

Public Works
Government Services
Canada

Architectural and
Engineering Services

Ontario Region

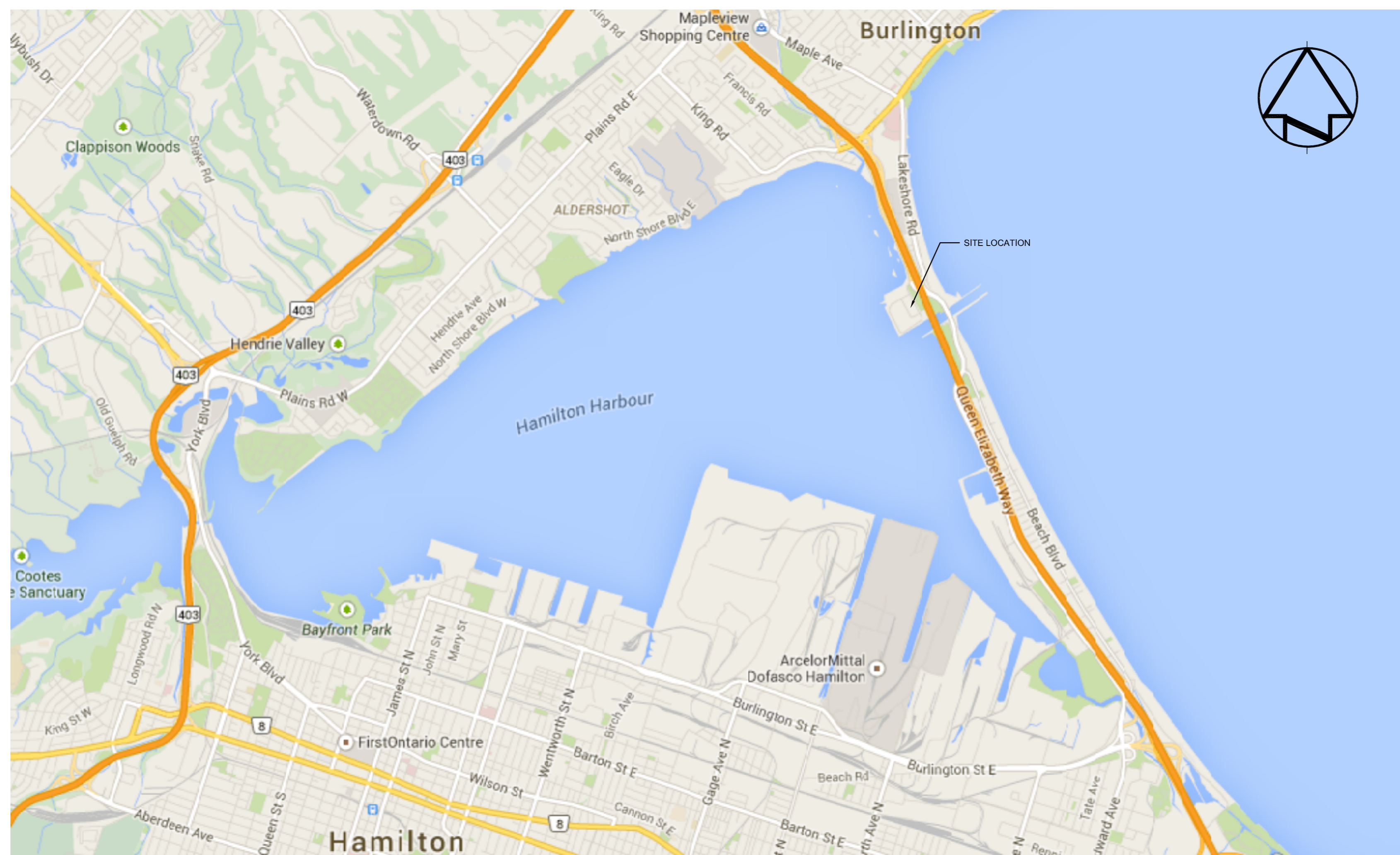
Travaux publics
Services gouvernementaux
Canada

Services d'architecture
et de génie

Région de l'Ontario

BURLINGTON, ONTARIO. CANADA CENTRE FOR INLAND WATERS

LABS, AHUs, AND HEATING UPGRADE PWGSC Proj. No.: R.073578.001



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- A0.02 CASEWORK TYPICAL ELEVATIONS
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- A6.01 SECTION DETAILS
- A6.02 PLAN DETAILS & SECTION DETAILS

STRUCTURAL

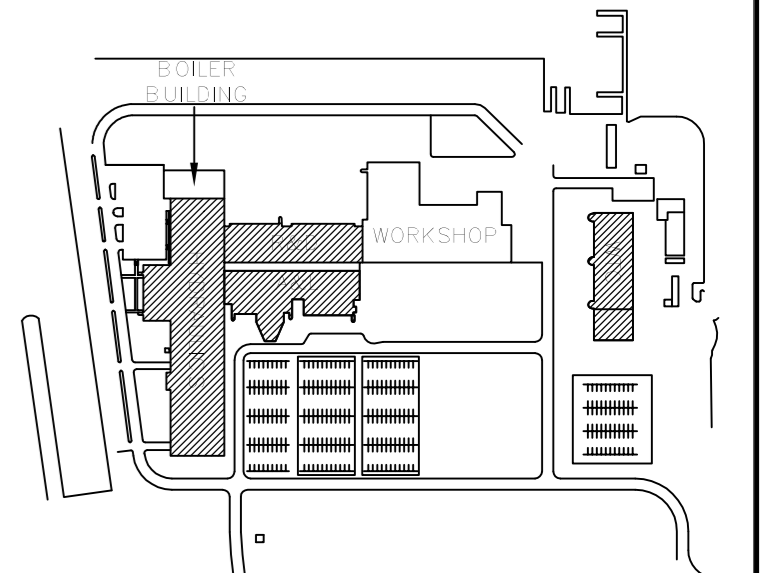
- S1.01 TYPICAL DETAILS
- S2.01 HYDRAULICS WING RTU FRAMING PLAN
- S2.02 A&L BUILDING 5TH TO 8TH (ROOF) FLOOR FRAMING PLANS & SECTIONS
- S2.03 WTC BUILDING PENTHOUSE EXTENSION FLOOR AND ROOF FRAMING PLANS

MECHANICAL

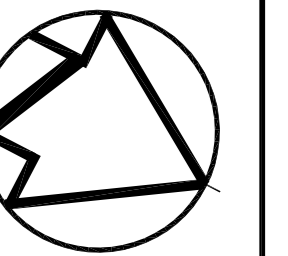
- M0.01 MECHANICAL LEGENDS & DRAWING LIST
- M1.01 HYDRAULICS WING; LAB H158; GROUND FLOOR; PLUMBING PLAN; DEMOLITION
- M1.02 HYDRAULICS WING; LAB H158; GROUND FLOOR; HVAC PLAN; DEMOLITION
- M1.03 HYDRAULICS WING; LAB H158; ROOF; HVAC PLAN; DEMOLITION
- M1.07 HYDRAULICS WING; AHU-43; MEZZANINE; HVAC PLAN; DEMOLITION
- M1.10 A&L BUILDING; EXHAUST UPGRADE; FOURTH FLOOR; HVAC AND PLUMBING PLAN; DEMOLITION
- M1.11 A&L BUILDING; LAB L527 & L530; FIFTH FLOOR; PLUMBING PLAN; DEMOLITION
- M1.12 A&L BUILDING; LAB L527 & L530; FIFTH FLOOR; HVAC PLAN; DEMOLITION
- M1.13 A&L BUILDING; EXHAUST UPGRADE; SIXTH FLOOR; HVAC PLAN; DEMOLITION
- M1.14 A&L BUILDING; EXHAUST UPGRADE; SEVENTH FLOOR; HVAC AND PLUMBING PLAN; DEMOLITION
- M1.15 A&L BUILDING; EXHAUST UPGRADE; PENTHOUSE/ROOF; HVAC PLAN; DEMOLITION
- M1.20 R&D BUILDING; EVIDENCE ROOMS AND LABS; GROUND FLOOR; HVAC PLAN; DEMOLITION
- M1.21 R&D BUILDING; AHU-1, 3, & 5; PENTHOUSE; HVAC PLAN; DEMOLITION
- M1.30 WTC BUILDING; HEATING SYSTEM; SERVICE TUNNEL AND BASEMENT; MECHANICAL PLAN; DEMOLITION
- M1.32 WTC BUILDING; HEATING SYSTEM; SECOND FLOOR; MECHANICAL PLAN; DEMOLITION
- M1.33 WTC BUILDING; HEATING SYSTEM; PENTHOUSE; MECHANICAL PLAN; DEMOLITION
- M2.01 HYDRAULICS WING; LAB H158; GROUND FLOOR; PLUMBING PLAN
- M2.02 HYDRAULICS WING; LAB H158; GROUND FLOOR; HVAC PLAN
- M2.03 HYDRAULICS WING; LAB H158; ROOF PLAN; HVAC PLAN
- M2.04 HYDRAULICS WING; TRACE METALS STAGING & STORAGE ROOM; GROUND FLOOR; PLUMBING PLAN
- M2.05 HYDRAULICS WING; TRACE METALS STAGING & STORAGE ROOM; GROUND FLOOR; HVAC PLAN
- M2.06 HYDRAULICS WING; TRACE METALS STAGING & STORAGE ROOM; GROUND FLOOR; FIRE PROTECTION PLAN
- M2.07 HYDRAULICS WING; AHU - 43; MEZZANINE; HVAC & HVAC PIPING PLAN
- M2.10 A&L BUILDING; EXHAUST UPGRADE; FOURTH FLOOR; HVAC PLAN
- M2.11 A&L BUILDING; LAB L527 & L530; FIFTH FLOOR; PLUMBING PLAN
- M2.12 A&L BUILDING; LAB L527 & L530; FIFTH FLOOR; HVAC PLAN
- M2.13 A&L BUILDING; EXHAUST UPGRADE; SIXTH FLOOR; HVAC PLAN
- M2.14 A&L BUILDING; EXHAUST UPGRADE; SEVENTH FLOOR; HVAC PLAN
- M2.15 A&L BUILDING; EXHAUST UPGRADE; PENTHOUSE/ROOF; HVAC PLAN
- M2.20 R&D BUILDING; EVIDENCE ROOMS AND LABS; GROUND FLOOR; HVAC PLAN
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- M2.30 WTC BUILDING; HEATING SYSTEM; SERVICE TUNNEL & BASEMENT; MECHANICAL PLAN
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- M2.33 WTC BUILDING; HEATING SYSTEM; PENTHOUSE; MECHANICAL PLAN
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- M4.00 MECHANICAL SCHEMATICS; HEATING SYSTEM DEMOLITION
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- M4.02 MECHANICAL SCHEMATICS; GENERAL
- M5.01 MECHANICAL DETAILS SHEET 1
- M5.02 MECHANICAL DETAILS SHEET 2
- M5.03 MECHANICAL DETAILS SHEET 3
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- M6.04 CONTROL SCHEMATICS SHEET 4
- M7.01 MECHANICAL SCHEDULES, SHEET 1
- M7.02 MECHANICAL SCHEDULES, SHEET 2

ELECTRICAL

- E0.01 ELECTRICAL LEGENDS AND DRAWING LIST
- E2.10 A&L BUILDING L527/L530 & 5TH FLOOR SERVICE CORRIDOR ELECTRICAL PLAN
- E2.11 A&L BUILDING 3RD ELEC RM & 4TH, 6TH, 7TH FLOOR SERVICE CORRIDOR ELECTRICAL PLAN
- E2.12 A&L BUILDING PENTHOUSE ELECTRICAL PLAN
- E2.13 A&L BUILDING O521-O532A ELECTRICAL PLAN
- E2.20 HYDRAULICS WING H158 ELECTRICAL PLAN
- E2.21 HYDRAULICS WING TRACE METALS STAGING AND STORAGE ROOM ELECTRICAL PLAN
- E2.22 HYDRAULICS WING MEZZANINE ELECTRICAL PLAN
- E2.30 WTC BUILDING TUNNEL ELECTRICAL PLAN
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- E2.32 WTC BUILDING PENTHOUSE ELECTRICAL PLAN
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- E5.01 ELECTRICAL SCHEDULES
- E6.01 ELECTRICAL PARTIAL SINGLE LINE DIAGRAMS
- E6.02 ELECTRICAL DETAILS



KEY PLAN
N.T.S.



revision	description	date
01	ISSUED FOR BID	04/11/2015

Do not scale drawings.
Verify all dimensions and conditions on site and
generally refer to the Contract Documents of all
drawings.

A Detail No.
B drawing no. - where detail required
C drawing no. - where detail

project title
titre du projet
**CANADA CENTRE FOR
INLAND WATERS**
867 LAKESHORE ROAD BURLINGTON,
ONTARIO, L7R 4A6

drawing title
titre du dessin
**LABS, AHUs, AND HEATING
UPGRADE**
**KEY PLAN, LOCATION PLAN
AND DRAWING LIST**

drawn by
dessiné par JJ

designed by
conçu par GG

approved by
approuvé par RN

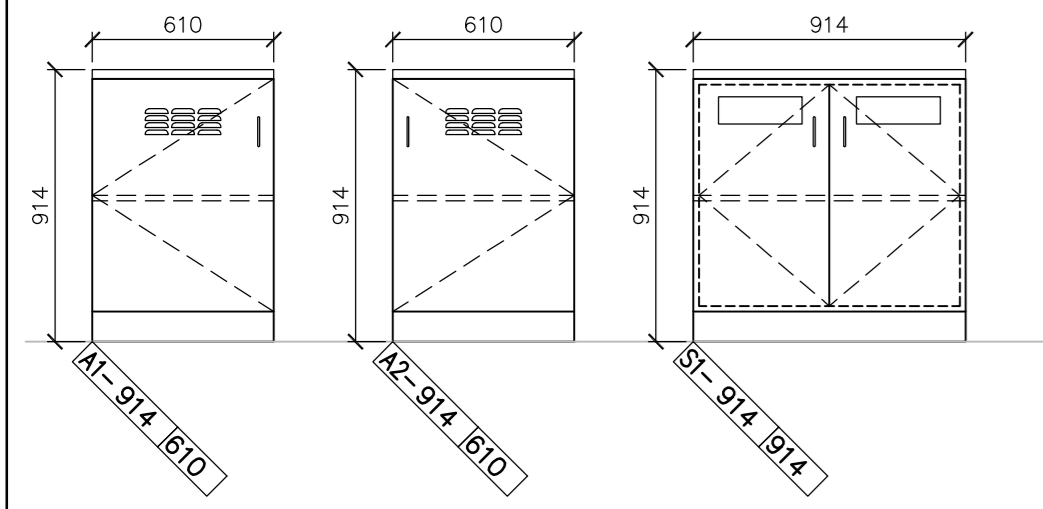
bid
offre AM project manager
administrateur de projets

project date
date du projet 2015-11-04

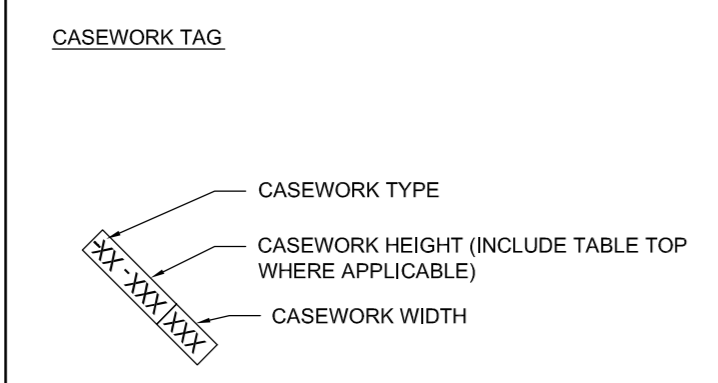
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no. du projet R.073578.001
DIALOC NO. 09946T0200

drawing no.
dessiné no. A0.00

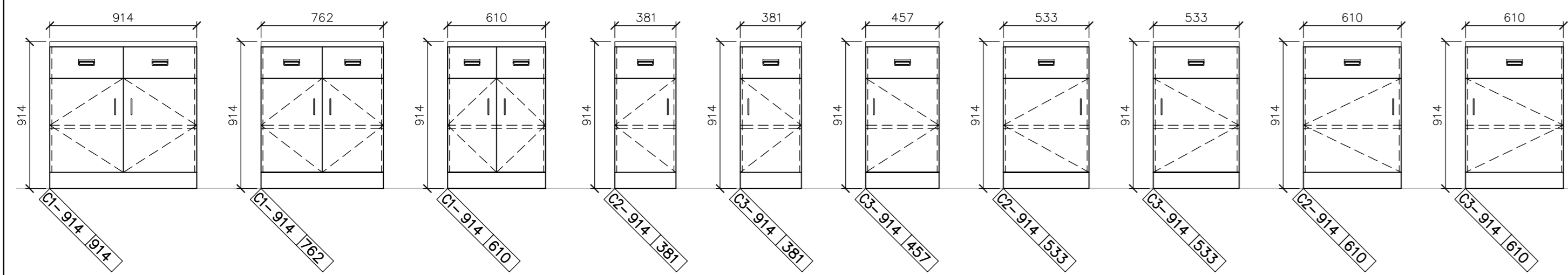
ACID, SOLVENT & BASE CABINETS



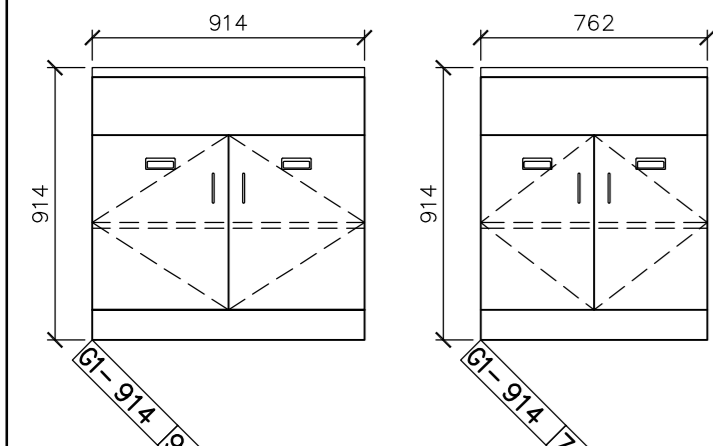
CASEWORK LEGEND:



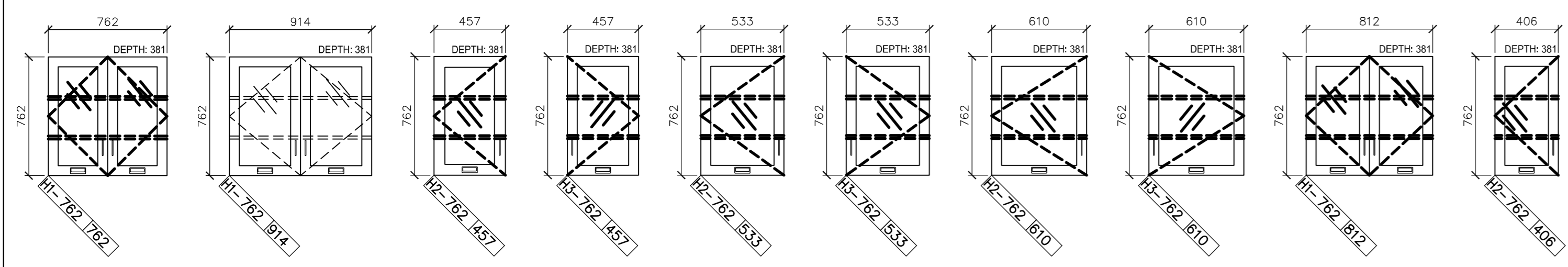
BASE CABINETS & DRAWERS W/ SOLID DOORS



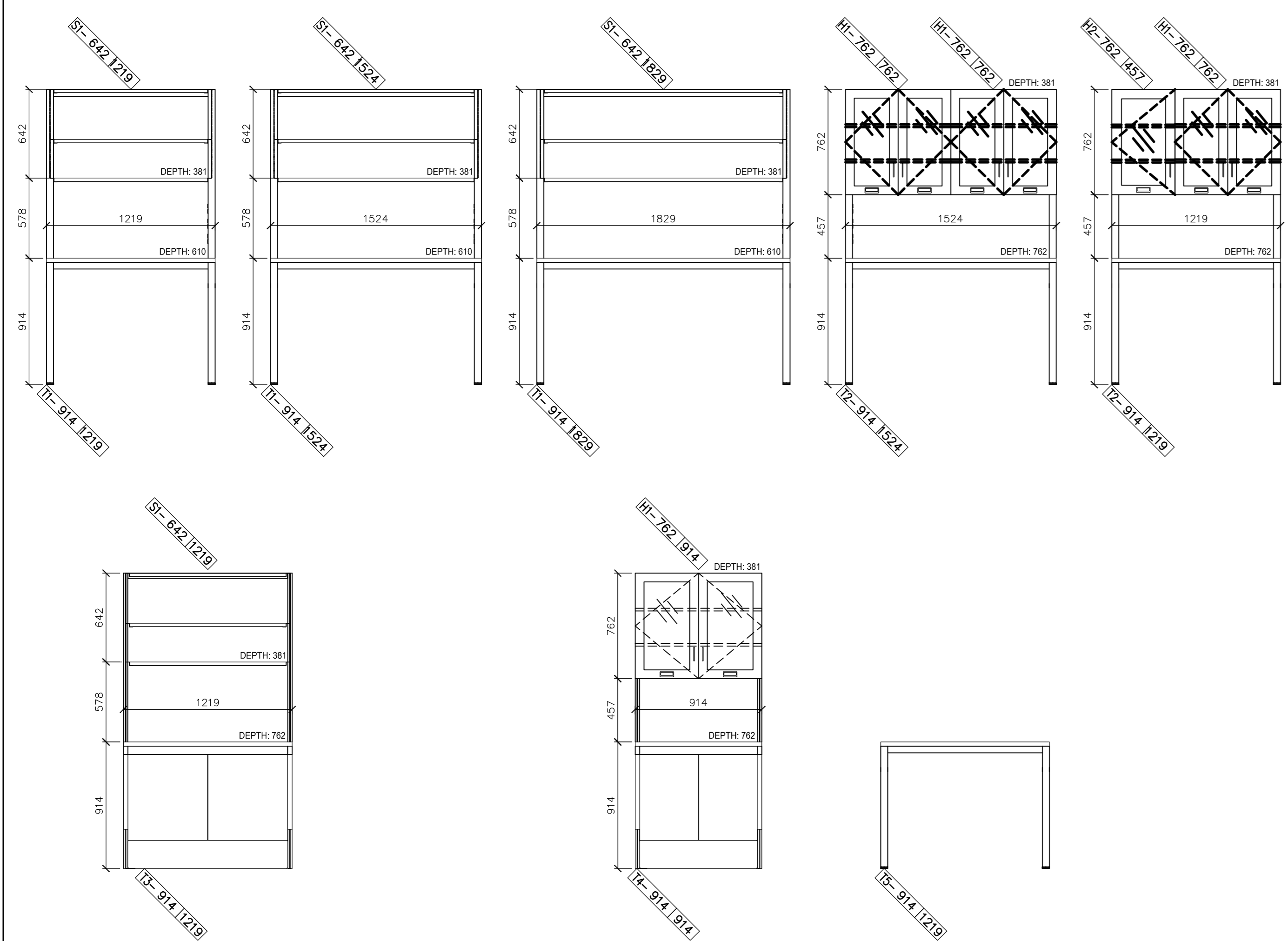
BASE CABINETS UNDER SINK



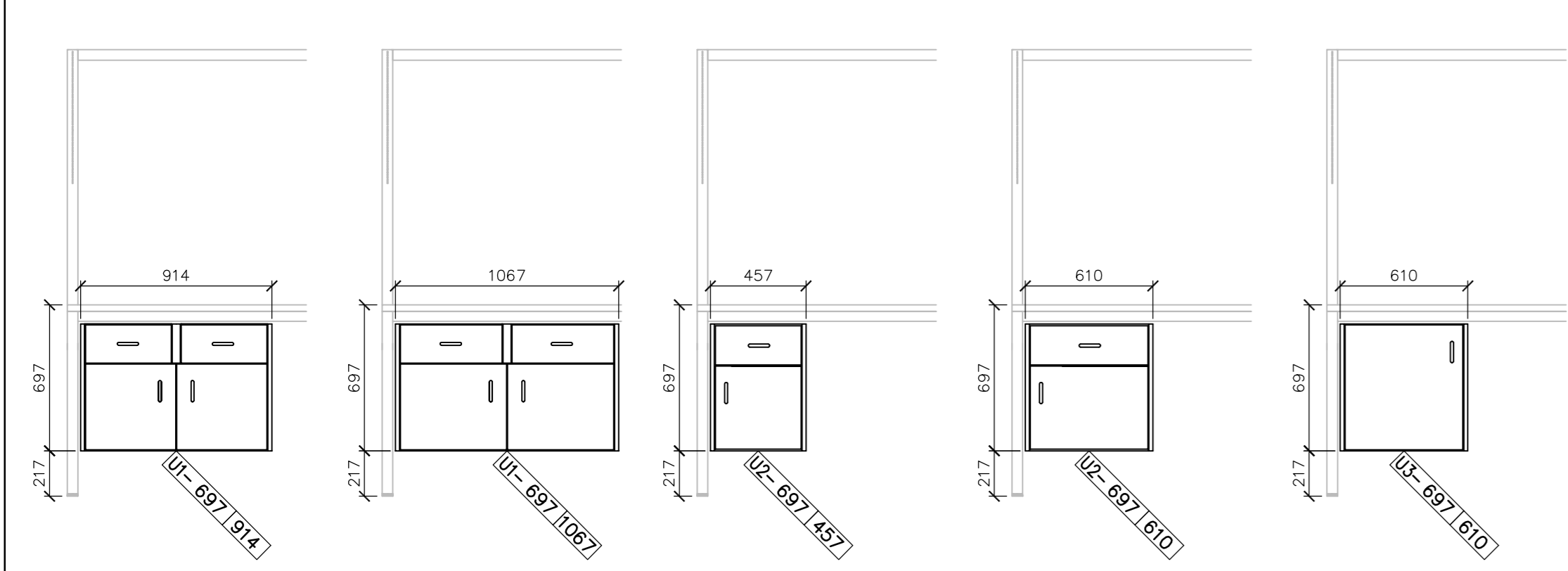
UPPER CABINETS W/ SLIDING GLASS DOORS - 305mm DEEP



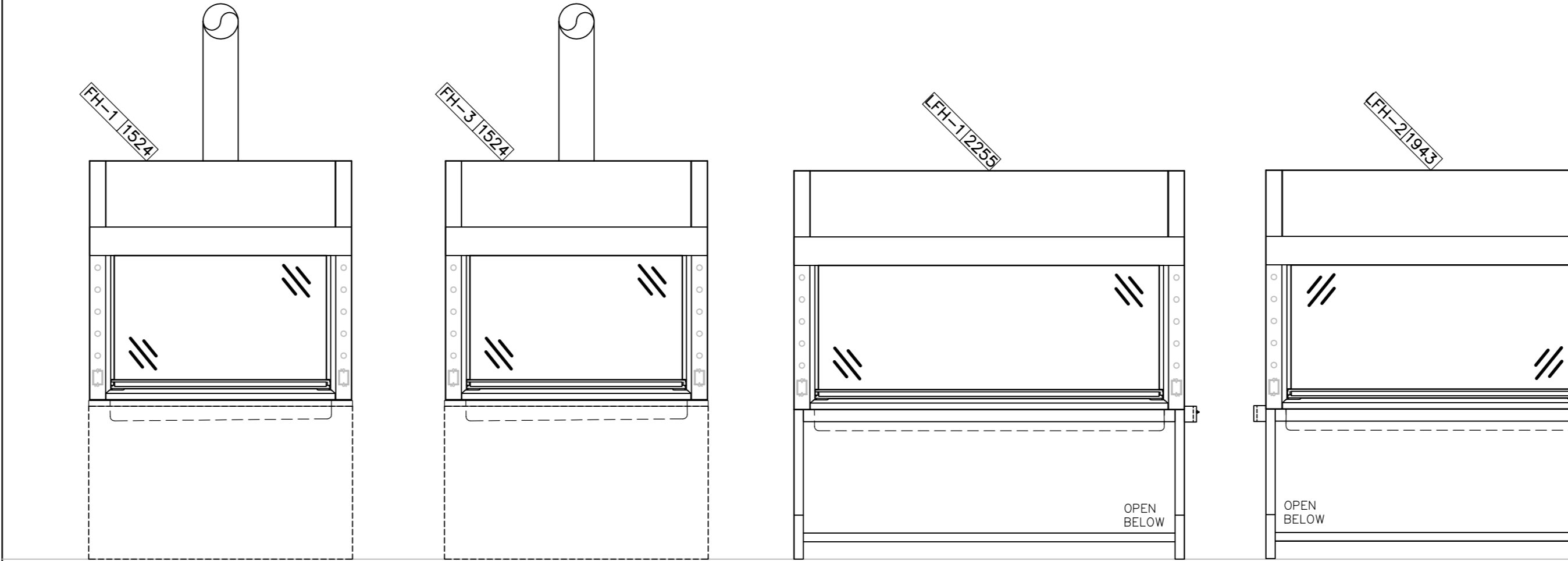
TABLES AND SHELVING



UNDER COUNTER BASE CABINETS

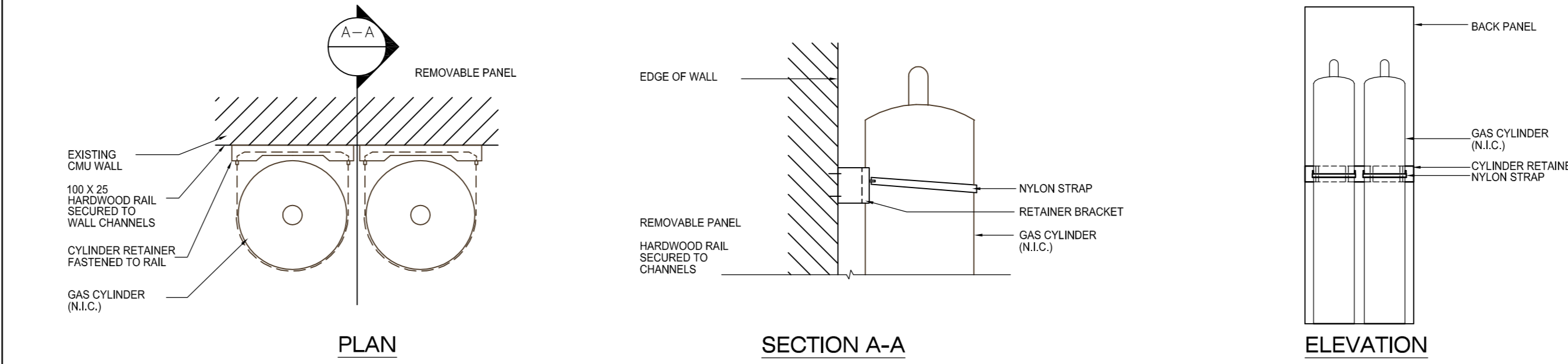


FUME HOODS

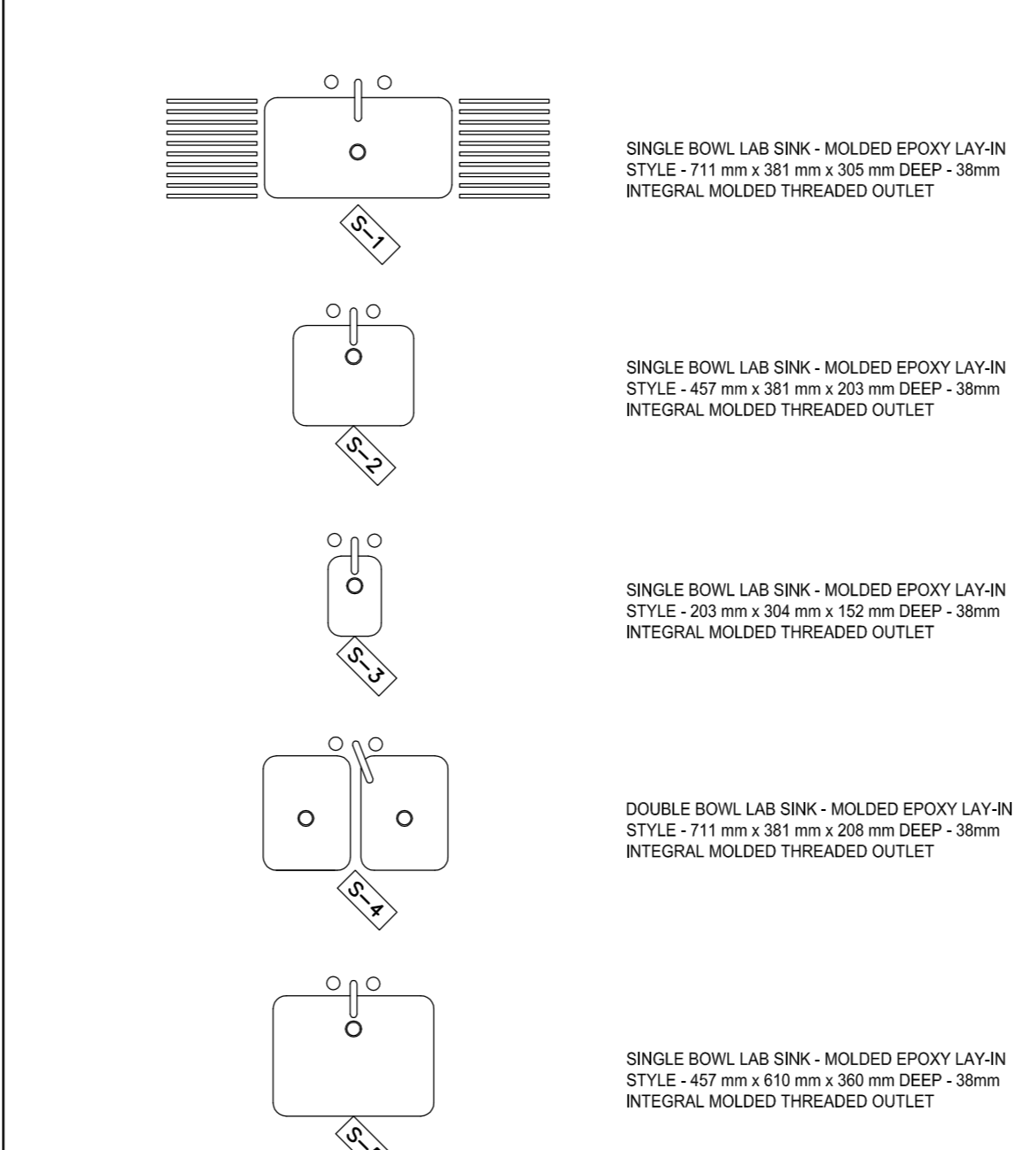


FUME HOOD COMPLETE WITH GLASS SASH, POWER, GAS AND CUP SINK
 FUME HOOD SALVAGED FROM HISS, COMPLETE WITH GLASS SASH, POWER, GAS AND CUP SINK
 LAMINAR FLOW HOOD COMPLETE WITH GLASS SASH, POWER
 LAMINAR FLOW HOOD COMPLETE WITH GLASS SASH, POWER

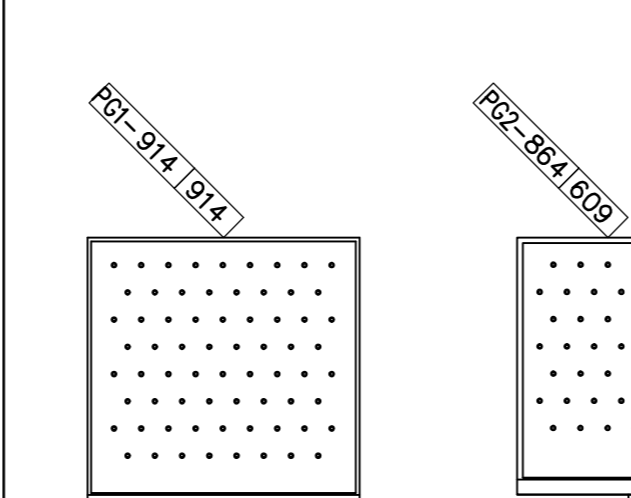
GAS CYLINDER HARNESS



SINKS:



PEGBOARDS



1	ISSUED FOR BID	04/11/2015
revision	issue	date

Do not scale drawings. Verify all dimensions and conditions on site and in drawings, notify the Departmental Representative of all discrepancies.

A	Detail No.
B	No. of detail
C	drawing no. - where detail required
	drawing no. - au détail exigé
	drawing no. - where detailed
	dessin no. - où détaillé

project title
 titre du projet
CANADA CENTRE FOR INLAND WATERS
 867 LAKESHORE ROAD BURLINGTON,
 ONTARIO, L7R 4A6
 LABS, AHUs, AND HEATING UPGRADE

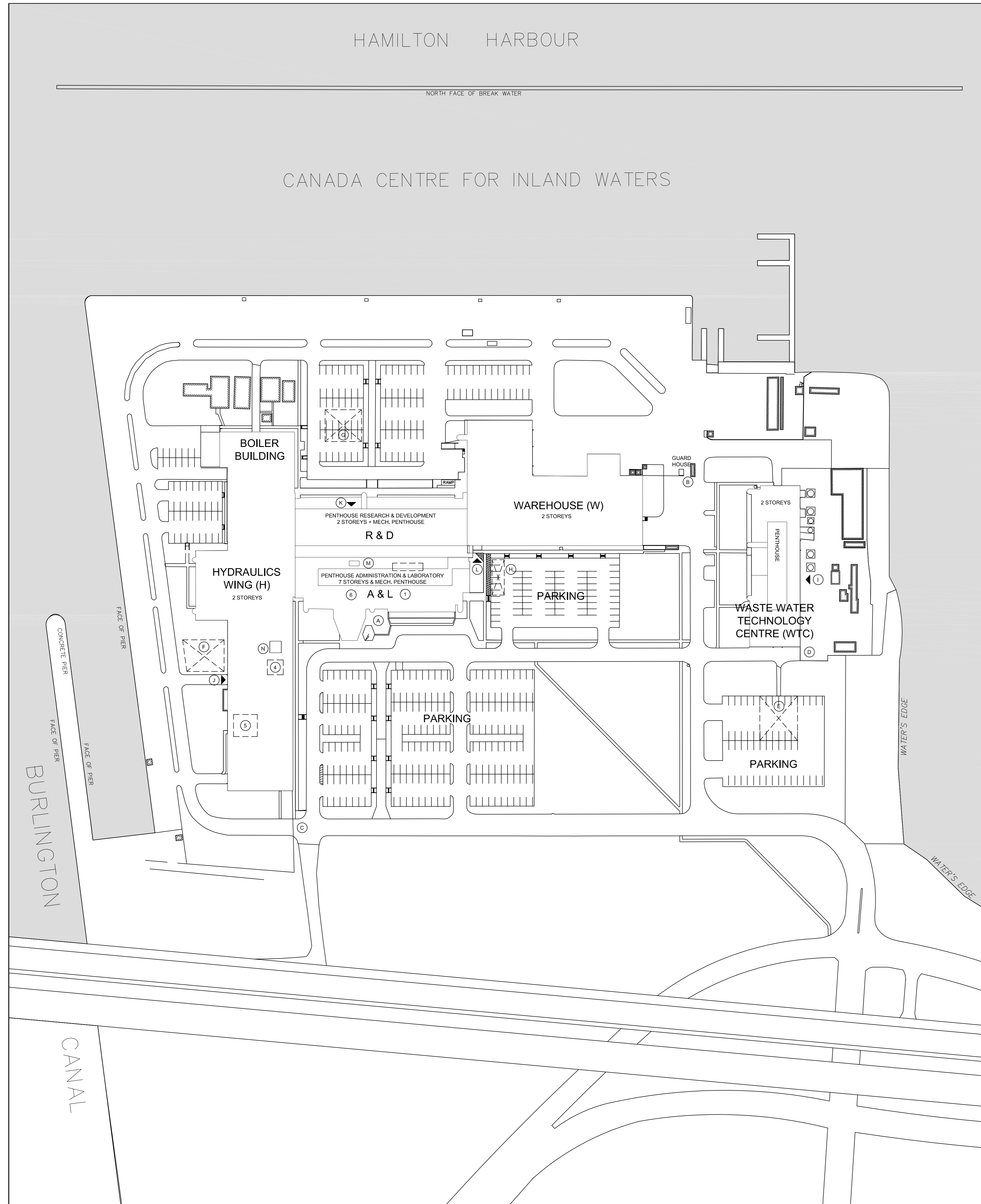
drawing title
 titre du dessin
CASEWORK TYPICAL ELEVATIONS

drawn by dessiné par	JJ
designed by conçu par	GC
approved by approuvé par	RN
bid offer	AM
project manager administrateur de projet	
project date date du projet	2015-11-04
project no. no. du projet	R.073578.001 DIALOG NO. 03946T0200
drawing no. dessin no.	A0.02

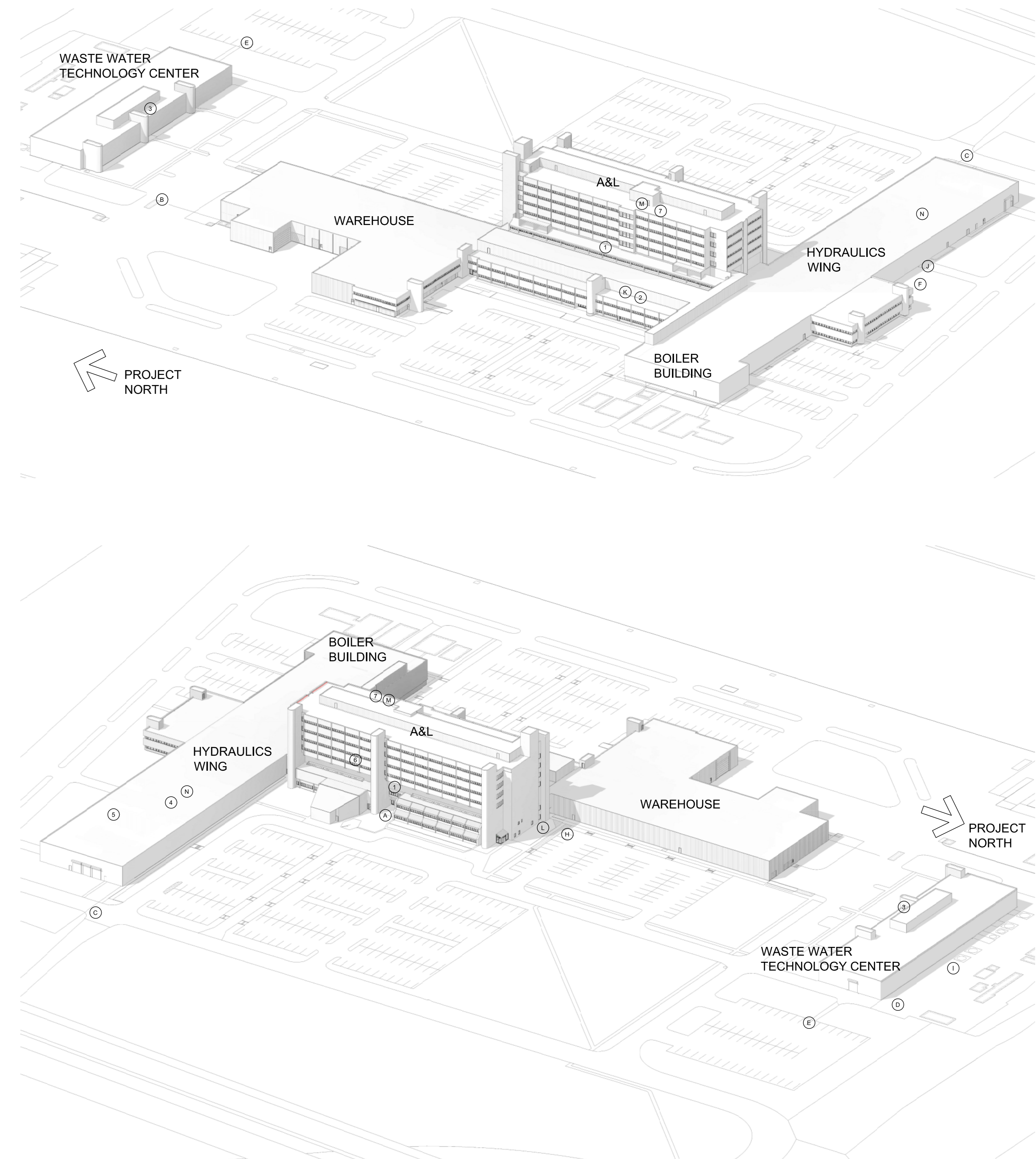
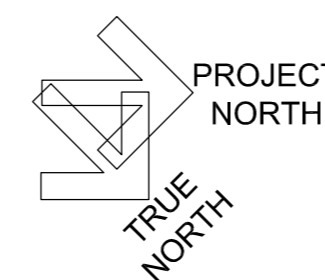
Stamp



WORK SCOPE KEY NOTES:	WORK COMPONENTS:
(A) MAIN CCW SECURITY CONTROL DESK	(1) AHU#1 REFURBISHMENT - R&D BUILDING - 3RD FLOOR MECHANICAL ROOM
(B) REMOTE CONTROLLED ACCESS SECURITY GATE - ACCESS TO R&D BUILDING, HYDRAULICS WING AND WEST & SOUTH PARKING AREAS OF CCW COMPLEX. ALL VISITORS MUST REPORT TO MAIN SECURITY CONTROL DESK AT A.	(2) AHU#3, 05 & 43 - R&D BUILDING MEZZANINE
(C) LOCKED SECURITY GATE, ACCESS ONLY WITH APPROVAL OF DEPARTMENTAL REPRESENTATIVE	(3) WTC BOILER UPGRADE AND MECHANICAL ROOM ENCLOSURE
(D) LOCKED SECURITY GATE, ACCESS ONLY WITH APPROVAL OF DEPARTMENTAL REPRESENTATIVE	(4) TLMC STORE ROOM - HYDRAULICS WING - GROUND FLOOR
(E) CONTRACTOR LAYDOWN, PARKING AND ACCESS TO WTC	(5) LAB H-158 - HYDRAULICS WING - GROUND FLOOR INCLUDING REPLACEMENT OF ROOFTOP UNIT 43
(F) CONTRACTOR LAYDOWN, PARKING AND ACCESS TO HYDRAULICS WING	(6) LABS L527 & L530 - A&L BUILDING 5TH FLOOR INCLUDING OFFICE REFURBISHMENTS
(G) CONTRACTOR LAYDOWN, PARKING AND ACCESS TO R&D	(7) CENTRAL EXHAUST SYSTEM - A&L BUILDING SOUTH SERVICE CORE FLOORS 4 TO 7 AND ROOFTOP EXHAUST FANS
(H) DAYTIME LAYDOWN AREA AND ACCESS TO A&L SERVICE ELEVATOR	
(I) GRADE LEVEL ACCESS TO WTC THROUGH PASS & OVERHEAD DOORS	
(J) GRADE LEVEL ACCESS TO HYDRAULICS WING THROUGH PASS & OVERHEAD DOORS	
(K) ROOF LEVEL ACCESS TO R&D MECHANICAL ROOM AND AHU #1	
(L) GRADE LEVEL ACCESS TO A&L SERVICE ELEVATOR - FLOORS A TO 7, SERVICE TUNNEL AND MECHANICAL PENTHOUSE	
(M) ROOFTOP EXHAUST FANS FOR CENTRAL EXHAUST SYSTEM	
(N) ROOFTOP AHU 44 - HYDRAULICS WING	



1 SITE PLAN
A1.00 SCALE: 1:1000
0 10m 50m 100m



revision	issue	date
1	ISSUED FOR BID	04/11/2015

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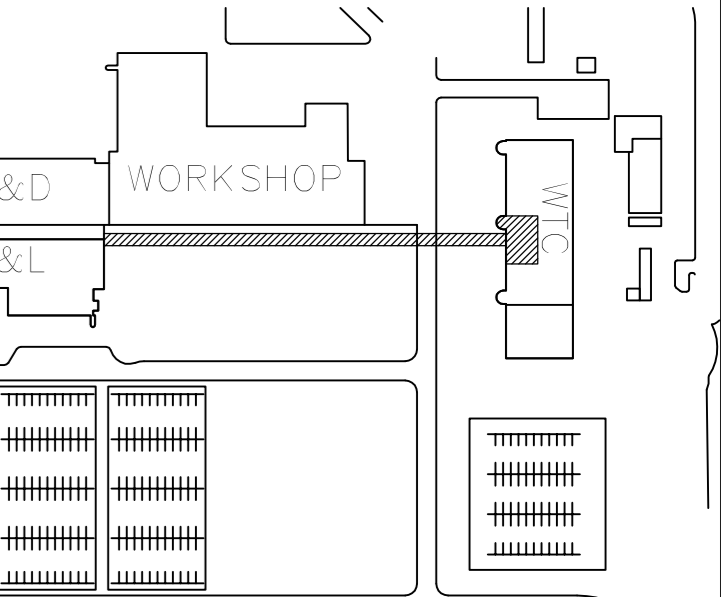
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B	No. of detail
C	drawing no. - where detail required
	drawing no. - where detailed
	desin no. - ou detaille

project title
titre du projet
CANADA CENTRE FOR INLAND WATERS
867 LAKESHORE ROAD BURLINGTON, ONTARIO, L7R 4A6
LABS, AHUs, AND HEATING UPGRADE

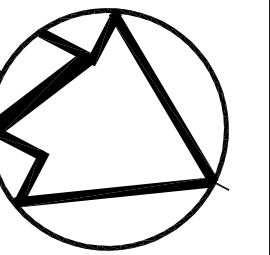
drawing title
titre du dessin
SITE PLAN

drawn by dessiné par	JJ
designed by conçu par	GC
approved by approuvé par	RN
bid offre	AM
project manager administrateur de projet	
project date date du projet	2015-11-04
project no. no. du projet	R.073578.001 DIALOG NO. 03946T0200
drawing no. dessiné no.	A1.00

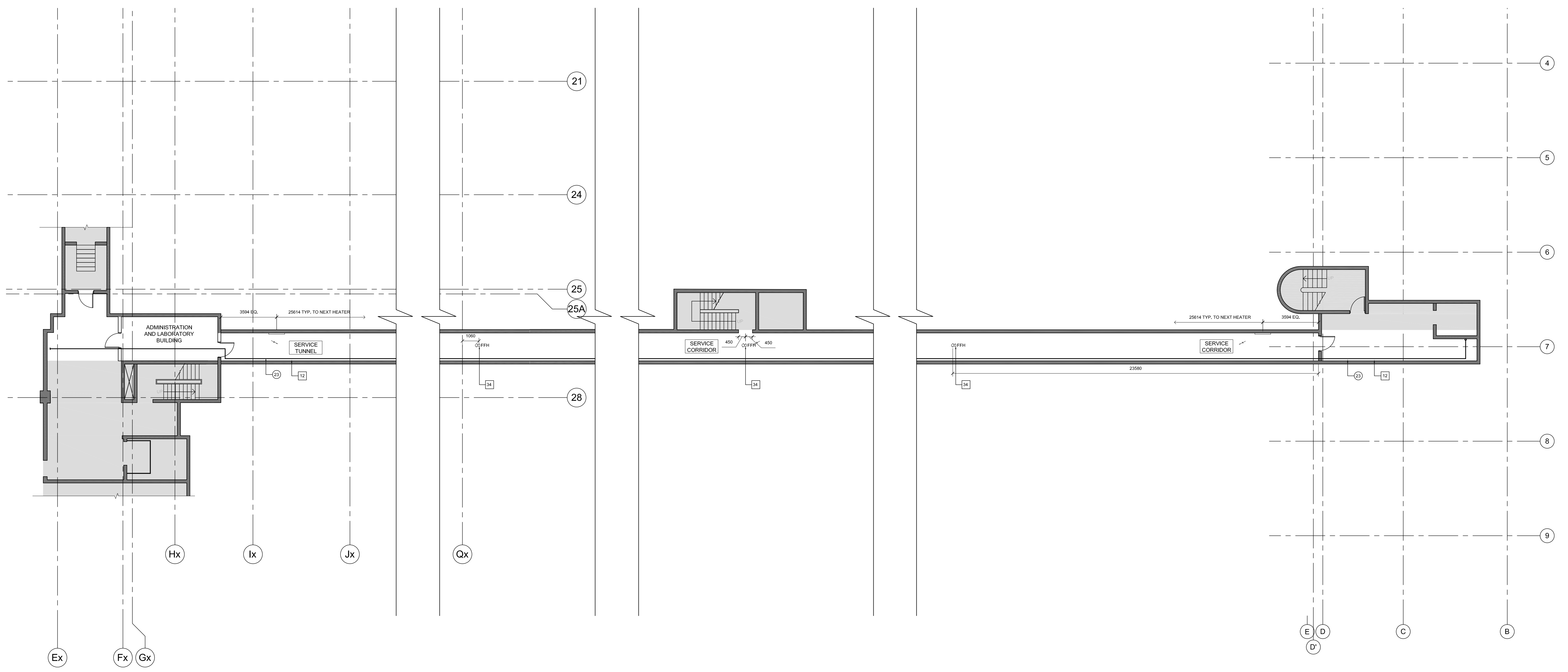
Stamp



KEY PLAN
N.T.S.



LOCATION PLAN LEGEND	
	NOT IN SCOPE OF WORK
	EXISTING WALL TO REMAIN
DEMOLITION KEY NOTES	
(2)	REMOVE PIPING - REFER TO M1.30 FOR SCOPE
CONSTRUCTION KEY NOTES	
(12)	NEW GAS LINE REFER TO MECHANICAL DRAWINGS FOR INFORMATION
(14)	NEW FORCED FLOW HEATER REFER TO ELECTRICAL DRAWINGS



revision	issue	date
1	ISSUED FOR BID	04/11/2015

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A	Detail No.
B	No. of detail
C	drawing no. - where detail required
D	drawing no. - where detailed
E	drawing no. - where detailed

project title
titre du projet
**CANADA CENTRE FOR
INLAND WATERS**
867 LAKESHORE ROAD BURLINGTON,
ONTARIO, L7R 4A6
LABS, AHUs, AND HEATING
UPGRADE

drawing title
titre du dessin
**A&L BUILDING SERVICE TUNNEL
PLAN**

drawn by
dessiné par
JC

designed by
conçu par
GG

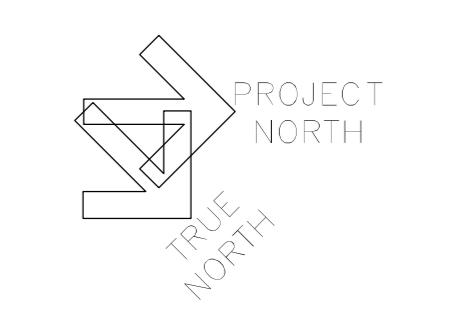
approved by
approuvé par
RN

project date
date du projet
2015-07-13

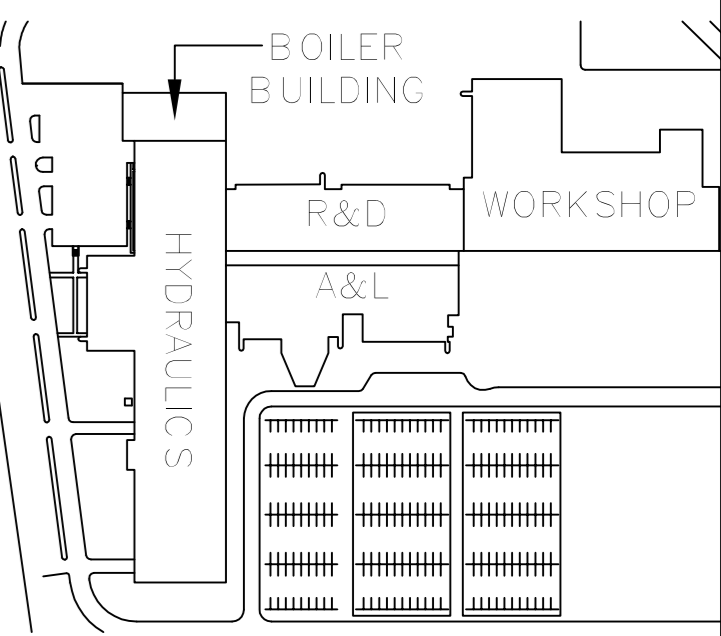
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no. du projet
R.073578.001
DIALOG NO. 03946T0200

drawing no.
dessiné no.
A1.10

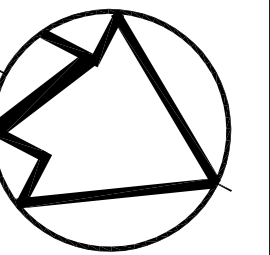
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A1.10
A&L SERVICE TUNNEL PLAN
SCALE: 1:100



Stamp

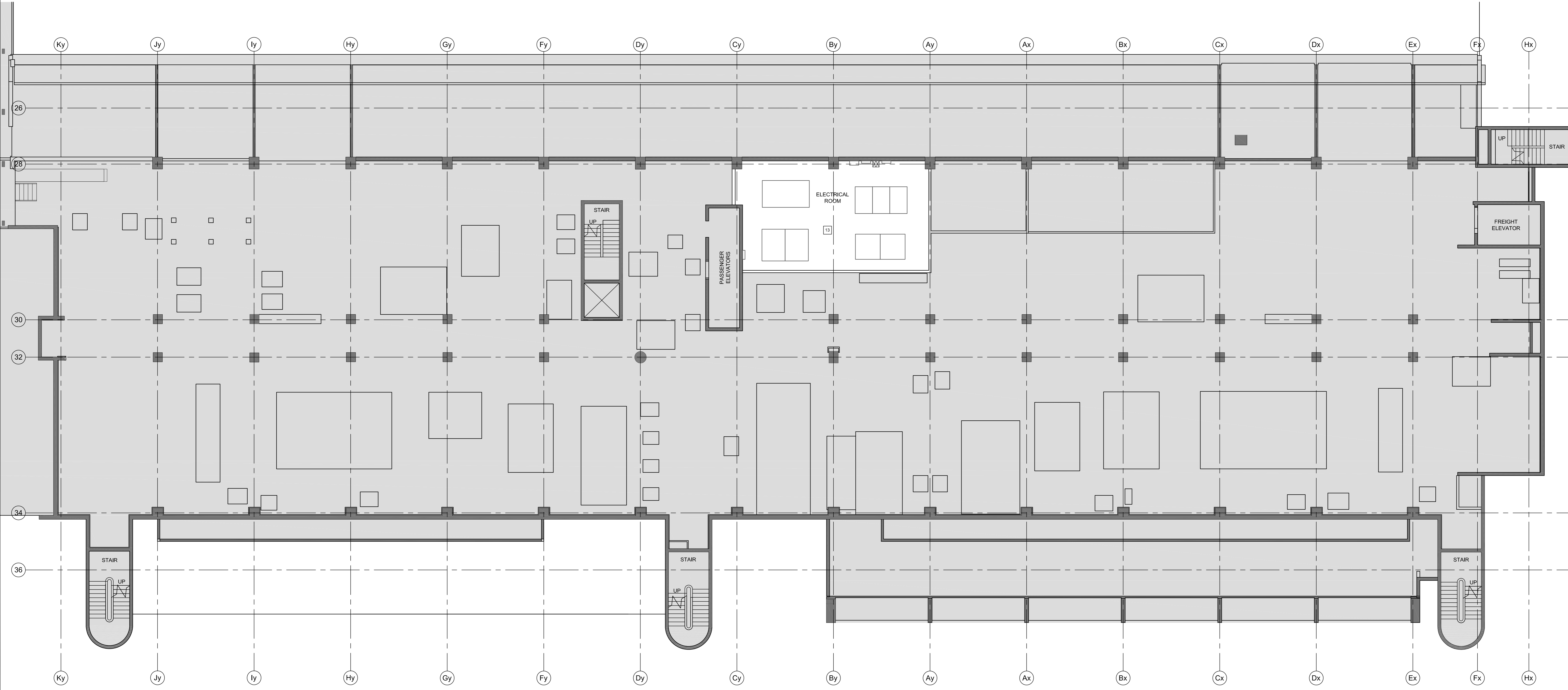


KEY PLAN
N.T.S.



LOCATION PLAN LEGEND	
	NOT IN SCOPE OF WORK
	EXISTING WALL TO REMAIN

CONSTRUCTION KEY NOTES	
13	REFER TO 3E2.10 FOR ELECTRICAL SCOPE OF WORK



revision	issue	date
1	ISSUED FOR BID	04/11/2015

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	A	Detail No.
	B	No. du détail
	C	drawing no. - where detail required
		dessin no. - où détail exigé
		drawing no. - where detailed
		dessin no. - où détaillé

project title
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**CANADA CENTRE FOR
INLAND WATERS**
867 LAKESHORE ROAD BURLINGTON,
ONTARIO, L7R 4A6
LABS, AHU, AND HEATING
UPGRADE

drawing title
titre du dessin
**A&L BUILDING THIRD FLOOR
PLAN**

drawn by
dessiné par
JC

designed by
conçu par
GG

approved by
approuvé par
RN

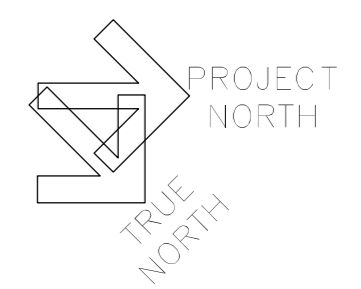
bid offer
offre
AM

project date
date du projet
2015-11-04

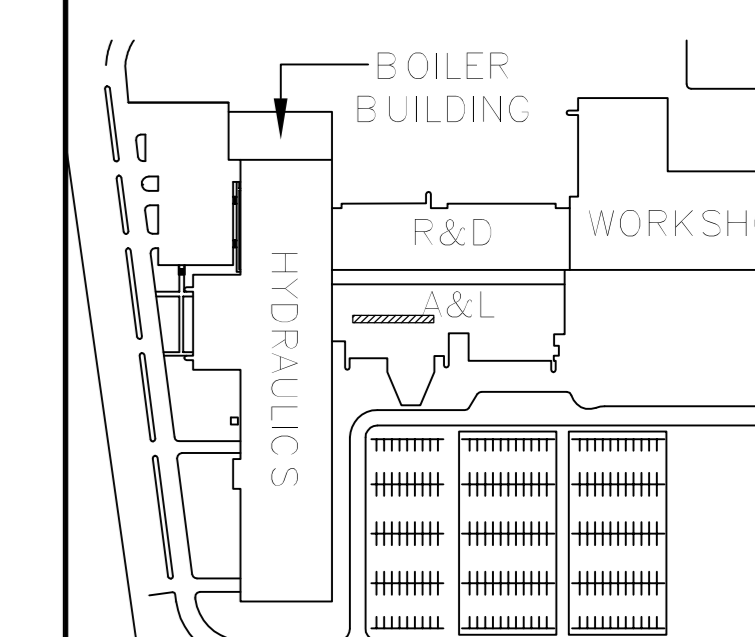
project no.
no. du projet
R.073578.001
DIALOG NO. 09946TG200

drawing no.
dessiné no.
A1.11

1 A&L BUILDING THIRD FLOOR PLAN
A1.11 SCALE: 1:100
0 1m 5m 10m



Stamp



KEY PLAN
N.T.S.

LOCATION PLAN LEGEND

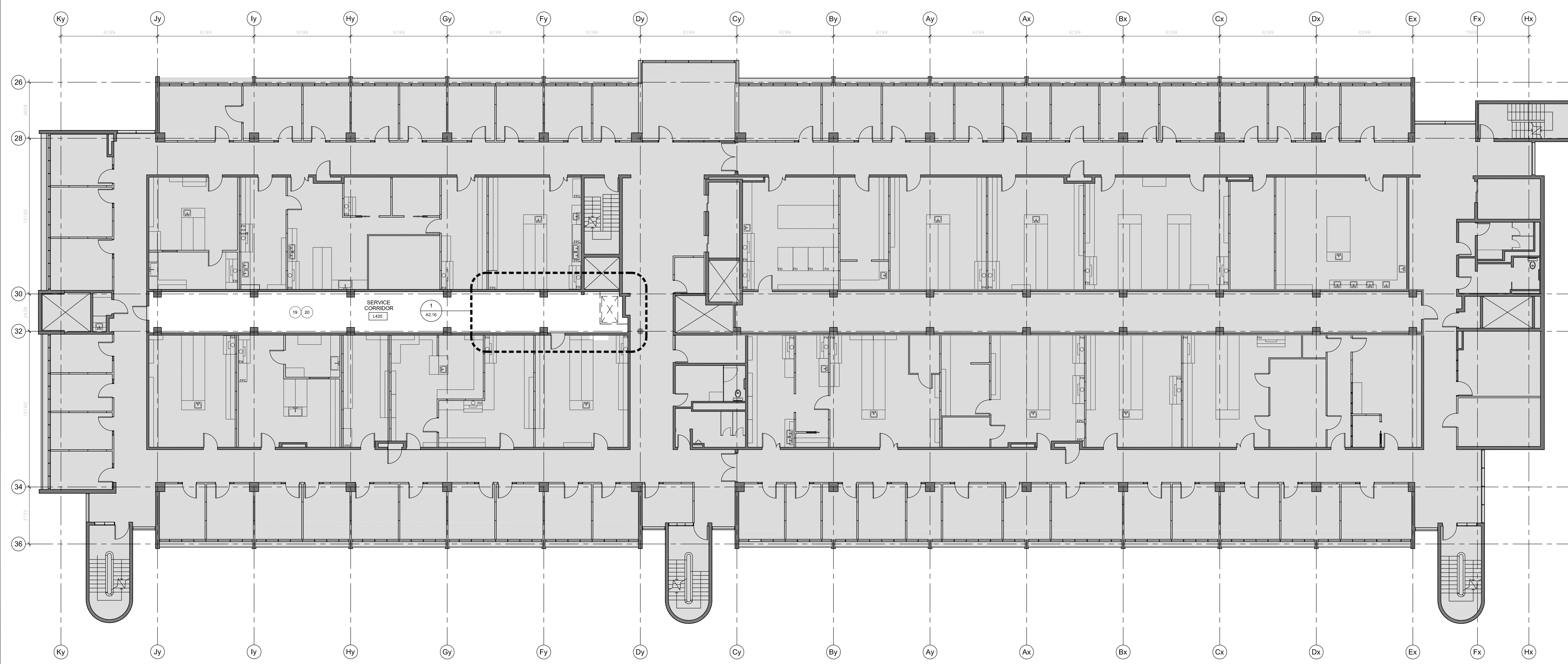
NOT IN SCOPE OF WORK

EXISTING WALL TO REMAIN

DEMOLITION KEY NOTES

① PATCH AND MAKE GOOD PENETRATIONS AND SURFACE DAMAGE RESULTING FROM DEMOLITION WORK

② FILL ALL OPEN PENETRATIONS IN FLOOR SLAB DUE TO DEMOLITION WORK. MAINTAIN FIRE SEPARATION RATING. REFER TO STRUCTURAL DRAWINGS S1.01 FOR INFILL DETAILS.



revision	issue	date
1	ISSUED FOR BID	13/07/2015

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A Detail No.
B drawing no. - where detail required
C drawing no. - where detailed

project title
titre du projet

**CANADA CENTRE FOR
INLAND WATERS**
867 LAKESHORE ROAD BURLINGTON,
ONTARIO, L7R 4A6
LABS, AHU, AND HEATING
UPGRADE

drawing title
titre du dessin

**A&L BUILDING FOURTH FLOOR
PLAN**

drawn by
dessiné par

JC

designed by
conçu par

GG

approved by
approuvé par

RN

bid offer
offre

AM

project date
date du projet

2015-11-04

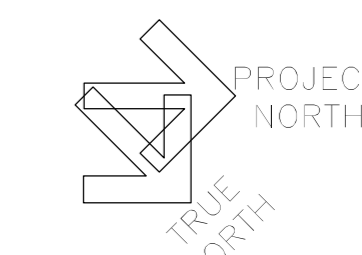
project no.
no. du projet

R.073578.001
DIALOG NO. 03946TG200

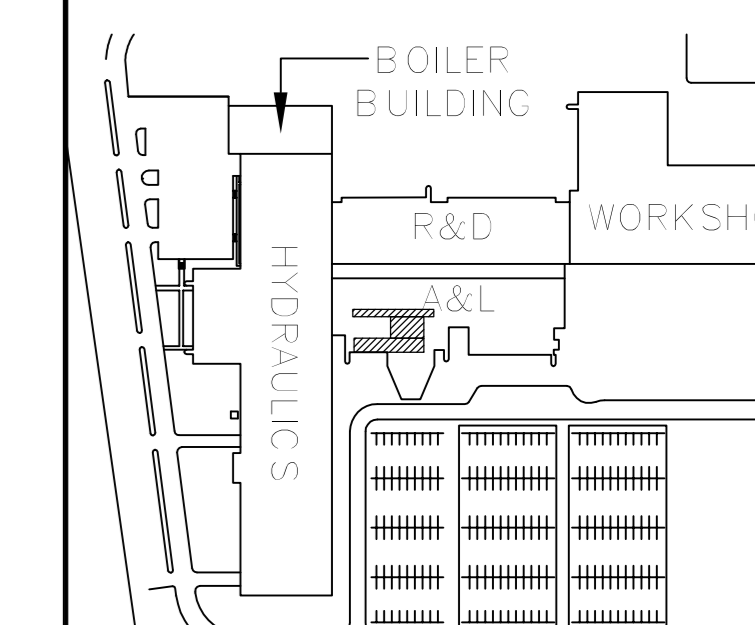
drawing no.
dessiné no.

A1.12

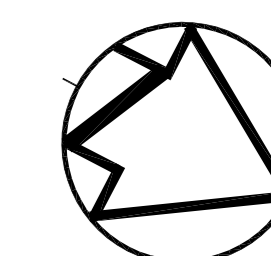
1 A&L BUILDING FOURTH FLOOR PLAN
A1.12 SCALE: 1/100



Stamp



KEY PLAN
N.T.S.



LOCATION PLAN LEGEND

NOT IN SCOPE OF WORK

EXISTING WALL TO REMAIN

LIFE SAFETY

FIRE ACCESS ROUTE

EXIT

TD TRAVEL DISTANCE

FIRE SEPARATION

2 HOURS FIRE RATED SEPARATION

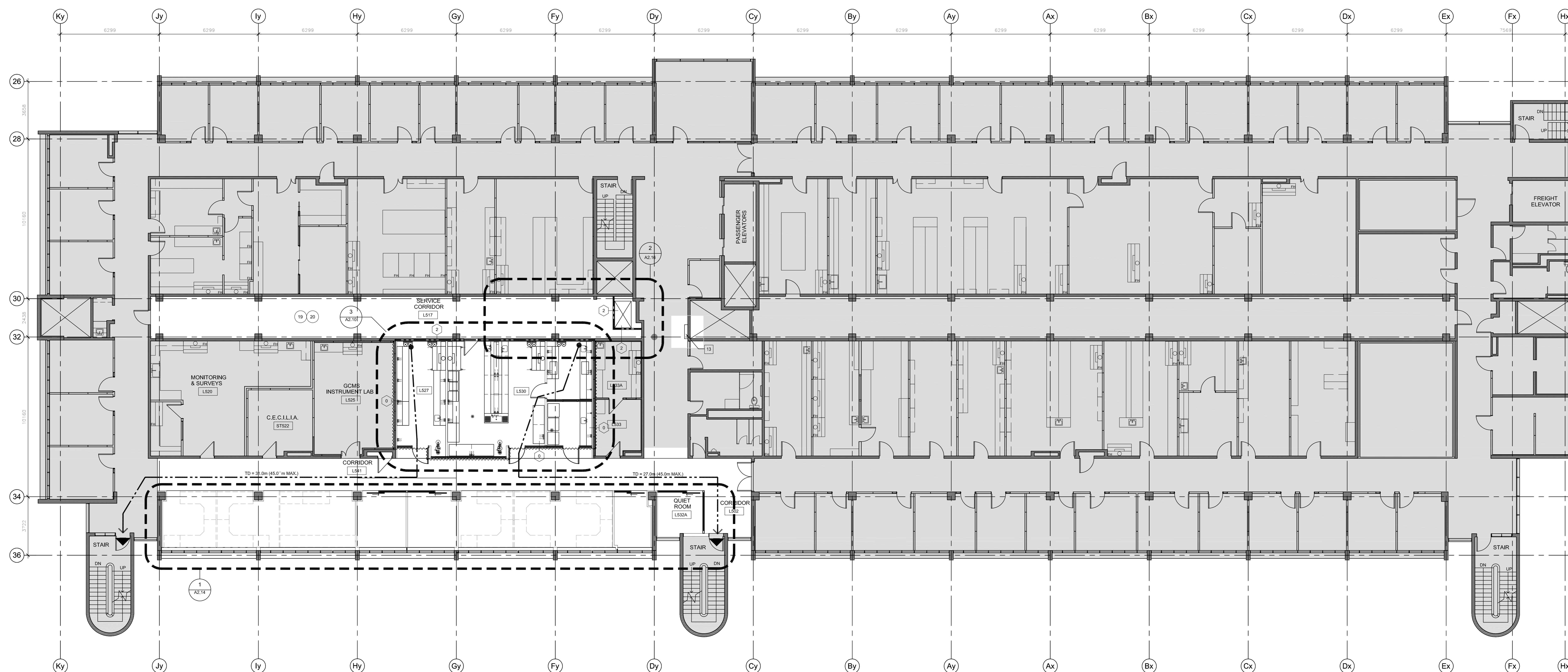
DEMOLITION KEY NOTES

19 PATCH AND MAKE GOOD PENETRATIONS AND SURFACE DAMAGE RESULTING FROM DEMOLITION WORK

20 FILL ALL OPEN PENETRATIONS IN FLOOR SLAB DUE TO DEMOLITION WORK. MAINTAIN FIRE SEPARATION RATING. REFER TO STRUCTURAL DRAWINGS S1.01 FOR INFILL DETAILS.

CONSTRUCTION KEY NOTES

13 REFER TO S&L 10 FOR ELECTRICAL SCOPE OF WORK



revision	issue	date
1	ISSUED FOR BID	22/11/2015

Do not scale drawings. Verify all dimensions and conditions on site and accordingly notify the Departmental Representative of all discrepancies.

A Detail No.
B drawing no. - where detail required
C drawing no. - where detailed

project title
titre du projet

CANADA CENTRE FOR INLAND WATERS
867 LAKESHORE ROAD BURLINGTON,
ONTARIO, L7R 4A6
LABS, AHUs, AND HEATING
UPGRADE

drawing title
titre du dessin

**A&L BUILDING FIFTH FLOOR
PLAN**

drawn by
dessiné par JC

designed by
conçu par GG

approved by
approuvé par RN

bid
offre AM

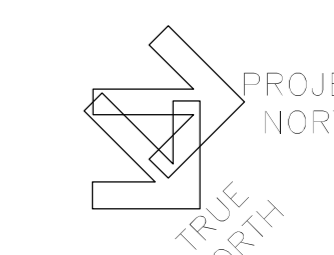
project manager
administrateur de projet

project date
date du projet 2015-11-04

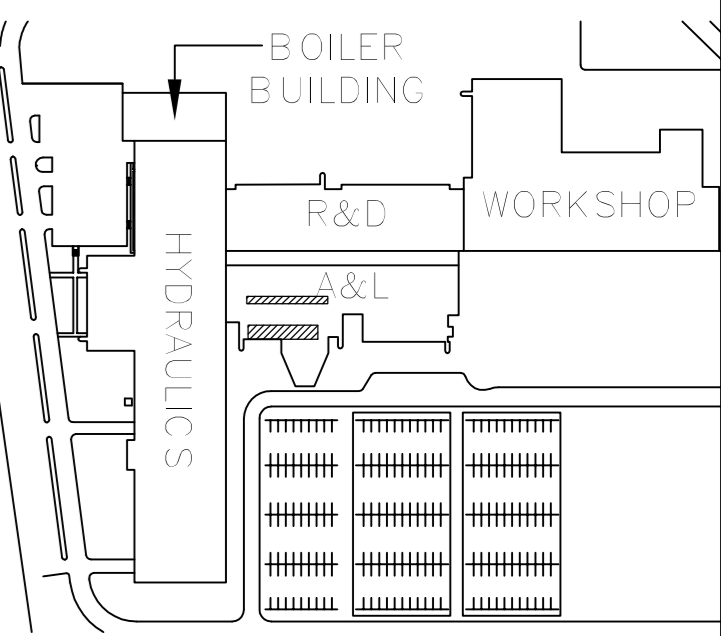
project no.
no. du projet R.073578.001
DIALOG NO. 09946TG200

drawing no.
dessiné no. A1.13

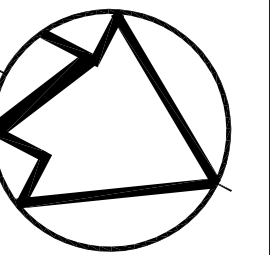
1 A&L BUILDING FIFTH FLOOR PLAN
A1.13
SCALE: 1:100



Stamp



KEY PLAN
N.T.S.



LOCATION PLAN LEGEND

NOT IN SCOPE OF WORK

EXISTING WALL TO REMAIN

LIFE SAFETY

FIRE ACCESS ROUTE

EXIT

TRAVEL DISTANCE

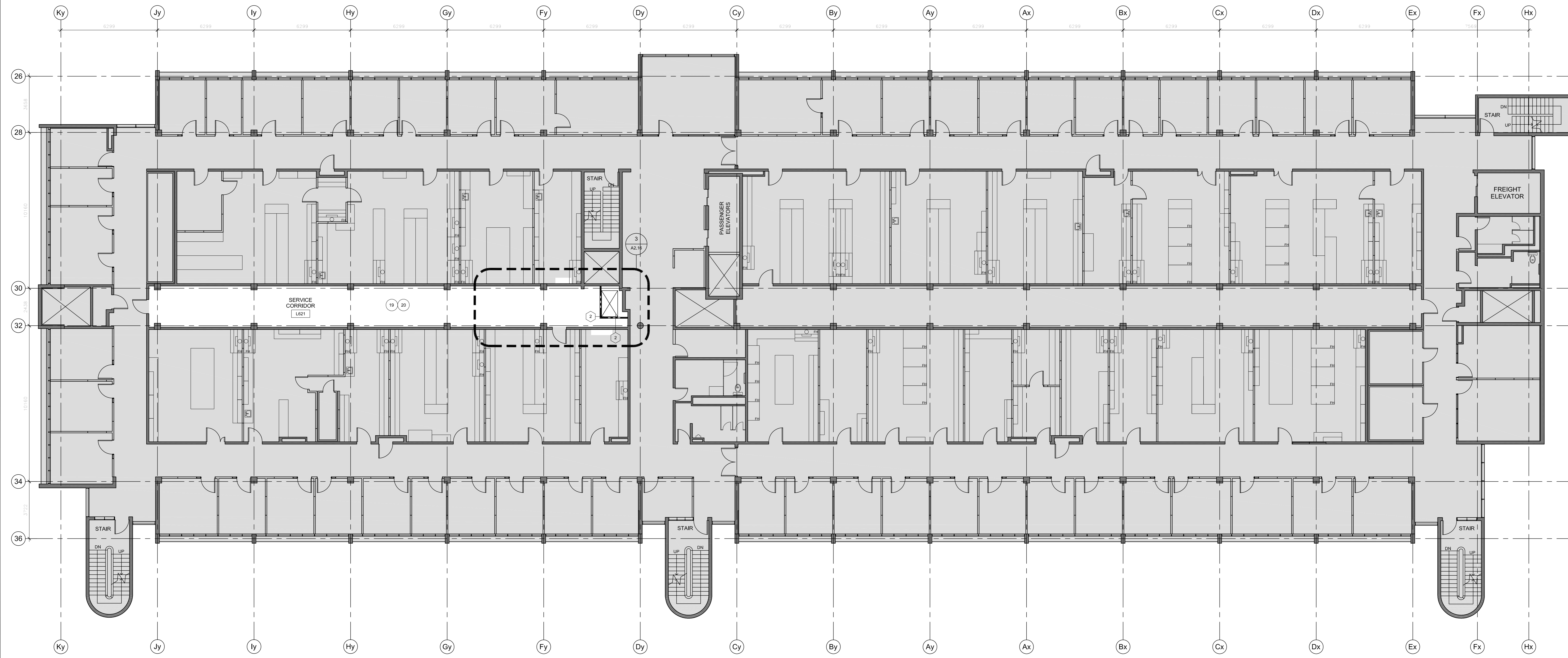
FIRE SEPARATION

2 HOURS FIRE RATED SEPARATION

DEMOLITION KEY NOTES

① PATCH AND MAKE GOOD PENETRATIONS AND SURFACE DAMAGE RESULTING FROM DEMOLITION WORK

② FILL ALL OPEN PENETRATIONS IN FLOOR SLAB DUE TO DEMOLITION WORK. MAINTAIN FIRE SEPARATION RATINGS. REFER TO STRUCTURAL DRAWINGS S1.01 FOR INFILL DETAILS.



revision	issue	date
1	ISSUED FOR BID	04/11/2015

Do not scale drawings. Verify all dimensions and conditions on site and as indicated, notify the Departmental Representative of all variations.

A	Detail No.
B	No. of detail
C	drawing no. - where detail required
	desin no. - ou detail exigé
	drawing no. - where detailed
	desin no. - ou détaillé

project title
titre du projet

**CANADA CENTRE FOR
INLAND WATERS**
867 LAKESHORE ROAD BURLINGTON,
ONTARIO, L7R 4A6
LABS, AHU, AND HEATING
UPGRADE

drawing title
titre du dessin

**A&L BUILDING SIXTH FLOOR
PLAN**

drawn by
dessiné par

JJ

designed by
conçu par

GG

approved by
approuvé par

RN

bid
offre

AM

project date
date du projet

2015-11-04

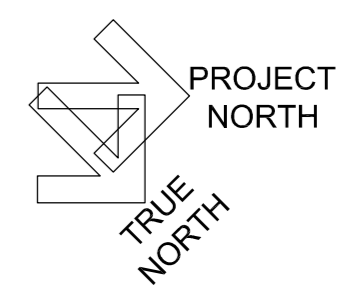
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no. du projet

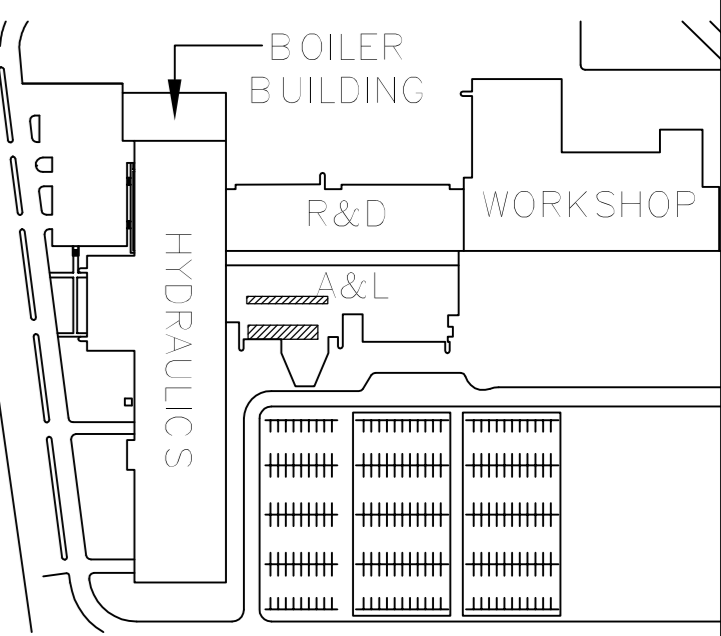
R.073578.001

drawing no.
dessiné no.

A1.14

1 A&L BUILDING SIXTH FLOOR PLAN
A1.14
SCALE: 1:100





KEY PLAN
N.T.S.

LOCATION PLAN LEGEND

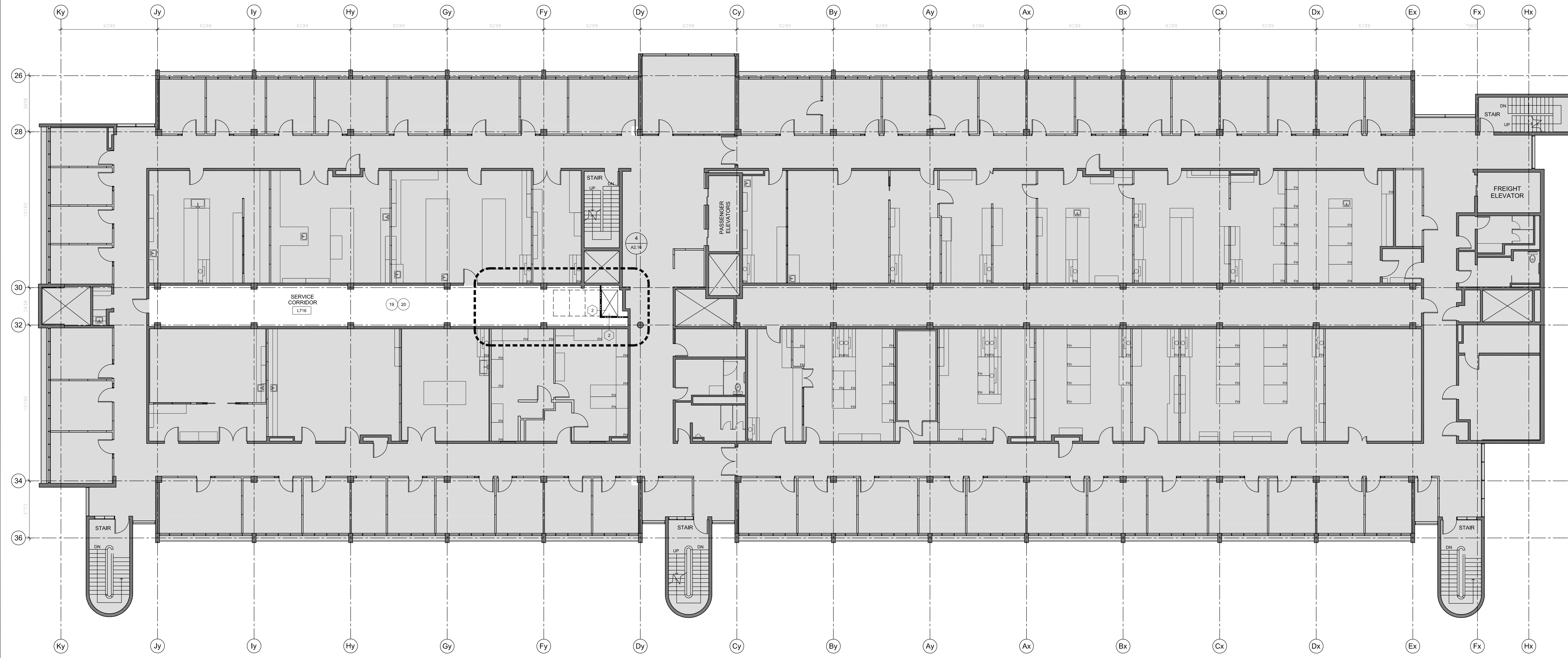
NOT IN SCOPE OF WORK
EXISTING WALL TO REMAIN

LIFE SAFETY

FIRE ACCESS ROUTE
EXIT
TD TRAVEL DISTANCE
FIRE SEPARATION
2 HOURS FIRE RATED SEPARATION

DEMOLITION KEY NOTES

PATCH AND MAKE GOOD PENETRATIONS AND SURFACE DAMAGE RESULTING FROM DEMOLITION WORK
FILL ALL OPEN PENETRATIONS IN FLOOR SLAB DUE TO DEMOLITION WORK. MAINTAIN FIRE SEPARATION RATINGS. REFER TO STRUCTURAL DRAWINGS S1.01 FOR INFILL DETAILS.



revision	issue	date
1	ISSUED FOR BID	04/11/2015

Do not scale drawings. Verify all dimensions and conditions on site and accordingly notify the Departmental Representative of all

A	Detail No.
B	No. of detail
C	drawing no. - where detail required
	desin no. - ou detail exigé
	drawing no. - where detailed
	desin no. - ou détaillé

project title
titre du projet
CANADA CENTRE FOR INLAND WATERS
867 LAKESHORE ROAD BURLINGTON, ONTARIO, L7R 4A6
LABS, AHUs, AND HEATING UPGRADE

drawing title
titre du dessin
A&L BUILDING SEVENTH FLOOR PLAN

drawn by
dessiné par
JJ

designed by
conçu par
GG

approved by
approuvé par
RN

bid offer
AM

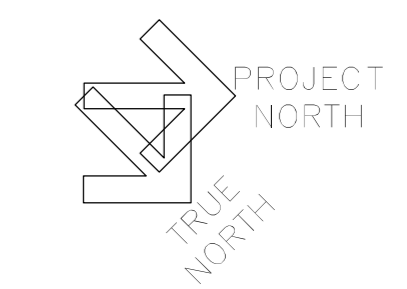
project date
date du projet
2015-11-04

project no.
no. du projet
R.073578.001

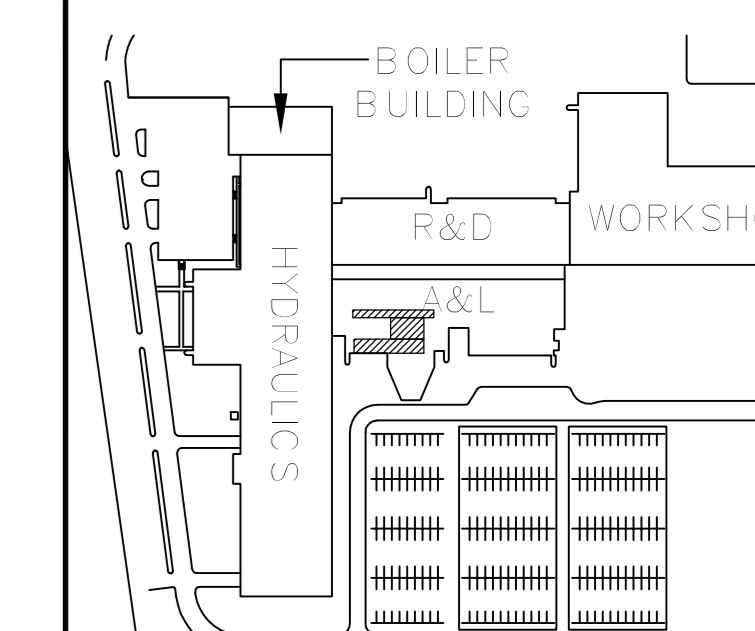
DIALOG NO. 03946T0200

drawing no.
dessiné no.
A1.15

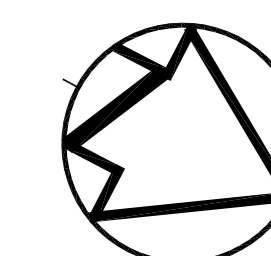
1 A&L BUILDING SEVENTH FLOOR PLAN
A1.15
SCALE: 1:100
0 1m 5m 10m



Stamp



KEY PLAN
N.T.S.



LOCATION PLAN LEGEND

NOT IN SCOPE OF WORK

EXISTING WALL TO REMAIN

DEMOLITION KEY NOTES

20 FILL ALL OPEN PENETRATIONS IN FLOOR SLAB DUE TO DEMOLITION WORK. MAINTAIN FIRE SEPARATION RATING. REFER TO STRUCTURAL DRAWINGS S1.01 FOR INFILL DETAILS.

21 DEMOLISH HOUSEKEEPING PADS REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT DEMOLITION

24 REMOVE EXISTING PATIO STONES AND RAILING

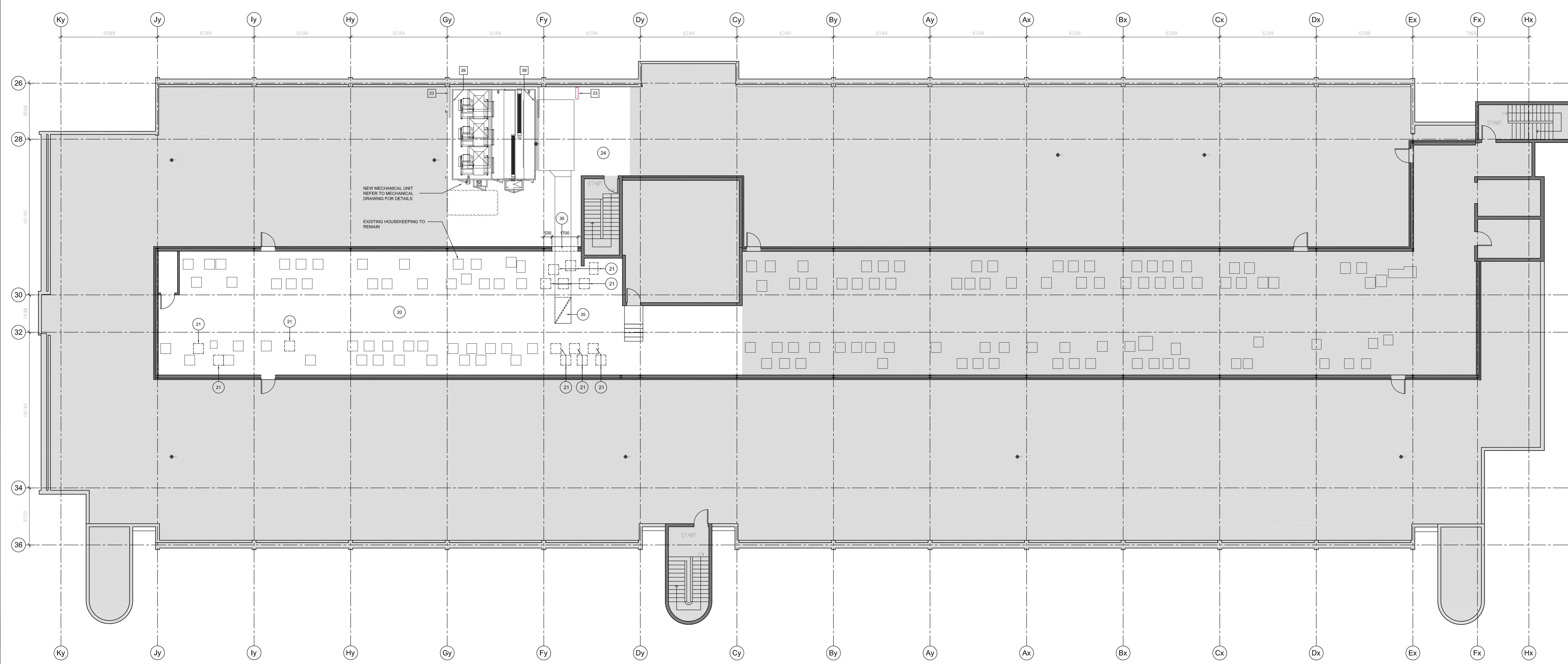
25 RELOCATE EXISTING ROOF ACCESS LADDER AS INDICATED

35 NEW DUCT OPENING IN EXISTING CONCRETE SLAB. SITE VERIFY LOCATION. REFER TO STRUCTURAL DRAWING FOR DETAIL

36 CUT EXISTING WALL TO SUIT NEW DUCT. SITE VERIFY LOCATION. REFER TO MECHANICAL DRAWINGS.

CONSTRUCTION KEY NOTES

22 NEW METAL FENCE. FENCE TO MATCH RAILING DETAIL 4/A6.01.



revision	issue	date
1	ISSUED FOR BID	04/11/2015

Do not scale drawings. Verify all dimensions and conditions on site and accordingly notify the Departmental Representative of all variations.

A Detail No.
B No. of detail
C drawing no. - where detail required
drawing no. - ou detail exigé
drawing no. - where detailed
dessin no. - ou détaillé

project title
titre du projet

**CANADA CENTRE FOR
INLAND WATERS**
867 LAKESHORE ROAD BURLINGTON,
ONTARIO, L7R 4A6
LABS, AHUs, AND HEATING
UPGRADE

drawing title
titre du dessin

**A&L BUILDING ROOF
PLAN**

drawn by
dessiné par

JJ

designed by
conçu par

GG

approved by
approuvé par

RN

bid
offre

AM

project manager
administrateur de projet

project date
date du projet

2015-11-04

project no.
no. du projet

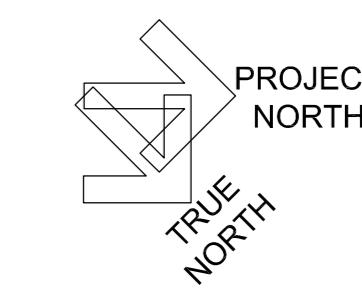
R.073578.001
DIALOG NO. 09946TG200

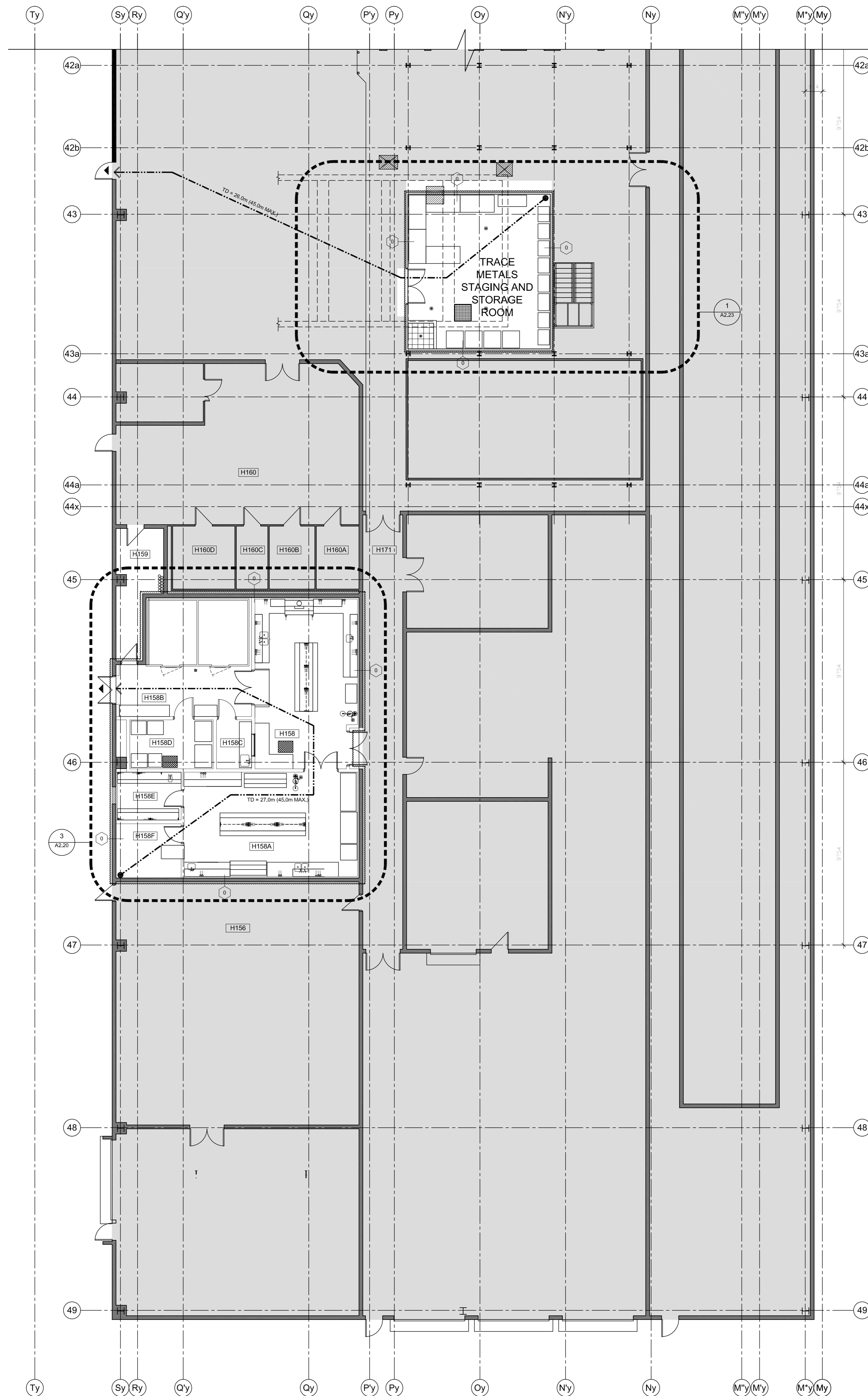
drawing no.
dessiné no.

A1.16

1 A&L BUILDING ROOF PLAN
A1.16 SCALE: 1:100

0 1m 5m 10m





1 HYDRAULICS WING FIRST FLOOR PLAN
 SCALE: 1:30
 0 1m 5m 10m
 TRUE NORTH

LOCATION PLAN LEGEND

NOT IN SCOPE OF WORK

EXISTING WALL TO REMAIN

LIFE SAFETY

FIRE ACCESS ROUTE

EXIT

TRAVEL DISTANCE

FIRE SEPARATION

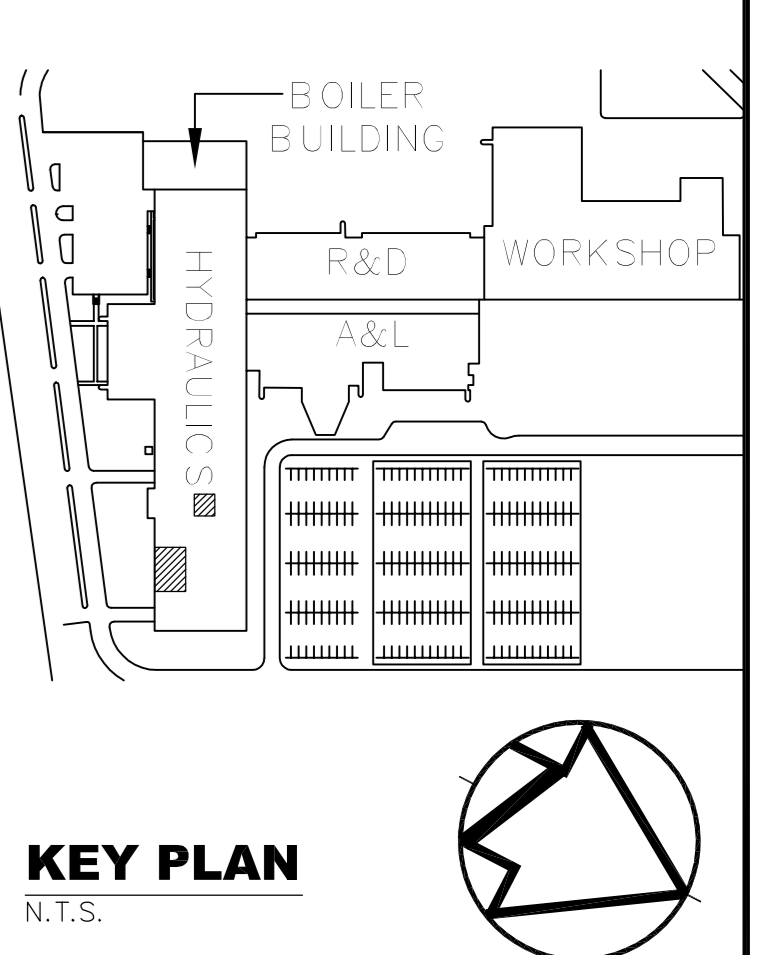
2 HOURS FIRE RATED SEPARATION

Public Works and Government Services Canada
 Travaux publics et Services gouvernementaux Canada

DIALOG

Stamp

ONTARIO ASSOCIATION OF ARCHITECTS
 JAMES H. HENDERSON
 LICENCE 5183



revision	issue	date
1	ISSUED FOR BID	04/11/2015

Do not scale drawings. Verify all dimensions and conditions on site and accordingly notify the Departmental Representative of all variations.

A Detail No. No. du détail
 B drawing no. - where detail required dessin no. - où détail exigé
 C drawing no. - where detailed dessin no. - où détaillé

project title
 titre du projet

CANADA CENTRE FOR INLAND WATERS
 867 LAKESHORE ROAD BURLINGTON,
 ONTARIO, L7R 4A6
 LABS, AHUs, AND HEATING UPGRADE

drawing title
 titre du dessin

HYDRAULICS WING FIRST FLOOR PLAN

drawn by
 dessiné par JJ

designed by
 conçu par GG

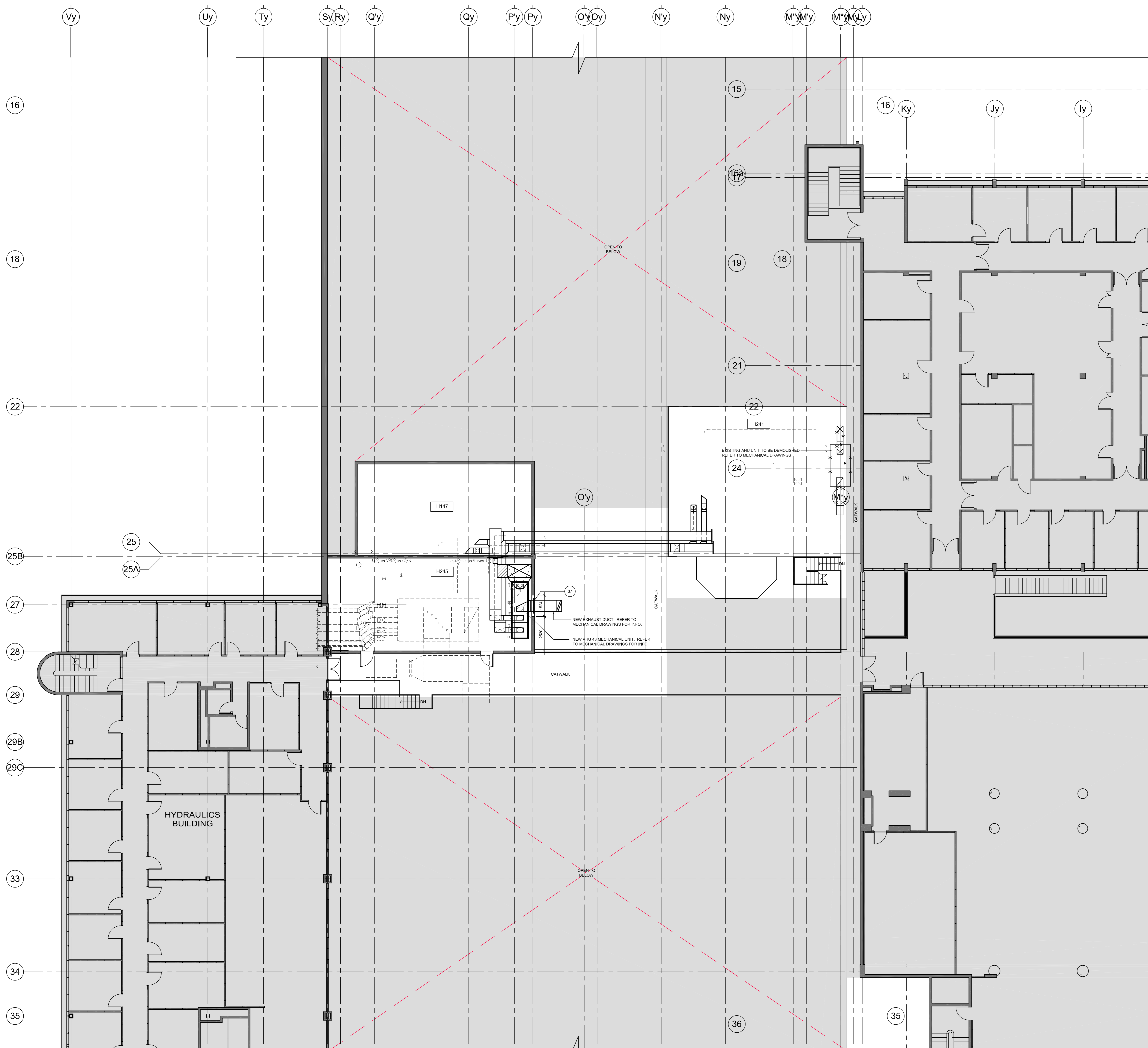
approved by
 approuvé par RN

bid offer AM project manager / administrateur de projet

project date / date du projet 2015-11-04

project no. / no. du projet R.073578.001
 DIALOG NO. 09946TG200

drawing no. / dessin no. A1.20



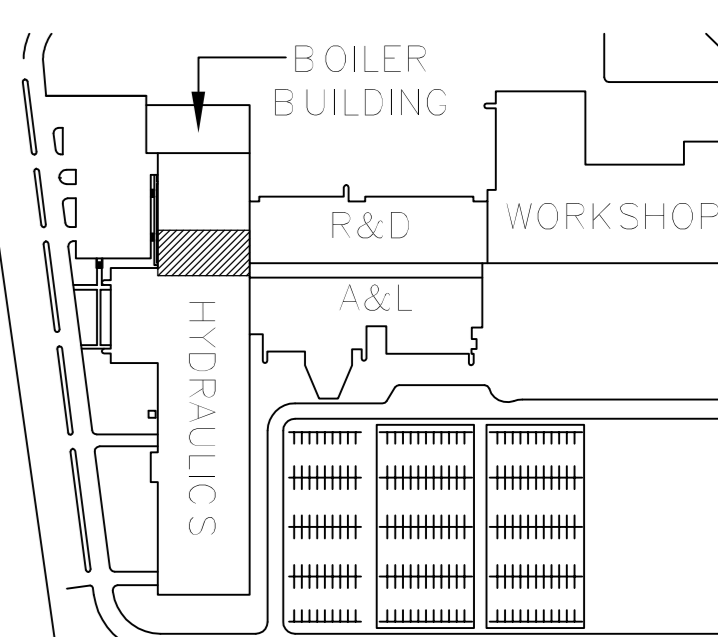
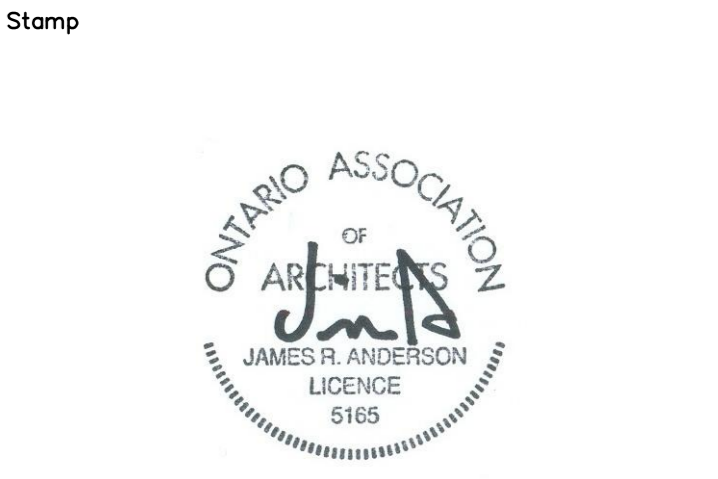
LOCATION PLAN LEGEND

NOT IN SCOPE OF WORK

EXISTING WALL TO REMAIN

DEMOLITION KEY NOTES

(17) INCREASE OPENING TO 1524mm. RELOCATE ELECTRICAL CONDUITS. SEE ELECTRICAL FILL OPENING WITH BLOCK TO MATCH EXISTING AFTER AHU#3 INSTALLATION.



KEY PLAN
N.T.S.

revision	issue	date
1	ISSUED FOR BID	04/11/2015

Do not scale drawings. Verify all dimensions and conditions on site and accordingly, notify the Departmental Representative of all variations.

A Detail No.
B No. of detail
C drawing no. - where detail required
drawing no. - where detailed
drawing no. - ou detaille

project title
titre du projet

CANADA CENTRE FOR INLAND WATERS
867 LAKESHORE ROAD BURLINGTON, ONTARIO, L7R 4A6
LABS, AHU, AND HEATING UPGRADE

drawing title
titre du dessin

HYDRAULICS WING MEZZANINE PLAN

drawn by
dessiné par JJ

designed by
conçu par GG

approved by
approuvé par RN

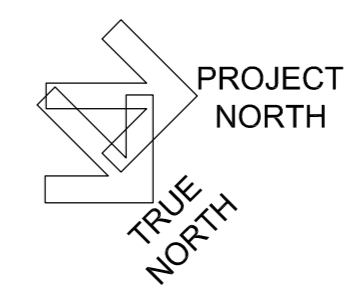
bid offer AM project manager / administrateur de projet

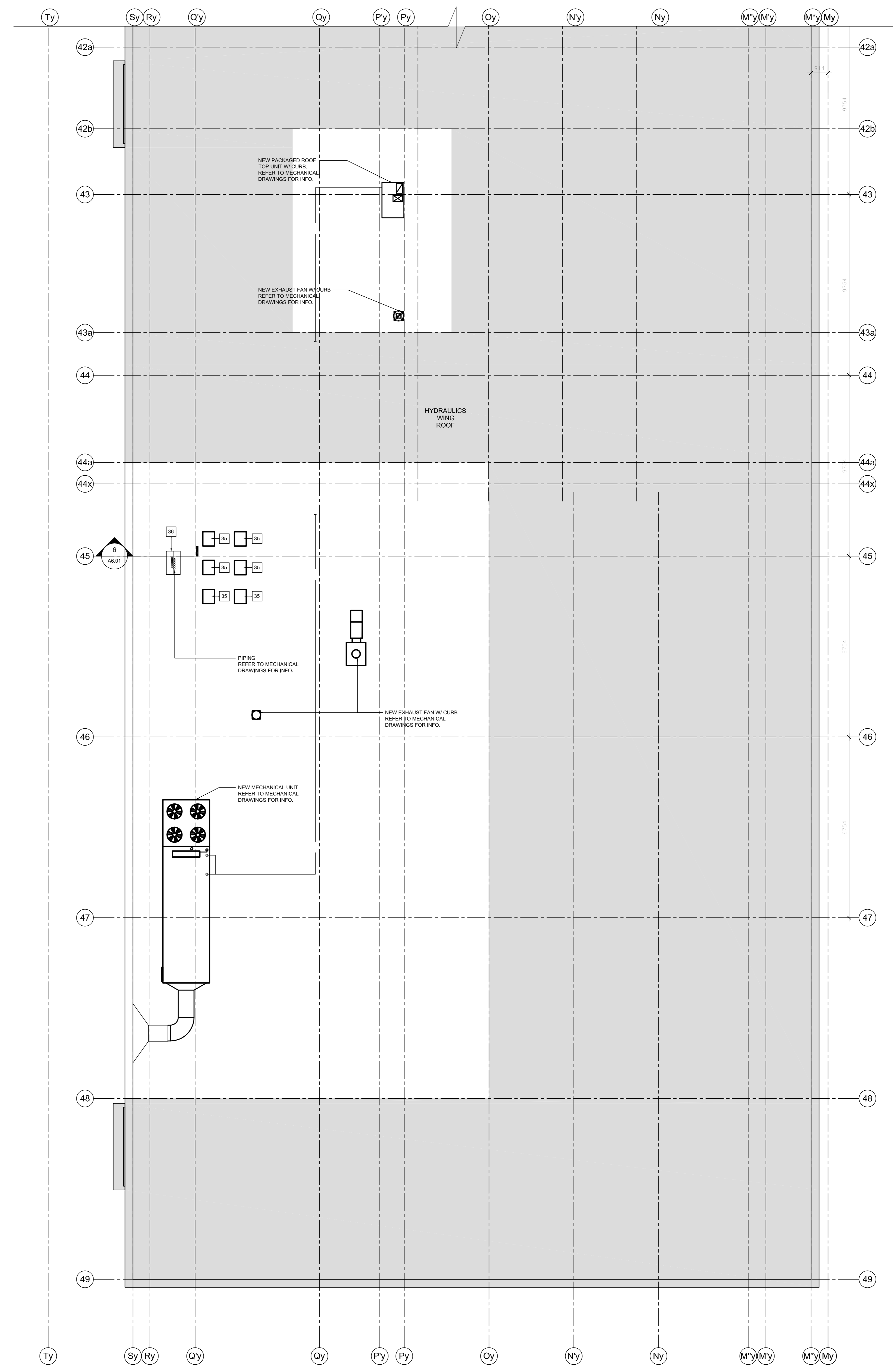
project date / date du projet 2015-11-04

project no. / no. du projet R.073578.001
DIALOG NO. 09946TG200

drawing no. / dessin no. A1.21

1 HYDRAULICS WING MEZZANINE PLAN
SCALE: 1/30
0 5m 10m





1 HYDRAULICS WING ROOF PLAN
 SCALE: 1:100
 0 1m 5m 10m

LOCATION PLAN LEGEND

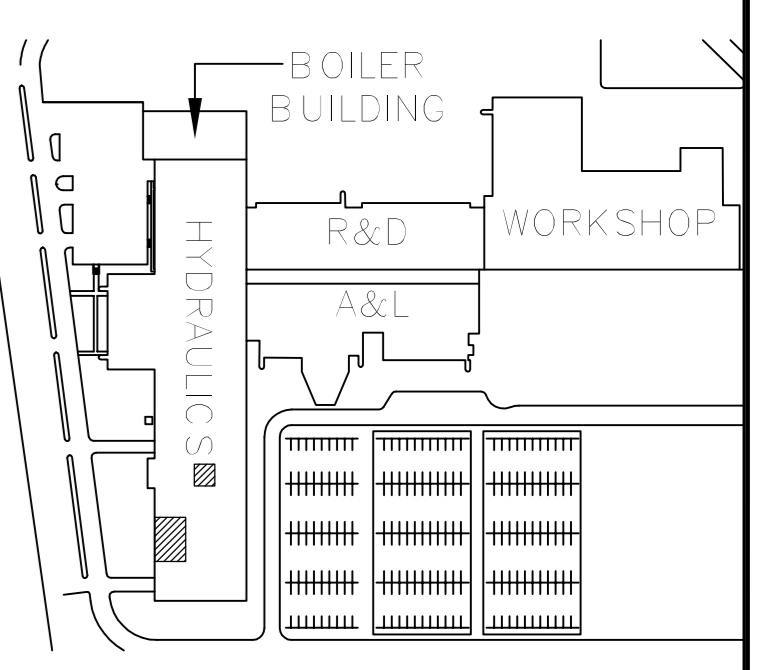
NOT IN SCOPE OF WORK

EXISTING WALL TO REMAIN

CONSTRUCTION KEY NOTES

35 NEW COMPRESSORS W/ SLEEPER CURB. REFER TO MECH. DWGS.

36 NEW 745 X 1250mm MECHANICAL DOGHOUSE. REFER TO 6/A6.01



KEY PLAN
 N.T.S.

revision	issue	date
1	ISSUED FOR BID	04/11/2015

Do not scale drawings. Verify all dimensions and conditions on site and standards with the Departmental Representative of all work items.

A Detail No.
 B drawing no. - where detail required
 C drawing no. - where detailed

project title
 titre du projet

CANADA CENTRE FOR INLAND WATERS
 867 LAKESHORE ROAD BURLINGTON,
 ONTARIO, L7R 4A6
 LABS, AHUs, AND HEATING UPGRADE

drawing title
 titre du dessin

HYDRAULICS WING ROOF PLAN

drawn by
 dessiné par JJ

designed by
 conçu par GG

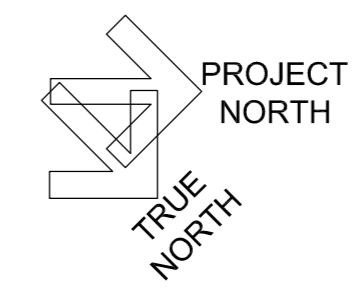
approved by
 approuvé par RN

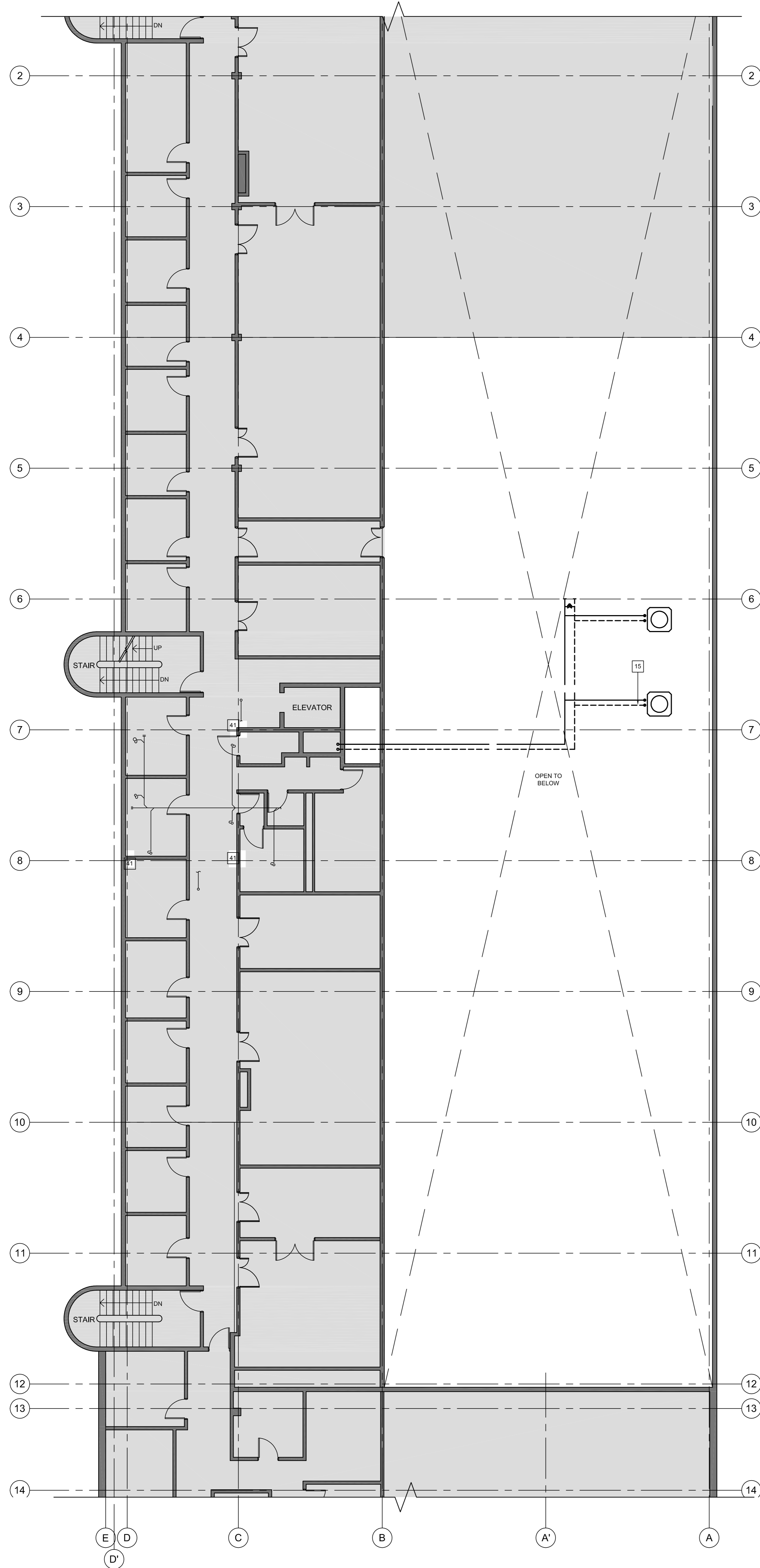
bid offer
 AM project manager
 administrateur de projet

project date
 date du projet 2015-11-04

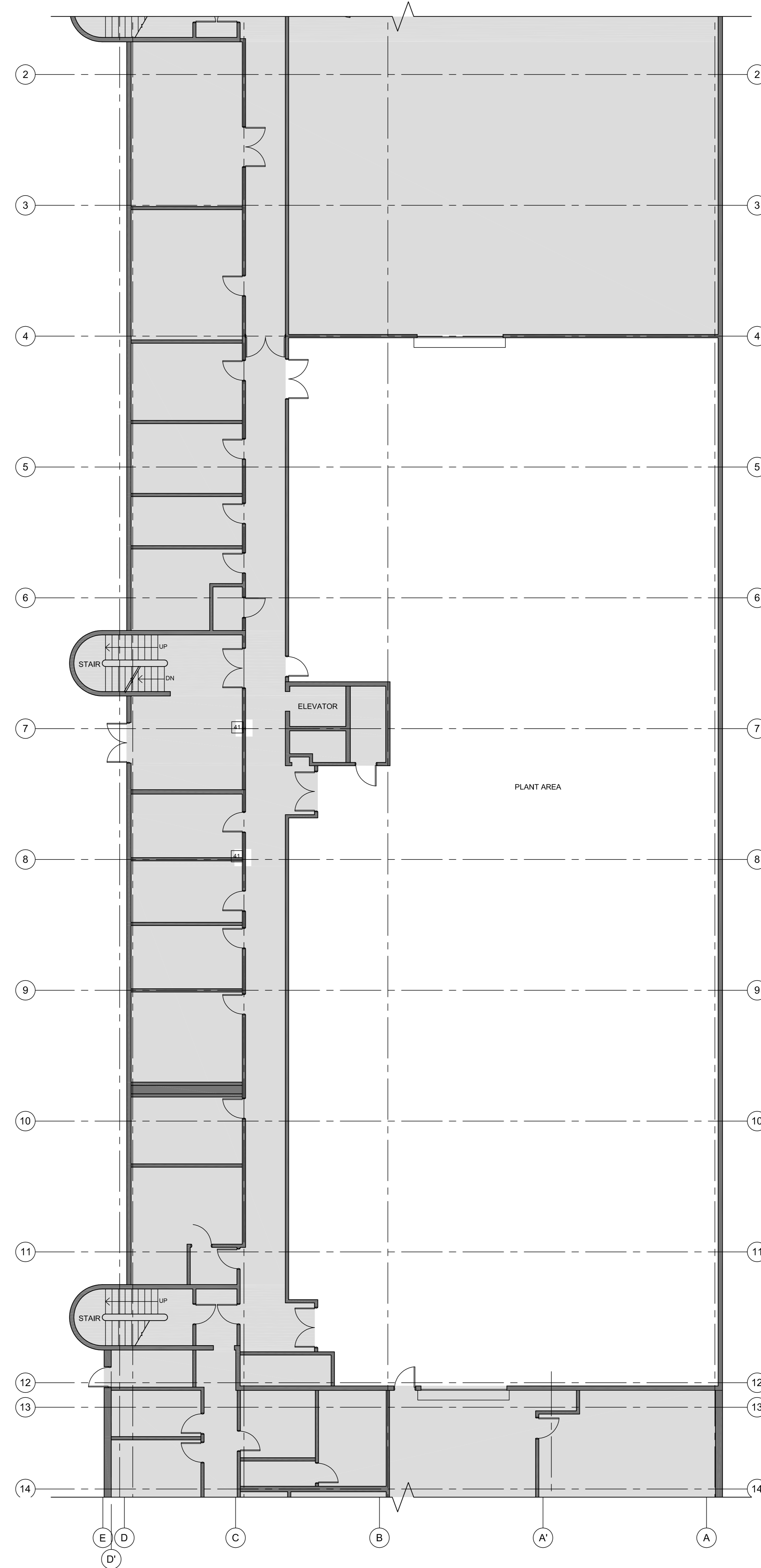
project no.
 no. du projet R.073578.001
 DIALOG NO. 09946TG200

drawing no.
 dessin no. A1.22





2 WTC SECOND FLOOR PLAN
 A1.30 SCALE: 1:100
 0 1m 5m 10m



1 WTC FIRST FLOOR PLAN
 A1.30 SCALE: 1:100
 0 1m 5m 10m

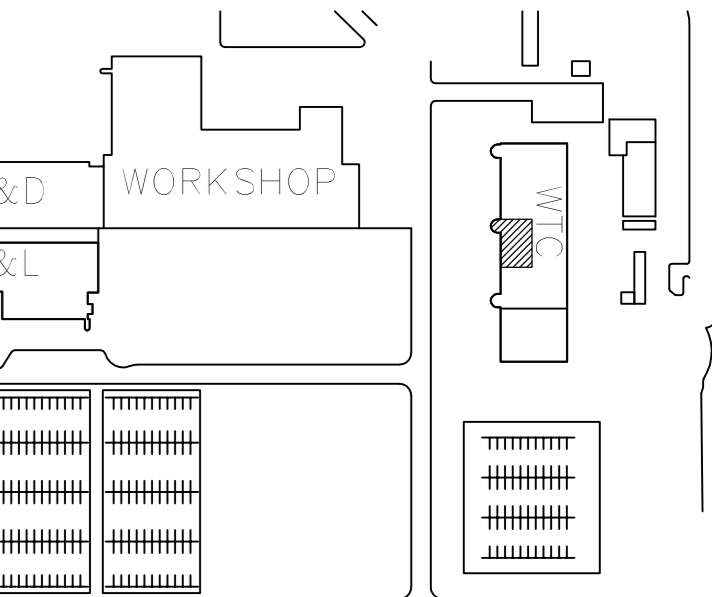
LOCATION PLAN LEGEND

- NOT IN SCOPE OF WORK
- EXISTING WALL TO REMAIN

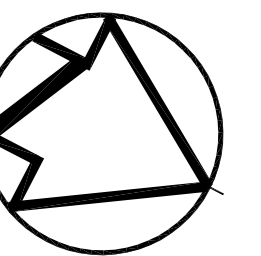
CONSTRUCTION KEY NOTES

- 15 NEW UNIT HEATERS. REFER TO M2.32 FOR INFORMATION
- 41 COLUMNS NOTED TO BE REINFORCED AS PER S2.03. DEMOLISH WALLS AS REQUIRED FOR ACCESS AND MAKE GOOD TO MATCH EXISTING.

Stamp



KEY PLAN
 N.T.S.



1	ISSUED FOR BID	04/11/2015
revision	issue	date

Do not scale drawings. Verify all dimensions and conditions on site and accordingly notify the Departmental Representative of all variations.

- A Detail No.
- B No. of detail
- C drawing no. - where detail required
- design no. - au detail exigé
- drawing no. - where detailed
- dessin no. - où détaillé

project title
 titre du projet
CANADA CENTRE FOR INLAND WATERS
 867 LAKESHORE ROAD BURLINGTON,
 ONTARIO, L7R 4A6
 LABS, AHU, AND HEATING
 UPGRADE

drawing title
 titre du dessin
**WTC BUILDING FIRST AND
 SECOND FLOOR PLAN**

drawn by
 dessiné par JJ

designed by
 conçu par GG

approved by
 approuvé par RN

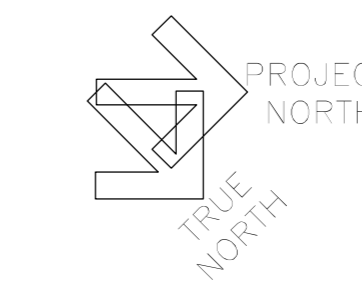
bid offer AM project manager
 administrateur de projet

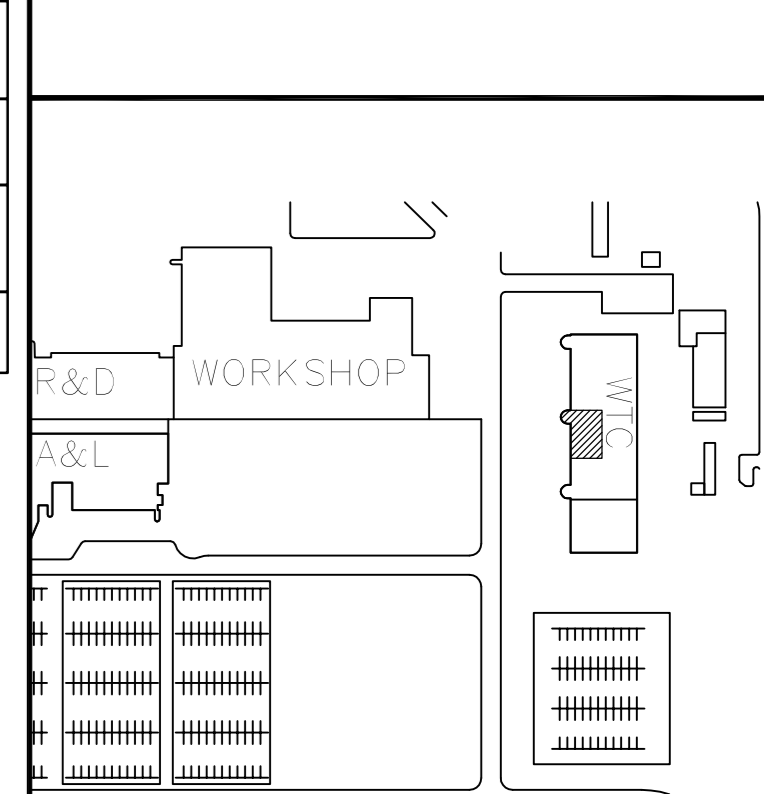
project date
 date du projet 2015-11-04

project no.
 no. du projet R.073578.001

drawing no.
 dessin no. DIALOG NO. 03946TG200

A1.30





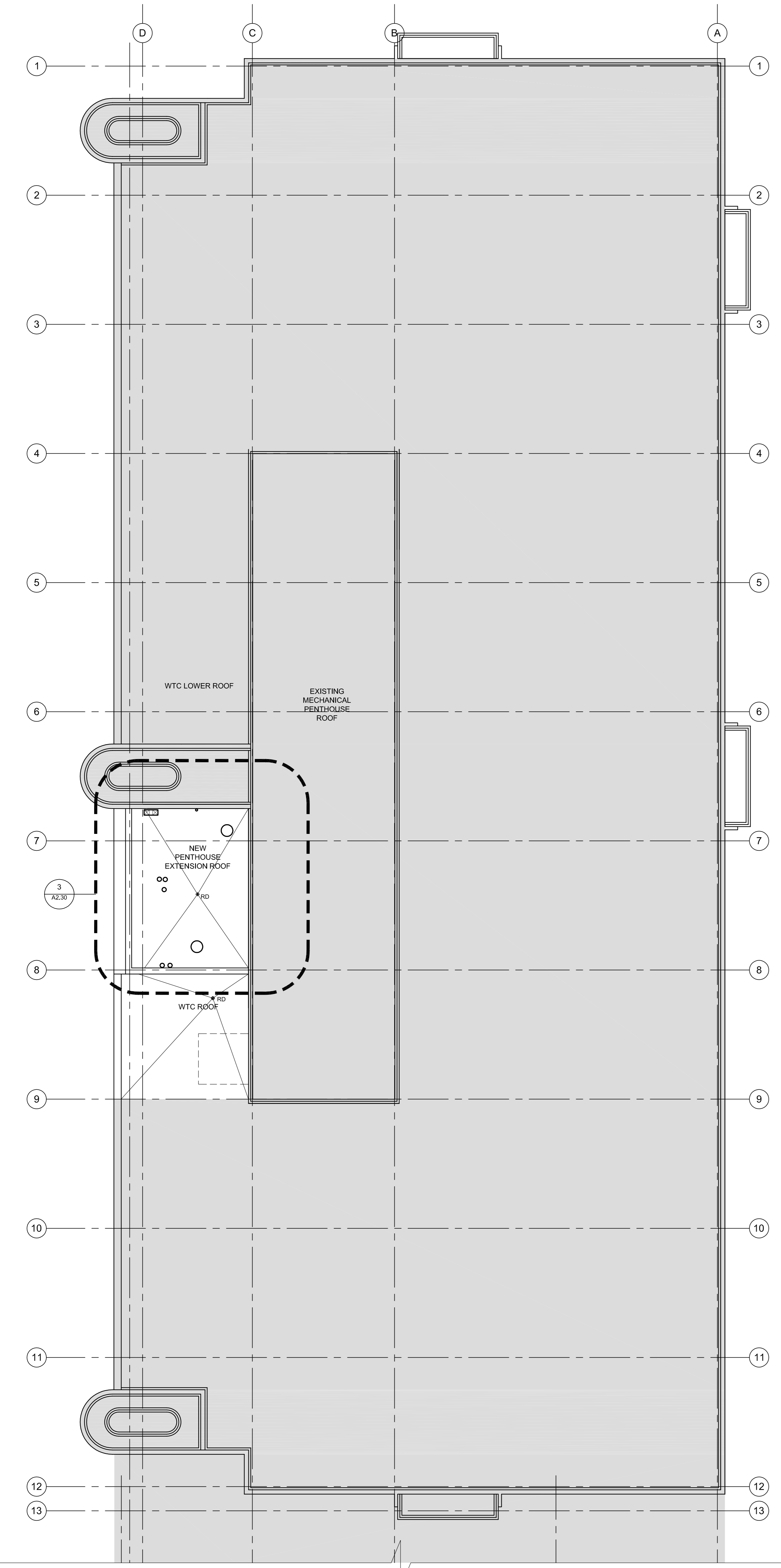
KEY PLAN
N.T.S.

LOCATION PLAN LEGEND	
	NOT IN SCOPE OF WORK
	EXISTING WALL TO REMAIN

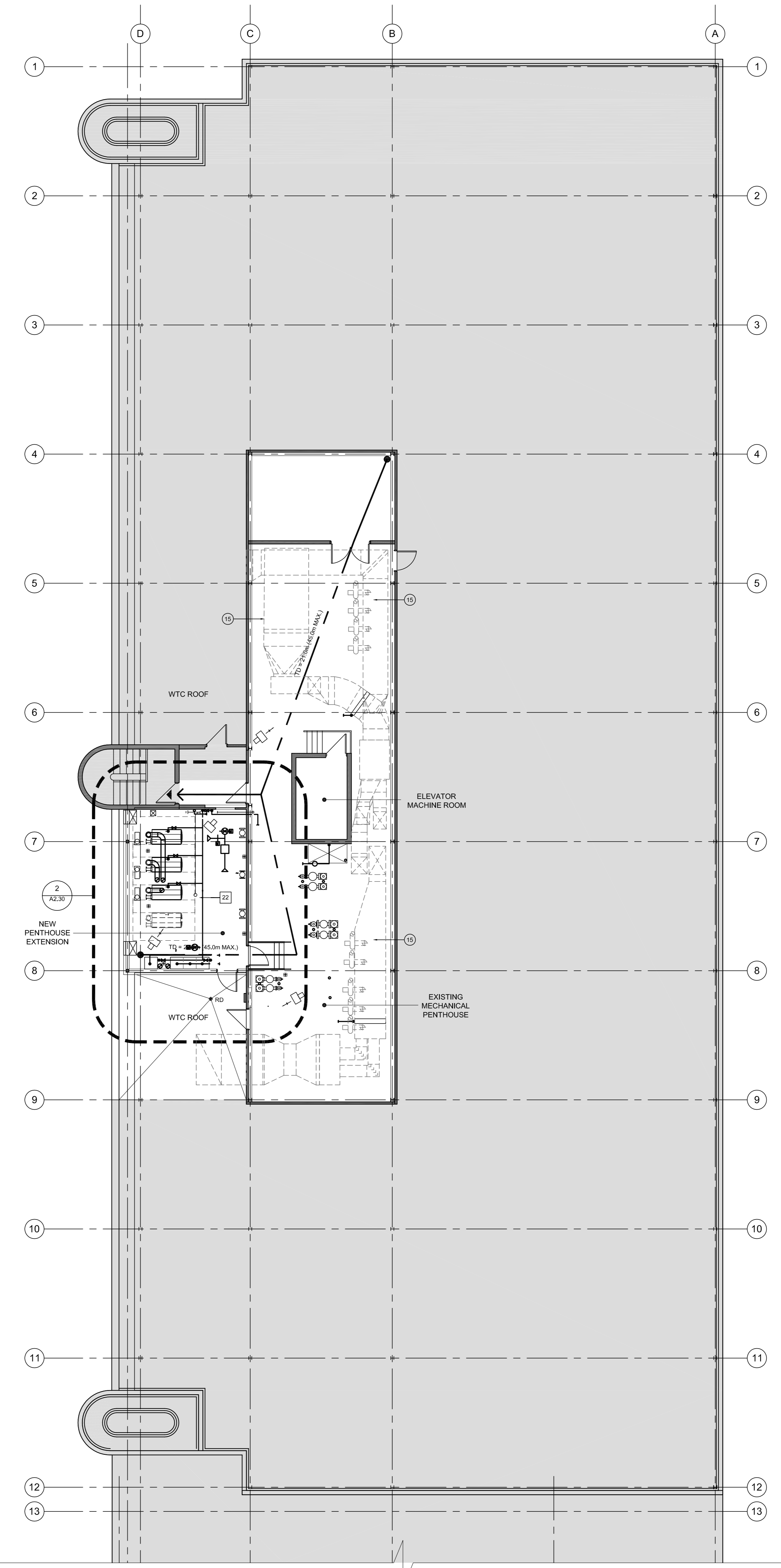
LIFE SAFETY	
	FIRE ACCESS ROUTE
	EXIT
	TRAVEL DISTANCE
	FIRE SEPARATION
	2 HOURS FIRE RATED SEPARATION

DEMOLITION KEY NOTES	
10	EXISTING MECHANICAL UNIT TO REMAIN REFER TO MECHANICAL DRAWINGS FOR INFORMATION

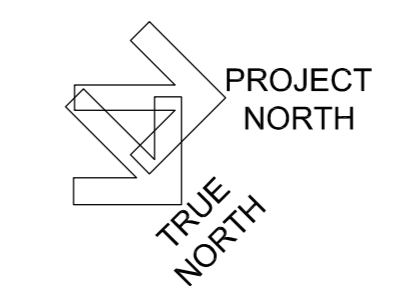
CONSTRUCTION KEY NOTES	
22	NEW MECHANICAL UNITS REFER TO MECHANICAL DRAWINGS FOR INFORMATION



2 WTC ROOF PLAN
A1.31 SCALE: 1:100
0 1m 5m 10m



1 WTC PENTHOUSE PLAN
A1.31 SCALE: 1:100
0 1m 5m 10m



revision	issue	date
1	ISSUED FOR BID	04/11/2015

Do not scale drawings. Verify all dimensions and conditions on site and accordingly notify the Department Representative of all variations.

A	Detail No. No. du détail
B	drawing no. - where detail required dessin no. - où détail exigé
C	drawing no. - where detailed dessin no. - où détaillé

project title
titre du projet

CANADA CENTRE FOR INLAND WATERS
867 LAKESHORE ROAD BURLINGTON,
ONTARIO, L7R 4A6
LABS, AHUs, AND HEATING UPGRADE

drawing title
titre du dessin

WTC BUILDING PENTHOUSE AND ROOF PLAN

drawn by
dessiné par

designed by
conçu par

approved by
approuvé par

bid offer
offre

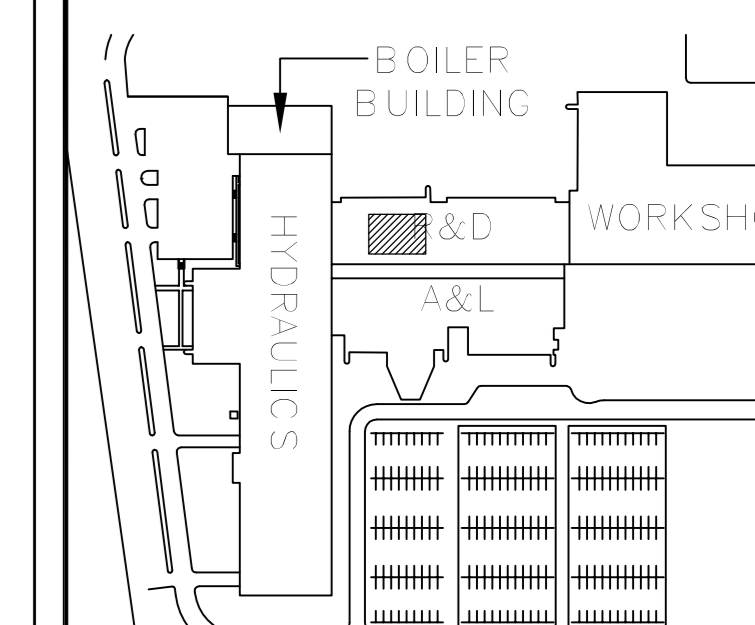
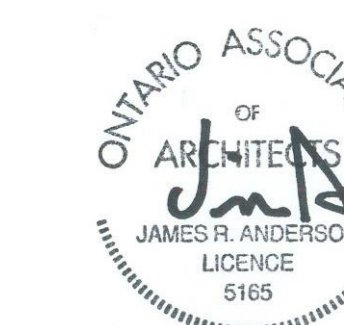
project date
date du projet

project no.
no. du projet

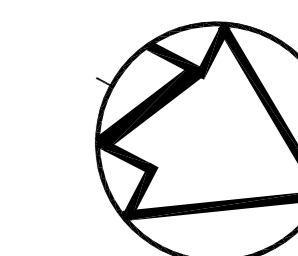
drawing no.
dessiné no.

2015-11-04
R.073578.001
DIALOG NO. 03946TC200
A1.31

Stamp



KEY PLAN
N.T.S.

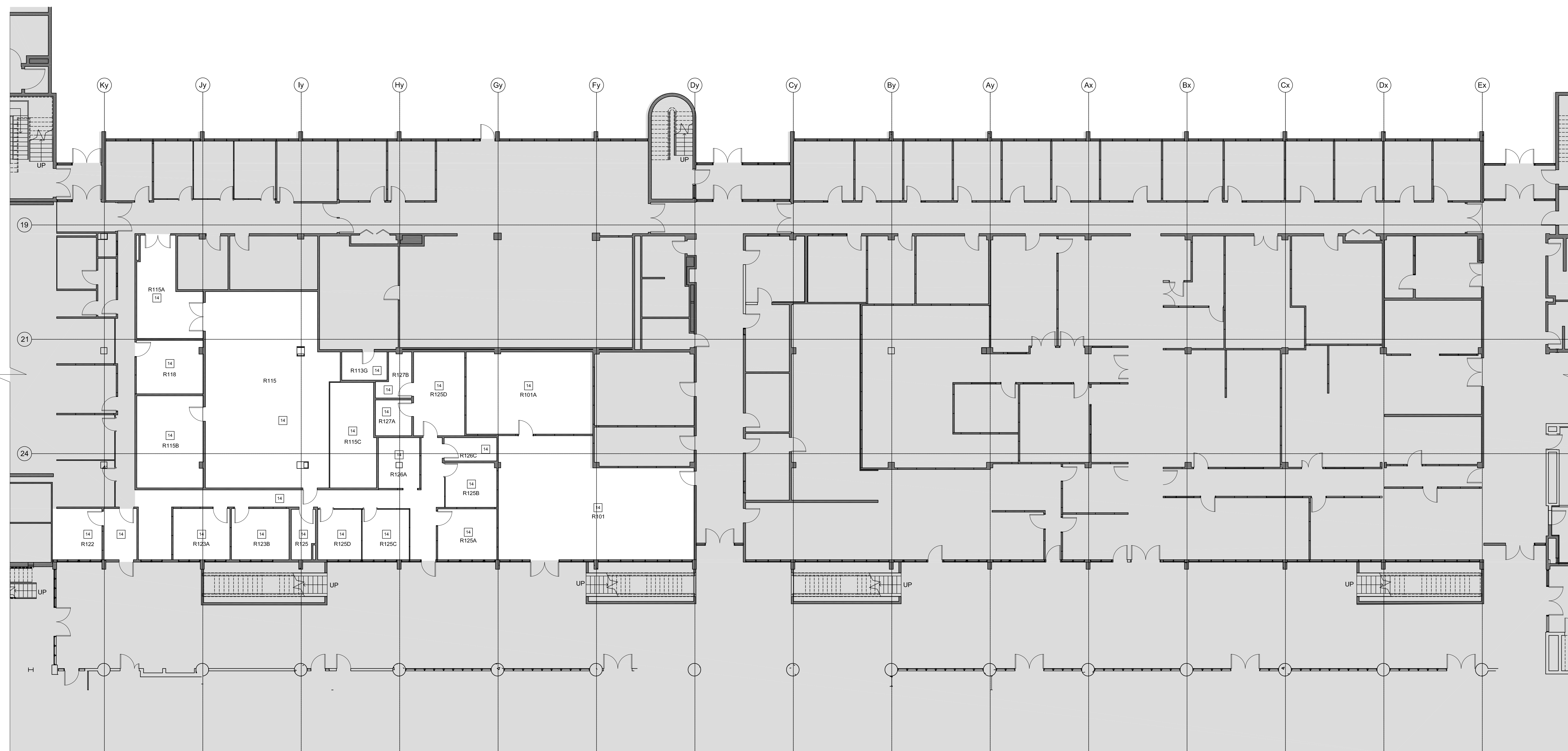


LOCATION PLAN LEGEND

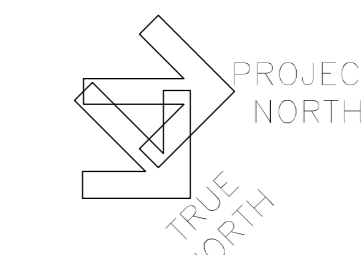
- NOT IN SCOPE OF WORK
- EXISTING WALL TO REMAIN

CONSTRUCTION KEY NOTES

14 REFER TO M1.20 & M2.20 FOR MECHANICAL SCOPE OF WORK. CEILING ARE 610 x 1220mm LAY-IN TILE. REPLACE TILES DAMAGED FROM MECH. WORK.



1 R&D GROUND FLOOR PLAN
SCALE: 1:100
0 1m 5m 10m



1	ISSUED FOR BID	04/11/2015
revision	issue	date

Do not scale drawings. Verify all dimensions and conditions on site and in the field. Notify the Departmental Representative of all discrepancies.

A	Detail No.	
B	No. of detail	
C	drawing no. - where detail required	
	desin no. - au detail exigé	
	drawing no. - where detailed	
	desin no. - où détaillé	

project title
titre du projet
**CANADA CENTRE FOR
INLAND WATERS**
867 LAKESHORE ROAD BURLINGTON,
ONTARIO, L7R 4A6
LABS, AHU, AND HEATING
UPGRADE

drawing title
titre du dessin
**R&D GROUND FLOOR
PLAN**

drawn by
dessiné par
JJ

designed by
conçu par
GG

approved by
approuvé par
RN

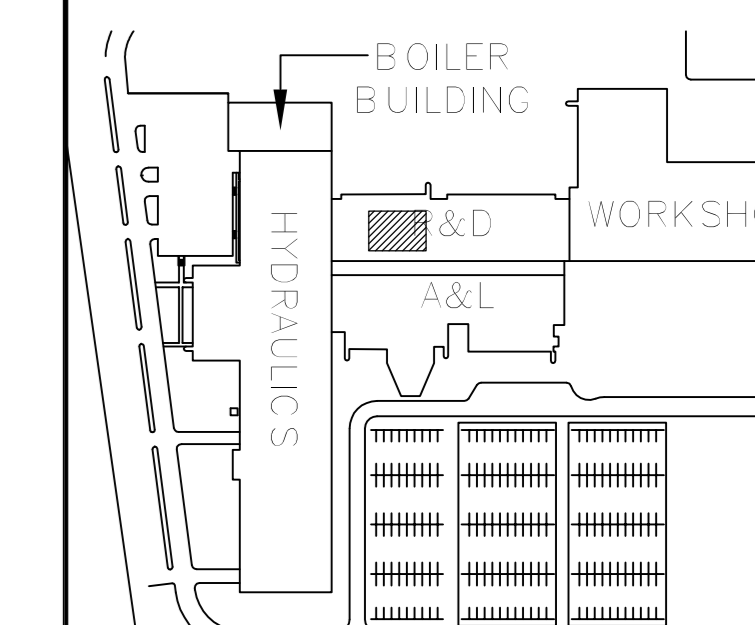
job
offre
AM

project date
date du projet
2015-11-04

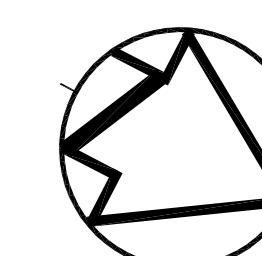
project no.
no. du projet
R.073578.001
DIALOG NO. 09946TG200

drawing no.
dessiné no.
A1.40

Stamp



KEY PLAN
N.T.S.



LOCATION PLAN LEGEND

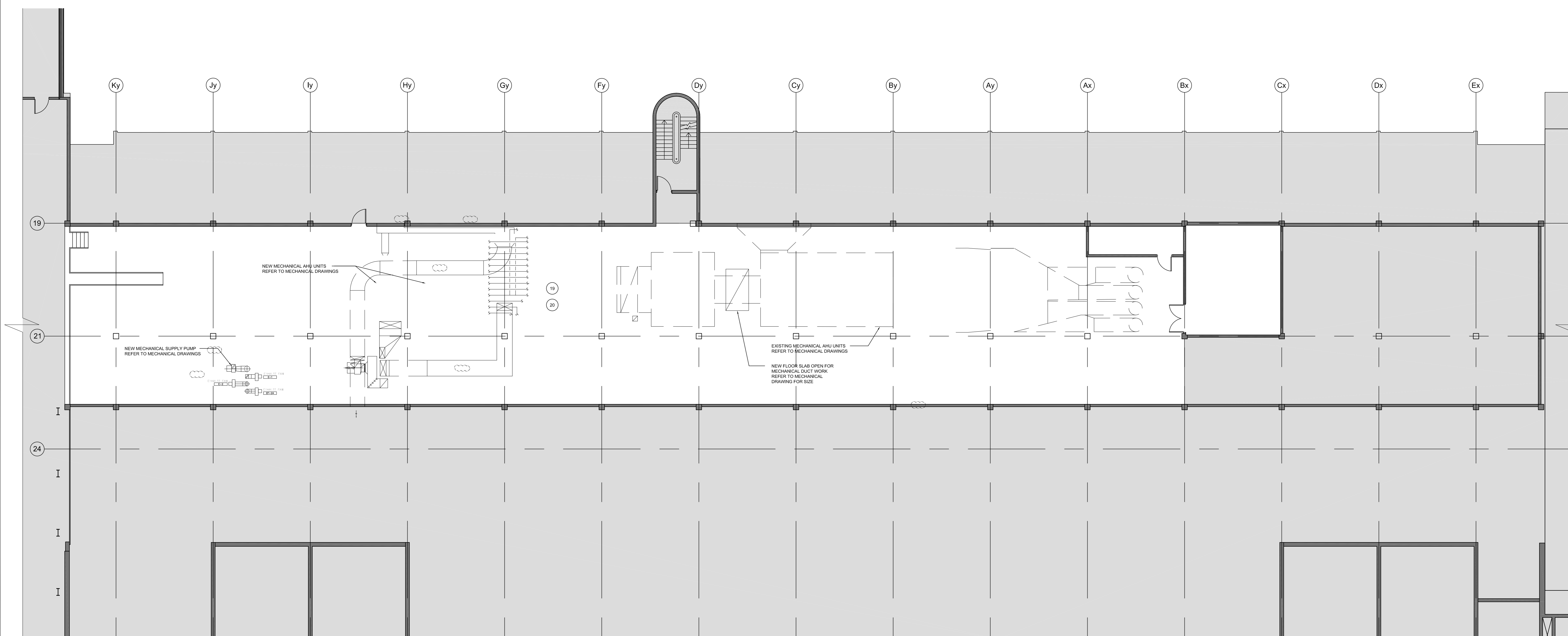
NOT IN SCOPE OF WORK

EXISTING WALL TO REMAIN

DEMOLITION KEY NOTES

⑰ PATCH AND MAKE GOOD PENETRATIONS AND SURFACE DAMAGE RESULTING FROM DEMOLITION WORK

⑱ FILL ALL OPEN PENETRATIONS IN FLOOR SLAB DUE TO DEMOLITION WORK. MAINTAIN FIRE SEPARATION RATING. REFER TO STRUCTURAL DRAWINGS S1.01 FOR INFILL DETAILS.



revision	issue	date
1	ISSUED FOR BID	04/11/2015

Do not scale drawings. Verify all dimensions and conditions on site and as indicated, notify the Departmental Representative of all discrepancies.

A Detail No. No. of detail
B drawing no. - where detail required
C drawing no. - where detailed
drawing no. - where detailed

project title
titre du projet

CANADA CENTRE FOR INLAND WATERS
867 LAKESHORE ROAD BURLINGTON,
ONTARIO, L7R 4A6
LABS, AHUs, AND HEATING UPGRADE

drawing title
titre du dessin

R&D ROOF PLAN

drawn by
dessiné par JJ

designed by
conçu par GG

approved by
approuvé par RN

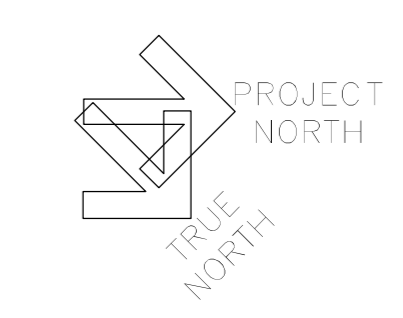
bid offer AM project manager/administrateur de projet

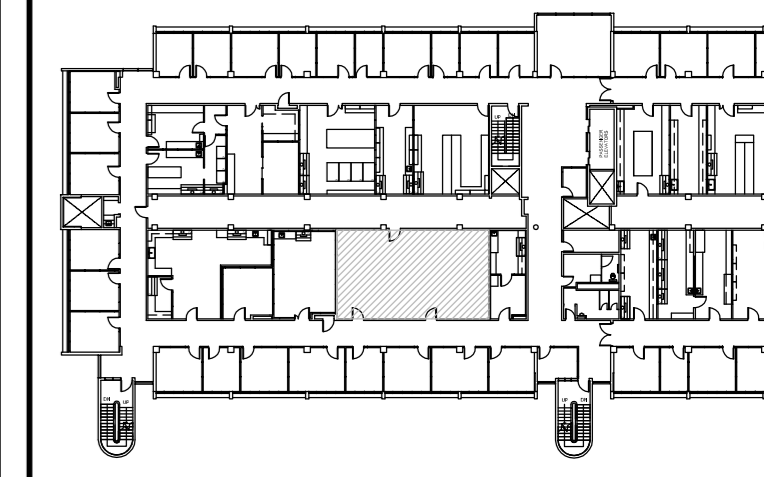
project date/site du projet 2015-11-04

project no./no. du projet R.073578.001
DIALOG NO. 09946TG200

drawing no./dessiné no. A1.41

1 R&D ROOF PLAN
A1.41 SCALE: 1:100





DEMOLITION KEY NOTES

- DEMOLISH ALL VINYL FLOORING, DEMOLISH ALL MASTIC AND LEVELING COMPOUNDS DOWN TO SURFACE OF SLAB. GRIND SMOOTH IN PREPARATION TO RECEIVE NEW SHEET FLOORING.
- DEMOLISH ALL ACOUSTIC TILE CEILING, LIGHTING, AND MECHANICAL GRILLES & DIFFUSERS. COMPLETE WITH ALL HANGER WIRES BACK TO U.S. OF SLAB.
- DEMOLISH WALLS AND ASSOCIATED SCREENS WITH FRAMES.
- DEMOLISH ALL SUSPENDED CEILING FIXTURES AND ASSOCIATED HANGES, CONDUIT AND JUNCTION BOXES BACK TO SOURCE. PROVIDE TEMPORARY LIGHTING AS REQUIRED FOR CONSTRUCTION.
- DEMOLISH ALL PLUMBING, PIPE SUPPORT, UNISTRUTS AND STEEL PLATE PIPE GUARDS. CUT ALL WALL ANCHORS FLUSH TO WALL SURFACE. REFER TO MECHANICAL DOCUMENTS.
- REMOVE ELECTRICAL PANEL. FILL VOID WITH CONCRETE BLOCK TO MATCH EXISTING.
- DEMOLISH ALL LABORATORY CASEWORK INCLUDING UPPER SHELVES, FIXTURES AND FURNITURE.
- DEMOLISH FUME HOOD AND ASSOCIATED DUCTWORK BACK TO SERVICE CORE WALL. REFER TO MECHANICAL DOCUMENTS AND HAZARDOUS MATERIAL REPORT FOR REQUIREMENTS FOR THE REMOVAL OF MATERIALS.
- DEMOLISH DOORS, WINDOWS, AND FRAMES.

CONSTRUCTION KEY NOTES

- EPOXY LAY-IN SINK IN EPOXY COUNTERTOP
- TILED WASH-DOWN AREA W/ HOT & COLD WATER AND FLOOR DRAIN

CASEWORK KEYNOTES:

- PROVIDE COVER PLATE AND COUNTERTOP FOR SERVICE CHASE

PLAN LEGEND

INDICATES ITEMS TO BE DEMOLISHED UNLESS NOTED TO BE REMOVED

NEW DOOR NUMBER
NEW NUMBER EXISTING DOOR

EMERGENCY SHOWER WITH INTEGRATED EYE WASH STATION

ROOM 000 NEW ROOM NAME AND NUMBER

CR CARD READER REFER TO ELECTRICAL DRAWING

EX FD EXISTING FLOOR DRAIN

PH FUME HOOD (REFER TO SCHEDULE)

NEW NUMBER EXISTING DOOR

DOOR STRIKE REFER TO ELECTRICAL DRAWING

DS FLOOR DRAIN

RD ROOF DRAIN

FLOOR FINISHES

F1 SEAMLESS VINYL FLOOR W/ INTEGRAL WALL BASE

F2 EPOXY FLOOR W/ INTEGRAL WALL BASE

F3 CARPET TILE/ WALL BASE

CEILING LEGEND

CX CEILING TYPE

XXXX CEILING HEIGHT

610x610mm INSET LIGHTING FIXTURE (A2) REFER TO ELECTRICAL DRAWINGS

610x610mm INSET LIGHTING FIXTURE (A3) REFER TO ELECTRICAL DRAWINGS

SUPPLY AIR DIFFUSER (REFER TO MECHANICAL DRAWINGS)

GENERAL EXHAUST (REFER TO MECHANICAL DRAWINGS)

610x120mm RECESSED LIGHTING FIXTURE (A3) REFER TO ELECTRICAL DRAWINGS

EXIT SIGN (REFER TO ELECTRICAL DRAWINGS)

CEILING CONSTRUCTION

C1 610x610mm LAY-IN ACOUSTIC CEILING TILE DESIGN W/ DOUBLE TEC LOCATION AND METAL PAN ENDS AT LIGHT FIXTURES.

C2 12.7mm GYPSUM BOARD AIR VAPOR BARRIER STEEL STUD FRAMING TO SUIT BATT INSULATION

C3 (DESIGNED TO ULC W80) 15.9mm TYPE X GYPSUM BOARD (2 LAYERS) 64mm C-I STUDS @100mm O.C. 24.4mm GYPSUM LINER PANEL 15.9mm TYPE X GYPSUM BOARD METAL SUSPENSION SYSTEM

C4 12.7mm GYPSUM STEEL STUD FRAMING TO SUIT

US NO CEILING PAINT ON STRUCTURE AND SERVICES.

WALL FINISH LEGEND

PT-1 WHITE PAINT

PT-2 HIGHLIGHT PAINT COLOUR

FN-1 GRAPHIC PRINT

FN-2 300mm PORCELAIN TILE

NOTE: ALL WALL AND CEILING GYPSUM TO BE PAINTED PT-1 UNLESS OTHERWISE NOTED.

WALL & FURRING TYPES

P1 15.9mm GYPSUM BOARD 92mm STEEL STUDS @400 O.C. ACOUSTIC BATT INSULATION 10mm GYPSUM BOARD

P2 100mm GLAZED ALUMINUM WALL

F1 15.9mm GYPSUM BOARD 64mm STEEL STUDS @ 400mm O.C.

F2 15.9mm GYPSUM BOARD 22mm HAT CHANNEL @ 400mm O.C.

1. UNLESS OTHERWISE NOTED, ALL INTERIOR PARTITIONS TO BE TO UNDERSIDE OF DECK STRUCTURE

2. PROVIDE 10mm PLYWOOD SHEATHING OR STRAPPING IN WALL AT LOCATIONS WHERE CASEWORK IS TO BE INSTALLED. COORDINATE WITH CASEWORK TRADE

DEMOLITION FLOOR PLAN LEGEND

EXISTING DOOR FRAME AND HARDWARE TO BE DEMOLISHED REFER TO DOOR SCHEDULE

EXISTING PARTITIONS TO BE DEMOLISHED

EXISTING CASEWORK TO BE DEMOLISHED

EXISTING FUME HOOD TO BE DEMOLISHED

DEMOLITION REFLECTED CEILING PLAN LEGEND

EXISTING ACT-1 TILE & T-BAR CEILING ASSEMBLY TO BE DEMOLISHED UNLESS OTHERWISE NOTED ON PLAN

EXISTING LIGHTING FIXTURE TO BE DEMOLISHED

EXISTING DIFFUSER TO BE DEMOLISHED

revision	Issue	date
1	ISSUED FOR BID	04/11/2015

Do not scale drawings. Verify all dimensions and conditions on site and accordingly notify the Department Representative of all

Detail No. No. du détail

A drawing no. - where detail required

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drawing no. - ou detaille

project title titre du projet

CANADA CENTRE FOR INLAND WATERS

867 LAKESHORE ROAD BURLINGTON, ONTARIO, L7R 4A6

LABS, AHUs, AND HEATING UPGRADE

drawing title titre du dessin

A&L BUILDING L527/L530 DEMOLITION AND DESIGN PLANS

drawn by dessiné par

JJ

designed by conçu par

GG

approved by approuvé par

RN

bid offre

AM

project manager administrateur de projet

project date date du projet

2015-11-04

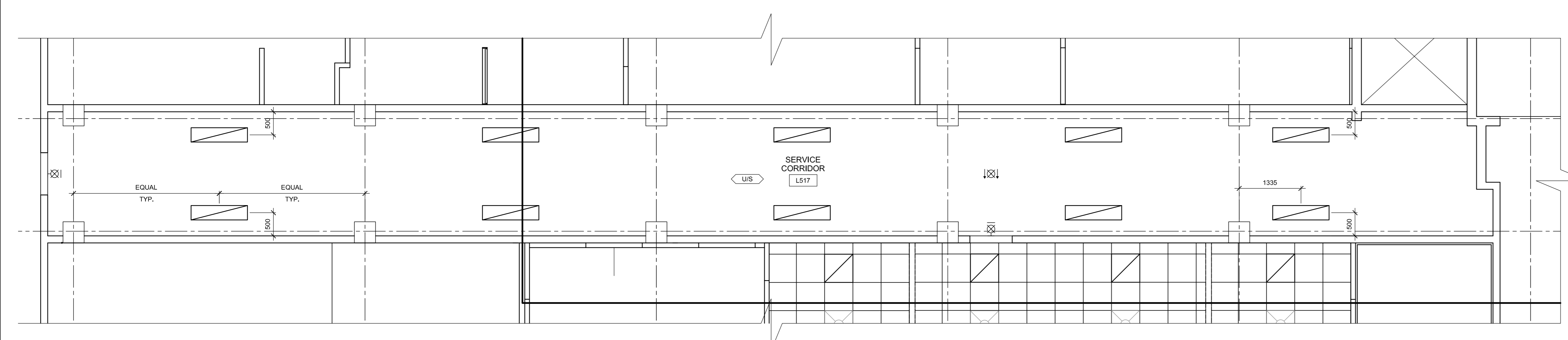
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R.073578.001

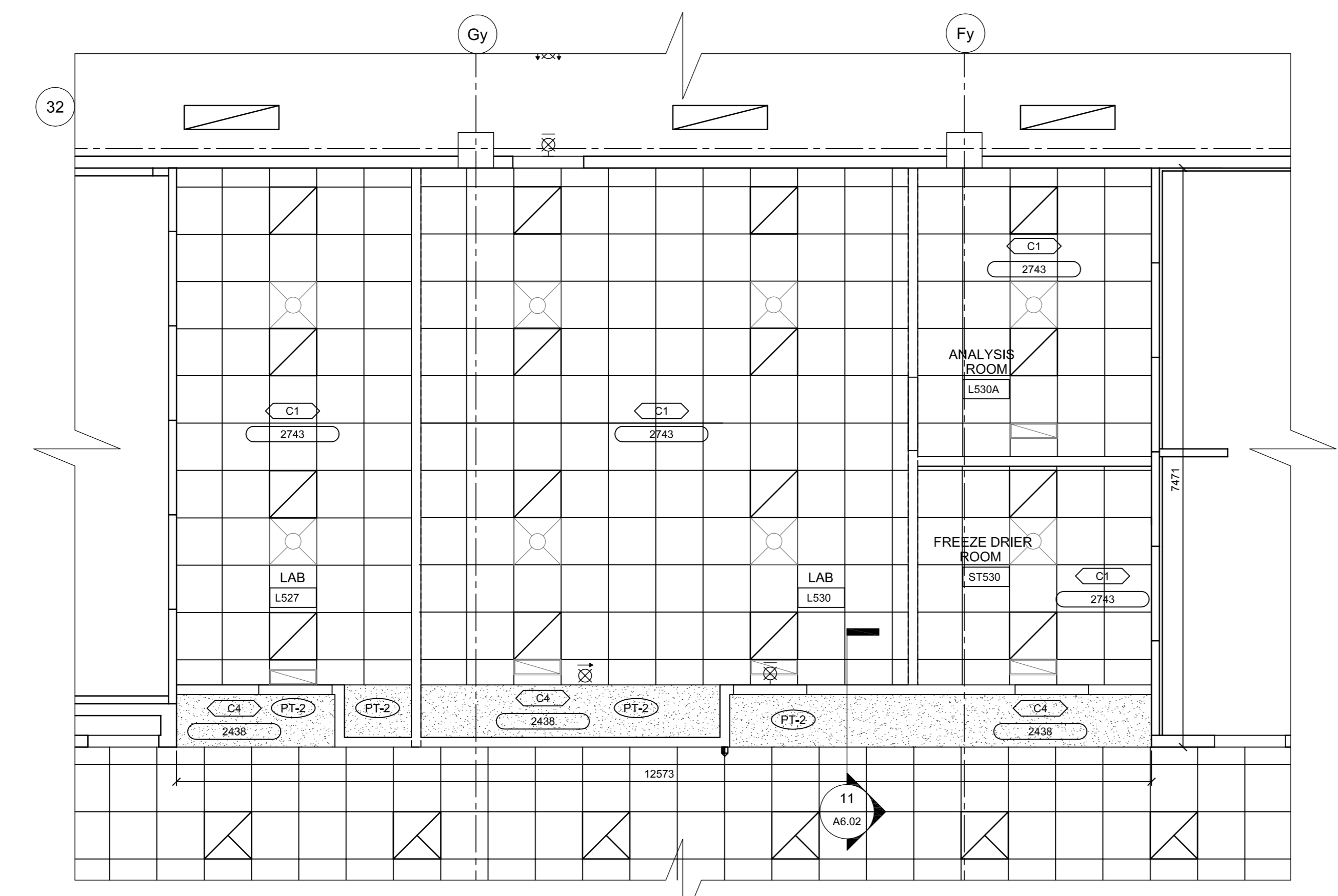
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drawing no. dessiné no.

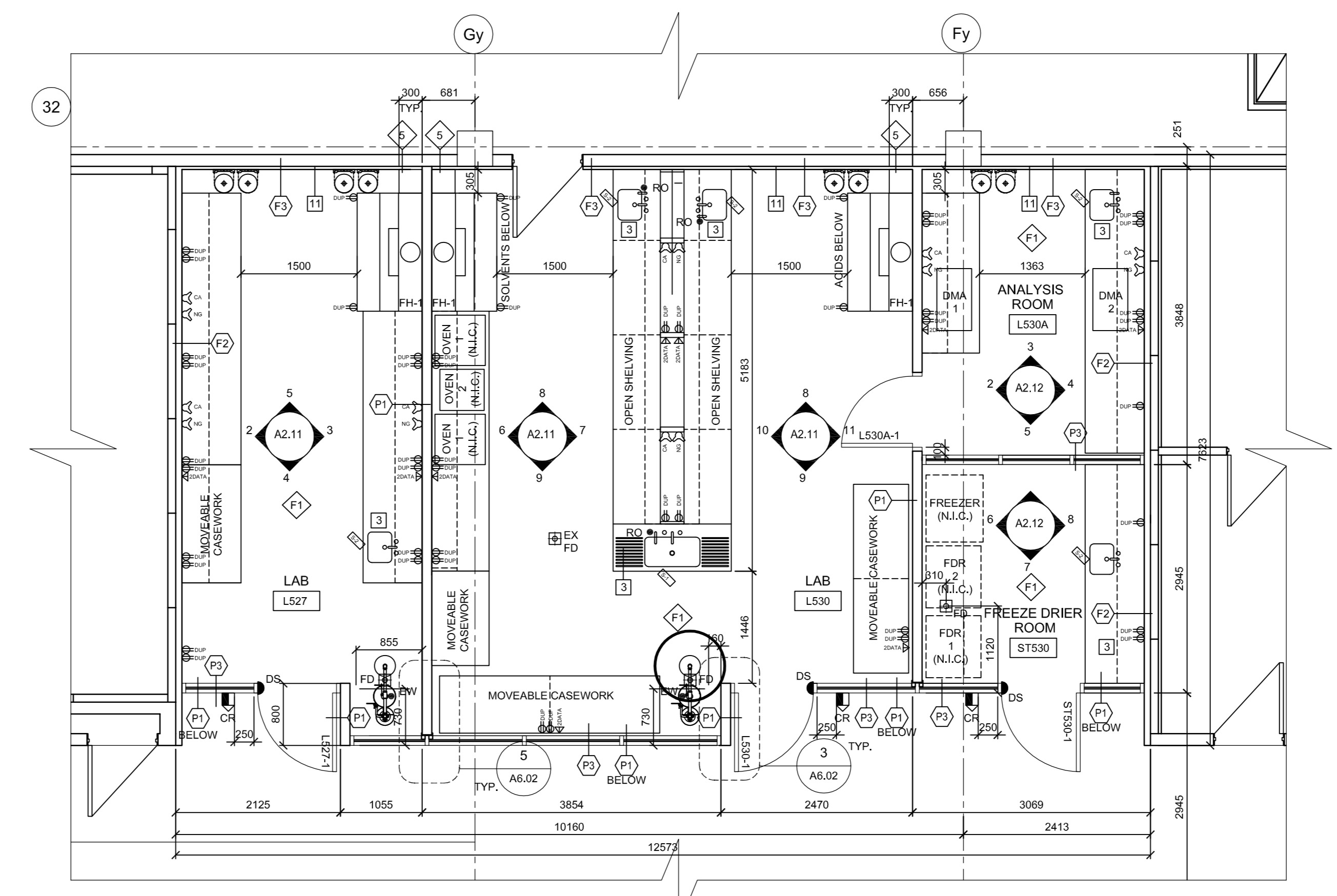
A2.10



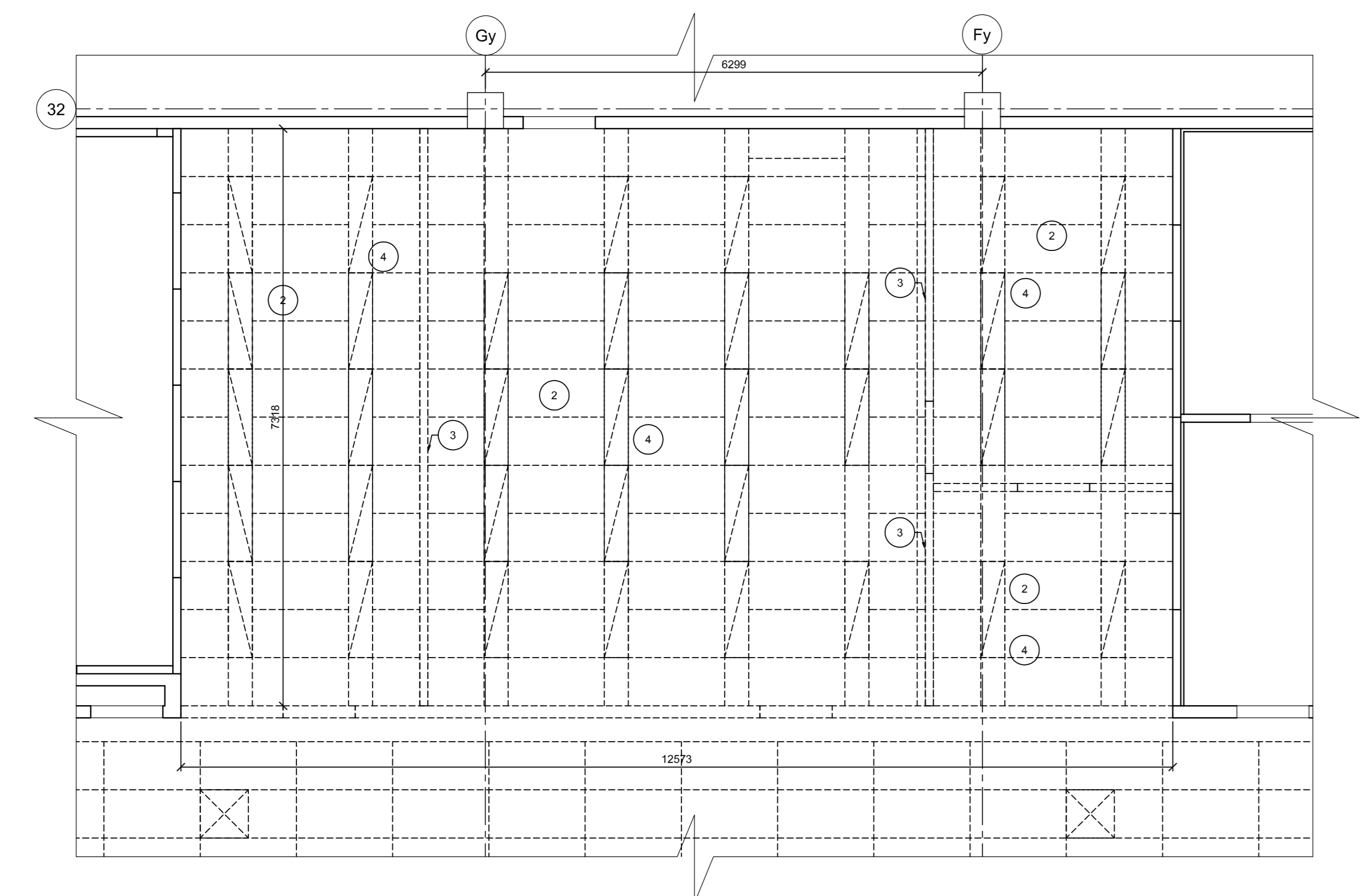
5 L517 SERVICE CORRIDOR - REFLECTED CEILING PLAN
SCALE: 1/50
0 1m 5m



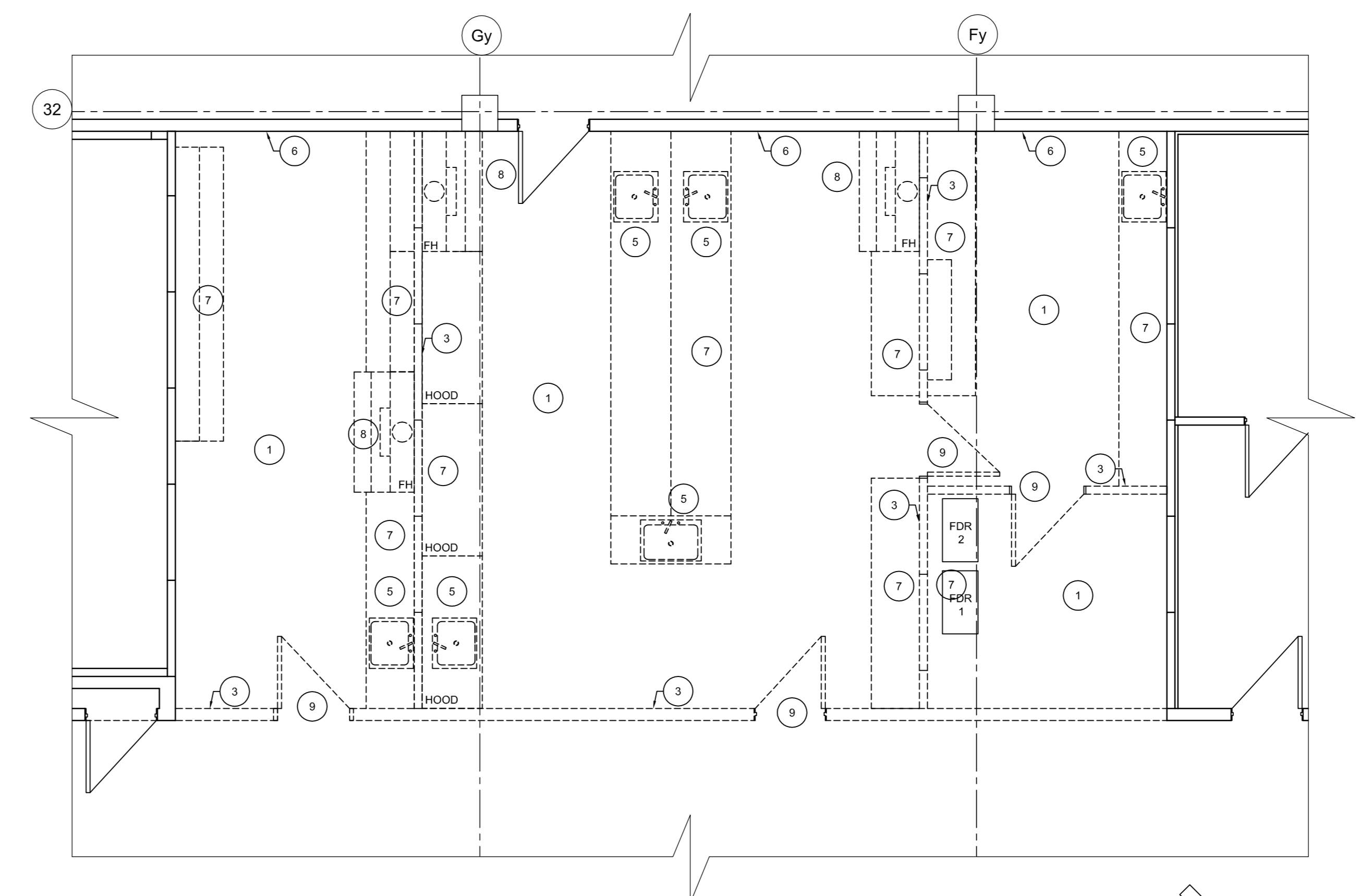
4 L527/L530 - DESIGN RCP
SCALE: 1/50
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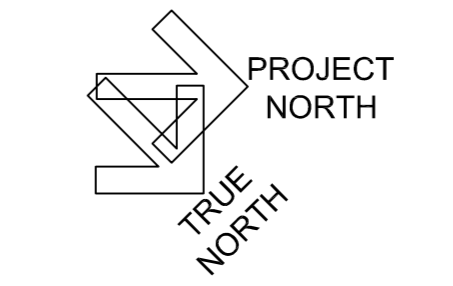
3 L527/L530 - DESIGN PLAN
SCALE: 1/50
0 1m 5m

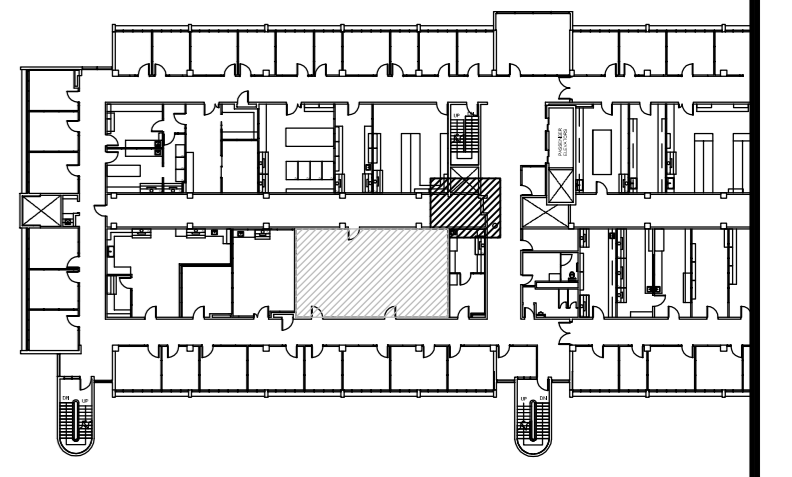


2 L527/L530 - DEMOLITION RCP
SCALE: 1/50
0 1m 5m



1 L527/L530 - DEMOLITION PLAN
SCALE: 1/50
0 1m 5m

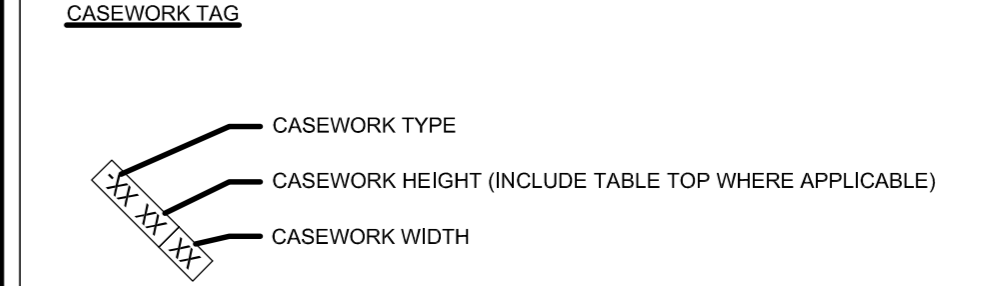




CASEWORK KEYNOTES:

- 1 PROVIDE WIRE MANAGEMENT TRAY WHERE CASEWORK IS TO BE PROVIDED WITH POWER AND/OR DATA.
- 2 PROVIDE TABLE MOUNTING WHERE PLANS OR ELEVATIONS INDICATE GAS TO BE PROVIDED FROM CASEWORK COUNTERTOP.
- 3 INSTALL POWER AND/OR DATA IN CASEWORK PILASTER, CONCEAL WIRING IN PILASTER CHASE.
- 4 INSTALL GAS IN SHELVING PILASTER, CONCEAL CONDUIT/TUBES WITH PILASTER CHASE.
- 5 PROVIDE COVER PLATE AND COUNTERTOP FOR SERVICE CHASE.
- 6 INSTALL REVERSE OSMOSIS WATER FAUCET IN LOCATIONS WHERE INDICATE ON DRAWING, R.O. WATER IS TO BE PROVIDED.
- 7 PROVIDE LED UNDERCABINET MOUNTED LIGHTING FIXTURES.
- 8 ALL SHELVING TO HAVE RAISED METAL RESTRAINT LIP OR METAL RESTRAINT RAIL TO RESTRAIN ITEMS FROM FALLING OVER EDGE OF SHELF.
- 9 VISIBLE ENDS OF CASEWORK TO HAVE COVER PANEL TO MATCH CASEWORK MATERIAL.
- 10 100mm EPOXY BACKSPASH INTEGRAL WITH COUNTERTOP.

CASEWORK LEGEND:



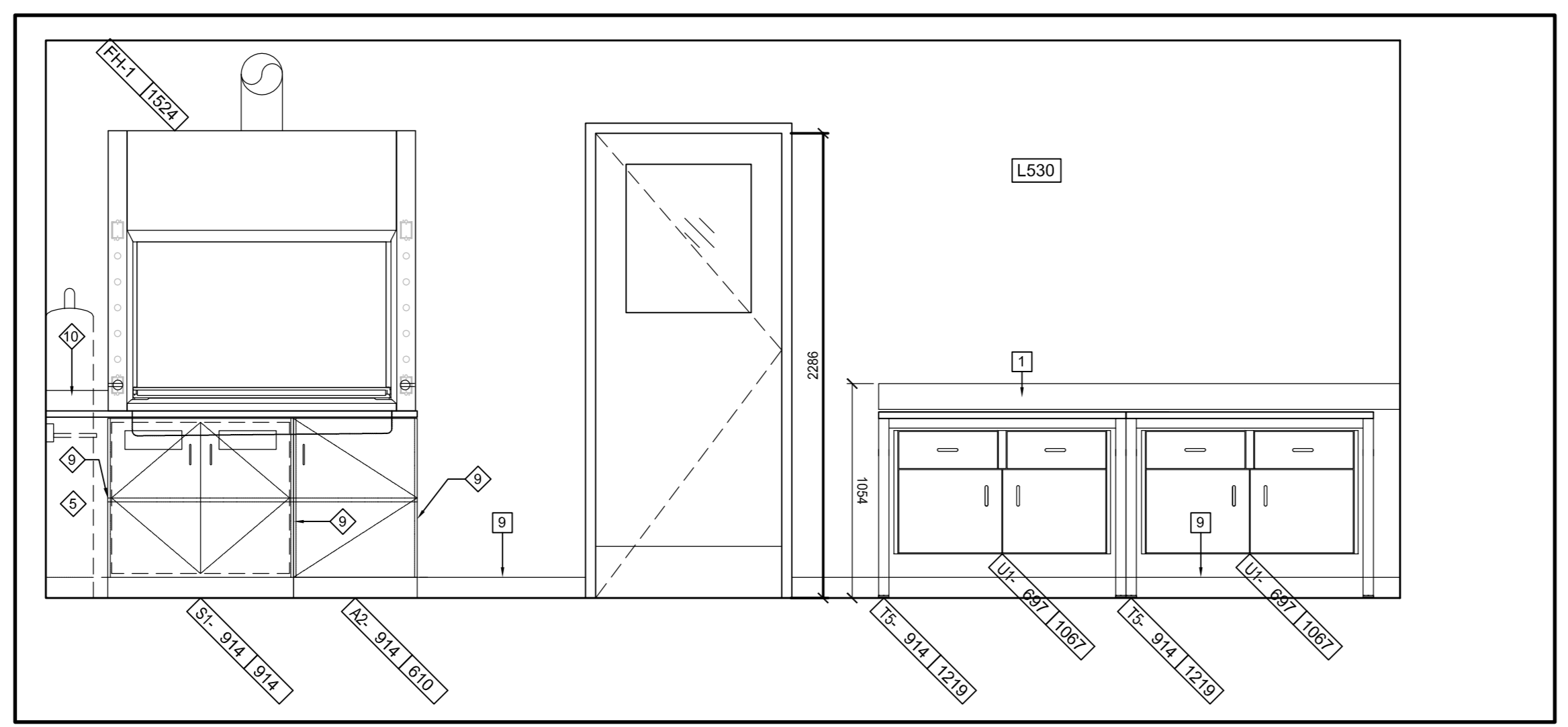
CONSTRUCTION KEY NOTES

- 1 ELECTRICAL RACEWAY - REFER TO ELECTRICAL DRAWINGS
- 2 EPOXY LAY-IN SINK IN EPOXY COUNTERTOP
- 3 100mm WALL BASE INTEGRAL WITH FLOOR MATERIAL

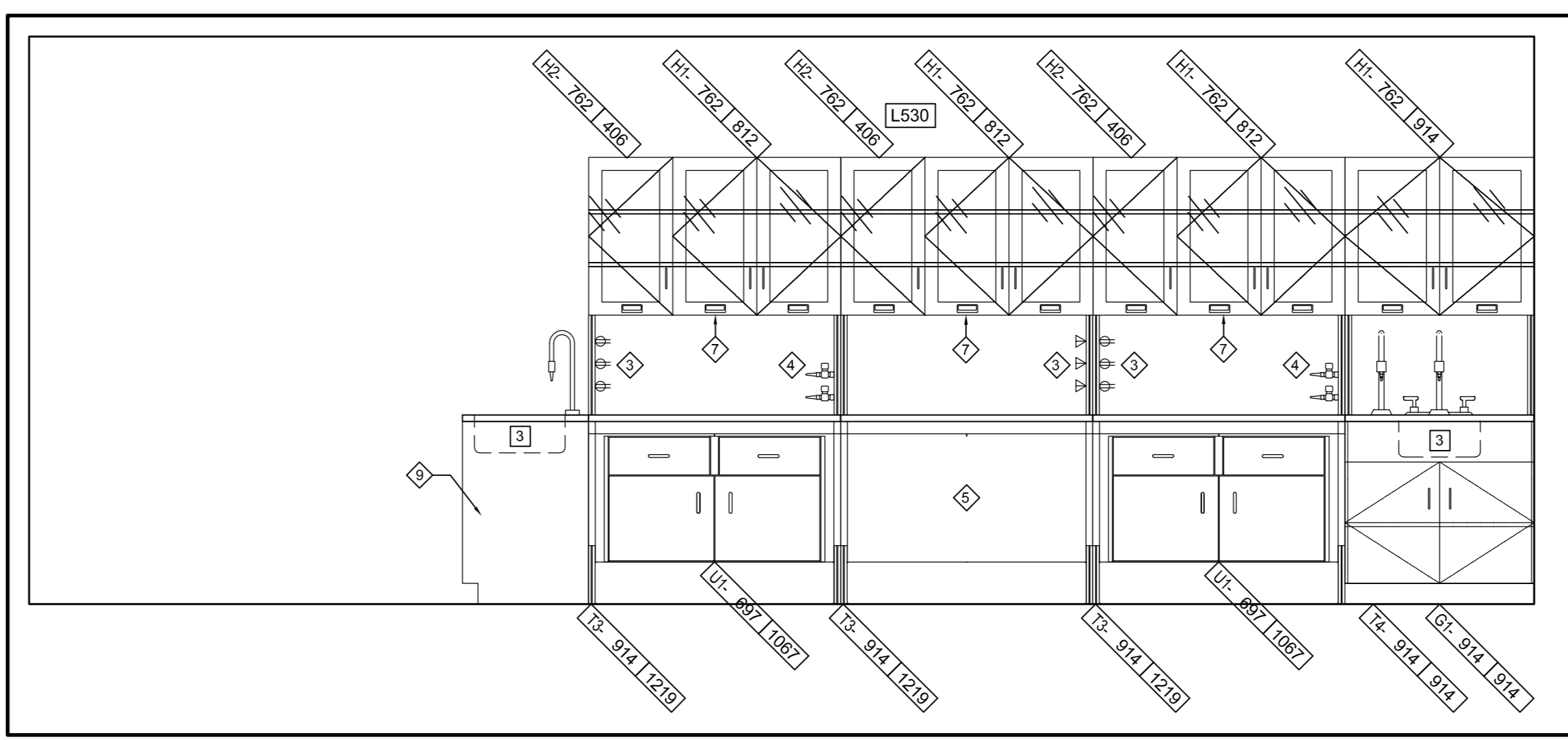
WALL FINISH LEGEND

- PT-1 WHITE PAINT
- PT-2 HIGHLIGHT PAINT COLOUR
- FN-1 GRAPHIC PRINT
- FN-2 300mm PORCELAIN TILE

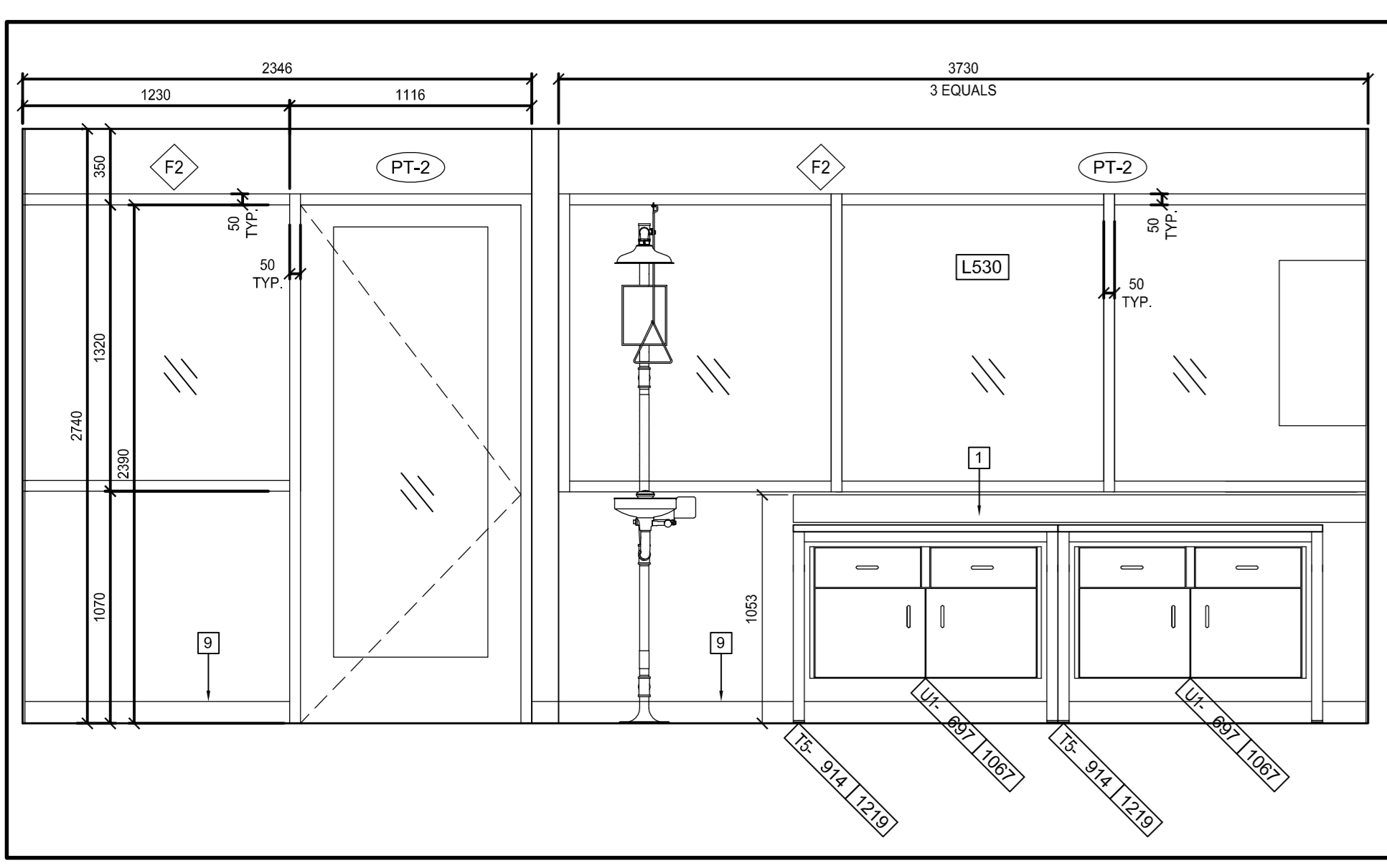
NOTE:
ALL WALL AND CEILING GYPSUM TO BE PAINTED PT-1 UNLESS OTHERWISE NOTED.



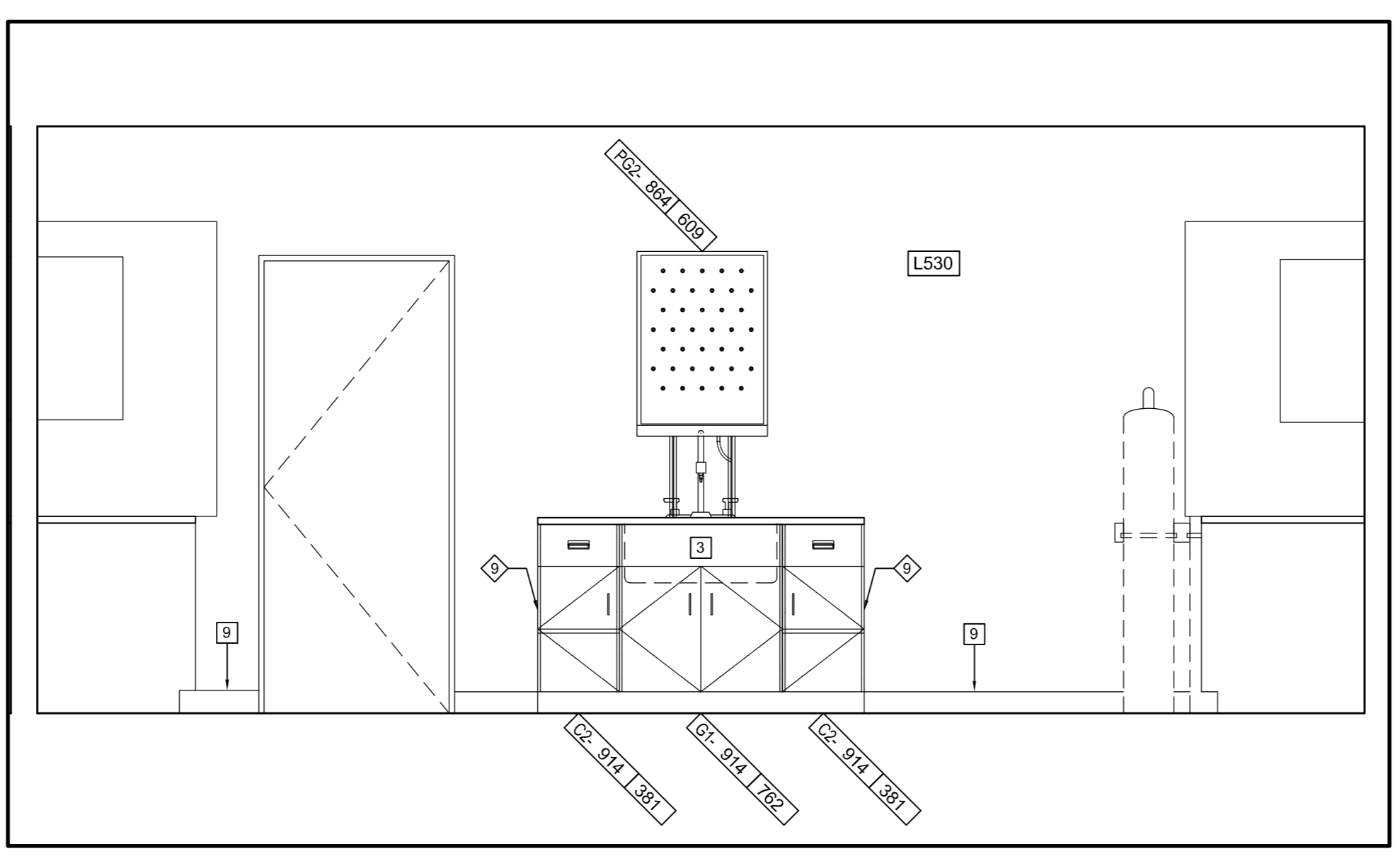
11 L530 - NORTH
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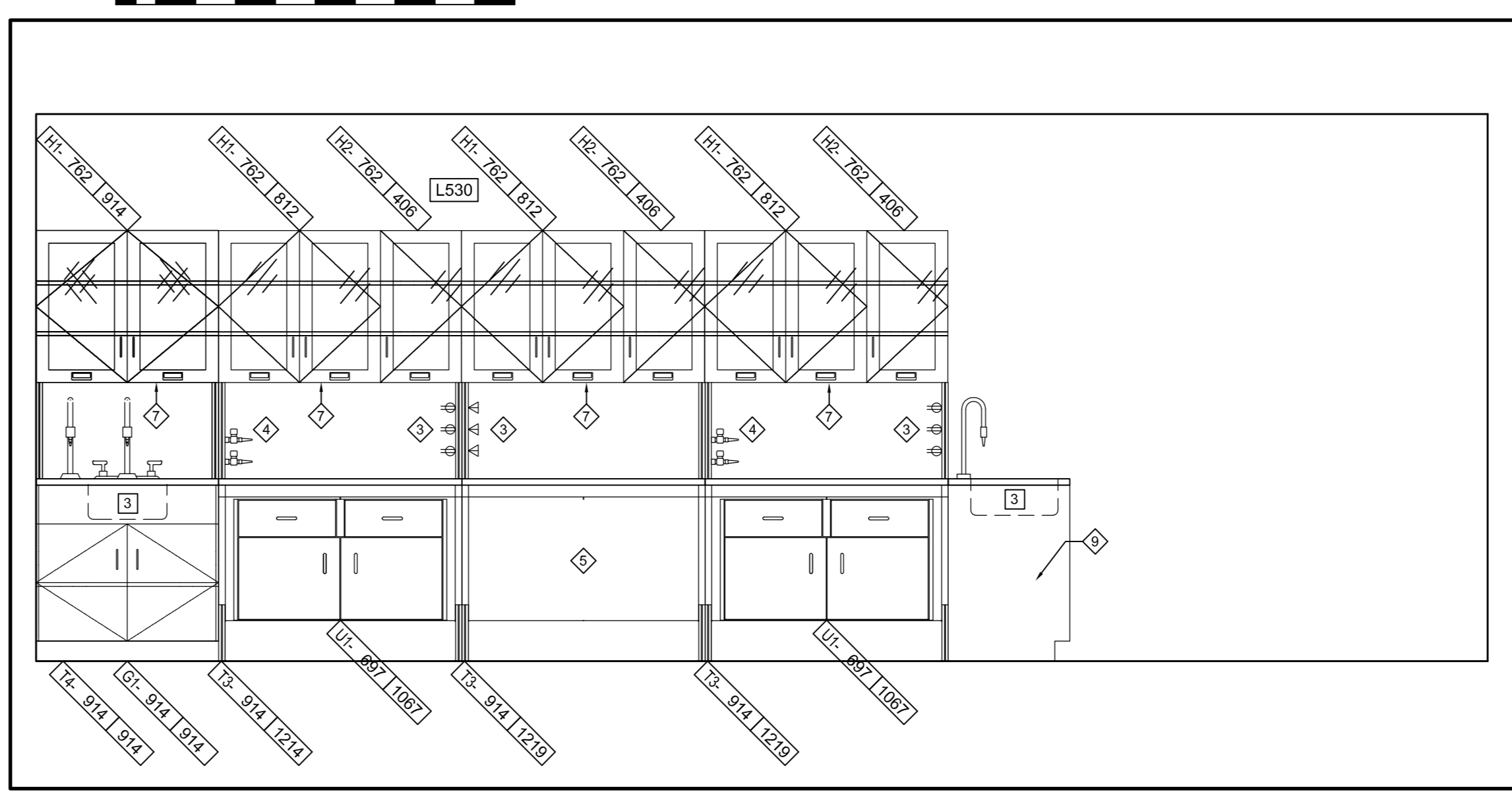
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SCALE: 1:25
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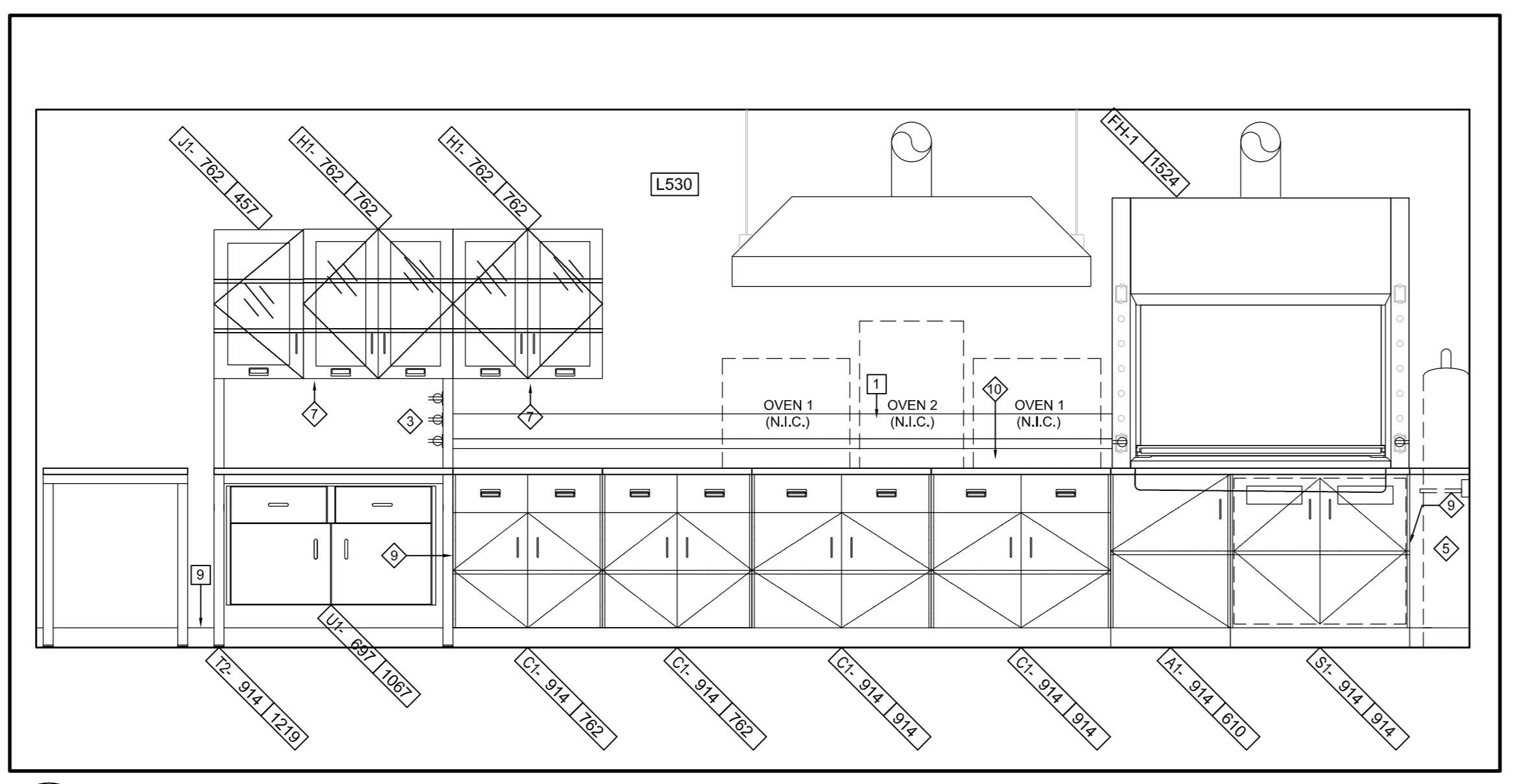
9 L530 - EAST
SCALE: 1:25
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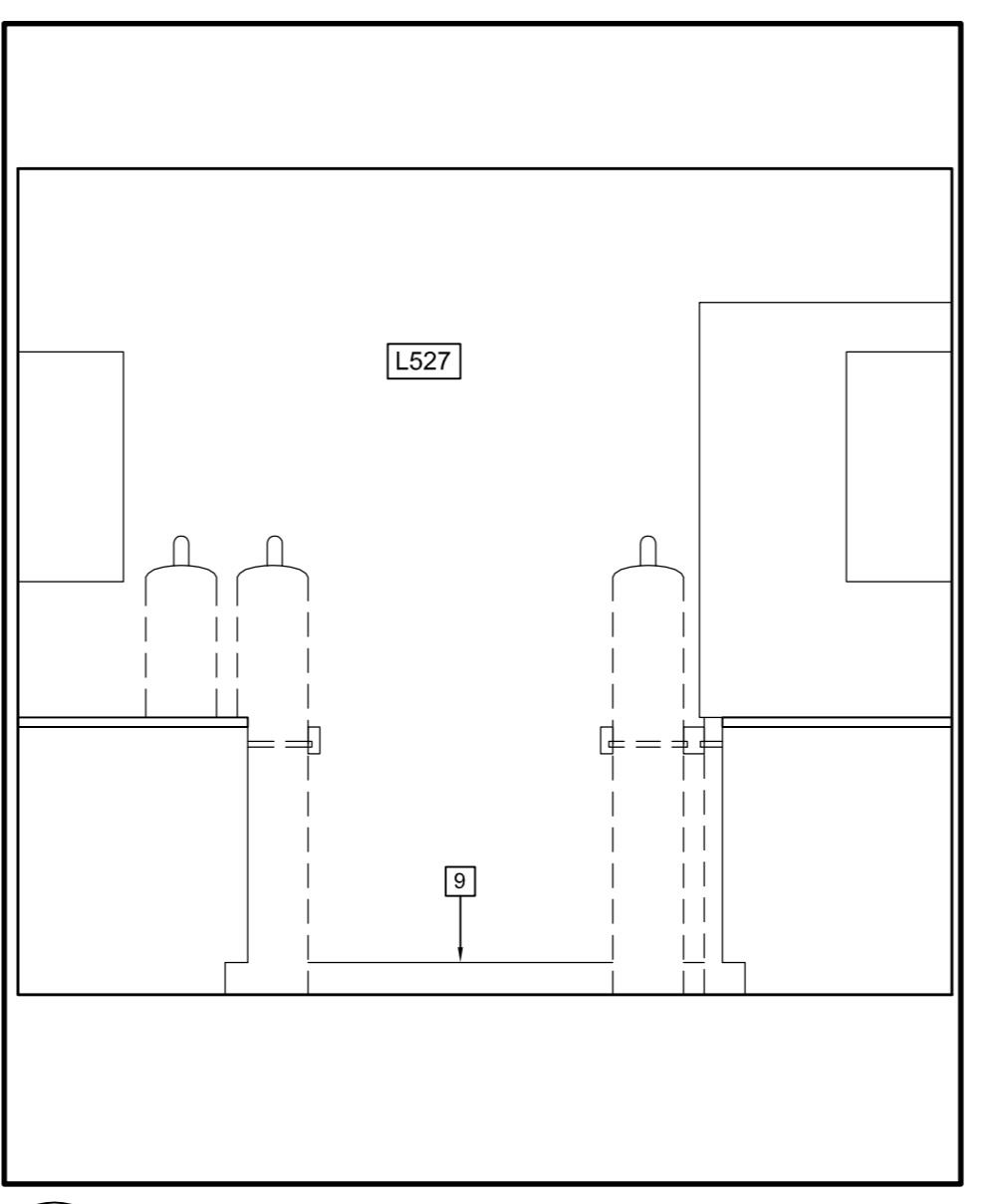
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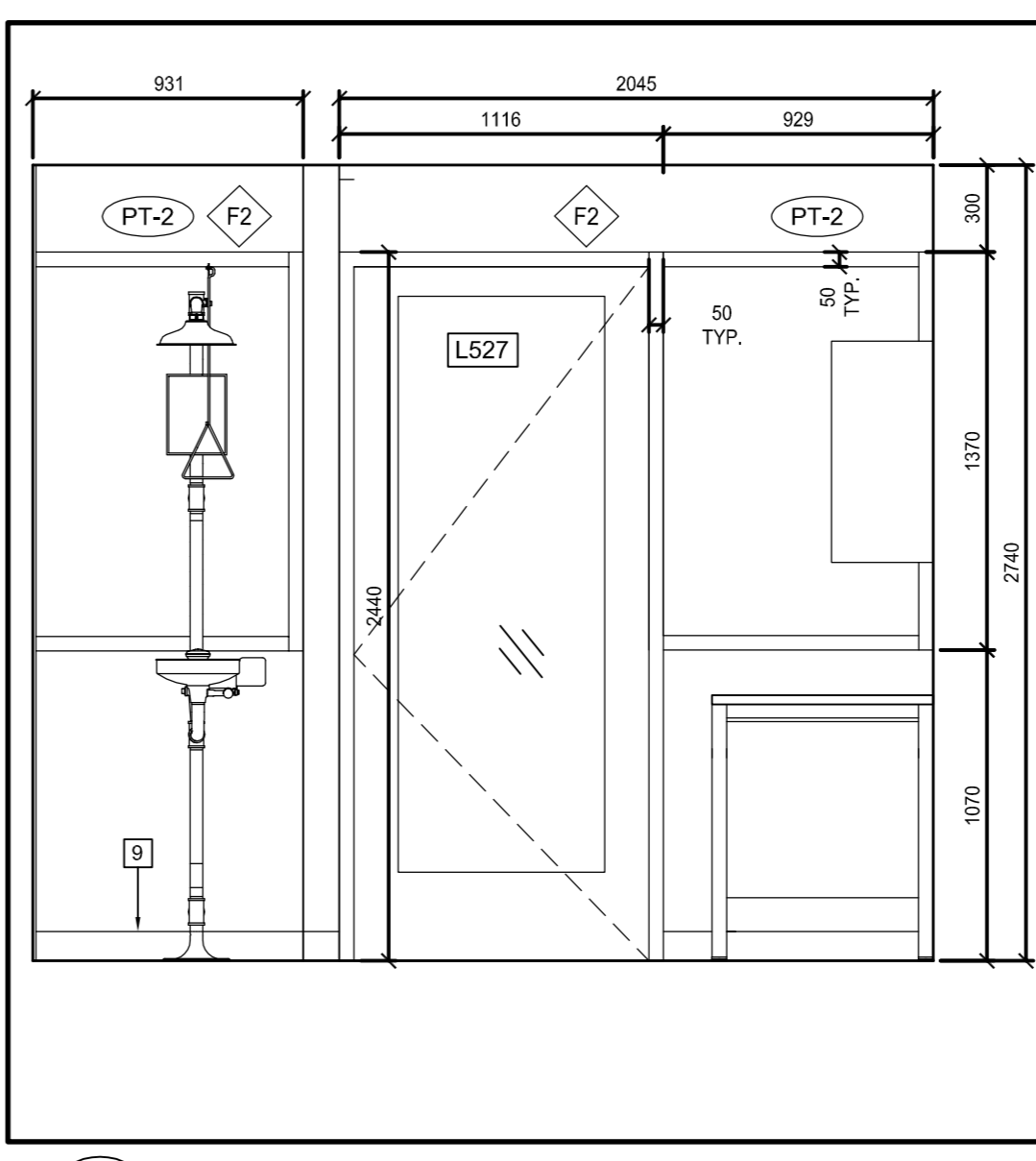
7 L530 - NORTH
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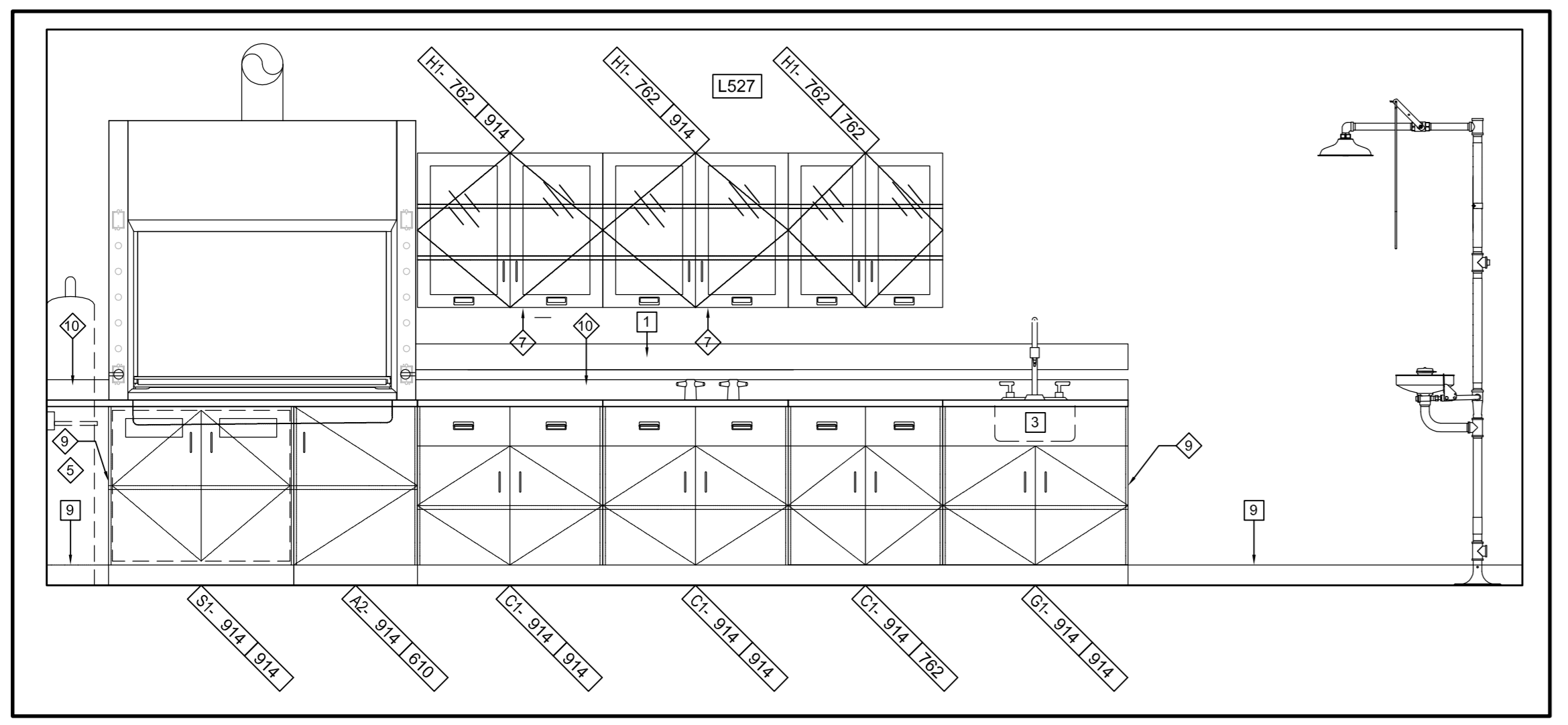
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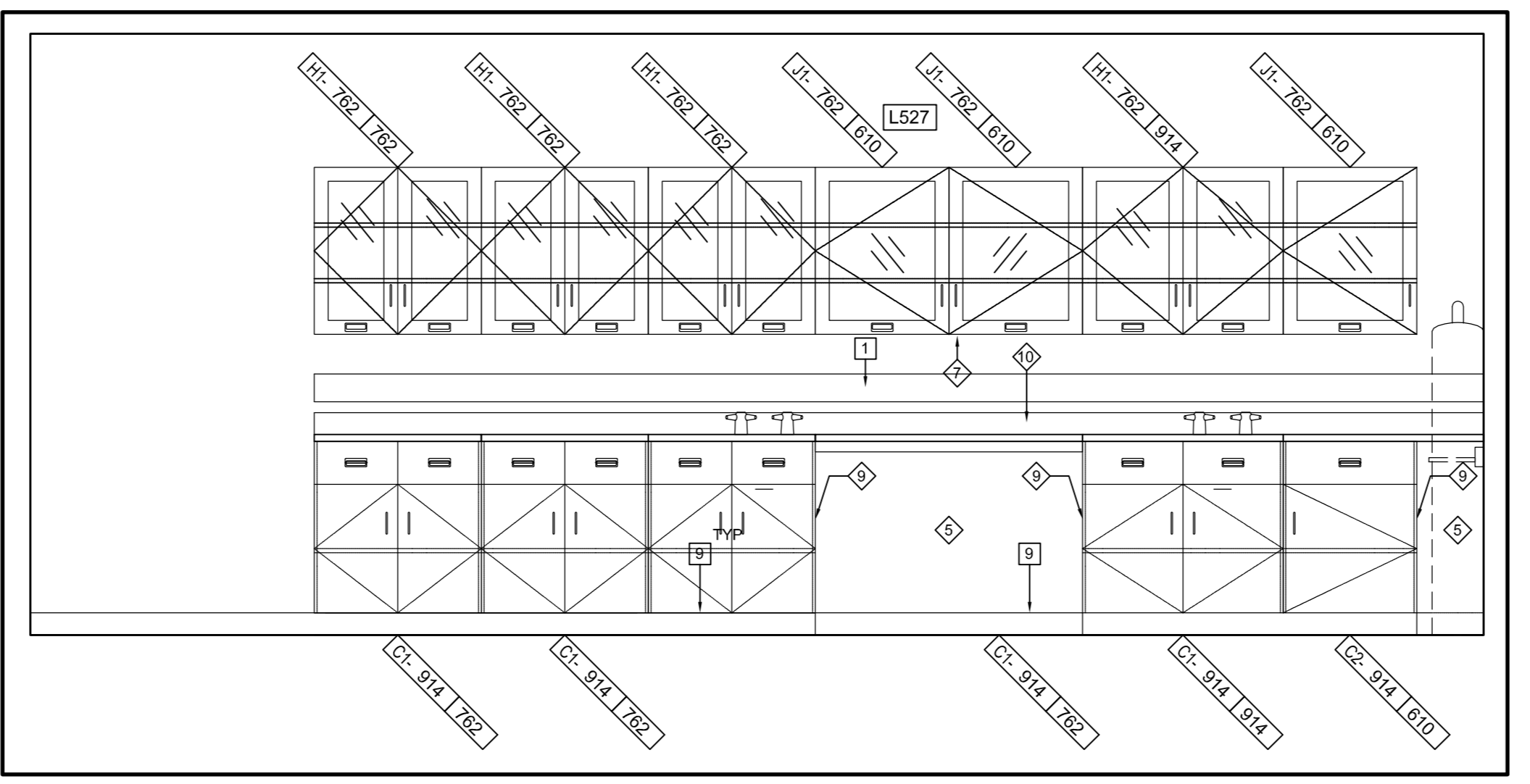
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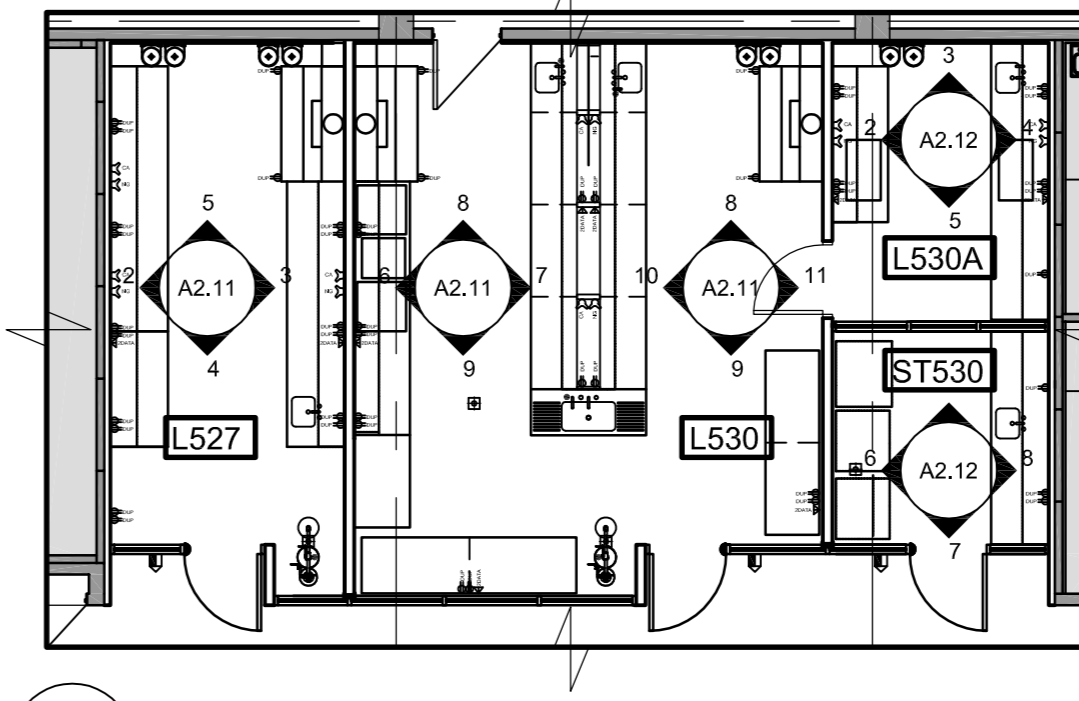
4 L527 - EAST
SCALE: 1:25
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3 L527 - NORTH
SCALE: 1:25
0 0.2m 1m 2m



2 L527 - SOUTH
SCALE: 1:25
0 0.2m 1m 2m



1 L527/L530 - KEY PLAN
SCALE: 1:100
0 1m 5m 10m

revision	issue	date
1	ISSUED FOR BID	04/11/2015

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Detail No.
No. du détail
A drawing no. - where detail required
B dessin no. - où détail exigé
C drawing no. - where detailed
D dessin no. - où détaillé

project title
titre du projet
CANADA CENTRE FOR INLAND WATERS
867 LAKESHORE ROAD BURLINGTON,
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LABS, AHUs, AND HEATING
UPGRADE

drawing title
titre du dessin
A&L BUILDING L527/L530
ELEVATIONS

drawn by
dessiné par JJ

designed by
conçu par GG

approved by
approuvé par RN

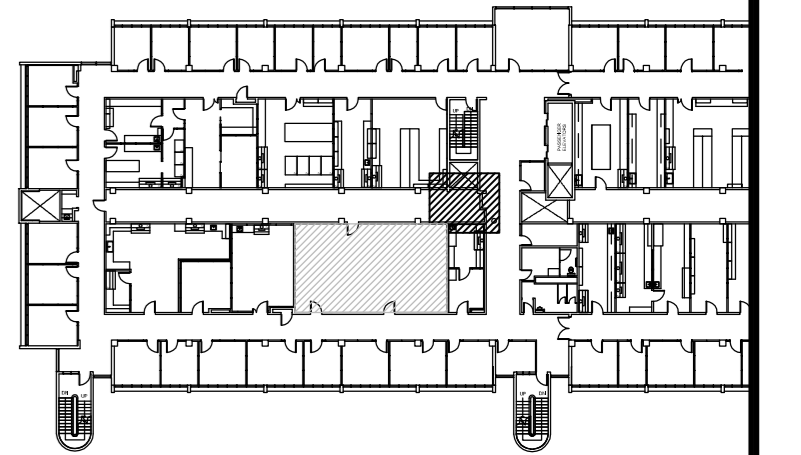
bid office AM project manager
administrateur de projet

project date
date du projet 2015-11-04

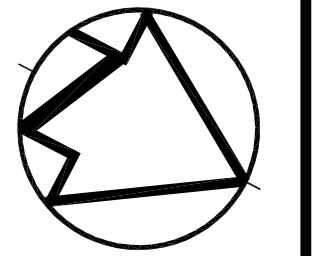
project no.
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ENRLOS-NO. 0394870200

drawing no.
dessiné no. A2.11

Stamp



KEY PLAN
N.T.S.

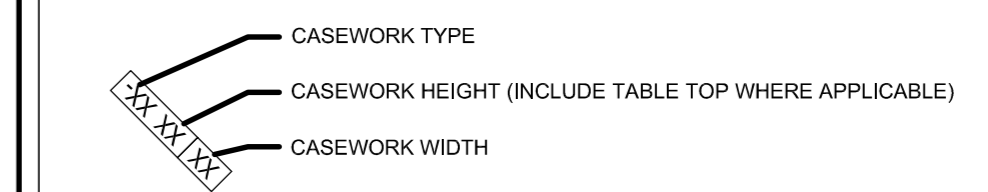


CASEWORK KEYNOTES:

- ◇ PROVIDE WIRE MANAGEMENT TRAY WHERE CASEWORK IS TO BE PROVIDED WITH POWER AND/OR DATA.
- ◇ PROVIDE TABLE MONUMENT WHERE PLANS OR ELEVATIONS INDICATE GAS TO BE PROVIDED FROM CASEWORK COUNTERTOP.
- ◇ INSTALL POWER AND/OR DATA IN CASEWORK PLASTER, CONCEAL WIRING IN PLASTER CHASE.
- ◇ INSTALL GAS IN SHELVEY PLASTER, CONCEAL CONDUIT/TUBES WITH PLASTER CHASE.
- ◇ PROVIDE COVER PLATE AND COUNTERTOP FOR SERVICE CHASE.
- ◇ INSTALL REVERSE OSMOSIS WATER FAUCET IN LOCATIONS WHERE INDICATE ON DRAWING, R.O. WATER IS TO BE PROVIDED.
- ◇ PROVIDE LED UNDERCABINET-MOUNTED LIGHTING FIXTURES.
- ◇ ALL SHELVEY TO HAVE RAISED METAL RESTRAINT LIP OR METAL RESTRAINT RAIL TO RESTRAIN ITEMS FROM FALLING OVER EDGE OF SHELF.
- ◇ VISIBLE ENDS OF CASEWORK TO HAVE COVER PANEL TO MATCH CASEWORK MATERIAL.
- ◇ 100mm EPOXY BACKSPASH INTEGRAL WITH COUNTERTOP.

CASEWORK LEGEND:

CASEWORK TAG



CONSTRUCTION KEY NOTES

- 1 ELECTRICAL RACEWAY - REFER TO ELECTRICAL DRAWINGS
- 3 EPOXY LAY-IN SINK IN EPOXY COUNTERTOP
- 9 100mm WALL BASE INTEGRAL WITH FLOOR MATERIAL

WALL FINISH LEGEND

- PT-1 WHITE PAINT
- PT-2 HIGHLIGHT PAINT COLOUR
- FN-1 GRAPHIC PRINT
- FN-2 300mm PORCELAIN TILE

NOTE:
ALL WALL AND CEILING GYPSUM TO BE PAINTED PT-1 UNLESS OTHERWISE NOTED.

revision	issue	date
1	ISSUED FOR BID	04/11/2015

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CANADA CENTRE FOR INLAND WATERS
867 LAKESHORE ROAD BURLINGTON,
ONTARIO, L7R 4A6
LABS, AHUs, AND HEATING UPGRADE

drawing title
titre du dessin
A&L BUILDING L527/L530 ELEVATIONS

drawn by
dessiné par JJ

designed by
conçu par GG

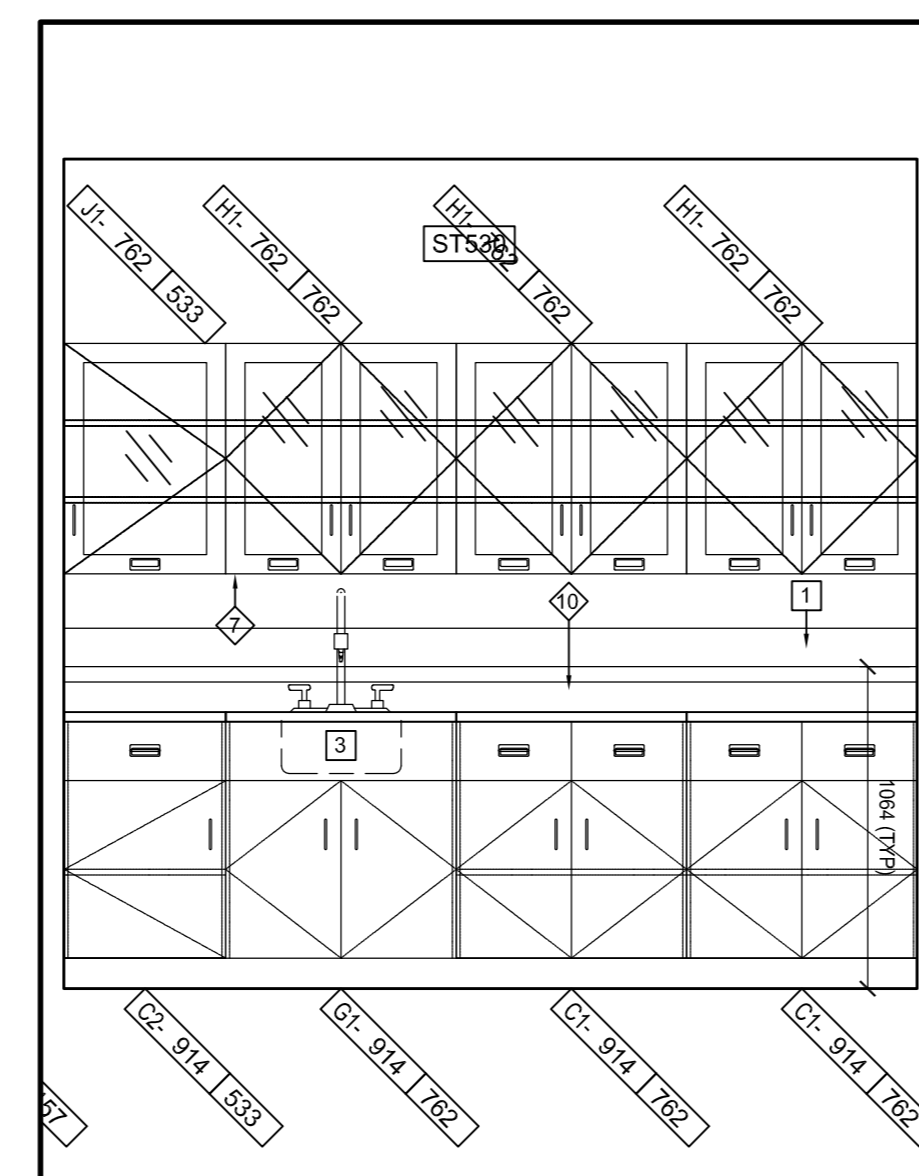
approved by
approuvé par RN

bid office
AM project manager
administrateur de projets

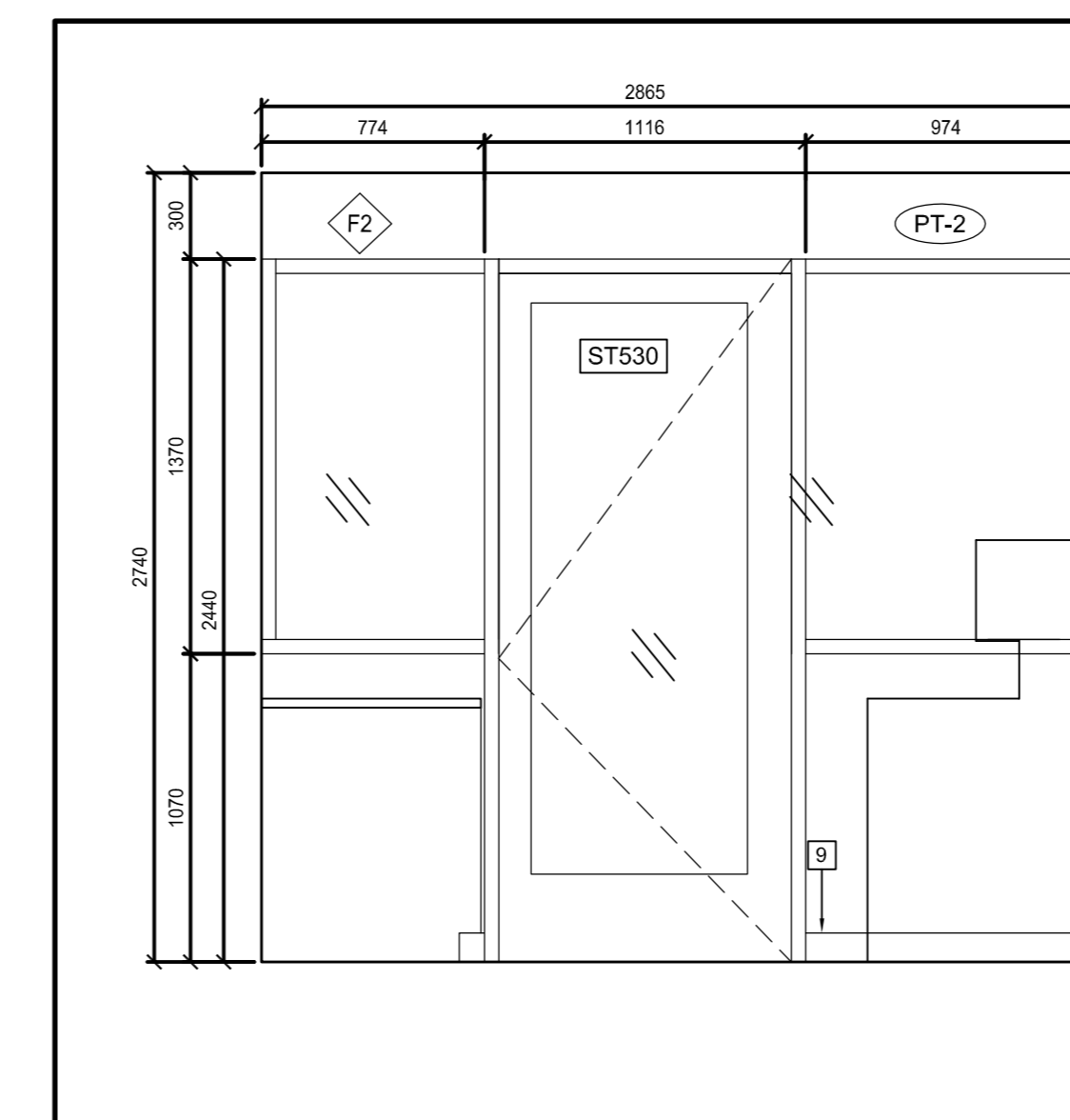
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project no.
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DIALOG NO. 09946T0200

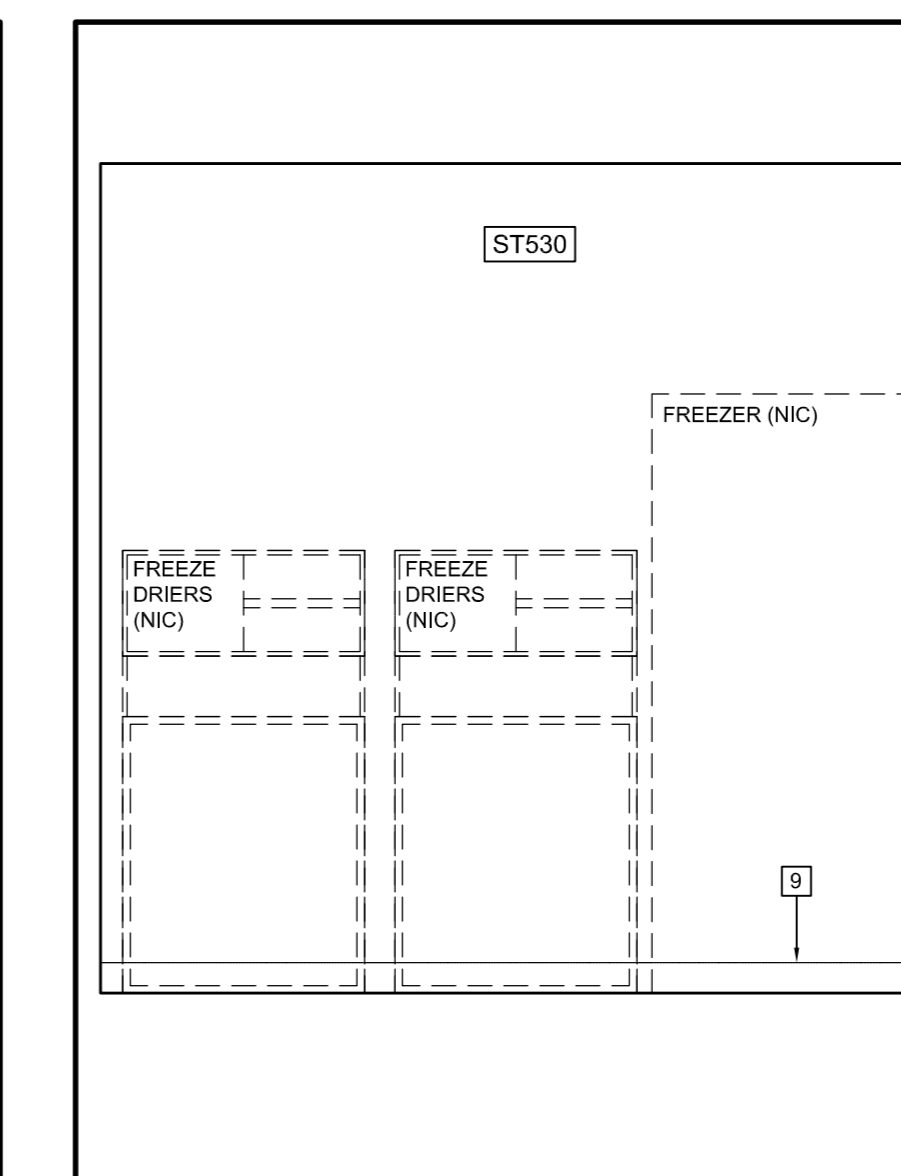
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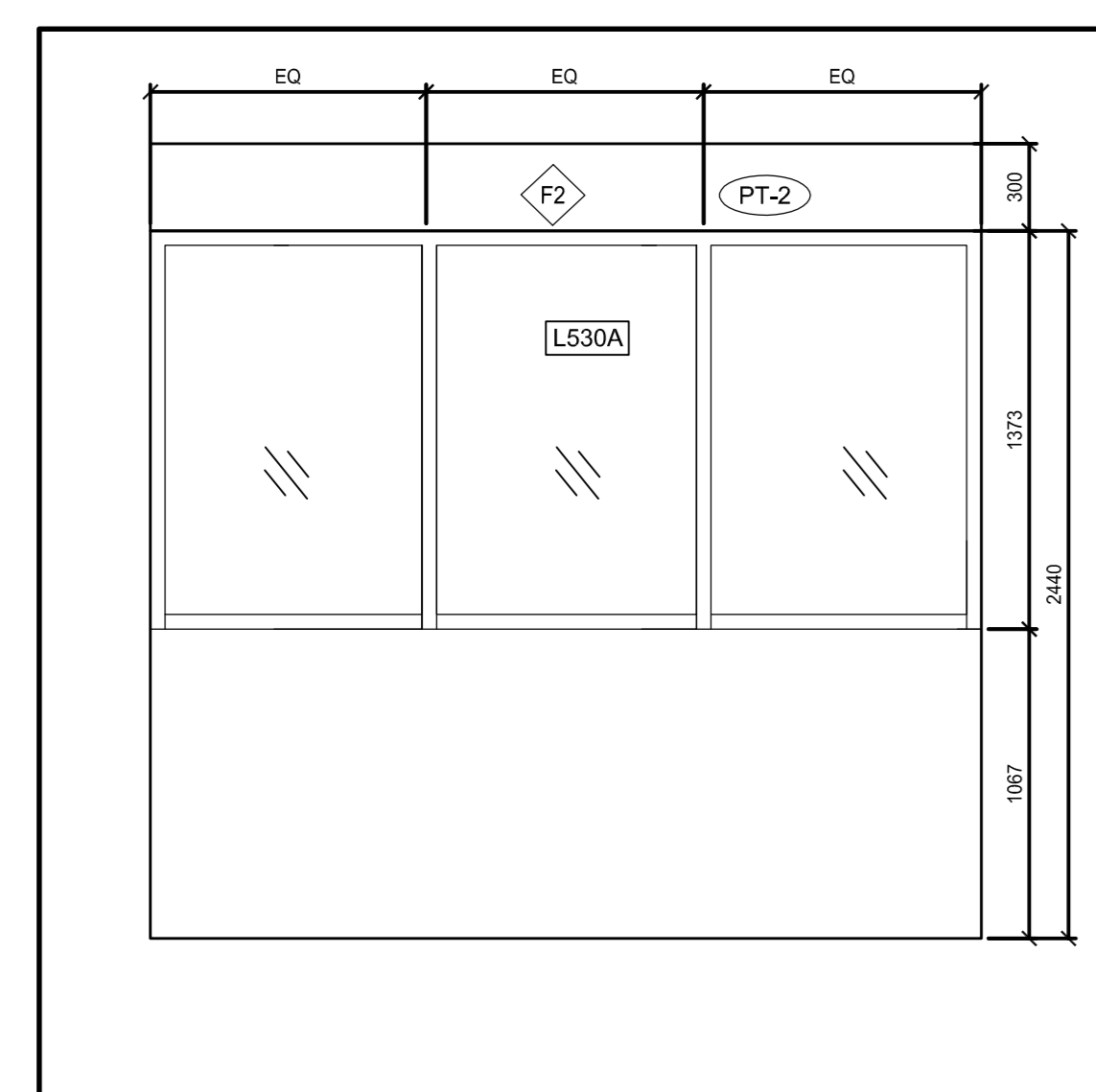
8 ST530 - NORTH
A2.12 SCALE: 1:25
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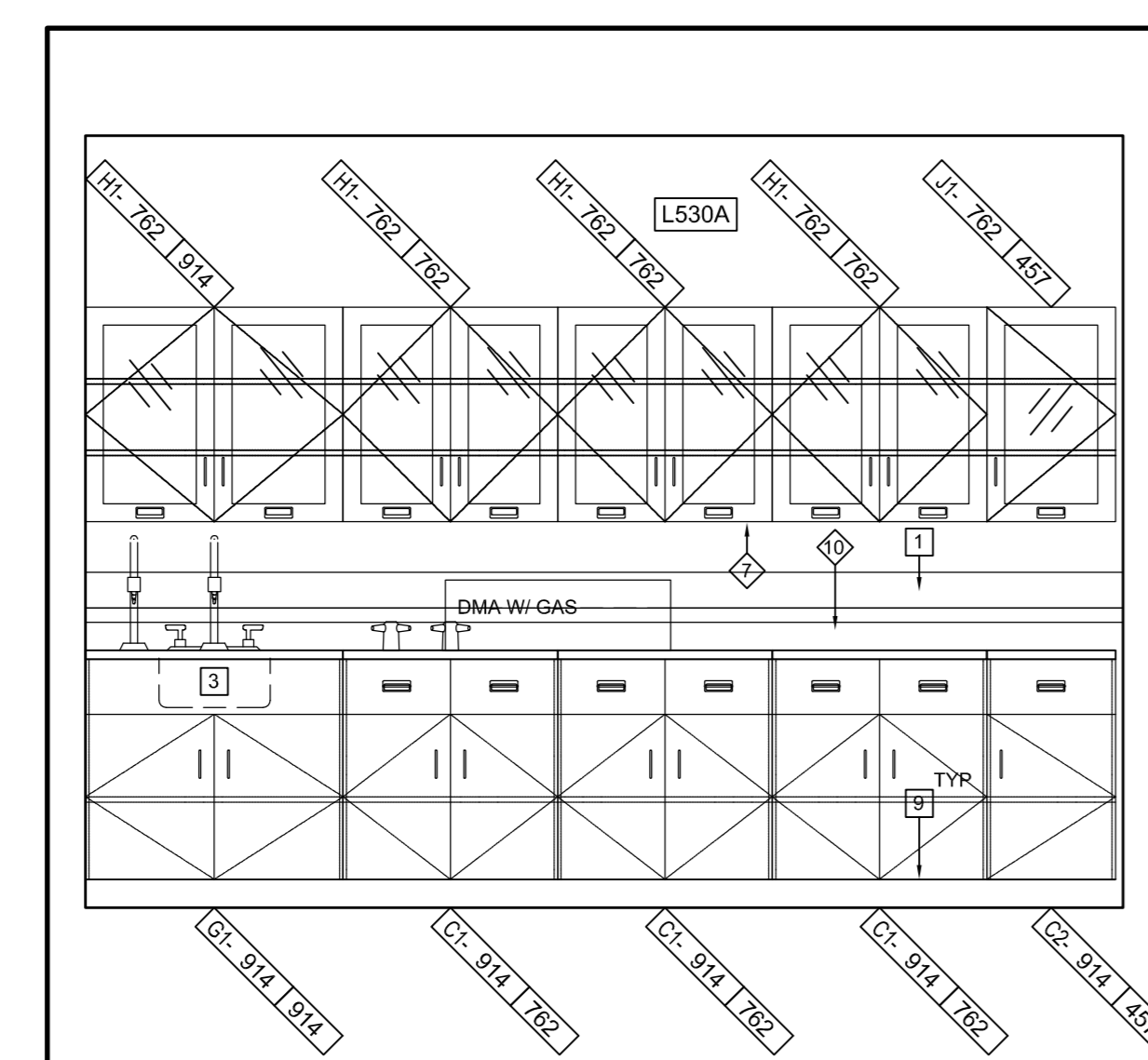
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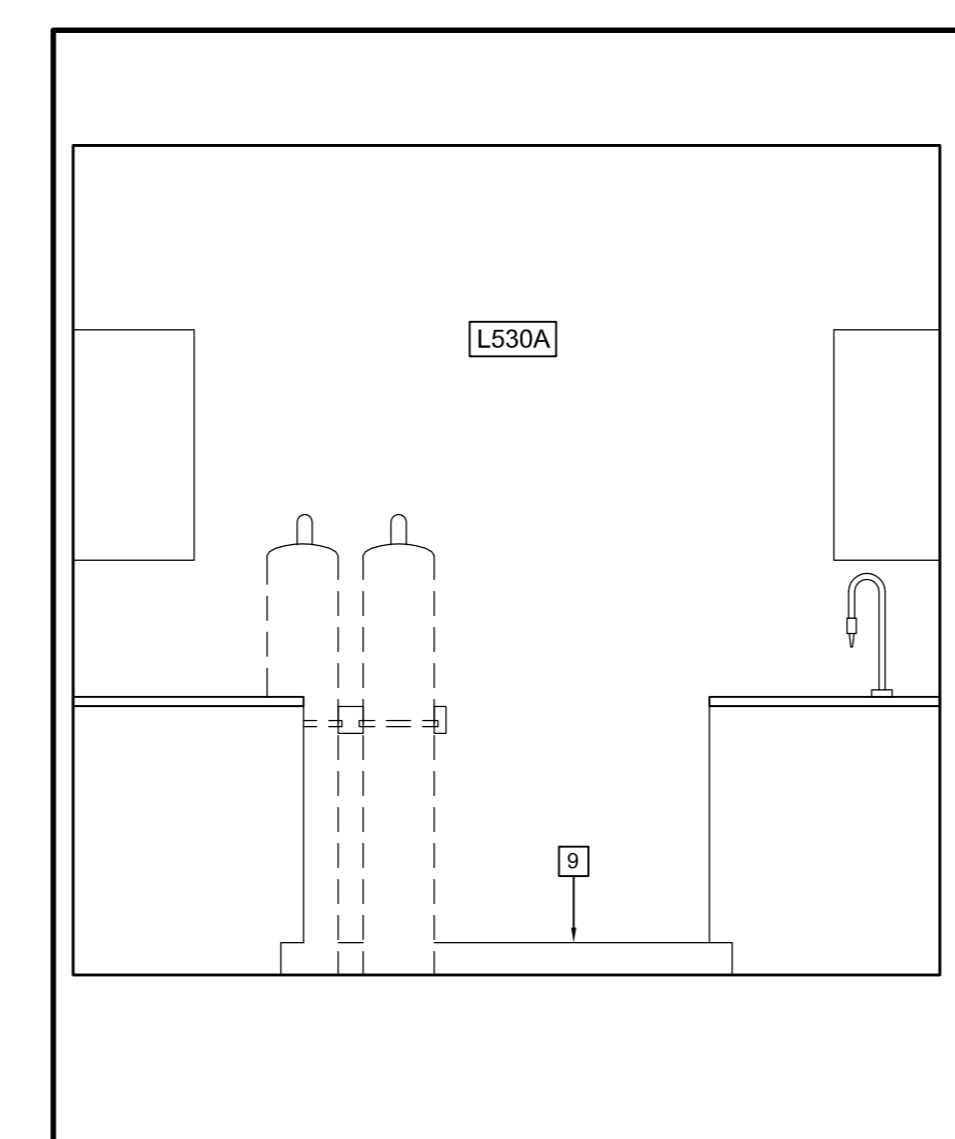
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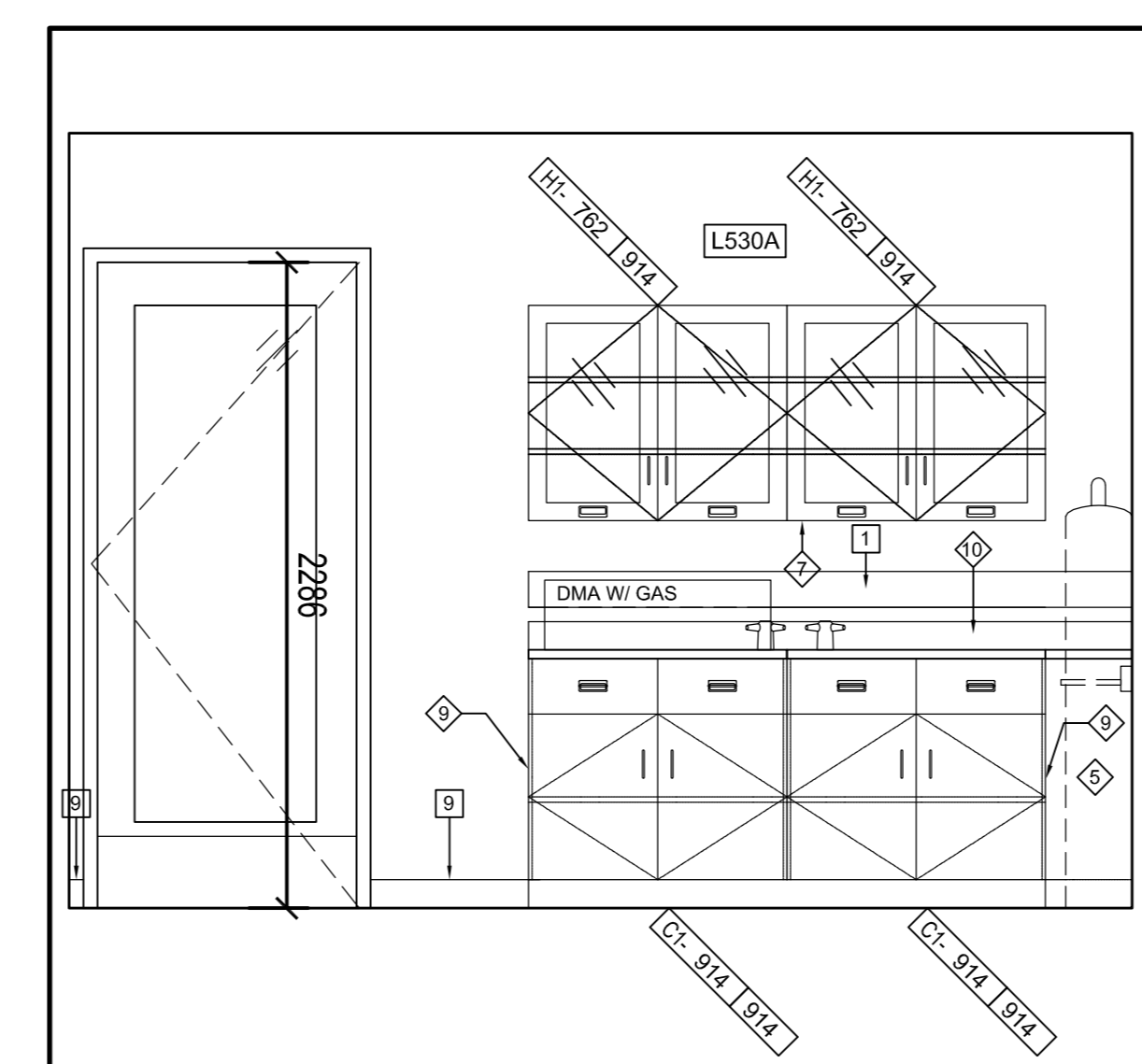
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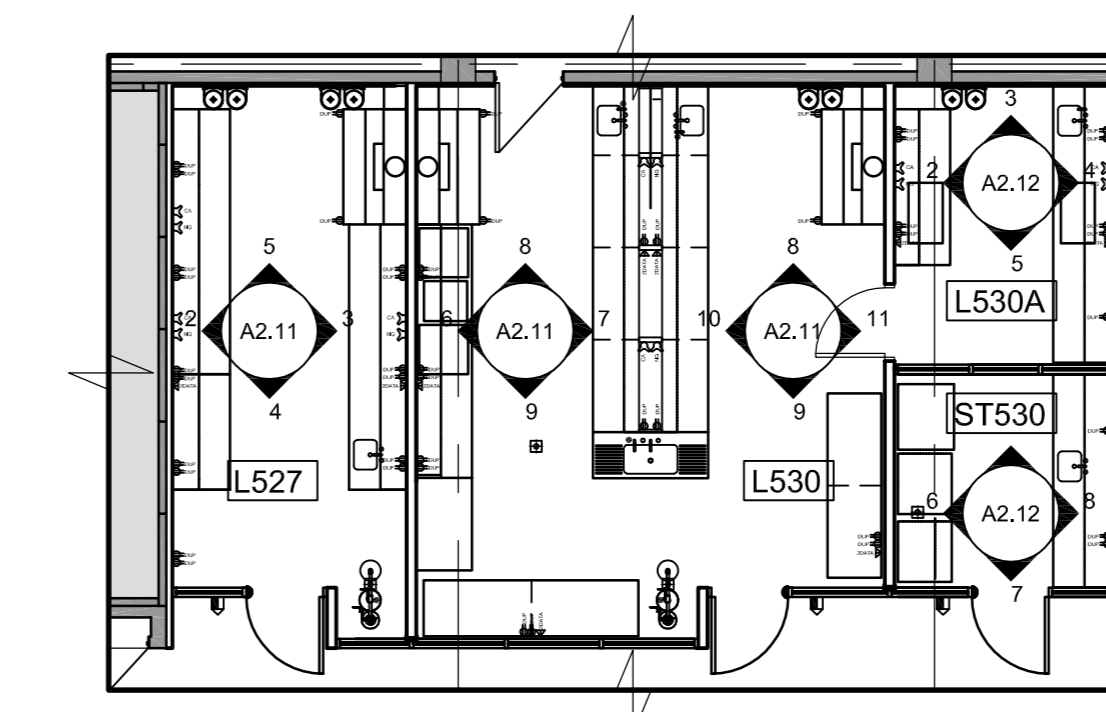
4 L530A - NORTH
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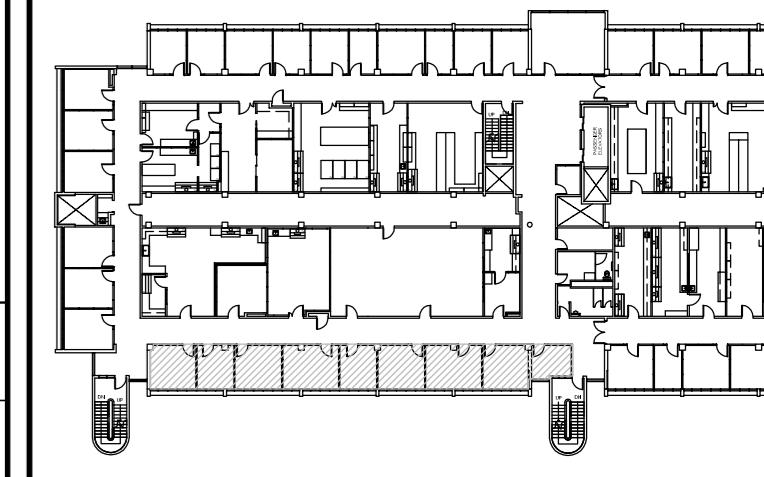
3 L530A - WEST
A2.12 SCALE: 1:25
0 0.2m 1m 2m



2 L530A - SOUTH
A2.12 SCALE: 1:25
0 0.2m 1m 2m



1 L527/L530 - KEY PLAN
A2.12 SCALE: 1:100
0 1m 5m 10m



PLAN LEGEND

- INDICATES ITEMS TO BE DEMOLISHED, UNLESS NOTED TO BE REMOVED
- EMERGENCY SHOWER WITH INTEGRATED EYE WASH STATION
- NEW ROOM NAME AND NUMBER
- CARD READER REFER TO ELECTRICAL DRAWING
- EXISTING FLOOR DRAIN
- FUME HOOD (REFER TO SCHEDULE)
- NEW DOOR NUMBER
- NEW NUMBER EXISTING DOOR
- DOOR STRIKE REFER TO ELECTRICAL DRAWING
- FLOOR DRAIN
- ROOF DRAIN

DEMOLITION FLOOR PLAN LEGEND

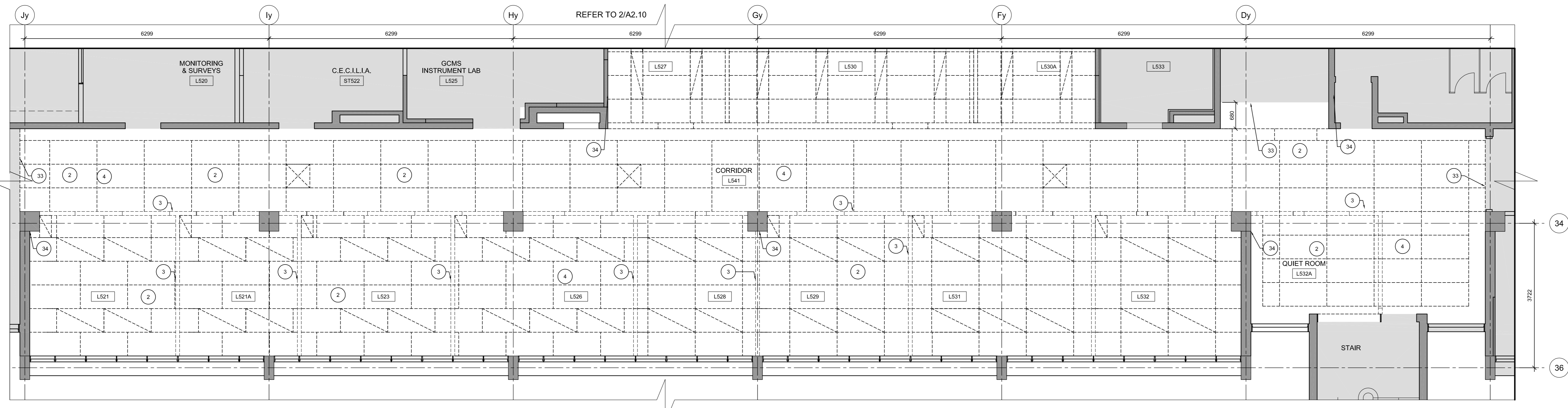
- EXISTING DOOR FRAME AND HARDWARE TO BE DEMOLISHED REFER TO DOOR SCHEDULE
- EXISTING PARTITIONS TO BE DEMOLISHED
- EXISTING CASEWORK TO BE DEMOLISHED
- EXISTING FUME HOOD TO BE DEMOLISHED

DEMOLITION REFLECTED CEILING PLAN LEGEND

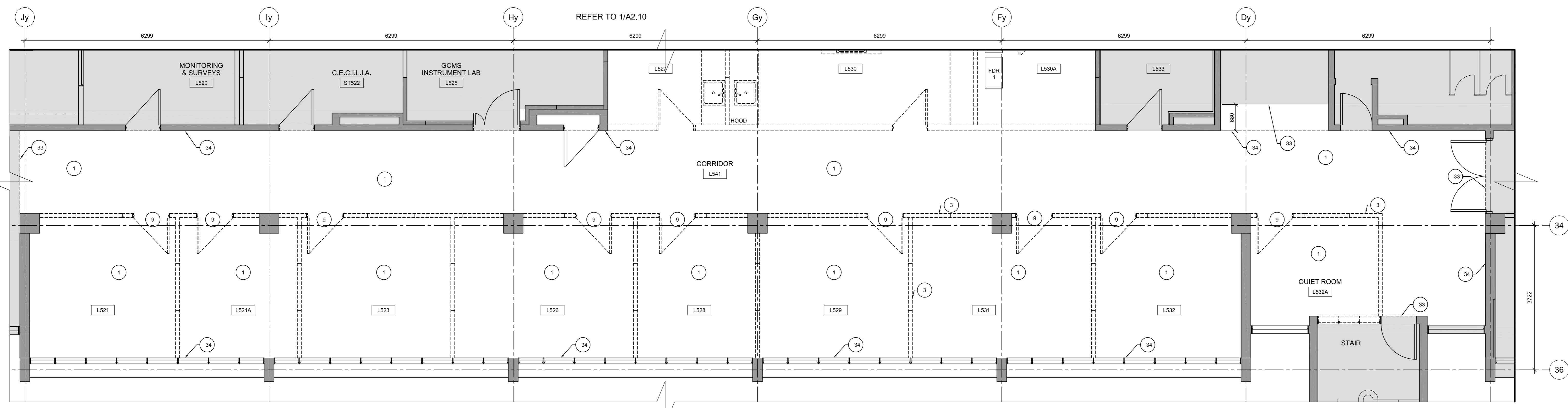
- EXISTING ACT-1 TILE & T-BAR CEILING ASSEMBLY TO BE DEMOLISHED, UNLESS OTHERWISE NOTED ON PLAN
- EXISTING OFFUSER TO BE DEMOLISHED
- EXISTING LIGHTING FIXTURE TO BE DEMOLISHED

DEMOLITION KEY NOTES

- DEMOLISH ALL VINYL FLOORING, DEMOLISH ALL MASTIC AND LEVELING COMPOUNDS DOWN TO SURFACE OF SLAB. GRIND SMOOTH IN PREPARATION TO RECEIVE NEW SHEET FLOORING.
- DEMOLISH ALL ACOUSTIC TILE CEILING, LIGHTING, AND MECHANICAL GRILLES & DIFFUSERS. COMPLETE WITH ALL HANGER WIRES BACK TO US OF SLAB.
- DEMOLISH WALLS AND ASSOCIATED SCREENS WITH FRAMES.
- DEMOLISH ALL SUSPENDED CEILING FIXTURES AND ASSOCIATED HANGER CONDUIT AND JUNCTION BOXES BACK TO SOURCE. PROVIDE TEMPORARY LIGHTING AS REQUIRED FOR CONSTRUCTION.
- DEMOLISH DOORS, WINDOWS, AND FRAMES.
- EXTENT OF EXISTING FINISH FLOOR DEMOLITION.
- PATCH, REPAIR AND PAINT ALL SURFACES WHERE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DEMOLITION HAVE OCCURRED AND WHERE SURFACE HAS VISIBLE DAMAGE.



2 O527-O532A - DEMOLITION RCP
SCALE: 1:50
0 1m 5m



1 O527-O532A - DEMOLITION PLAN
SCALE: 1:50
0 1m 5m

revision	issue	date
1	ISSUED FOR BID	04/11/2015

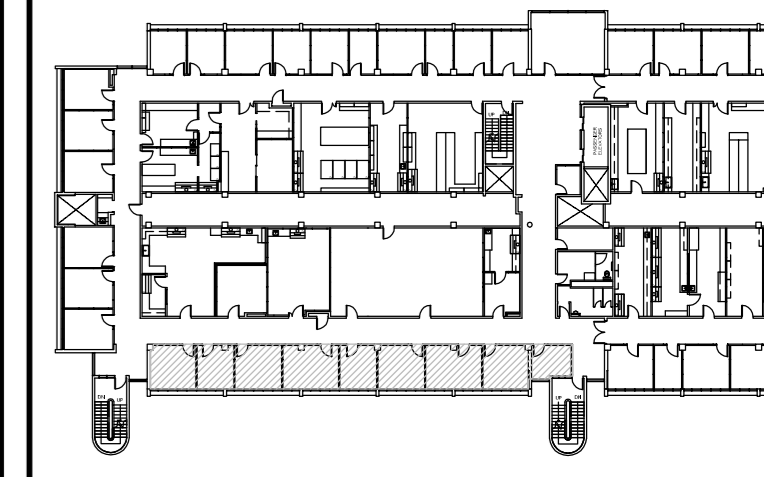
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Detail No. of detail
drawing no. - where detail required
desin no. - ou detail exigé
drawing no. - where detailed
desin no. - ou detaille

project title
titre du projet
CANADA CENTRE FOR INLAND WATERS
867 LAKESHORE ROAD BURLINGTON,
ONTARIO, L7R 4A6
LABS, AHUs, AND HEATING UPGRADE

drawing title
titre du dessin
**A&L BUILDING O521/O532A
DEMOLITION PLANS**

drawn by dessiné par	AP	project manager administrateur de projet
designed by conçu par	GG	
approved by approuvé par	RN	
bid offre	AM	
project date date du projet	2015-11-04	
project no. no. du projet	R.073578.001 DIALOG NO. 09946T0200	
drawing no. dessiné no.	A2.13	



KEY PLAN
N.T.S.

PLAN LEGEND

- INDICATES ITEMS TO BE DEMOLISHED, UNLESS NOTED TO BE REMOVED
- EMERGENCY SHOWER WITH INTEGRATED EYE WASH STATION
- ROOM 000 NEW ROOM NAME AND NUMBER
- CR CARD READER REFER TO ELECTRICAL DRAWING
- EX FLOOR DRAIN
- FH FUME HOOD (REFER TO SCHEDULE)
- NEW DOOR NUMBER
- NEW NUMBER EXISTING DOOR
- DOOR STRIKE REFER TO ELECTRICAL DRAWING
- DS DOOR STRIKE REFER TO ELECTRICAL DRAWING
- FD FLOOR DRAIN
- RD ROOF DRAIN

FLOOR FINISHES

- F1 SEAMLESS VINYL FLOOR W/ INTEGRAL WALL BASE
- F2 EPOXY FLOOR W/ INTEGRAL WALL BASE
- F3 CARPET TILE/ WALL BASE

CEILING LEGEND

- CX CEILING TYPE
- XXXX CEILING HEIGHT
- 610x610mm INSET LIGHTING FIXTURE (A2) (REFER TO ELECTRICAL DRAWINGS)
- 610x610mm INSET LIGHTING FIXTURE (A3) (REFER TO ELECTRICAL DRAWINGS)
- SUPPLY AIR DIFFUSER (REFER TO MECHANICAL DRAWINGS)
- GENERAL EXHAUST (REFER TO MECHANICAL DRAWINGS)
- 610x1200mm RECESSED LIGHTING FIXTURE (A3) (REFER TO ELECTRICAL DRAWINGS)
- EXIT SIGN (REFER TO ELECTRICAL DRAWINGS)

CEILING CONSTRUCTION

- C1 610x610mm LAY-IN ACOUSTIC CEILING TILE DESIGN W/ DOUBLE TEC LOCATION AND METAL PAN ENDS AT LIGHT FIXTURES.
- C2 12.7mm GYPSUM BOARD AIR VAPOUR BARRIER STEEL STUD FRAMING TO SUIT BATT INSULATION
- C3 [DESIGNED TO ULC W42] 15.9mm TYPE X GYPSUM BOARD (2 LAYERS) 94mm C-H STUDS 610mm O.C. 25.4mm GYPSUM FUR PANEL 15.9mm TYPE X GYPSUM BOARD METAL SUSPENSION SYSTEM
- C4 12.7mm GYPSUM STEEL STUD FRAMING TO SUIT
- US NO CEILING PAINT ON STRUCTURE AND SERVICES.

WALL FINISH LEGEND

- PT-1 WHITE PAINT
- PT-2 HIGHLIGHT PAINT COLOUR
- FN-1 GRAPHIC PRINT
- FN-2 300mm PORCELAIN TILE

NOTE: ALL WALL AND CEILING GYPSUM TO BE PAINTED PT-1 UNLESS OTHERWISE NOTED.

WALL & FURRING TYPES

- PG DEMOUNTABLE GLASS WALL SYSTEM
- PT DEMOUNTABLE PANEL WALL SYSTEM W/ TRANSOM GLAZING
- W1 190mm CONCRETE BLOCK (TO EXTENT OF DOORWAY) PAINT TO MATCH ADJACENT INTERIOR & EXTERIOR
- F1 15.9mm GYPSUM BOARD 92mm STEEL STUDS @ 400mm O.C.
- F2 15.9mm GYPSUM BOARD 152mm STEEL STUDS @ 400mm O.C.

1. UNLESS OTHERWISE NOTED, ALL INTERIOR PARTITIONS TO BE UNDERSIDE OF DECK STRUCTURE
2. PROVIDE 19mm PLYWOOD SHEATHING OR STRAPPING IN WALL AT LOCATIONS WHERE CASEWORK IS TO BE INSTALLED, COORDINATE WITH CASEWORK TRADE

CONSTRUCTION KEY NOTES

- 8 FABRIC ROLLER BLINDS
- 27 ALIGN EDGE OF NEW WALL WITH THE EDGE OF EXISTING COLUMN
- 28 ANODIZED ALUM. FILLER FIXED TO WINDOW FRAME WITH DOUBLE SIDED BUTYL TAPE & SECURED TO SUPPORT
- 29 CLEAR ANODIZED ALUM. CAP. OVER END OF WALL
- 30 APPLY 100mm VINYL WALL BASE
- 31 NEW VENT. REFER TO MECHANICAL DRAWINGS
- 32 EXTENT OF SEAMLESS VINYL FLOOR
- 33 METAL TRANSITION STRIP

revision	issue	date
2	ISSUED FOR BID	04/11/2015

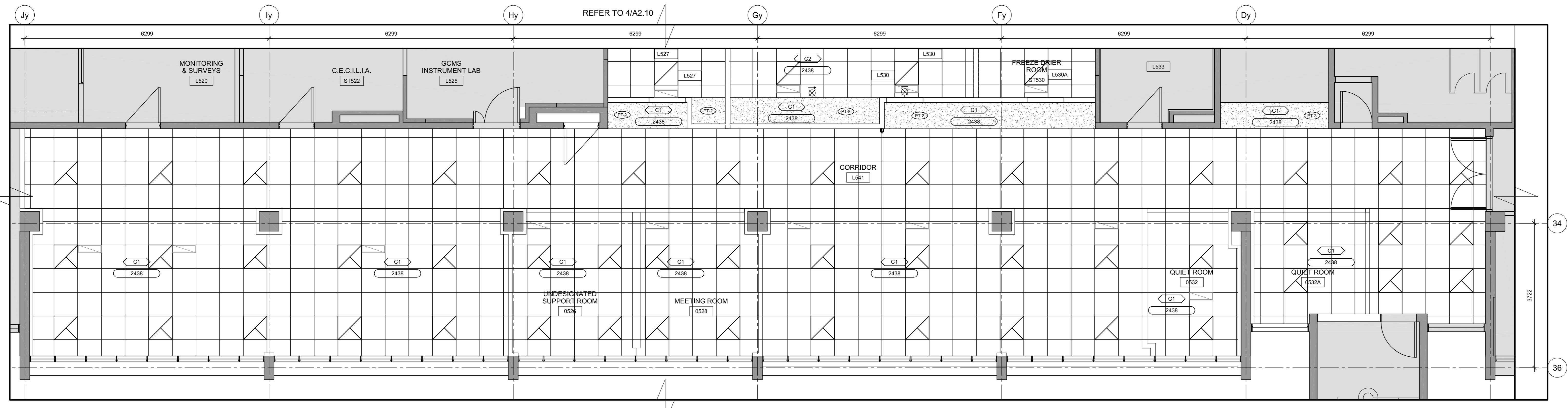
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Detail No.	No. of detail
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B	0
C	0

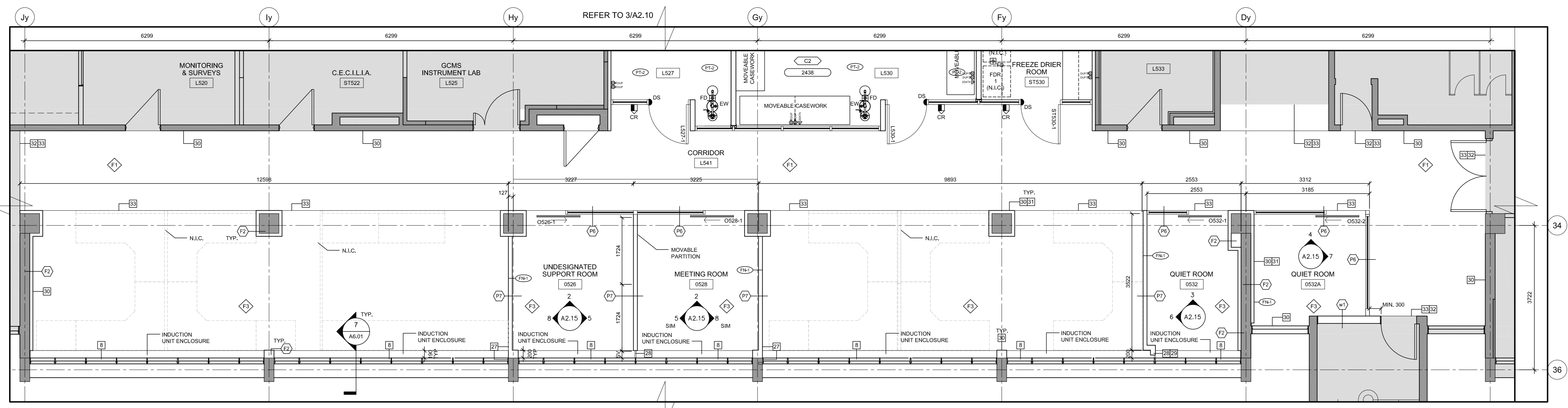
project title
titre du projet
CANADA CENTRE FOR INLAND WATERS
867 LAKESHORE ROAD BURLINGTON, ONTARIO, L7R 4A6
LABS, AHUs, AND HEATING UPGRADE

drawing title
titre du dessin
A&L BUILDING 0521/0532A
DESIGN PLANS

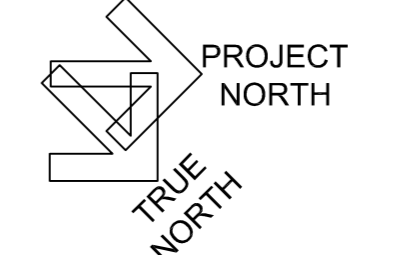
drawn by dessiné par	AP
designed by conçu par	GG
approved by approuvé par	RN
bid offre	AM
project manager administrateur de projet	
project date date du projet	2015-11-04
project no. no. du projet	R.073578.001 DIALOG NO. 09946T0200
drawing no. dessiné no.	A2.14



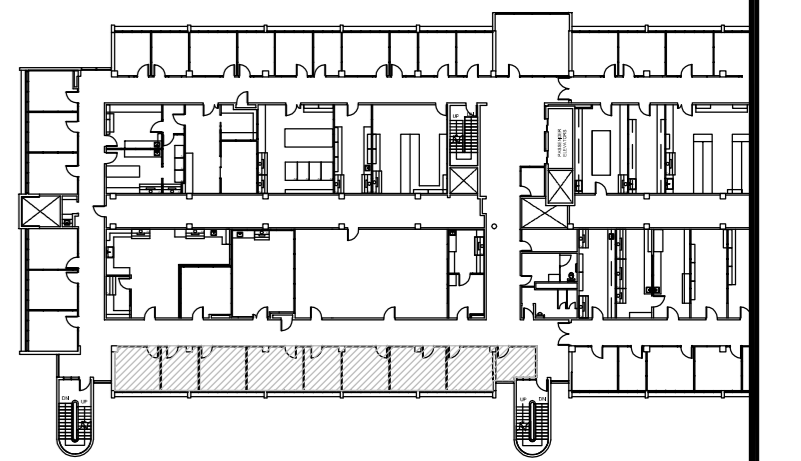
2 O527-0532A - DESIGN RCP
SCALE: 1:50
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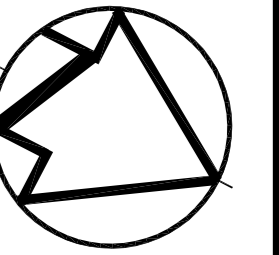
1 O527-0532A - DESIGN PLAN
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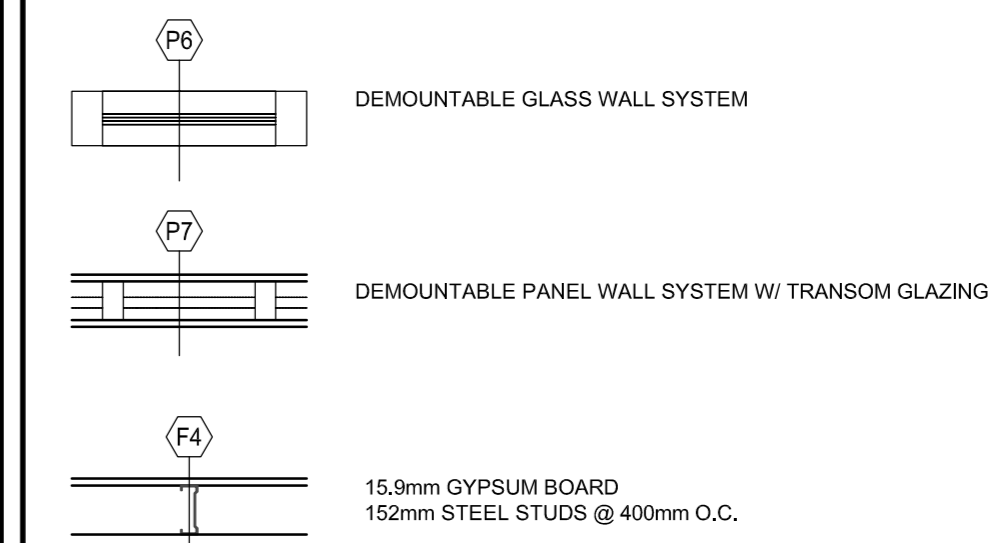
Stamp



KEY PLAN
N.T.S.

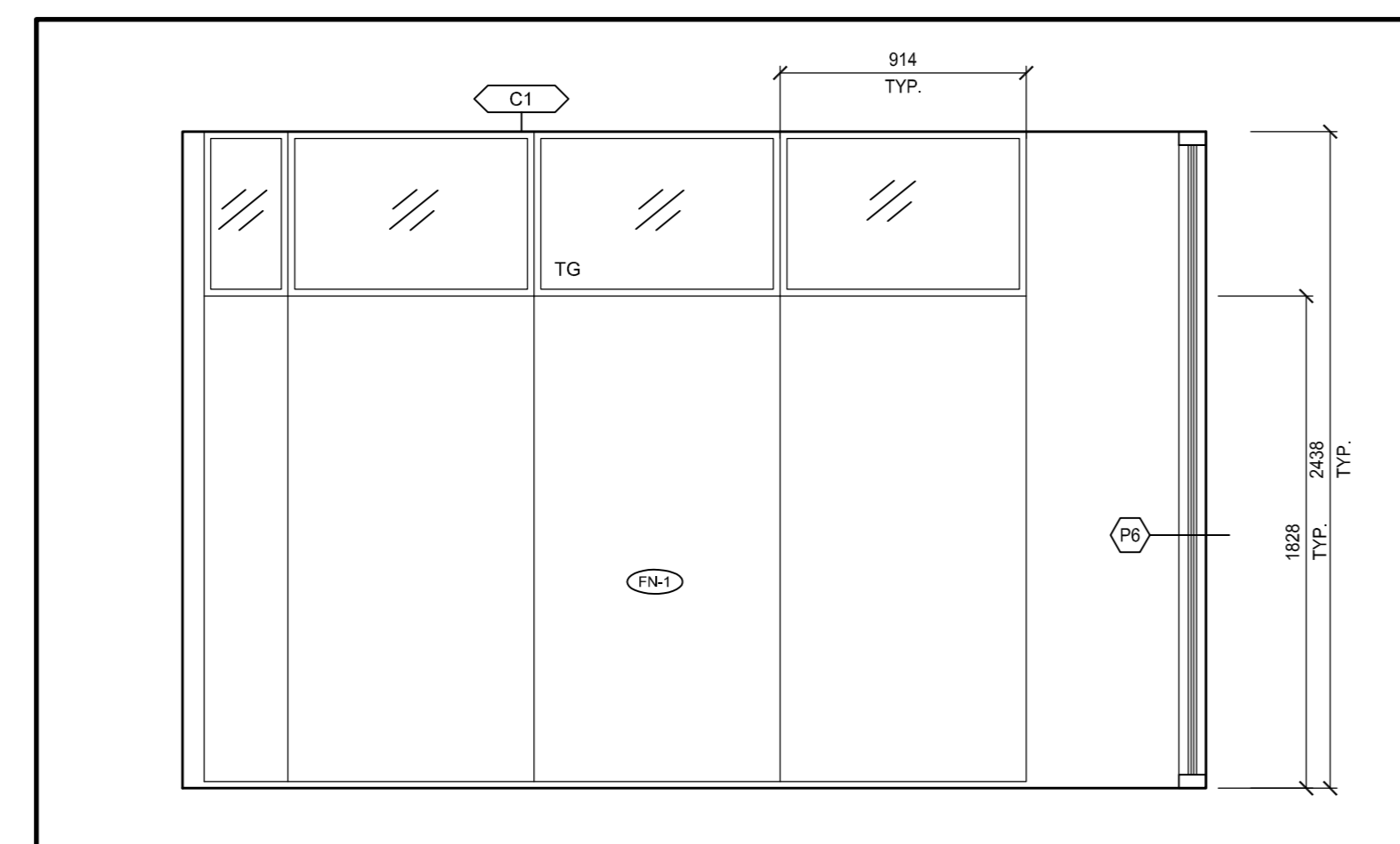
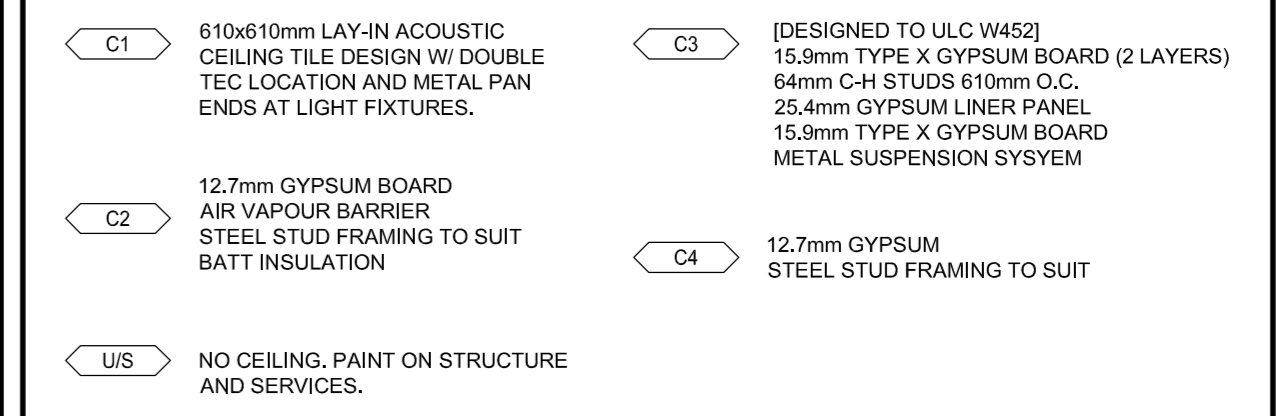


WALL & FURRING TYPES

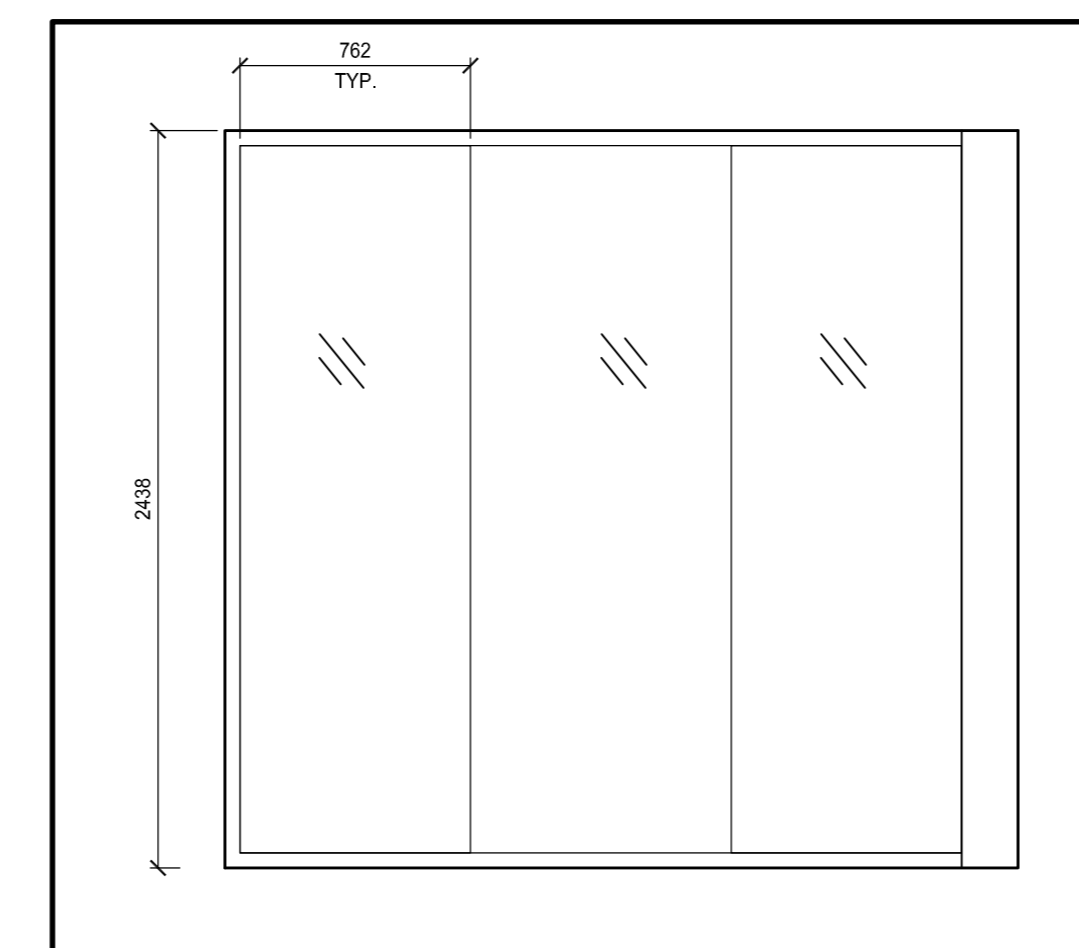


- UNLESS OTHERWISE NOTED, ALL INTERIOR PARTITIONS TO BE UNDERSIDE OF DECK STRUCTURE
- PROVIDE 19mm PLYWOOD SHEATHING OR STRAPPING IN WALL AT LOCATIONS WHERE CASEWORK IS TO BE INSTALLED. COORDINATE WITH CASEWORK TRADE

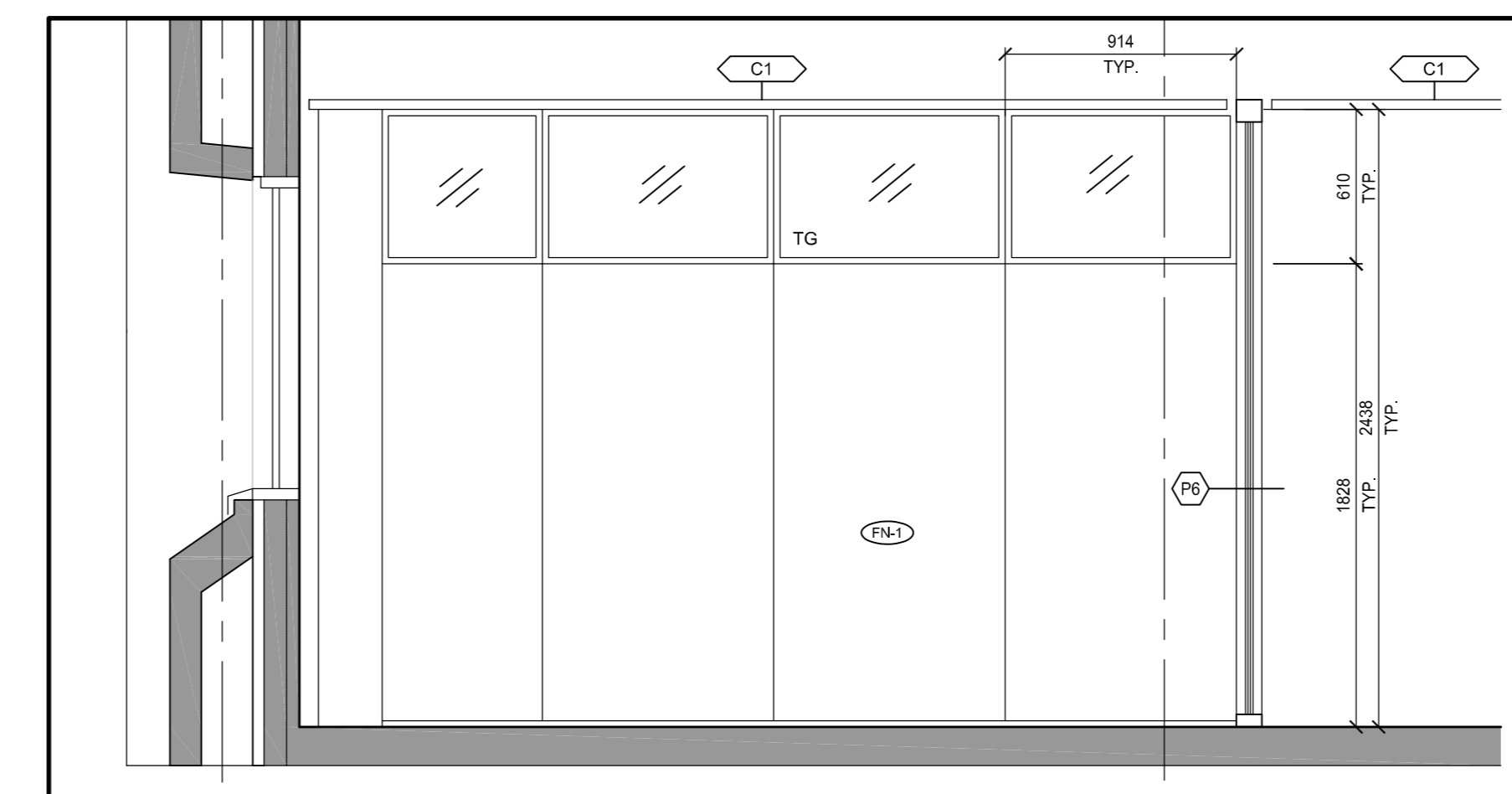
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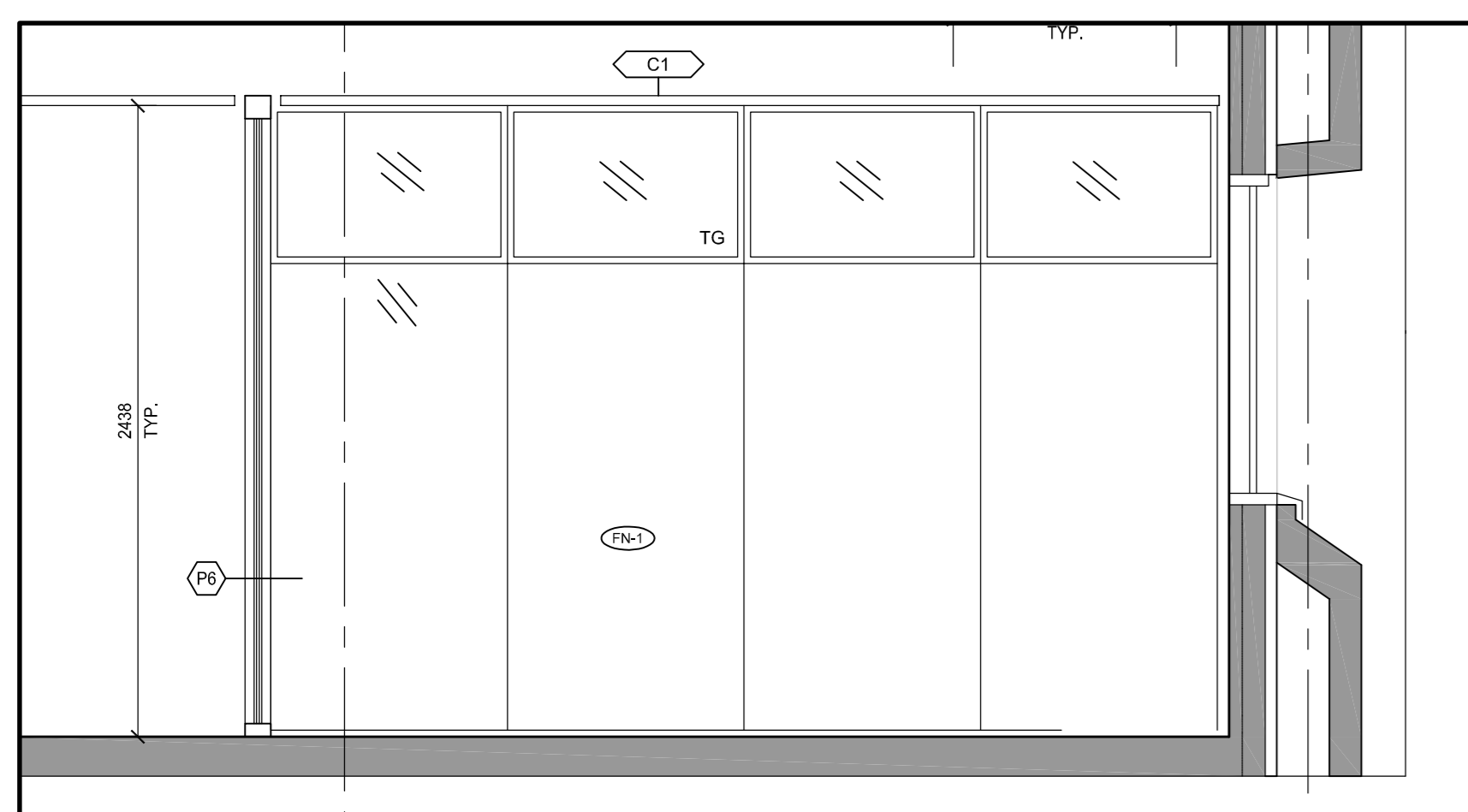
8 O526- SOUTH
A2.15 SCALE: 1:25
0 0.2m 1m 2m



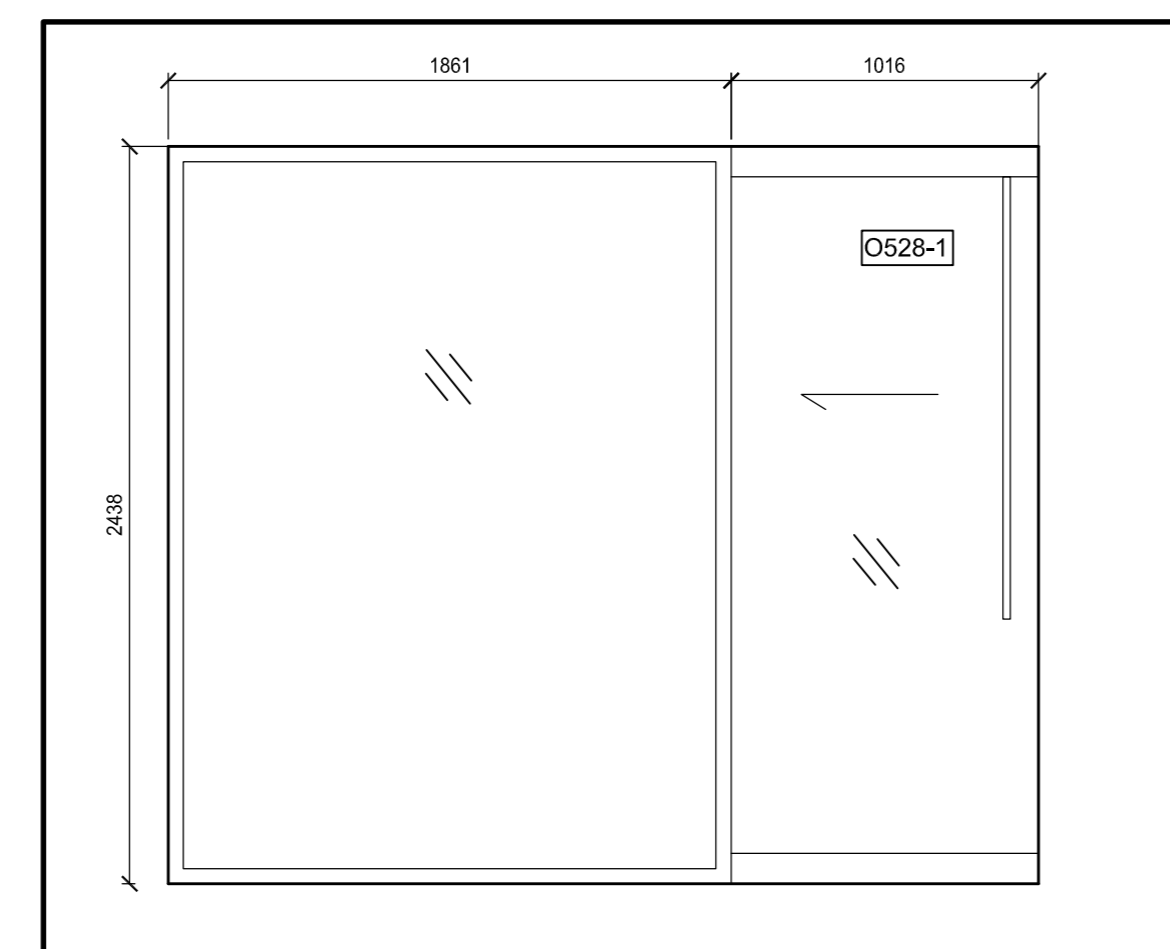
7 O532S- NORTH
A2.15 SCALE: 1:25
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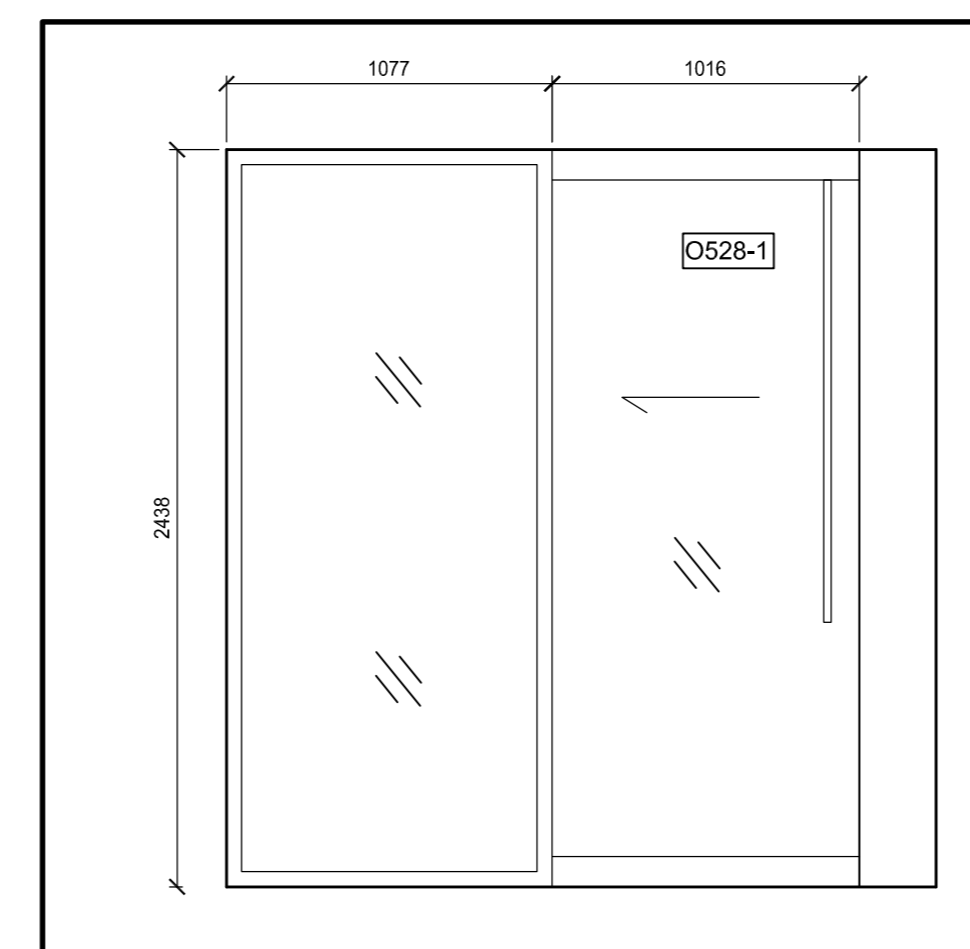
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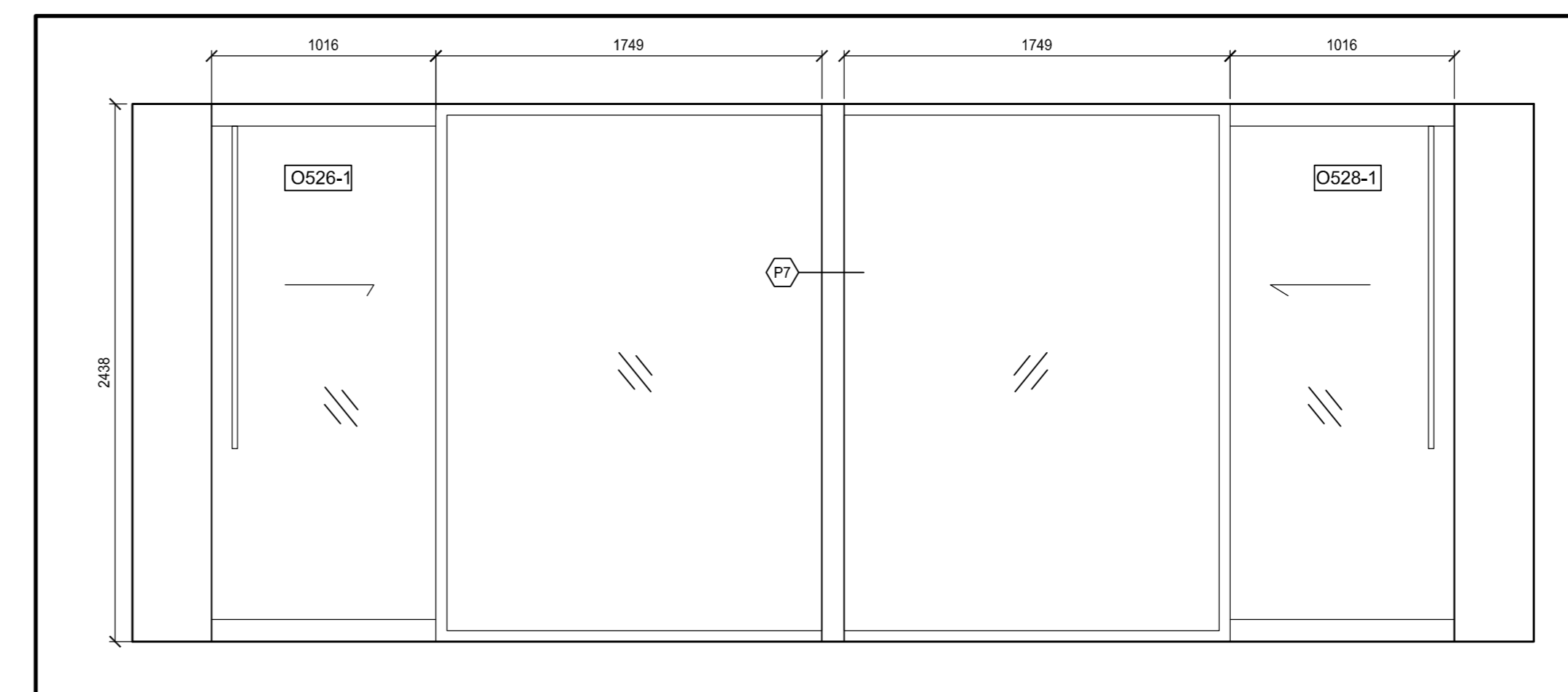
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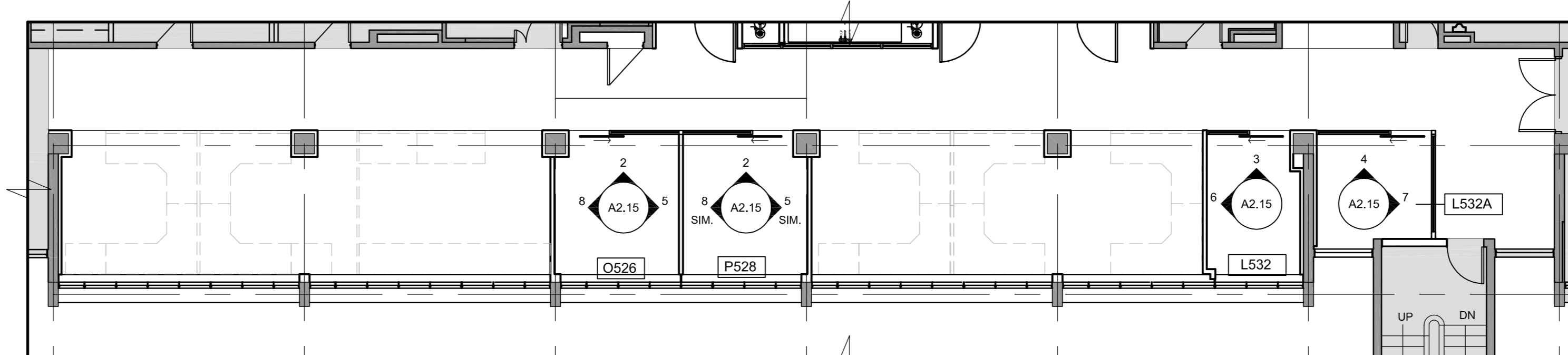
4 O532A- WEST
A2.15 SCALE: 1:25
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3 O532- WEST
A2.15 SCALE: 1:25
0 0.2m 1m 2m



2 O526- WEST
A2.15 SCALE: 1:25
0 0.2m 1m 2m



1 L527/L532 - KEY PLAN
A2.15 SCALE: 1:100
0 1m 5m 10m

2	ISSUED FOR BID	04/11/2015
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Do not scale drawings. Only all dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies.

- A** Detail No.
- B** No. du detail
- C** drawing no. - where detailed

project title
titre du projet

CANADA CENTRE FOR INLAND WATERS
867 LAKESHORE ROAD BURLINGTON,
ONTARIO, L7R 4A6
LABS, AHUs, AND HEATING UPGRADE

drawing title
titre du dessin
A&L BUILDING 0521/0532A ELEVATIONS

drawn by
dessiné par JJ

designed by
conçu par GG

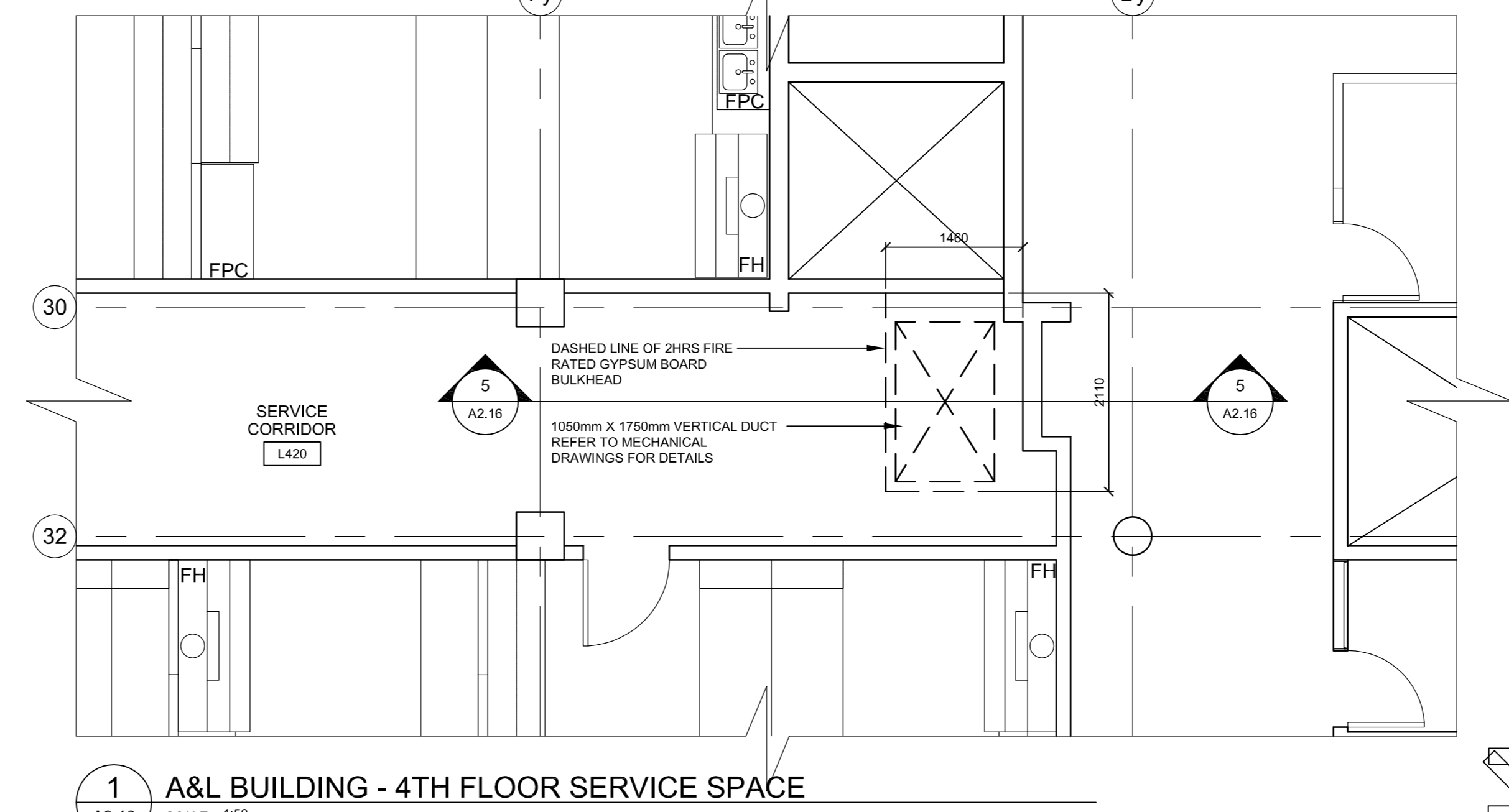
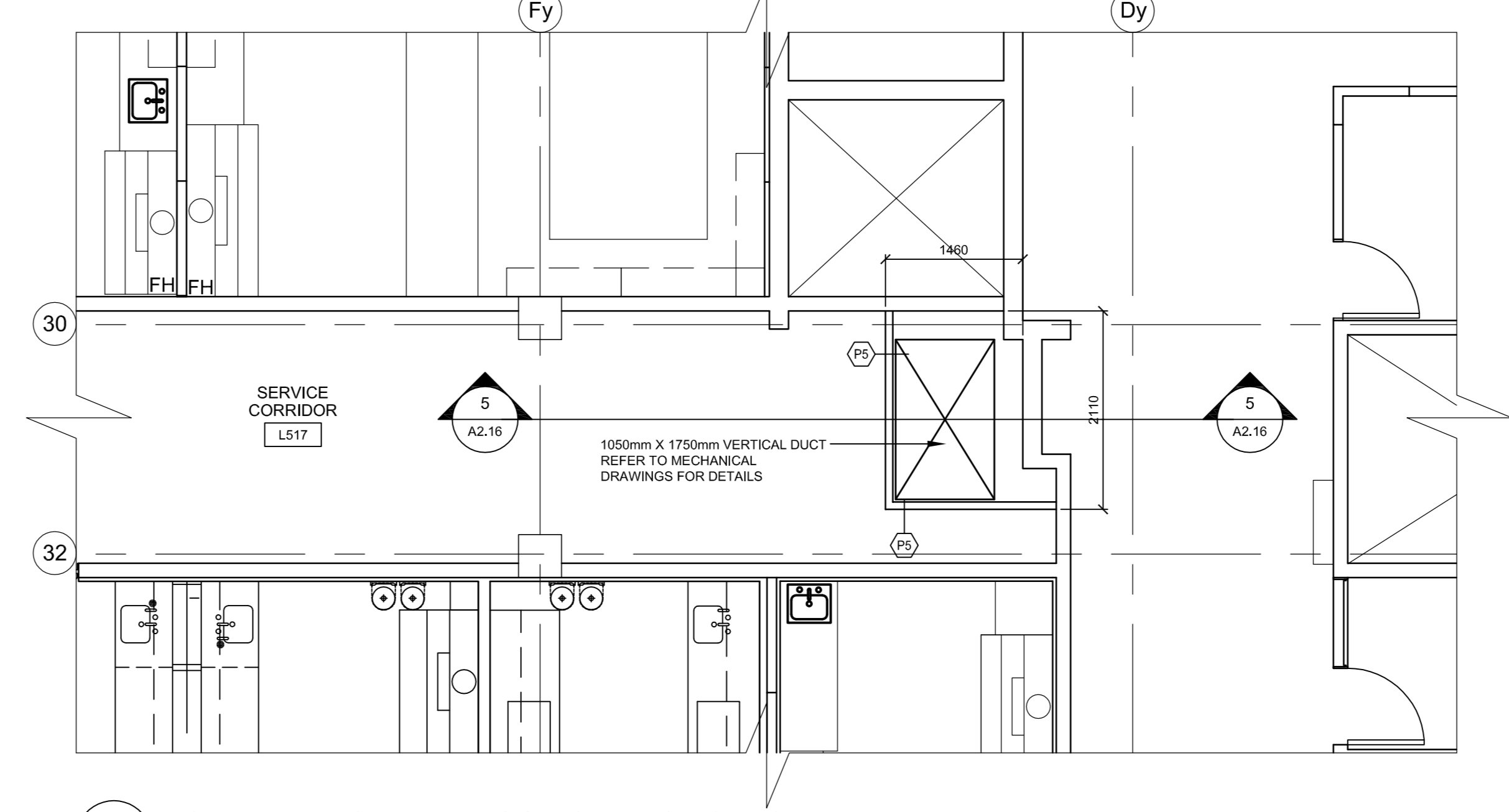
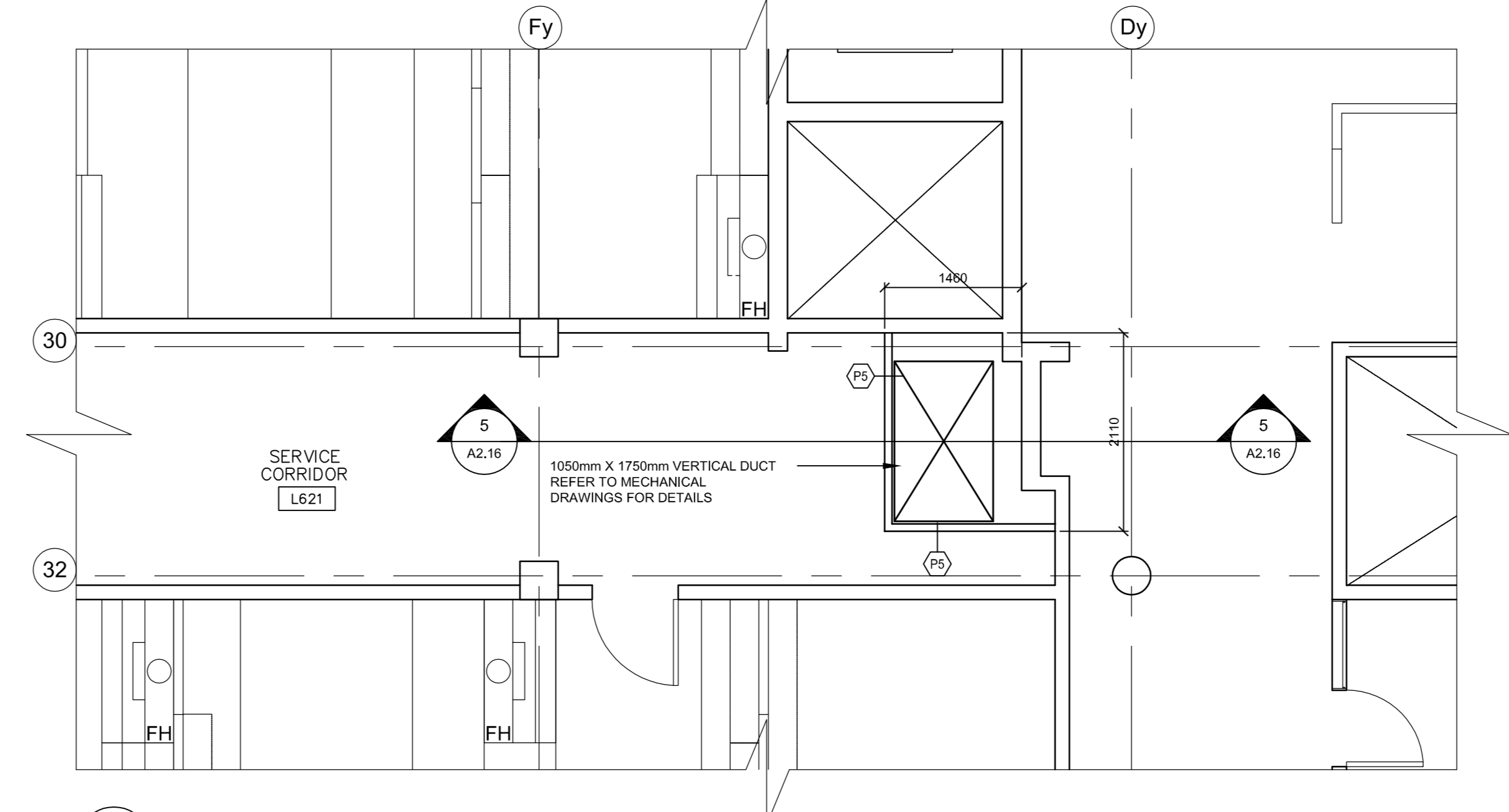
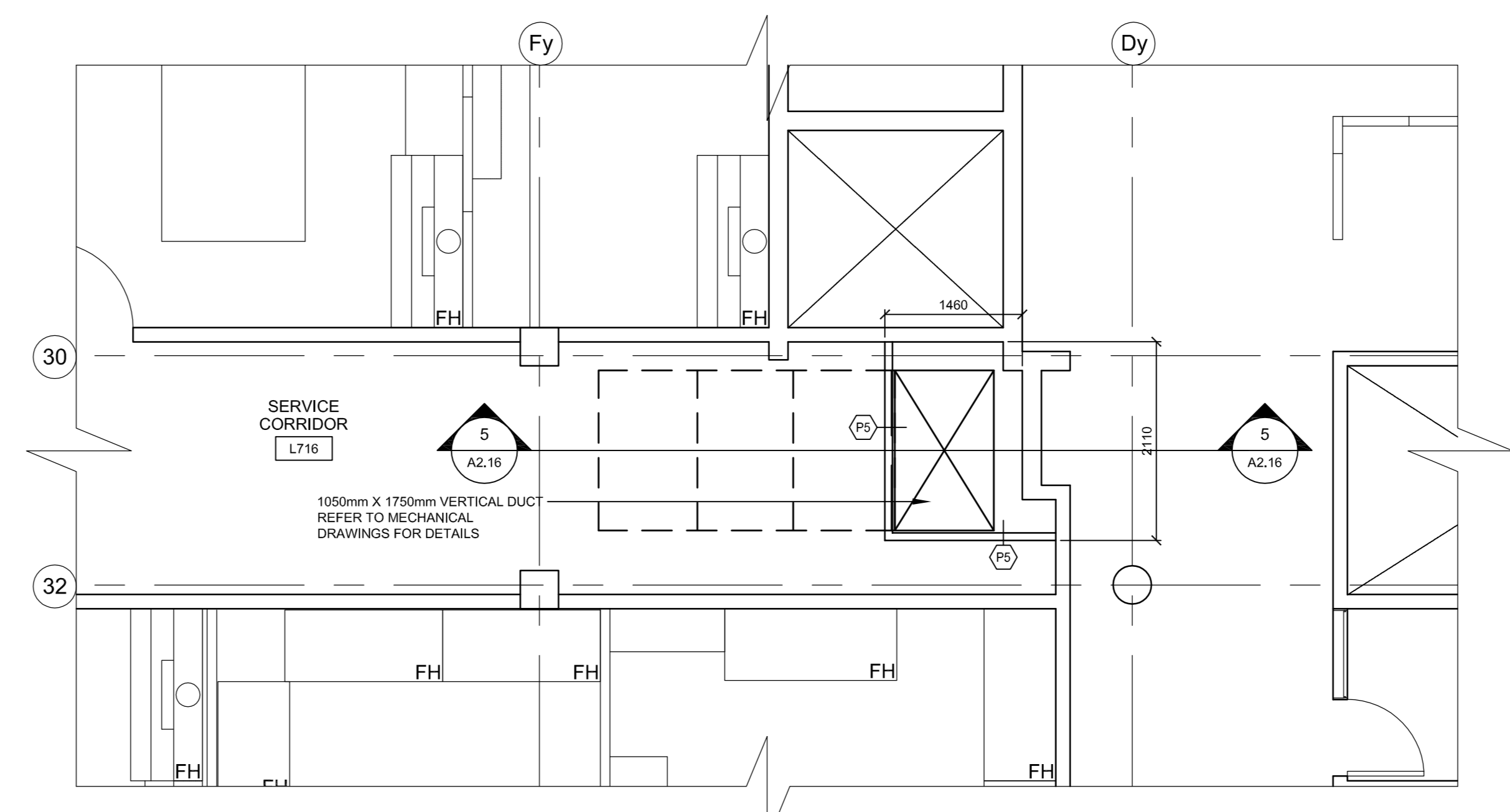
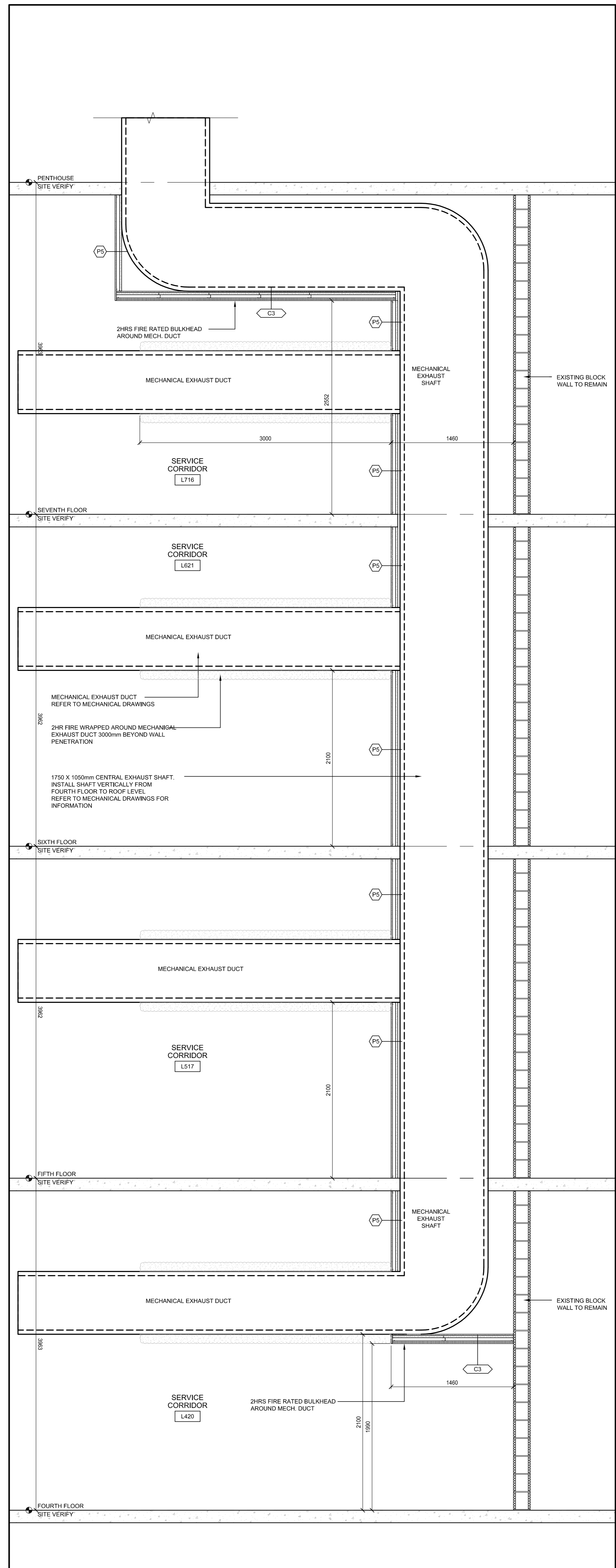
approved by
approuvé par RN

bid office
AM project manager
administrateur de projets

project date
date du projet 2015-11-04

project no.
no. du projet R.073578.001
DIALOG NO. C9846T0200

drawing no.
dessiné no. A2.15



PLAN LEGEND

INDICATES ITEMS TO BE DEMOLISHED, UNLESS NOTED TO BE REMOVED

EMERGENCY SHOWER WITH INTEGRATED EYE WASH STATION

ROOM 000 NEW ROOM NAME AND NUMBER

CR CARD READER REFER TO ELECTRICAL DRAWING

EX EXISTING FLOOR DRAIN

FH FUME HOOD (REFER TO SCHEDULE)

NEW DOOR NUMBER

NEW NUMBER EXISTING DOOR

DOOR STRIKE REFER TO ELECTRICAL DRAWING

DS DOOR STRIKE REFER TO ELECTRICAL DRAWING

FD FLOOR DRAIN

RD ROOF DRAIN

WALL & FURRING TYPES

15.0mm TYPE X FIRE RATED GYPSUM BOARD
 8mm G/C STUDS @ 60mm O.C.
 25.4mm GYPSUM LINER PANELS
 (EXT. FROM FLOOR TO TOP OF STRUCTURE)
 ULC Des W452 System A UL Des U415 System B
 or U487
 (2 HRS FIRE RATING)

1. UNLESS OTHERWISE NOTED, ALL INTERIOR PARTITIONS TO BE TO UNDERSIDE OF DECK STRUCTURE
 2. PROVIDE 19mm PLYWOOD SHEATHING OR STRAPPING IN WALL AT LOCATIONS WHERE CASEWORK IS TO BE INSTALLED. COORDINATE WITH CASEWORK TRADE

CEILING CONSTRUCTION

(DESIGNED TO ULC W452)
 15.0mm TYPE X GYPSUM BOARD (2 LAYERS)
 6mm G/C STUDS @ 60mm O.C.
 25.4mm GYPSUM LINER PANEL
 15.0mm TYPE X GYPSUM BOARD
 METAL SUSPENSION SYSTEM

Public Works and Government Services Canada
 Travaux publics et Services gouvernementaux Canada

DIALOG

Stamp

ONTARIO ASSOCIATION OF ARCHITECTS
 JAMES R. ANDERSON
 LICENSE 5165

KEY PLAN
 N.T.S.



1	ISSUED FOR BID	04/11/2015
revision	Issue	date

Detail No. of detail

A drawing no. - where detail required

B design no. - ou detail exigé

C drawing no. - where detailed

design no. - ou detaille

project title
 titre du projet

CANADA CENTRE FOR INLAND WATERS
 867 LAKESHORE ROAD BURLINGTON,
 ONTARIO, L7R 4A6
 LABS, AHUs, AND HEATING UPGRADE

drawing title
 titre du dessin

A&L BUILDING 4TH TO 7TH FLOOR SERVICE SPACE DETAIL PLANS & SECTION

drawn by
 dessiné par JJ

designed by
 conçu par GC

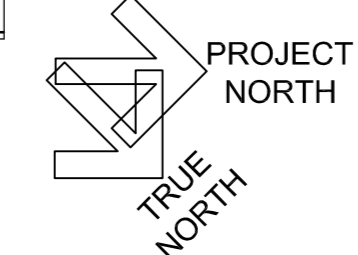
approved by
 approuvé par RN

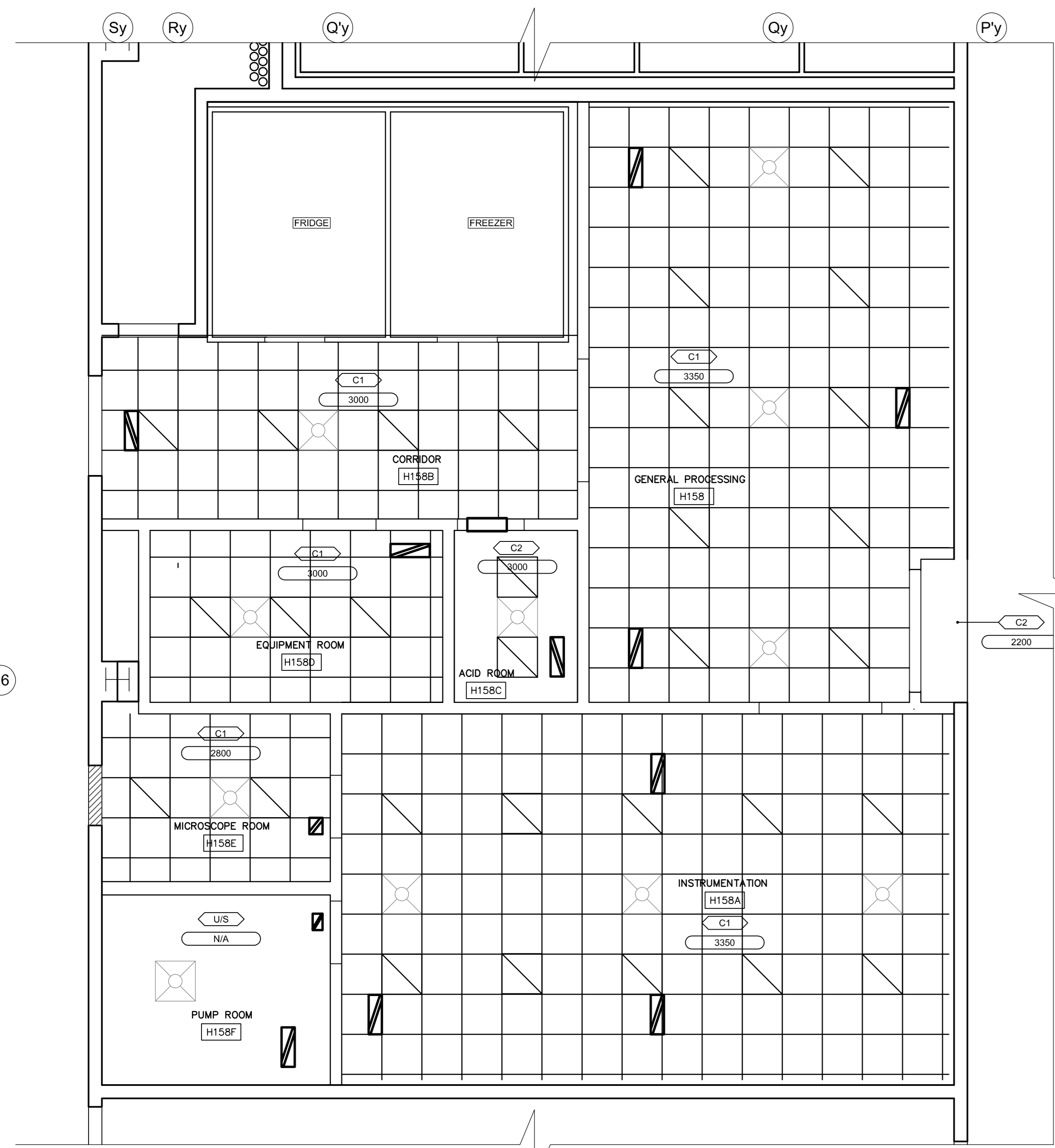
bid
 offre AM project manager
 administrateur de projet

project date
 date du projet 2015-11-04

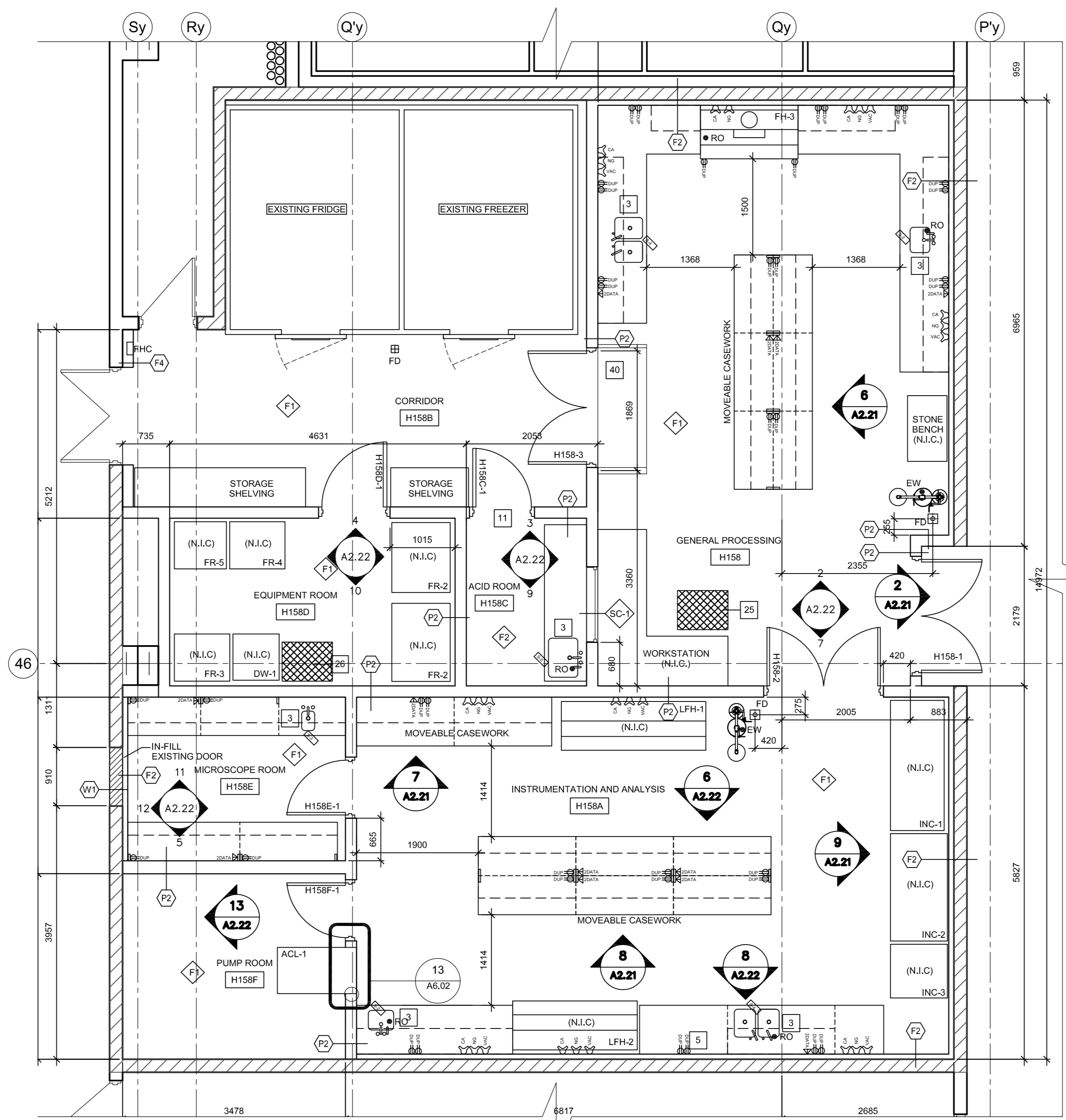
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drawing no.
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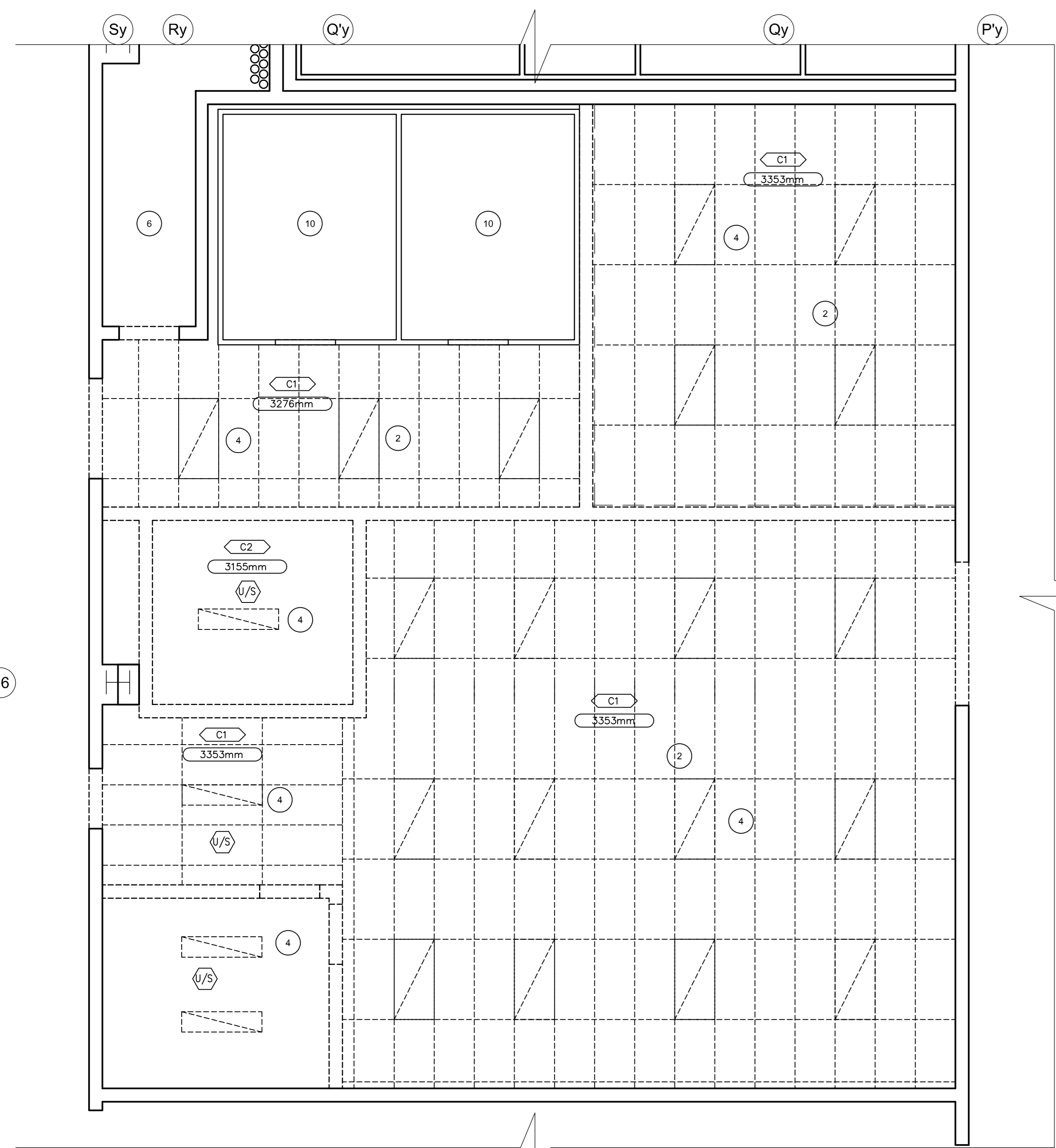




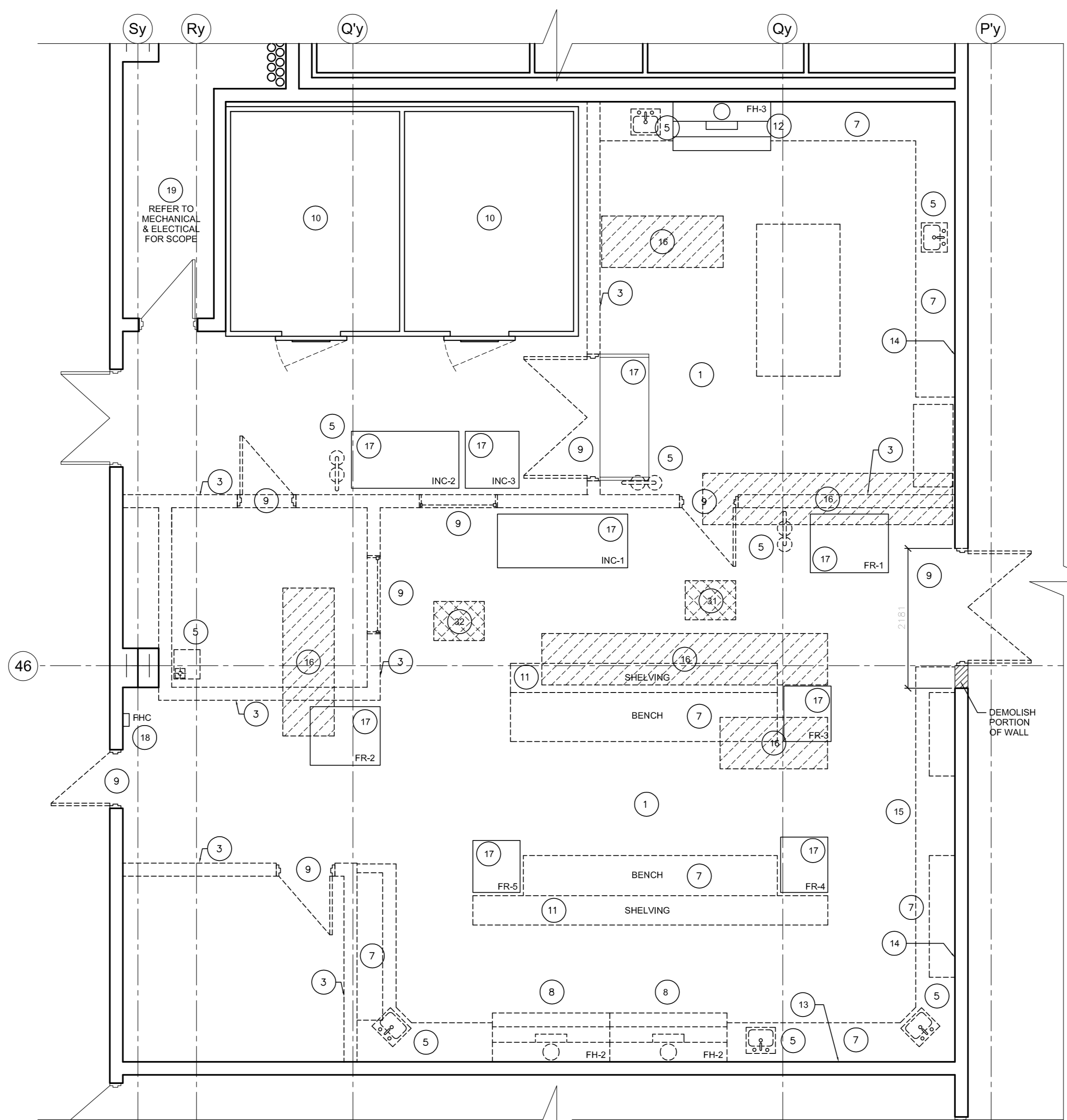
4 H158 - DESIGN RCP
SCALE: 1:50
A2.20



3 H158 - DESIGN PLAN
SCALE: 1:50
A2.20



2 H158 - DEMOLITION RCP
SCALE: 1:50
A2.20

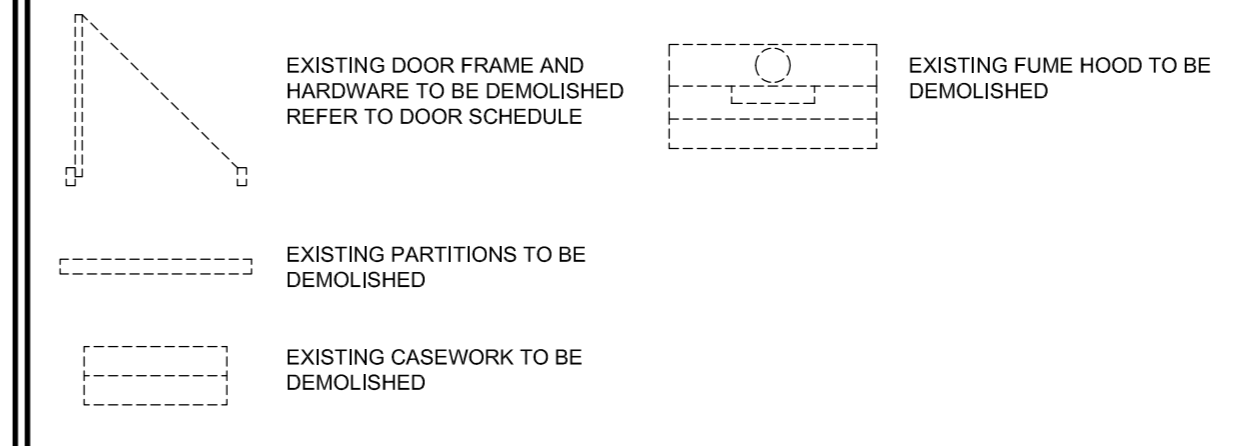


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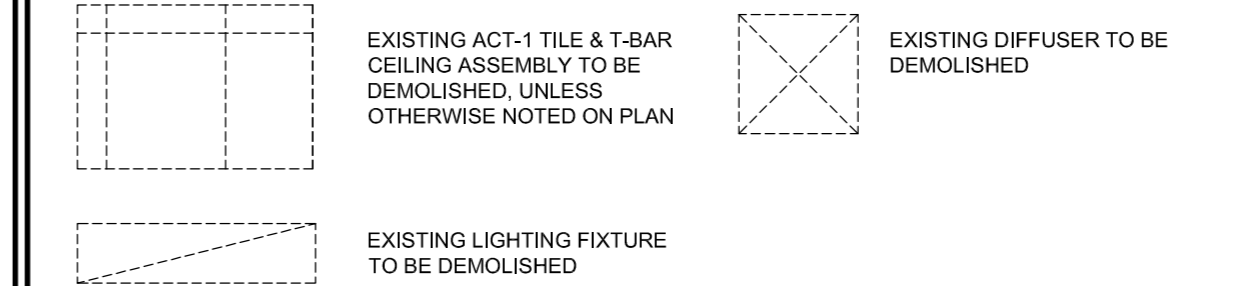
DEMOLITION KEY NOTES

- DEMOLISH ALL VINYL FLOORING, DEMOLISH ALL MASTIC AND LEVELING COMPOUNDS DOWN TO SURFACE OF SLAB. GRIND SMOOTH IN PREPARATION TO RECEIVE NEW SHEET FLOORING.
- DEMOLISH ALL ACOUSTIC TILE CEILING, LIGHTING, AND MECHANICAL GRILLES & DIFFUSERS. COMPLETE WITH ALL HANGER WIRES BACK TO US OF SLAB.
- DEMOLISH WALLS AND ASSOCIATED SCREENS WITH FRAMES.
- DEMOLISH ALL SUSPENDED CEILING FIXTURES AND ASSOCIATED HANGER CONDUIT AND JUNCTION BOXES BACK TO SOURCE. PROVIDE TEMPORARY LIGHTING AS REQUIRED FOR CONSTRUCTION.
- DEMOLISH ALL PLUMBING, PIPE SUPPORT, UNSTRUTS AND STEEL PLATE PIPE GUARDS. CUT ALL WALL AND/OR RISER FLUSH TO WALL SURFACE. REFER TO MECHANICAL DOCUMENTS.
- REMOVE ELECTRICAL PANEL. FILL VOID WITH CONCRETE BLOCK TO MATCH EXISTING.
- DEMOLISH ALL LABORATORY CASEWORK INCLUDING UPPER SHELVES, FIXTURES AND FURNITURE.
- DEMOLISH FUME HOOD AND ASSOCIATED DUCTWORK BACK TO SERVICE CORE WALL. REFER TO MECHANICAL DOCUMENTS AND HAZARDOUS MATERIAL REPORT FOR REQUIREMENTS FOR THE REMOVAL OF MATERIALS.
- DEMOLISH DOORS, WINDOWS, AND FRAMES.
- REMOVE ALL MODULAR SHELVING. PLACE IN SECURE LOCATION FOR LATER USE BY CLIENT.
- WALK-IN FRIDGE/FREEZERS TO REMAIN.
- REMOVE ALL MODULAR SHELVING. PLACE IN SECURE LOCATION FOR LATER USE BY CLIENT.
- REMOVE FUME HOOD, OR FIRE HOSE CABINET, FOR LATER USE. PLACE IN SECURE LOCATION. REFER TO SPECIFICATION.
- REMOVE MILL-Q WATER PURIFIER FOR LATER USE. PLACE IN SECURE LOCATION. REFER TO SPECIFICATION.
- DEMOLISH PANELING AND FURRING WALL BACK TO CONCRETE BLOCK WALL.
- EXISTING MECHANICAL UNIT TO REMAIN. REFER TO MECHANICAL DRAWINGS FOR INFORMATION.
- CUT CONCRETE FLOOR SLAB TRENCH FOR ASSOCIATED MECHANICAL WORK. REFER TO MECHANICAL DRAWINGS FOR TRENCH EXTENT.
- REMOVE ITEM FOR LATER USE. PLACE IN SECURE LOCATION FOR LATER USE BY CLIENT.
- REMOVE FIRE HOSE CABINET FOR LATER USE. PLACE IN SECURE LOCATION. REFER TO SPEC.
- PATCH AND MAKE GOOD PENETRATIONS AND SURFACE DAMAGE RESULTING FROM DEMOLITION WORK.
- FILL ALL OPEN PENETRATIONS IN FLOOR SLAB DUE TO DEMOLITION WORK. MAINTAIN FIRE SEPARATION RATING. REFER TO STRUCTURAL DRAWINGS S1.01 FOR INFILL DETAILS.
- DEMOLISH HOUSEKEEPING PADS. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT DEMOLITION.
- ACID TANK TO BE RELOCATED & REPLACED.
- SEDIMENT INTERCEPTOR TO BE RELOCATED AND REPLACED.

DEMOLITION FLOOR PLAN LEGEND



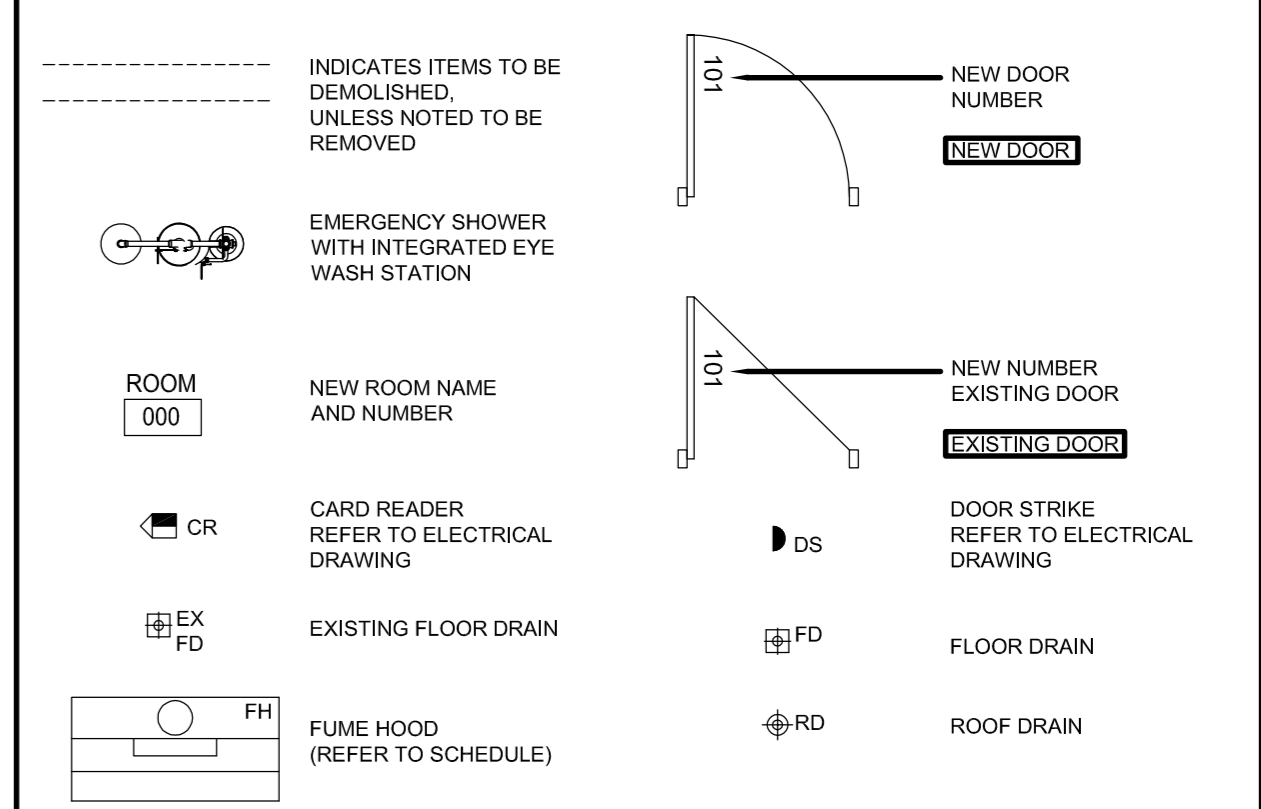
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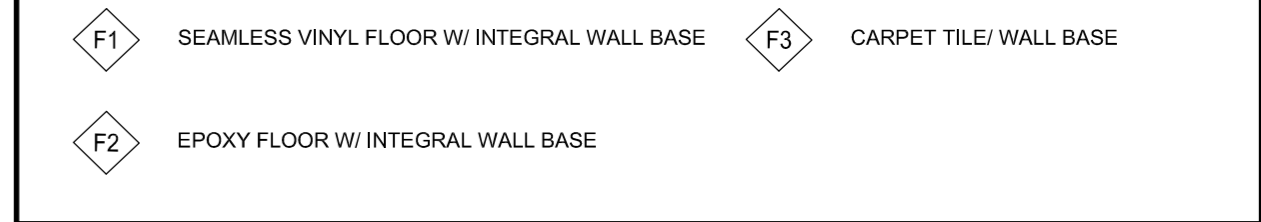
CONSTRUCTION KEY NOTES

- EPOXY LAY-IN SINK IN EPOXY COUNTERTOP
- MILL-Q WATER PURIFIER
- TILED WASH-DOWN AREA W/ HOT & COLD WATER AND FLOOR DRAIN
- ACID NEUTRALIZER TANK
- SEDIMENT INTERCEPTOR
- EXISTING METAL RAMP TO BE REINSTALLED AS INDICATED

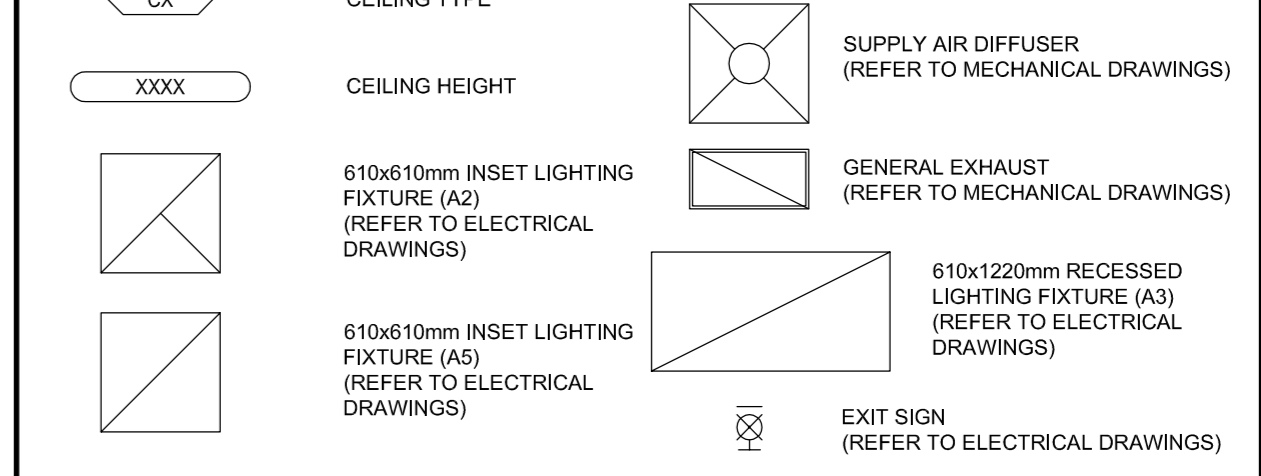
PLAN LEGEND



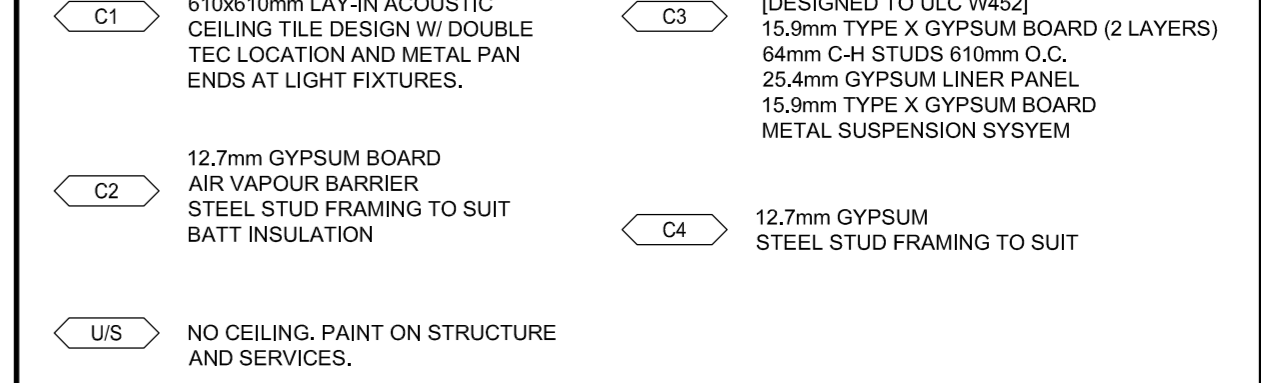
FLOOR FINISHES



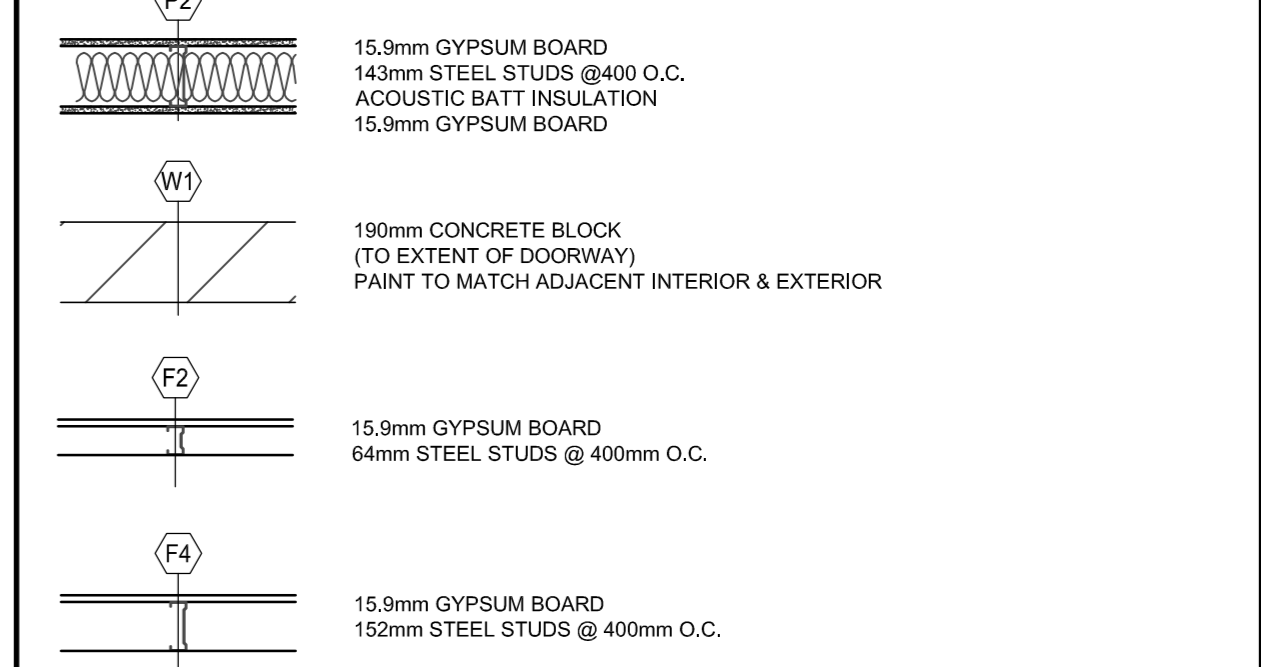
CEILING LEGEND



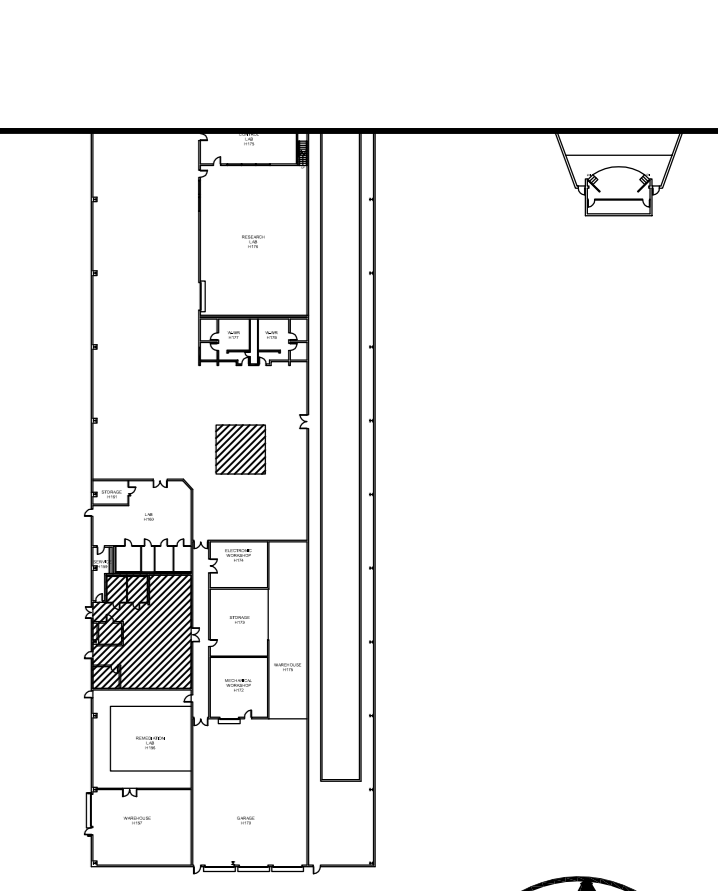
CEILING CONSTRUCTION



WALL & FURRING TYPES



Stamp



KEY PLAN
N.T.S.

revision	Issue	date
1	ISSUED FOR BID	16-11-2011

Do not scale drawings. Verify all dimensions and conditions on site and in the field, notify the Departmental Representative of all discrepancies.

Detail No. - where detail required
drawing no. - where detail edge
drawing no. - where detailed
desin no. - ou detaille

project title
titre du projet

CANADA CENTRE FOR INLAND WATERS
867 LAKESHORE ROAD BURLINGTON, ONTARIO, L7R 4A6
LABS, AHUs, AND HEATING UPGRADE

drawing title
titre du dessin

HYDRAULICS WING H158 DEMOLITION AND DESIGN PLANS

drawn by
dessiné par JJ

designed by
conçu par GC

approved by
approuvé par RN

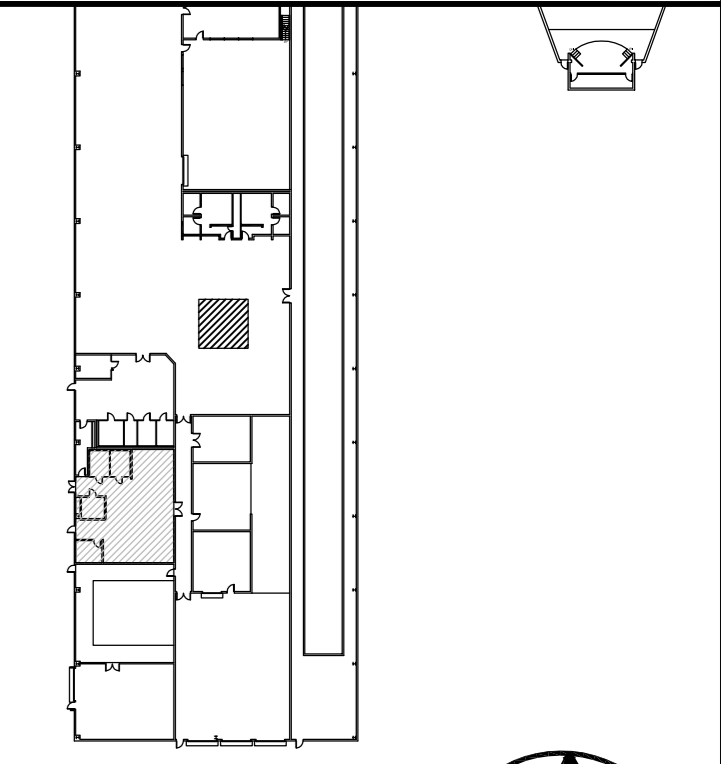
bid
offre AM

project manager
administrateur de projet

project date
date du projet 2015-11-04

project no.
no. du projet R.073578.001
DIALOG NO. 03946T0200

drawing no.
dessiné no. A2.20

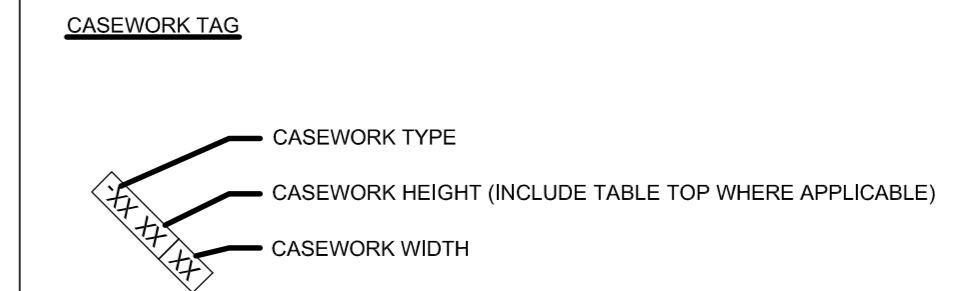


KEY PLAN
N.T.S.

CASEWORK KEYNOTES:

- 1 PROVIDE WIRE MANAGEMENT TRAY WHERE CASEWORK IS TO BE PROVIDED WITH POWER AND/OR DATA.
- 2 PROVIDE TABLE MOUNTING WHERE PLANS OR ELEVATIONS INDICATE GAS TO BE PROVIDED FROM CASEWORK COUNTERTOP.
- 3 INSTALL POWER AND/OR DATA IN CASEWORK PLASTER. CONCEAL WIRING IN PLASTER CHASE.
- 4 INSTALL GAS IN SHELVING PLASTER. CONCEAL CONDUIT/TUBES WITH PLASTER CHASE.
- 5 PROVIDE COVER PLATE AND COUNTERTOP FOR SERVICE CHASE.
- 6 INSTALL REVERSE OSMOSIS WATER FAUCET IN LOCATIONS WHERE INDICATE ON DRAWING. R.O. WATER IS TO BE PROVIDED.
- 7 PROVIDE LED UNDERCABINET-MOUNTED LIGHTING FIXTURES.
- 8 ALL SHELVING TO HAVE RAISED METAL RESTRAINT LP OR METAL RESTRAINT RAIL TO RESTRAIN ITEMS FROM FALLING OVER EDGE OF SHELF.
- 9 VISIBLE ENDS OF CASEWORK TO HAVE COVER PANEL TO MATCH CASEWORK MATERIAL.
- 10 100mm EPOXY BACKSPASH INTEGRAL WITH COUNTERTOP.

CASEWORK LEGEND:



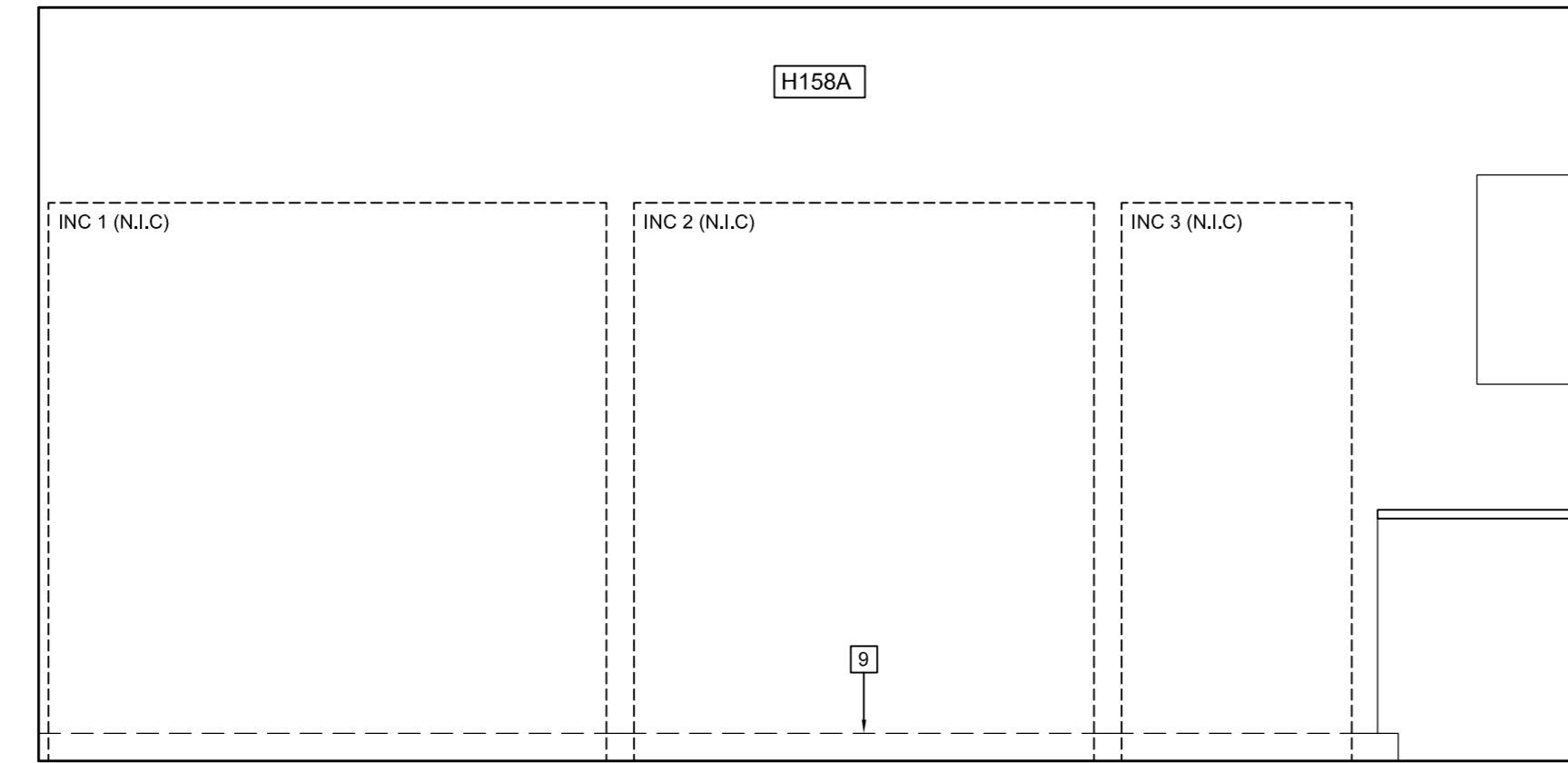
CONSTRUCTION KEY NOTES

- 1 ELECTRICAL RACEWAY - REFER TO ELECTRICAL DRAWINGS
- 2 EPOXY LAY-IN SINK IN EPOXY COUNTERTOP
- 3 100mm WALL BASE INTEGRAL WITH FLOOR MATERIAL

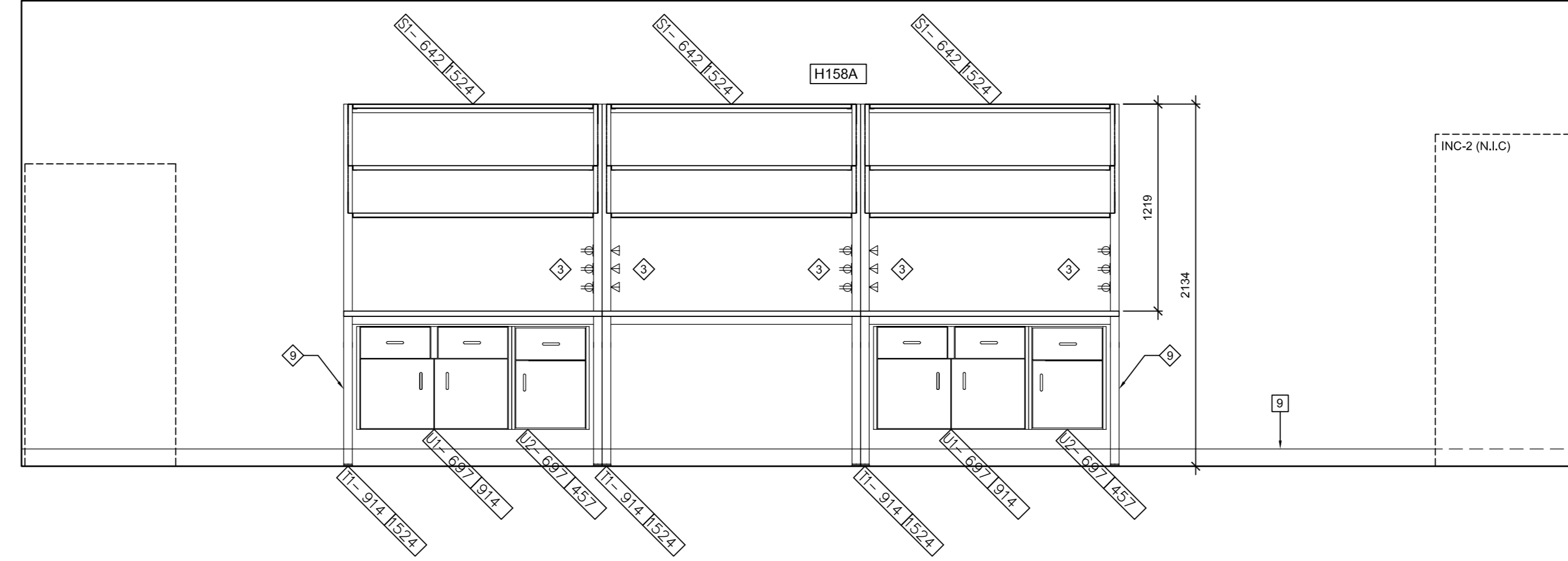
WALL FINISH LEGEND

- PT-1 WHITE PAINT
- PT-2 HIGHLIGHT PAINT COLOUR
- FN-1 GRAPHIC PRINT
- FN-2 300mm PORCELAIN TILE

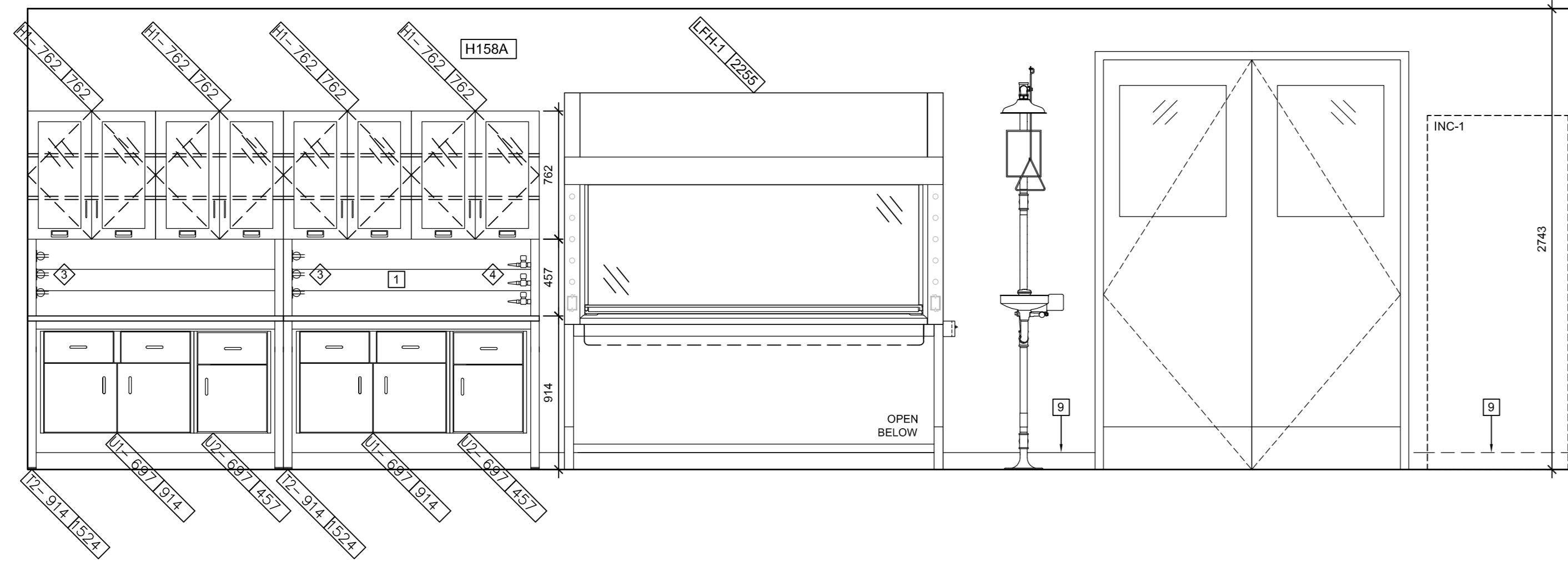
NOTE:
ALL WALL AND CEILING GYPSUM TO BE PAINTED PT-1 UNLESS OTHERWISE NOTED.



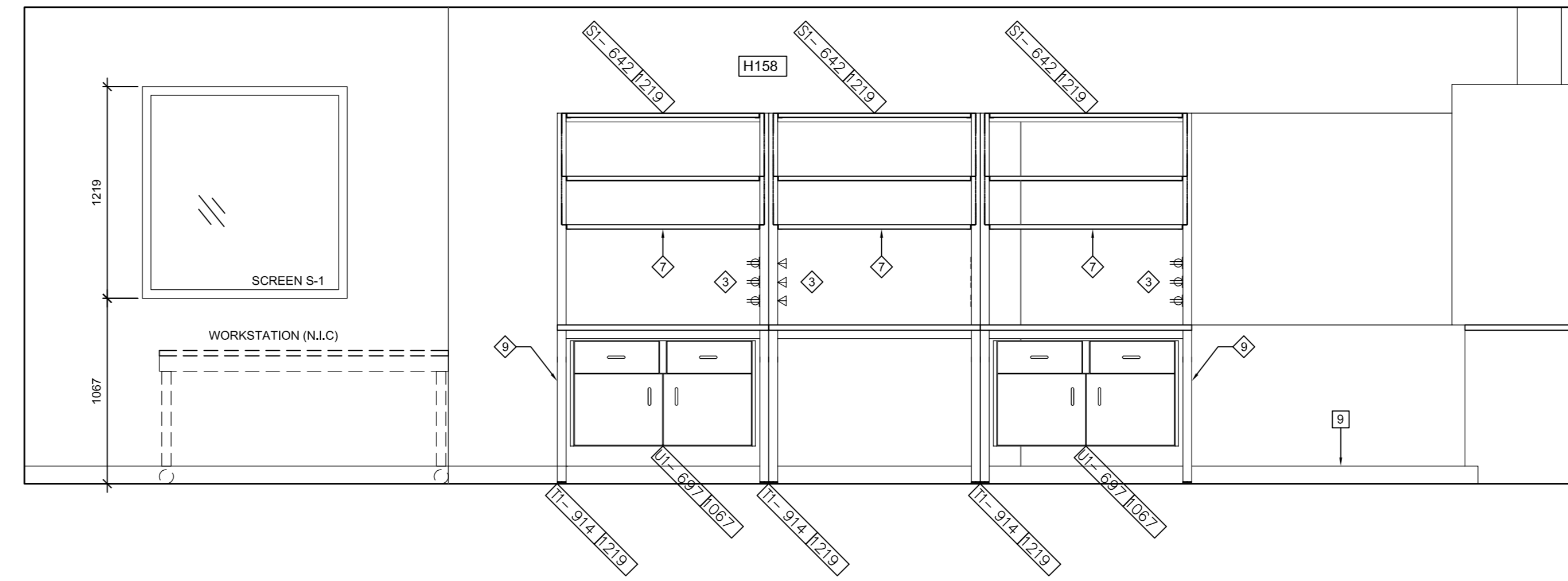
9 H158A - NORTH
A2.21 SCALE: 1:25
0 0.2m 1m 2m



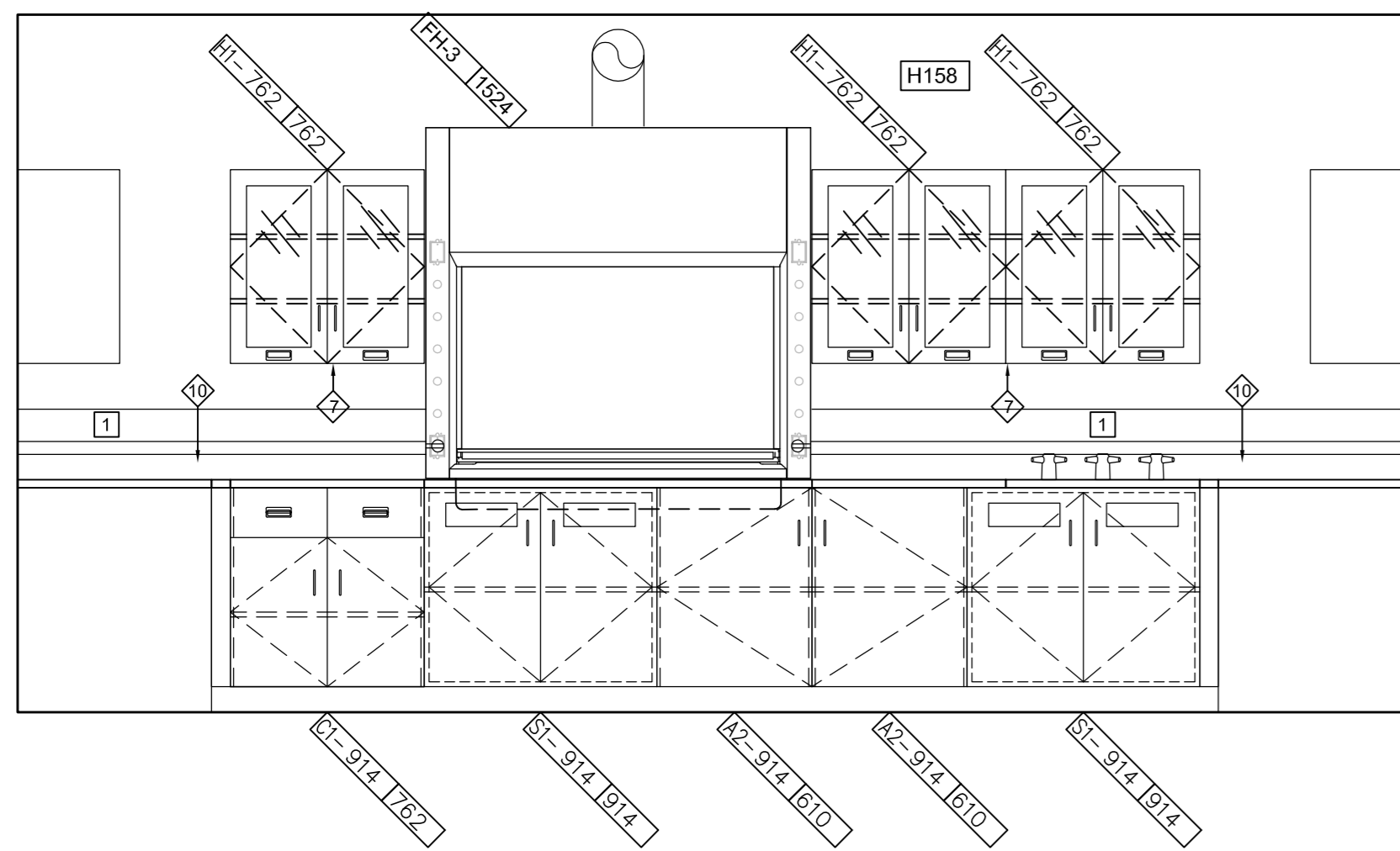
8 H158A/H158F - WEST
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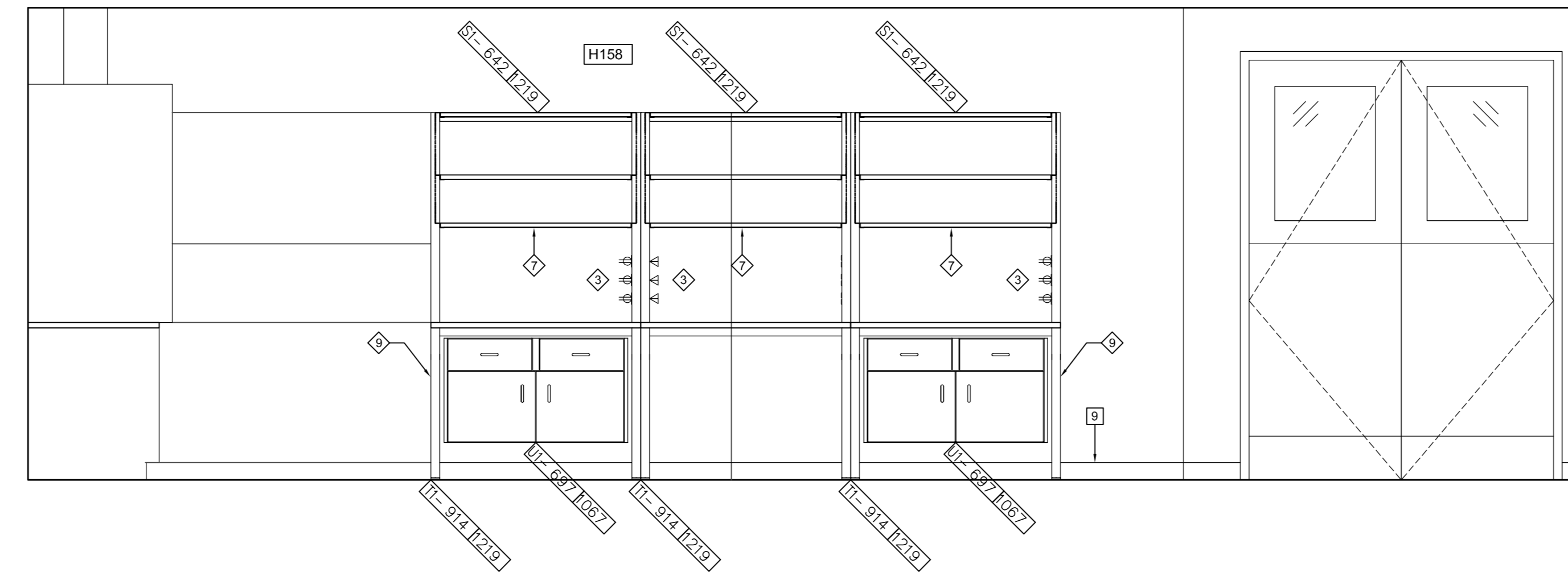
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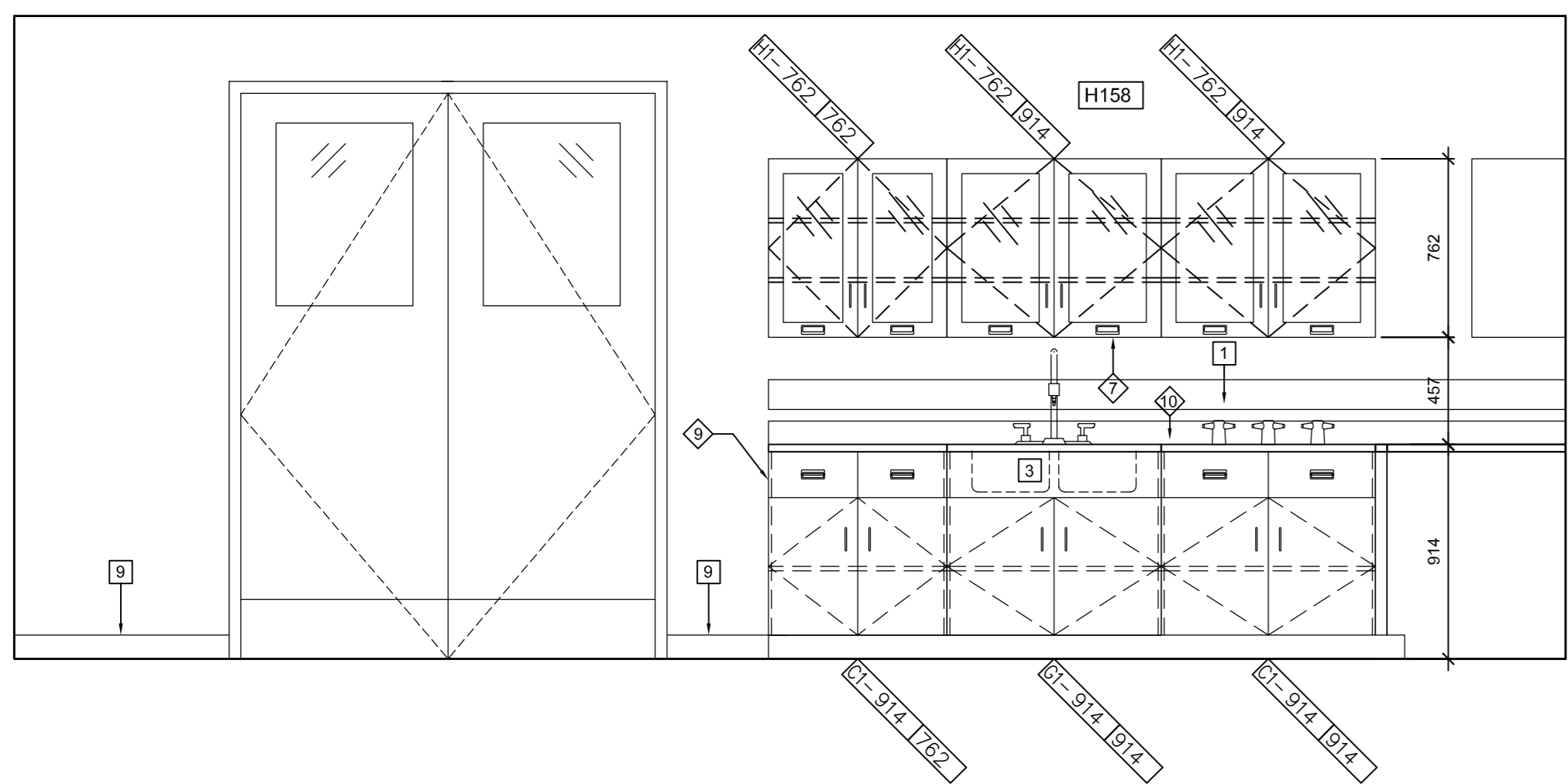
6 H158 - SOUTH
A2.21 SCALE: 1:25
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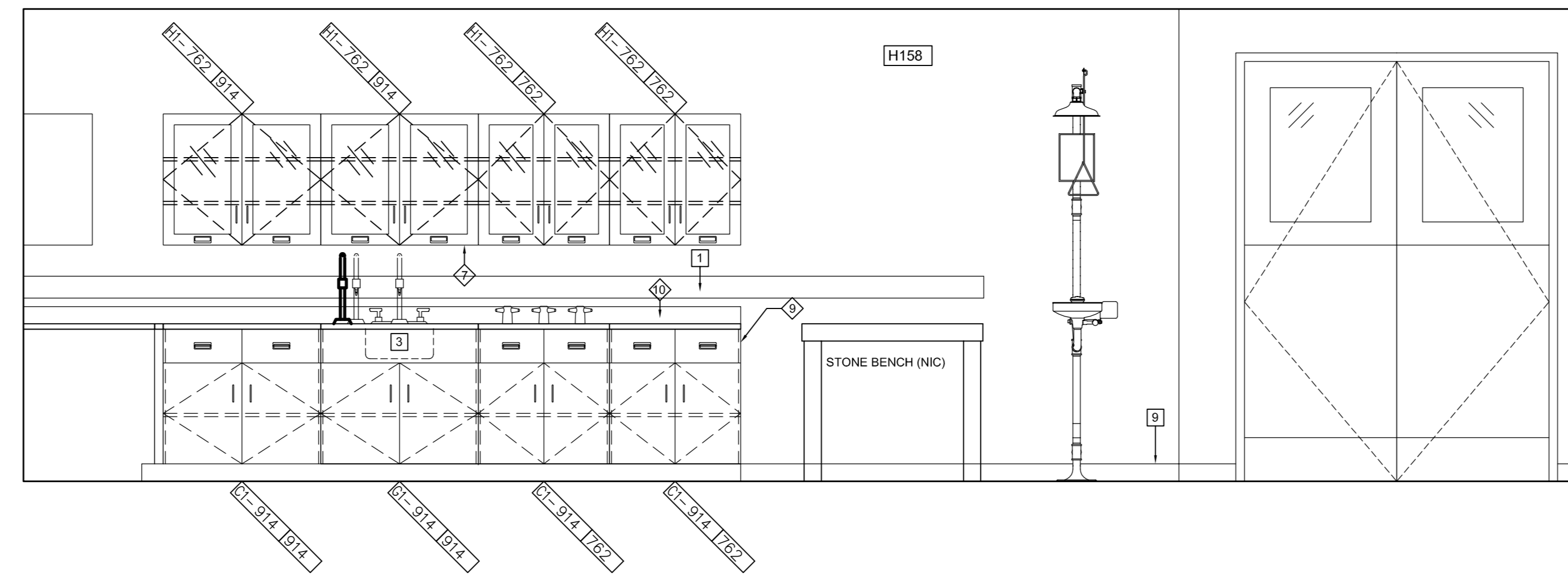
5 H158 - WEST
A2.21 SCALE: 1:25
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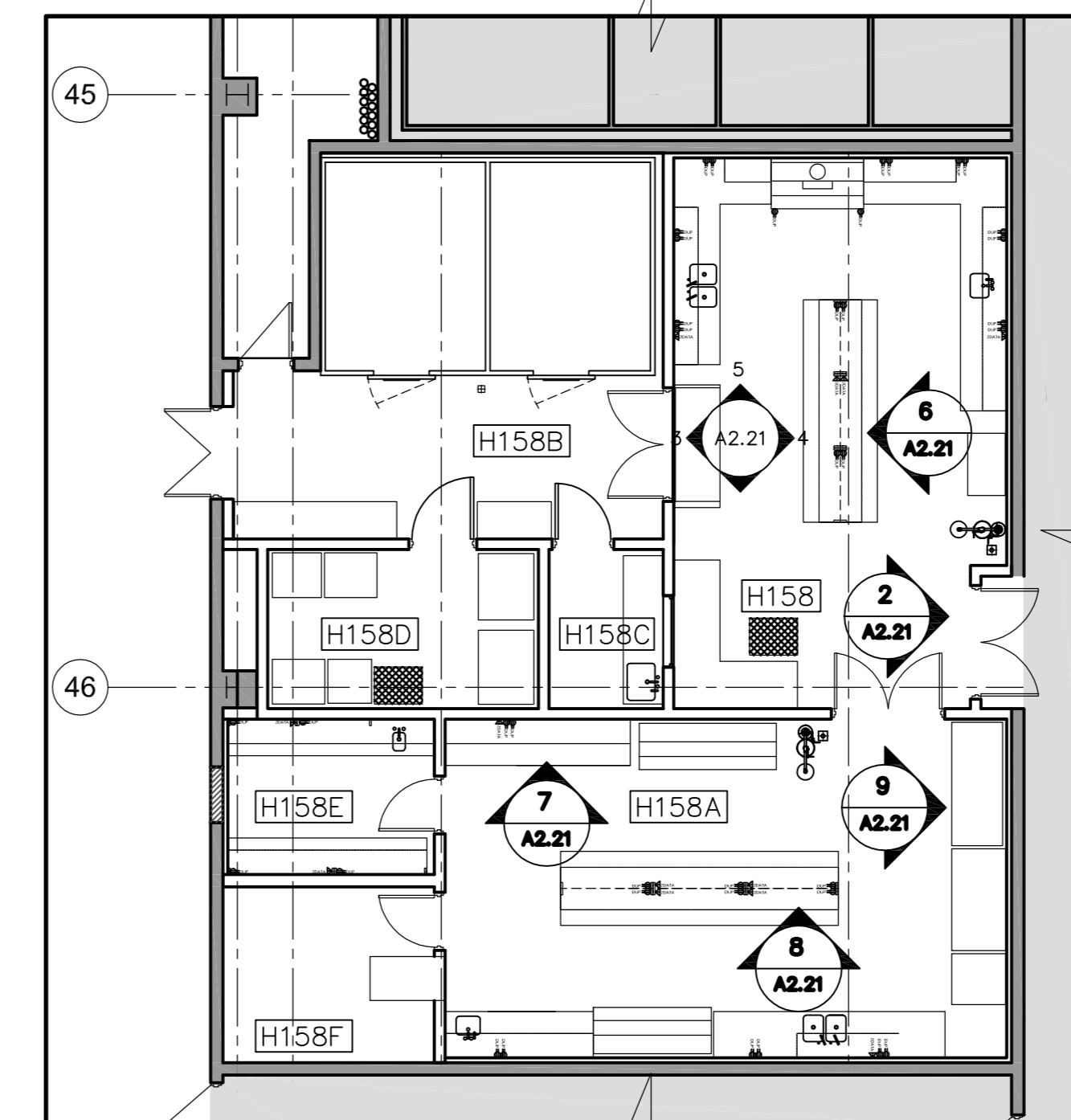
4 H158 - NORTH
A2.21 SCALE: 1:25
0 0.2m 1m 2m



3 H158 - SOUTH
A2.21 SCALE: 1:25
0 0.2m 1m 2m



2 H158 - NORTH
A2.21 SCALE: 1:25
0 0.2m 1m 2m



1 H158 - KEY PLAN
A2.21 SCALE: 1:100
0 1m 5m

revision	issue	date
1	ISSUED FOR BID	04/11/2015

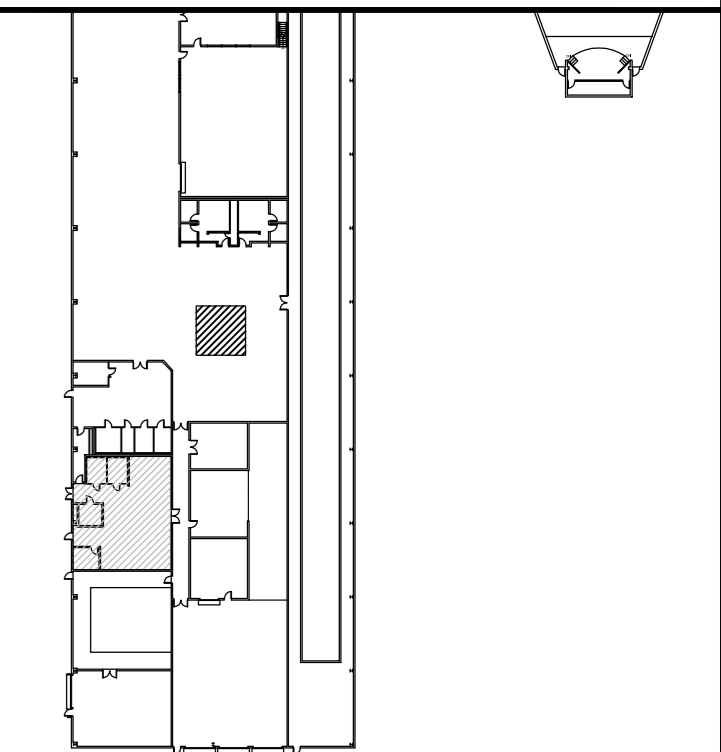
Do not scale drawings. Verify all dimensions and conditions on site and rework/revise, notify the Departmental Representative of all

- A Detail No.
- B No. of detail
- C drawing no. - where detail required
- drawing no. - au detail exigé
- drawing no. - where detailed
- dessin no. - ou détaillé

project title
titre du projet
**CANADA CENTRE FOR
INLAND WATERS**
867 LAKESHORE ROAD BURLINGTON,
ONTARIO, L7R 4A6
LABS, AHUs, AND HEATING
UPGRADE

drawing title
titre du dessin
**HYDRAULICS WING
H158 ELEVATIONS**

drawn by dessiné par	JJ	project manager administrateur de projet
designed by conçu par	GG	
approved by approuvé par	RN	
bid offre	AM	
project date date du projet	2015-11-04	
project no. no. du projet	R.073578.001 DIALOG NO. 09946T0200	
drawing no. dessin no.	A2.21	

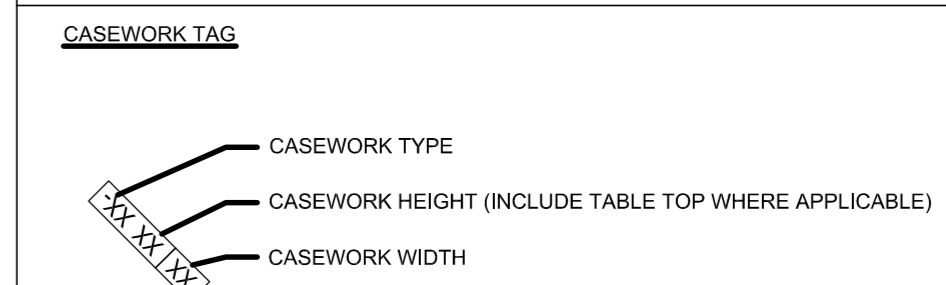


KEY PLAN
N.T.S.

CASEWORK KEYNOTES:

- 1 PROVIDE WIRE MANAGEMENT TRAY WHERE CASEWORK IS TO BE PROVIDED WITH POWER AND/OR DATA.
- 2 PROVIDE TABLE MOUNTMENT WHERE PLANS OR ELEVATIONS INDICATE GAS TO BE PROVIDED FROM CASEWORK COUNTERTOP.
- 3 INSTALL POWER AND/OR DATA IN CASEWORK PLASTER. CONCEAL WIRING IN PLASTER CHASE.
- 4 INSTALL GAS IN SHELVING PLASTER. CONCEAL CONDUIT/TUBES WITH PLASTER CHASE.
- 5 PROVIDE COVER PLATE AND COUNTERTOP FOR SERVICE CHASE.
- 6 INSTALL REVERSE OSMOSIS WATER FAUCET IN LOCATIONS WHERE INDICATE ON DRAWING. R.O. WATER IS TO BE PROVIDED.
- 7 PROVIDE LED UNDERCABINET MOUNTED LIGHTING FIXTURES.
- 8 ALL SHELVING TO HAVE RAISED METAL RESTRAINT LIP OR METAL RESTRAINT RAIL TO RESTRAIN ITEMS FROM FALLING OVER EDGE OF SHELF.
- 9 VISIBLE ENDS OF CASEWORK TO HAVE COVER PANEL TO MATCH CASEWORK MATERIAL.
- 10 100mm EPOXY BACKSPASH INTEGRAL WITH COUNTERTOP.

CASEWORK LEGEND:



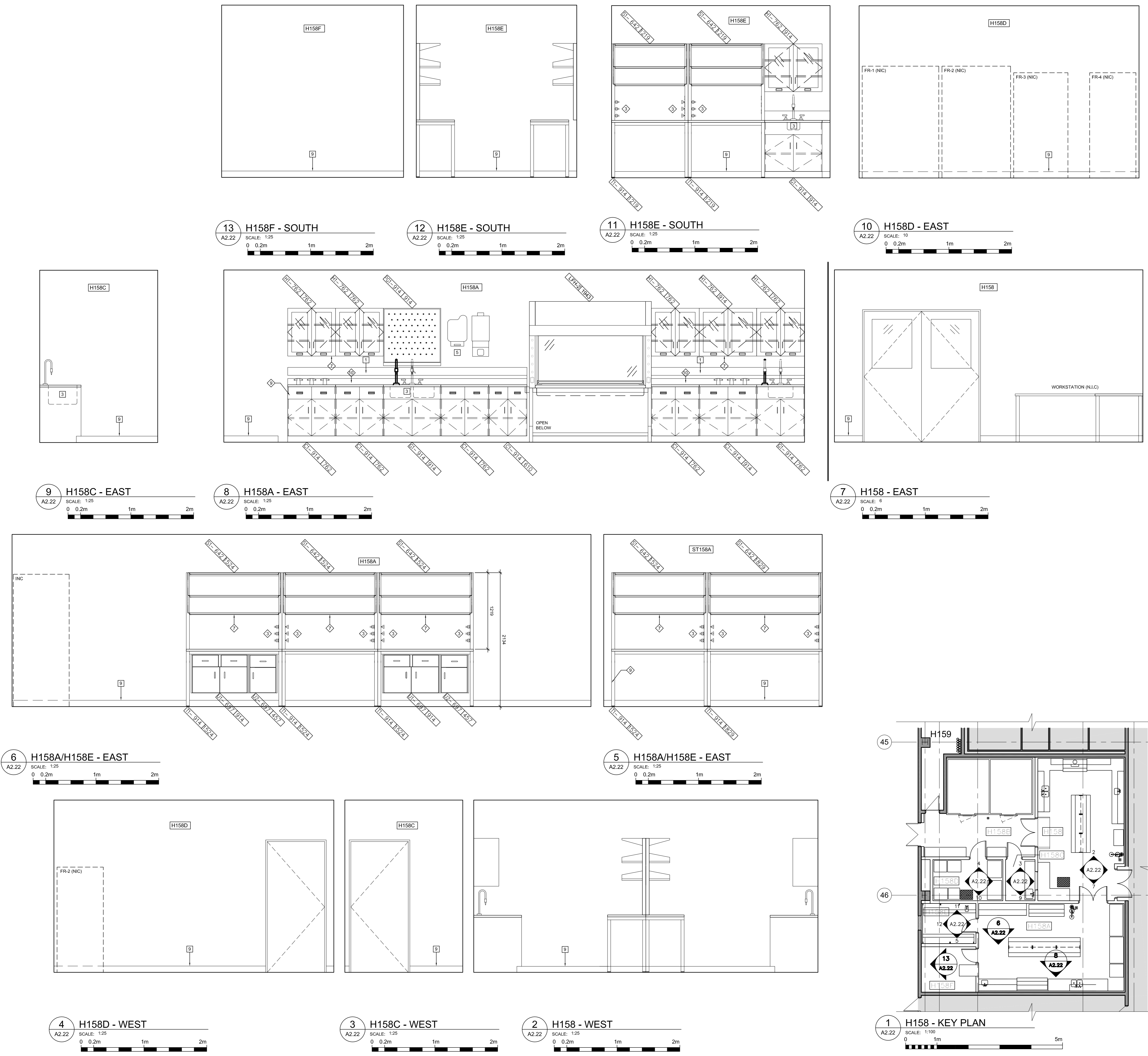
CONSTRUCTION KEY NOTES

- 1 ELECTRICAL RACEWAY - REFER TO ELECTRICAL DRAWINGS
- 3 EPOXY LAY-IN SINK IN EPOXY COUNTERTOP
- 5 MILL-Q WATER PURIFIER
- 9 100mm WALL BASE INTEGRAL WITH FLOOR MATERIAL

WALL FINISH LEGEND

- PT-1 WHITE PAINT
- PT-2 HIGHLIGHT PAINT COLOUR
- FN-1 GRAPHIC PRINT
- FN-2 300mm PORCELAIN TILE

NOTE: ALL WALL AND CEILING GYPSUM TO BE PAINTED PT-1 UNLESS OTHERWISE NOTED.



revision	issue	date
1	ISSUED FOR BID	04/11/2015

Do not scale drawings. Verify all dimensions and conditions on site and accordingly notify the Departmental Representative of all variations.

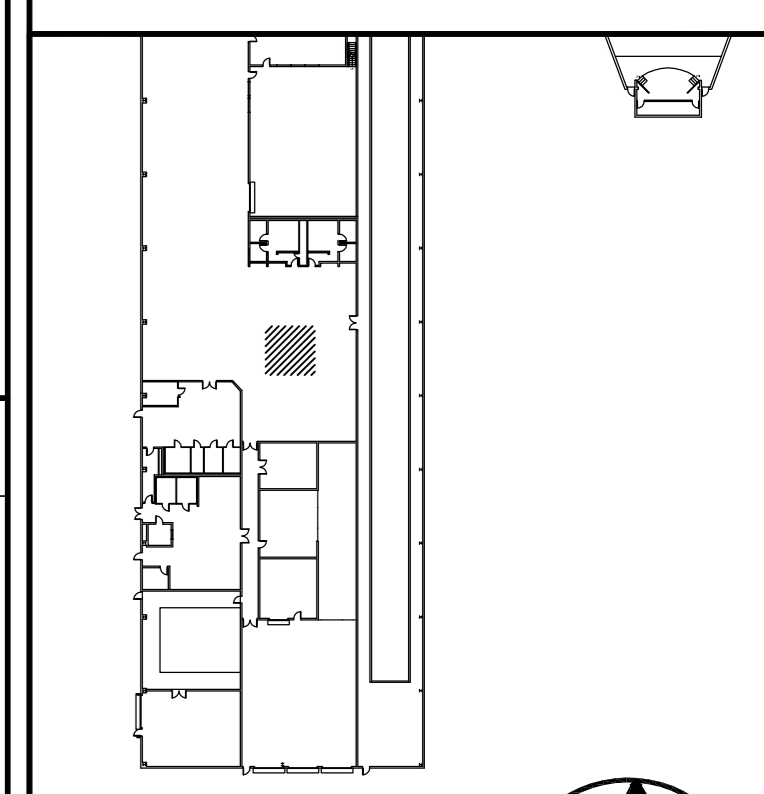
Detail No.	No. of detail	drawing no. - where detail required	design no. - ou detail exigé
A			
B			
C			

project title
titre du projet

**CANADA CENTRE FOR
INLAND WATERS**
867 LAKESHORE ROAD BURLINGTON,
ONTARIO, L7R 4A6
LABS, AHUs, AND HEATING
UPGRADE

drawing title
titre du dessin
**HYDRAULICS WING
H158 ELEVATIONS**

drawn by dessiné par	JJ
designed by conçu par	GC
approved by approuvé par	RN
bid offre	AM
project manager administrateur de projet	
project date date du projet	2015-11-04
project no. no. du projet	R.073578.001 DIALOG NO. 09946T0200
drawing no. dessiné no.	A2.22



KEY PLAN
N.T.S.

PLAN LEGEND

- INDICATES ITEMS TO BE DEMOLISHED, UNLESS NOTED TO BE REMOVED
- EMERGENCY SHOWER WITH INTEGRATED EYE WASH STATION
- ROOM 500: NEW ROOM NAME AND NUMBER
- CR: CARD READER REFER TO ELECTRICAL DRAWING
- EX FD: EXISTING FLOOR DRAIN
- FH: FUME HOOD (REFER TO SCHEDULE)
- NEW DOOR NUMBER
- EXISTING DOOR
- DOOR STRIKE REFER TO ELECTRICAL DRAWING
- FLOOR DRAIN
- ROOF DRAIN

WALL & FURRING TYPES

- 15.8mm TYPE 'X' FIRE RATED GYPSUM BOARD
AIR VAPOUR BARRIER
39mm STEEL STUDS @ 400mm O.C.
ACOUSTIC BATT INSULATION
15.8mm TYPE 'X' FIRE RATED GYPSUM BOARD (2 HRS FIRE RATING)

1. UNLESS OTHERWISE NOTED, ALL INTERIOR PARTITIONS TO BE TO UNDERSIDE OF DECK STRUCTURE
2. PROVIDE 19mm PLYWOOD SHEATHING OR STRAPPING IN WALL AT LOCATIONS WHERE CASEWORK IS TO BE INSTALLED. COORDINATE WITH CASEWORK TRADE

CEILING LEGEND

- CEILING TYPE
- CEILING HEIGHT
- 610x610mm INSET LIGHTING FIXTURE (A2) (REFER TO ELECTRICAL DRAWINGS)
- 610x610mm INSET LIGHTING FIXTURE (A3) (REFER TO ELECTRICAL DRAWINGS)
- 610x1220mm RECESSED LIGHTING FIXTURE (A3) (REFER TO ELECTRICAL DRAWINGS)
- EXIT SIGN (REFER TO ELECTRICAL DRAWINGS)
- SUPPLY AIR DIFFUSER (REFER TO MECHANICAL DRAWINGS)
- GENERAL EXHAUST (REFER TO MECHANICAL DRAWINGS)

CEILING CONSTRUCTION

- C1: 610x610mm LAY-IN ACOUSTIC CEILING TILE DESIGN W/ DOUBLE TEC LOCATION AND METAL PAN ENDS AT LIGHT FIXTURES.
- C2: 12.7mm GYPSUM BOARD AIR VAPOUR BARRIER STEEL STUD FRAMING TO SUIT BATT INSULATION
- C3: (DESIGNED TO ULC W42) 15.8mm TYPE 'X' GYPSUM BOARD (2 LAYERS) 64mm C-H STUDS @ 600mm O.C. 25mm GYPSUM LINER PANEL 15.8mm TYPE 'X' GYPSUM BOARD METAL SUSPENSION SYSTEM
- C4: 12.7mm GYPSUM STEEL STUD FRAMING TO SUIT
- US: NO CEILING PAINT ON STRUCTURE AND SERVICES.

FLOOR FINISHES

- F1: SEAMLESS VINYL FLOOR W/ INTEGRAL WALL BASE
- F2: EPOXY FLOOR W/ INTEGRAL WALL BASE
- F3: CARPET TILE WALL BASE

WALL FINISH LEGEND

- PT-1: WHITE PAINT
- PT-2: HIGHLIGHT PAINT COLOUR
- FN-1: GRAPHIC PRINT
- FN-2: 300mm PORCELAIN TILE

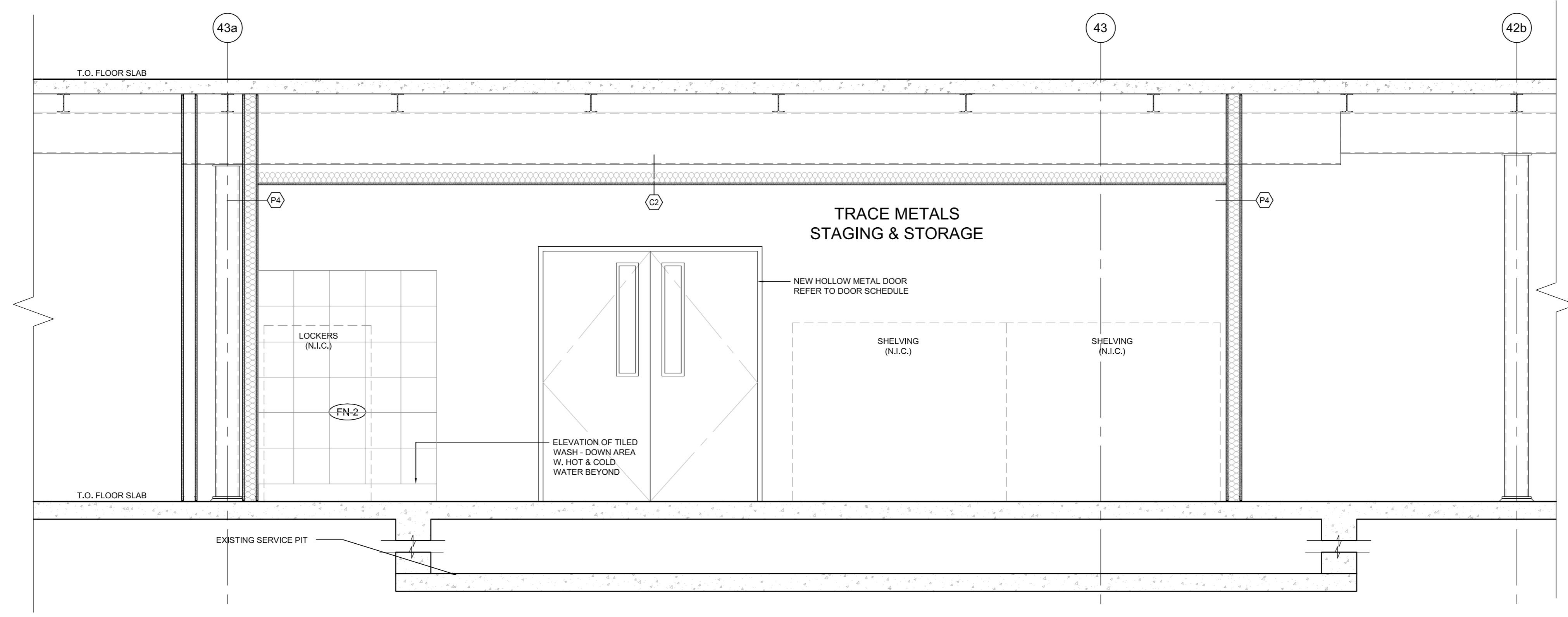
NOTE: ALL WALL AND CEILING GYPSUM TO BE PAINTED PT-1 UNLESS OTHERWISE NOTED.

DEMOLITION KEY NOTES

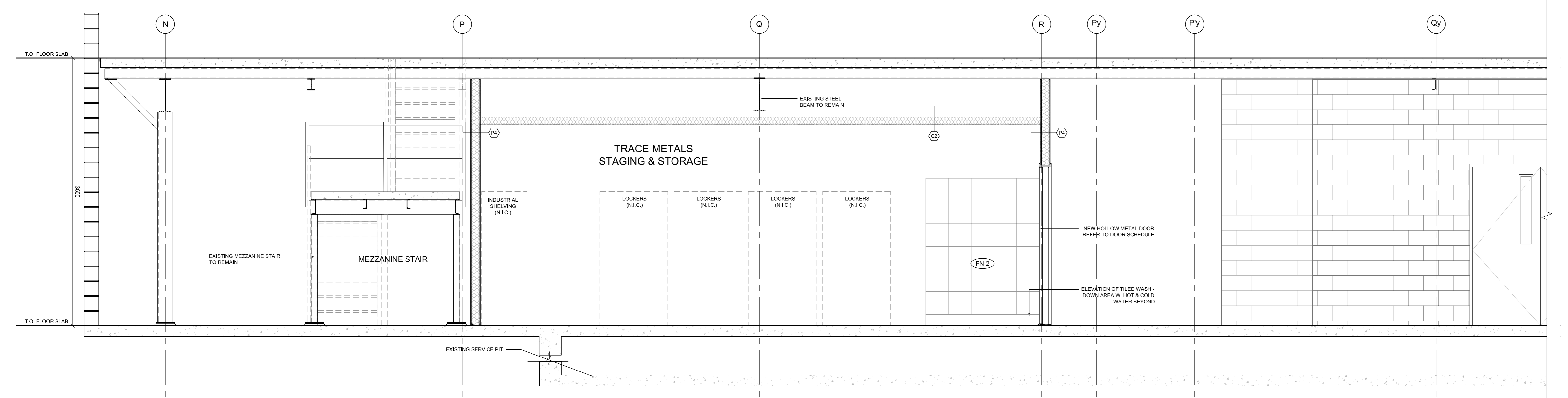
- (C2) EXISTING STAIR TO REMAIN

CONSTRUCTION KEY NOTES

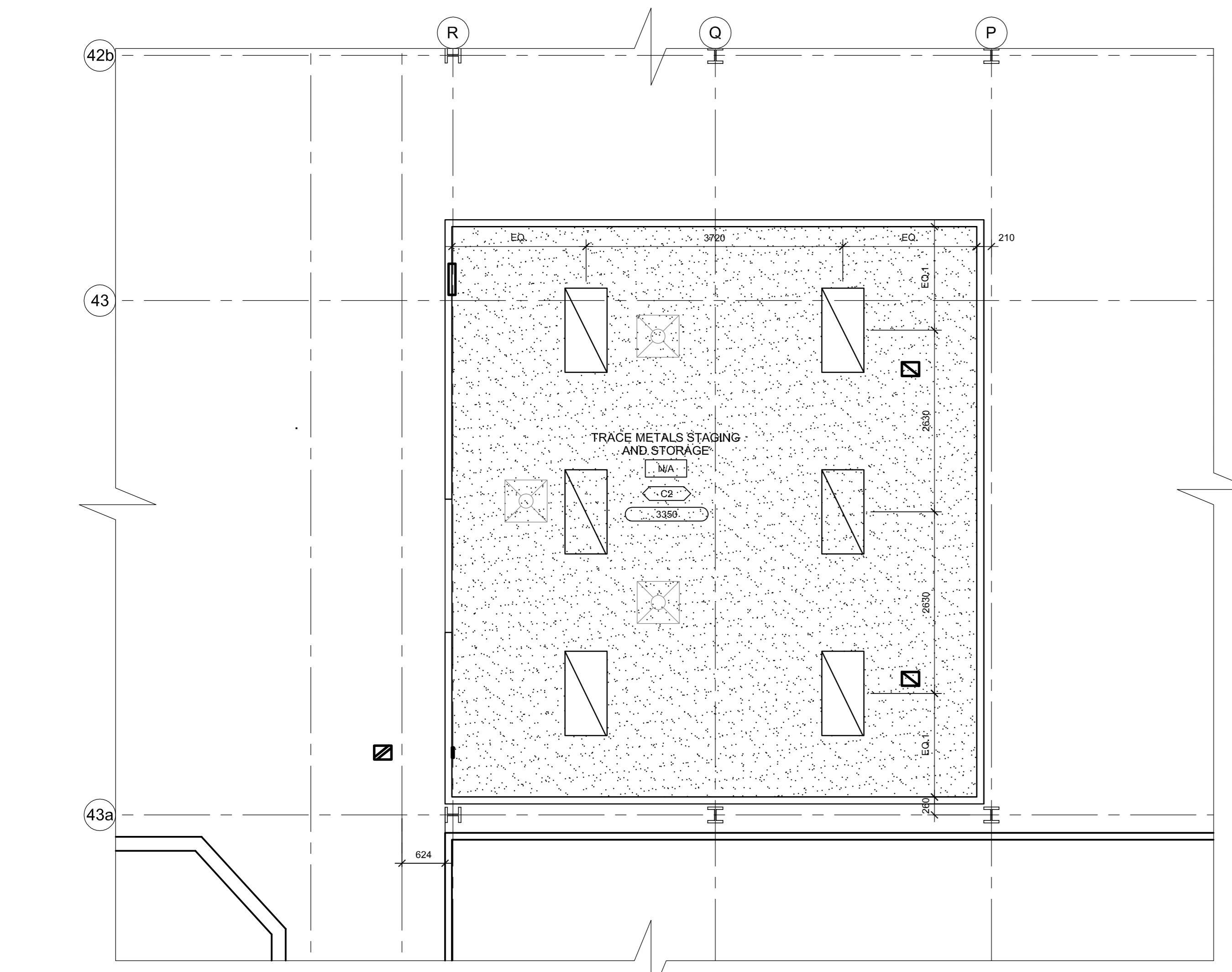
- 2: EXISTING HATCH TO REMAIN
- 11: TILED WASH-DOWN AREA W/ HOT & COLD WATER AND FLOOR DRAIN
- 24: FILL IN EXISTING FLOOR OPENING
- 38: NEW 914 x 914mm SLAB OPENING W/ METAL HATCH & ACCESS LADDER BELOW. REFER TO STRUCTURAL DRAWINGS.



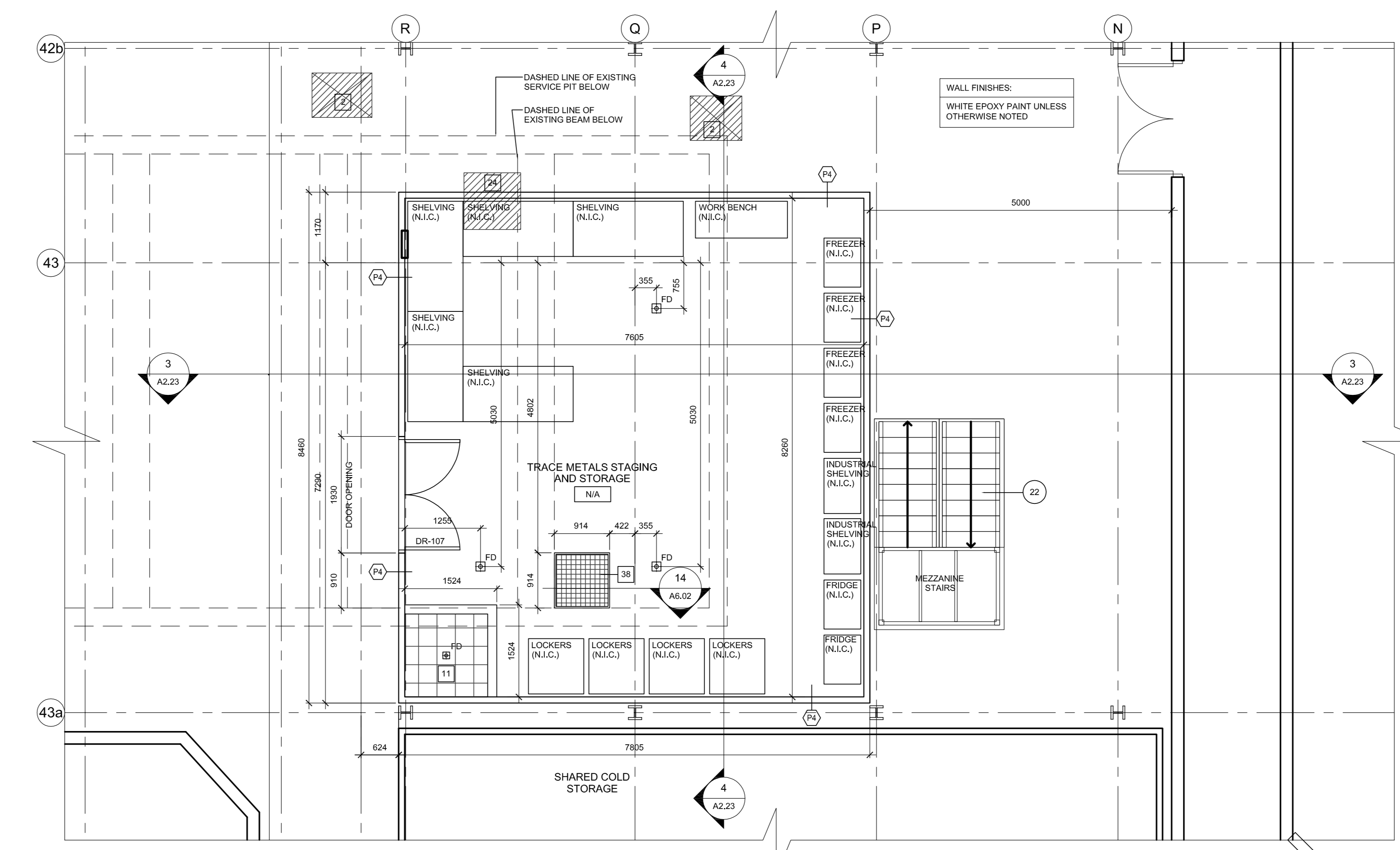
4 SECTION - TRACE METALS STAGING AND STORAGE ROOM
SCALE: 1:25
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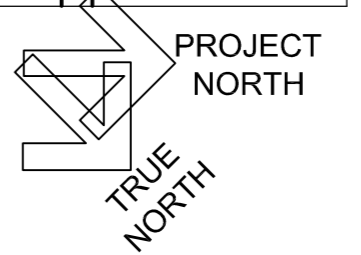
3 SECTION - TRACE METALS STAGING AND STORAGE ROOM
SCALE: 1:25
0 0.2m 1m 2m



2 TRACE METALS STAGING AND STORAGE REFLECTED CEILING PLAN
SCALE: 1:50
0 1m 5m



1 TRACE METALS STAGING AND STORAGE ROOM PLAN
SCALE: 1:50
0 1m 5m



revision	Issue	date
1	ISSUED FOR BID	04/11/2015

Detail No.	No. of detail
A	
B	
C	

project title
titre du projet
CANADA CENTRE FOR INLAND WATERS
867 LAKESHORE ROAD BURLINGTON, ONTARIO, L7R 4A6
LABS, AHUs, AND HEATING UPGRADE

drawing title
titre du dessin
HYDRAULICS WING TRACE METALS STAGING AND STORAGE ROOM PLAN & SECTION

drawn by
dessiné par: JC

designed by
conçu par: GC

approved by
approuvé par: RN

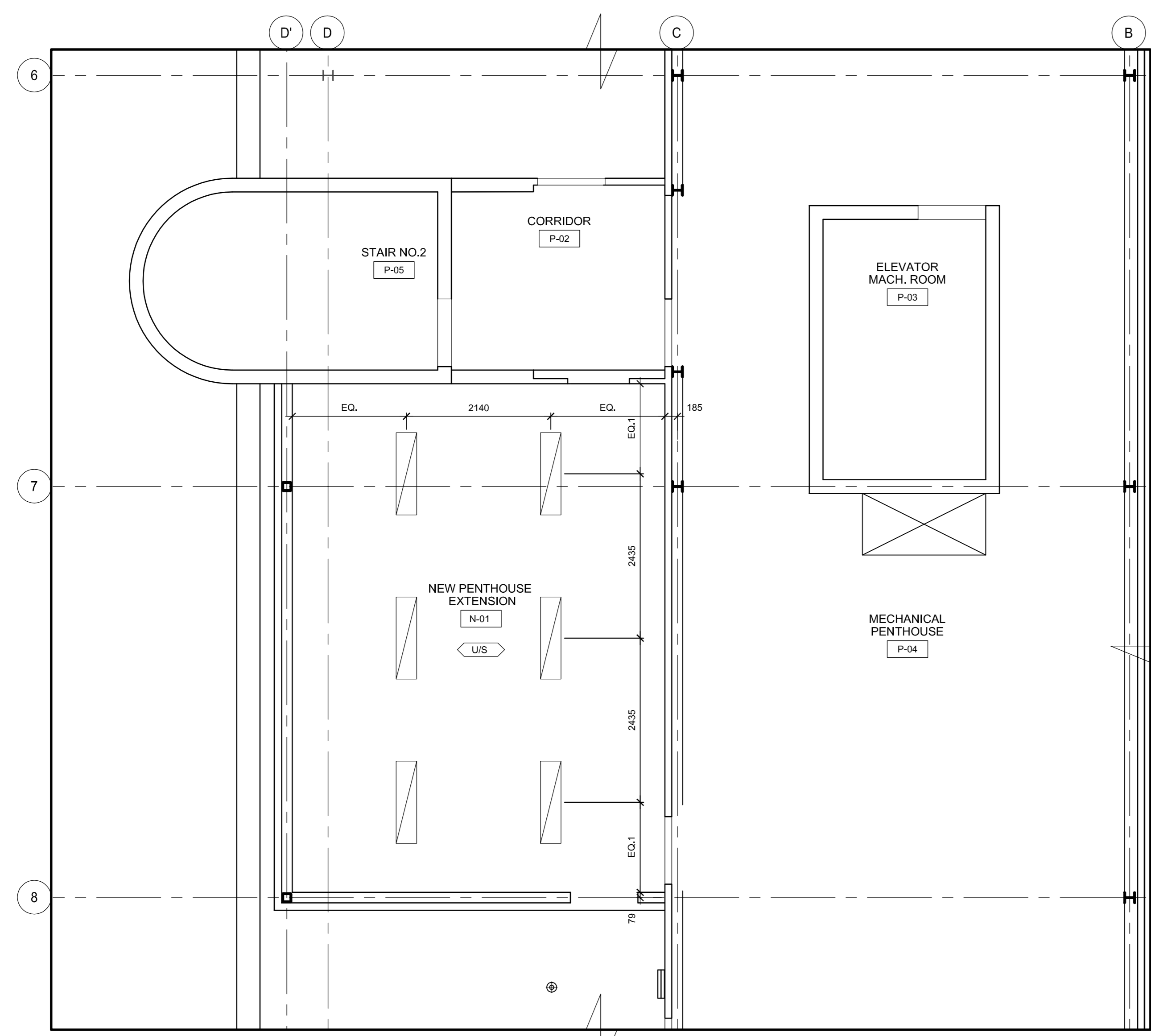
bid
offre: AM

project manager
administrateur de projet

project date
date du projet: 2015-11-04

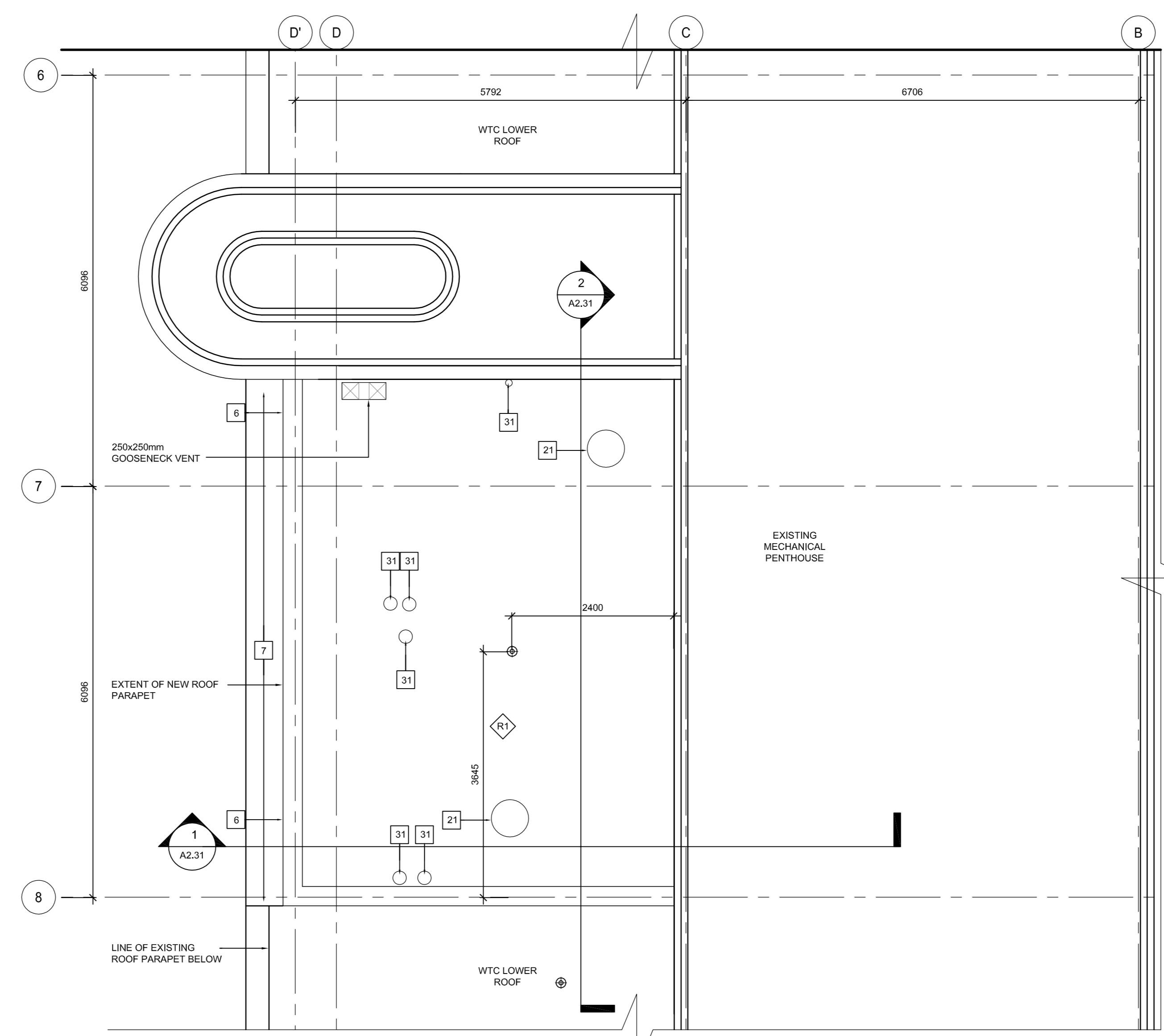
project no.
no. du projet: R.073578.001
DIALOG NO. 09946T0200

drawing no.
dessiné no.: A2.23



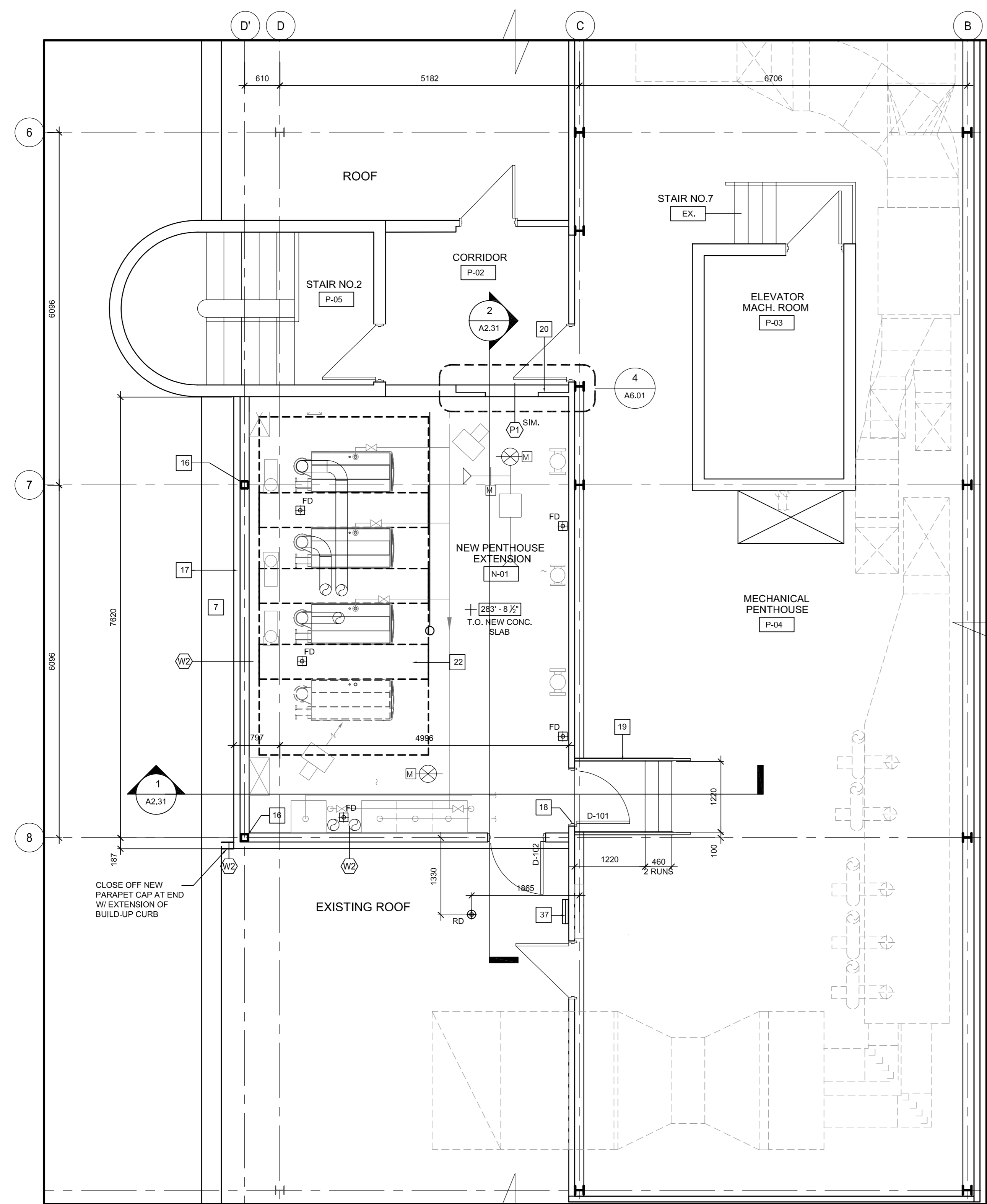
4 WTC PENTHOUSE REFLECTED CEILING PLAN

A2.30 SCALE: 1:50
0 1m 5m



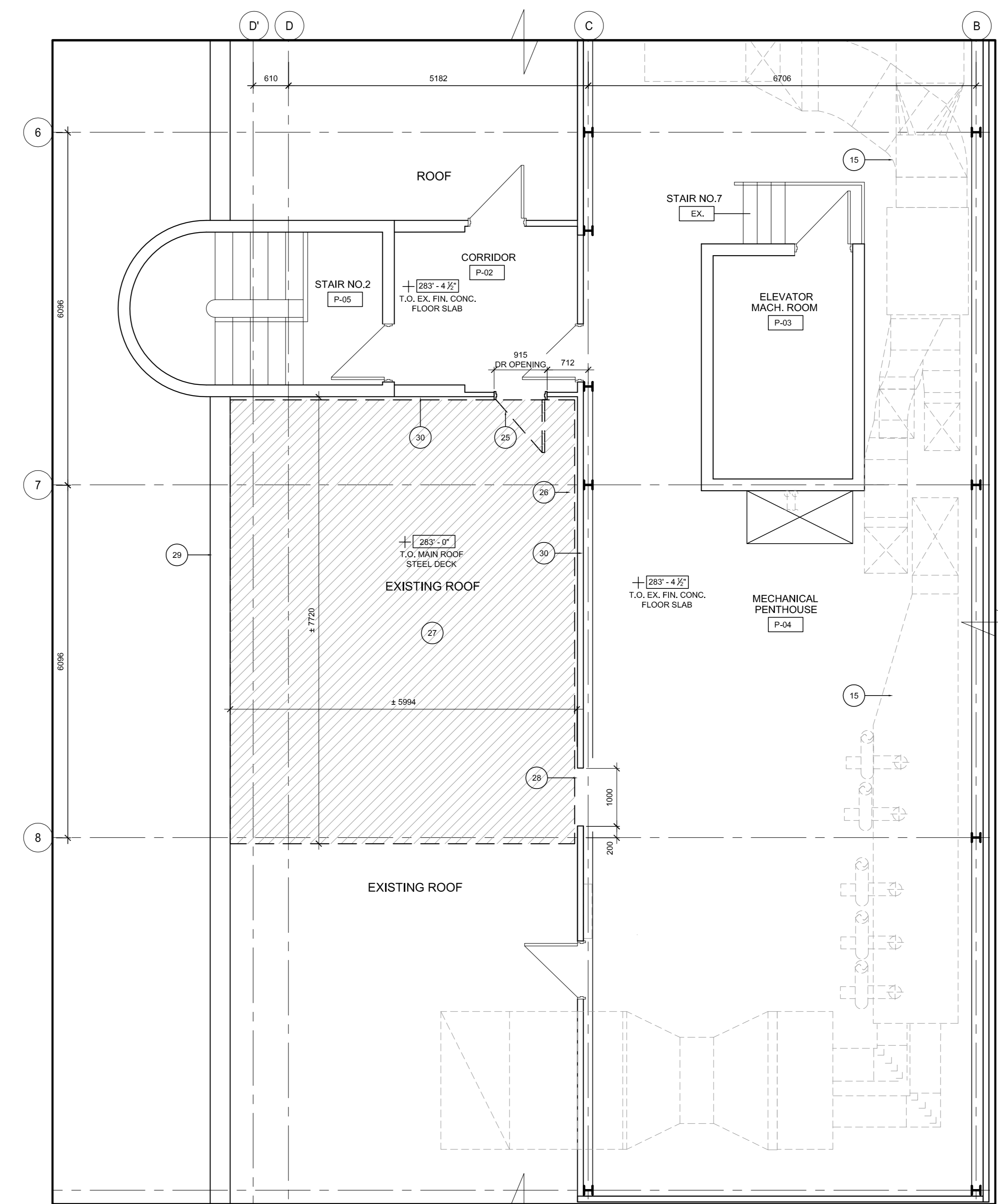
3 WTC PENTHOUSE DESIGN PLAN

A2.30 SCALE: 1:50
0 1m 5m



2 WTC PENTHOUSE DESIGN PLAN

A2.30 SCALE: 1:50
0 1m 5m



1 WTC PENTHOUSE DEMOLITION PLAN

A2.30 SCALE: 1:50
0 1m 5m

PLAN LEGEND

- INDICATES ITEMS TO BE DEMOLISHED, UNLESS NOTED TO BE REMOVED
- EMERGENCY SHOWER WITH INTEGRATED EYE WASH STATION
- NEW ROOM NAME AND NUMBER
- CARD READER REFER TO ELECTRICAL DRAWING
- EXISTING FLOOR DRAIN
- FUME HOOD (REFER TO SCHEDULE)
- NEW DOOR NUMBER
- NEW NUMBER EXISTING DOOR
- DOOR STRIKE REFER TO ELECTRICAL DRAWING
- FLOOR DRAIN
- ROOF DRAIN

CEILING LEGEND

- CEILING TYPE
- CEILING HEIGHT
- 610x610mm INSET LIGHTING FIXTURE (A2) (REFER TO ELECTRICAL DRAWINGS)
- 610x610mm INSET LIGHTING FIXTURE (A3) (REFER TO ELECTRICAL DRAWINGS)
- 610x1220mm RECESSED LIGHTING FIXTURE (A3) (REFER TO ELECTRICAL DRAWINGS)
- EXIT SIGN (REFER TO ELECTRICAL DRAWINGS)
- SUPPLY AIR DIFFUSER (REFER TO MECHANICAL DRAWINGS)
- GENERAL EXHAUST (REFER TO MECHANICAL DRAWINGS)

WALL & FURRING TYPES

- 75mm INSULATED METAL PANEL
- 15.9mm GYPSUM BOARD 90mm STEEL STUDS @900 O.C. ACOUSTIC BATT INSULATION 15mm GYPSUM BOARD

ROOF CONSTRUCTION

- TWO PLY MODIFIED BITUMEN ROOF MEMBRANE W/ CAP SHEET WITH GRANULAR FINISH FULLY ADHERED TO TORCH-GRADE FIBRE BOARD
- 150mm (RSI 4.9) POLY ISO INSULATION IN TWO LAYERS W/ ALL JOINTS STAGGERED
- VARIOUS REBAR
- STEEL DECKING ON STRUCTURAL STEEL FRAMING SLOPED TO ROOF DRAIN AS NOTED

FLOOR FINISHES

- SEAMLESS VINYL FLOOR W/ INTEGRAL WALL BASE
- EPOXY FLOOR W/ INTEGRAL WALL BASE
- CARPET TILE WALL BASE

WALL FINISH LEGEND

- WHITE PAINT
- HIGHLIGHT PAINT COLOUR
- GRAPHIC PRINT
- 300mm PORCELAIN TILE

CEILING CONSTRUCTION

- 610x610mm LAY-IN ACOUSTIC CEILING TILE DESIGN W/ DOUBLE TEE LOCATION AND METAL PAN ENDS AT LIGHT FIXTURES.
- 12.7mm GYPSUM BOARD AIR VAPOUR BARRIER STEEL STUD FRAMING TO SUIT BATT INSULATION
- 15.9mm TYPE X GYPSUM BOARD (DESIGNED TO ULC W42)
- 15.9mm TYPE X GYPSUM BOARD (2 LAYERS) 64mm H STEEL STUDS @900 O.C. 25.4mm GYPSUM LINER PANEL 15.9mm TYPE X GYPSUM BOARD METAL SUSPENSION SYSTEM
- 12.7mm GYPSUM STEEL STUD FRAMING TO SUIT

DEMOLITION KEY NOTES

- EXISTING MECHANICAL UNIT TO REMAIN REFER TO MECHANICAL DRAWINGS FOR INFORMATION
- DEMOLISH EXISTING DOOR AND FRAME, PATCH AND MAKE GOOD TO SUIT NEW WALL
- RELOCATE EXISTING ROOF ACCESS LADDER AS INDICATED
- DEMOLISH EXISTING ROOF INSULATION, MEMBRANE, & ROOF DRAIN
- DEMOLISH EXISTING WALL PARTITION, PATCH AND MAKE GOOD TO SUIT NEW DOOR
- EXISTING PARAPET TO REMAIN, NEW PARAPET CAP AS INDICATED IN A2.30
- EXISTING PENTHOUSE EXTERIOR WALL TO REMAIN

CONSTRUCTION KEY NOTES

- ELECTRICAL RACEWAY - REFER TO ELECTRICAL DRAWINGS
- NEW LOUVRE, REFER TO SIA6.01
- NEW PARAPET CAP, REFER TO SIA6.01 & 2A2.30 FOR EXTERIOR.
- NEW STEEL HSS COLUMN REFER TO STRUCTURAL DRAWING
- NEW INSULATED METAL CLADDING EXTERIOR WALL
- NEW HOLLOW METAL DOOR AND FRAME
- NEW STEEL STAIR WITH GALV. STEEL RAILING REFER TO A6.01 FOR DETAIL
- INSTALL NEW FURRED OUT WALL PARTITION
- NEW GRAVITY VENTILATOR W/ CURB, REFER TO MECHANICAL.
- NEW MECHANICAL UNITS REFER TO MECHANICAL DRAWINGS FOR INFORMATION
- NEW VENT, REFER TO MECHANICAL DRAWINGS
- RELOCATED ROOF ACCESS LADDER

NOTE:
ALL WALL AND CEILING GYPSUM TO BE PAINTED PT-1 UNLESS OTHERWISE NOTED.

revision	issue	date
1	ISSUED FOR BID	04/11/2015

Do not scale drawings. Verify all dimensions and conditions on site and coordinate with the Department Representative of all trades.

DETAIL NO. OF DETAIL

- A - where detail required
- B - where detail required
- C - where detail required

project title
titre du projet

CANADA CENTRE FOR INLAND WATERS
867 LAKESHORE ROAD BURLINGTON, ONTARIO, L7R 4A6
LABS, AHU, AND HEATING UPGRADE

drawing title
titre du dessin

WTC PENTHOUSE DESIGN EXTENSION DEMOLITION, DESIGN PLANS & SECTIONS

drawn by
dessiné par: JC

designed by
conçu par: GC

approved by
approuvé par: RN

bid
offre: AM

project manager
administrateur de projet

project date
date du projet: 2015-11-04

project no.
no. du projet: R.073578.001
DIALOG NO. 09946T0200

drawing no.
dessiné no.: A2.30

Public Works and Government Services Canada
Travaux publics et Services gouvernementaux Canada

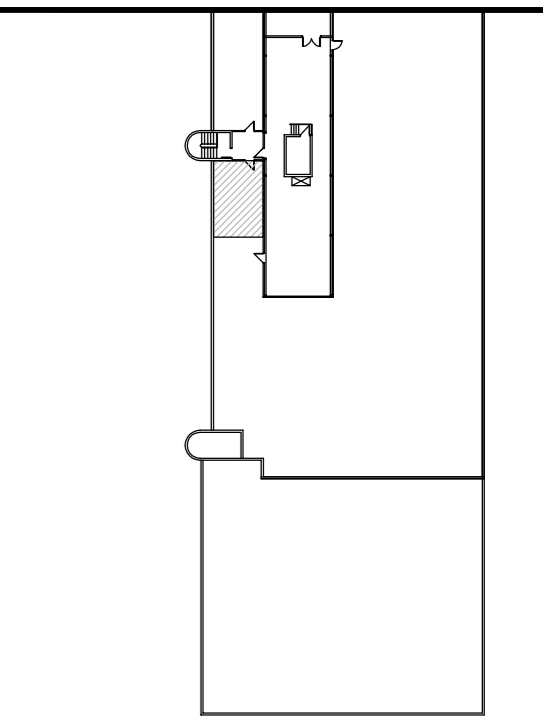
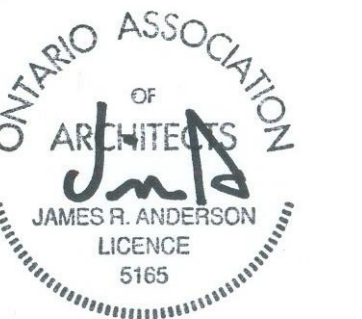
DIALOG

Stamp

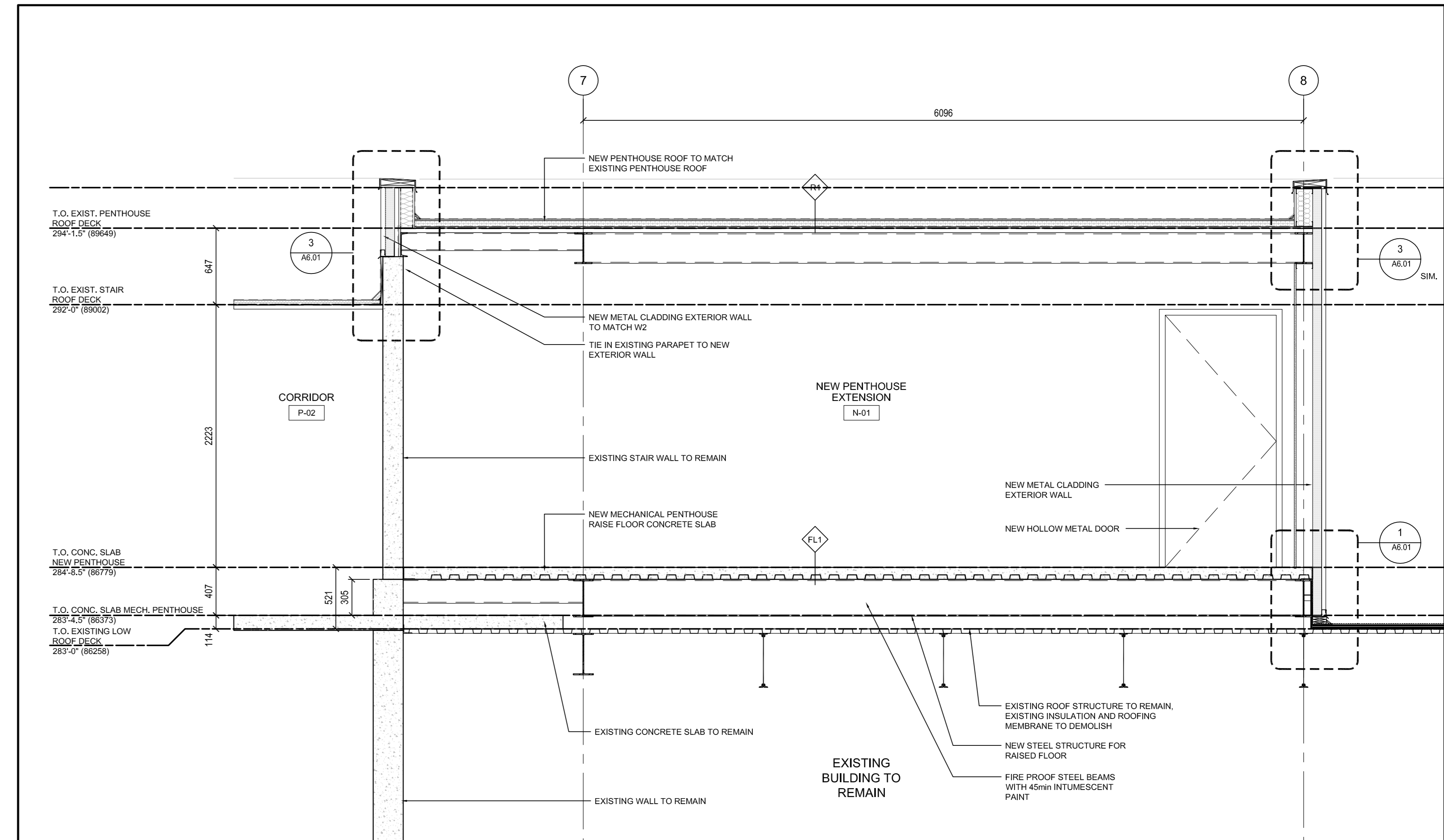
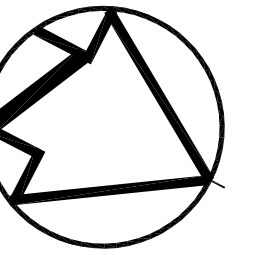
ONTARIO ASSOCIATION OF ARCHITECTS
JAMES R. ANDERSON
LEEDS
S165

KEY PLAN
N.T.S.

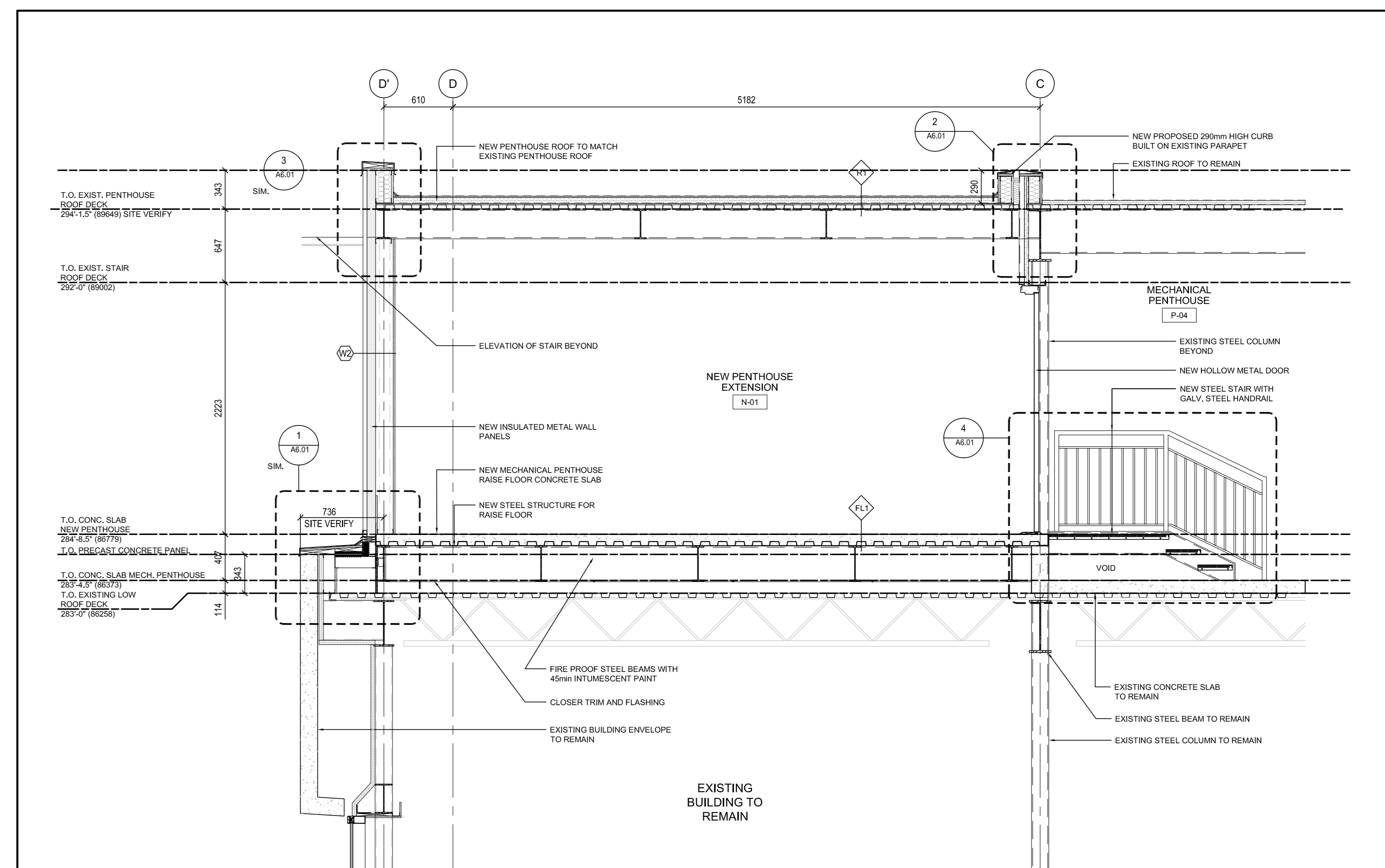
Stamp



KEY PLAN
N.T.S.



2 WTC PENTHOUSE SECTION
SCALE: 1/25
0 0.2m 1m 2m



1 WTC PENTHOUSE SECTION
SCALE: 1/25
0 0.2m 1m 2m

1	ISSUED FOR BID	04/11/2015
revision	Issue	date

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A B C	A	Detail No.
	B	No. of detail
	C	drawing no. - where detail required drawing no. - where detail not required drawing no. - where detailed drawing no. - where detailed

project title
titre du projet
**CANADA CENTRE FOR
INLAND WATERS**
867 LAKESHORE ROAD BURLINGTON,
ONTARIO, L7R 4A6
LABS, AHU, AND HEATING
UPGRADE

drawing title
titre du dessin
**WTC PENTHOUSE EXTENSION
SECTIONS**

drawn by
dessiné par JC

designed by
conçu par GG

approved by
approuvé par RN

bid
offre AM

project manager
administrateur de projet

project date
date du projet 2015-11-04

project no.
no. du projet R.073578.001

drawing no.
dessiné no. DIALOG NO. 09946T0200

A2.31

revision	Issue	date
1	ISSUED FOR BID	04/11/2018

Do not scale drawings. Verify all dimensions and conditions on site and coordinate with the Departmental Representative of all work.

A Detail No.
B No. of detail
C drawing no. - where detail required
drawing no. - where detail not required
drawing no. - where detailed
drawing no. - ou detaille

project title
titre du projet
CANADA CENTRE FOR INLAND WATERS
867 LAKESHORE ROAD BURLINGTON, ONTARIO, L7R 4A6
LABS, AHUs, AND HEATING UPGRADE

drawing title
titre du dessin
SECTION DETAILS

drawn by
dessiné par JJ

designed by
conçu par GC

approved by
approuvé par RN

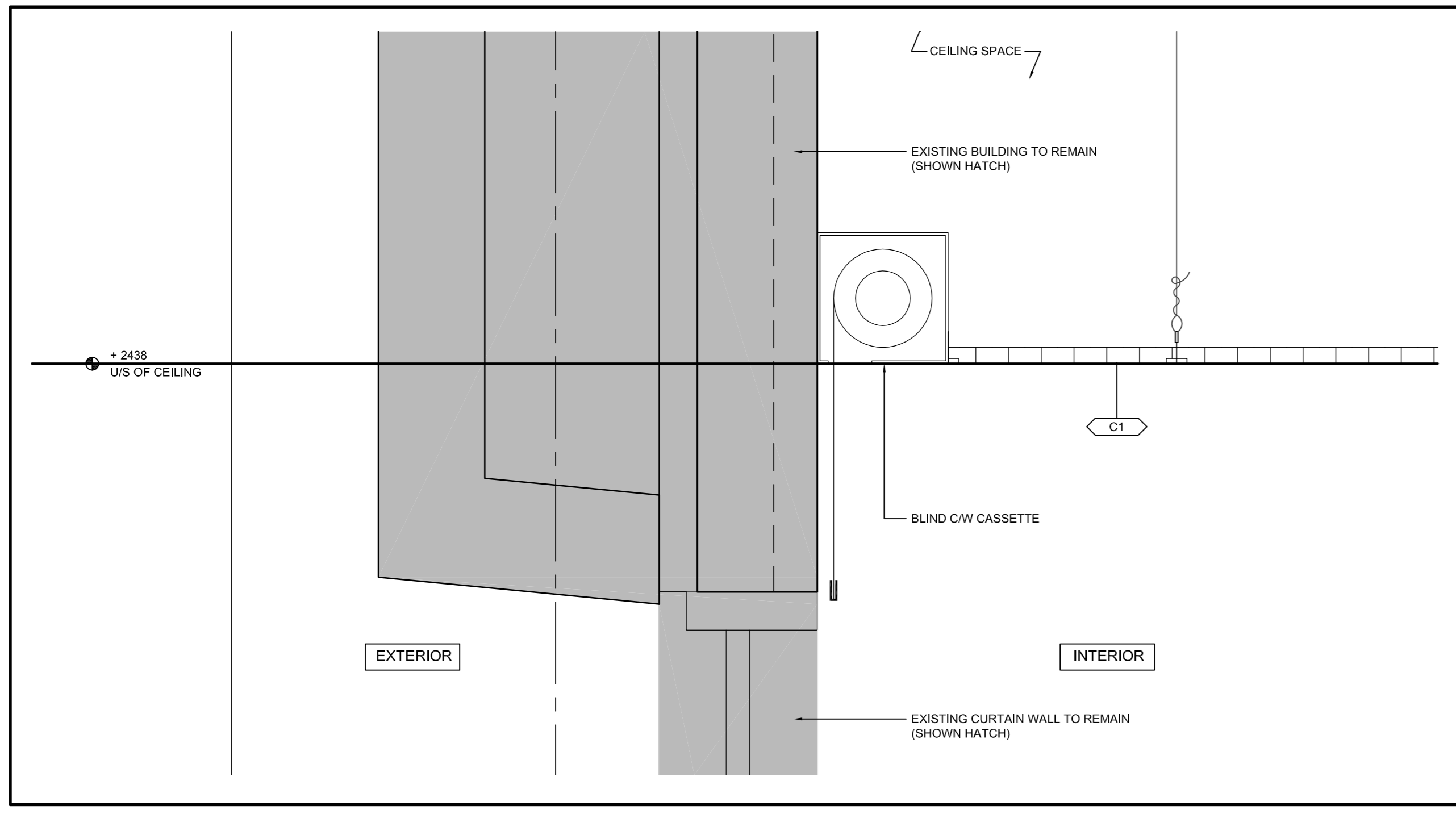
bid office
bureau de soumission AM

project manager
administrateur de projet

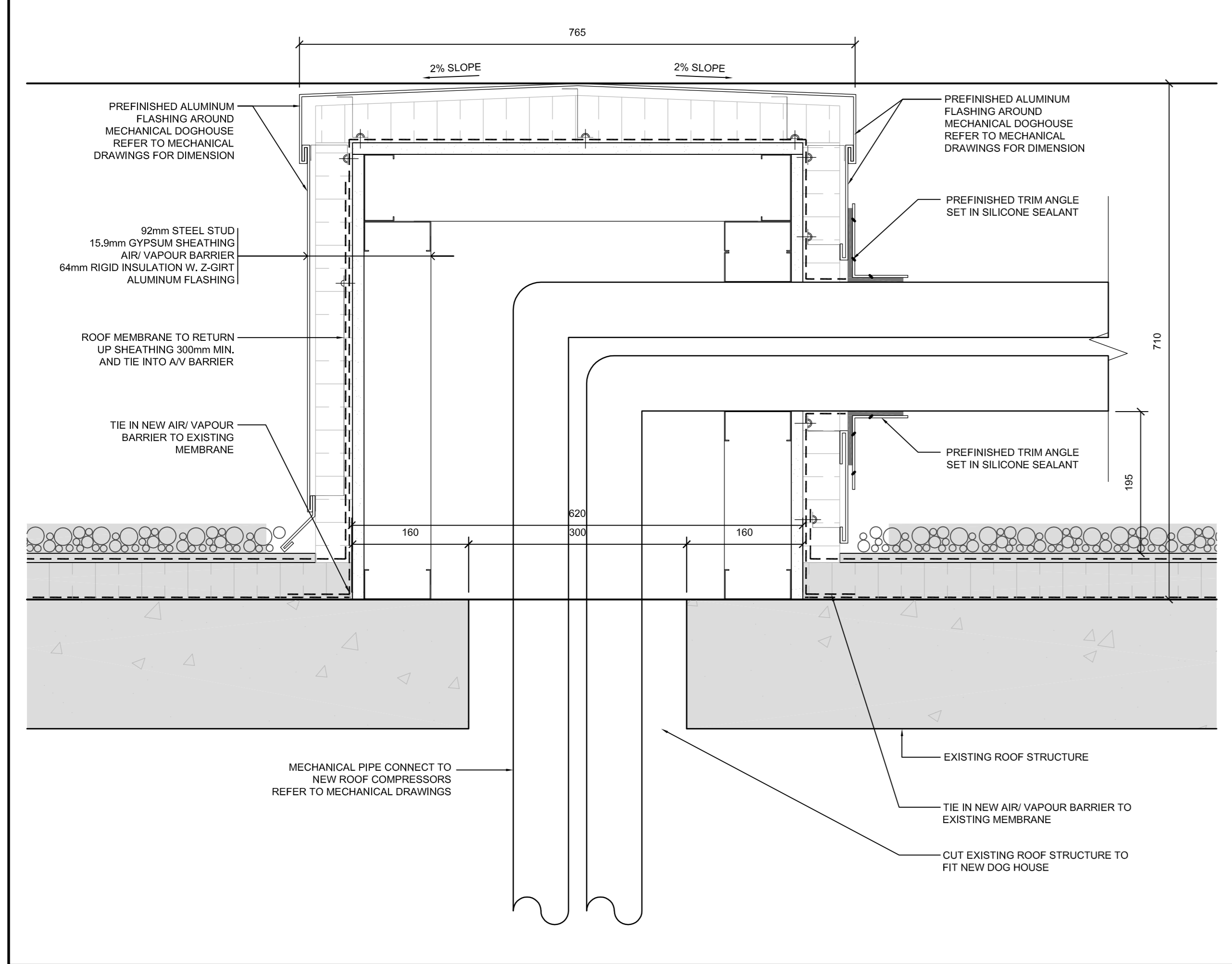
project date
date du projet 2015-11-04

project no.
no. du projet R.073578.001
DIALOG NO. 09946T0200

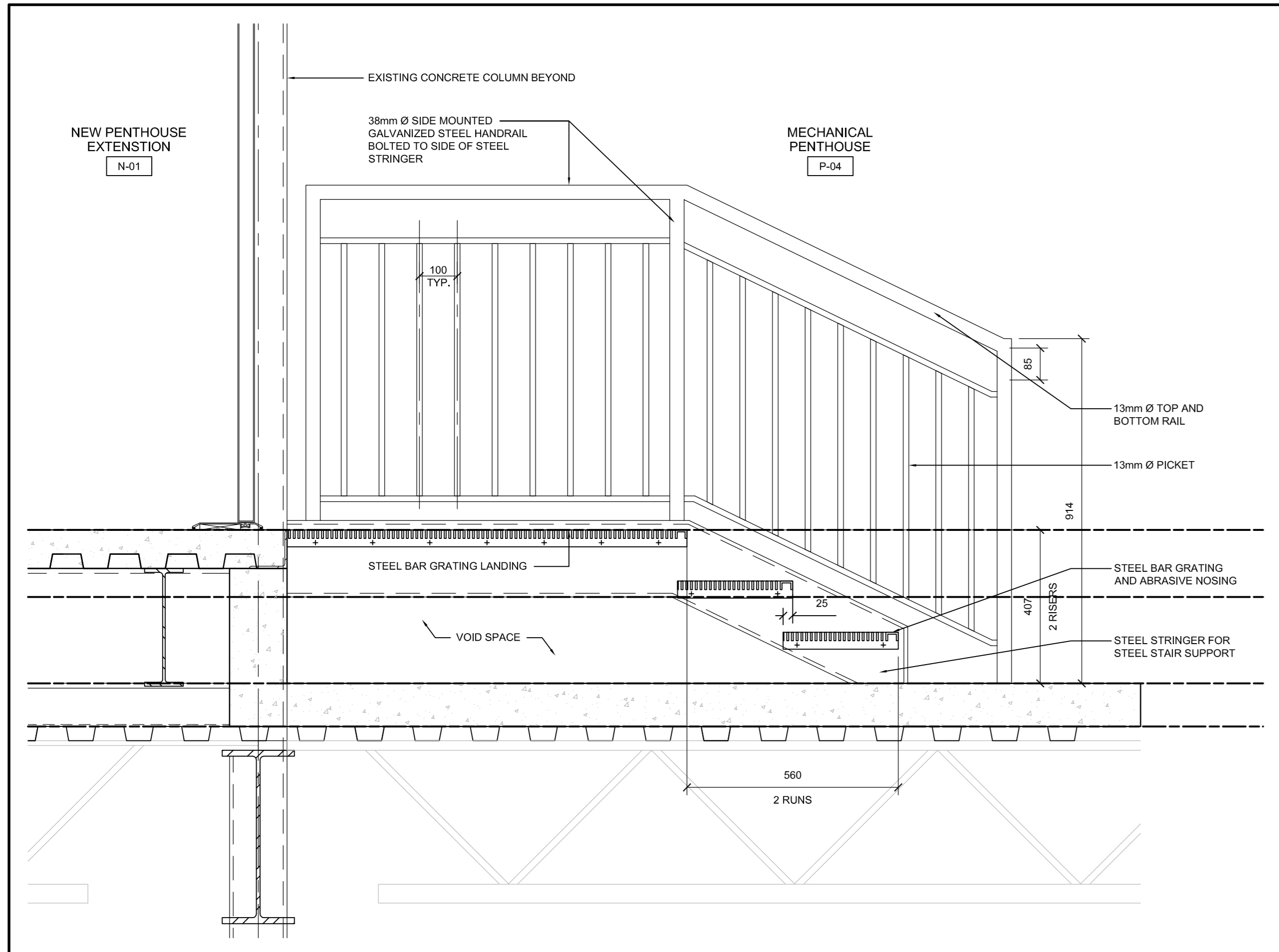
drawing no.
dessiné no. A6.01



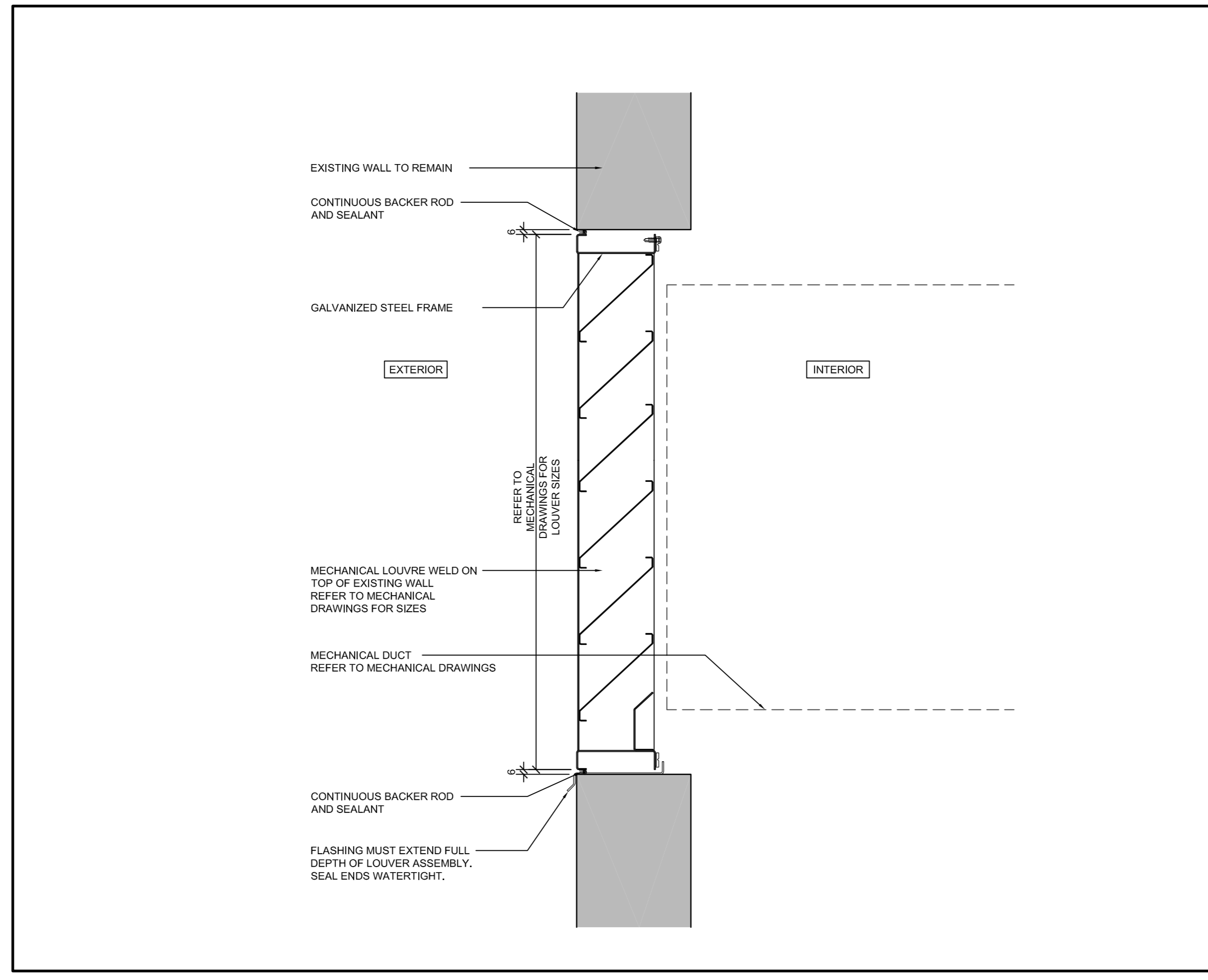
7 SECTION - BLIND @ CEILING
A6.01 SCALE: 1:5
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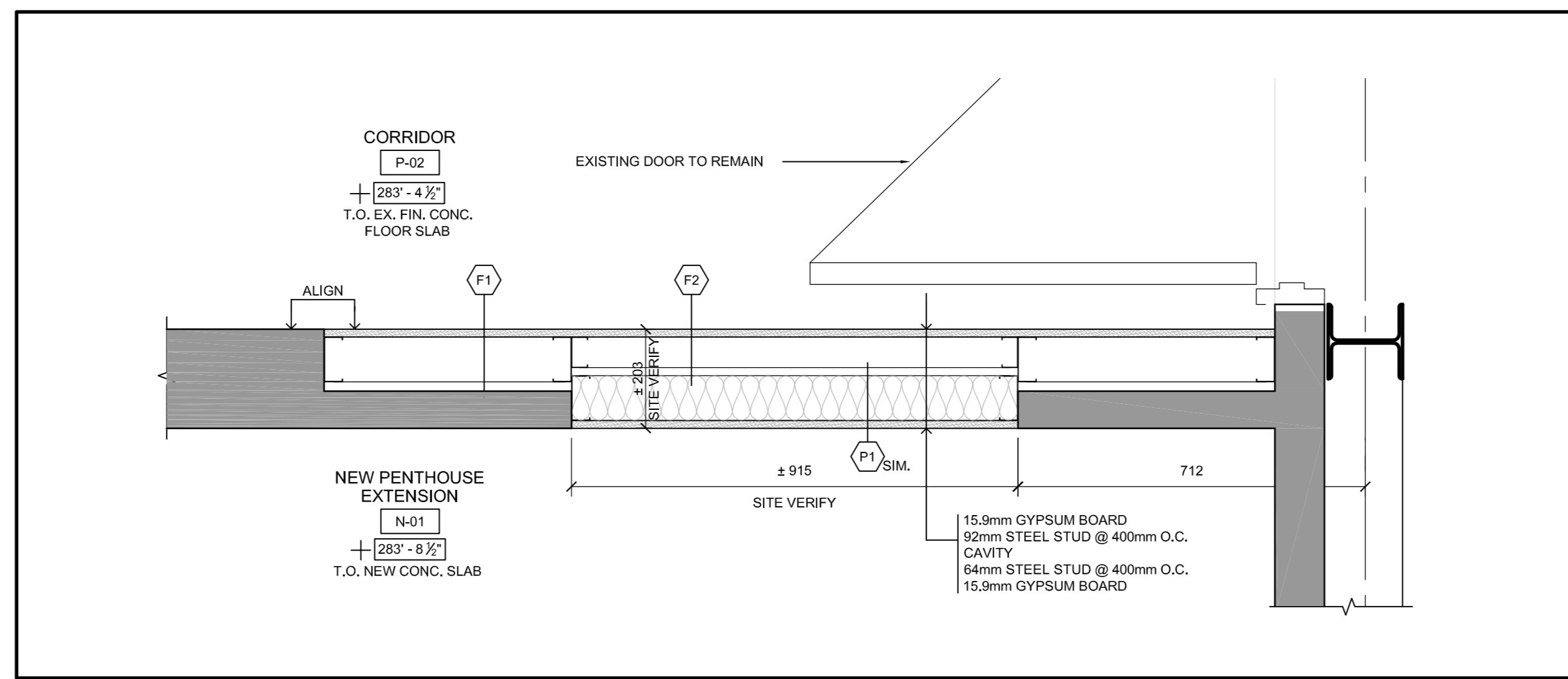
6 SECTION - HYDRAULIC WING DOGHOUSE @ ROOF
A1.22 SCALE: 1:5
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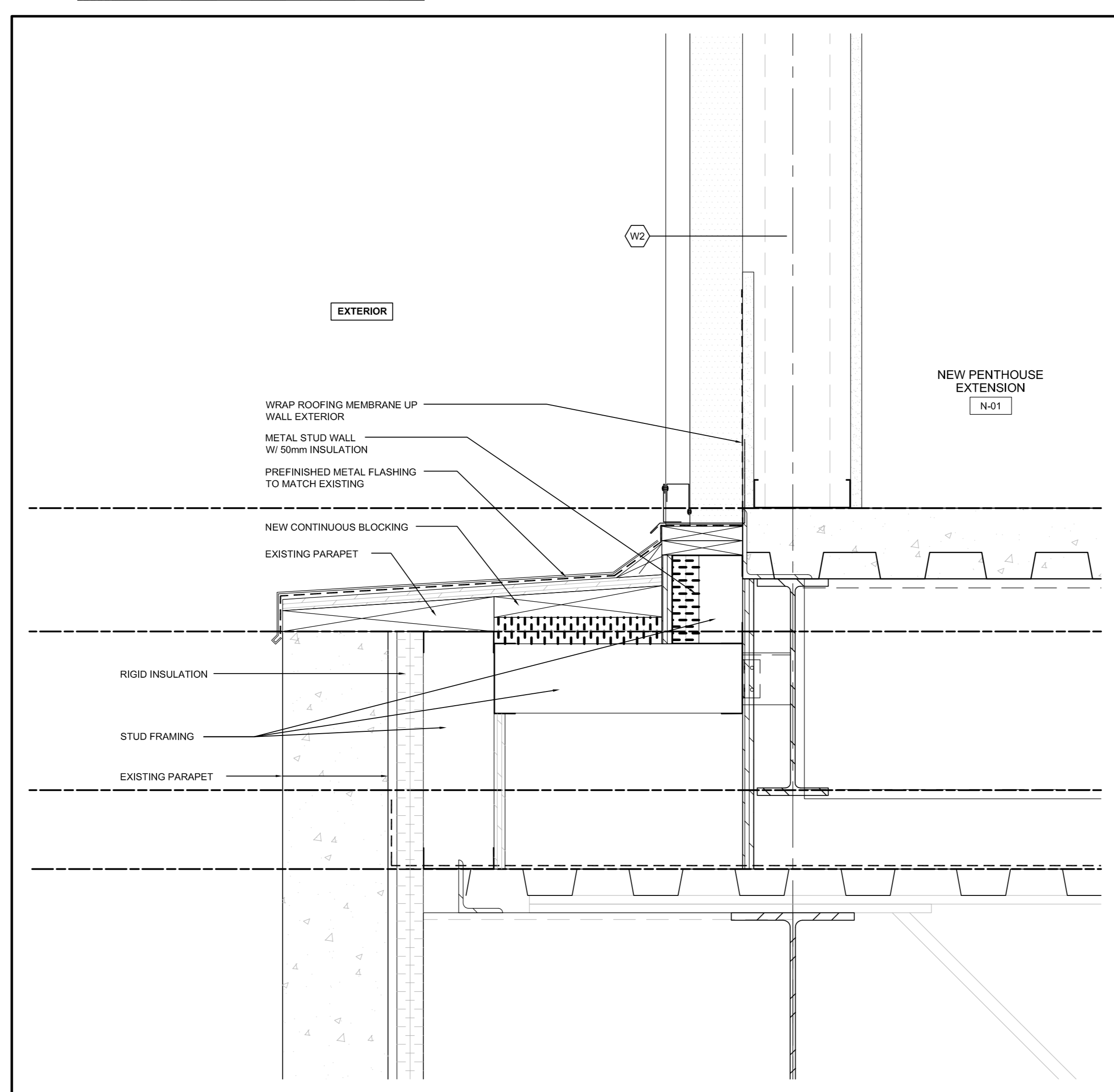
4 SECTION - WTC STEEL STAIR
A6.01 SCALE: 1:10
0 0.1m 0.5m 1m



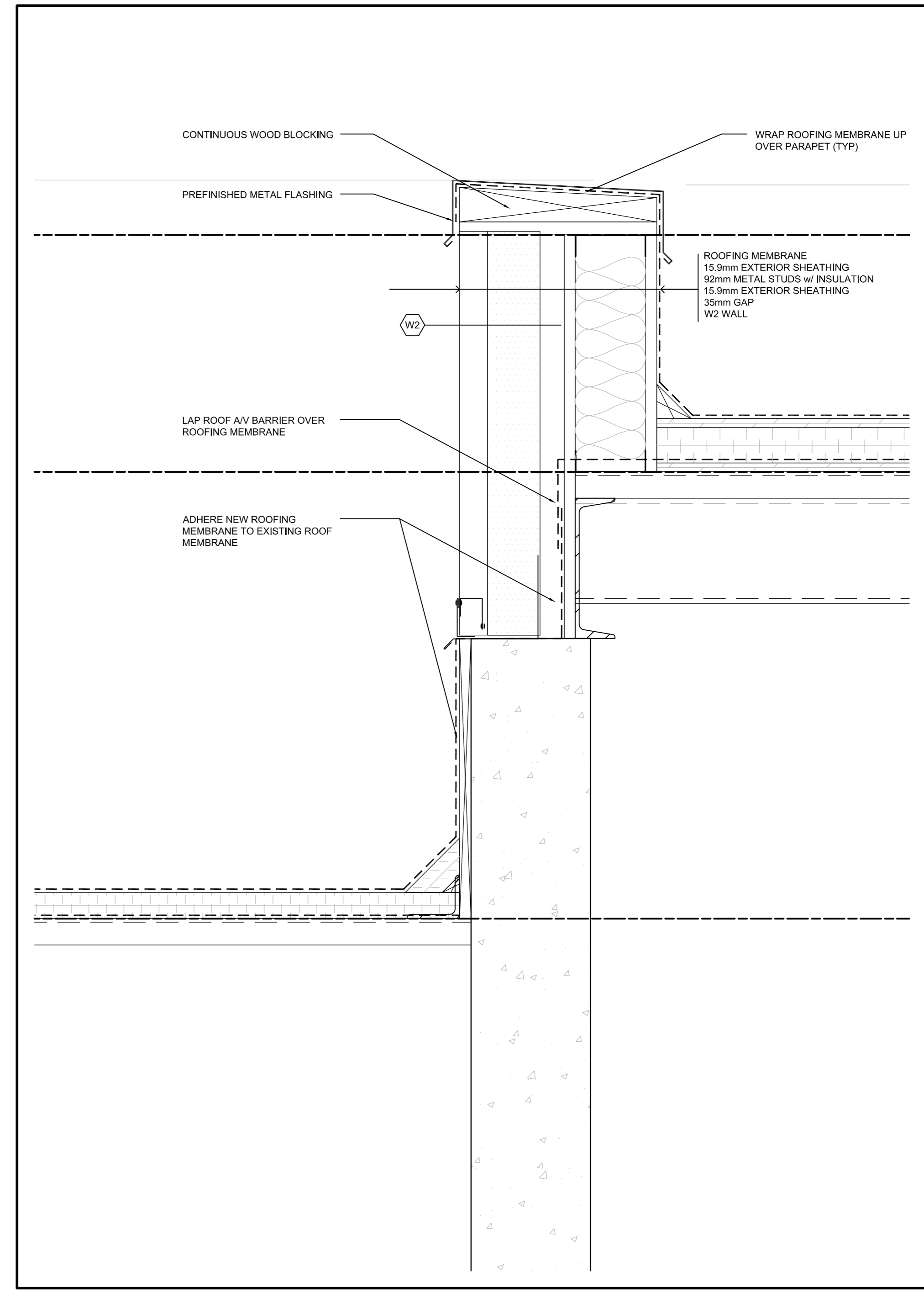
8 SECTION DETAIL - LOUVER
A6.01 SCALE: 1:10
0 0.1m 0.5m 1m



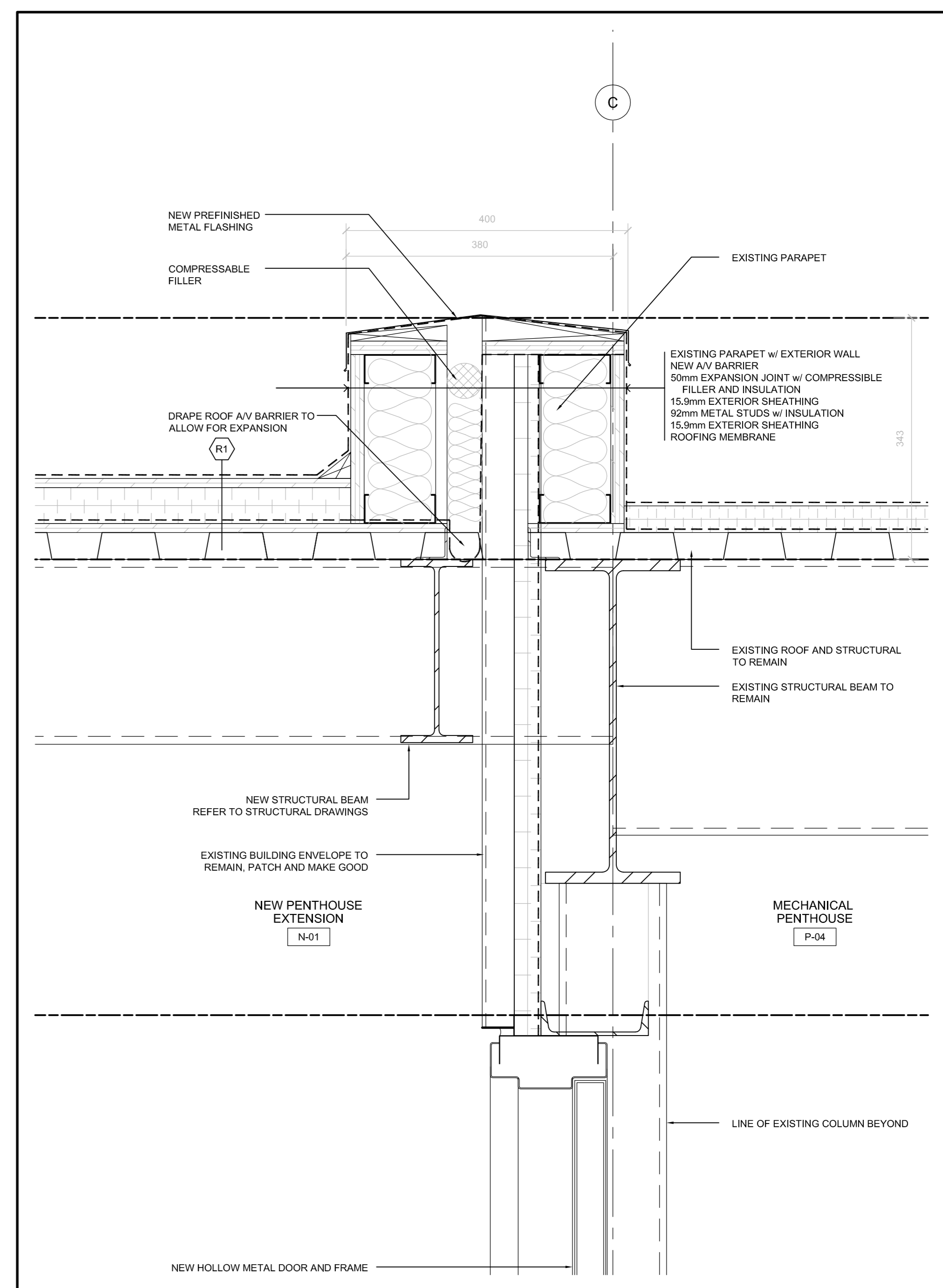
5 PLAN DETAIL @ CORRIDOR P-02
A6.01 SCALE: 1:10
0 0.1m 0.5m 1m



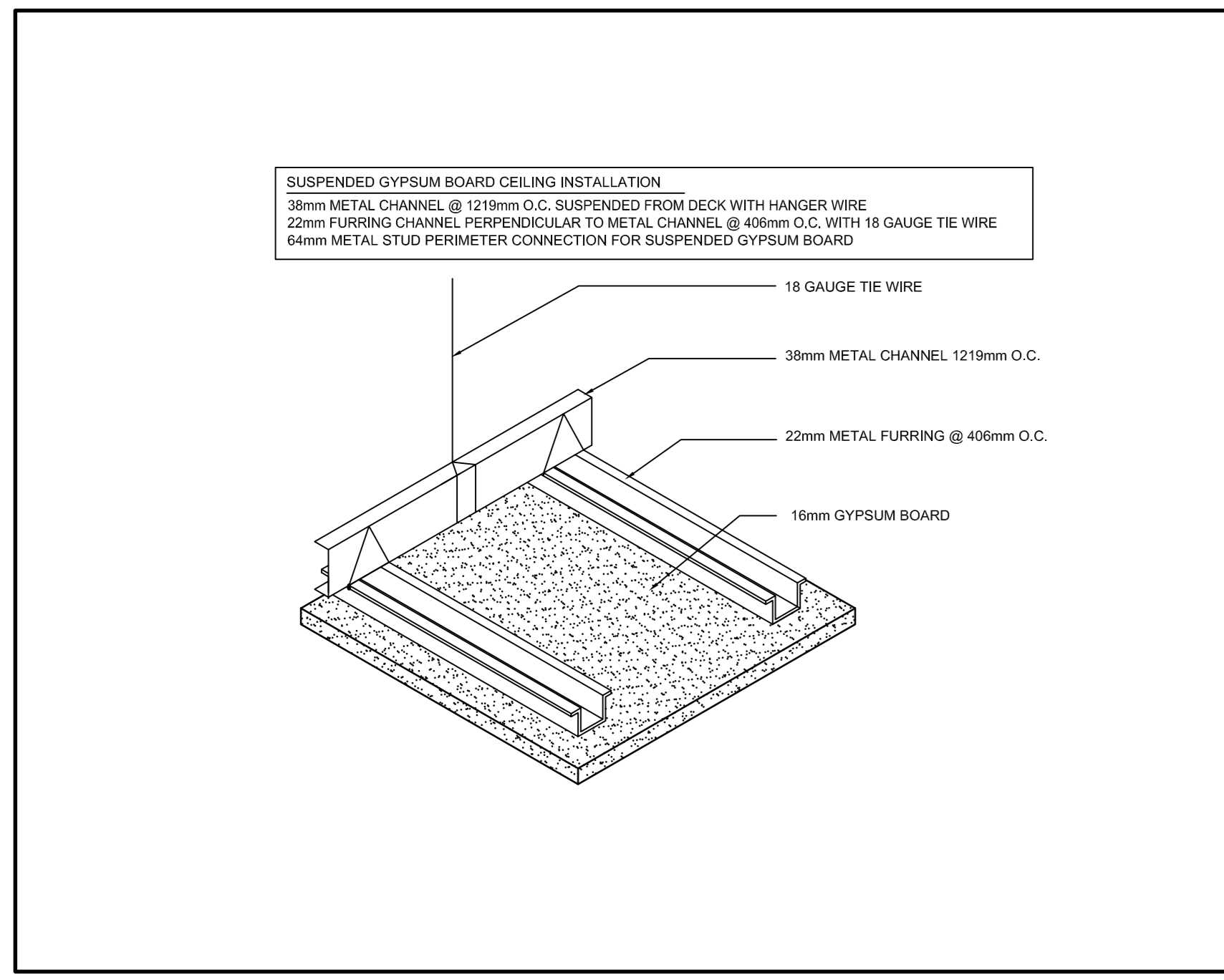
3 SECTION DETAIL
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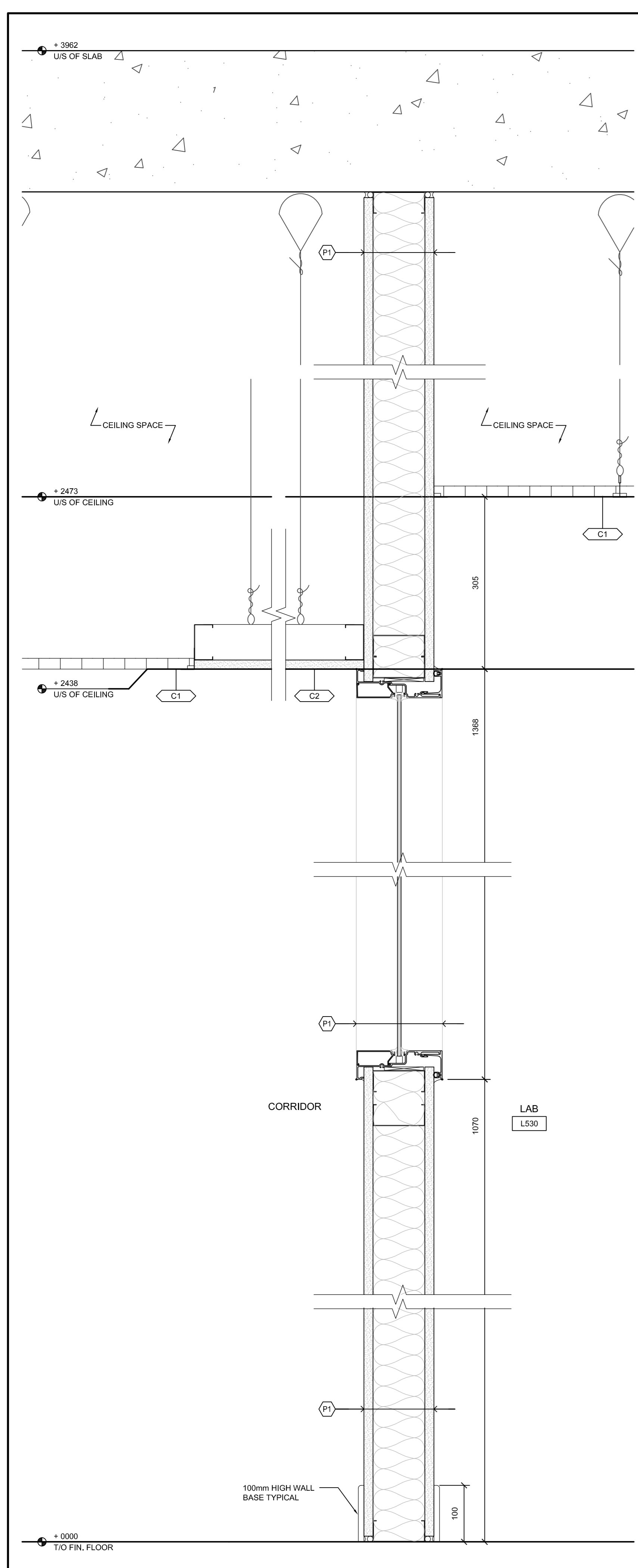
2 SECTION DETAIL @ EXTENSION PENTHOUSE PARAPET
A6.01 SCALE: 1:5
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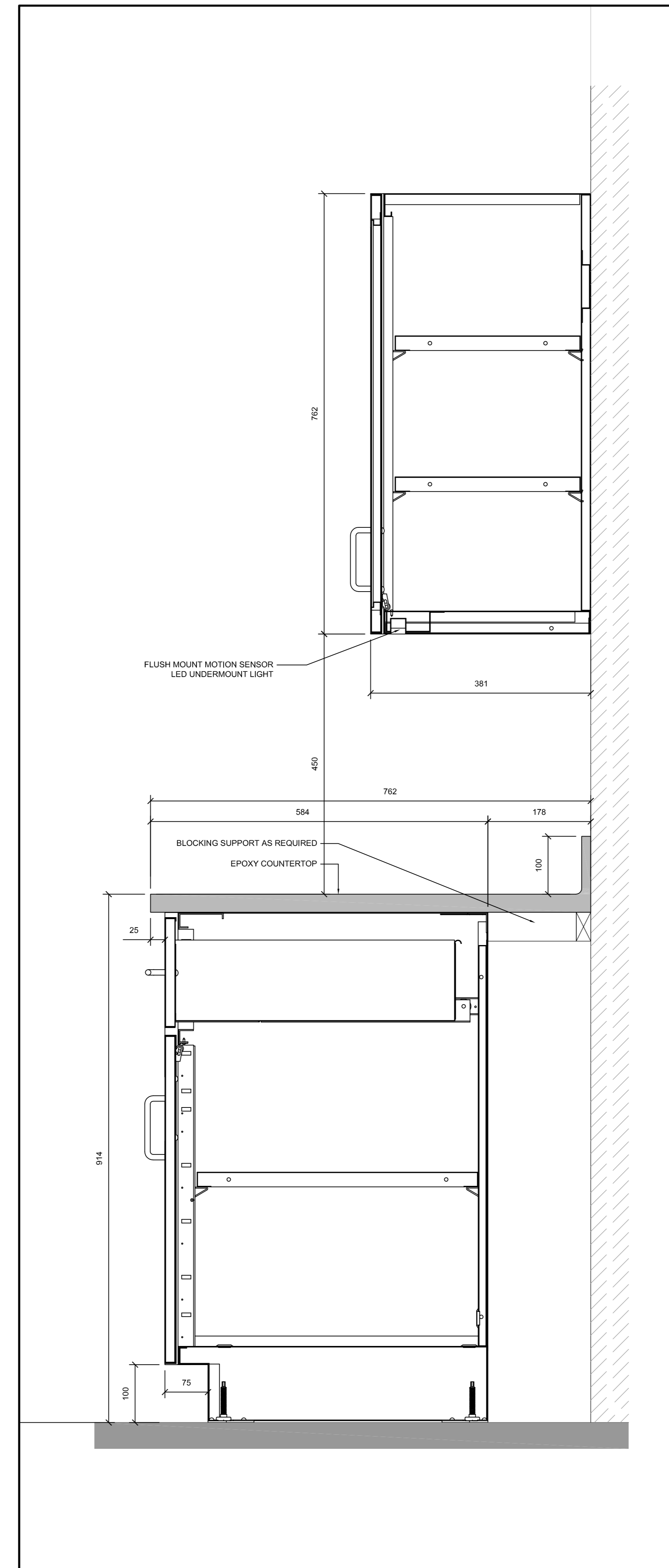
1 SECTION DETAIL @ CURB
A6.01 SCALE: 1:5
0 0.1m 0.5m



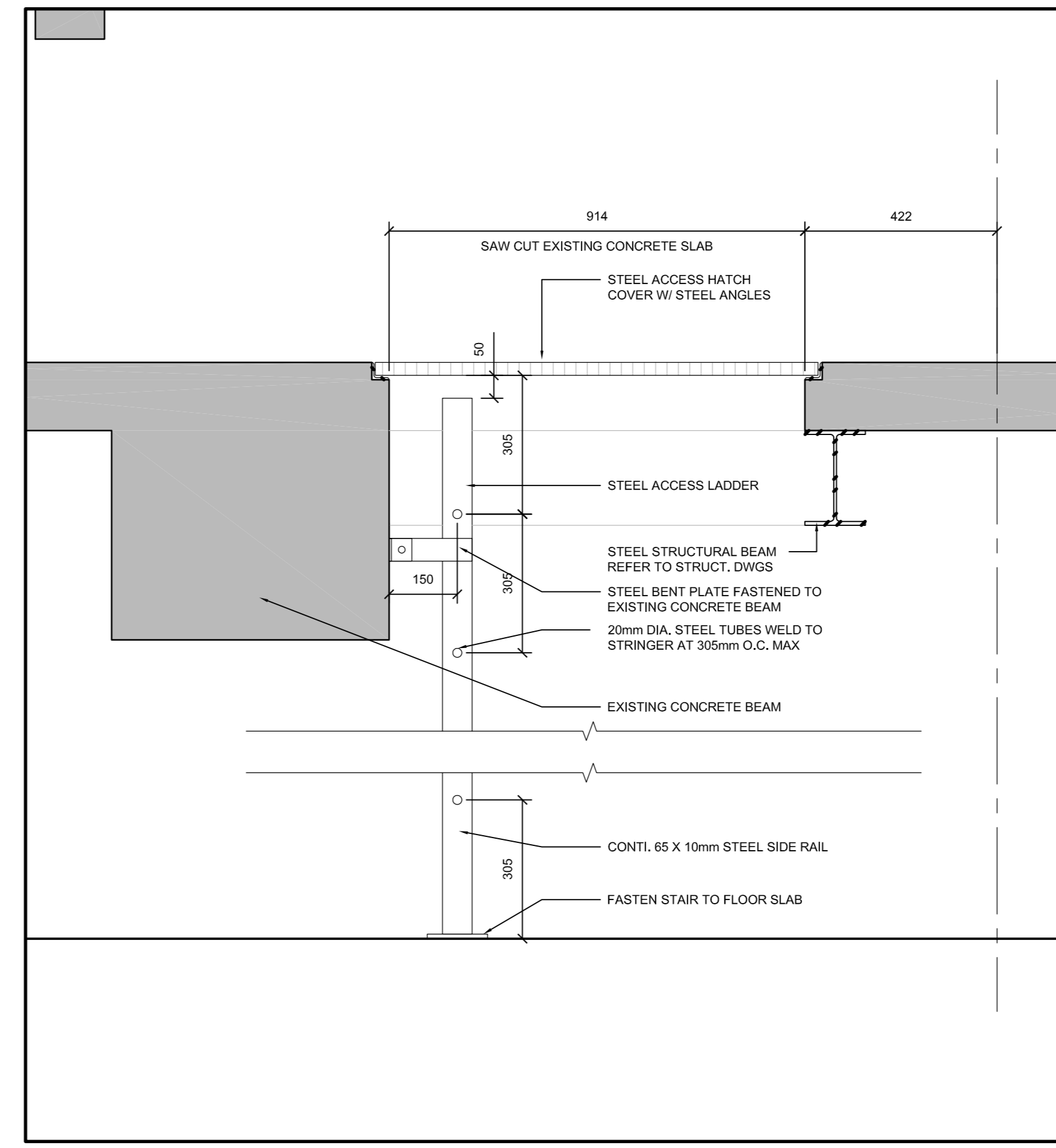
12 TYPICAL SUSPENDED GYPSUM BOARD CEILING
SCALE: N.T.S.



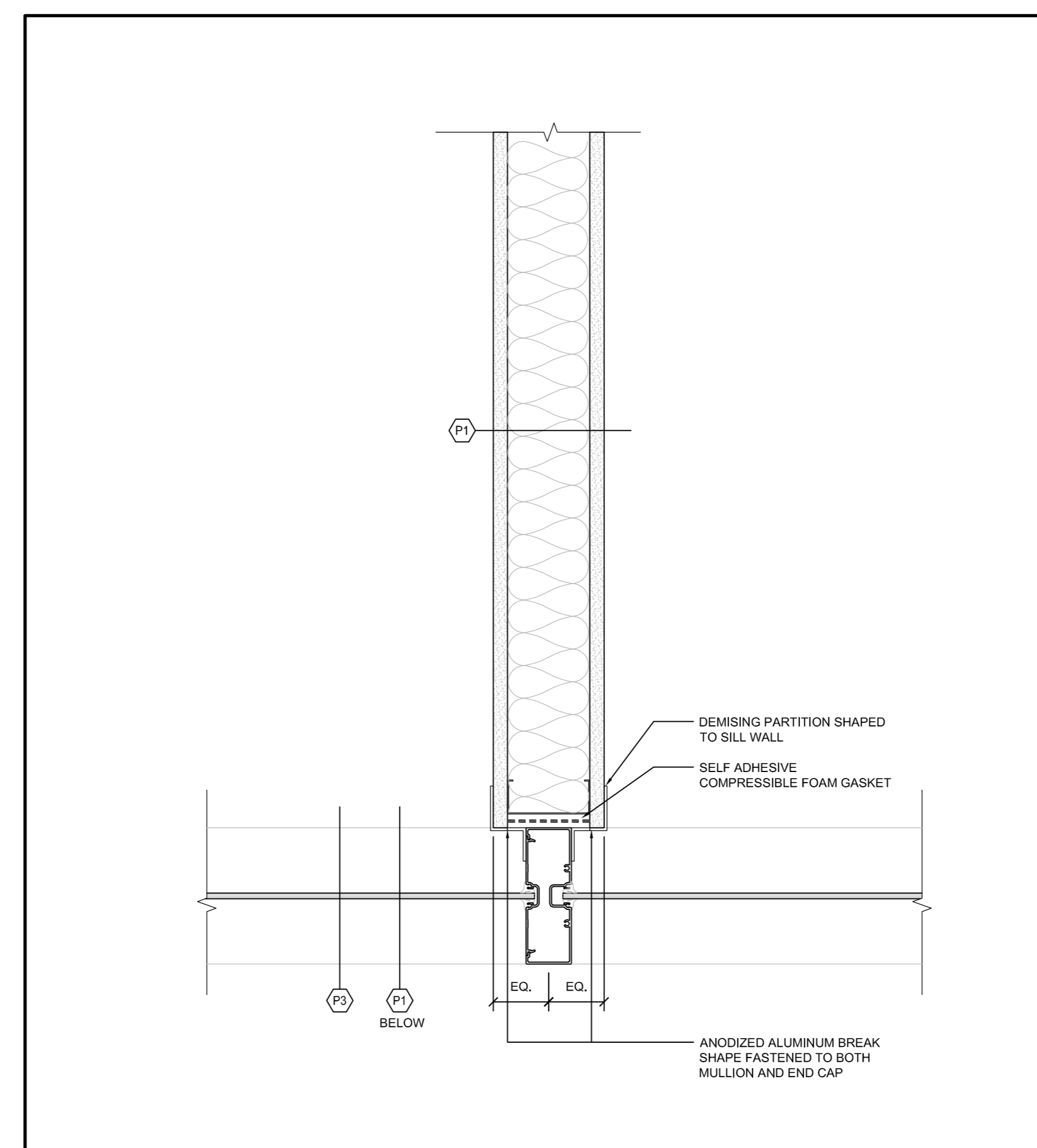
11 SECTION - CEILING
SCALE: 1:5



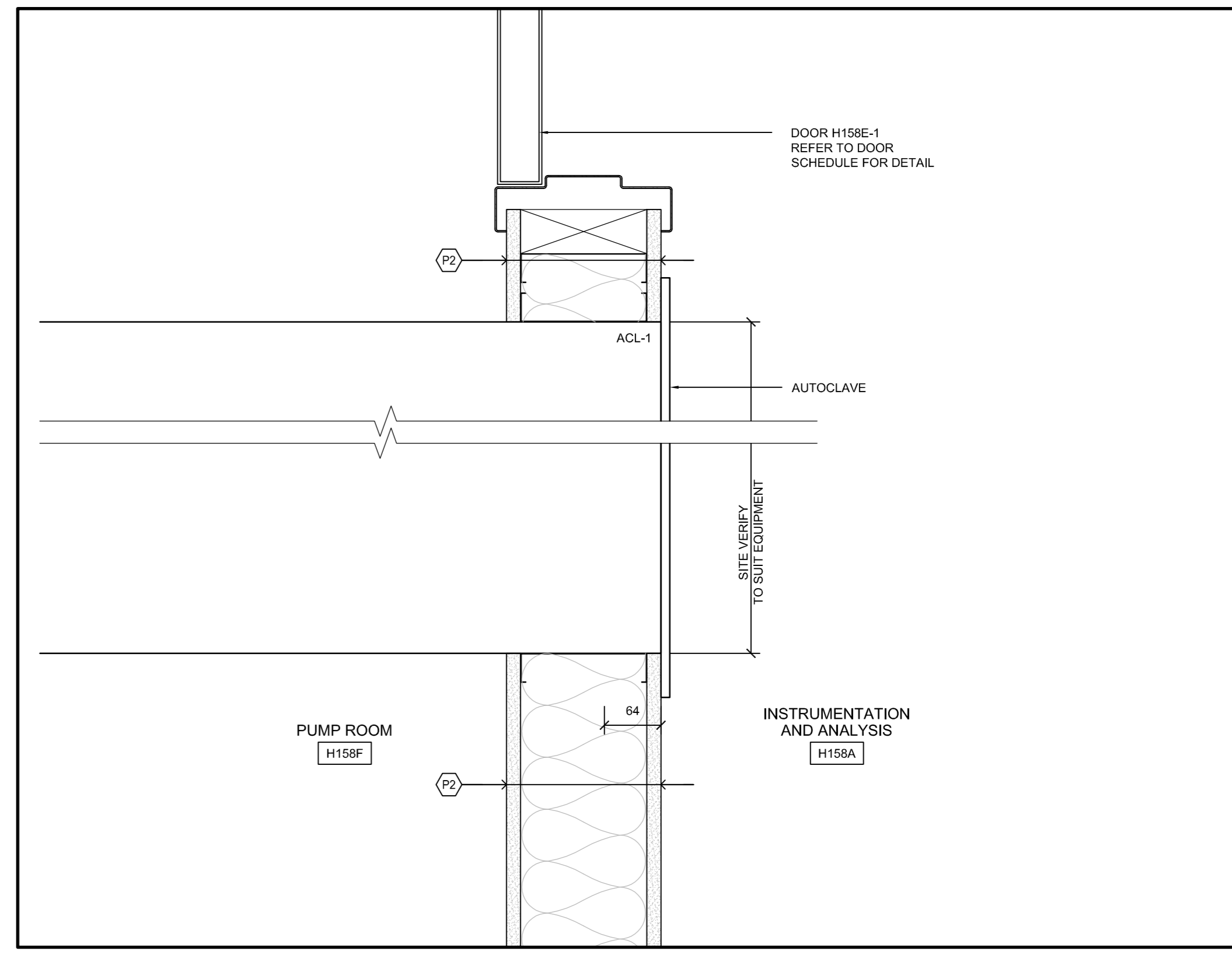
9 SECTION DETAIL - TYPICAL FIXED CASEWORK
SCALE: 1:5



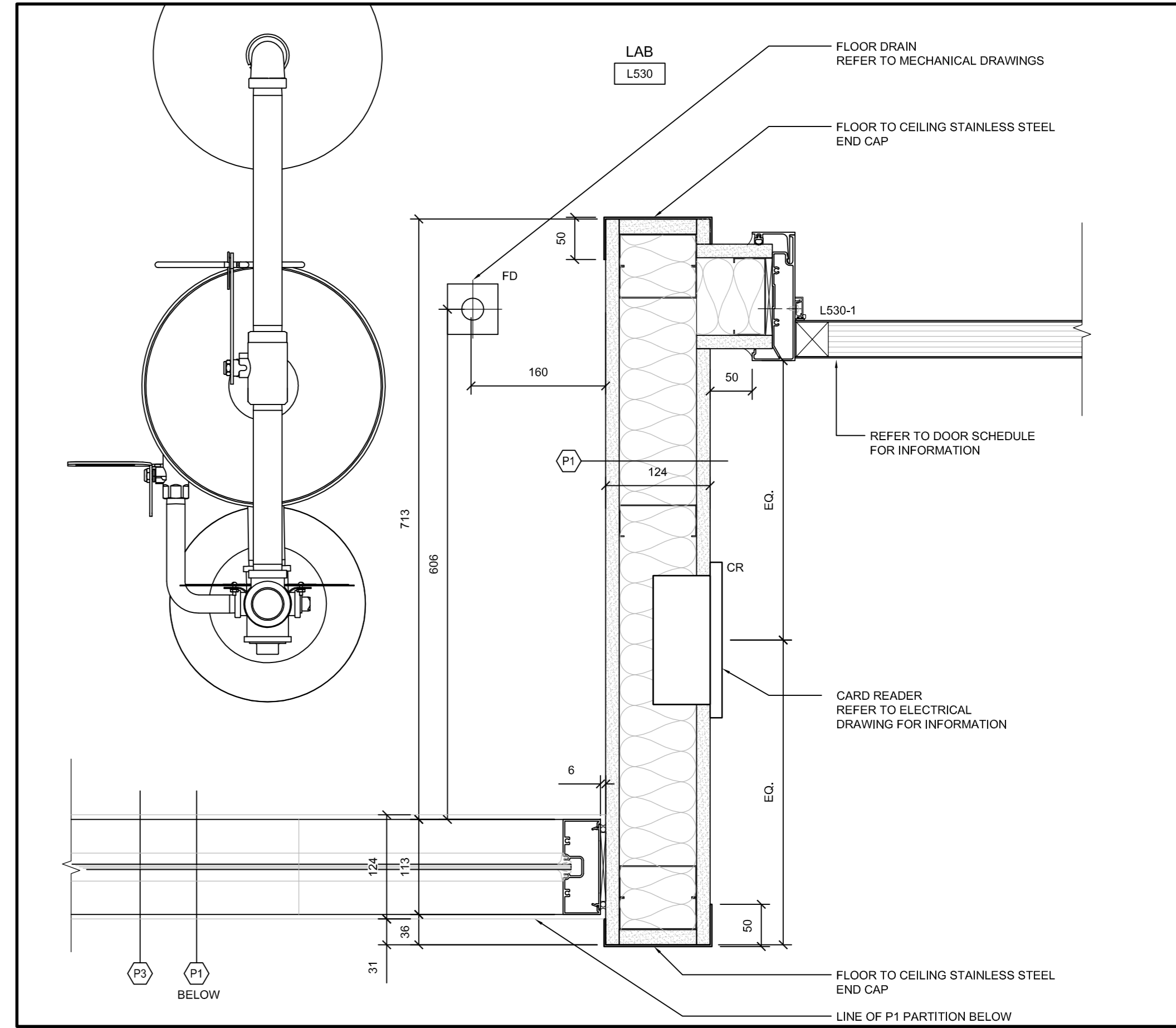
14 SECTION DETAIL - ACCESS HATCH W/ LADDER
SCALE: 1:10



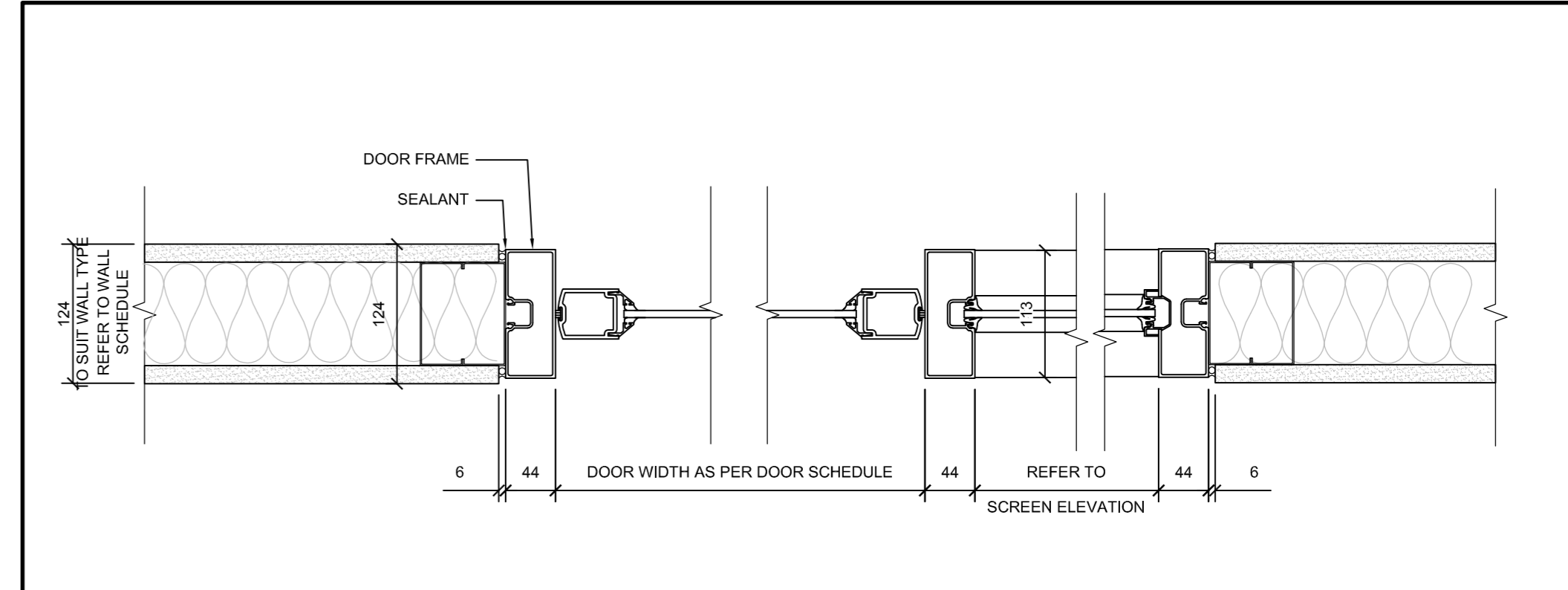
5 PLAN DETAIL - PARTITION AND CURTAIN WALL
SCALE: 1:5



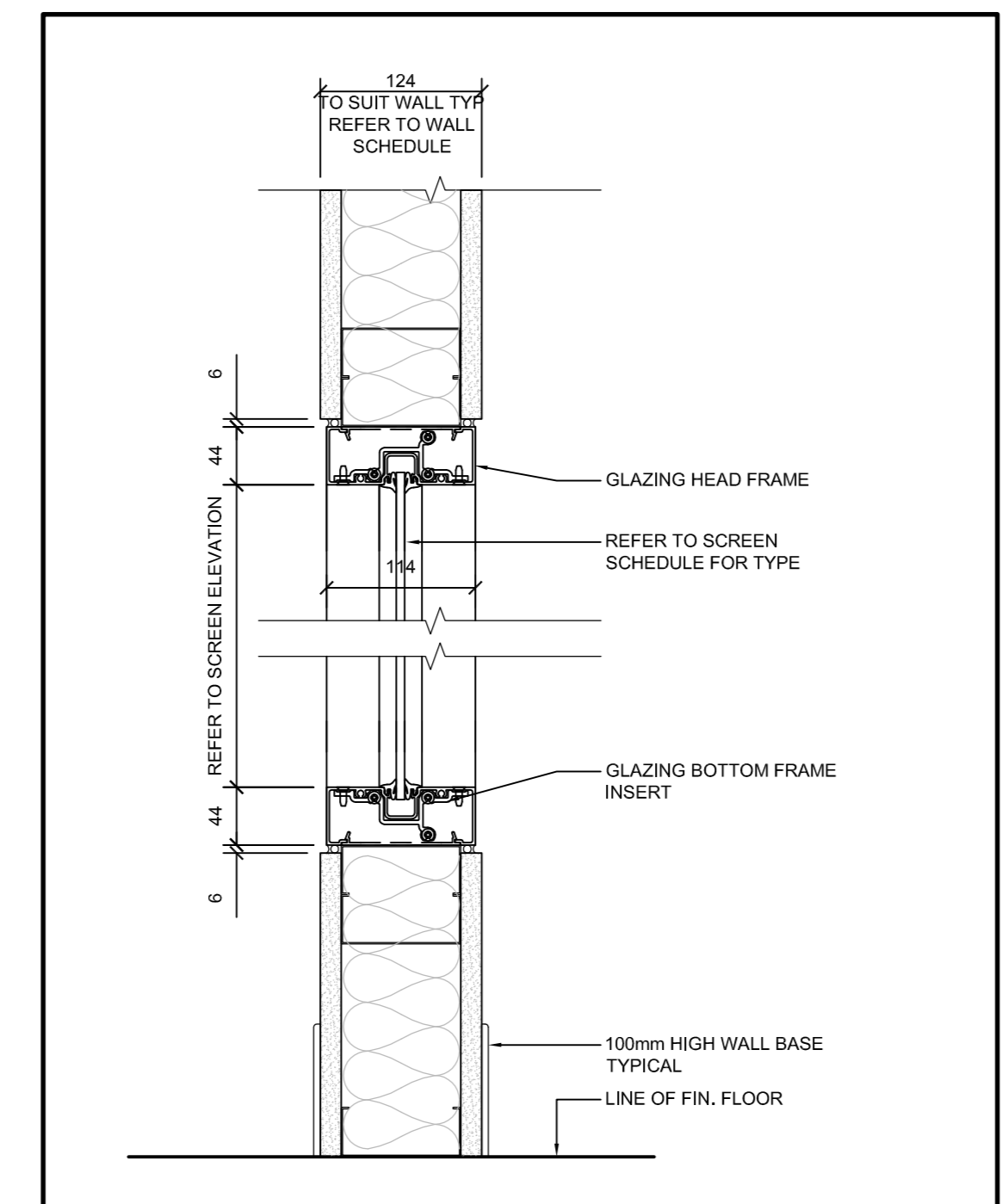
13 PLAN DETAIL - LAB EQUIPMENT
SCALE: 1:5



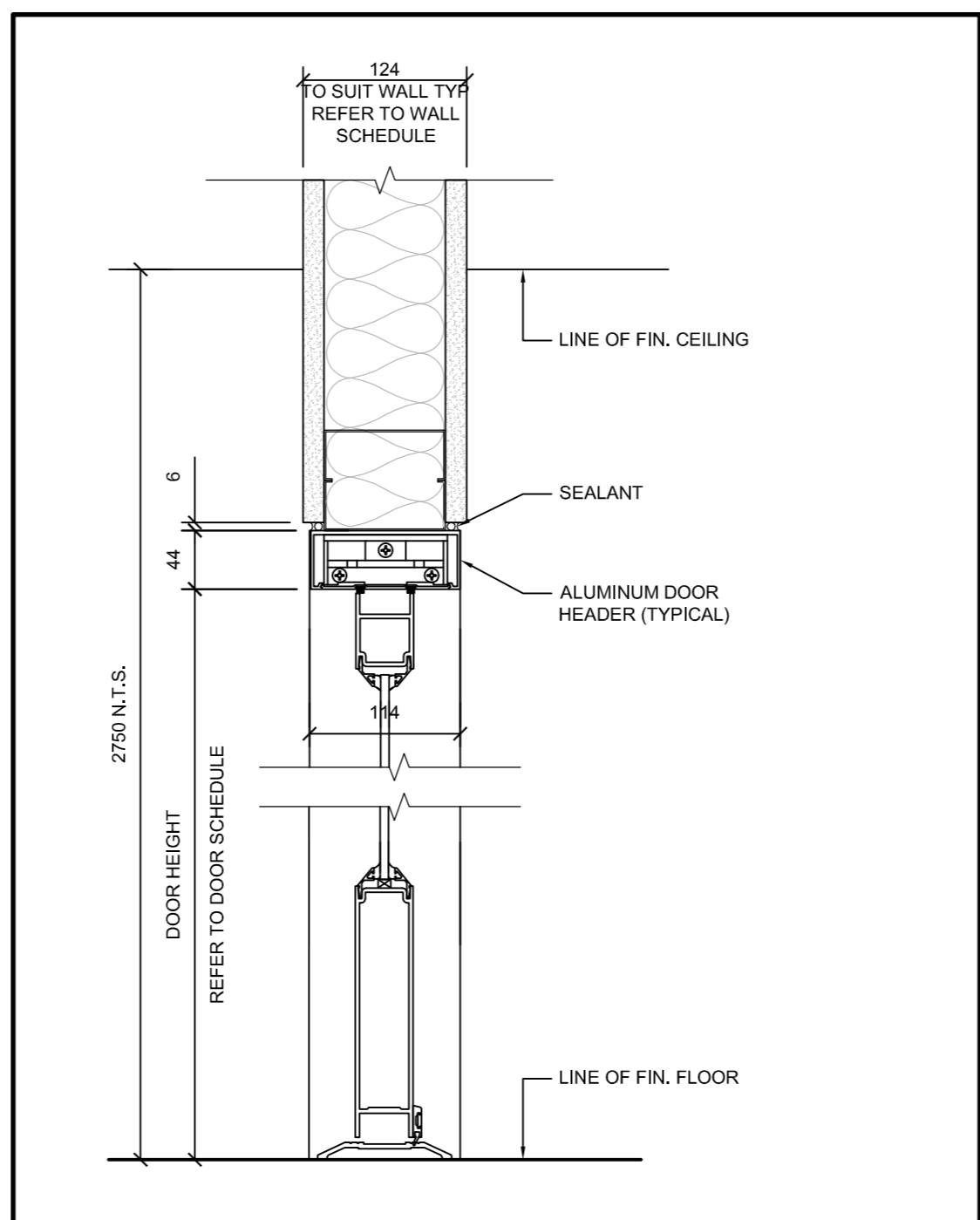
3 PLAN DETAIL - ALUMINUM DOOR AND SCREEN
SCALE: 1:5



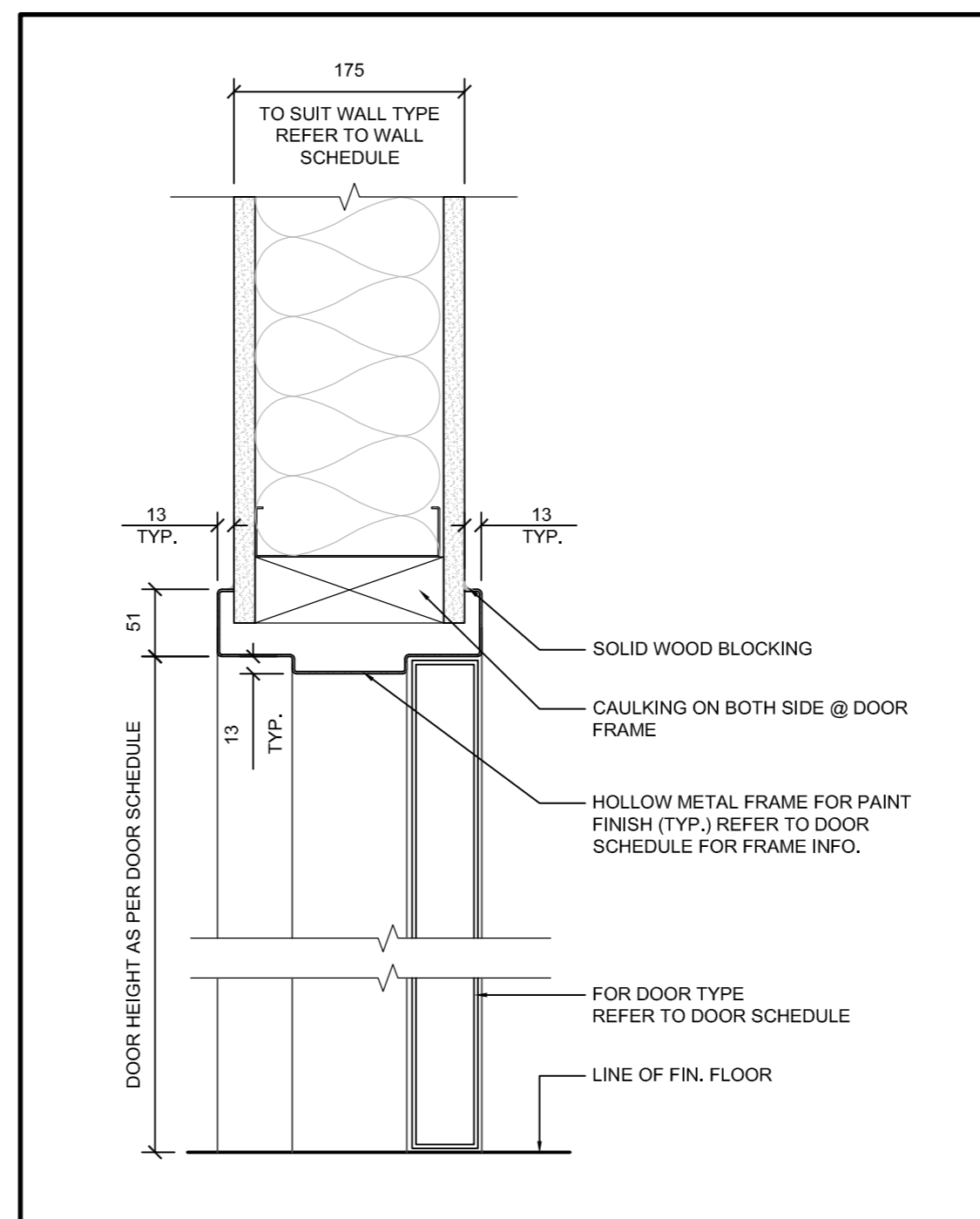
2 PLAN DETAIL - ALUMINUM DOOR/SIDELITE JAMB
SCALE: 1:5



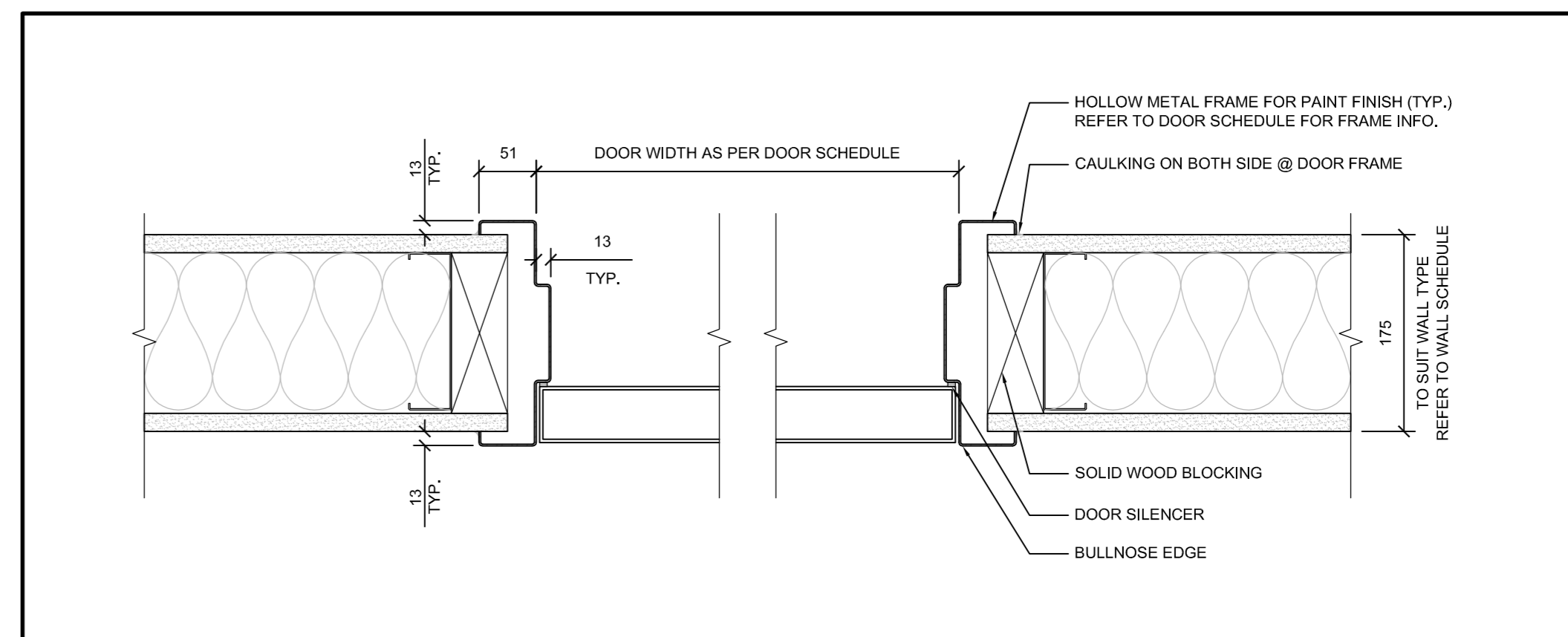
8 SECTION DETAIL - ALUM. SIDELITE HEADER
SCALE: 1:5



7 SECTION DETAIL - ALUM. DOOR HEADER
SCALE: 1:5



4 SECTION - HOLLOW METAL DOOR HEADER
SCALE: 1:5



1 PLAN DETAIL - HOLLOW METAL DOOR JAMB
SCALE: 1:5

1	ISSUED FOR BID	04/11/2015
revision	Issue	date

Do not scale drawings. Verify all dimensions and conditions on site and in the field. Notify the Department Representative of all discrepancies.

A Detail No.
B No. of detail
C drawing no. - where detail required
drawing no. - au detail exigé
drawing no. - where detailed
dessin no. - où détaillé

project title
titre du projet
CANADA CENTRE FOR INLAND WATERS
867 LAKESHORE ROAD BURLINGTON, ONTARIO, L7R 4A6
LABS, AHUs, AND HEATING UPGRADE

drawing title
titre du dessin
PLAN DETAILS & SECTION DETAILS

drawn by
dessiné par: JC

designed by
conçu par: GC

approved by
approuvé par: RN

bid
offre: AM

project manager
administrateur de projet

project date
date du projet: 2015-11-04

project no.
no. du projet: R.073578.001
DIALOG NO. 09946T0200

drawing no.
dessiné no.: A6.02