

# NRC HERZBERG ASTRONOMY AND ASTROPHYSICS ATP INTEGRATION FACILITY PHASE 2

5071 West Saanich Road  
Victoria, British Columbia, Canada



SITE LOCATION PLAN



BIRD'S EYE VIEW OF SOUTHWEST CORNER



## 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

## DRAWING LIST: PHASE 2

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**5071 WEST SAANICH ROAD  
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ATP INTEGRATION FACILITY**

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Drawing title/Titre du dessin

**COVER SHEET**

Project No./No. du projet <b>R.077596.001</b>	Sheet/Feuille <b>WA 01</b> OF 22	Revision no./ La Révision no. <b>3</b>
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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

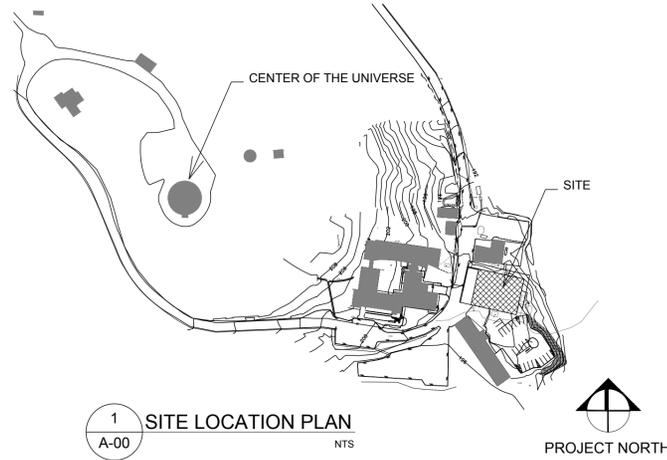
**BUILDING CODE ANALYSIS**

CODE REFERENCE: NBC 2015  
 MAJOR OCCUPANCY: GROUP F2 (MEDIUM HAZARD INDUSTRIAL OCCUPANCY)  
 CONSTRUCTION REQUIREMENT: 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 BASED ON TABLE 3.7.1  
 REGULAR USE: 2 TO 12  
 MAXIMUM INCLUDING VISITORS: 20  
 PLUMBING FIXTURE CALCULATION REQUIRED: 1 MALE + 1 FEMALE  
 PROVIDED: 1 UNIVERSAL TOILET ROOM + 1 UNIVERSAL UNISEX WASHROOM  
 ACCESSIBILITY: ACCESSIBLE ENTRANCE IS PROVIDED AT THE WEST ENTRANCE. UNIVERSAL TOILET ROOM IS PROVIDED.

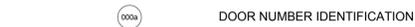
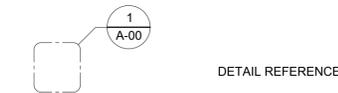
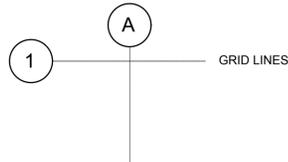
SPATIAL SEPARATION OWING TO THE CLOSE PROXIMITY OF THE ADJACENT SITE SERVICES BUILDING AND THE NEW INTEGRATION FACILITY, A 2HR EXTERIOR WALL OF NON-COMBUSTIBLE CONSTRUCTION AND CLADDING IS REQUIRED ON THE NORTH WALL OF THE NEW BUILDING, MATCHING THE LENGTH OF THE ADJACENT BUILDING. SPRINKLER IS REQUIRED 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**



**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.

**EXTERIOR 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 (R-22) - 15.9mm EXTERIOR GRADE WATER-RESISTANT GWB - 87 mm (3 PLY) CLT WALL PANEL (CLT GRADE V2.1)
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 - 105 mm (3 PLY) CLT WALL PANEL
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) - 190 CMU WALL - 87 mm (3 PLY) CLT WALL PANEL (CLT GRADE V2.1)
EW3		TYP. BELOW GRADE WALL - 12 THK CEMENT BOARD (DOWN 400mm BELOW GRADE) - GAP - DRAINAGE MAT - VERT. Z-GIRT FOR CEMENT BOARD - 50 MM THK RIGID INSULATION - SBS TORCH-ON WATERPROOFING MEMBRANE - CONCRETE WALL BELOW GRADE USE CEMENT BOARD

**INTERIOR WALL TYPE SCHEDULE**

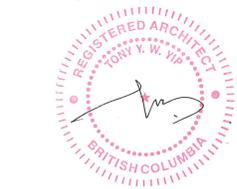
W1		TYP. 92mm STUD WALL - 15.9mm THK GWB - 92 STL STUD @ 400 O.C. FILLED WITH ACOUSTIC BATT INSULATION - 15.9mm THK GWB
W2		TYP. PLUMBING WALL - 15.9mm THK GWB - 152mm STL STUD @ 400 O.C. FILLED WITH ACOUSTIC BATT INSULATION - 15.9mm THK GWB
W3		TYP. DOUBLE STUD WALL - 15.9mm THK GWB - 92mm STL STUD @ 400 O.C - 60 GAP - 92 mm STL STUD @ 400 O.C. - 15.9mm THK GWB
W4		TYPICAL FURRING WALL - 15.9mm THK GWB - 92mm STL STUD @ 400 O.C

**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 - CLT PANEL 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 - 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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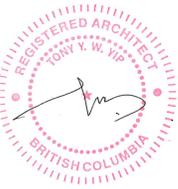
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**EXISTING SITE PLAN**

**1 EXISTING SITE PLAN**  
A03 1:200 REF. DWG.

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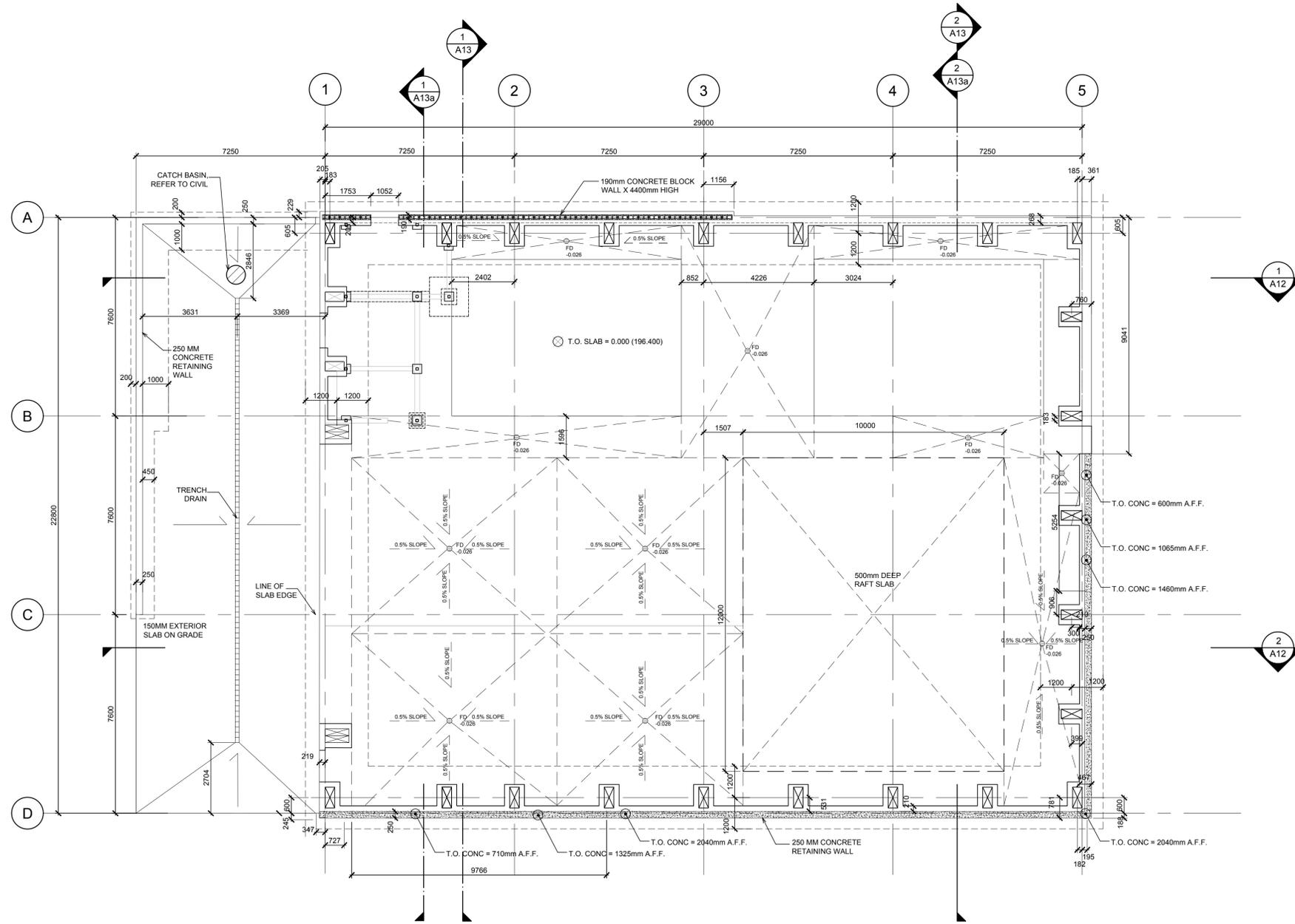
Drawing title/Titre du dessin

**NEW SITE PLAN**

**1**  
**A04** 1:200 REF. DWG.

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<b>R.077596.001</b>	<b>WA04</b>	<b>2</b>





1 SLAB EDGE PLAN  
A05 1:100



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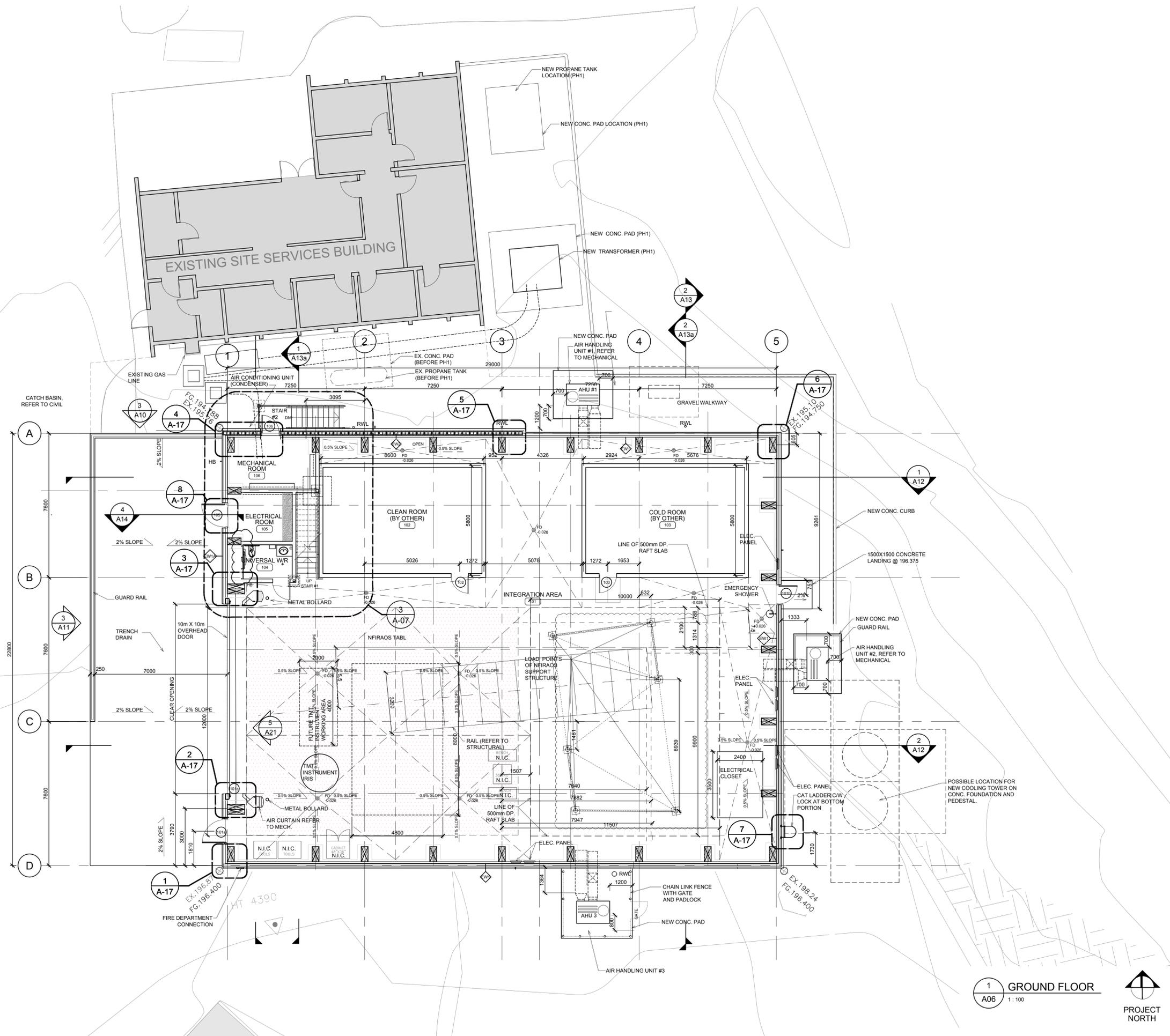
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**GROUND FLOOR SLAB EDGE PLAN**

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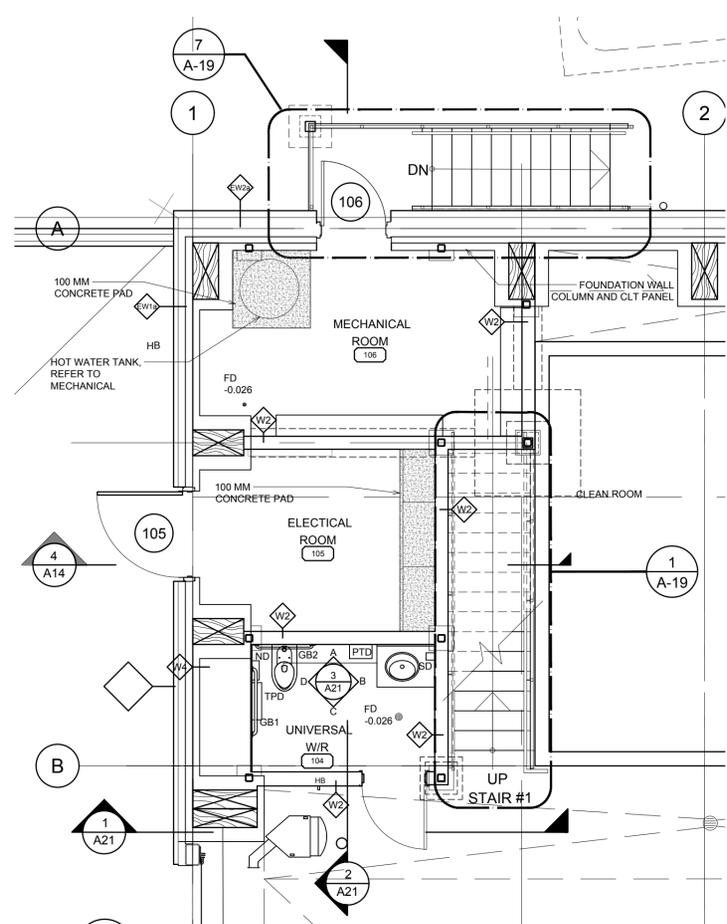
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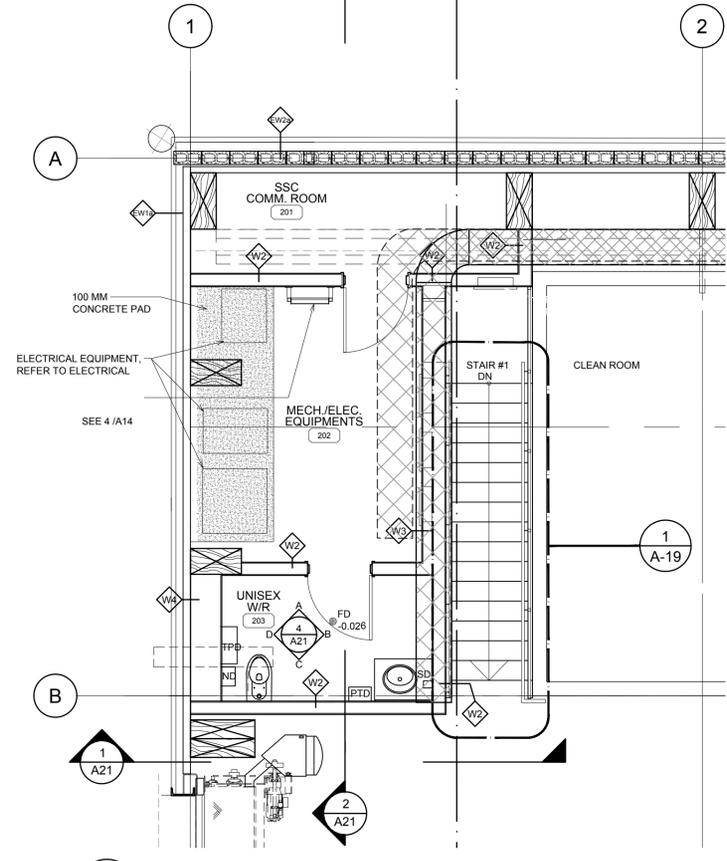
**GROUND FLOOR PLAN**

1 GROUND FLOOR  
 A06 1:100

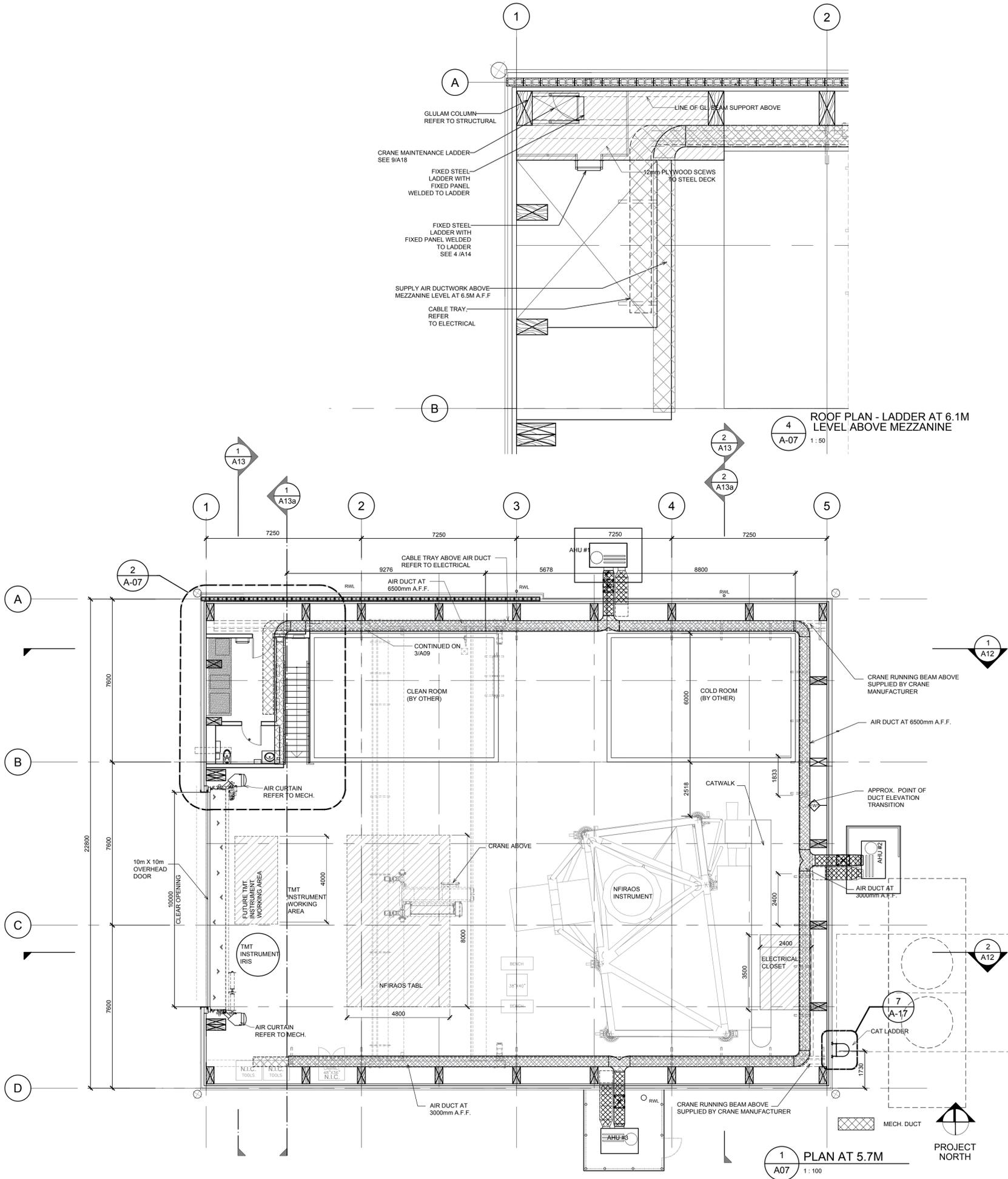




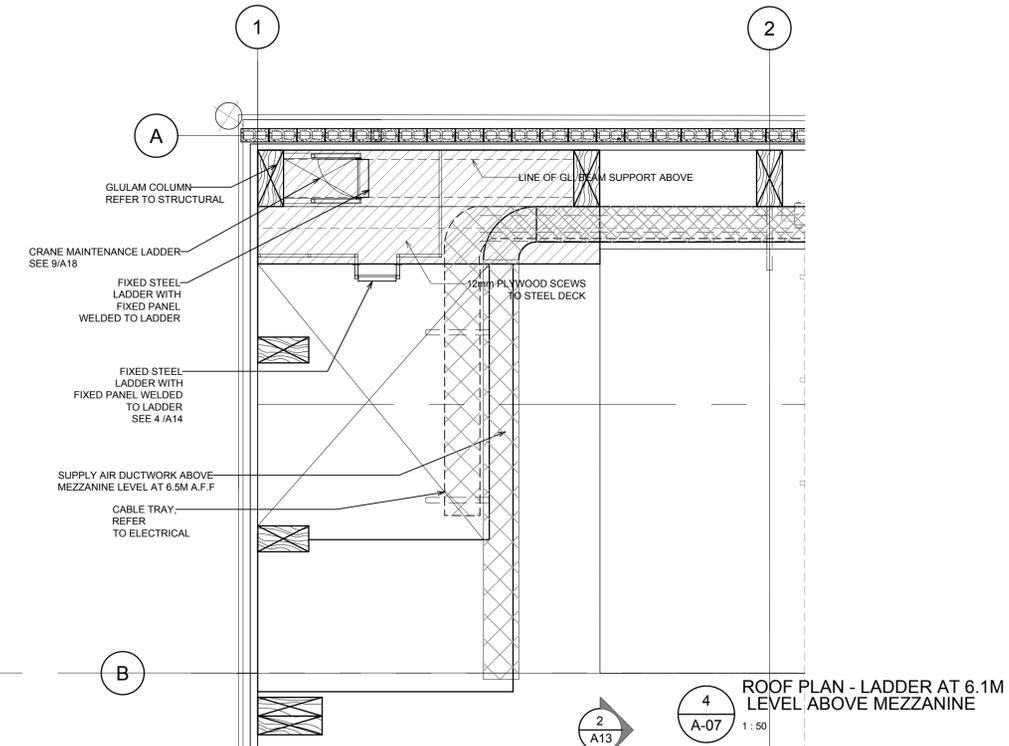
3 PARTIAL PLAN GROUND FLOOR A07 1:50



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



1 PLAN AT 5.7M A07 1:100



ROOF PLAN - LADDER AT 6.1M LEVEL ABOVE MEZZANINE 1:50



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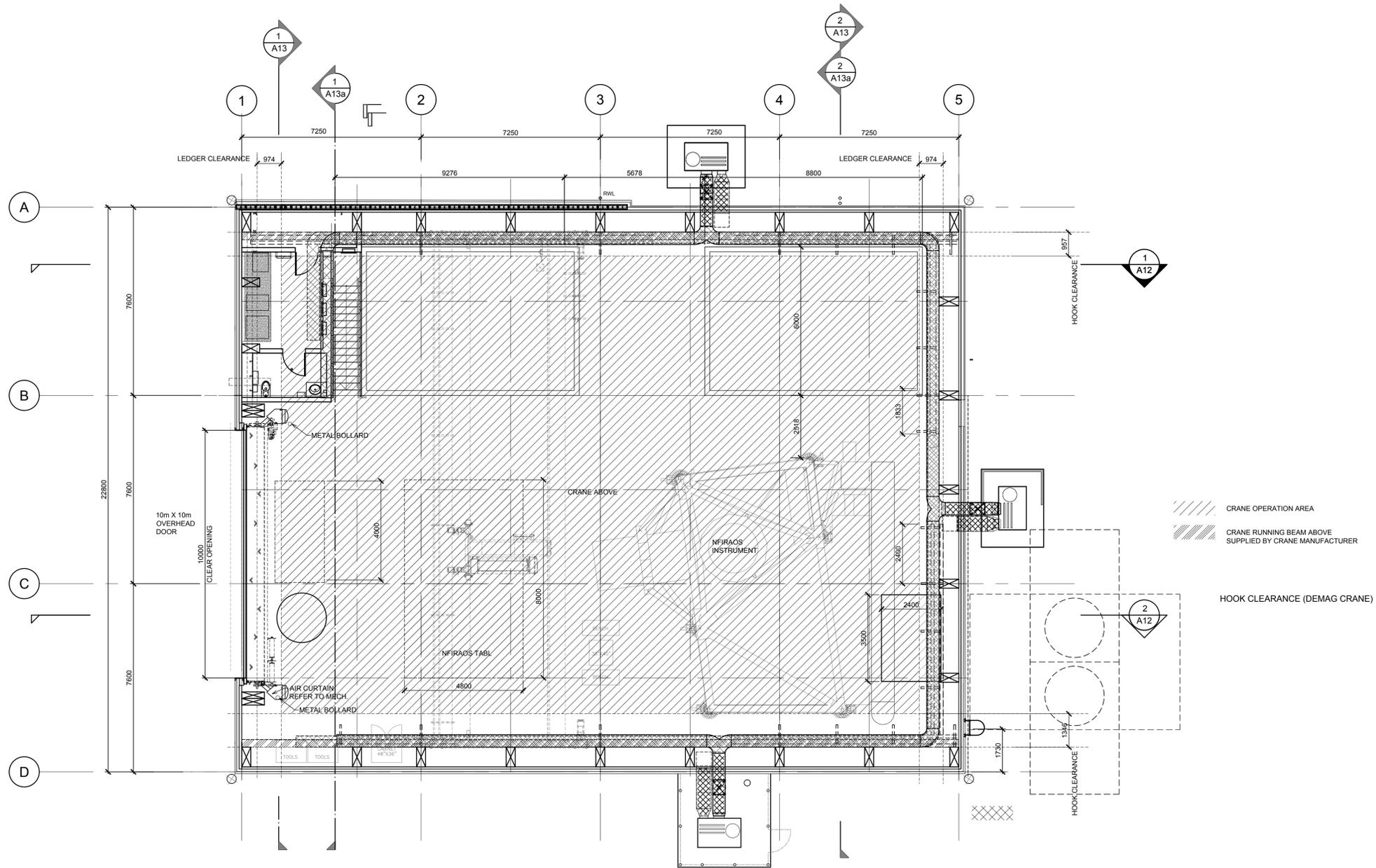
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**PLAN AT 5.7M**

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1 CRANE OPERATION AREA  
A07 1:100



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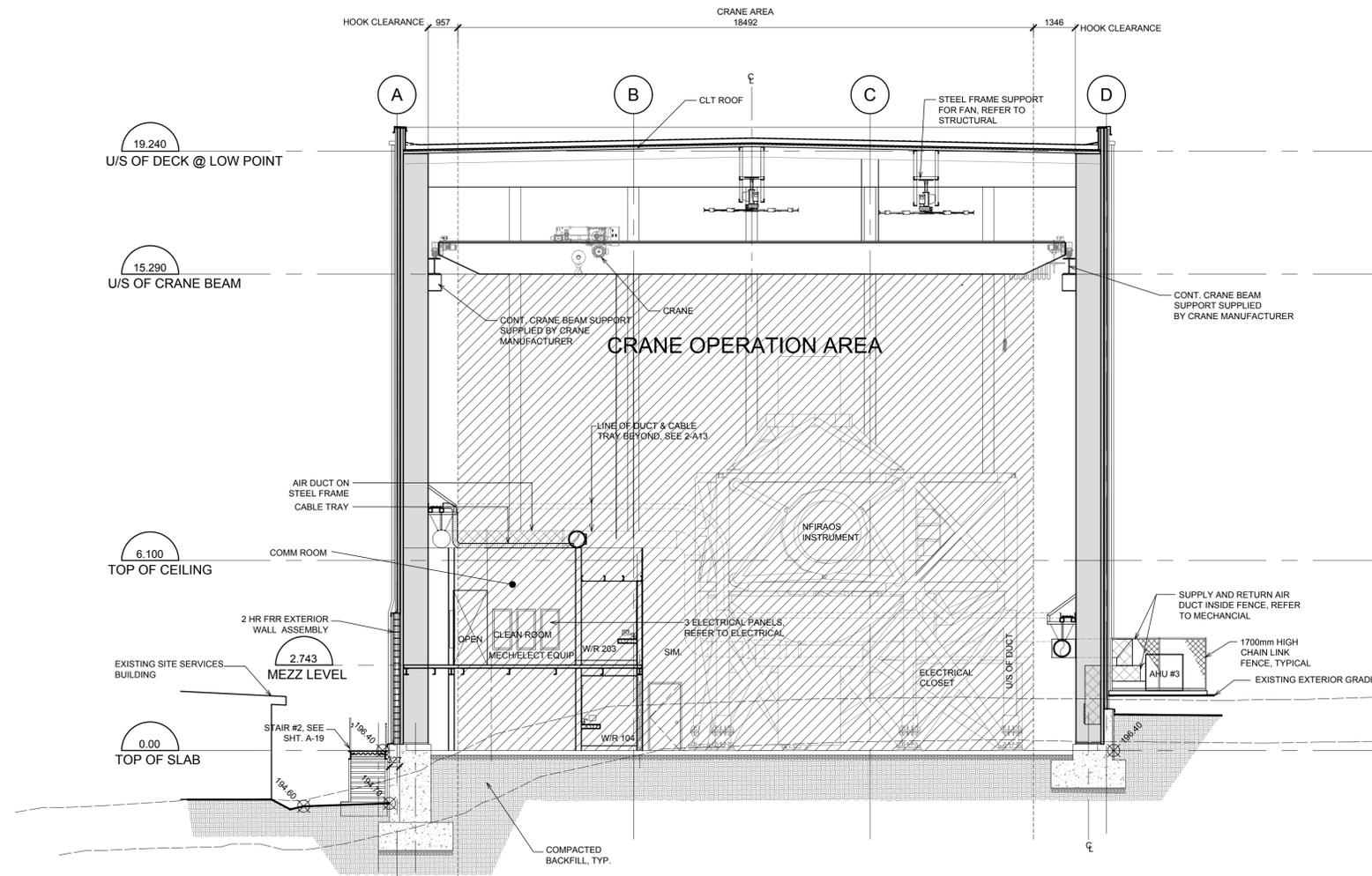
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**CRANE TOLERANCES,  
PLAN**

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1  
A07b  
CRANE TOLERANCES  
EAST SECTION  
1:100



PROJECT NORTH



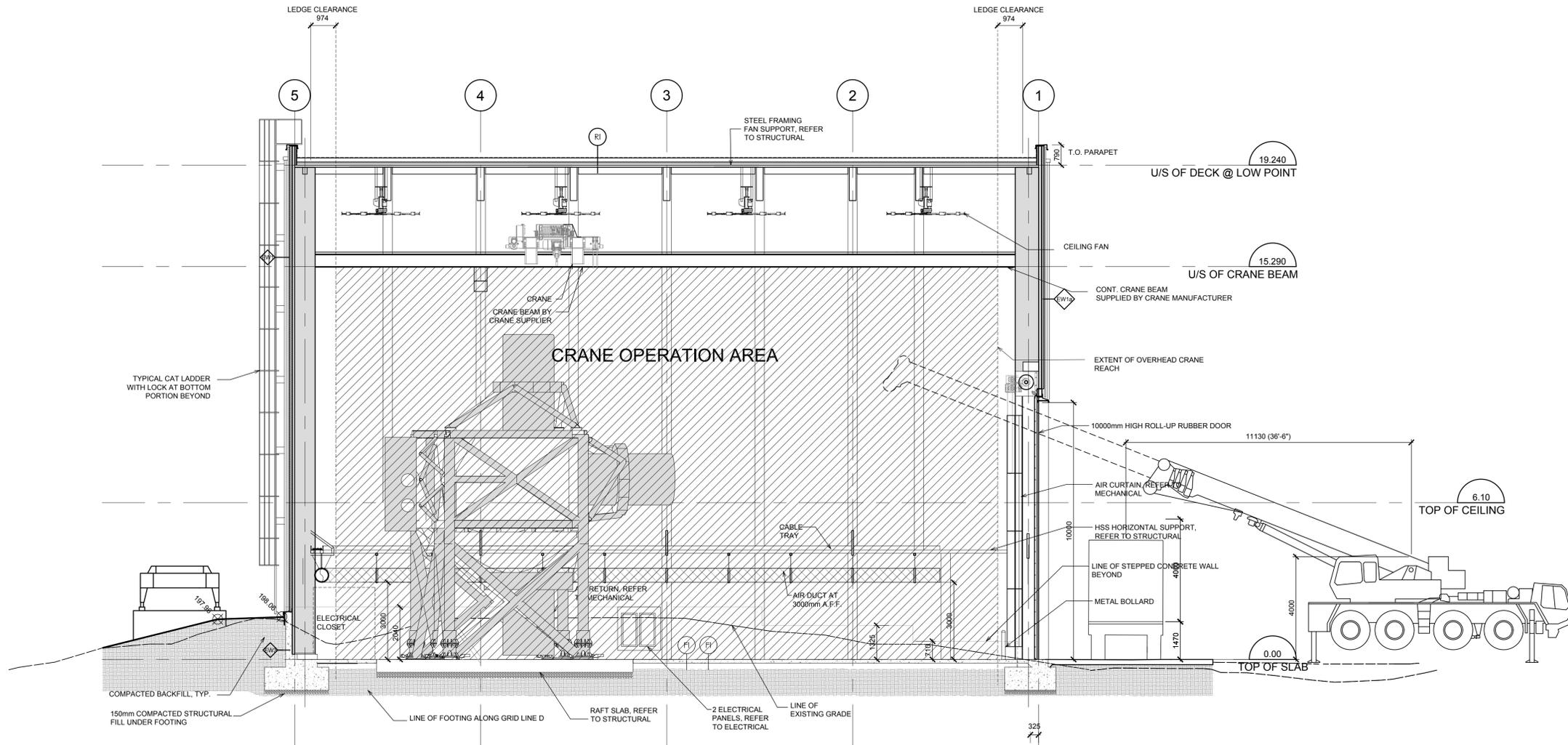
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**CRANE TOLERANCES,  
 EAST SECTION**

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**1** CRANE TOLERANCES SOUTH SECTION  
A-07c 1:100



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Gestionnaire régionale, Services d'architecture et de génie, TPSSC  
**PAUL PREETIPAL**

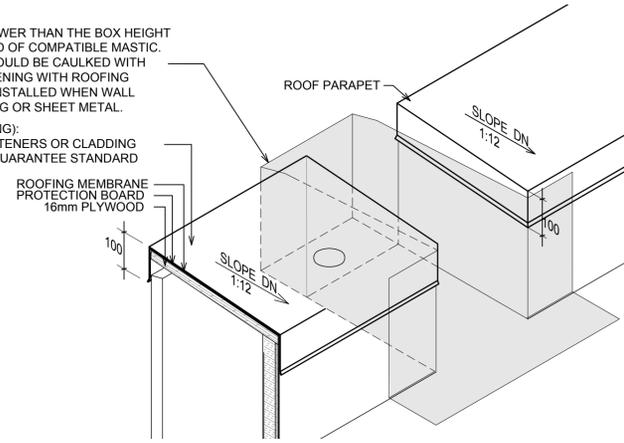
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**CRANE TOLERANCES,  
BUILDING SECTIONS**

**SOUTH SECTIONS**

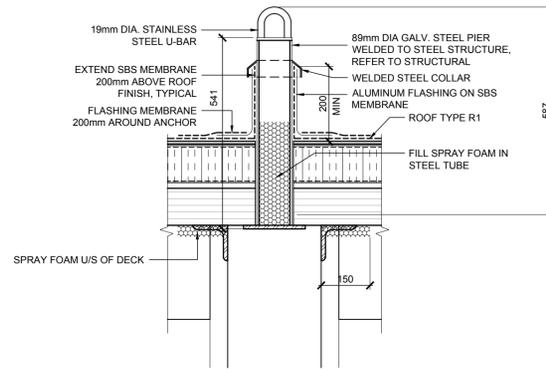
Project No./No. du projet <b>R.077596.001</b>	Sheet/Feuille <b>WA07c</b>	Revision no./ La Révision no. <b>3</b>
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**METAL SCUPPER WITH HOPPER (TYP):**  
 THE OUTSIDE FACE OF SCUPPER TO BE 37.7MM (1½") LOWER THAN THE BOX HEIGHT WITH A 12.7MM (½") DRIP EDGE. INSTALLED IN A THIN BED OF COMPATIBLE MASTIC. INTERFACE BETWEEN OUTSIDE WALL AND SCUPPER SHOULD BE CAULKED WITH APPROPRIATE SEALANT. WATERPROOF THE ENTIRE OPENING WITH ROOFING MEMBRANE PRIOR TO INSTALLING THE SCUPPER BOX. INSTALLED WHEN WALL FINISH IS COMPLETE PRIOR TO COMPLETION OF ROOFING OR SHEET METAL.

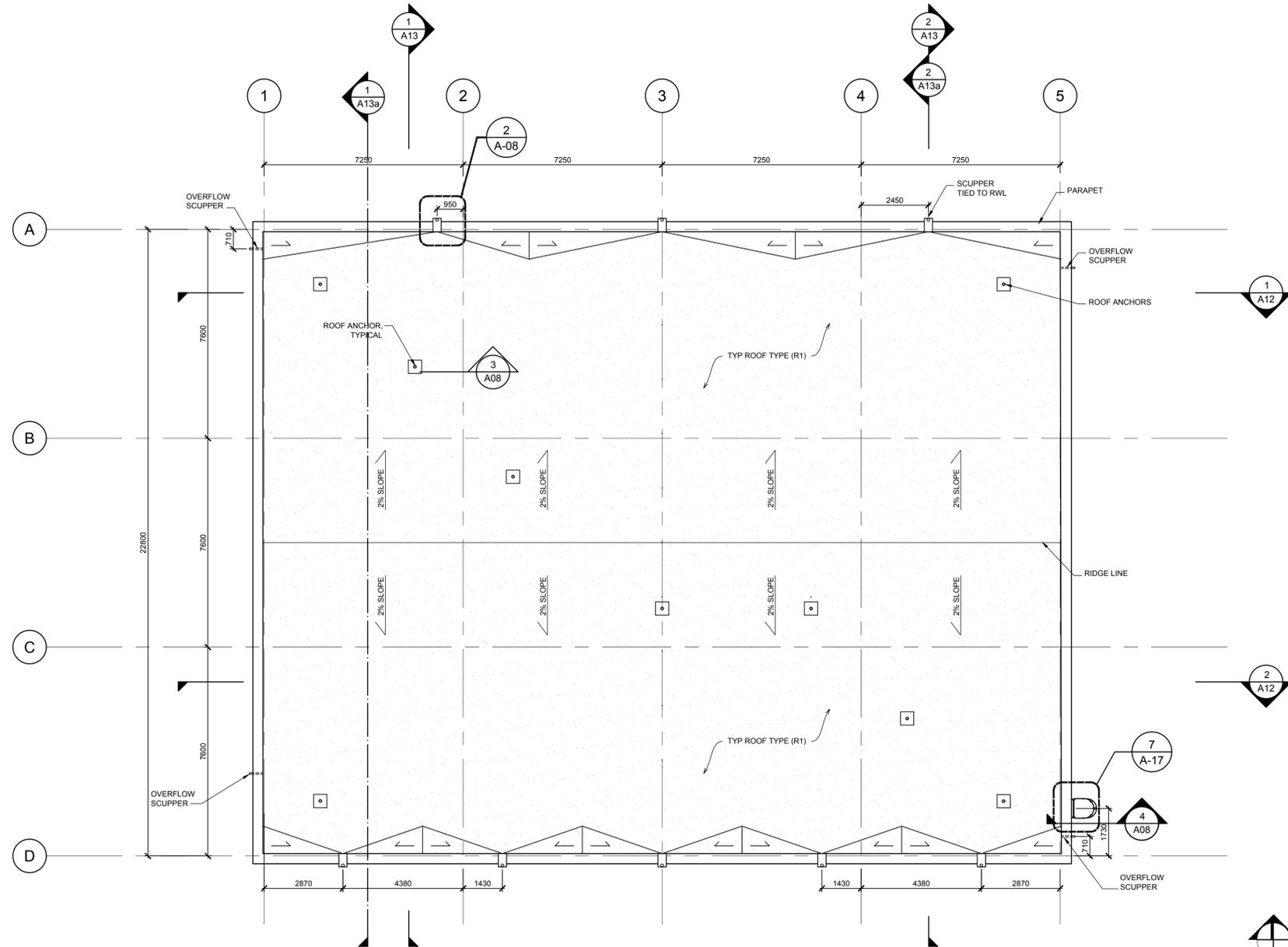
**METAL FLASHING (COLOR TO MATCH EXTERIOR CLADDING):**  
 FASTEN WITH CONTINUOUS CONCEALED CLIP-TYPE FASTENERS OR CLADDING SCREWS EVENLY SPACED BETWEEN SEAMS. SEE RGC GUARANTEE STANDARD A6.10 FOR REQUIREMENTS. FLASHING 8 AND 9 MAY BE ONE PIECE.



**2**  
**A08**  
 TYPICAL SCUPPER DRAIN INSTALLATION DETAIL  
 1:10



**3**  
**A08**  
 TYPICAL ROOF ANCHOR DETAIL  
 1:10



**1**  
**A08**  
 ROOF PLAN  
 1:100



Revision/Revision	Description/Description	Date/Date
2	ISSUED FOR TENDER	2019.03.08
1	ISSUED FOR 100% CD REVIEW	2018.03.14

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.

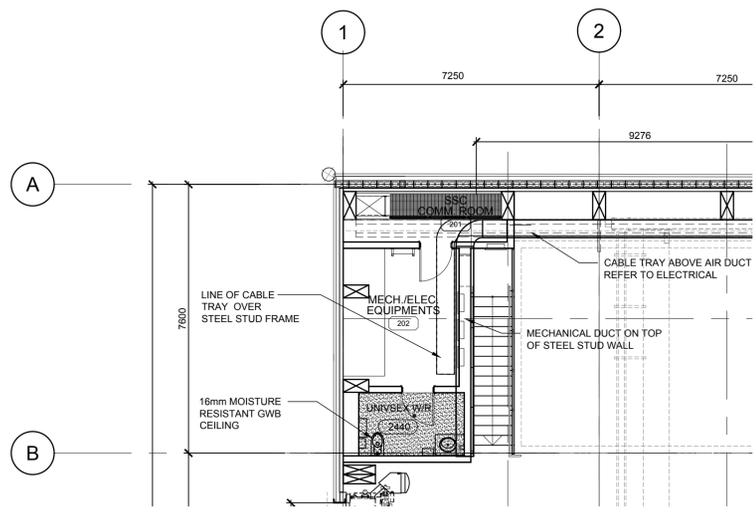
Drawn by/Dessiné par  
 S.K.

PWGSC Project Manager/Administrateur de Projets TPSCG  
**PATRICK TRUONG**

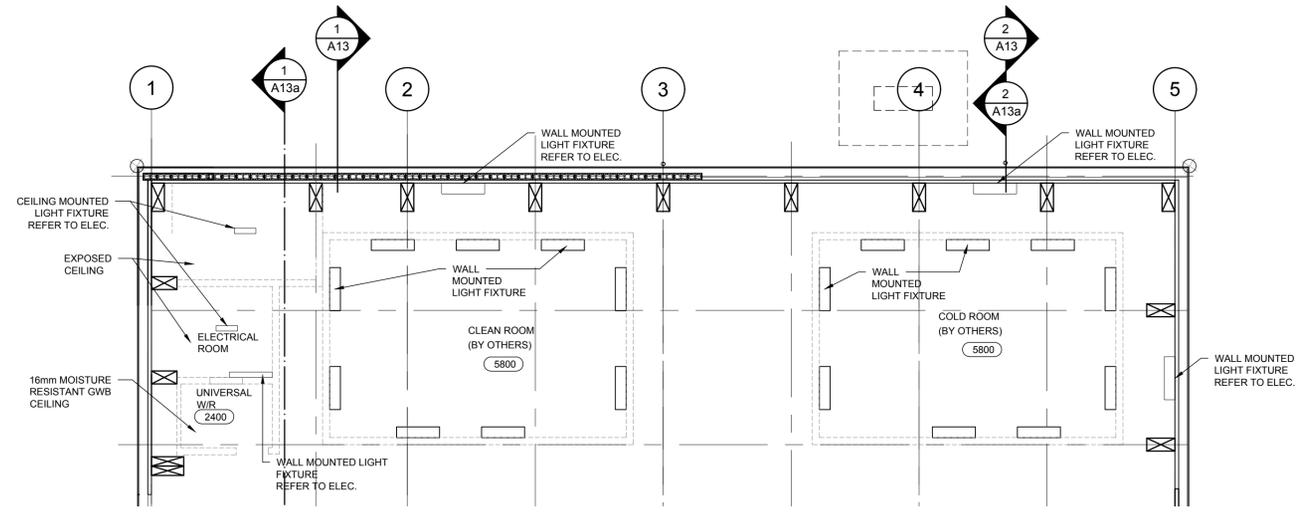
Regional Manager, Architectural and Engineering Services  
 Gestionnaire régionale, Services d'architecture et de génie, TPSCG  
**PAUL PREETIPAL**

**ROOF PLAN**

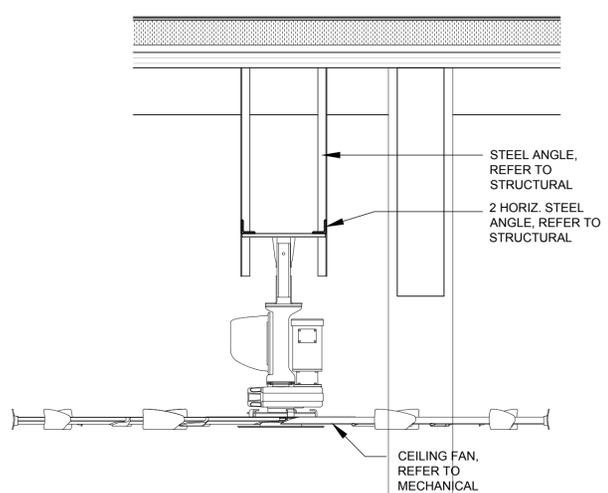
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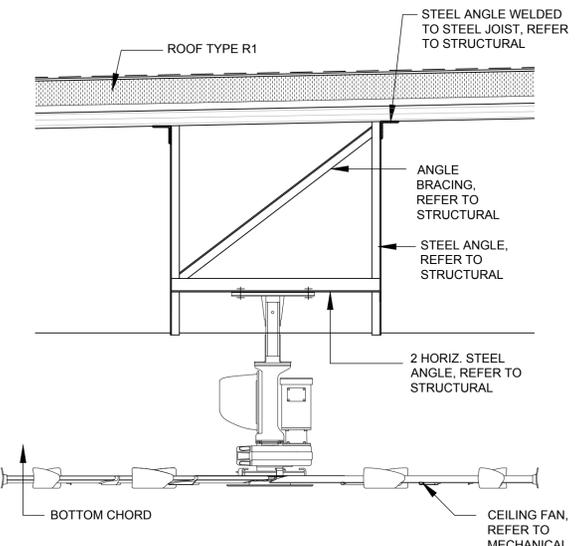
**3 MEZZANINE LEVEL REFLECTED CEILING PLAN**  
A09 1:100



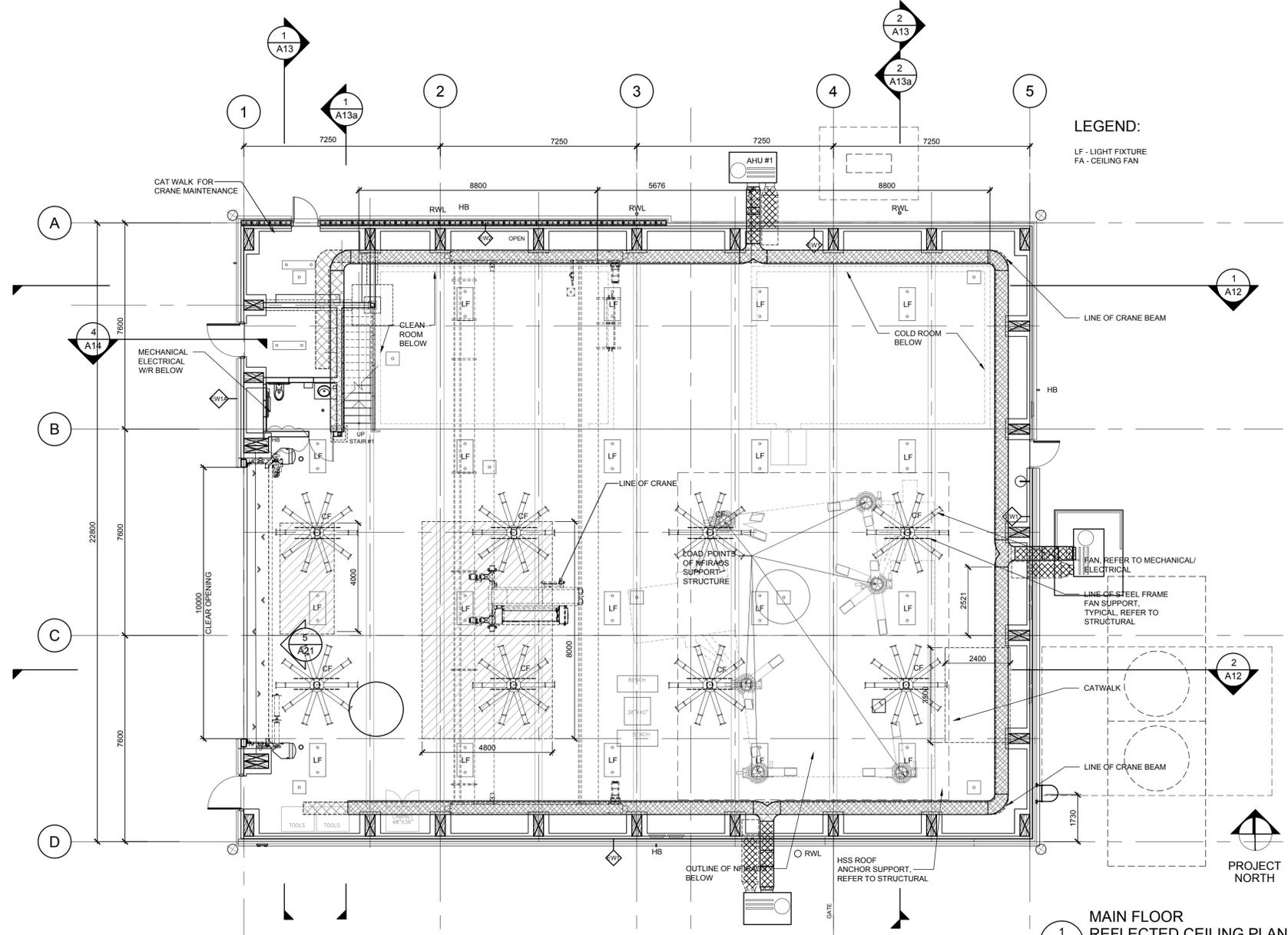
**2 PARTIAL REFLECTED CEILING PLAN (MAIN FLOOR @2500)**  
A09 1:100



**5 SECTION - CEILING FAN SUPPORT**  
A09 1:100

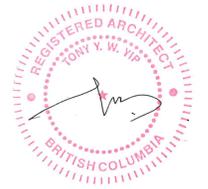


**4 SECTION - CEILING FAN SUPPORT**  
A09 1:100



**1 MAIN FLOOR REFLECTED CEILING PLAN**  
A09 1:100

**LEGEND:**  
LF - LIGHT FIXTURE  
FA - CEILING FAN



Revision/Revision	Description/Description	Date/Date
3	ISSUED FOR TENDER	2019.03.08
2	ISSUED FOR 100% CD REVIEW	2018.03.14
1	ISSUED FOR 90% CD REVIEW	2018.02.22

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

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

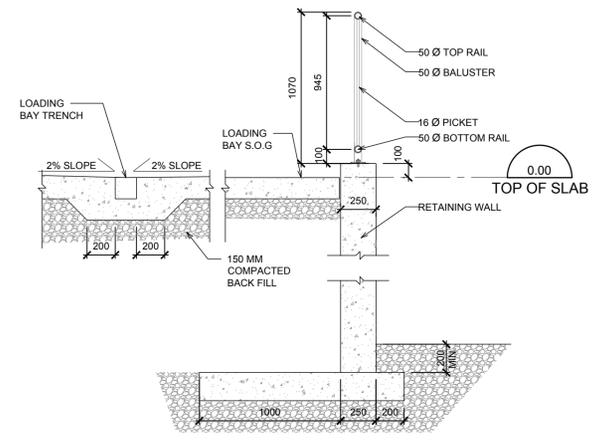
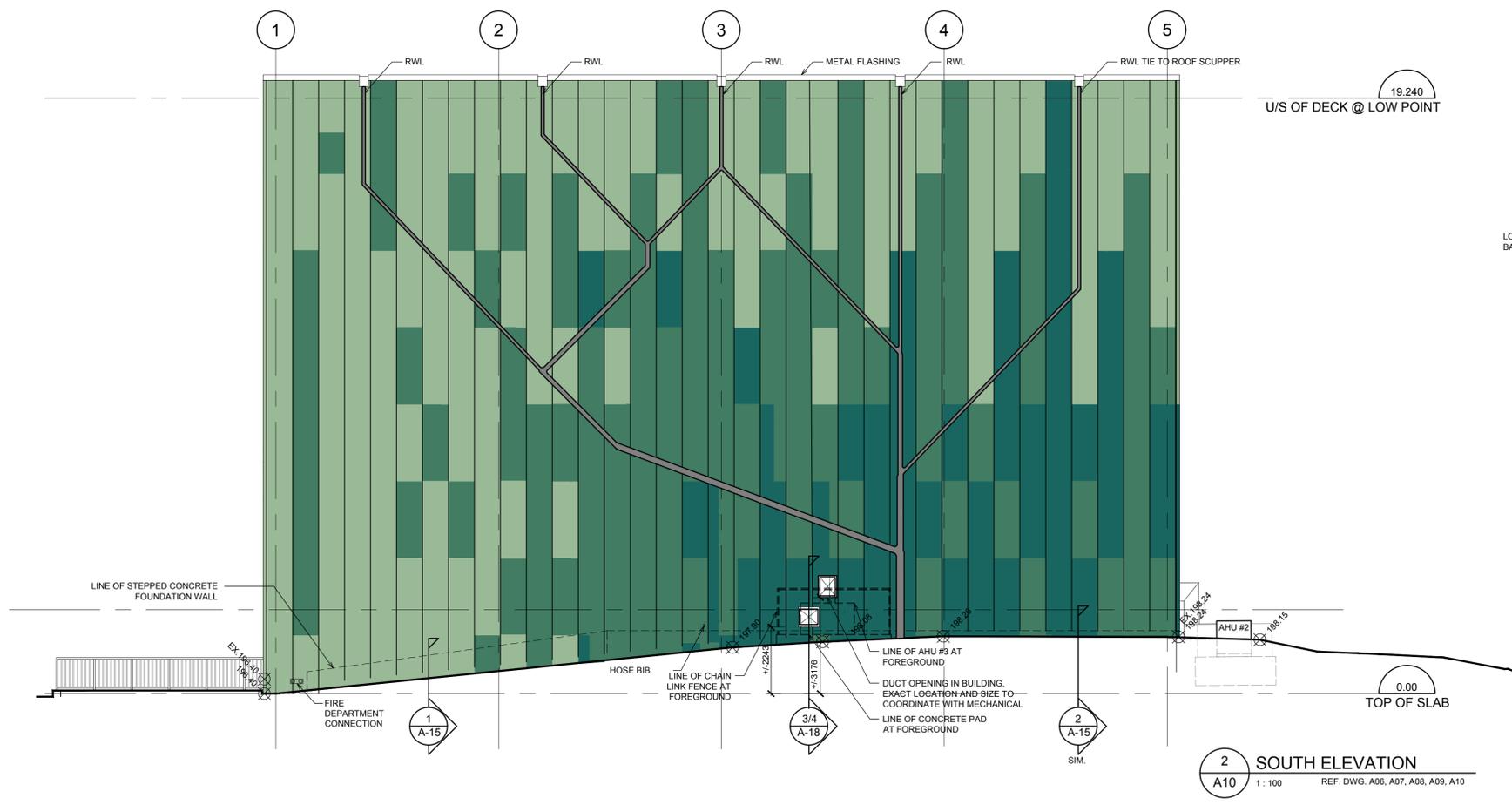
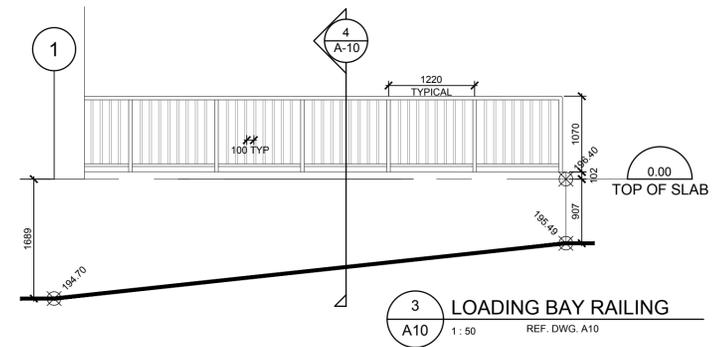
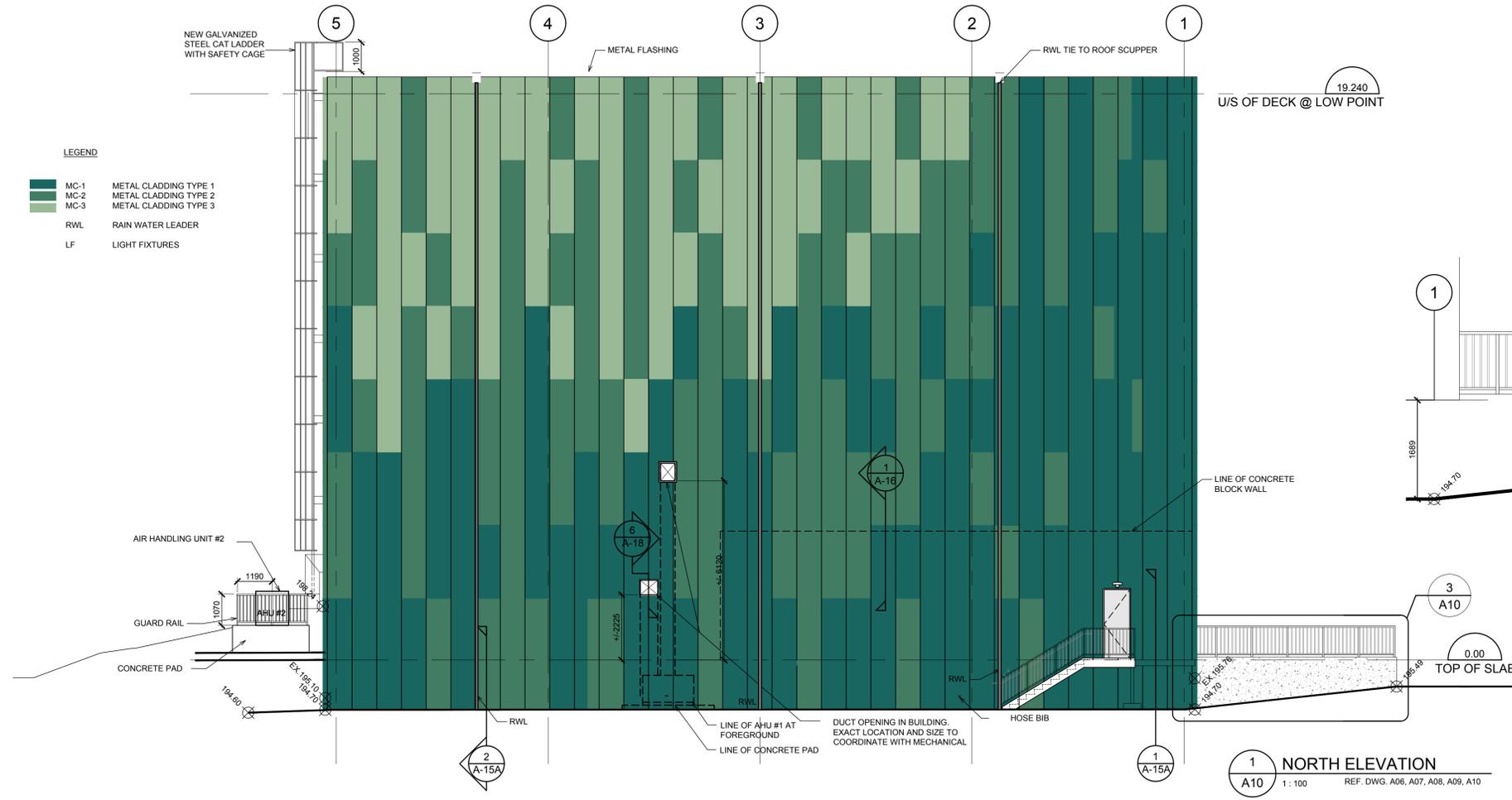
Consultant Signature Only  
Designed by/Concept par T.Y.  
Drawn by/Dessiné par S.K.  
PWGSC Project Manager/Administrateur de Projets TPSCG  
**PATRICK TRUONG**  
Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architecture et de génie, TPSCG  
**PAUL PREETIPAL**  
Drawing title/Titre du dessin

**REFLECTED CEILING PLAN**

Project No./No. du projet	Sheet/Feuille	Revision no./Lo Révision no.
R.077596.001	<b>WA09</b>	<b>3</b>
	OF 22	

**LEGEND**

- MC-1 METAL CLADDING TYPE 1
- MC-2 METAL CLADDING TYPE 2
- MC-3 METAL CLADDING TYPE 3
- RWL RAIN WATER LEADER
- LF LIGHT FIXTURES



Revision/Revision	Description/Description	Date/Date
3	ISSUED FOR TENDER	2019.03.08
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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.

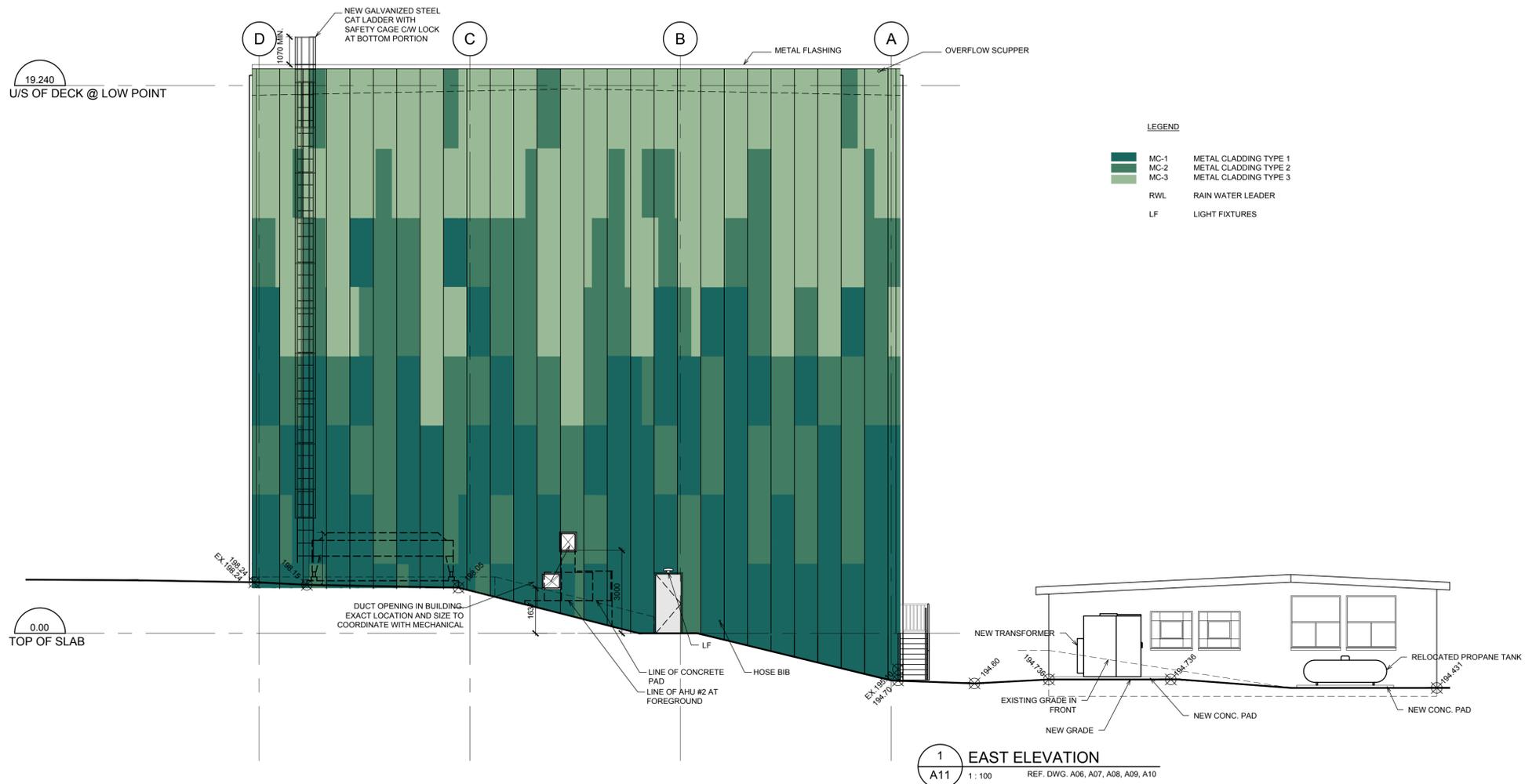
PWSC Project Manager/Administrateur de Projets TPSCG  
**PATRICK TRUONG**

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

Drawing title/Titre du dessin

**NORTH & SOUTH BUILDING ELEVATIONS**

Project No./No. du projet <b>R.077596.001</b>	Sheet/Feuille <b>WA10</b> OF 22	Revision no./Loi Révision no. <b>3</b>
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**1 EAST ELEVATION**  
A11 1:100 REF. DWG. A06, A07, A08, A09, A10



**2 WEST ELEVATION**  
A11 1:100 REF. DWG. A06, A07, A08, A09, A10

**3 RAILING DETAIL**  
A11 1:50 REF. DWG. A06, A07, A08, A09, A10

Revision/Revision	Description/Description	Date/Date
3	ISSUED FOR TENDER	2019.03.08
2	ISSUED FOR 100% CD REVIEW	2018.03.14
1	ISSUED FOR 90% CD REVIEW	2018.02.22

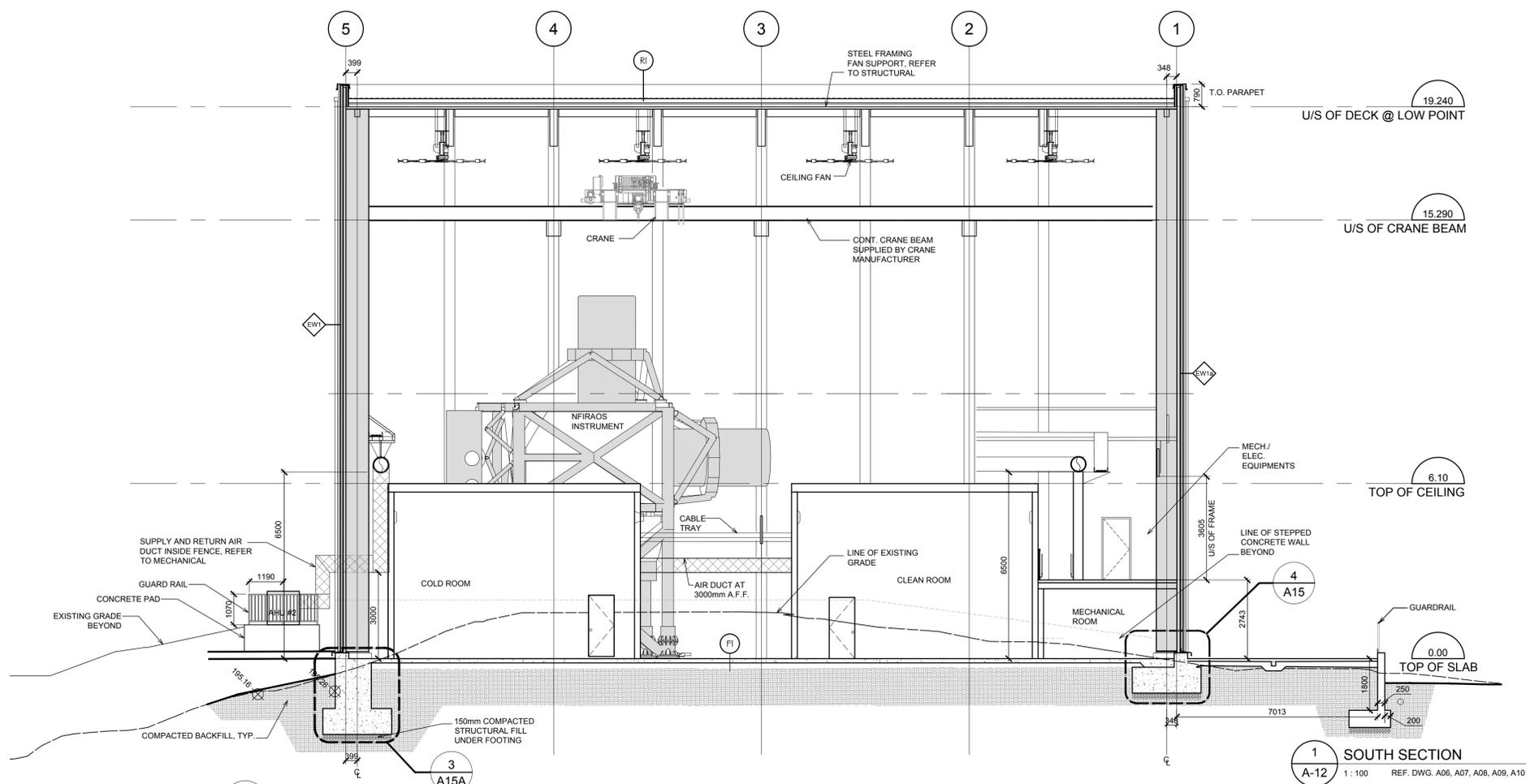
Project title/Titre du projet  
**5071 WEST SAANICH ROAD VICTORIA, BC, CANADA**

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

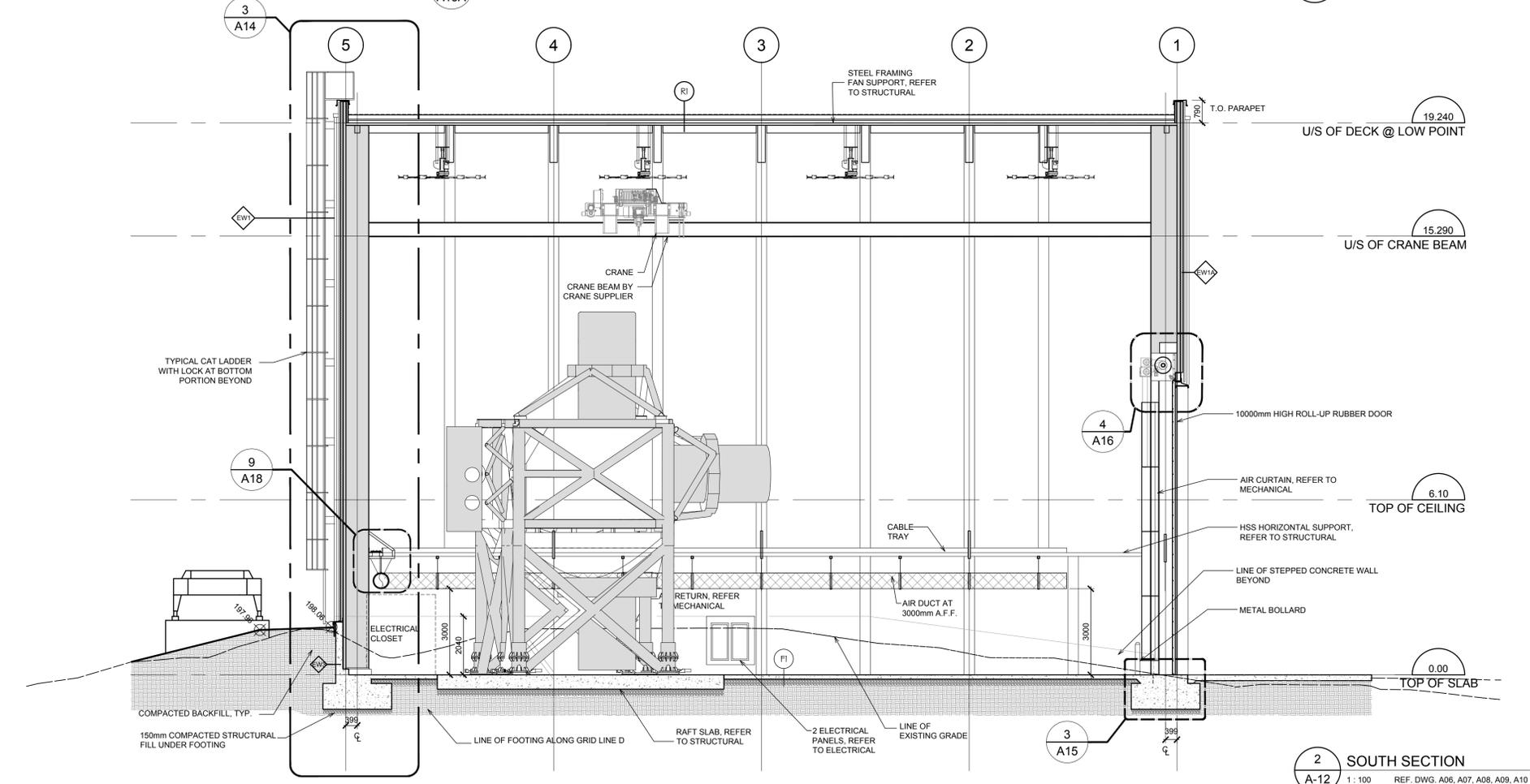
Consultant Signature Only  
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Drawn by/Dessiné par S.K.  
PWGSC Project Manager/Administrateur de Projets TPSSC PATRICK TRUONG  
Regional Manager, Architectural and Engineering Services Gestionnaire régionale, Services d'architecture et de génie, TPSSC PAUL PREETIPAL  
Drawing title/Titre du dessin

**EAST & WEST BUILDING ELEVATIONS**

Project No./No. du projet <b>R.077596.001</b>	Sheet/Feuille <b>WA11</b>	Revision no./Loi Révision no. <b>3</b>
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**1 SOUTH SECTION**  
A-12 1:100 REF. DWG. A06, A07, A08, A09, A10



**2 SOUTH SECTION**  
A-12 1:100 REF. DWG. A06, A07, A08, A09, A10



Revision/Revision	Description/Description	Date/Date
3	ISSUED FOR TENDER	2019.03.08
2	ISSUED FOR 100% CD REVIEW	2018.03.14
1	ISSUED FOR 90% CD REVIEW	2018.02.22

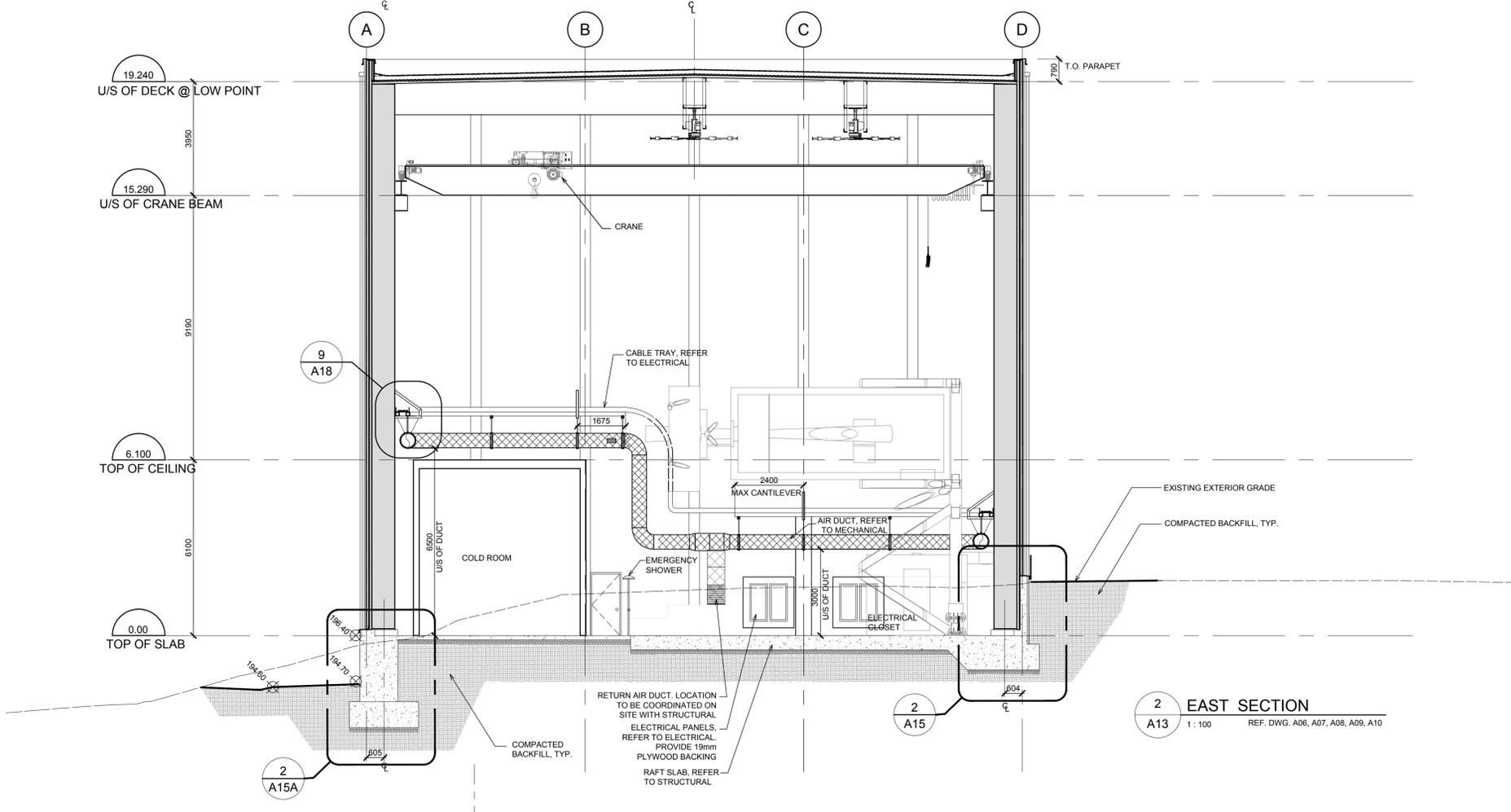
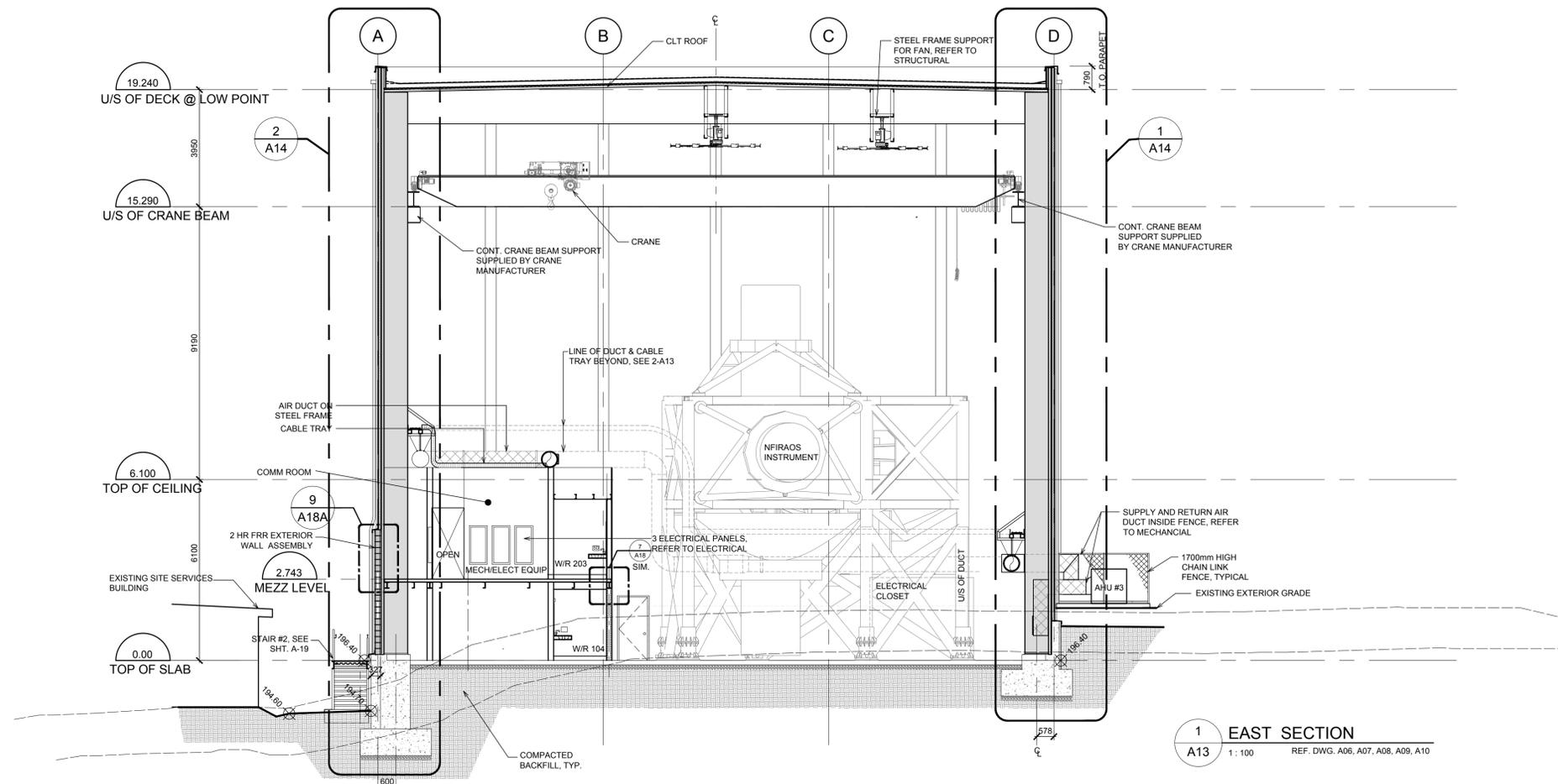
Project title/Titre du projet  
**5071 WEST SAANICH ROAD VICTORIA, BC, CANADA**

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

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 Designed by/Concept par T.Y.  
 Drawn by/Dessine par S.K.  
 PWSC Project Manager/Administrateur de Projets TPSCG PATRICK TRUONG  
 Regional Manager, Architectural and Engineering Services Gestionnaire régionale, Services d'architectural et de génie, TPSCG PAUL PREETIPAL

Drawing title/Titre du dessin  
**SOUTH BUILDING SECTIONS**

Project No./No. du projet <b>R.077596.001</b>	Sheet/Feuille <b>WA12</b>	Revision no./Lo Révision no. <b>3</b>
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Revision/Revision	Description/Description	Date/Date
3	ISSUED FOR TENDER	2019.03.08
2	ISSUED FOR 100% CD REVIEW	2018.03.14
1	ISSUED FOR 90% CD REVIEW	2018.02.22

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.

Drawn by/Dessiné par  
 S.K.

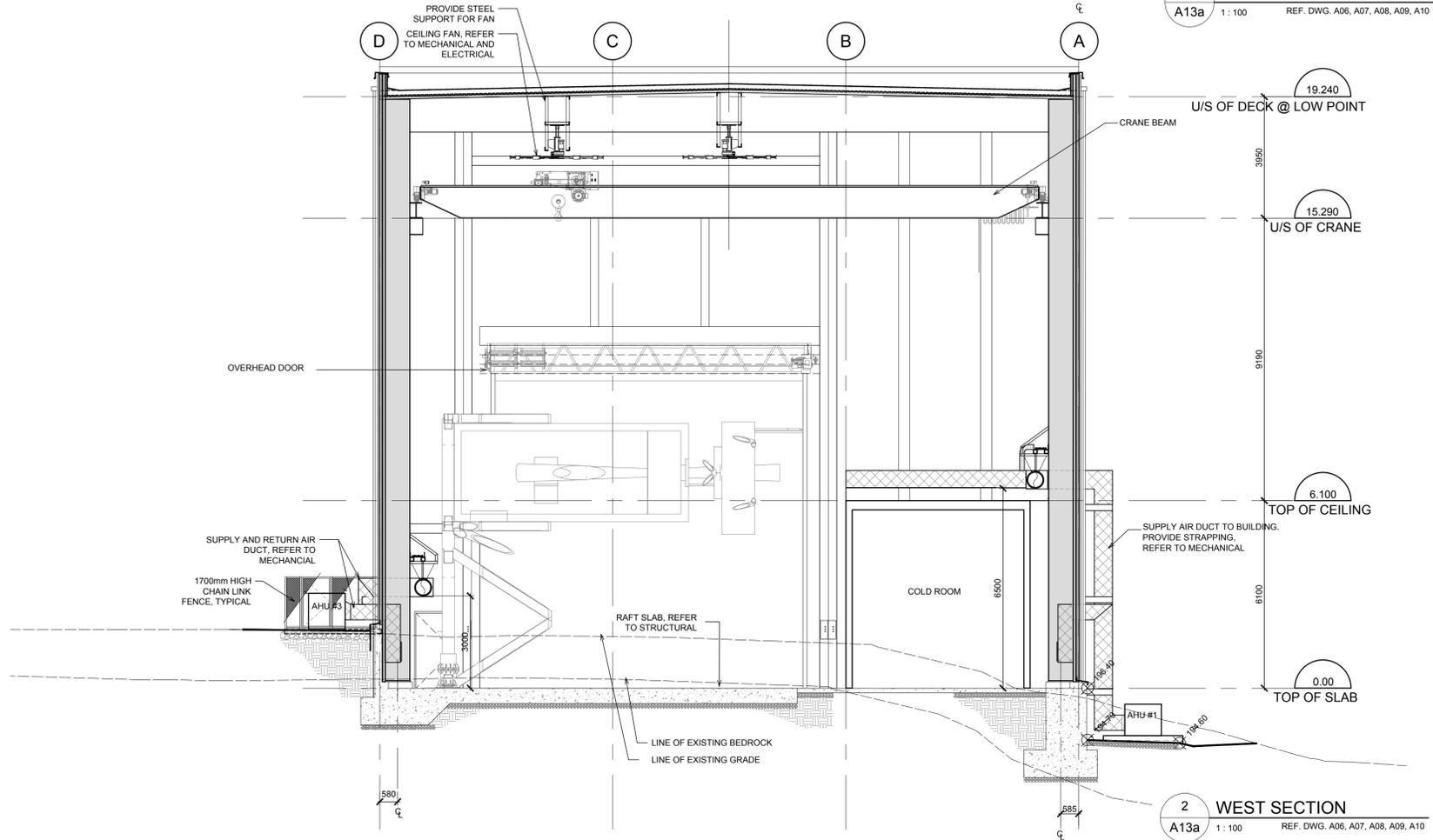
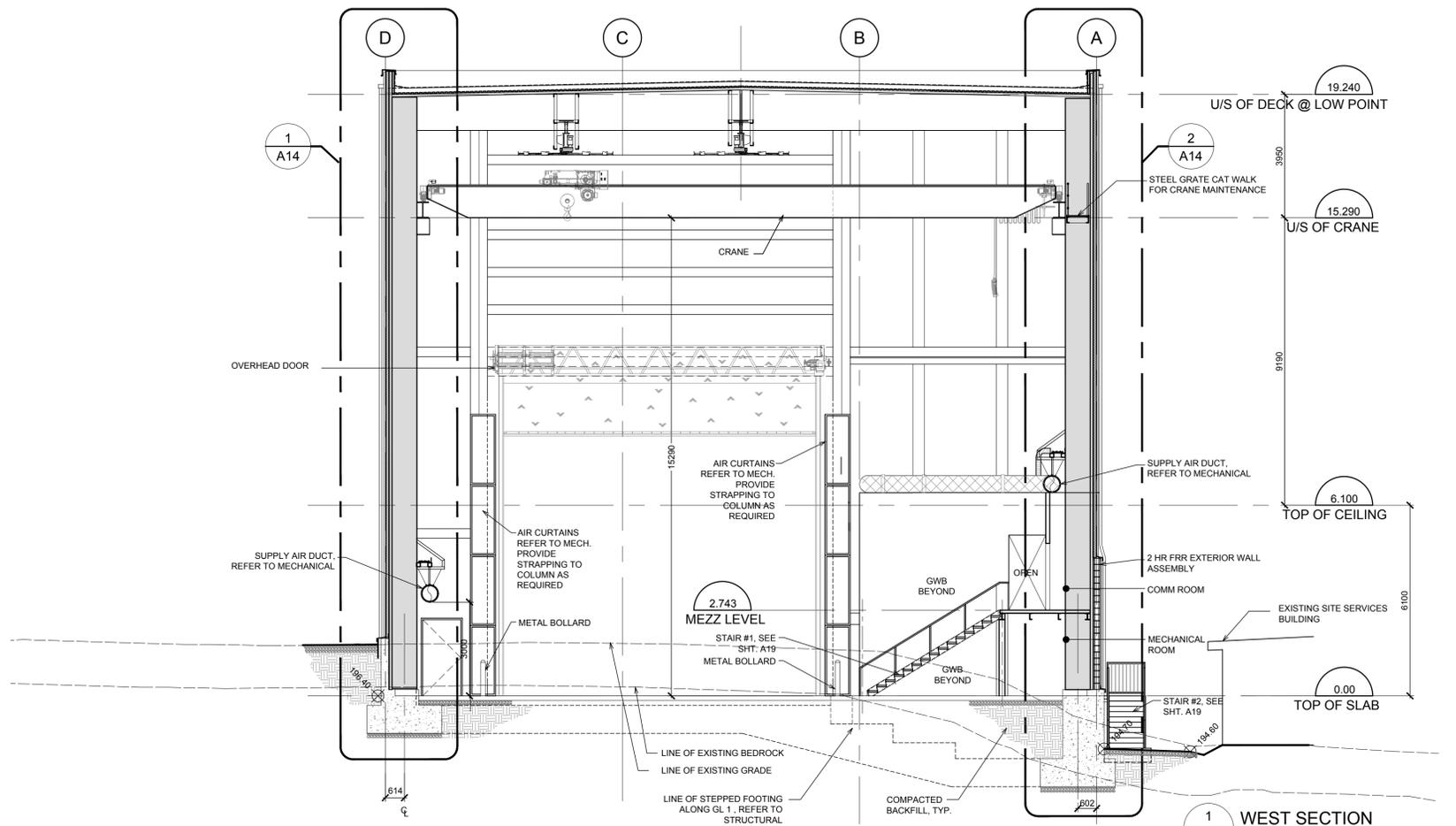
PWGSC Project Manager/Administrateur de Projets TPSCG  
**PATRICK TRUONG**

Regional Manager, Architectural and Engineering Services  
 Gestionnaire régionale, Services d'architectural et de génie, TPSCG  
**PAUL PIRETTAL**

Drawing Title/Titre du dessin

**EAST  
 BUILDING SECTIONS**

Project No./No. du projet <b>R.077596.001</b>	Sheet/Feuille <b>WA13</b> OF 22	Revision no./La Révision no. <b>3</b>
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Revision/Revision	Description/Description	Date/Date
3	ISSUED FOR TENDER	2019.03.08
2	ISSUED FOR 100% CD REVIEW	2018.03.14
1	ISSUED FOR 90% CD REVIEW	2018.02.22

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.

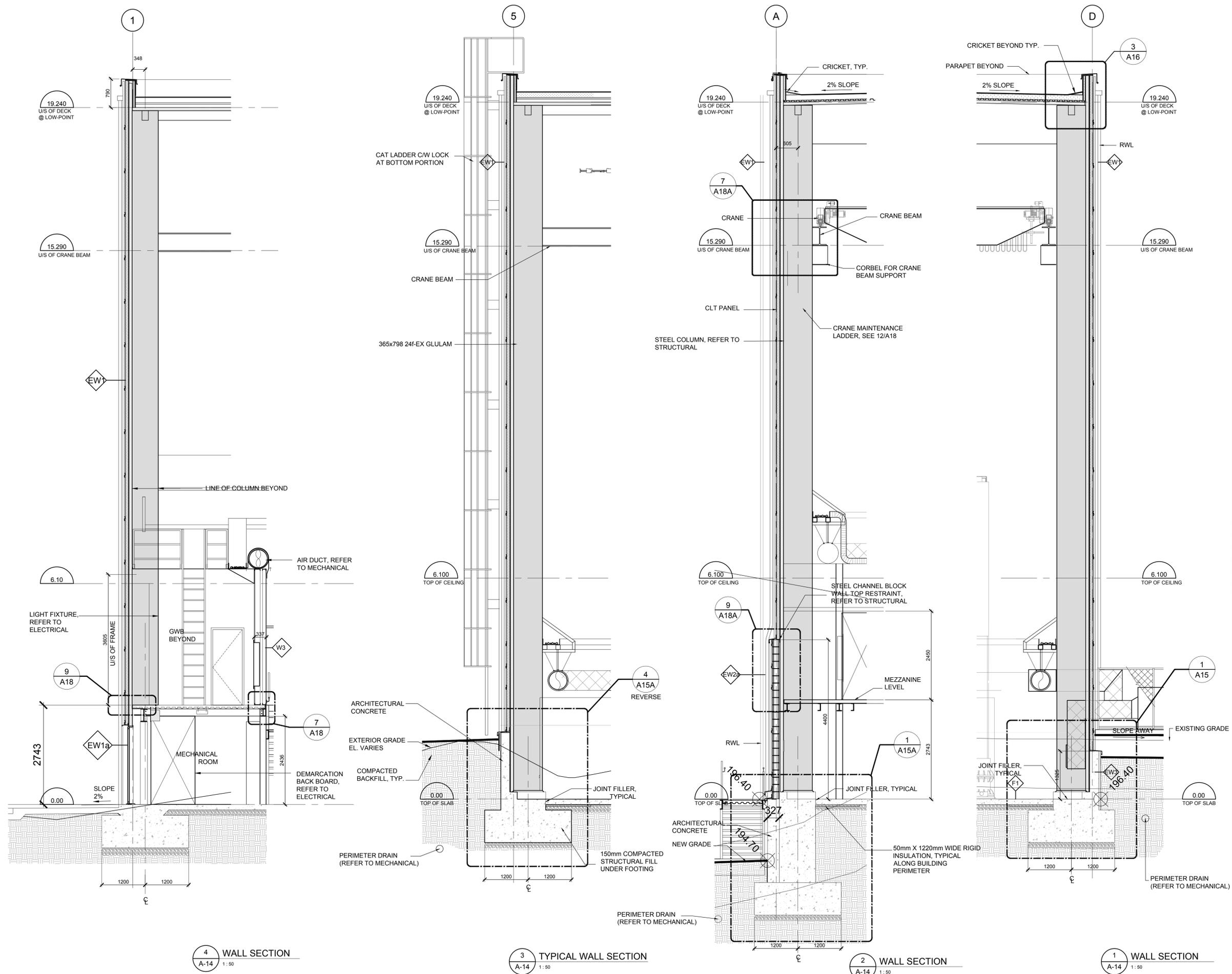
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S.K.

PWGSC Project Manager/Administrateur de Projets TPSGC  
**PATRICK TRUONG**

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

**WEST BUILDING SECTIONS**

Project No./No. du projet <b>R.077596.001</b>	Sheet/Feuille <b>WA13a</b> OF 22	Revision no./La Révision no. <b>3</b>
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Revision/Revision	Description/Description	Date/Date
3	ISSUED FOR TENDER	2019.03.08
2	ISSUED FOR 100% CD REVIEW	2018.03.14
1	ISSUED FOR 90% CD REVIEW	2018.02.22

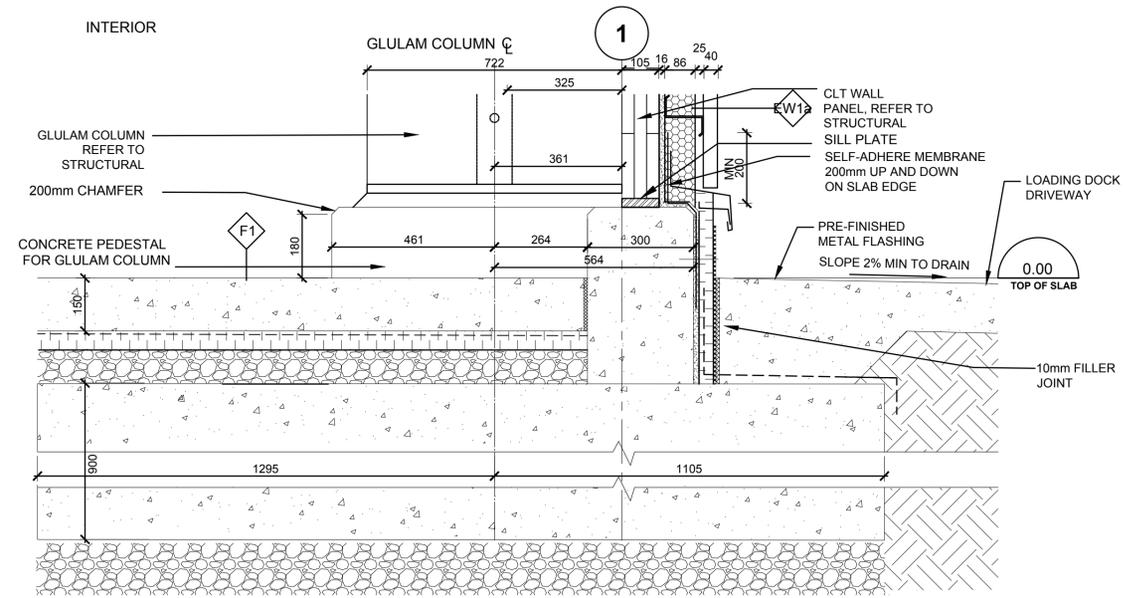
Project title/Titre du projet  
**5071 WEST SAANICH ROAD  
 VICTORIA, BC, CANADA**

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

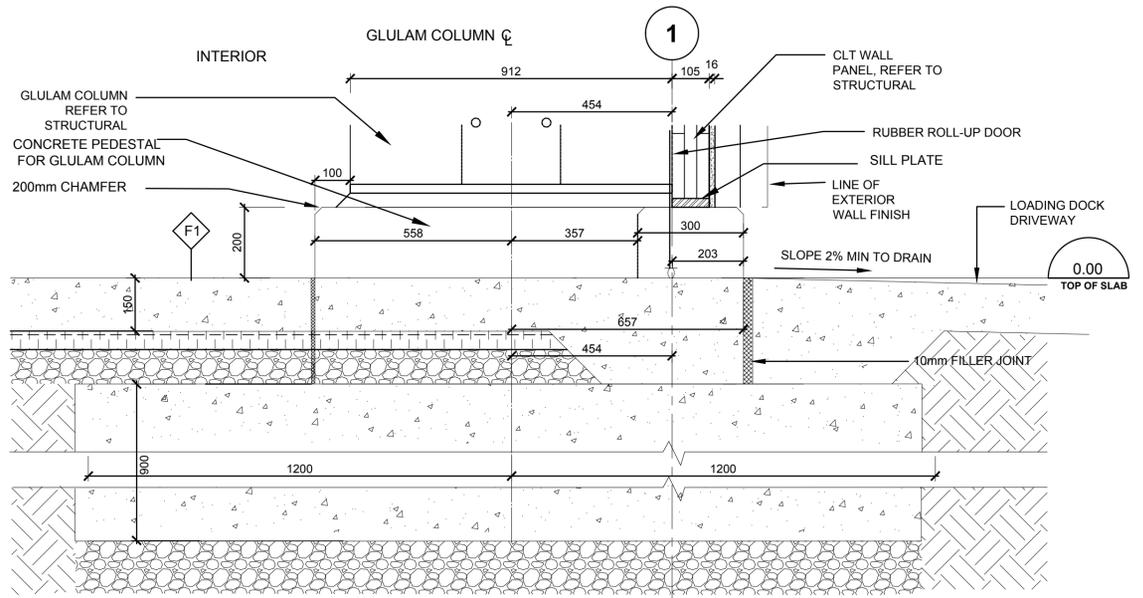
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 T.Y.  
 Drawn by/Dessiné par  
 S.K.  
 PWGSC Project Manager/Administrateur de Projets TPSCG  
**PATRICK TRUONG**  
 Regional Manager, Architectural and Engineering Services  
 Gestionnaire régionale, Services d'architectural et de génie, TPSCG

**WALL SECTIONS**

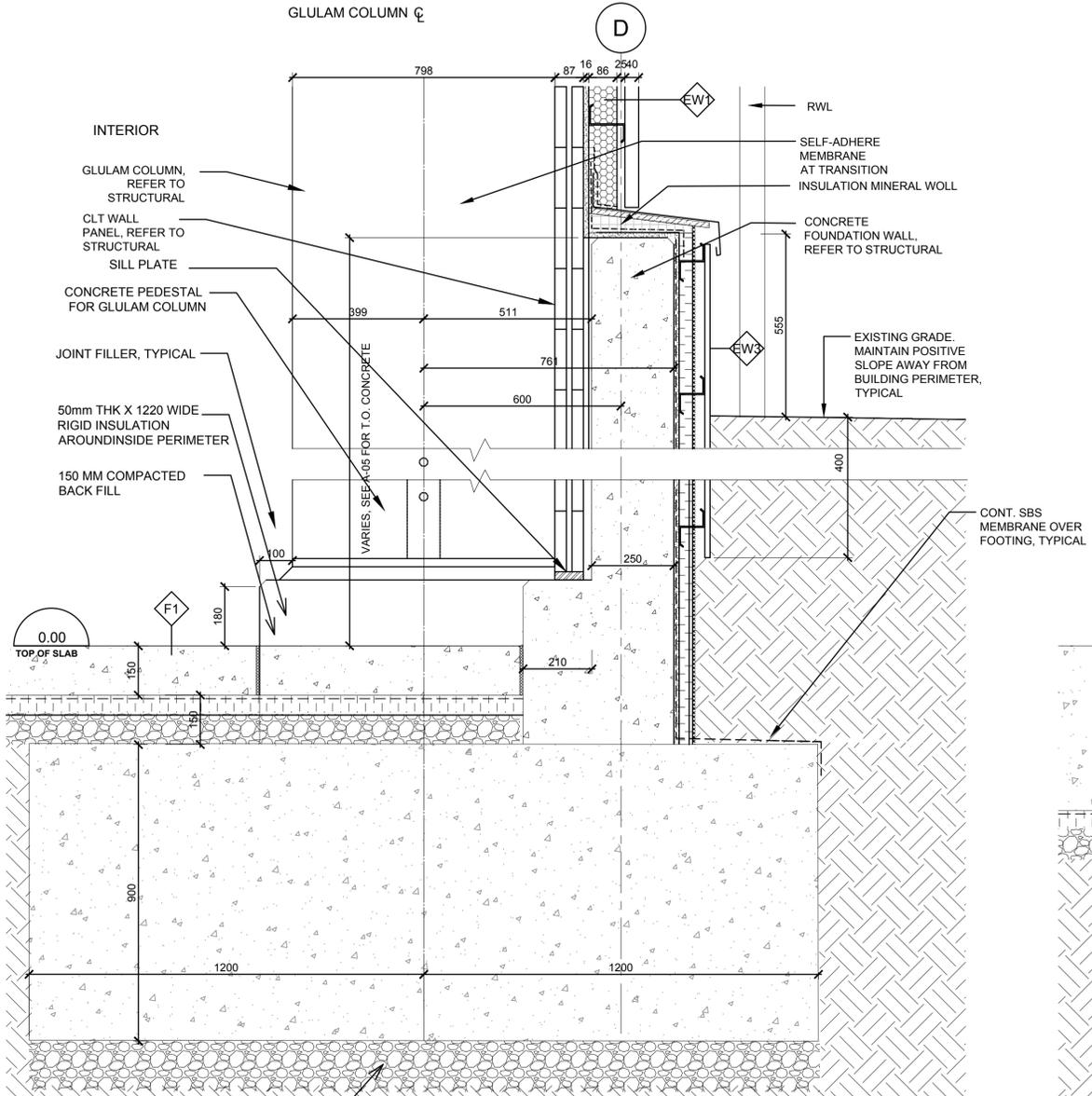
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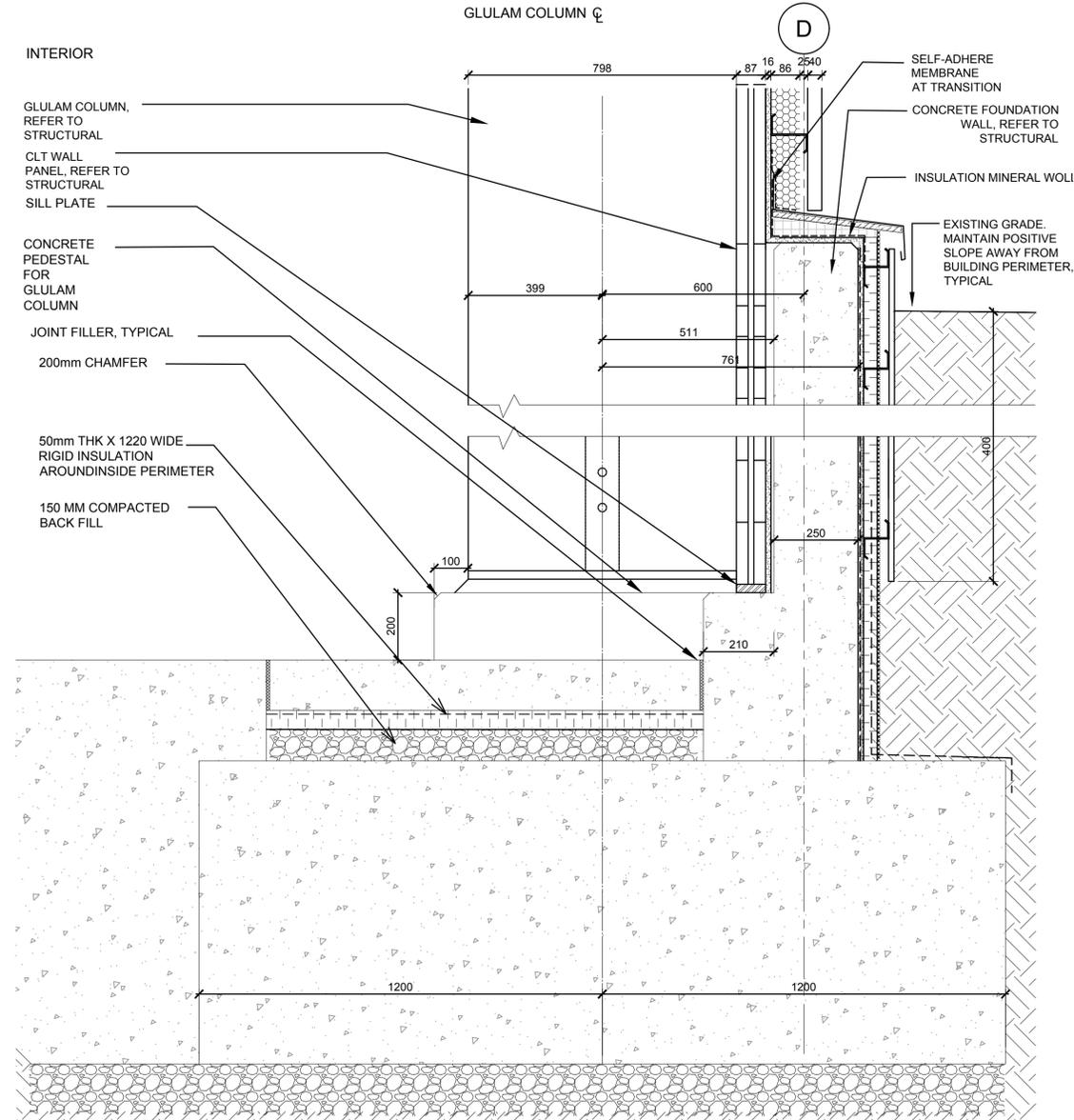
**4 SECTION DETAIL**  
A-15 1:10 REF. DWG 1/A12



**3 SECTION DETAIL / OVERHEAD DOOR**  
A-15 1:10 REF. DWG 2/A12



**2 SECTION DETAIL**  
A-15 1:10 REF. DWG 2/A13



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



Revision/Revision	Description/Description	Date/Date
3	ISSUED FOR TENDER	2019.03.08
2	ISSUED FOR 100% CD REVIEW	2018.03.14
1	ISSUED FOR 90% CD REVIEW	2018.02.22

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

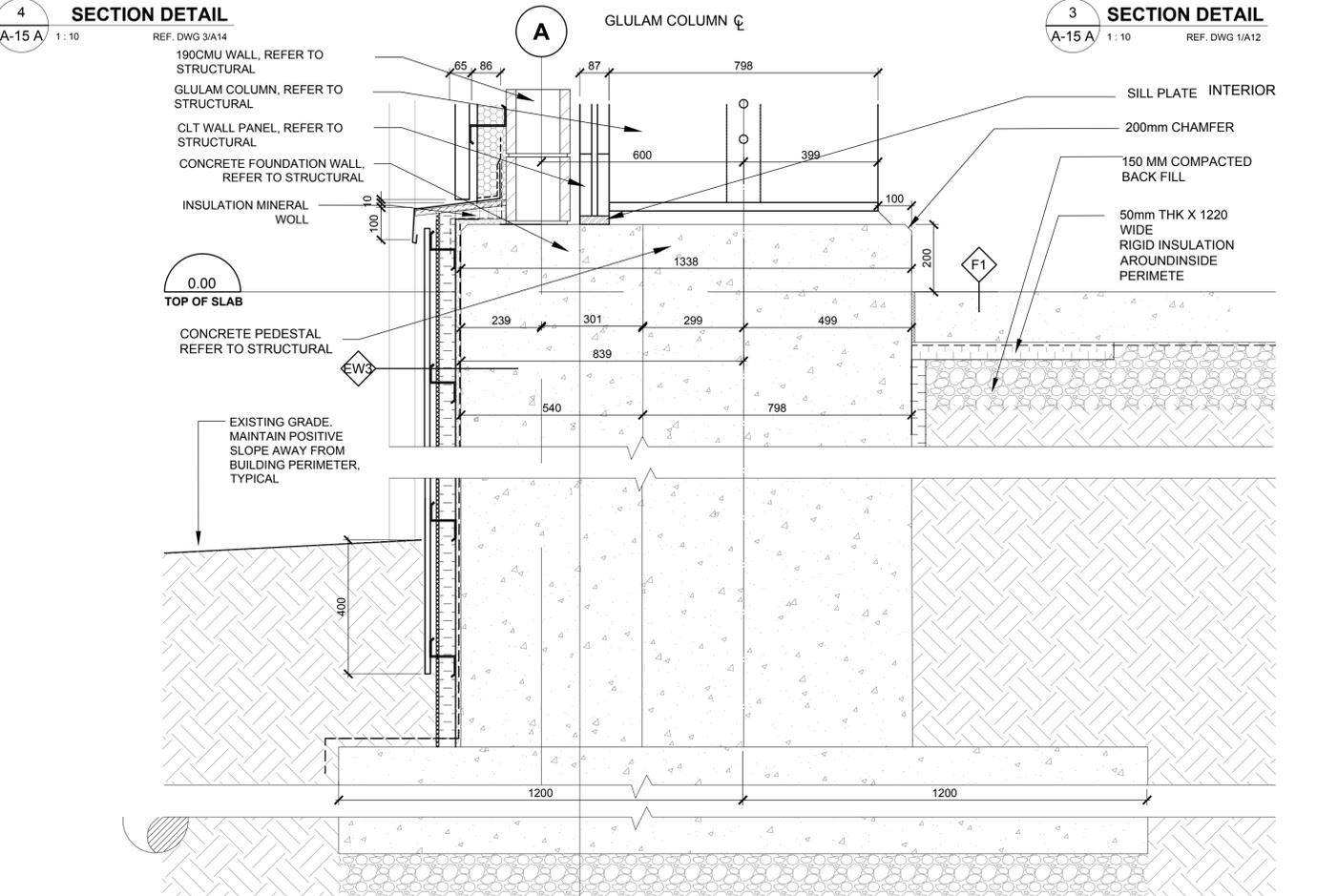
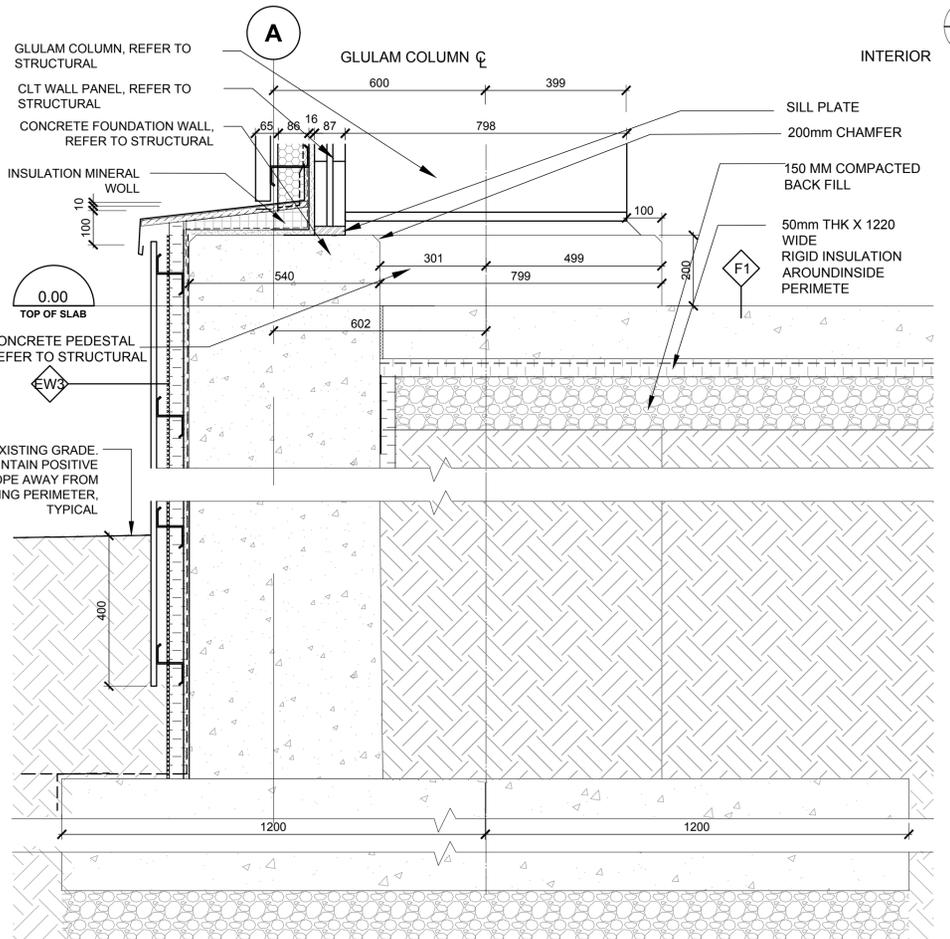
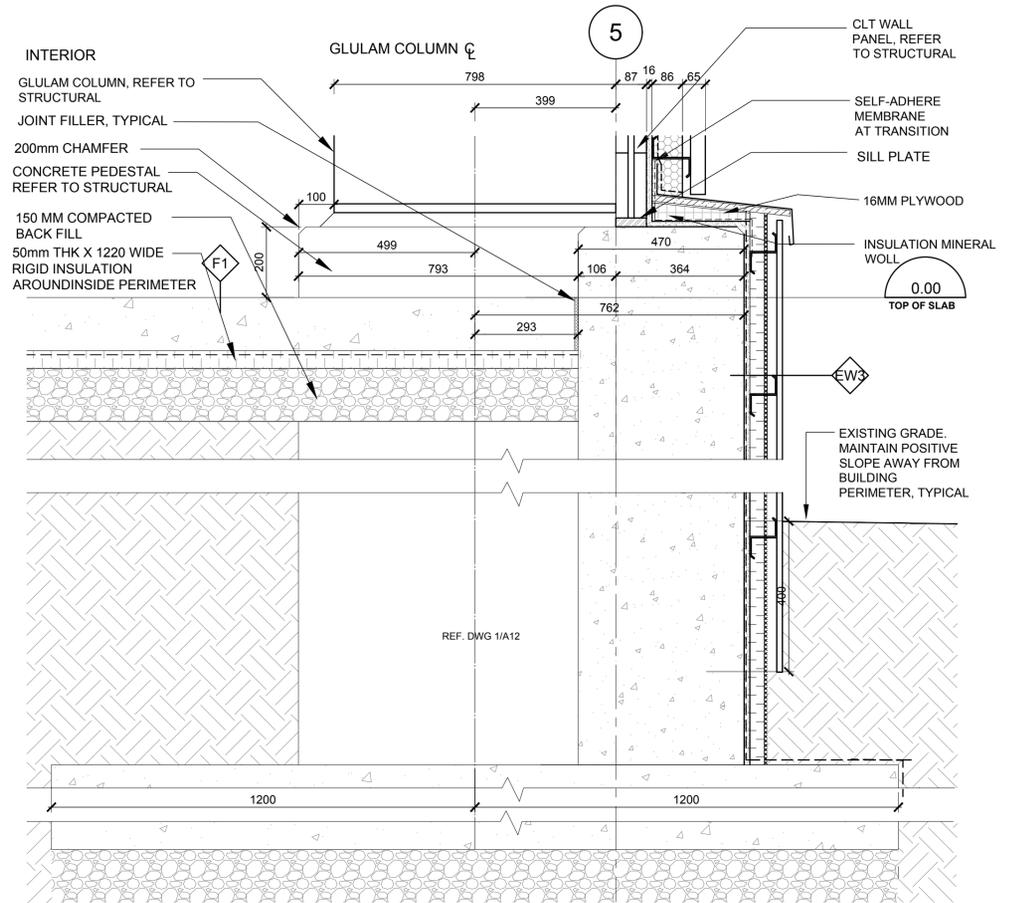
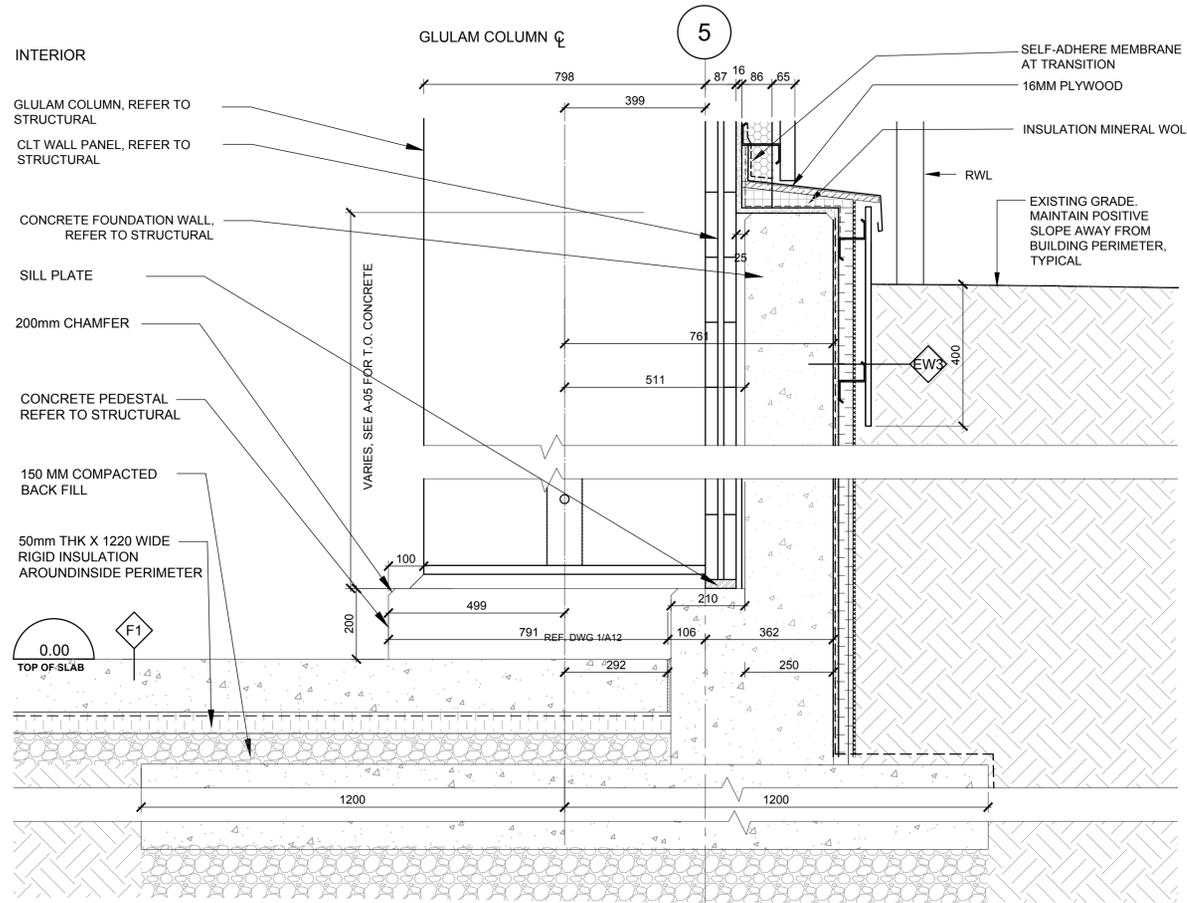
**NRC HERZBERG ASTRONOMY AND ASTROPHYSICS ATP INTEGRATION FACILITY**

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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

**SECTION DETAILS**

Project No./No. du projet <b>R.077596.001</b>	Sheet/Fauille <b>WA15</b>	Revision no./La Révision no. <b>3</b>
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Revision/Revision	Description/Description	Date/Date
3	ISSUED FOR TENDER	2019.03.08
2	ISSUED FOR 100% CD REVIEW	2018.03.14
1	ISSUED FOR 90% CD REVIEW	2018.02.22

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.

Drawn by/Dessine par  
S.K.

PWGSC Project Manager/Administrateur de Projets TPSPC  
**PATRICK TRUONG**

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

Drawing title/Titre du dessin

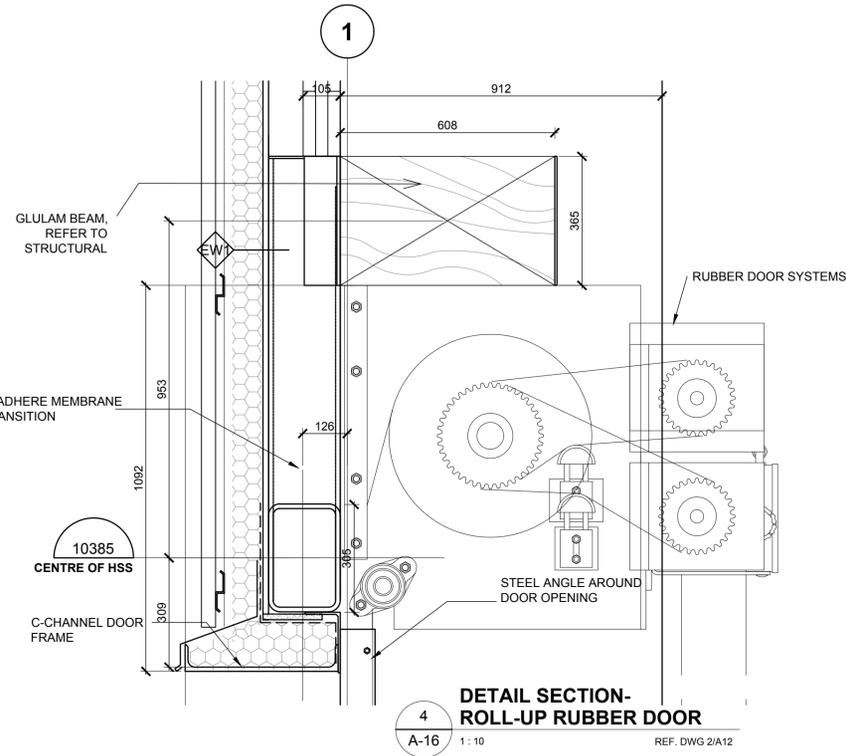
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Project No./No. du projet  
**R.077596.001**

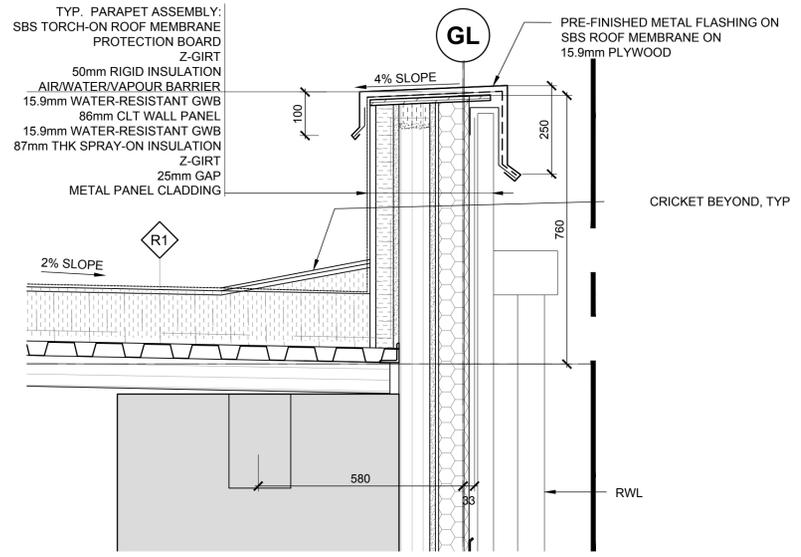
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Revision no./Lo Révision no.  
**3**

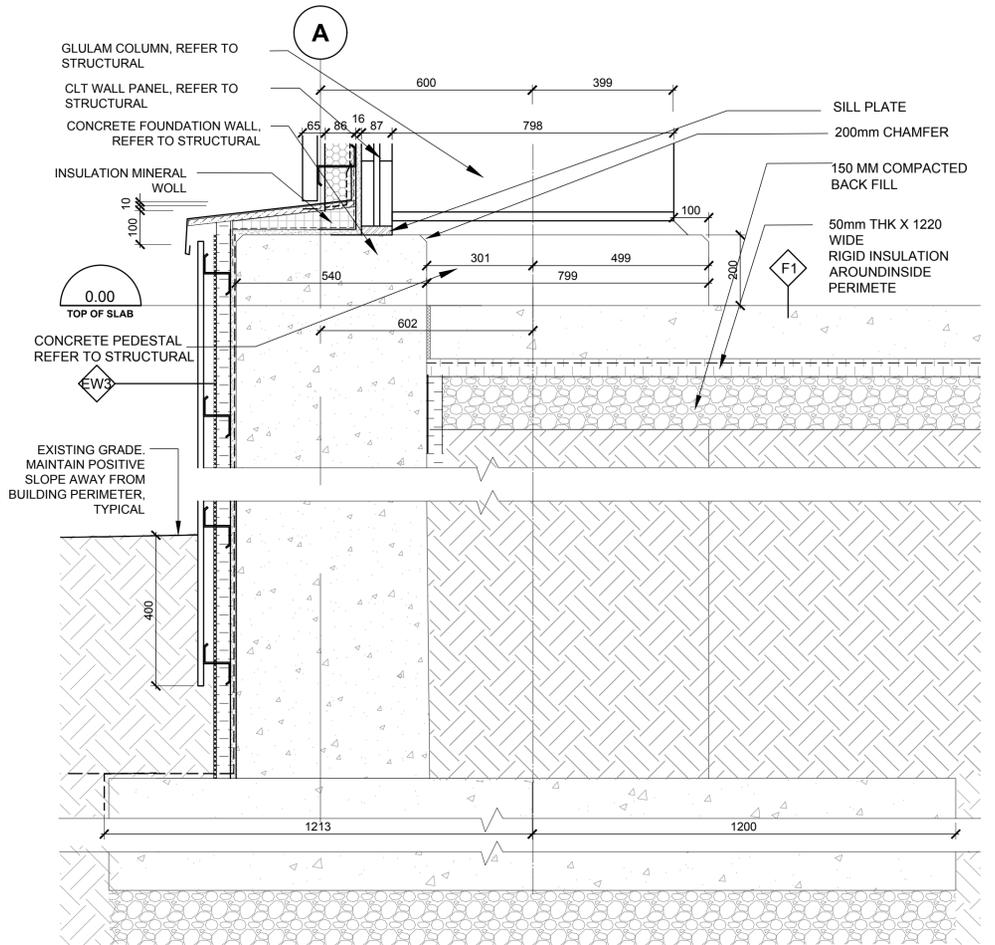
OF 22



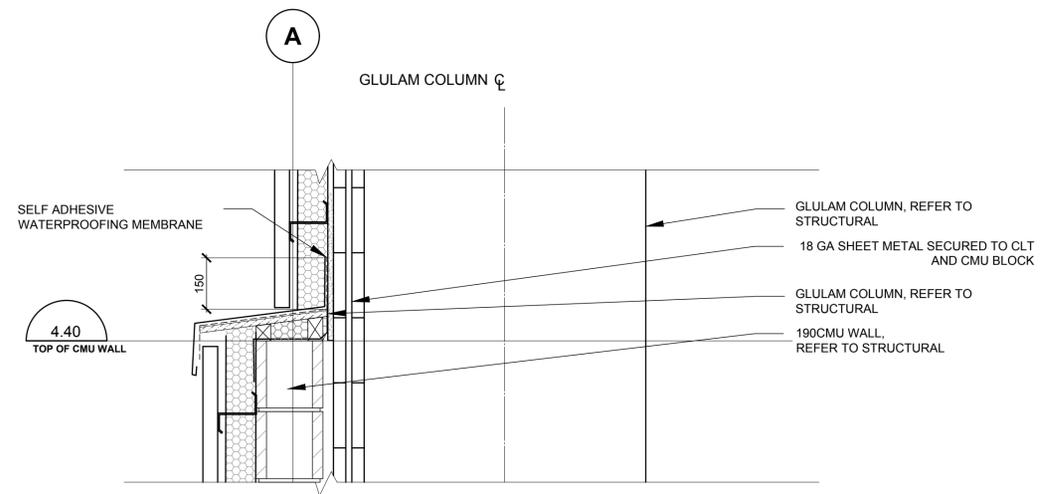
**4**  
A-16 1:10 REF. DWG 2/A12  
**DETAIL SECTION - ROLL-UP RUBBER DOOR**



**3**  
A-16 1:10 REF. DWG 1/A14  
**TYPICAL DETAIL SECTION - WALL AT ROOF LEVEL**



**2**  
A-16 1:10 REF. DWG 2/A13  
**TYPICAL SECTION DETAIL**



**1**  
A-16 1:10 REF. DWG 2/A13  
**TYPICAL SECTION DETAIL AT CONCRETE WALL**



Revision/Revision	Description/Description	Date/Date
3	ISSUED FOR TENDER	2019.03.08
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1	ISSUED FOR 90% CD REVIEW	2018.02.22

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

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

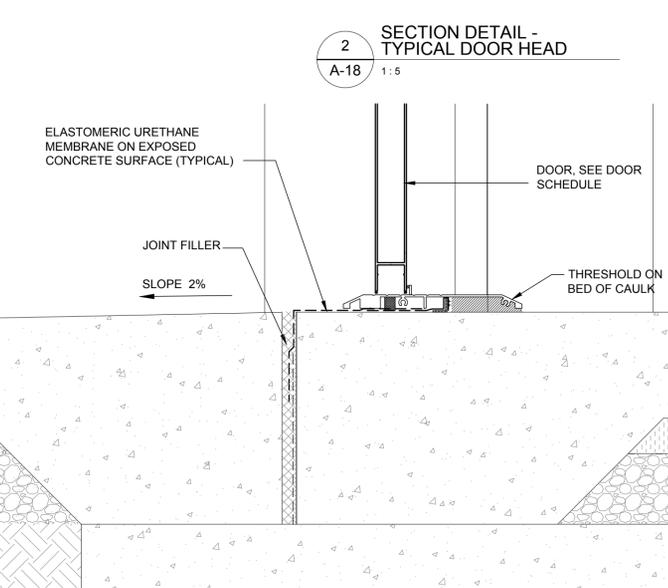
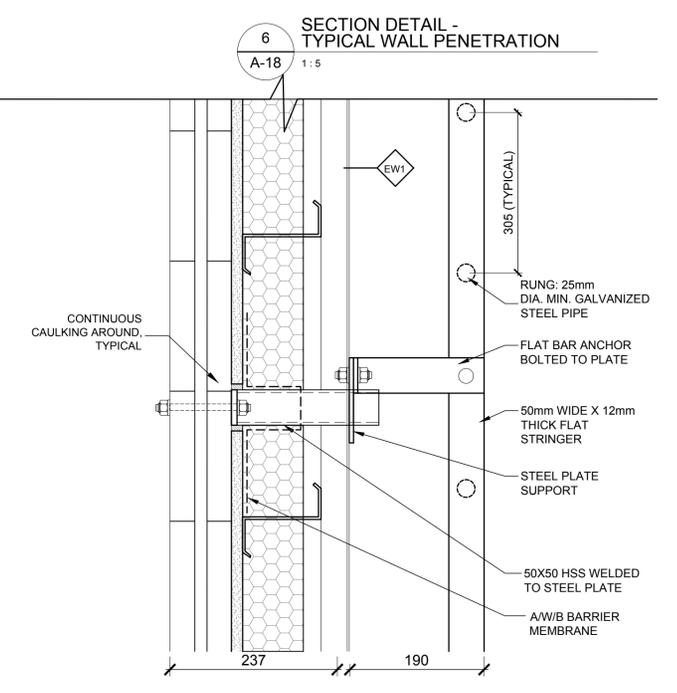
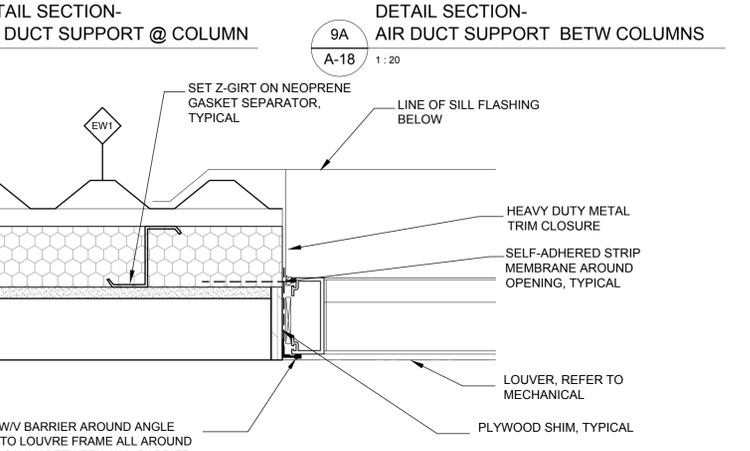
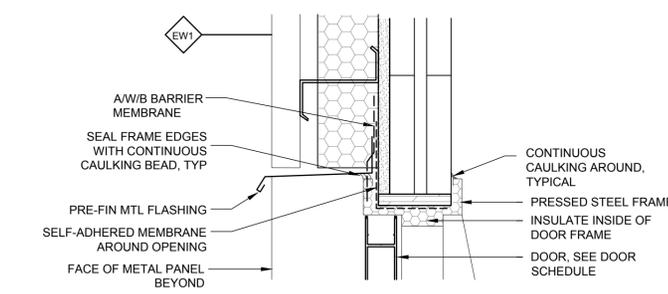
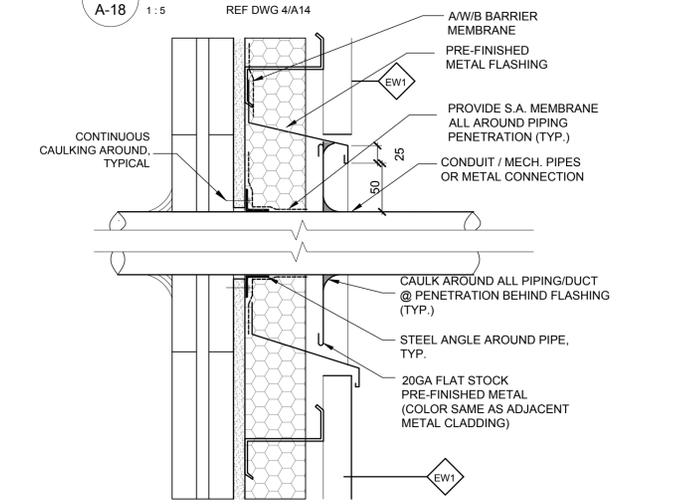
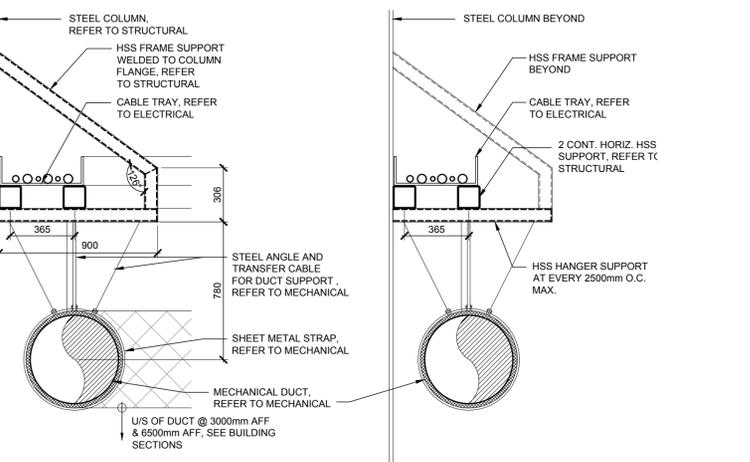
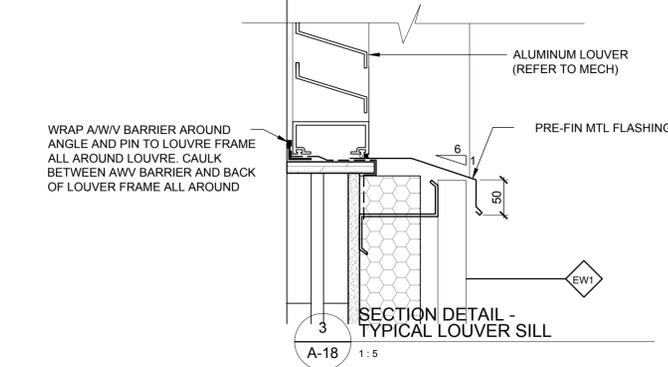
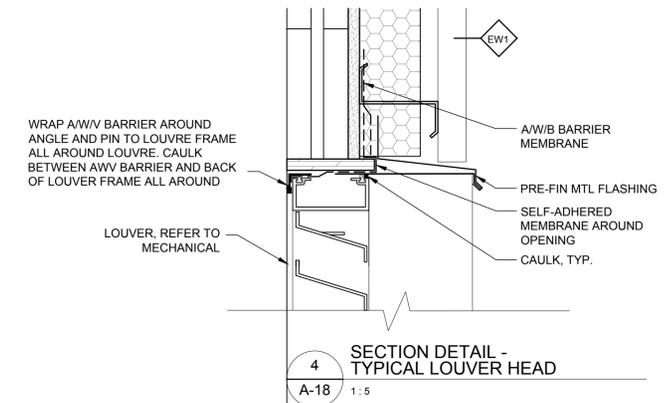
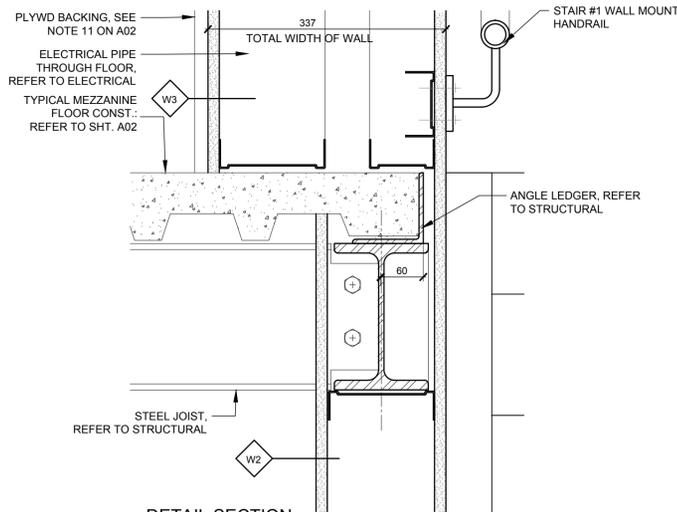
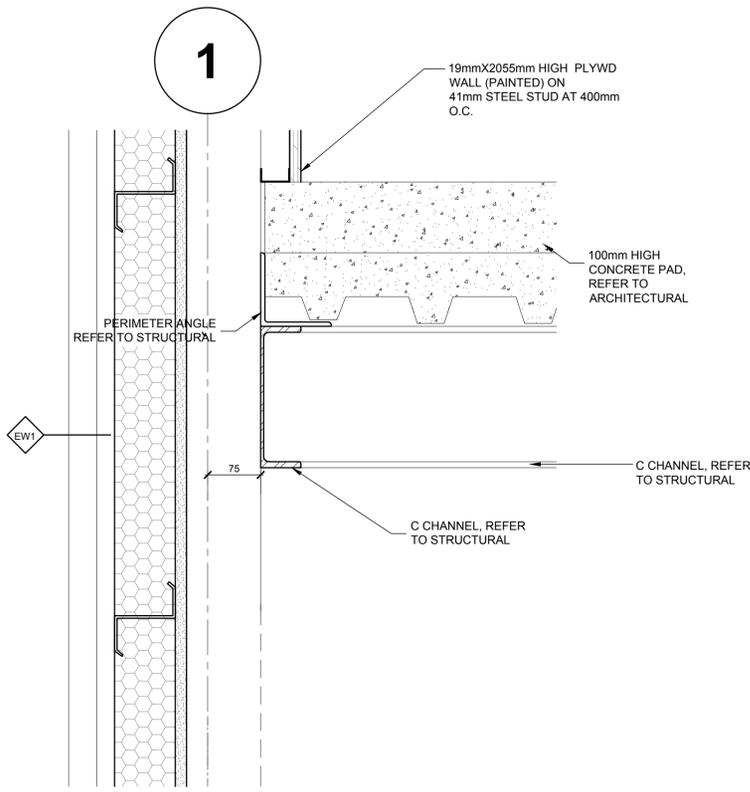
Consultant Signature Only  
Designed by/Concept par T.Y.  
Drawn by/Dessiné par S.K.  
PWGSC Project Manager/Administrateur de Projets TPSPC PATRICK TRUONG  
Regional Manager, Architectural and Engineering Services Gestionnaire régionale, Services d'architecture et de génie, TPSPC PAUL PREETIPAL  
Drawing title/Titre du dessin

**SECTION DETAILS**

Project No./No. du projet <b>R.077596.001</b>	Sheet/Feuille <b>WA16</b> OF 22	Revision no./Lo Révision no. <b>3</b>
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Revision/Revision	Description/Description	Date/Date
3	ISSUED FOR TENDER	2019.03.08
2	ISSUED FOR 100% CD REVIEW	2018.03.14
1	ISSUED FOR 99% CD REVIEW	2018.02.22

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/Dessine par  
S.K.

PWSSC Project Manager/Administrateur de Projets TPSSC  
**PATRICK TRUONG**

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

Drawing title/Titre du dessin

**PLAN/SECTION DETAILS**



Revision/	Description/Description	Date/Date
2	ISSUED FOR TENDER	2019.03.08
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T.Y.

Drawn by/Dessiné par  
S.K.

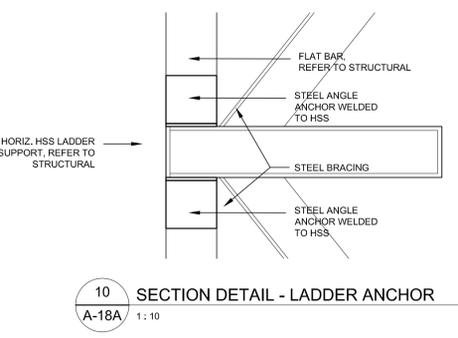
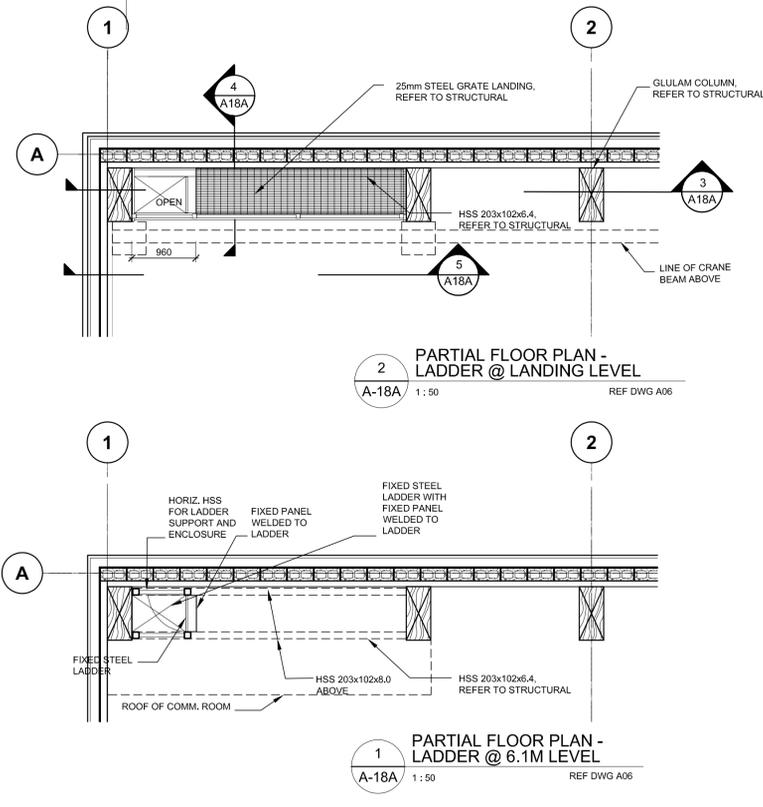
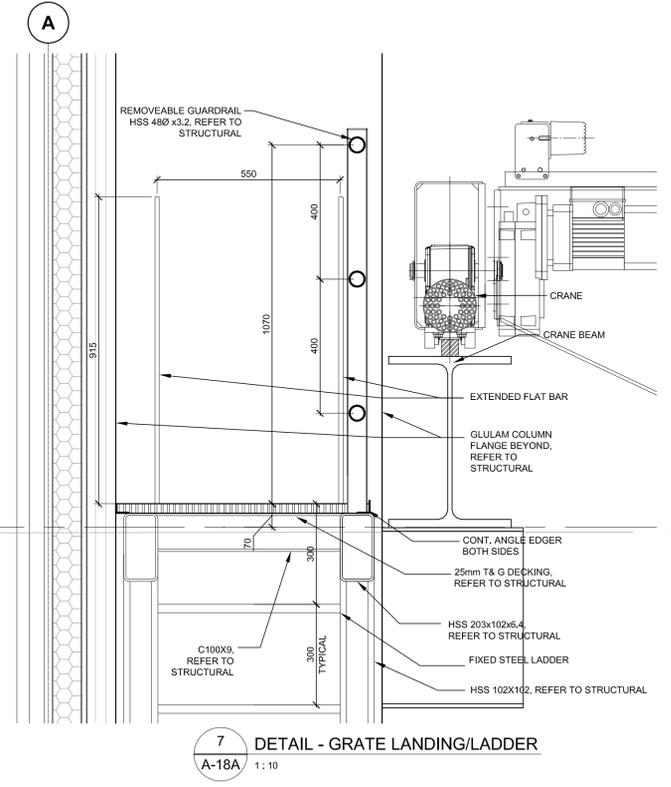
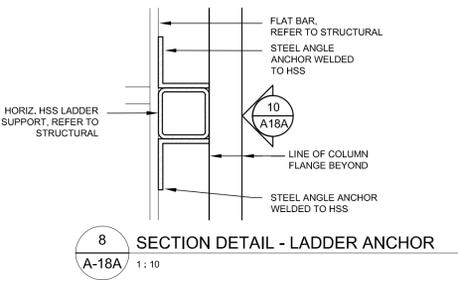
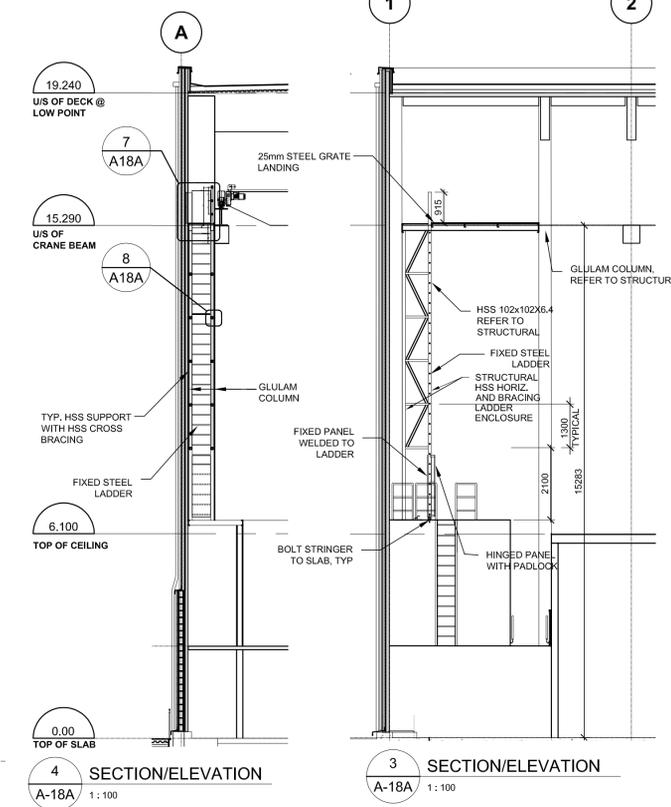
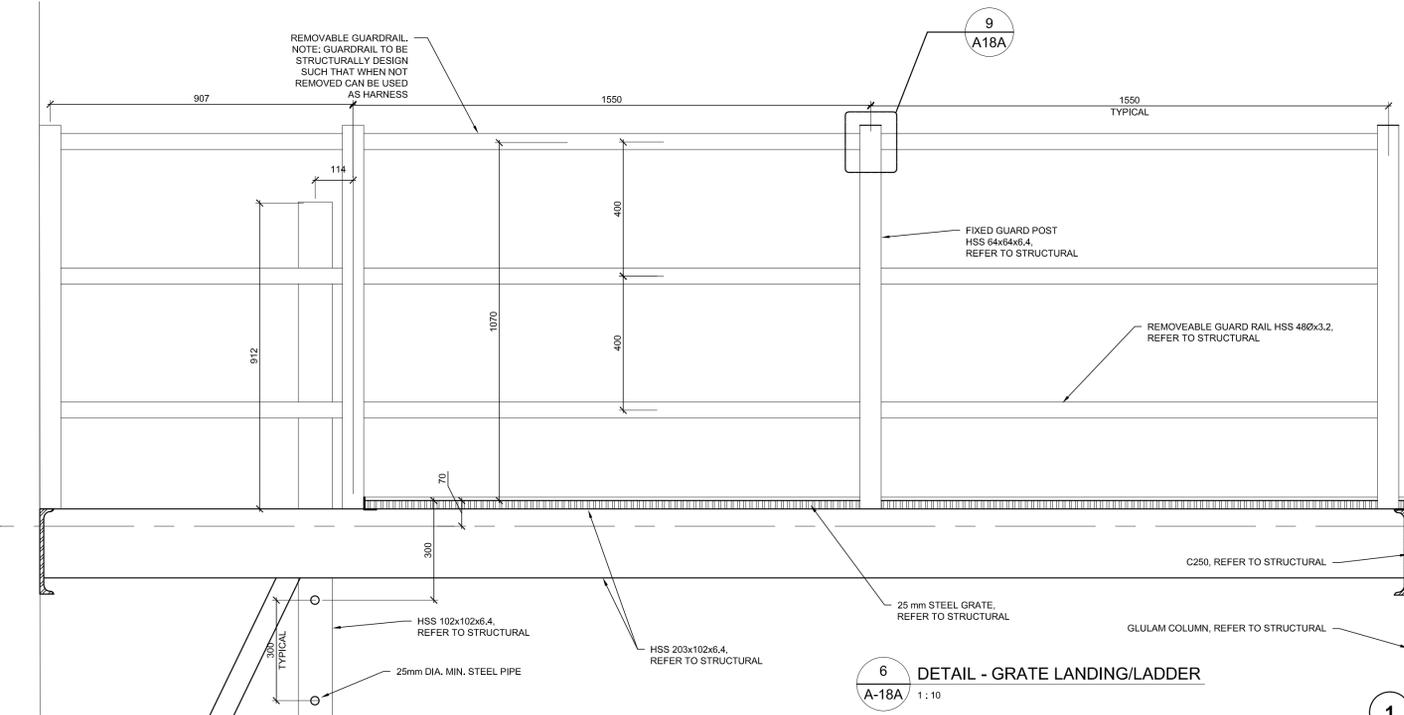
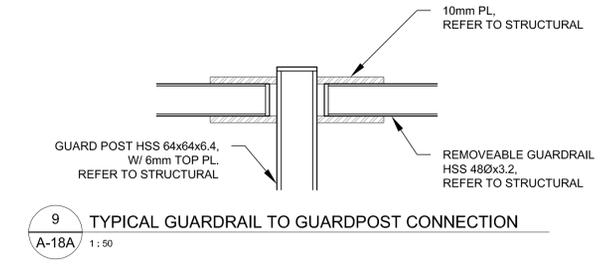
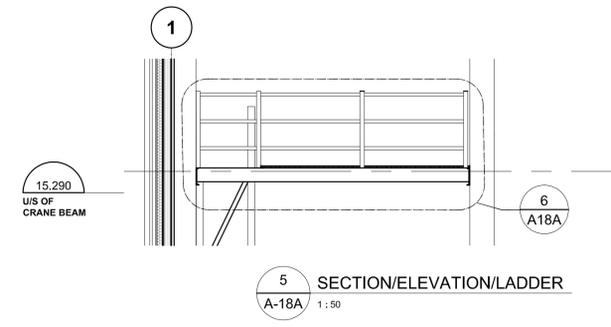
PWGSC Project Manager/Administrateur de Projets TP50C  
**PATRICK TRUONG**

Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TP50C  
**PAUL PREETIPAL**

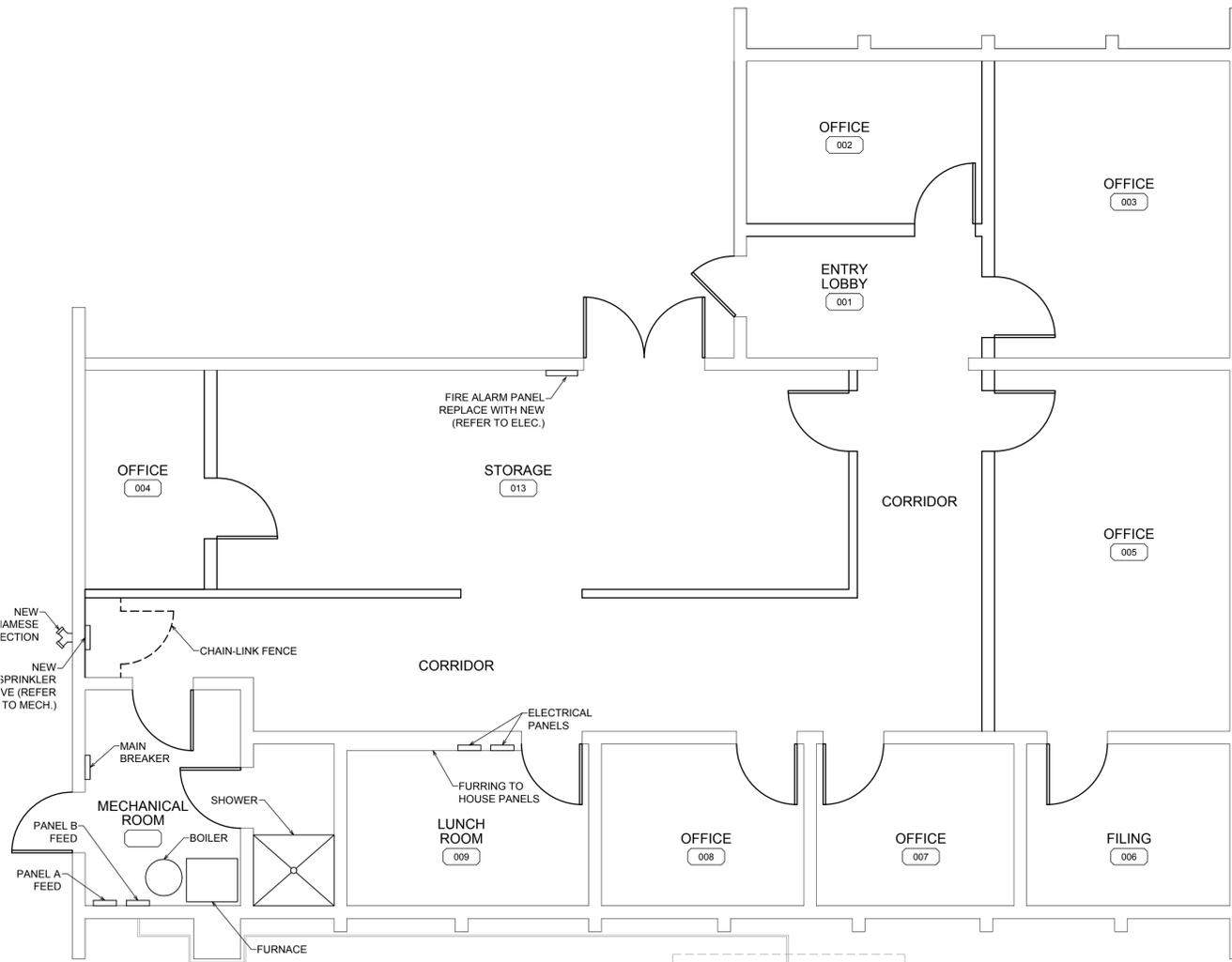
Drawing title/Titre du dessin

**MISCELLANEOUS DETAILS**

Project No./No. du projet <b>R.077596.001</b>	Sheet/Feuille <b>WA18A</b> OF 22	Revision no./ La Révision no. <b>2</b>
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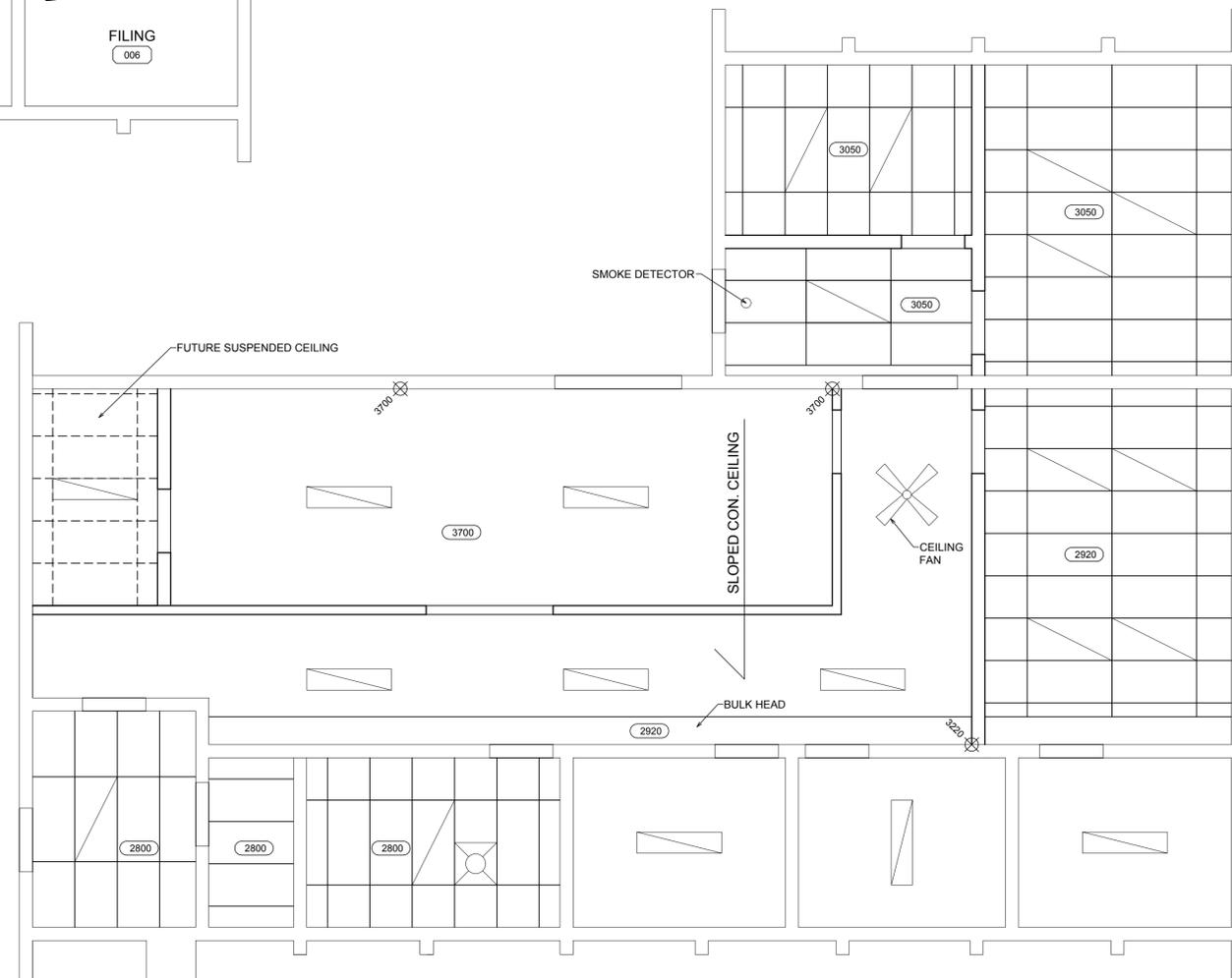




**CONSTRUCTION NOTES FOR SITE SERVICES BUILDING:**

1. Paint all new sprinkler pipes that are installed under exposed concrete ceiling. Paint all exposed ceiling after installation.
2. 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.
3. 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.
4. Provide new opening at the footing wall for installation of sprinkler main.
5. Provide slab opening for sprinkler main. Make good slab after installation.
6. Provide new opening for siamse connection at the outside wall. Provide non-shrink grout and caulk around pipes. Paint disturbed wall area.
7. Provide new blocking for installation of new fire alarm panel. Re-paint wall and blocking after installation.

2 REFLECTED CEILING PLAN  
A20 1:50



Revision/Revision	Description/Description	Date/Date
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Project title/Titre du projet  
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**NRC HERZBERG  
ASTRONOMY AND ASTROPHYSICS  
ATP INTEGRATION FACILITY**

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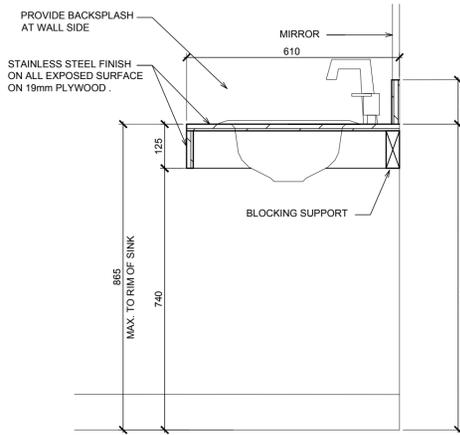
Designed by/Concept par  
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**PAUL PREETIPAL**

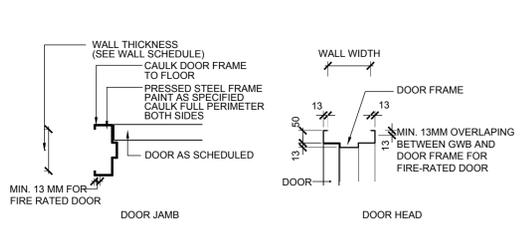
Drawing title/Titre du dessin

**EXISTING SITE SERVICES BUILDING**

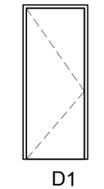
Project No./No. du projet	Sheet/Feuille	Revision no./Lo Révision no.
R.077596.001	WA20	3
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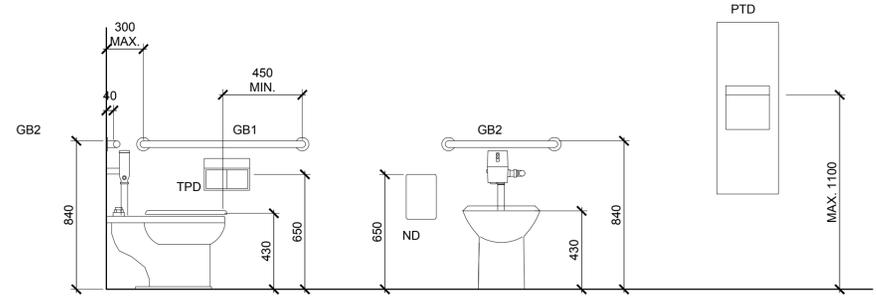
**9 TYPICAL VANITY DETAIL**  
A21 1:10



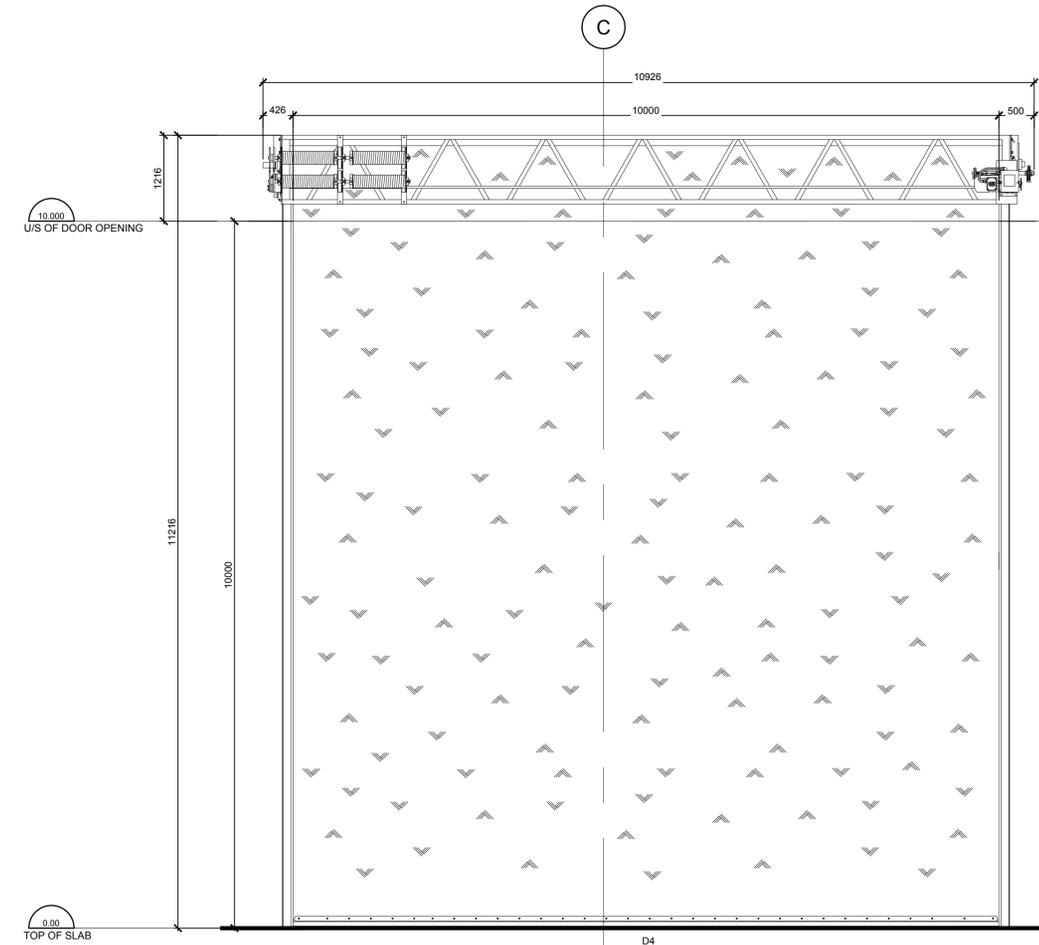
**8 TYPICAL INTERIOR DOOR JAMB/HEAD**  
A21 1:50



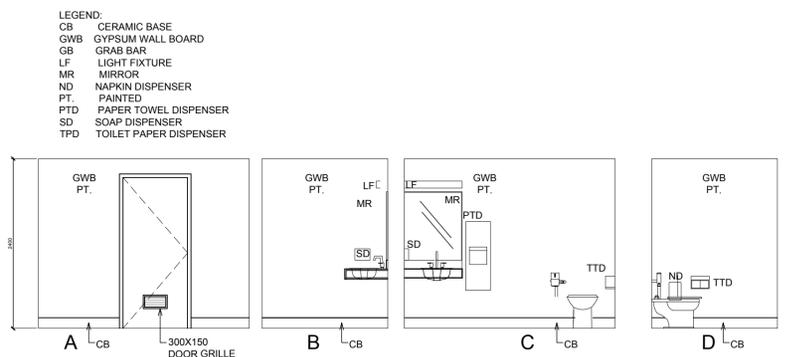
**7 TYPICAL DOOR ELEVATION**  
A21 1:50



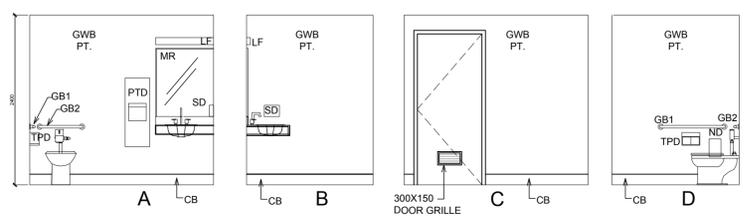
**6 FIXTURES ELEVATION**  
A21 1:50



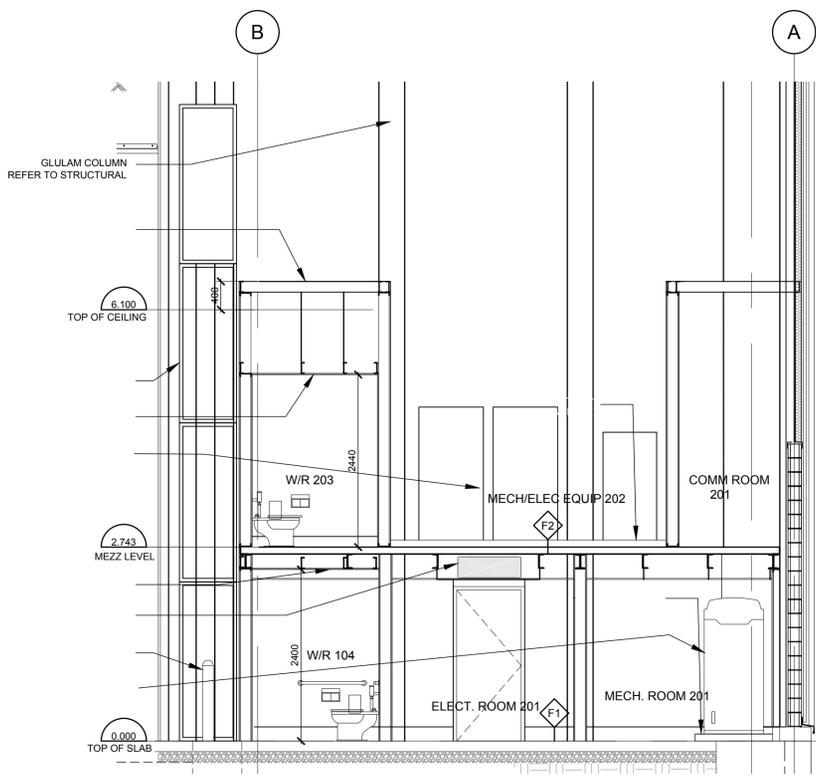
**5 OVERHEAD DOOR INTERIOR ELEVATION**  
A21 1:50



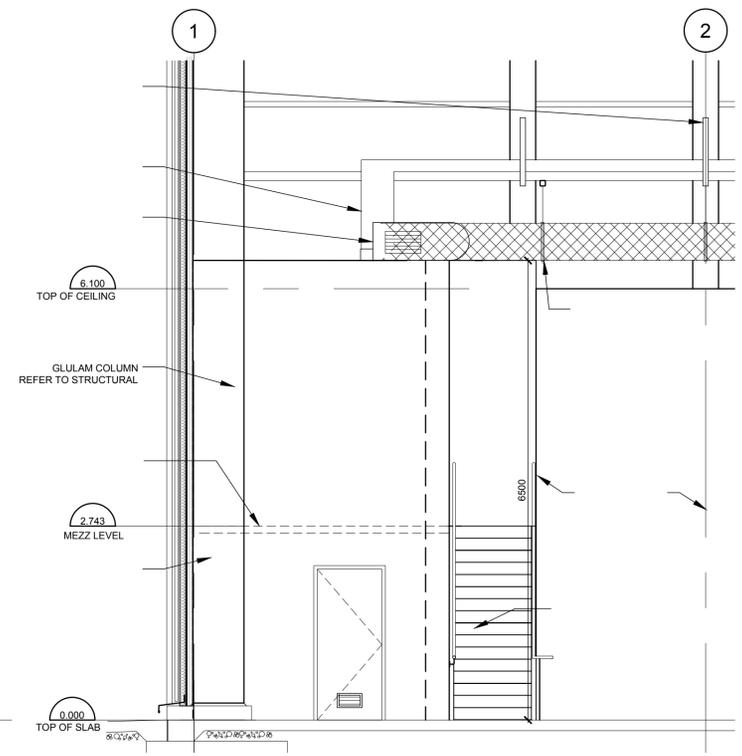
**4 UNISEX W/C INTERIOR ELEVATION**  
A21 1:50



**3 UNIVERSAL W/C INTERIOR ELEVATION**  
A21 1:50



**2 SECTION / INTERIOR ELEVATION**  
A21 1:50



**1 SECTION / INTERIOR ELEVATION**  
A21 1:50

Revision/Revision	Description/Description	Date/Date
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ASTRONOMY AND ASTROPHYSICS  
ATP INTEGRATION FACILITY**

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PWGSC Project Manager/Administrateur de Projets TPSCG  
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Gestionnaire régionale, Services d'architectural et de génie, TPSCG  
**PAUL PRETIPAL**  
Drawing title/Titre du dessin

**INTERIOR ELEVATION/  
DOOR SCHEDULE**

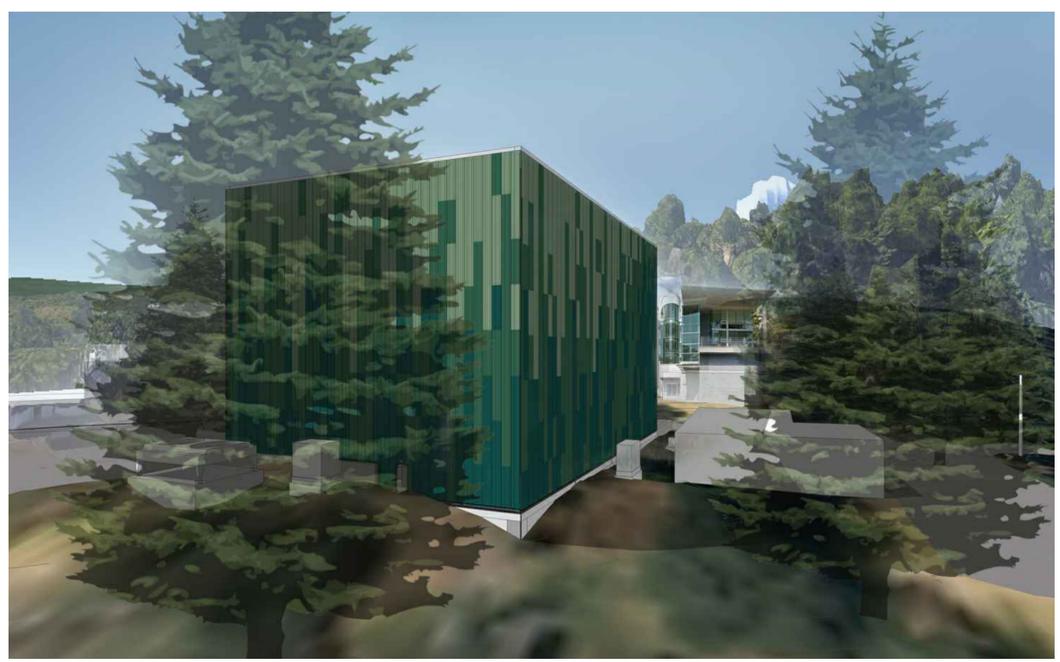
Project No./No. du projet	Sheet/Feuille	Revision no./Lo Révision no.
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	OF 22	



1 VIEW FROM OBSERVATORY ROAD ROAD  
A21 NTS



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2 VIEW FROM NORTH EAST CORNER  
A21 NTS



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

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Drawing title/Titre du dessin  
**RENDERINGS**

Project No./No. du projet <b>R.077596.001</b>	Sheet/Feuille <b>WA22</b> OF 22	Revision no./La Révision no. <b>2</b>
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