

NATIONAL RESEARCH COUNCIL CANADA
UPLANDS CAMPUS

RESEARCH PRIVATE, OTTAWA, ON.
U-77 WINDOW REPLACEMENT

DRAWING LIST

DRAWING NO.

COVER PAGE AND KEY PLANS

5711-A00

ARCHITECTURAL

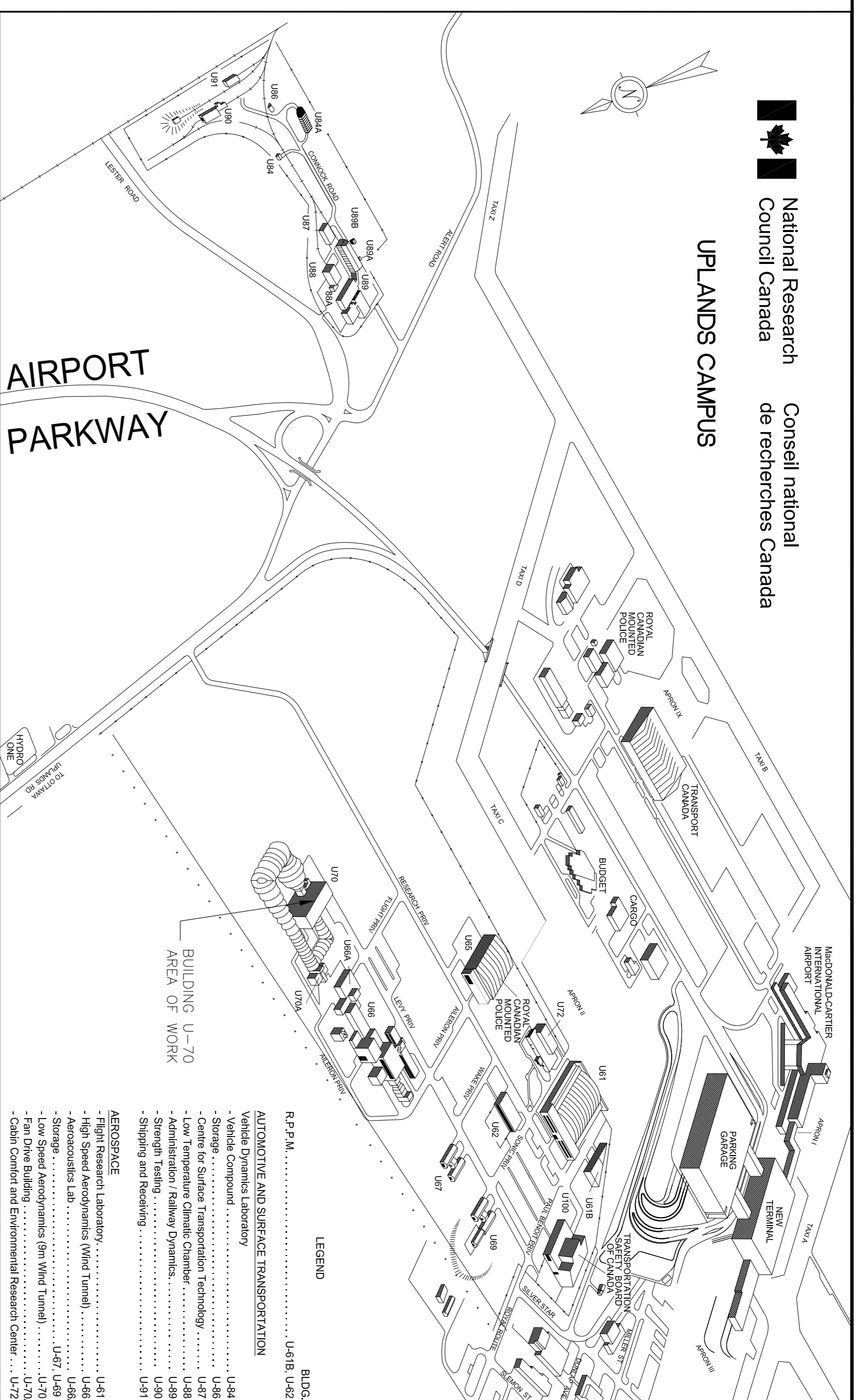
DEMOLITION – ELEVATION AND DETAILS
CONSTRUCTION – ELEVATION AND DETAILS

5711-A01
5711-A02



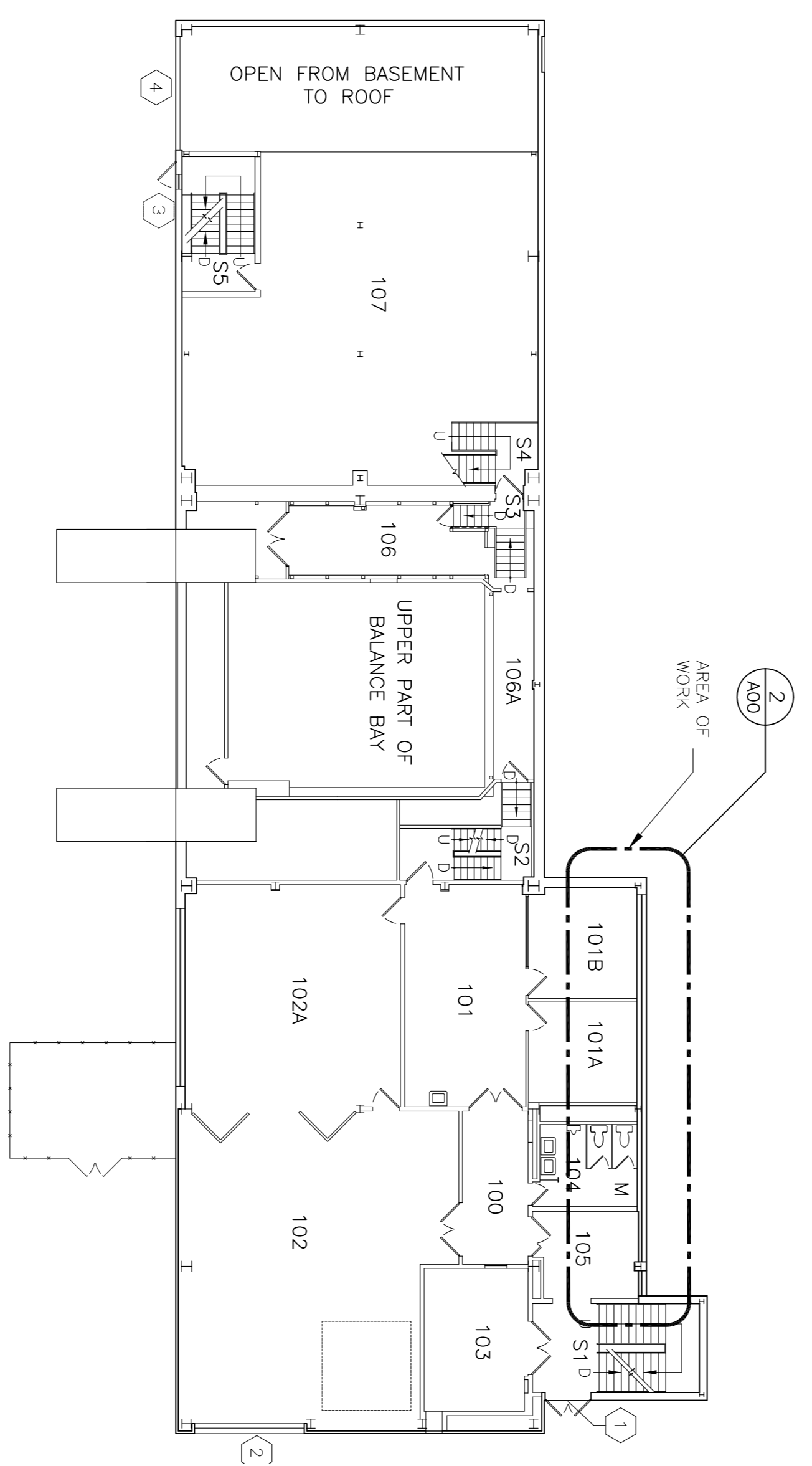
National Research Council Canada
Conseil national de recherches Canada

UPLANDS CAMPUS



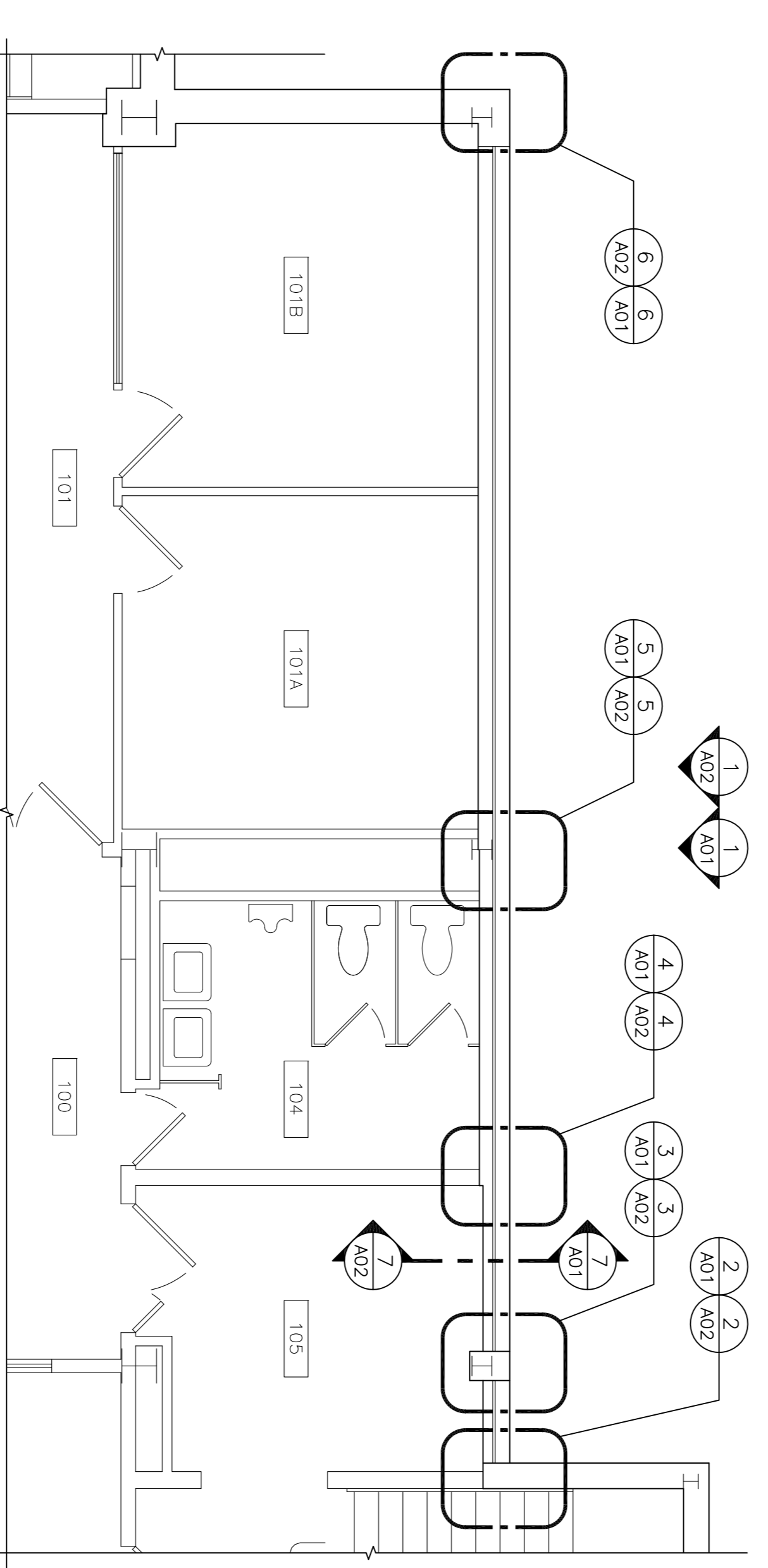
LEGEND

BUS	U41B, U42B
R.P.M.	U41B, U42B
AUTOMOTIVE AND SURFACE TRANSPORTATION	
Vehicle Compound	U44
Storage	U45
Technology	U46
Low Temperature Climate Chamber	U47
Administration / Railway Dynamics	U48
Strength Testing	U49
Shipping and Receiving	U51
AEROSPACE	
Flight Research Laboratory	U51
High Speed Aerodynamics (Wind Tunnel)	U56
Aerodynamics Lab	U47, U48
Low Speed Aerodynamics (Fan Wind Tunnel)	U47, U48
UAV	U70
Urban Control and Environmental Research Center	U72



1 U70 – FIRST FLOOR KEY PLAN (TYP. – 2ND AND 3RD FLOOR SIM)
SCALE = NONE

2 U70 – FIRST FLOOR PARTIAL PLAN (TYP. – 2ND AND 3RD FLOOR SIM)
SCALE = 1:50



GENERAL NOTES

- CONTRACTOR TO VERIFY ALL DIMENSIONS AND CLEARANCES ON SITE PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES AND/OR OMISSIONS TO DEPARTMENTAL REPRESENTATIVE.
- CONTRACTOR MUST VISIT THE SITE AND FULLY FAMILIARIZE THEMSELVES WITH THE SCOPE OF THE WORK PRIOR TO PROJECT COMMENCEMENT.
- ALL TRADES TO COORDINATE WORK ON SITE, WITH APPROVAL OF DEPARTMENTAL REPRESENTATIVE TO AVOID ANY CONFLICTS AND/OR INTERFERENCE.
- ANY AND ALL REQUIRED SHUTDOWNS SHALL BE COORDINATED WITH DEPARTMENTAL REPRESENTATIVE.
- INSTALLATION OF ALL SYSTEMS SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.
- CONTRACTOR TO BE RESPONSIBLE FOR REINSTATEMENT AND REPAIR OF ANY DAMAGE CAUSED BY WORK.
- CONTRACTOR SHALL PREVENT THE SPREAD OF DUST AND DEBRIS BEYOND AREA OF WORK AND CLEAN ALL SURFACES AT COMPLETION.
- PROTECT ALL EXISTING PERIMETER WALLS FOR THE DURATION OF PROJECT. CONTRACTOR TO PROTECT ALL AREAS OUTSIDE THE CONTRACT AREA FROM DEBRIS AND DUST RESULTING FROM DEMOLITION AND TO KEEP SITE CLEAN AND ORGANIZED THROUGHOUT DEMOLITION.
- DO NOT ALTER STRUCTURAL BUILDING ELEMENTS IN ANY WAY. ALL FINISH WORK TO BE PERFORMED AROUND EXISTING STRUCTURE.
- CONTRACTOR TO PATCH, REPAIR AND MAKE GOOD ALL EXISTING GYPSUM BOARD WALLS OR OTHER SURFACES REQUIRING FINISHING, READY FOR PAINT OR OTHER FINISHES REQUIRED. PAINT EXISTING DAMAGED WALLS AFFECTED BY WORK UNDER THIS CONTRACT TO MATCH EXISTING ON ADJACENT WALL SURFACES.
- CONTRACTOR TO COORDINATE EXACT WINDOW QUANTITIES AND LOCATIONS. CONFIRM ALL EXISTING SIZES.

<p>UPLANDS CAMPUS</p> <p>drawing COVER PAGE & KEY PLANS</p>		<p>design</p>	
designed	JDG	comp'd date	8/2020
drawn	JDG	checked	AS NOTED
checked	SMH	approved	ALS
approved	ALS	approved	ALS

<p>U70 WINDOW REPLACEMENT</p> <p>Project</p>		<p>project</p>	
<p>A Detail no. B Location drawing no. C Drawing no.</p>		<p>A B C</p>	
<p>UPLANDS CAMPUS</p>		<p>design no.</p>	
<p>5896-A00</p>		<p>design no.</p>	

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- CONTRACTOR TO COORDINATE EXACT WINDOW QUANTITIES AND LOCATIONS. CONFIRM ALL EXISTING SIZES.

DEMOLITION LEGEND

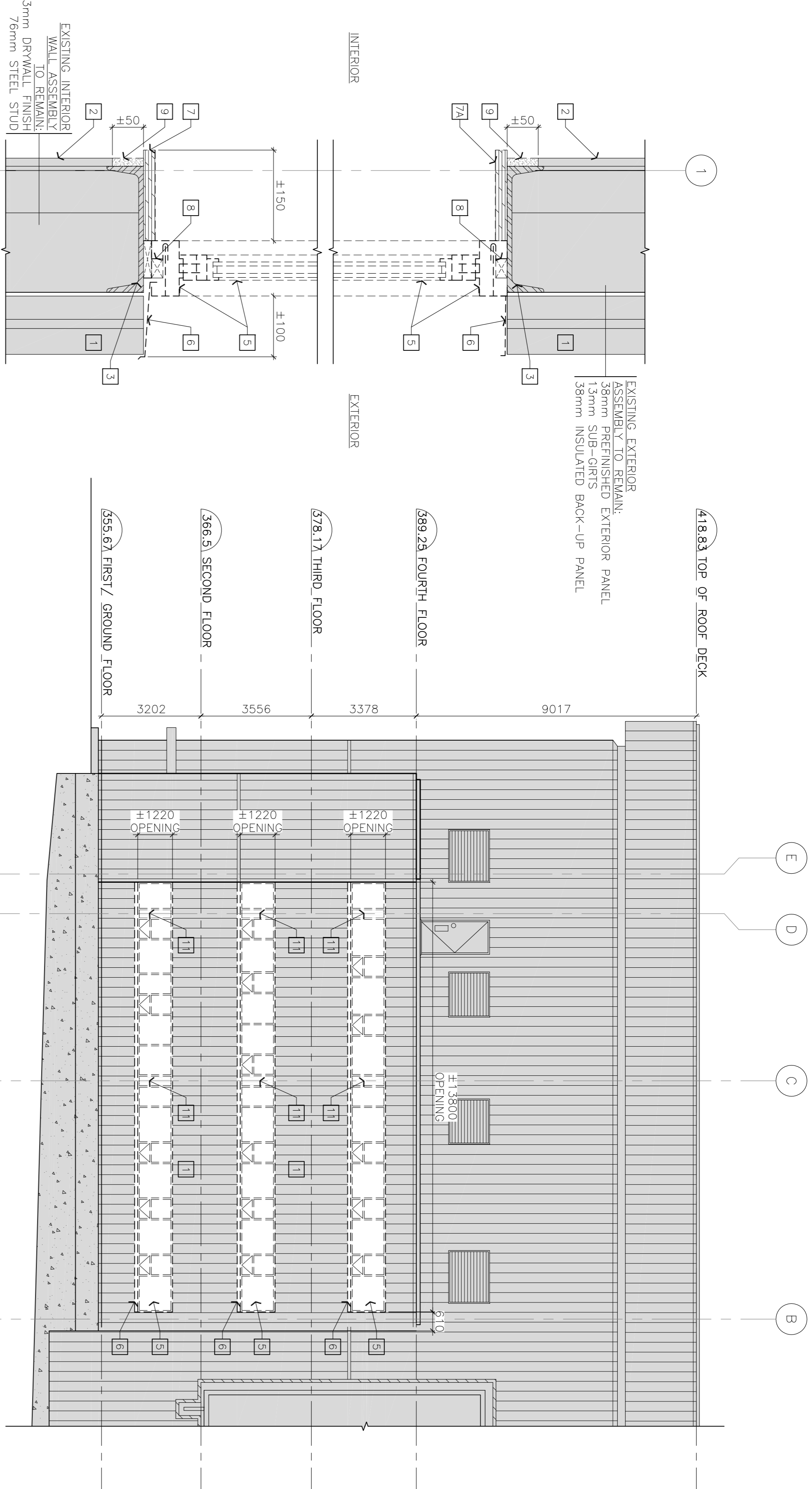
- EXISTING TO REMAIN/ AREA OUT OF CONTRACT
- EXISTING TO BE REMOVED AND DISPOSED OF OFF SITE.

DEMOLITION NOTES SHEET A01 ONLY

- EXISTING INSULATED METAL PANELS TO REMAIN. PROTECT DURING WINDOW REMOVAL. RE-STATE ANY LOOSE OR DAMAGED PANELS.
- EXISTING DRYWALL FINISH TO REMAIN. PROTECT DURING REMOVALS.
- EXISTING STEEL "C" CHANNEL TO REMAIN. PROTECT THROUGHOUT DEMOLITION. PREPARE AND CLEAN TOP SURFACE OF ANY RUST OR DEBRIS FOR THE INSTALLATION OF THE NEW WINDOW SYSTEM. PRIME AND COAT WITH RUST INHIBITOR PAINT.
- EXISTING "I" BEAM TO REMAIN.
- REMOVE EXISTING WINDOW ASSEMBLY INCLUDING METAL FRAME, FLASHING, GLAZING, SILL AND ALL EXISTING WOOD BLOCKING/ SHIMMING, UNLESS OTHERWISE NOTED.
- REMOVE EXISTING METAL FLASHING AND ASSOCIATED CLIPS AND CAULKING.
- REMOVE EXISTING PLASTIC LAMINATE ON 19mm PLYWOOD WINDOW SILL TO EXPOSE TOP OF EXISTING STEEL "C" CHANNEL.
- REMOVE EXISTING WOOD TRIM.
- REMOVE EXISTING WOOD BLOCKING AND FURRING.
- REMOVE EXISTING DRYWALL FINISH AS INDICATED TO MAKE WAY FOR REMOVAL OF WINDOW. REMOVE ALL ASSOCIATED CAULKING.
- REMOVE EXISTING DRYWALL FINISH AS INDICATED TO EXPOSE TOP OF EXISTING STEEL "C" CHANNEL.
- REMOVE EXISTING SPANDREL PANEL.

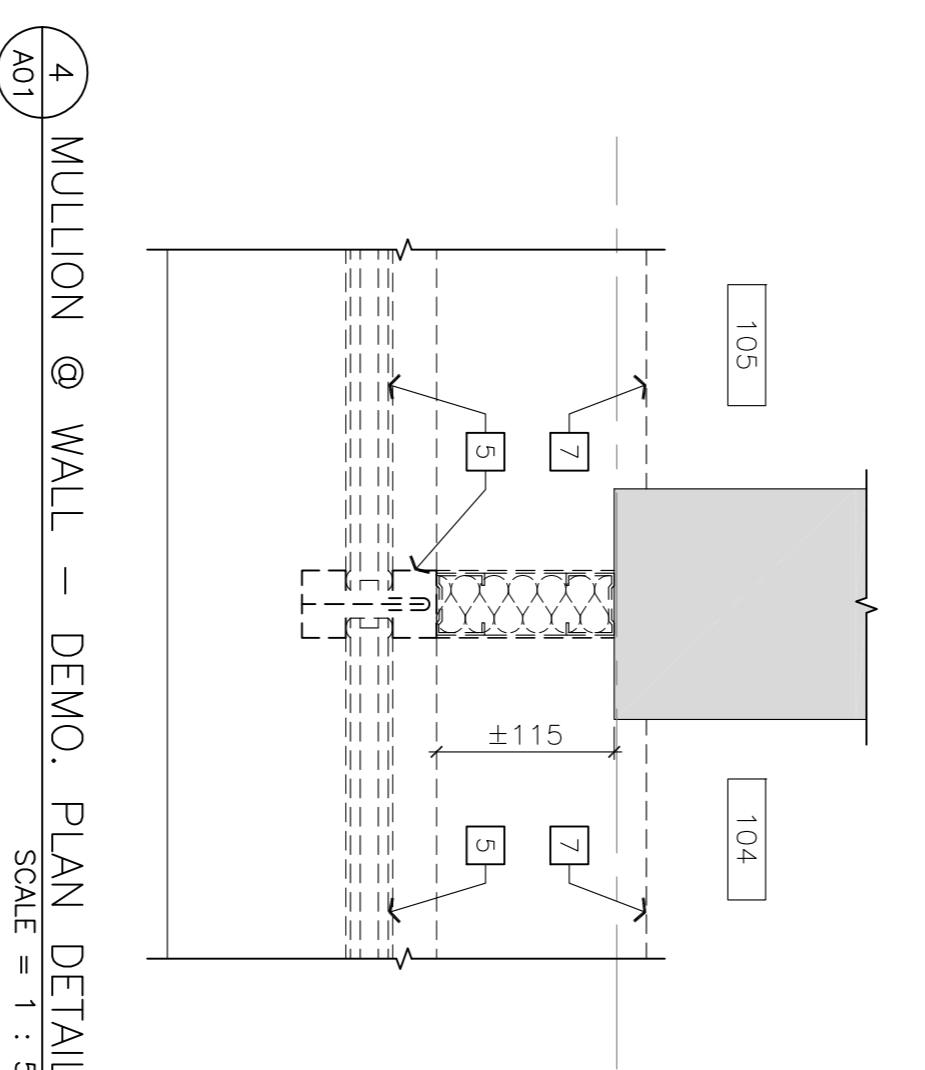
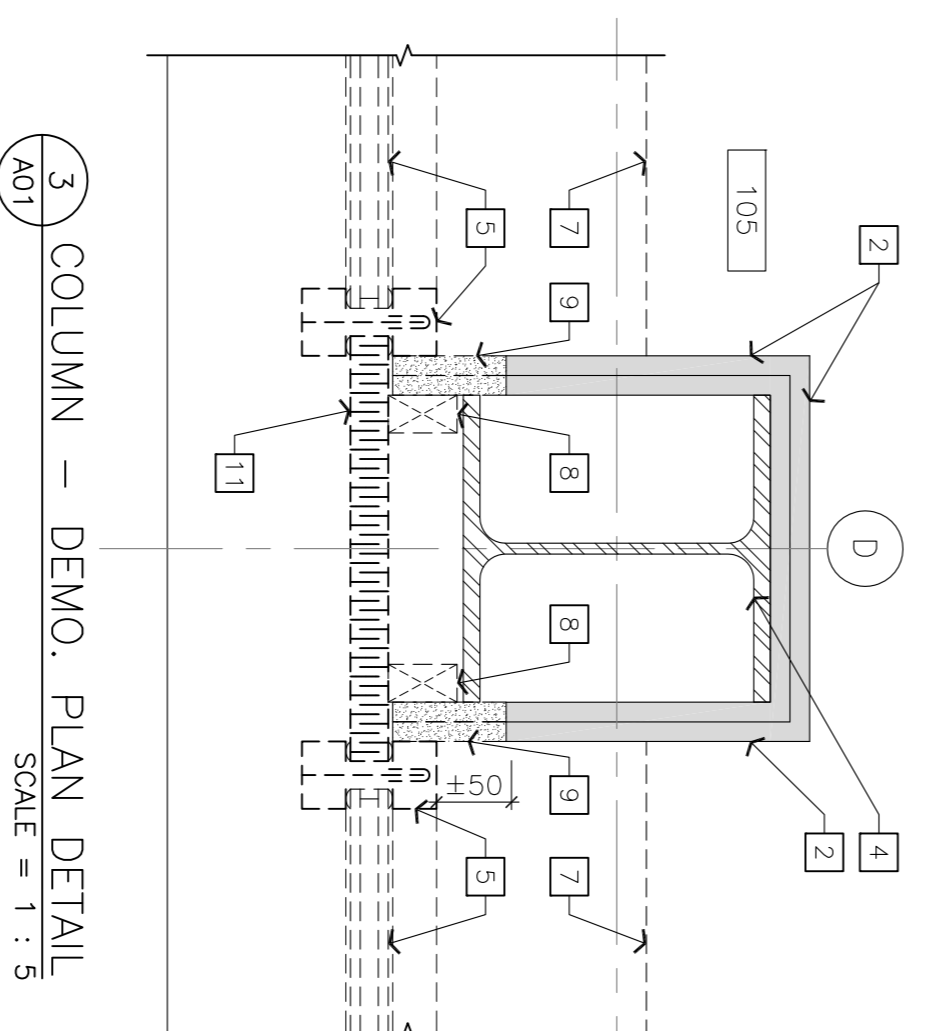
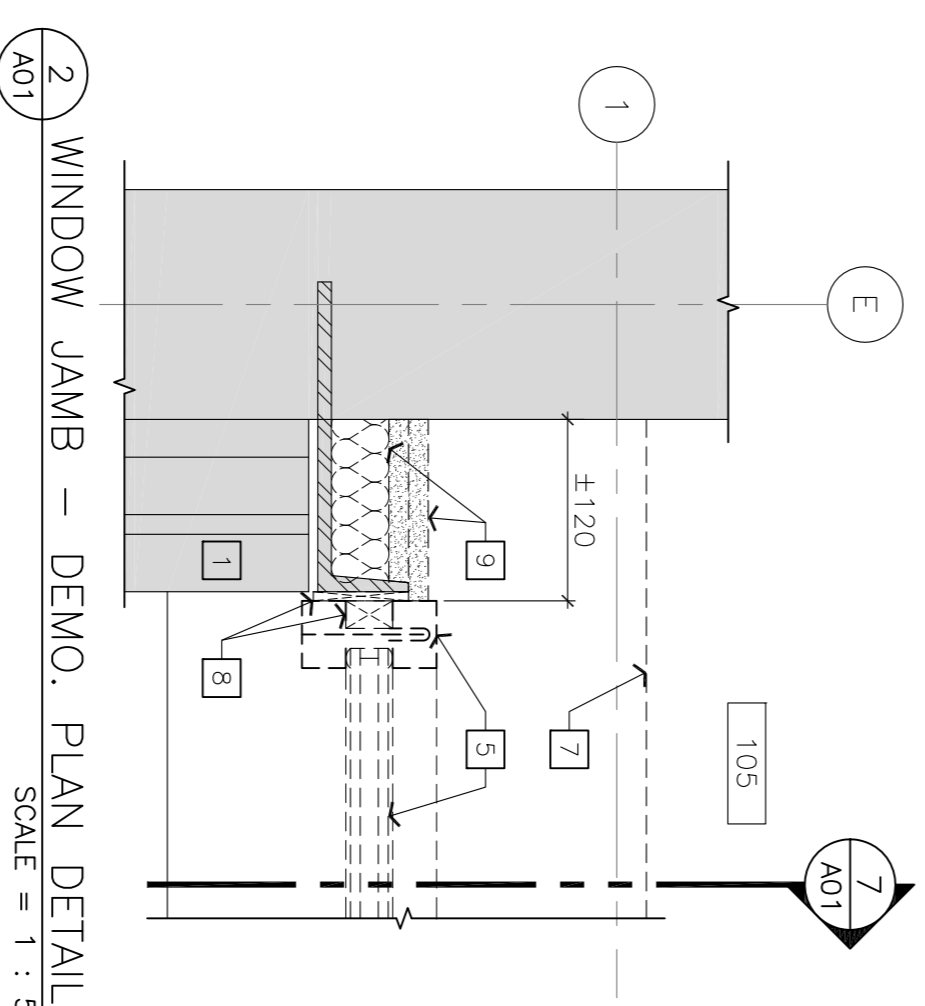
DEMOLITION GENERAL NOTE:

- REMOVE AND REINSTATE ALL WINDOW BLINDS WITHIN SCOPE OF WORK, AND STORE FOR REINSTATEMENT IN PREVIOUSLY EXISTING LOCATION.



7 WINDOW HEAD AND SILL – DEMO. SECTION DET. SCALE = 1 : 5

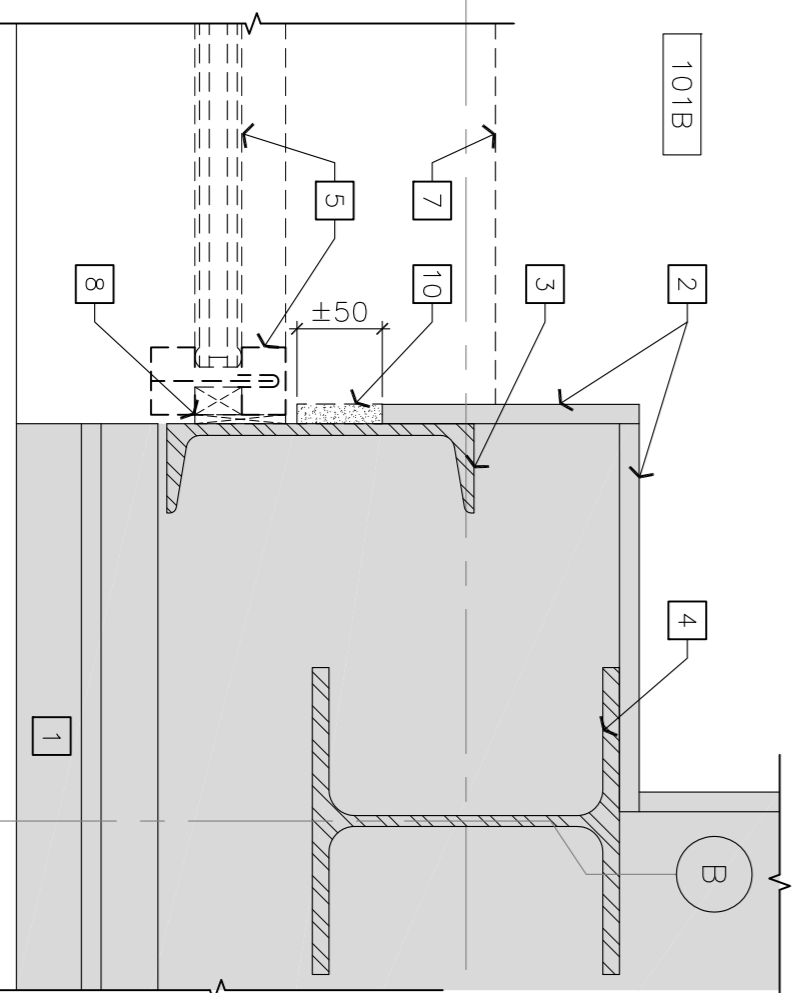
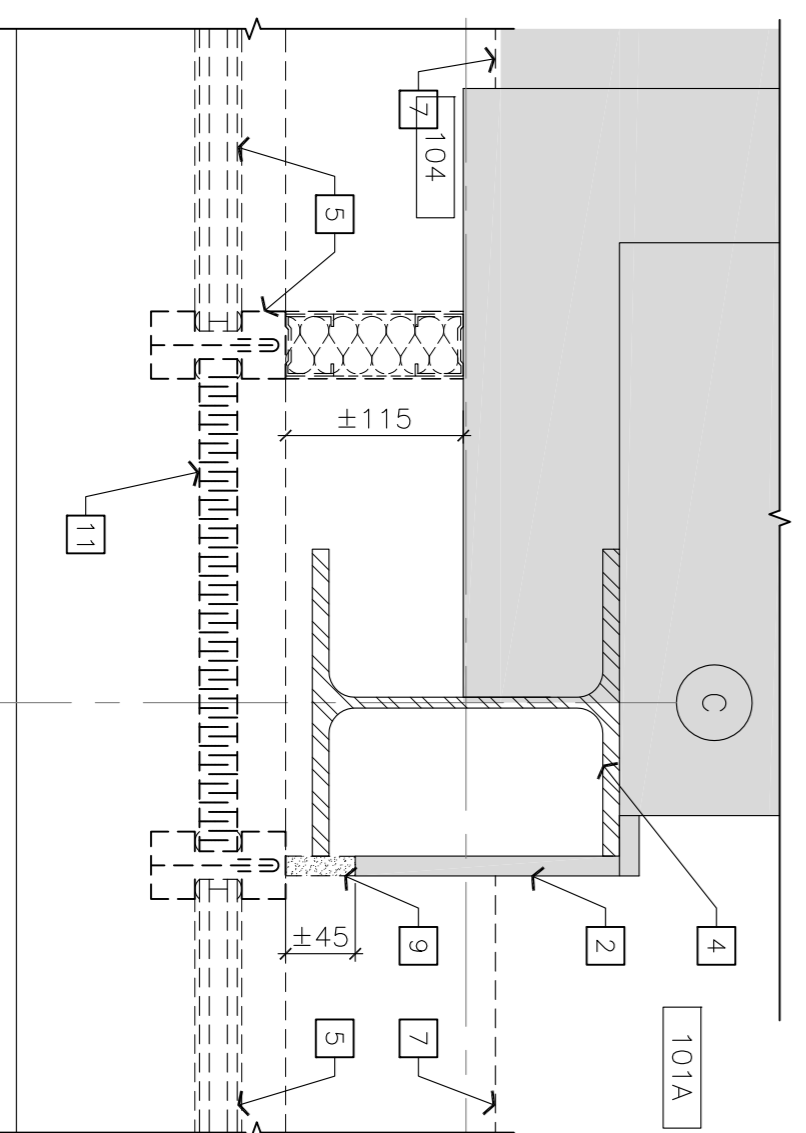
1 EAST EXTERIOR WALL – PARTIAL DEMOLITION ELEVATION SCALE = 1 : 50



2 WINDOW JAMB – DEMO. PLAN DETAIL SCALE = 1 : 5

3 COLUMN – DEMO. PLAN DETAIL SCALE = 1 : 5

4 MULLION @ WALL – DEMO. PLAN DETAIL SCALE = 1 : 5



5 COLUMN – DEMO. PLAN DETAIL SCALE = 1 : 5

6 WINDOW JAMB – DEMO. PLAN DETAIL SCALE = 1 : 5

Project: U70 WINDOW REPLACEMENT

UPLANDS CAMPUS

drawing: DEMOLITION - ELEVATION AND DETAILS

designed	JDG	date	8/2020
drawn	JDG	scale	AS NOTED
checked	SMH	sheet	2 of/de 3
approved	ALS	W.O. no.	

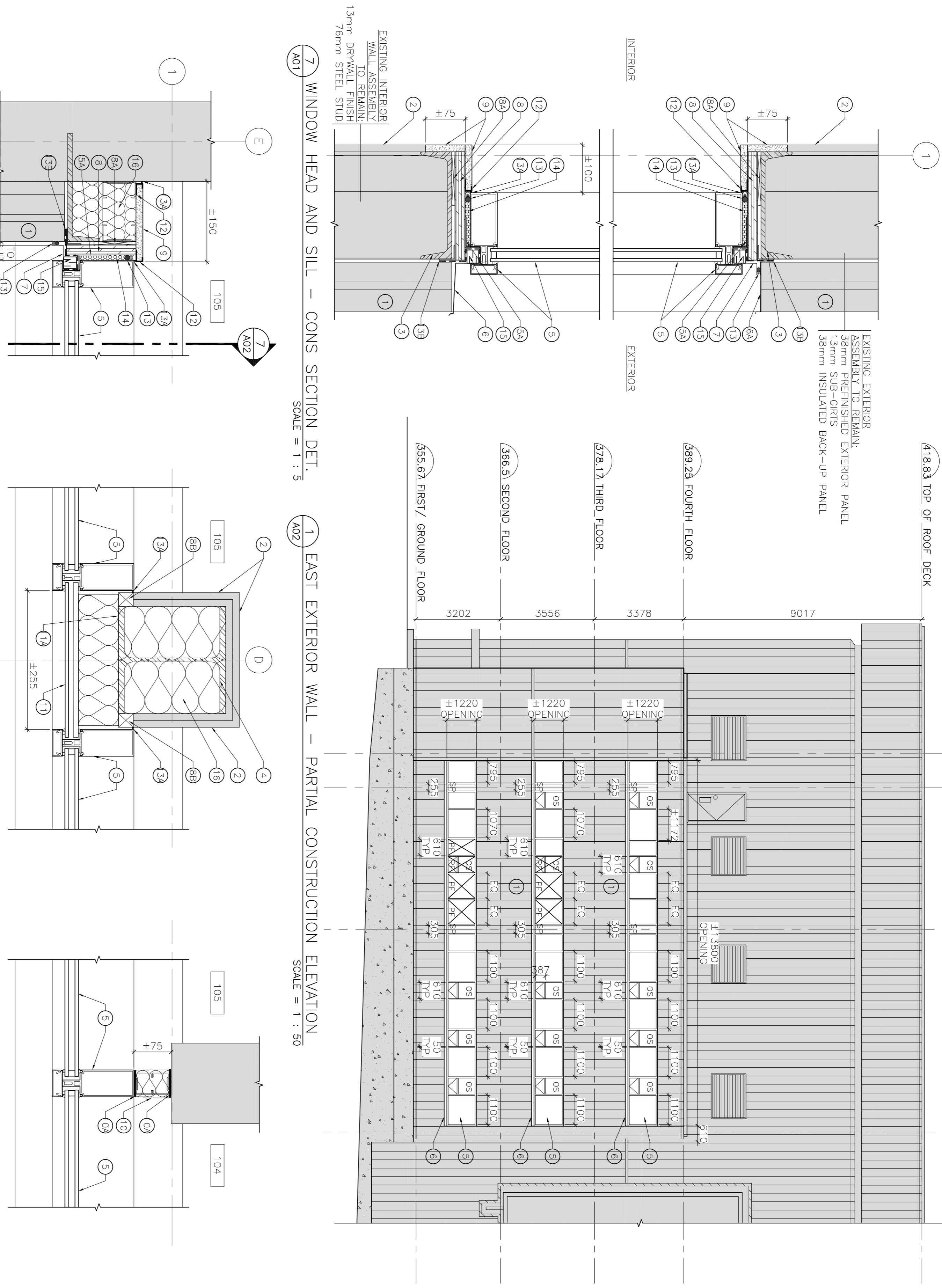
design no. 5896-A01

design no. FICHER CMOJ

GENERAL NOTES

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- CONTRACTOR TO COORDINATE EXACT WINDOW QUANTITIES AND LOCATIONS, CONTRAST ALL EXISTING OPENING SIZES, AND REPORT ANY DISCREPANCIES TO DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES.

- CONSTRUCTION LEGEND**
- EXISTING TO REMAIN/ AREA OUT OF CONTRACT
 - EXISTING TO BE REMOVED AND DISPOSED OF OFF SITE.
 - PRIVACY FILM (INTERIOR SIDE ONLY).
 - OPERABLE SASH WINDOW.
 - SPANDREL PANEL.
- CONSTRUCTION NOTES**
- EXISTING INSULATED METAL PANELS TO REMAIN. PROTECT DURING WINDOW REMOVAL. REINSTATE ANY LOOSE OR DAMAGED PANELS.
 - EXISTING DRYWALL FINISH TO REMAIN.
 - EXISTING STEEL "C" CHANNEL TO REMAIN
 - EXISTING "I" BEAM TO REMAIN.
 - NEW ANODIZED ALUMINUM WINDOW CURTAIN WALL WINDOW FRAMING SYSTEM COMPLETE WITH GLAZING SPULGERS, THERMAL BREAK, PRESSURE PLATE, SAMP ON CURTAIN GLASS UNIT AND SASH. REFER TO SPECIFICATIONS. TYPICAL COLOR: BLACK FINISH AS INDICATED. FASTEN @ 610mm ON CENTER INTO CURTAIN WALL FRAME AND SUBSTRATE (TYP.)
 - NEW ANODIZED BLACK ALUMINUM SILL FLASHING COMPLETE WITH DRIP EDGE. PROVIDE UPTURN FLASHING AT ENDS.
 - FORN AND PROVIDE NEW CONTINUOUS ANODIZED (COLOUR TO MATCH CURTAIN WALL FRAME) 2mm ALUMINUM "I" TRIM. SEE SPECIFICATIONS. TYPICAL FOR ALL HEADS, JAMBS & SILLS OF CURTAIN WALL. ALL TRIMS TO BE ONE PIECE PER SIDE.
 - NEW 16mm PLYWOOD LINER IN SIZE TO SUIT. FASTEN @ 610mm ON CENTER TO SUBSTRATE (TYP.).
 - PROVIDE WOOD BLOCKING AS REQUIRED.
 - NEW 13mm GYPSUM WALL BOARD FILLER PANEL. NEW WORK TO BLEND WITH EXISTING CONDITION. NOTIFY NRC DEPARTMENT REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN FINISHES. REPAIR AND MAKE GOOD. TAPE, SAND AND PAINT AS REQUIRED, WITH 2 COATS OF PRIMER AND 2 COATS OF FINISHING PAINT. COLOR TO MATCH EXISTING ADJACENT WALL. (TYP.)
 - FRAMED INSULATED PREFINISHED ALUMINUM PANEL CLOSURE BOTH SIDES. (COLOUR TO MATCH CURTAIN WALL FRAME).
 - NEOPRENE GASKET WITH ADHESIVE BOTH SIDES.
 - NEW ANODIZED BLACK ALUMINUM FRONT CLOSURE PANEL SECURED IN PLACE.
 - NEW INSULATED CLEAR ALUMINUM BACK PAN AND CLOSURE PANEL.
 - NEW CONTINUOUS "L" SHAPED METAL TRIM STOPPER (CGC NO. 200-B) AT PERIMETER.
 - NEW CONTINUOUS BEAD OF CAULKING AND COMPLETE WITH BACKER ROD. (TYP.)
 - NEW CONTINUOUS BEAD OF SILICONE CAULKING AT PERIMETER. SEE SPECIFICATIONS (TYP.).
 - NEW BEAD OF BITUMINOUS CAULKING TO SEAL AIR/ VAPOUR BARRIER TO SUBSTRATE (TYP.).
 - PROVIDE SHIM AS REQUIRED BY CURTAIN WALL. FILL SHIM SPACE WITH CLOSED CELL SPRAY FOAM INSULATION (TYP.).
 - NEW CONTINUOUS RIGID INSULATION FILLER WITH SELF ADHESIVE AIR/ VAPOUR BARRIER STRIP BEHIND TO SEAL CURTAIN WALL FRAME TO SUBSTRATE. REFER TO SPECIFICATIONS. (TYP.)
 - FILL ENTIRE CAVITY WITH NEW SEMI RIGID INSULATION. PROVIDE STEEL STUDS AS REQUIRED.



7 WINDOW HEAD AND SILL – CONS SECTION DET. SCALE = 1 : 5

1 EAST EXTERIOR WALL – PARTIAL CONSTRUCTION ELEVATION SCALE = 1 : 50

2 WINDOW JAMB – CONS. PLAN DETAIL SCALE = 1 : 5

3 COLUMN – CONS. PLAN DETAIL SCALE = 1 : 5

4 MULLION @ WALL – CONS. PLAN DETAIL SCALE = 1 : 5

5 COLUMN – CONS. PLAN DETAIL SCALE = 1 : 5

6 WINDOW JAMB – CONS PLAN DETAIL SCALE = 1 : 5

CONSTRUCTION GENERAL NOTES:

A. REINSTATE ALL WINDOW BLINDS IN PREVIOUSLY EXISTING LOCATION.

A		A	
C		B C	

A: Detail no.
 B: Location drawing no.
 C: Drawing no.
 A: Detail no.
 B: Location drawing no.
 C: Drawing no.

UPLANDS CAMPUS

Project: U70 WINDOW REPLACEMENT

Drawing: DEMOLITION - ELEVATION AND DETAILS

designed	JDG	date	8/2020
drawn	JDG	scale	AS NOTED
checked	SMH	sheet	3 of/de 3
approved	ALS	W.D.no.	