

NEW HYDROGEN GENERATION (HOGEN) & BALLOON LAUNCHING BUILDING

6248 8TH LINE, EGBERT, ONTARIO L0L 1N0

PROJECT NUMBER: R.071909.001

DRAWING LIST

ARCHITECTURAL:

A001	COVER PAGE
010	SURVEY
A100	WALL TYPES AND GENERAL NOTES
A200	HOGEN - PLANS
A300	HOGEN - REFLECTED CEILING PLANS
A400	HOGEN - ELEVATIONS
A500	HOGEN - SECTIONS
A600	HOGEN - DETAILS
A601	HOGEN - DETAILS
A800	INTERIOR ELEVATIONS
A900	DOOR / WINDOW TYPES AND SCHEDULES

CIVIL:

C01	HOGEN - REMOVALS
C02	HOGEN - SITE PLAN
C03	OPERATIONS TRAILER - REMOVALS AND SITE PLAN

ELECTRICAL:

E000	LEGEND
E001	SITE PLAN
E200	FLOOR PLANS
E201	GROUNDING

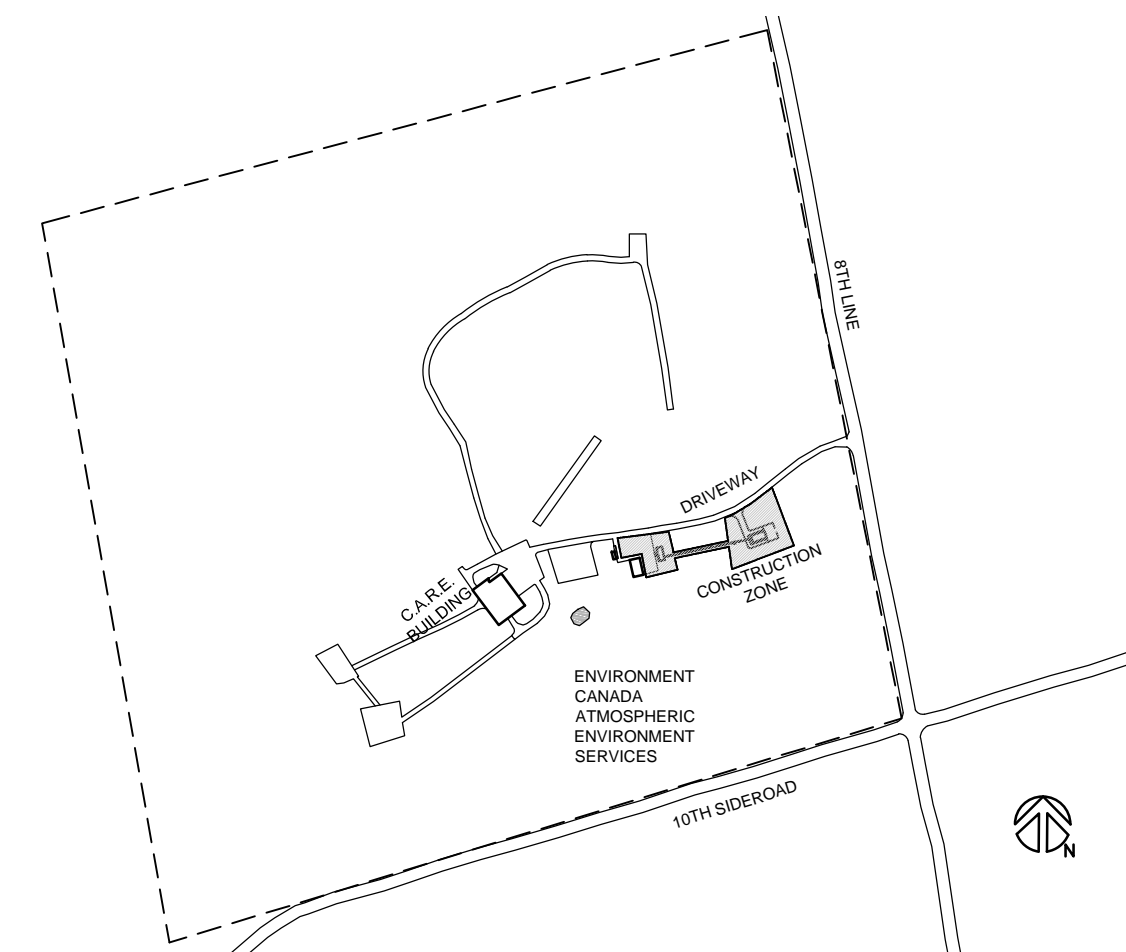
MECHANICAL:

M000	MECHANICAL LEGEND, DRAWING LIST AND GENERAL NOTES
M100	FLOOR PLAN HYDROGEN / WATER SYSTEM

M200	HYDROGEN/WATER SYSTEM SCHEMATIC & EQUIPMENT SCHEDULE
M201	HYDROGEN/WATER SYSTEM GOVERNMENT FURNISHED EQUIPMENT DETAILS
M300	FLOOR PLAN - VENTILATION SYSTEM
M301	VENTILATION SYSTEM DETAILS & EQUIPMENT SCHEDULE
M400	CONTROL SYSTEM SCHEMATIC & INPUT/OUTPUT SCHEDULE

STRUCTURAL:

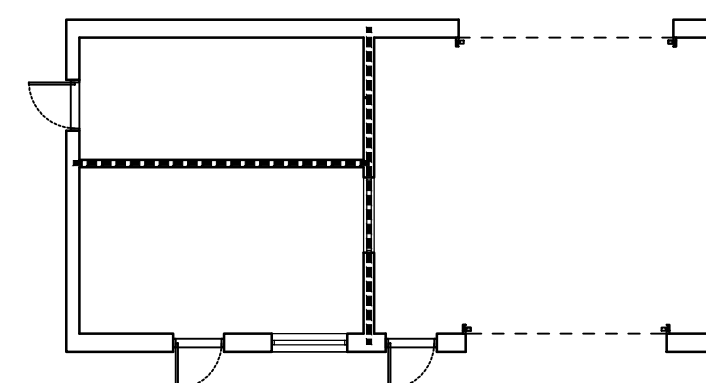
S100	GENERAL NOTES
S200	PLANS AND TYPICAL DETAILS
S300	SECTIONS
S400	ELEVATIONS
S100-OP	GENERAL NOTES
S200-OP	PLAN, TYPICAL DETAILS AND SECTIONS



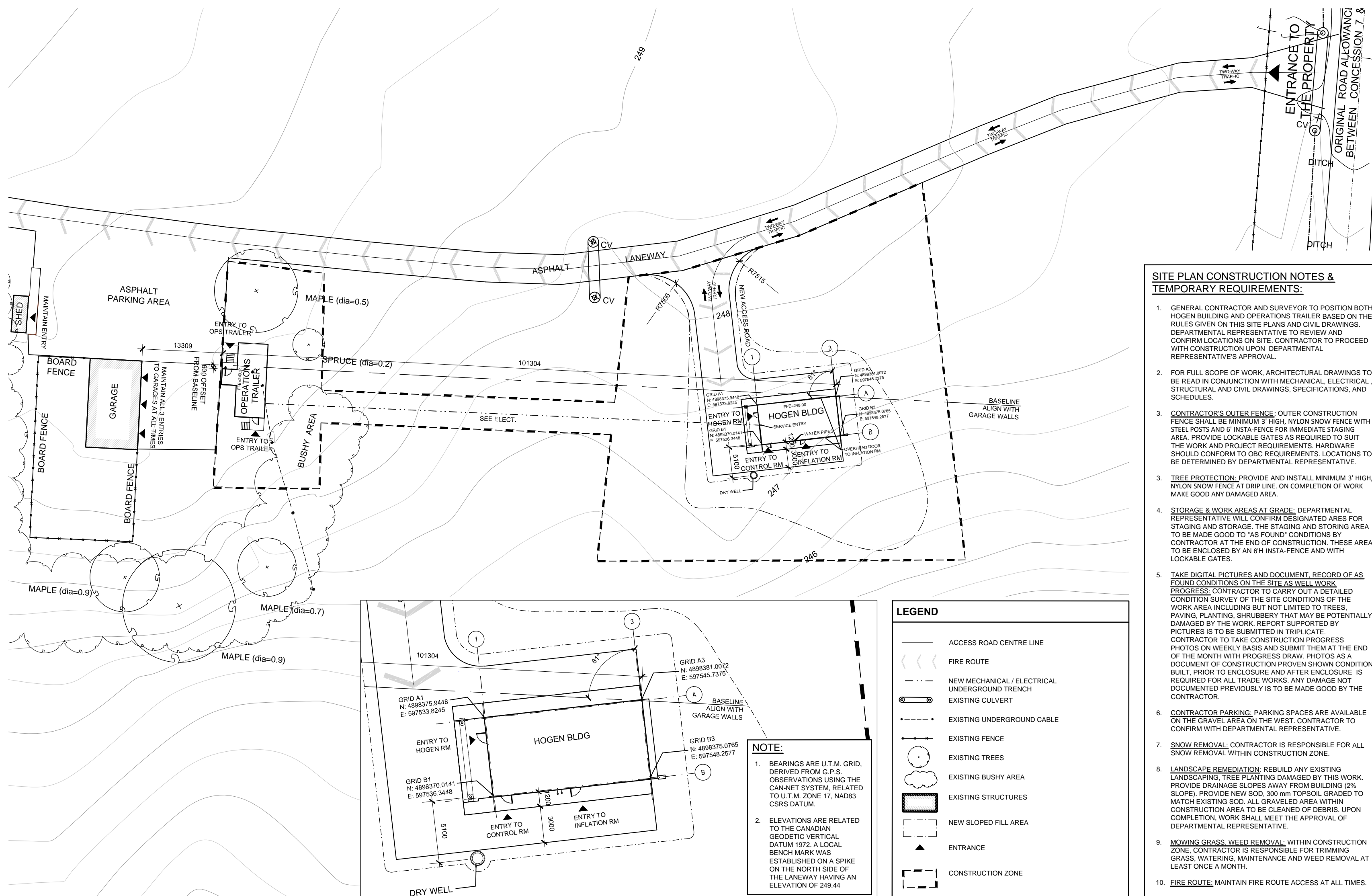
4 LOCATION MAP
A001 NTS

FIRM NAME: TAYLOR HAZELL ARCHITECTS CERTIFICATE OF PRACTICE NUMBER: 2659 NAME OF PROJECT: NEW HYDROGEN GENERATION (HOGEN) AND BALLOON LAUNCHING BUILDING LOCATION: 6248 8TH LINE, EGBERT, ONTARIO L0L 1N0			
ITEM	ONTARIO BUILDING CODE DATA MATRIX PARTS 3	OBC REFERENCE	
1	PROJECT DESCRIPTION: <input type="checkbox"/> NEW <input type="checkbox"/> ADDITION <input type="checkbox"/> CHANGE OF USE <input type="checkbox"/> ALTERATION	<input type="checkbox"/> PART 11 <input type="checkbox"/> PART 3 <input type="checkbox"/> PART 9	
2	MAJOR OCCUPANCY(S) F1 (Hydrogen Generation and Balloon Launching)		3.1.2.1.(1)
3	BUILDING AREA (m ²) 86.26 m ² TOTAL		1.1.3.2
4	GROSS AREA 86.26 m ² TOTAL		1.1.3.2
5	NUMBER OF STOREYS ABOVE GRADE 1 BELOW GRADE 0		3.2.1.1 & 1.1.3.2
6	NUMBER OF STREETS/FIRE FIGHTER ACCESS 1		3.2.2.10 & 3.2.5.5
7	BUILDING CLASSIFICATION GROUP F1, 1 Storey		3.2.2.66
8	SPRINKLER SYSTEM PROPOSED <input type="checkbox"/> ENTIRE BUILDING <input type="checkbox"/> BASEMENT ONLY <input type="checkbox"/> IN LIEU OF ROOF RATING <input type="checkbox"/> NOT REQUIRED		3.2.2.66
9	STANDPIPE REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		3.2.9
10	FIRE ALARM REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		3.2.4
11	WATER SERVICE/SUPPLY IS ADEQUATE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		3.2.5.7
13	PERMITTED CONSTRUCTION <input type="checkbox"/> COMBUSTIBLE <input type="checkbox"/> NON-COMB. <input checked="" type="checkbox"/> BOTH ACTUAL CONSTRUCTION <input type="checkbox"/> COMBUSTIBLE <input type="checkbox"/> NON-COMB. <input checked="" type="checkbox"/> BOTH		3.2.2.66 3.2.2.66
14	MEZZANINE(S) AREA (m ²) N/A		3.2.1.1.(6)
15	OCCUPANT LOAD BASED ON <input type="checkbox"/> m ² /PERSON <input checked="" type="checkbox"/> DESIGN OF BUILDING		3.1.16
5 PERSONS			
16	BARRIER-FREE DESIGN <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (EXPLAIN) Group F1		A-3.8.1.1
17	HAZARDOUS SUBSTANCES <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		3.3.1.2
18	REQUIRED FIRE RESISTANCE RATING (FRR) HORIZONTAL ASSEMBLIES FRR (HOURS) FLOORS N/A HOURS ROOF - HOURS MEZZANINE HOURS FRR OF SUPPORTING MEMBERS FLOORS N/A HOURS ROOF - HOURS MEZZANINE HOURS	LISTED DESIGN No. OR DESCRIPTION (Sg-2) LISTED DESIGN No. DESCRIPTION (Sg-2)	3.2.2.66
20	PLUMBING FIXTURE REQUIREMENTS N/A		
FLOOR OCCUPANT LOAD BC TABLE NO. FIXTURES REQUIRED FIXTURES PROVIDED			
20	OTHER - DESCRIBE		

3 OBC MATRIX
A001 NTS



1 FIRE SEPARATION DIAGRAM
A001 1:150



2 SITE PLAN
A001 1:500

2A HOGEN - LOCATING PLAN
A001 1:250

PROJECT NORTH ACTUAL NORTH

SITE PLAN FOR PETO MACCALLUM
PART OF LOT 11
CONCESSION 7
GEOGRAPHIC TOWNSHIP OF ESSA
COUNTY OF SIMCOE

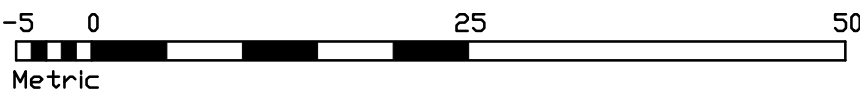
NOTE:

- (1) BEARINGS ARE U.T.M. GRID, DERIVED FROM G.P.S. OBSERVATIONS USING THE CAN-NET SYSTEM, RELATED TO U.T.M. ZONE 17, NAD83 CSRS DATUM.
(2) ALL MEASUREMENTS ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.
(3) ELEVATIONS ARE RELATED TO THE CANADIAN GEODETIC VERTICAL DATUM 1972. A LOCAL BENCH MARK WAS ESTABLISHED ON A SPIKE ON THE NORTH SIDE OF THE LANEWAY, HAVING AN ELEVATION OF 249.44

CAUTION: NO BOUNDARY LINES WHERE DETERMINED FOR THE PUPOSES OF THIS SURVEY

LEGEND:

- DENOTES IRON BAR SET
DENOTES IRON BAR FOUND
DENOTES 25.4 mm² x 1219.2 mm LONG IRON BAR
DENOTES 25.4 mm² x 609.6 mm LONG IRON BAR
DENOTES 19.9 mm² x 609.6 mm LONG IRON BAR
DENOTES ROUND IRON BAR
DENOTES NOT TO SCALE
DENOTES MEASURED
DENOTES CORROGATED STEEL PIPE CULVERT INVERT 0.4 m DIA.
DENOTES WOOD STAKE MARKING BORE HOLE LOCATION
DENOTES BELL PEDISTAL
DENOTES WELL
DENOTES MANHOLE
DENOTES HYDRO POLE
DENOTES ANCHOR



SCALE 1 : 500



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Government Services Canada
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04		
03		
02		
01		
revision		date

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

- 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
EGBERT Ontario
6248 8TH LINE, LOL 1N0
**NEW HYDROGEN GENERATION (HOGEN)
AND BALLOON LAUNCHING BUILDING**

drawing title
titre du dessin
SURVEY

drawn by
dessiné par

designed by
conçu par

approved by
approuvé par

bid
offre project manager
administrateur
de projets

project date
date du projet
2016-01-29

project no.
no. du projet
R.071909.001

drawing no.
dessiné no.
010


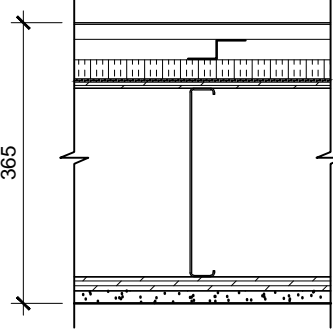

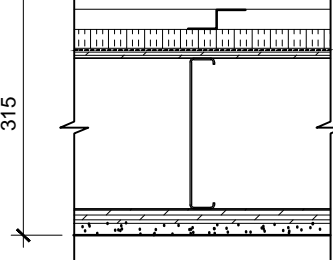

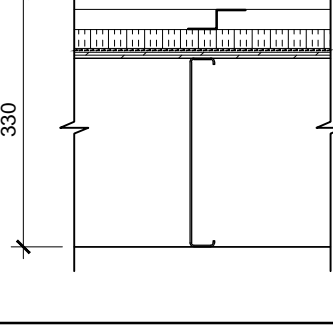

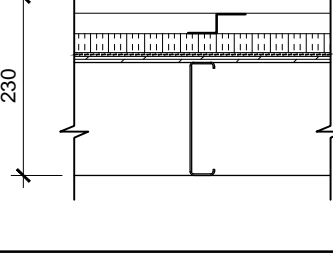

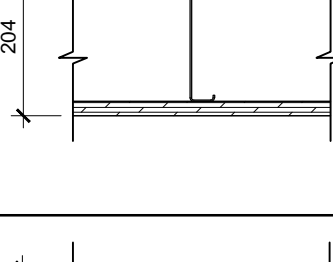
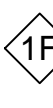
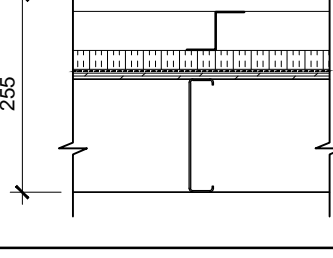

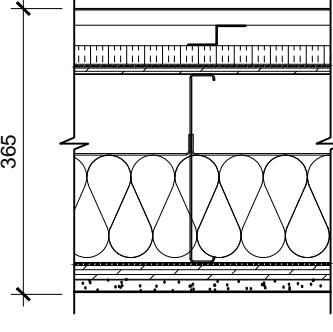

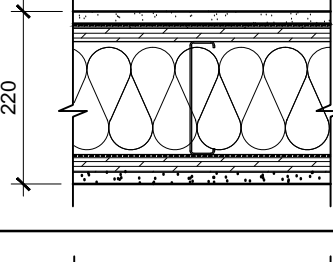

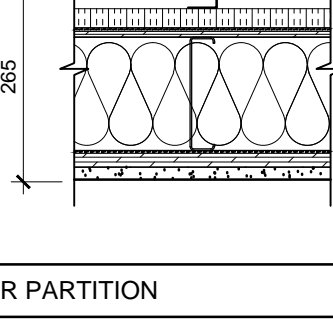

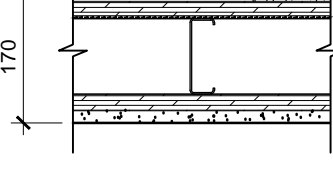
BETTER MEASURES
Drawn by: Scott Betts
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E-Mail: bmbetts@everus.ca

ASSEMBLY		FIRE R		RATING VALUE	
FLOOR ASSEMBLY					
<div>4A</div>	<div></div>	<div><ul style="list-style-type: none">• 150 MM CONCRETE SLAB ON GRADE - SEE STRUCTURAL</div>	<div>—</div>	<div>—</div>	
CEILING ASSEMBLIES					
<div>5A</div>	<div></div>	<div><ul style="list-style-type: none">• 19 MM PLYWOOD• VAPOUR PERMEABLE AIR BARRIER• 150 MM STEEL JOIST @ 600 OC MAX-SEE STRUCTURAL• 150 MM ROCKWOOL BATT INSULATION• 6 MLL POLY VAPOUR BARRIER• 13 MM PLYWOOD• 16 MM MOULD AND WATER RESISTANT GYPSUM WALLBOARD</div>	<div>—</div>	<div>R-21</div>	
<div>5B</div>	<div></div>	<div><ul style="list-style-type: none">• EXPOSED ROOF TRUSS - SEE STRUCTURAL</div>	<div>—</div>	<div>—</div>	
ROOF ASSEMBLIES					
<div>6A</div>	<div></div>	<div><ul style="list-style-type: none">• 22 MM CORRUGATED STEEL CLADDING• WATERPROOF MEMBRANE• 16 MM PLYWOOD SHEATHING• ROOF RAFTER OR ROOF TRUSS - SEE STRUCTURAL DRAWINGS</div>	<div>—</div>	<div>R-1</div>	

2
A100

FLOOR, CEILING, AND ROOF TYPES

1:10

ASSEMBLY			FIRE R RATING VALUE	
EXTERIOR WALLS WITHOUT INSULATION				
		<ul style="list-style-type: none">• 22 MM CORRUGATED STEEL CLADDING ON 25 MM VERTICAL Z GIRTS, FASTEN Z GIRTS TO STEEL STUDS• 25 MM POLYISOCYANURATE RIGID INSULATION• VAPOUR PERMEABLE AIR BARRIER• 7.5 MM PLYWOOD SHEATHING• 200 MM STEEL STUDS @ 600 OC MAX- SEE STRUCTURAL• 19 MM PLYWOOD• 16 MM MOLD AND WATER RESISTANT GYPSUM WALLBOARD	—	R-9.5
		<ul style="list-style-type: none">• 22 MM CORRUGATED STEEL CLADDING ON 25 MM VERTICAL Z FURRING, FASTEN Z GIRTS TO STEEL STUDS• 25 MM POLYISOCYANURATE RIGID INSULATION• VAPOUR PERMEABLE AIR BARRIER• 7.5 MM PLYWOOD SHEATHING• 200 MM STEEL STUDS @ 600 OC MAX- SEE STRUCTURAL• 19 MM PLYWOOD• 16 MM MOLD AND WATER RESISTANT GYPSUM WALLBOARD	—	R-9.5
		<ul style="list-style-type: none">• 22 MM CORRUGATED STEEL CLADDING ON 25 MM VERTICAL Z GIRTS, FASTEN Z GIRTS TO STEEL STUDS• 25 MM POLYISOCYANURATE RIGID INSULATION• VAPOUR PERMEABLE AIR BARRIER• 7.5 MM PLYWOOD SHEATHING• 200 MM STEEL STUDS @ 600 OC MAX- SEE STRUCTURAL	—	R-7.5
		<ul style="list-style-type: none">• 22 MM CORRUGATED STEEL CLADDING ON 25 MM VERTICAL Z FURRING, FASTEN Z GIRTS TO STEEL STUDS• 25 MM POLYISOCYANURATE RIGID INSULATION• VAPOUR PERMEABLE AIR BARRIER• 7.5 MM PLYWOOD SHEATHING• 150 MM STEEL STUDS @ 600 OC MAX- SEE STRUCTURAL	—	R-7.5
		<ul style="list-style-type: none">• 16 MM MOLD AND WATER RESISTANT GYPSUM WALLBOARD• VAPOUR PERMEABLE AIR BARRIER• 19 MM PLYWOOD• 150 MM STEEL STUDS @ 600 OC MAX- SEE STRUCTURAL• 19 MM PLYWOOD	—	R-1.5
		<ul style="list-style-type: none">• 22 MM CORRUGATED STEEL CLADDING ON 60 MM VERTICAL Z FURRING, FASTEN Z GIRTS TO STEEL STUDS• 25 MM POLYISOCYANURATE RIGID INSULATION• VAPOUR PERMEABLE AIR BARRIER• 7.5 MM PLYWOOD SHEATHING• 150 MM STEEL STUDS @ 600 OC MAX- SEE STRUCTURAL	—	R-7.5
EXTERIOR WALLS WITH INSULATION				
		<ul style="list-style-type: none">• 22 MM CORRUGATED STEEL CLADDING ON 25 MM VERTICAL Z FURRING, FASTEN Z GIRTS TO STEEL STUDS• 25 MM POLYISOCYANURATE RIGID INSULATION• VAPOUR PERMEABLE AIR BARRIER• 7.5 MM PLYWOOD SHEATHING• 250 MM STEEL STUDS @ 600 OC MAX- SEE STRUCTURAL• 150 MM ROCKWOOL BATT INSULATION - POSITION IN PLACE WITH MISCELLANEOUS METAL BRACING• 6 MIL POLY VAPOUR BARRIER• 19 MM PLYWOOD• 16 MM MOLD AND WATER RESISTANT GYPSUM WALLBOARD	—	R-28.5
		<ul style="list-style-type: none">• 16 MM MOLD AND WATER RESISTANT GYPSUM WALLBOARD• VAPOUR PERMEABLE AIR BARRIER• 19 MM PLYWOOD• 150 MM STEEL STUDS @ 600 OC MAX- SEE STRUCTURAL• 150 MM ROCKWOOL BATT INSULATION• 6 MIL POLY VAPOUR BARRIER• 16 MM MOLD AND WATER RESISTANT GYPSUM WALLBOARD	—	R-22
		<ul style="list-style-type: none">• 22 MM CORRUGATED STEEL CLADDING ON 25 MM VERTICAL Z FURRING, FASTEN Z GIRTS TO STEEL STUDS• 25 MM POLYISOCYANURATE RIGID INSULATION• VAPOUR PERMEABLE AIR BARRIER• 7.5 MM PLYWOOD SHEATHING• 150 MM STEEL STUDS @ 600 OC MAX- SEE STRUCTURAL• 150 MM ROCKWOOL BATT INSULATION• 6 MIL POLY VAPOUR BARRIER• 19 MM PLYWOOD• 16 MM MOLD AND WATER RESISTANT GYPSUM WALLBOARD	—	R-28.5
INTERIOR PARTITION				
		<ul style="list-style-type: none">• 16 MM MOLD AND WATER RESISTANT GYPSUM WALLBOARD• 19 MM PLYWOOD• 6 MIL POLY VAPOUR BARRIER• 150 MM STEEL STUDS @ 400 OC MAX• 19 MM PLYWOOD• 16 MM MOLD AND WATER RESISTANT GYPSUM WALLBOARD	—	—

1
A100

WALL AND PARTITION TYPES

1:10

LEGEND	
	DOOR NUMBER
	WINDOW NUMBER
	WALL ASSEMBLY TAG
	ROOM TAG
	AREA
	FLOOR FINISH TAG
	FIRE EXTINGUISHER
	22 MM CORRUGATED METAL
	22 MM CORRUGATED METAL
	22 MM CORRUGATED METAL
	22 MM CORRUGATED METAL
	AIR BARRIER / VAPOUR BARRIER / WATER MEMBRANE
	RIGID INSULATION
	PLYWOOD SHEATHING
	BATT INSULATION
	GYPSUM BOARD
	ACCESS PANEL
	WALL MOUNTED EXIT SIGN - SEE ELECTRICAL
	EMERGENCY LIGHT - SEE ELECTRICAL
	LIGHT SWITCH - SEE ELECTRICAL
	TELEPHONE AND DATA OUTLET - SEE ELECTRICAL
	RECEPTACLE - SEE ELECTRICAL
	FIRE EXTINGUISHER
	EXTERIOR LIGHT SEE ELECTRICAL
	FLOOD LIGHT SEE ELECTRICAL
	CEILING TAG
	FINISH CEILING ELEVATION ABOVE FINISH FLOOR
	FINISH CEILING MATERIAL
	GYPSUM BOARD
	METAL CEILING
	SUSPENDED FLUORESCENT LIGHT FIXTURE - SEE ELECTRICAL
	POT LIGHT FIXTURE - SEE ELECTRICAL
	SMOKE DETECTOR


ABBREVIATIONS	
AL	ALUMINUM
CP	CEMENT PANEL
DIA	DIAMETER
GWB	GYPSUM WALL BOARD
HM	HOLLOW METAL
IN	INSIDE
INT	INTERIOR
IS	INSULATED STEEL
M	METER
MAX	MAXIMUM
MIN	MINIMUM
MM	MILLIMETER
OUT	OUTSIDE
RWL	RAIN WATER LEADER
SIM	SIMILAR
TYP	TYPICAL
VB	VINYL BASE

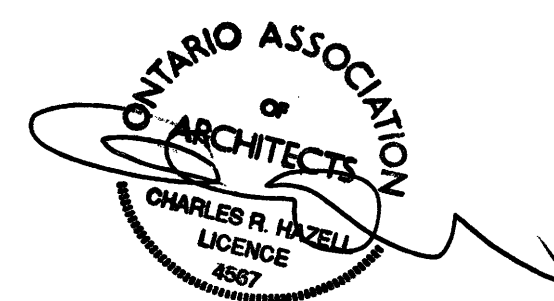
- GENERAL NOTES**
- DRAWINGS SHALL BE READ IN CONJUNCTION W/ ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND CIVIL DRAWINGS, SCHEDULES & SPECIFICATIONS TO DETERMINE THE FULL SCOPE OF WORK.
 - DRAWINGS SHALL NOT BE SCALED.
 - CONTRACTOR SHALL SATISFY THEMSELVES THAT ALL DIMENSIONS, DATUMS AND DETAILED INFORMATION SHOWN ARE CORRECT PRIOR TO COMMENCING WORK.
 - CONTRACTOR TO REPORT ANY DISCREPANCIES TO DEPARTMENTAL REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK AND DURING THE COURSE.
 - CONTRACTOR TO REVIEW ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL OPENINGS THROUGH FLOOR, WALLS, CEILING, SOFFIT AND ROOF. REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL FRAMING.
 - ALL PLYWOOD OR WOOD BLOCKING USED BELOW OR AT GRADE TO BE PRESSURE TREATED.
 - CONTRACTOR TO REVIEW ALL DRAWINGS, SPECIFICATIONS, SCHEDULES AND REVIEW SITE AT WALK THROUGH FOR LOCAL CONDITIONS AND RELATED WORK.
 - CONTRACTOR TO COORDINATE AND PROVIDE ALL SOLID BLOCKING WITHIN THE WALL AND CEILING AREAS TO SUPPORT SURFACE MOUNTED FIXTURES AND FITTINGS.
 - CONTRACTOR TO REPLACE ANY ITEMS DAMAGED DURING THE COURSE OF CONSTRUCTION WORK.
 - AT ALL SERVICE PENETRATIONS THROUGH INTERIOR AND EXTERIOR WALLS AND CEILINGS, PROVIDE FIRE-RATED SEALANT AT 1/2" GAP BETWEEN PENETRATION AND WALL/CEILING ON BOTH EXPOSED GWB FACES.
 - FOR ALL DOORS AND WINDOWS SEE DOOR AND WINDOW SCHEDULES.
 - FOR ALL ROOM FINISHES SEE FINISH SCHEDULE.
 - CONTRACTOR TO CONFIRM ALL FRAME OPENINGS TO ENSURE THEY ARE CORRECTLY SIZED TO FIT WINDOWS AND DOOR FRAMES SIZES.
 - CONTRACTOR TO ENSURE THE FORMING FOR THIS BUILDING IS CARRIED OUT IN AN ACCURATE MANNER IN ORDER FOR DETAILS TO WORK.
 - TRIM AND LASER LEVEL LOWER EDGE OF CORRUGATED SOING TO BE CONSISTENT AROUND PERIMETER OF HOGEN BUILDING, ENSURE THE HORIZONTAL ALIGNMENT OF THE HIGH AND LOW SINGING PROFILES.

TAYLOR HAZELL ARCHITECTS
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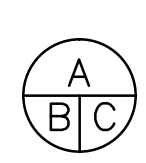

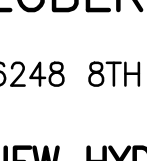
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05	ISSUED FOR TENDER	2016.01.29
04	99% PROGRESS SET	2015.12.04
03	66% PROGRESS SET	2015.10.30
02	33% PROGRESS SET	2015.10.09
01	ISSUED FOR DBM	2015.05.13
revision		date

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notify the Departmental Representative of all discrepancies.

	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
EGBERT Ontario
6248 8TH LINE, LOL 1N0

**NEW HYDROGEN GENERATION (HOGEN)
AND BALLOON LAUNCHING BUILDING**drawing title
titre du dessin**HOGEN BUILDING
WALL TYPES AND GENERAL NOTES**drawn by
dessiné par

LN

designed by
conc par

CH

approved by
approuvé par

CH

bid
offreproject manager
administrateur
de projetsproject date
date du projet

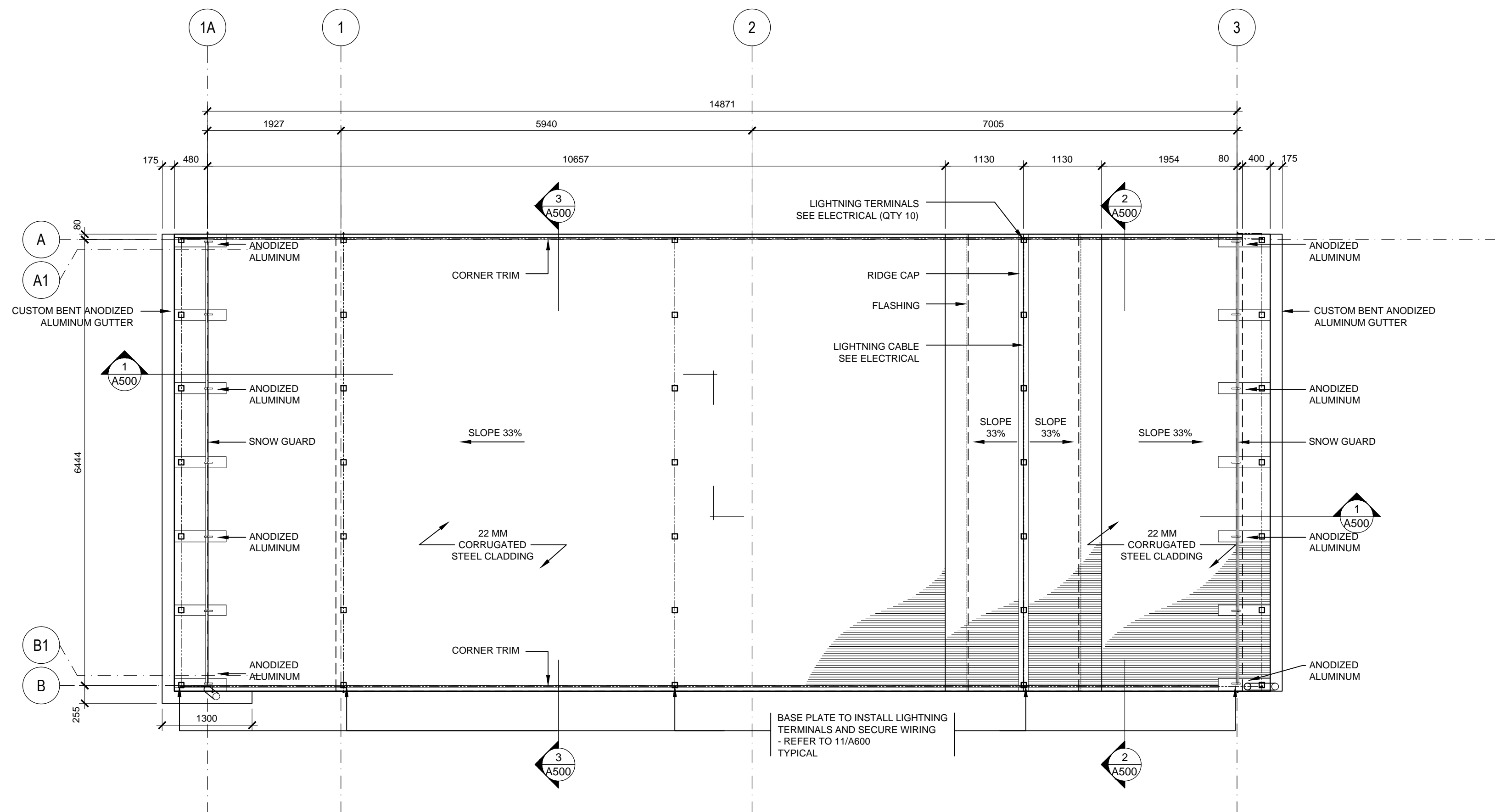
2016-01-29

project no.
no. du projet

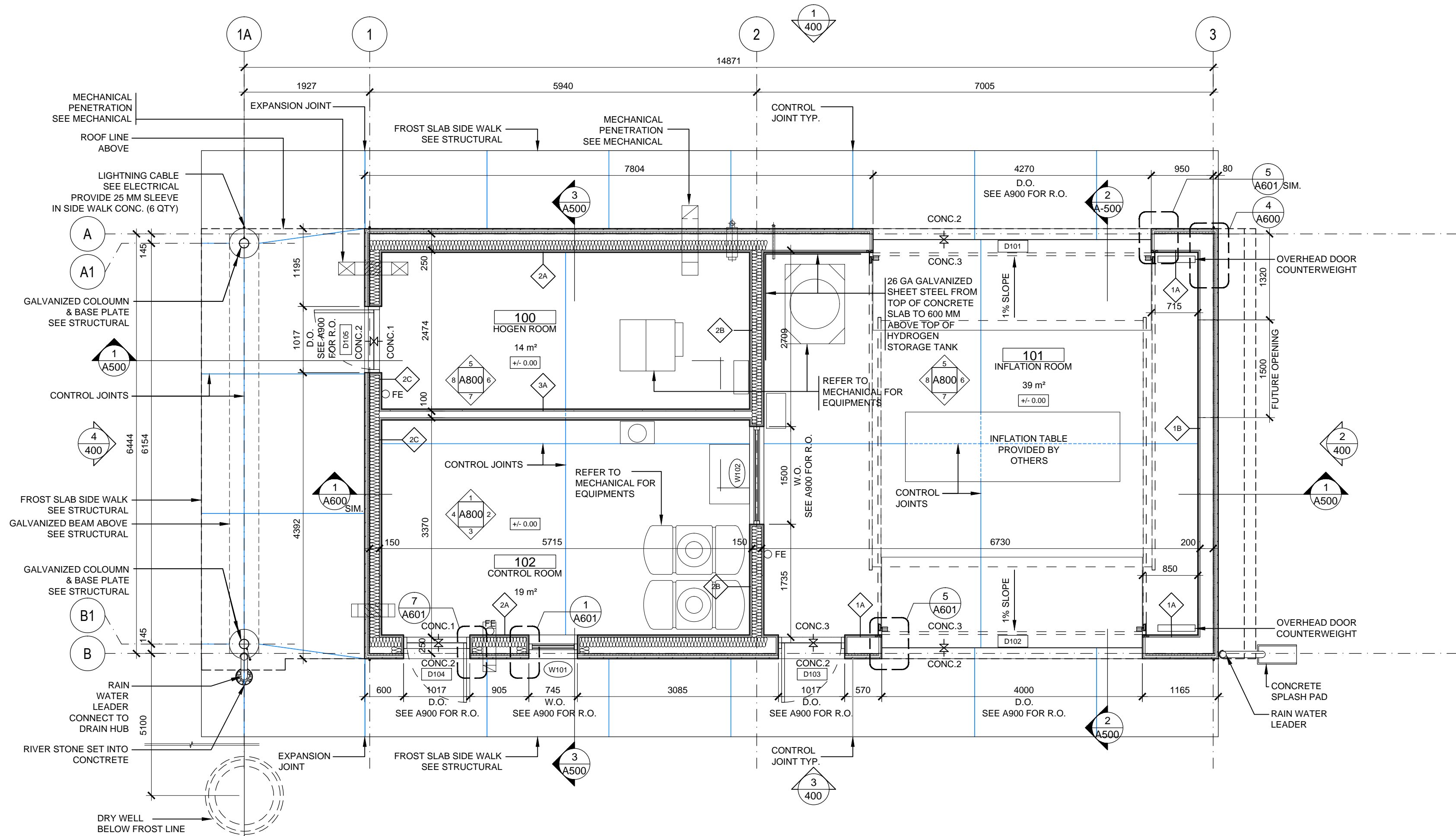
R.071909.001

drawing no.
dessiné no.

A100



2 ROOF PLAN
A200 1:50



1 FLOOR PLAN
A200 1:50

PLAN LEGEND	
	DOOR NUMBER
	WINDOW NUMBER
	WALL ASSEMBLY TAG
	ROOM TAG
	FLOOR FINISH TAG
	CONTROL JOINT
	EXPANSION JOINT
	FIRE EXTINGUISHER



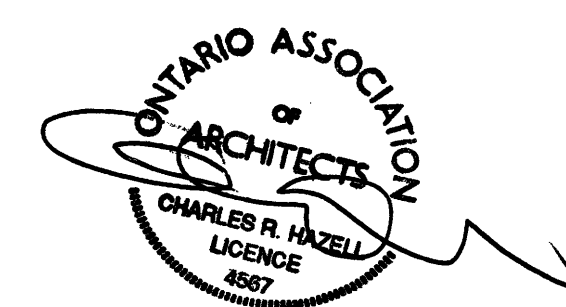
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project title
titre du projet
EGBERT Ontario
6248 8TH LINE, LOL 1N0
**NEW HYDROGEN GENERATION (HOGEN)
AND BALLOON LAUNCHING BUILDING**

drawing title
titre du dessin
**HOGEN BUILDING
PLANS**

drawn by
dessiné par LN

designed by
conc par CH

approved by
approuvé par CH

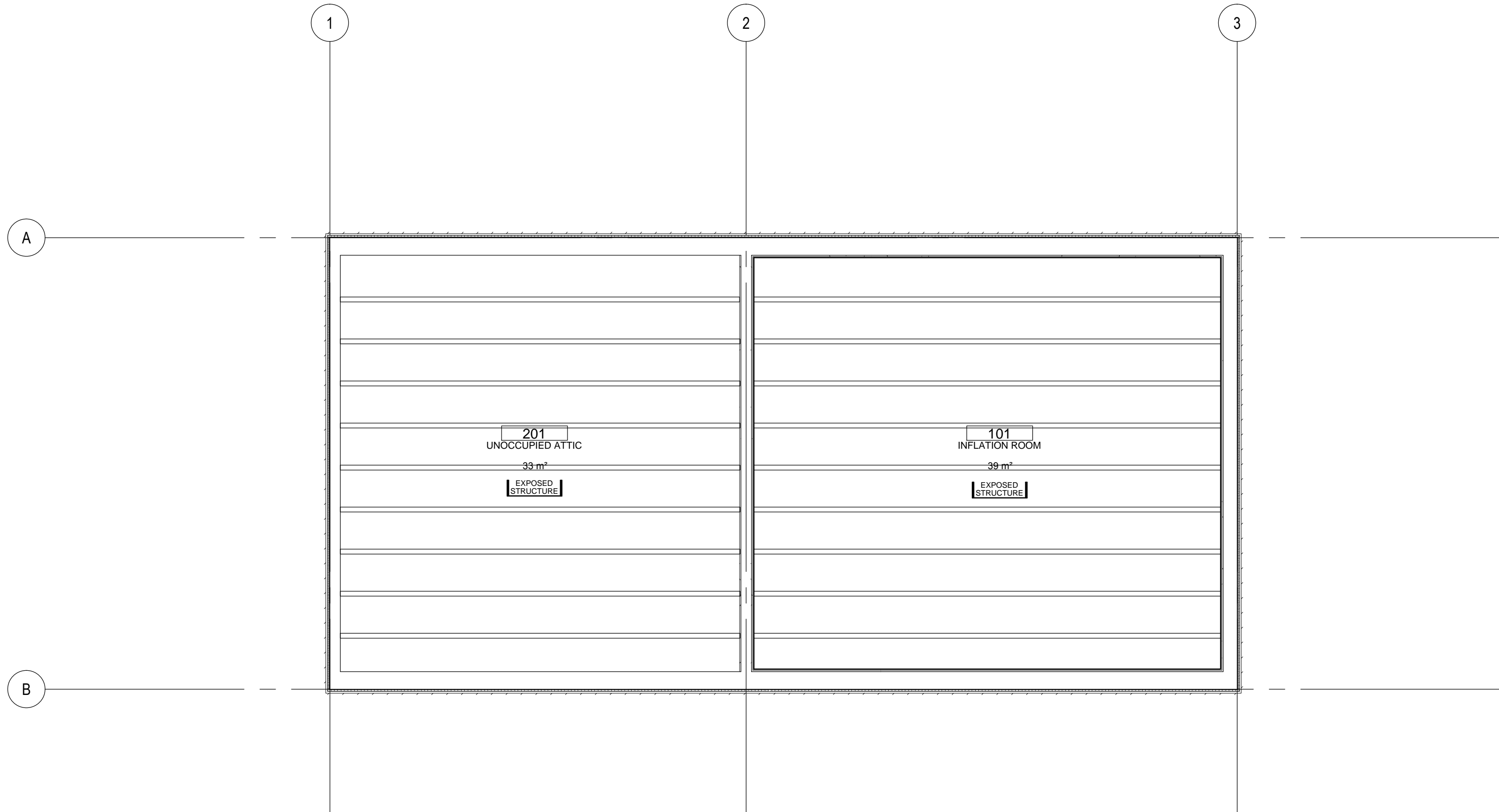
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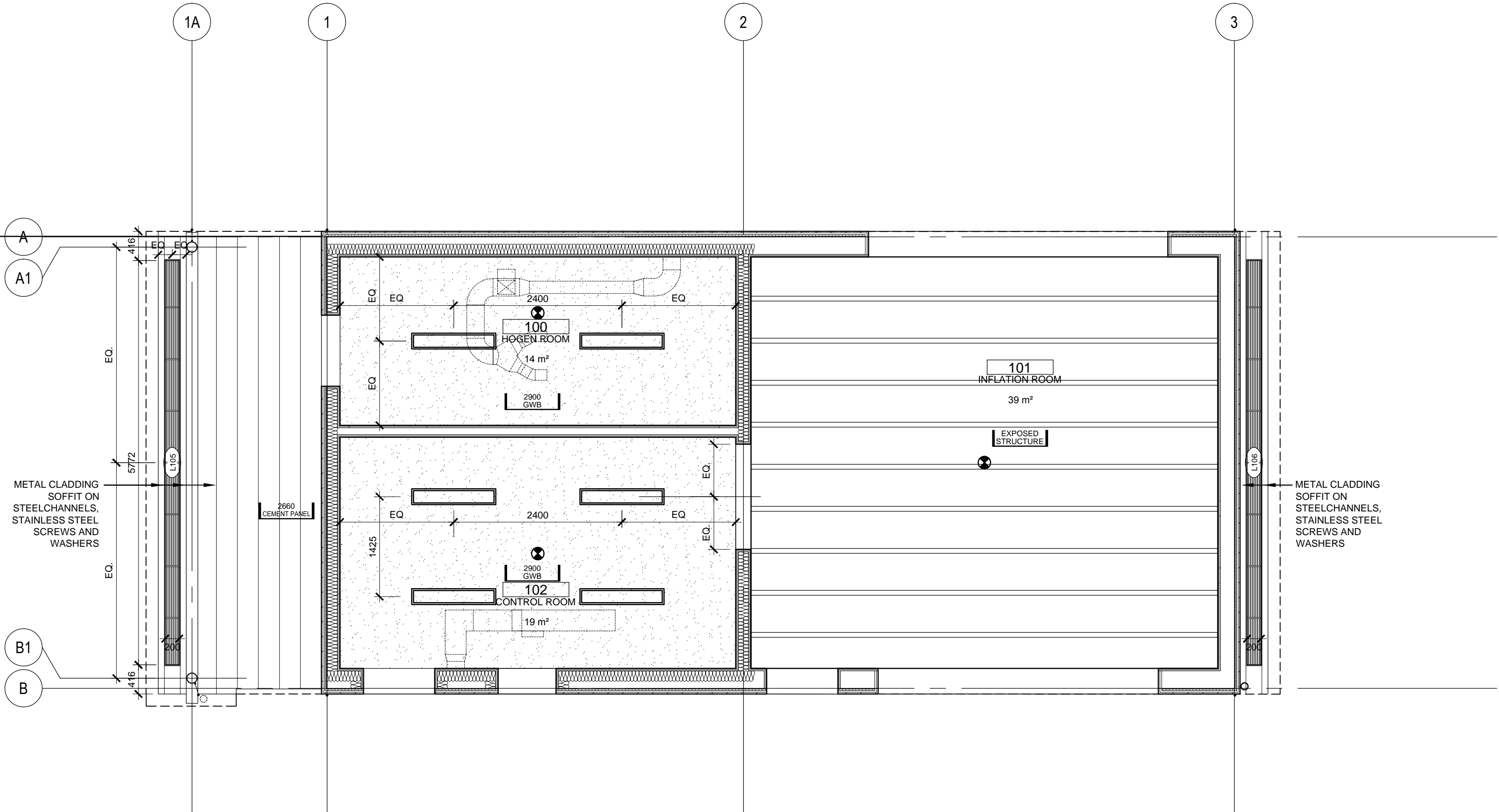
project date
date du projet 2016-01-29

project no.
no. du projet
R.071909.001

drawing no.
dessiné no.
A200



2 ATTIC FLOOR REFLECTED CEILING PLAN
A300 1:50



1 GROUND FLOOR REFLECTED CEILING PLAN
A300 1:50



REFLECTED CEILING PLAN LEGEND	
	CEILING TAG
	FINISH CEILING ELEVATION ABOVE FINISH FLOOR
	FINISH CEILING MATERIAL
	GYPSUM BOARD
	METAL CEILING
	SUSPENDED FLUORESCENT LIGHT FIXTURE - SEE ELECTRICAL
	POT LIGHT FIXTURE - SEE ELECTRICAL
	SMOKE DETECTOR

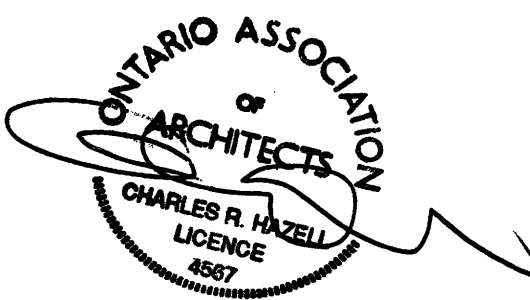
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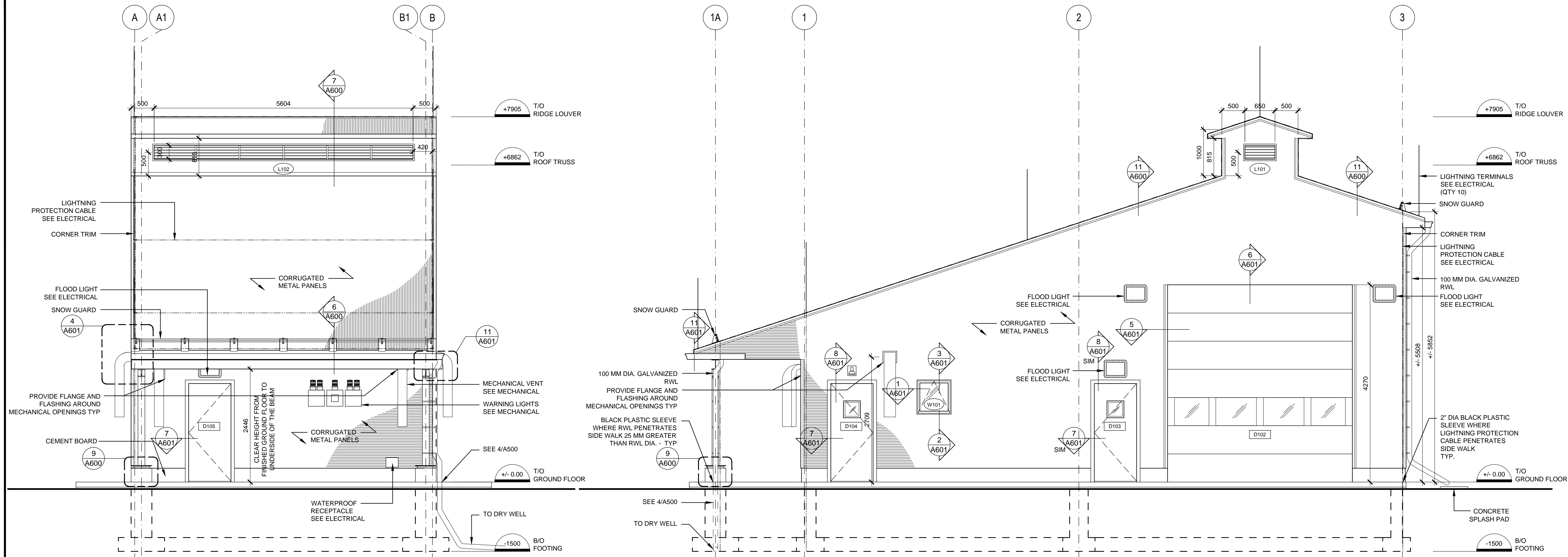
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no. du projet R.071909.001

drawing no.
dessiné no. A300




4 WEST ELEVATION
A400 1:50

3 SOUTH ELEVATION
A400 1:50

2 EAST ELEVATION
A200 1:50

1 NORTH ELEVATION
A400 1:50

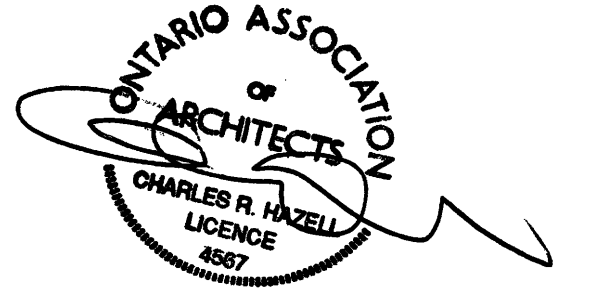
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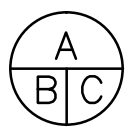
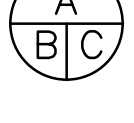

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AND BALLOON LAUNCHING BUILDING**

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titre du dessin
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ELEVATIONS**

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dessiné par LN

designed by
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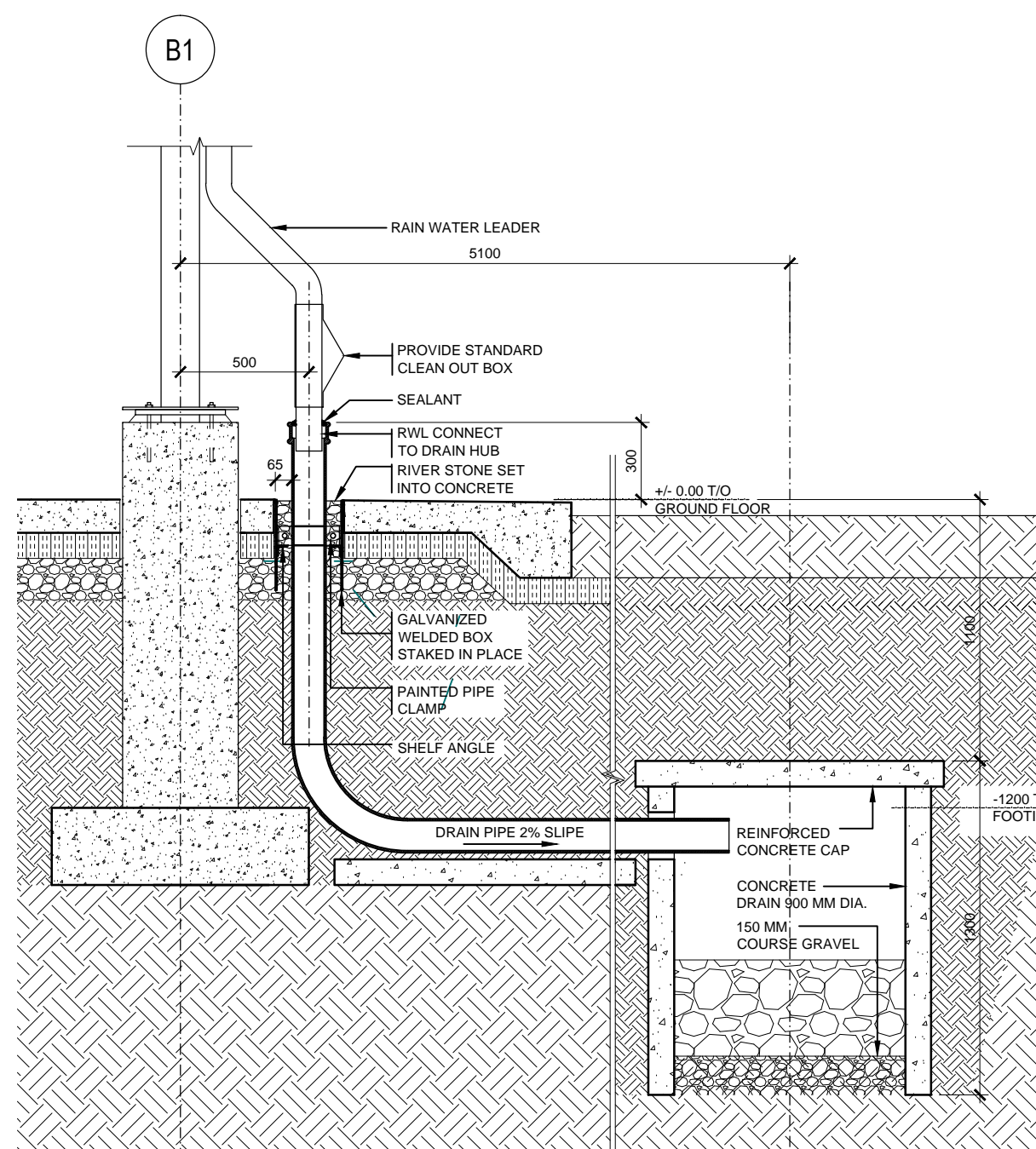
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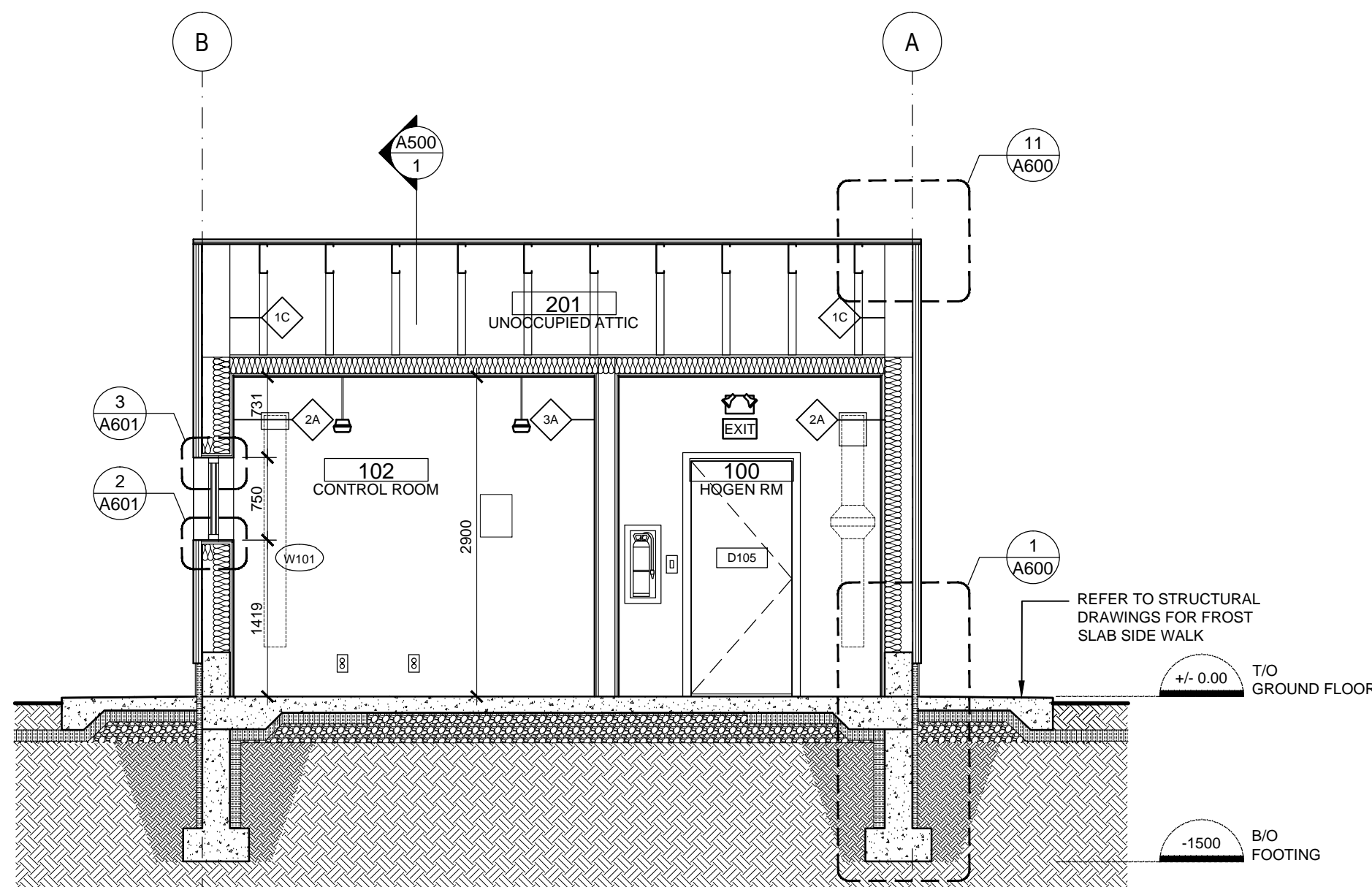
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date du projet 2016-01-29

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no. du projet R.071909.001

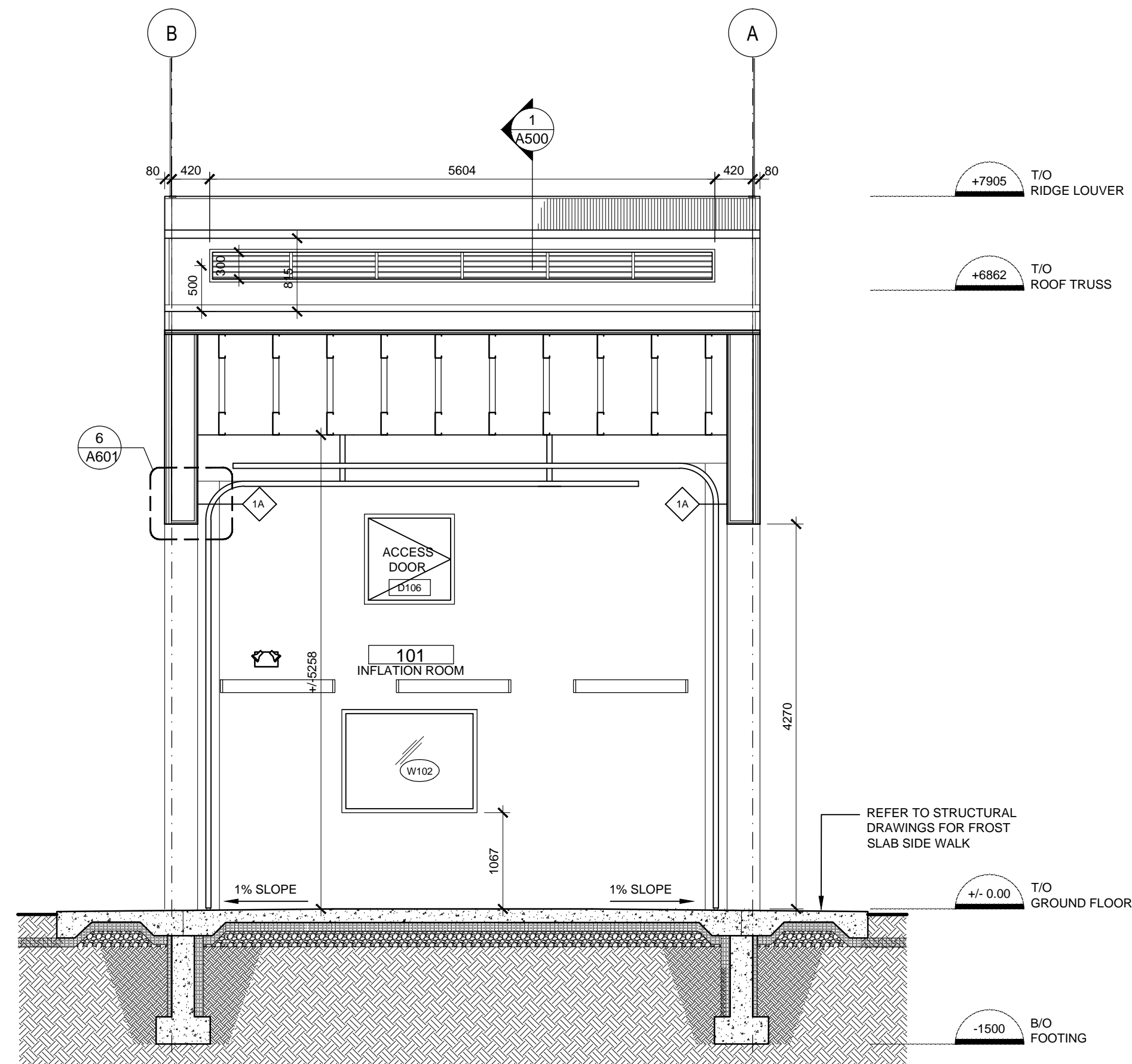
drawing no.
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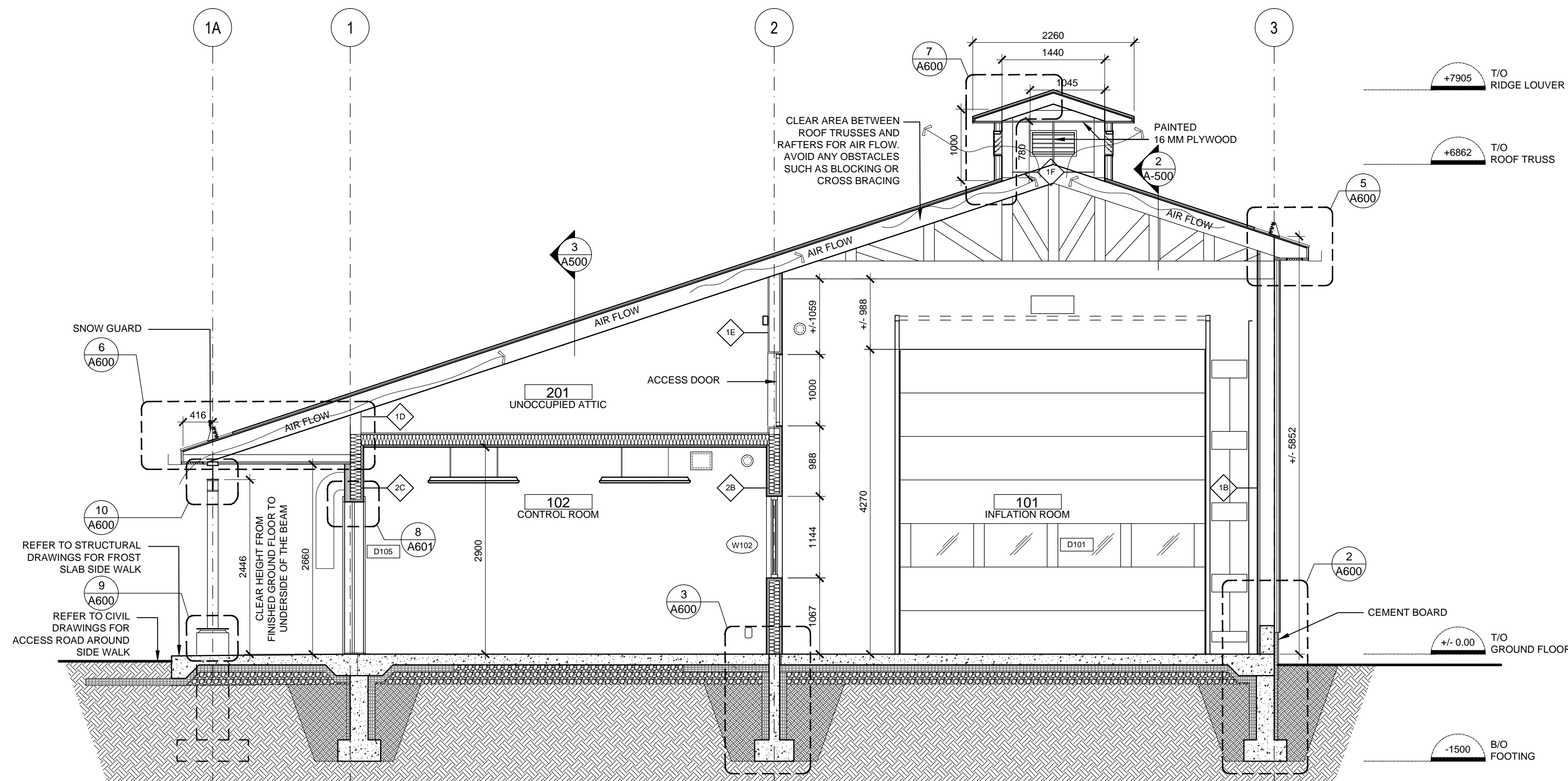
4 SECTION 4-4
A500 1:25



3 SECTION 3-3
A500 1:50



2 SECTION 2-2
A500 1:50



1 SECTION 1-1
A500 1:50

SECTION LEGEND	
	22 MM CORRUGATED METAL - IN ELEVATION
	22 MM CORRUGATED METAL - IN SECTION, CUT PARALLEL TO FLUTES
	22 MM CORRUGATED METAL - IN SECTION, CUT PERPENDICULAR TO FLUTES



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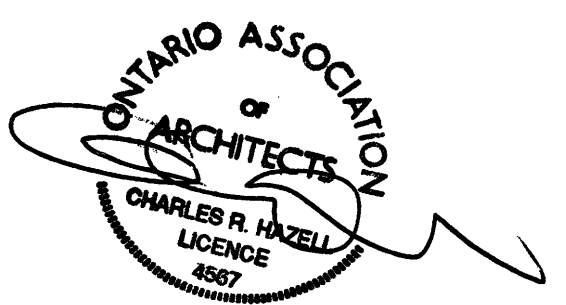
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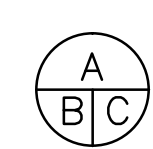
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**NEW HYDROGEN GENERATION (HOGEN)
AND BALLOON LAUNCHING BUILDING**

drawing title
titre du dessin
**HOGEN BUILDING
SECTIONS**

drawn by
dessiné par LN

designed by
conc par CH

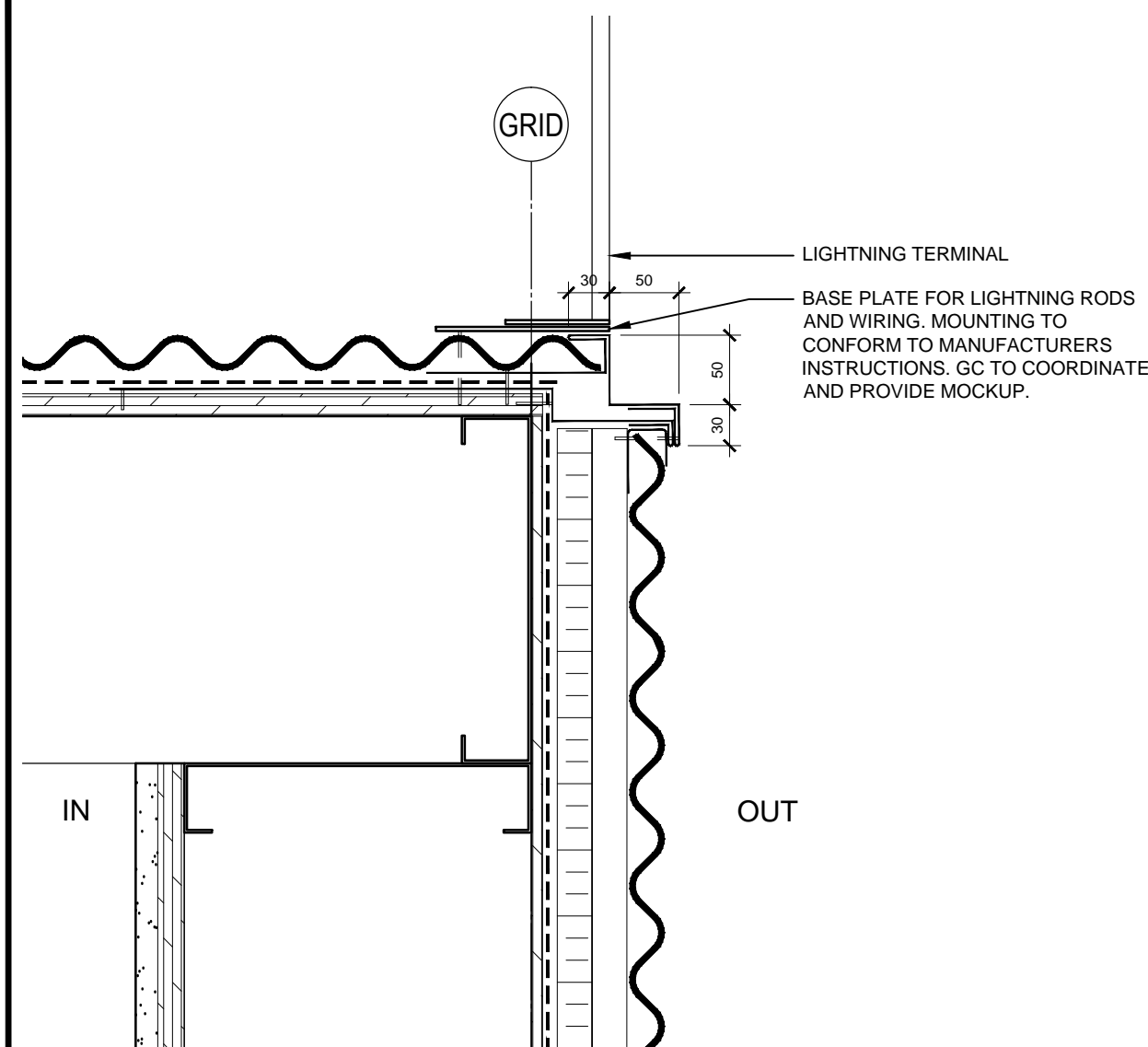
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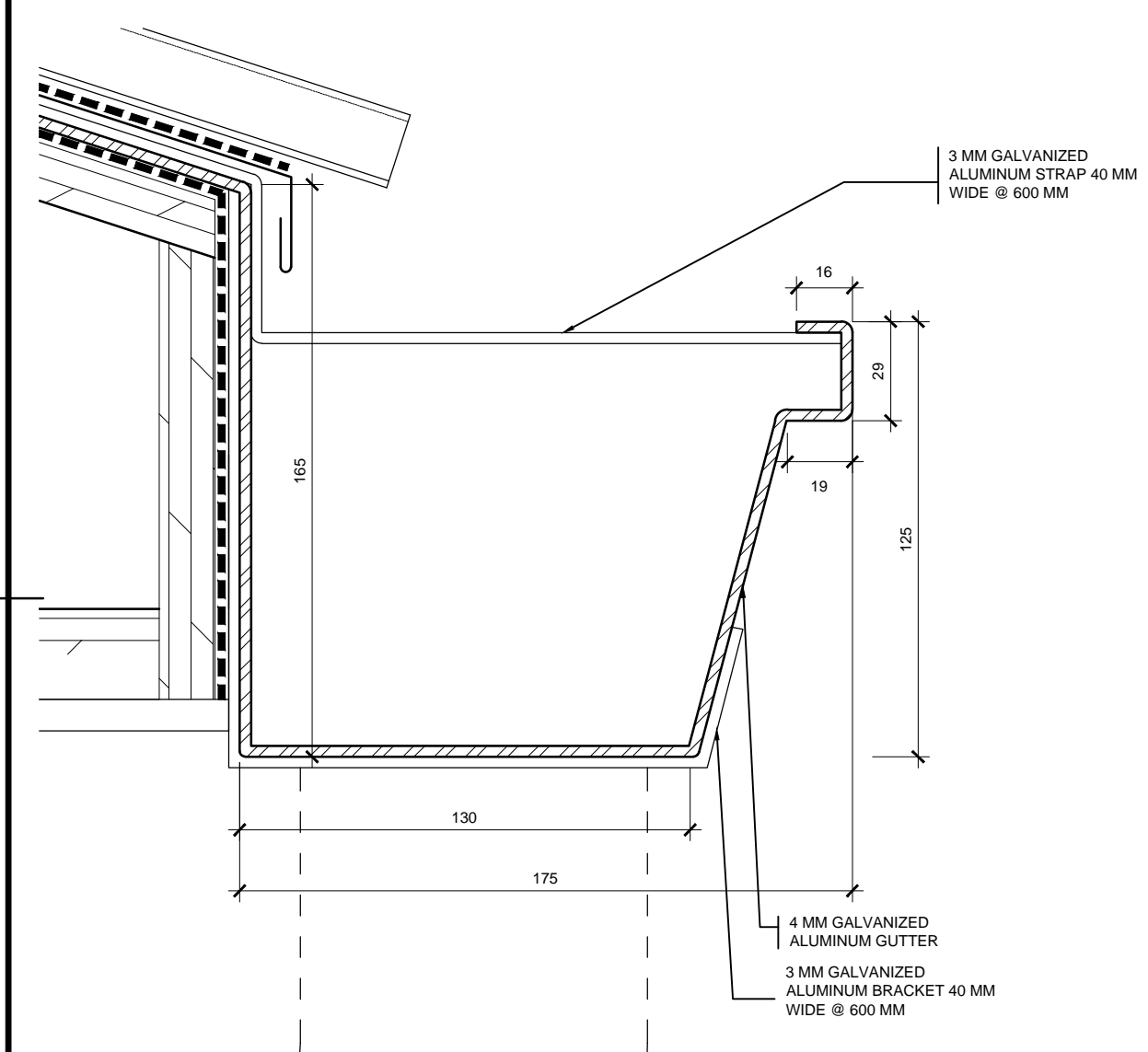
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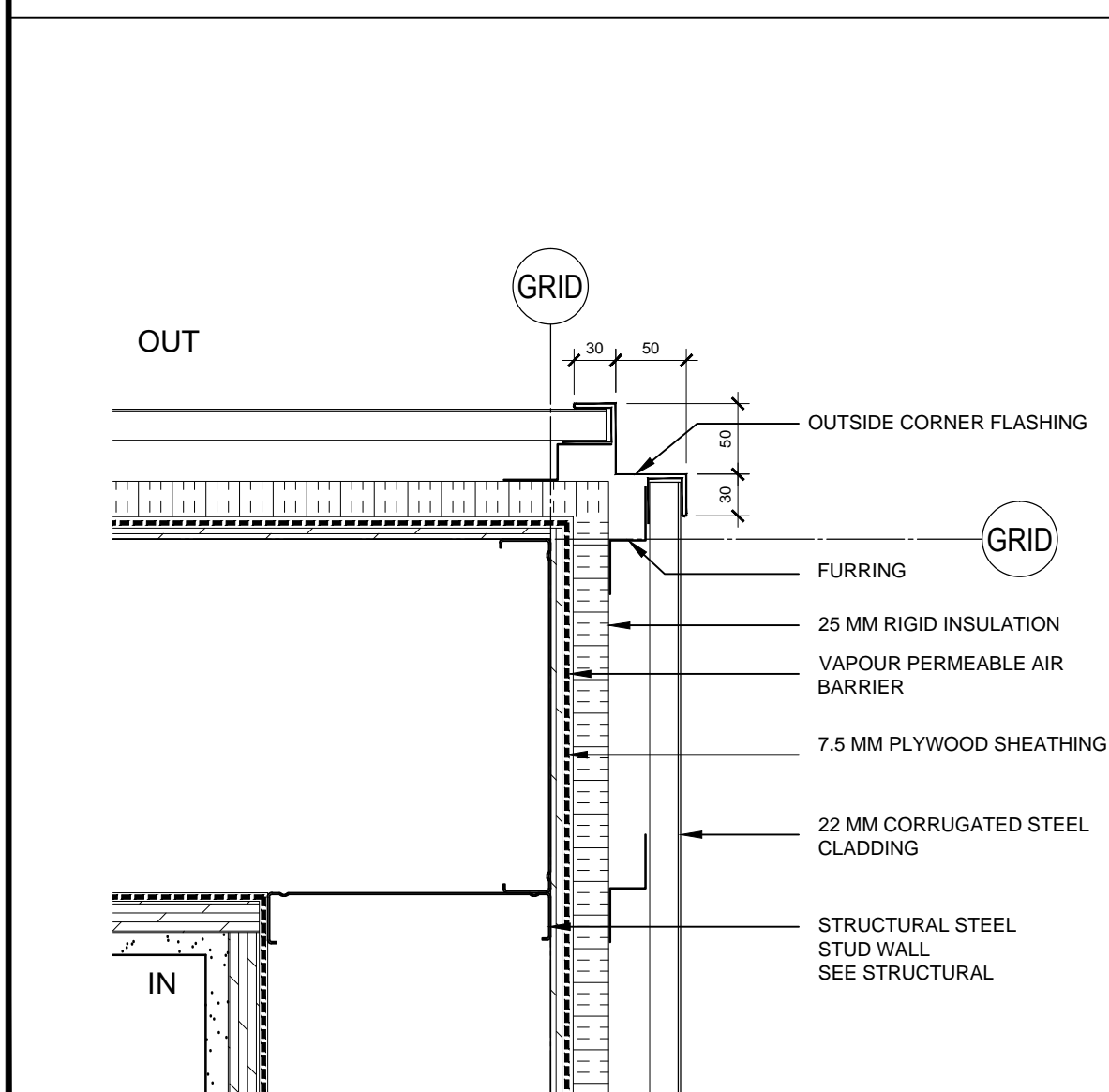
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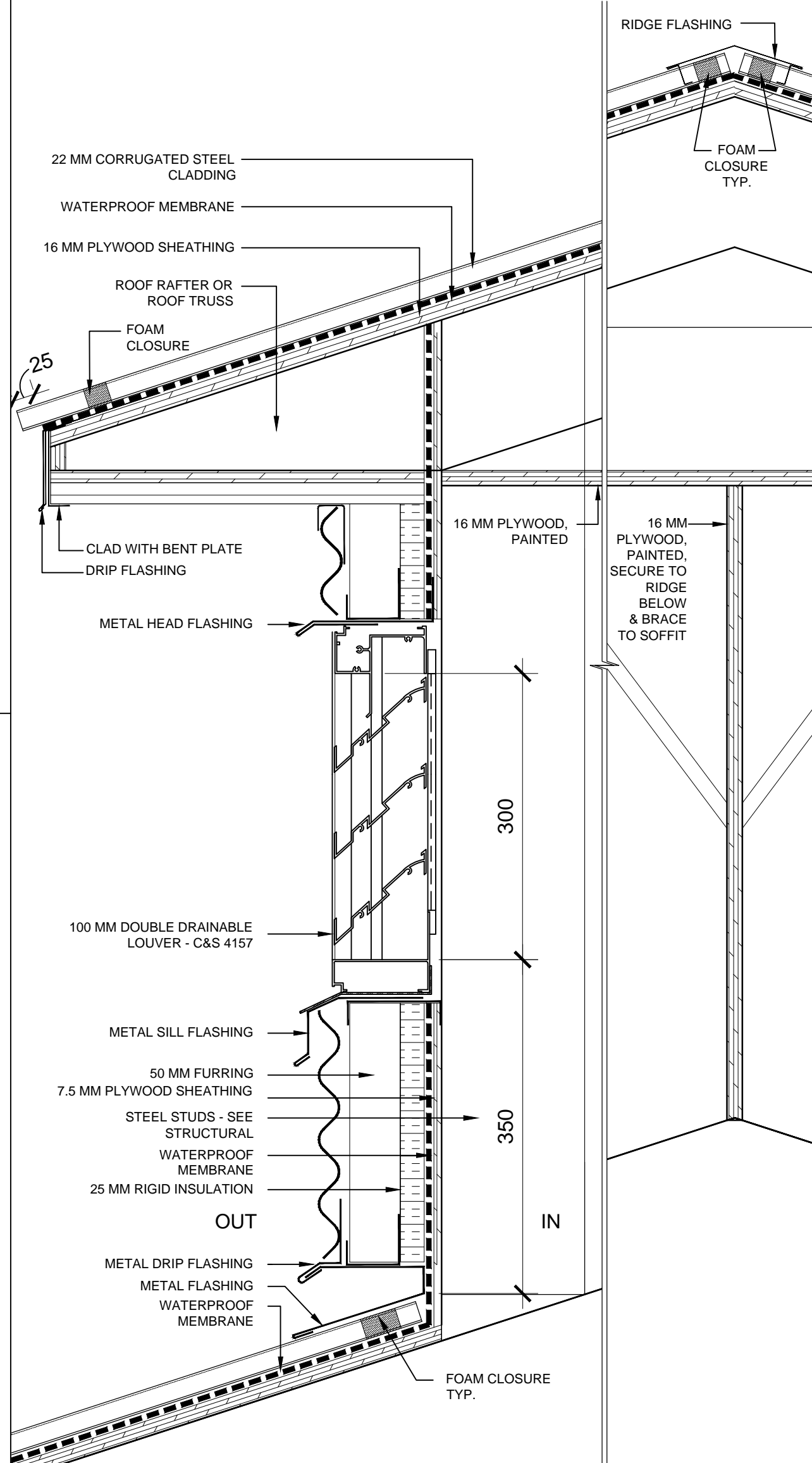
11 TYP DETAIL AT TOP OF WALL AND ROOF
A600 1:5



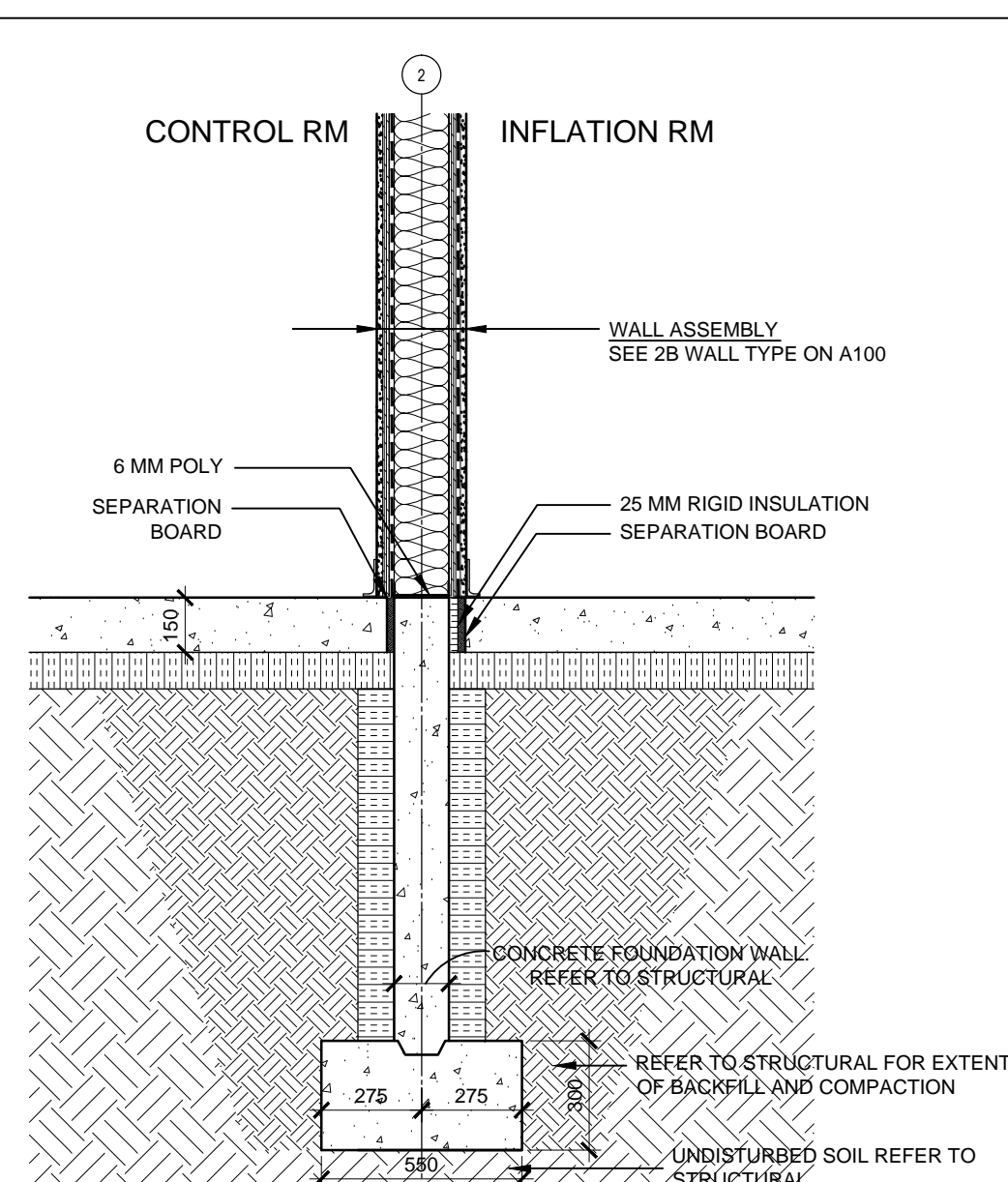
8 TYP BENT METAL GUTTER DETAIL
A600 1:2



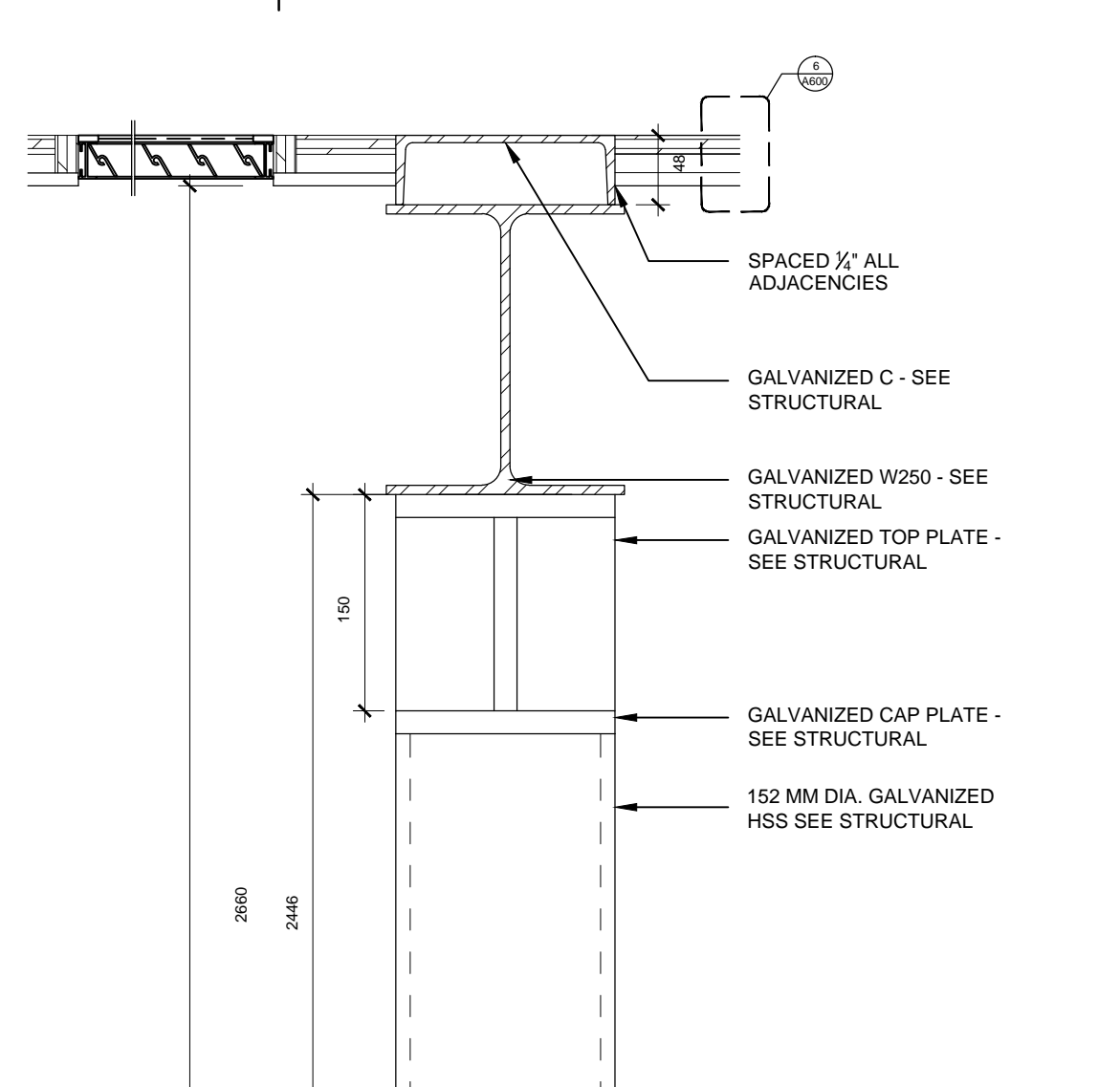
4 TYPICAL PLAN DETAIL AT CORNERS
A600 1:5



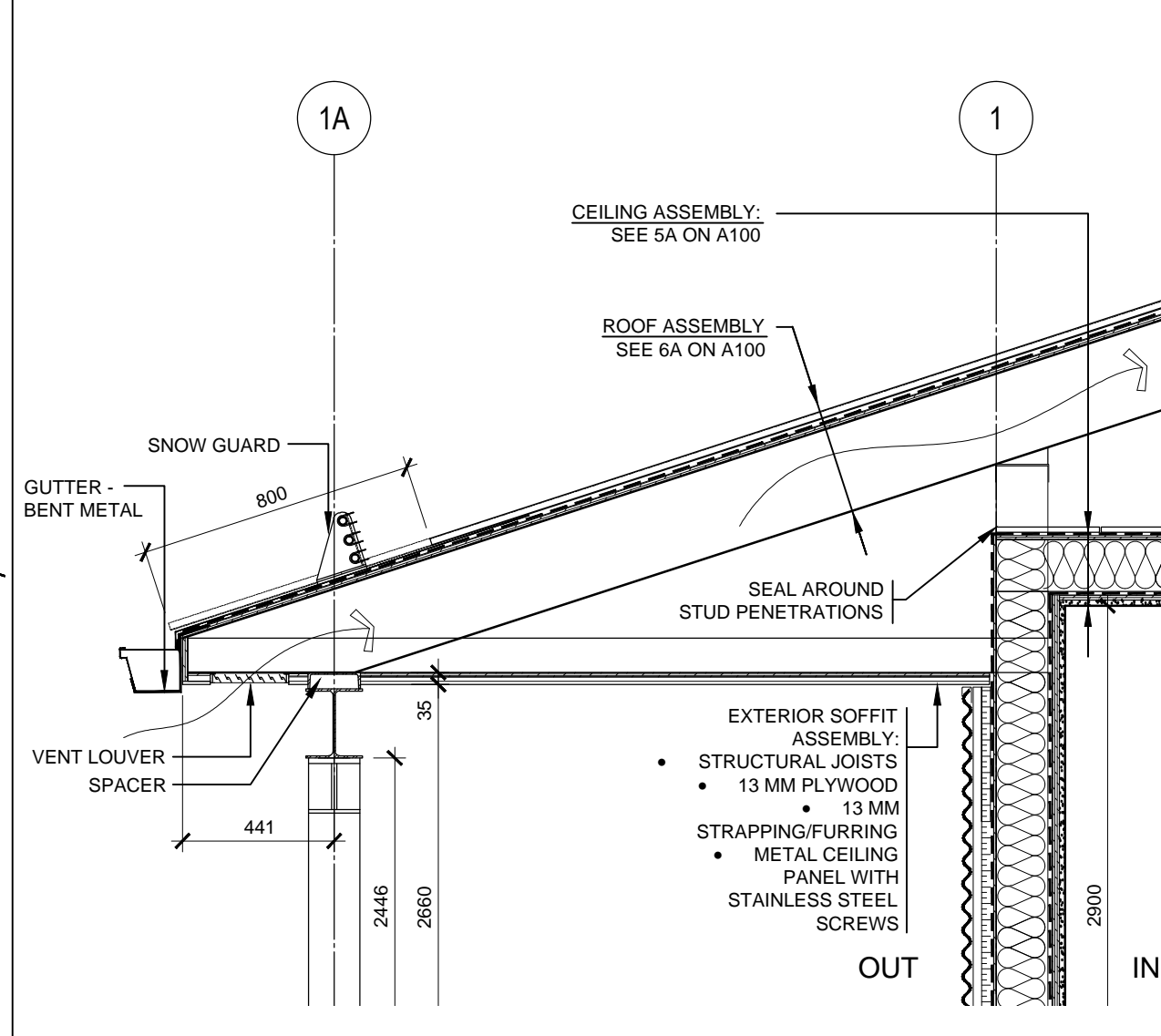
7 TYP DETAIL AT RIDGE LOUVER
A600 1:5



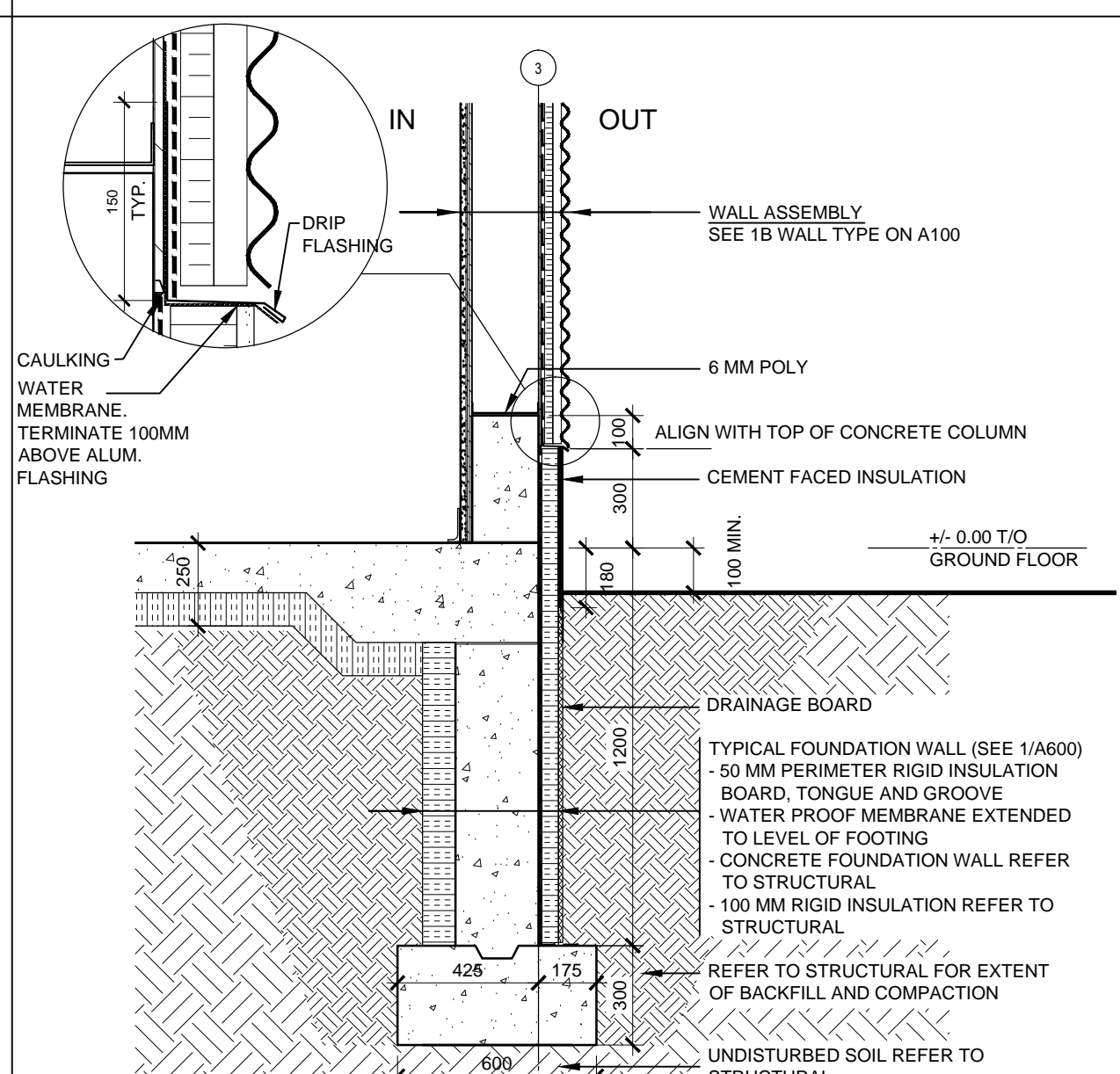
3 TYP FOUNDATION DETAIL @ GRIDLINE 2
A600 1:20



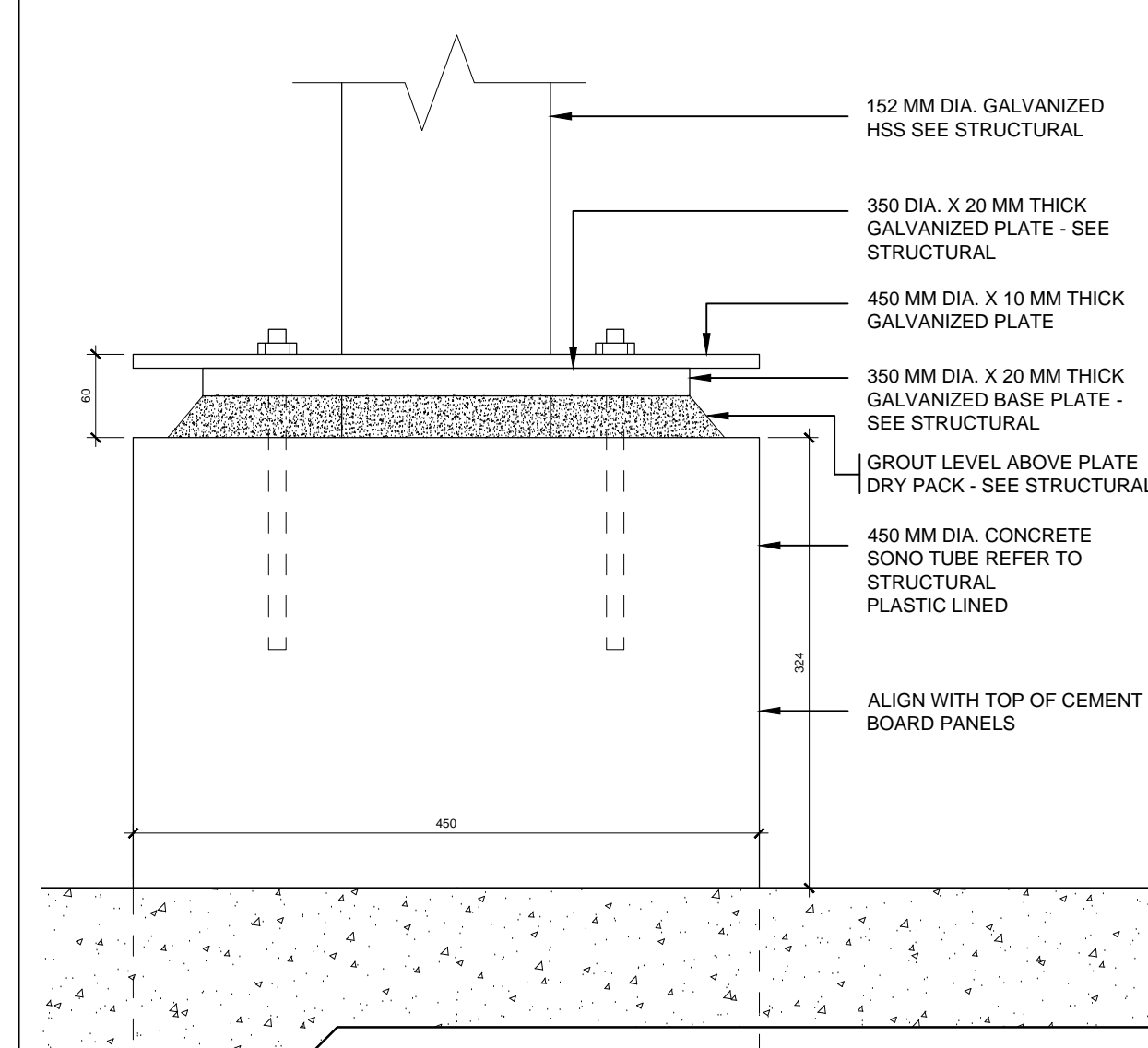
10 TYP DETAIL @ TOP OF COLUMNS
A600 1:20



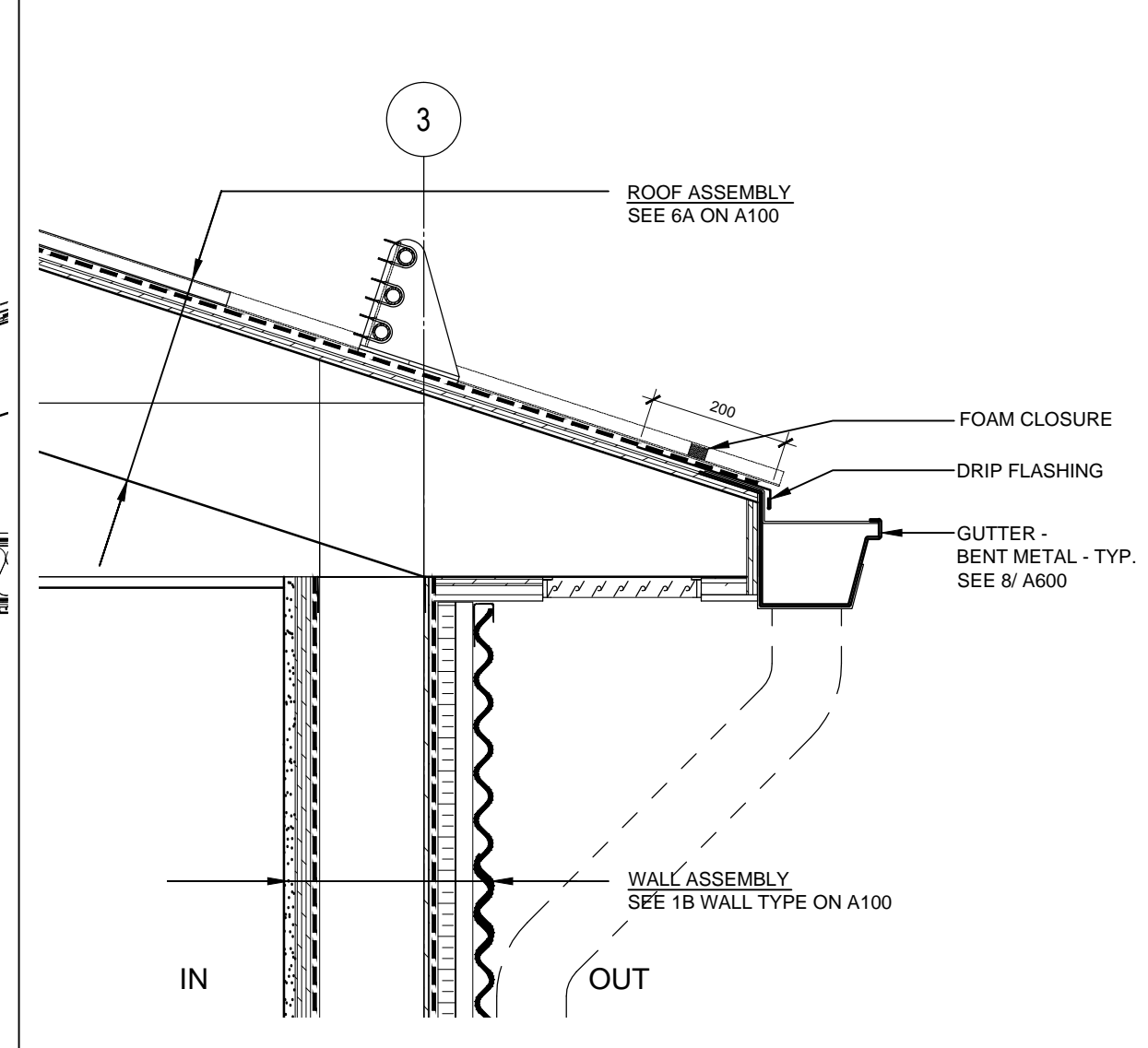
6 TYPICAL DETAIL AT ROOF OVERHANG
A600 1:20



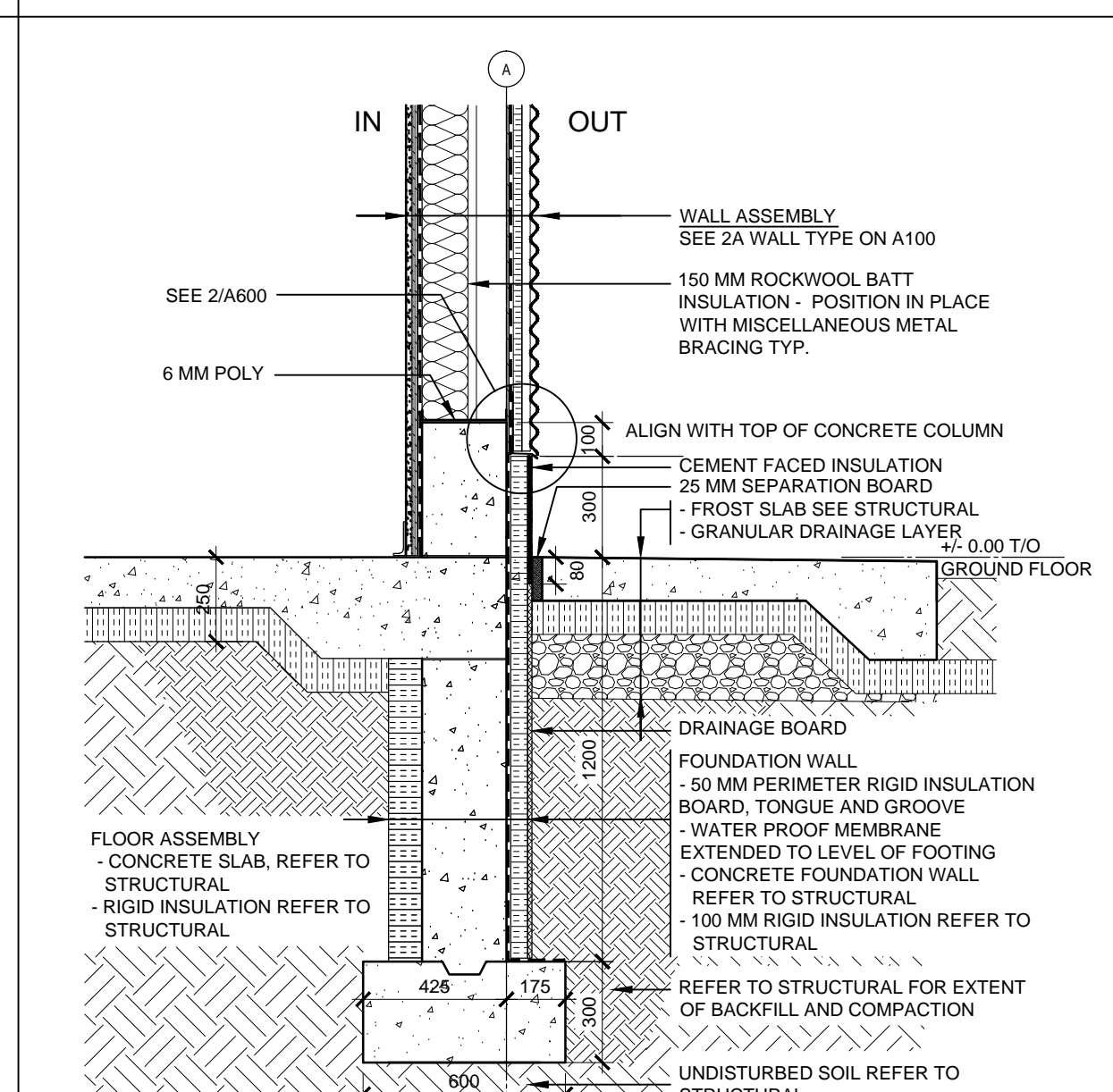
2 TYP FOUNDATION DETAIL @ GRIDLINE 3
A600 1:20



9 TYP DETAIL @ BASE OF COLUMNS
A600 1:5



5 ROOF DETAIL AT GRIDLINE 3 - TYPICAL
A600 1:10



1 TYP FOUNDATION DETAIL @ GRIDLINE A&B
A600 1:20

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6248 8TH LINE, LOL 1N0

NEW HYDROGEN GENERATION (HOGEN) AND BALLOON LAUNCHING BUILDING

drawing title
titre du dessin

HOGEN BUILDING DETAILS

drawn by
dessiné par LN

designed by
conc par CH

approved by
approuvé par CH

bid
offre

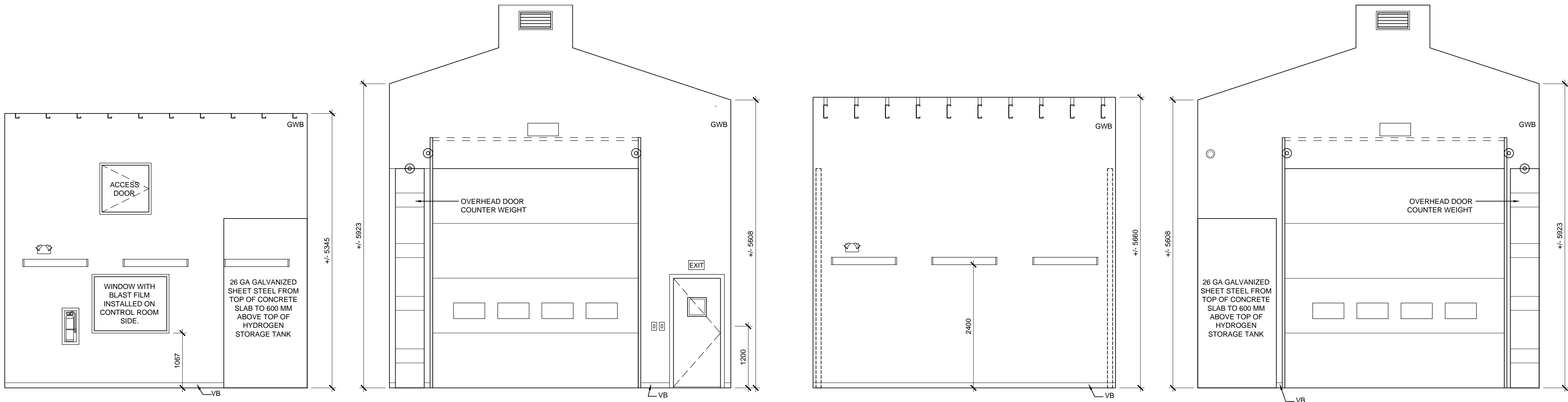
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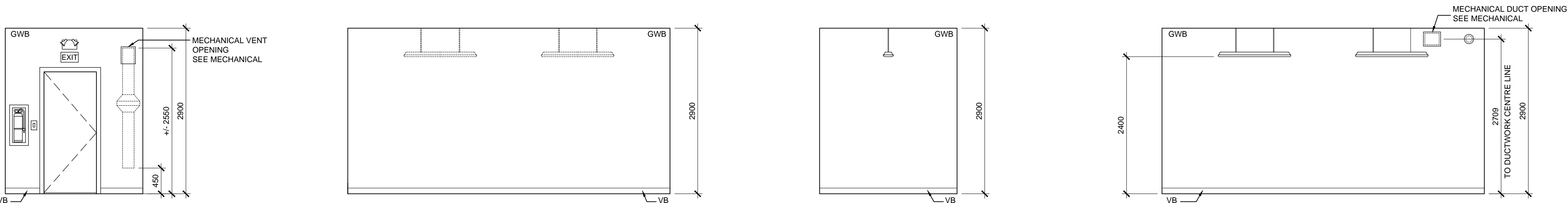


12 INFLATION RM - WEST ELEVATION
A800 1:50

11 INFLATION RM - SOUTH ELEVATION
A800 1:50

10 INFLATION RM - EAST ELEVATION
A800 1:50

9 INFLATION RM - NORTH ELEVATION
A800 1:50

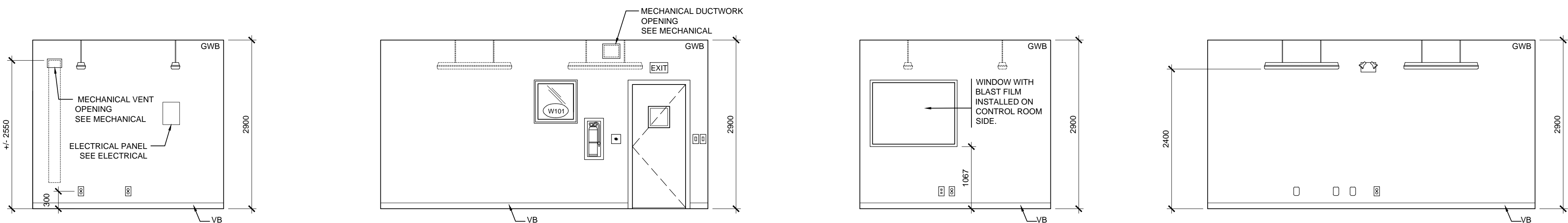


8 HOGEN RM - WEST ELEVATION
A800 1:50

7 HOGEN RM - SOUTH ELEVATION
A800 1:50

6 HOGEN RM - EAST ELEVATION
A800 1:50

5 HOGEN RM - NORTH ELEVATION
A800 1:50



4 CONTROL RM - WEST ELEVATION
A800 1:50

3 CONTROL RM - SOUTH ELEVATION
A800 1:50

2 CONTROL RM - EAST ELEVATION
A800 1:50

1 CONTROL RM - NORTH ELEVATION
A800 1:50

INTERIOR ELEVATION LEGEND	
	LIGHTING FIXTURE
	LIGHTING FIXTURE
	LIGHTING FIXTURE
	PICTORIAL EXIT SIGN
	EMERGENCY LIGHT
	LIGHT FIXTURE
	EMERGENCY PUSH BUTTON
	LIGHT SWITCH
	TELEPHONE AND DATA OUTLET
	RECEPTACLE
	FIRE EXTINGUISHER
	GYP SUM WALL BOARD
	VINYL BASEBOARD

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**NEW HYDROGEN GENERATION (HOGEN)
AND BALLOON LAUNCHING BUILDING**

drawing title
titre du dessin
**HOGEN BUILDING
INTERIOR ELEVATIONS**

drawn by
dessiné par **LN**

designed by
conc par **CH**

approved by
approuvé par **CH**

bid
offre

project manager
administrateur
de projets

project date
date du projet **2016-01-29**

project no.
no. du projet **R.071909.001**

drawing no.
dessiné no. **A800**

Louver Schedule

Louver No.	Louver Detail Number	Width	Height	Thickness	Finish	Notes
L101	7/A600	650	300	100	AL	40% Clear Area
L102	7/A600	5604	300	100	AL	40% Clear Area
L103	7/A600	650	300	100	AL	40% Clear Area
L104	7/A600	5604	300	100	AL	40% Clear Area
L105	10/A600	5772	200	25	AL	40% Clear Area
L106	10/A600	5772	200	25	AL	40% Clear Area

Window Types: See Drawing 10/A900
Louver Types: See specifications

Legend: AL Aluminum
Notes: General notes - Aluminum louvers with anodized finish.

11 LOUVER SCHEDULE
A900

Room Finish Schedule													
Room No.	Name	Walls									Floor	Ceiling	
		North		East		South		West		Base			
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH			MATERIAL	FINISH
100	HOGEN Room	GWB	PT1	GWB	PT1	GWB	PT1	GWB	PT1	Vinyl	Conc. 1	GWB	PT1
101	Inflation Room	GWB	PT1	GWB	PT1	GWB	PT1	GWB	PT1	Vinyl	Conc. 3	Exp. Str.	Prefinished
102	Control Room	GWB	PT1	GWB	PT1	GWB	PT1	GWB	PT1	Vinyl	Conc. 1	GWB	PT1

Notes
1. Interior floor finish in HOGEN and Control Room: Conc. 1
2. Exterior sidewalk finish: Conc. 2
3. Interior floor finish in Inflation Room: Conc. 3

Finishes
GWB Gypsum Wall Board
Exp. Str. Exposed Structure
Conc. 1 Exposed power steel trowel finish concrete with surface hardener and sealer - See specifications
Conc. 2 Exposed concrete with non-slippery finish - See specifications
Conc. 3 Exposed concrete with float finish - See specifications

Painting
PT1 Gypsum wallboard, level 4 finish, primed and painted 2 coats latex - colour white (TBD), egg shell finish

9 ROOM FINISH SCHEDULE
A900

Window Schedule

Window No.	Window Type	Glass Type	Width	Height	Window Material	Notes
W101	W1 - Awning	1	700	700	AL	
W102	W2 - Fixed	2	1500	1144	AL	Window with blast film installed on control room side. Bottom of window frame at 1067 MM A.F.F.

Window Types: See Drawing 4/A900
Glazing Types: See Glass and Glazing specifications - All glazing to be tempered glass.

Legend: AL Aluminum
Notes: General Note - Aluminum windows with anodized finish
Rough opening: Refer to 4/A900

5 WINDOW SCHEDULE
A900

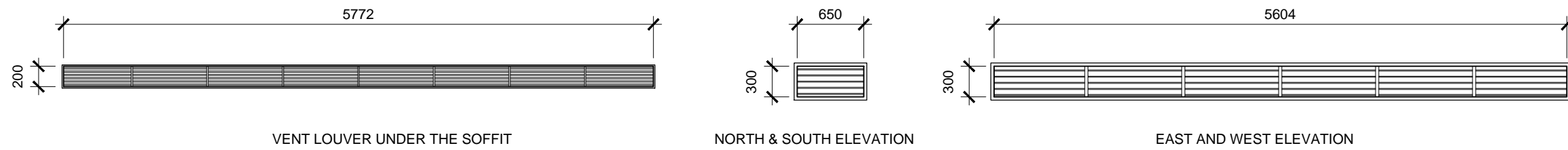
Door Schedule

Door No.	Door Type	Frame Type	Door Swing	Width	Height	Door Material	Frame Material	Glazing	Finish	Hardware	Notes
D101	D1	F1	Overhead	4270	4270	AL	AL	YES	Prefinished	By Hanover Doors	
D102	D2	F1	Overhead	4000	4270	AL	AL	YES	Prefinished	By Hanover Doors	
D103	D3	F2	Swing	915	2135	HM	HM	YES	Prefinished	See hardware schedule	
D104	D3	F2	Swing	915	2135	HM*	HM*	YES	Prefinished	See hardware schedule	Insulated door and frame
D105	D3	F2	Swing	915	2135	HM*	HM*	NO	Prefinished	See hardware schedule	Insulated door and frame
D106	D4	F3	Swing	915	915	HM	HM	NO	Prefinished	By anufacturer	

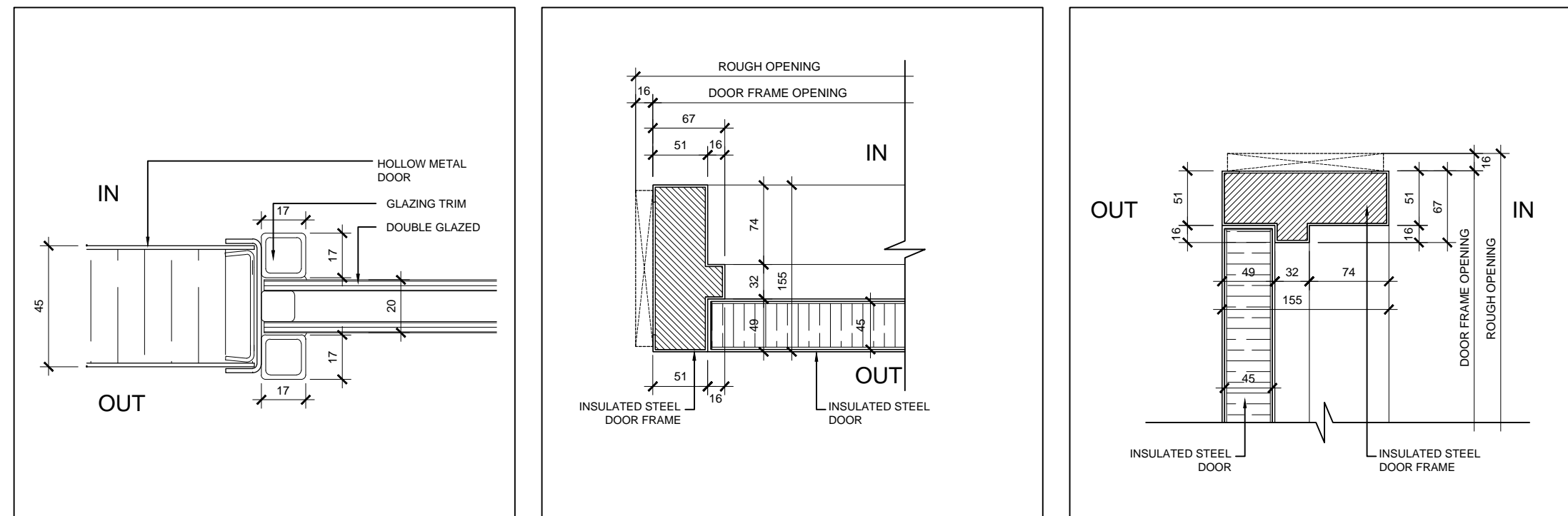
Door Types: See Drawing 1/A900
Frame Types: See Drawing 3/A900
Glazing Types: See Glass and Glazing specifications - All glazing to be tempered glass.

Legend: AL Aluminum
HM Hollow Metal
HM* Hollow Metal with Insulation
Notes: General Note - All insulated steel doors to be standard (45mm) thickness
Rough opening: Refer to 3/A900

2 DOOR SCHEDULE
A900



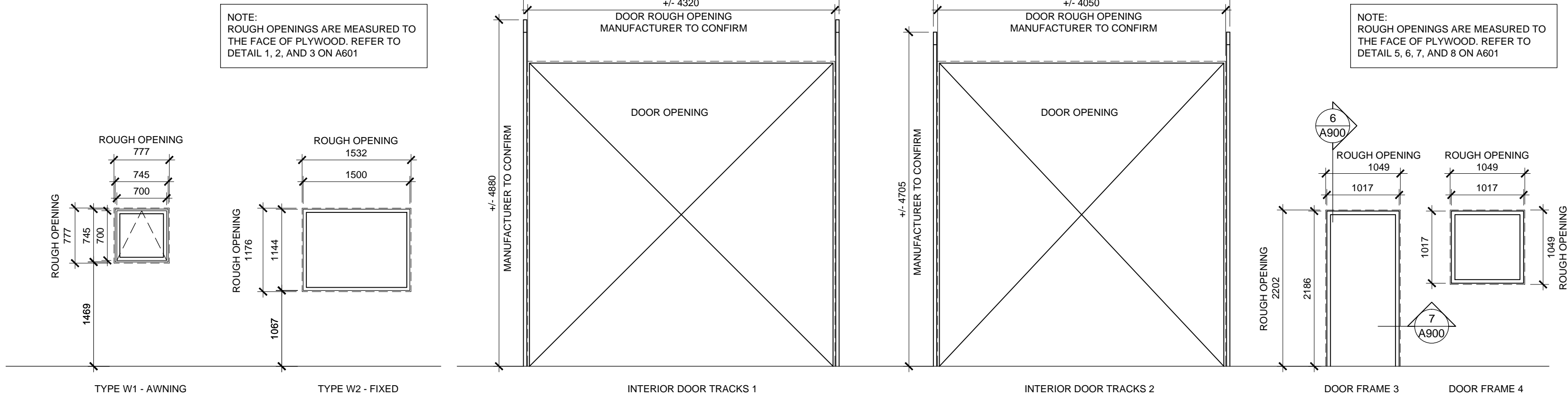
10 LOUVER TYPES
A900 1:50



8 TYP DOOR GLAZING
A900 1:2

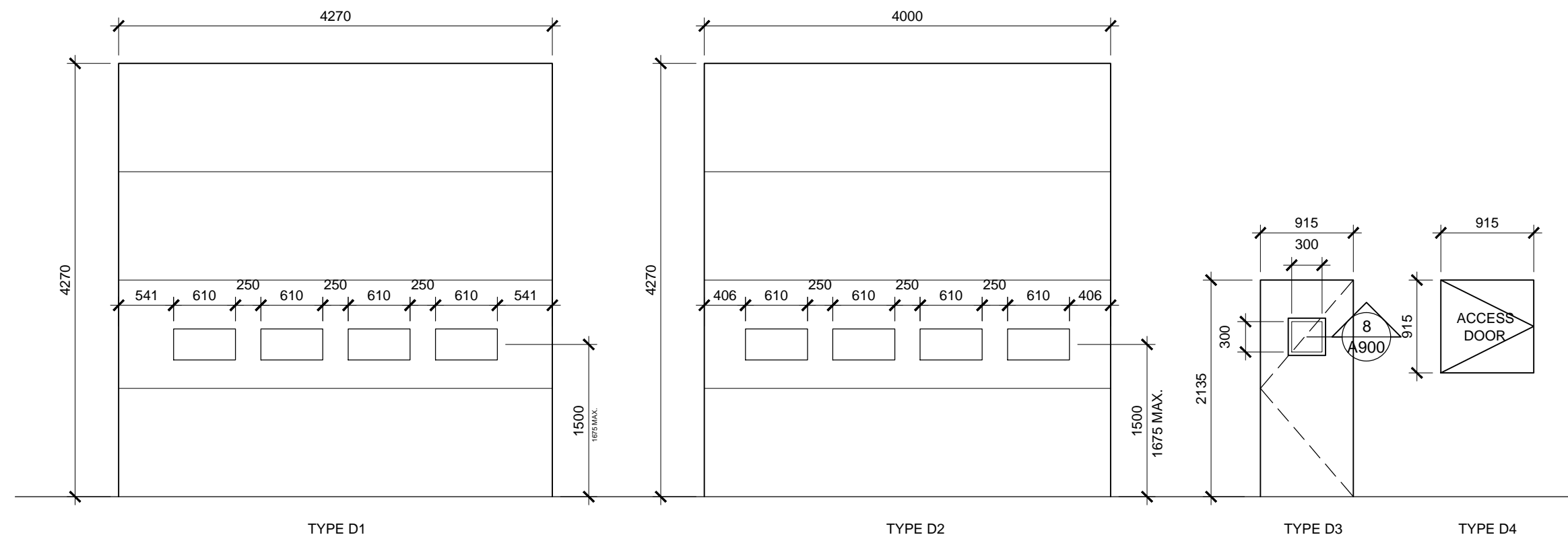
7 TYP DOOR JAMB
A900 1:5

6 TYP DOOR HEAD
A900 1:5



4 WINDOW TYPES
A900 1:50

3 DOOR FRAME AND TRACK TYPES
A900 1:50



1 DOOR TYPES
A900 1:50

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NEW HYDROGEN GENERATION (HOGEN) AND BALLOON LAUNCHING BUILDING
drawing title
titre du dessin
HOGEN BUILDING DOOR & WINDOW TYPES AND SCHEDULES

drawn by
dessiné par LN
designed by
conc par CH
approved by
approuvé par CH
bid
offre project manager
administrateur de projets
project date
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