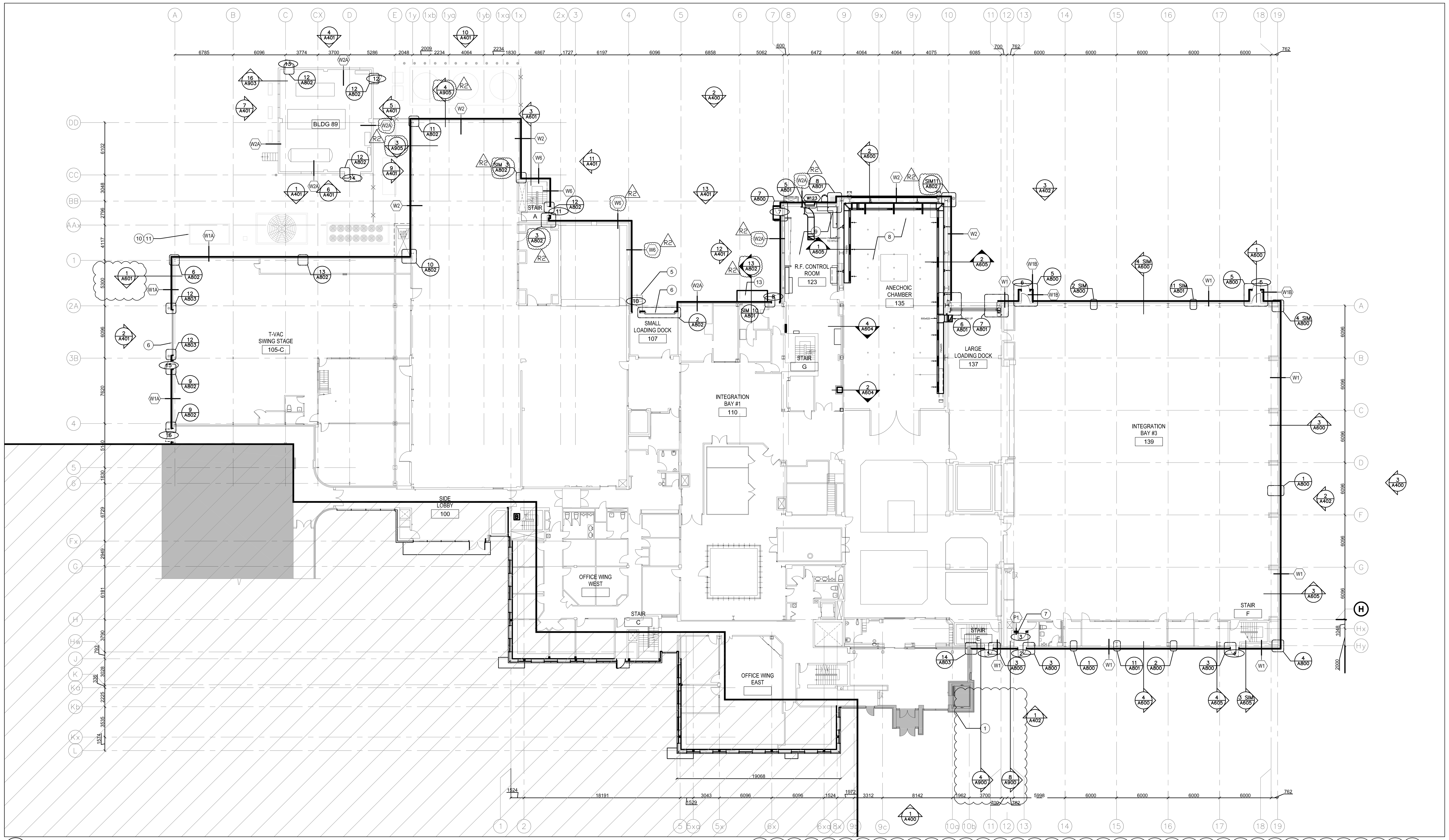

1 / A100 — GROUND FLOOR PLAN
SCALE / ECHELLE - 1:200

DRAWING NOTES:

1. EXISTING FRONT ENTRANCE TO REMAIN
2. EXTENDED STRUCTURE ABOVE
3. EXTEND EXISTING WALLS TO NEW EXTERIOR FACE. MATCH EXISTING CONSTRUCTION. PAINT FINISH
4. NEW OVERHEAD ROLLER DOOR AND TRACKS
5. RE-PAINT EXISTING METAL STAIRS
6. RE-PAINT EXISTING OVERHEAD DOOR
7. NEW WALL AND DOOR LOCATION
8. INTERIOR ANECHOIC CHAMBER WORK UNDER SEPERATE SCOPE
9. INTERIOR RF CONTROL ROOM WORK UNDER SEPERATE SCOPE
10. RELOCATED MECHANICAL UNIT. REFER MECH DRAWINGS
11. NEW CONCRETE PAD FOR RELOCATED MECHANICAL UNIT. REFER MECH DRAWINGS
12. NEW CARPET FLOORING AND UNDERLAY
13. INFILL SHAFT AREA
14. AMC PANEL PLACEMENT

WALL TYPES

EXTERIOR FOUNDATION

TAG	TYPE	CONSTRUCTION	RATING
W1		• A/V BARRIER FLUID APPLIED MEMBRANE WITH COMPATIBLE SHEET MEMBRANE TRANSITIONS AT ALL SEAMS AND PENETRATIONS • C 100 x 9 CHANNELS BOLTED TO EXISTING WIND GIRTS THRU LINER PANEL @900 O/C • 102 Z GIRTS 16 GAUGE @ 425 o/c • ALIGN GIRTS WITH PANEL JOINTS AS SHOWN ON ELEVATIONS AND COORDINATE WITH PLACEMENT OF NEW STRUCTURAL MEMBERS. • 102 DUAL DENSITY MINERAL WOOL INSULATION BOARD BETWEEN CHANNELS + 64 DUAL DENSITY MINERAL WOOL INSULATION BOARD OVERLAPPED ACROSS CHANNELS • 54 ALUMINUM COMPOSITE PANEL SYSTEM	
W1A		• A/V BARRIER FLUID APPLIED MEMBRANE WITH COMPATIBLE SHEET MEMBRANE TRANSITIONS AT ALL SEAMS AND PENETRATIONS • C 100 x 9 CHANNELS BOLTED TO EXISTING WIND GIRTS THRU LINER PANEL @1220 O/C • 102 Z GIRTS 16 GAUGE @ 425 o/c • ALIGN GIRTS WITH PANEL JOINTS AS SHOWN ON ELEVATIONS AND COORDINATE WITH PLACEMENT OF NEW STRUCTURAL MEMBERS. • 102 DUAL DENSITY MINERAL WOOL INSULATION BOARD BETWEEN CHANNELS + 64 DUAL DENSITY MINERAL WOOL INSULATION BOARD OVERLAPPED ACROSS CHANNELS • 54 ALUMINUM COMPOSITE PANEL SYSTEM	
W1B		• A/V BARRIER SELF ADHEARING SHEET MEMBRANE TO EXISTING MASONRY • 51 Z GIRTS 16 GAUGE @ 425 o/c • ALIGN GIRTS WITH PANEL JOINTS AS SHOWN ON ELEVATIONS AND COORDINATE WITH PLACEMENT OF NEW STRUCTURAL MEMBERS. • 51 RIGID INSULATION • 54 ALUMINUM COMPOSITE PANEL SYSTEM	
W2		• A/V BARRIER FLUID APPLIED MEMBRANE WITH COMPATIBLE SHEET MEMBRANE TRANSITIONS AT ALL SEAMS AND PENETRATIONS • C 100 x 9 CHANNELS BOLTED TO EXISTING WIND GIRTS THRU LINER PANEL @ 900 O/C • 102 Z GIRTS 16 GAUGE @ 2000 O.C. • 102 DUAL DENSITY MINERAL WOOL INSULATION BOARD BETWEEN CHANNELS + 64 DUAL DENSITY MINERAL WOOL INSULATION BOARD OVERLAPPED ACROSS CHANNELS • 38 PROFILED METAL PANELS	
W2A		• A/V BARRIER FLUID APPLIED MEMBRANE WITH COMPATIBLE SHEET MEMBRANE TRANSITIONS AT ALL SEAMS AND PENETRATIONS • 127 Z GIRTS 16 GAUGE BOLTED TO EXISTING WIND GIRTS THRU LINER PANEL @ 2000 o/c. • 127 DUAL DENSITY MINERAL WOOL INSULATION BOARD • 38 PROFILED METAL PANELS	
W2B		• EXISTING STEEL STUD WALL • NEW 16MM EXTERIOR GYPSUM SHEATHING • A/V BARRIER SELF ADHEARING SHEET MEMBRANE • 127 Z GIRTS 16 GAUGE @ 425 o/c • ALIGN GIRTS WITH PANEL JOINTS AS SHOWN ON ELEVATIONS AND COORDINATE WITH PLACEMENT OF NEW STRUCTURAL MEMBERS. • 127 DUAL DENSITY MINERAL WOOL INSULATION BOARD • 38 PROFILED METAL PANELS	
W2C		• A/V BARRIER FLUID APPLIED MEMBRANE WITH COMPATIBLE SHEET MEMBRANE TRANSITIONS AT ALL SEAMS AND PENETRATIONS • C 100 x 9 CHANNELS BOLTED TO EXISTING WIND GIRTS THRU LINER PANEL @1220 O/C • 102 Z GIRTS 16 GAUGE @ 425 o/c • GIRTS AT PANEL JOINTS AND STRUCTURAL PLACEMENT. • 102 DUAL DENSITY MINERAL WOOL INSULATION BOARD BETWEEN CHANNELS + 64 DUAL DENSITY MINERAL WOOL INSULATION BOARD OVERLAPPED ACROSS CHANNELS • 38 PROFILED METAL PANELS	
W3			
W4		• THERMALLY BROKEN ALUM. CURTAINWALL C/W SPANDREL PANELS	
W5		• EXISTING MASONRY WALL • 25MM HSS SUPPORT FRAMING • 3MM STEEL PLATE • ALL JOINTS WELDED AND SEALED	
W6		• AV BARRIER SELF ADHEARING SHEET MEMBRANE TO EXISTING MASONRY • 127 Z GIRTS 16 GAUGE @ 2000 O.C. • 127 DUAL DENSITY MINERAL WOOL INSULATION BOARD • 38 PROFILED METAL PANELS	

3 / A100 — WALL TYPES
SCALE / ECHELLE - N.T.S.

WALL TYPES

EXTERIOR FOUNDATION

TAG	TYPE	CONSTRUCTION	RATING
W7			

WALL TYPES

INTERIOR WALLS

TAG	TYPE	CONSTRUCTION	RATING
P1		• 16MM GYPSUM BOARD TYPE X BOTH SIDES • 92MM METAL STUDS @ 400 O.C. PAINT FINISH	1 HR W453
P1A		• 16MM GYPSUM BOARD ONE SIDE • 92MM METAL STUDS @ 400 O.C. • PAINT FINISH	
P2		• 3mm STEEL PLATE FASTENED TO FRAMING, HSS OR STUDS. ALL SEAMS TAPED. • REFER STRUCTURAL DRAWINGS.	
P3		• 3mm STEEL PLATE FASTENED TO FRAMING, ALL SEAMS TAPED. REFER STRUCTURAL DRAWINGS. • 16MM GYPSUM FIRECORE PANELS • 64MM C-H CHANNELS • 25MM GYPSUM LINER PANEL	1 HR W452 SYSTEM A
P3A		• 16MM GYPSUM FIRECORE PANELS • 64MM C-H CHANNELS • 25MM GYPSUM LINER PANEL	1 HR W452 SYSTEM A

ROOF CONSTRUCTION

TAG	TYPE	CONSTRUCTION
R1		• 13MM EXTERIOR GYPSUM SHEATHING • VAPOUR BARRIER • 127MM POLYISOCYANURATE INSULATION • TAPERED INSULATION TO ACHIEVE MIN 1% • 6MM ASPHALT BASED OVERLAY BOARD • 1-PLY MODIFIED BITUMEN BASE SHEET MEMBRANE • 1-PLY MODIFIED BITUMEN CAP SHEET MEMBRANE
R2		• EXISTING ROOF STRUCTURE • 13mm ROOF SHEATHING • VAPOUR BARRIER • 75mm RIGID INSULATION • 6mm PROTECTION BOARD • 1-PLY MODIFIED BITUMEN BASE SHEET MEMBRANE • 1-PLY MODIFIED BITUMEN CAP SHEET MEMBRANE
R3		• PRE-FINISHED METAL ROOF PANELS ON EXISTING METAL CLIPS • A/V BARRIER AT ALL SEAMS AND PENETRATIONS • EXISTING METAL LINER PANEL
R4		• EXISTING ROOF STRUCTURE • 13mm ROOF SHEATHING • VAPOUR BARRIER • RIGID INSULATION - ALIGN TO EXISTING • TAPERED INSULATION - ALIGN TO EXISTING • 6mm PROTECTION BOARD • 2 PLY MODIFIED BITUMEN ROOF MEMBRANE - TIE NEW MEMBRANE INTO EXISTING.

LEGEND:

- EXISTING CONSTRUCTION TO REMAIN
- AREAS NOT IN SCOPE

Public Works and Governement Services Canada — Travaux publics et services gouvernementaux Canada

Canadian Space Agency — Agence spatiale canadienne

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COLE+Associates ARCHITECTS INC

No.	Revision	Date
5.	ISSUED FOR ADDENDUM #2	2016.08.05
4.	ISSUED FOR ADDENDUM #1	2016.07.26
3.	ISSUED FOR TENDER	2016.05.01
2.	ISSUED FOR 99% REVIEW	2016.02.02
1.	ISSUED FOR 66% REVIEW	2015.11.17

ONTARIO ASSOCIATION OF ARCHITECTS
DINO DI SANO
LICENCE
7209
PROFESSIONAL STAMP

A detail no. / no. du detail
B location drawing no. / sur dessin no.
C drawing no. / dessin no.

project / projet
DAVID FLORIDA LABORATORY
BUILDING No. 65, SHIRLEY'S BAY, ONTARIO

BUILDING ENVELOPE REFIT PROJECT

drawing / dessin
GROUND FLOOR PLAN

designed	D.S./S.J	concu
date	04-08-2016	
drawn	B.H/M.B	dessine
date	04-08-2016	
reviewed	B.H.	examine
date	04-08-2016	
approved	D.S.	approuve
date	04-08-2016	
scale	as noted	
project no.	CSA15-G1	no. du projet
drawing no.	A-100	no. du desin