

SUMMERLAND RESEARCH AND DEVELOPMENT CENTRE

ELEVATOR REPLACEMENT

4200 97 HWY SOUTH SUMMERLAND BC

PROJECT TEAM

CLIENT
AGRICULTURE AND AGRI-FOOD CANADA

MECHANICAL
FALCON ENGINEERING

PROJECT MANAGER
PUBLIC SERVICES AND PROCUREMENT CANADA

ELECTRICAL
FALCON ENGINEERING

ARCHITECT
CHERNOFF THOMPSON ARCHITECTS

ELEVATOR CONSULTANT
GUNN CONSULTANTS

DRAWING LIST

ARCHITECTURAL

A-00 COVER SHEET
A-01 LEVEL 1 - FLOOR PLAN (WEST)
A-02a LEVEL 2 - FLOOR PLAN (WEST)
A-02b LEVEL 2 - FLOOR PLAN (EAST)
A-03a MECHANICAL PENTHOUSE FLOOR PLAN (WEST)
A-03b MECHANICAL PENTHOUSE FLOOR PLAN (EAST)
A-04 PASSENGER ELEVATOR PE01 SECTION AND FLOOR PLANS
A-05 SERVICE ELEVATOR SE02 SECTION AND FLOOR PLANS (DEMOLITION)
A-06 SERVICE ELEVATOR SE02 SECTION AND FLOOR PLANS (NEW)
A-07 TYPICAL DETAILS

STRUCTURAL

S100 PLANS & SECTIONS

MECHANICAL

M10 1 FLOOR PLAN EAST - HVAC
M11 2 FLOOR PLAN WEST - HVAC
M12 PENTHOUSE PLAN - HVAC
M13 ROOF PLAN - MECHANICAL
M20 1 FLOOR PLAN EAST - HVAC DEMOLITION
M21 2 FLOOR PLAN WEST - HVAC DEMOLITION

ELECTRICAL

E-1 LEVEL 1 FLOOR PLAN, ROOM '1005' DETAIL
E-2 SECOND FLOOR PLAN - WEST, ROOM '203' DETAIL
E-3 SECOND FLOOR PLAN - EAST
E-4 THIRD FLOOR PLAN - WEST, FIRE ALARM ANNUNCIATOR PICTURE
E-5 THIRD FLOOR PLAN - EAST
E-6 FOURTH FLOOR PLAN - WEST, FIRE ALARM RISER DIAGRAM
E-7 FOURTH & PENTHOUSE FLOOR PLANS - EAST
E-8 EQUIPMENT SCHEDULE, DETAIL, DISTRIBUTION

GENERAL CONSTRUCTION NOTES

- THESE NOTES APPLY TO ALL DRAWINGS.
- THIS IS A COPYRIGHT DRAWING AND DESIGN, AND SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION.
- CHECK AND VERIFY ALL DIMENSIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE CONSULTANT PRIOR TO COMMENCING WORK.
- THESE DRAWINGS ARE NOT TO BE SCALED.
- ALL DIMENSIONS, UNLESS OTHERWISE NOTED, ARE METRIC.
- ALL MATERIALS TO MEET FLAME SPREAD RATING REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
- ALL WORK TO BE COMPLETED TO MEET THE APPLICABLE LOCAL BUILDING CODES, AND LOCAL HEALTH AND FIRE REGULATIONS.
- ALL WALL DIMENSIONS ARE TO THE CENTRE LINE OF STUD UNLESS OTHERWISE NOTED.
- TOUCH UP AND MAKE GOOD ALL EXISTING WALLS TO REMAIN SUITABLE TO RECEIVE NEW PAINT FINISH.
- RATED WALL ASSEMBLIES ARE INDICATED IN AN ABBREVIATED FORMAT, SEE REFERENCED DESIGN NUMBER LISTING (IE ULC) FOR FULL ASSEMBLY.
- PROVIDE NEW CONTINUOUS FIRE RETARDANT TREATED PLYWOOD BACKING (FSR<25, SMOKE DEVELOPMENT=0) ON WALLS FOR ALL NEW ITEMS SECURED TO WALLS, INCLUDING ELECTRICAL PANEL, MILLWORK AND CASEWORK, DOOR STOPS, TACK AND WHITE BOARDS, SCREENS, ALL WASHROOM ACCESSORIES AND MISC. WALL FIXTURES, WHETHER THEY ARE INSTALLED BY OWNER OR BY CONTRACTOR.
- FIRESTOP ALL EXISTING AND NEW SERVICE PENETRATIONS THROUGH FLOOR SLAB AND VERTICAL FIRE SEPARATION.
- ALL FIRE SEPARATION TO BE CONSTRUCTED TO THE U/S OF STRUCTURAL SLAB, OR EXTERIOR WALL.
- WALL TYPES ARE TO BE CONTINUOUS ABOVE & BELOW WINDOWS AND DOORS UNO.
- FOR ALL EXISTING AND NEW ITEMS WITHIN THE PROJECT AREA, PROVIDE SEISMIC RESTRAINT TO ALL CEILING SUPPORTING FIXTURES SUCH AS OVERHEAD MECHANICAL DUCTS, AND EQUIPMENT, OVERHEAD ELECTRICAL CONDUITS AND LIGHTS.

GENERAL DEMOLITION NOTES

- DEMOLITION DRAWING ONLY SHOWS THE GENERAL SCOPE OF DEMOLITION. ALSO REFER TO OTHER ARCHITECTURAL DETAIL DRAWINGS, MECHANICAL & ELECTRICAL DRAWINGS FOR FULL SCOPE OF DEMOLITION WORKS REQUIRED TO PRODUCE NEW LAYOUT. CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING AND CARRYING OUT ALL NECESSARY DEMOLITION NOT SHOWN IN THE DEMOLITION PACKAGE IN ORDER TO PRODUCE NEW LAYOUT.
- ALL DEMOLISHED MATERIAL AND DEBRIS TO BE REMOVED PROMPTLY FROM SITE AND DISPOSED OF IN A LEGAL MANNER.
- SELLING OF ANY MATERIALS ON SITE IS NOT PERMITTED.
- MAKE GOOD DAMAGED AREA AND FIXTURES OR REPLACED WITH NEW WHICH ARE TO BE RETAINED AS SHOWN IN DRAWING.
- COMPLY WITH ALL BYLAWS AND ACQUIRE ALL NECESSARY PERMIT.
- COMPLY WITH ALL WORKER'S COMPENSATION BOARD OF BC, ACCIDENT PREVENTION REGULATIONS.
- DEMOLISH ALL EXPOSED & HIDDEN ELECTRICAL, MECHANICAL & PLUMBING FIXTURES, ENCLOSED CONDUITS AND PIPINGS, & OTHER FIXTURES AND FINISHES THAT ARE NOT TO BE REUSED ASSOCIATED WITH DEMOLITION OF WALLS.

BUILDING CODE ANALYSIS

APPLICABLE BUILDING CODE: NATIONAL BUILDING CODE 2015 PART3

MAJOR OCCUPANCY: GROUP F2 (MEDIUM HAZARD INDUSTRIAL OCCUPANCY)

NO. OF STREETS FACING: 1

BUILDING AREA: 418 SQ.M

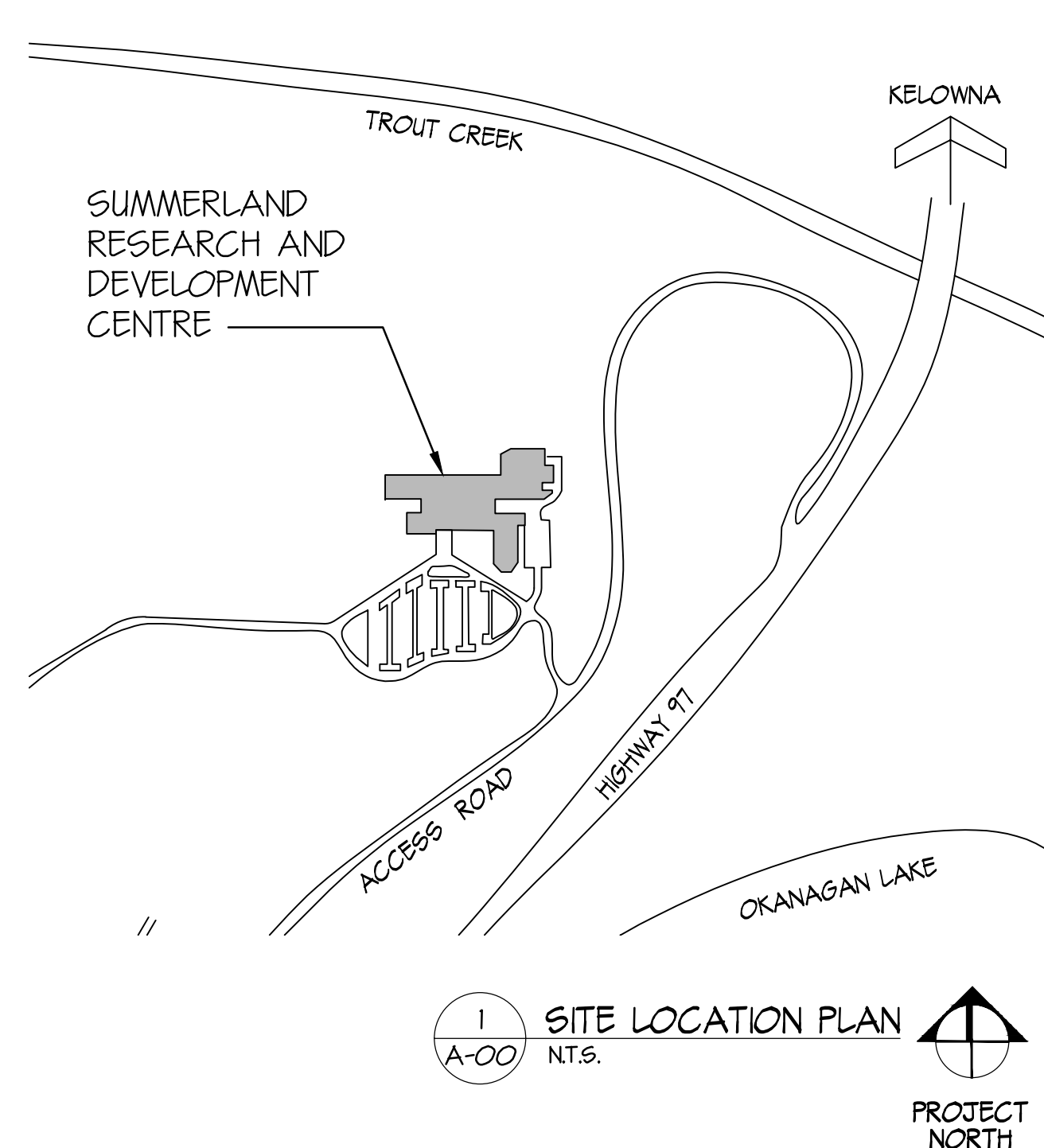
BUILDING HEIGHT: 4 STOREYS

BUILDING CODE CLASSIFICATION: 3.2.2.71 (GROUP F2 UP TO 4 STOREYS, SPRINKLERED)

CONSTRUCTION TYPE: NON-COMBUSTIBLE, 45 MIN. FRR FLOOR ASSEMBLY, LOADBEARING ELEMENTS SUPPORTING FLOOR TO HAVE SAME RATING

SPRINKLER: PROVIDED ACCORDING TO NFPA-B (EXISTING)

FIRE ALARM SYSTEM: SINGLE STAGE, MONITORED (EXISTING)



ARCHITECTURAL SYMBOLS

1 A-00 DRAWING TITLE 1:100 DRAWING IDENTIFICATION

1 A GRID LINES

1 A-00 SECTION MARKERS

1 A-00 BUILDING SECTION

1 A-00 INTERIOR ELEVATION MARKERS

1 A-00 DETAIL REFERENCE

1 A-00 WALL TYPE IDENTIFICATION

1 A-00 DOOR NUMBER IDENTIFICATION

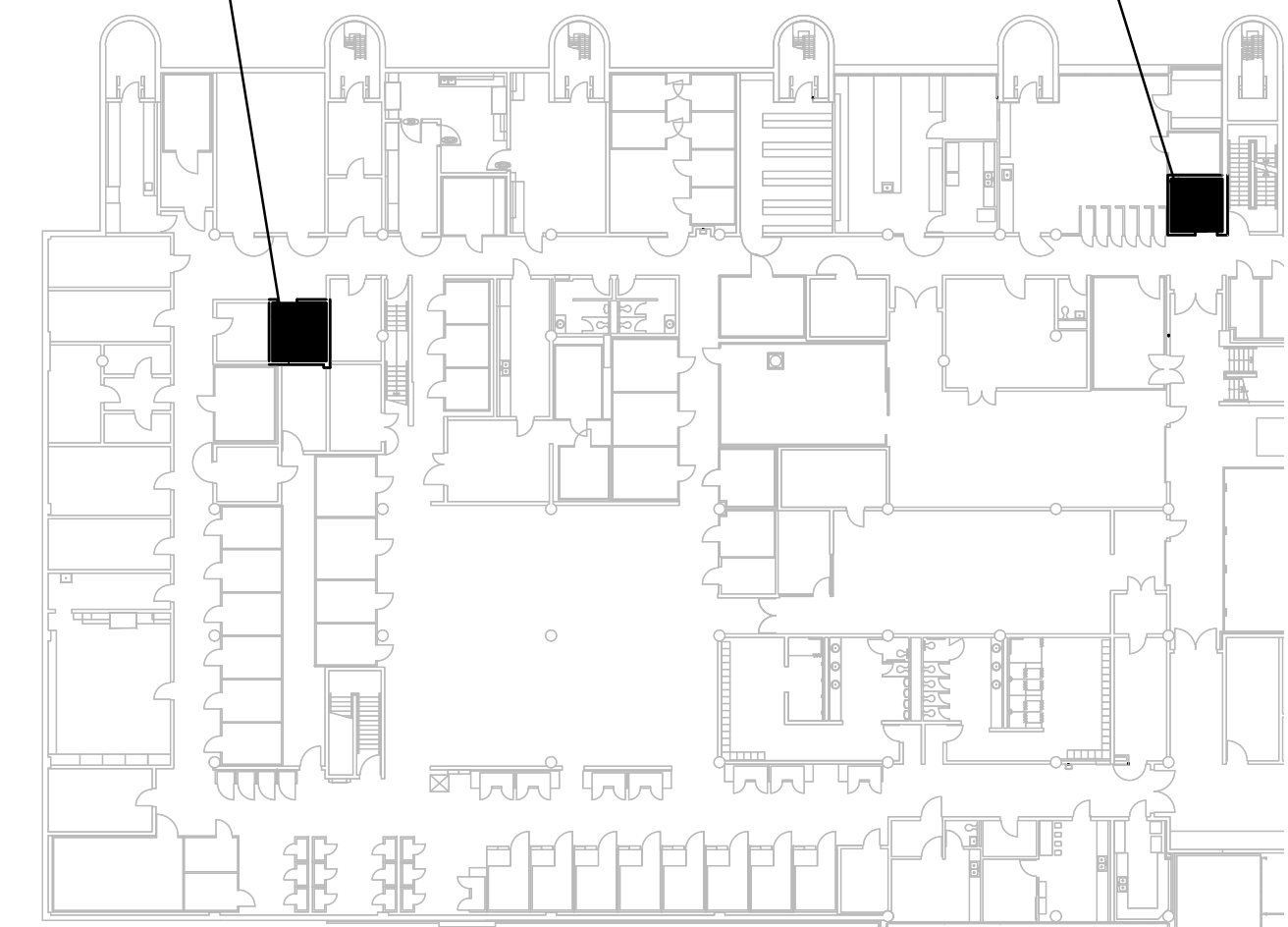
1 A-00 ROOM NAME & NUMBER IDENTIFICATION

1 A-00 CEILING HEIGHT IDENTIFICATION

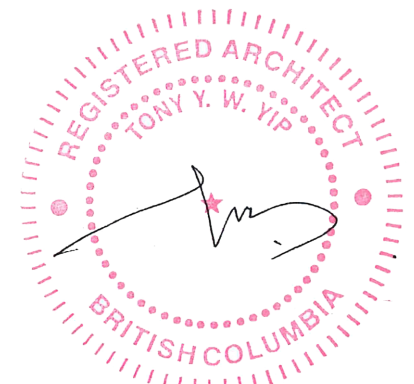
1 A-00 CONSTRUCTION NOTE REFERENCE

PASSENGER ELEVATOR PE01

SERVICE ELEVATOR SE02



2 A-00 ELEVATOR LOCATION PLAN NT.S.



Revision/	Description/Description	Date/Date
2	ISSUED FOR TENDER	APR 26, 2019
1	ISSUED FOR 99% REVIEW	FEB 28, 2019
0	ISSUED FOR 50% REVIEW	OCT 16, 2018

Client/client

Agriculture & Agri-Food Canada

Project title/Titre du projet
4200 HWY#97
Summerland, BC V0H 1Z0

Elevator Replacement at Summerland Research and Development Centre

Consultant Signature Only

Designed by/Concept par
TY
Drawn by/Dessiné par
PM
PWGSC Project Manager/Administrateur de Projets TPSGC
Philip Fung
Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
Preestipal Paul
Drawing title/Titre du dessin

COVER SHEET

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.099799.001	A-00 OF XX	2



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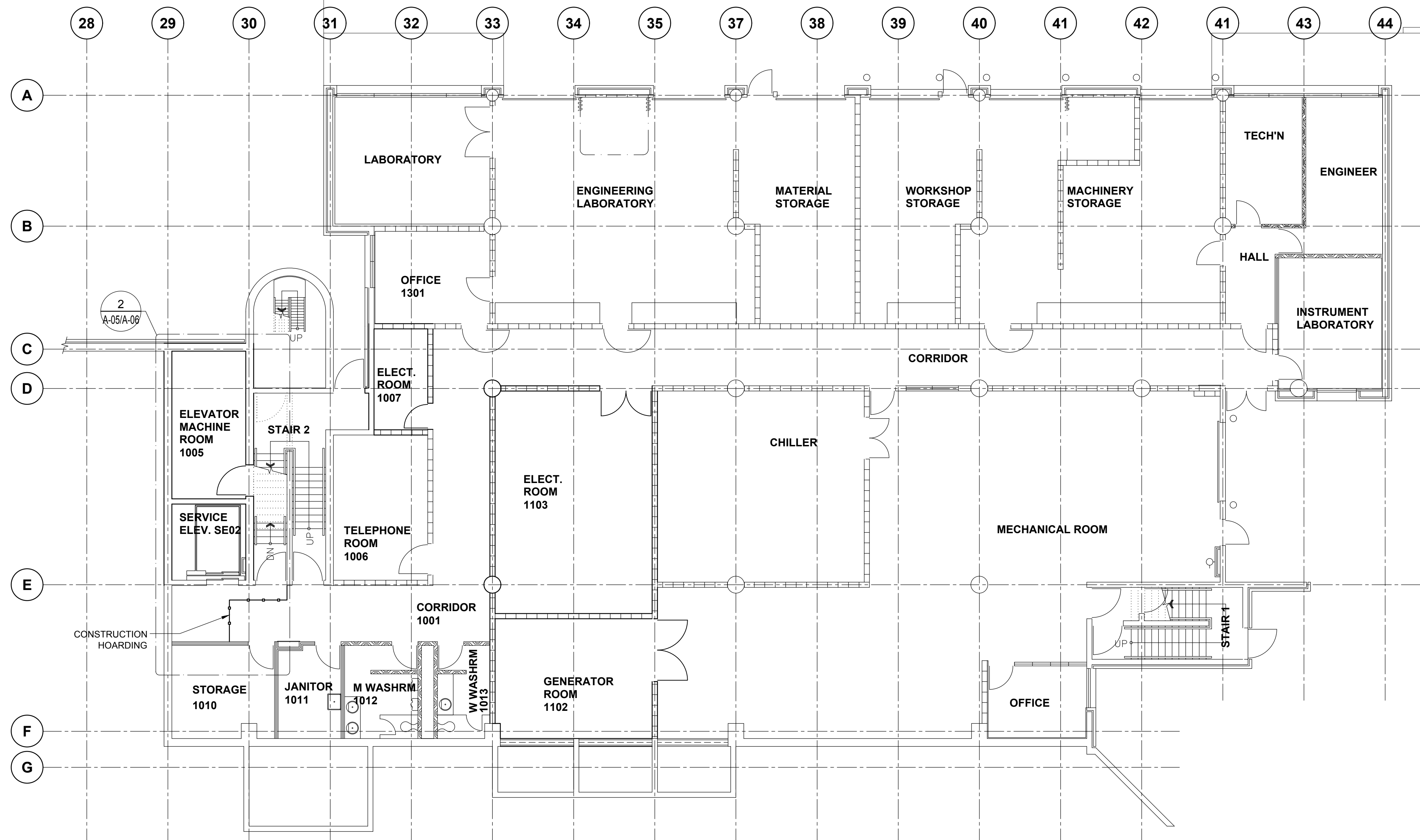
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LEVEL 1 - FLOOR PLAN (WEST)

Project No./No. du
projet
R.099799.001

Sheet/Feuille
A-01
OF XX

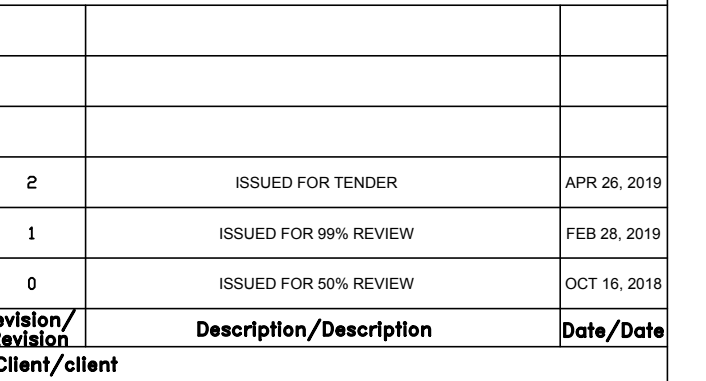
Revision no./
La Révision
no.
2



CONSTRUCTION HOARDING

DUST-PROOF CONSTRUCTION HOARDING C/W 2X4 WOOD OR STEEL
STUD WITH PLYWOOD TO U/S OF STRUCTURE OR T-BAR CEILING
CONSTRUCTION ACCESS DOOR TO BE SOLID CORE WOOD DOOR.
C/W WEATHER STRIP ON ALL SIDES.

1 LEVEL 1 - FLOOR PLAN
A-01 1:100

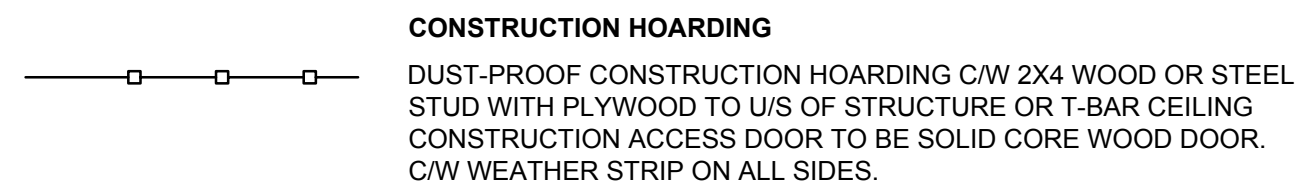


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SOUTH SUMMERLAND BC

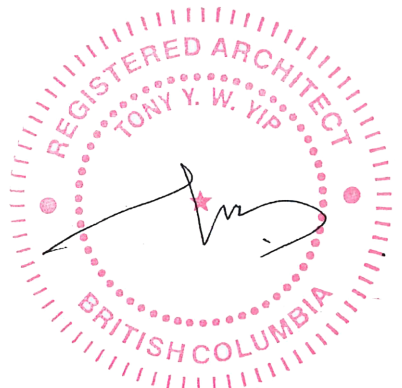
**SUMMERLAND
ELEVATOR REPLACEMENT**

LEVEL 2 - FLOOR PLAN (WEST)

Revision no./ La Révision no.	2
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KEY PLAN
N T S



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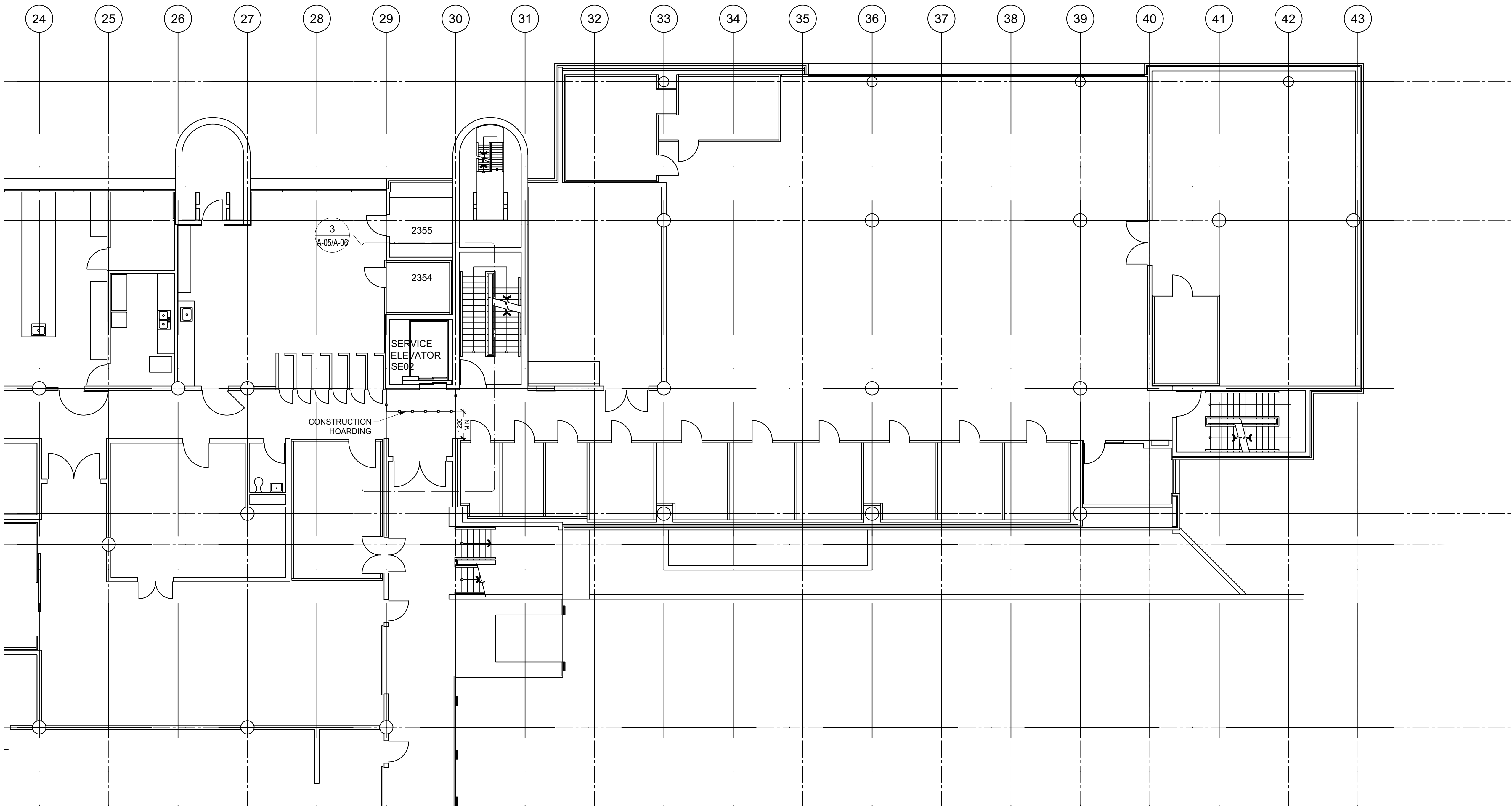
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LEVEL 2 - FLOOR PLAN (EAST)

Project No./No. du
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R.099799.001

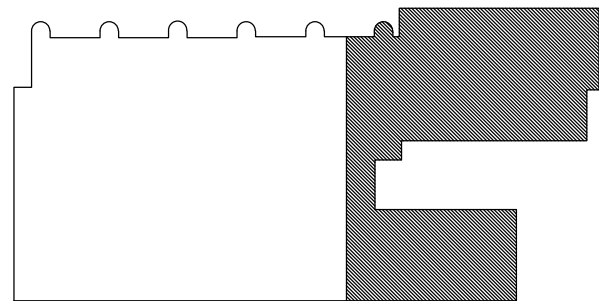
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A-02b
OF XX

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La Révision
no.
2

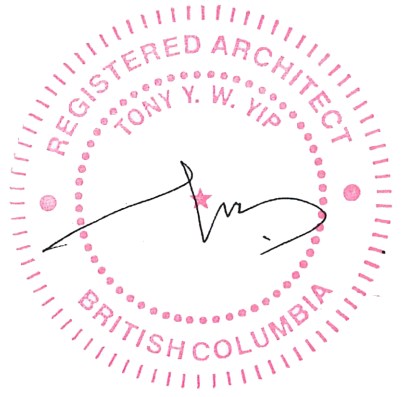


CONSTRUCTION HOARDING
DUST-PROOF CONSTRUCTION HOARDING C/W 2X4 WOOD OR STEEL
STUD WITH PLYWOOD TO U/S OF STRUCTURE OR T-BAR CEILING
CONSTRUCTION ACCESS DOOR TO BE SOLID CORE WOOD DOOR.
C/W WEATHER STRIP ON ALL SIDES.

1
A-02b
LEVEL 2 - FLOOR PLAN (EAST)
1:100



KEY PLAN
N T S



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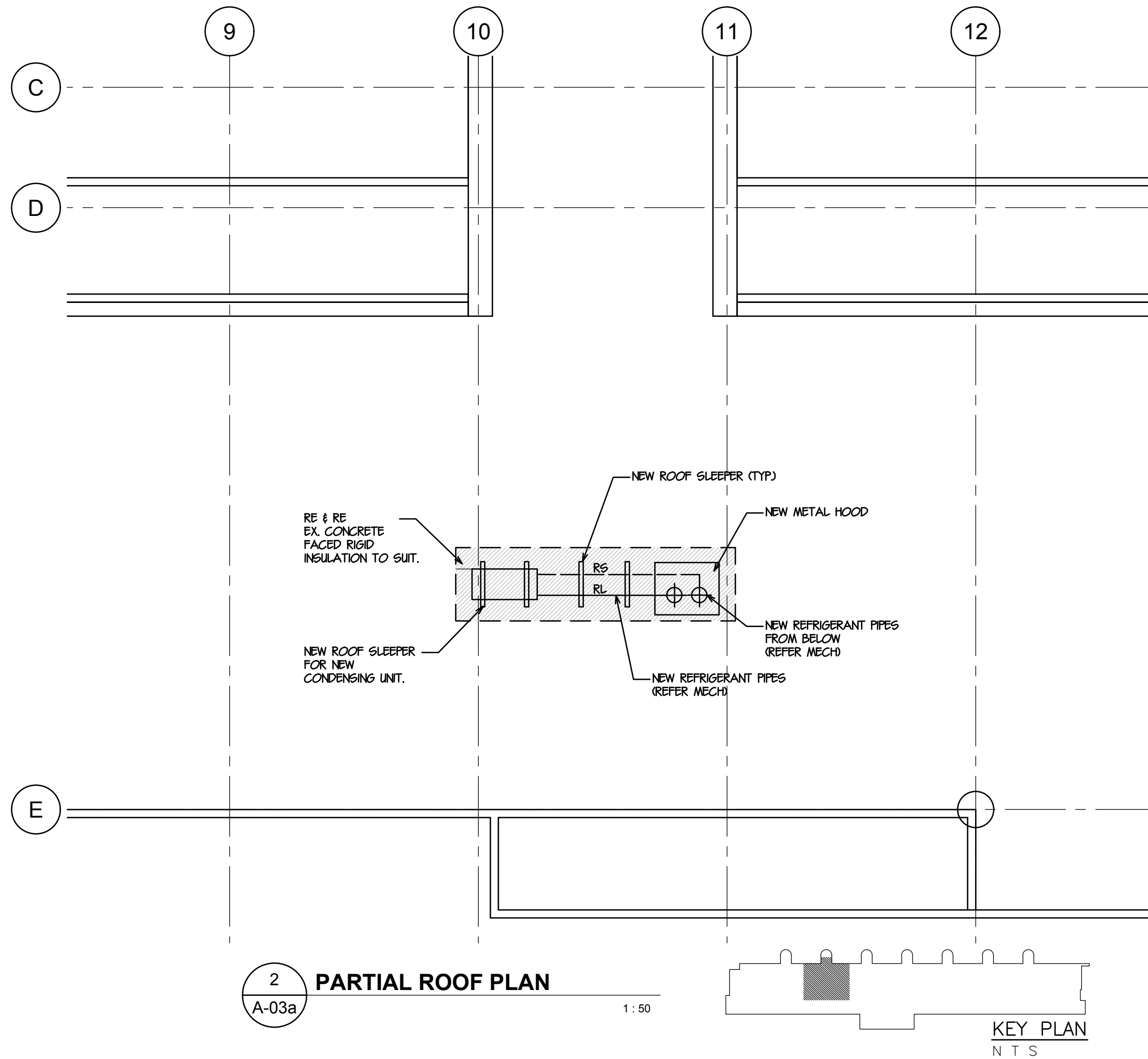
Drawing title/Titre du dessin

MECHANICAL PENTHOUSE
FLOOR PLAN (WEST)

Project No./No. du
projet
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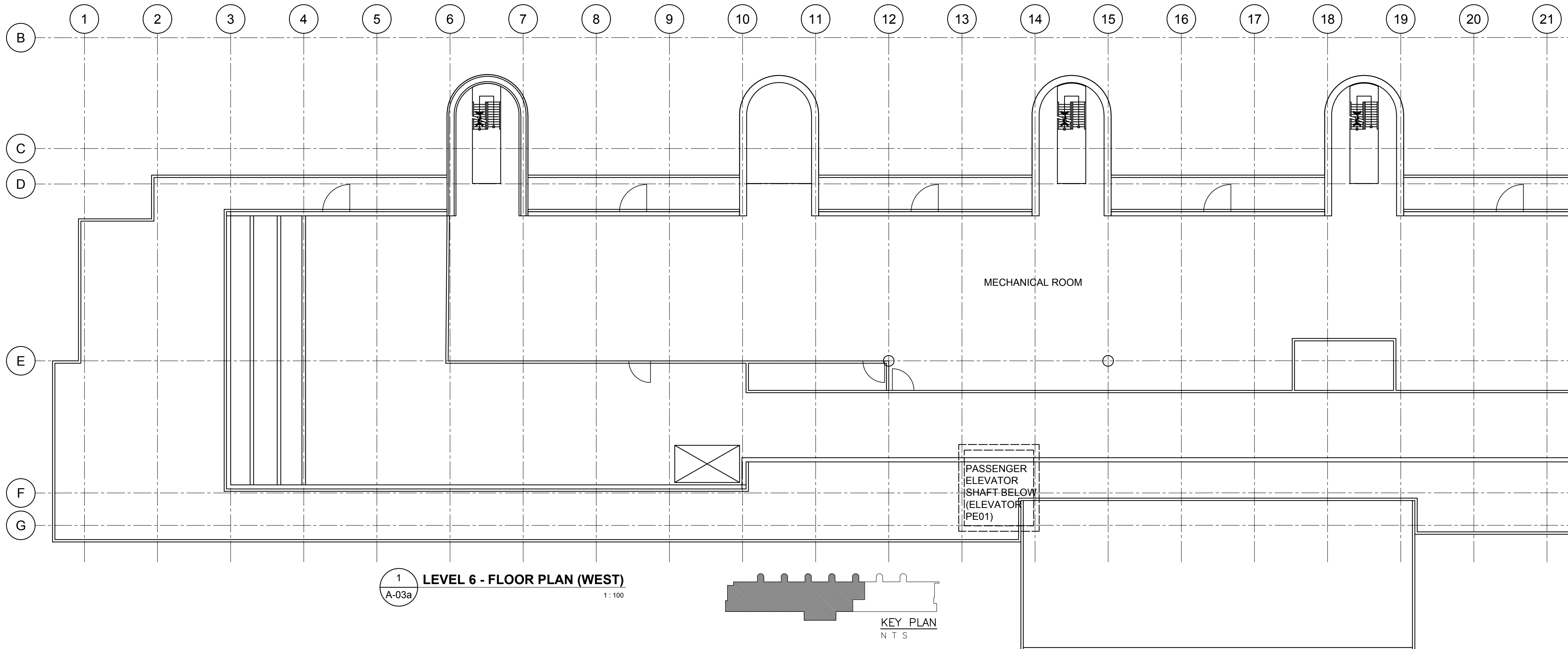
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A-03a
OF XX

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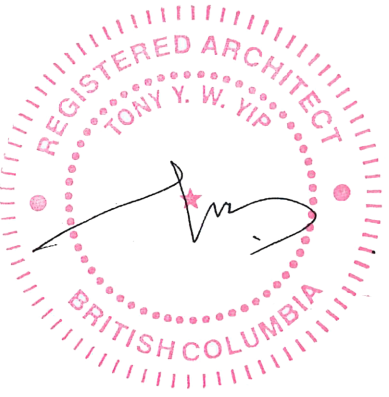
2 PARTIAL ROOF PLAN
A-03a 1:50

KEY PLAN
N T S



1 LEVEL 6 - FLOOR PLAN (WEST)
A-03a 1:100

KEY PLAN
N T S



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MECHANICAL PENTHOUSE
FLOOR PLAN (EAST)

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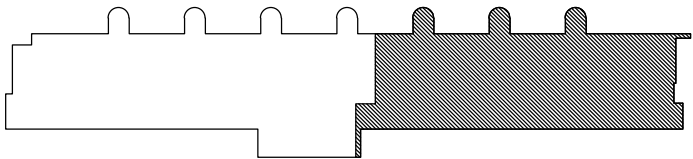
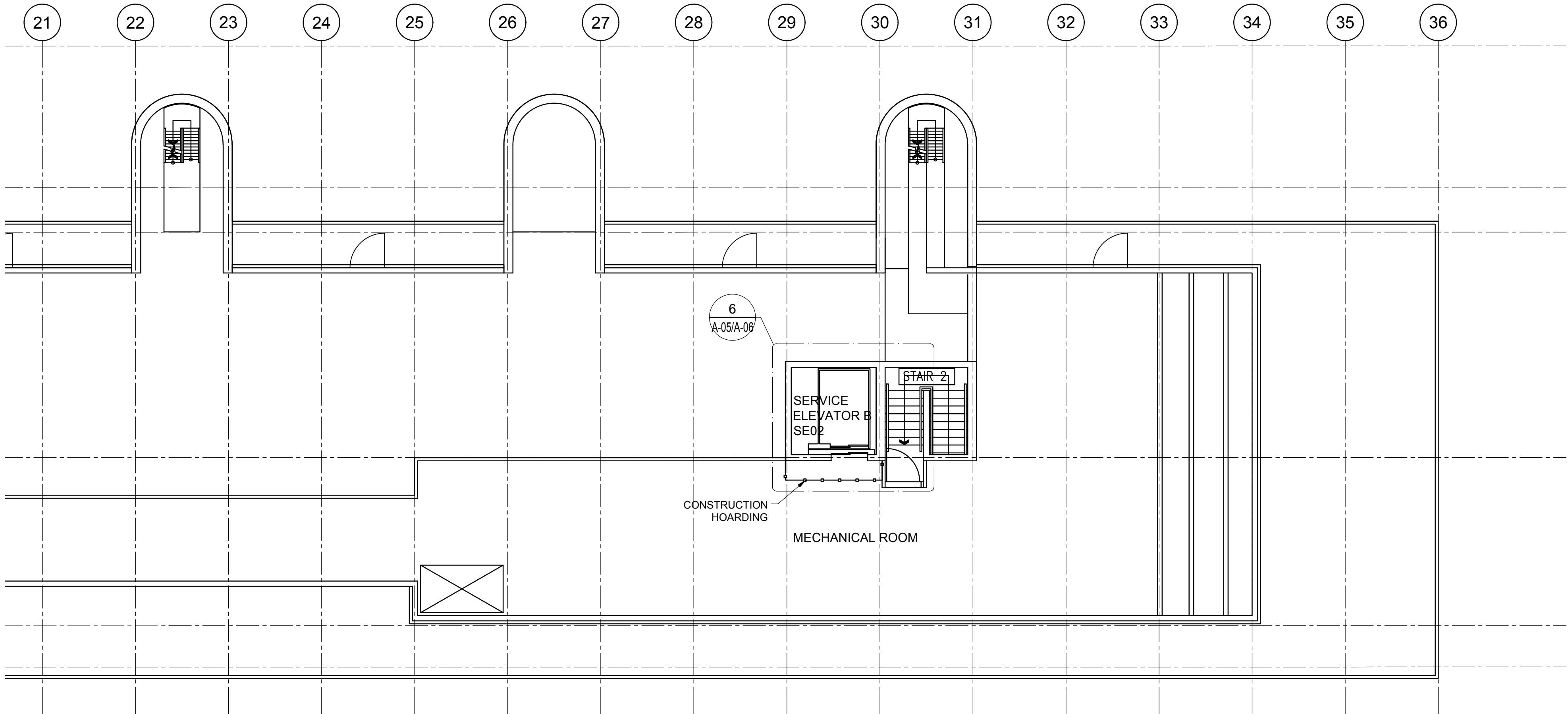
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A-03b

OF XX

Revision no./
La Révision
no.

2



KEY PLAN
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KEY PLAN
N T S



CONSTRUCTION HOARDING

DUST-PROOF CONSTRUCTION HOARDING C/W 2X4 WOOD OR STEEL
STUD WITH PLYWOOD TO U/S OF STRUCTURE OR T-BAR CEILING
CONSTRUCTION ACCESS DOOR TO BE SOLID CORE WOOD DOOR.
C/W WEATHER STRIP ON ALL SIDES.

1
A-03a

LEVEL 6 - FLOOR PLAN (EAST)

1:100



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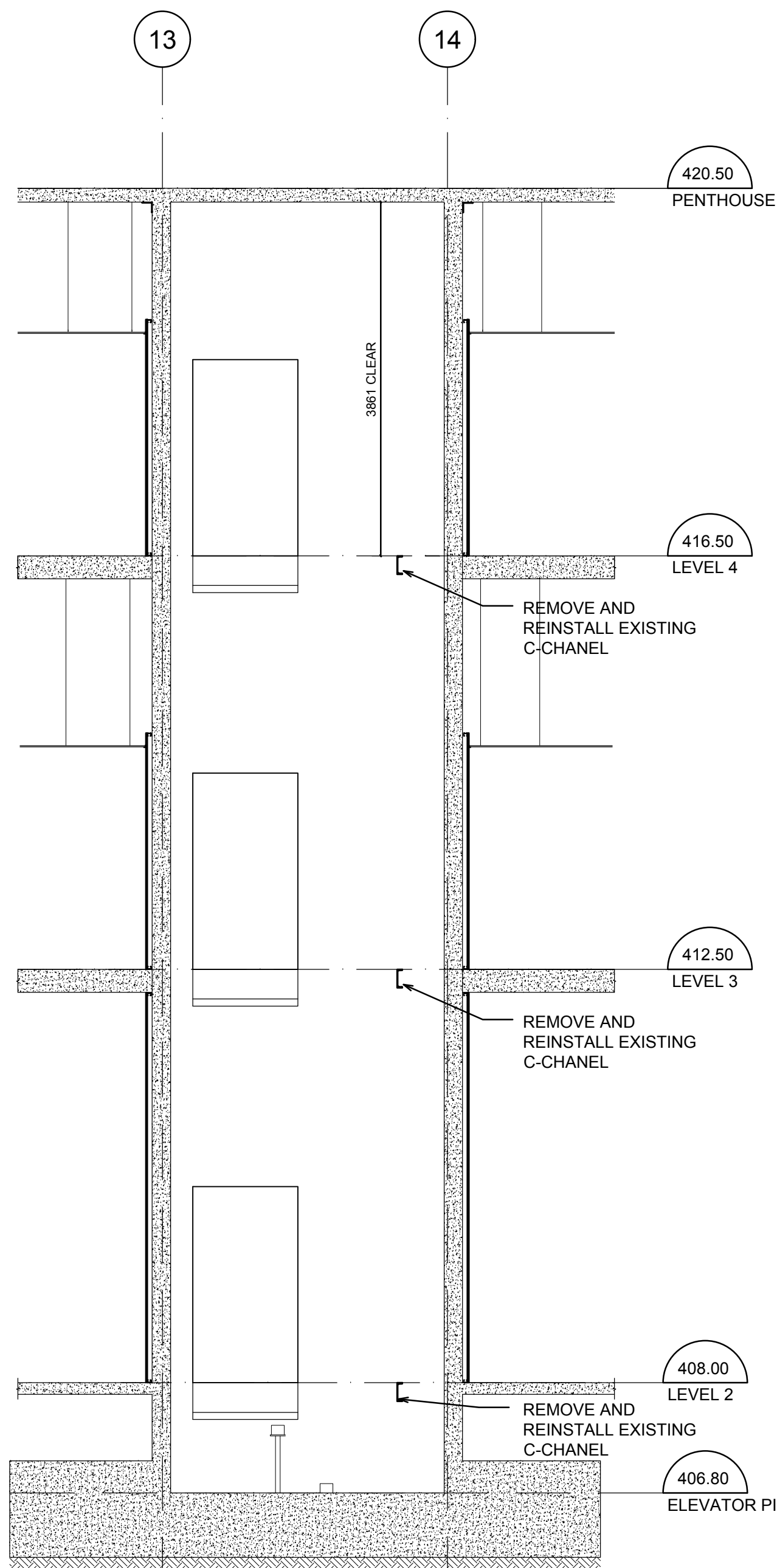
Drawing title/Titre du dessin

**PASSENGER ELEVATOR PE01
SECTION AND FLOOR PLANS**

Project No./No. du
projet
R.099799.001

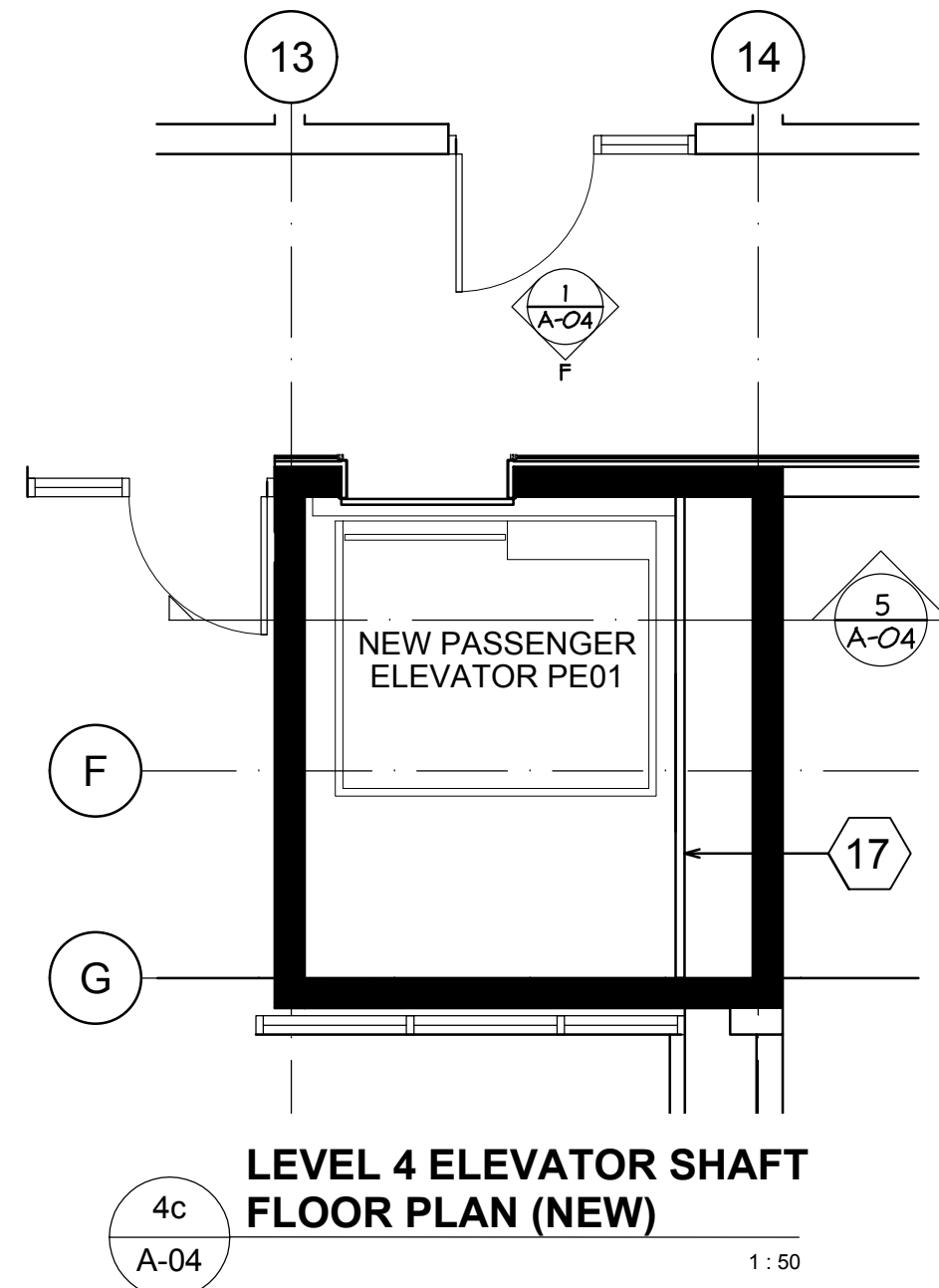
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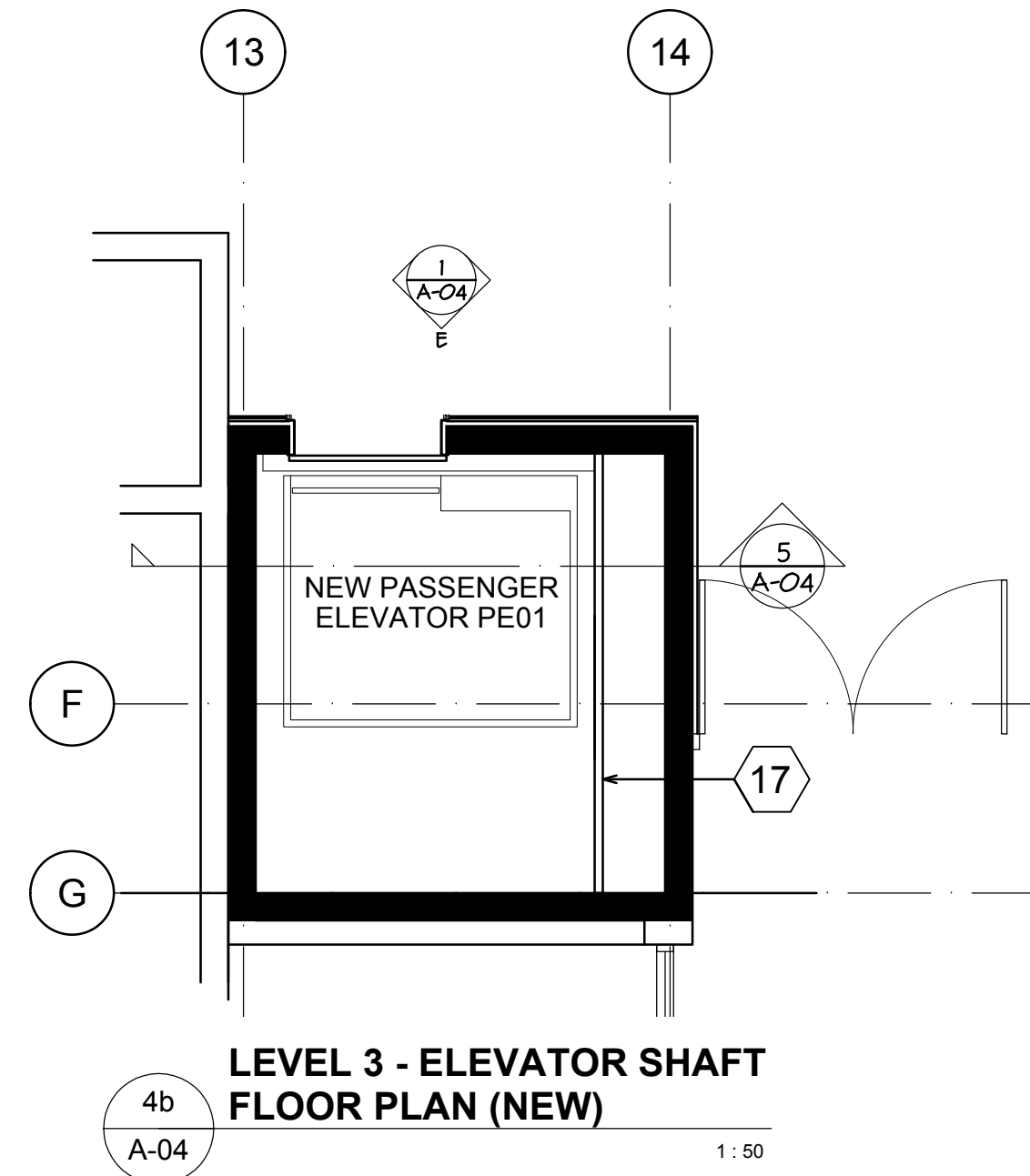
**ELEVATOR SHAFT
TYPICAL SECTION**

1:50



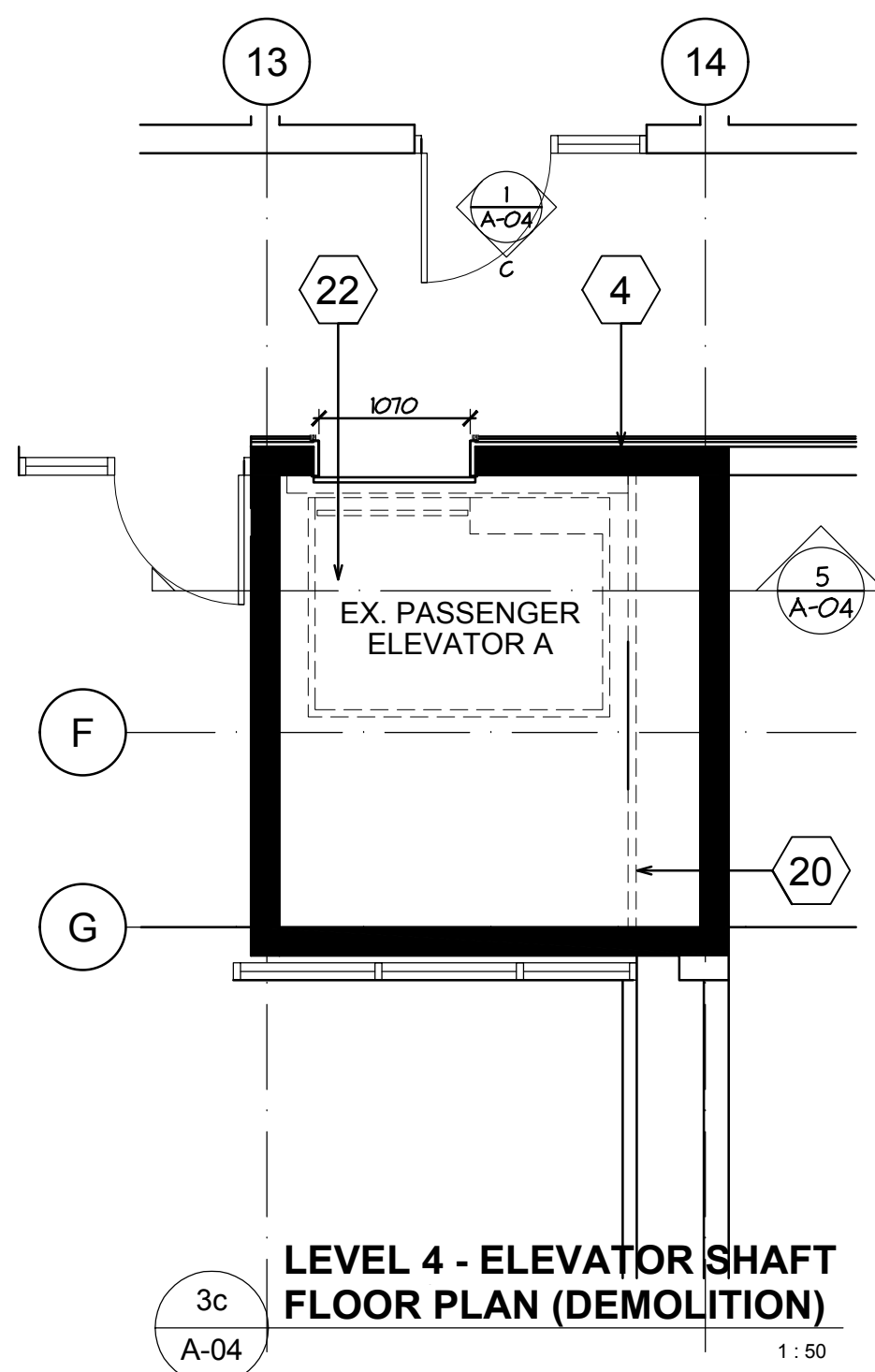
**LEVEL 4 ELEVATOR SHAFT
FLOOR PLAN (NEW)**

1:50



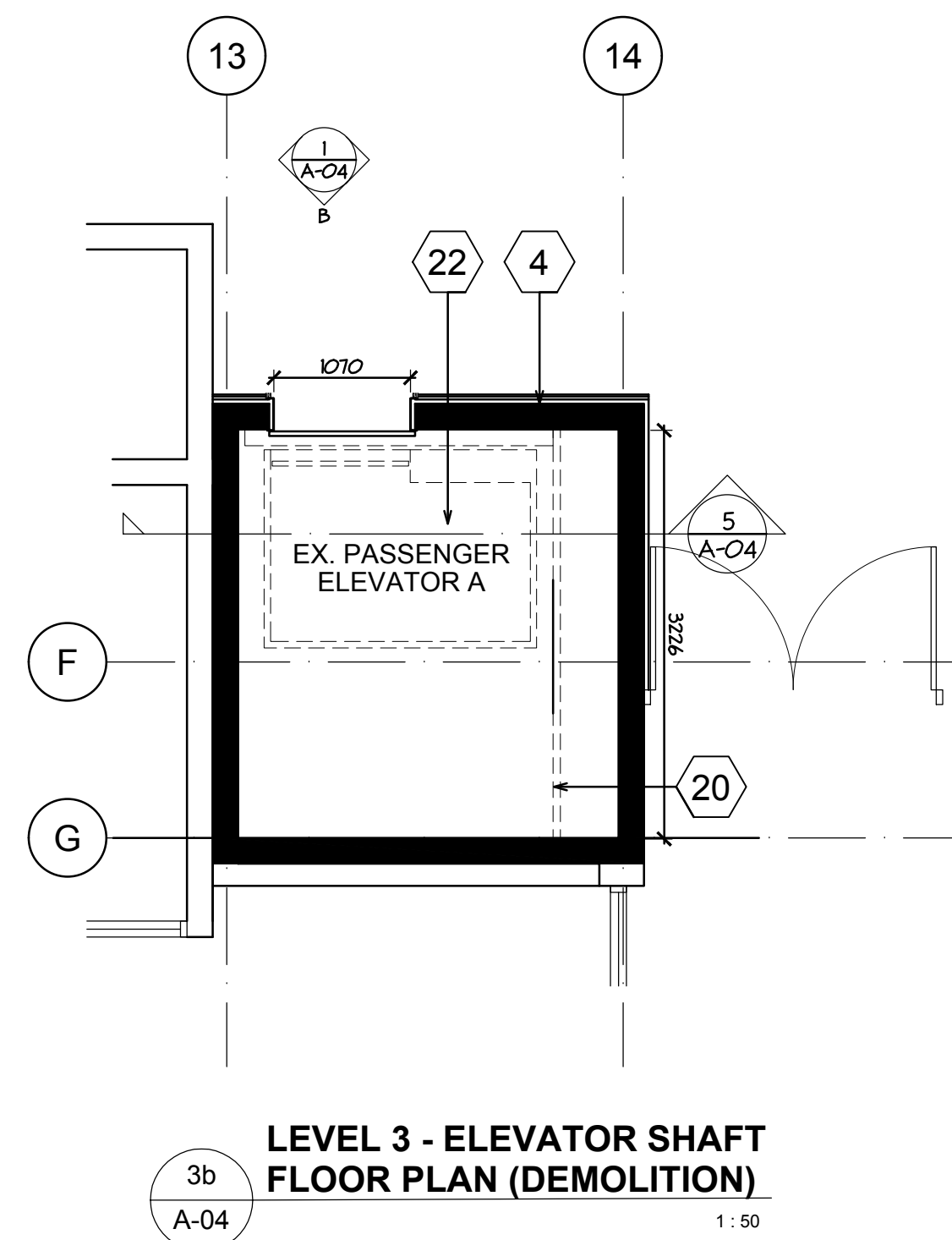
**LEVEL 3 - ELEVATOR SHAFT
FLOOR PLAN (NEW)**

1:50



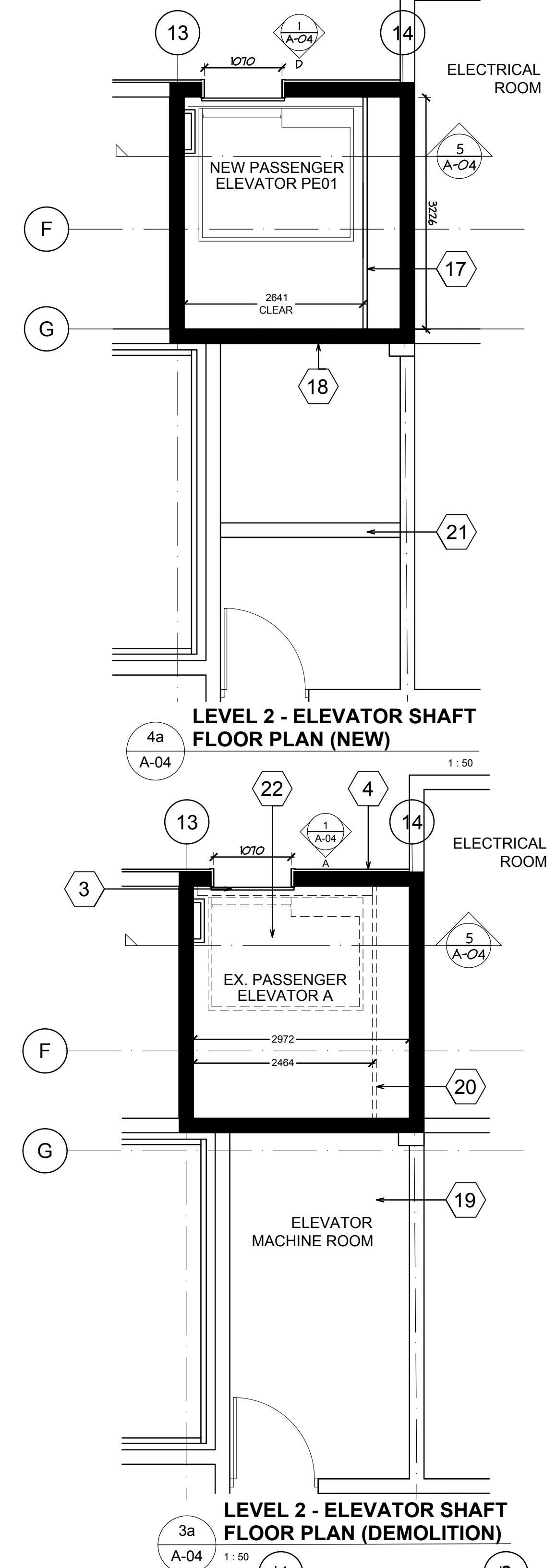
**LEVEL 4 - ELEVATOR SHAFT
FLOOR PLAN (DEMOLITION)**

1:50



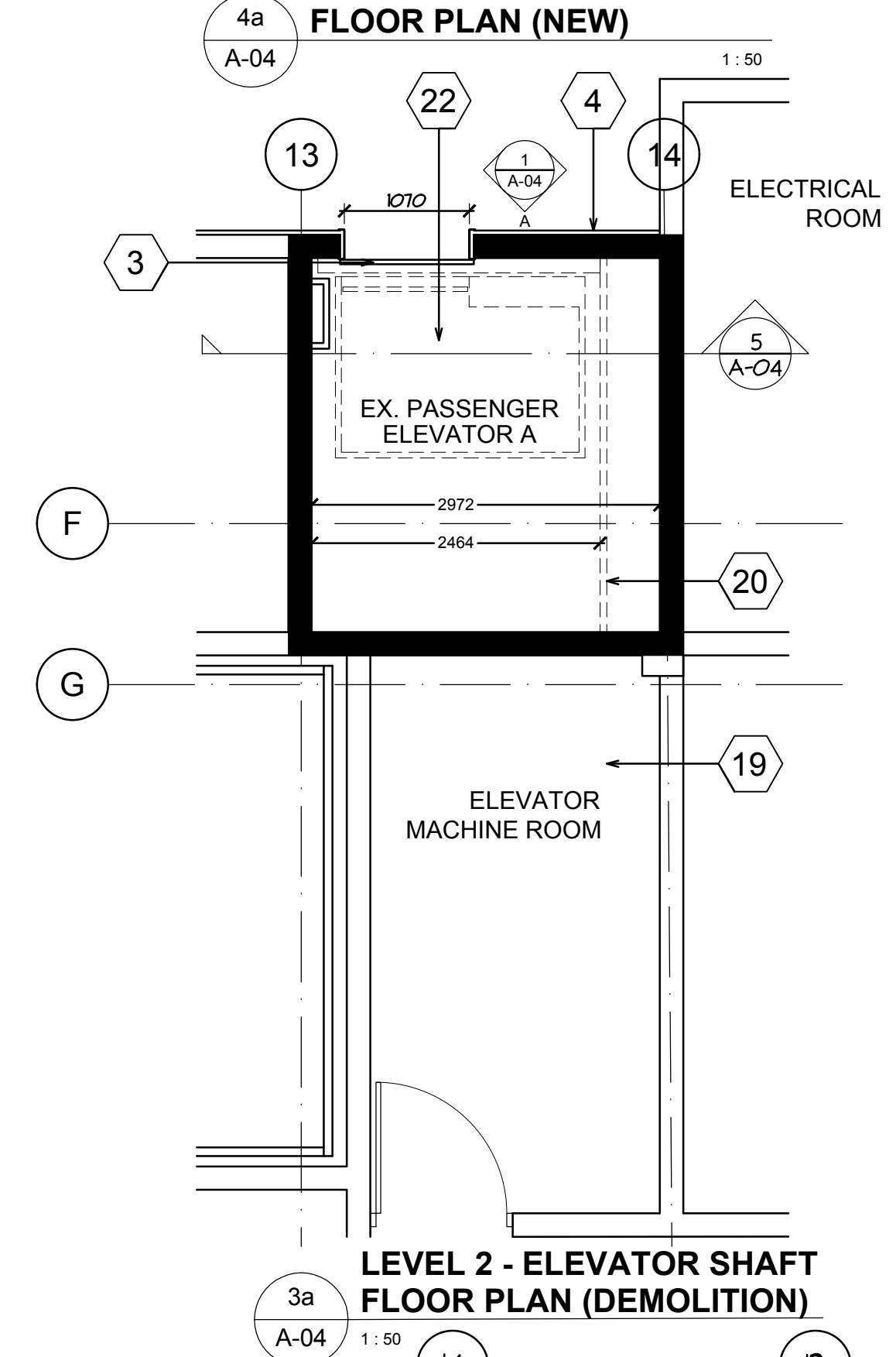
**LEVEL 3 - ELEVATOR SHAFT
FLOOR PLAN (DEMOLITION)**

1:50



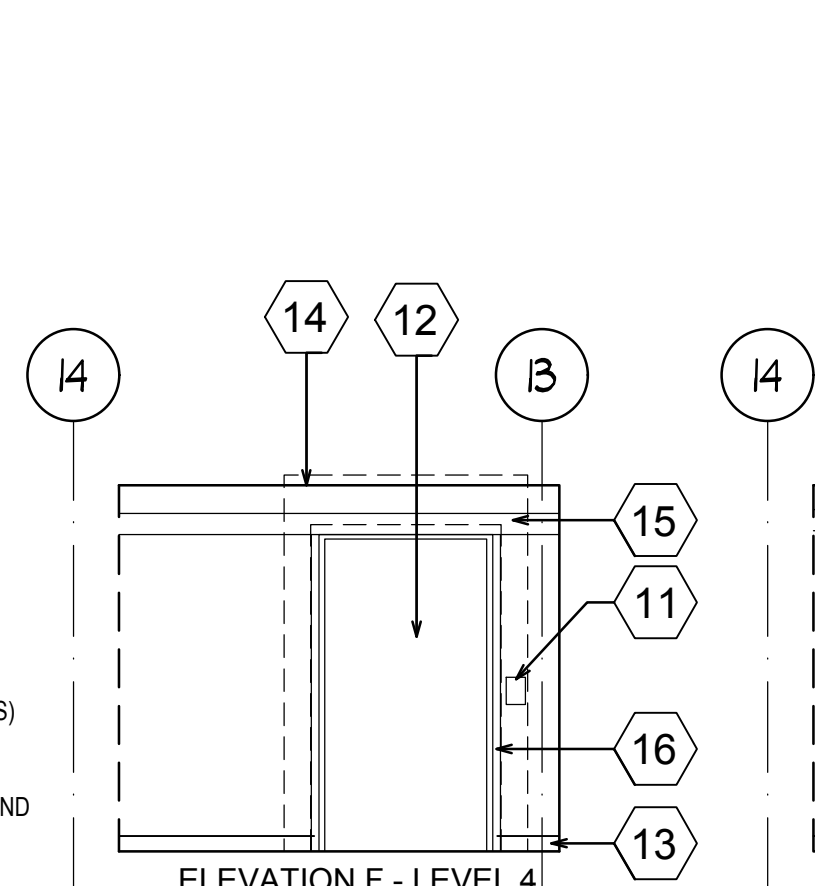
**LEVEL 2 - ELEVATOR SHAFT
FLOOR PLAN (NEW)**

1:50

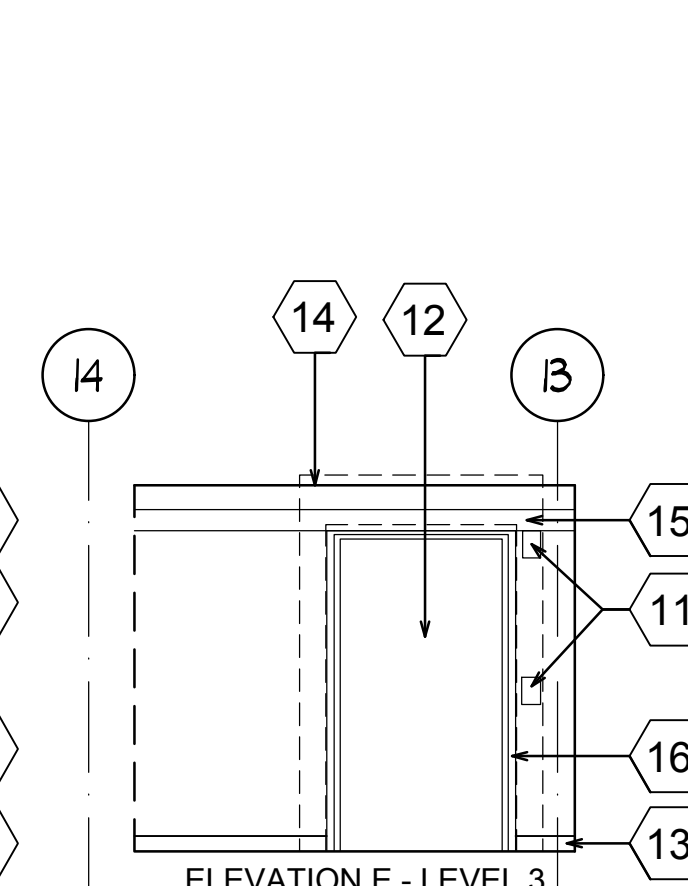


**LEVEL 2 - ELEVATOR SHAFT
FLOOR PLAN (DEMOLITION)**

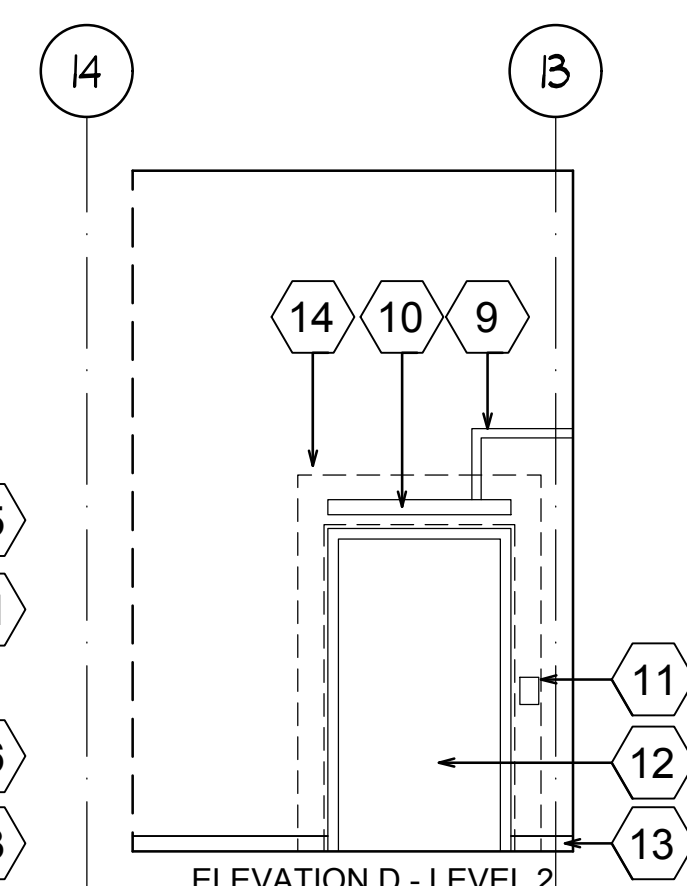
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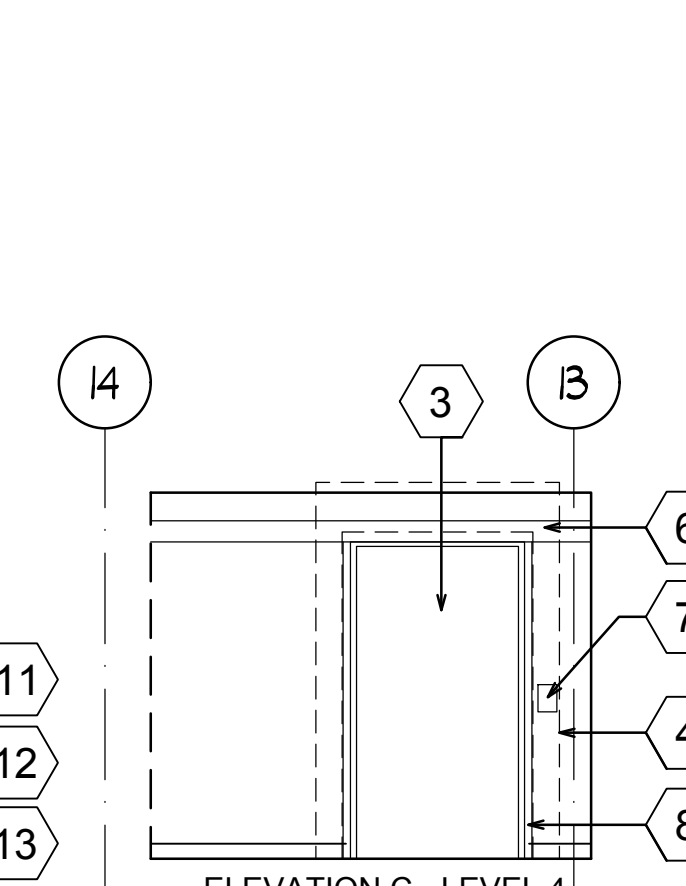
ELEVATION F - LEVEL 4



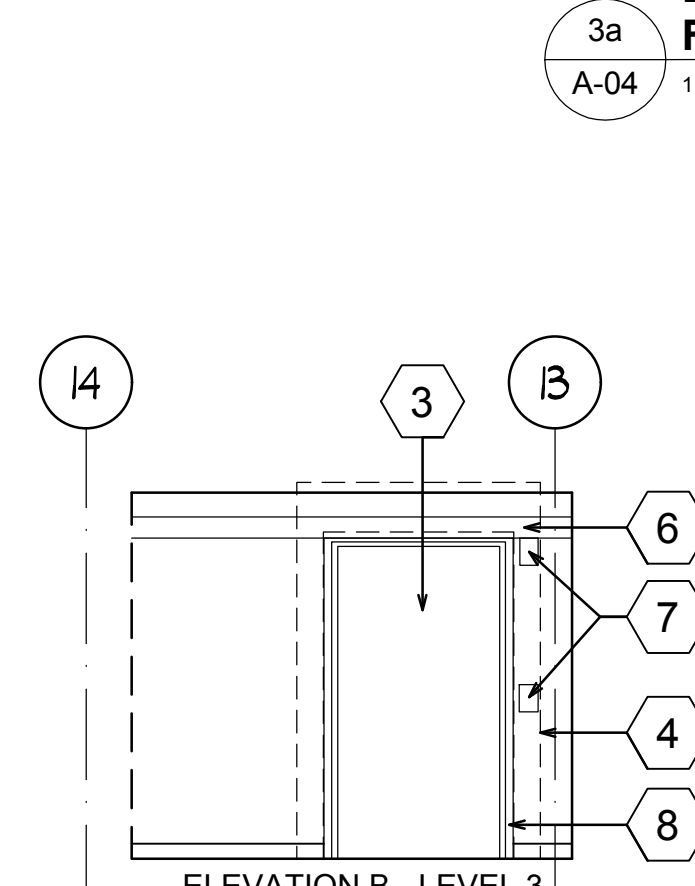
ELEVATION E - LEVEL 3



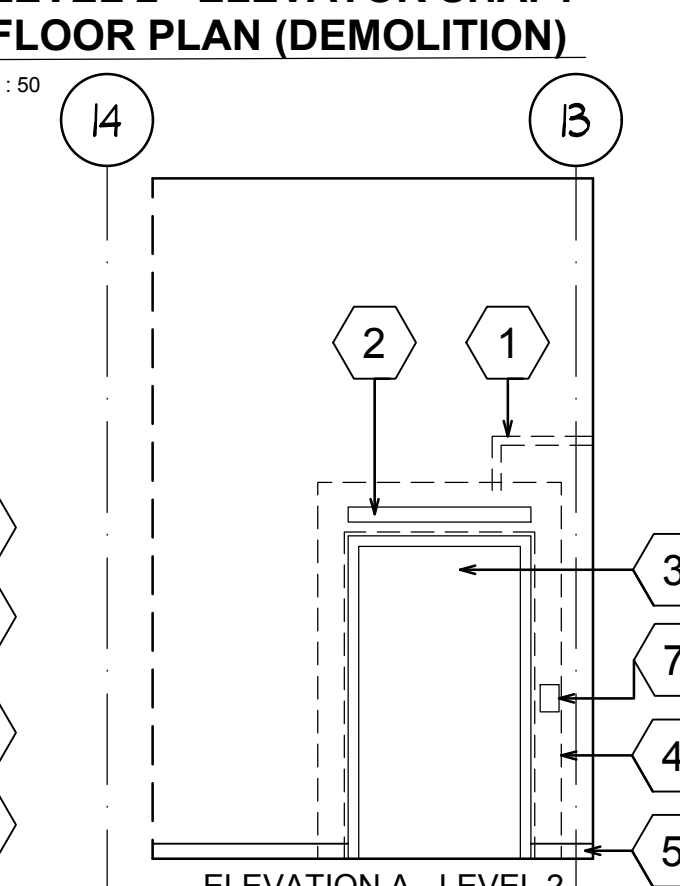
ELEVATION D - LEVEL 2



ELEVATION C - LEVEL 4



ELEVATION B - LEVEL 3



ELEVATION A - LEVEL 2

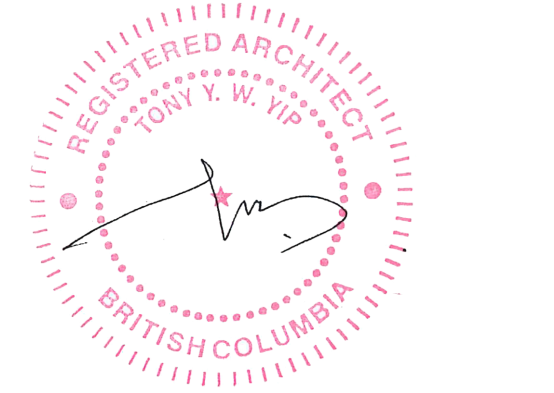
INTERIOR ELEVATION (NEW)

1:50

INTERIOR ELEVATION (DEMOLITION)

1:50

- 1 REMOVE EXISTING CONDUIT AND WIRING
- 2 REMOVE EXISTING LIGHT FIXTURE
- 3 DEMOLISH EXISTING ELEVATOR DOOR AND DOOR FRAME
- 4 REMOVE EXISTING NON-STRUCTURAL INFILL CONCRETE MASONRY BLOCK AND GWB FURRING AROUND ELEVATOR
- 5 REMOVE EXISTING RUBBER BASE ON BOTH SIDES OF ELEVATOR DOOR
- 6 REMOVE WOOD COVER AND LIGHTING
- 7 REMOVE FLOOR INDICATOR / HALL BUTTON
- 8 REMOVE SOLID WOOD CASING
- 9 REINSTALL WIRING CONDUIT
- 10 RE-INSTALL EXISTING FIXTURE
- 11 NEW FLOOR INDICATOR / HALL BUTTON
- 12 NEW DOOR AND FRAME
- 13 NEW RUBBER BASE TO B/S OF DOOR
- 14 INSTALL NEW MASONRY BLOCK (REFER STRU. FOR REINFORCING DETAILS) TO EX. CONCRETE WALL FULLY GROUT FOR 1HR FRR FIRE SEPARATION REINSTATE GWB FURRING AND RE-PAINT WHOLE WALL.
- 15 RE-INSTALL WOOD COVER AND LIGHTING
- 16 RE-INSTALL SOLID WOOD CASING
- 17 RE-INSTALL EXISTING BEAM OR NEW BEAM
- 18 FIRE STOP ALL EXISTING AND NEW PENETRATION INTO ELEVATOR WALL
- 19 REMOVE ALL EXISTING MACHINERY FROM ELEVATOR MACHINE ROOM (TYP.)
- 20 RELOCATE OR REMOVE EXISTING C-CHANNEL OR INSTALL NEW (TYP. FOR ALL LEVELS)
- 21 PROVIDE 1HR FOR SHAFT WALL TO ENCLOSE EX. EXPOSED ELECTRICAL CABLE
- 22 REMOVE EXISTING ELEVATOR AND ALL ASSOCIATED MACHINERY AND HARDWARE AND FILL EXISTING UNUSED HOLE AT FLOOR SLAB (TYP.)
- 23 REMOVE EXISTING WALL PROTECTION
- 24 RE-INSTALL WALL PROTECTION
- 25 FILL EXISTING UNUSED HALL IN FLOOR SLAB



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Drawing title/Titre du dessin

**SERVICE ELEVATOR SE02
SECTION AND FLOOR PLANS
(DEMOLITION)**

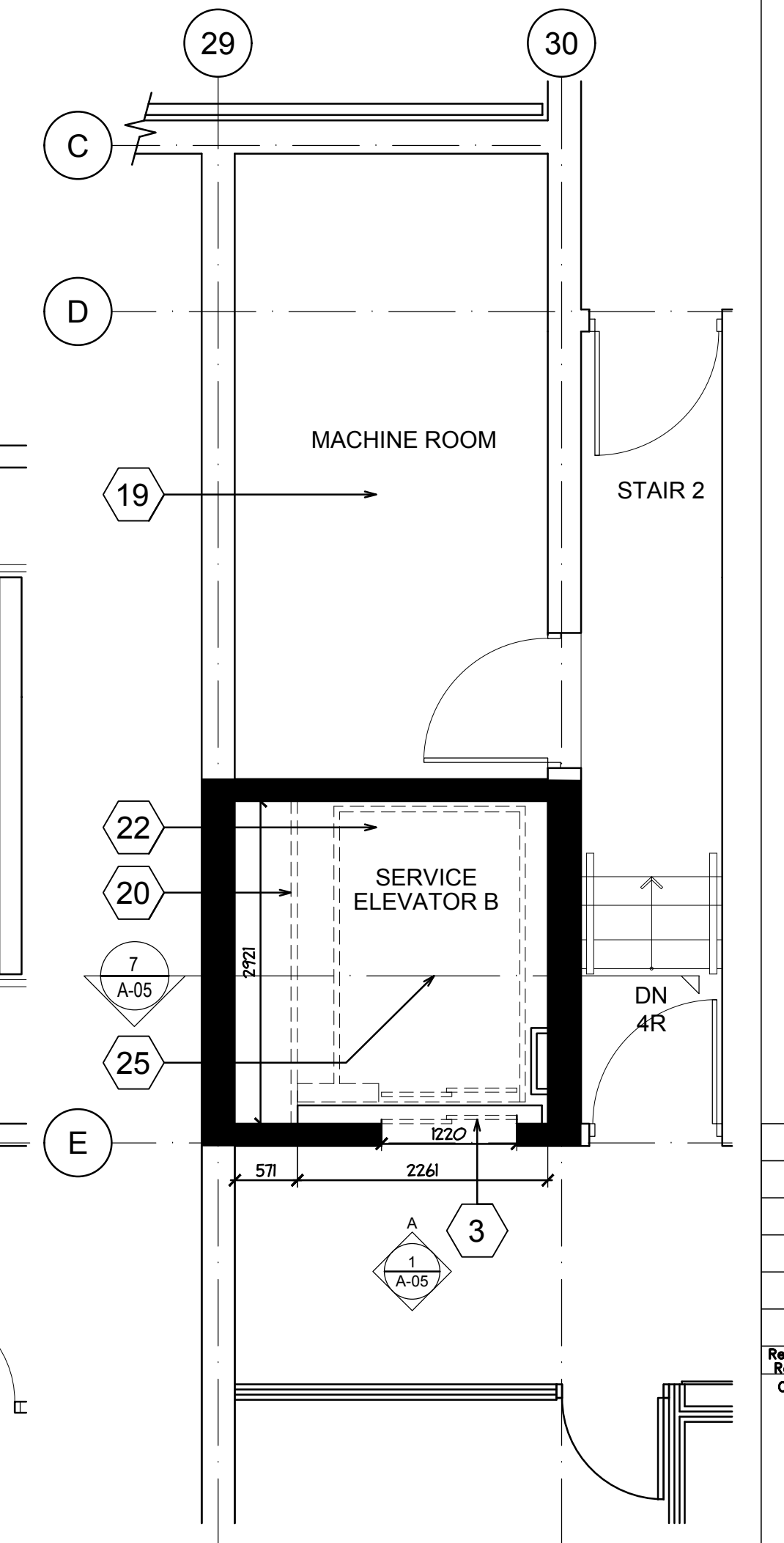
Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
R.099799.001	A-05 OF XX	2

1. REMOVE EXISTING CONDUIT AND WIRING
2. REMOVE EXISTING LIGHT FIXTURE
3. DEMOLISH EXISTING ELEVATOR DOOR AND DOOR FRAME
4. REMOVE EXISTING NON-STRUCTURAL INFILL CONCRETE MASONRY BLOCK AND GWB
FURRING AROUND ELEVATOR
5. REMOVE EXISTING RUBBER BASE ON BOTH SIDES OF ELEVATOR DOOR
6. REMOVE WOOD COVER AND LIGHTING
7. REMOVE FLOOR INDICATOR / HALL BUTTON
8. REMOVE SOLID WOOD CASING
9. REINSTALL WIRING CONDUIT
10. RE-INSTALL EXISTING FIXTURE
11. NEW FLOOR INDICATOR / HALL BUTTON
12. NEW DOOR AND FRAME
13. NEW RUBBER BASE TO B/S OF DOOR
14. INSTALL NEW MASONRY BLOCK (REFER STRU. FOR REINFORCING DETAILS) TO EX.
CONCRETE WALL FULLY GROUT FOR 1HR FRR FIRE SEPARATION REINSTATE GWB
FURRING AND RE-PAINT WHOLE WALL.
15. RE-INSTALL WOOD COVER AND LIGHTING
16. RE-INSTALL SOLID WOOD CASING
17. RE-INSTALL EXISTING BEAM OR NEW BEAM
18. FIRE STOP ALL EXISTING AND NEW PENETRATION INTO ELEVATOR WALL

**MECH. PENTHOUSE ELEVATOR SHAFT
FLOOR PLAN (DEMOLITION)**

6
A-05 1:50

19. REMOVE ALL EXISTING MACHINERY FROM ELEVATOR MACHINE ROOM (TYP.)
20. RELOCATE OR REMOVE EXISTING C-CHANNEL OR INSTALL NEW (TYP. FOR ALL LEVELS)
21. PROVIDE 1HR FOR SHAFT WALL TO ENCLOSE EX. EXPOSED ELECTRICAL CABLE
22. REMOVE EXISTING ELEVATOR AND ALL ASSOCIATED MACHINERY AND HARDWARE AND
FILL EXISTING UNUSED HOLE AT FLOOR SLAB (TYP.)
23. REMOVE EXISTING WALL PROTECTION
24. RE-INSTALL WALL PROTECTION
25. FILL EXISTING UNUSED HALL IN FLOOR SLAB



**LEVEL 1 ELEVATOR SHAFT
FLOOR PLAN (DEMOLITION)**

2
A-05 1:50

**LEVEL 2 ELEVATOR SHAFT
FLOOR PLAN (DEMOLITION)**

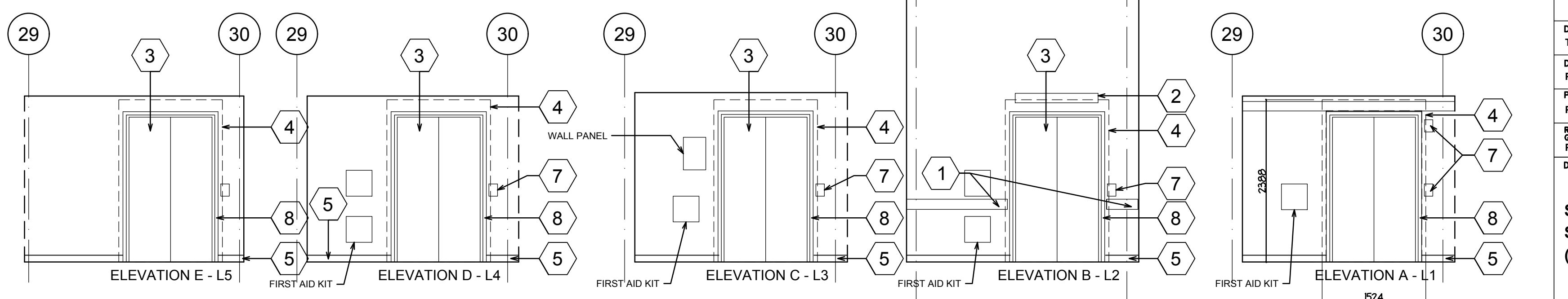
3
A-05 1:50

**LEVEL 3 ELEVATOR SHAFT
FLOOR PLAN (DEMOLITION)**

4
A-05 1:50

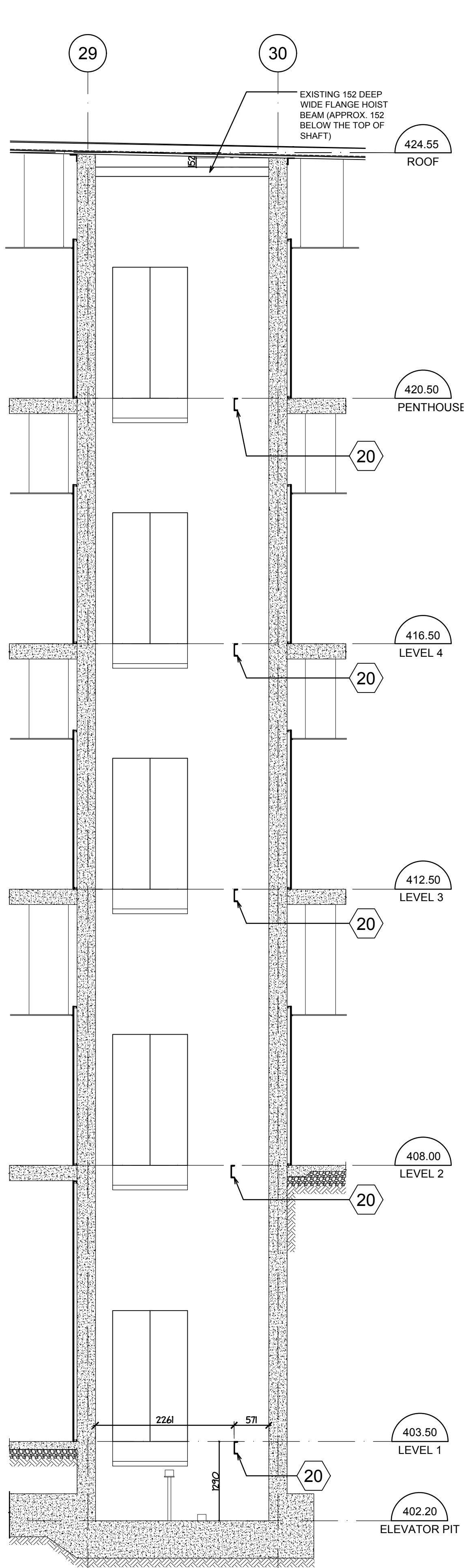
**LEVEL 4 ELEVATOR SHAFT
FLOOR PLAN (DEMOLITION)**

5
A-05 1:50



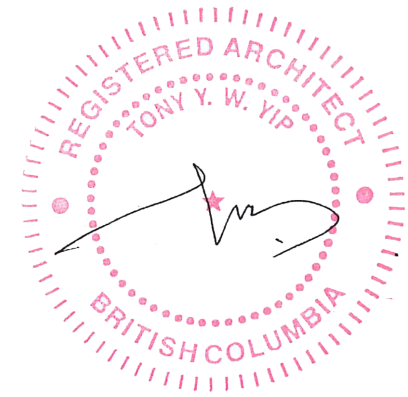
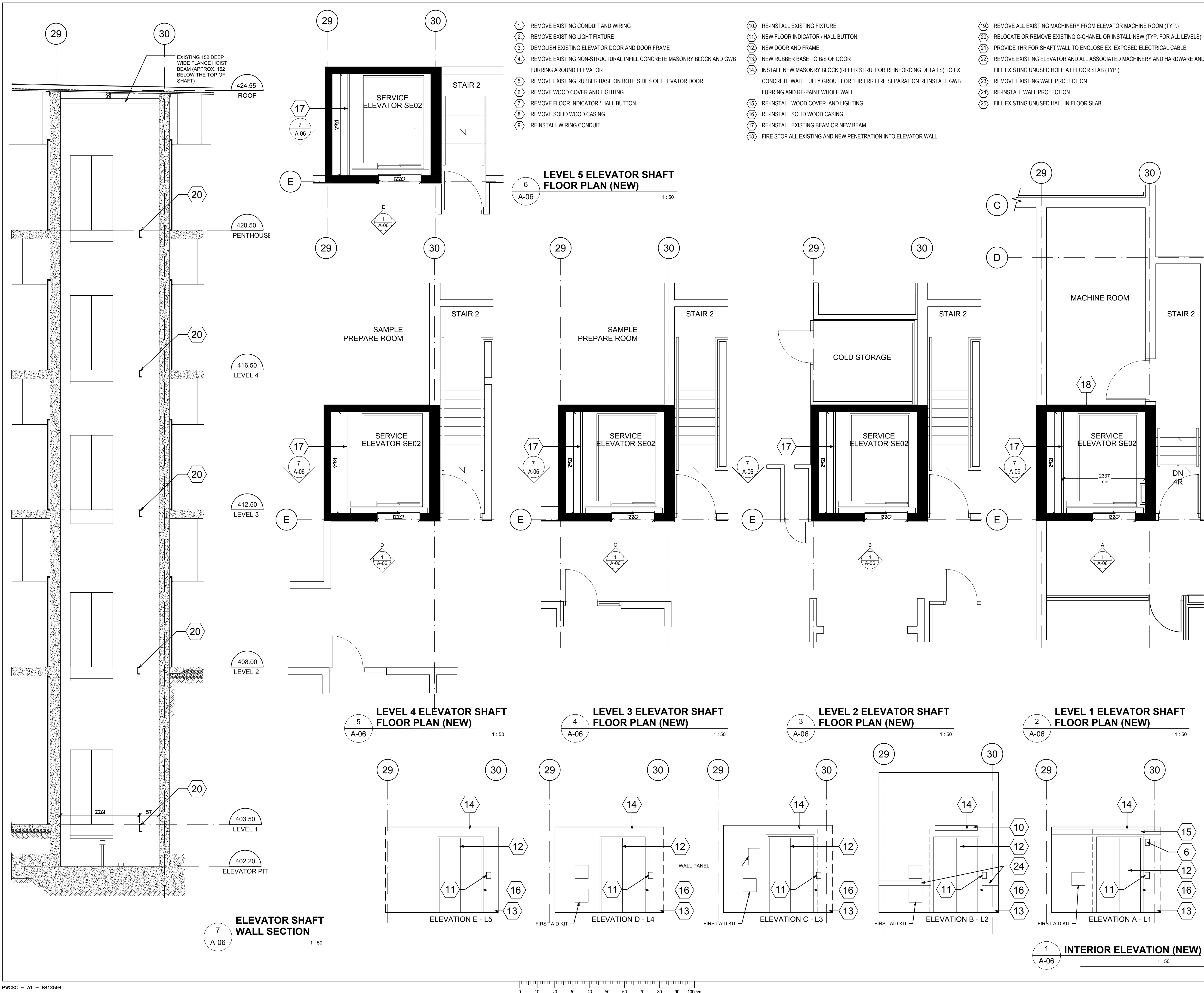
INTERIOR ELEVATION

1
A-05 1:50



**ELEVATOR SHAFT
WALL SECTION**

7
A-05 1:50



Revision/	Description/Description	Date/Date
2	ISSUED FOR TENDER	APR 26, 2019
1	ISSUED FOR 99% REVIEW	FEB 28, 2019
	ISSUED FOR 50% REVIEW	OCT 16, 2018

Agriculture &
Agri-Food Canada

Project title/Titre du projet
4200 HWY#97
Summerland, BC V0H 1Z0

Elevator Replacement at
Summerland Research and
Development Centre

Consultant Signature Only

Designed by/Concept par
TY

Drawn by/Dessiné par
PM

PWSC Project Manager/Administrateur de Projets TPSGC
Philip Fung

Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architectural et de génie, TPSGC
Preestipal Paul

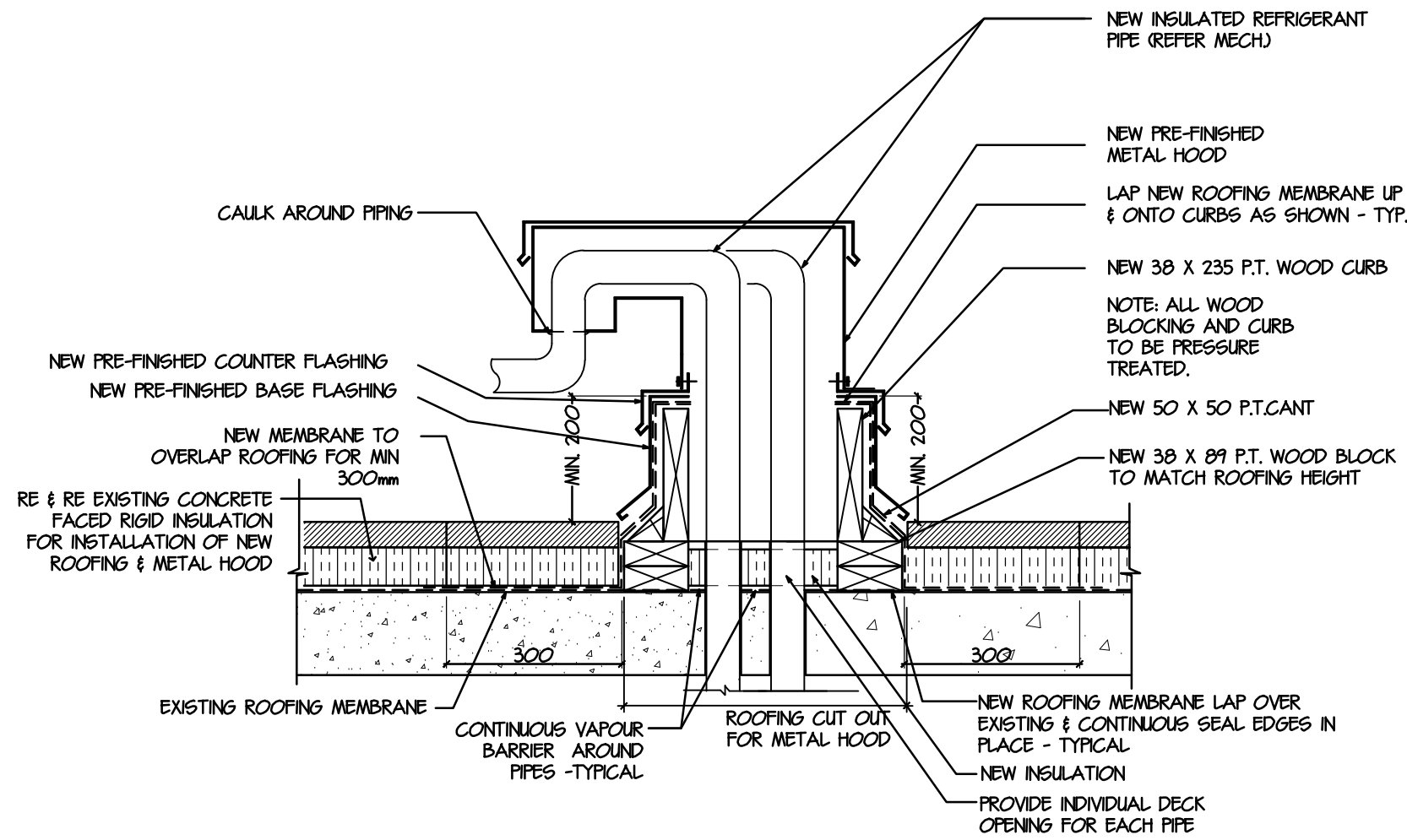
Drawing title/Titre du dessin

SERVICE ELEVATOR SE02
SECTION AND FLOOR PLANS
(NEW)

Project No./No. du
projet
R.099799.001

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A-06
OF XX

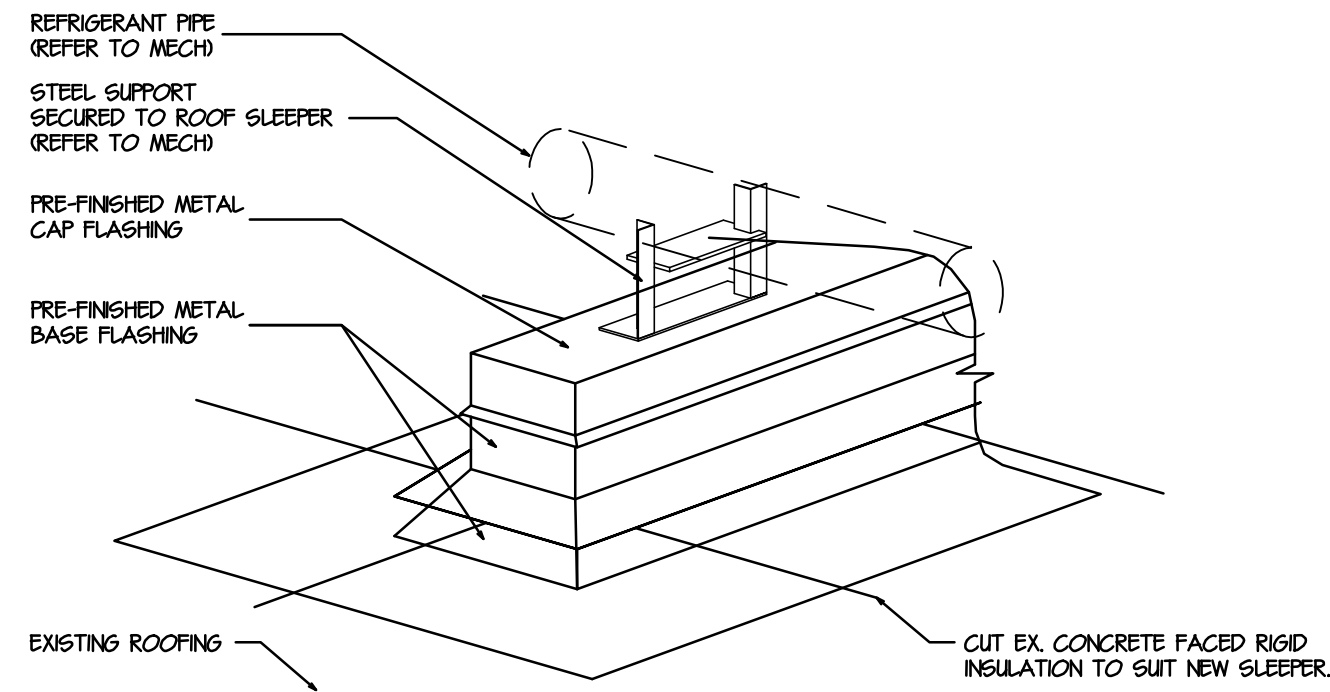
Revision no./
La Révision
no.
2



5

TYPICAL METAL HOOD (DOG HOUSE) DETAIL

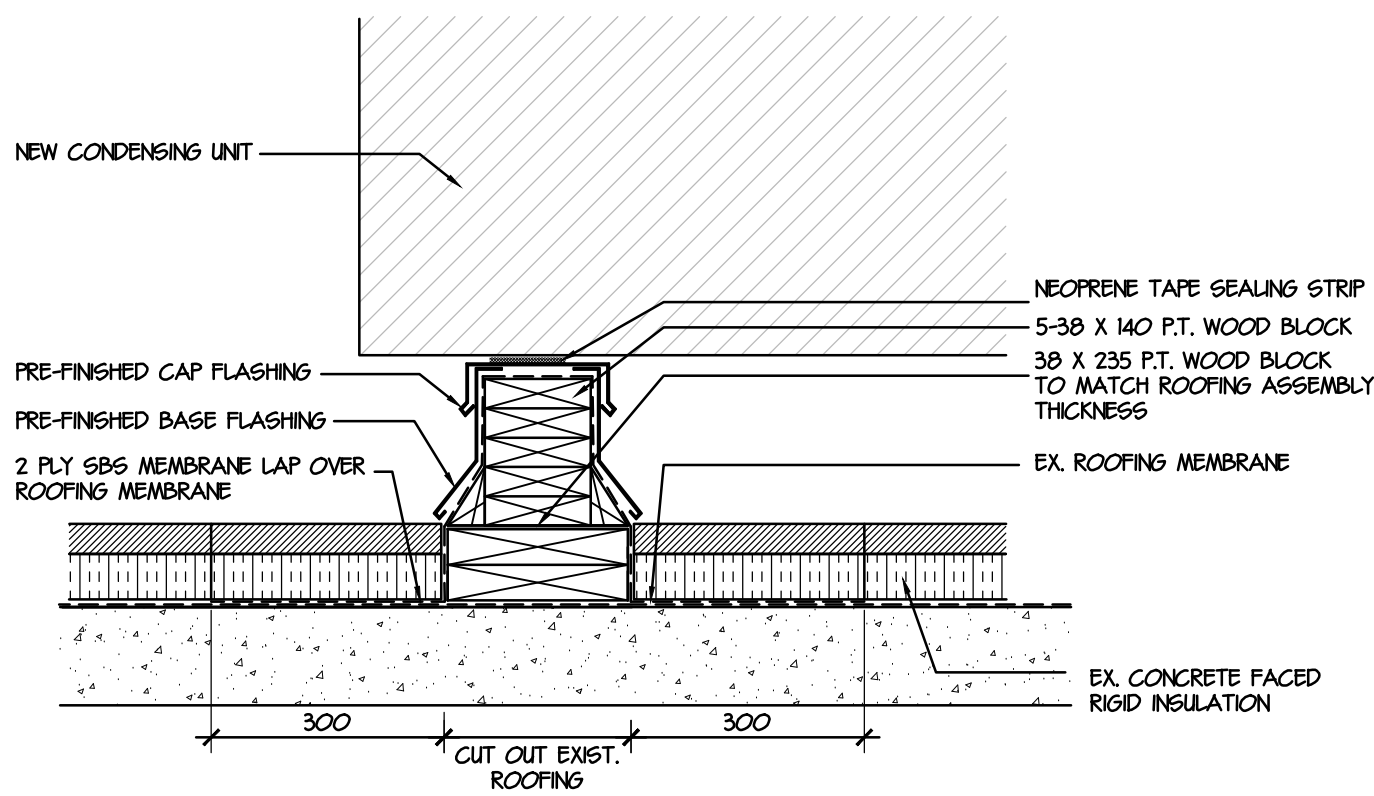
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4

TYPICAL ROOF SLEEPER END DETAIL

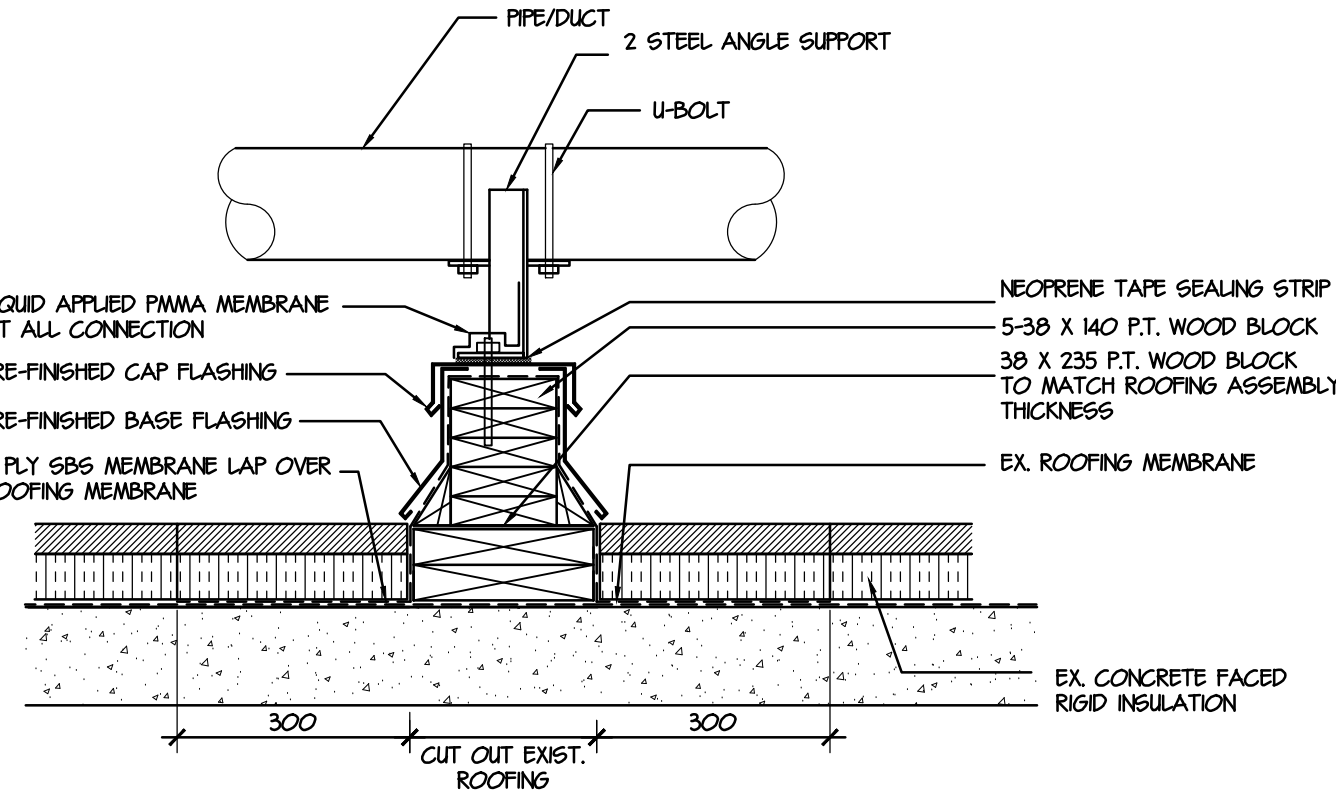
1 : 10



6

TYPICAL ROOF SLEEPER FOR CONDENSING UNIT

1 : 10



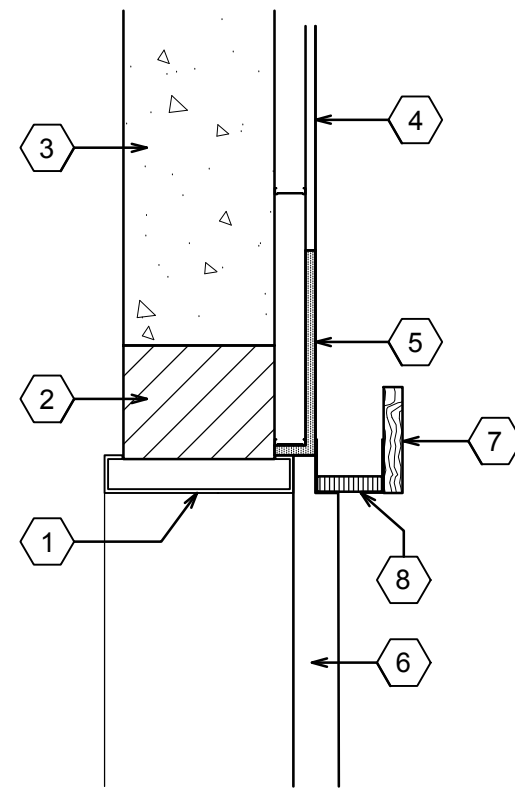
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TYPICAL ROOF SLEEPER DETAIL

1 : 10

KEY NOTE FOR DETAIL 1 & 2

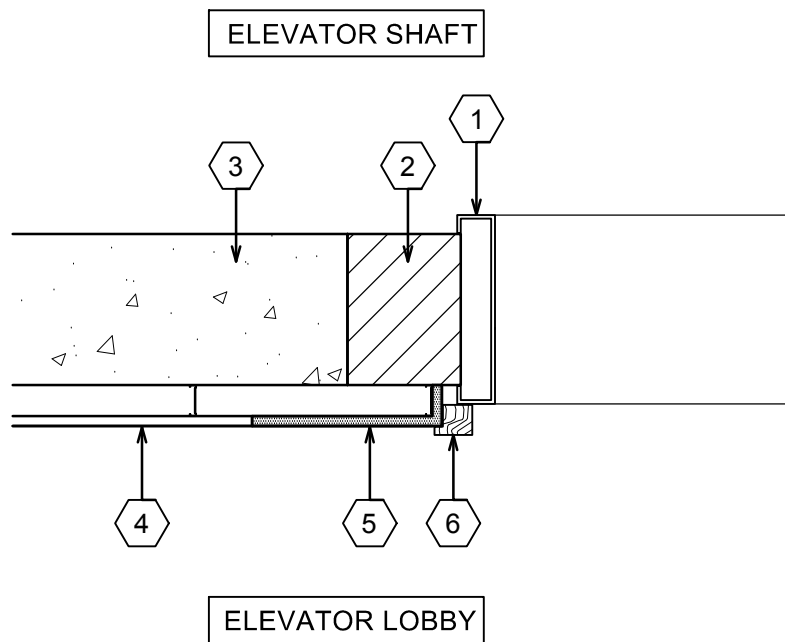
- 1 REPLACE EXISTING ELEVATOR DOOR JAMB WITH NEW
- 2 REMOVE EXISTING CONCRETE MASONRY BLOCK AS NEEDED & REPLACE WITH NEW INFILL CONCRETE MASONRY BLOCK AFTER NEW ELEVATOR INSTALLATION. GROUT TIGHT TO NEW ELEVATOR DOOR FRAME TO MAINTAIN FIRE SEPARATION
- 3 EXISTING CONCRETE ELEVATOR SHAFT
- 4 EXISTING GWB FURRING WALL TO STAY. REPAINT TOGETHER WITH NEW REPLACEMENT GWB
- 5 REMOVE EXISTING GWB FURRING WALL & STL STUD. REPLACE WITH NEW MATCHING THICKNESS WITH NEW STUD AFTER NEW ELEVATOR INSTALLATION. TAP MUD SAND & PAINT TO MATCH EXISTING
- 6 REMOVE & REINSTALL EXISTING WOOD CASING. RE-FINISH AFTER ELEVATOR INSTALLATION. REPLACE WITH NEW IF DAMAGED.
- 7 REMOVE & REINSTALL EXISTING WOOD TRIM AND RE-FINISH AFTER ELEVATOR INSTALLATION
- 8 REMOVE AND REINSTALL EXISTING LENS & SUPPORT TRIM & MOUNTING BRACKET AFTER ELEVATOR INSTALLATION



2

TYPICAL ELEVATOR DOOR HEAD DETAIL

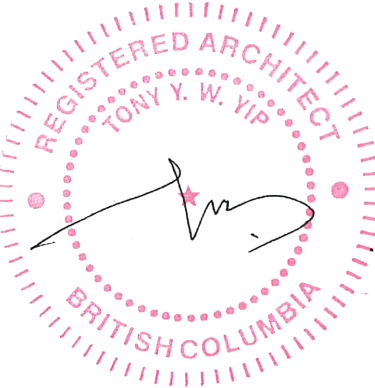
1 : 10



1

TYPICAL ELEVATOR DOOR JAMB DETAIL

1 : 10



2	ISSUED FOR TENDER	APR 26, 2019
0	ISSUED FOR 90% REVIEW	FEB 28, 2019

Revision/	Description/Description	Date/Date
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Client/client		
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Agriculture &
Agri-Food Canada

Project title/Titre du projet
4200 HWY#97
Summerland, BC V0H 1Z0

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Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architectural et de génie, TPSGC
Preetpal Paul

Drawing title/Titre du dessin

TYPICAL DETAILS

Project No./No. du
projet
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OF XX

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La Révision
no.
2