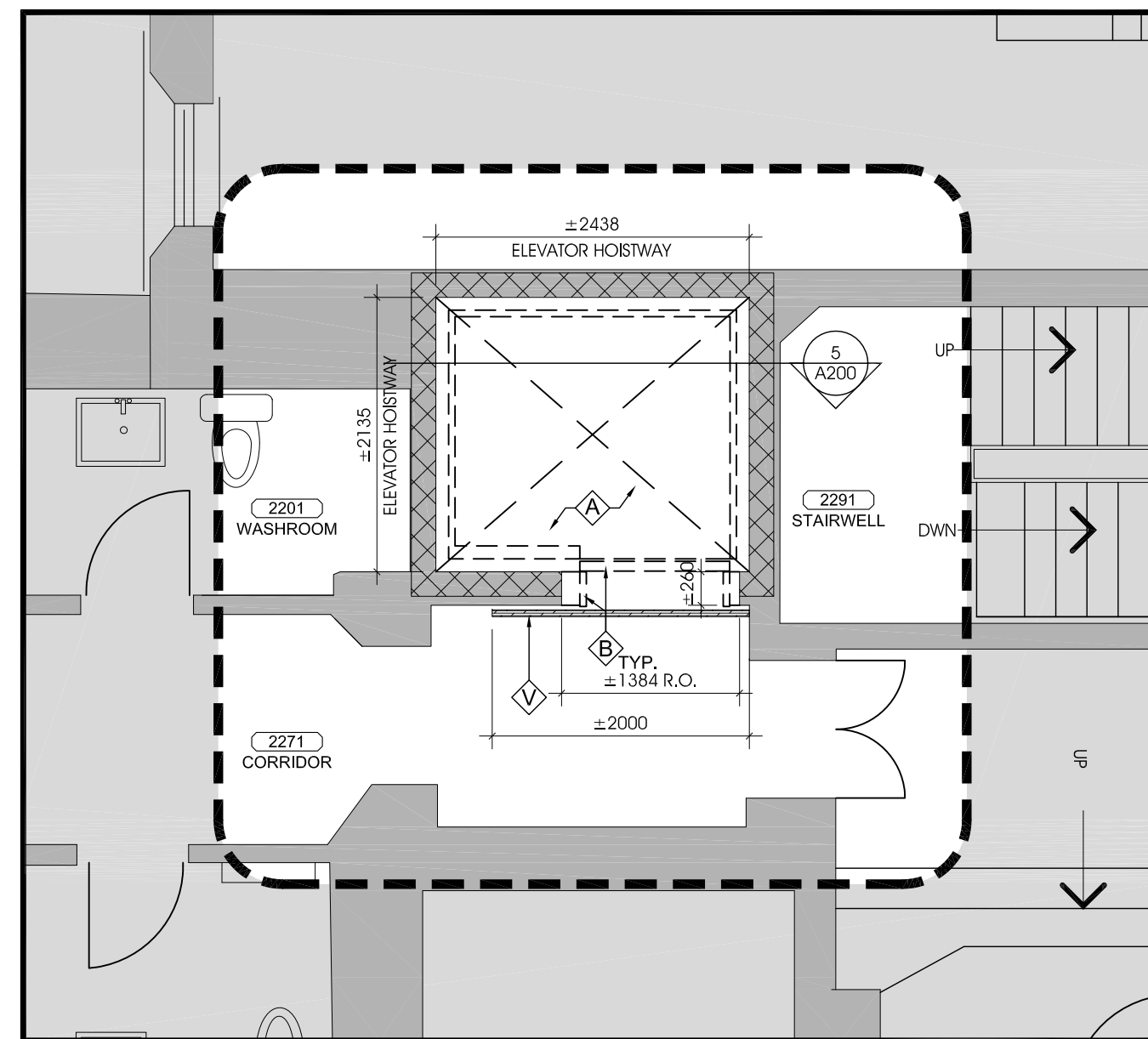
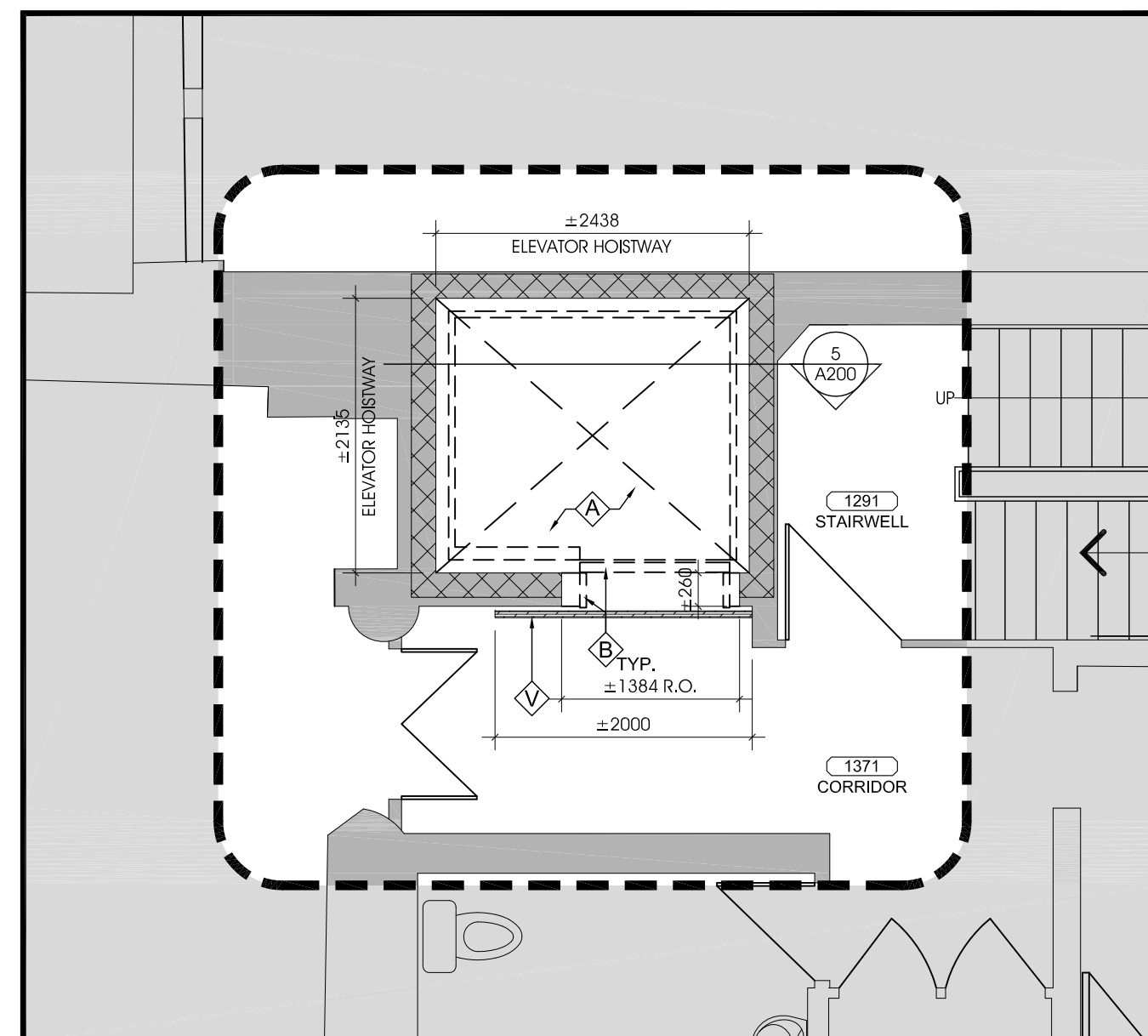


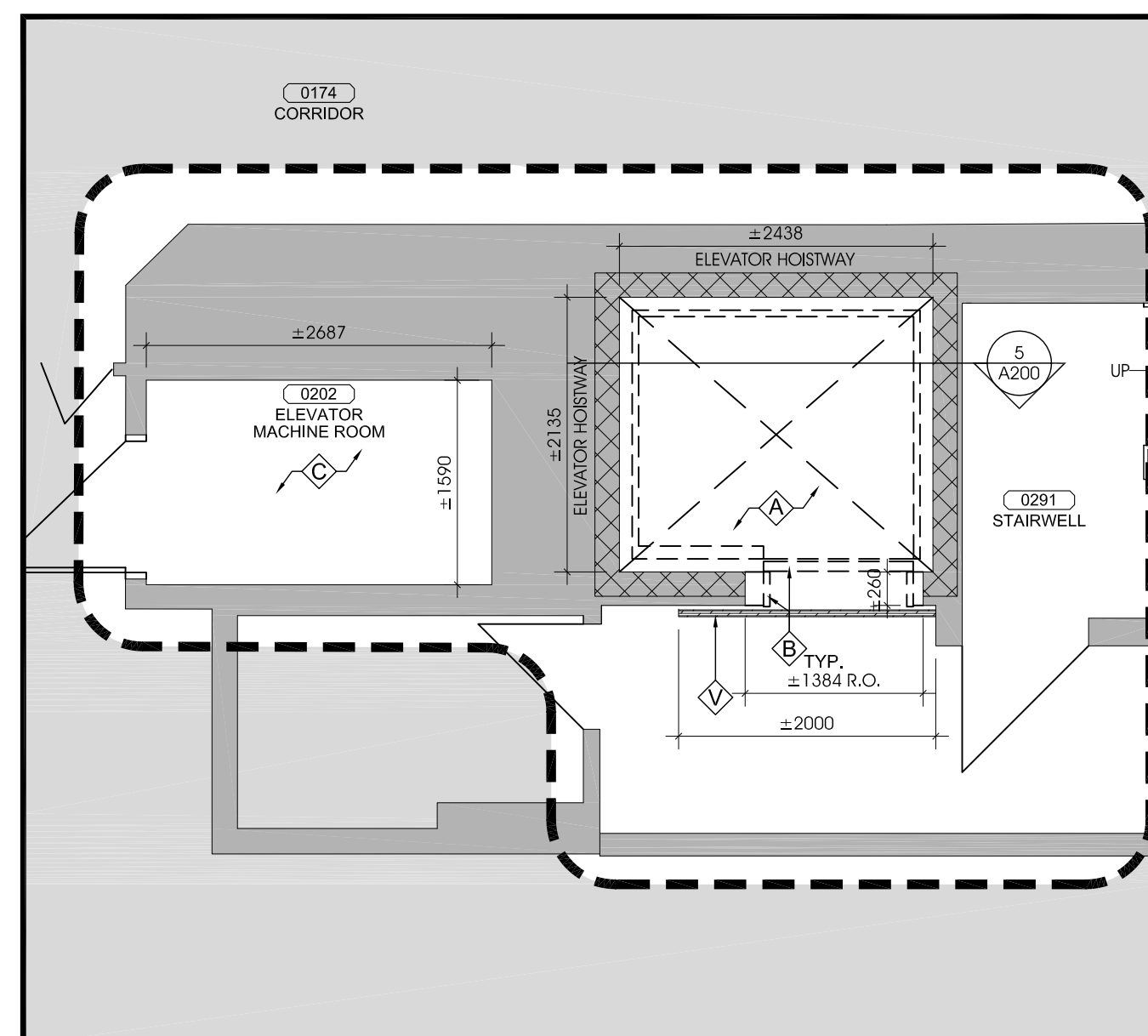
**5 EXISTING/DEMOLITION WALL SECTION**  
A200 1:30



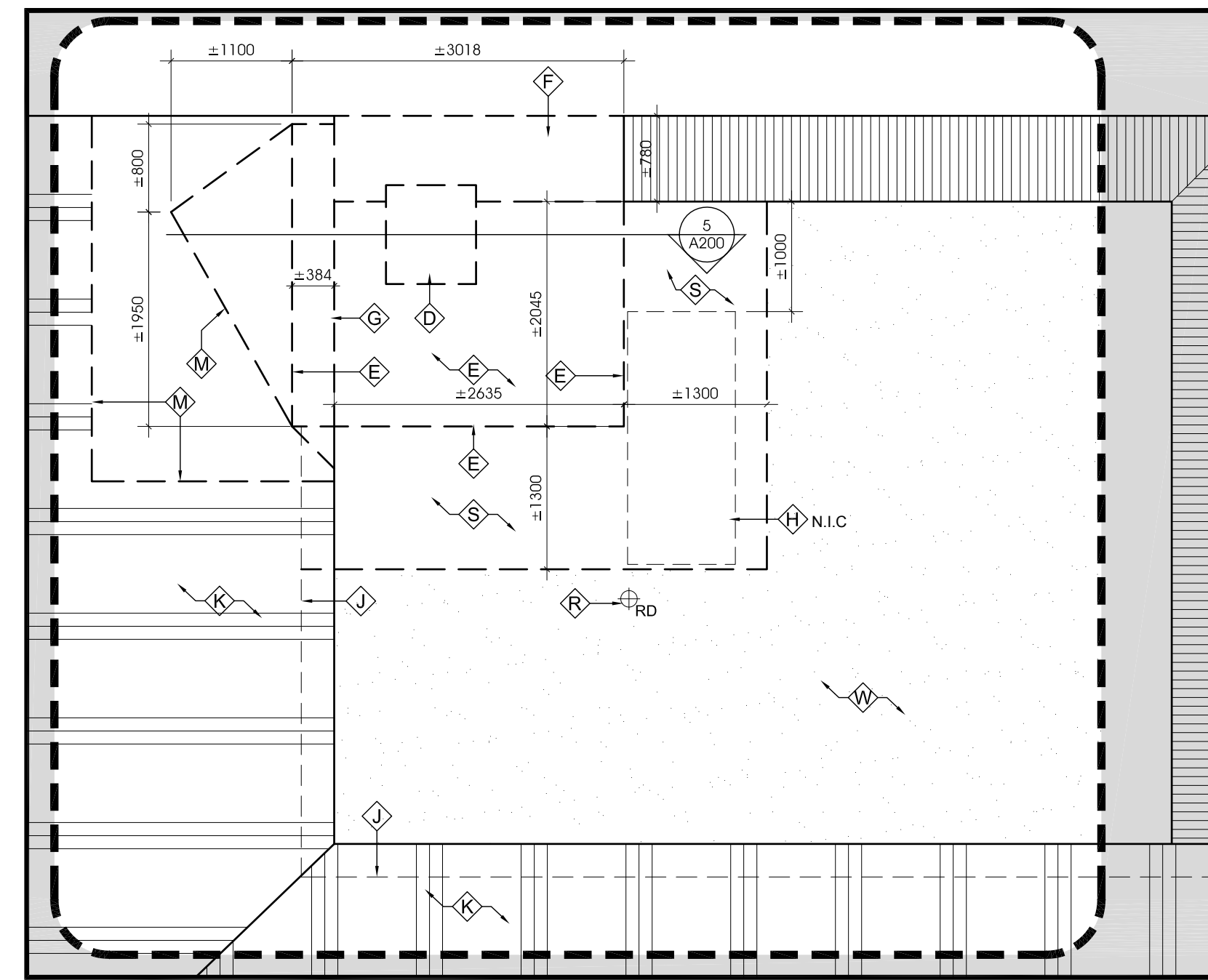
**3 SECOND LEVEL - EXISTING/DEMOLITION FLOOR PLAN**  
A200 1:50



**2 FIRST LEVEL - EXISTING/DEMOLITION FLOOR PLAN**  
A200 1:50



**1 BASEMENT LEVEL - EXISTING/DEMOLITION FLOOR PLAN**  
A200 1:50



**4 EXISTING/DEMOLITION ROOF PLAN**  
A200 1:50

**DRAWING GENERAL NOTES**

THE FOLLOWING GENERAL NOTES ARE APPLICABLE TO EACH TYPE OF DRAWING SERIES. REFER TO THE DRAWING ON THE COVER PAGE FOR RELEVANT DRAWINGS TO WHICH NOTES APPLY. THESE GENERAL NOTES AND LEGEND SYMBOLS ARE TYPICAL AND MAY NOT ALL APPLY TO THIS SPECIFIC PROJECT.

**A200 SERIES - EXISTING/DEMOLITION PLAN**

THIS DRAWING ILLUSTRATES ARCHITECTURAL DEMOLITION REQUIREMENTS INCLUDING BUT NOT LIMITED TO: PARTITIONS, FLOORS, ROOFS, FINISHES, DOORS, WINDOWS, FURNISHINGS, ETC. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL AND OTHER CONSULTANT DRAWINGS FOR DEMOLITION REQUIRED RELATED TO THESE DISCIPLINES (UNLESS OTHERWISE NOTED).

MAINTAIN INTEGRITY OF ITEMS WITH FIRE RESISTANCE RATING TO REMAIN, INCLUDING STRUCTURAL ELEMENTS, WALLS, SHAFTS, ETC.

GRAPHIC INFORMATION PROVIDED SHALL BE CONSIDERED APPROXIMATE. ALL DIMENSIONS GIVEN ARE IN METRIC. EXACT DIMENSIONS ARE TO BE CONFIRMED ON SITE AND COORDINATED WITH ANY NEW WORK OR CONSTRUCTION.

**A210 SERIES - NEW CONSTRUCTION PLAN**

THIS DRAWING ILLUSTRATES ARCHITECTURAL REQUIREMENTS INCLUDING: BUILDING ASSEMBLIES, DOORS, WINDOWS AND RELATED DIMENSIONING DATA; BUILDING MATERIALS AND FINISHES, AND BUILDING COMPONENTS. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWING AND SPECIFICATIONS.

ALL DIMENSIONS PROVIDED ARE TO GRIDLINES, FACE OF FRAMING, CONCRETE, CONCRETE BLOCK, BRICK OR MASONRY VENEER, UNLESS OTHERWISE NOTED, ALIGN FINISH FACE OF NEW CONSTRUCTION TO FINISH FACE OF EXISTING ASSEMBLIES, UNLESS NOTED OTHERWISE.

STRUCTURAL FRAMING, EXTERIOR METAL STUDS AND MISC. STEEL MEMBERS ARE SHOWN FOR INFORMATION ONLY. REFER TO STRUCTURAL DRAWINGS FOR COMPLETE REQUIREMENTS.

FOR INTERIOR AND EXTERIOR DOORS, FRAMES AND GLAZED FRAMES, REFER TO DOOR AND GLAZED FRAME SCHEDULE.

ALL CHANGES IN FLOORING FINISHES OR MATERIALS SHALL OCCUR BELOW DOORS UNLESS OTHERWISE NOTED.

ALL CHANGES IN PAINT COLOURS NOTED HEREIN SHALL OCCUR AT APPROPRIATE TRANSITION POINTS SUCH AS, CORNERS OF PARTITIONS, REVEAL DETAILS, FLOOR / WALL / CEILING JUNCTIONS OR OTHER CHANGES IN BUILDING LINES, UNLESS OTHERWISE NOTED.

REFER TO MECHANICAL/ELECTRICAL DRAWINGS FOR SERVICES TO EQUIPMENT AND SPECIALTIES.

GRID LINES ON EXISTING BUILDINGS ARE SHOWN FOR COORDINATION PURPOSES ONLY; EXISTING DRAWINGS REPRESENT RECORD DOCUMENTATION OF EXISTING BUILDING CONDITIONS.

**DRAWING LEGEND**

(TYP.)	ROOM MARKER
---	ROOM NUMBER
---	ROOM NAME
---	INDICATES SCOPE OF WORK
---	DETAIL SECTION
---	DETAIL NUMBER
---	PAGE REFERENCE
---	DEMOLITION NOTE MARKER
A	EXISTING WALL TO REMAIN, NO DEMOLITION TO EXISTING WALL COMPOSITION REQUIRED, CONTRACTOR TO REPAIR ANY DAMAGE DONE TO EXISTING WALL DURING DEMOLITION.
---	EXISTING PARTITION AND ROOFING TO BE REMOVED
---	EXISTING DOOR TO REMAIN

LEGEND SYMBOLS ARE TYPICAL AND MAY NOT ALL APPLY TO THIS SPECIFIC PROJECT.

**DRAWING NOTES**

- A REMOVE EXISTING ELEVATOR CAB AND RELATED EQUIPMENT & HARDWARE. REMOVE EXISTING HYDRAULIC JACK, TRACK, BUFFER AND LADDER. PATCH ALL PENETRATIONS OR DAMAGE TO THE CONCRETE BLOCK AND CONCRETE WITHIN THE HOISTWAY TO MAINTAIN FIRE RESISTANCE RATING. THOROUGHLY CLEAN HOISTWAY AND PIT.
- B REMOVE EXISTING ELEVATOR DOOR, FRAME AND ELEVATOR CALL HARDWARE. REMOVE EXISTING WALL SECTION TO ACCOMMODATE NEW ROUGH OPENING FOR DOORS, COORDINATE WITH ELEVATOR MANUFACTURER REQUIREMENTS.
- C REMOVE EXISTING ELEVATOR CONTROLLER, HYDRAULIC TANKS AND ELEVATOR EQUIPMENT. PATCH PENETRATIONS IN CONCRETE BLOCK WALL, REINSTATE FIRE SEPARATION.
- D REMOVE EXISTING HOISTWAY PIPE ENCLOSURE.
- E REMOVE EXISTING INVERTED ROOF ASSEMBLY, DECKING AND STRUCTURE TO THE EXTENTS SHOWN. PATCH AND MAKE GOOD AT THE ELEVATOR HOISTWAY TO ACCEPT NEW CONSTRUCTION. COORDINATE WITH STRUCTURAL. REMOVE EXISTING PARAPET FLASHING TO THE EXTENTS SHOWN.
- F REMOVE EXISTING SLOPED ROOF OVERHANG AS REQUIRED TO ACCEPT NEW HOISTWAY EXTENSION. PROVIDE TEMPORARY SUPPORT. REFER TO STRUCTURAL. N.I.C.
- G
- H
- J EXISTING WALL FACE BELOW EAVE OVERHANG, TO REMAIN.
- K EXISTING SLOPED COPPER ROOF TO REMAIN.
- M REMOVE SLOPED COPPER ROOF AS REQUIRED FOR NEW FLASHING CRICKET.
- N REMOVE EXISTING ELEVATOR PIT LADDER. PATCH AND MAKE GOOD AT CONCRETE BLOCK WALL.
- P EXISTING CONCRETE AND CONCRETE BLOCK HOISTWAY WALLS TO REMAIN.
- Q REMOVE EXISTING ELEVATOR BUFFER.
- R EXISTING ROOF DRAIN TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION.
- S REMOVE EXISTING INVERTED ROOF ASSEMBLY TO T/O DECKING TO THE EXTENTS SHOWN.
- T EXISTING BEAM EMBEDDED IN CMU WALL TO REMAIN. REFER TO MECHANICAL/ELECTRICAL FOR RESPECTIVE REMOVALS.
- V PROVIDE DUST-PROOF TEMPORARY PLYWOOD HOARDING PANEL TO 100mm BELOW CEILING HEIGHT TO PROTECT OPENING DURING THE WORK.
- W EXISTING ROOF TO REMAIN.
- X EXISTING STONE WALL, TO REMAIN.

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no.	description	date
3	ISSUED FOR TENDER	28/04/2014
2	99% CLIENT REVIEW	21/03/2014
1	66% CLIENT REVIEW	07/03/2014

project  
projet

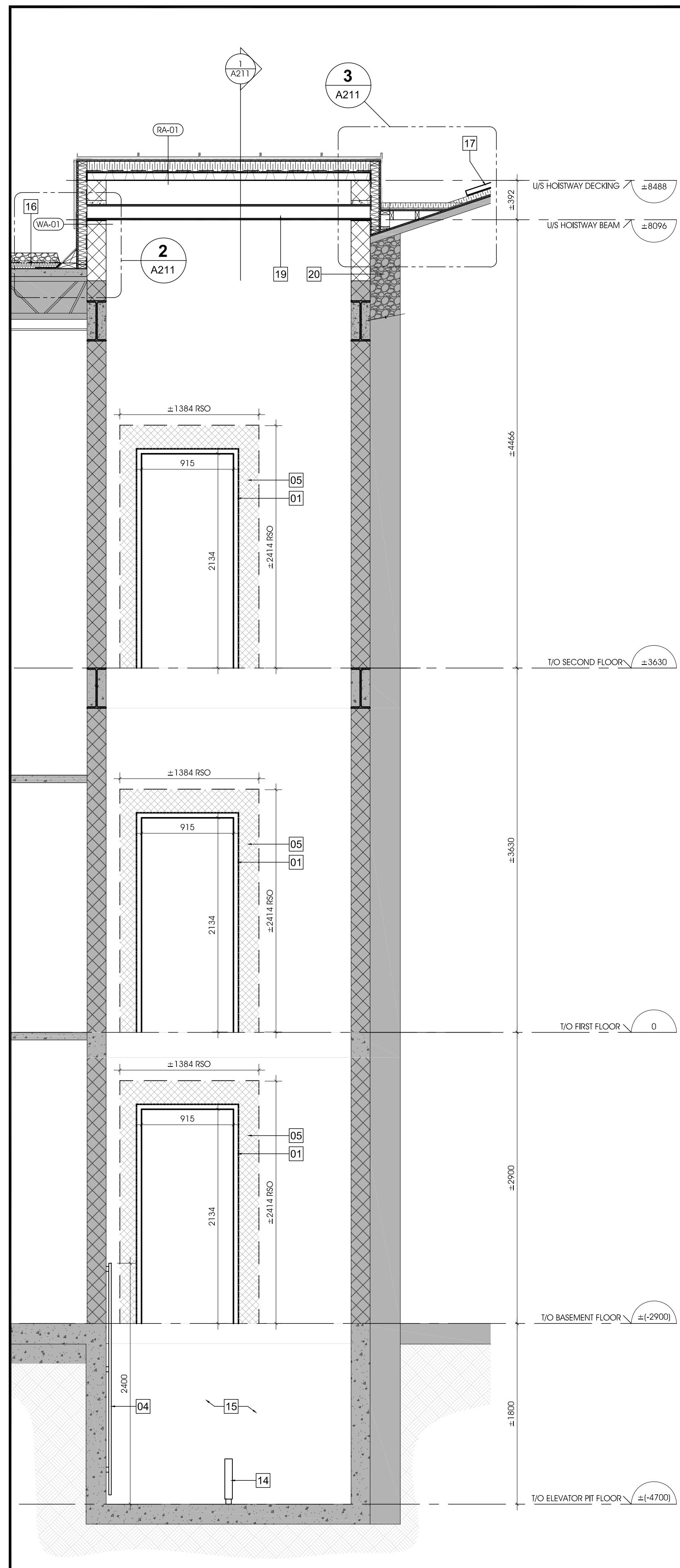
**ELEVATOR REPLACEMENT**

drawing  
dessin  
**EXISTING/DEMOLITION FLOOR PLANS & ROOF PLAN**

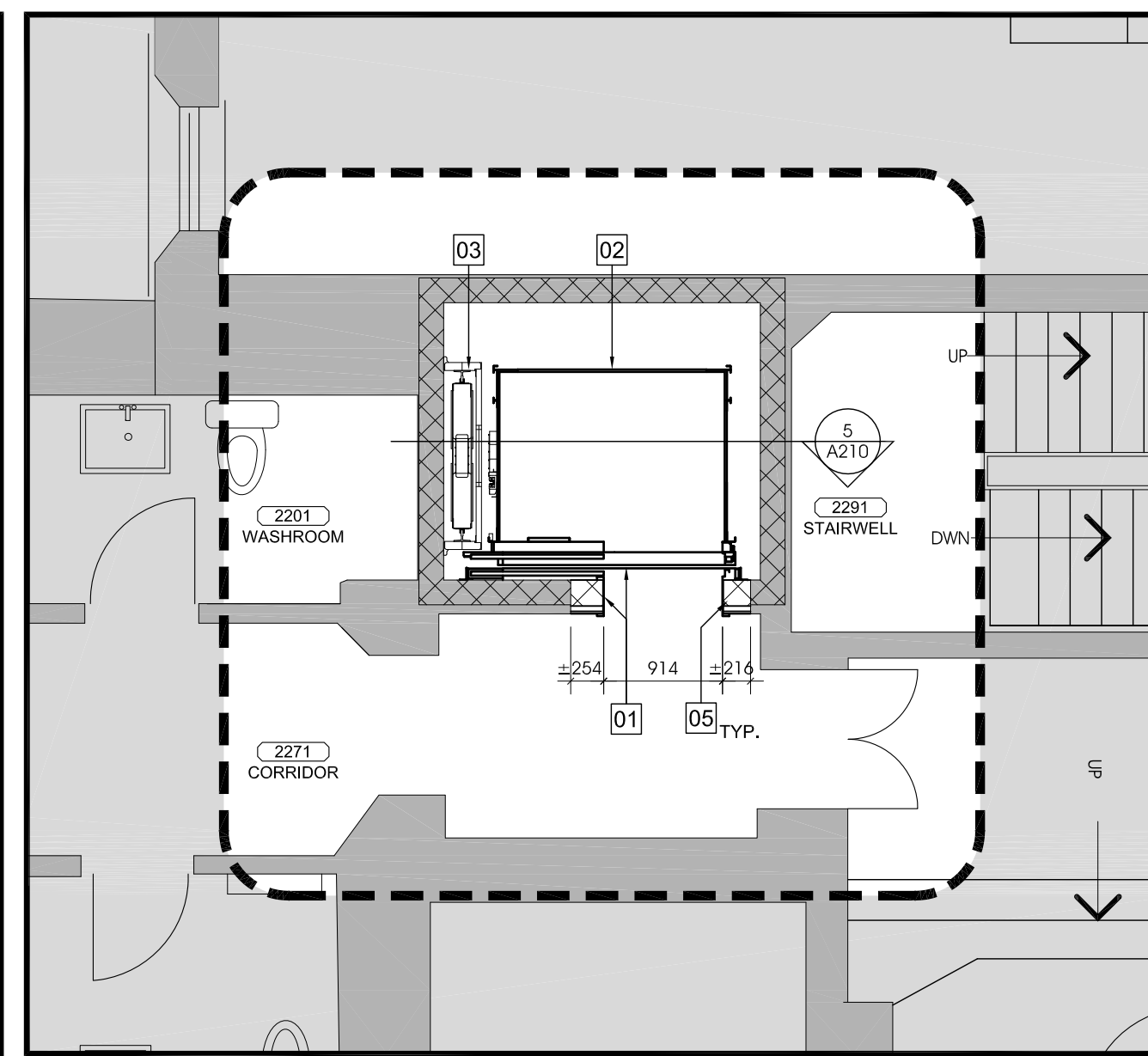
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approuvé par DR  
designed by  
conçu par DT/DR  
drawn by  
dessiné par DT/LB

date 28/04/2014 scale  
échelle INDICATED

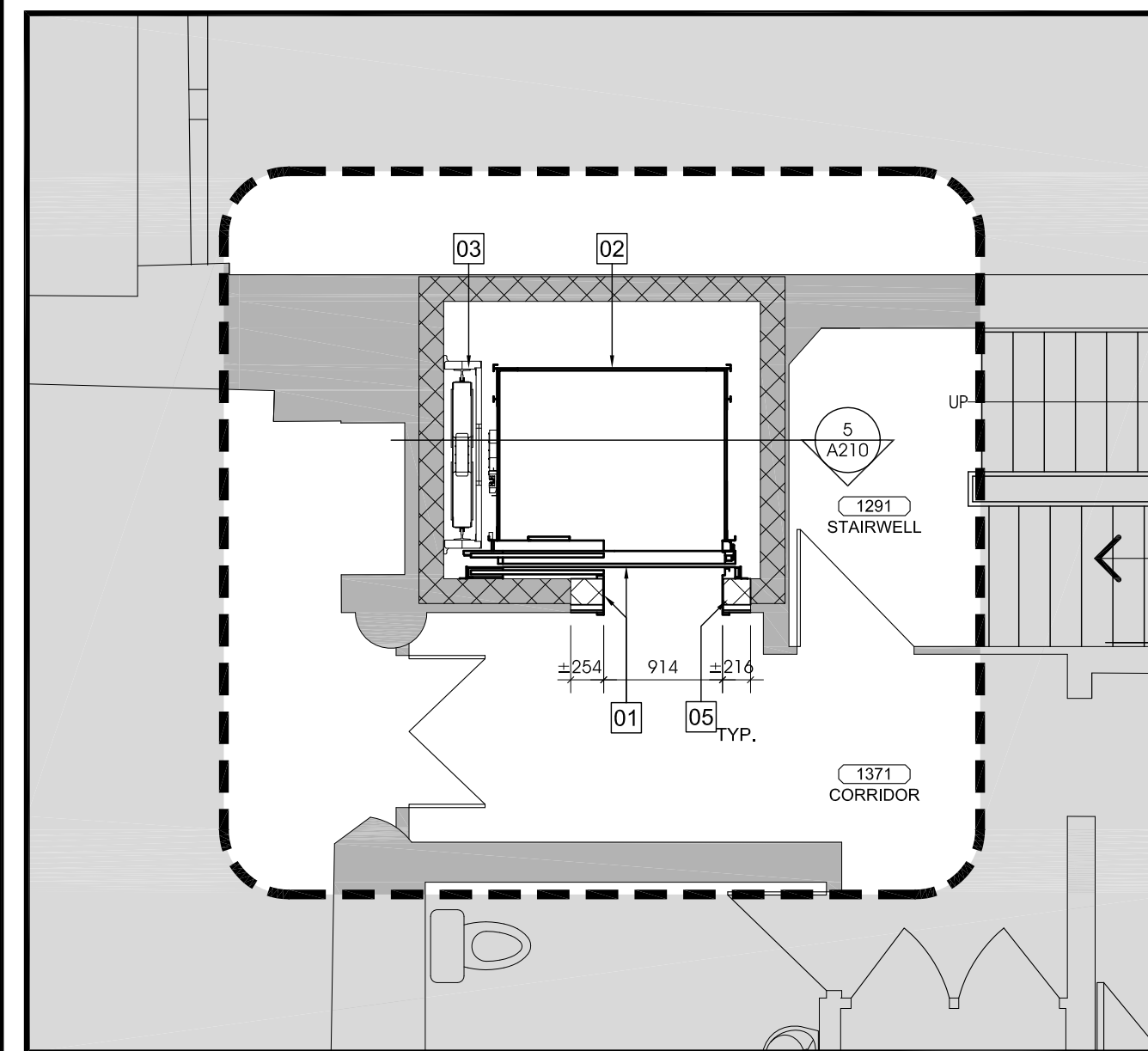
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DC 1110-21-10 A200



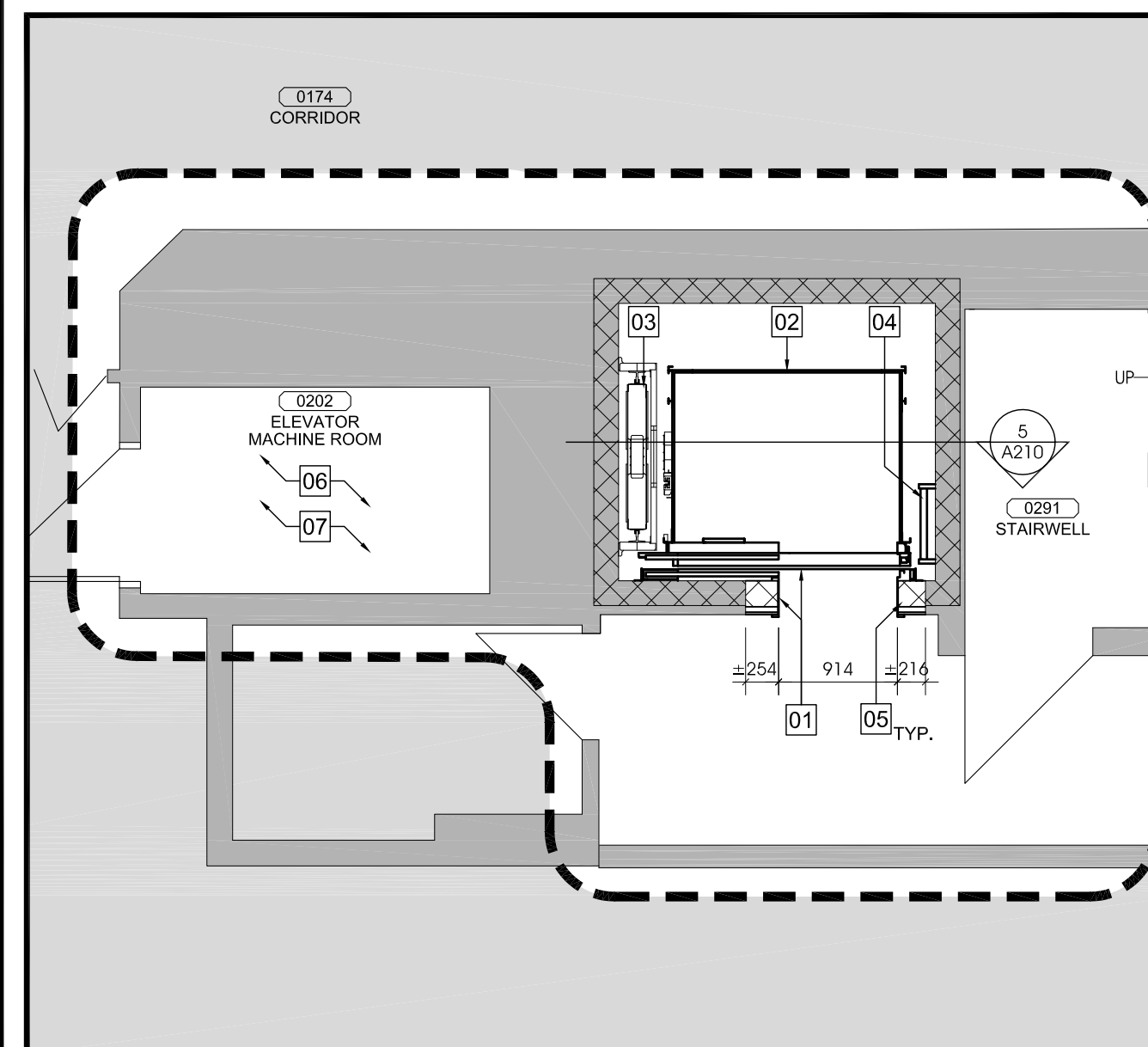
**5 HOISTWAY BUILDING SECTION**  
A210 1:30



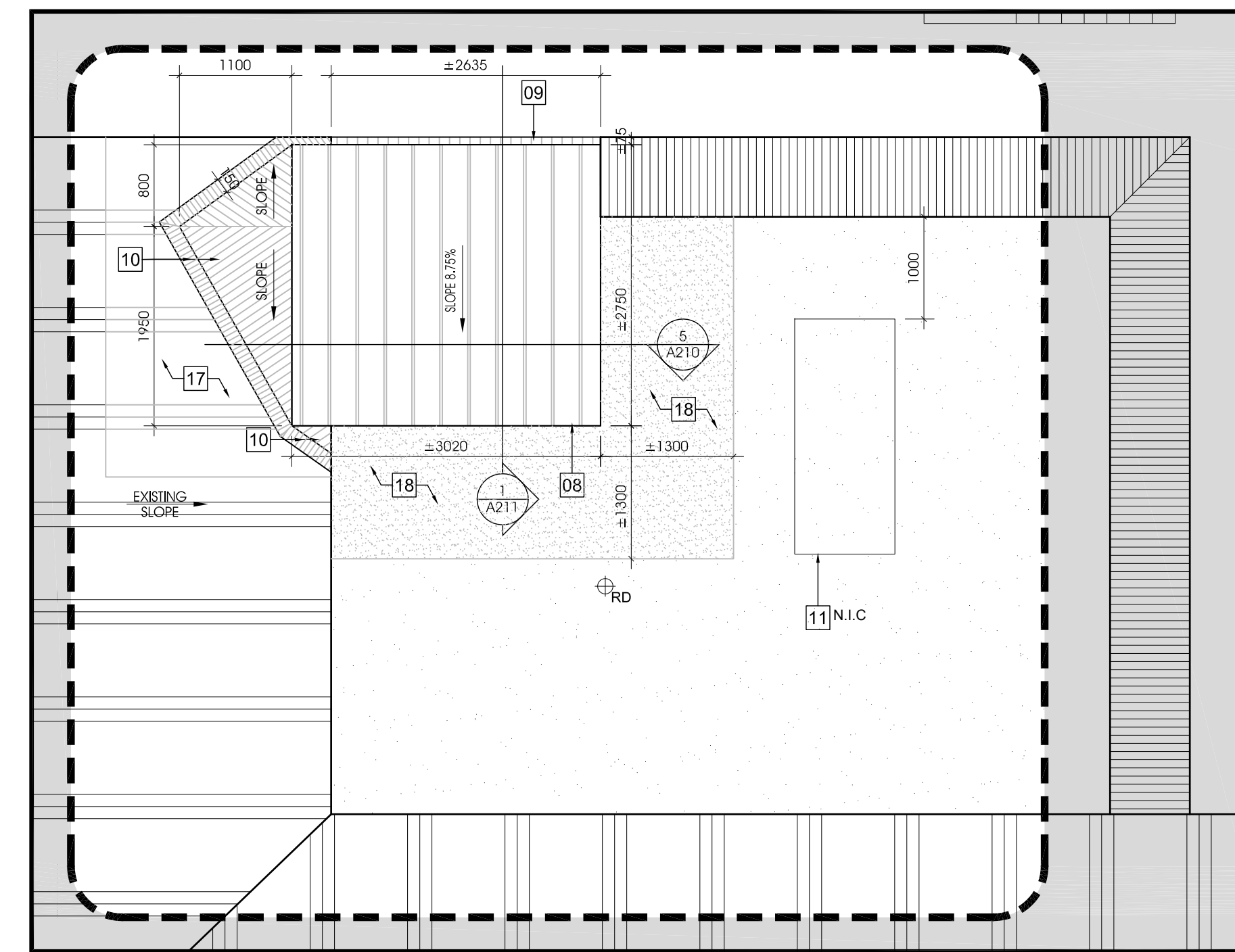
**3 SECOND LEVEL - NEW CONSTRUCTION FLOOR PLAN**  
A210 1:50



**2 FIRST LEVEL - NEW CONSTRUCTION FLOOR PLAN**  
A210 1:50



**1 BASEMENT LEVEL - NEW CONSTRUCTION FLOOR PLAN**  
A210 1:50



**4 NEW CONSTRUCTION ROOF PLAN**  
A210 1:50

**CONSTRUCTION ASSEMBLIES**

**WA-01 HOISTWAY EXTERIOR WALL ASSEMBLY**

COPPER CLADDING - TO MATCH EXISTING FINISH AND PROFILE.  
BITUMINOUS ELASTOMERIC SELF ADHERED MEMBRANE  
15mm EXTERIOR SHEATHING (GB-01)  
89mm BATT INSULATION  
89mm PRESSURE TREATED STUDS @400mm O/C  
6mil. VAPOUR BARRIER  
150mm CONCRETE MASONRY UNIT, REFER TO STRUCTURAL.

**RA-01 - HOISTWAY ROOF**

COPPER FLASHING - TO MATCH EXISTING  
BITUMINOUS ELASTOMERIC SELF ADHERED MEMBRANE  
16mm EXTERIOR SHEATHING  
100mm RIGID INSULATION MECHANICALLY FASTENED.  
6mil. VAPOUR BARRIER  
13mm EXTERIOR SHEATHING (GB-01)  
70mm METAL DECKING FASTENED, REFER TO STRUCTURAL.

**DRAWING LEGEND**

- (TYPE) ROOM MARKER
- TECHNICAL ROOM NUMBER
- ROOM NAME
- INDICATES SCOPE OF WORK
- DETAIL SECTION
- DETAIL NUMBER
- PAGE REFERENCE
- NOTE MARKER
- EXISTING WALL TO REMAIN, NO DEMOLITION TO EXISTING WALL COMPOSITION REQUIRED, CONTRACTOR TO REPAIR ANY DAMAGE DONE TO EXISTING WALL DURING DEMOLITION.
- EXISTING DOOR TO REMAIN

LEGEND SYMBOLS ARE TYPICAL AND MAY NOT ALL APPLY TO THIS SPECIFIC PROJECT.

**DRAWING NOTES**

- 01 PROVIDE NEW ELEVATOR DOOR AND FRAME, COORDINATE WITH ELEVATOR MANUFACTURER.
- 02 PROVIDE ELEVATOR CAB, REFER TO SPECIFICATIONS AND COORDINATE WITH ELEVATOR MANUFACTURER.
- 03 PROVIDE ELEVATOR COUNTERWEIGHT AND TRACK, MECHANICALLY FASTENED TO CONCRETE/BLOCK WALL, COORDINATE WITH ELEVATOR MANUFACTURER.
- 04 PROVIDE NEW STEEL LADDER TO BOTTOM OF ELEVATOR PIT FROM BASEMENT LEVEL. MECHANICALLY FASTEN TO THE HOISTWAY CONCRETE AND BLOCK WALL. COORDINATE WITH ELEVATOR MANUFACTURER.
- 05 CONCRETE BLOCK INFILL TO SUIT ELEVATOR DOOR FRAME REQUIREMENTS, COORDINATE WITH ELEVATOR MANUFACTURER. FUR OUT WALL IN HALLWAY TO MATCH EXISTING FINISHES.
- 06 PATCH AND MAKE GOOD AT ANY DAMAGED CONCRETE/BLOCK WALL. REINSTATE FIRE STOPPING AT WALL PENETRATIONS. PROVIDE NEW PAINT FINISH.
- 07 PROVIDE ELEVATOR CONTROL SYSTEMS. COORDINATE WITH ELEVATOR MANUFACTURER AND ELECTRICAL.
- 08 NEW HOISTWAY ROOFTOP EXTENSION, REFER TO DETAIL SECTIONS.
- 09 PROVIDE NEW COPPER FLASHING, TO MATCH EXISTING.
- 10 PROVIDE NEW SLOPED COPPER FLASHING SADDLE. TIE INTO EXISTING ROOF. PROVIDE FLASHED VALLEY. LAP AND SEAL EXISTING ROOF MEMBRANE C/W ICE SHIELD.
- 11 N.I.C.
- 12 RESERVED.
- 13 RESERVED.
- 14 PROVIDE FLOOR MOUNTED ELEVATOR BUFFER, REFER TO ELEVATOR MANUFACTURER.
- 15 PROVIDE COMPLETE CRYSTALLINE WATERPROOFING SYSTEM ON ALL CONCRETE SURFACES WITHIN THE ELEVATOR PIT.
- 16 EXISTING INVERTED ROOF ASSEMBLY AND STRUCTURE TO REMAIN. LAP AND SEAL EXISTING MEMBRANE WITH NEW MEMBRANE.
- 17 EXISTING SLOPED COPPER ROOF ASSEMBLY AND STRUCTURE TO REMAIN. MODIFY AS REQUIRED TO LAP AND SEAL EXISTING MEMBRANE WITH NEW MEMBRANE. PROVIDE ICE SHIELD ALONG THE VALLEY.
- 18 PROVIDE NEW INVERTED ROOF ASSEMBLY TO MATCH AND REINSTATE EXISTING ROOF. TO THE EXTENTS SHOWN.
- 19 PROVIDE NEW STEEL HOISTWAY BEAM, REFER TO STRUCTURAL.
- 20 EXISTING STONE WALL TO REMAIN.

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3	ISSUED FOR TENDER	28/04/2014
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1	66% CLIENT REVIEW	07/03/2014

project  
projet

**ELEVATOR REPLACEMENT**

**NEW CONSTRUCTION  
FLOOR PLANS & ROOF PLAN  
ELEVATOR HOISTWAY  
SECTION**

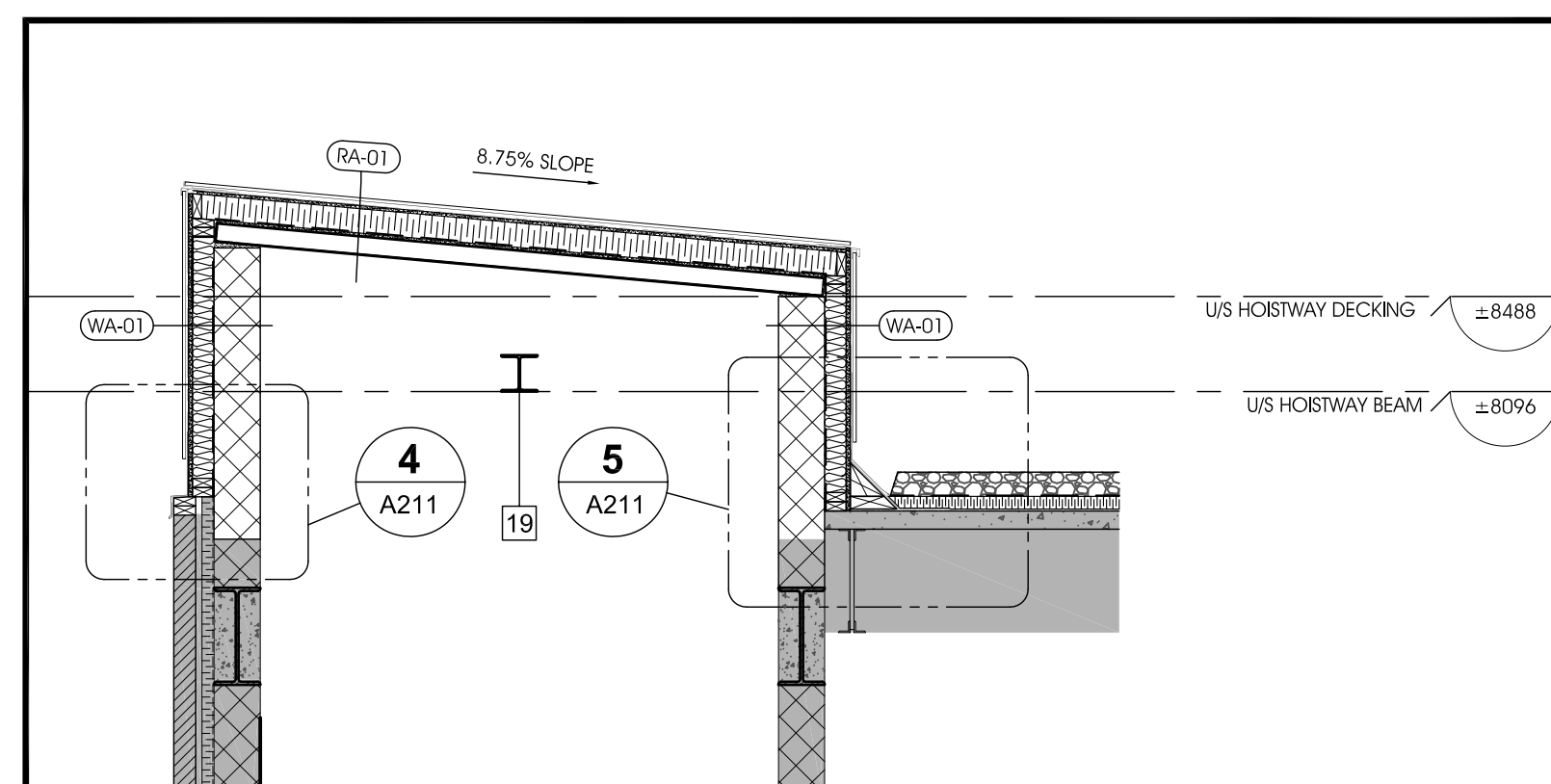
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approuvé par DR

designed by  
conçu par DT/DOR

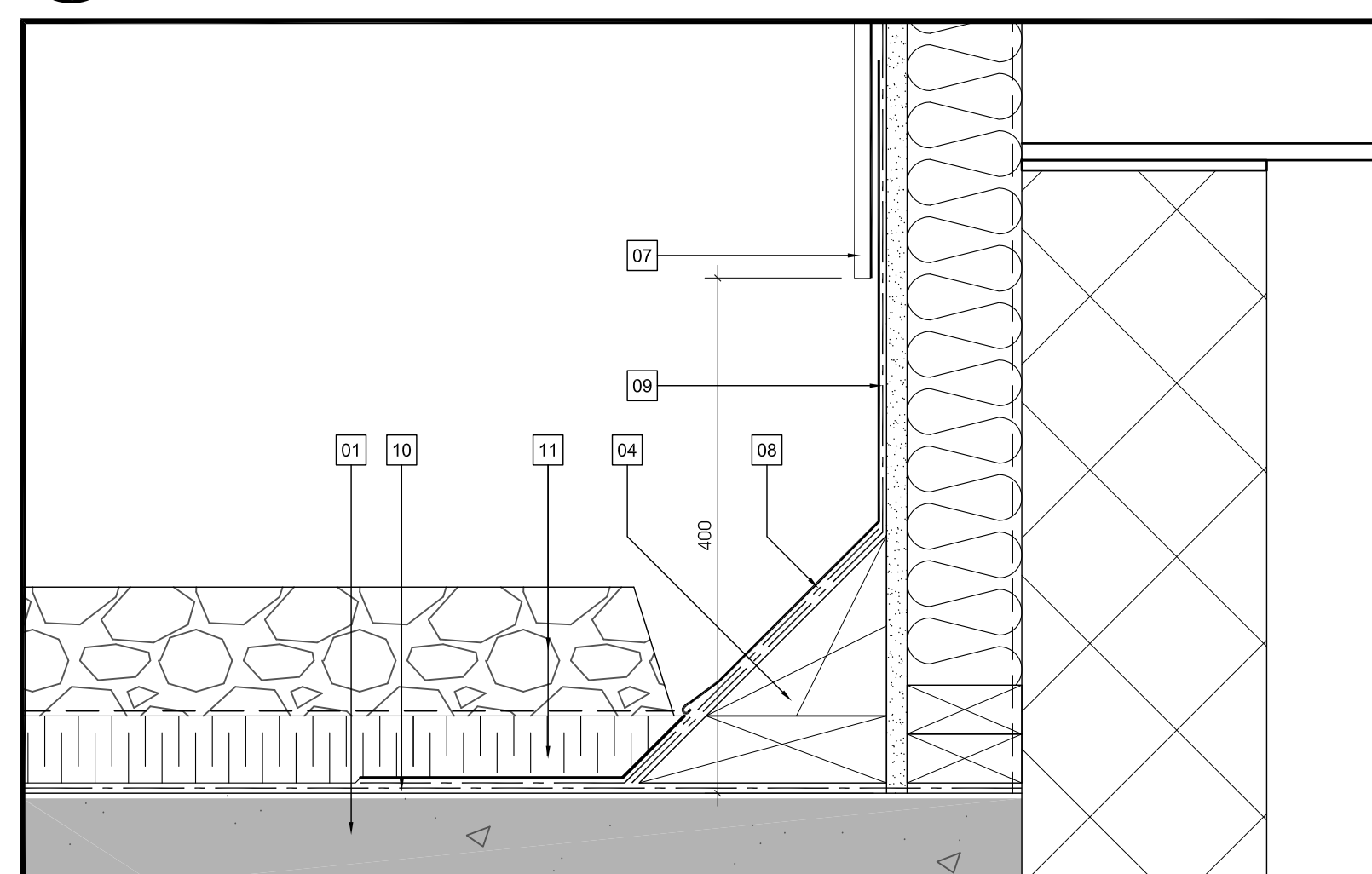
drawn by  
dessiné par DT/LB

date 28/04/2014 scale  
échelle INDICATED

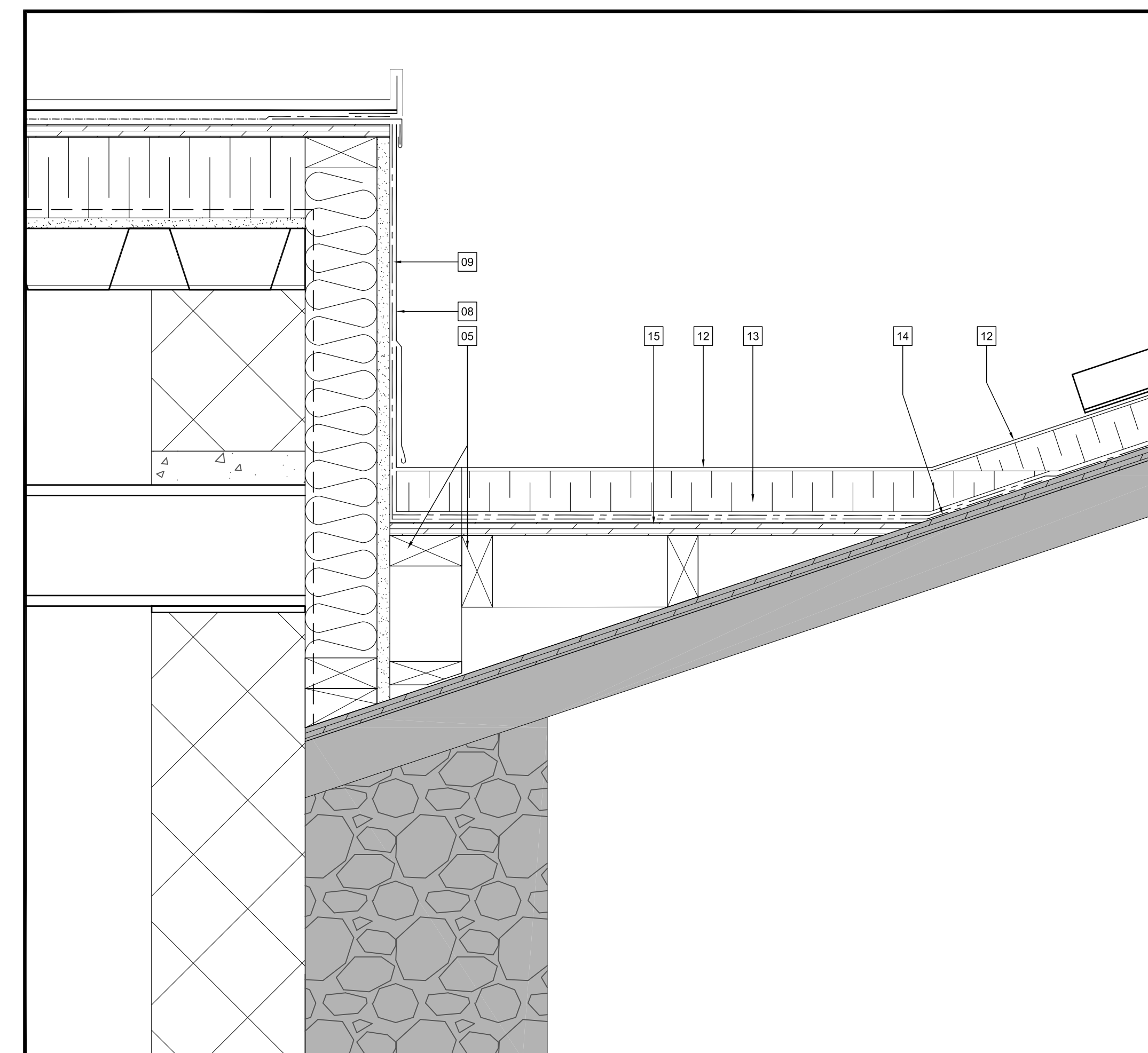
NCC project no. sheet no.  
no. du projet de la CCN no. de la feuille  
DC 1110-21-10 A210



**1 TRANSVERSAL HOISTWAY ROOFING SECTION**  
A211 1:30



**2 TYPICAL WALL DETAIL**  
A211 1:5



**3 TYPICAL SADDLE @ SLOPED ROOF DETAIL**  
A211 1:5

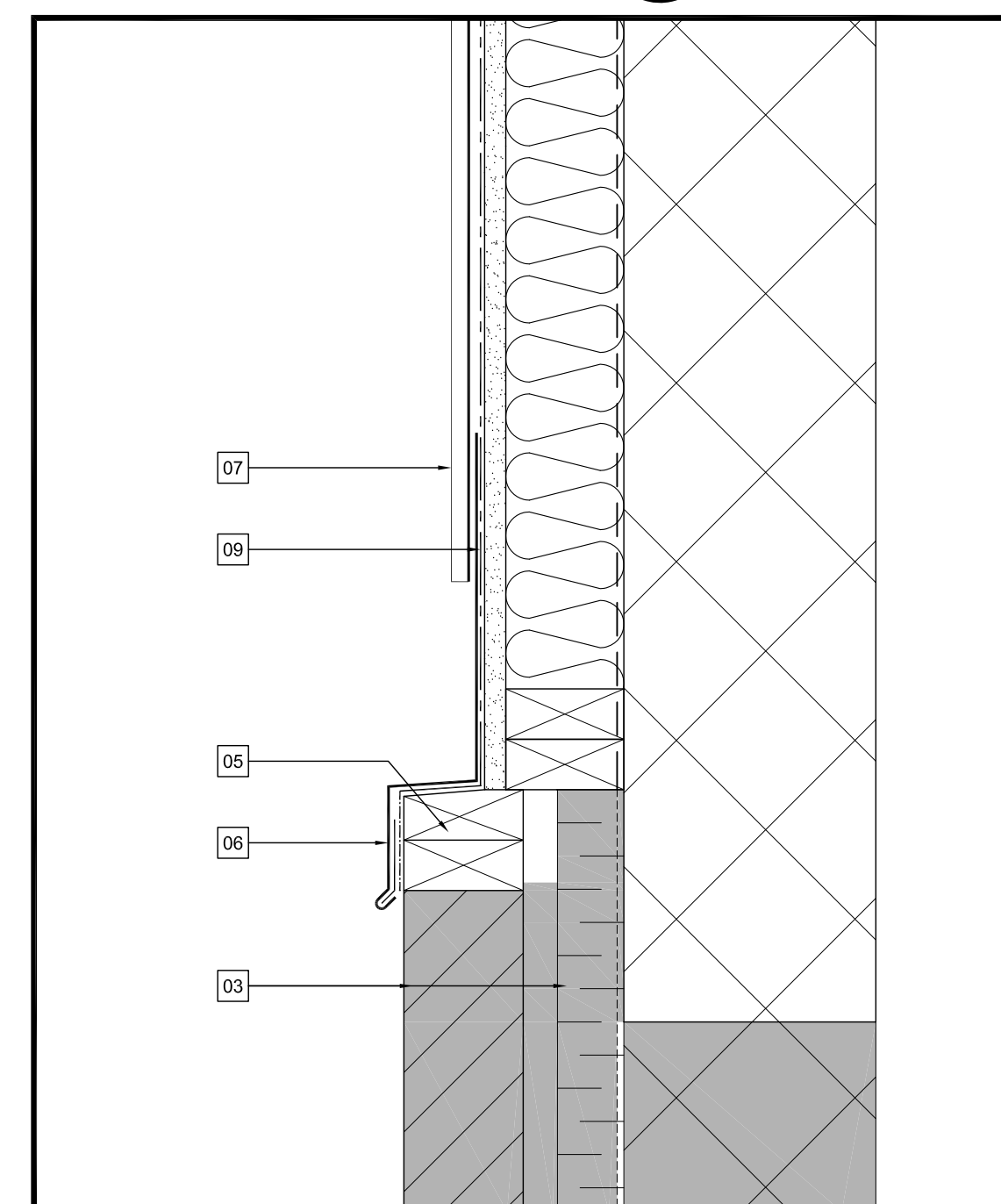
**DRAWING LEGEND**

- (175E.1) ROOM MARKER
- TECHNICAL ROOM NUMBER
- ROOM NAME
- INDICATES SCOPE OF WORK
- NOTE MARKER
- EXISTING WALL TO REMAIN. NO DEMOLITION TO EXISTING WALL COMPOSITION REQUIRED. CONTRACTOR TO REPAIR ANY DAMAGE DONE TO EXISTING WALL DURING DEMOLITION.

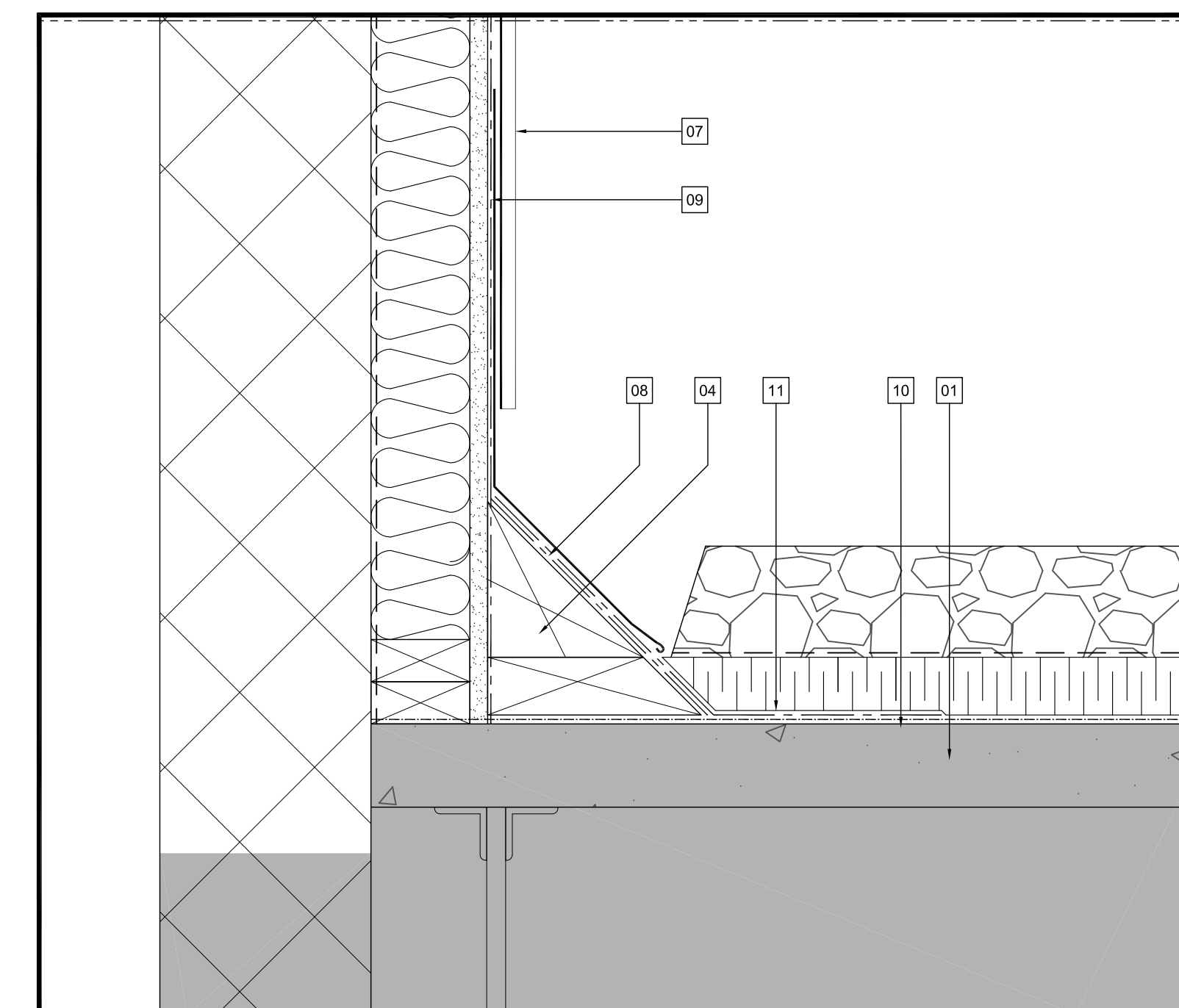
LEGEND SYMBOLS ARE TYPICAL AND MAY NOT ALL APPLY TO THIS SPECIFIC PROJECT.

**DRAWING NOTES**

- 01 EXISTING INVERTED ROOF ASSEMBLY AND STRUCTURE TO REMAIN. LAP AND SEAL EXISTING MEMBRANE WITH NEW MEMBRANE.
- 02 REINSTATE SLOPED COPPER ROOF FINISH. STRUCTURE TO REMAIN. LAP AND SEAL EXISTING MEMBRANE WITH NEW MEMBRANE.
- 03 EXISTING WALL ASSEMBLY. TO REMAIN.
- 04 PROVIDE CANT STRIP. TYPICAL.
- 05 PROVIDE PRESSURE TREATED DIMENSIONAL WOOD BLOCKING, TYPICAL.
- 06 PROVIDE COPPER FLASHING CW FLASHING CLIPS, TO MATCH EXISTING.
- 07 COPPER CLADDING, MECHANICALLY FASTENED, FINISH AND PROFILE TO MATCH EXISTING.
- 08 PROVIDE COPPER FLASHING, MECHANICALLY FASTENED AND TO MATCH EXISTING.
- 09 PROVIDE BITUMINOUS ELASTOMERIC MEMBRANE, LAP AND SEAL 400 mm MIN.
- 10 PROVIDE AND REINSTATE INVERTED ROOF MEMBRANE, LAP AND SEAL 400 mm MIN.
- 11 REINSTATE INVERTED ROOF ASSEMBLY AS REQUIRED. REINSTATE FILTER FABRIC, 50 mm RIGID INSULATION AND BALLAST.
- 12 PROVIDE COPPER VALLEY FLASHING, MECHANICALLY FASTENED.
- 13 PROVIDE 50 mm RIGID INSULATION.
- 14 PROVIDE ICE SHIELD UP 914mm ALONG VALLEY. PROVIDE ROOF MEMBRANE, LAP AND SEAL TO EXISTING SLOPED ROOF MEMBRANE 400 mm MIN.
- 15 PROVIDE SLOPED 19 mm EXTERIOR GRADE PLYWOOD FOR SADDLE ASSEMBLY.
- 16 PROVIDE NEW STEEL HOISTWAY BEAM, REFER TO STRUCTURAL.



**4 TYP. PARAPET @ NEW WALL DETAIL**  
A211 1:5



**5 TYP. INVERTED ROOF @ NEW WALL DETAIL**  
A211 1:5

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no.	description	date
3	ISSUED FOR TENDER	28/04/2014
2	99% CLIENT REVIEW	21/03/2014
1	66% CLIENT REVIEW	07/03/2014

project  
projet

**ELEVATOR REPLACEMENT**

drawing  
dessin

**NEW CONSTRUCTION  
ROOFING DETAILS**

approved by  
approuvé par DR

designed by  
conçu par DT/DR

drawn by  
dessiné par DT/LB

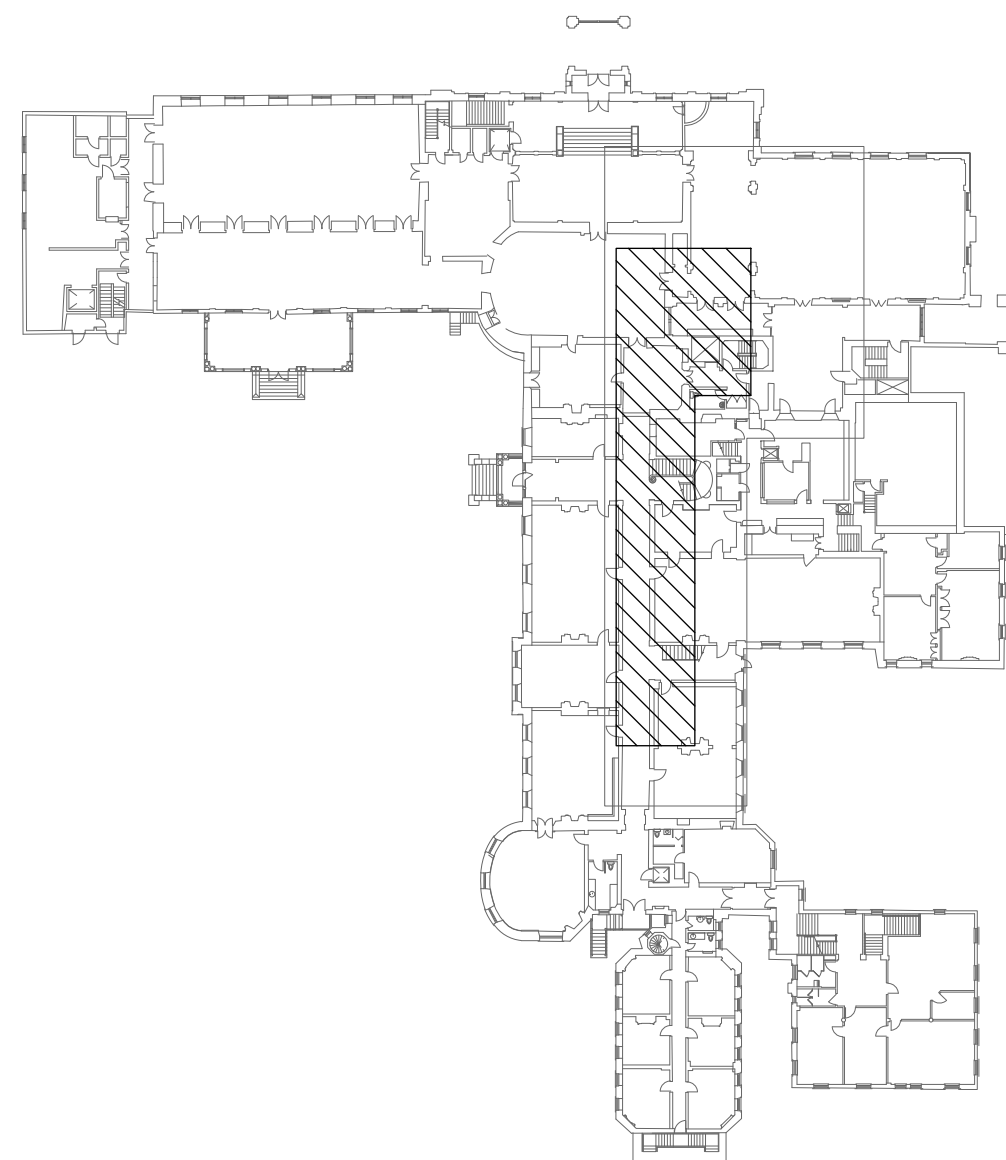
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échelle INDICATED

NCC project no. sheet no.  
no. du projet de la CCN no. de la feuille

DC 1110-21-10 A211



# ELEVATOR REPLACEMENT / REMPLACEMENT D'ASCENSEUR



KEY PLAN  
PLAN CLÉ  
SCALE/ECHELLE = NONE  
1  
ME-000

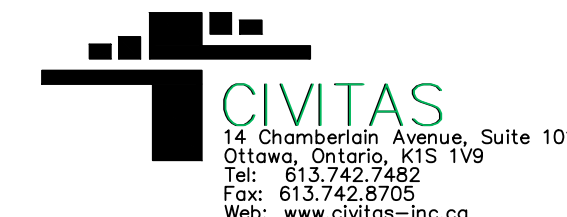
MECHANICAL DRAWINGS LIST: / LISTE DES DESSINS MÉCANIQUES:	
ME-000	TITLE PAGE, KEY PLAN AND LEGEND / PAGE DE PRÉSENTATION, PLAN CLÉ ET LÉGENDE
M-100	MECHANICAL EXISTING AND MODIFIED PLAN - MULTI-DISCIPLINES / MÉCANIQUE - PLAN EXISTANT ET MODIFIÉ - MULTI-DISCIPLINES
ELECTRICAL DRAWINGS LIST: / LISTE DES DESSINS ÉLECTRIQUES:	
E-100	ELECTRICAL - EXISTING AND MODIFIED PLAN - MULTI-DISCIPLINES / ÉLECTRIQUE - PLAN EXISTANT ET MODIFIÉ - MULTI-DISCIPLINES
E-110	ELECTRICAL DETAILS / DÉTAILS ÉLECTRIQUE

Real Estate Management, Design and Construction Branch  
Direction de la gestion de l'immobilier, design et construction

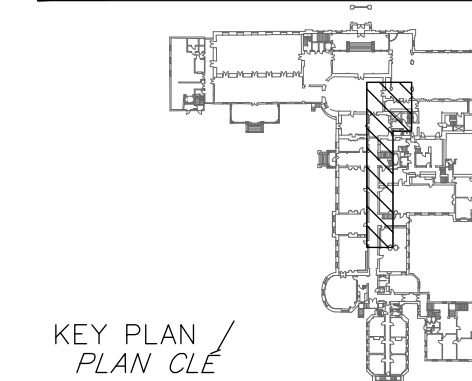
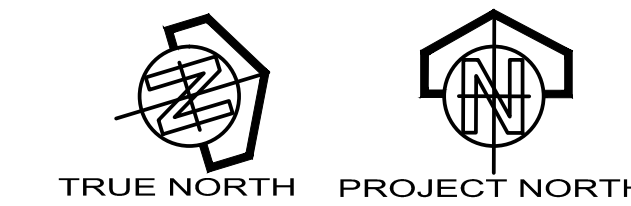
Design and Construction Division  
Division design et construction

director - Claude Robert - directeur

consultant  
expert-conseil



consulting engineers  
Ingénieur consultant



KEY PLAN  
PLAN CLÉ

THIS DRAWING SHALL NOT BE USED FOR  
CONSTRUCTION PURPOSES. /  
CE PLAN NE DOIT PAS ÊTRE UTILISÉ À  
DES FINS DE CONSTRUCTION.

no.	description	date
4	RE-ISSUED FOR TENDER	14-04-28
3	FOR TENDER	14-03-31
2	FOR 99% COMMENTS	14-03-21
1	FOR 66% COMMENTS	14-03-07

project  
projet

## ELEVATOR REPLACEMENT

drawing  
dessin

TITLE PAGE, KEY PLAN  
& LEGEND /  
PAGE DE PRÉSENTATION,  
PLAN CLÉ ET LÉGENDE

approved by / approuvé par	F. LAFRAMBOISE
designed by / conçu par	G. COLLADOS
drawn by / dessiné par	Y. BROOHTAERTS
date	2014-02-24
scale	NONE
NCC project no. / no. du projet de la CCN	sheet no. / no. de la feuille
DC 1110-21-10	ME-000

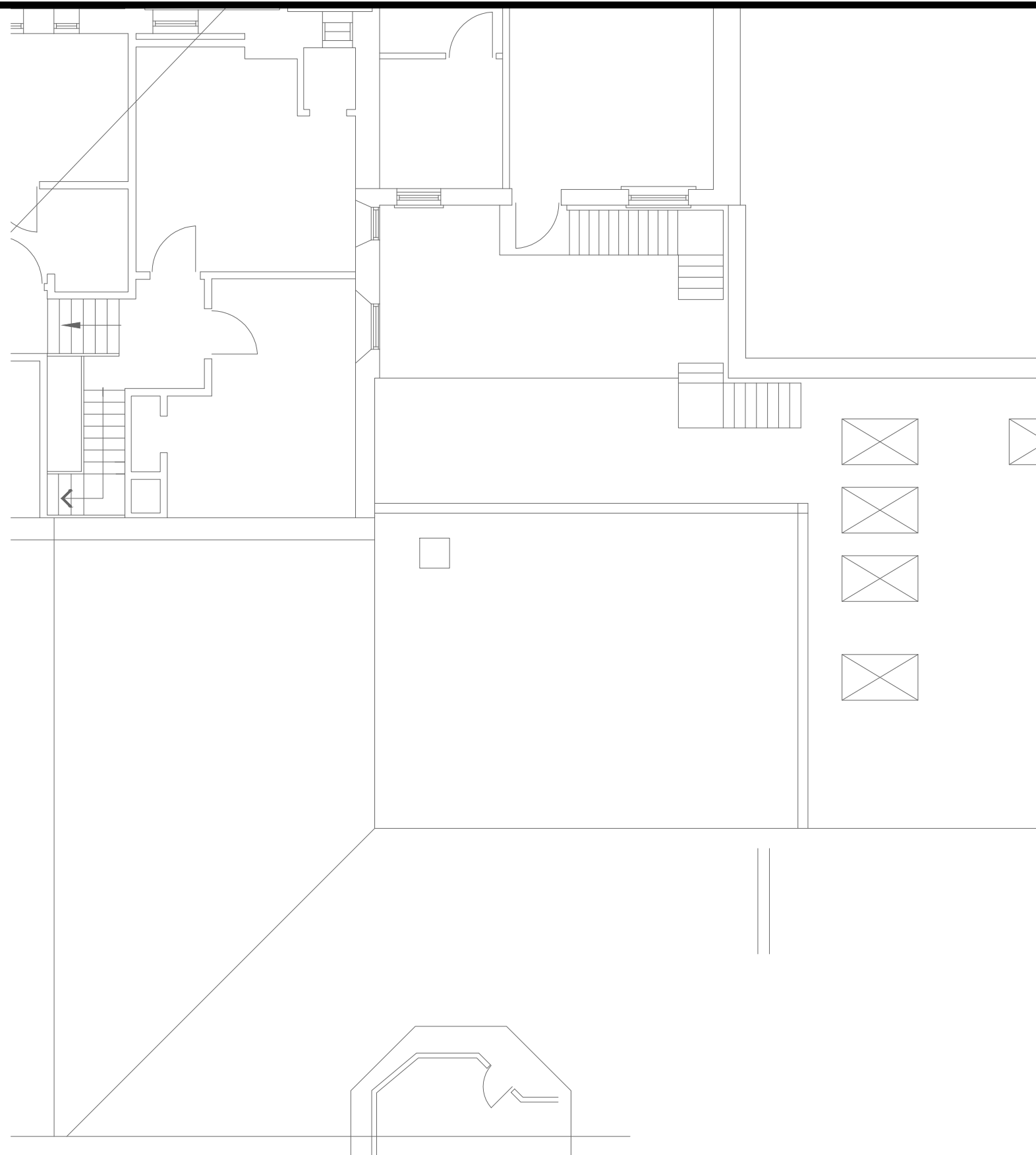
ELECTRICAL / ÉLECTRIQUE	
<b>LIGHTING FIXTURES / APPAREILS D'ÉCLAIRAGE</b>	
<ul style="list-style-type: none"> <li>LINEAR / LINEAIRE</li> <li>VERTICAL WALL MOUNTED LINEAR / LINEAIRE EN APPLIQUE VERTICALE</li> </ul>	<ul style="list-style-type: none"> <li>AT CEILING / AU PLAFOND</li> <li>2300(90") C/L ABOVE FLOOR / 2300(90") C/L DU PLANCHER</li> </ul>
<b>LIGHTING FIXTURES CODIFICATION / CODIFICATION DES APPAREILS D'ÉCLAIRAGE</b>	
<ul style="list-style-type: none"> <li>LIGHTING FIXTURE TYPE "F1" / TYPE DE L'APPAREIL D'ÉCLAIRAGE «F1»</li> <li>ELECTRICAL CIRCUIT "22" / CIRCUIT ÉLECTRIQUE «22»</li> </ul>	<ul style="list-style-type: none"> <li>ELECTRICAL PANEL "P-XXX" / PANNEAU ÉLECTRIQUE «P-XXX»</li> <li>CONTROL GROUP "G" / GROUPE DE CONTRÔLE «G»</li> </ul>
<b>LIGHTING CONTROLS / CONTRÔLES D'ÉCLAIRAGE</b>	
<ul style="list-style-type: none"> <li>SWITCH, SINGLE-POLE 120V / INTERRUPTEUR UNIPOLAIRE 120V</li> </ul>	<ul style="list-style-type: none"> <li>1200(48") C/L ABOVE FLOOR / 1200(48") C/L DU PLANCHER</li> </ul>
<b>RECEPTACLES / PRISES DE COURANT</b>	
<ul style="list-style-type: none"> <li>DOUBLE 15A, 125V, 5-15R CONFIGURATION / DOUBLE 15A, 125V, CONFIGURATION 5-15R</li> <li>DOUBLE 15/20A, 125V, 5-20R CONFIGURATION WITH GROUND FAULT CIRCUIT INTERRUPTER / DOUBLE 15/20A, 125V, CONFIGURATION 5-20R C/A DISJONCTEUR DIFFÉRENTIEL DE CLASSE A</li> <li>DOUBLE 15A, 125V, 5-15R CONFIGURATION WITH GROUND FAULT CIRCUIT INTERRUPTER / DOUBLE 15A, 125V, CONFIGURATION 5-15R C/A DISJONCTEUR DIFFÉRENTIEL DE CLASSE A</li> </ul>	<ul style="list-style-type: none"> <li>450(18") C/L ABOVE FLOOR / 450(18") C/L DU PLANCHER</li> <li>450(18") C/L ABOVE FLOOR / 450(18") C/L DU PLANCHER</li> <li>450(18") C/L ABOVE FLOOR / 450(18") C/L DU PLANCHER</li> </ul>

CIRCUITS CODIFICATION / CODIFICATION DES CIRCUITS	
22(P-XXX)	ELECTRICAL PANEL "P-XXX" / PANNEAU ÉLECTRIQUE «P-XXX» ELECTRICAL CIRCUIT "22" / CIRCUIT ÉLECTRIQUE «22»
<b>WIRING DEVICES / DISPOSITIF DE FILERIE</b>	
CONNECTION POINT / POINT DE RACCORDEMENT	
<b>DISTRIBUTION / DISTRIBUTION</b>	
PULL BOX / BOÎTE DE TIRAGE	1350(54") C/L ABOVE FLOOR /
MOTOR / MOTEUR	1350(54") C/L ABOVE FLOOR /
MAINTENANCE SWITCH UP TO 600V / INTERRUPTEUR D'ENTRETIEN JUSQU'À 600V	
SAFETY SWITCH UP TO 240V / INTERRUPTEUR DE SÛRETÉ JUSQU'À 240V	1350(54") C/L DU PLANCHER
SAFETY SWITCH, OVER 240V / INTERRUPTEUR DE SÛRETÉ DE PLUS DE 240V	1350(54") C/L DU PLANCHER
SURFACE MOUNTED SERVICE PANEL UP TO 240V / PANNEAU D'UTILISATION JUSQU'À 240V EN SURFACE	TOP AT 1850(72") ABOVE FLOOR / LE DESSUS À 1850(72") DU PLANCHER
SURFACE MOUNTED DISTRIBUTION PANEL UP TO 240V / PANNEAU DE DISTRIBUTION JUSQU'À 240V EN SURFACE	SEE DRAWING(S) / VOIR DESSIN(S)
SURFACE MOUNTED SERVICE PANEL, OVER 240V / PANNEAU D'UTILISATION DE PLUS DE 240V EN SURFACE	TOP AT 1850(72") ABOVE FLOOR / LE DESSUS À 1850(72") DU PLANCHER
SURFACE MOUNTED DISTRIBUTION PANEL, OVER 240V / PANNEAU DE DISTRIBUTION DE PLUS DE 240V EN SURFACE	SEE DRAWING(S) / VOIR DESSIN(S)
DRY TYPE TRANSFORMER / TRANSFORMATEUR À SEC	SEE DRAWING(S) / VOIR DESSIN(S)

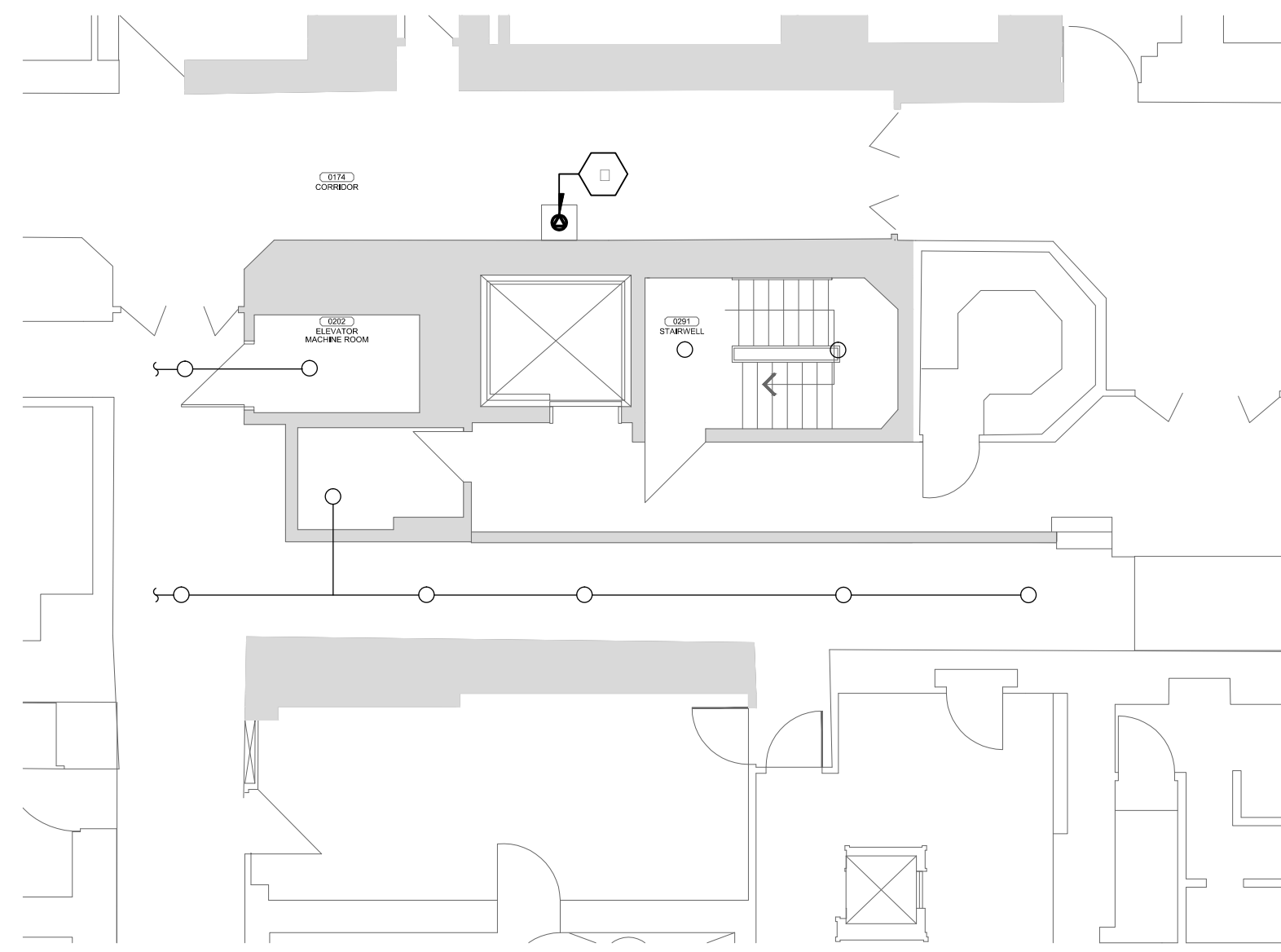
FIRE ALARM / ALARME INCENDIE	
SMOKE ALARM / AVERTISSEUR DE FUMÉE	SEE DRAWING(S) / VOIR DESSIN(S)
COMBINE SMOKE AND HEAT DETECTOR / AVERTISSEUR DE FUMÉE ET CHALEUR COMBINÉ	SEE DRAWING(S) / VOIR DESSIN(S)
ADDRESSABLE INTERFACE MODULE - RELAY/FUNCTION / MODULE D'INTERFACE ADRESSABLE - RELAIS/FONCTION	
<b>GENERAL NOTES / NOTES GÉNÉRALES</b>	
EXISTING EQUIPMENT TO REMOVE / ÉQUIPEMENT EXISTANT À ENLEVER	
EXISTING EQUIPMENT / ÉQUIPEMENT EXISTANT	
MODIFIED OR NEW EQUIPMENT / ÉQUIPEMENT MODIFIÉ OU NOUVEAU	
<b>IDENTIFICATIONS / IDENTIFICATIONS</b>	
SECTION «A» ON DRAWING E-001 / COUPE «A» SUR LE DESSIN E-001	
ELEVATION «A» ON DRAWING E-001 / ÉLÉVATION «A» SUR LE DESSIN E-001	
DETAIL «1» ON SAME DRAWING / DÉTAIL «1» SUR LE MÊME DESSIN	
REVISION NO 1 / RÉVISION NO 1	

IDENTIFICATIONS / IDENTIFICATIONS	
IDENTIFICATION NO 1 / IDENTIFICATION NO 1	
EQUIPMENT IDENTIFICATION SHOWN IN TABLE (EXCEPT FOR LIGHTING FIXTURES) / IDENTIFICATION D'ÉQUIPEMENT LISTÉ DANS UN TABLEAU (SAUF APPAREILS D'ÉCLAIRAGE)	
EQUIPMENT IDENTIFICATION / IDENTIFICATION D'ÉQUIPEMENT	
<b>ABBREVIATIONS / ABRÉVIATIONS</b>	
MH MOUNTING HEIGHT / HAUTEUR DE MONTAGE	MALT GROUND / MISE À LA TERRE
450(18") 450mm, 18inches / 450mm, 18pouces	C/W COMPLETE WITH / COMPLÈTE AVEC
C/L CENTER LINE / LIGNE DE CENTRE	UP UP / EN HAUT
DN DOWN / EN BAS	
<b>MECHANICAL / MÉCANIQUE</b>	
<b>FIRE PROTECTION PROTECTION INCENDIE</b>	
FIRE EXTINGUISHER / EXTINCTEUR PORTATIF EN SURFACE	
UPRIGHT SPRINKLER / TÊTE D'EXTINCTEUR RELEVÉE	
HORIZONTAL SIDEWALL SPRINKLER / TÊTE D'EXTINCTEUR MURALE HORIZONTALE	
<b>CONNECTIONS AND ACCESSORIES RACCORDS ET ACCESSOIRES</b>	
UNION / UNION	
SAFETY VALVE - PRESSURE / SOUPAPE DE DÉCHARGE - PRÉSSION ET TEMPÉRATURE	



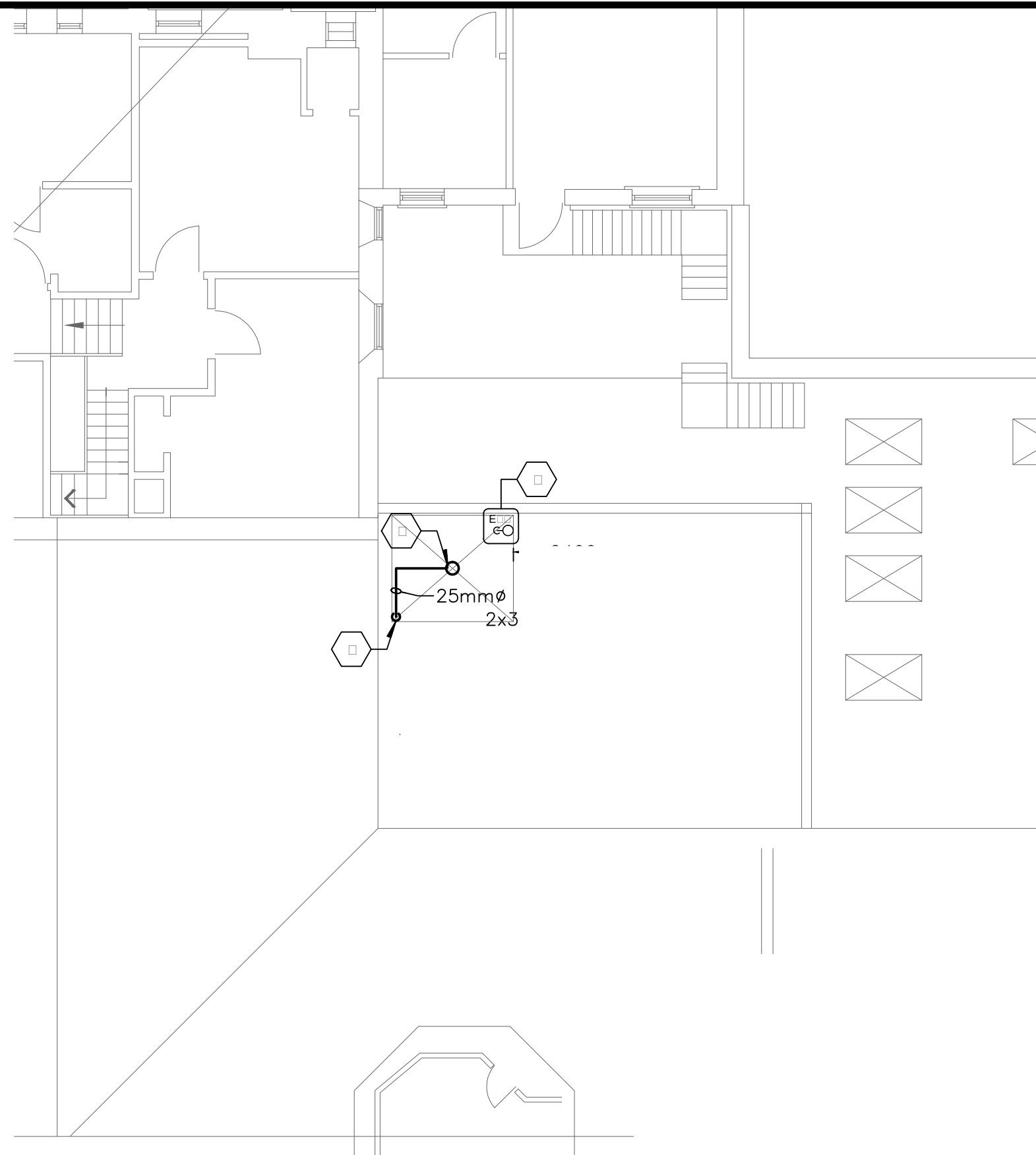


ROOF  
TOIT  
SCALE/ECHELLE = 1:100  
1  
M-100

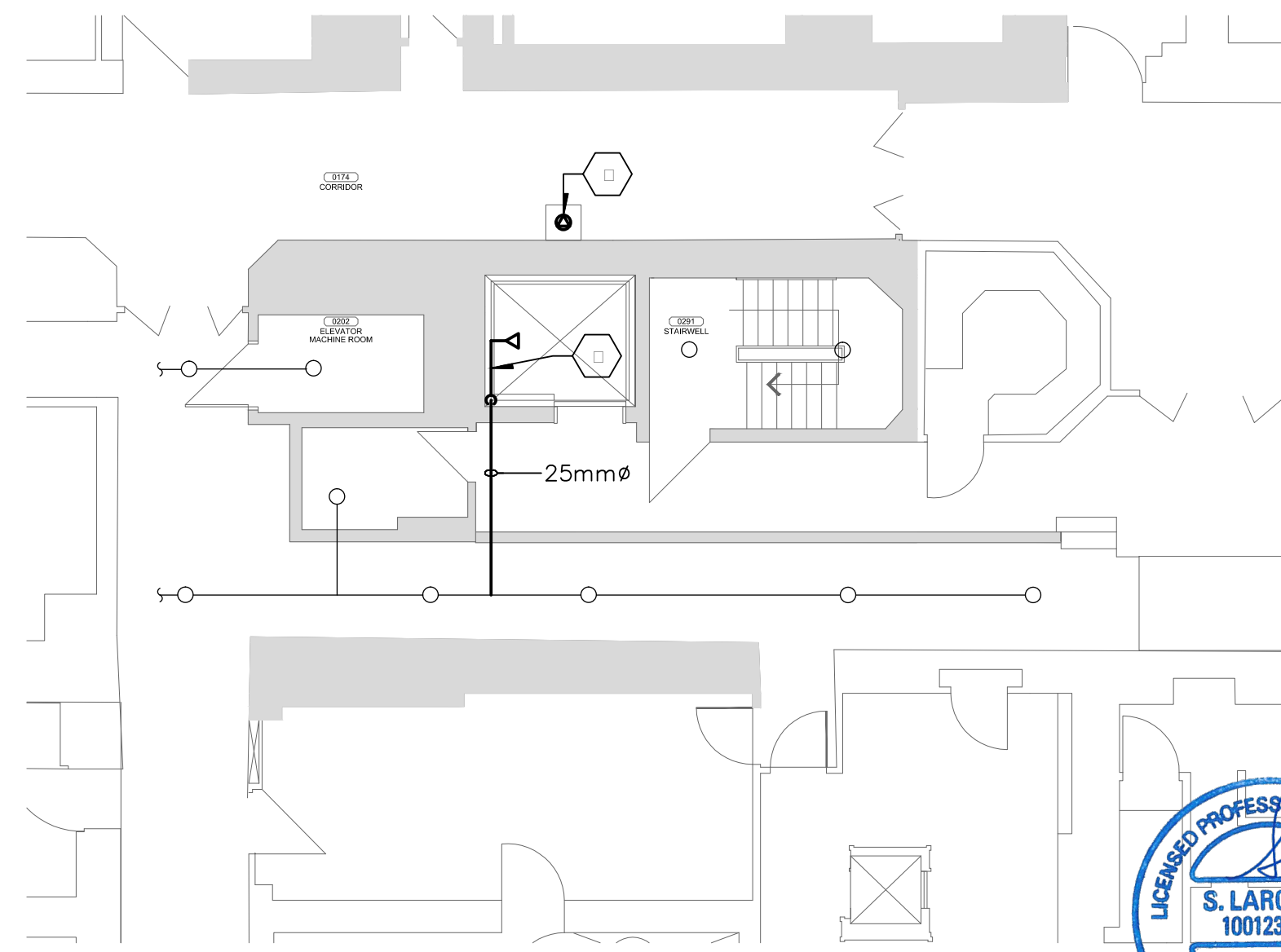


BASEMENT  
SOUS-SOL  
SCALE/ECHELLE = 1:100  
5  
M-100

EXISTANT / EXISTING



ROOF  
TOIT  
SCALE/ECHELLE = 1:100  
3  
M-100



BASEMENT  
SOUS-SOL  
SCALE/ECHELLE = 1:100  
6  
M-100

GENERAL NOTE(S): /

NOTE(S) GÉNÉRALE(S):

1- CONTRACTOR SHALL WHEN RESTARTING THE FLUID COOLER, PROVIDE ADDITIONAL GLYCOL IN ORDER TO ENSURE PROPER SYSTEM FUNCTIONING AS WELL AS A PURGE OF THE PIPING. /

L'ENTREPRENEUR DOIT LORS DE LA REMISE EN SERVICE DU REFROIDISSEUR DE LIQUIDE, PRÉVOIR L'AJOUT DE GLYCOL AFIN D'ASSURER LE BON FONCTIONNEMENT DU SYSTÈME, AINSI QU'UNE PURGE DE LA TUYAUTERIE.

SPECIFIC NOTE(S): /

IDENTIFICATION(S):

- ① N.I.C
- ② N.I.C
- ③ N.I.C
- ④ SUPPLY AND INSTALL A NEW PORTABLE FIRE EXTINGUISHER (10lbs ABC) IN THE ELEVATOR CONTROL-MECHANICAL ROOM. EXACT LOCATION TO BE CONFIRMED WITH THE ELEVATOR CONTRACTOR. /  
FOURNIR ET INSTALLER UN NOUVEL EXTINCTEUR PORTATIF (10lbs ABC) DANS LA SALLE DE CONTRÔLE-MÉCANIQUE DE L'ASCENSEUR. L'EMPLACEMENT EXACT, À ÊTRE CONFIRMÉ AVEC L'ENTREPRENEUR DE L'ASCENSEUR.
- ⑤ SPRINKLER PIPING FOR NEW SIDEWALL HEAD LOCATED AT BOTTOM OF THE ELEVATOR SHAFT. EXACT LOCATION AND PIPING RUN TO BE DETERMINED ON SITE WITH ELEVATOR MANUFACTURE. /  
TUYAUTERIE DE GICLÉUR POUR LA NOUVELLE TÊTE MURAL LOCALISÉE AU BAS DU PUIT D'ASCENSEUR. POSITION EXACTE ET PARCOURS DE LA TUYAUTERIE À DÉTERMINER SUR LE SITE AVEC LE MANUFACTURIER DE L'ASCENSEUR.
- ⑥ NEW UPRIGHT INTERMEDIATE TEMPERATURE RATING SPRINKLER HEAD C/W PROTECTION CAGE LOCATED AT THE TOP OF THE ELEVATOR SHAFT. EXACT LOCATION AND PIPING RUN TO BE DETERMINED ON SITE WITH ELEVATOR MANUFACTURE. /  
NOUVELLE TÊTE RELEVÉS AYANT UN DEGRÉ D'ACTIVATION DE TEMPÉRATURE INTERMÉDIAIRE C/A CAGE DE PROTECTION LOCALISÉE AU HAUT DU PUIT D'ASCENSEUR. POSITION EXACTE ET PARCOURS DE LA TUYAUTERIE À DÉTERMINER SUR LE SITE AVEC LE MANUFACTURIER DE L'ASCENSEUR.
- ⑦ SPRINKLER PIPING FOR NEW HEAD TO BE CONNECTED TO THE EXISTING SPRINKLER PIPING LOCATED IN THE CEILING SPACE OF THE ELEVATOR LOBBY OF THE SECOND FLOOR. EXACT LOCATION AND PIPING RUN TO BE DETERMINED ON SITE. /  
TUYAUTERIE DE GICLÉUR POUR LA NOUVELLE TÊTE À RACCORDER SUR LA TUYAUTERIE DE GICLÉUR EXISTANTE LOCALISÉE DANS L'ENTRE-PLAFOND DU LOBBY D'ASCENSEUR AU DEUXIÈME ÉTAGE. POSITION EXACTE ET PARCOURS DE LA TUYAUTERIE À DÉTERMINER SUR LE SITE.
- ⑧ NEW SUMP PUMP TO BE INSTALLED IN EXISTING PIT. REFER TO SPECIFICATIONS FOR DETAILS. /  
NOUVELLE POMPE DE PUISARD À INSTALLÉE DANS LE PUIT EXISTANT. RÉFÉRER AU DEVIS POUR LES DÉTAILS.

THIS DRAWING IS ISSUED FOR DEMOLITION PURPOSES, IT REPRESENTS AN INVENTORY OF THE MAIN EXISTING INSTALLATIONS, GENERALLY VERIFIED IN CONNECTION WITH THE MODIFICATIONS SHOWN ON THIS DRAWING'S "MODIFIED" VERSION, AND OF WHICH THE GENUINE CONDITIONS MUST BE OBSERVED ON THE SITE BY THE CONTRACTOR. /  
CE PLAN EST ÉMIS POUR FINS DE DÉMOLITION. IL CONSTITUE UN INVENTAIRE DES INSTALLATIONS PRINCIPALES EXISTANTES, GÉNÉRALEMENT VÉRIFIÉES EN RAPPORT AVEC LES MODIFICATIONS MONTRÉES SUR LA VERSION "MODIFIÉ" DE CE PLAN ET DONT LES CONDITIONS RÉELLES DOIVENT ÊTRE CONSTATÉES SUR PLACE PAR L'ENTREPRENEUR.



MODIFIED / MODIFIÉ



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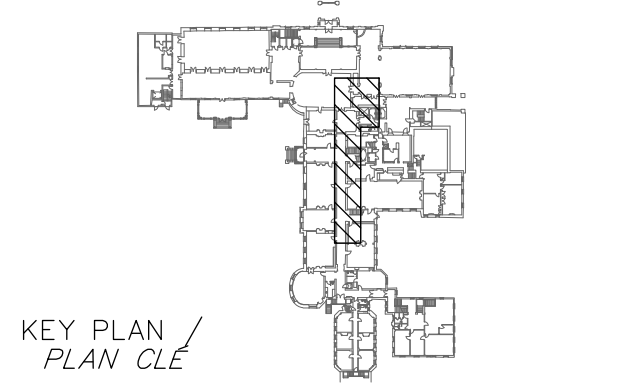
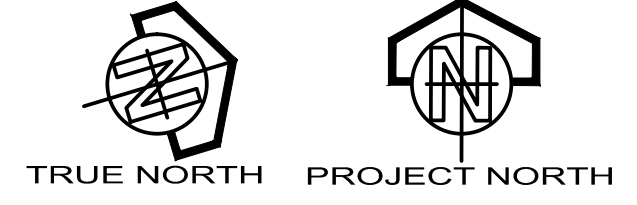
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Division design et construction

director - Claude Robert - directeur

consultant  
expert-conseil



consulting engineers  
Ingénieur consultant



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no.	description	date
4	RE-ISSUED FOR TENDER	14-04-28
3	FOR TENDER	14-03-31
2	FOR 99% COMMENTS	14-03-21
1	FOR 66% COMMENTS	14-03-07

project  
projet

ELEVATOR REPLACEMENT

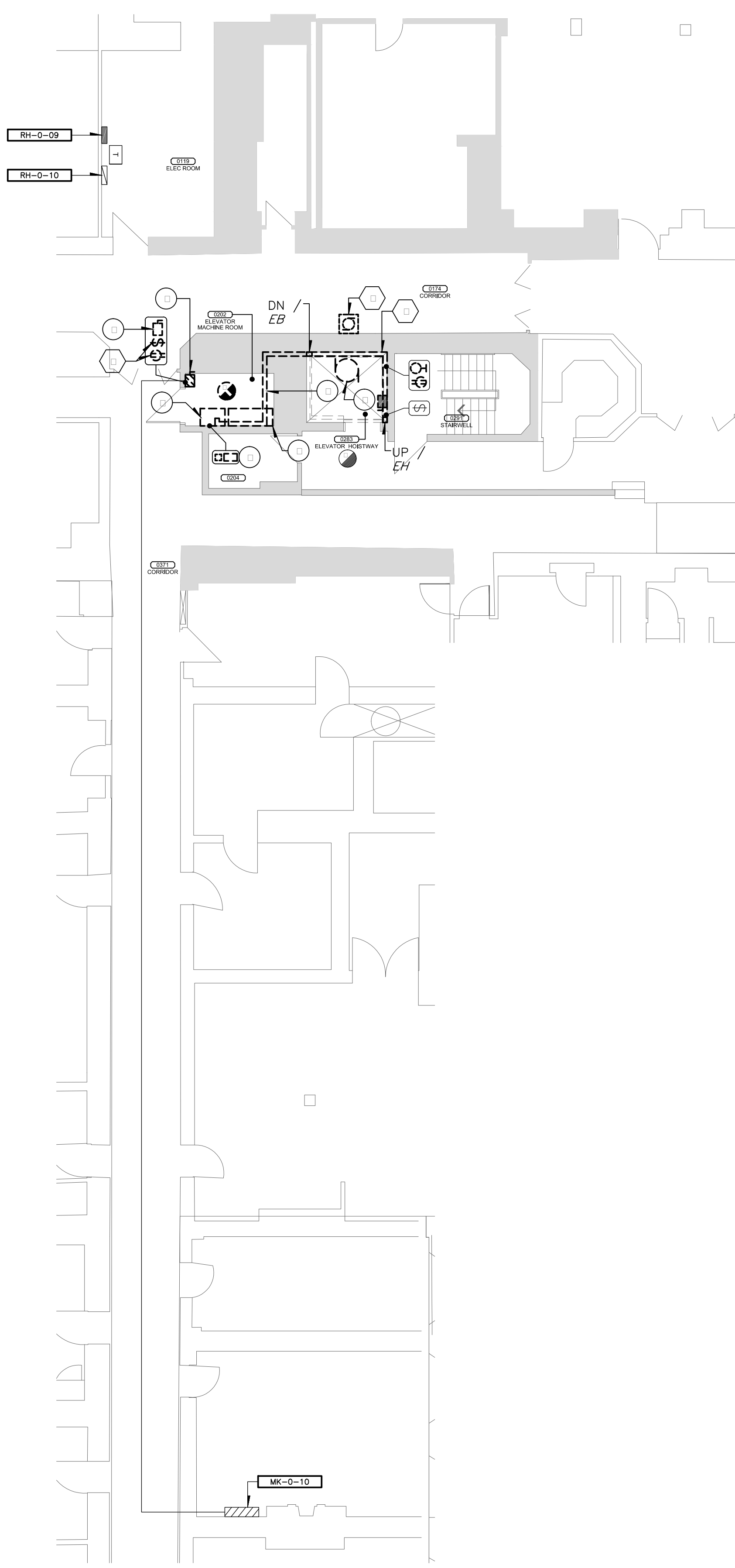
drawing  
dessin  
MECHANICAL -  
EXISTING & MODIFIED PLAN -  
MULTI-DISCIPLINES /  
MÉCANIQUE -  
PLAN EXISTANT ET MODIFIÉ -  
MULTI-DISCIPLINES

approved by  
approuvé par F. LAFRAMBOISE  
designed by  
conçu par S. LAROCHE  
drawn by  
dessiné par Y. BROOthaerts

date 2014-02-24 scale 1:100  
no. du projet de la CCN sheet no. no. de la feuille

DC 1110-21-10 M-100





**BASEMENT**  
**SOUS-SOL**  
SCALE/ÉCHELLE = 1:100

1  
E-100

**SPECIFIC NOTE(S): /**

**IDENTIFICATION(S):**

- ① REMOVE COMPLETELY THE ELEVATOR CONTROL CABLE DUCT AND WIRING. / ENLEVER COMPLÈTEMENT LE CANAL DE CÂBLAGE ET LE FILAGE DU CONTRÔLEUR DE L'ASCENSEUR.
- ② REMOVE POWER OUTLET AND SWITCH. EXISTING CIRCUIT TO BE REUSED. /
- ③ N.I.C
- ④ DISCONNECT EXISTING SUMP PUMP. / DÉBRANCHER LA POMPE EXISTANTE.

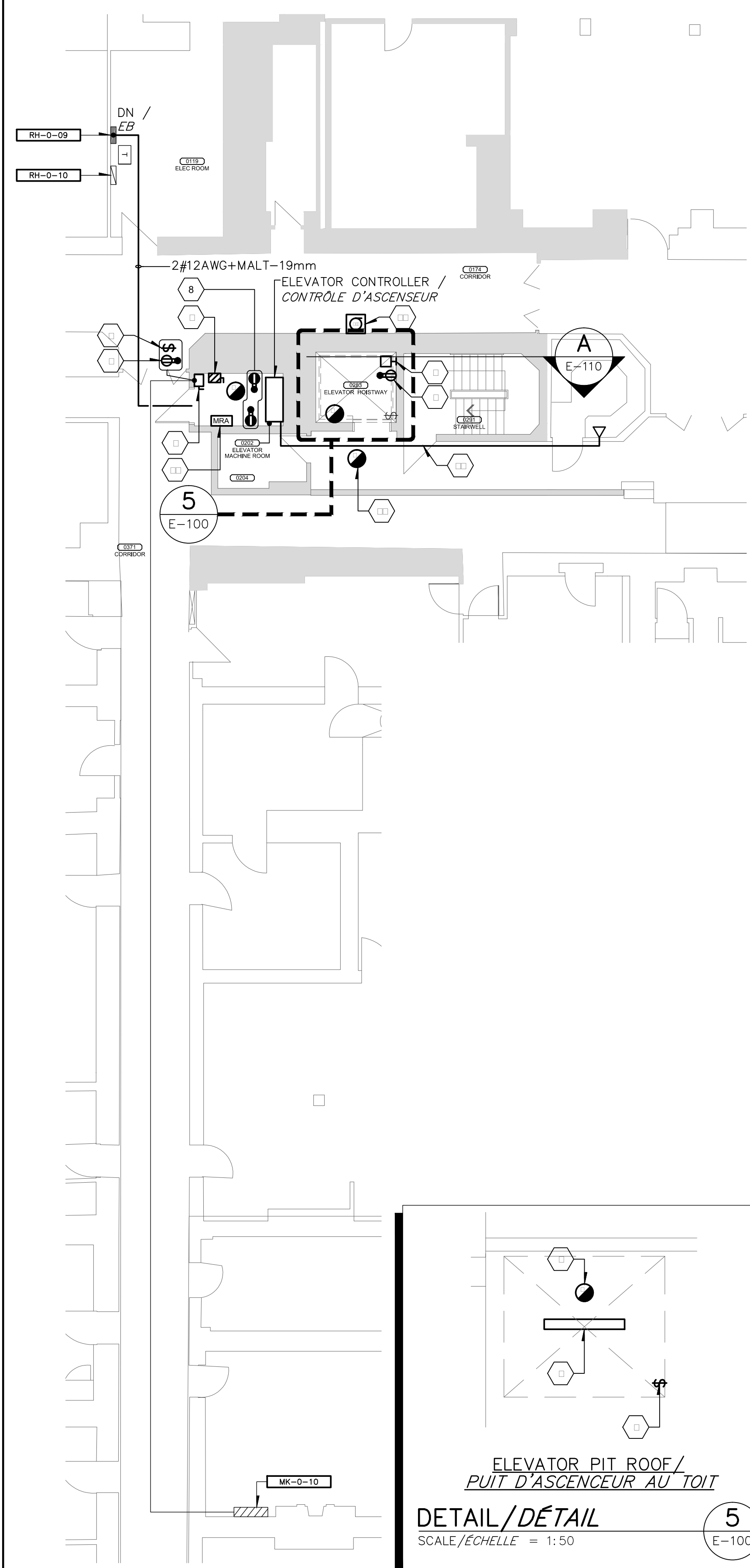
**EQUIPMENT(S): /**

**ÉQUIPEMENTS(S):**

- |   |  |
|---|--|
| 1 | SAFETY SWITCH, 600V, 30A /<br>INTERRUPTEUR DE SÛRETÉ, 600V, 30A  |
| 2 | SAFETY SWITCH, 120V, CAR LIGHT /<br>INTERRUPTEUR DE SÛRETÉ, 110V, ÉCLAIRAGE D'ASCENSEUR  |
| 3 | ELEVATOR CONTROL PANEL /<br>PANNEAU DE CONTRÔLE DE L'ASCENSEUR   |
| 4 | INVERTOR AND 12 VOLT EMERGENCY POWER /<br>INVERSEUR ET POUVOIR URGENCE 12 VOLT   |
| 5 | WALL MOUNTED CABLE DUCT /<br>CHEMIN DE CÂBLE MONTÉ AU MUR  |
| 6 | HYDRAULIC OIL TANK TO BE REMOVED BY GENERAL CONTRACTOR /<br>RÉSERVOIR D'HUILE HYDRAULIQUE À ÊTRE ENLEVÉ PAR L'ENTREPRENEUR GÉNÉRAL |
| 7 | OIL PUMP WITH GAUGE TO BE REMOVED BY GENERAL CONTRACTOR /<br>POMPE POUR HUILE AVEC GAUGE À ÊTRE ENLEVÉ PAR L'ENTREPRENEUR GÉNÉRAL  |

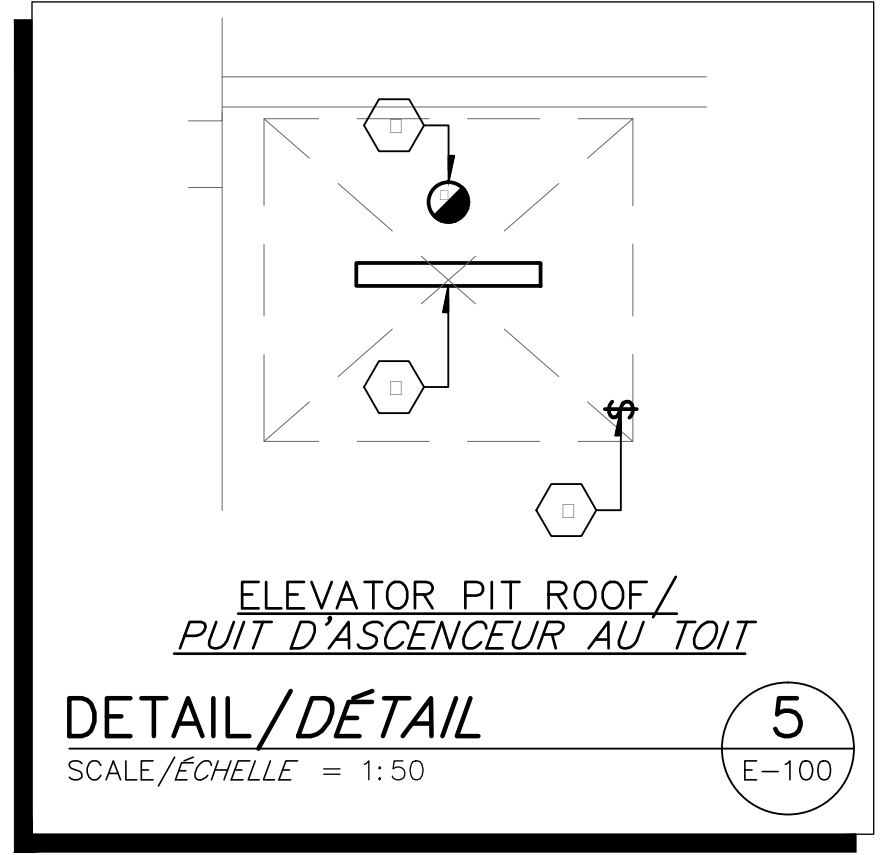
THIS DRAWING IS ISSUED FOR DEMOLITION PURPOSES, IT REPRESENTS AN INVENTORY OF THE MAIN EXISTING INSTALLATIONS, GENERALLY VERIFIED IN CONNECTION WITH THE MODIFICATIONS SHOWN ON THIS DRAWING'S "MODIFIED" VERSION, AND OF WHICH THE GENUINE CONDITIONS MUST BE OBSERVED ON THE SITE BY THE CONTRACTOR. / CE PLAN EST ÉMIS POUR FINS DE DÉMOLITION. IL CONSTITUE UN INVENTAIRE DES INSTALLATIONS PRINCIPALES EXISTANTES, GÉNÉRALEMENT VÉRIFIÉES EN RAPPORT AVEC LES MODIFICATIONS MONTRÉES SUR LA VERSION "MODIFIÉ" DE CE PLAN ET DONT LES CONDITIONS RÉELLES DOIVENT ÊTRE CONSTATÉES SUR PLACE PAR L'ENTREPRENEUR.

**EXISTANT / EXISTING**



**BASEMENT**  
**SOUS-SOL**  
SCALE/ÉCHELLE = 1:100

3  
E-100



**GENERAL NOTE(S): /**

**NOTE(S) GÉNÉRALE(S):**

- 1- COORDINATE LOCATION OF NEW ELECTRICAL COMPONENTS WITH THE ARCHITECT AND THE ELEVATOR CONTRACTOR. / COORDONNER LA POSITION DES NOUVEAUX COMPOSANTS ÉLECTRIQUE AVEC L'ARCHITECTE ET LE FOURNISSEUR DE L'ASCENSEUR.
- 2- ALL CONDUITS INSIDE ELEVATOR HOISTWAY TO BE RIGID ALUMINIUM OR FLEXIBLE METALIC WATER TIGHT. / TOUS LES CONDUITS À L'INTÉRIEUR DE LA CAGE D'ASCENSEUR DOIVENT ÊTRE EN ALUMINIUM RIGIDE OU MÉTALLIQUE FLEXIBLE RÉSISTANT À L'EAU.

**SPECIFIC NOTE(S): /**

**IDENTIFICATION(S):**

- ① INSTALL A NEW LOCKABLE FUSED DISCONNECT SWITCH 30A, 600V. REUSE EXISTING CIRCUIT, MK-0-10 CCT 17. / INSTALLER UN NOUVEAU SECTIONNEUR CADENASSABLE 30A AVEC FUSIBLE, 600V. RÉUTILISER LE CIRCUIT EXISTANT, MK-0-10 CCT 17.
- ② INSTALL NEW GFCI OUTLET. REUSE EXISTING CIRCUIT / INSTALLER UNE NOUVELLE PRISE DDF. RÉUTILISER LE CIRCUIT EXISTANT.
- ③ INSTALL NEW LIGHT SWITCH. / INSTALLER UN NOUVEL INTERRUPTEUR D'ÉCLAIRAGE.
- ④ N.I.C

- ⑤ INSTALL NEW LOCKABLE DISCONNECT SWITCH 15A, 120V, FOR ELEVATOR LIGHT. REUSE EXISTING CIRCUIT. / INSTALLER UN NOUVEAU SECTIONNEUR CADENASSABLE 15A, 120V, POUR L'ÉCLAIRAGE DE L'ASCENSEUR. RÉUTILISER LE CIRCUIT EXISTANT.
- ⑥ NEW LIGHTING FIXTURE ON TOP OF HOIST WAY. METALUX, BC SERIES, MODEL BC225120VEB81 OR EQUIVALENT APPROVED. EXTEND EXISTING CIRCUIT FROM THE PIT. / NOUVEL APPAREIL D'ÉCLAIRAGE EN HAUT DE LA CAGE D'ASCENSEUR. METALUX, SÉRIE BC, MODÈLE BC225120VEB81 OU EQUIVALENT APPROUVÉ. PROLONGER LE CIRCUIT EXISTANT DANS LA CAGE D'ASCENSEUR.

- ⑦ INSTALL A NEW LIGHTING FIXTURE. METALUX, BC SERIES, MODEL BC225120VEB81 OR EQUIVALENT APPROVED. REUSE EXISTING CIRCUIT. / INSTALLER UN NOUVEL APPAREIL D'ÉCLAIRAGE. METALUX, SÉRIE BC, MODÈLE BC225120VEB81 OU EQUIVALENT APPROUVÉ. RÉUTILISER LE CIRCUIT EXISTANT.
- ⑧ INSTALL TWO 15/20A OUTLETS. PROVIDE A 20A CIRCUIT BREAKER IN THE RH-0-09 PANEL. / INSTALLER DEUX PRISES 15/20A. FOURNIR UN DISJONCTEUR DE 20A DANS LE PANNEAU RH-0-09.
- ⑨ NEW DETECTOR WITH AUXILIARY NC CONTACT TO BE CONNECTED TO THE EXISTING FIRE ALARM SYSTEM. AUXILIARY NC CONTACT TO BE CONNECTED TO THE ELEVATOR CONTROLLER. / NOUVEAU DÉTECTEUR AVEC CONTACT NF AUXILIAIRE À ÊTRE CONNECTÉ AU SYSTÈME D'ALARME EXISTANT. LE CONTACTEUR AUXILIAIRE NC DOIT ÊTRE CONNECTÉ DIRECTEMENT AU CONTRÔLE D'ASCENSEUR.

- ⑩ FIRE ALARM RELAY TO PROVIDE GENERAL SIGNAL TO ELEVATOR CONTROLLER. / RELAIS D'ALARME INCENDIE DOIT FOURNIR UN SIGNAL GÉNÉRALE AU CONTRÔLEUR D'ASCENSEUR.
- ⑪ REPLACE EXISTING DETECTOR FOR A NEW WITH AUXILIARY NC RELAY CONTACT. / REMPLACER LE DÉTECTEUR EXISTANT PAR UN DÉTECTEUR AVEC RELAIS AUXILIAIRE NF.
- ⑫ NEW EMT CONDUIT WITH CAT5 WIRE TO PROVIDE COMMUNICATION WITH THE ELEVATOR. / NOUVEAU CONDUIT EMT AVEC CÂBLE CAT5 POUR LA COMMUNICATION AVEC L'ASCENSEUR.

- ⑬ CONNECT NEW PUMP TO EXISTING CIRCUIT. REPLACE EXISTING BREAKER WITH A NEW 25A, 1PH, 120V BREAKER. PANEL LOCATION SHALL BE CONFIRMED ON SITE. / BRANCHER LA NOUVELLE POMPE SUR LE CIRCUIT EXISTANT. REMPLACER LE DISJONCTEUR EXISTANT PAR UN NOUVEAU DISJONCTEUR DE 25A, 1PH, 120V. LA POSITION DU PANNEAU DOIT ÊTRE CONFIRMER SUR LES LIEUX.

approved by / approuvé par F. LAFRAMBOISE  
 designed by / conçu par G. COLLADOS  
 drawn by / dessiné par Y. BROOHTAERTS  
 date 2014-02-24 scale / échelle 1:100  
 NCC project no. / sheet no. / no. du projet de la CCN / no. de la feuille  
 DC 1110-21-10 E-100



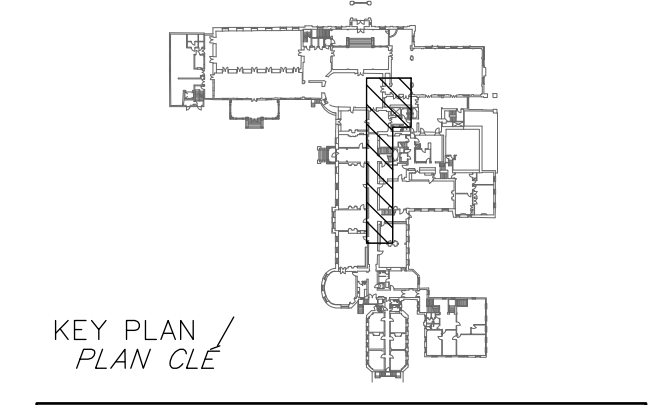
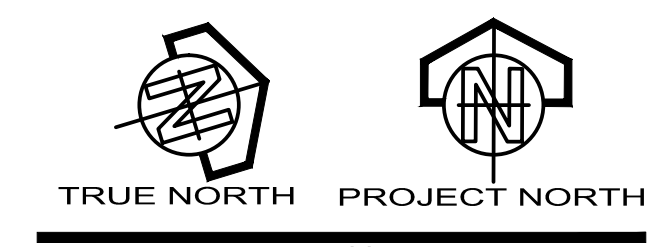
Real Estate Management, Design and Construction Branch  
Direction de la gestion de l'immobilier, design et construction

Design and Construction Division  
Division design et construction  
director - Claude Robert - directeur

consultant expert-conseil



consulting engineers  
Ingénieur consultant



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no.	description	date
4	RE-ISSUED FOR TENDER	14-04-28
3	FOR TENDER	14-03-31
2	FOR 99% COMMENTS	14-03-21
1	FOR 66% COMMENTS	14-03-07

project / projet

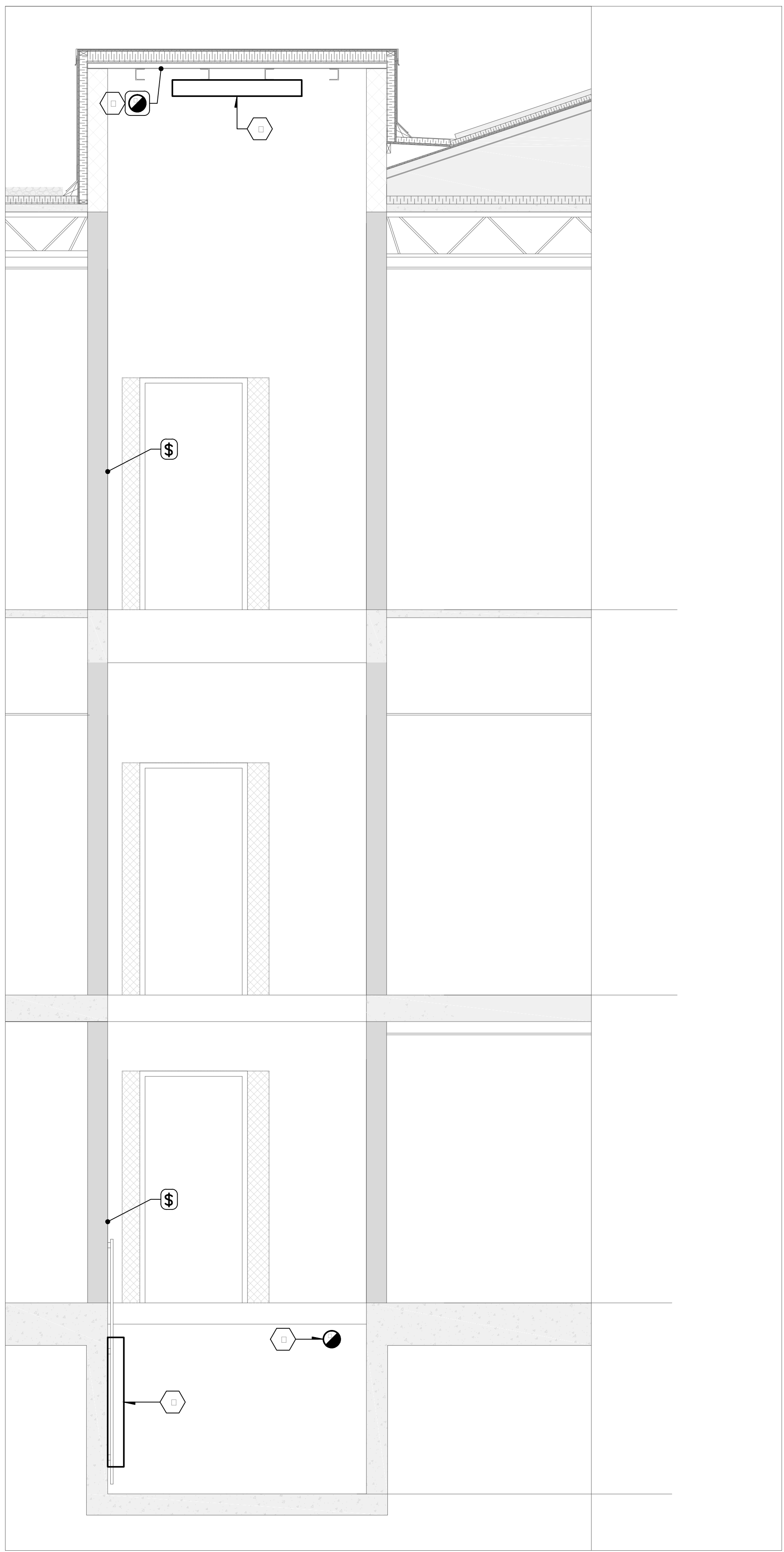
**ELEVATOR REPLACEMENT**

drawing / dessin  
**ELECTRICAL - EXISTING & MODIFIED PLAN - MULTI-DISCIPLINES / ÉLECTRIQUE - PLAN EXISTANT ET MODIFIÉ - MULTI-DISCIPLINES**

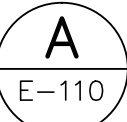
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 date 2014-02-24 scale / échelle 1:100  
 NCC project no. / sheet no. / no. du projet de la CCN / no. de la feuille  
 DC 1110-21-10 E-100







ELEVATOR SHAFT /  
PUIT D'ASCENCEUR  
SECTION / COUPE  
SCALE / ÉCHELLE = 1:30



**GENERAL NOTE(S): /**

**NOTE(S) GÉNÉRALE(S):**

- 1- COORDINATE LOCATION OF NEW ELECTRICAL COMPONENTS WITH THE ARCHITECT AND THE ELEVATOR CONTRACTOR. /  
COORDONNER LA POSITION DES NOUVEAUX COMPOSANTS ÉLECTRIQUE AVEC L'ARCHITECTE ET LE FOURNISSEUR DE L'ASCENCEUR.
- 2- ALL CONDUITS INSIDE ELEVATOR HOISTWAY TO BE RIGID ALUMINIUM OR FLEXIBLE METALIC WATER TIGHT. /  
TOUS LES CONDUITS À L'INTÉRIEUR DE LA CAGE D'ASCENSEUR DOIVENT ÊTRE EN ALUMINIUM RIGIDE OU MÉTALLIQUE FLEXIBLE RÉSISTANT À L'EAU.

**SPECIFIC NOTE(S): /**

**IDENTIFICATION(S):**

- (L) NEW LIGHTING FIXTURE METALUX, BC SERIES, MODEL BC225120VEB81 OR EQUIVALENT APPROVED. INSTALL LIGHTING FIXTURE TO ALLOW ENOUGH CLEARANCE FOR MAINTENANCE. EXTEND EXISTING CIRCUIT INSIDE PIT. /  
NOUVEL APPAREIL D'ÉCLAIRAGE METALUX, SÉRIE BC, MODÈLE BC225120VEB81 OU EQUIVALENT APPROUVÉ. INSTALLER L'APPAREIL D'ÉCLAIRAGE AVEC UN DÉGAGEMENT ADEQUAT POUR L'ENTRETIEN. PROLONGER LE CIRCUIT EXISTANT DANS LA CAGE D'ASCENSEUR.
- (D) NEW DETECTOR WITH AUXILIARY NC CONTACT TO BE CONNECTED TO THE EXISTING FIRE ALARM SYSTEM. AUXILIARY NC CONTACT TO BE CONNECTED TO THE ELEVATOR CONTROLLER. /  
NOUVEAU DÉTECTEUR AVEC CONTACTEUR NC AUXILIAIRE À ÊTRE CONNECTÉ AU SYSTÈME D'ALARME EXISTANT. LE CONTACTEUR AUXILIAIRE NC DOIT ÊTRE CONNECTÉ DIRECTEMENT AU CONTRÔLE D'ASCENCEUR.

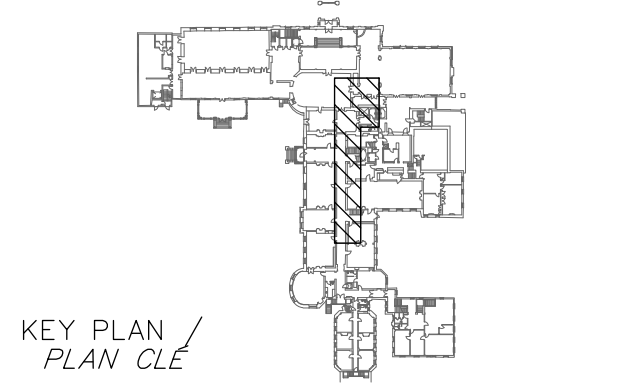


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project  
projet

**ELEVATOR REPLACEMENT**

drawing  
dessin  
**ELECTRICAL -  
DETAILS /  
ÉLECTRIQUE -  
DÉTAILS**

approved by  
approuvé par F. LAFRAMBOISE  
designed by  
conçu par G. COLLADOS  
drawn by  
dessiné par Y. BROOHTAERTS  
date 2014-02-24 scale  
échelle 1:30  
NCC project no.  
no. du projet de la CCN sheet no.  
no. de la feuille  
DC 1110-21-10



# GENERAL NOTES

## GENERAL

THE GENERAL NOTES AND TYPICAL DETAILS ARE APPLICABLE TO ALL STRUCTURAL CONDITIONS NOT SPECIFICALLY DETAILLED OR REFERENCED ON STRUCTURAL DRAWINGS.

THESE NOTES, DETAILS AND DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT'S SPECIFICATIONS.

THESE DRAWINGS ARE FOR THE USE OF THE CONSULTANT'S CLIENT ONLY. ALL INFORMATION SHOWN APPLIES TO THIS PROJECT ONLY AND REPRESENTS THE BEST JUDGEMENT OF THE CONSULTANT IN LIGHT OF THE AVAILABLE INFORMATION AT THE TIME OF PREPARATION, DECISIONS OR ACTIONS MADE BY THIRD PARTIES BASED ON THE DRAWINGS ARE THE SOLE RESPONSIBILITY OF SUCH PARTIES.

THESE DRAWINGS ARE THE PROPERTY OF THE CONSULTANT AND MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION.

## CODES AND STANDARDS

DESIGN AND CONSTRUCTION TO BE IN ACCORDANCE WITH THE CANADIAN BUILDING CODE OF CANADA

## SECTION DRAWINGS AND SUBMITTALS

### GENERAL

REVISIONS OF THE STRUCTURAL DRAWINGS SHALL NOT BE ADDED AS SECTION DRAWINGS. "ENGINEER" IN THE FOLLOWING PARAGRAPHS AND THROUGHOUT THESE DRAWINGS SHALL BE A PROFESSIONAL ENGINEER REGISTERED AND LICENSED TO PRACTICE IN THE PROVINCE OF ONTARIO.

REVIEW OF DRAWINGS APPLIES TO GENERAL ARRANGEMENT ONLY FOR THE PURPOSE OF ASCERTAINING CONFORMANCE WITH THE GENERAL DESIGN CONCEPT. THIS REVIEW DOES NOT IMPLY APPROVAL OF DETAIL DESIGN OR QUANTITIES IN SUBMITTED DRAWINGS; NOR DOES IT RELIEVE THE CONTRACTOR OF ITS RESPONSIBILITY FOR MAKING THE WORK COMPLETE, ACCURATE AND IN ACCORDANCE WITH THE STRUCTURAL DRAWINGS. ALLOW WORKING DASHES ON SECTION DRAWING REVIEW.

DO NOT FABRICATE MATERIALS BASED ON REPEATED OR DISAPPROVED SECTION DRAWINGS.

### MASONRY

SUBMIT EVIDENCE OF MORTAR AND GROUT STRENGTH AND JOINT STRENGTH

SUBMIT SAMPLES OF MASONRY ACCESSORIES.

### STRUCTURAL STEEL AND STEEL DECK

SUBMIT FOR REVIEW ELECTRONS DRAWINGS IN PDF FORMAT OF REVISION DRAWINGS WITH ALL FIELD NOTES FOR ALL STRUCTURAL STEEL ELEMENTS. ALL CONNECTIONS SHALL BE DESIGNED AND THE DRAWINGS SEALED, STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER.

SECTION DRAWING SUBMITTALS SHALL INCLUDE FOR STRUCTURAL STEEL CONNECTIONS BETWEEN ALL STEEL MEMBERS AND BEAMS AND/OR STEEL DECK INCLUDING ANNOTATED DIMENSIONS TO ALL CONNECTIONS TO SUPPORTS, REQUIRED BEARINGS, BOLTS AND ACCESSORIES.

## DIMENSIONS

FIELD DIMENSIONS ON THESE DRAWINGS AGAINST DIMENSIONS ON SITE AND ON ARCHITECTURAL DRAWINGS BEFORE USING THEM FOR FABRICATION OR CONSTRUCTION. REPORT DISCREPANCIES IMMEDIATELY ON DISCREPANCY DRAWINGS HAVE BEEN DRAWN REASONABLY TO STATE THAT THE CONTRACTOR MUST NOT STATE THESE DRAWINGS. CONFIRM EXISTING BUILDING LOCATION AND TIE IN JOINTS PRIOR TO CONSTRUCTION.

## INSPECTIONS AND TESTING

THE FOLLOWING ITEMS SHALL BE INSPECTED OR TESTED INDEPENDENT INSPECTION TESTING AGENCIES DESIGNATED BY THE CLIENT. MATERIALS AND WORKMANSHIP NOT CONFORMING TO THE SPECIFICATIONS SHALL BE REJECTED BY THE CONTRACTOR. REPORTS AND TEST RESULTS SHALL BE FORWARDED TO THE ENGINEER FOR REVIEW. TESTING SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

### ENGINEERED MASONRY TESTS

TESTS TO VERIFY STRENGTH OF GROUT AND MORTAR.

### STRUCTURAL STEEL

DISCONTINUATION OF ALL WEBS, TIGHTNESS OF BOLTED CONNECTIONS AND BEARING CAPACITY AND ALIGNMENT OF STEEL STRUCTURES.

NON-DESTRUCTIVE TESTING TO VERIFY THE QUALITY OF WELDING WHERE DEEMED QUESTIONABLE DISCOVER DEFECTS OR WHERE REQUIRED BY THE ENGINEER.

START OF PREPARATION AND PAINT APPLICATION IN BOTH SHOP AND FIELD FOR EXPOSED PAINTED STRUCTURAL STEEL.

### REINFORCING STEEL

CONTRACTOR SHALL ADVISE ARCHITECT EARLIEST FOR REQUIRED REINFORCING STEEL SITE REVIEW AT LEAST 14 DAYS PRIOR TO CLOSING OF FORM OR WALL FORMS AND 14 DAYS PRIOR TO POURING OF CONCRETE IN SLAB FOOTINGS, ETC.

## DESIGN AND DETAILING CRITERIA FOR SUPPORTS

MISCELLANEOUS METAL STEEL STAIRS  
MISCELLANEOUS METAL AND STEEL STAIRS ARE TO BE DESIGNED AND DETAILLED BY MISCELLANEOUS METAL AND STEEL STAIRS SPECIALIST. SUCH DRAWINGS ARE TO BE SUBMITTED TO ARCHITECT EARLIEST FOR REVIEW. SUCH DRAWINGS ARE TO BE STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO. ALL MISCELLANEOUS METAL AND STEEL STAIR WORK TO BE INSTALLED DURING CONSTRUCTION OF THE MISCELLANEOUS METAL AND STEEL STAIRS DESIGN ENGINEER WITH REPORTS FORWARDED TO THE PROJECT CONSULTANTS.

### LOAD-BEARING STEEL STUDS AND JOISTS

STEEL STUDS AND JOISTS ARE TO BE DESIGNED AND DETAILLED BY STEEL STUDS AND JOISTS SPECIALIST. SUCH DRAWINGS ARE TO BE SUBMITTED TO ARCHITECT EARLIEST FOR REVIEW. SUCH DRAWINGS ARE TO BE STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO. ALL STEEL STUD AND JOIST WORK TO BE INSTALLED DURING CONSTRUCTION OF THE STEEL STUD AND JOIST DESIGN ENGINEER WITH REPORTS FORWARDED TO THE PROJECT CONSULTANTS.

MECHANICAL AND ELECTRICAL EQUIPMENT OF THE SUPPORTS AND SEISMIC CRANES  
SUPPORTS FOR MECHANICAL AND ELECTRICAL EQUIPMENT AND SEISMIC CRANES ARE TO BE DESIGNED AND DETAILLED BY CONTRACTORS ENGINEER. SUCH DRAWINGS ARE TO BE SUBMITTED TO ARCHITECT EARLIEST FOR REVIEW. SUCH DRAWINGS ARE TO BE STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO. ALL SUPPORTS ARE TO BE INSTALLED DURING CONSTRUCTION OF THE SUPPORT DESIGN ENGINEER WITH REPORTS FORWARDED TO THE PROJECT CONSULTANTS.

## REINFORCING STEEL

DETAIL AND PLACE REINFORCING STEEL IN ACCORDANCE WITH THE R.S.I.C. "REINFORCING STEEL MANUFACTURE STANDARD PRACTICE" AND AS APPROVED OTHERWISE NOTED.

PROVIDE DEFORMED BARS WITH FIELD STRENGTH OF 420 MPa AS SPECIFIED IN CSA G40.21.

PROVIDE WELDED WIRE FABRIC AS SPECIFIED IN CSA G40.21 ON SHEETS ONLY.

### BEAMS

COMPRESSION FABRIC

SPALLS AND JOINTS

SUPPORTING SPALLS AND JOINTS

OTHER TENSION FABRIC

4500

### BAR DESIGNATION

MEANS BARS SIZE IN MILLIMETERS LONG

LENGTH

### REINFORCING BARS

PROVIDE BARS, SLAB BARS, SUPPORT BARS AND OTHER ACCESSORIES TO SUPPORT REINFORCING IN ACCORDANCE WITH THE LATEST EDITIONS OF CSA A AND A B BARS TO BE CAST IN PLACE OR CONCRETE. ALL WIRE BARS AND BAR SUPPORTS USED FOR COATED REINFORCING SHALL BE NON-METAL OR PROTECTED WITH AN ACCEPTABLE COATING.

BARS SHALL BE SPACED AT 400mm OR MAXIMUM. PROVIDE CONTINUOUS BARS WHERE POSSIBLE.

## MASONRY

ALL MASONRY TO BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE AND CANADA AND CANADA.

MINIMUM CONCRETE BLOCK UNIT STRENGTH NET AREA 20 MPa

MORTAR TYPE S

GROUT STRENGTH 18 MPa

MORTAR FOR EXPOSED AND BASEMENT SHALL BE AIR ENTRAINED.

WALL THICKNESS	LOAD BEARING
100mm	100mm DMR OR 100mm TO MATCH EXISTING DOWELS NOT LESS THAN 100mm

DMR IS GALVANIZED ADDER TO BE EMBEDDED MASONRY REINFORCEMENT WITH 2-#6 Ga. (4.76mm) SIDE RODS (TOTAL AREA 35.6mm<sup>2</sup>)

PROVIDE ENGINEERED LATERAL BRACING FOR TEMPORARY SUPPORT OF ALL LOAD BEARING MASONRY WALLS UNTIL ROOF STEEL FRAMING IS WELDED IN PLACE.

PROVIDE MINIMUM GROTTED LOW WELD BEAM AT TOP OF REINFORCED WALLS. EXTEND BERTICALLY TO TOP OF WELD BEAM. PROVIDE METAL STRIP UNDER WELD BEAMS BETWEEN GROTTED BORES TO RETAIN WELD BEAM GROUT.

PROVIDE BERTICAL REINFORCEMENT BARS IN GROTTED BORES AT SIDES OF ALL OPENINGS AND ENDS OF WALLS CONSTRUCTION JOINTS.

PROVIDE HORIZONTAL OPENINGS AND/OR RECESSES IN MASONRY WALLS SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS INCLUDING THOSE FOR MECHANICAL OR ELECTRICAL SERVICES OR EQUIPMENT.

## STRUCTURAL STEEL

ITEM	APPLICABLE SPECIFICATION
ROOFED SECTIONS	G40.21 W
EXPOSED SECTIONS	G40.21 W 50% MIN
ANCHOR BOLTS	NEI: SON STEEL MILD STEEL

ALL EXPOSED EXTERIOR STEEL TO BE GALVANIZED.

ALL STRUCTURAL STEEL TO BE PRIME PAINTED EXCEPT STEEL REINFORCING GALVANIZING OR STEEL TO BE CAST IN CONCRETE.

ALL BEAM CONNECTIONS TO BE TWO SIDED FINISH NOTED.

BENT BEARING PLATES UNDER BEAMS FINISH NOTED.

DO NOT CUT OR BORE AND OPENINGS IN ANY STRUCTURAL STEEL MEMBERS WITHOUT PRIOR WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.

WHERE A STRUCTURAL STEEL IS SHOWN ON THE DRAWINGS IS UNAVAILABLE A SECTION OR A GREATER SECTION PROPERTIES AND STRUCTURAL FABRICATION SHALL BE SUBSTITUTED ON APPROVAL OF OWNER AND CONSULTANT AT NO EXTRA COST

## STEEL DECK

SHEET STEEL TO BE 420MPa GRADE A STRUCTURAL QUALITY 420MPa

STEEL DECK TO BE GALVANIZED TO ASTM-A653M, ZF275 (275 g/m<sup>2</sup>) UNLESS OTHERWISE NOTED

WELDED TO SUPPORTING MEMBERS WITH 6mm EDGE THICKNESS WELDS OR WELDED TO SNAIL SHEETS AS A DIAGRAM

TRANSVERSE WELD SHALL BE 6mm MIN.

LONGITUDINAL WELD SHALL BE 6mm MIN.

SIDE LAPS SHALL BE 6mm MIN.

DO NOT SUPPORT BEELINGS, BOLTS, LIGTING OR BULBS FROM STEEL ROOF OR FLOOR DECK

PROVIDE BEELINGS AT SUPPORTS



Real Estate Management, Design and Construction Branch  
Direction de la gestion de l'immobilier, design et construction

Design and Construction Division  
Division design et construction

director - Claude Robert - directeur

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AAR PROJECT 2508-01



TRUE NORTH PROJECT NORTH

issued or revised  
émis ou révisé

no.	description	date
2	RE-ISSUED FOR TENDER	8 MAY 2014
1	ISSUED FOR TENDER	2 MAY 2014

project  
projet

## ELEVATOR REPLACEMENT

drawing  
dessin

## GENERAL NOTES

approved by  
approuvé par M.D.

designed by  
conçu par M.D.

drawn by  
dessiné par XY-ZHANG

date 2014-04-28 scale 1:100 INDICATED

NCC project no. DC 1110-21-10 sheet no. no. de la feuille

S01



issued or revised  
émis ou révisé

no.	description	date
2	RE-ISSUED FOR TENDER	8 MAY 2014
1	ISSUED FOR TENDER	2 MAY 2014

project  
projet

**ELEVATOR REPLACEMENT**

drawing  
dessin

**EXISTING/DEMOLITION  
SECTIONS &  
ROOF PLAN**

approved by approuvé par	M.D.
designed by conçu par	M.D.
drawn by dessiné par	XY-ZHANG
date	2014-04-28
scale échelle	INDICATED
NCC project no. no. du projet de la CCN	sheet no. no. de la feuille
DC 1110-21-10	S02

**DRAWING NOTES**

- EX. 8" OWSJ @ 2'-0" o/c AND EX. C4x6.25 @ 2'-0" o/c TO REMAIN
- EXPOSE EXISTING STRUCTURE ADJACENT TO SHAFT. REPORT EXISTING CONDITION FOR REVIEW AND AWAIT DIRECTION TO PROCEED  
EXPECTED PROCEDURE:  
\* CUT EXISTING ROOF STRUCTURE OVERHANG PAST OUTSIDE FACE OF EXISTING STONE WALL  
\* PROVIDE NEW DRY SPF #1 38x140 MEMBERS TO CONNECT AFFECTED TRUSSES ABOVE STONE WALL TO ADJACENT TRUSSES  
\* REPAIR ROOF SHEATHING AS REQUIRED WITH SPF SELECT PLANKS SIZED TO MATCH EXISTING  
\* PROVIDE NEW WOOD SUPPORT AFFECTED DECKING AS DIRECTED (TO SUIT AS-FOUND CONDITIONS)

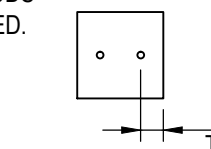
- REMOVE EXISTING:  
\* PIPE OVERRUN ENCLOSURE  
\* ROOF OVER ELEVATOR SHAFT  
(2 1/2" CONC. ON 1" PAN w/ 5"x6"x3/8" WIRE MESH)  
\* CHANNEL FRAMING AND BASE PLATES  
\* COURSE OF HALF-HEIGHT BLOCK (DO NOT DAMAGE DOWELS)

- PROVIDE ADD'L BLOCK COURSE AT FRONT WALL OF SHAFT. PROVIDE CUT BLOCKS ON SIDE WALLS UNDER BOND BEAM TO PROVIDE SMOOTH TRANSITION BETWEEN FRONT AND BACK WALLS. TOTAL 7 FULL COURSES ABOVE CONCRETE ON FRONT WALL AND 6 FULL COURSES ABOVE CONCRETE ON BACK WALL

- NEW ROOF:  
76x0.91 STEEL DECK  
PUDDLE WELD OR NAIL @ 300 ALL AROUND  
SLOPE +60 AT FRONT TO +0 AT BACK

- N/A

- NEW W150x22 HOIST BEAM c/w 500 HOLE EACH END AND c/w PL8x190x190 BEARING PLATE w/ 2-10M NELSON STUDS  
100mm EMBED.

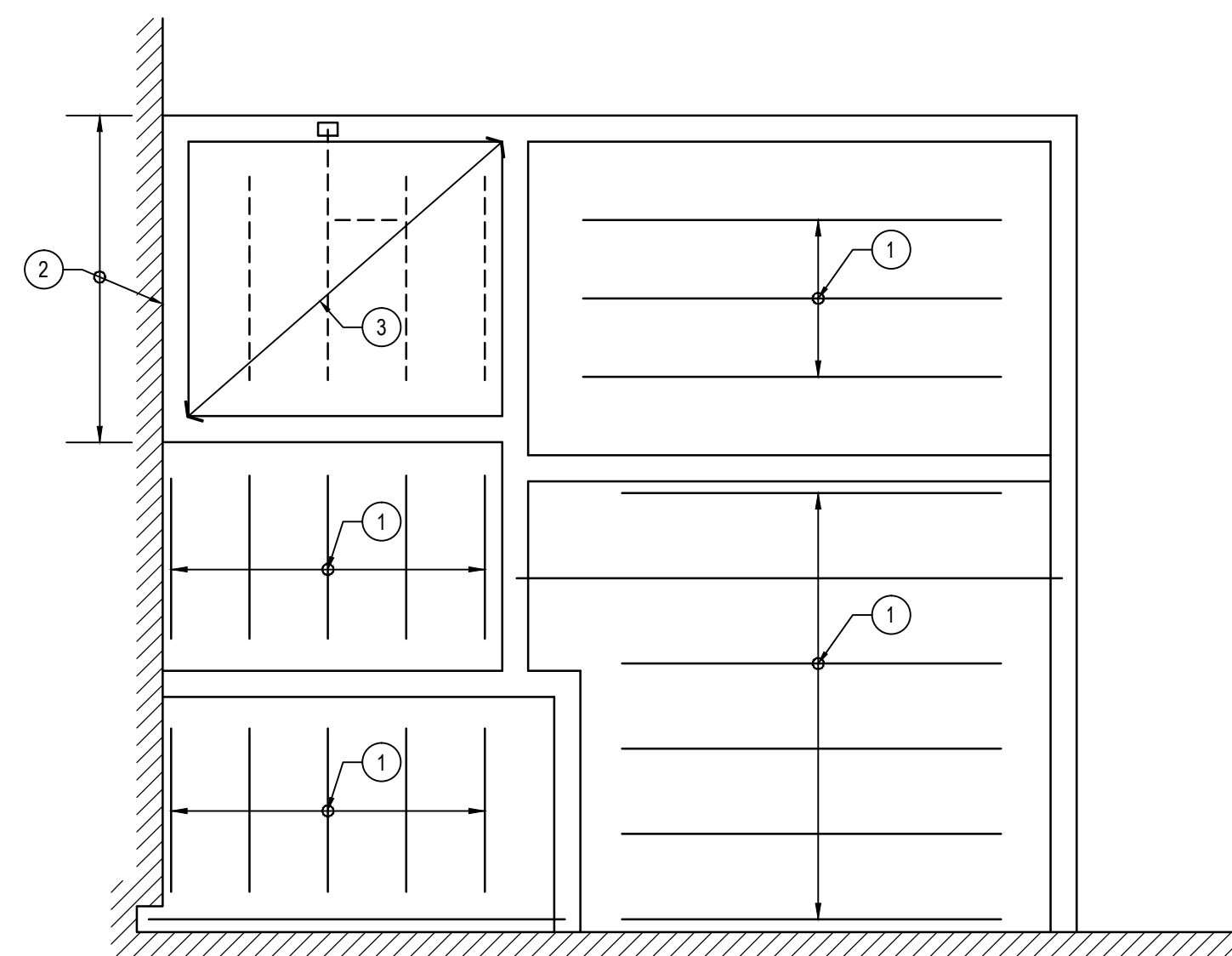


GROUT SOLID ONCE INSTALLATION IS APPROVED.  
LOCATION SUIT ELEVATOR REQUIREMENTS

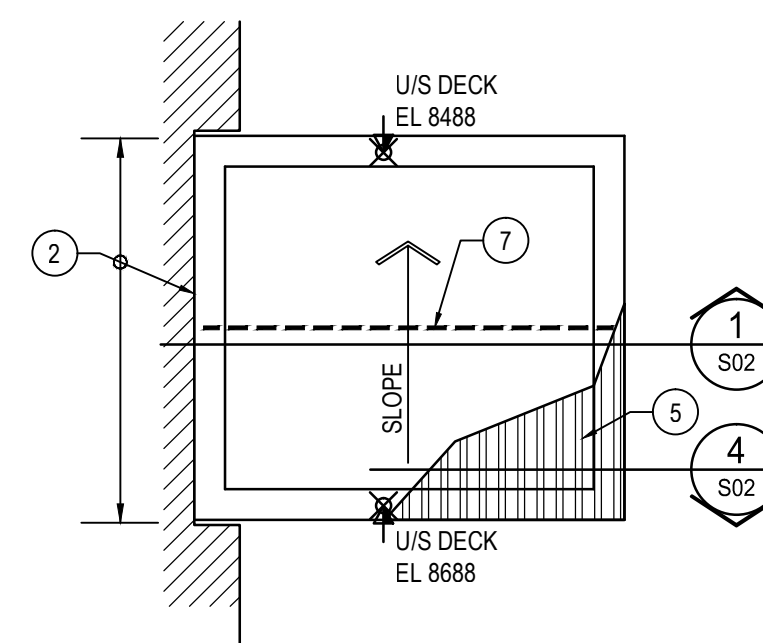
MAX. HOIST LOAD: 3500 kg (7700 POUNDS)

- PL4.8x100 CONT. c/w 10mmØ NELSON STUD  
100mm LONG @ 400
- 190 LOW WEB BOND BEAM ALL AROUND c/w 2-10M CONTINUOUS
- N/A
- NEW BLOCK WORK. PROVIDE REINFG AS PER NOTE 25
- GROUT CORE(S) FULL HEIGHT UNDER BEAM SOLID c/w 1-20M VERT. DRILL & EPOXY MIN. 150mm INTO EXISTING CONCRETE BEAM EACH GROUTED CORE (OR MECH COUPLER 20M TO EXISTING DOWEL AS PER NOTE 25)
- EXISTING 190mm BLOCK
- EXISTING CONCRETE BEAM (203x406)
- SAW CUT EXISTING CONC. SLAB AT EDGE OF BLOCK DO NOT CUT INTO JOIST.
- REMOVE EXISTING PARTIAL BLOCK COURSE
- REMOVE EXISTING FULL HEIGHT BLOCKS AND/OR GROUTED CORES. AS REQUIRED TO EXPOSE VERT. REINFG. CLEAN REINFG.
- CONNECT ELEVATOR RAILS TO EXISTING CONCRETE BEAMS ONLY, USING MIN. 2-12mmØ HILTI KB-TZ ANCHORS, 89mm EMBED, EACH CONNECTION. IF REQUIRED, PROVIDE NEW MASONRY BOND BEAM TO SUIT TOP OF RAIL CONNECTION (SIM. TO NEW BOND BEAM AT TOP OF SHAFT) & SIMILAR RAIL CONNECTION

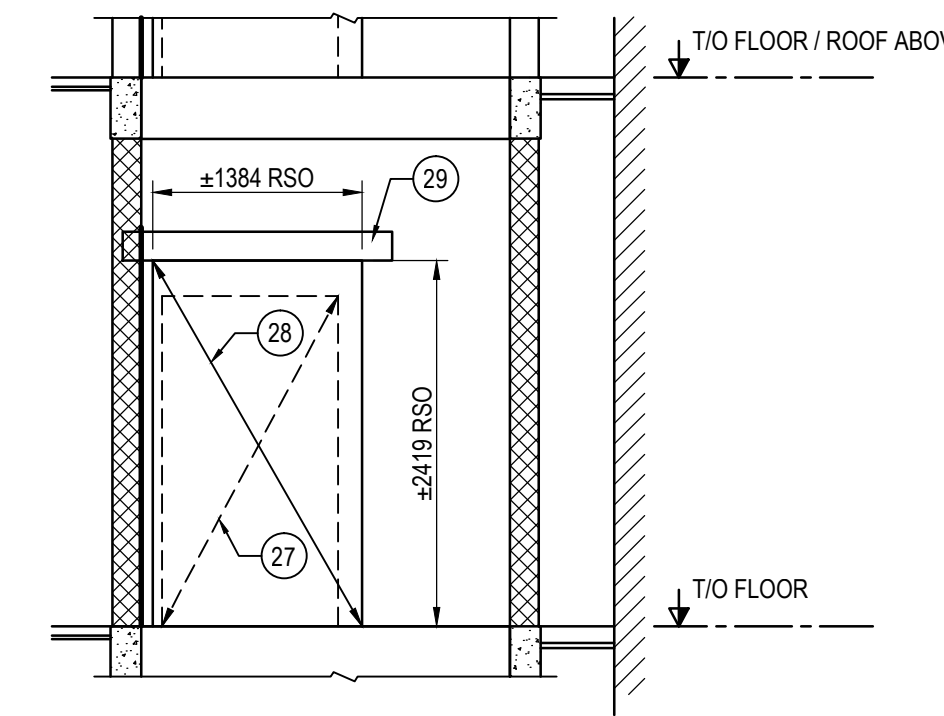
- ROYAL ATTIC
- EXISTING STONE WALL (TO BE CONFIRMED)
- EXISTING ROYAL ATTIC FLOOR BEAM
- EXISTING ROYAL ATTIC ROOF TRUSS (150Wx146D @ 2250), ROOF PURLIN (114Wx203D), ROOF JOISTS (62Wx178D @ 610), ROOF DECKING (254Wx25D) (SEE NOTE 2). DIMENSIONS ARE APPROXIMATE
- LOCATION OF ROYAL ATTIC FRAMING RELATIVE TO PRINCESS ANNE PAVILLION TO BE CONFIRMED ON SITE
- EXISTING ROYAL ATTIC FRAMING REFERRED TO IN NOTE 2 (TO BE CONFIRMED ON SITE)
- PROVIDE 20M REINFG IN GROUTED CORES TO MATCH EXISTING DOWELS c/w 90° HK AT TOP OF NEW BOND BEAM AND FULL TENSION MECHANICAL COUPLER TO EXISTING DOWELS (DAYTON SUPERIOR BARLOCK 6S/CA OR EQUAL)
- VERIFY EXISTING REINFG STEEL AND PREPARE FOR ADDITION OF NEW SPLICE COUPLER
- EXISTING ROUGH OPENING (APPROX 1165 W x 2185 H)
- NEW ROUGH OPENING
- NEW MASONRY LINTEL:  
190x190 LINTEL c/w 2-10M BOT, FILLED WITH 20MPa CONCRETE. PROVIDE MIN. 200 BEARING EACH END. DO NOT DAMAGE EXISTING REINFG IN BEARING CORES. GROUT CORES FULLY EACH END



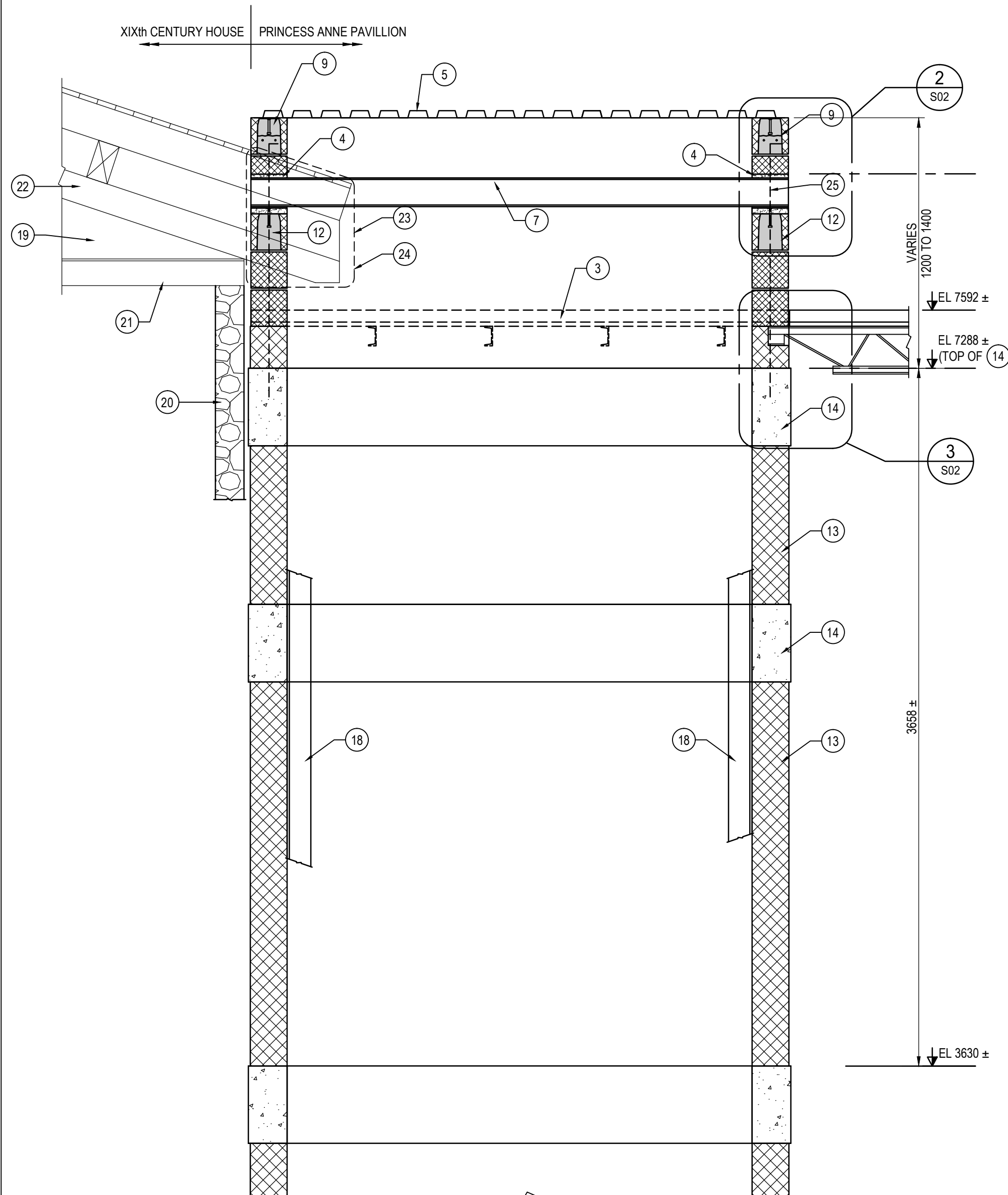
**EXISTING / DEMOLITION ROOF PLAN**  
1:50



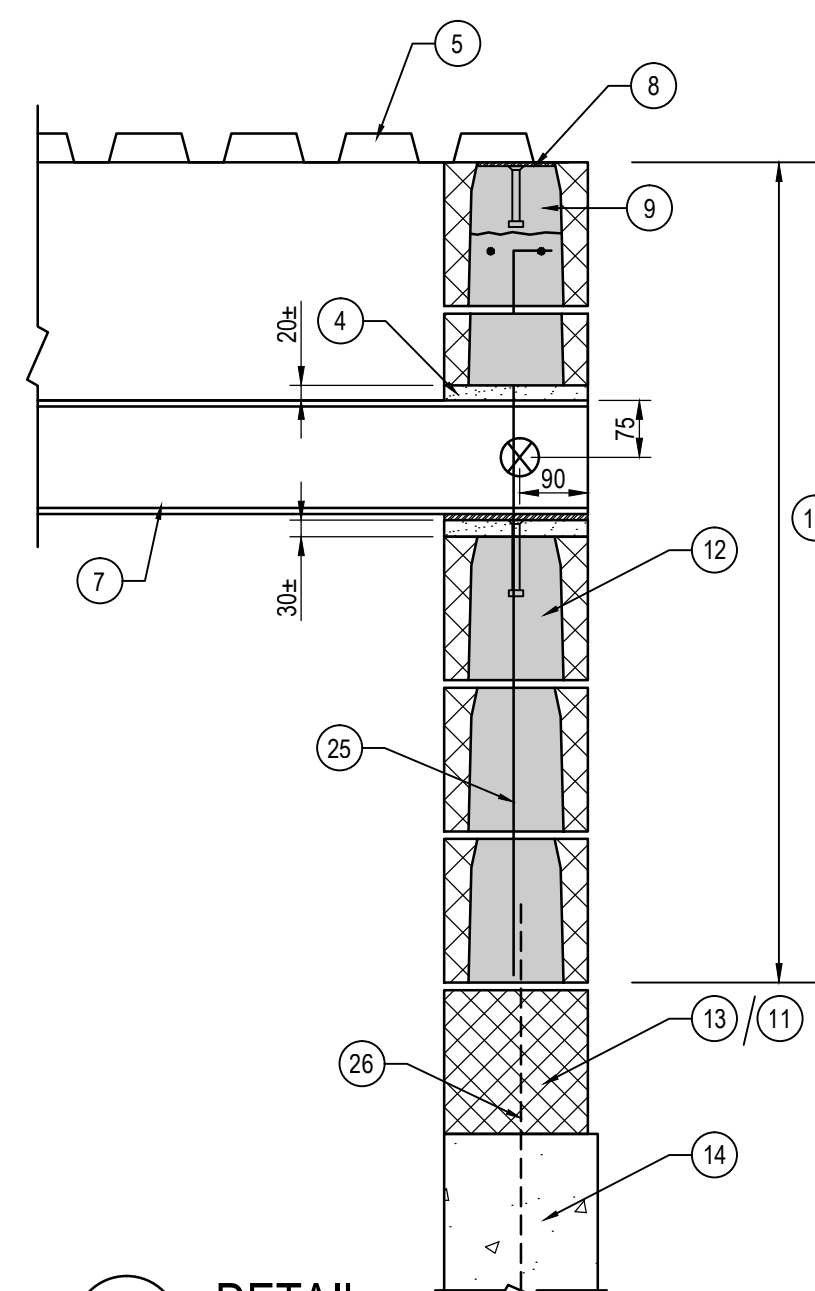
**NEW ROOF PLAN**  
1:50



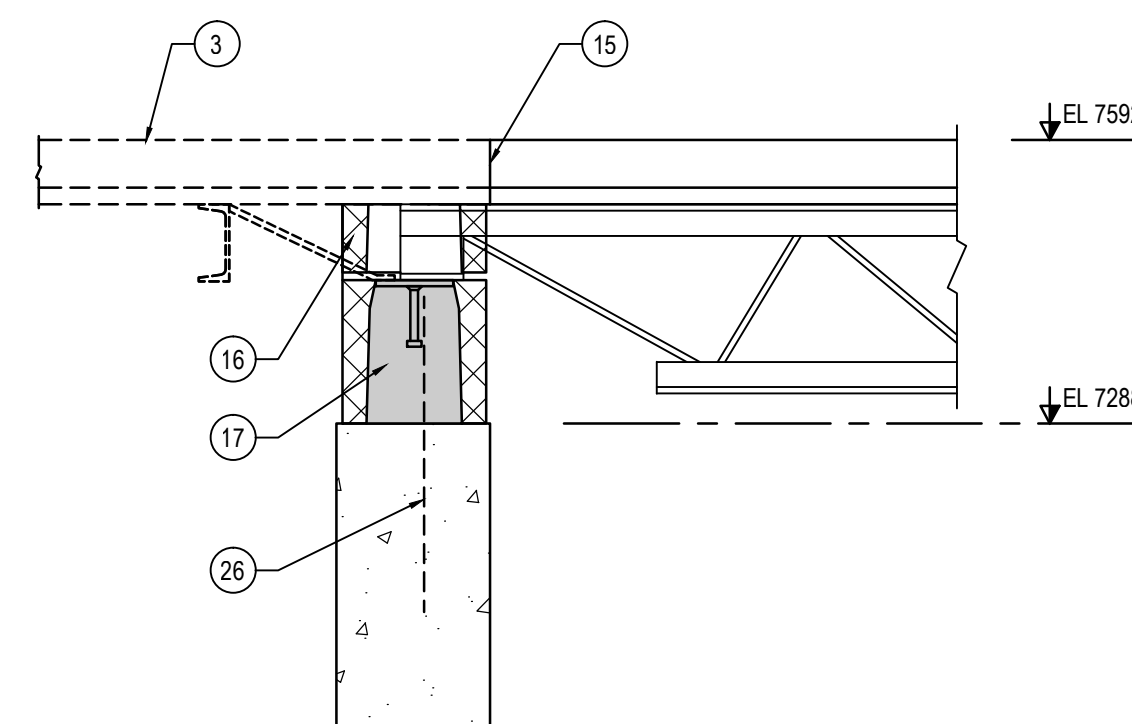
**4 TYPICAL MASONRY OPENING ENLARGEMENT (3 TOTAL)**  
1:50



**1 SECTION**  
1:20



**2 DETAIL**  
1:10



**3 DETAIL**  
1:10