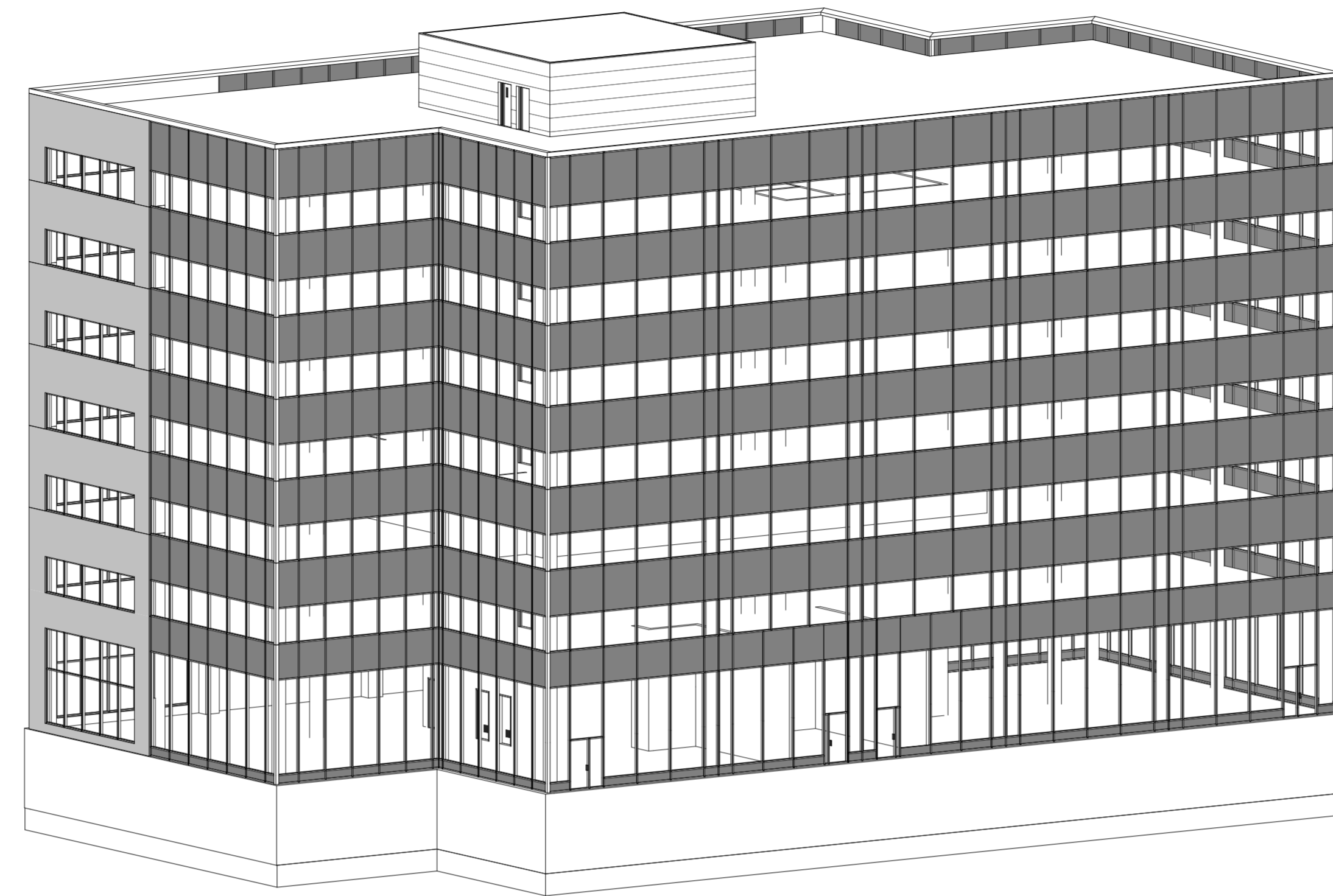


PROJECT TITLE: HYDRO ONE - SOUTHWESTERN ONTARIO REGION ADMINISTRATION BUILDING

PROJECT LOCATION: CITY OF LONDON, ONTARIO

PROJECT NUMBER: WDIV-W24-02



DRAWING LIST

SHEET NUMBER	DRAWING TITLE
A-101	GROUND FLOOR PLAN
A-102	THIRD FLOOR PLAN
A-201	BUILDING SECTION
A-301	EXTERIOR ELEVATIONS -NORTH ELEVATION
A-302	EXTERIOR ELEVATIONS -EAST ELEVATION
A-303	EXTERIOR ELEVATIONS -WEST ELEVATION EXTERIOR ELEVATIONS -SOUTH ELEVATION
A-401	WALL SECTION DETAILS
A-402	PLAN DETAILS
A-501	STAIR PLAN & SECTION
A-601	REFLECTED CEILING PLAN
A-701	WASHROOM PLAN
A-702	WASHROOM ELEVATIONS
A-801	CONSTRUCTION ASSEMBLIES

Name of Practice:
Algonquin Centre for Construction Excellence
Architectural Technician Program
ARC8404C - Working Drawings IV
Winter 2024

Name of Project:
Hydro One - Southwestern Ontario Region Administration Building

Location:
City of London, Ontario

Submitted by:
Jamie Cheung 040864137

Date:
April 10, 2024

Ontario Building Code Data Matrix Part 3				Building Code Reference 1		
3.00	Building Code Version:	O_Reg_332/12	Last Amendment	O_Reg_89/23		
3.01	Project Type:	<input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Addition <input type="checkbox"/> Renovation <input type="checkbox"/> Change of use <input type="checkbox"/> Addition and renovation			[A] 1.1.2.2.	
3.02	Major Occupancy Classification:	Occupancy: D Use: Business Administration	3.1.2.			
3.04	Building Area (m ²)	Description:	Existing	New	Total	[A] 1.4.1.2.
		Ground Floor	0	1214.5	0	
			0	0	0	
			0	0	0	
			0	0	0	
		Total	0	1214.5	0	

3.05	Gross Area (m ²)	Description:	Existing	New	Total	[A] 1.4.1.2.
		1st Floor	0	0	0	
			0	0	0	
			0	0	0	
			0	0	0	
		Total	0	0	0	
3.07	Building Height	7 Storeys above grade 1 Storeys below grade	27.14 (m) Above grade			[A] 1.4.1.2. & 3.2.1.1.
3.08	High Building	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes				3.2.6.
3.09	Number of Streets/ Firefighter access	1 street(s)				3.2.2.10. & 3.2.5.
3.10	Building Classification: (Size & Construction Relative to Occupancy)	3.2.2.49 Group/Div GROUP 0				3.2.2.20 - 83.
3.11	Sprinkler System	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required Provided: <input checked="" type="checkbox"/> entire building <input type="checkbox"/> selected compartments <input type="checkbox"/> selected floor areas <input type="checkbox"/> basement <input type="checkbox"/> in lieu of roof rating <input type="checkbox"/> none				3.2.1.5. & 3.2.2.17, 3.2.2.18, 3.2.4.8. to 3.2.4.10, and 3.2.5.13
3.12	Standpipe System	<input type="checkbox"/> Not required <input checked="" type="checkbox"/> Required				3.2.9.
3.13	Fire Alarm System	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not required Type Provided: <input type="checkbox"/> Single stage <input type="checkbox"/> Two stage <input type="checkbox"/> None				3.2.4.
3.15	Construction Type:	Restriction: <input type="checkbox"/> Combustible permitted <input type="checkbox"/> Non-combustible required <input type="checkbox"/> Encapsulated mass timber Actual: <input type="checkbox"/> Combustible <input type="checkbox"/> Non-combustible <input type="checkbox"/> Combination of combustible and non-combustible <input type="checkbox"/> Encapsulated mass timber <input type="checkbox"/> Combination of encapsulated mass timber and non-combustible Heavy Timber Construction: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes				3.2.2.20 - 83. & 3.2.1.4.

3.18	Occupant Load	Floor Level/Area	Occupancy Type	Based On	Occupant Load (Persons)	Posted Limit Required	3.1.17. and 3.1.17.1.(2)
		Ground Floor eqm	OFFICE		131		
					0		
					0		
					0		
					0		
3.19	Barrier-free Design:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Explanation					3.8.
	Barrier-free Entrances:	Number: 1 Explanation					3.1.8.2.
3.21	Required Fire Resistance Ratings	Horizontal Assembly	Rating (H)	Supporting Assembly (H)	Noncombustible in lieu of rating?	3.2.2.20 - 83, 3.2.1.2, 3.2.1.4, 3.2.2.15.	
		Storeys below grade	0	0	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> N/A		
		Floors over basement	0	0	<input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		
		Floors	2	0	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> N/A		
		Mezzanine	0	0	<input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		
		Roof	0	0	<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> N/A		
3.23a	Plumbing Fixture Requirements*	Ratio: Male:Female = 50:50 Except as noted otherwise					3.7.4, 3.8.2.3.
		Floor Level/Area	Occupant Load	OBC Reference	WCs Required	WCs Provided	
		OFFICE / 1214.5 sq.m	14	3.7.4.4	3	3	
			0		0	0	
			0		0	0	
			0		0	0	

ALGONQUIN COLLEGE | Algonquin Centre for Construction Excellence

WORKING DRAWINGS IV

architectural technician w24

NAME: JAMIE CHEUNG
STUDENT No.: 040864137
SECTION: 24W_ARC8404C_030
COURSE: WORKING DRAWINGS IV
SEMESTER: WINTER 2024
DATE: APRIL 10, 2024

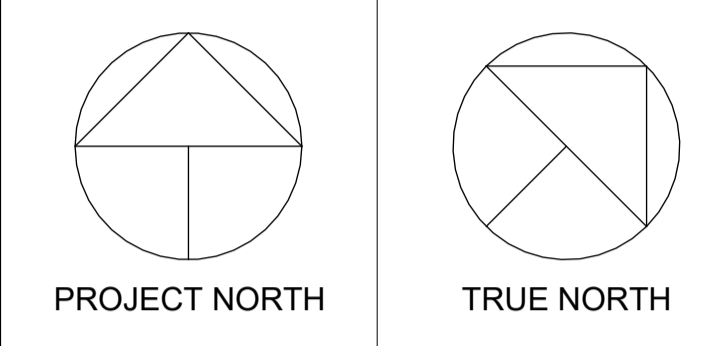
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REFER TO DRAWING A-801 CONSTRUCTION ASSEMBLIES, NOTES, LEGENDS, and SCHEDULES

REFER TO DRAWING A-501 FOR STAIR SECTION AND PLAN

01	FINAL SUBMISSION	10/04/2024
No.	Revision	Date

ALGONQUIN COLLEGE | Algonquin Centre for Construction Excellence

WORKING DRAWINGS IV

architectural technician **w24**

PROJECT TITLE:

HYDRO ONE - SOUTHWESTERN ONTARIO REGION ADMINISTRATION BUILDING

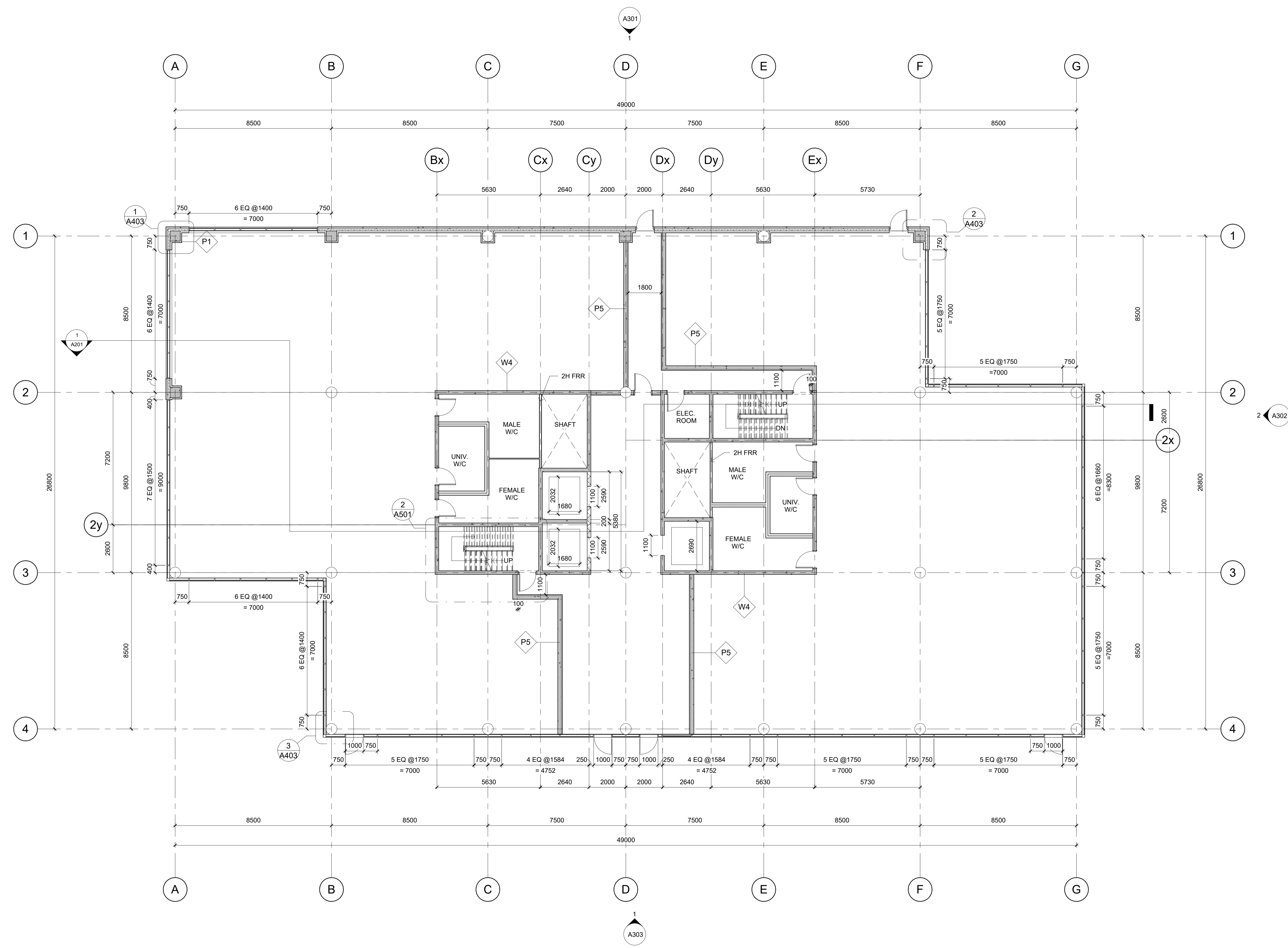
DRAWING TITLE:

GROUND FLOOR

SCALE:	DATE:
1 : 100	10/04/2024
PROJECT NUMBER:	DRAWN BY:
WDIV-W24-02	JAMIE CHEUNG

SHEET No.:

A101



1 GROUND FLOOR
A-101 1 : 100

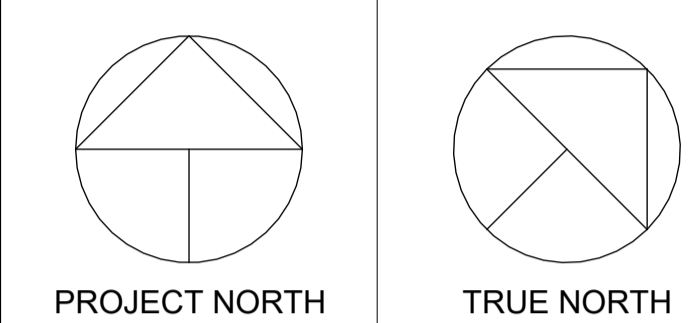
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REFER TO DRAWING A-501 FOR STAIR SECTION AND PLAN

01	FINAL SUBMISSION	10/04/2024
No.	Revision	Date

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WORKING DRAWINGS IV

architectural technician **w24**

PROJECT TITLE:

HYDRO ONE - SOUTHWESTERN ONTARIO REGION ADMINISTRATION BUILDING

DRAWING TITLE:

THIRD FLOOR

SCALE: 1 : 100

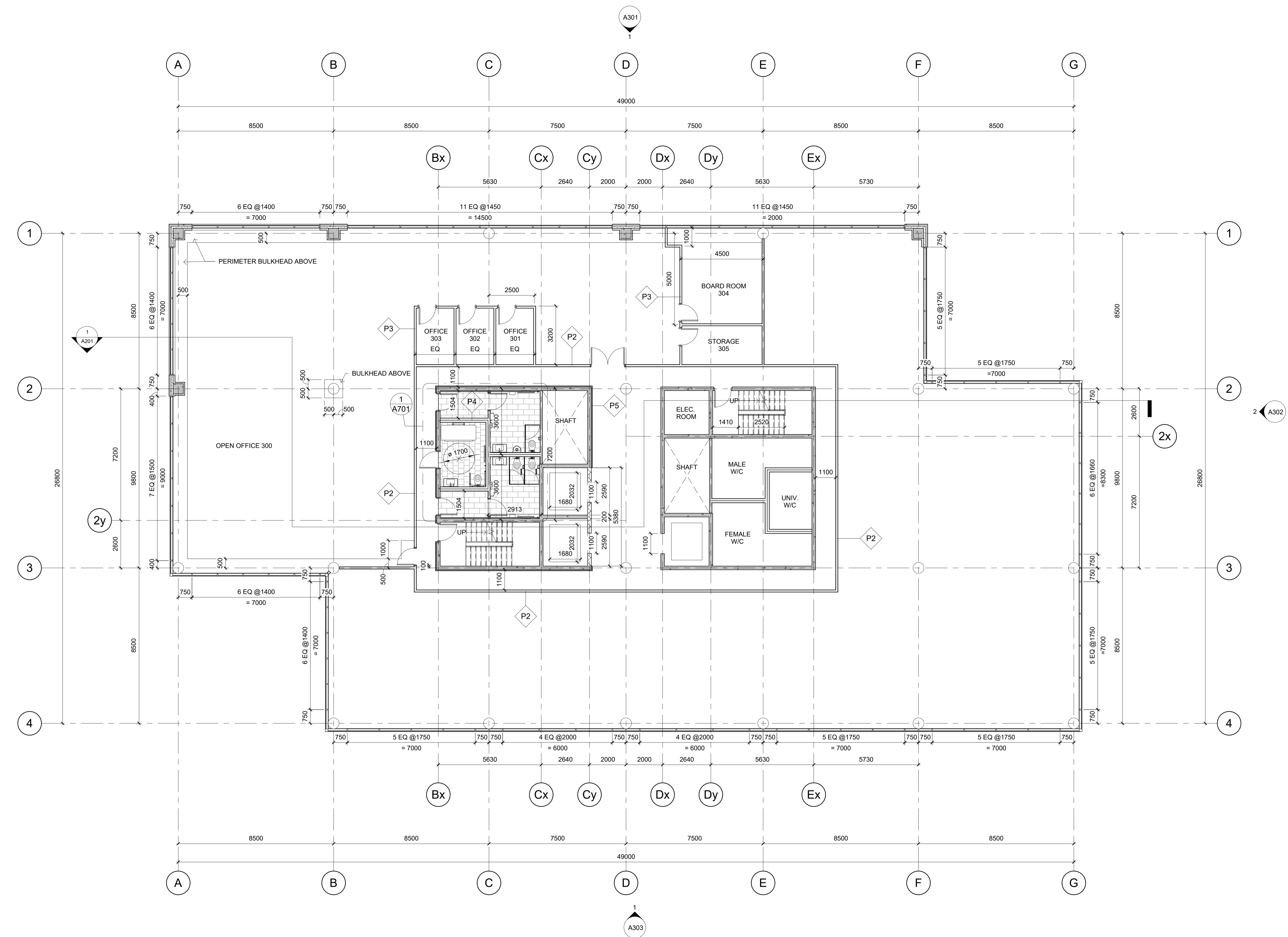
DATE: 10/04/2024

PROJECT NUMBER: WDIV-W24-02

DRAWN BY: JAMIE CHEUNG

SHEET No.:

A102



1 THIRD FLOOR
A-102 1 : 100

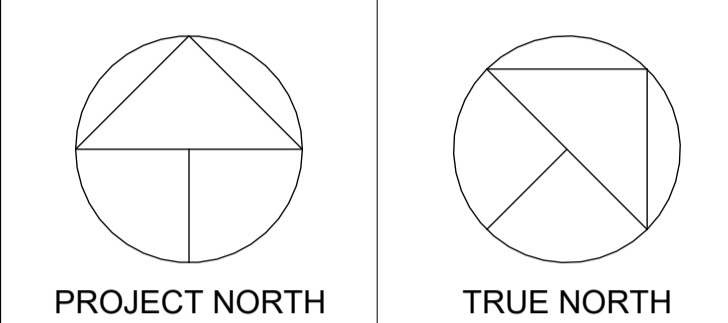
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REFER TO DRAWING A-501 FOR STAIR SECTION AND PLAN

01	FINAL SUBMISSION	10/04/2024
No.	Revision	Date

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WORKING DRAWINGS IV

architectural technician **w24**

PROJECT TITLE:

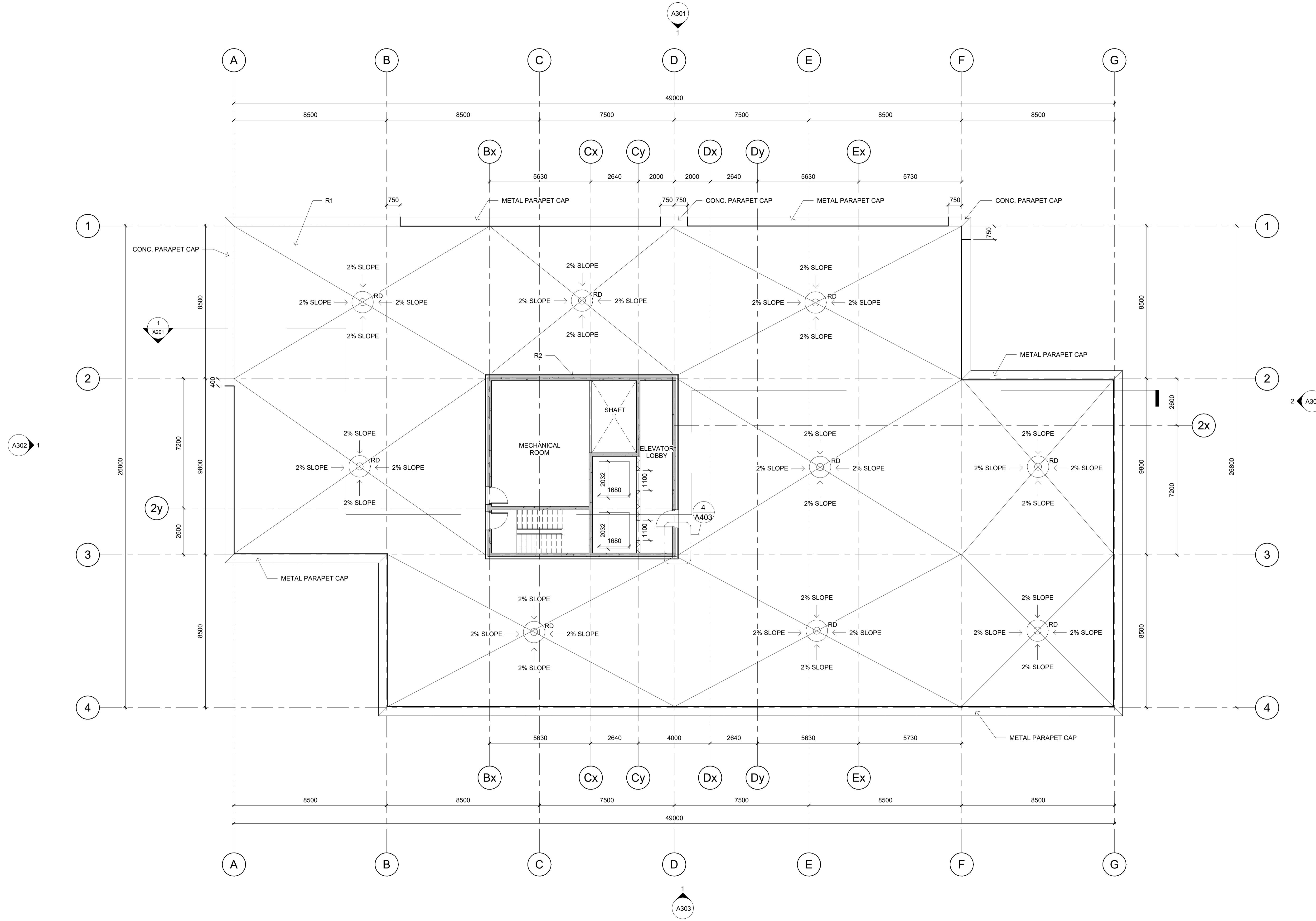
HYDRO ONE - SOUTHWESTERN ONTARIO REGION ADMINISTRATION BUILDING

DRAWING TITLE:

ROOF PLAN

SCALE:	DATE:
1 : 100	10/04/2024
PROJECT NUMBER:	DRAWN BY:
WDIV-W24-02	JAMIE CHEUNG
SHEET No.:	

A103



1 ROOF
A-103 1 : 100

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REFER TO DRAWING A-801 CONSTRUCTION ASSEMBLIES, NOTES, LEGENDS, and SCHEDULES

REFER TO DRAWING A-403 FOR STAIR SECTION AND PLAN

No.	Revision	Date
01	FINAL SUBMISSION	10/04/2024

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WORKING DRAWINGS IV

architectural technician **w24**

PROJECT TITLE:

HYDRO ONE - SOUTHWESTERN ONTARIO REGION ADMINISTRATION BUILDING

DRAWING TITLE:

BUILDING SECTION

SCALE: 1 : 100

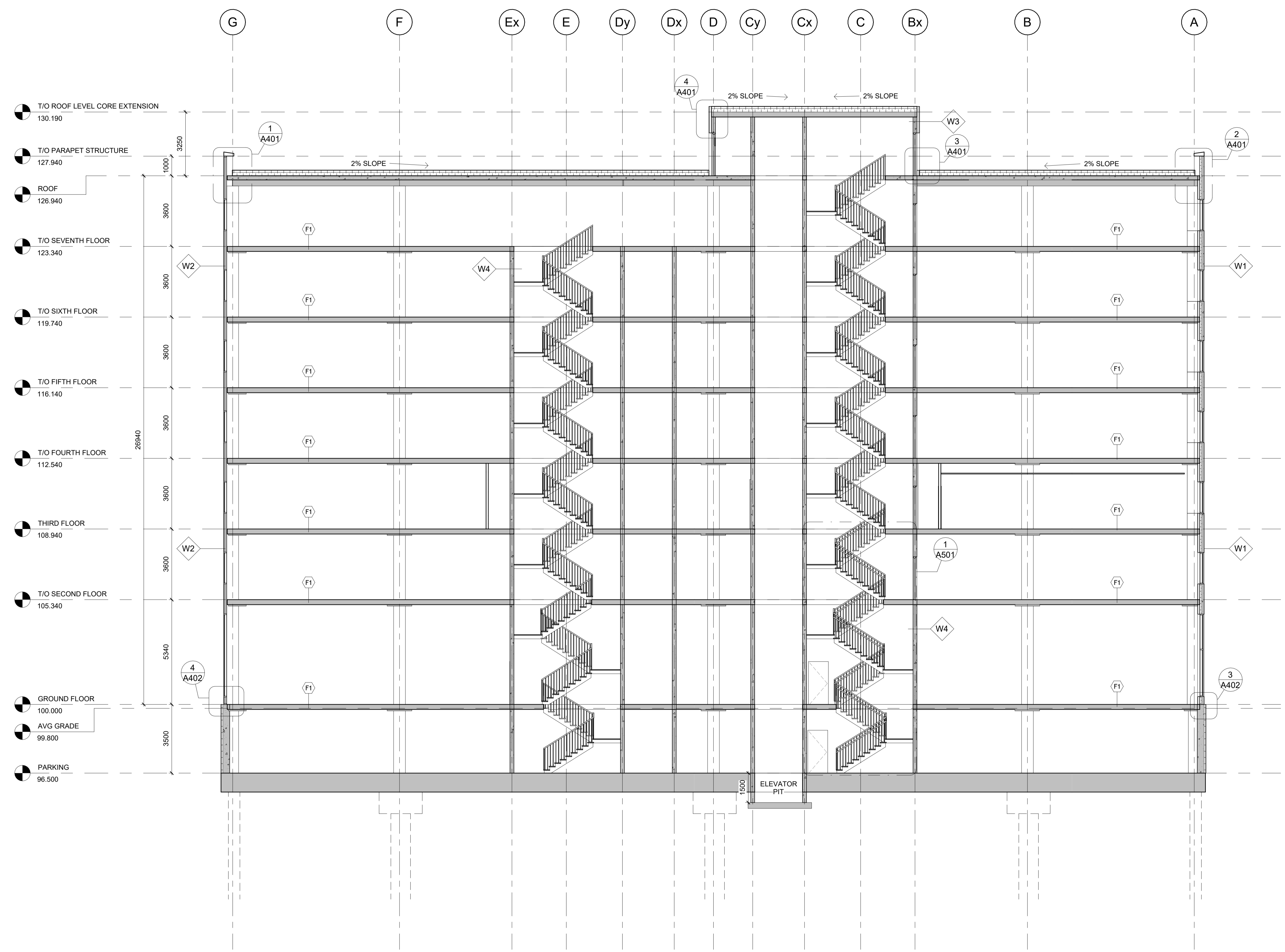
DATE: 10/04/2024

PROJECT NUMBER: WDIV-W24-02

DRAWN BY: JAMIE CHEUNG

SHEET No.:

A201



1 BUILDING SECTION
A-201 1 : 100

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No.	Revision	Date
01	FINAL SUBMISSION	10/04/2024

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WORKING DRAWINGS IV

architectural technician **w24**

PROJECT TITLE:

HYDRO ONE - SOUTHWESTERN ONTARIO REGION ADMINISTRATION BUILDING

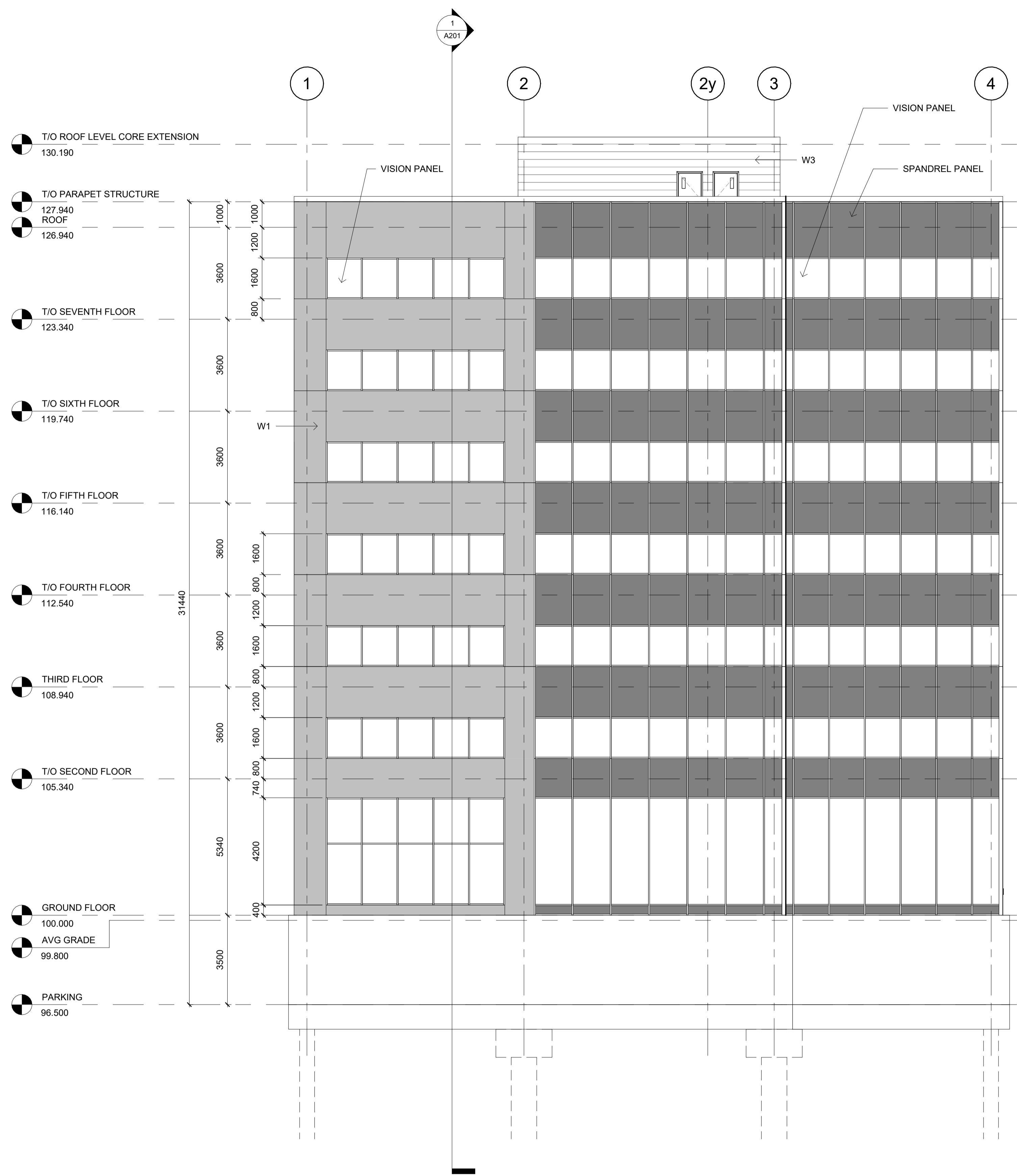
DRAWING TITLE:

WEST & EAST ELEVATION

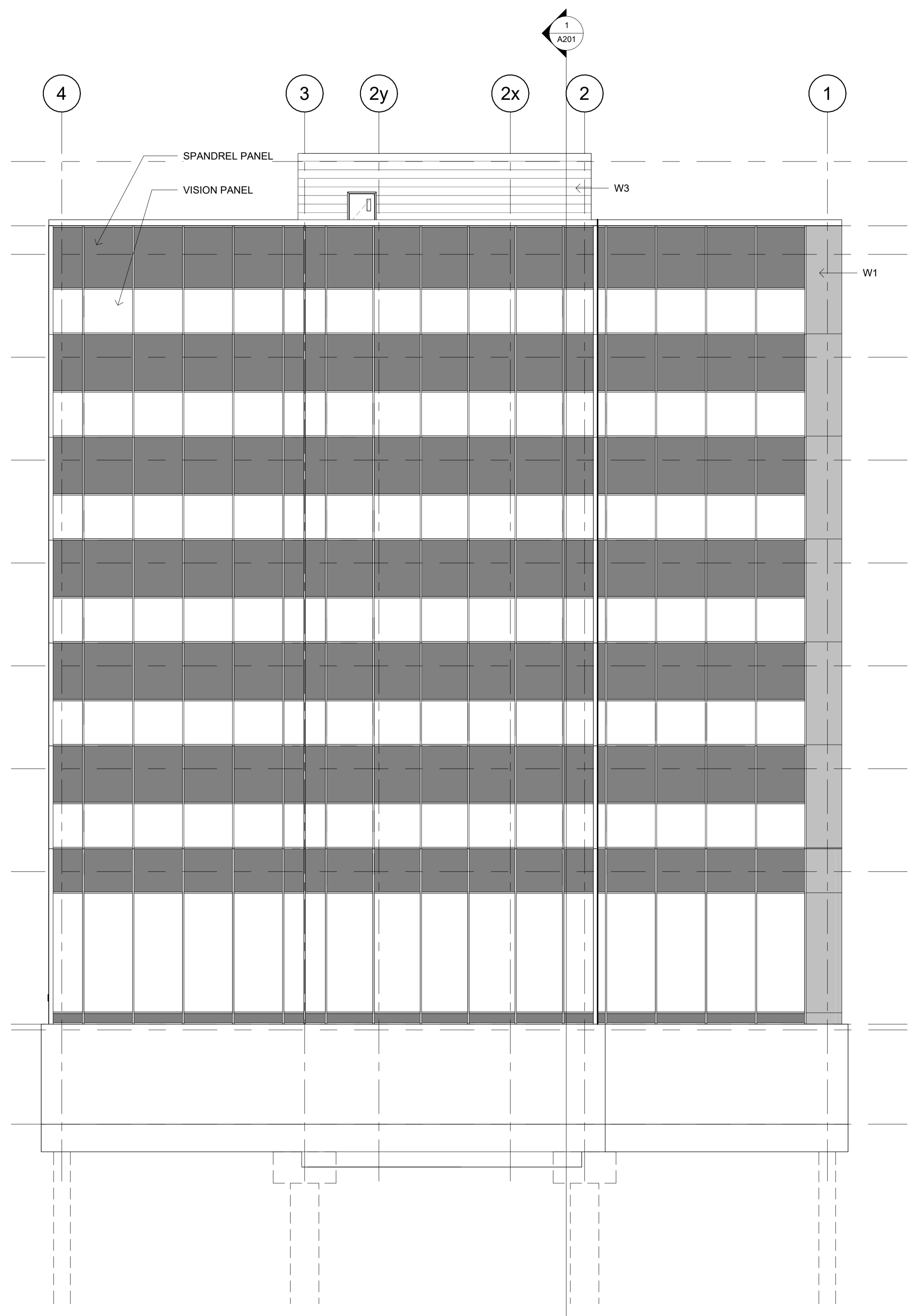
SCALE:	DATE:
1 : 100	10/04/2024
PROJECT NUMBER:	DRAWN BY:
WDIV-W24-02	JAMIE CHEUNG

SHEET No.:

A302



1 West
A-302 1 : 100



2 East
A-302 1 : 100

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architectural technician **w24**

PROJECT TITLE:

HYDRO ONE - SOUTHWESTERN ONTARIO REGION ADMINISTRATION BUILDING

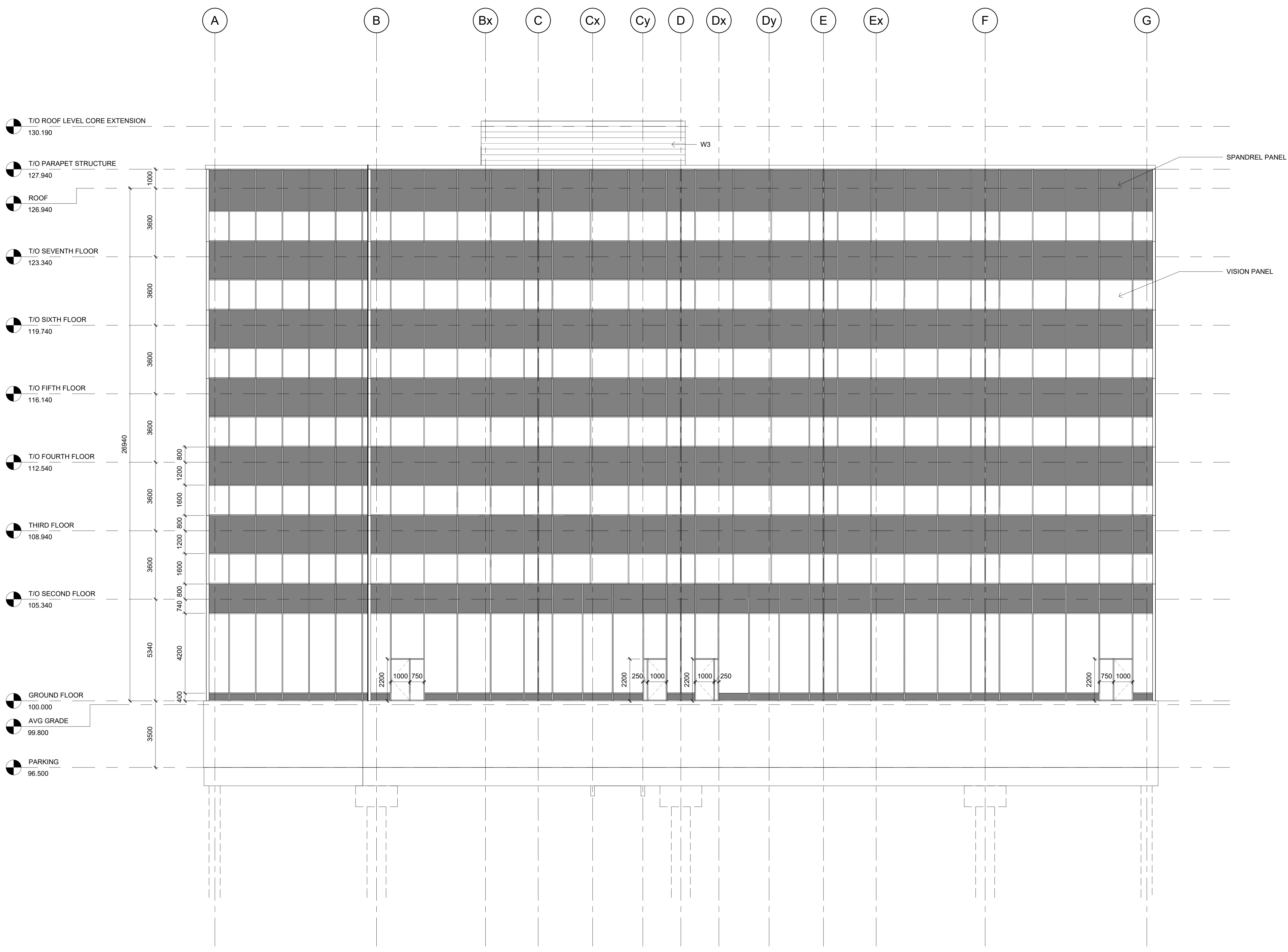
DRAWING TITLE:

SOUTH ELEVATION

SCALE:	DATE:
1 : 100	10/04/2024
PROJECT NUMBER:	DRAWN BY:
WDIV-W24-02	JAMIE CHEUNG

SHEET No.:

A303



1 South
A-303 1 : 100

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No.	Revision	Date
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WORKING DRAWINGS IV
 architectural technician **w24**

PROJECT TITLE:
 HYDRO ONE - SOUTHWESTERN ONTARIO REGION ADMINISTRATION BUILDING

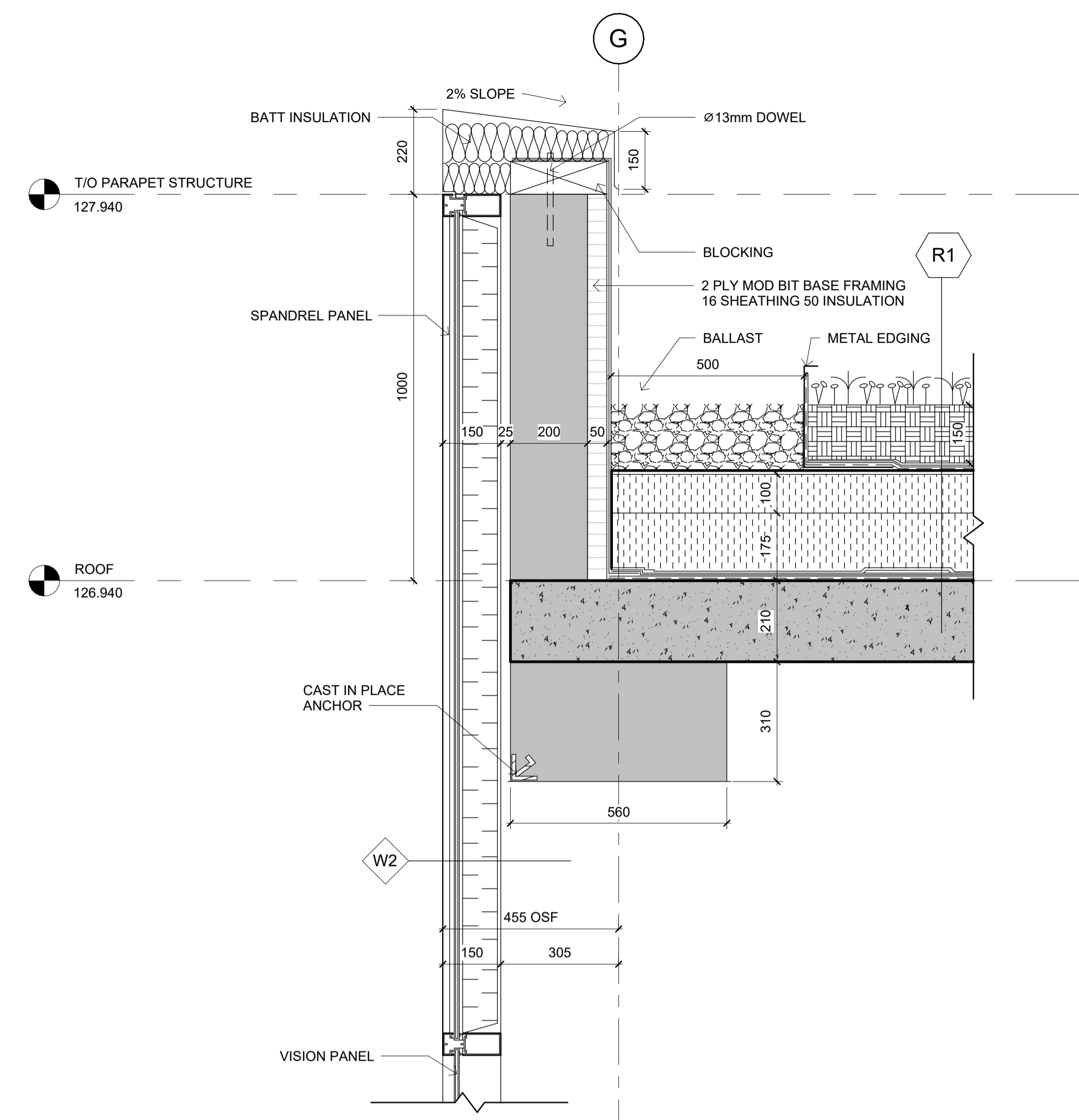
DRAWING TITLE:
 WALL SECTION DETAILS

SCALE: 1 : 10 DATE: 10/04/2024
 PROJECT NUMBER: WDIV-W24-02 DRAWN BY: JAMIE CHEUNG

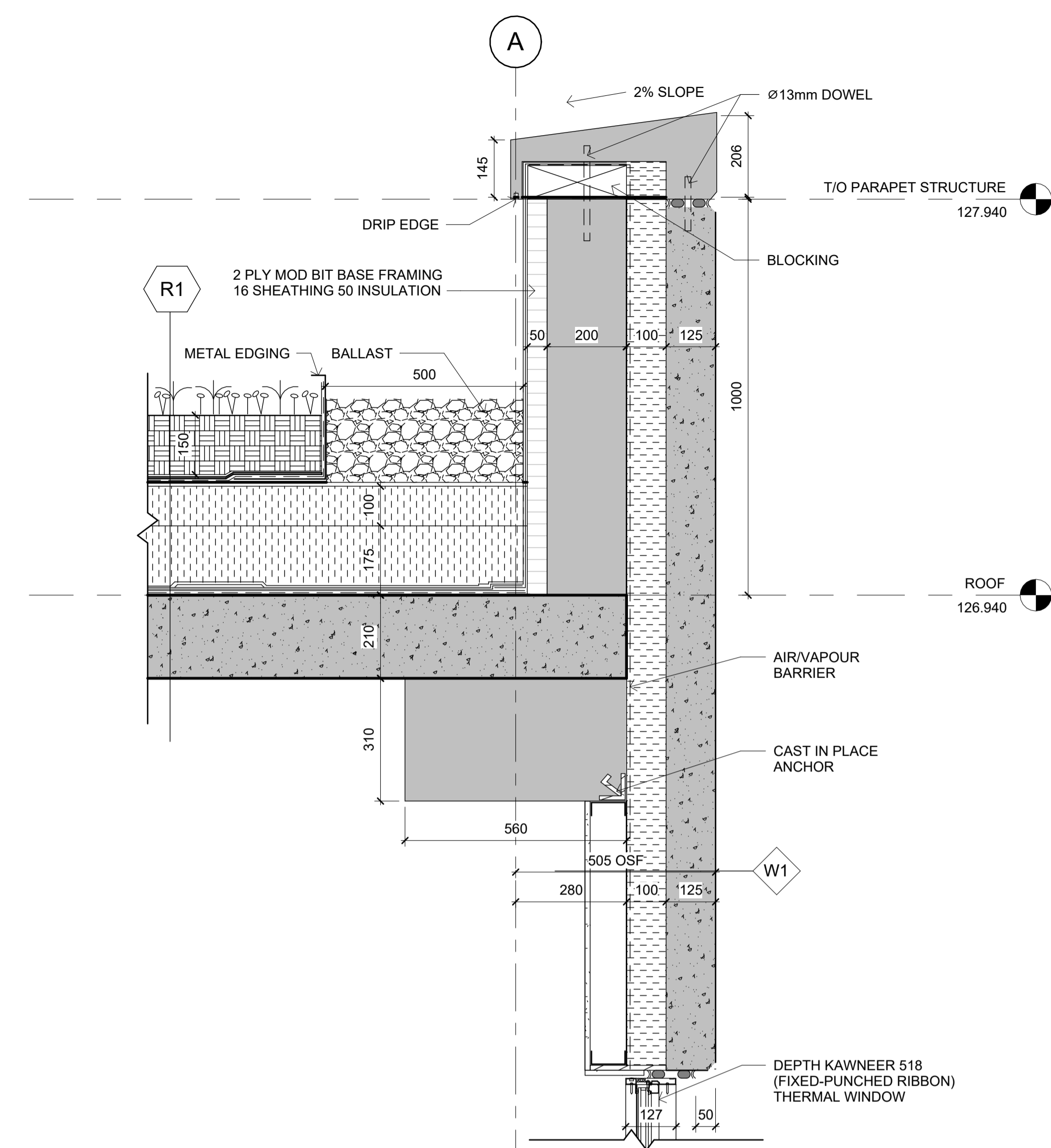
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A401

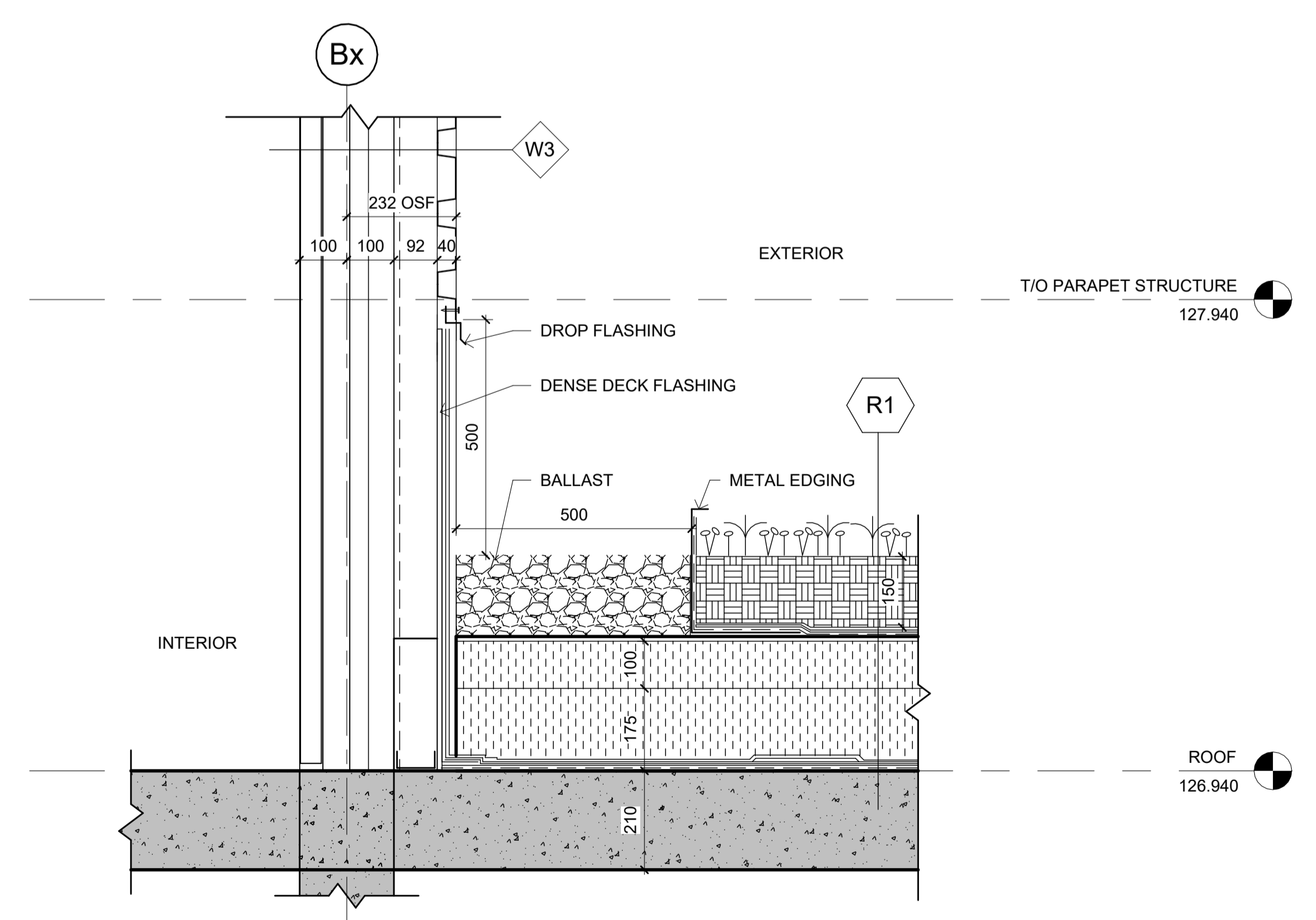
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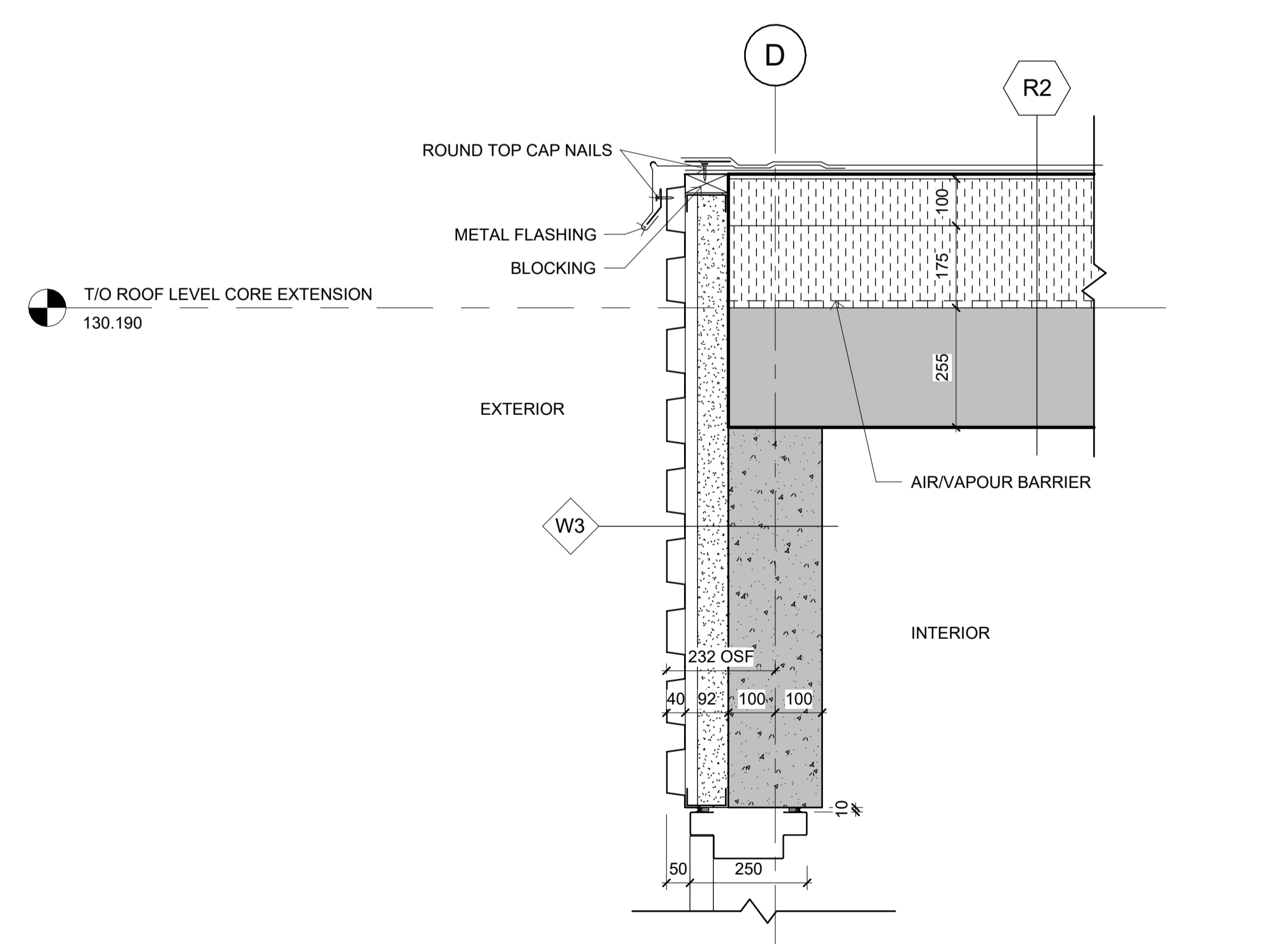
1 PARAPET/ROOF CURTAIN WALL
 A-401 1 : 10



2 PARAPET/ROOF @ PRECAST PANEL
 A-401 1 : 10



3 BASE/ROOF @ METAL SHEET CLADDING CORE EXTENSION
 A-401 1 : 10



4 METAL FASCIA EDGE TERMINATION (ZERO PARAPET) @ CORE EXTENSION
 A-401 1 : 10

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No.	Revision	Date
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WORKING DRAWINGS IV

architectural technician **w24**

PROJECT TITLE:

HYDRO ONE - SOUTHWESTERN ONTARIO REGION ADMINISTRATION BUILDING

DRAWING TITLE:

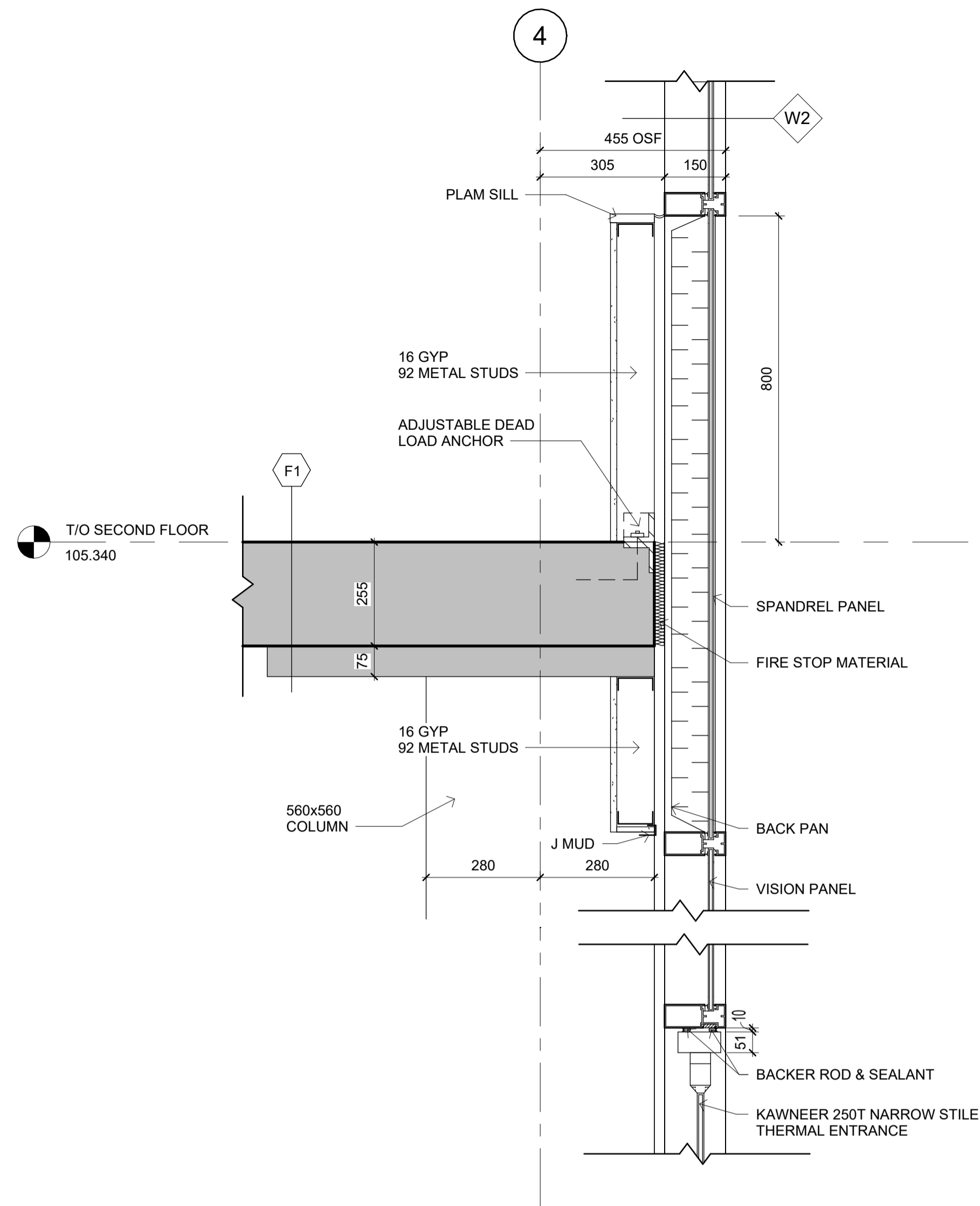
WALL SECTION DETAILS

SCALE: 1 : 10 DATE: 10/04/2024

PROJECT NUMBER: WDIV-W24-02 DRAWN BY: JAMIE CHEUNG

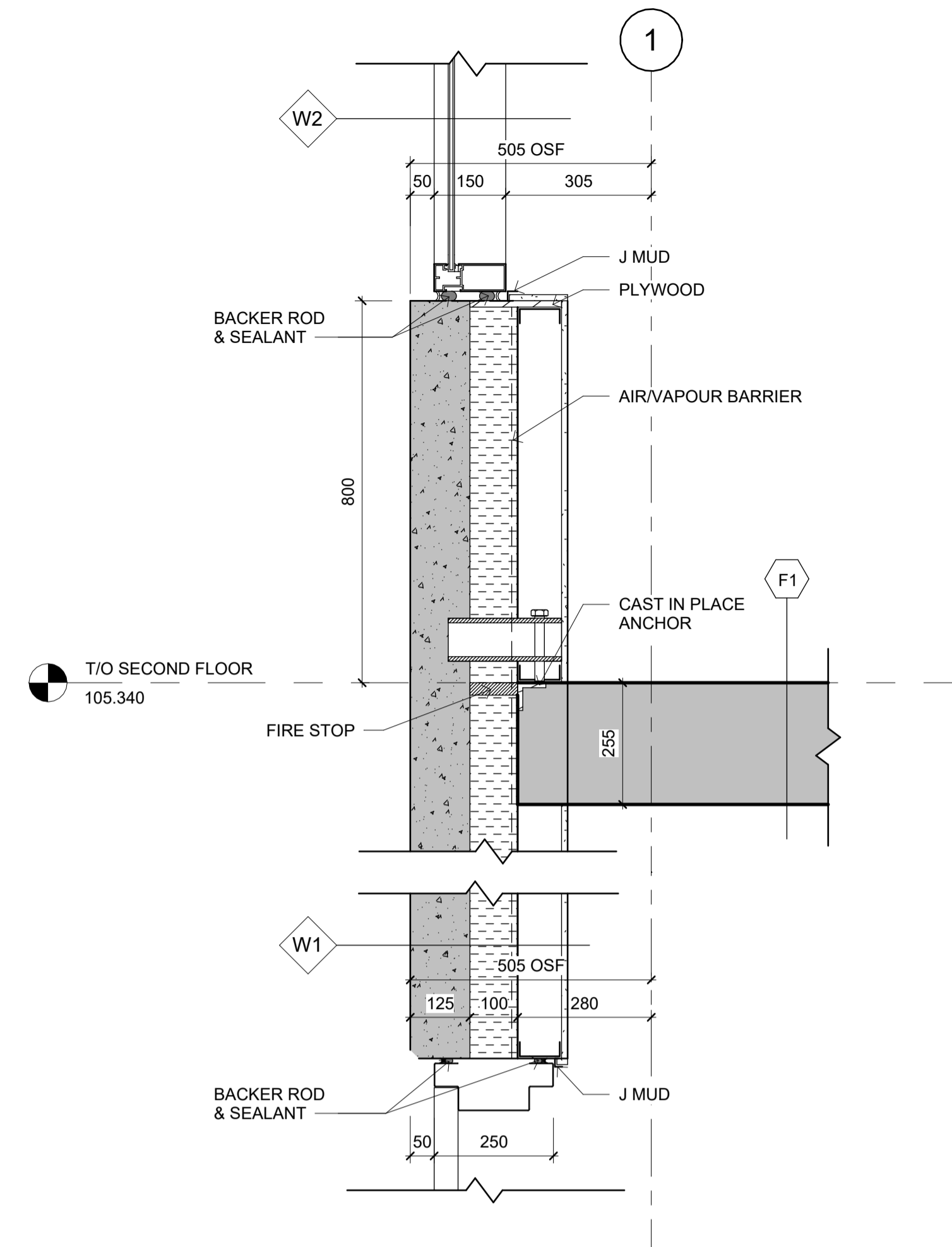
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A402



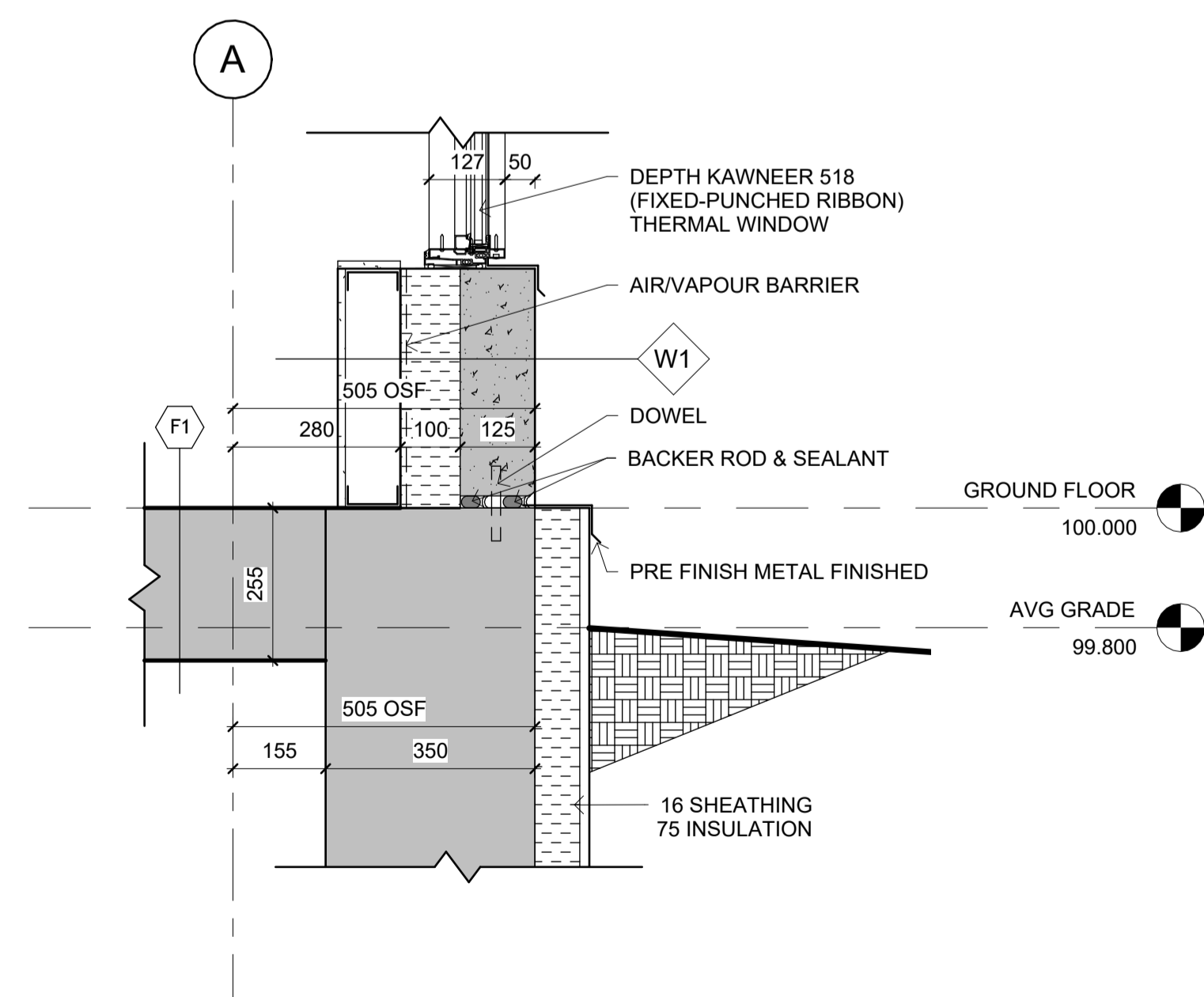
CURTAIN WALL w/ SILL MULLION & DOOR HEAD @SECOND FLOOR

1
A-402 1 : 10



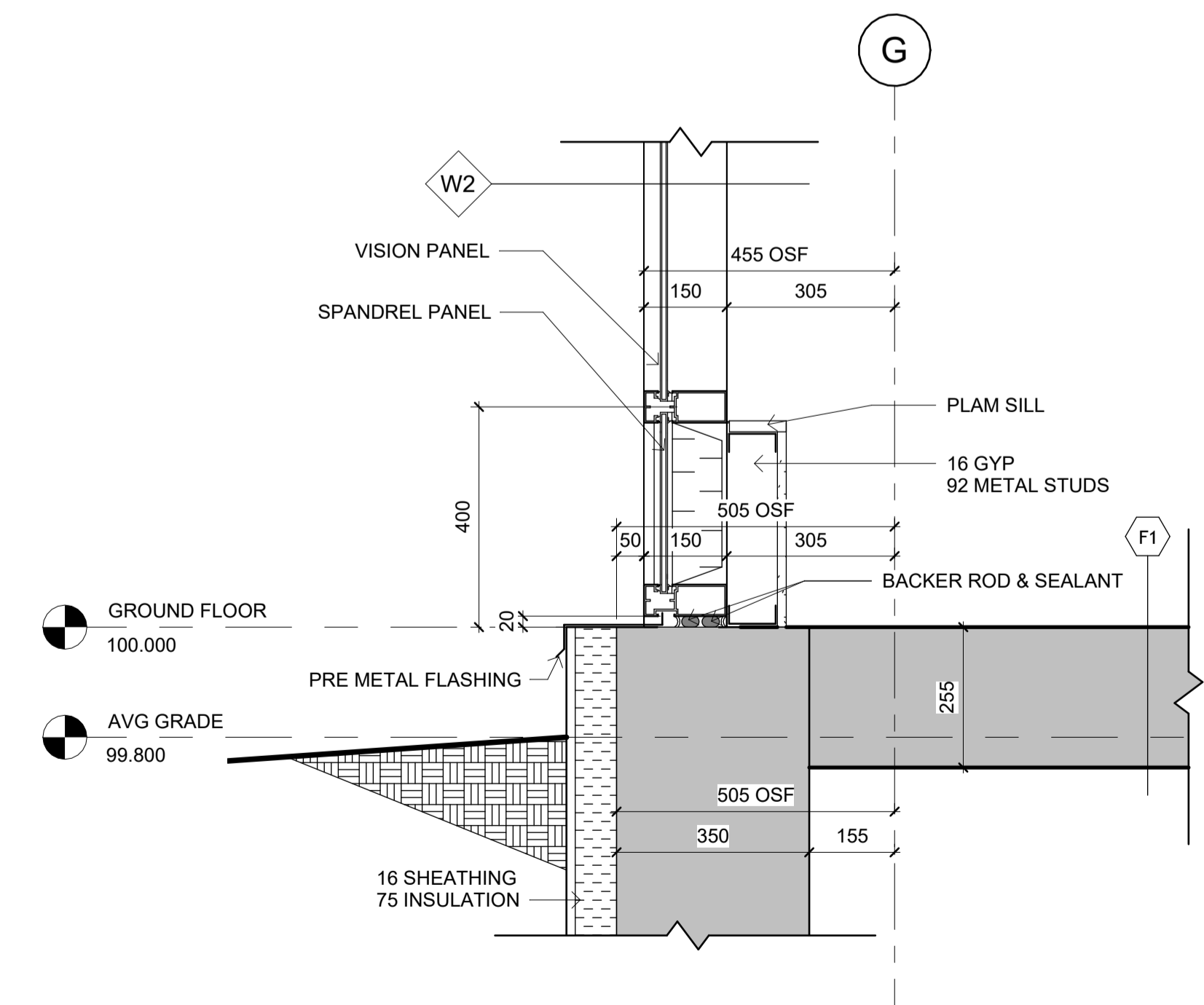
PRECAST PANEL w/ WINDOW SILL & DOOR HEAD @ SECOND FLOOR

2
A-402 1 : 10



BASE/FOUNDATION @PRECAST PANEL

3
A-402 1 : 10



BASE/FOUNDATION @SILL MULLION

4
A-402 1 : 10

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REFER TO DRAWING A-801 CONSTRUCTION ASSEMBLIES, NOTES, LEGENDS, and SCHEDULES

No.	Revision	Date
01	FINAL SUBMISSION	10/04/2024

ALGONQUIN COLLEGE | Algonquin Centre for Construction Excellence

WORKING DRAWINGS IV

architectural technician **w24**

PROJECT TITLE:

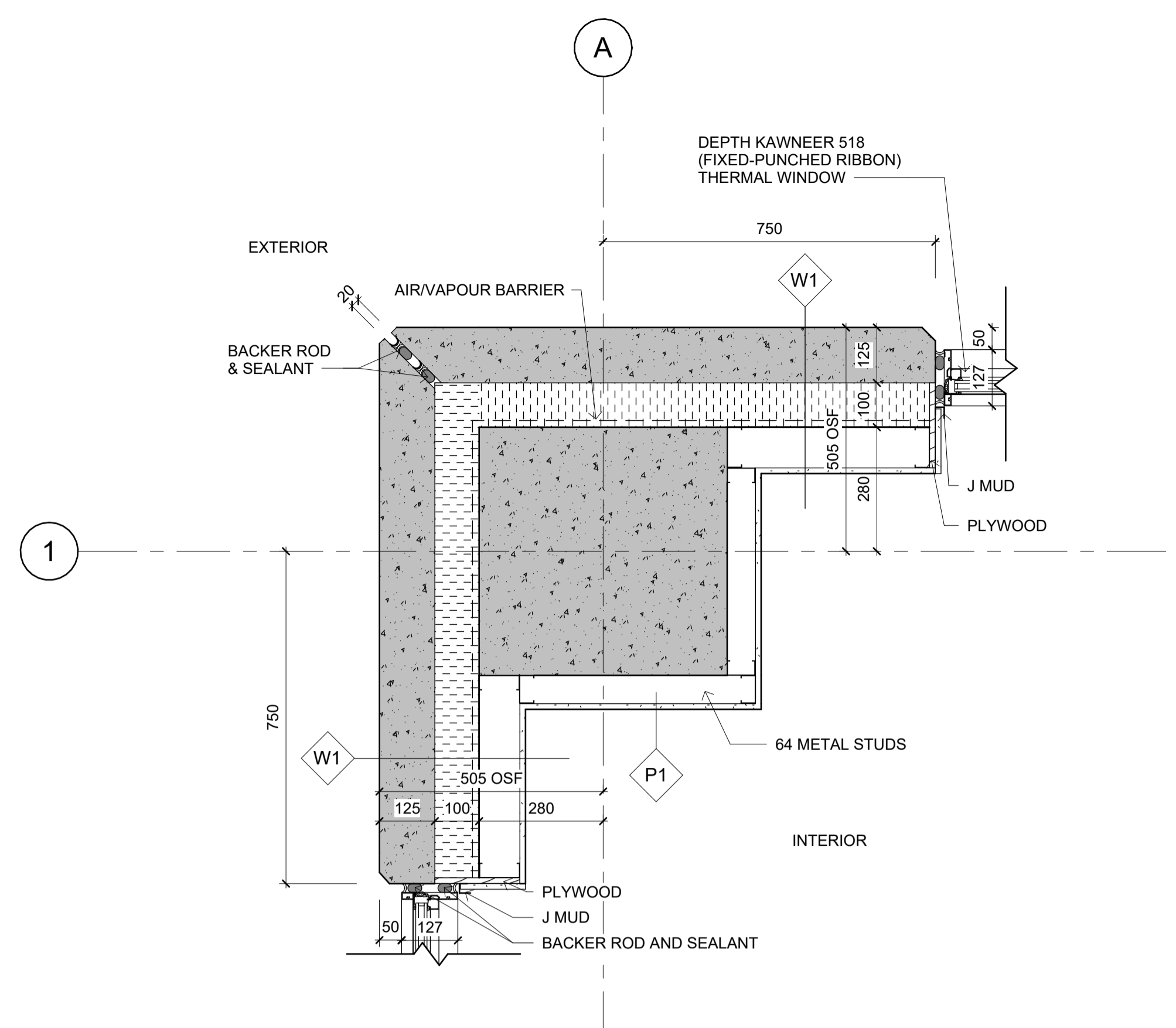
HYDRO ONE - SOUTHWESTERN ONTARIO REGION ADMINISTRATION BUILDING

DRAWING TITLE:

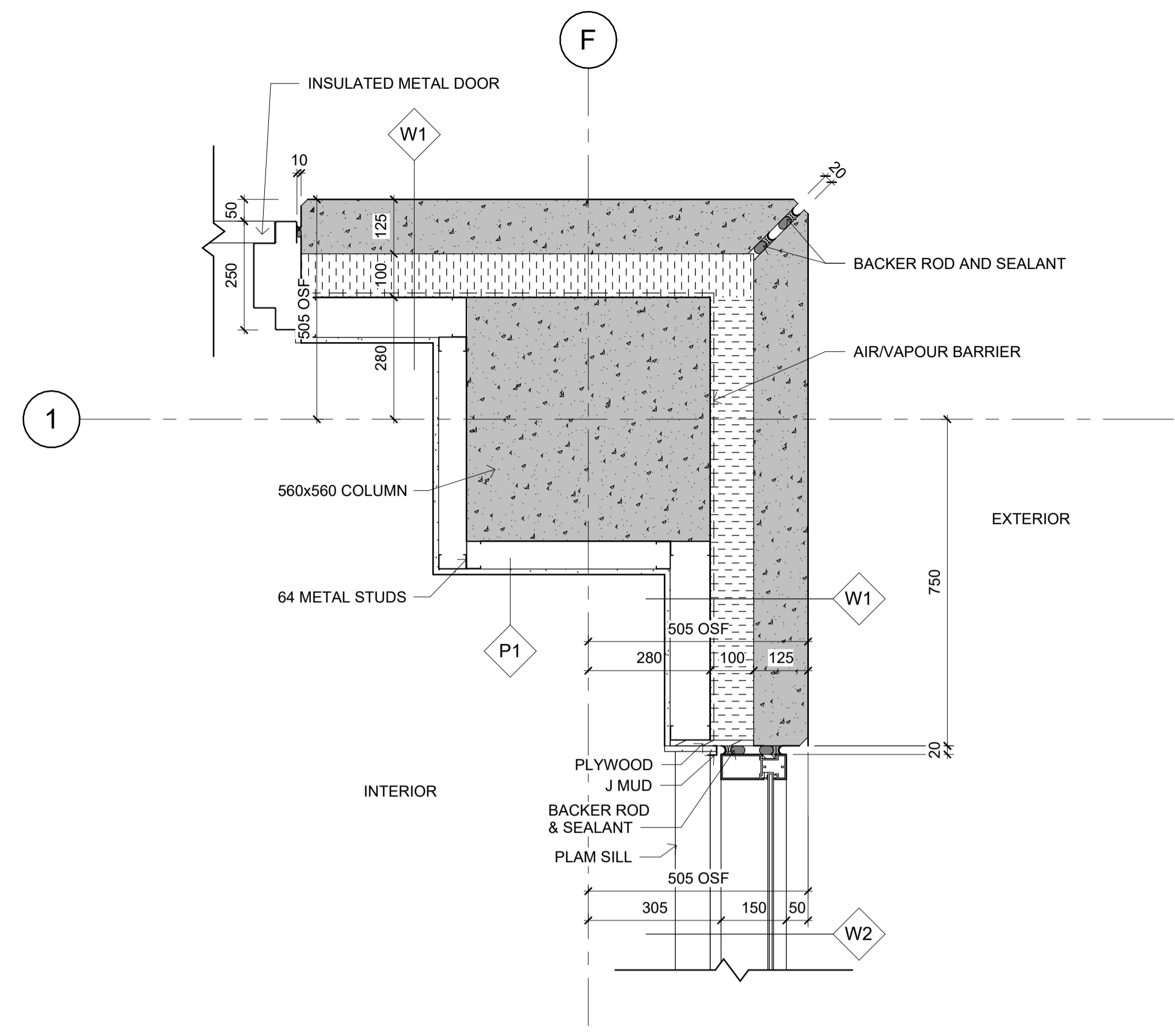
PLAN DETAILS

SCALE:	DATE:
1 : 10	10/04/2024
PROJECT NUMBER:	DRAWN BY:
WDIV-W24-02	JAMIE CHEUNG
SHEET No.:	

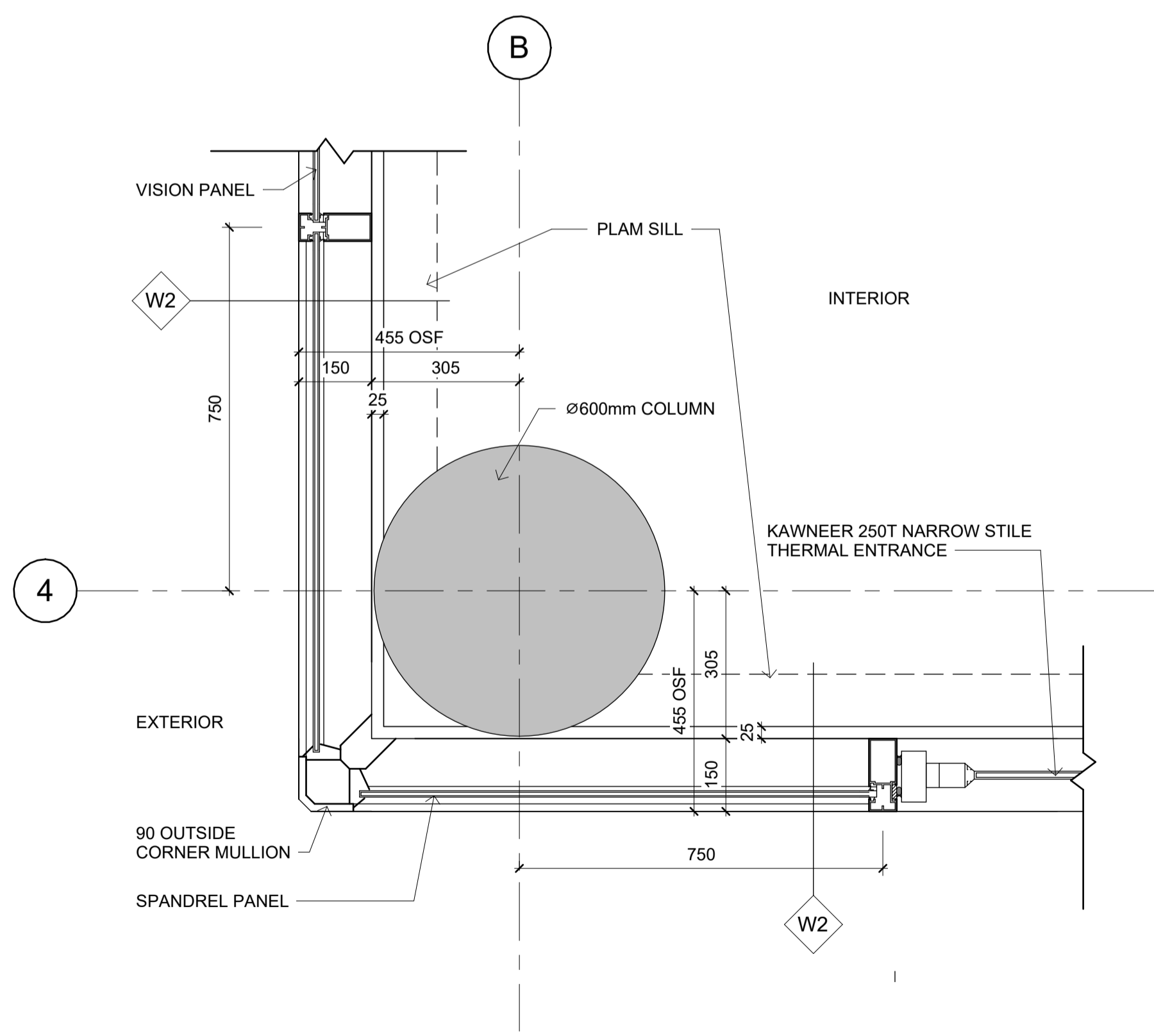
A403



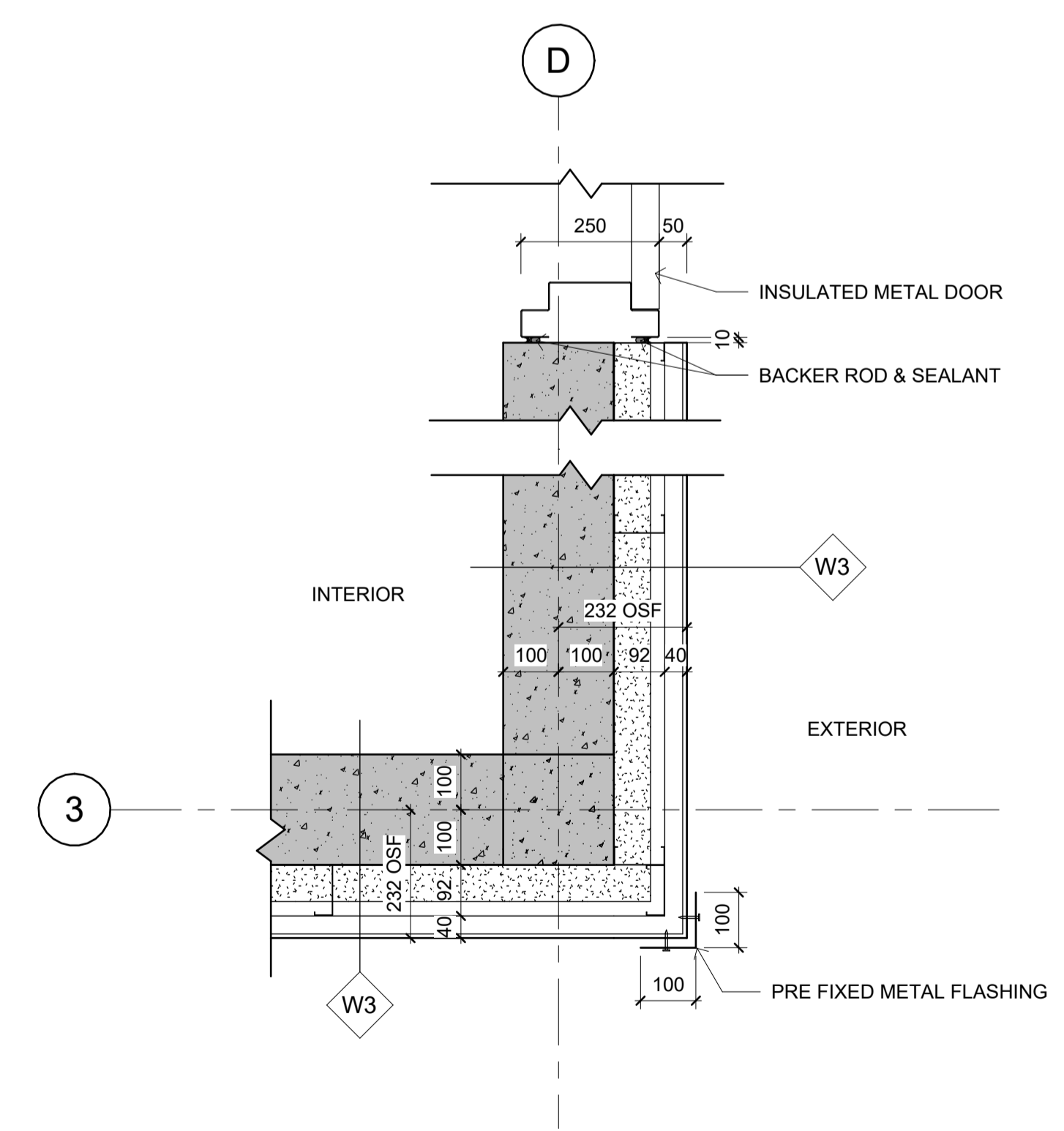
1 PRECAST PANEL SYSTEM OUTSIDE CORNER
A-403 1 : 10



2 PRECAST PANEL AND CURTAIN WALL INTERSECTION
A-403 1 : 10

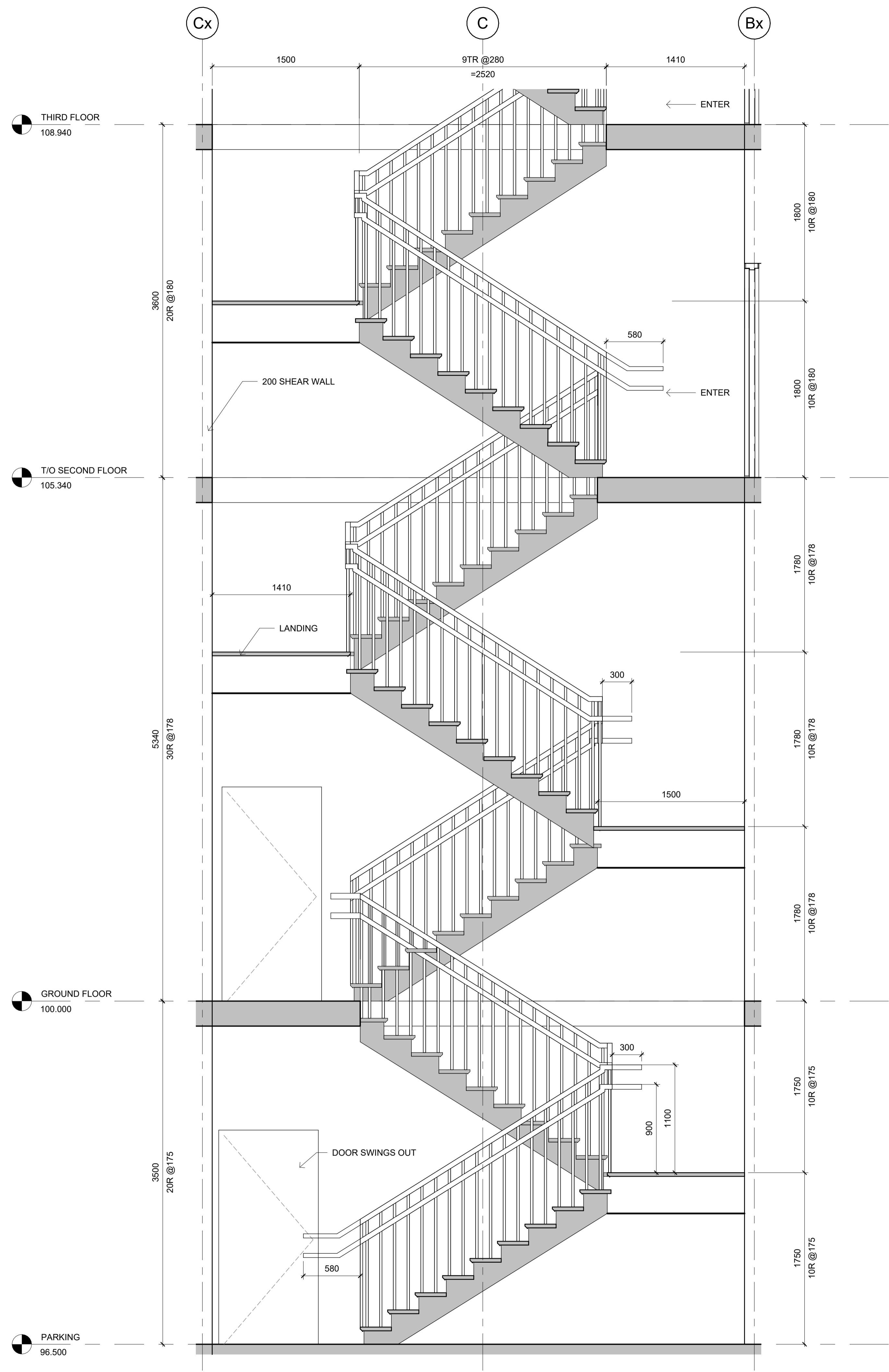


3 CURTAIN WALL 90 OUTSIDE CORNER COLUMN COVER
A-403 1 : 10



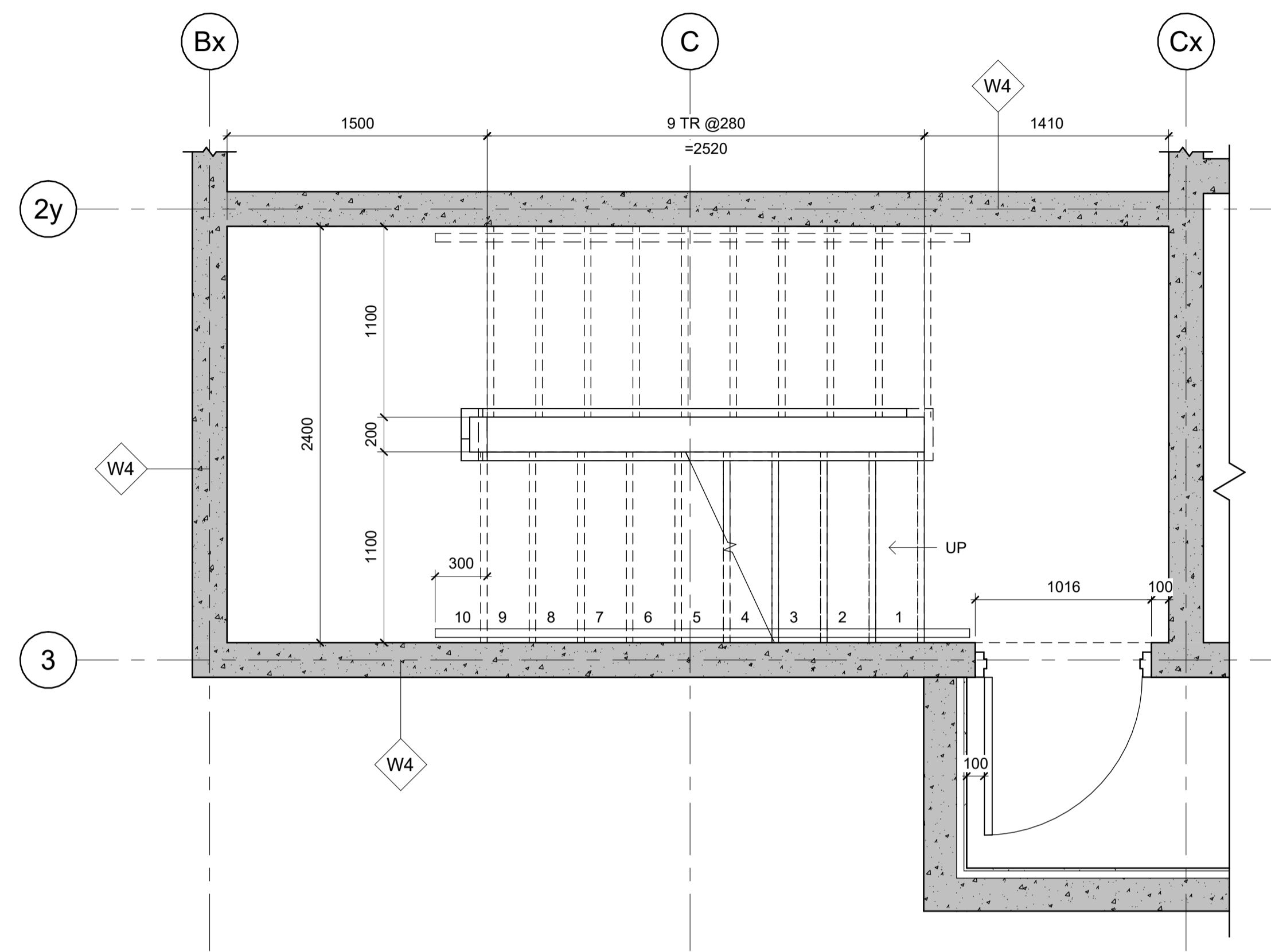
4 METAL SHEET CLADDING STEEL STUD SYSTEM
A-403 1 : 10

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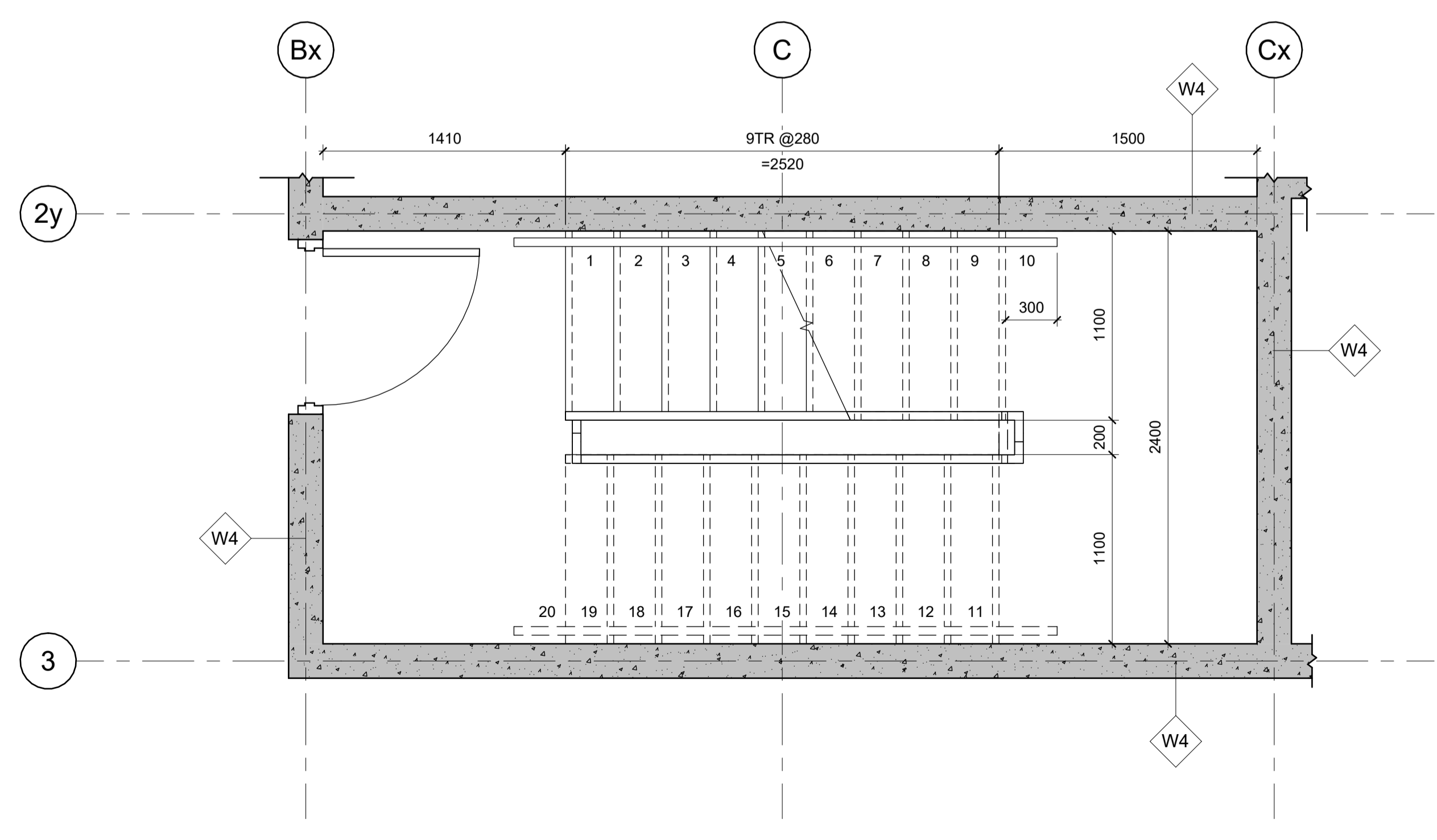


1 STAIR SECTION
A-501 1 : 25

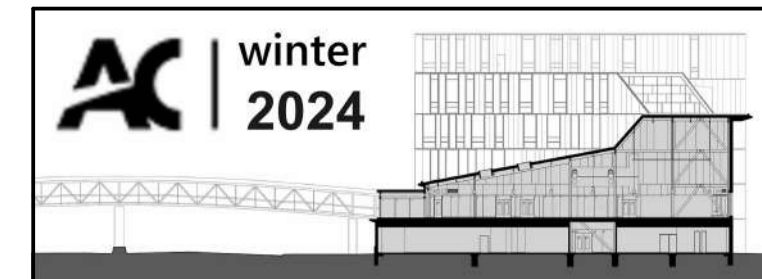
- OBC REFERENCES**
 3.4.3.2(7)(d) - EXIT WIDTH
 3.4.6.3(1) - RISE HEIGHT
 3.4.6.4(1) - LANDING
 3.4.6.12(1)(a) - EXIT DOOR SWING
 3.4.6.5(5) - HANDRAIL
 3.4.6.5(10) - HANDRAIL EXT.
 3.4.6.5(11) - HANDRAIL CLEARANCE
 3.4.6.6(2) - GUARD HEIGHT



2 GROUND FLOOR STAIR PLAN
A-501 1 : 25



3 SECOND FLOOR STAIR PLAN TYP.
A-501 1 : 25



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No.	Revision	Date
01	FINAL SUBMISSION	10/04/2024

ALGONQUIN COLLEGE | Algonquin Centre for Construction Excellence
WORKING DRAWINGS IV
 architectural technician **w24**

PROJECT TITLE:
 HYDRO ONE - SOUTHWESTERN ONTARIO REGION ADMINISTRATION BUILDING

DRAWING TITLE:
 STAIR PLANS

SCALE: 1 : 25 DATE: 10/04/2024
 PROJECT NUMBER: WDIV-W24-02 DRAWN BY: JAMIE CHEUNG

SHEET No.:
A501

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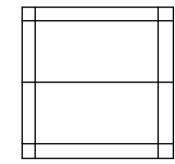
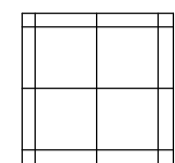
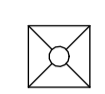

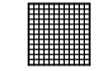
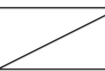
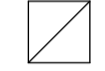





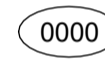
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RCP LEGEND

-  1220x610 SUSPENDED CEILING SYSTEM
-  610x610 SUSPENDED CEILING SYSTEM
-  610x610 SUPPLY DUFFUSER
-  1220x150 SUPPLY LINEAR DIFFUSER
-  610x610 RETURN AIR GRILLE
-  1220x610 LED LIGHT FIXTURE
-  610x610 LED LIGHT FIXTURE
-  EXIT EXIT SIGN
-  100 ROUND LED RECESSED LIGHTING
-  SPRINKLER HEAD (LIGHT HAZARD DESIGN AREA max. 20.9m²)
-  SMOKE/HEAT SENSOR
-  610x610 METAL ACCESS HATCH
-  CEILING HEIGHT



01	FINAL SUBMISSION	10/04/2024
No.	Revision	Date

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WORKING DRAWINGS IV

architectural technician **w24**

PROJECT TITLE:

HYDRO ONE - SOUTHWESTERN ONTARIO REGION ADMINISTRATION BUILDING

DRAWING TITLE:

REFLECTED CEILING PLAN

SCALE:	DATE:
1 : 75	10/04/2024
PROJECT NUMBER:	DRAWN BY:
WDIV-W24-02	JAMIE CHEUNG

SHEET No.:

A601

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No.	Revision	Date
01	FINAL SUBMISSION	10/04/2024

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WORKING DRAWINGS IV
 architectural technician **w24**

PROJECT TITLE:

HYDRO ONE - SOUTHWESTERN ONTARIO REGION ADMINISTRATION BUILDING

DRAWING TITLE:

WASHROOM PLAN

SCALE: 1 : 25 DATE: 10/04/2024

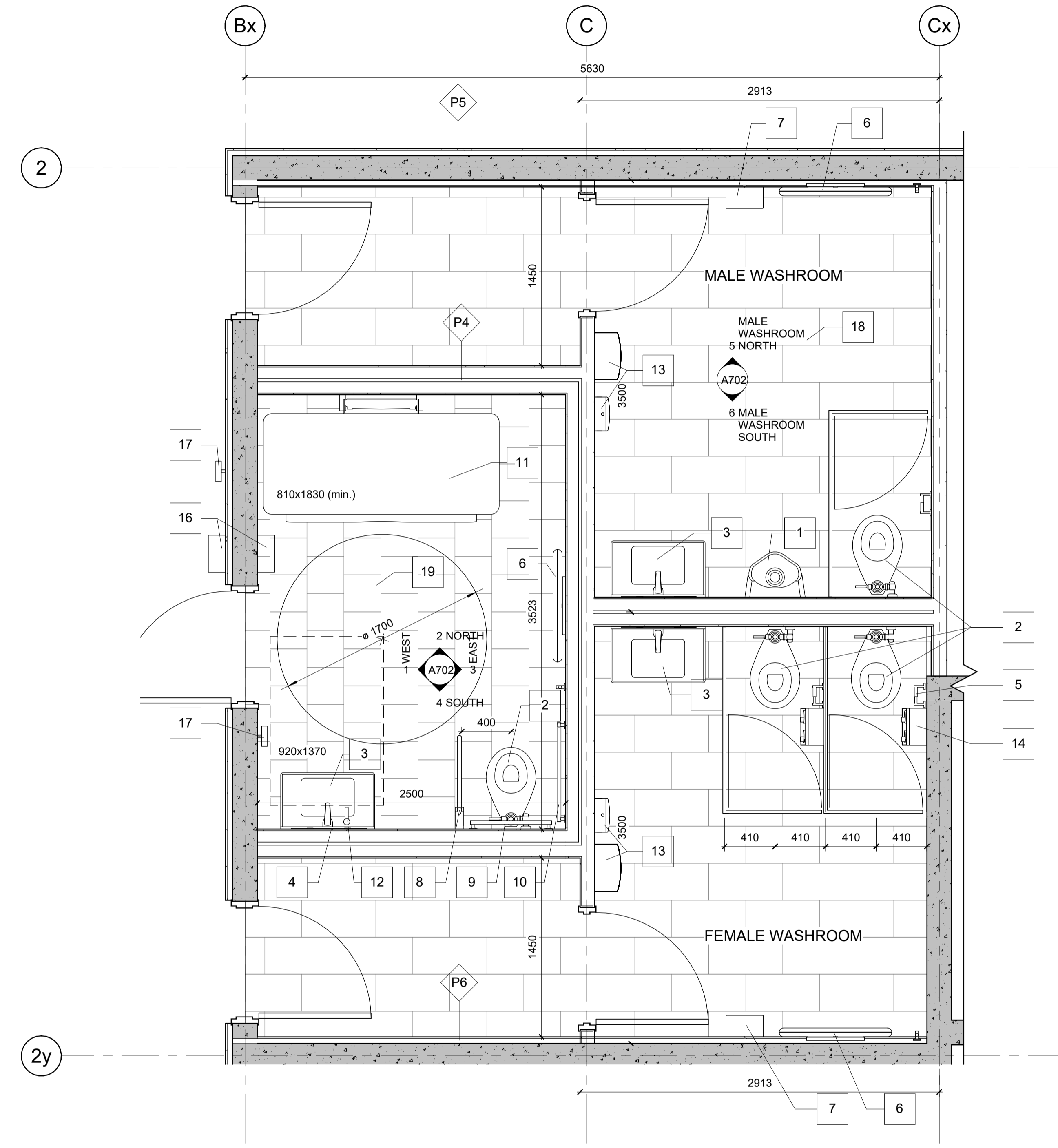
PROJECT NUMBER: WDIV-W24-02 DRAWN BY: JAMIE CHEUNG

SHEET No.:

A701

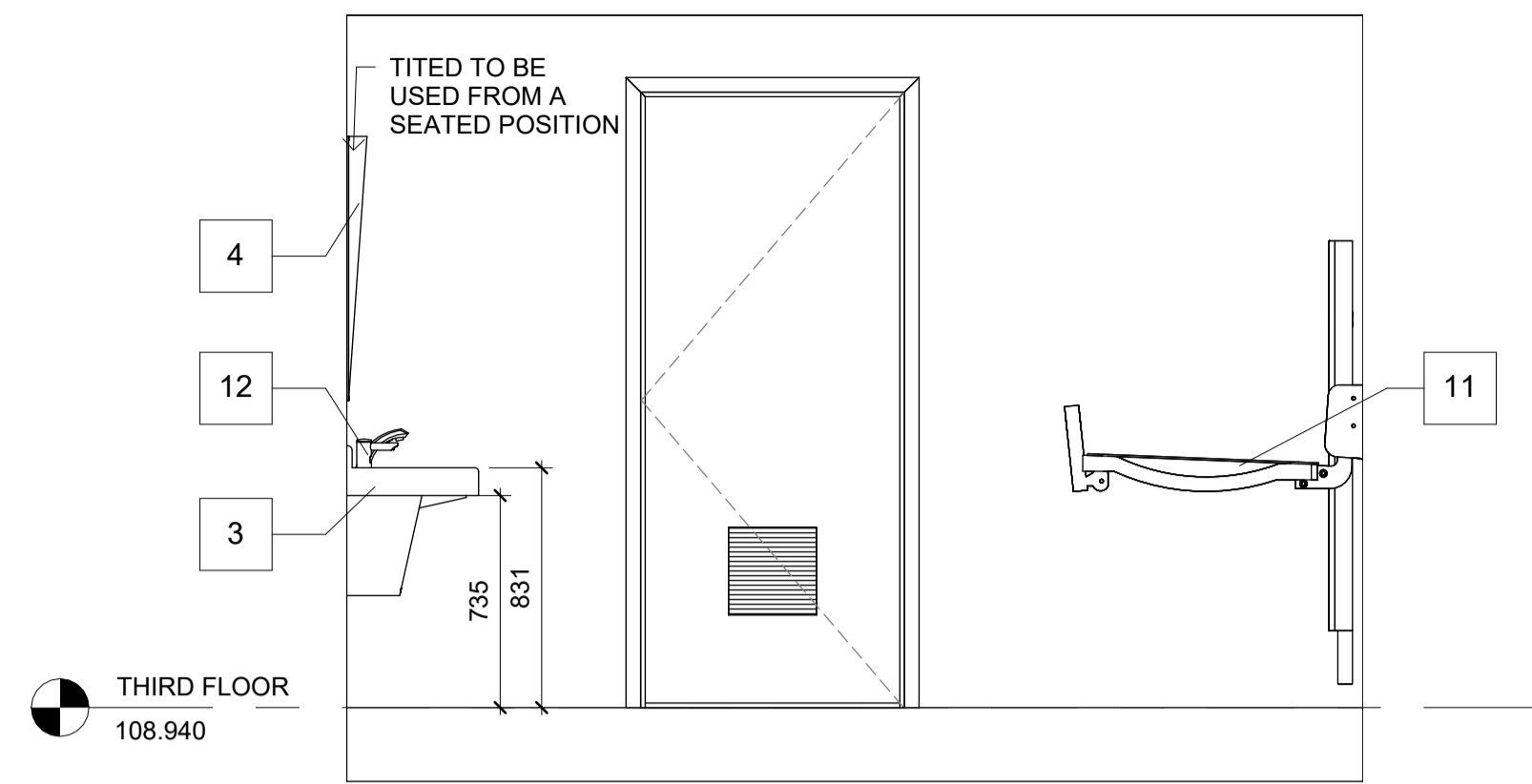
LEGEND

1. HYBRID UNRINAL
2. WATER CLOSET
3. LAVATORY
4. MIRROR
5. TOILET PAPER
6. BABY CHANGE TABLE
7. HAND DRYER
8. GRAB RAIL
9. 600 GRAB BAR
10. 750 x 750 L SHAPED GRAB BAR
11. ADULT CHANGE TABLE
12. SOAP DISPENSER
13. PAPER TOWEL DISPENSER AND GARBAGE
14. SANITARY NAPKIN GARBAGE RECEPTACLE
15. EMERGENCY CALL SYSTEM
16. VISUAL AND AUDIBLE ALARM SIGNAL INSIDE AND OUTSIDE WASHROOM
17. POWER DOOR OPERATER CONTROL
18. 600x300 PORCELAIN TILE; PATTERN: RUNNING BOND
19. 300x300 PORCELAIN TILE; PATTERN: RUNNING BOND
20. BASEBOARD 300x100 PORCELAIN TILE

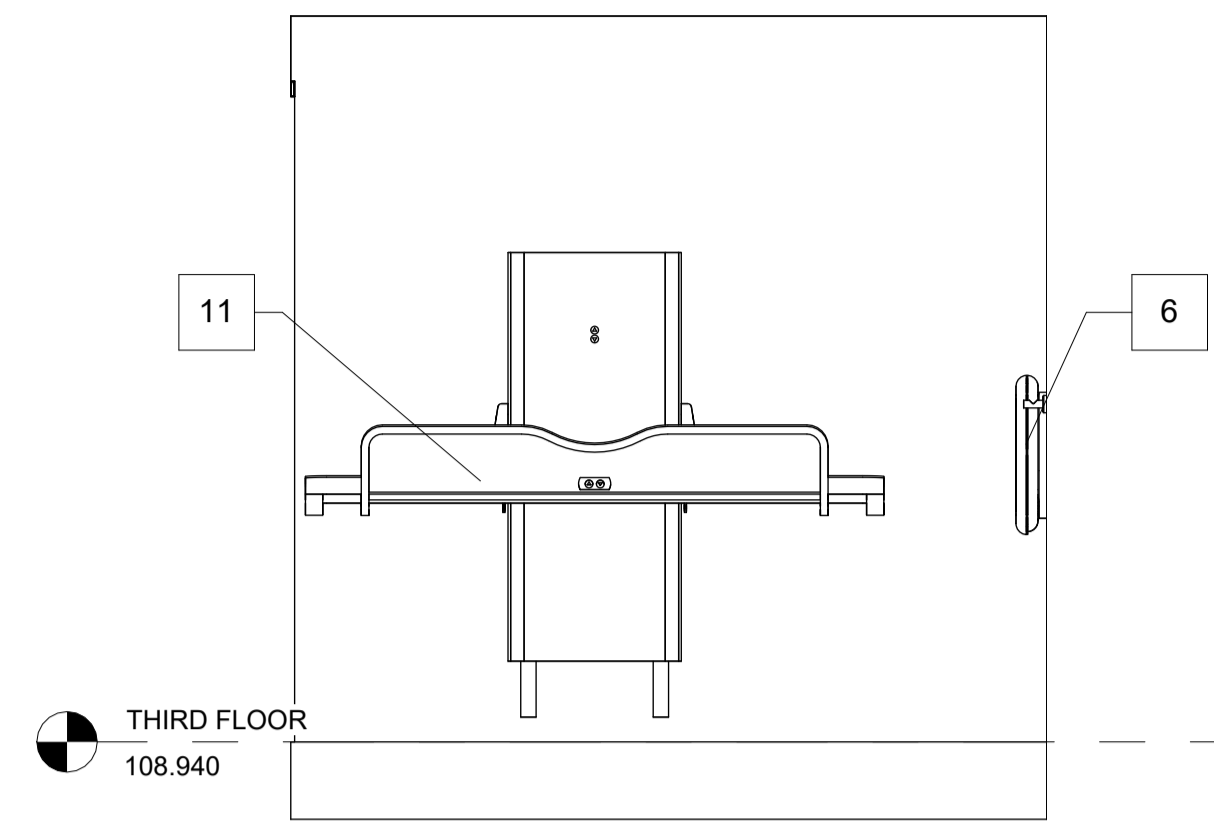


1 WASHROOM PLAN
 A-701 1 : 25

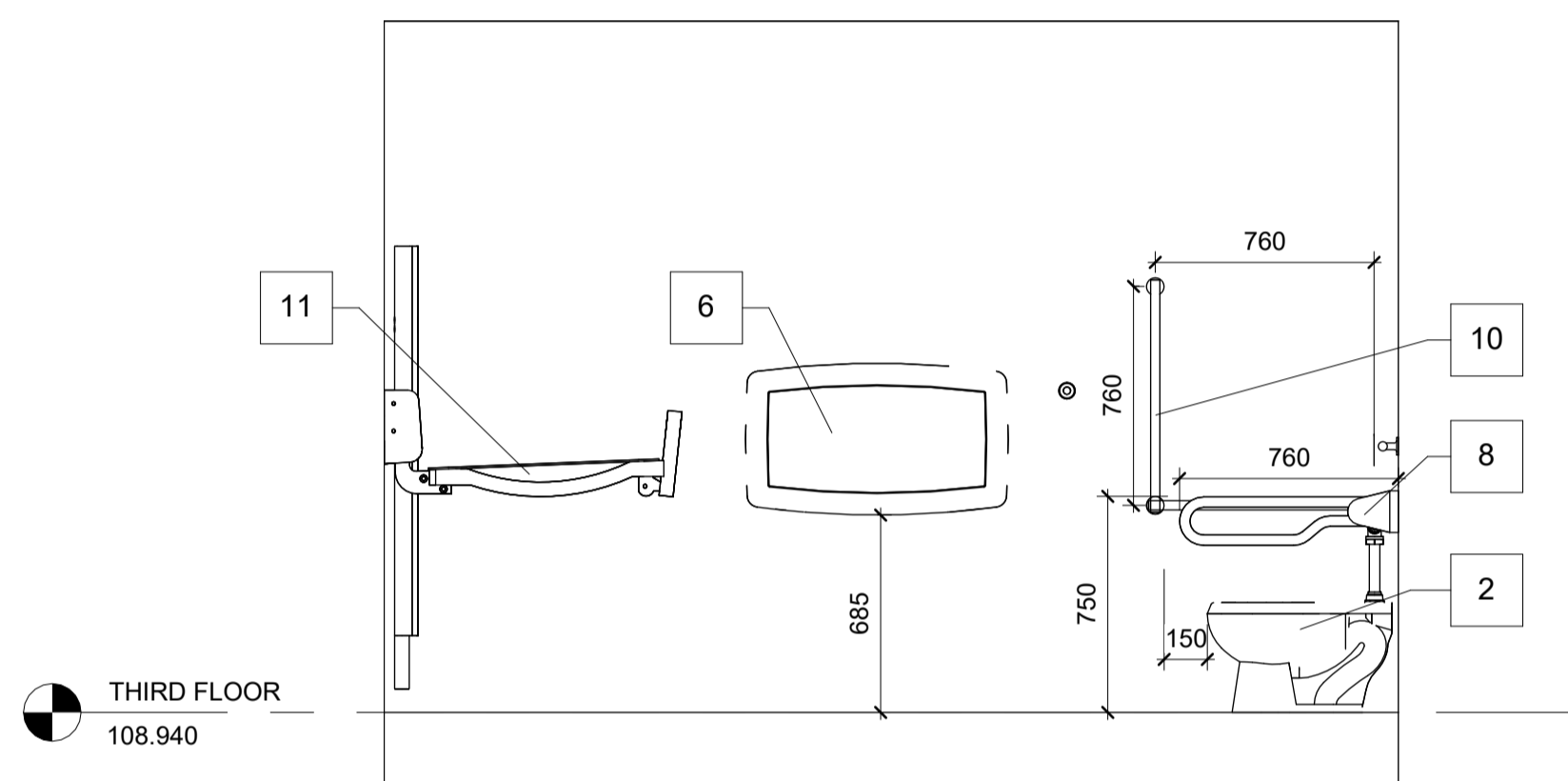
UNIVERSAL WASHROOM ELEVATIONS



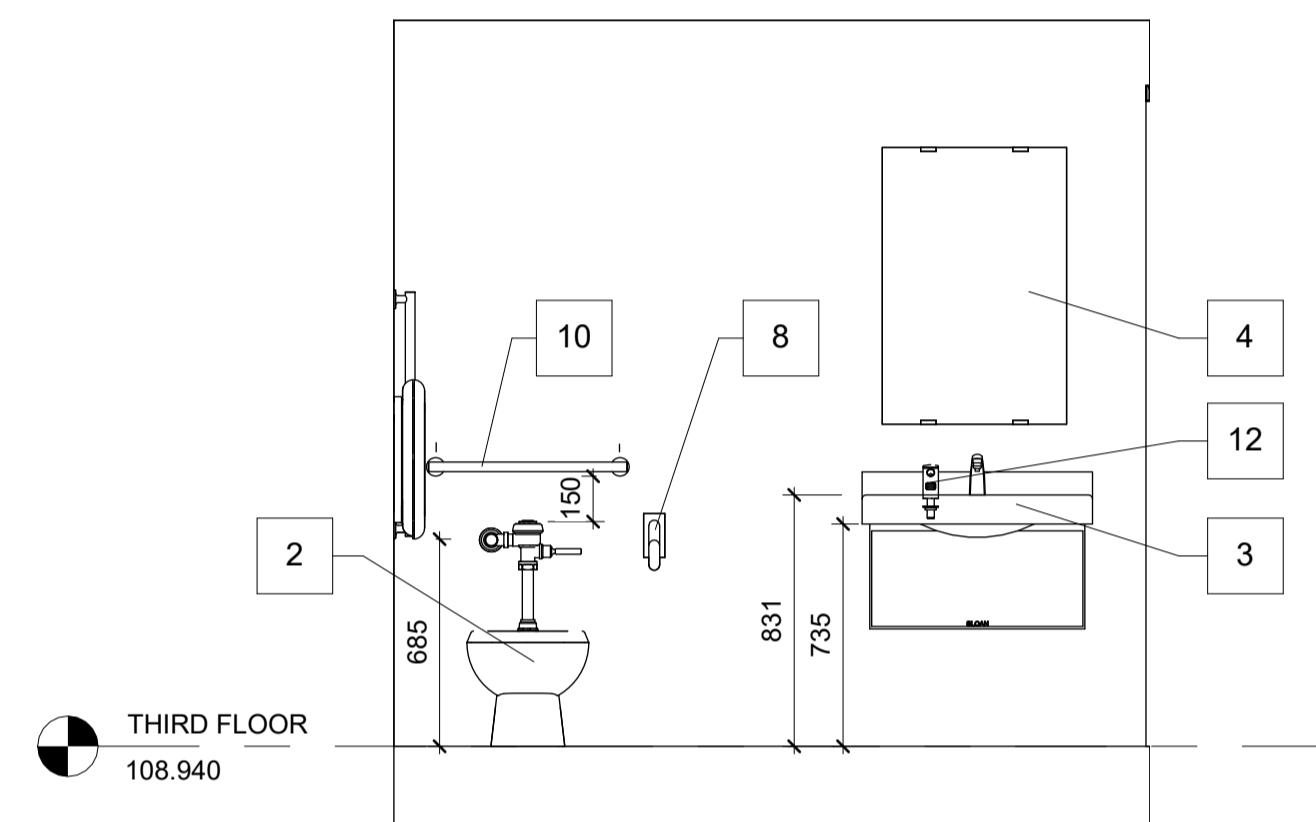
1 WEST
A-702 1 : 25



2 NORTH
A-702 1 : 25



3 EAST
A-702 1 : 25



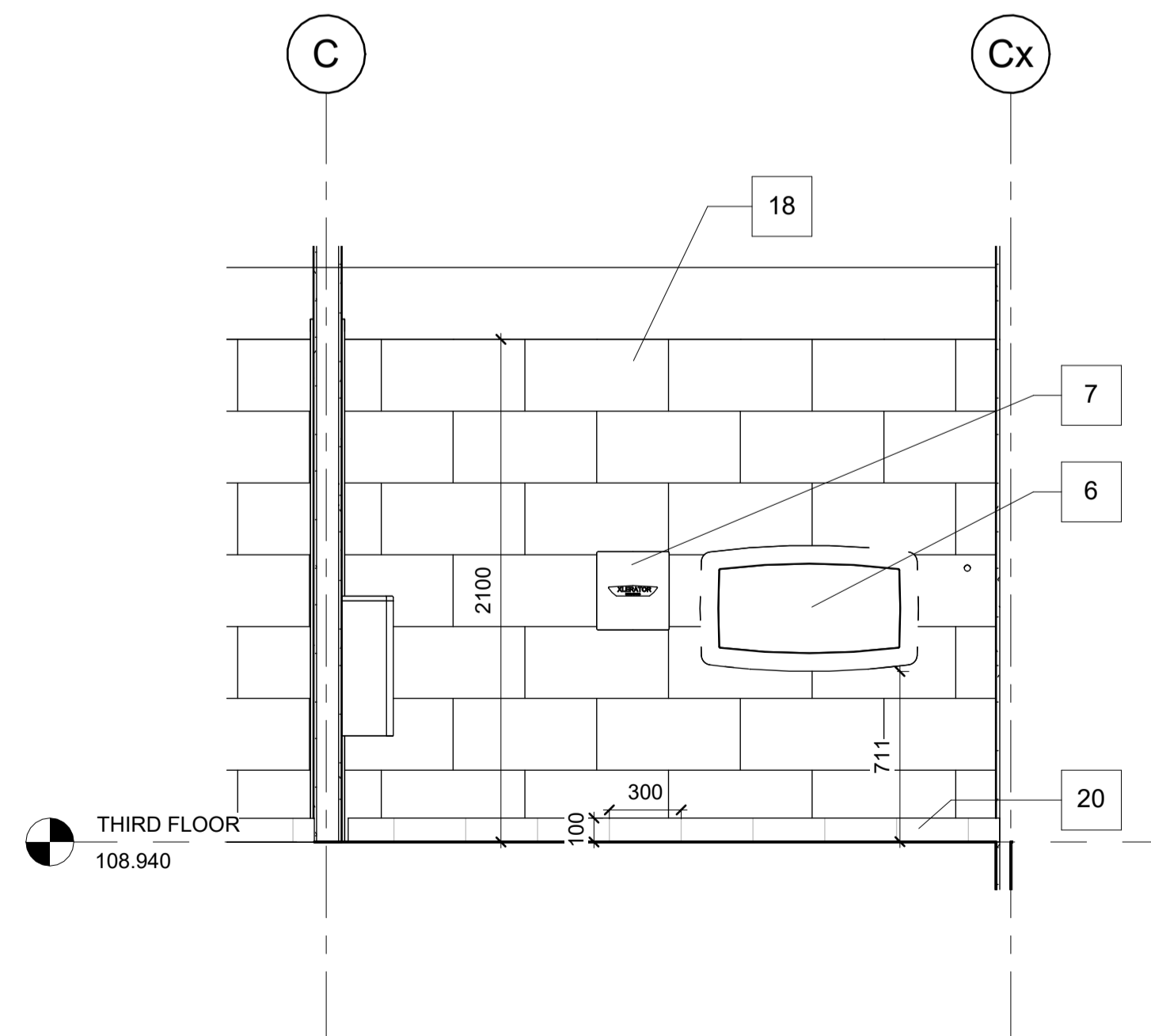
4 SOUTH
A-702 1 : 25

LEGEND

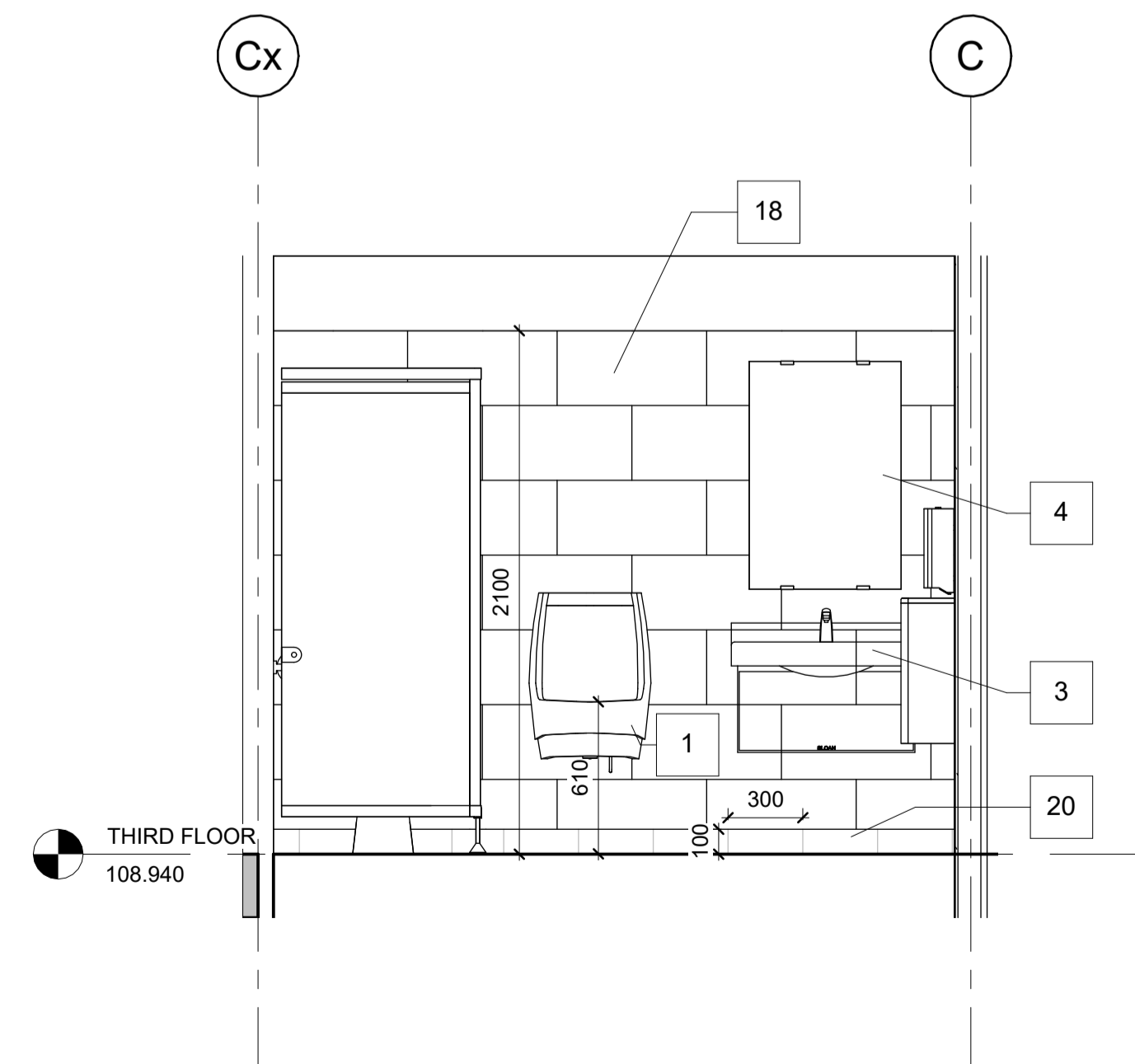
1. HYBRID UNRINAL
2. WATER CLOSET
3. LAVATORY
4. MIRROR
5. TOILET PAPER
6. BABY CHANGE TABLE
7. HAND DRYER
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17. POWER DOOR OPERATER CONTROL

18. 600x300 PORCELAIN TILE; PATTERN: RUNNING BOND
19. 300x300 PORCELAIN TILE; PATTERN: RUNNING BOND
20. BASEBOARD 300x100 PORCELAIN TILE

MALE WASHROOM ELEVATIONS



5 MALE WASHROOM NORTH
A-702 1 : 25



6 MALE WASHROOM SOUTH
A-702 1 : 25

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01	FINAL SUBMISSION	10/04/2024

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WORKING DRAWINGS IV

architectural technician **w24**

PROJECT TITLE:
HYDRO ONE - SOUTHWESTERN ONTARIO REGION ADMINISTRATION BUILDING

DRAWING TITLE:
WASHROOM ELEVATIONS

SCALE: 1 : 25 DATE: 10/04/2024

PROJECT NUMBER: WDIV-W24-02 DRAWN BY: JAMIE CHEUNG

SHEET No.: **A702**

