

NRC HERZBERG ASTRONOMY AND ASTROPHYSICS ATP INTEGRATION FACILITY PHASE 2

5071 West Saanich Road
Victoria, British Columbia, Canada



SITE LOCATION PLAN

PROJECT TEAM

OWNER	HERZBERG ASTRONOMY AND ASTROPHYSICS NATIONAL RESEARCH COUNCIL CANADA
PROJECT MANAGER	PUBLIC WORKS AND GOVERNMENT SERVICES CANADA
DESIGN MANAGER	PUBLIC WORKS AND GOVERNMENT SERVICES CANADA
ARCHITECT	CHERNOFF THOMPSON ARCHITECTS
STRUCTURAL	CWMM CONSULTING ENGINEERS LTD.
MECHANICAL	AME GROUP
ELECTRICAL	AES ENGINEERING
CIVIL	WESTBROOK CONSULTING



BIRD'S EYE VIEW OF SOUTHWEST CORNER

DRAWING LIST: PHASE 2

ARCHITECTURAL

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MECHANICAL

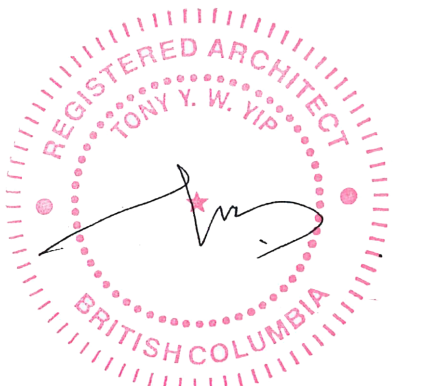
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CIVIL

SC01	PHASE 2 SERVICING PLAN DETAILS
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1	DESIGN DEVELOPMENT	2016.01.27
0	Schematic Design	2015.12.07

Client/client

Project title/Titre du projet
**5071 WEST SAANICH ROAD
VICTORIA, BC, CANADA**

**NRC HERZBERG
ASTRONOMY AND ASTROPHYSICS
ATP INTEGRATION FACILITY**

Consultant Signature Only

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PAUL PREETIPAL

Drawing title/Titre du dessin

COVER SHEET

Project No./No. du projet R.077596.001	Sheet/Feuille SA01 OF 22	Revision no./ La Révision no. 6
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PROJECT DATA

LEGAL DESCRIPTION:	LOT A LAKE LAND DISTRICT PLAN 17972 SECTION 62-64.
CIVIC ADDRESS:	5071 WEST SAANICH ROAD, VICTORIA, BRITISH COLUMBIA CANADA V9E 2E7
SITE AREA:	65.9268 HA
ZONING:	P-1 ASSEMBLY

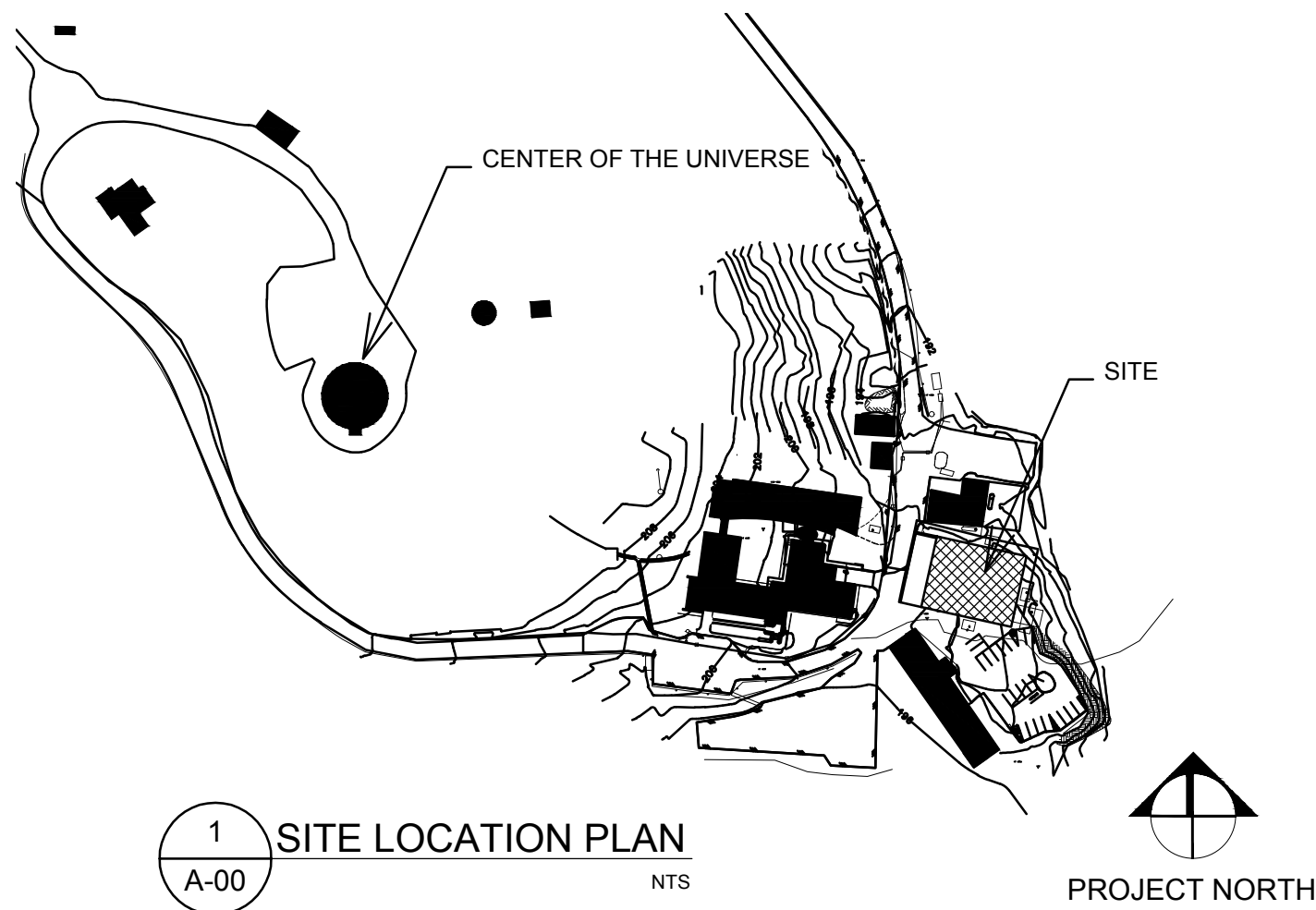
BUILDING CODE ANALYSIS

CODE REFERENCE:	NBC 2015
MAJOR OCCUPANCY:	GROUP F2 (MEDIUM HAZARD INDUSTRIAL OCCUPANCY)
CONSTRUCTION REQUIREMENT:	NON-COMBUSTIBLE CONSTRUCTION PROVIDED
BUILDING AREA:	700.86 SQ. METERS
AREA OF MEZZANINE:	34.5 SQ. METERS
BUILDING HEIGHT:	1 STOREY
BUILDING CODE CLASSIFICATION:	3.2.2.72 (GROUP F, DIVISION 2) UP TO 2 STOREY, SPRINKLERED. MEZZANINE - NO FIRE RATING REQUIRED FOR NON-COMBUSTIBLE CONSTRUCTION.
GRADE:	194.7M
FIRST STOREY:	MAIN FLOOR (ELEVATION: 196.4M)
PRINCIPAL ENTRANCE:	DOOR 101a ON WEST WALL
TRAVEL DISTANCE	45M
SPRINKLER:	PROVIDED ACCORDING TO NFPA13
FIRE SEPARATION:	0HR FRR BETWEEN ELECTRICAL ROOM AND THE REST OF THE BUILDING
OCCUPANT LOAD CALCULATIONS REGULAR USE: MAXIMUM INCLUDING VISITORS:	2 TO 12 20
PLUMBING FIXTURE CALCULATION BASED ON TABLE 3.7.1 REQUIRED: PROVIDED: ACCESSIBILITY ACCESSIBLE ENTRANCE IS PROVIDED AT THE WEST ENTRANCE. UNIVERSAL TOILET ROOM IS PROVIDED.	1 MALE + 1 FEMALE 1 UNIVERSAL TOILET ROOM + 1 UNIVERSAL UNISEX WASHROOM

SPATIAL SEPARATION
OWING TO THE CLOSE PROXIMITY OF THE ADJACENT SITE SERVICES BUILDING AND THE NEW INTEGRATION FACILITY, A 2HR EXTERIOR WALL OF NON-COMBUSTIBLE CONSTRUCTION AND CLADDING IS REQUIRED ON THE NORTH WALL OF THE NEW BUILDING, MATCHING THE LENGTH OF THE ADJACENT BUILDING. SPRINKLER IS REQUIRED FOR BOTH BUILDINGS, AS SUCH, A NEW SPRINKLER SYSTEM IS PROVIDED TO THE EXISTING SITE SERVICES BUILDING.

DEMOLITION NOTES:

- DEMOLITION DRAWING ONLY SHOWS THE GENERAL SCOPE OF DEMOLITION. CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING AND CARRYING OUT ALL NECESSARY DEMOLITION NOT SHOWN IN ORDER TO CLEAR UP THE PROJECT SITE READY FOR NEW BUILDING & NEW SITE IMPROVEMENT WORK.
- DEMOLISH EXISTING PARKING AS SHOWN ON DEMOLITION PLAN.
- DISCONNECT AND CAP OFF ALL UTILITY SERVICES INCLUDING GAS, WATER, SANITARY, STORM AND ELECTRICAL SERVICES. ALSO REFER TO MECHANICAL, ELECTRICAL & CIVIL DRAWINGS FOR SCOPE OF WORK.
- PROTECT EXISTING TREES TO BE RETAINED AS NEEDED DURING DEMOLITION.
- ALL DEMOLISHED MATERIAL AND DEBRIS TO BE REMOVED PROMPTLY FROM SITE AND DISPOSED OF IN A LEGAL MANNER.
- SELLING OF ANY MATERIALS ON SITE IS NOT PERMITTED.
- CONTRACTOR TO REMOVE ALL EXISTING LANDSCAPE AND PAVING ON SITE BUT NOT LIMITING TO THOSE SHOWN ON DRAWINGS TO PREPARE THE SITE FOR NEW SITE WORK.
- COMPLY WITH ALL BYLAWS AND ACQUIRE ALL NECESSARY PERMITS.
- COMPLY WITH ALL WORKER'S COMPENSATION BOARD OF BC. ACCIDENT PREVENTION REGULATIONS.



ARCHITECTURAL SYMBOLS

	DRAWING TITLE 1 : 100	DRAWING IDENTIFICATION
	GRID LINES	
	ELEVATION/SECT. MARKERS	
	SECTION MARKERS	
	BUILDING SECTION	
	INTERIOR ELEVATION MARKERS	
	DETAIL REFERENCE	
	NEW ELEV.	
	PLAN ELEVATION MARKERS	
	WALL TYPE IDENTIFICATION	
	WINDOW TYPE IDENTIFICATION	
	DOOR NUMBER IDENTIFICATION	
	ROOM NAME & NUMBER IDENTIFICATION	
	SCHEDULE REFERENCE	
	CEILING HEIGHT IDENTIFICATION	
	CONSTRUCTION NOTE REFERENCE	

GENERAL CONSTRUCTION NOTES:

- UNLESS NOTED ON DRAWINGS, TYPICAL INTERIOR WALL TO BE TYPE W1. TYPICAL EXTERIOR WALL TO BE TYPE EW 1.
- ALL INTERIOR PARTITIONS TO BE CONSTRUCTED TO THE UNDERSIDE OF GWB CEILING UNLESS NOTED OTHERWISE.
- ALL FIRE SEPARATION TO BE TERMINATE AT AN EXTERIOR WALL, OR UNDERSIDE OF FLOOR SLAB
- ALL GWB TO BE MOISTURE RESISTANT. ALL WALL TILES AREA TO BE INSTALLED ON FIBER CEMENT BACKING BOARD.
- WALL TYPES ARE TO BE CONTINUOUS ABOVE DOORS U.N.O.
- WALL DIMENSIONS TO CENTRE OF STUD WALL, TO FACE OF GWB FOR WALL OPENING.
- ALL DOOR FRAMES TO BE 2" AWAY FROM FINISHED FACE OF WALL U.N.O.
- ALL EXTERIOR STEEL FABRICATION EXPOSED TO VIEW TO BE HOT-DIPPED GALVANIZED.
- PROVIDE DEFLECTION HEADER FOR ALL INTERIOR STEEL STUD WALLS, UNDER STRUCTURAL BEAMS AND DECK.
- PROVIDE 100MM HIGH CONCRETE HOUSE KEEPING PAD TO ALL FLOOR MOUNTED EQUIPMENT. (COORDINATE WITH MECHANICAL.)
- PROVIDE FIRE RETARDANT PLYWOOD (1220mmX2438mmX19mm THK. PAINTED) WITH FSR OF NOT MORE THAN 25 ON ALL SIDES OF ELECTRICAL ROOM, MECHANICAL ROOM, COMMUNICATION ROOM, AND BEHIND ALL ELECTRICAL PANELS ON PERIMETER WALLS, SEE 1/A06 AND 1/E1.0 FOR LOCATIONS OF ELECTRICAL PANELS.

EXTRIOR WALL TYPES:

EW1		TYP. METAL CLADDING - METAL PANEL CLADDING ON - HORIZONTAL Z-GIRT / 25mm GAP - Z-GIRT ON NEOPRENE GASKET SEPARATOR - 86 mm THK SPRAY-ON INSULATION (R22) - 15.9mm EXTERIOR GRADE WATER-RESISTANT GWB - 92mm STEEL STUD
EW1a		TYP. METAL CLADDING WITH FURRING WALL INSIDE - METAL PANEL CLADDING ON - HORIZONTAL Z-GIRT / 25mm GAP - Z-GIRT ON NEOPRENE GASKET SEPARATOR - 86 mm THK SPRAY-ON INSULATION (R22) - 15.9mm WATER-RESISTANT GWB - 92mm STEEL STUD - 200mm C-CHANNEL (STRUCTURAL) - 92mm STEEL STUD - 15.9mm GWB
EW2		2 HR. FRR EXTERIOR WALL ASSEMBLY: - METAL PANEL CLADDING ON - HORIZONTAL Z-GIRT / 25mm GAP - Z-GIRT ON NEOPRENE GASKET SEPARATOR - 86 mm THK SPRAY-ON INSULATION (R22) - 190mm CONCRETE BLOCK - 15.9mm GWB
EW2a		2 HR. FRR EXTERIOR WALL ASSEMBLY: - METAL PANEL CLADDING ON - HORIZONTAL Z-GIRT / 25mm GAP - Z-GIRT ON NEOPRENE GASKET SEPARATOR - 86 mm THK SPRAY-ON INSULATION (R22) - 190mm CONCRETE BLOCK - 92mm STEEL STUD - 15.9mm GWB
EW3		TYP. BELOW GRADE WALL - CEMENT BOARD (DOWN 400mm BELOW GRADE) - HORIZ. Z-GIRT FOR CEMENT BOARD - GAP - DRAINAGE MAT - VERT. Z-GIRT FOR CEMENT BOARD - 50 MM THK RIGID INSULATION - SBS TORCH-ON MEMBRANE - CONCRETE WALL BELOW GRADE USE CEMENT BOARD

INTERIOR WALL TYPE SCHEDULE

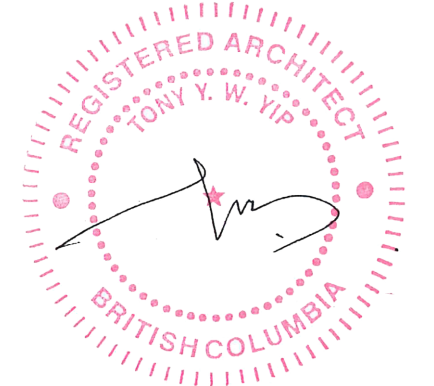
W1		TYP. 92mm STUD WALL - 15.9mm THK GWB - 92 STL STUD @ 400 O.C. - 15.9mm THK GWB
W2		TYP. PLUMBING WALL - 15.9mm THK GWB - 152mm STL STUD @ 400 O.C. FILLED WITH ACOUSTIC BATT INSULATION - 15.9mm THK GWB
W3		TYP. DOUBLE STUD WALL - 15.9mm THK GWB - 92mm STL STUD @ 400 O.C. - 152mm STL STUD @ 400 O.C. - 15.9mm THK GWB

ROOF TYPE SCHEDULE

R1		TYP. FLAT ROOF - 2 PLY SBS ROOFING MEMBRANE - 1 LAYER PROTECTION BOARD - 141MM RIGID INSULATION (R28) - SELF-ADHESIVE VAPOUR RETARDANT MEMBRANE - 15.9MM EXTERIOR GRADE GYPSUM ROOF BOARD - ROOF DECK ON ROOF STRUCTURE SLOPE TO DRAIN
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FLOOR TYPE SCHEDULE

F1		TYP. RAFT SLAB / SLAB ON GRADE - REINFORCED CONCRETE SLAB WITH SLOPED TO DRAIN - WATERPROOFING MEMBRANE - 10 MIL POLY VAPOUR BARRIER - COMPACTED CRUSHED GRAVEL AS PER GEOTECHNICAL REQUIREMENT
F2		MEZZANINE FLOOR CONSTRUCTION: - 62mm CONCRETE TOPPING ON - 38mm DEEP COMPOSITE STEEL DECK



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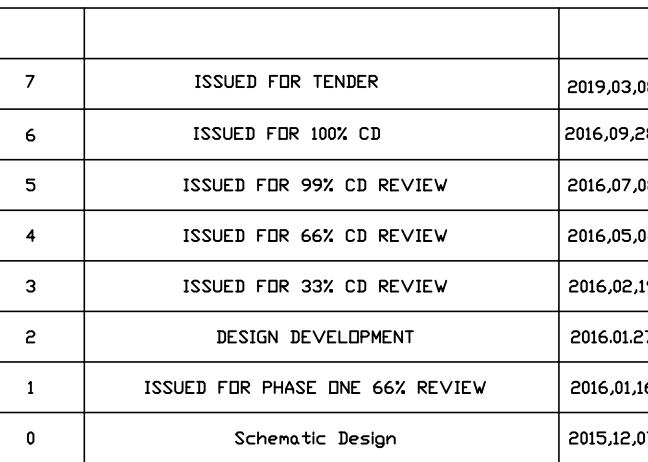
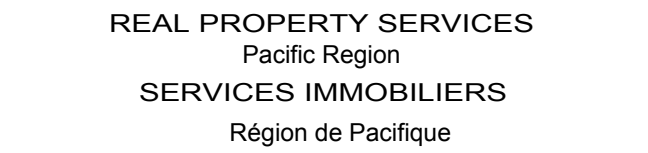
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Drawing title/Titre du dessin

PROJECT DATA

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EXISTING SITE PLAN



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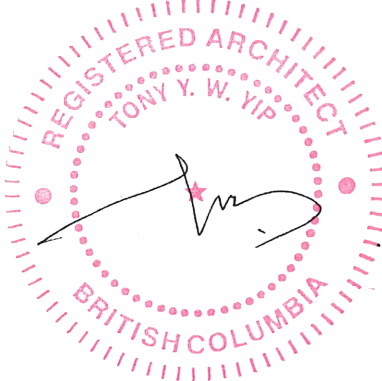


Public Works and
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Canada

Travaux publics et
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Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
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CHERNOFF THOMPSON
ARCHITECTS



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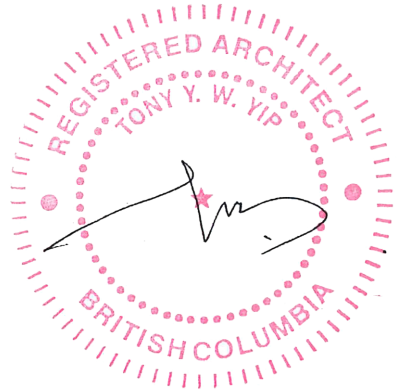
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NEW SITE PLAN

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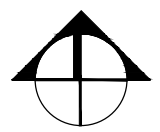
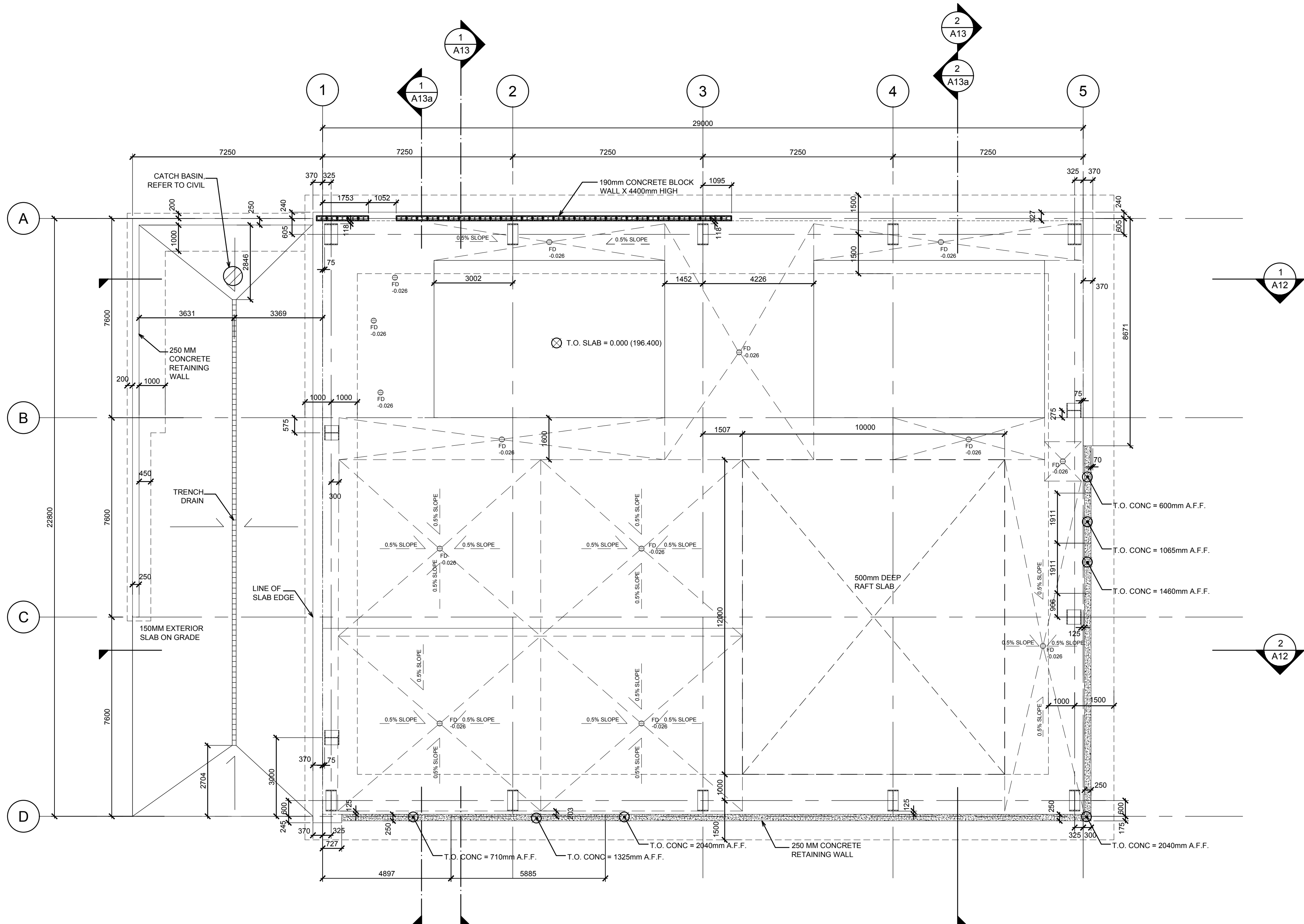
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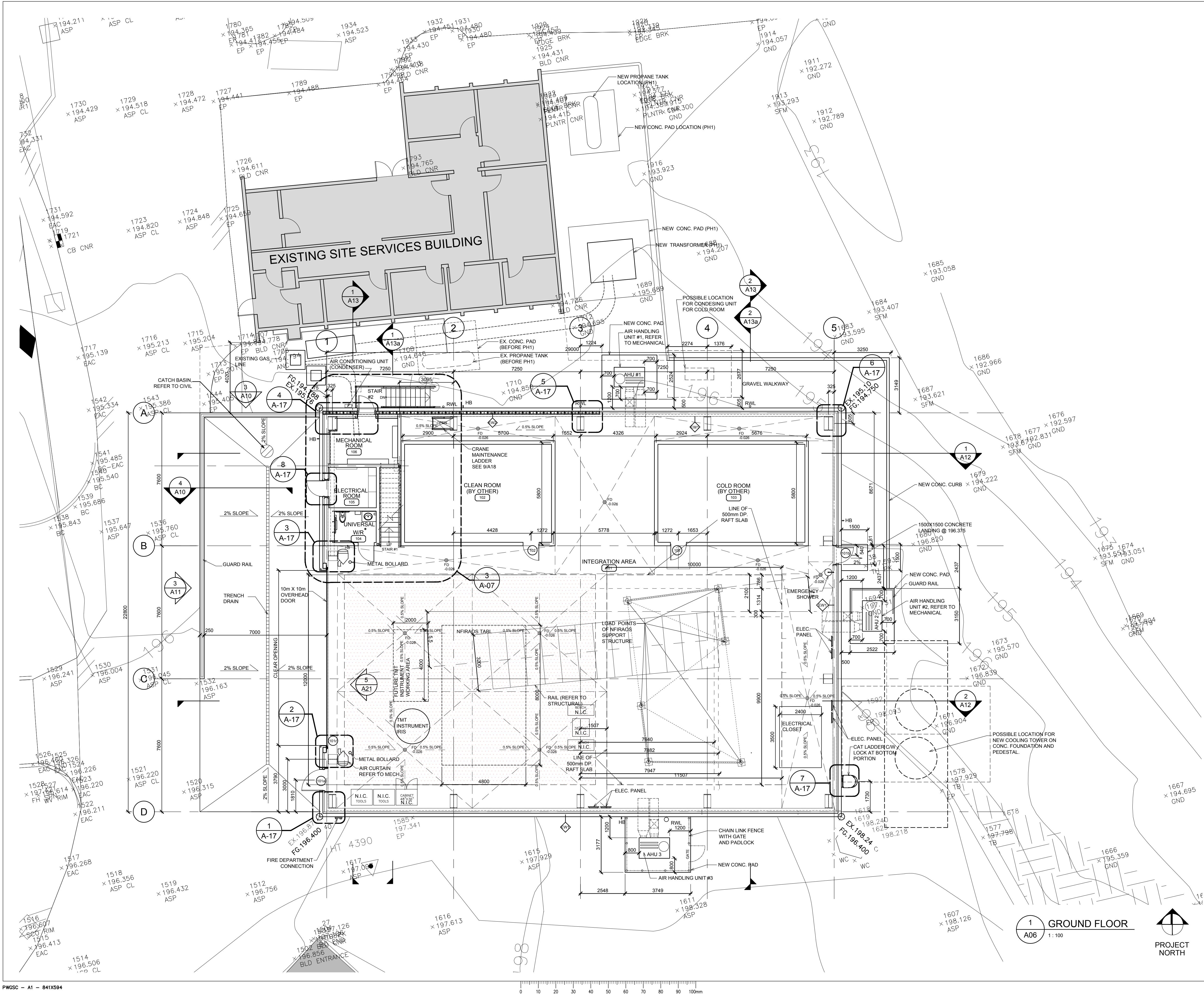
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GROUND FLOOR SLAB EDGE PLAN

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PROJECT
NORTH






Public Works and
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Canada

Travaux publics et
Services gouvernementaux
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REAL PROPERTY SERVICES
Pacific Region
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CHERNOFF THOMPSON
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GROUND FLOOR PLAN

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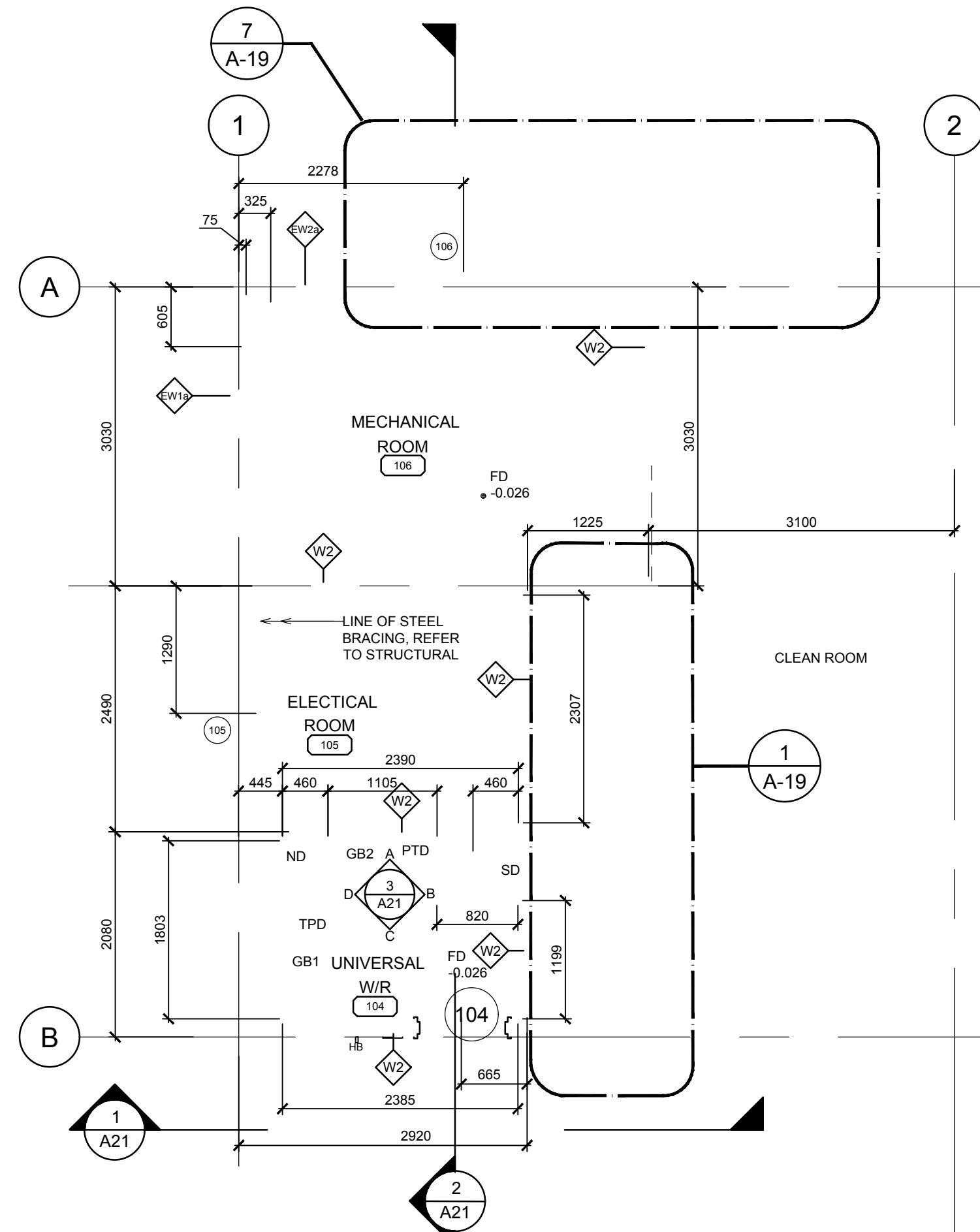
PLAN AT 5.7M

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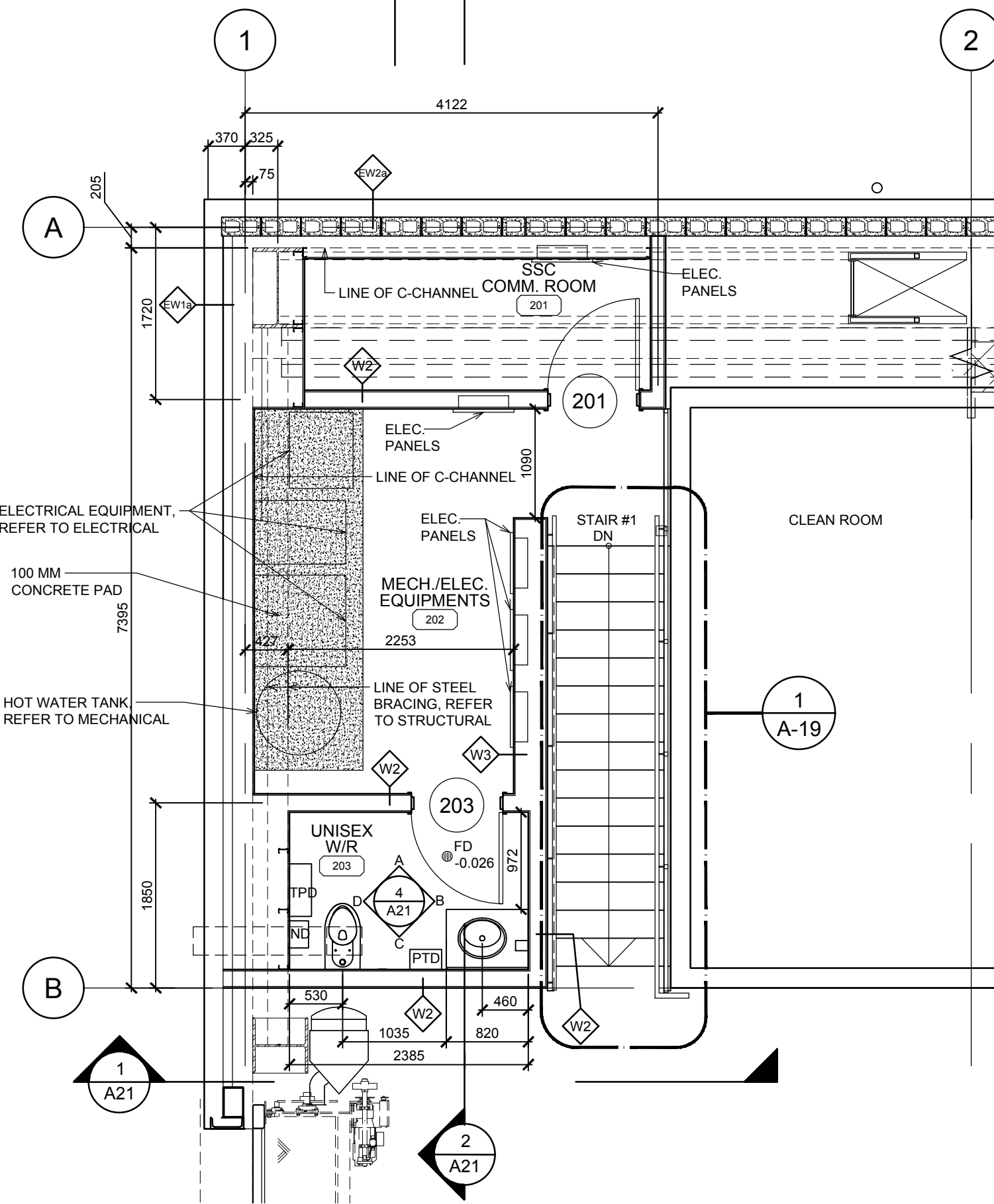
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SA07

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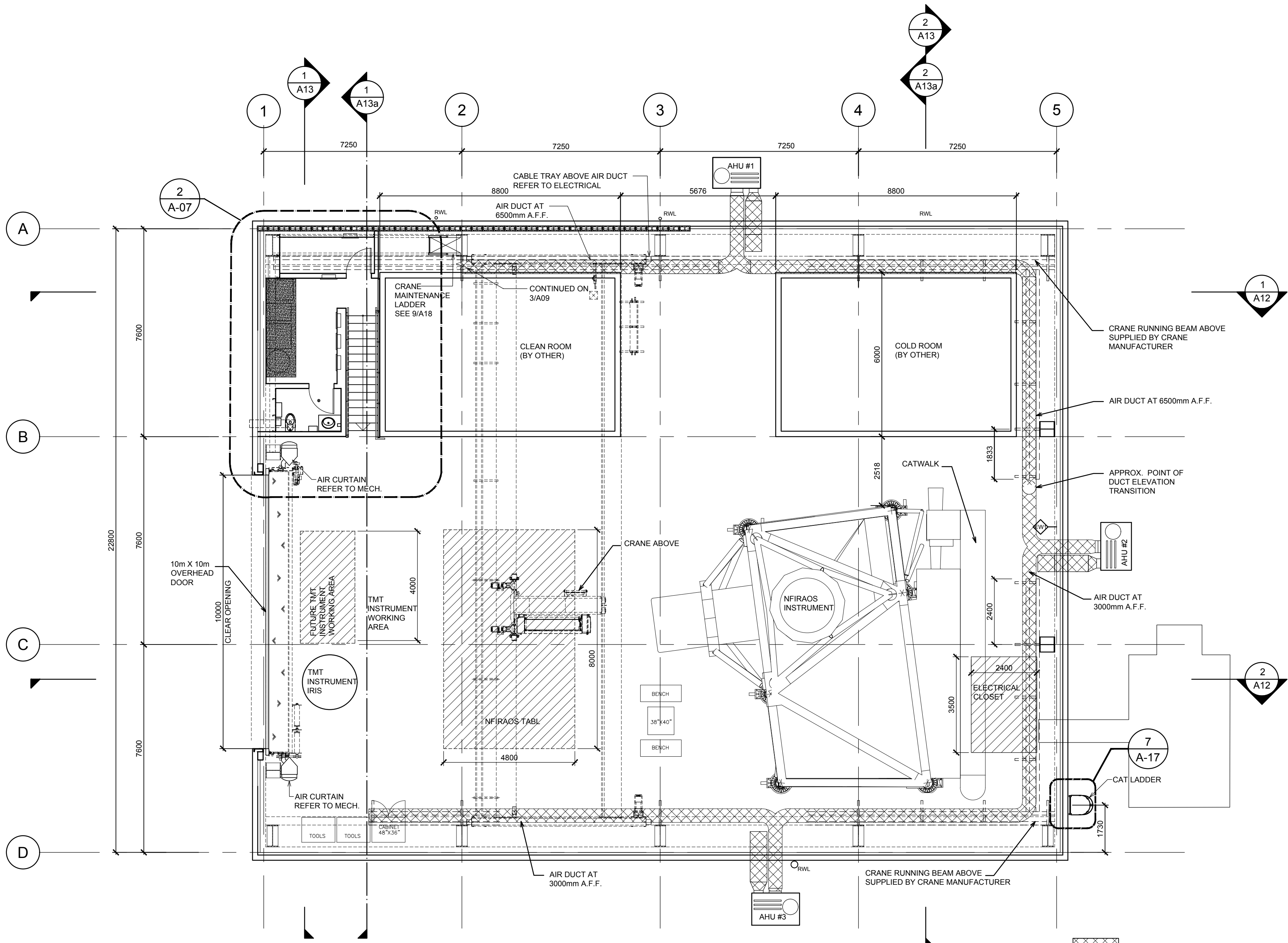
OF 22



3 PARTIAL PLAN GROUND FLOOR
A07 1:50

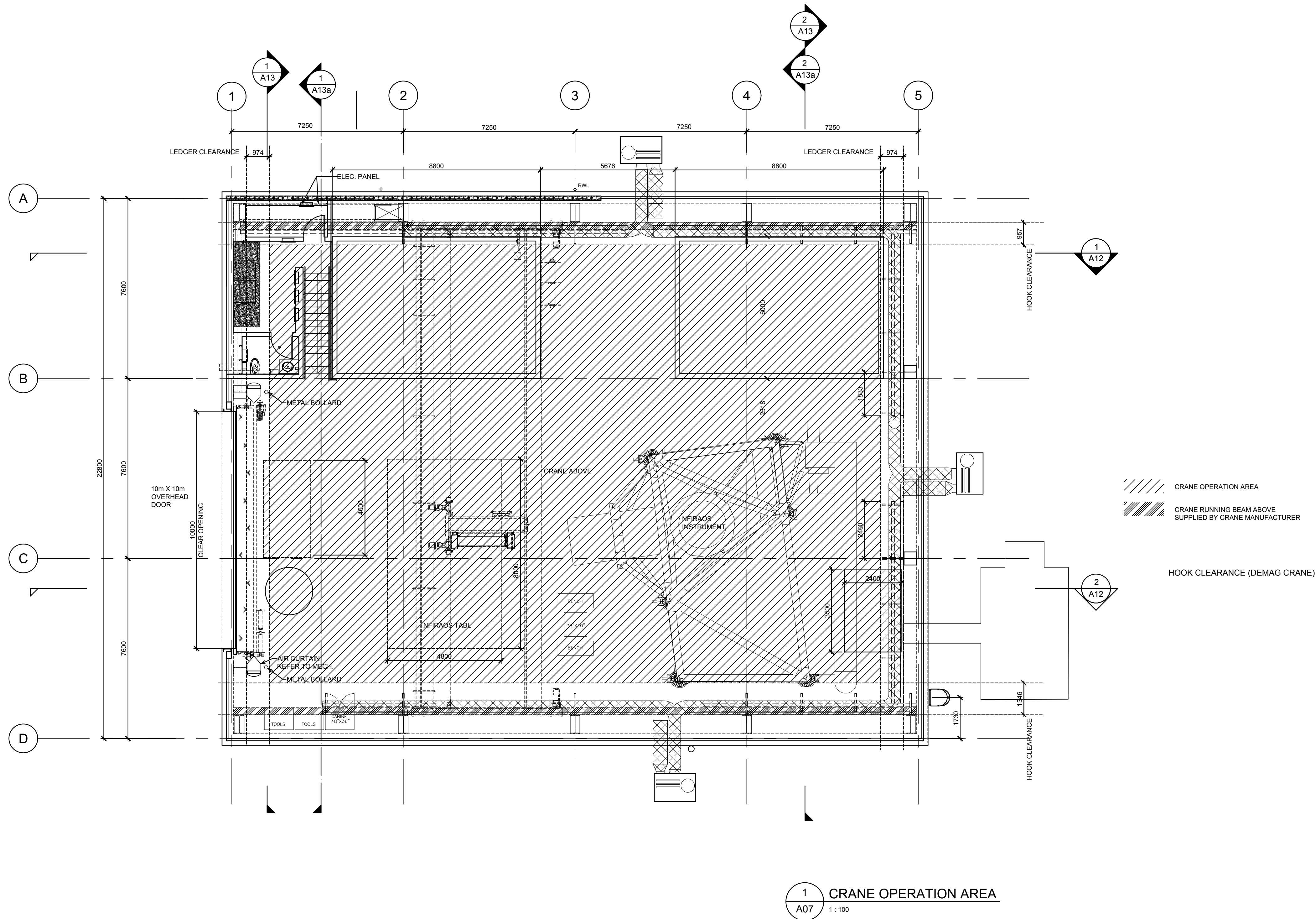


2 PARTIAL PLAN AT 5.7M (MEZZANINE LEVEL)
A07 1:50



1 PLAN AT 5.7M
A07 1:100





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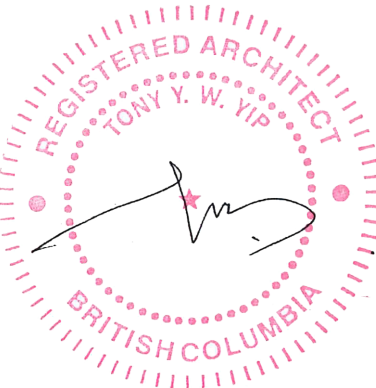
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CRANE TOLERANCES,
PLAN

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Gestionnaire régionale, Services d'architecture et de génie, TPSGC
PAUL PRETIPAL

Drawing title/Titre du dessin

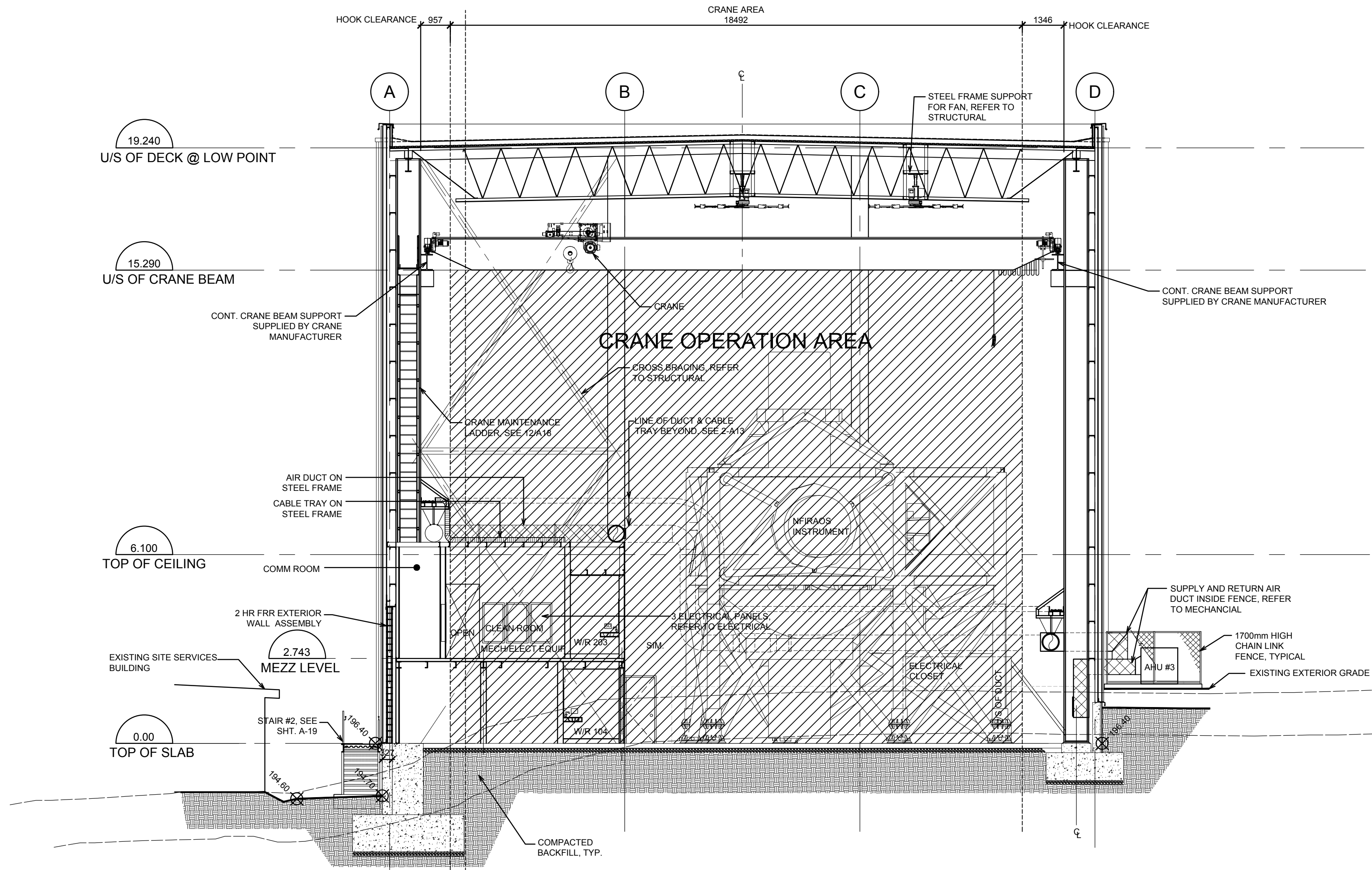
CRANE TOLERANCES,
EAST SECTION

Project No./No. du projet
R.077596.001

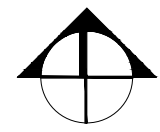
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SA07b

Revision no./
La Révision no.
5

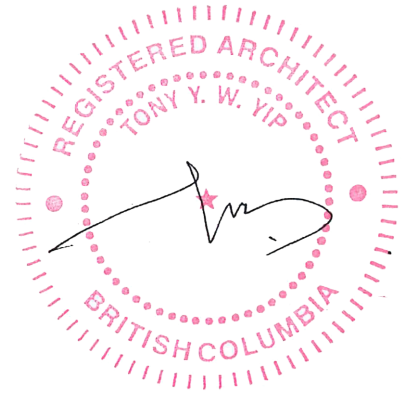
OF 22



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A07b
CRANE TOLERANCES
EAST SECTION
1:100



PROJECT
NORTH



Revision/	Description/Description	Date/Date
5	ISSUED FOR TENDER	2019.03.08
4	ISSUED FOR 100% CD	2016.09.28
3	ISSUED FOR 99% CD REVIEW	2016.07.08
2	DESIGN DEVELOPMENT	2016.01.27
1	ISSUED FOR PHASE ONE 66% REVIEW	2016.01.15
0	Schematic Design	2015.12.07
Revision/		
Client/client		

Project title/Titre du projet
**5071 WEST SAANICH ROAD
VICTORIA, BC, CANADA**

**NRC HERZBERG
ASTRONOMY AND ASTROPHYSICS
ATP INTEGRATION FACILITY**

Consultant Signature Only

Designed by/Concept par
T.Y.

Drawn by/Dessiné par
S.K.

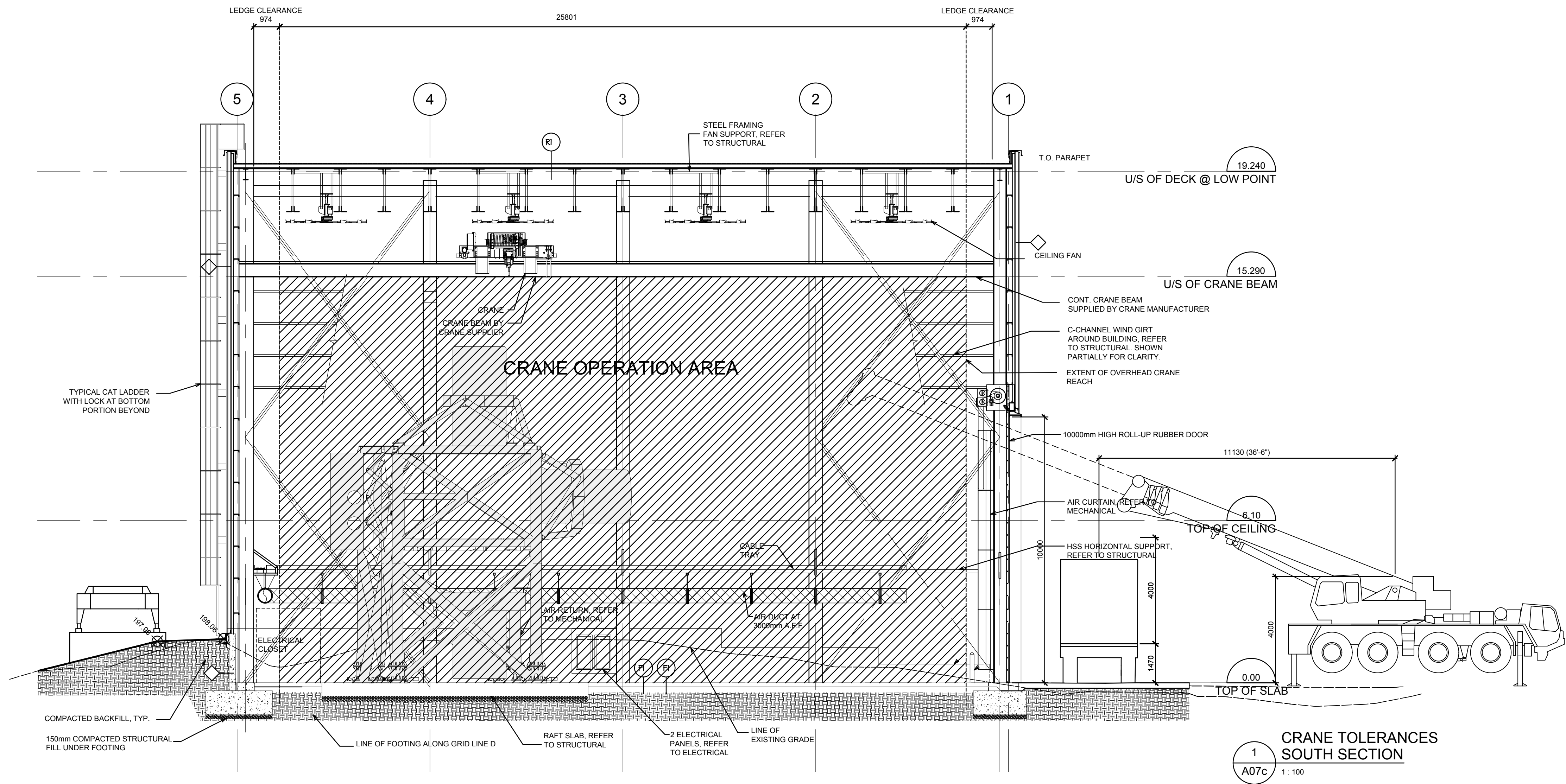
PWGSC Project Manager/Administrateur de Projets TPSGC
PATRICK TRUONG

Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
PAUL PREETIPAL

Drawing title/Titre du dessin

**CRANE TOLERANCES,
SOUTH SECTIONS**

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.077596.001	SA07c OF 22	5

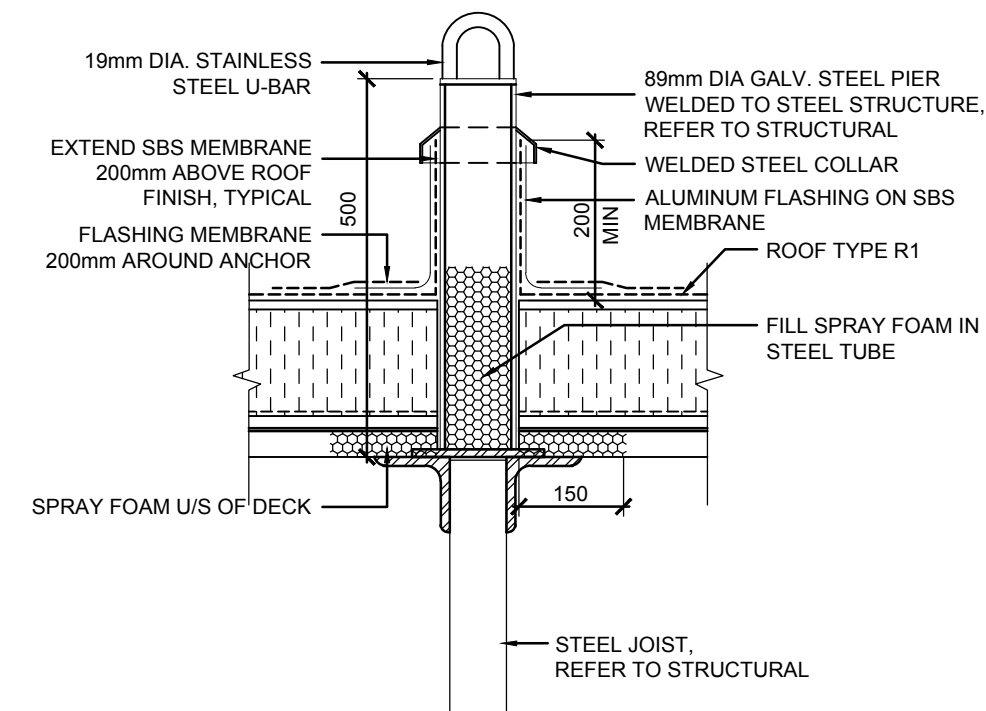



OVER THAN THE BOX HEIGHT
 OF COMPATIBLE MASTIC.
 ULD BE CAULKED WITH
 FINING WITH ROOFING
 STALLED WHEN WALL
 G OR SHEET METAL.

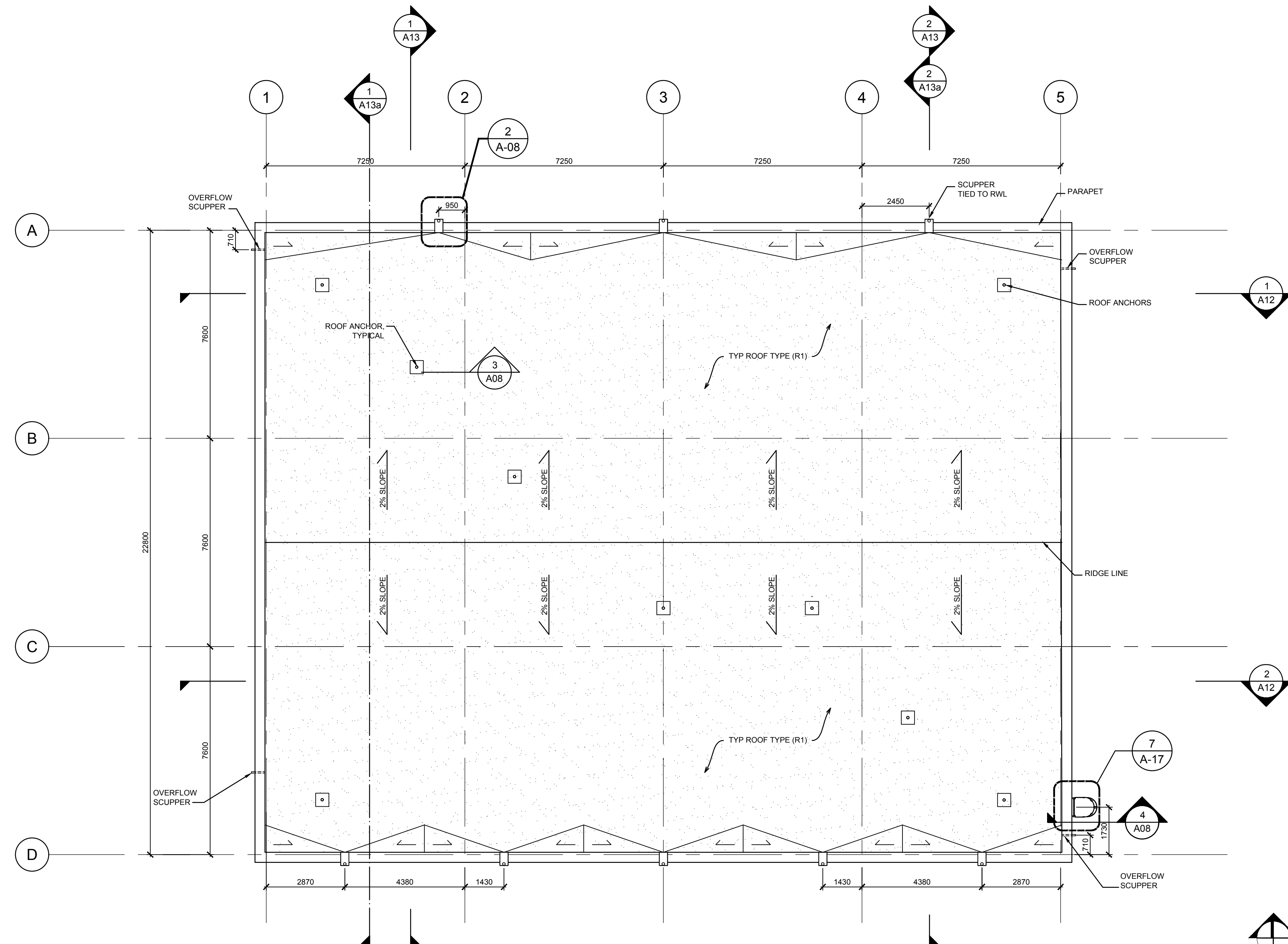
G):
 ENERS OR CLADDING
 UARANTEE STANDARD

ROOFING MEMBRANE
 PROTECTION BOARD
 16mm PLYWOOD

100
 100
 ROOF PARAPET
 SLOPE DN 1:12
 SLOPE DN 1:12



3
A08 1:1



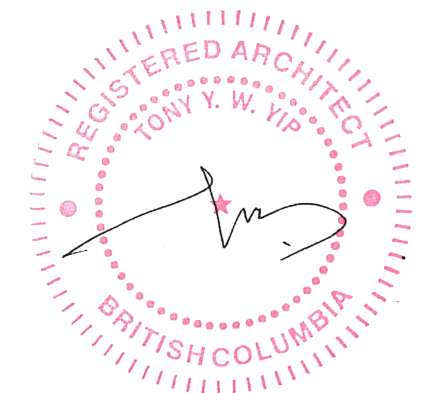
1 ROOF PLAN
A08 1 : 100



PROJECT
NORTH

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région de Pacifique

CHERNOFF THOMPSON
ARCHITECTS



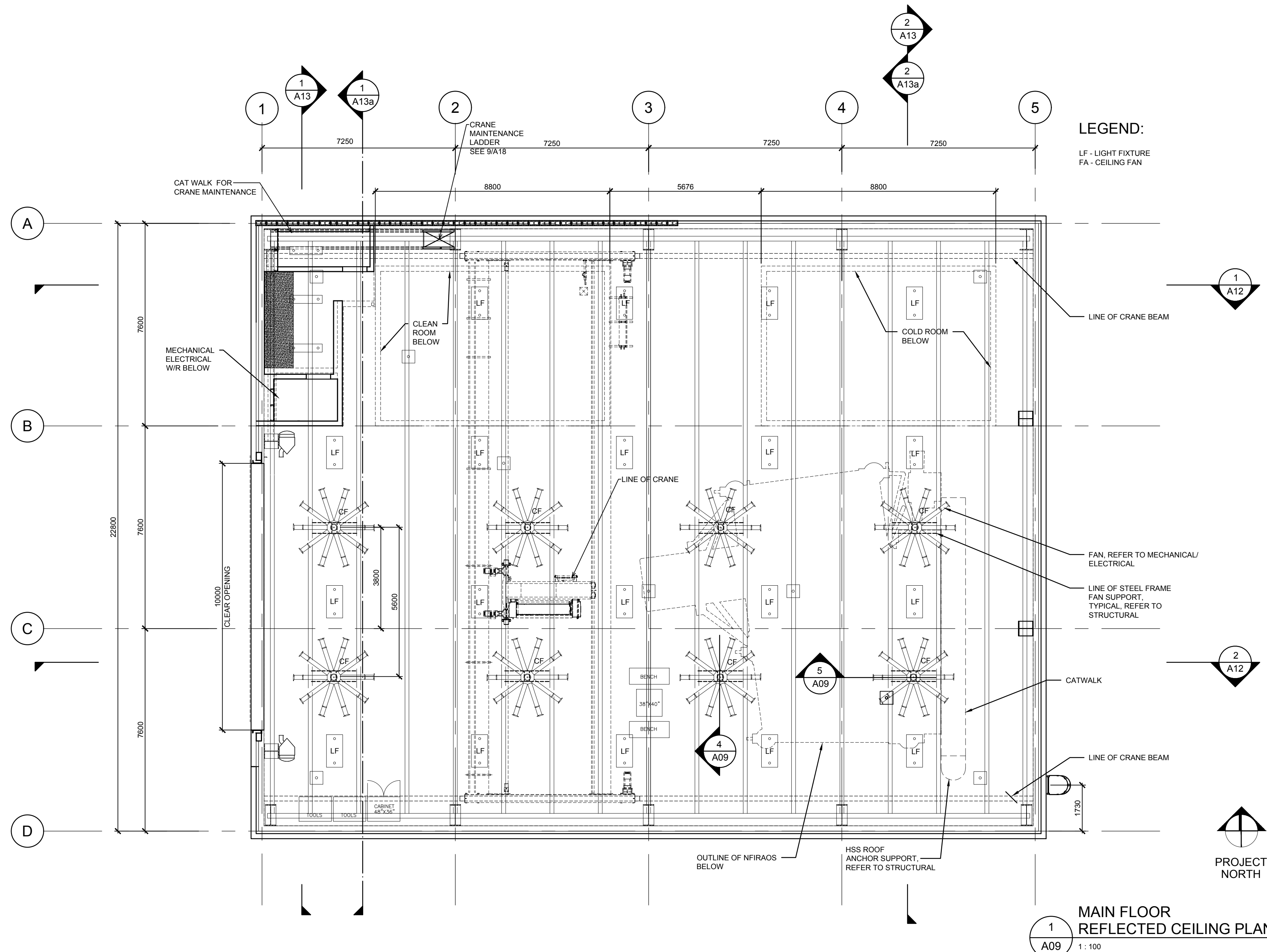
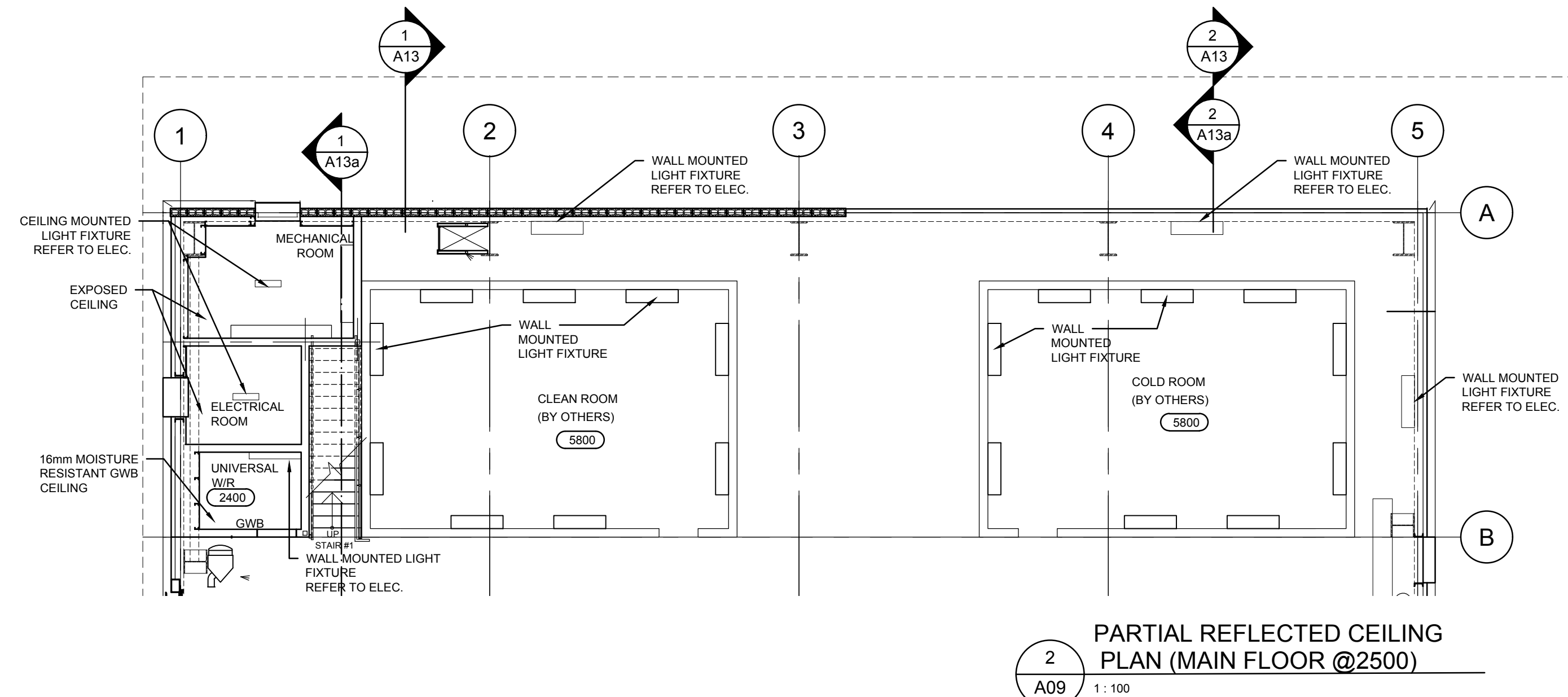
Revision/ Revision	Description/Description	Date/Date
Client/client		

**NRC HERZBERG
ASTRONOMY AND ASTROPHYSICS
ATP INTEGRATION FACILITY**

Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
PAUL PREETIPAL

ROOF PLAN

SA08
OF 22





6	ISSUED FOR TENDER	2019.03.08
5	ISSUED FOR 100% CD	2016.09.28
4	ISSUED FOR 99% CD REVIEW	2016.07.08
3	ISSUED FOR 33% CD REVIEW	2016.02.19
2	DESIGN DEVELOPMENT	2016.01.27
1	ISSUED FOR PHASE ONE 66% REVIEW	2016.01.15
0	Schematic Design	2015.12.07

Revision/	Description/Description	Date/Date
Revision/		

Project title/Titre du projet
5071 WEST SAANICH ROAD
VICTORIA, BC, CANADA

**NRC HERZBERG
ASTRONOMY AND ASTROPHYSICS
ATP INTEGRATION FACILITY**

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Designed by/Concept par
T.Y.

Drawn by/Dessiné par
S.K.

PWGSC Project Manager/Administrateur de Projets TPSGC
PATRICK TRUONG

Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
PAUL PREETIPAL

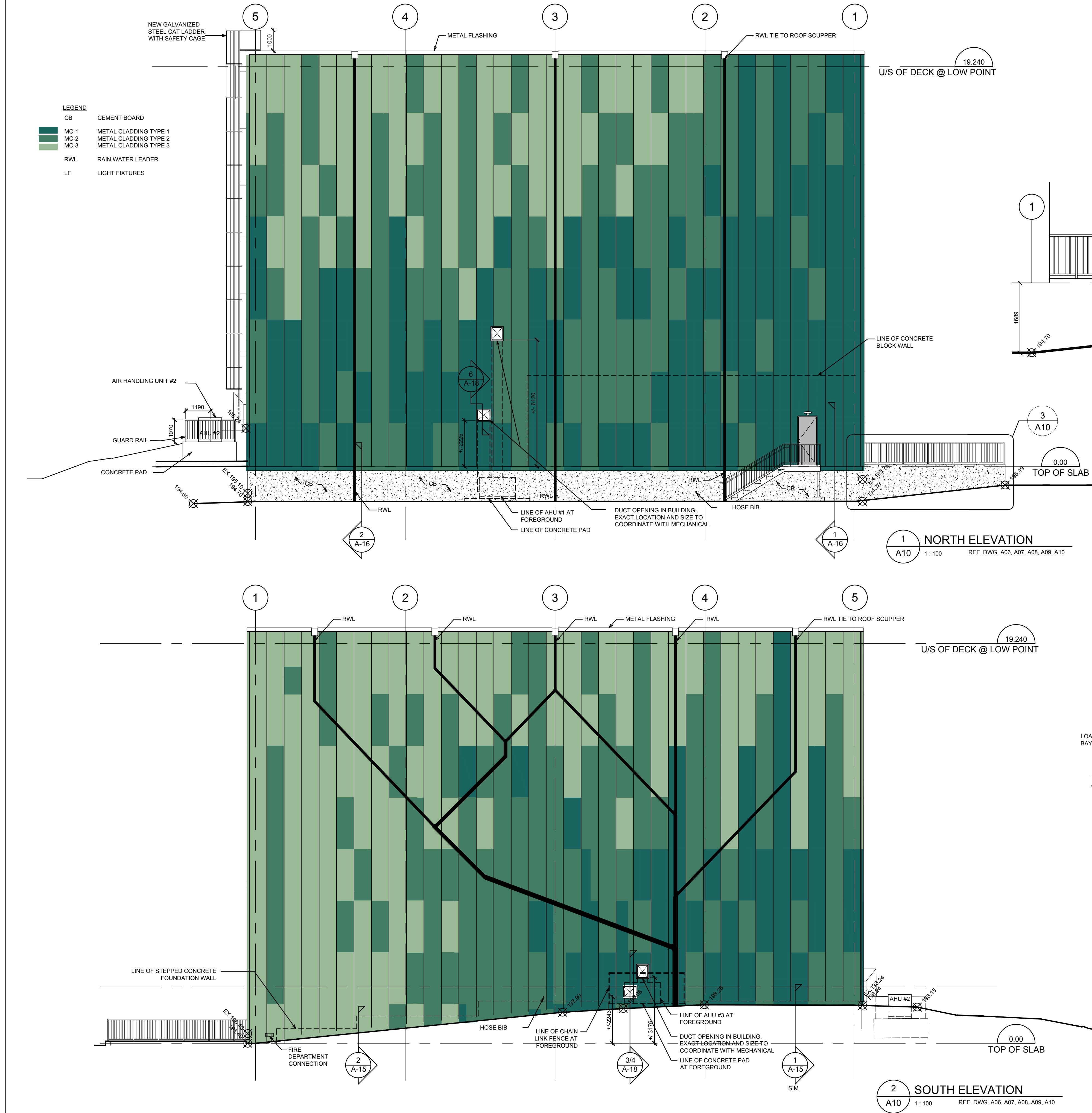
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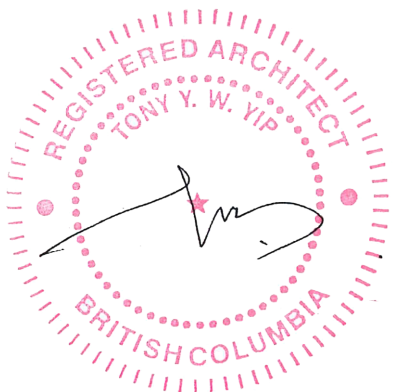
**NORTH & SOUTH
BUILDING ELEVATIONS**

Project No./No. du
projet
R.077596.001

Sheet/Feuille
SA10
OF 22

Revision no./
La Révision
no.
6





7	ISSUED FOR TENDER	2019.03.08
6	ISSUED FOR 100% CD	2016.09.28
5	ISSUED FOR 99% CD REVIEW	2016.07.08
4	ISSUED FOR 33% CD REVIEW	2016.02.19
3	DESIGN DEVELOPMENT REVISION 1	2016.02.11
2	DESIGN DEVELOPMENT	2016.01.27
1	ISSUED FOR PHASE ONE 66% REVIEW	2016.01.15
0	Schematic Design	2015.12.07

Revision/ Revision	Description/Description	Date/Date
Client/client		

Project title/Titre du projet
5071 WEST SAANICH ROAD
VICTORIA, BC, CANADA

NRC HERZBERG
ASTRONOMY AND ASTROPHYSICS
ATP INTEGRATION FACILITY

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Designed by/Concept par
T.Y.

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S.K.

PWGSC Project Manager/Administrateur de Projets TPSGC
PATRICK TRUONG

Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
PAUL PREETIPAL

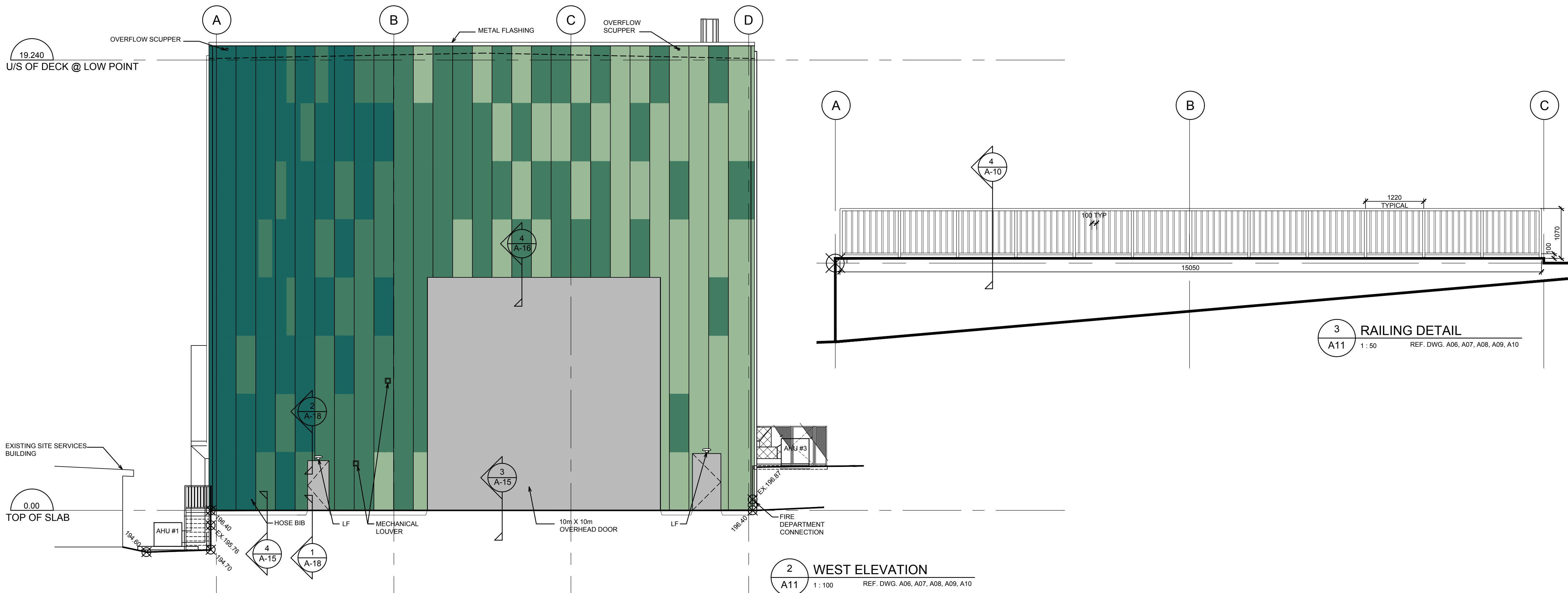
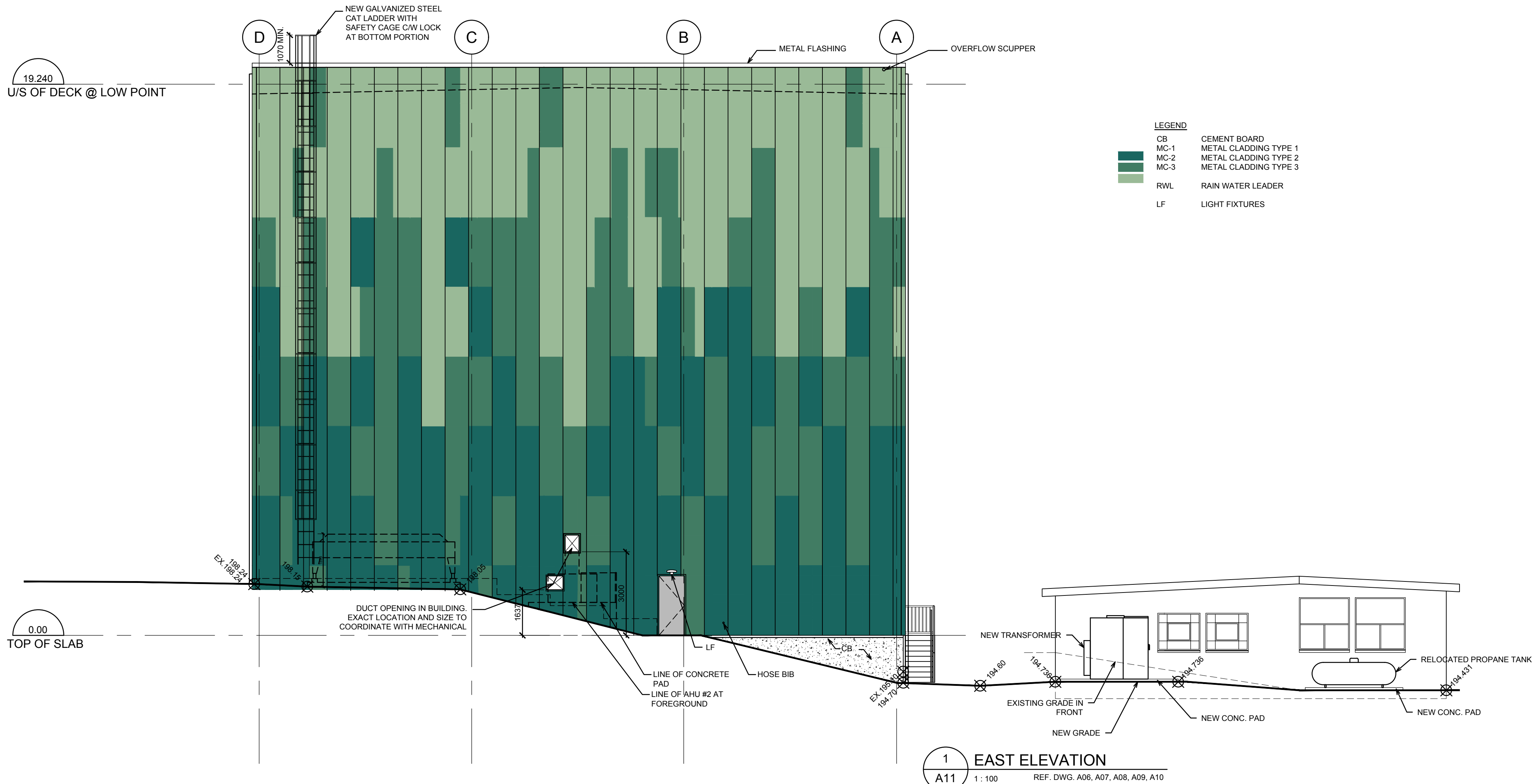
Drawing title/Titre du dessin

EAST & WEST
BUILDING ELEVATIONS

Project No./No. du
projet
R.077596.001

Sheet/Fauille
SA11
OF 22

Revision no./
La Révision
no.
7





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6	ISSUED FOR 100% CD	2016.09.28
5	ISSUED FOR 99% CD REVIEW	2016.07.08
4	ISSUED FOR 66% CD REVIEW	2016.05.04
3	ISSUED FOR 33% CD REVIEW	2016.02.19
2	DESIGN DEVELOPMENT	2016.01.27
1	ISSUED FOR PHASE ONE 66% REVIEW	2016.01.15
0	Schematic Design	2015.12.07

Revision/	Description/Description	Date/Date
Client/client		

Project title/Titre du projet
5071 WEST SAANICH ROAD
VICTORIA, BC, CANADA

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ASTRONOMY AND ASTROPHYSICS
ATP INTEGRATION FACILITY**

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S.K.

PWGSC Project Manager/Administrateur de Projets TPSGC
PATRICK TRUONG

Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
PAUL PREETIPAL

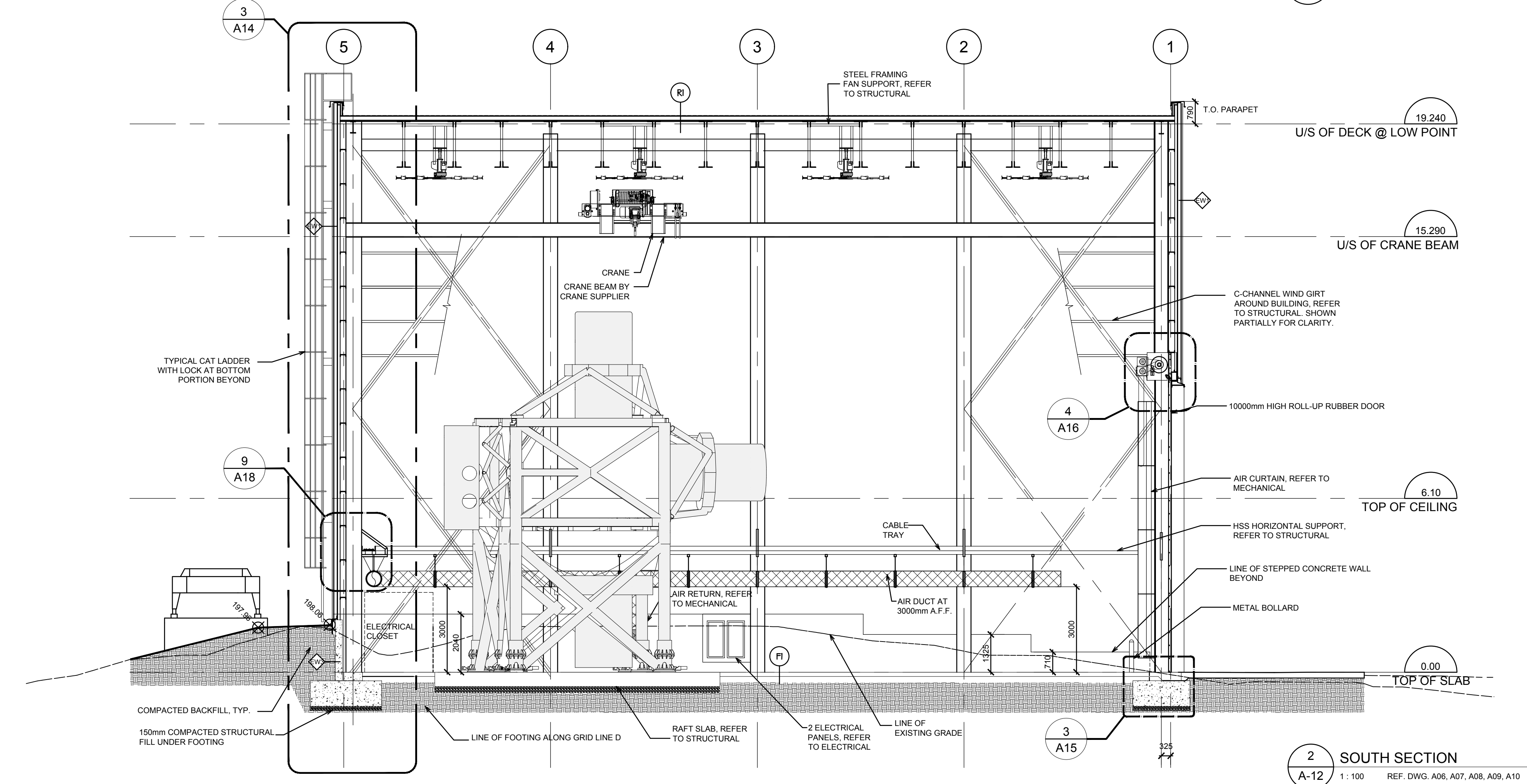
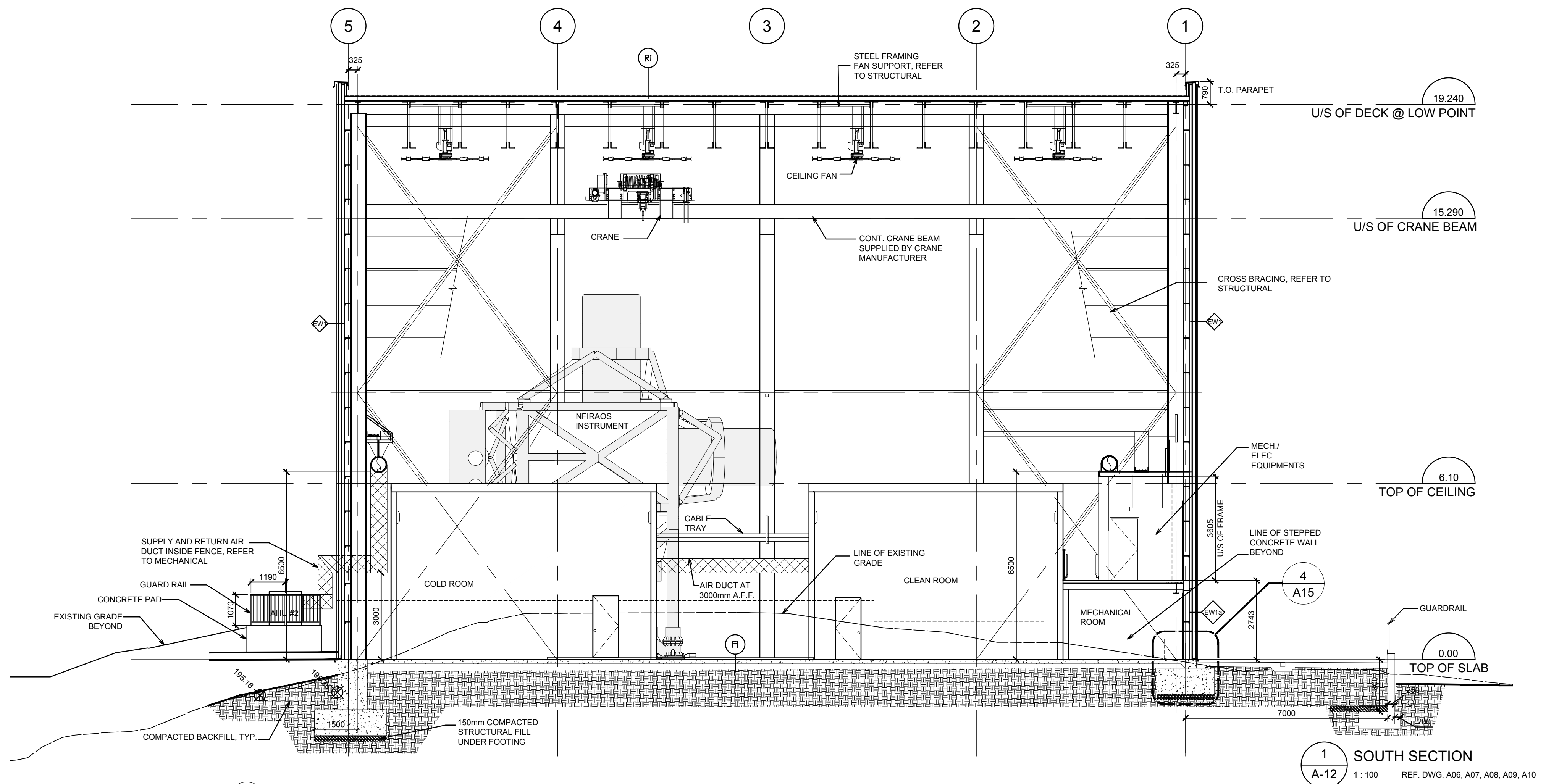
Drawing title/Titre du dessin

**SOUTH
BUILDING SECTIONS**

Project No./No. du
projet
R.077596.001

Sheet/Feuille
SA12
OF 22

Revision no./
La Révision
no.
7





Revision/Revision	Description/Description	Date/Date
7	ISSUED FOR TENDER	2019.03.08
6	ISSUED FOR 100% CD	2016.09.28
5	ISSUED FOR 99% CD REVIEW	2016.07.08
4	ISSUED FOR 66% CD REVIEW	2016.05.04
3	ISSUED FOR 33% CD REVIEW	2016.02.19
2	DESIGN DEVELOPMENT	2016.01.27
1	ISSUED FOR PHASE ONE 66% REVIEW	2016.01.15
0	Schematic Design	2015.12.07

Client/client

Project title/Titre du projet
5071 WEST SAANICH ROAD
VICTORIA, BC, CANADA

NRC HERZBERG
ASTRONOMY AND ASTROPHYSICS
ATP INTEGRATION FACILITY

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T.Y.

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S.K.

PWGSC Project Manager/Administrateur de Projets TPSGC
PATRICK TRUONG

Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
PAUL PREETIPAL

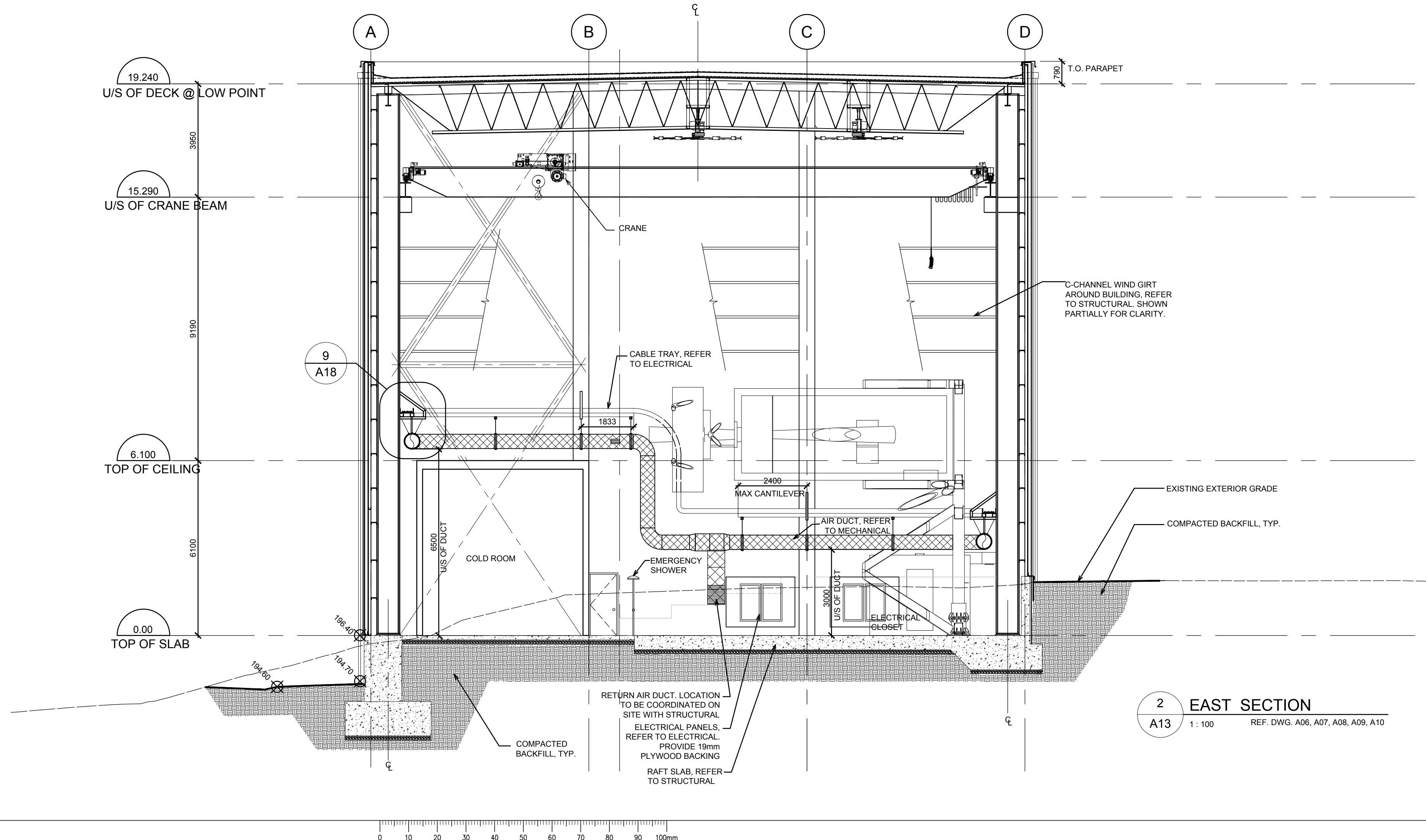
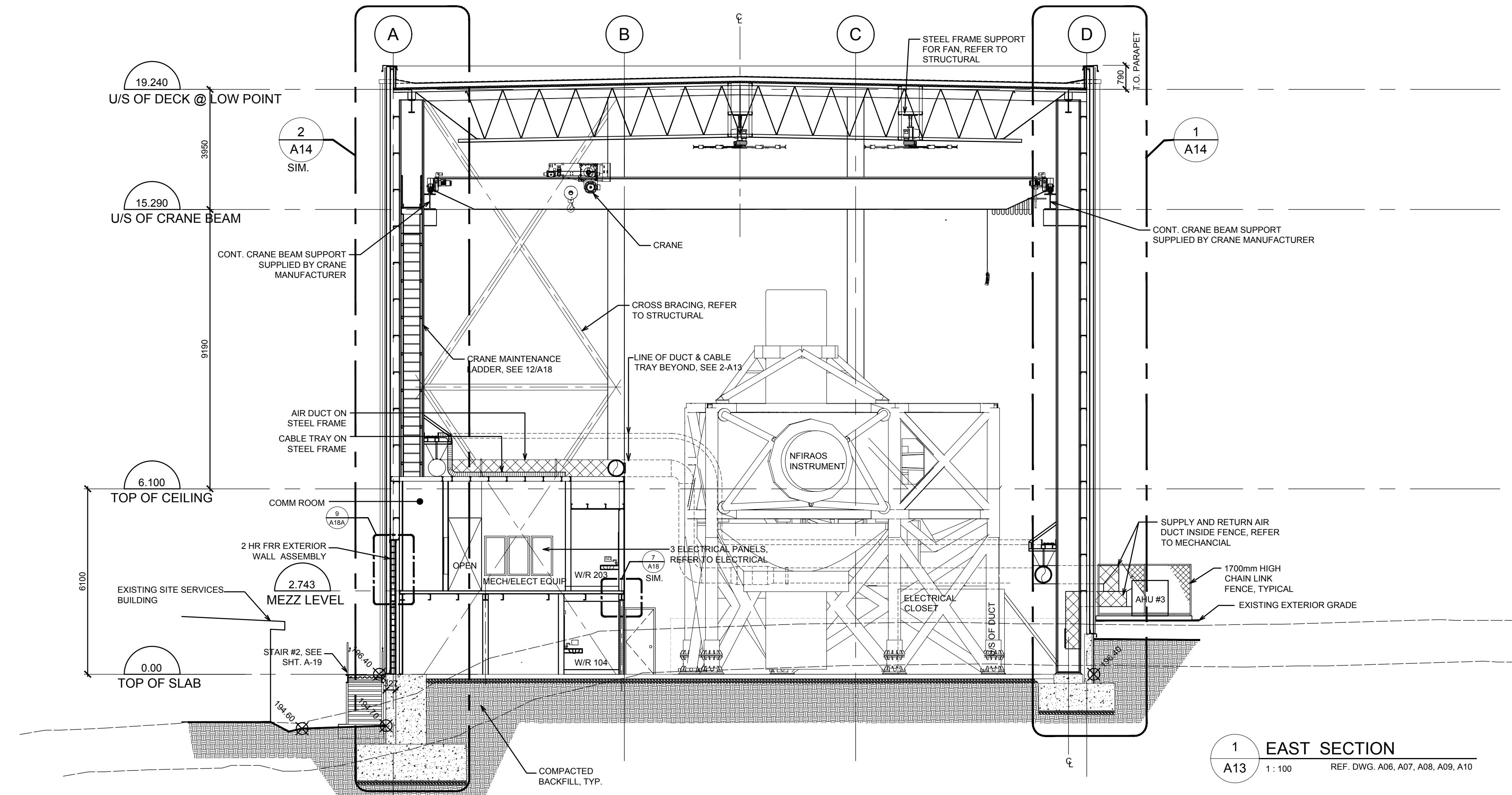
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EAST
BUILDING SECTIONS

Project No./No. du projet
R.077596.001

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OF 21

Revision no./
La Révision
no.
7





6	ISSUED FOR TENDER	2019.03.08
5	ISSUED FOR 100% CD	2016.09.28
4	ISSUED FOR 99% CD REVIEW	2016.07.08
3	ISSUED FOR 66% CD REVIEW	2016.05.04
2	DESIGN DEVELOPMENT	2016.01.27
1	ISSUED FOR PHASE ONE 66% REVIEW	2016.01.15
0	Schematic Design	2015.12.07

Revision/ Révision	Description/Description	Date/Date
Client/client		

Project title/Titre du projet
5071 WEST SAANICH ROAD
VICTORIA, BC, CANADA

**NRC HERZBERG
ASTRONOMY AND ASTROPHYSICS
ATP INTEGRATION FACILITY**

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PWGSC Project Manager/Administrateur de Projets TPSGC
PATRICK TRUONG

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

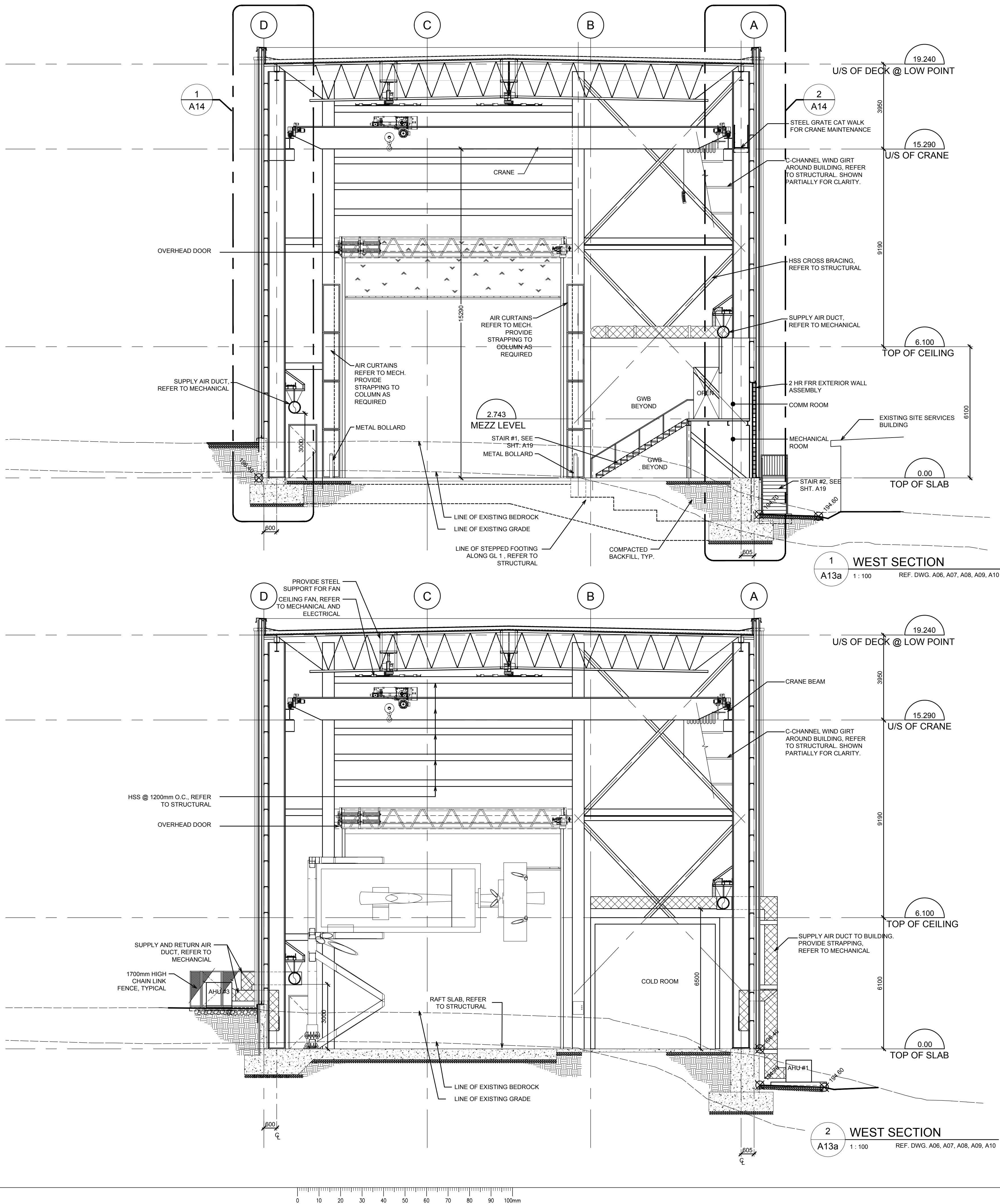
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**WEST
BUILDING SECTIONS**

Project No./No. du
projet
R.077596.001

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SA13a
OF 22

Revision no./
La Révision
no.
6





Revision/	Description/Description	Date/Date
6	ISSUED FOR TENDER	2019.03.08
5	ISSUED FOR 100% CD	2016.09.28
4	ISSUED FOR 99% CD REVIEW	2016.07.08
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1	DESIGN DEVELOPMENT	2016/01/27
0	Schematic Design	2015.12.07

Project title/Titre du projet
**5071 WEST SAANICH ROAD
VICTORIA, BC, CANADA**

**NRC HERZBERG
ASTRONOMY AND ASTROPHYSICS
ATP INTEGRATION FACILITY**

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Drawn by/Dessiné par
S.K.

PWGSC Project Manager/Administrateur de Projets TPSGC
PATRICK TRUONG

Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
PAUL PREETIPAL

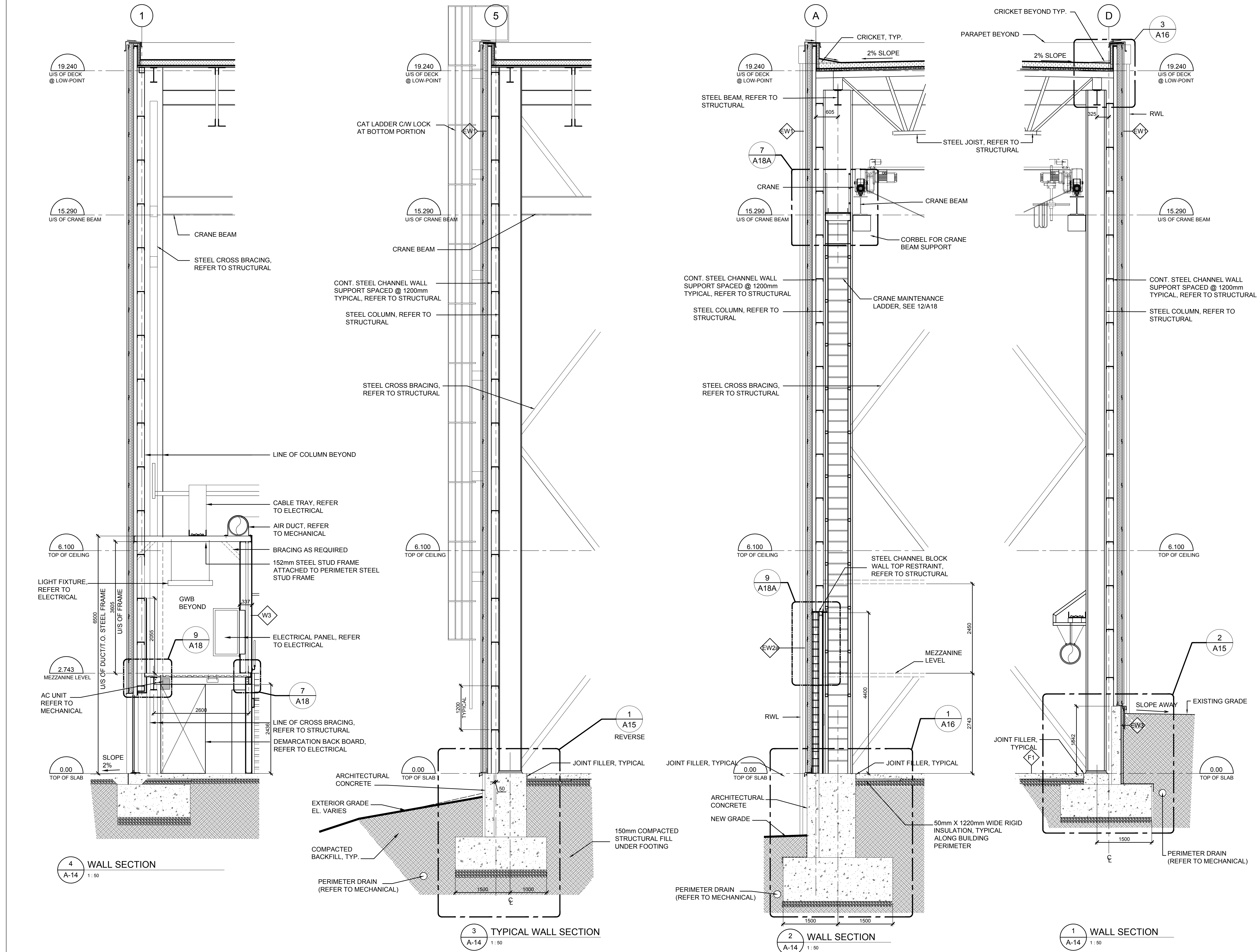
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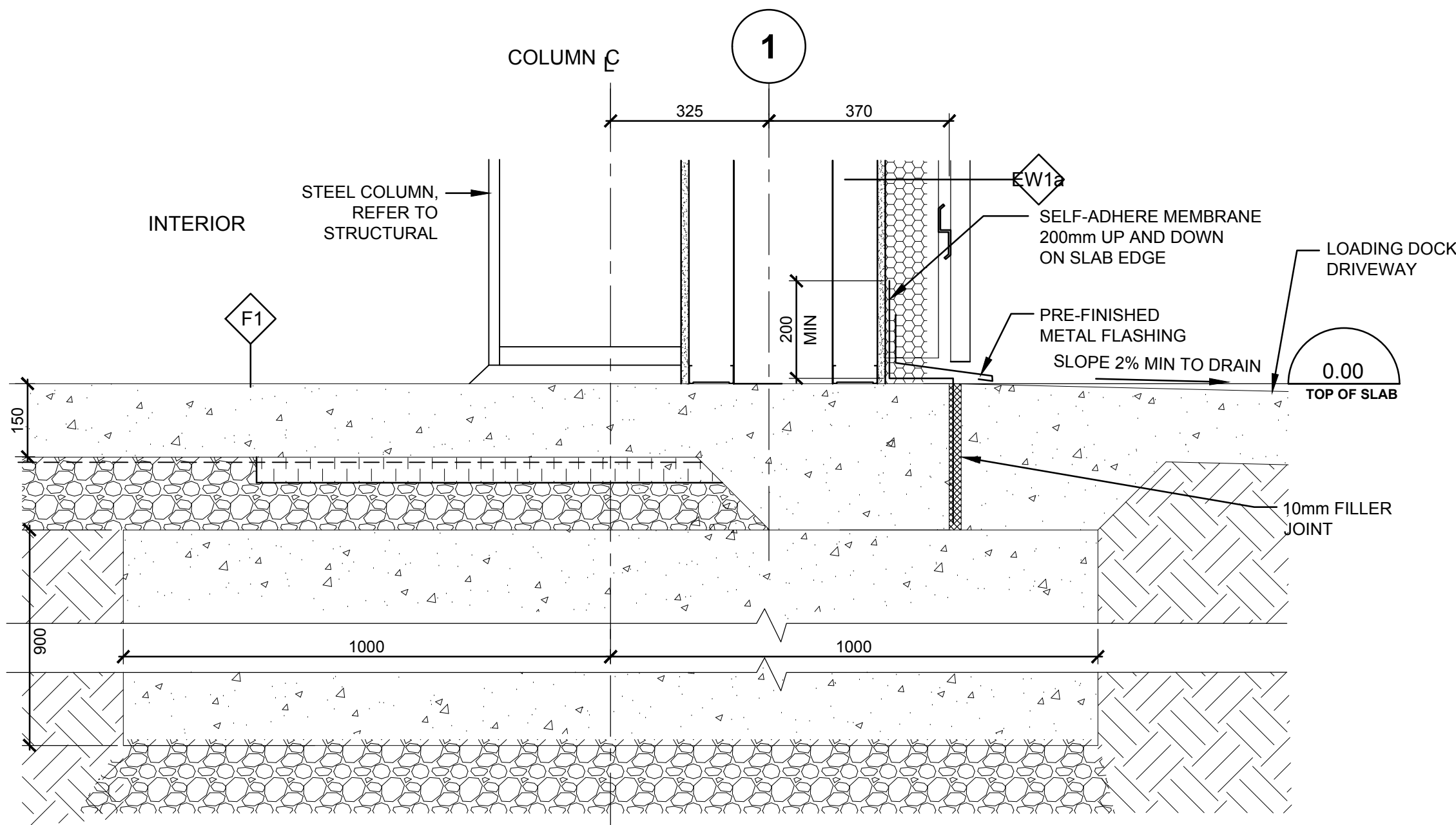
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Project No./No. du
projet
R.077596.001

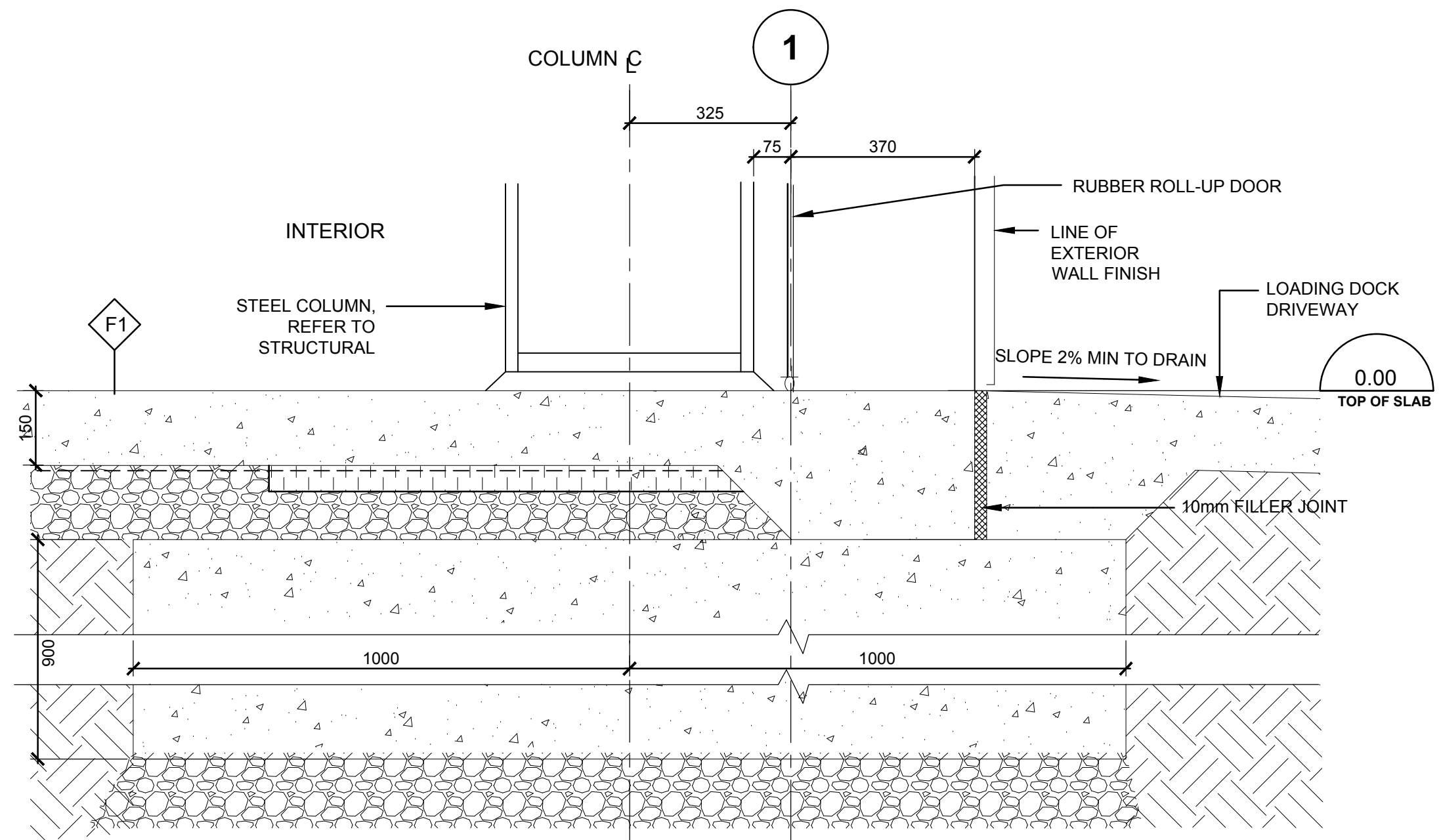
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SA14
OF 22

Revision no./
La Révision
no.
6

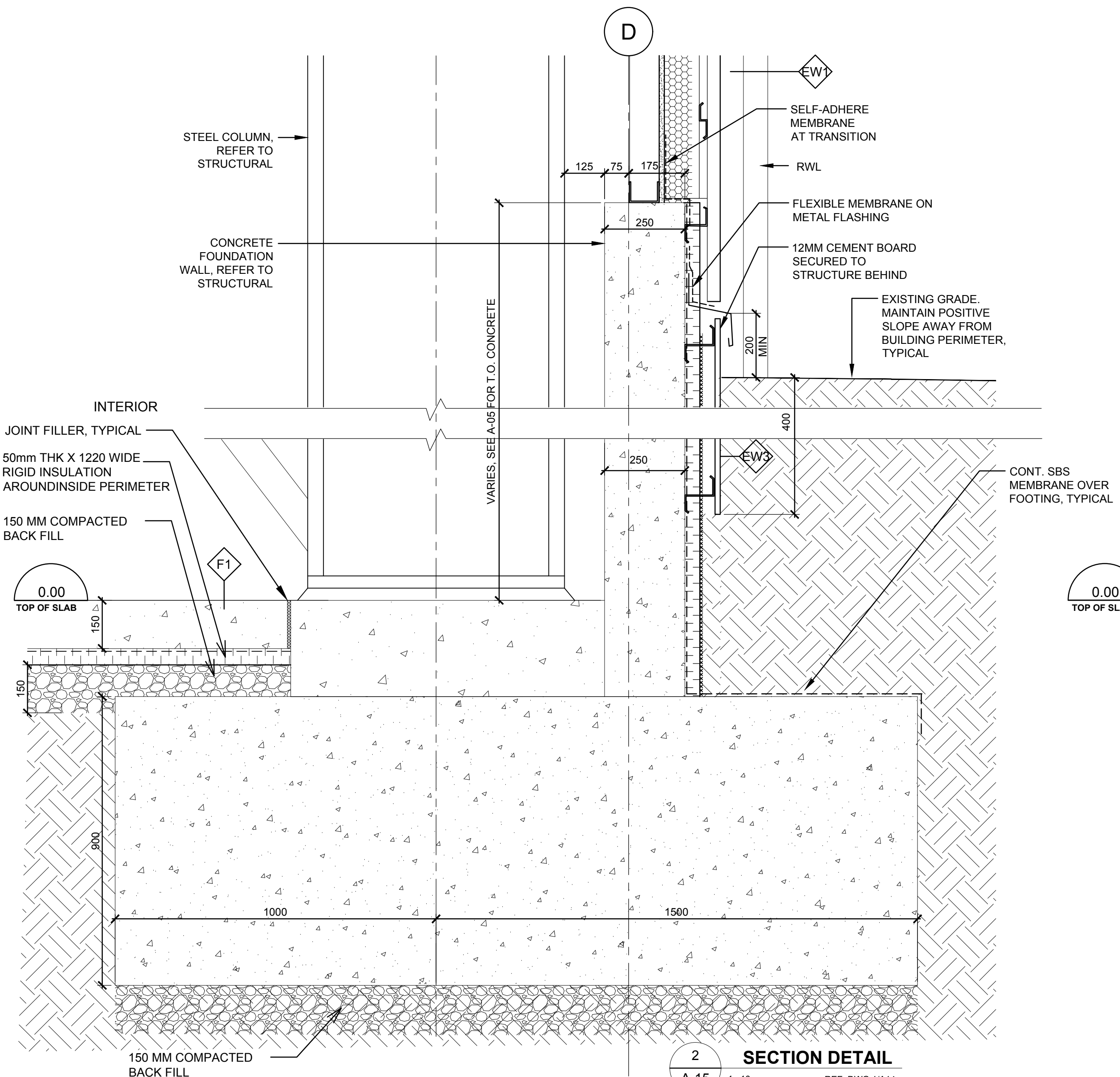




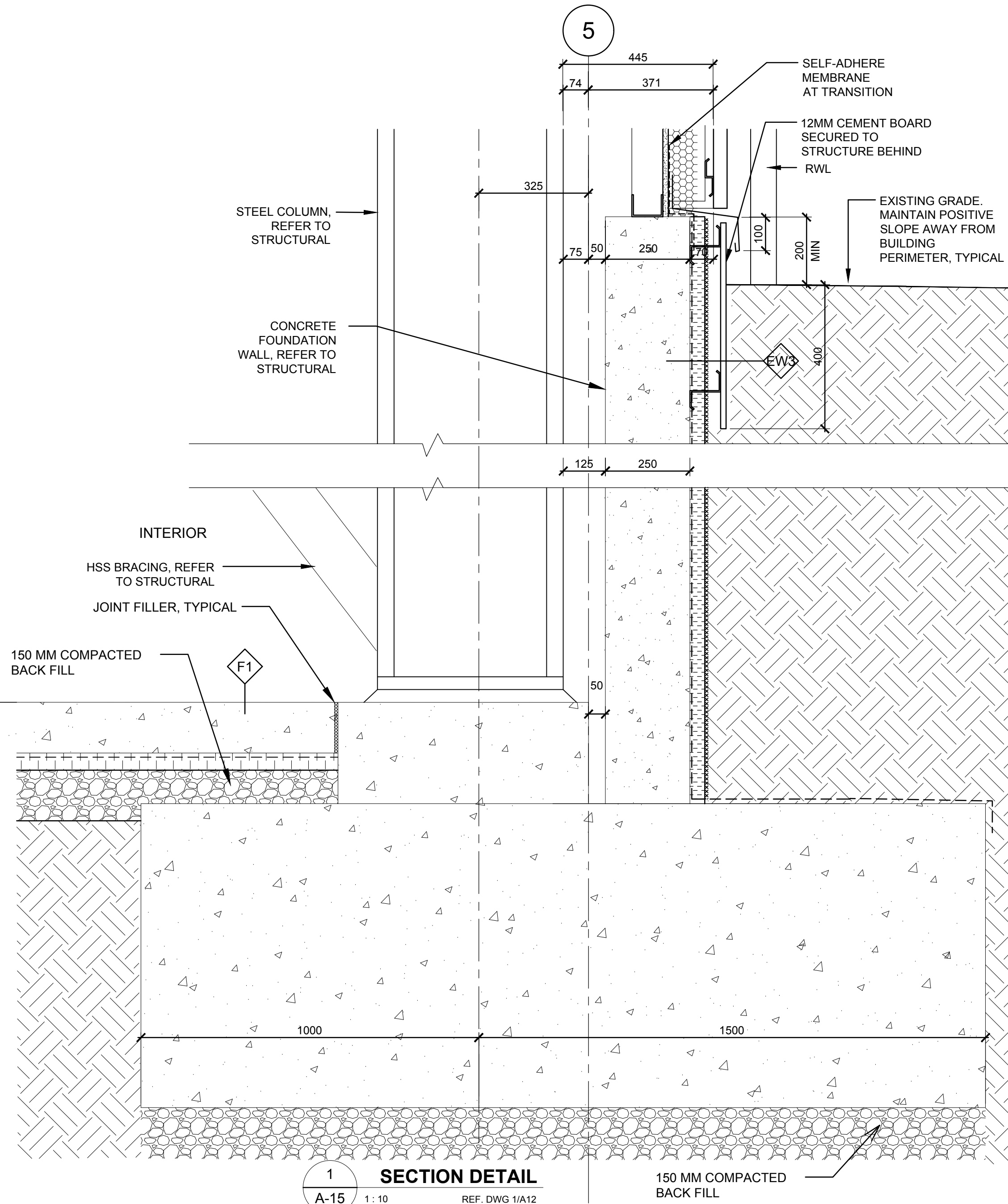
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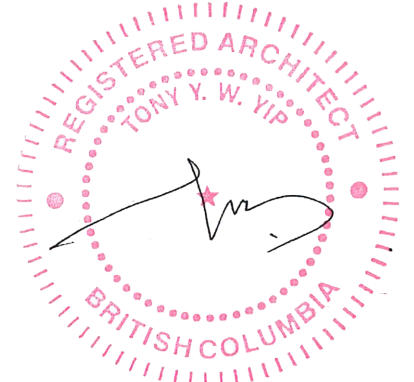
3 SECTION DETAIL / OVERHEAD DOOR
A-15 1:10 REF. DWG 1/A12



2 SECTION DETAIL
A-15 1:10 REF. DWG 1/A14



1 SECTION DETAIL
A-15 1:10 REF. DWG 1/A12



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5	ISSUED FOR 100% CD	2016.09.28
4	ISSUED FOR 99% CD REVIEW	2016.07.08
3	ISSUED FOR 66% CD REVIEW	2016.05.04
2	ISSUED FOR 33% CD REVIEW	2016/02/19
1	DESIGN DEVELOPMENT	2016/01/27
0	Schematic Design	2015.12.07
Revision/Revision	Description/Description	Date/Date

Client/client

Project title/Titre du projet
5071 WEST SAANICH ROAD
VICTORIA, BC, CANADA

NRC HERZBERG
ASTRONOMY AND ASTROPHYSICS
ATP INTEGRATION FACILITY

Consultant Signature Only

Designed by/Concept par
T.Y.

Drawn by/Dessiné par
S.K.

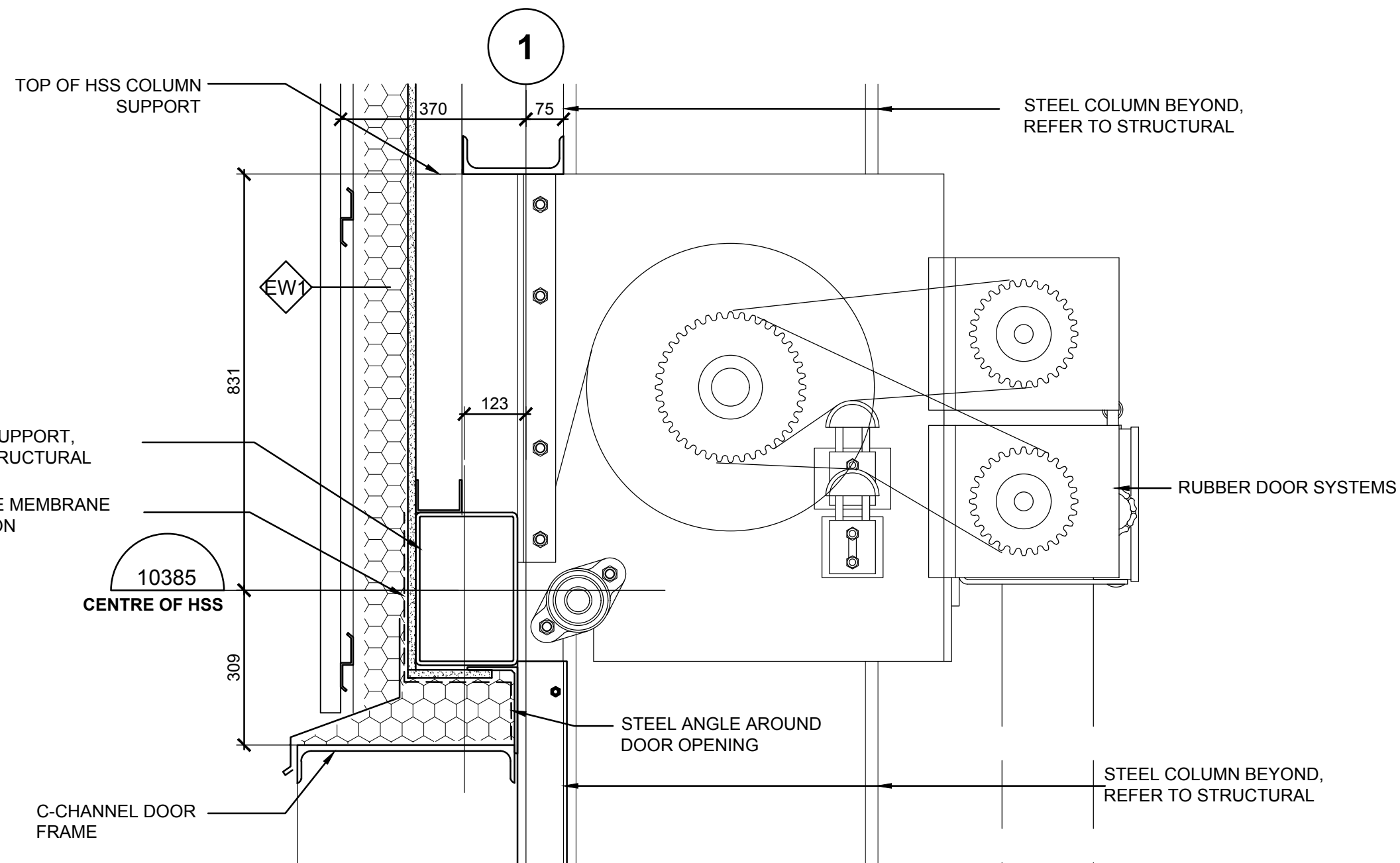
PWGSC Project Manager/Administrateur de Projets TPSGC
PATRICK TRUONG

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

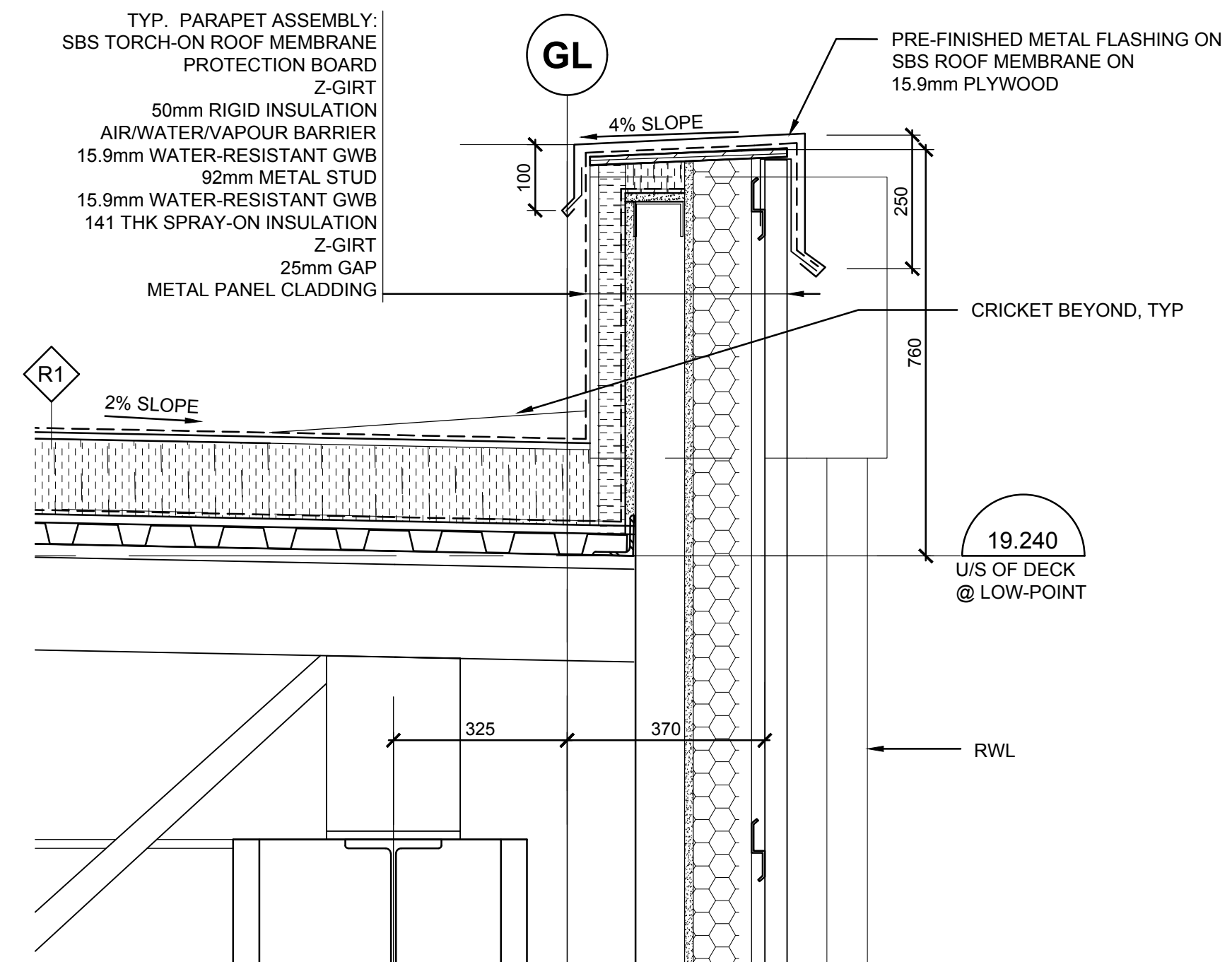
Drawing title/Titre du dessin

SECTION DETAILS

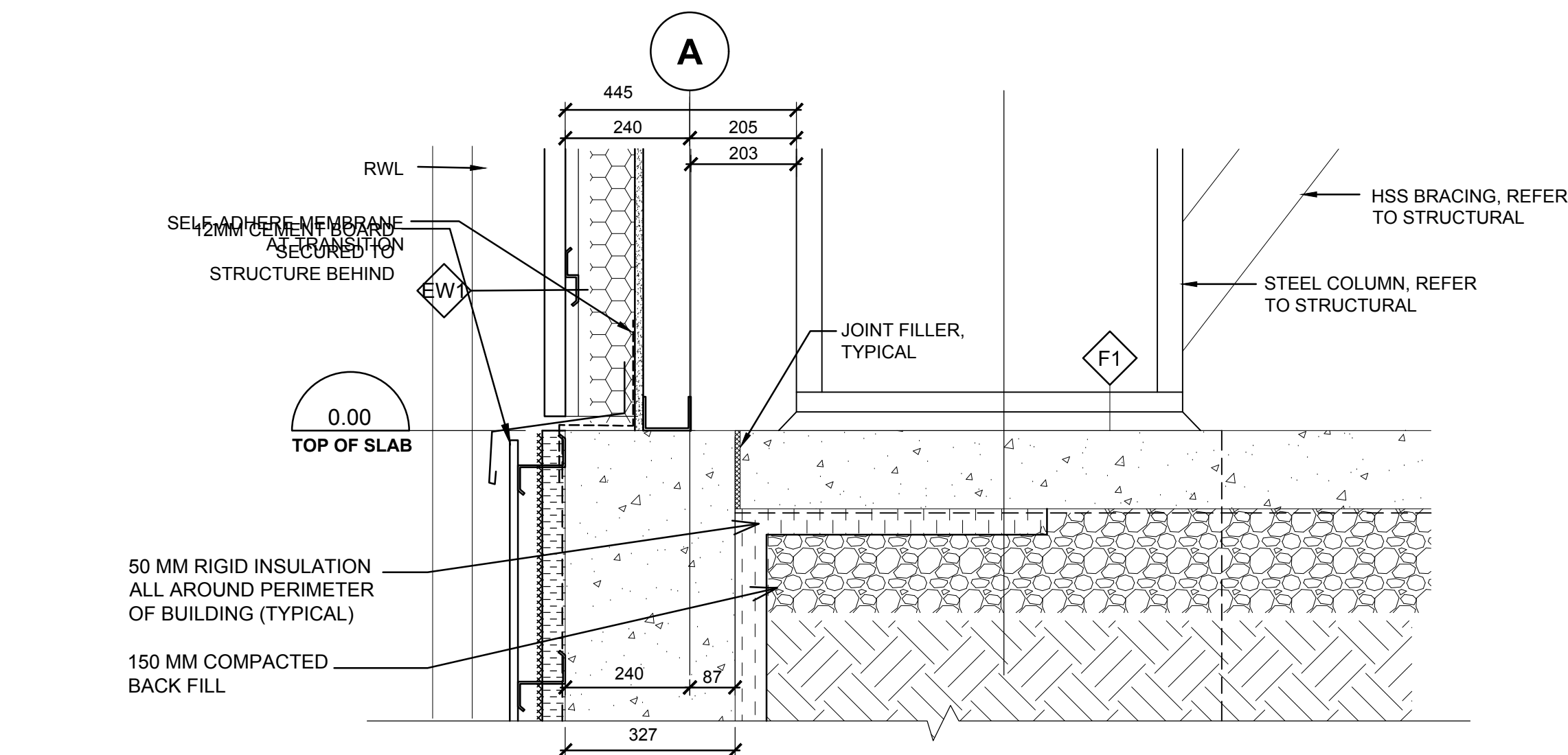
Project No./No. du projet R.077596.001	Sheet/Feuille SA15 OF 22	Revision no./La Révision no. 6
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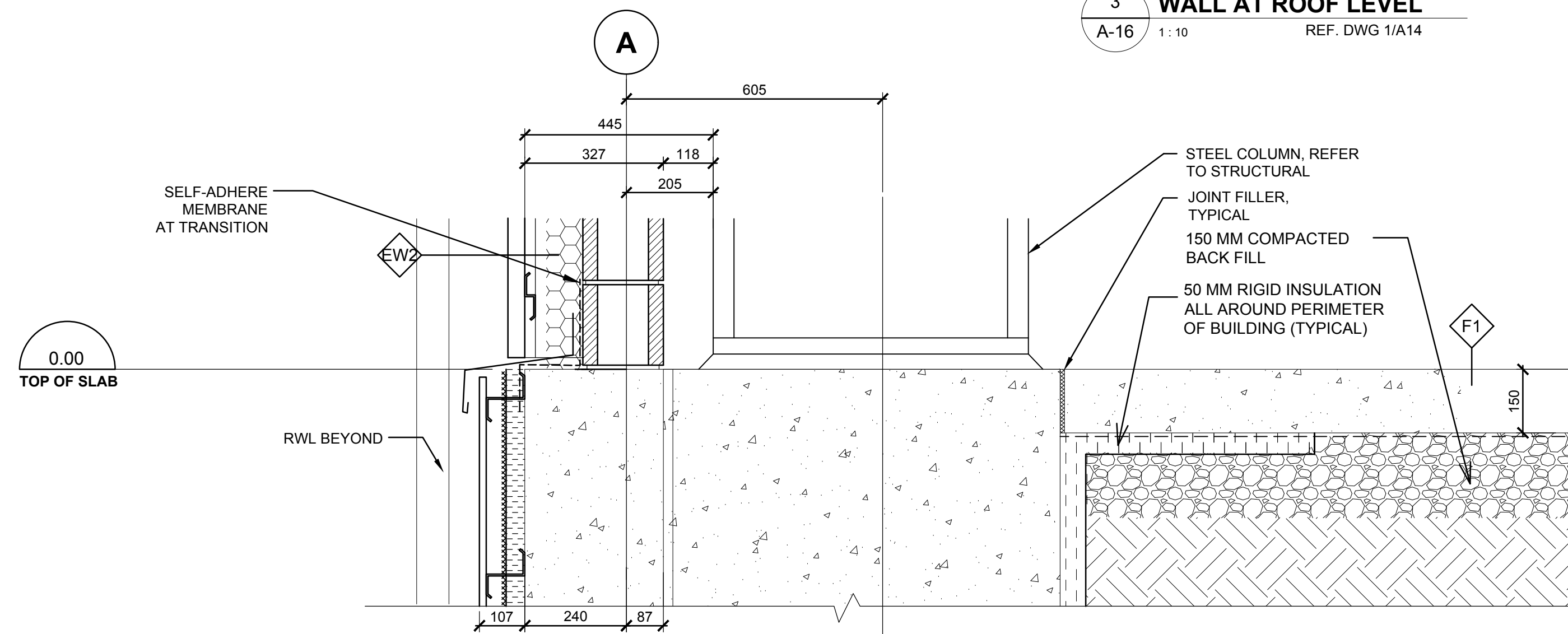
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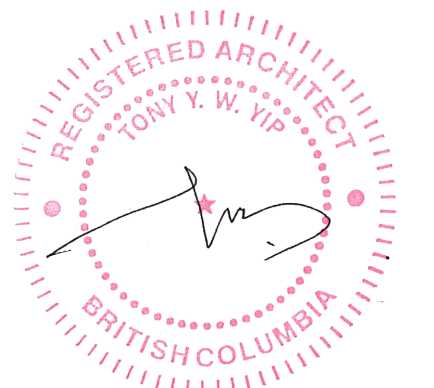
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WALL AT ROOF LEVEL**
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A-16 1:10 REF. DWG 1/A14



TYPICAL SECTION DETAIL
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A-16 1:10 REF. DWG 2/A12



TYPICAL SECTION DETAIL AT CONCRETE WALL
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A-16 1:10 REF. DWG 2/A14



6	ISSUED FOR TENDER	2019/03/08
5	ISSUED FOR 100% CD	2016/09/28
4	ISSUED FOR 99% CD REVIEW	2016/07/08
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1	DESIGN DEVELOPMENT	2016/01/27
0	Schematic Design	2015/12/07
Revision/ Revision	Description/Description	Date/Date

Client/client

Project title/Titre du projet
**5071 WEST SAANICH ROAD
VICTORIA, BC, CANADA**

**NRC HERZBERG
ASTRONOMY AND ASTROPHYSICS
ATP INTEGRATION FACILITY**

Consultant Signature Only

Designed by/Concept par
T.Y.

Drawn by/Dessiné par
S.K.

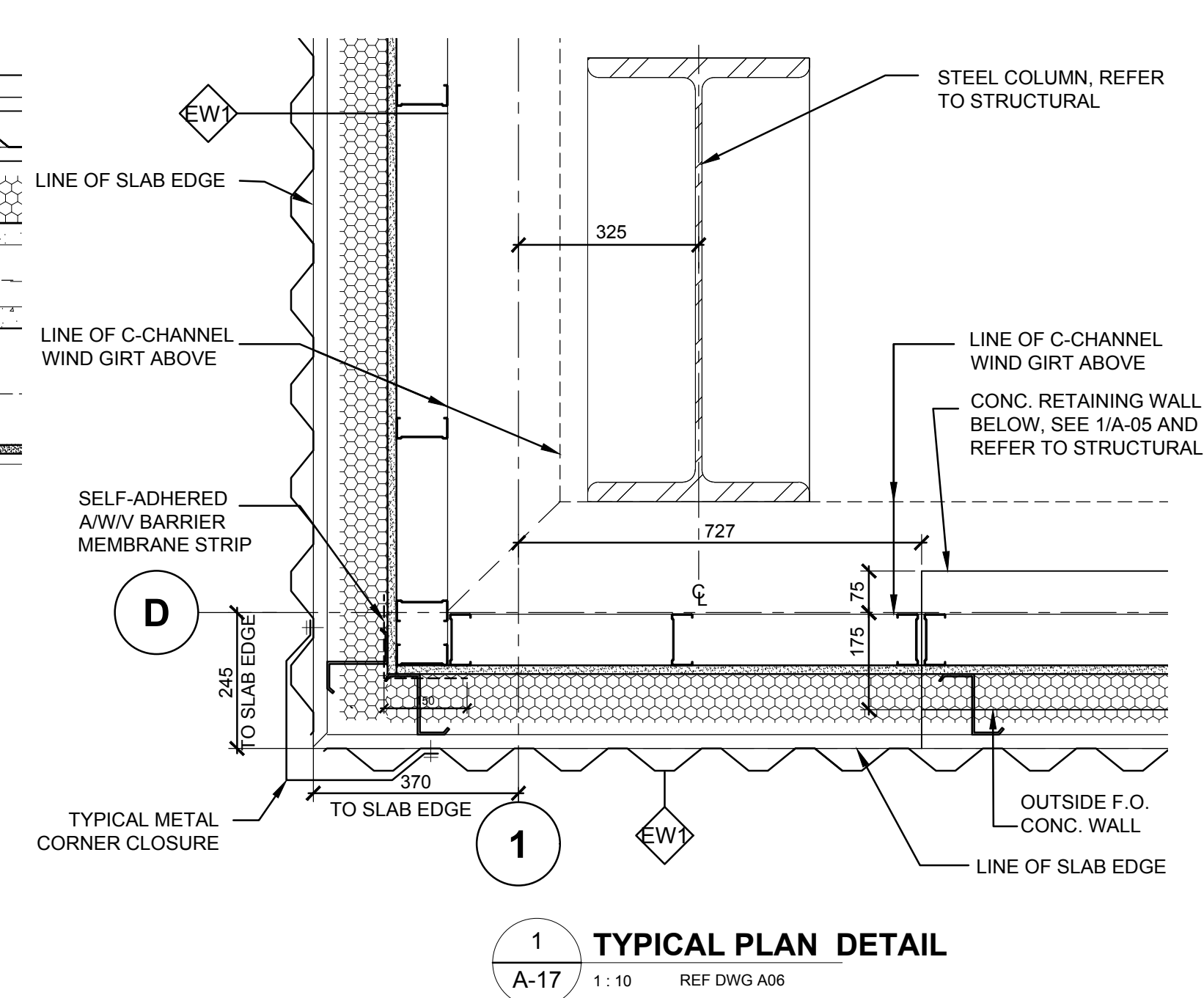
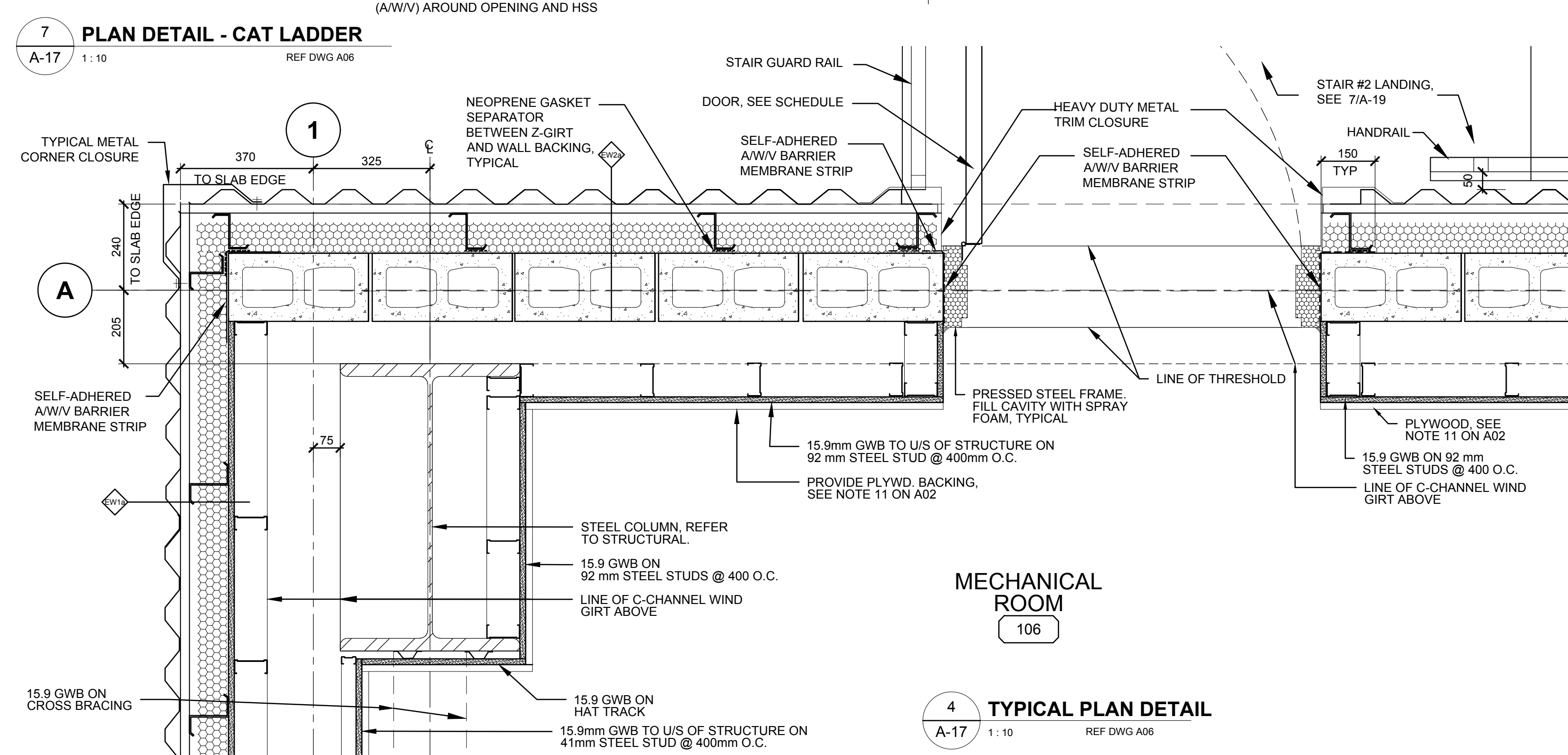
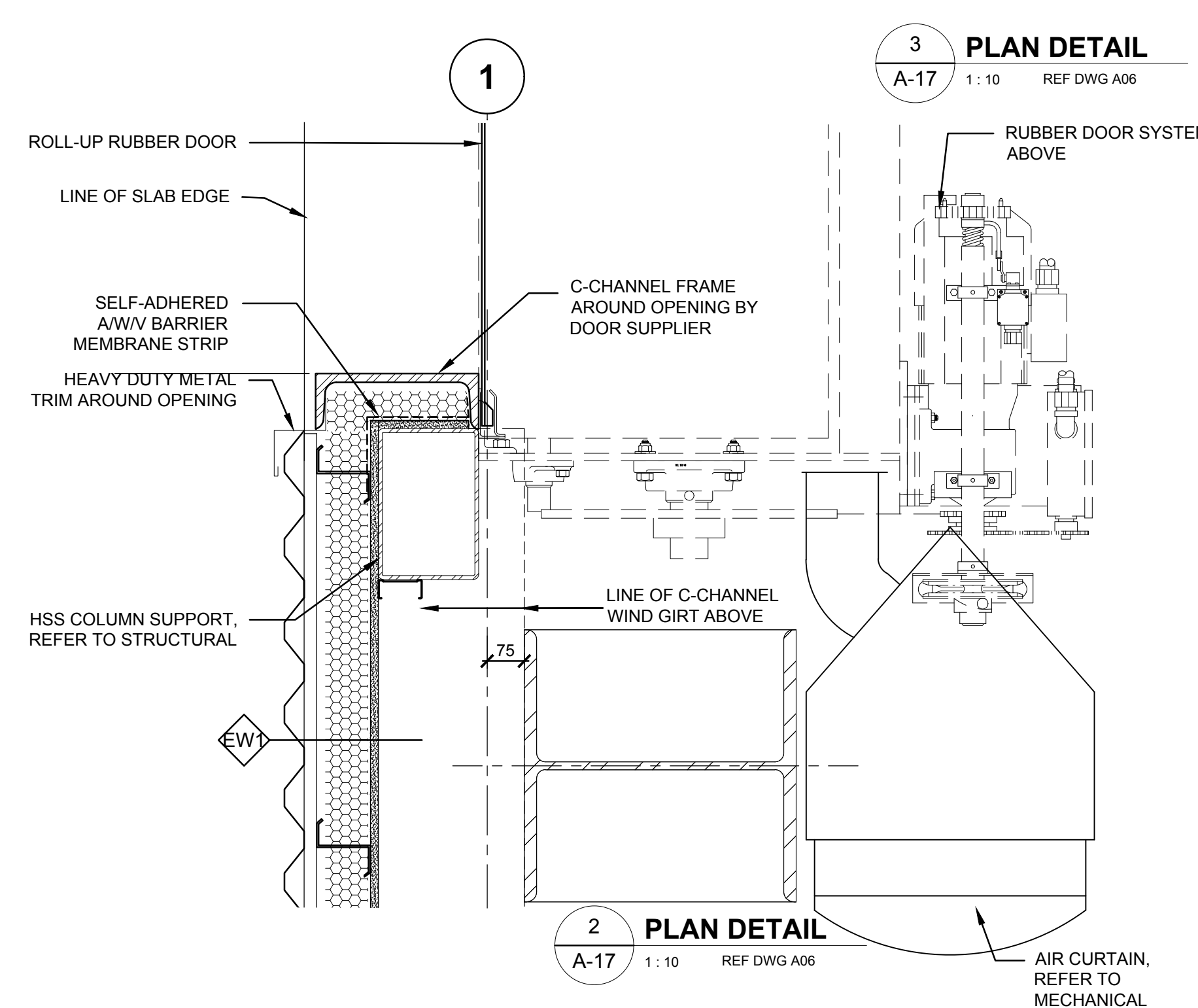
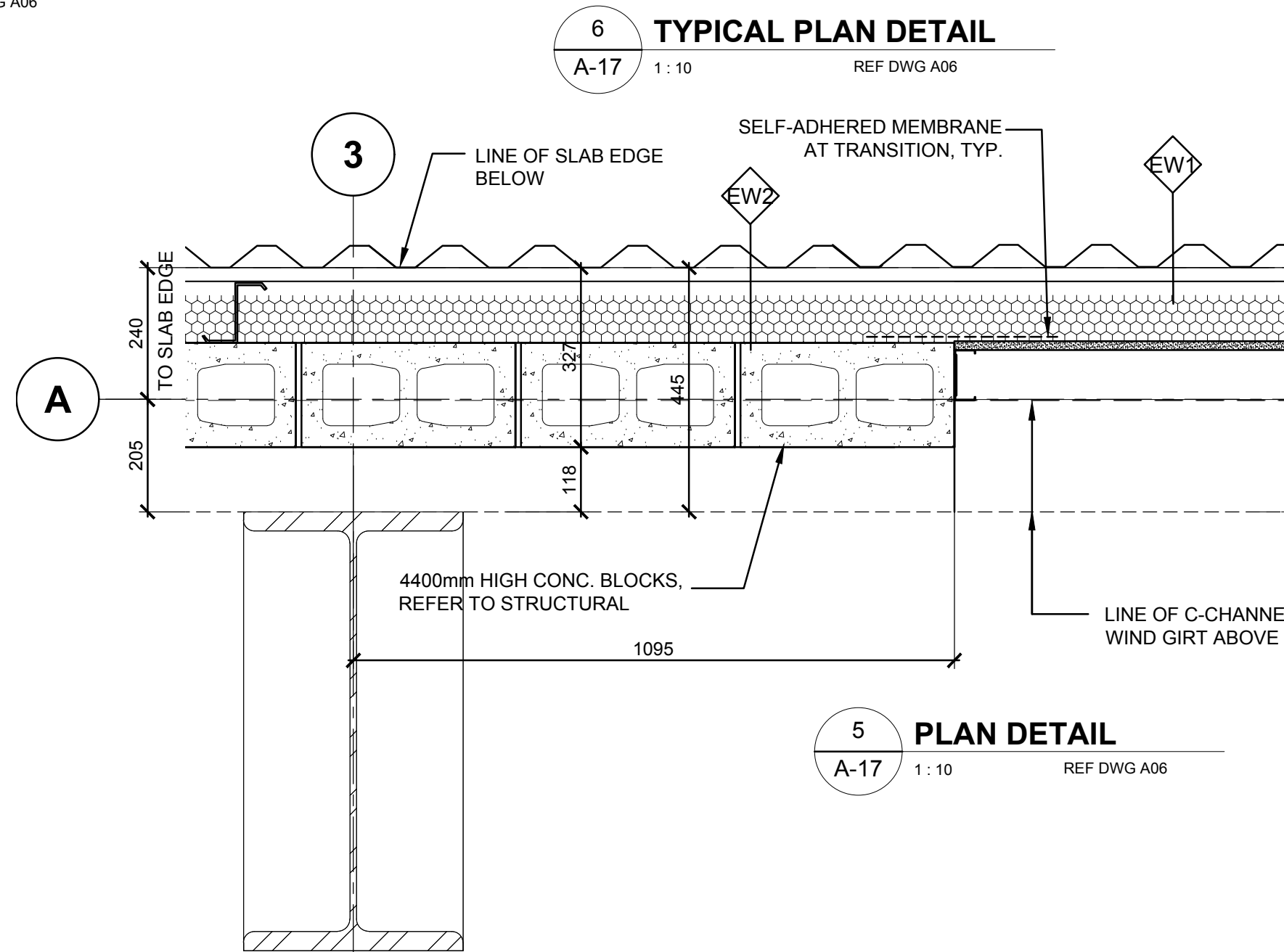
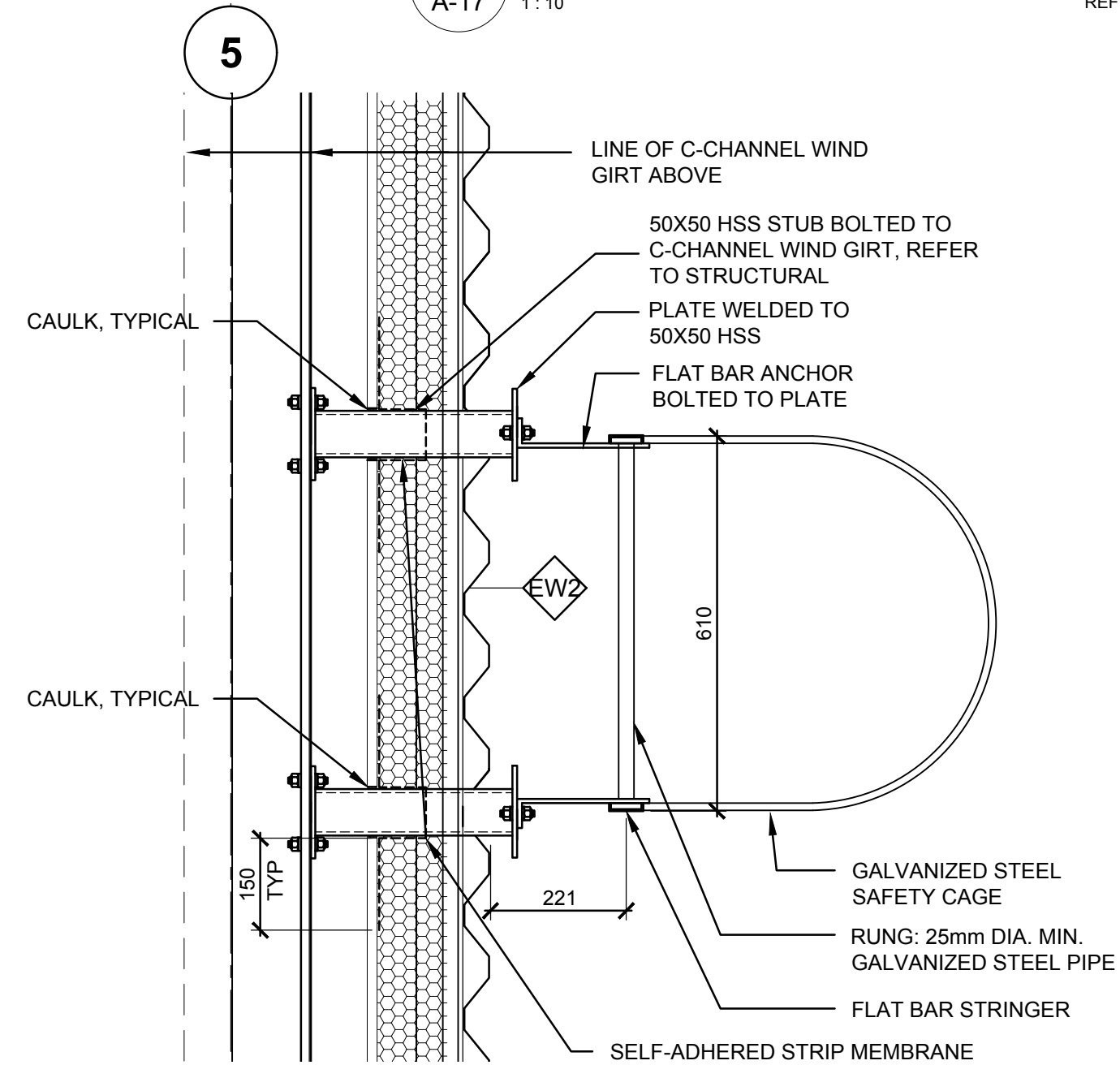
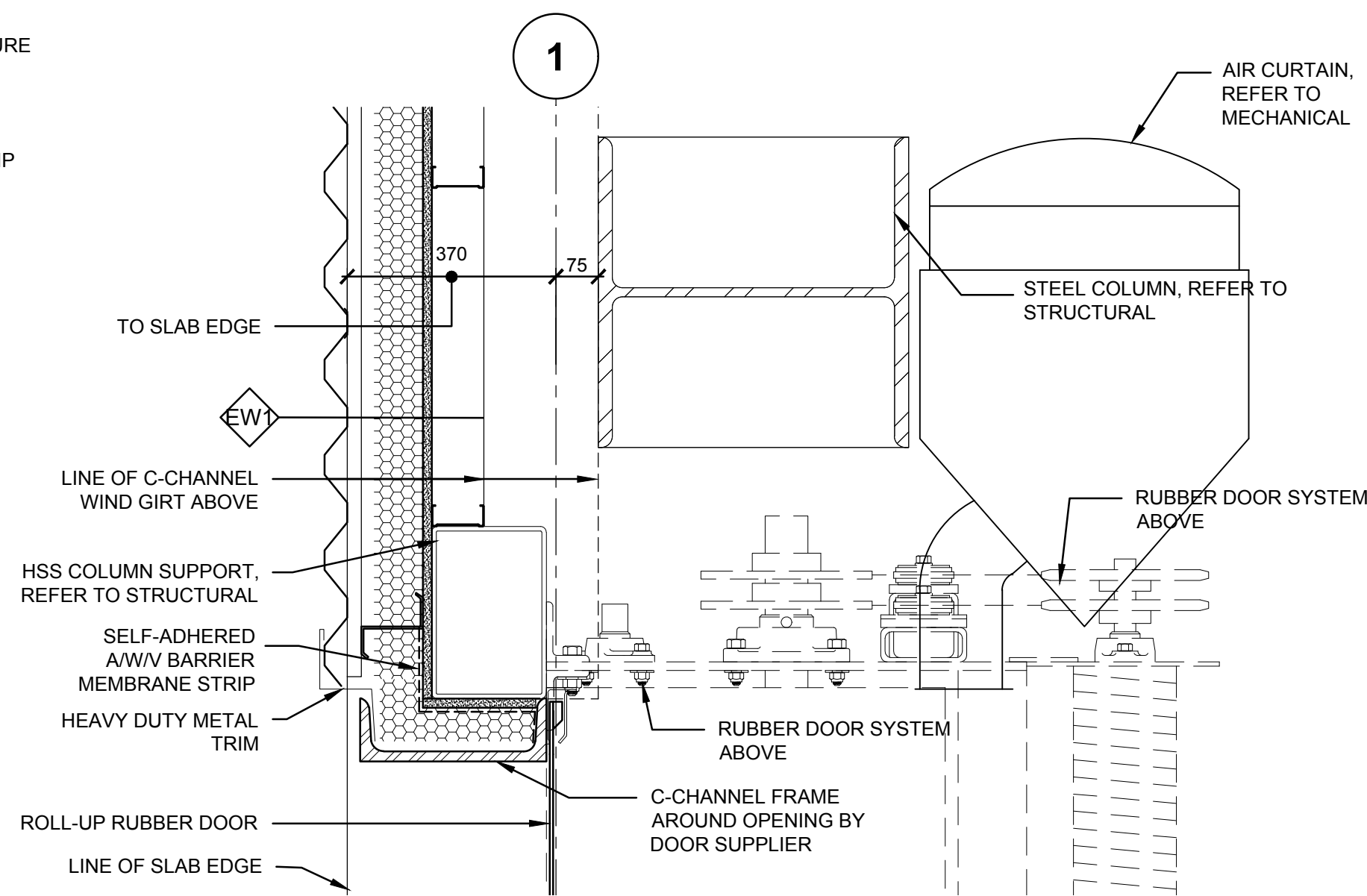
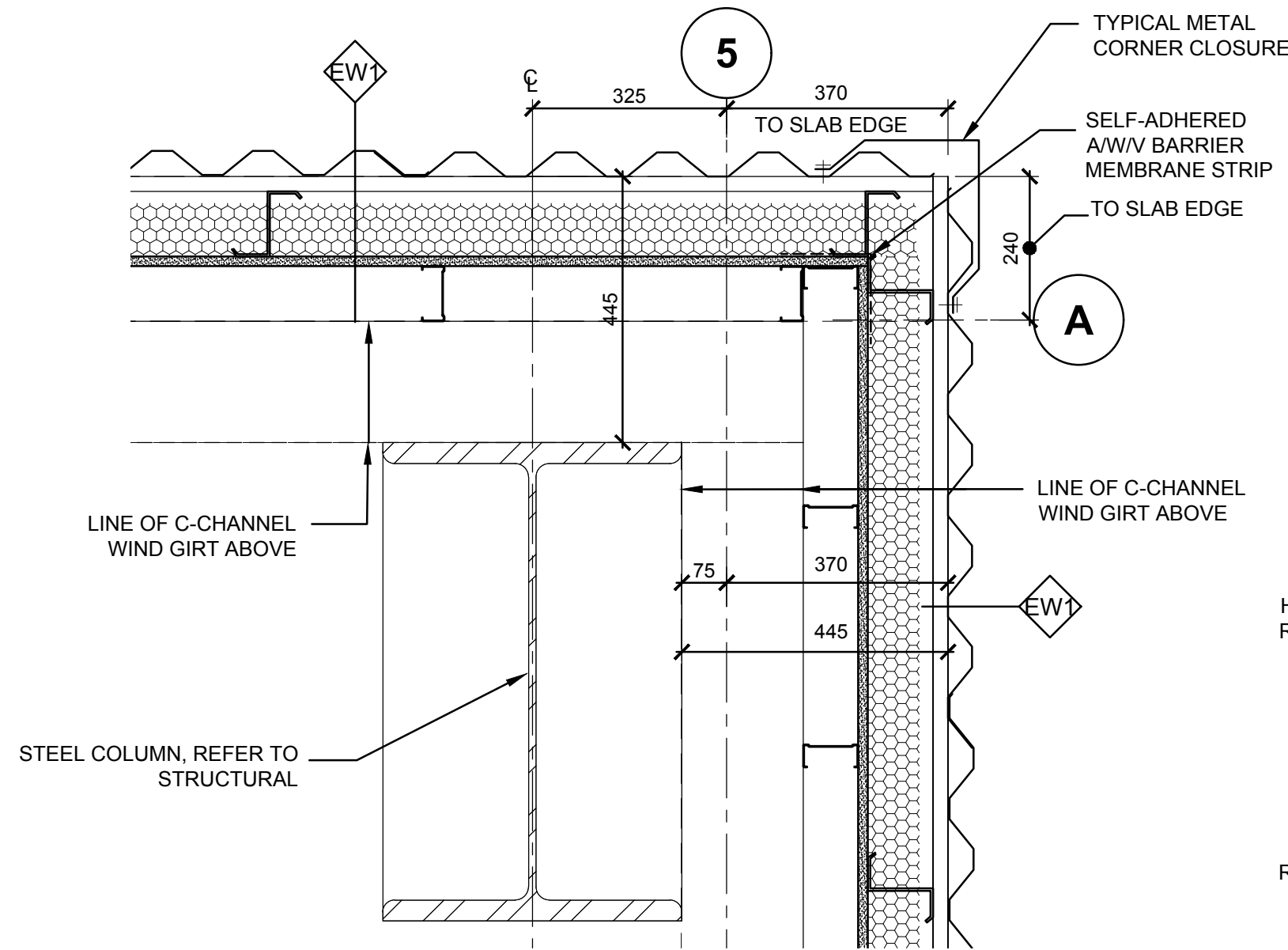
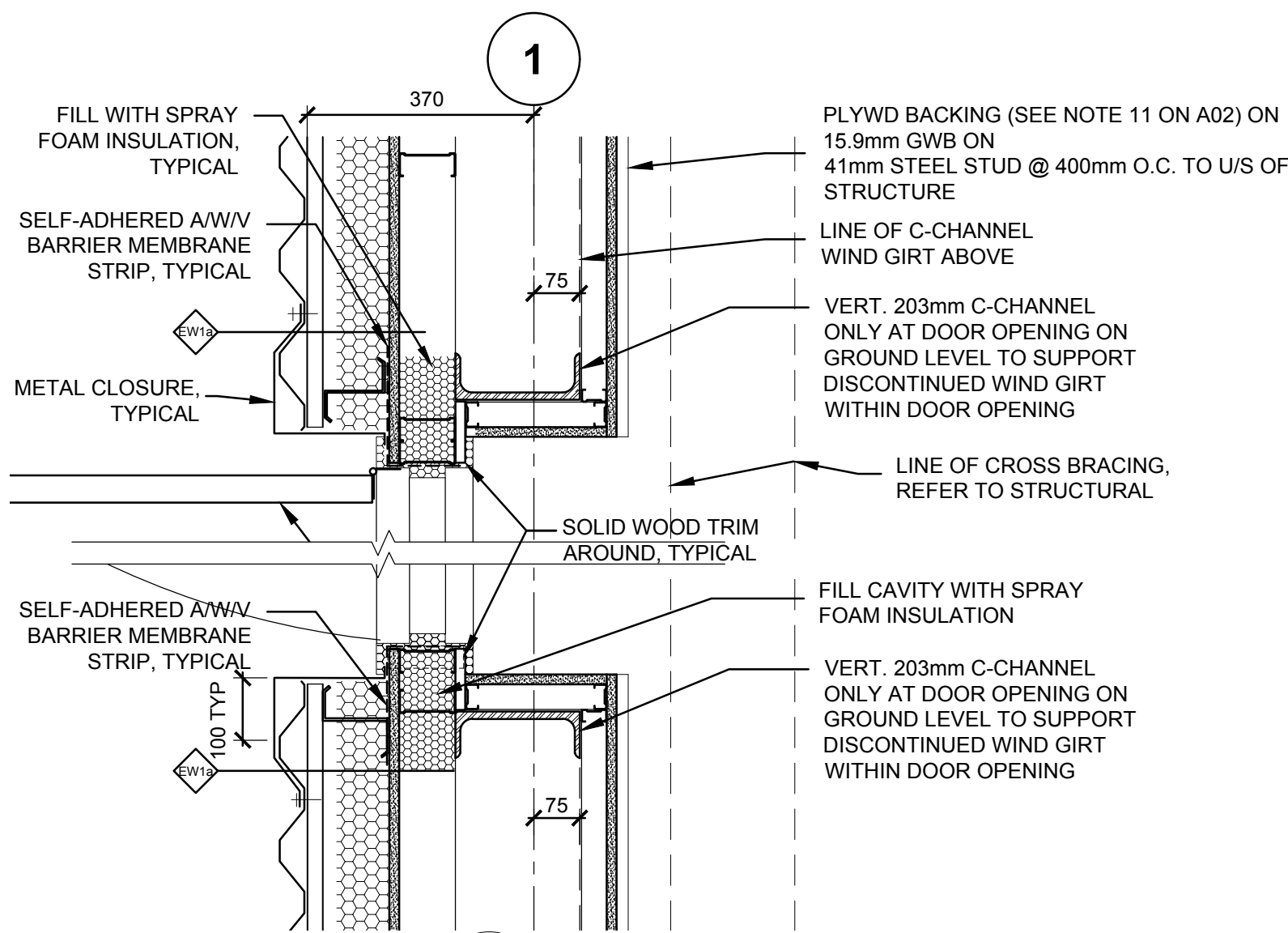
PWGSC Project Manager/Administrateur de Projets TPSGC
PATRICK TRUONG

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

Drawing title/Titre du dessin

SECTION DETAILS

Project No./No. du projet R.077596.001	Sheet/Feuille SA16 OF 22	Revision no./ La Révision no. 6
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Public Works and Government Services Canada

Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES

Pacific Region

SERVICES IMMOBILIERS

Région de Pacifique

CHERNOFF THOMPSON ARCHITECTS

6	ISSUED FOR TENDER	2019.03.08
5	ISSUED FOR 100% CD	2016.09.28
4	ISSUED FOR 99% CD REVIEW	2016.07.08
3	ISSUED FOR 66% CD REVIEW	2016.05.04
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1	DESIGN DEVELOPMENT	2016/01/27
0	Schematic Design	2015.12.07
Revision/Revision	Description/Description	Date/Date

Client/client

Project title/Titre du projet

5071 WEST SAANICH ROAD

VICTORIA, BC, CANADA

NRC HERZBERG

ASTRONOMY AND ASTROPHYSICS

ATP INTEGRATION FACILITY

Consultant Signature Only

Designed by/Concept par T.Y.

Drawn by/Dessiné par S.K.

PWGSC Project Manager/Administrateur de Projets TPSGC

PATRICK TRUONG

Regional Manager, Architectural and Engineering Services

Gestionnaire régionale, Services d'architectural et de génie, TPSGC

PAUL PREETIPAL

Drawing title/Titre du dessin

PLAN DETAILS

Project No./No. du projet

R.077596.001

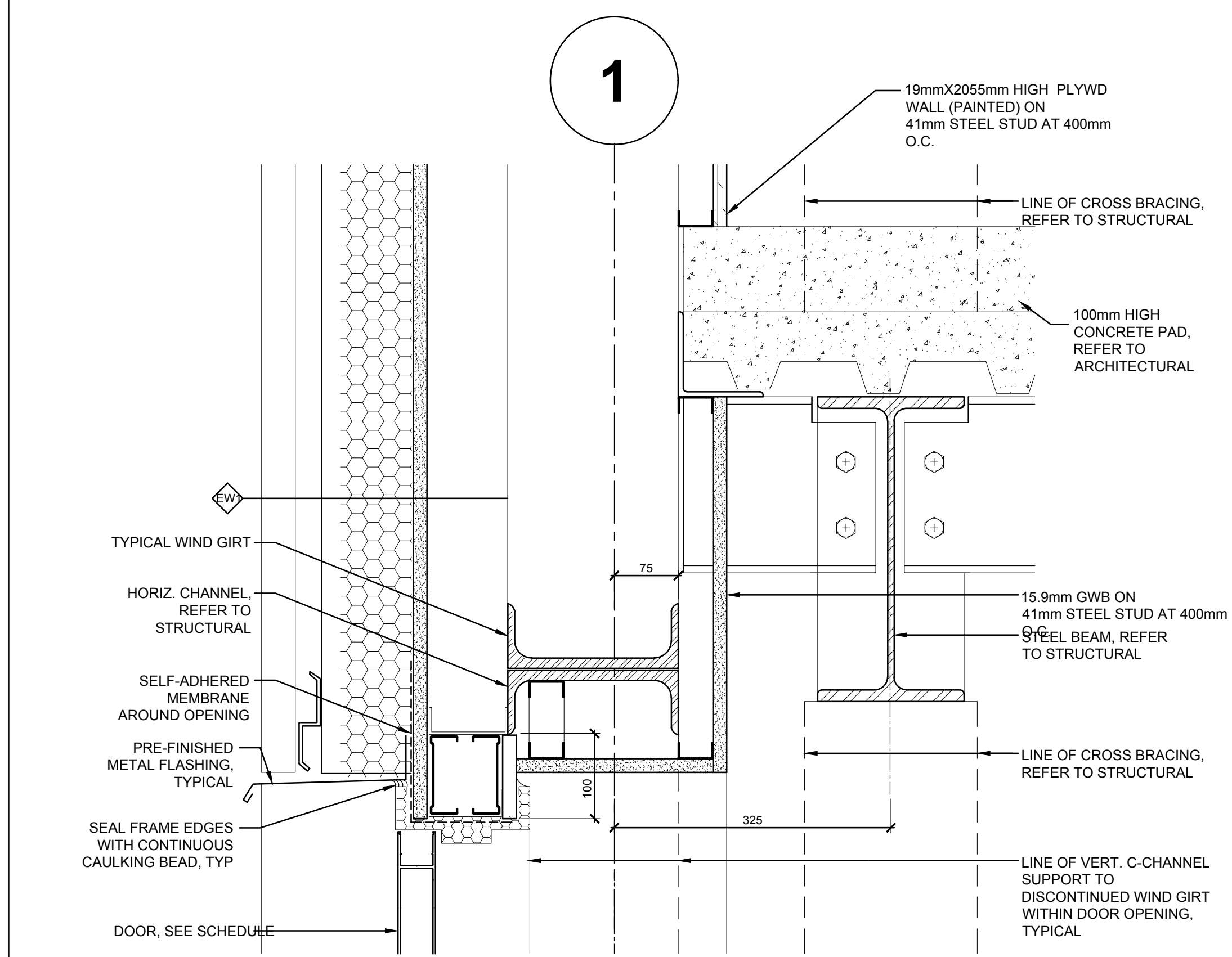
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SA17

Revision no./La Révision no.

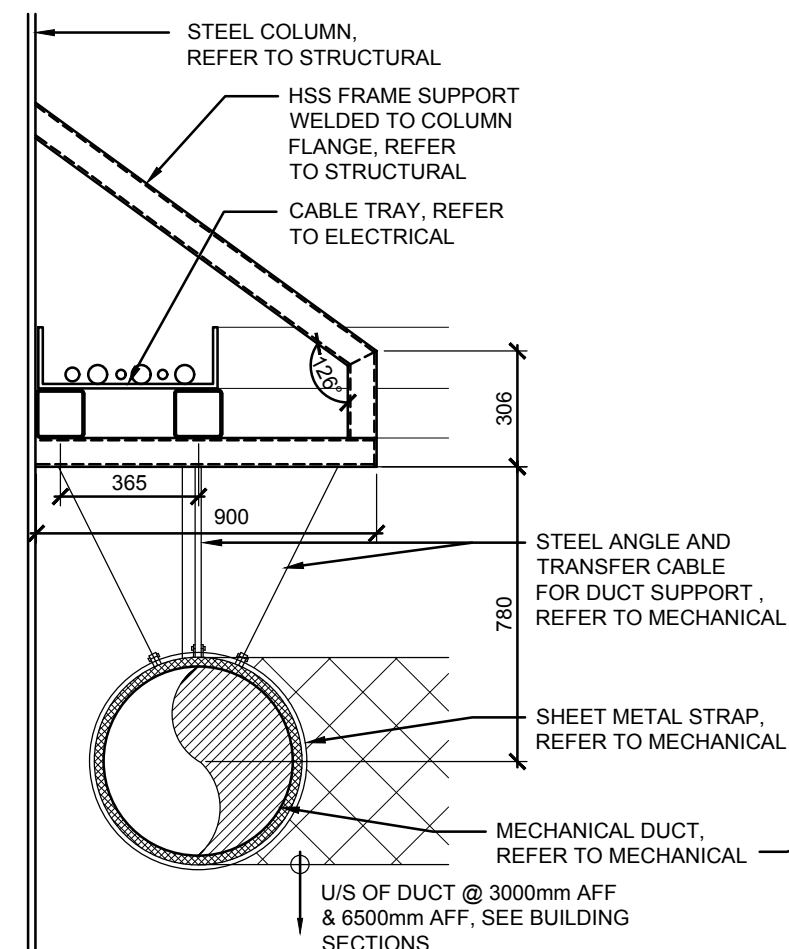
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OF 22



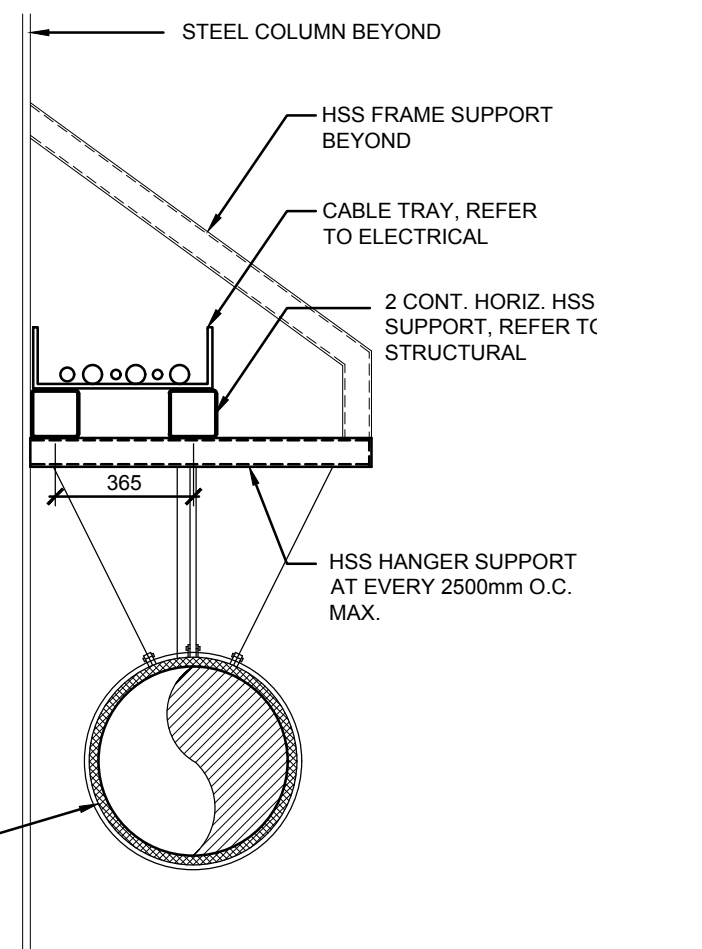
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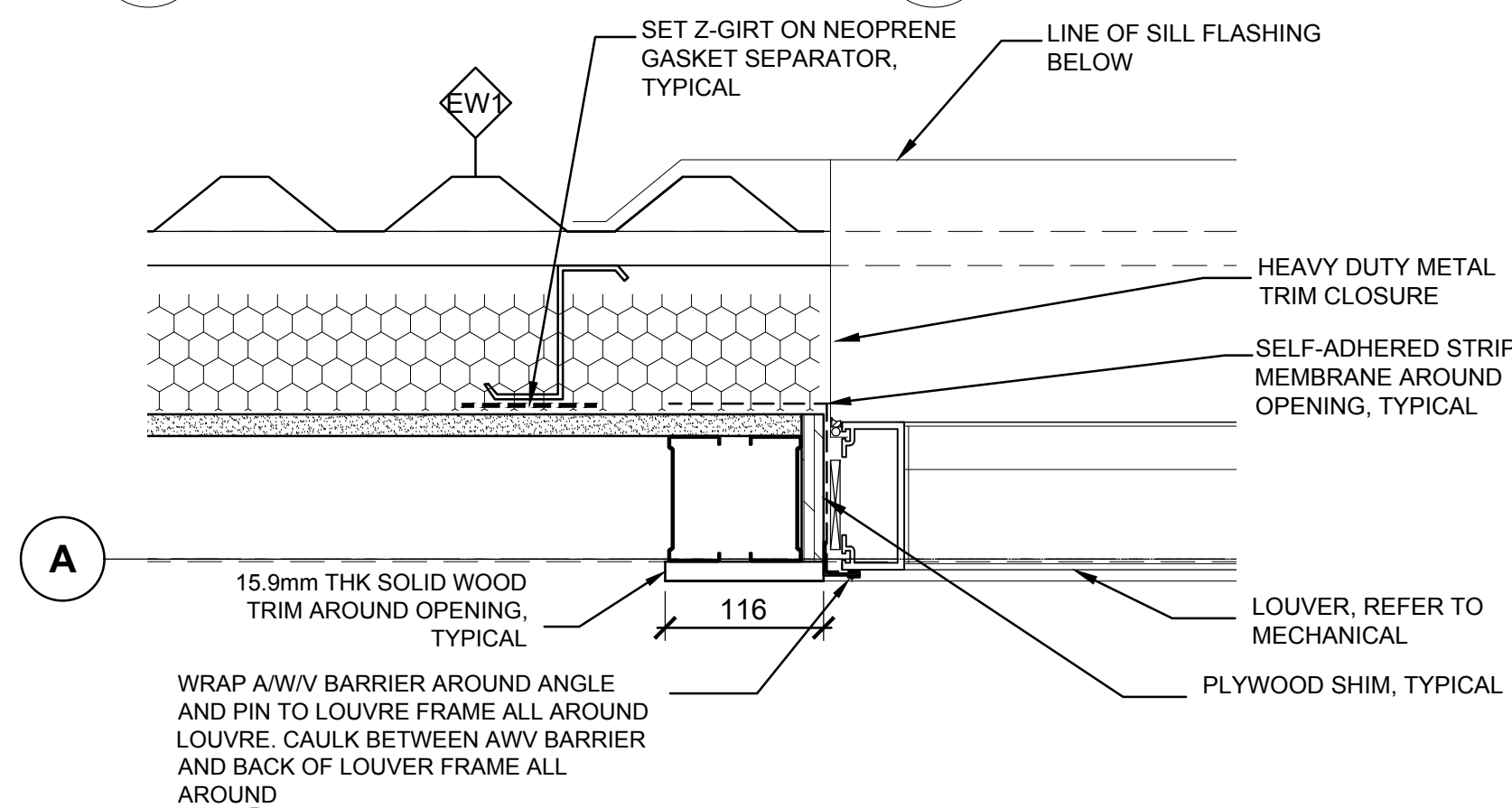
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A-18 1:20



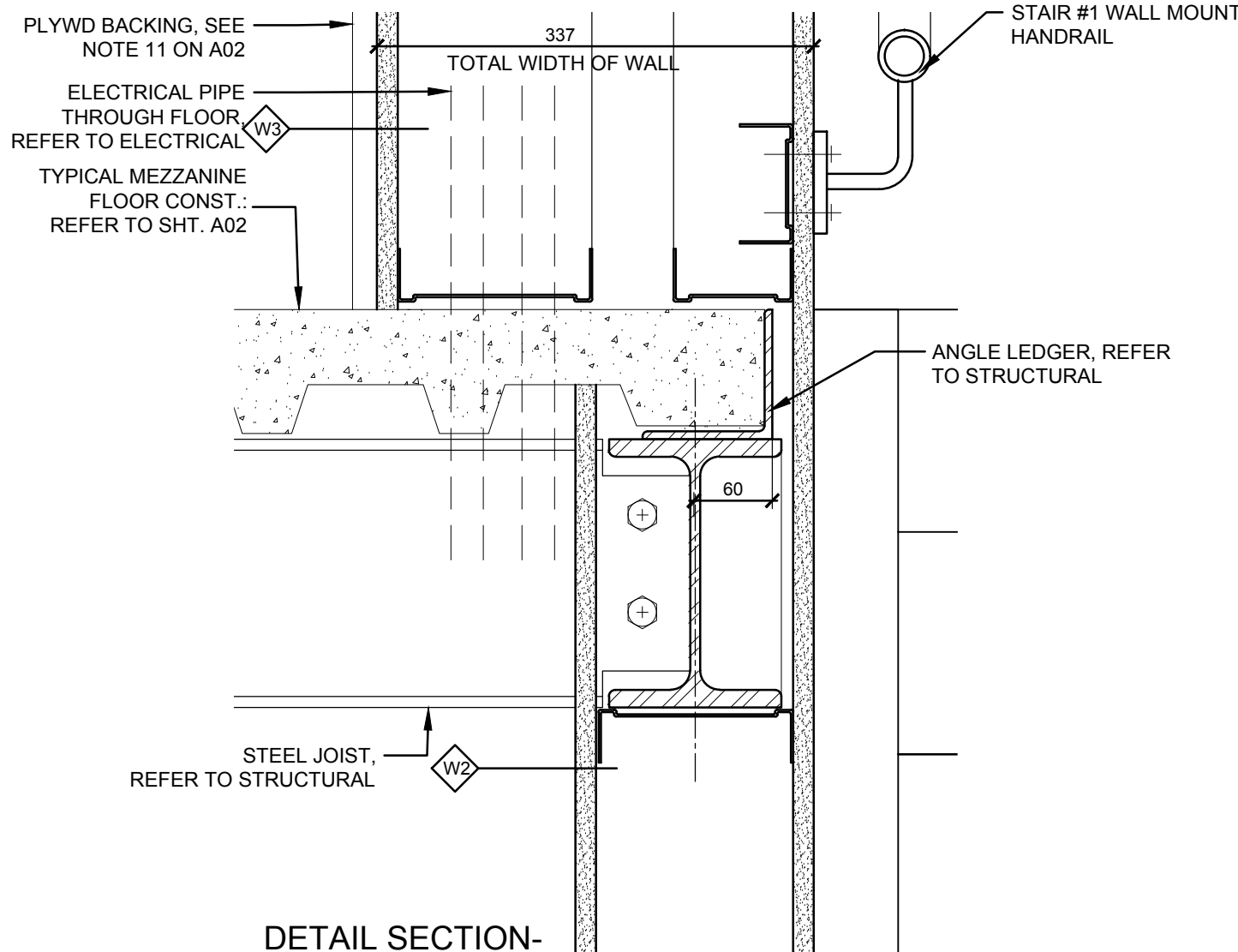
DETAIL SECTION-
AIR DUCT SUPPORT BETW COLUMNS

A-18 1:20



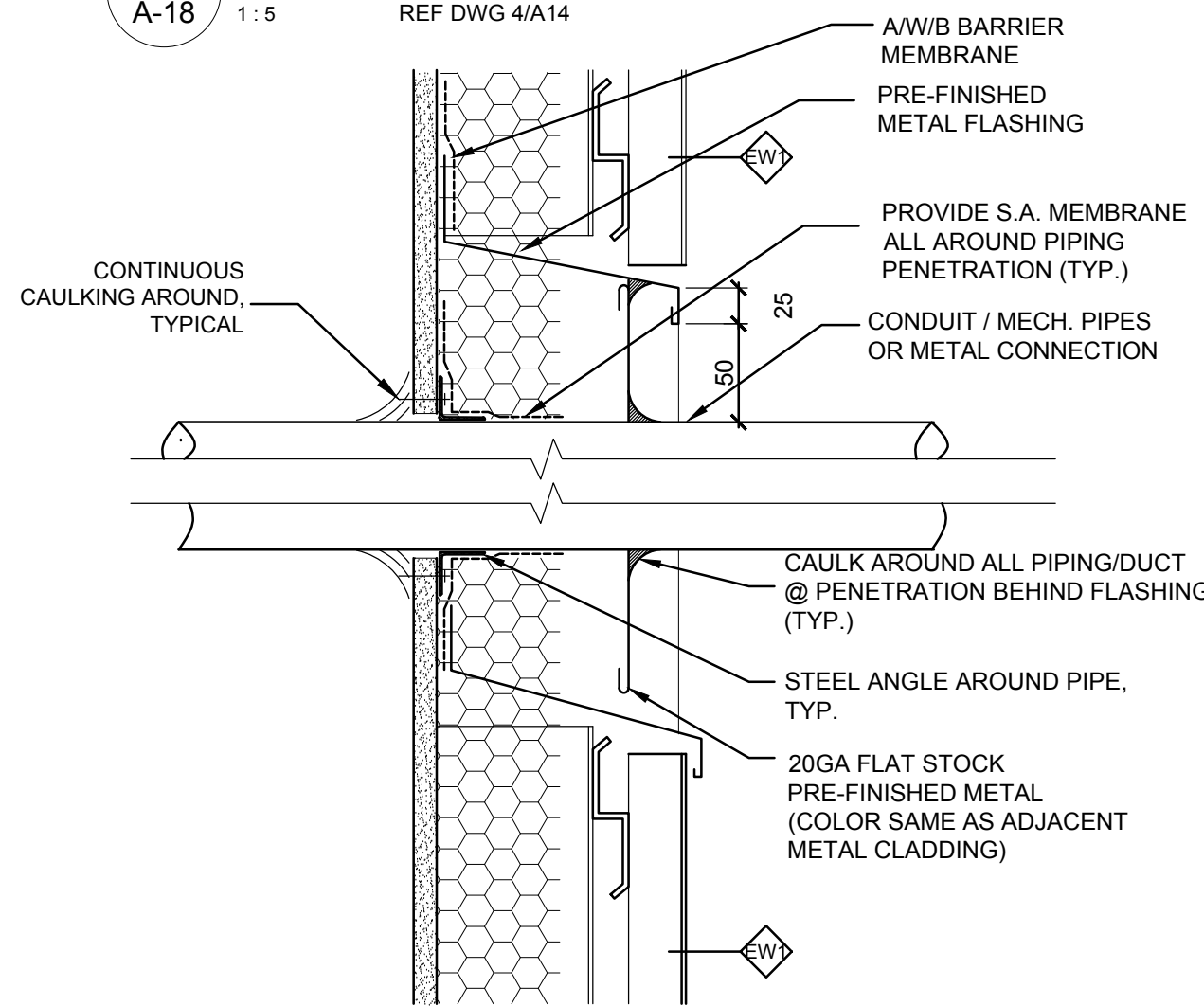
PLAN DETAIL - TYPICAL LOUVER JAMB

A-18 1:5



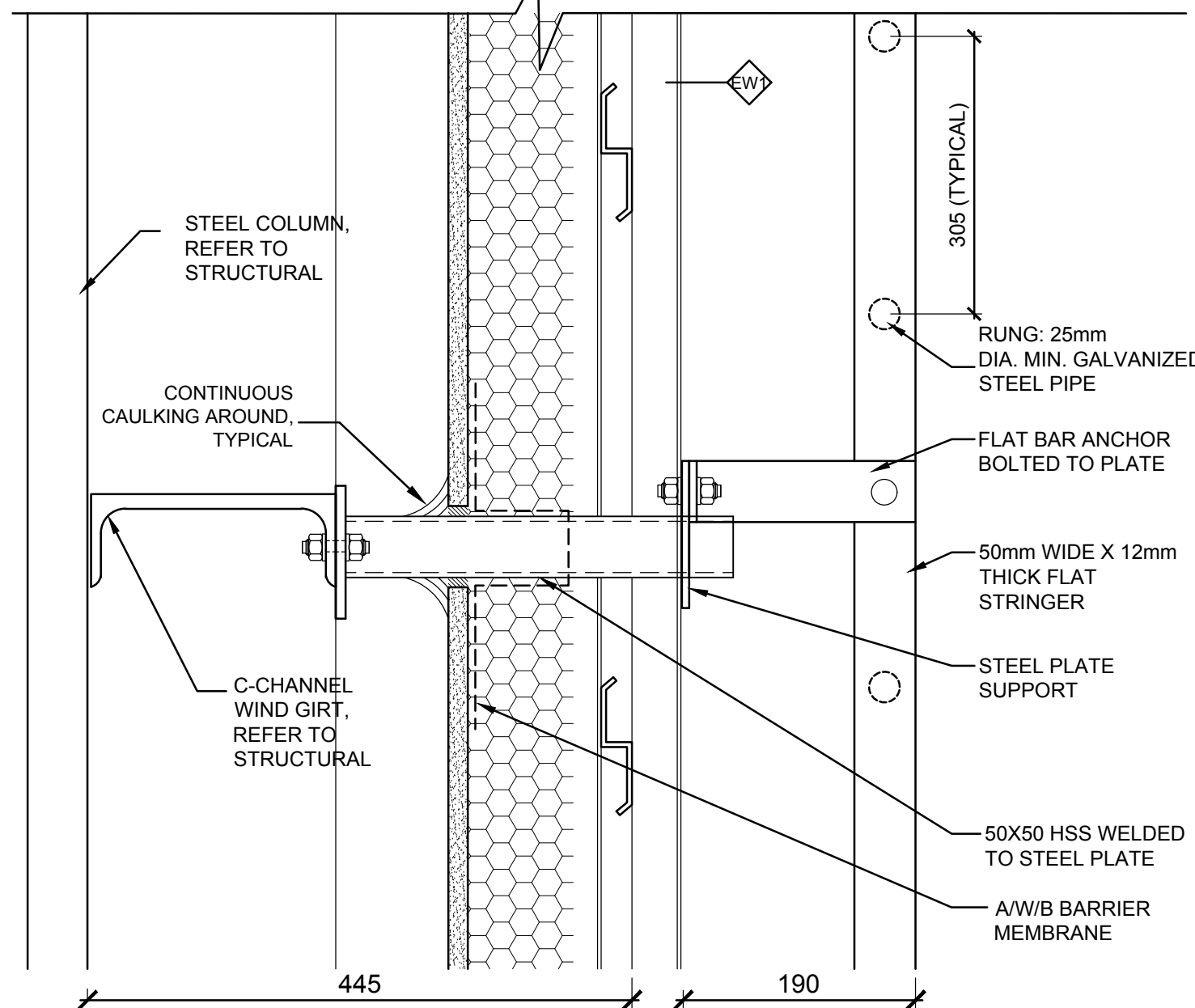
DETAIL SECTION-
MEZZANINE DECK

A-18 1:5 REF DWG 4/A14



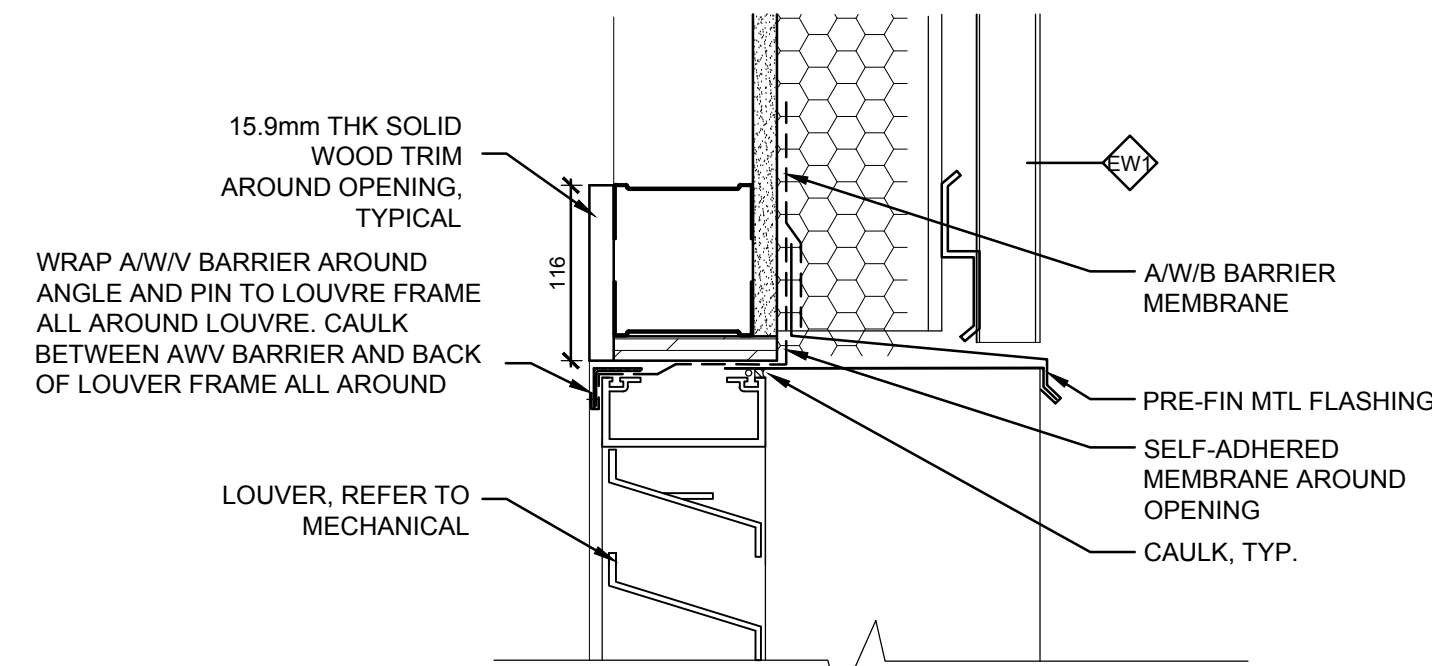
SECTION DETAIL -
TYPICAL WALL PENETRATION

A-18 1:5



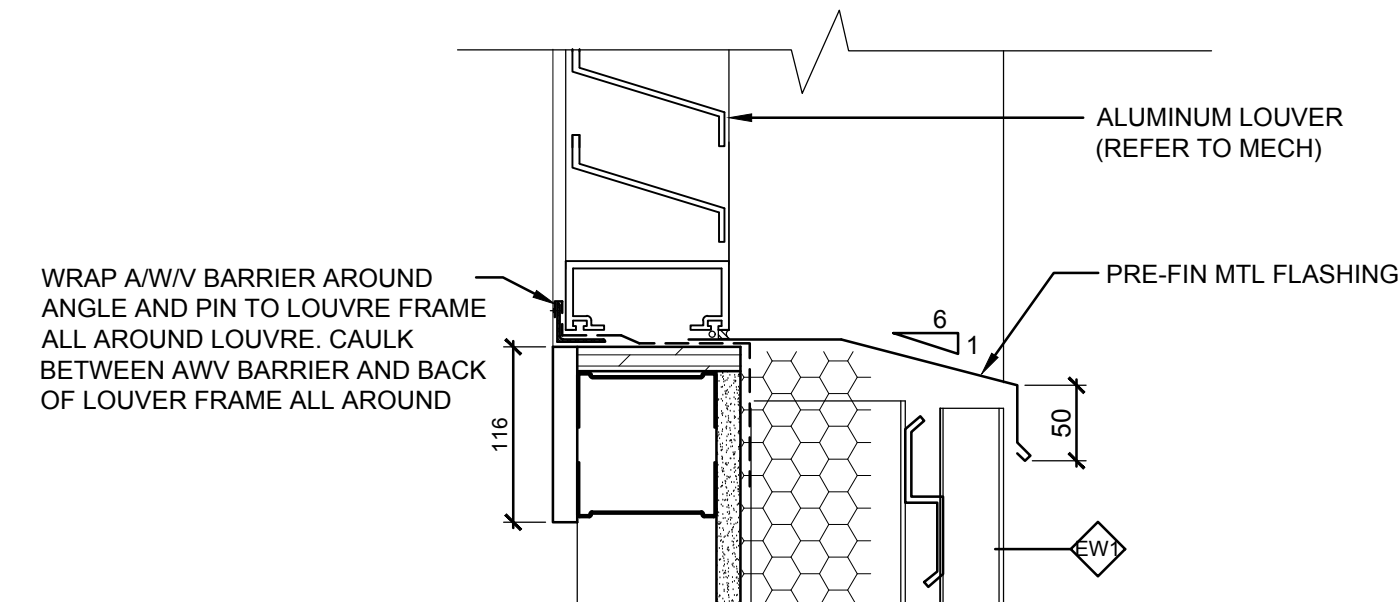
SECTION DETAIL - EXTERIOR
FIXED STEEL LADDER SUPPORT

A-18 1:5



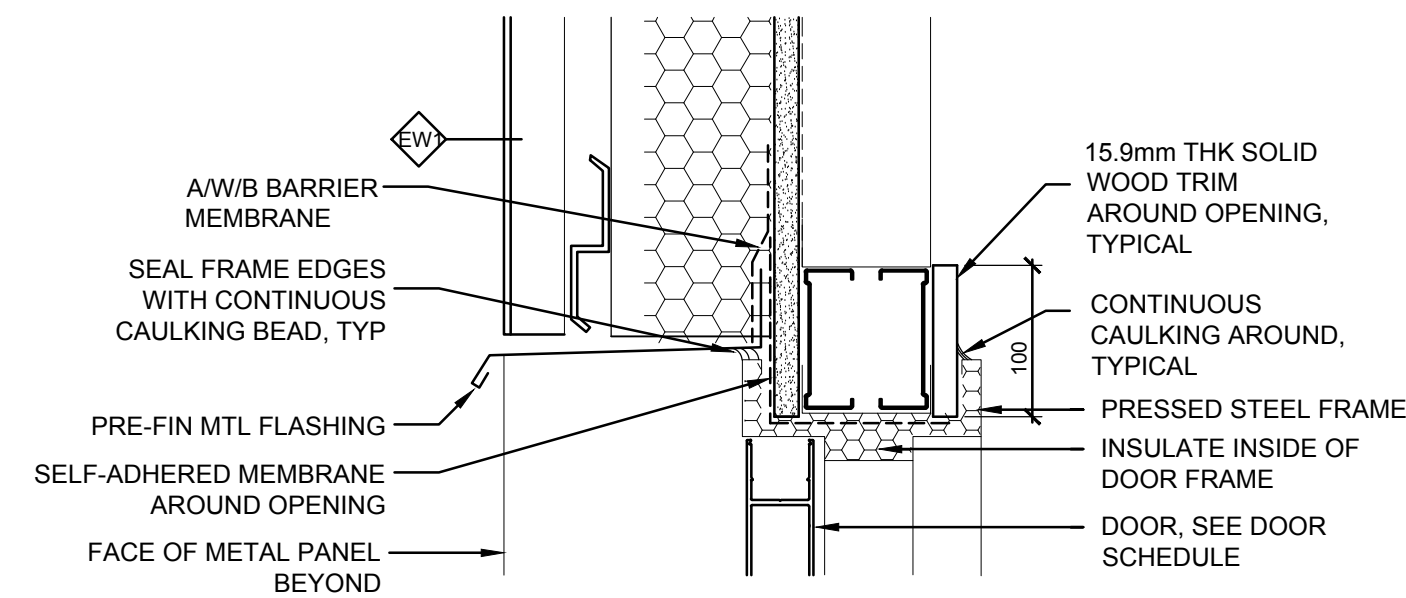
SECTION DETAIL -
TYPICAL LOUVER HEAD

A-18 1:5



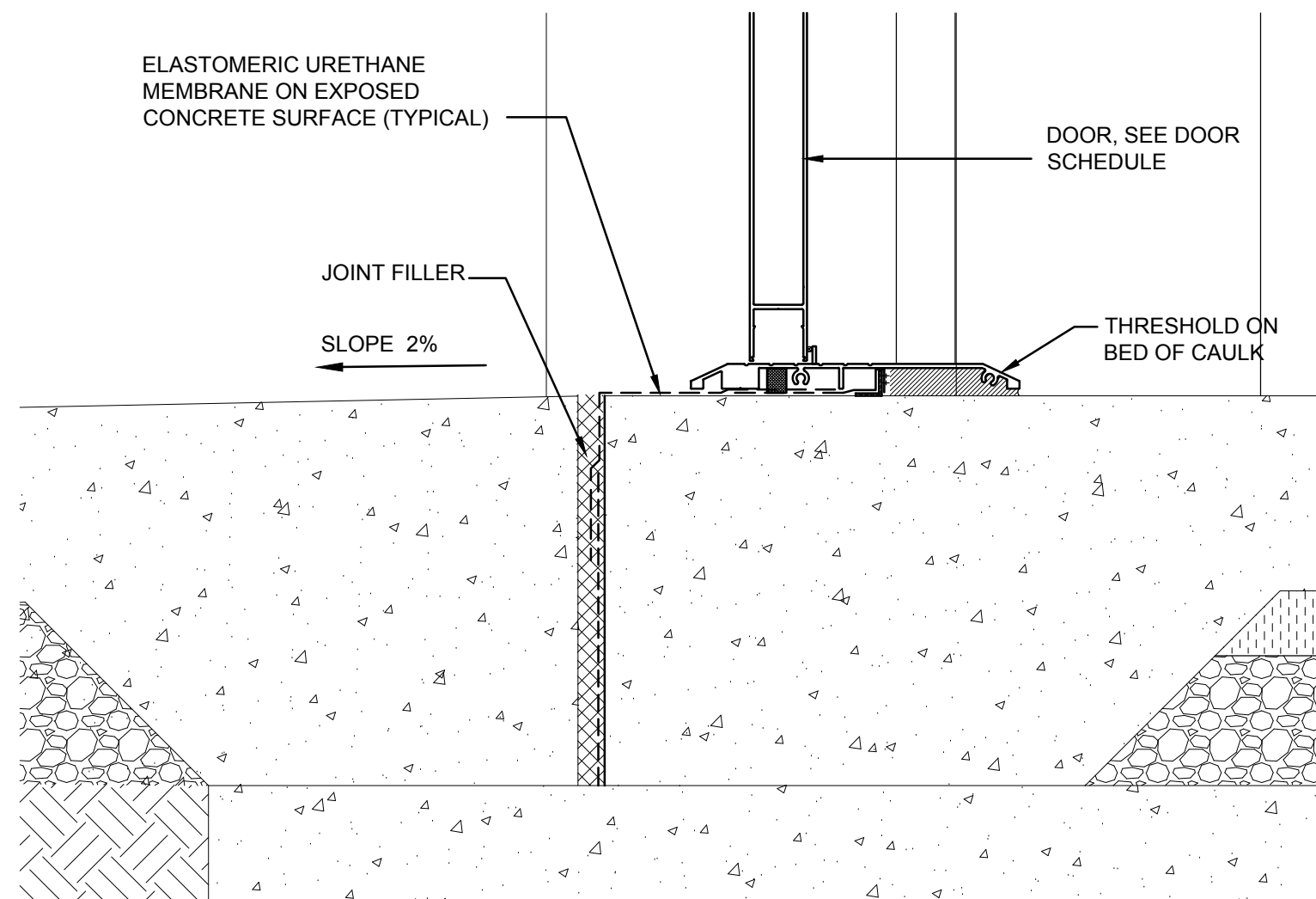
SECTION DETAIL -
TYPICAL LOUVER SILL

A-18 1:5



SECTION DETAIL -
TYPICAL DOOR HEAD

A-18 1:5



SECTION DETAIL -
TYPICAL DOOR THRESHOLD

A-18 1:5



Revision/Revision	Description/Description	Date/Date
6	ISSUED FOR TENDER	2019.03.08
5	ISSUED FOR 100% CD	2016.09.28
4	ISSUED FOR 99% CD REVIEW	2016.07.08
3	ISSUED FOR 66% CD REVIEW	2016.05.04
2	ISSUED FOR 33% CD REVIEW	2016.02.19
1	DESIGN DEVELOPMENT	2016.01.27
0	Schematic Design	2015.12.07

Project title/Titre du projet
5071 WEST SAANICH ROAD
VICTORIA, BC, CANADA

NRC HERZBERG
ASTRONOMY AND ASTROPHYSICS
ATP INTEGRATION FACILITY

Consultant Signature Only

Designed by/Concept par
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Drawn by/Dessiné par
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PWGSC Project Manager/Administrateur de Projets TPSGC
PATRICK TRUONG

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

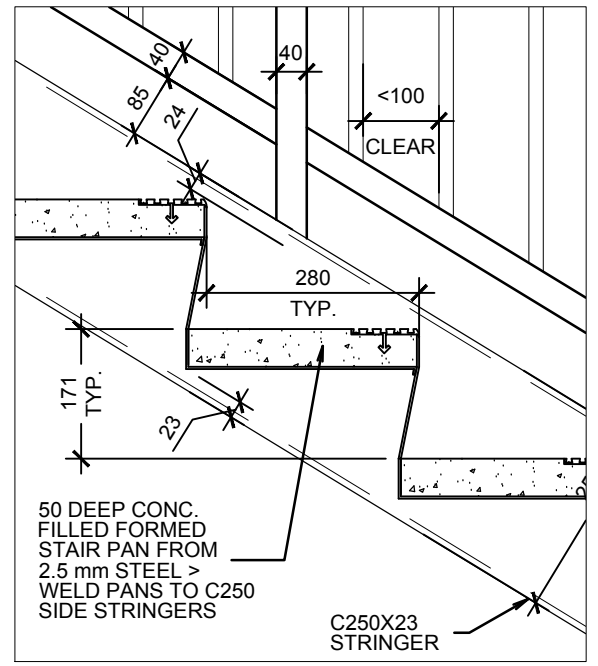
Drawing title/Titre du dessin

PLAN/SECTION DETAILS

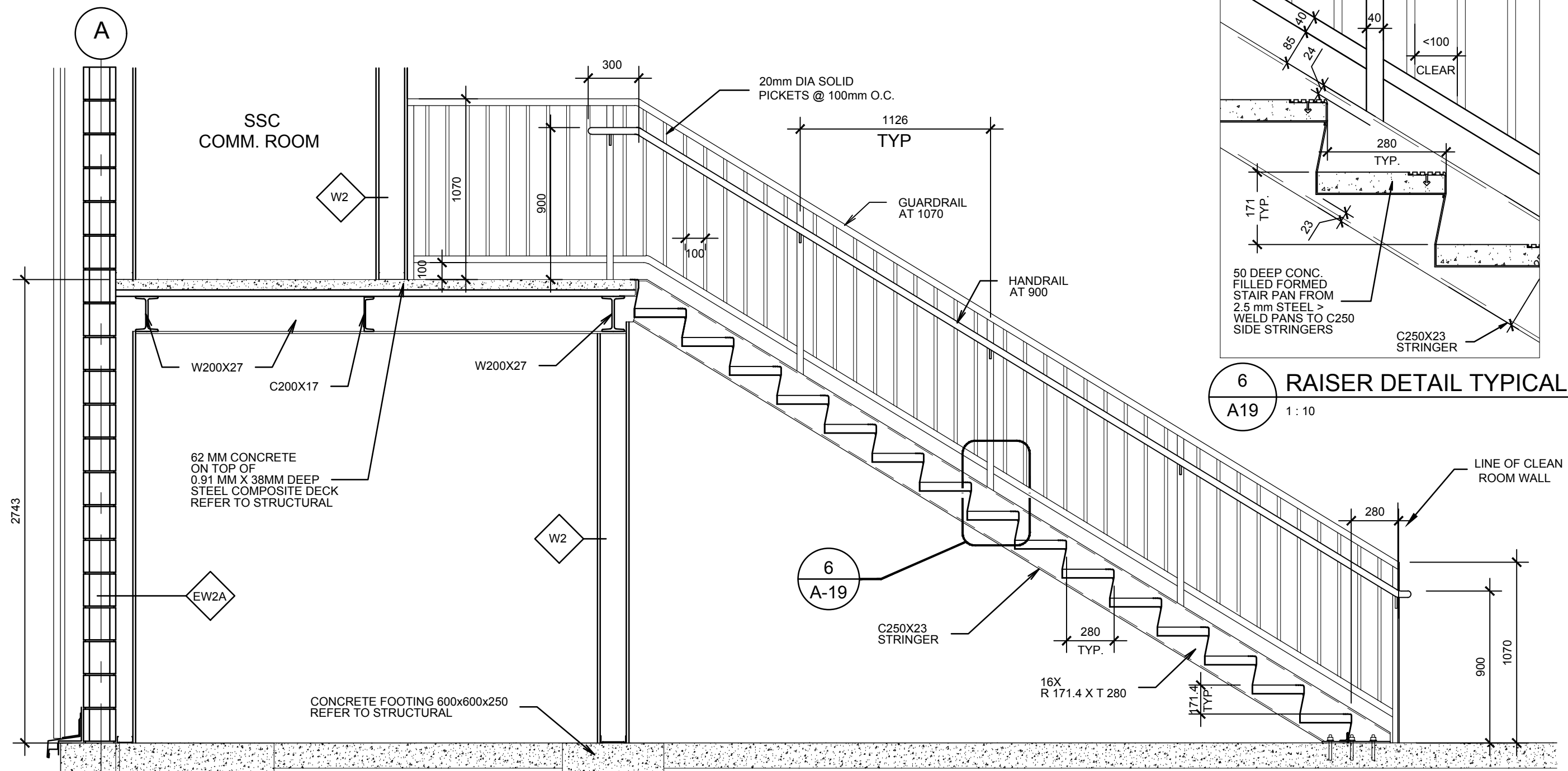
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projet
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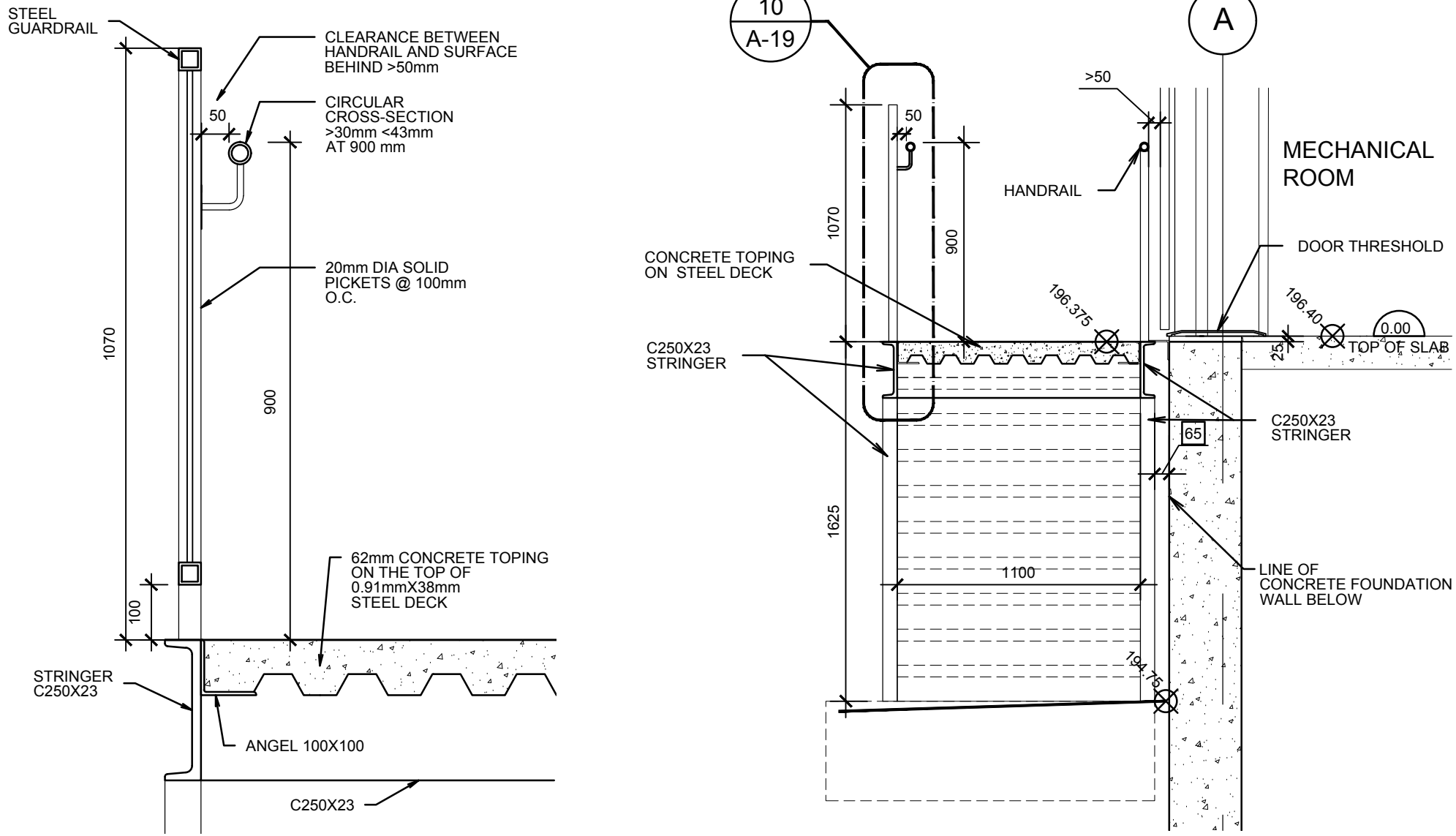
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La Révision
no.
6



6 RAISER DETAIL TYPICAL
A19 1:10

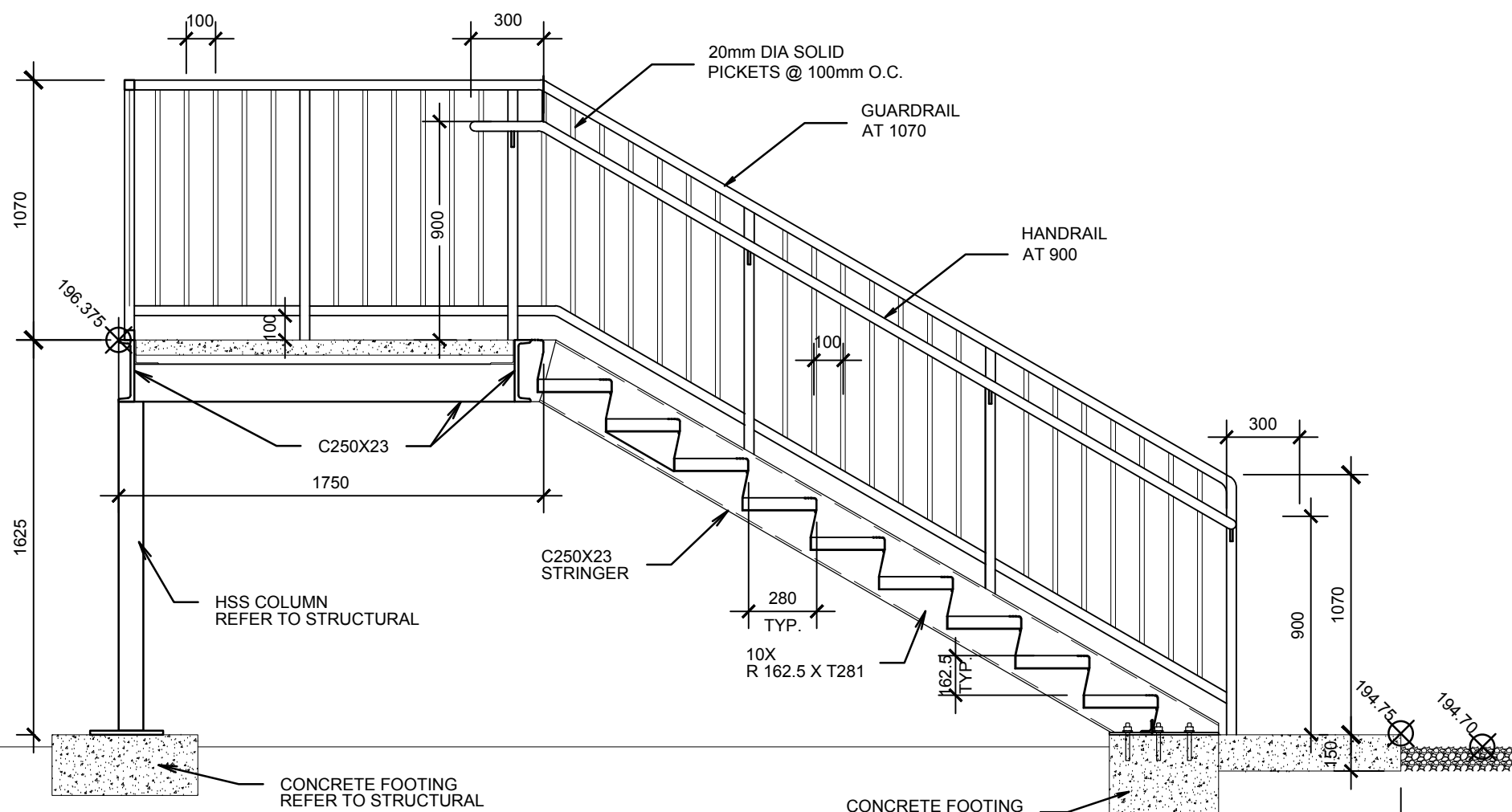


5 STAIR #1 SECTION
A19 1:25

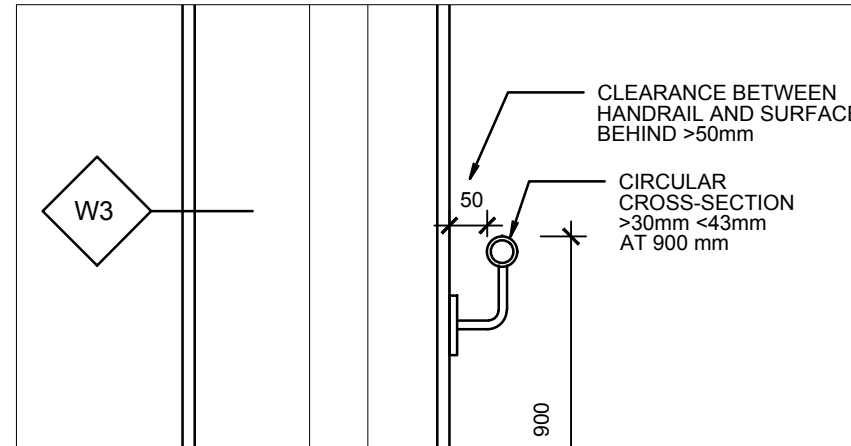


9 STAIR #2 SECTION
A19 1:25

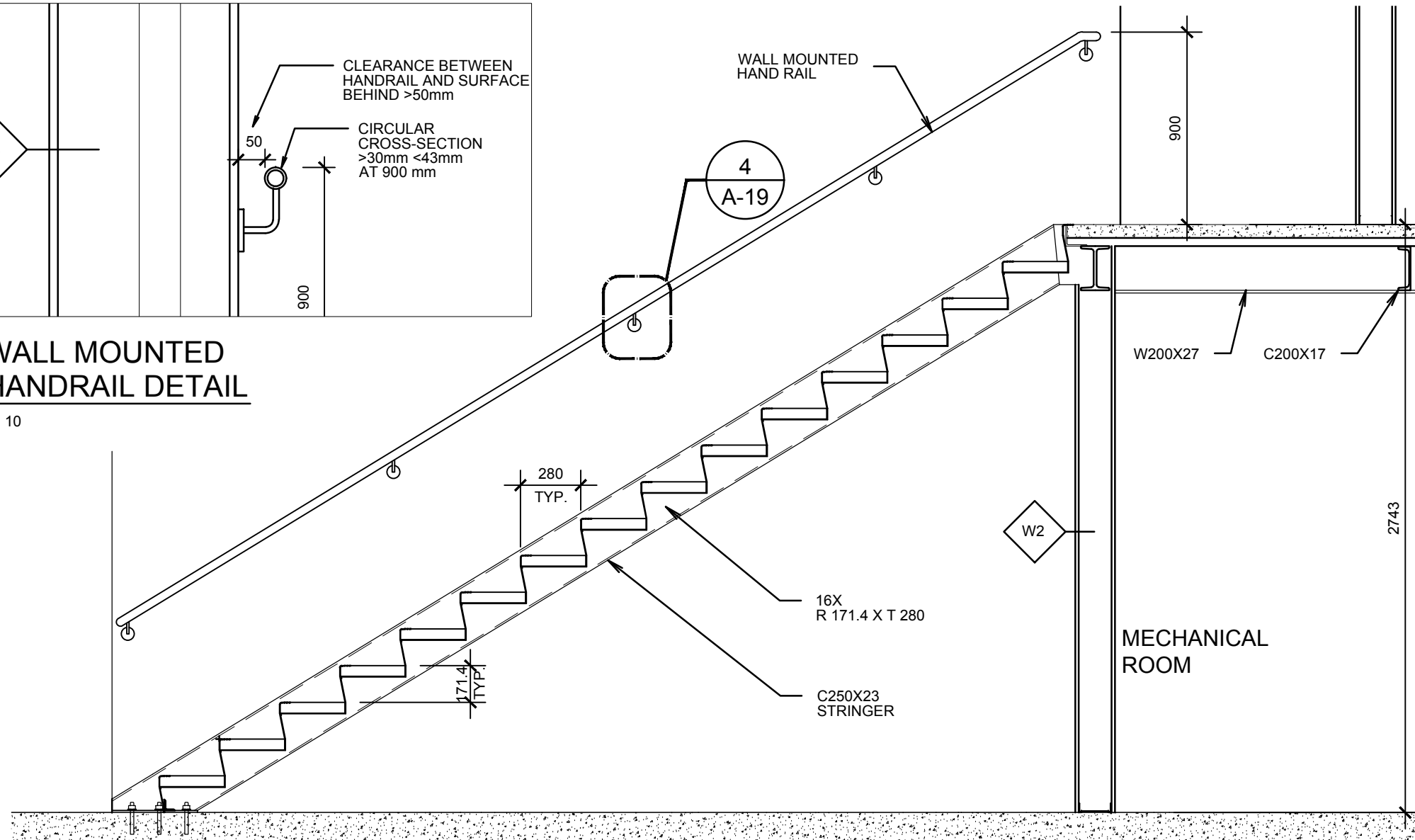
10 HANDRAIL DETAIL TYPICAL
A19 1:10



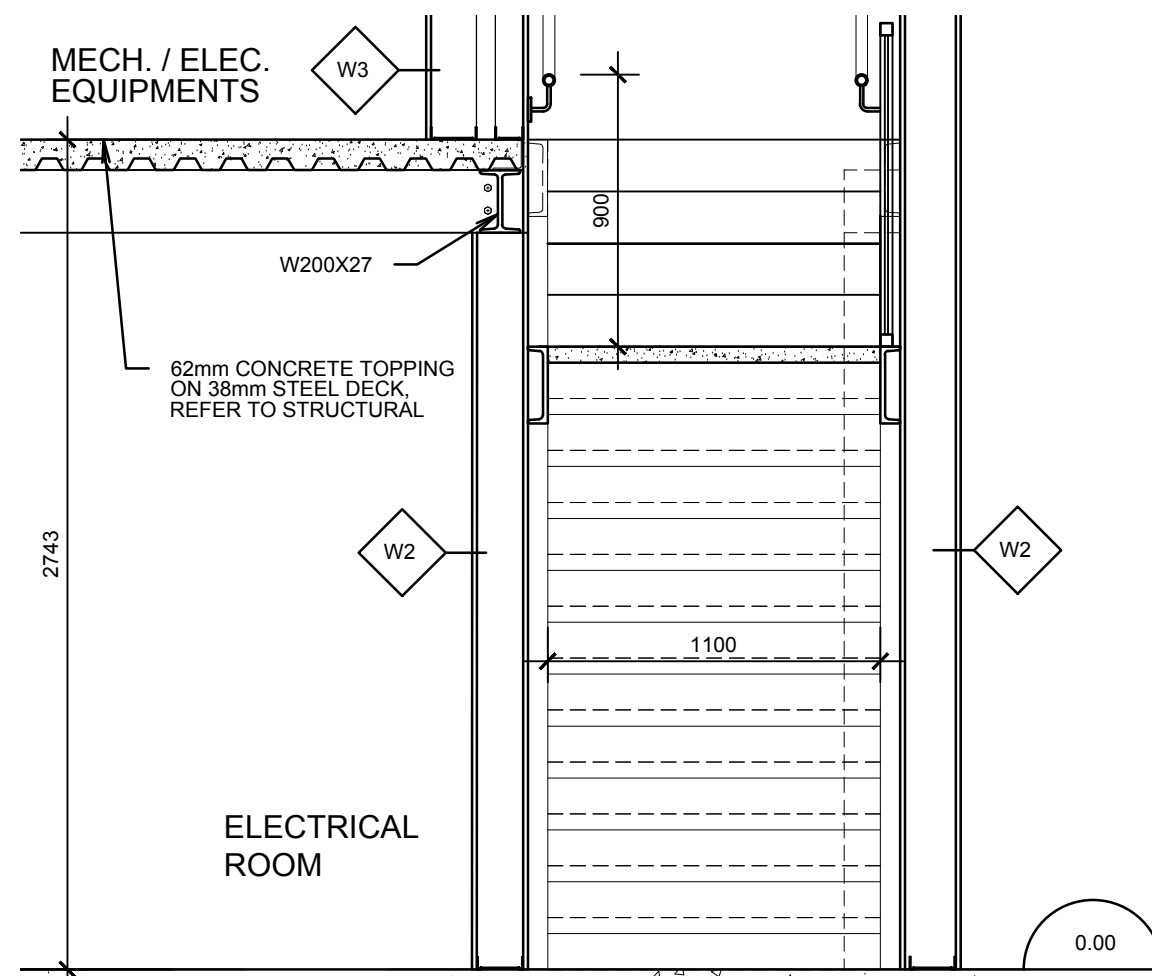
8 STAIR #2 SECTION
A19 1:25



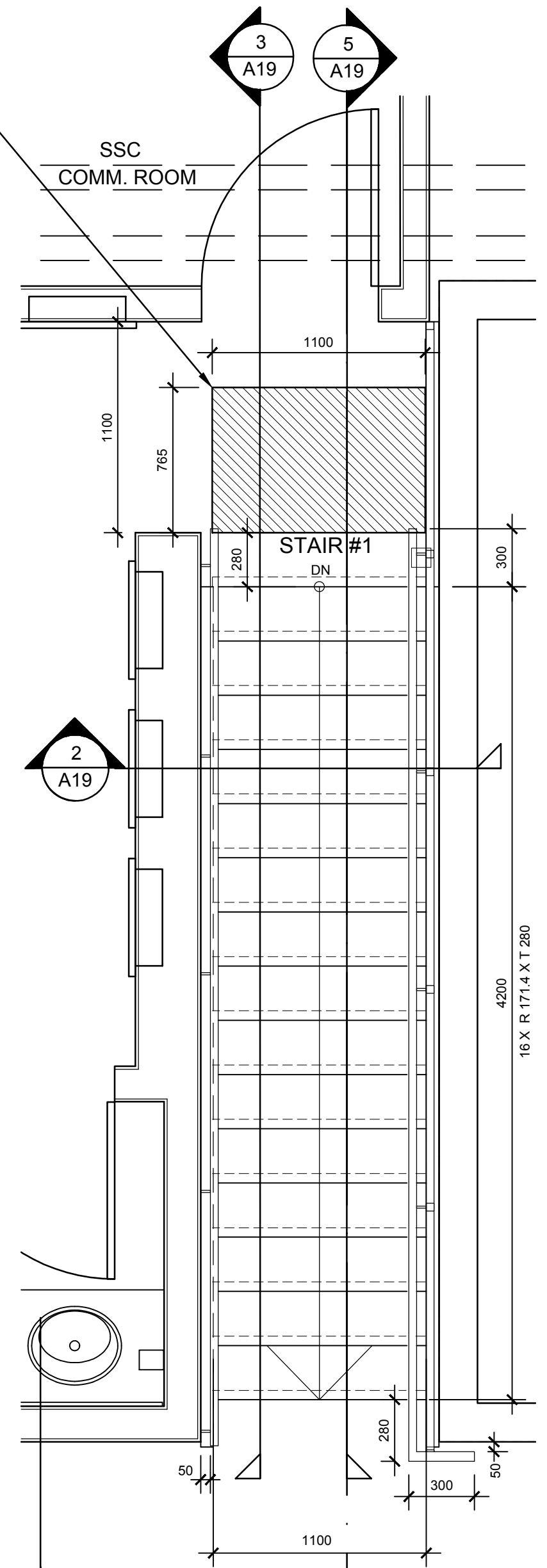
4 WALL MOUNTED
HANDRAIL DETAIL
A19 1:10



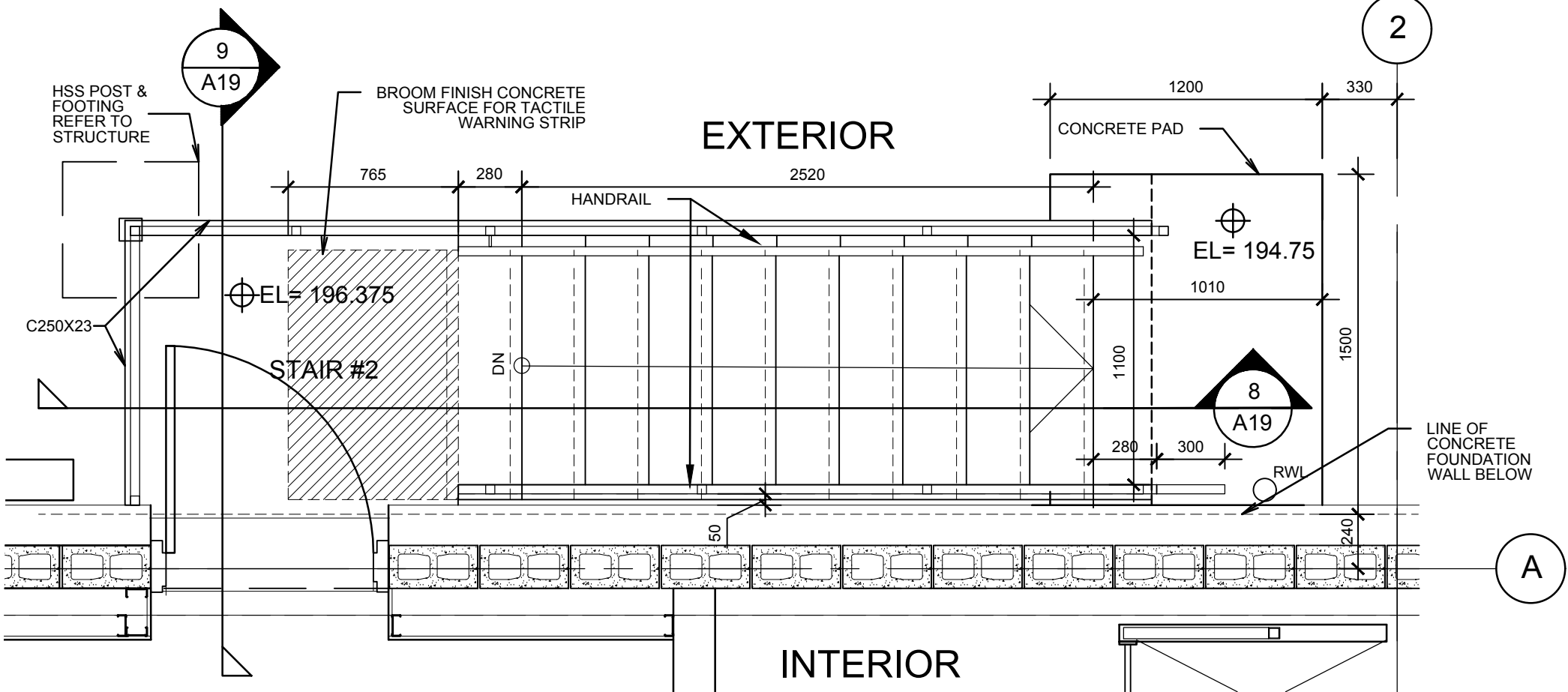
3 STAIR #1 SECTION
A19 1:25



2 STAIR #1 SECTION
A19 1:25



1 STAIR #1 FLOOR PLAN
A19 1:25



7 STAIR #2 FLOOR PLAN
A19 1:25

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5		
4		
3		
2	ISSUED FOR TENDER	2019.03.08
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PAUL PREETIPAL

Drawing title/Titre du dessin

STAIRS

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7	ISSUED FOR TENDER	2019.03.08
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4	ISSUED FOR 66% CD REVIEW	2016.05.04
3	ISSUED FOR 33% CD REVIEW	2016.02.19
2	DESIGN DEVELOPMENT	2016.01.27
1	ISSUED FOR PHASE ONE 66% REVIEW	2016.01.15
0	Schematic Design	2015.12.07

Revision/ Révision	Description/Description	Date/Date
Client/client		

Project title/Titre du projet
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VICTORIA, BC, CANADA

**NRC HERZBERG
ASTRONOMY AND ASTROPHYSICS
ATP INTEGRATION FACILITY**

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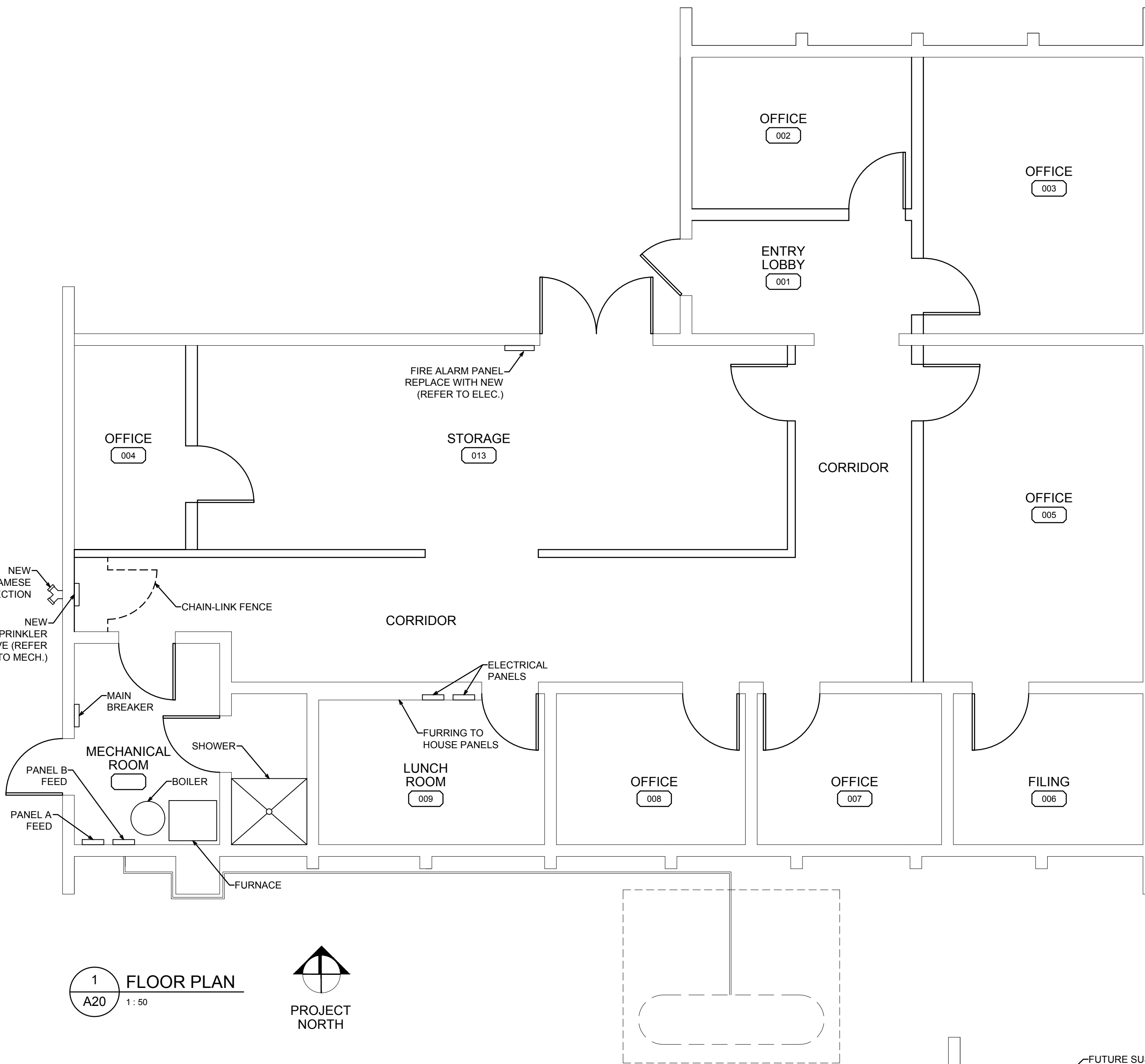
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EXISTING SITE SERVICES BUILDING

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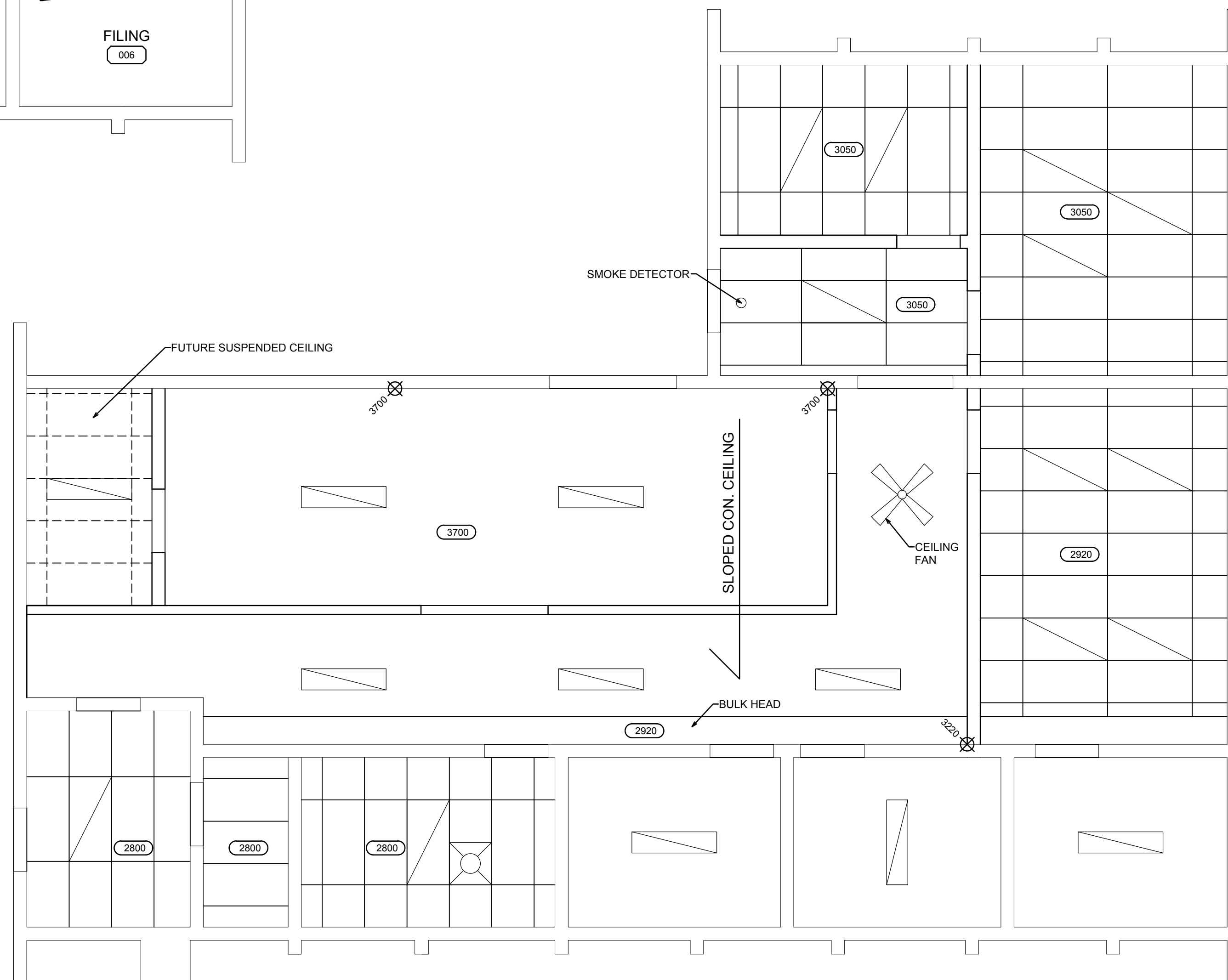
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CONSTRUCTION NOTES FOR SITE SERVICES BUILDING:

- Paint all new sprinkler pipes that are installed under exposed concrete ceiling.
Paint all exposed ceiling after installation.
- All new sprinkler pipes to be install in ceiling space for rooms where there is t-bar ceiling.
Re and Re existing t-bar ceiling for installation.
Replace damaged ceiling tiles, if any, with new ceiling tiles after construction.
- Provide new openings in walls for sprinkler pipes as needed. Caulk all wall openings on both sides of walls after installation. Make good and re-paint wall around the openings for all exposed pipe locations.
- Provide new opening at the footing wall for installation of sprinkler main.
- Provide slab opening for sprinkler main. Make good slab after installation.
- Provide new opening for siamese connection at the outside wall.
Provide non-shrink grout and caulk around pipes. Paint disturbed wall area.
- Provide new blocking for installation of new fire alarm panel. Re-paint wall and blocking after installation.





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PAUL PRETIPAL

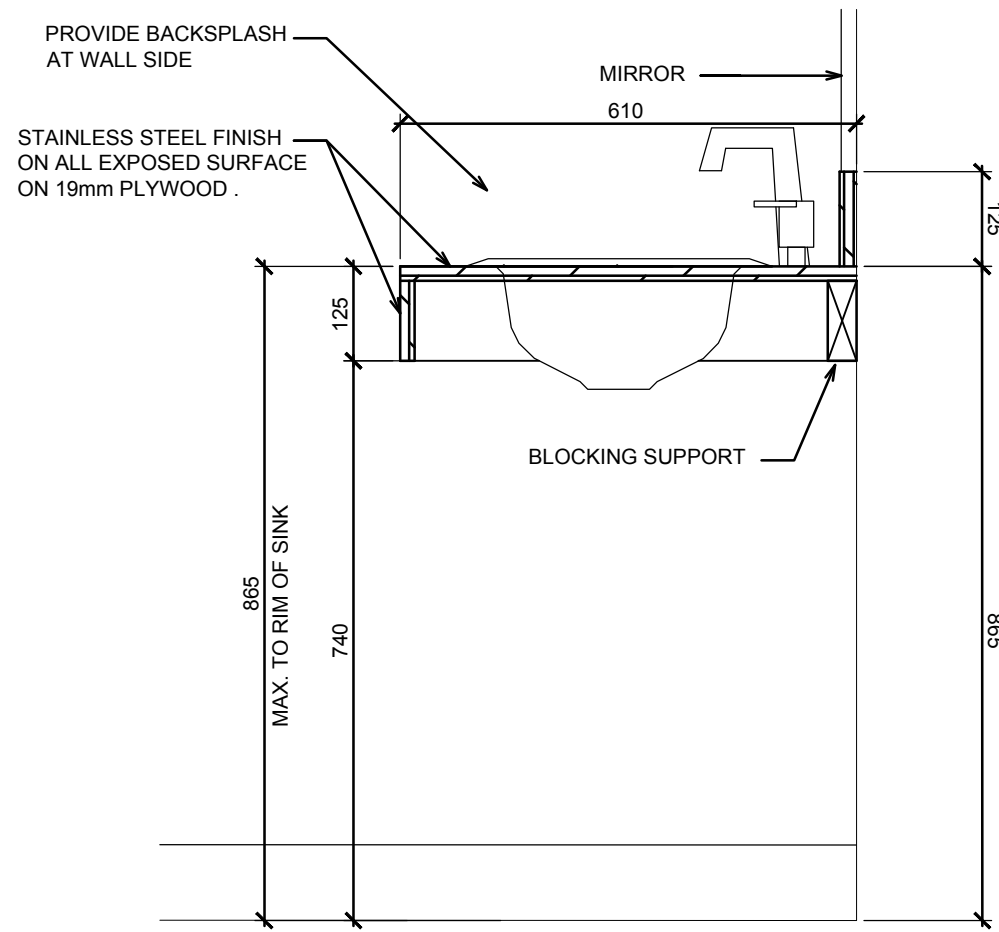
Drawing title/Titre du dessin

INTERIOR ELEVATION/
DOOR SCHEDULE

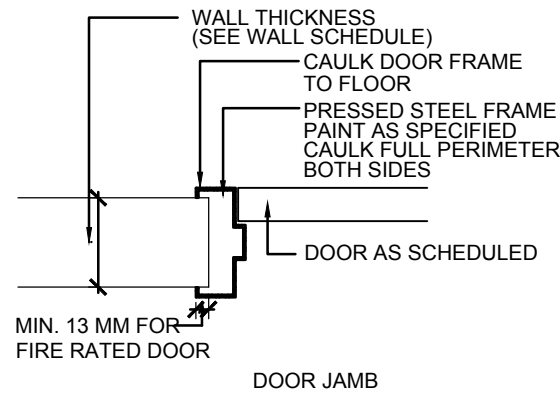
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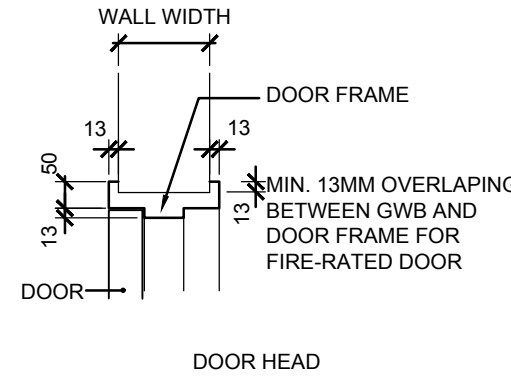
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La Révision
no.
7



9 TYPICAL VANITY DETAIL
A21 1:10



8 TYPICAL INTERIOR DOOR JAMB/HEAD
A21 1:50



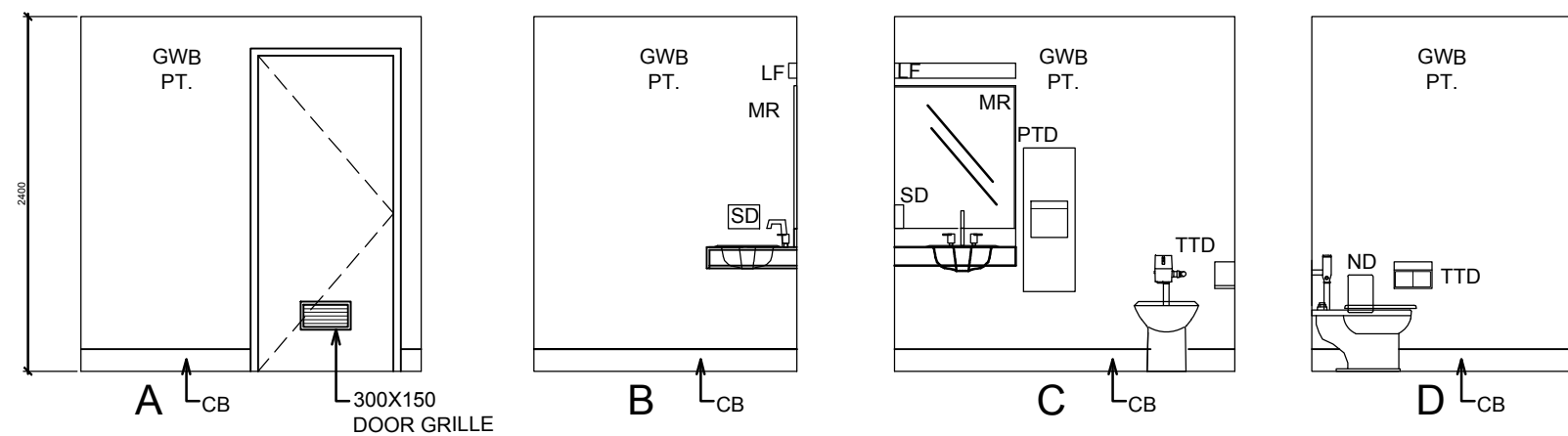
7 TYPICAL DOOR ELEVATION
A21 1:50

10.000
U/S OF DOOR OPENING

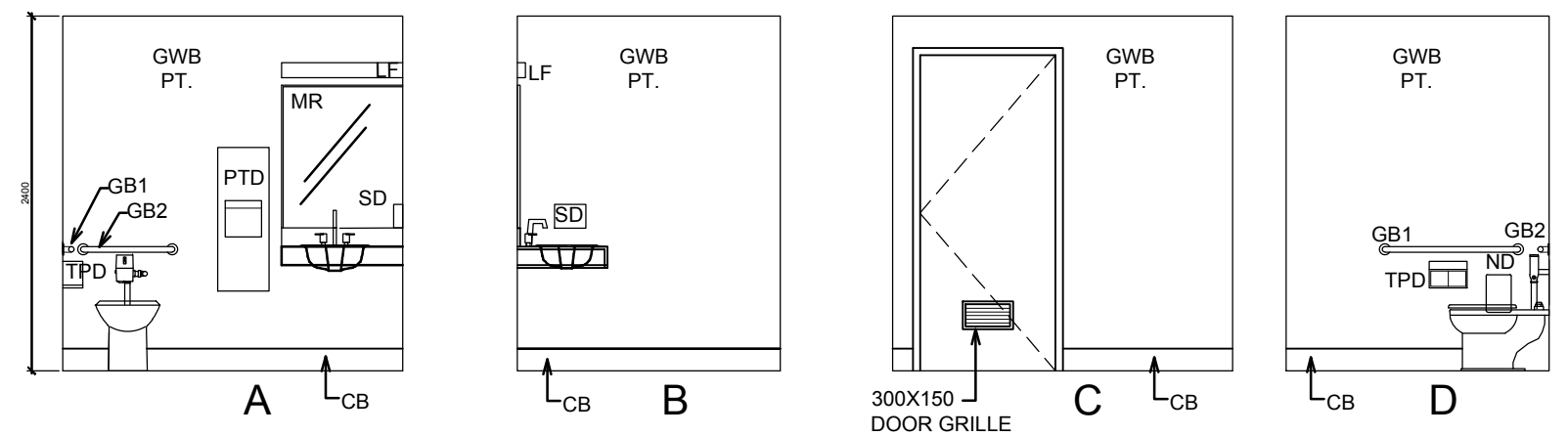
0.000
TOP OF SLAB

5 OVERHEAD DOOR INTERIOR ELEVATION
A21 1:50

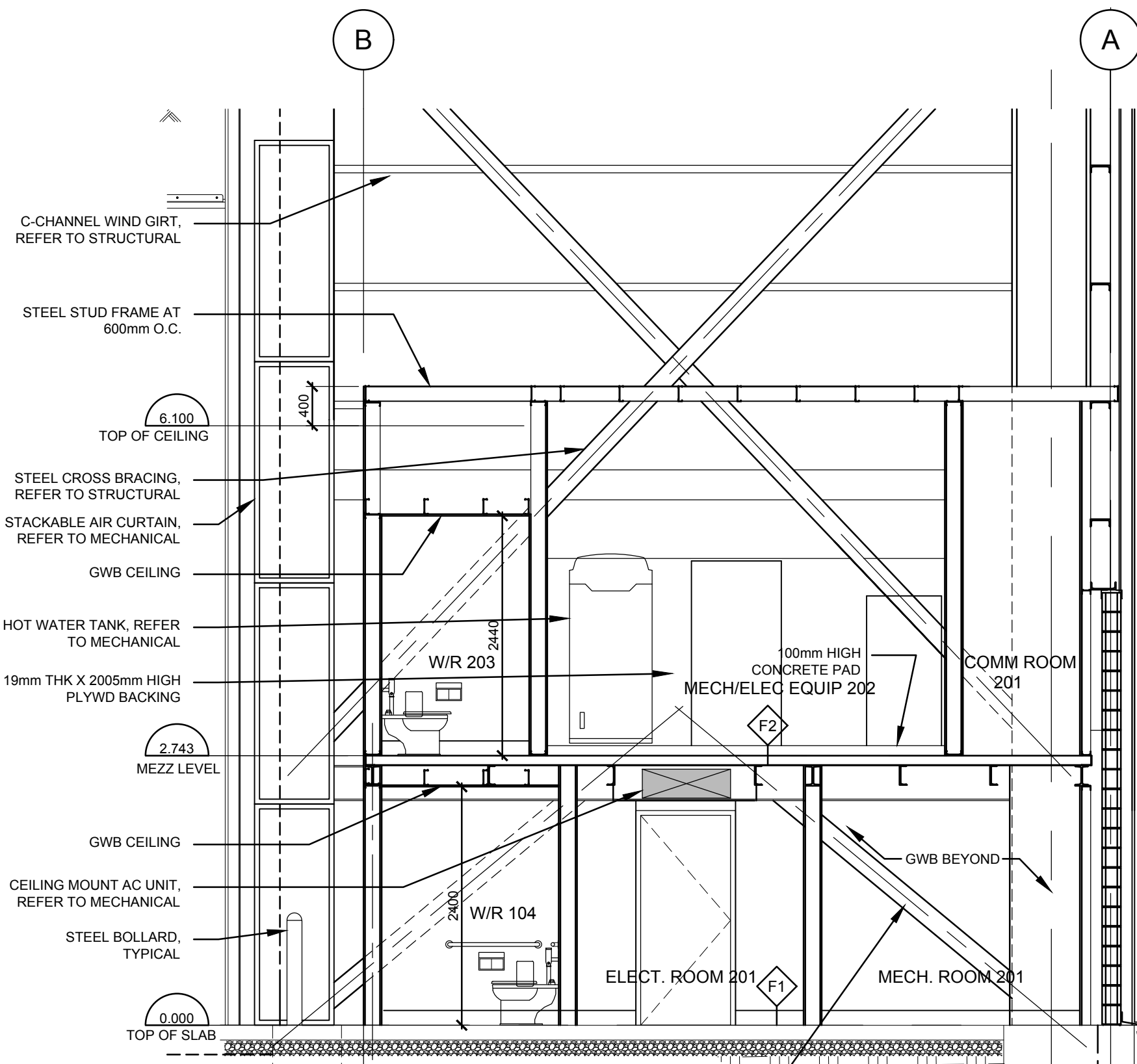
LEGEND:
CB CERAMIC BASE
GWB GYPSUM WALL BOARD
GB GRAB BAR
LF LIGHT FIXTURE
MR MIRROR
ND NAPKIN DISPENSER
PT. PAINTED
PTD PAPER TOWEL DISPENSER
SD SOAP DISPENSER
TTP TOILET PAPER DISPENSER



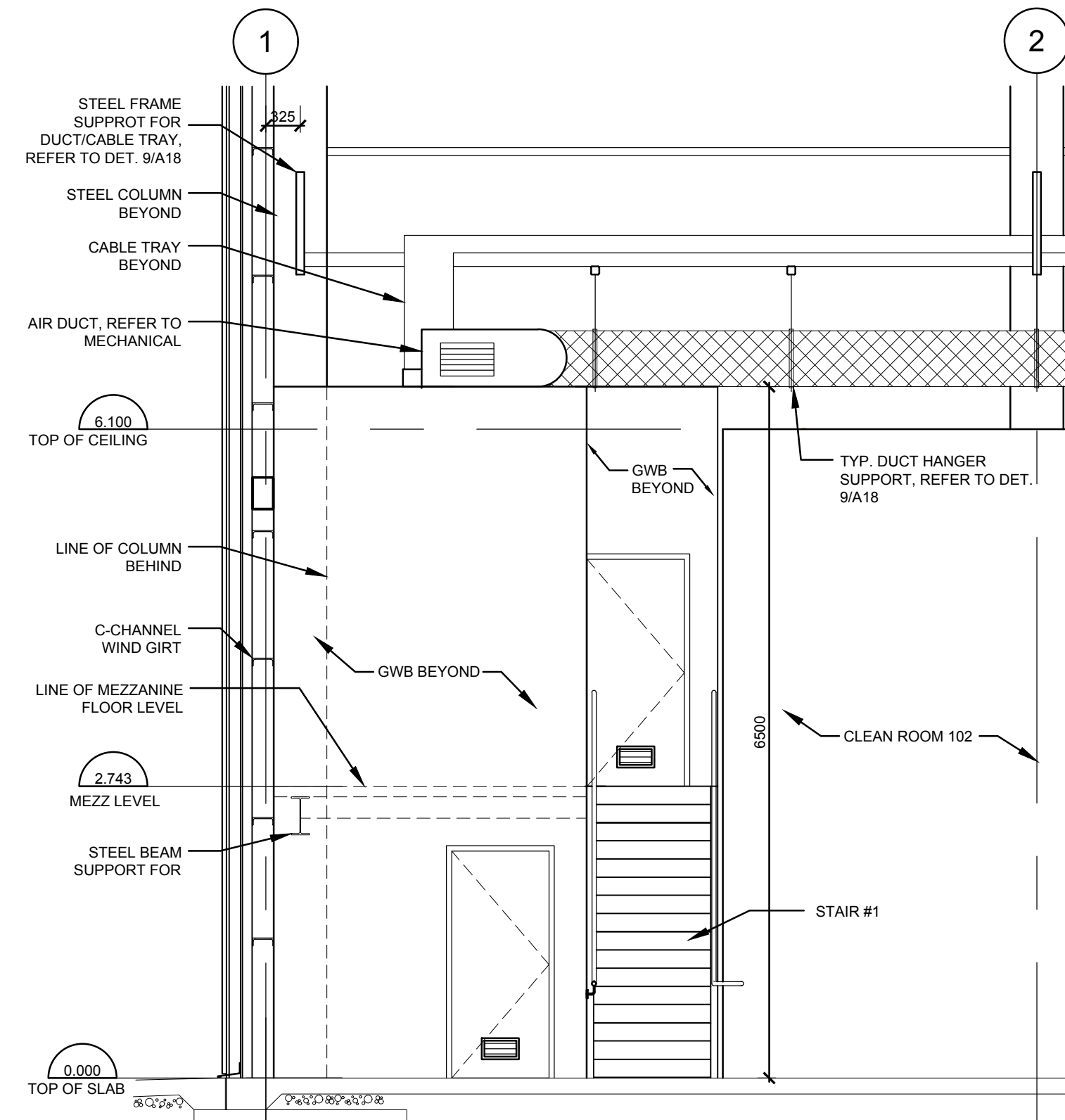
4 UNISEX W/C INTERIOR ELEVATION
A21 1:50



3 UNIVERSAL W/C INTERIOR ELEVATION
A21 1:50



2 SECTION / INTERIOR ELEVATION
A21 1:50
REF. DWG. 2/A07



1 SECTION / INTERIOR ELEVATION
A21 1:50
REF. DWG. 2/A07



5		
4		
3	ISSUED FOR TENDER	2019.03.08
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PAUL PRETIPAL

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RENDERINGS

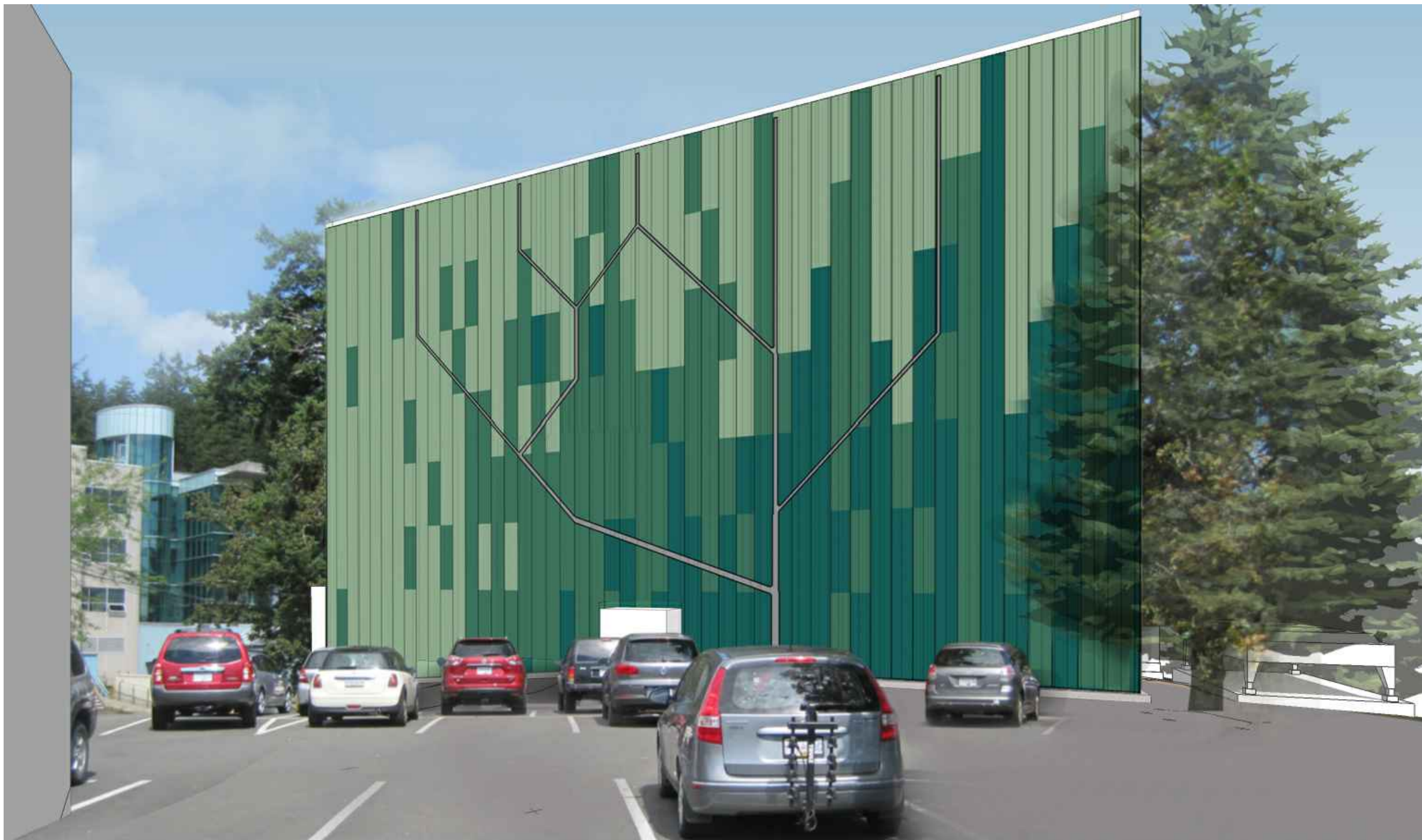
Project No./No. du projet R.077596.001	Sheet/ Feuille SA22 OF 22	Revision no./ La Révision no. 3
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1 VIEW FROM OBSERVATORY ROAD ROAD
A21 NTS



2 VIEW FROM NORTH EAST CORNER
A21 NTS



3 VIEW FROM EXISTING P.M.S. PARKING LOT
A21 NTS