



TAL-CO SUPPLEMENTAL INSTRUCTION #28			
Project Name:	RW TOMLINSON - NEW HEAD OFFICE		
Project Location:	100 City Gate Drive, Ottawa, Ontario		
ARCH. SI #:	Various, see below	Issued By:	Chris Simpson
STRUC. SI #:	N/A	Date Issued:	February 13, 2016
MECH. SI #:	N/A	Revision #:	N/A
ELEC. SI #:	N/A	Revision Date:	N/A

Supplemental Instructions are issued by the Construction Manager to record a clarification or revision to the previously issued Contact Documentation as reflected by the attached information prepared by the identified Professionals.

The Construction Manager shall review the Supplemental Instruction and the attached information and issue to the affected Trade Contractors identifying the following course of action by the Trade Contractor.

Notify TAL-CO within 5 days of receipt, if the attached documents will require a change to Contract Price or Schedule.

**Title:** Revisions to curtain wall details.

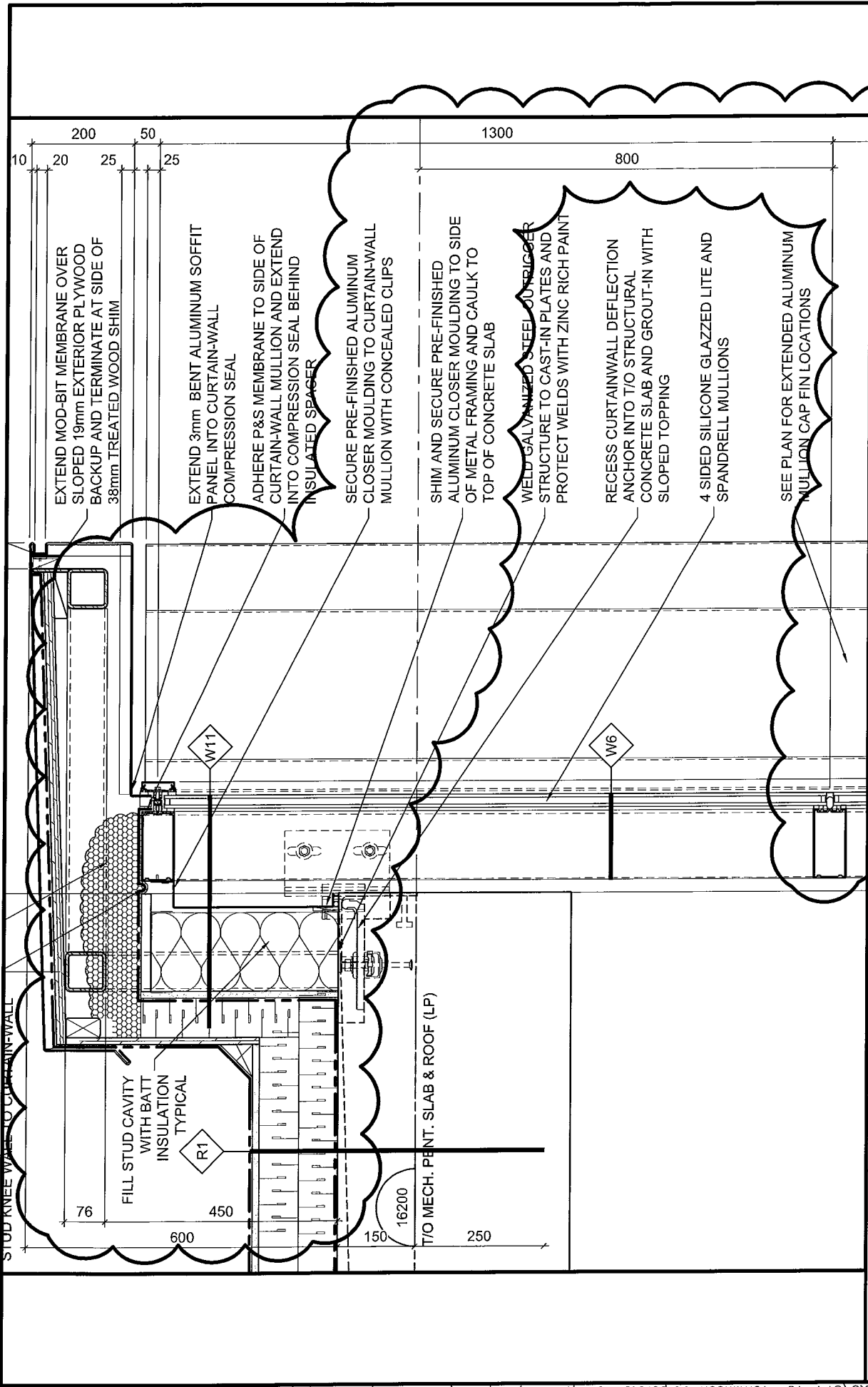
**Reference:** Architectural - Construction Update Drawings - Dated 2-Feb-2017

**Attachments:**

- |        |        |
|--------|--------|
| ASK-73 | ASK-81 |
| ASK-74 | ASK-82 |
| ASK-75 | ASK-83 |
| ASK-76 | ASK-84 |
| ASK-77 | ASK-85 |
| ASK-78 | ASK-86 |
| ASK-79 | ASK-87 |
| ASK-80 | ASK-88 |

**Description of the Work:** ASK's Issued during the course of curtain wall shop drawing review for design co-ordination purposes.

**Reason:** The attached ASK's are to confirm minor detail changes related to the curtain wall system for use by the curtain wall contractor in completing their shop drawings. All other trades are to co-ordinate with these details as required for their own work.



EXTEND MOD-BIT MEMBRANE OVER SLOPED 19mm EXTERIOR PLYWOOD BACKUP AND TERMINATE AT SIDE OF 38mm TREATED WOOD SHIM

EXTEND 3mm BENT ALUMINUM SOFFIT PANEL INTO CURTAIN-WALL COMPRESSION SEAL

ADHERE P&S MEMBRANE TO SIDE OF CURTAIN-WALL MULLION AND EXTEND INTO COMPRESSION SEAL BEHIND INSULATED SPACER

SECURE PRE-FINISHED ALUMINUM CLOSER MOULDING TO CURTAIN-WALL MULLION WITH CONCEALED CLIPS

SHIM AND SECURE PRE-FINISHED ALUMINUM CLOSER MULDING TO SIDE OF METAL FRAMING AND CAULK TO TOP OF CONCRETE SLAB

WELD GALVANIZED STEEL JOINT BRIGER STRUCTURE TO CAST-IN PLATES AND PROTECT WELDS WITH ZINC RICH PAINT

RECESS CURTAINWALL DEFLECTION ANCHOR INTO T/O STRUCTURAL CONCRETE SLAB AND GROUT-IN WITH SLOPED TOPPING

4 SIDED SILICONE GLAZED LITE AND SPANDRELL MULLIONS

SEE PLAN FOR EXTENDED ALUMINUM MULLION CAP FIN LOCATIONS

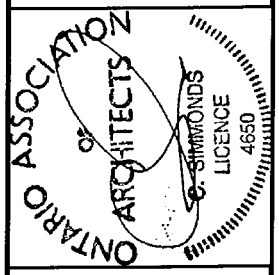
FILL STUD CAVITY WITH BATT INSULATION TYPICAL

T/O MECH. PENT. SLAB & ROOF (LP)

DATE:	2017/02/09
SCALE:	1:10
DRAWN BY:	JK
JOB No:	574-15
DRAWING No:	ASK-73

PROJECT: TOMLINSON NEW BUILDING

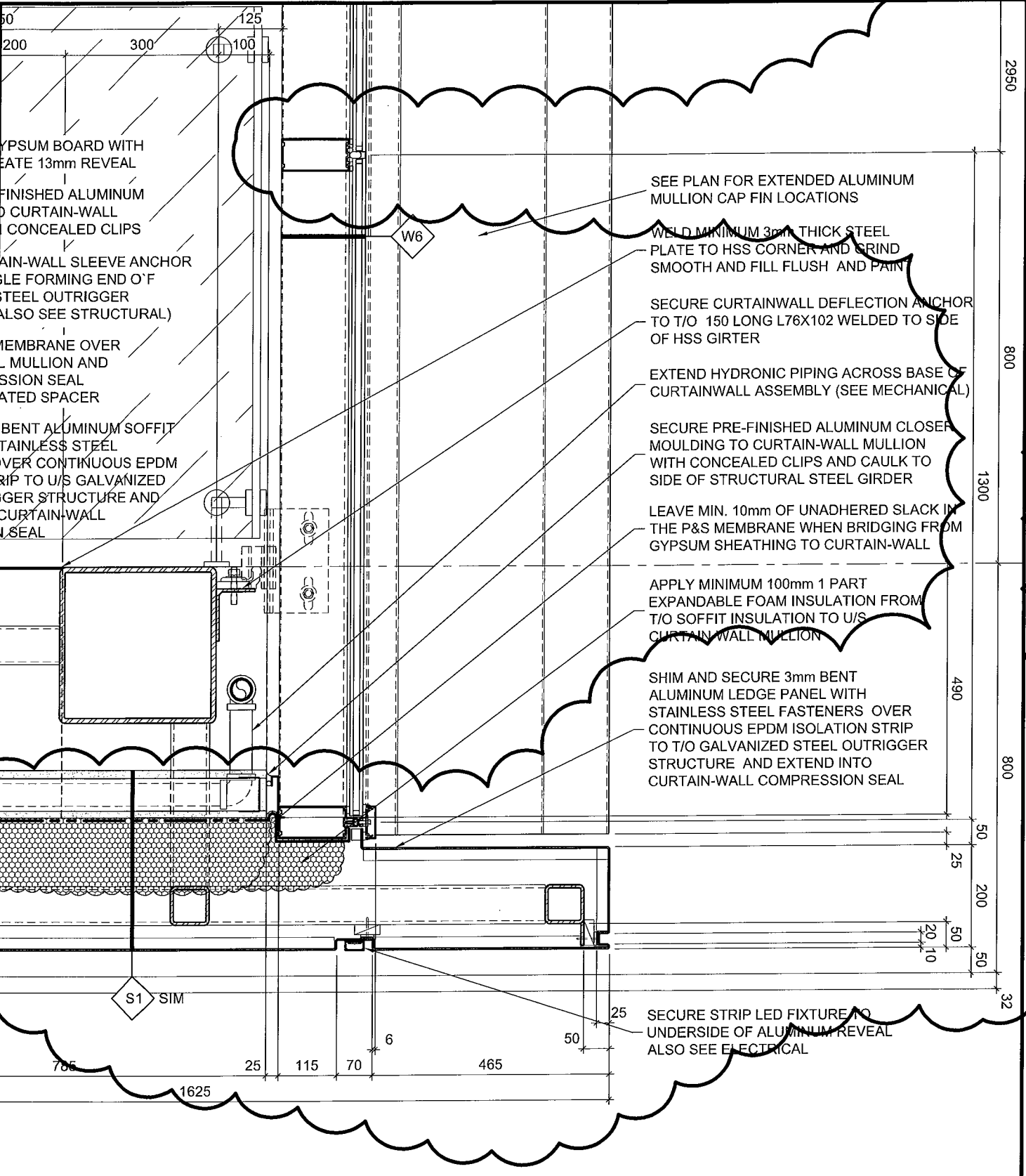
DRAWING TITLE: REFERENCE PART DETAIL 3/A601



**Christopher Simmonds**  
Architect

THE ANNEX / 480 CECIL ST. OTTAWA ON K1M 1A5  
613.567.7888 PHONE / 613.567.7528 FAX  
csa@csaarch.com

S:\CSA Jobs\2015 Projects\574-15 Tomlinson Corporate Headquarters, Nepean\03 Working Drawings\0-Sheets\574-15-A601.dwg



GYPSUM BOARD WITH  
 GROUT AND 13mm REVEAL  
 FINISHED ALUMINUM  
 CURTAIN-WALL  
 CONCEALED CLIPS  
 CURTAIN-WALL SLEEVE ANCHOR  
 WELD FORMING END OF  
 STEEL OUTRIGGER  
 (ALSO SEE STRUCTURAL)  
 EPDM MEMBRANE OVER  
 ALUMINUM MULLION AND  
 COMPRESSION SEAL  
 INSULATED SPACER  
 BENT ALUMINUM SOFFIT  
 STAINLESS STEEL  
 FASTENERS OVER CONTINUOUS EPDM  
 ISOLATION STRIP TO U/S GALVANIZED  
 STEEL STRUCTURE AND  
 CURTAIN-WALL  
 COMPRESSION SEAL

SEE PLAN FOR EXTENDED ALUMINUM MULLION CAP FIN LOCATIONS

WELD MINIMUM 3mm THICK STEEL PLATE TO HSS CORNER AND GRIND SMOOTH AND FILL FLUSH AND PAINT

SECURE CURTAINWALL DEFLECTION ANCHOR TO T/O 150 LONG L76X102 WELDED TO SIDE OF HSS GIRTER

EXTEND HYDRONIC PIPING ACROSS BASE OF CURTAINWALL ASSEMBLY (SEE MECHANICAL)

SECURE PRE-FINISHED ALUMINUM CLOSEUP MOULDING TO CURTAIN-WALL MULLION WITH CONCEALED CLIPS AND CAULK TO SIDE OF STRUCTURAL STEEL GIRDER

LEAVE MIN. 10mm OF UNADHERED SLACK IN THE P&S MEMBRANE WHEN BRIDGING FROM GYPSUM SHEATHING TO CURTAIN-WALL

APPLY MINIMUM 100mm 1 PART EXPANDABLE FOAM INSULATION FROM T/O SOFFIT INSULATION TO U/S CURTAIN WALL MULLION

SHIM AND SECURE 3mm BENT ALUMINUM LEDGE PANEL WITH STAINLESS STEEL FASTENERS OVER CONTINUOUS EPDM ISOLATION STRIP TO T/O GALVANIZED STEEL OUTRIGGER STRUCTURE AND EXTEND INTO CURTAIN-WALL COMPRESSION SEAL

SECURE STRIP LED FIXTURE TO UNDERSIDE OF ALUMINUM REVEAL ALSO SEE ELECTRICAL



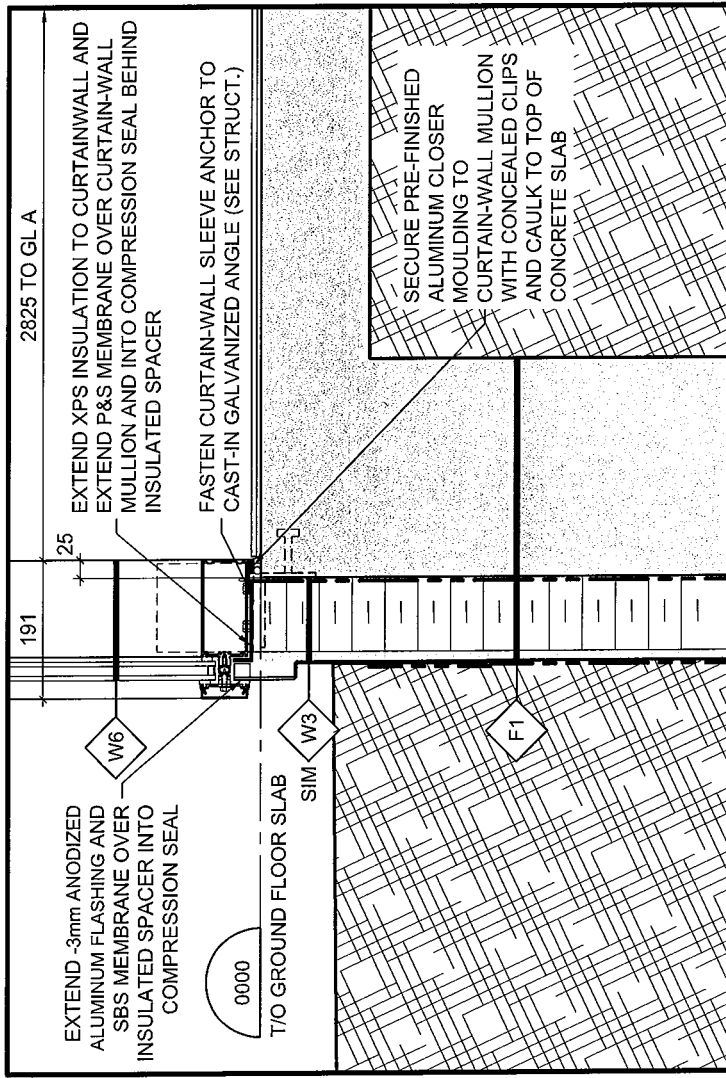
THE ANNEX / 4600 CECIL ST. OTTAWA ON K1R 6S1  
 613.567.7558 PHONE / 613.567.7528 FAX  
 csarchitect.com



PROJECT:  
 TOMLINSON NEW BUILDING  
 DRAWING TITLE:  
 REFERENCE PARTIAL DETAIL 12/A601

DATE: 2017/02/09  
 SCALE: 1:10  
 DRAWN BY: JK  
 JOB No: 574-15

DRAWING No: **ASK-74**



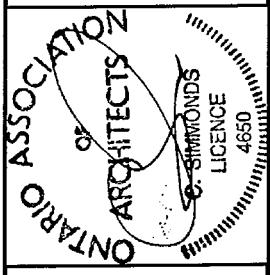
15 CURTAINWALL LITE BASE DETAIL

SCALE = 1:10

A602

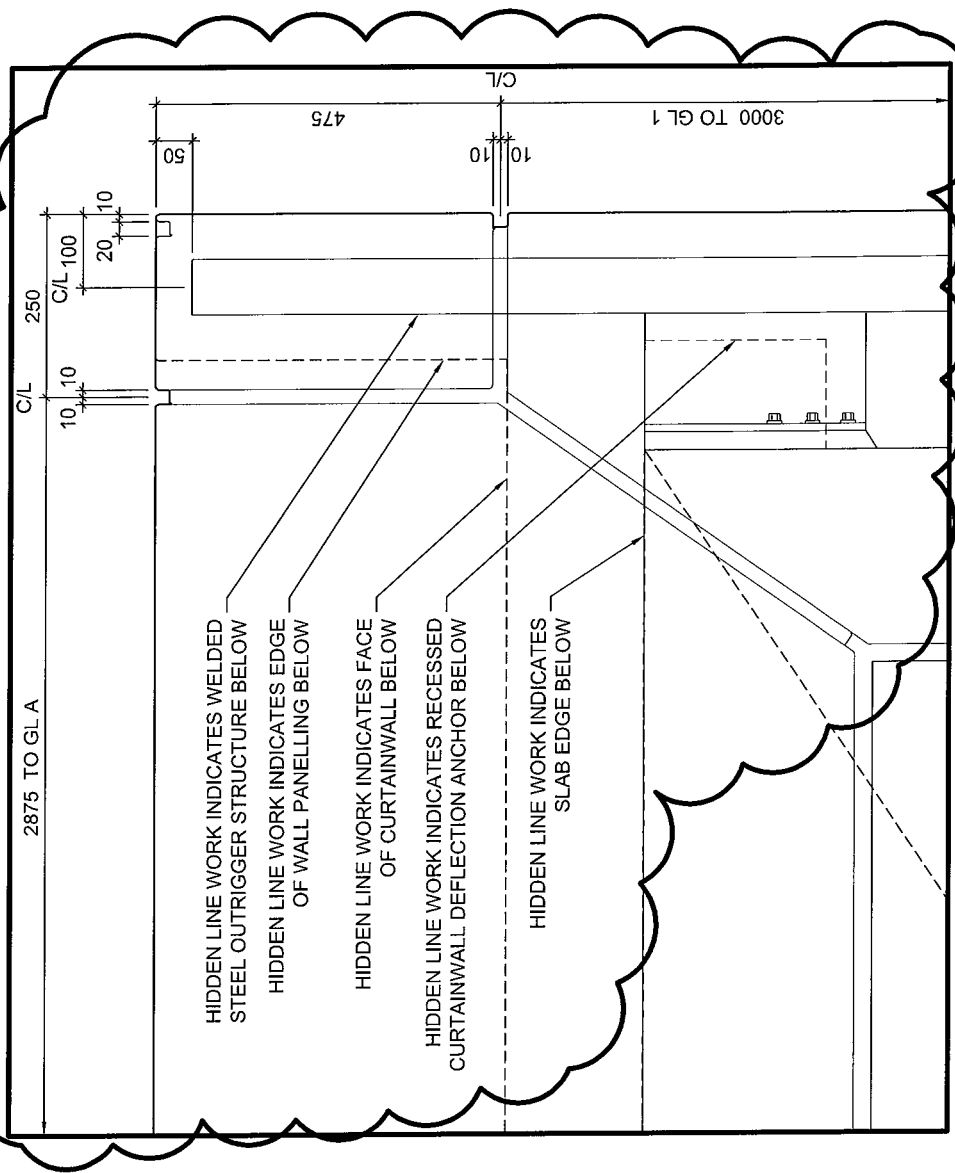
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DRAWN BY:	JK
JOB No:	574-15
DRAWING No:	ASK-75

PROJECT:	TOMLINSON NEW BUILDING
DRAWING TITLE:	REFERENCE NEW DET. AS INDICATED



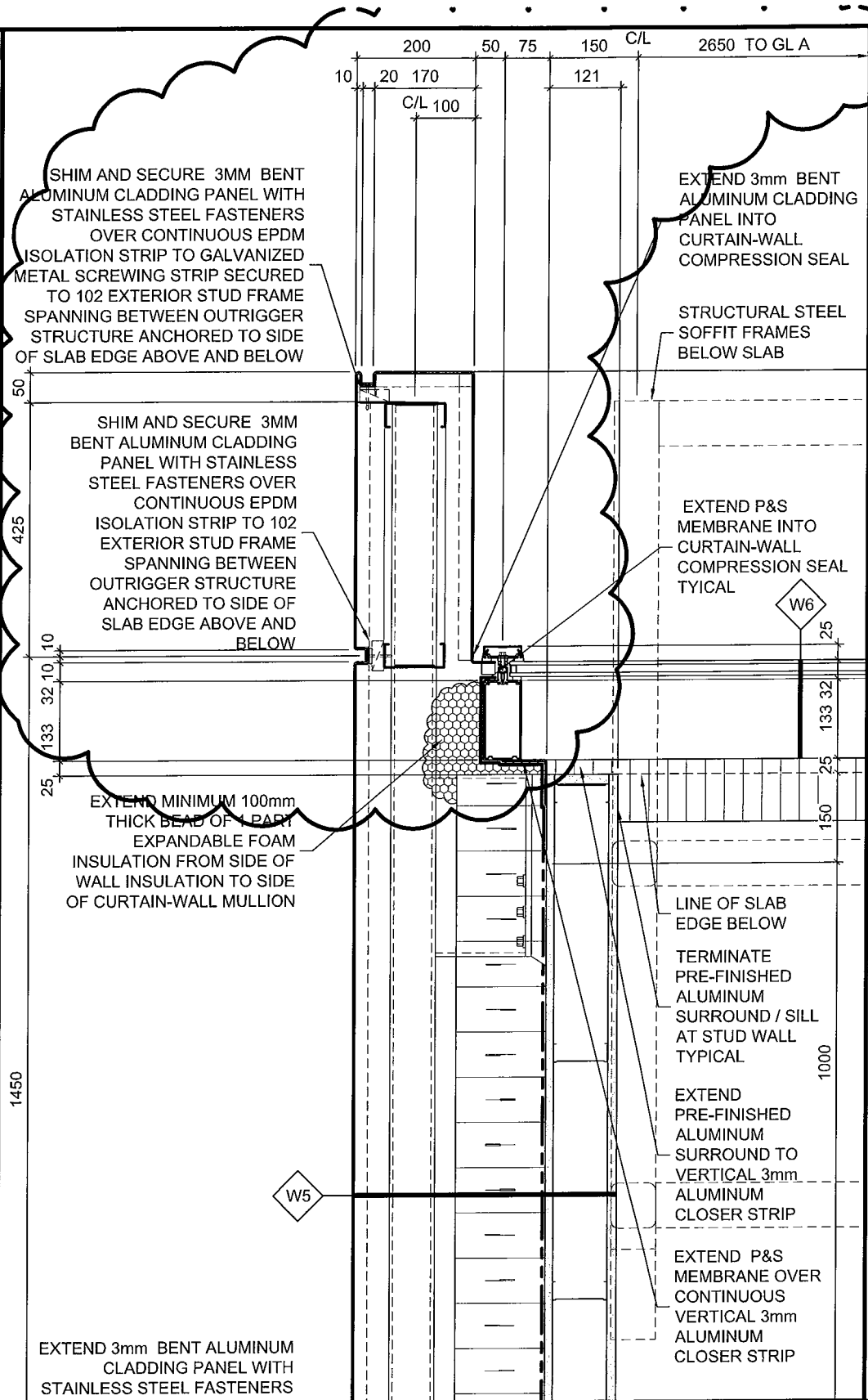
**Christopher Simmonds Architect**

THE ANNEX/486 CECLES ST. OTTAWA ON K1R 8S3  
 613-567-7888 PHONE / 613-567-7524 FAX  
 csaarchitect.com



**3** PARAPET FLASHING DETAIL  
A503  
SCALE = 1:10

<p><b>Christopher Simmonds Architect</b></p> <p>THE ARCADE/6600 LAS ST. OTTAWA, ON K1R 6S3 613.567.7888 PHONE / 613.567.7528 FAX carchitect.com</p>		<p>PROJECT: <b>TOMLINSON NEW BUILDING</b></p> <p>DRAWING TITLE: <b>REFERENCE DETAIL AS INDICATED</b></p>	<p>DATE: 2017/02/09</p> <p>SCALE: AS INDICATED</p> <p>DRAWN BY: JK</p> <p>JOB No: 574-15</p> <p>DRAWING No: <b>ASK-76</b></p>
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PROJECT:  
TOMLINSON NEW BUILDING

DRAWING TITLE:  
REFERENCE PARTIAL DETAIL 10/A503

DATE: 2017/02/09

SCALE: 1:10

DRAWN BY: JK

JOB No: 574-15

DRAWING No:

**ASK-77**

P15 10mm GYPSUM BOARD (SEE TITLE TO ABOVE) TO BELOW (SEE DETAILS FOR ANCHORAGE)

P16 ALUMINUM FRAMED GLASS PARTITION ASSEMBLY 114mm  
-114mm X 51 STOREFRONT MULLIONS  
-TEMPERED GLASS UNIT

P17 1HR. BEAM FIRE-PROTECTION MEMBRANE (SB-2)  
-2X13mm TYPE X GYPSUM BOARD  
-41mm METAL STUDS @ 400O/C

P18 1 SIDED 64 STUD PARTITION ASSEMBLY 80mm  
-16 GYPSUM BOARD BOTH SIDES  
-42 MINERAL WOOL SOUND ATTENUATING BLANKET  
-64 METAL STUDS @ 400 O/C

TYPICAL FOUNDATION WALL (FROM T/O GRADE TO T/O FOOTING):  
-GEOTEXTILE FABRIC  
-13mm DRAINAGE BOARD  
-102mm XPS INSULATION  
-DAMP-PROOFING  
-VARIES REINFORCED CONCRETE (SEE STRUCTURAL)  
(EXTEND GEOTEXTILE FABRIC & DRAINAGE BOARD & DAMP-PROOFING TO U/S FOOTING)

F1 TYPICAL RETAINING WALL (FROM T/O GRADE TO T/O FOOTING):  
-VARIES REINFORCED CONCRETE (SEE STRUCTURAL)  
(EXTEND GEOTEXTILE FABRIC & DRAINAGE BOARD & DAMP-PROOFING TO U/S FOOTING)

F2 TYPICAL RETAINING WALL (FROM T/O GRADE TO T/O FOOTING):  
-VARIES REINFORCED CONCRETE (SEE STRUCTURAL)  
-13mm DRAINAGE BOARD (HIGH SIDE)  
-GEOTEXTILE FABRIC (HIGH SIDE)  
(EXTEND GEOTEXTILE FABRIC & DRAINAGE BOARD TO U/S FOOTING)

ALUMINUM CLAD SOFFIT (ABOVE 2ND FLOOR):  
-3mm ANODIZED ALUMINUM PANEL SYSTEM ON GALVANIZED STEEL OUTRIGGER STRUCTURE @ 1500 O/C HORIZONTALLY  
-95 AIR SPACE  
-152mm 2 PART SPRAY FOAM INSULATION  
-CONCRETE DROP PANEL OR  
-13mm EXTERIOR GYPSUM SHEATHING  
-92mm METAL HORIZONTAL STUDS AT 407mm O/C

S1 CONCRETE PANELLED SOFFIT (TEST FACILITY OVERPASS):  
-13mm FIBERGLASS REINFORCED CONCRETE PANEL  
-46mm CONCEALED ANCHORING SYSTEM  
-SUSPENDED EXTERIOR METAL STUD FRAMING

R1 -REINFORCED CONCRETE (SEE STRUCTURAL)

R2 CONVENTIONAL ROOF ON CONCRETE SLAB (OFFICE):  
-2-PLY MOD-BIT ROOFING MEMBRANE (WHITE)  
-6mm PROTECTION BOARD  
-2 LAYERS 76mm POLY-ISO INSULATION  
-P&S MEMBRANE  
-VARIES REINFORCED CONCRETE (SEE STRUCTURAL)

R3 CONVENTIONAL ROOF ON STEEL DECK (MECHANICAL PENTHOUSE):  
-2-PLY MOD-BIT ROOFING MEMBRANE (WHITE)  
-6mm PROTECTION BOARD  
-2 LAYERS 76mm POLY-ISO INSULATION  
-P&S MEMBRANE  
-13mm GYPSUM SHEATHING  
-38mm GALVANIZED METAL DECK  
-VARIES STRUCTURAL STEEL

R4 UNINSULATED CONVENTIONAL ROOF ON STEEL DECK (BRIDGE):  
-STONE BALLAST (GRAY)  
-2-PLY SBS ROOFING MEMBRANE  
-13mm GYPSUM SHEATHING  
-38mm GALVANIZED METAL DECKING  
-VARIES STRUCTURAL STEEL  
-92 CARRYING CHANNELS @ 1200 O/C  
-22 TOP-HAT CHANNELS @ 400 O/C  
-13mm FIBERGLASS REINFORCED CONCRETE PANEL

R5 INVERTED STONE ROOF (BERM ENRANCES):  
-100mm Ø RIVER ROCK BALLAST  
-GEOTEXTILE FABRIC  
-2 X 76mm XPS INSULATION  
-13mm DRAINAGE BOARD  
-EPDM ROOFING MEMBRANE  
-VARIES REINFORCED CONCRETE (SEE STRUCTURAL)

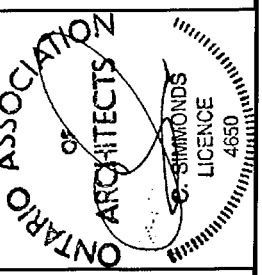
R6 INVERTED GREEN ROOF (BERM PERIMETER):  
-300mm PLANTING MEDIUM  
-FILTER FABRIC  
-2 X 76mm XPS INSULATION  
-13mm DRAINAGE BOARD  
-EPDM ROOFING MEMBRANE  
-VARIES REINFORCED CONCRETE (SEE STRUCTURAL)

R7 CONVENTIONAL ROOF ON STEEL DECK (TEST-FACILITY):  
-STONE BALLAST (GRAY)  
-2-PLY SBS ROOFING MEMBRANE  
-6mm PROTECTION BOARD  
-2 LAYERS 76mm POLY-ISO INSULATION  
-P&S MEMBRANE  
-13mm GYPSUM SHEATHING  
-38mm GALVANIZED METAL DECK  
-VARIES STRUCTURAL STEEL

DATE:	2017/02/09
SCALE:	NOT APPLICABLE
DRAWN BY:	JK
JOB No:	574-15
DRAWING No:	ASK-78

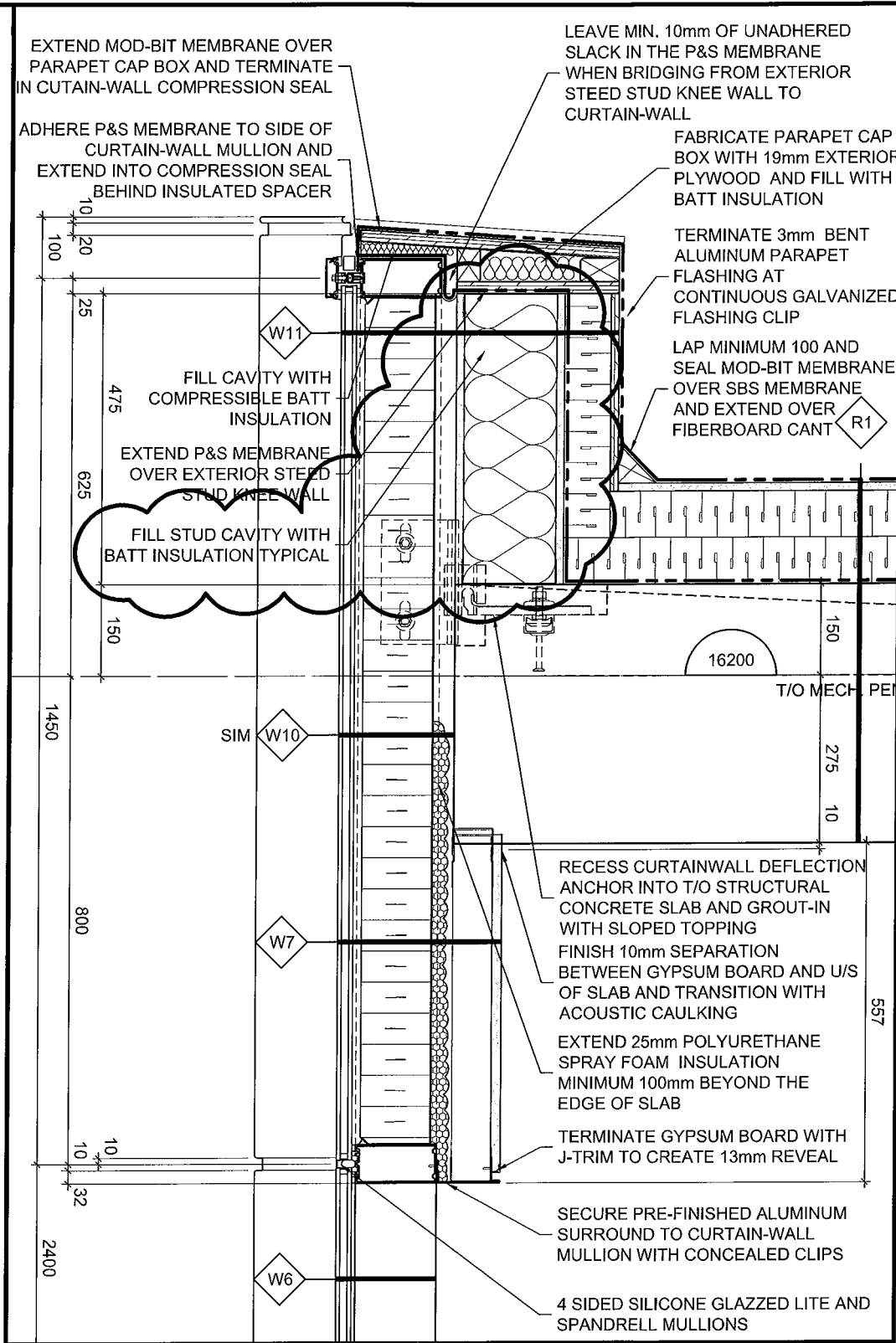
PROJECT:  
**TOMLINSON NEW BUILDING**

DRAWING TITLE:  
**REFERENCE PART DETAIL 20/A002**



**Christopher Simmonds Architect**

THE ANNEX ARCHITECTS SEOTTAWA ON (S18AS)  
613.567.7888 PHONE / 613.567.7528 FAX  
carchitect.com



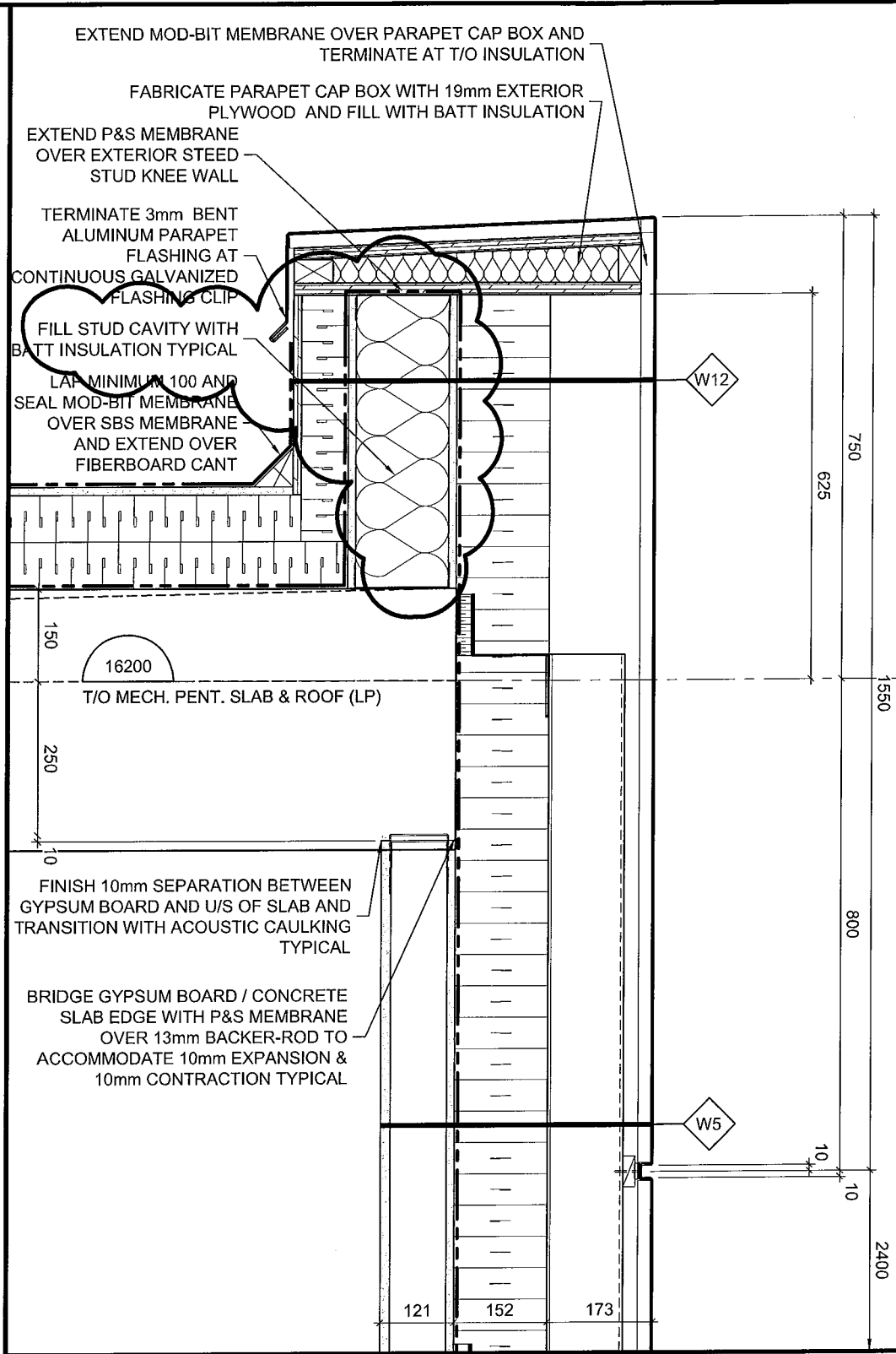
THE ANNEX / 46 CECILE'S ST. OTTAWA ON K1R 6S1  
 613.567.7888 PHONE / 613.567.7525 FAX  
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PROJECT:  
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DRAWING TITLE:  
 REFERENCE DETAIL 7/A602

DATE: 2017/02/09  
 SCALE: 1:10  
 DRAWN BY: JK  
 JOB No: 574-15  
 DRAWING No: ASK-79



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 613.567.7558 PHONE / 613.567.7525 FAX  
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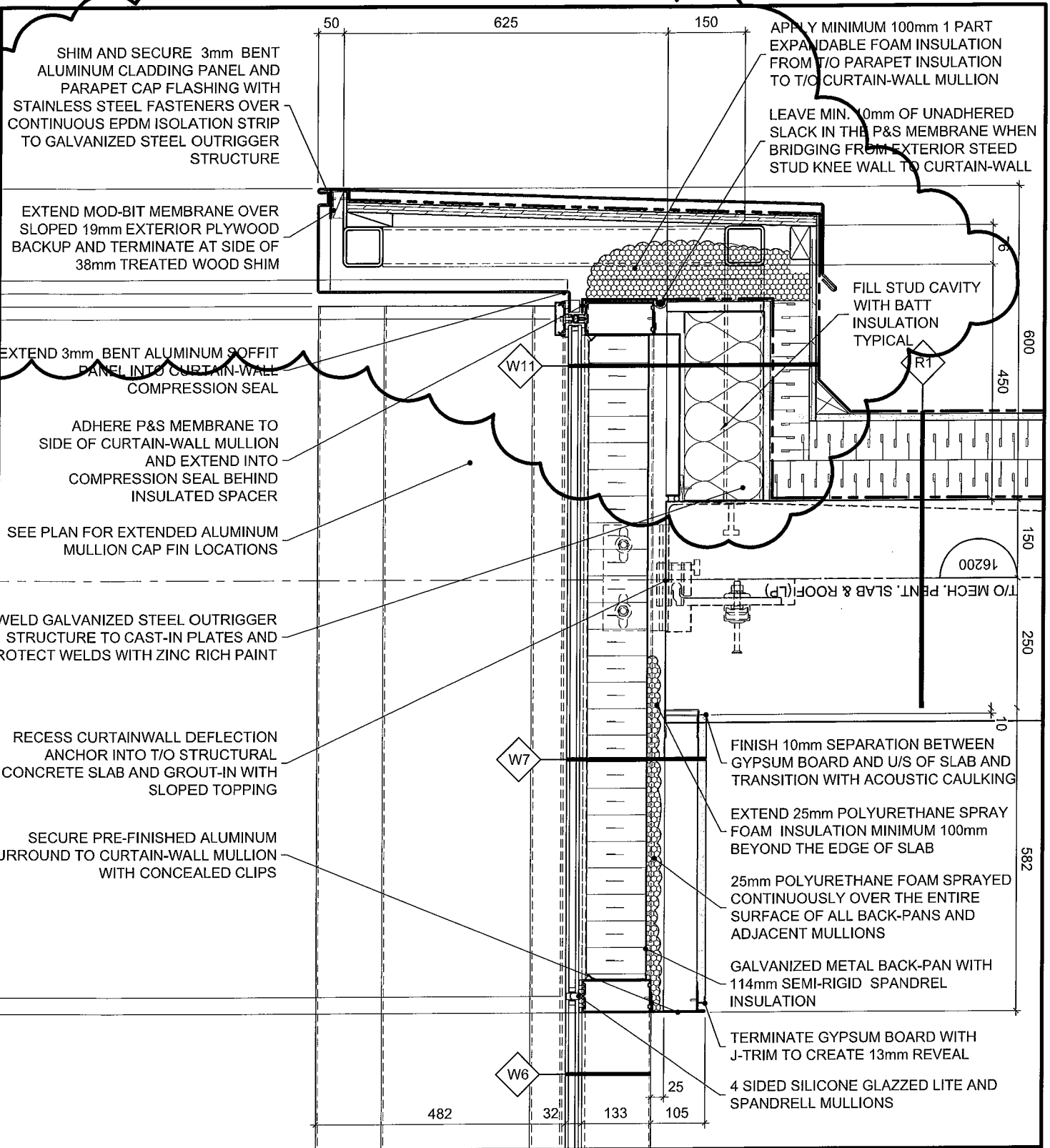
PROJECT:  
 TOMLINSON NEW BUILDING

DRAWING TITLE:  
 REFERENCE DETAIL 4/A602

DATE: 2017/02/09  
 SCALE: 1:10  
 DRAWN BY: JK  
 JOB No: 574-15

DRAWING No:  
**ASK-80**

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**Christopher Simmonds**  
Architect

THE ANNEX / 466 CECILS ST. OTTAWA ON K1R 6S1  
613.567.7888 PHONE / 613.567.7528 FAX  
csarchitect.com

**ONTARIO ASSOCIATION OF ARCHITECTS**

C. SIMMONDS  
LICENCE 4650

PROJECT:  
**TOMLINSON NEW BUILDING**

DRAWING TITLE:  
**REFERENCE PARTIAL DETAIL 1/A601**

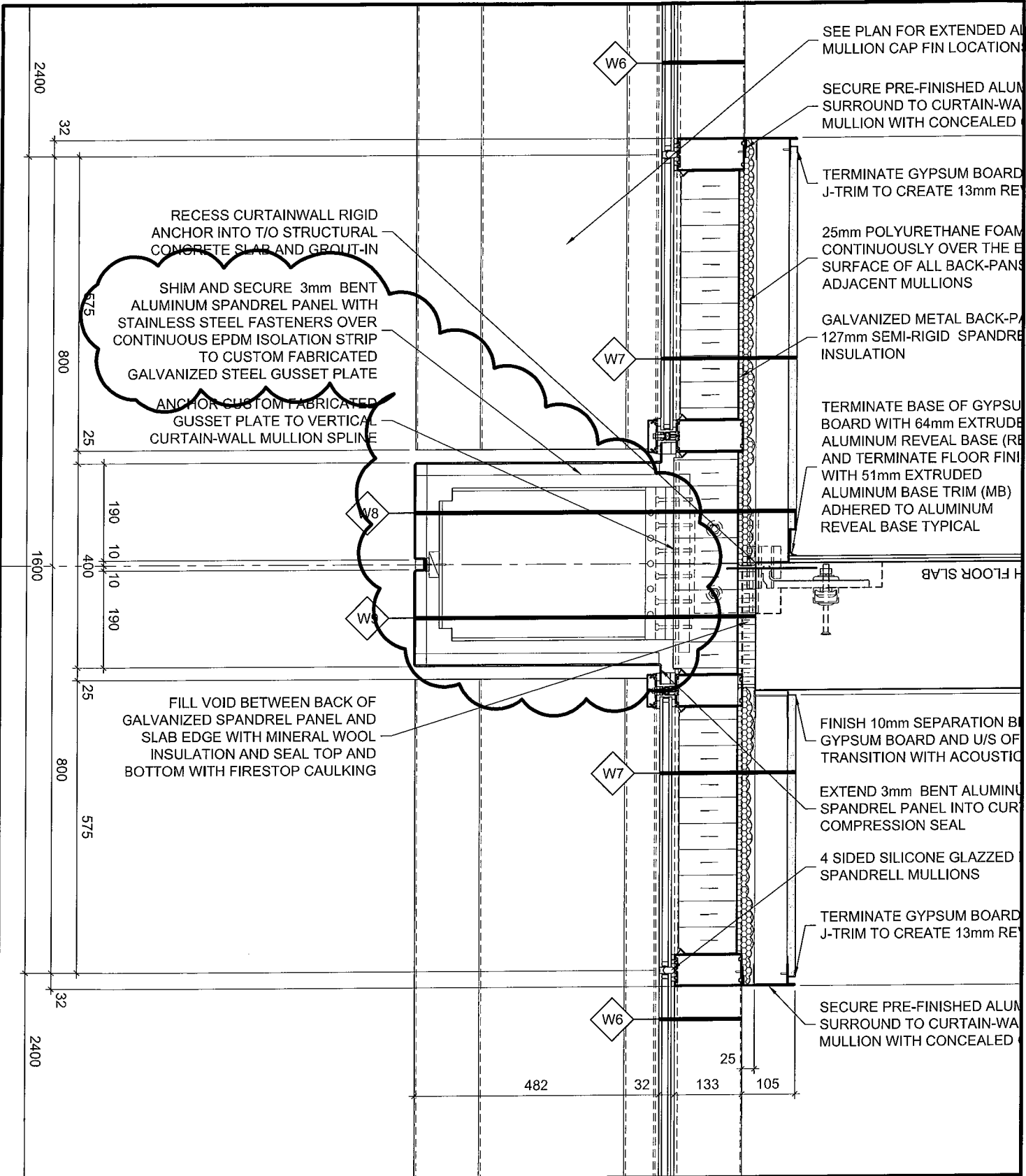
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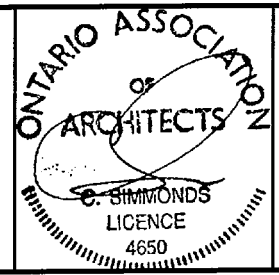
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JOB No: 574-15

DRAWING No:  
**ASK-81**



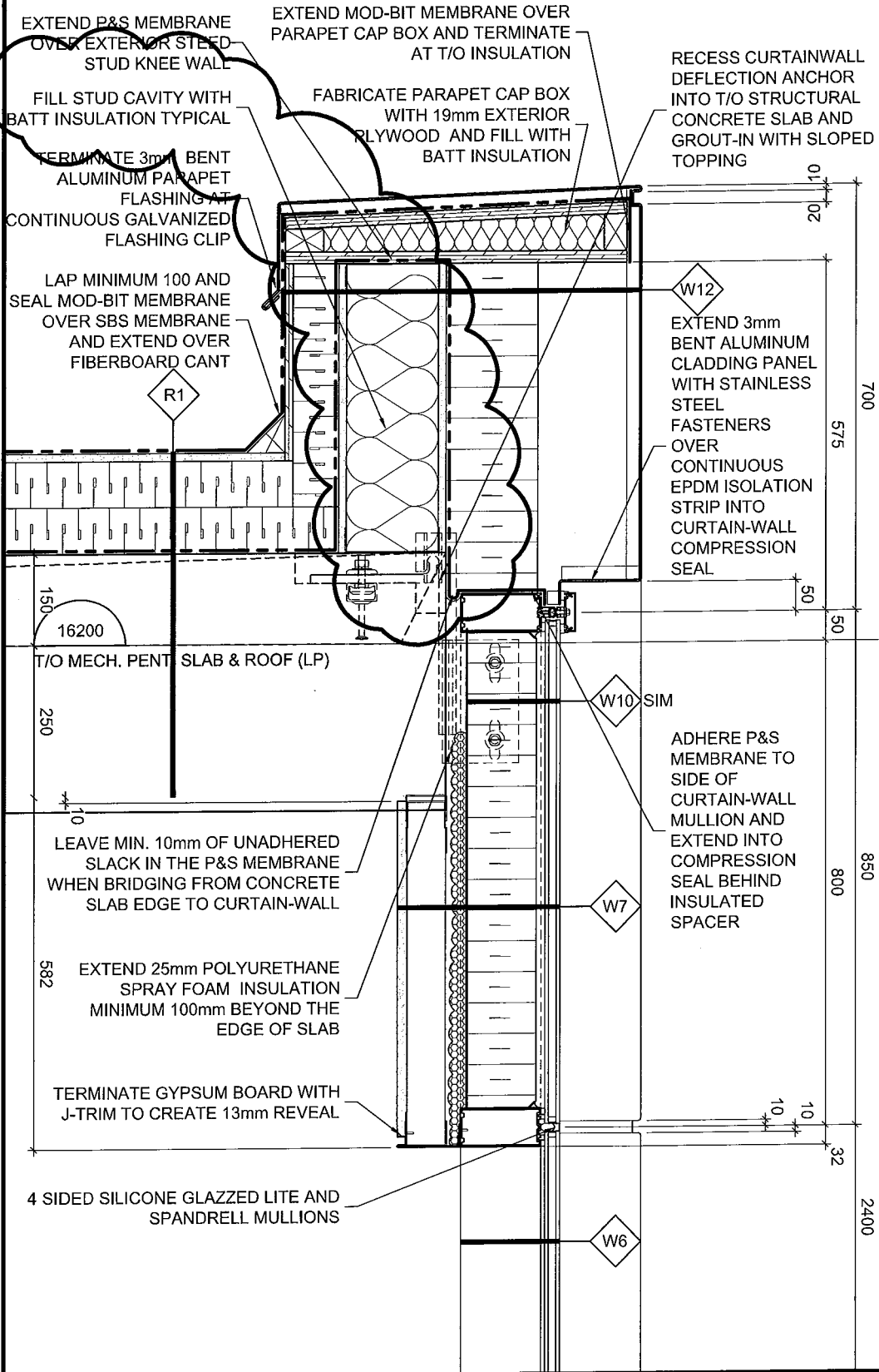
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 613.567.7555 PHONE / 613.567.7528 FAX  
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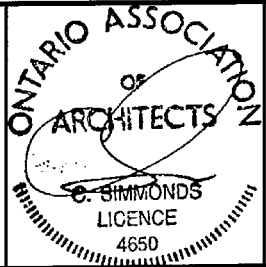
PROJECT:  
**TOMLINSON NEW BUILDING**

DRAWING TITLE:  
**REFERENCE PARTIAL DETAIL 6/A601**

DATE:	2017/02/09
SCALE:	1:10
DRAWN BY:	JK
JOB No:	574-15
DRAWING No:	<b>ASK-82</b>



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613.567.7588 PHONE / 613.567.7528 FAX  
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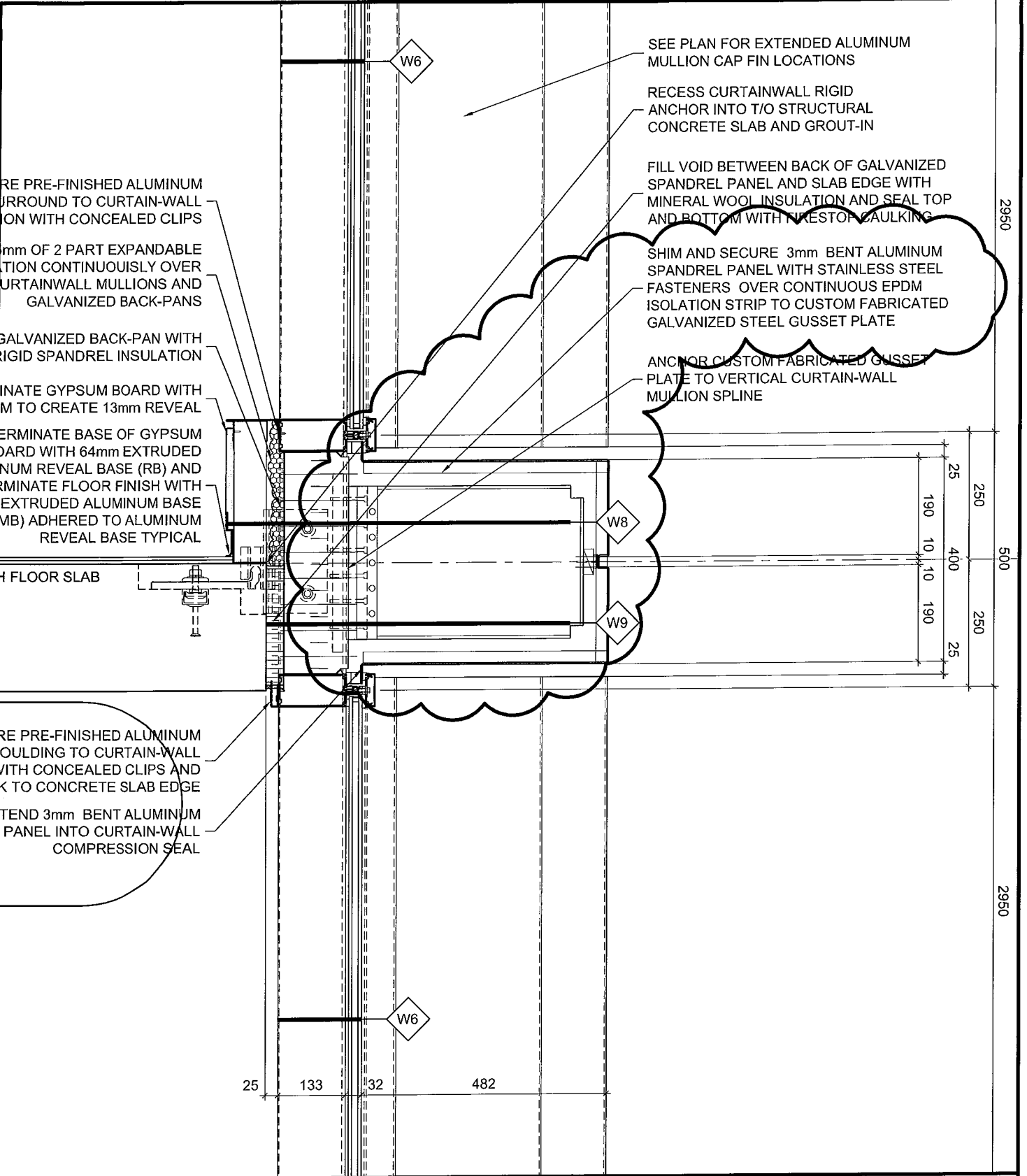


PROJECT:  
**TOMLINSON NEW BUILDING**

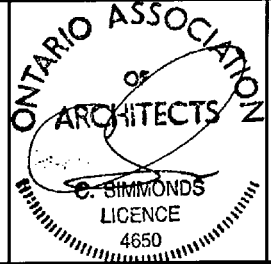
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**REFERENCE PARTIAL DETAIL 5/A601**

DATE: 2017/02/09  
SCALE: 1:10  
DRAWN BY: JK  
JOB No: 574-15  
DRAWING No:

**ASK-83**



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 613.567.7888 PHONE / 613.567.7328 FAX  
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PROJECT:  
**TOMLINSON NEW BUILDING**

DRAWING TITLE:  
**REFERENCE PARTIAL DETAIL 12/A601**

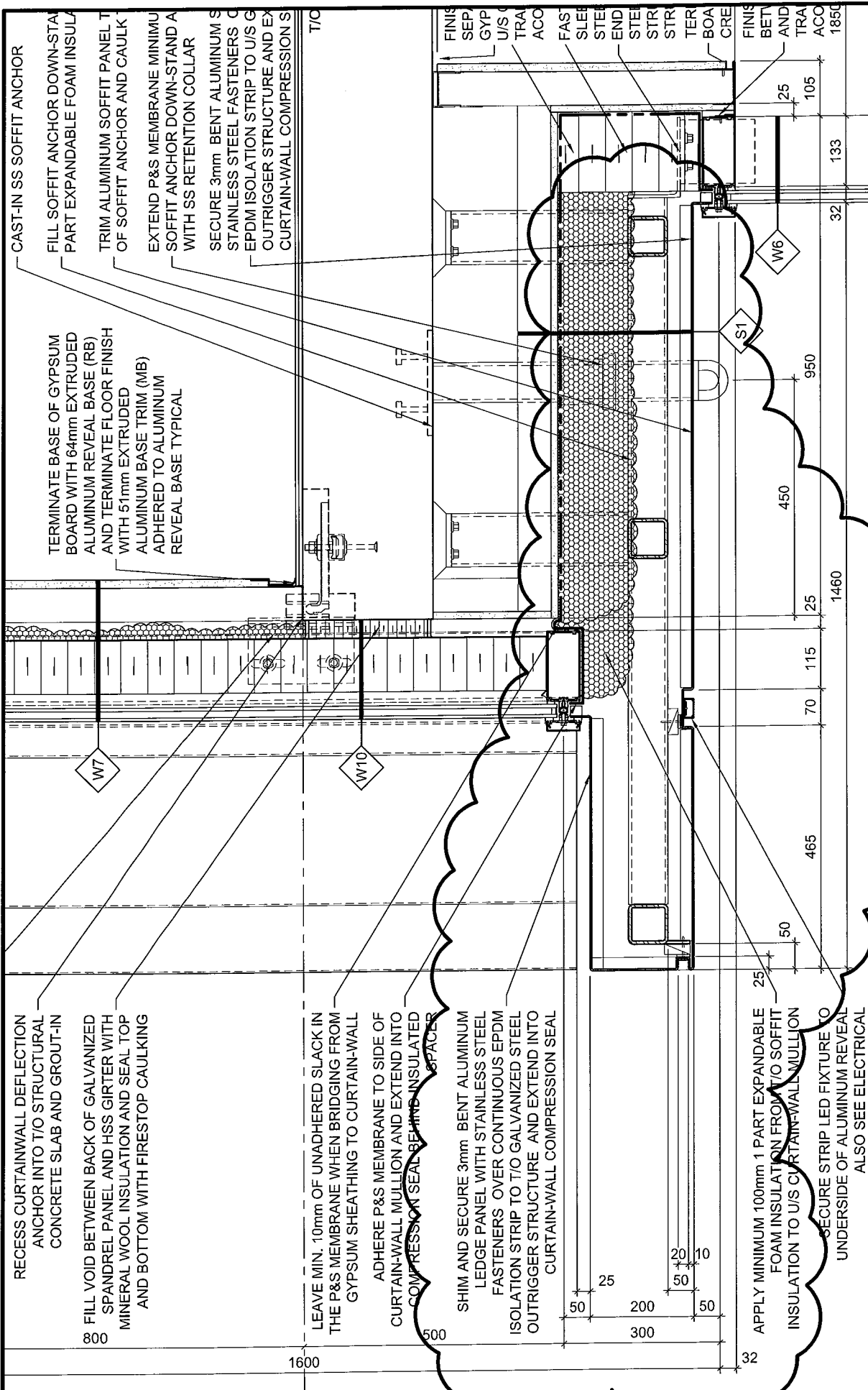
DATE: 2017/02/09

SCALE: 1:10

DRAWN BY: JK

JOB No: 574-15

DRAWING No: **ASK-84**



RECESS CURTAINWALL DEFLECTION ANCHOR INTO T/O STRUCTURAL CONCRETE SLAB AND GROUT-IN

FILL VOID BETWEEN BACK OF GALVANIZED SPANDREL PANEL AND HSS GIRTER WITH MINERAL WOOL INSULATION AND SEAL TOP AND BOTTOM WITH FIRESTOP CAULKING

TERMINATE BASE OF GYPSUM BOARD WITH 64mm EXTRUDED ALUMINUM REVEAL BASE (RB) AND TERMINATE FLOOR FINISH WITH 51mm EXTRUDED ALUMINUM BASE TRIM (MB) ADHERED TO ALUMINUM REVEAL BASE TYPICAL

CAST-IN SS SOFFIT ANCHOR

FILL SOFFIT ANCHOR DOWN-STAIR PART EXPANDABLE FOAM INSULATION

TRIM ALUMINUM SOFFIT PANEL TO FACE OF SOFFIT ANCHOR AND CAULK

EXTEND P&S MEMBRANE MINIMUM SOFFIT ANCHOR DOWN-STAIR WITH SS RETENTION COLLAR

SECURE 3mm BENT ALUMINUM SOFFIT PANEL WITH STAINLESS STEEL FASTENERS OVER EPDM ISOLATION STRIP TO U/S CURTAIN-WALL STRUCTURE AND EXTEND INTO CURTAIN-WALL COMPRESSION SEAL

W7

W10

SHIM AND SECURE 3mm BENT ALUMINUM LEDGE PANEL WITH STAINLESS STEEL FASTENERS OVER CONTINUOUS EPDM ISOLATION STRIP TO T/O GALVANIZED STEEL OUTRIGGER STRUCTURE AND EXTEND INTO CURTAIN-WALL COMPRESSION SEAL

APPLY MINIMUM 100mm 1 PART EXPANDABLE FOAM INSULATION FROM T/O SOFFIT INSULATION TO U/S CURTAIN-WALL MULLION

SECURE STRIP LED FIXTURE TO UNDERSIDE OF ALUMINUM REVEAL ALSO SEE ELECTRICAL

LEAVE MIN. 10mm OF UNADHERED SLACK IN THE P&S MEMBRANE WHEN BRIDGING FROM GYPSUM SHEATHING TO CURTAIN-WALL

ADHERE P&S MEMBRANE TO SIDE OF CURTAIN-WALL MULLION AND EXTEND INTO COMPRESSION SEAL BEHIND INSULATED SPACER

FINISH

SEP

GYP

U/S

TRIM

ACC

FAS

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END

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BOA

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FINIS

BET

AND

TRA

ACC

1850

32

1460

950

450

105

25

70

115

25

465

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25

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20

50

200

50

300

1600

500

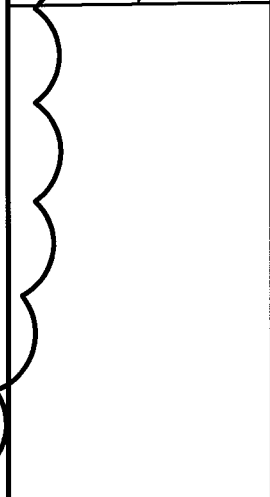
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T/O

DATE:	2017/02/09
SCALE:	1:10
DRAWN BY:	JK
JOB No:	574-15
DRAWING No:	ASK-85

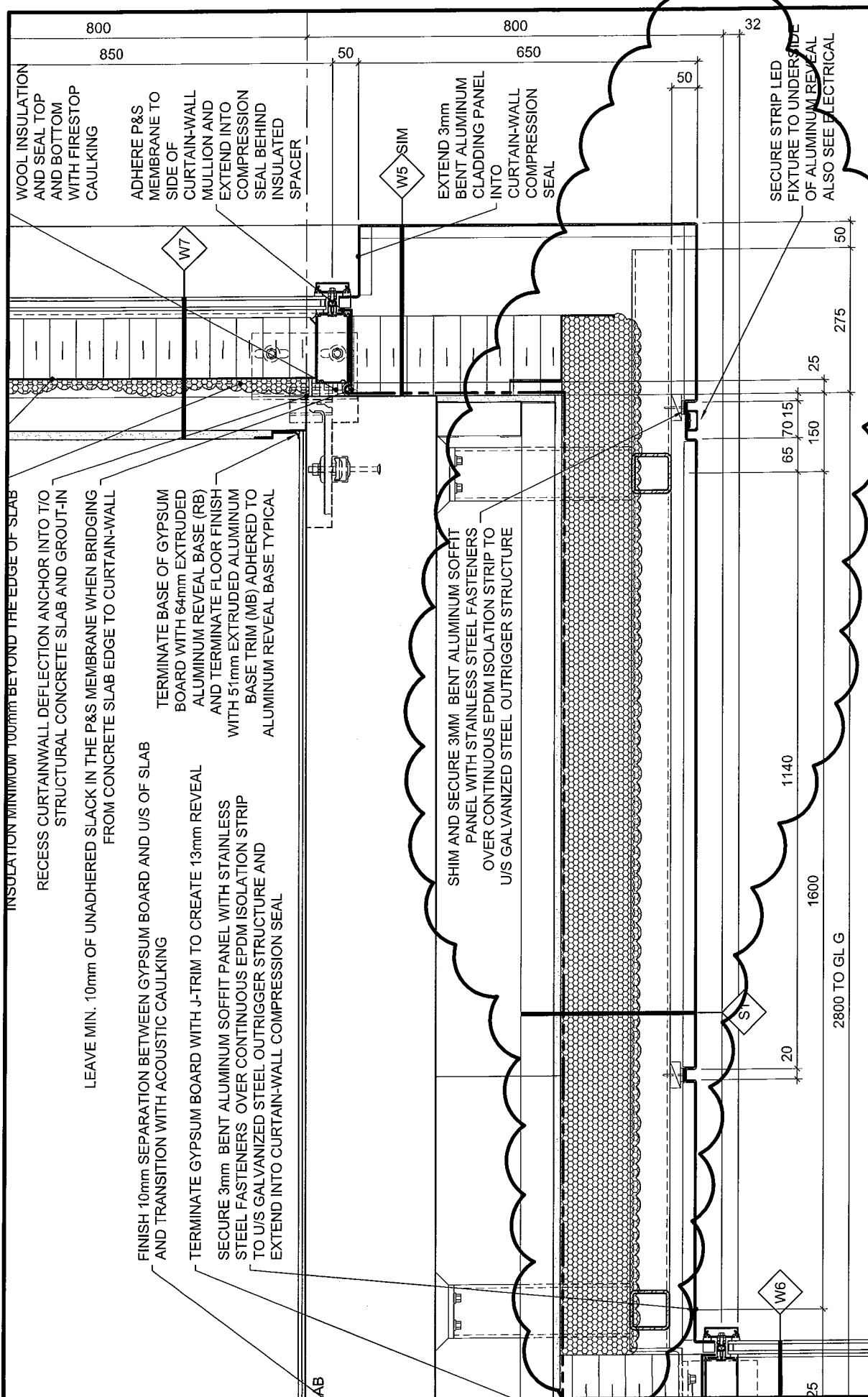
PROJECT: TOMLINSON NEW BUILDING

DRAWING TITLE: REFERENCE PART DETAIL 11/A601



**Christopher Simmonds Architect**

THE ANNEX / 4600 LESLIE ST. OTTAWA ON K1W 6A5  
 613-567-7888 PHONE / 613-567-7328 FAX  
 csa@csaarchitect.com



INSULATION MINIMUM 100mm BEYOND THE EDGE OF SLAB

RECESS CURTAINWALL DEFLECTION ANCHOR INTO T/O STRUCTURAL CONCRETE SLAB AND GROUT-IN

LEAVE MIN. 10mm OF UNADHERED SLACK IN THE P&S MEMBRANE WHEN BRIDGING FROM CONCRETE SLAB EDGE TO CURTAIN-WALL

FINISH 10mm SEPARATION BETWEEN GYPSUM BOARD AND U/S OF SLAB AND TRANSITION WITH ACOUSTIC CAULKING

TERMINATE GYPSUM BOARD WITH J-TRIM TO CREATE 13mm REVEAL

SECURE 3mm BENT ALUMINUM SOFFIT PANEL WITH STAINLESS STEEL FASTENERS OVER CONTINUOUS EPDM ISOLATION STRIP TO U/S GALVANIZED STEEL OUTRIGGER STRUCTURE AND EXTEND INTO CURTAIN-WALL COMPRESSION SEAL

WOOL INSULATION AND SEAL TOP AND BOTTOM WITH FIRESTOP CAULKING

ADHERE P&S MEMBRANE TO SIDE OF CURTAIN-WALL MULLION AND EXTEND INTO COMPRESSION SEAL BEHIND INSULATED SPACER

TERMINATE BASE OF GYPSUM BOARD WITH 64mm EXTRUDED ALUMINUM REVEAL BASE (RB) AND TERMINATE FLOOR FINISH WITH 51mm EXTRUDED ALUMINUM BASE TRIM (MB) ADHERED TO ALUMINUM REVEAL BASE TYPICAL

SHIM AND SECURE 3MM BENT ALUMINUM SOFFIT PANEL WITH STAINLESS STEEL FASTENERS OVER CONTINUOUS EPDM ISOLATION STRIP TO U/S GALVANIZED STEEL OUTRIGGER STRUCTURE

EXTEND 3mm BENT ALUMINUM CLADDING PANEL INTO CURTAIN-WALL COMPRESSION SEAL

SECURE STRIP LED FIXTURE TO UNDERSIDE OF ALUMINUM REVEAL ALSO SEE ELECTRICAL

W7

W5 SIM

W6

S1

800

850

50

650

32

50

65

70

15

150

25

275

50

1140

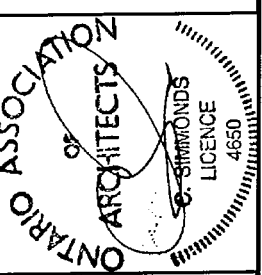
1600

20

2800 TO GL G

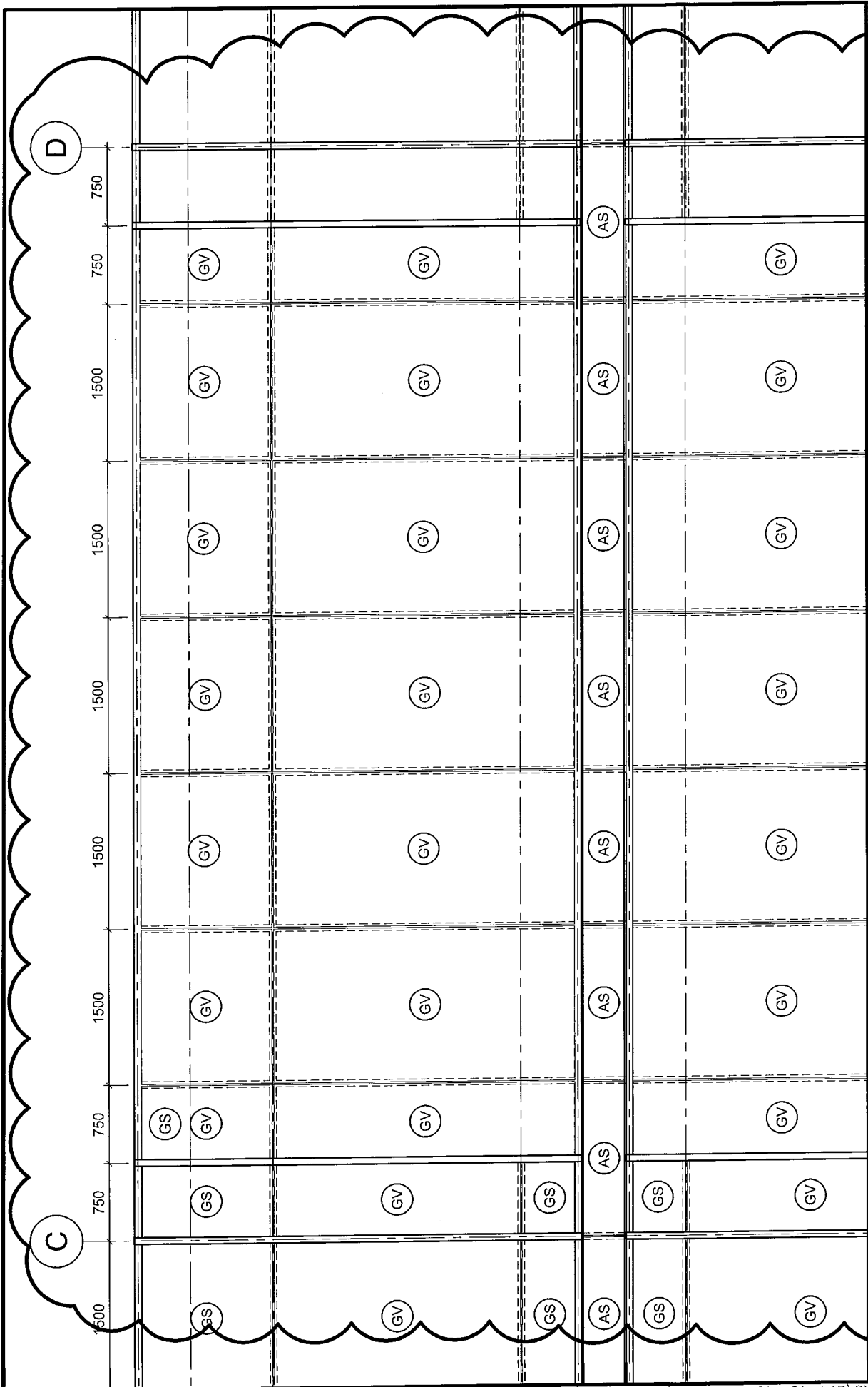
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PROJECT: TOMLINSON NEW BUILDING		DATE: 2017/02/09
DRAWING TITLE: REFERENCE PART DETAIL 13/A601		SCALE: 1:10
DRAWING NO: ASK-86		DRAWN BY: JK
JOB NO: 574-15		



**Christopher Simmonds Architect**

THE ANNEX, 480 CECIL ST. OTTAWA, ON K1R 6J3  
 416-567-7888 PHONE / 416-567-7328 FAX  
 csaarchitect.com

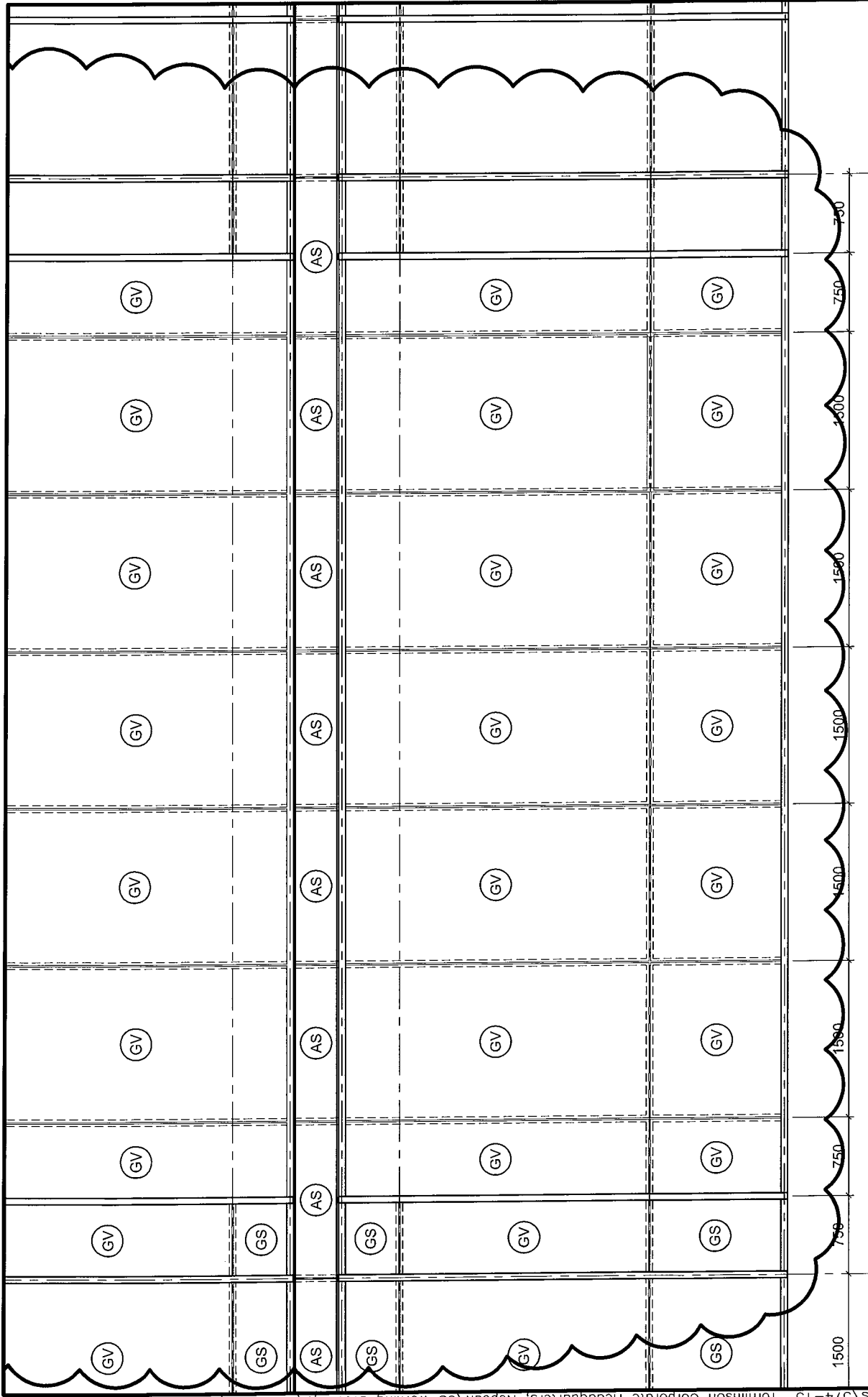


DATE: 2017/02/09  
 SCALE: 1:50  
 DRAWN BY: JK  
 JOB No: 574-15  
 DRAWING No: ASK-87

PROJECT:  
 TOMLINSON NEW BUILDING  
 DRAWING TITLE:  
 REFERENCE PART DETAIL 4/A951



**Christopher Simmonds Architect**  
 THE ANNEX / RECULDES ST. OTTAWA ON K1P 6G5  
 613-567-7888 PHONE / 613-567-7528 FAX  
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DATE: 2017/02/09  
 SCALE: 1:50  
 DRAWN BY: JK  
 JOB No: 574-15  
 DRAWING No: ASK-88

PROJECT: TOMLINSON NEW BUILDING  
 DRAWING TITLE: REFERENCE PART DETAIL 4/A951



**Christopher Simmonds Architect**  
 THE ANNSLEY RECCLES ST. OTTAWA, ON K1R 6A3  
 413.567.7888 PHONE / 413.567.7258 FAX  
 csa@csaarch.com