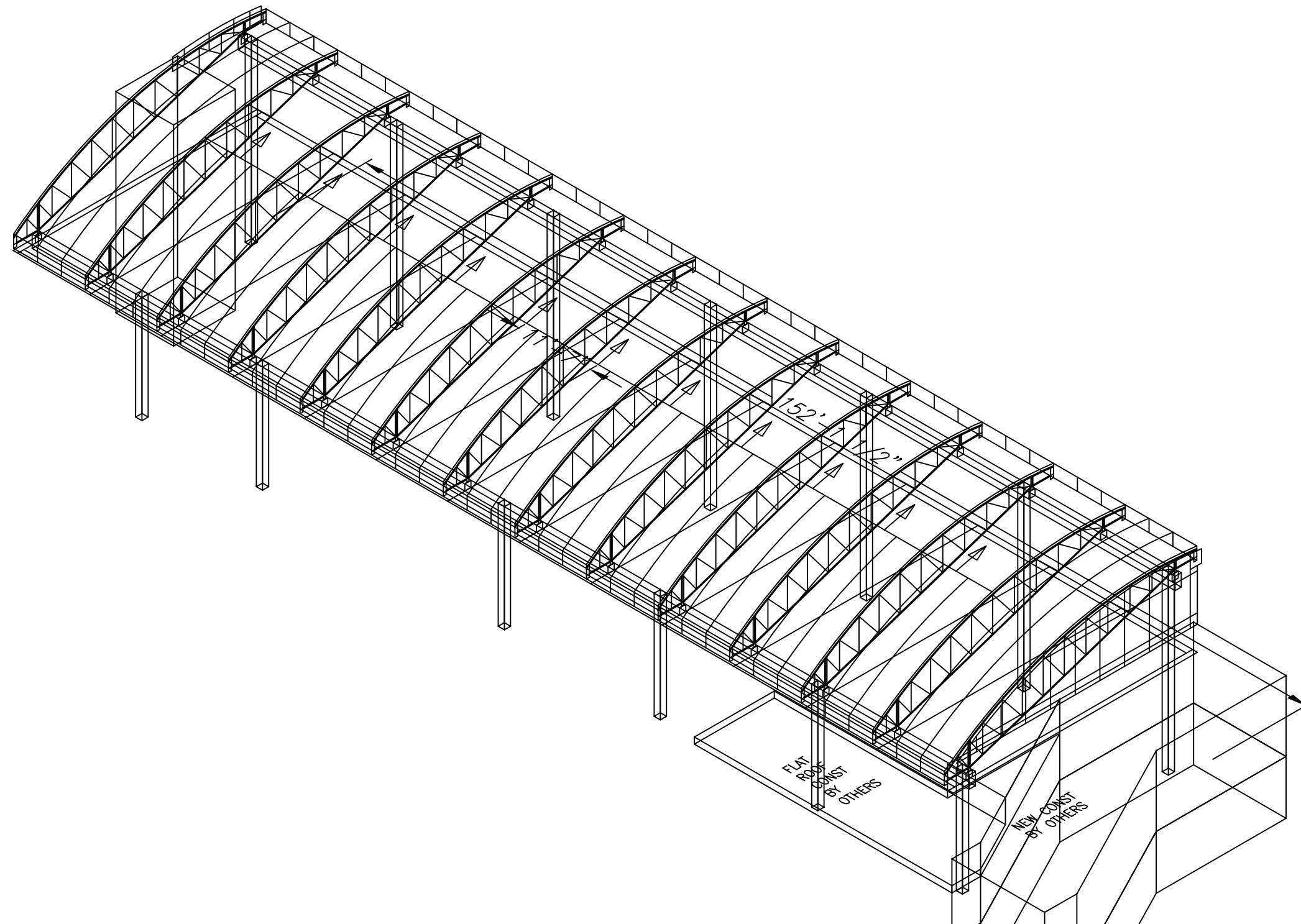


# SOUTH WAY INN – RETRO-FIT RETIREMENT HOME

## OTTAWA, ONTARIO



### DRAWING INDEX

DRAWING No.	TITLE
0	PROJECT INFO/ENGINEERING
1	FLOOR PLAN
2	ROOF PLAN
3	STEEL SECTION
4	GABLE END ELEVATIONS
5	DETAILS
6	DETAILS
7	DETAILS
8	DETAILS
9	DETAILS
10	ALUMINUM SECTION
11	DETAILS



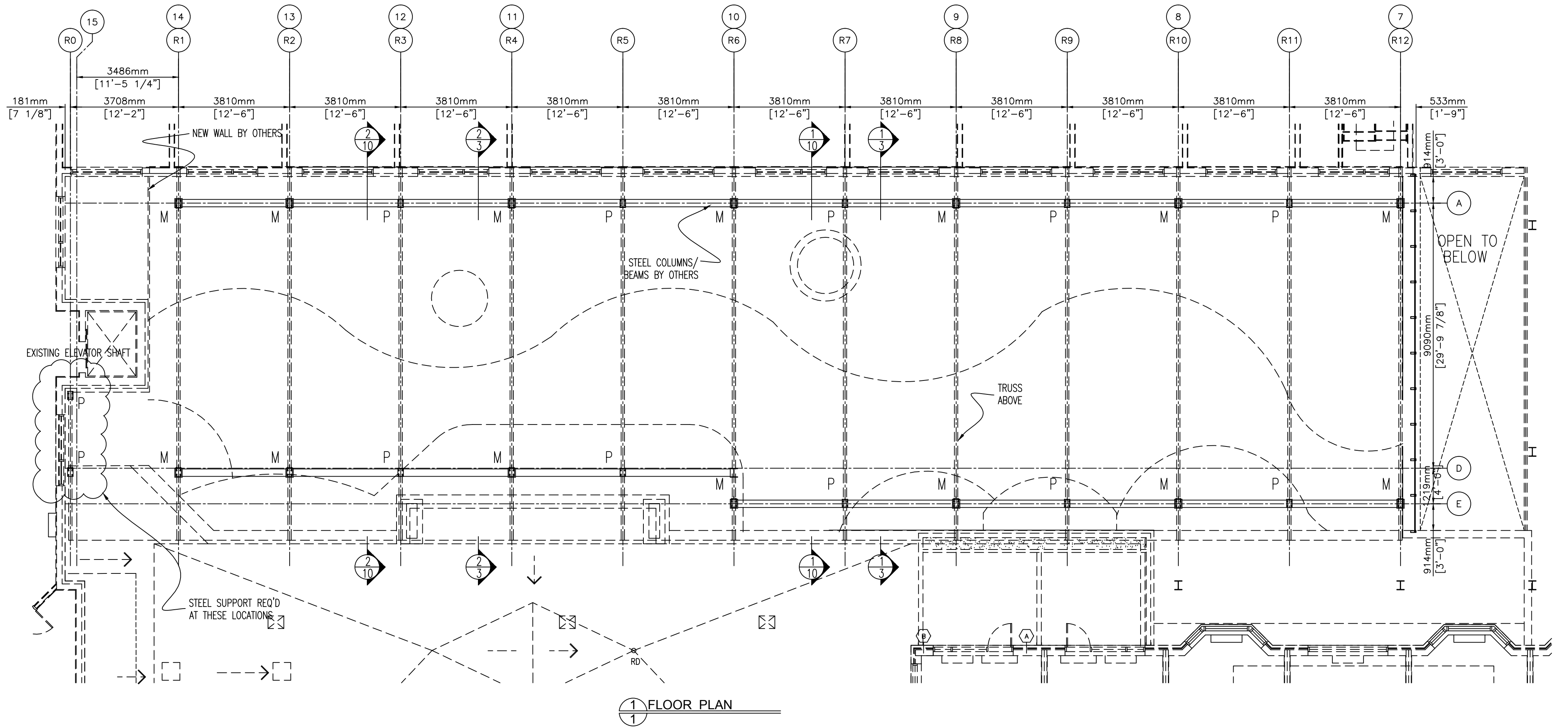
APPROVED FOR STRUCTURAL DESIGN ONLY

### SYMBOLS

	VIEW DRAWING NUMBER
	DETAIL DRAWING NUMBER
	NORTH ARROW
	MOTOR NUMBER
	RAFTER NUMBER
	COLUMN NUMBER
	WORKING POINT (W.P.)
	HORIZONTAL SECTION DRAWING NUMBER
	VERTICAL SECTION DRAWING NUMBER
	TEMPERED GLASS UNIT

### NOTES

DESIGN LOADS	GENERAL	GLAZING	INSTALLATION	WARRANTY																																																									
<p>EXISTING FOUNDATION AND/OR SUPPORT STRUCTURE MUST BE CAPABLE TO SAFELY SUSTAIN THE FORCES GIVEN BELOW.</p> <p>MIN SPECIFIED CONCENTRATE ROOF LIVE LOAD: 1.3 kN</p> <p><b>WIND LOAD:</b></p> <p>1/50 YEAR WIND PRESSURE : <math>q_{1/50} = 0.41</math> kPa EXPOSURE FACTOR <math>C_e = 0.9</math> GUST EFFECT FACTOR, <math>C_g = 2</math></p> <p><b>SNOW LOAD:</b></p> <p>1/50 YEAR GROUND SNOW LOAD : <math>S_g = 2.4</math> kPa 1/50 YEAR ASSOCIATED RAIN LOAD : <math>S_r = 0.4</math> kPa</p> <p><b>SEISMIC DATA:</b></p> <p>FOR SEISMIC DATE, REFER TO GOODEVE MANHIRE PARTNERS INC.'S STEEL STRUCTURAL DRAWINGS.</p> <p><b>LOAD COMBINATION:</b></p> <p>ALL LOADS HAVE BEEN COMBINED IN ACCORDANCE WITH CODE (NBC 2010) GUIDELINE TO PRODUCE CONDITIONS THAT CAN BE EXPECTED</p>	<p>1) DRAWINGS MUST BE STAMPED "APPROVED" AND RETURNED TO OPENAIRE PRIOR TO FABRICATION</p> <p>2) ALL OPENAIRE COMPONENTS EITHER PRE- ASSEMBLED OR SITE ASSEMBLED CONSTITUTE FINISHED PRODUCTS AND SHOULD THEREFORE BE HANDLED WITH CARE AND PROTECTED AS REQUIRED</p> <p>3) THE FOUNDATION CONDITIONS ARE ASSUMED TO BE ADEQUATE FOR THE STRUCTURE DESIGNED, WITH THE LOADS GIVEN. THE OWNER IS RESPONSIBLE FOR INSURING THE ADEQUACY OF THE FOUNDATION</p> <p>4) ALUMINUM: ALL STRUCTURAL MEMBERS SHALL BE OF EXTRUDED ALUMINUM ALLOY 6061(T6). ALL OTHERS SHALL BE 6063 (T5 OR T6)</p> <p>5) STRUCTURAL STEEL ALL HSS MEMEBERS TO BE 350W GRADE ALL STEEL PLATES TO BE 300W GRADE ALL HASTENERS FOR STRUCTURAL STEEL TO BE ASTM A325</p> <p>6) SCREWS &amp; FASTENERS: A) ASSEMBLY SCREWS: SERIES 410-H STAINLESS STEEL. CADMIUM PLATED TEK SCREWS. B) EXTERIOR EXPOSED SCREWS: 18-8 STAINLESS STEEL C) STRUCTURAL BOLTS TO BE F593 GRADE B (TYPE 304) <math>F_u=758</math>MPa (110,000psi)</p> <p>7) ANCHOR RODS: HIGH STRENGTH STEEL B7</p>	<p>1) OVERHEAD: 25mm POLYCARBONATE</p> <p>2) VERTICAL: 1" THICK SEALED UNITS EXT.: 1/4" CLEAR ANNEALED AIR SPACE INT.: 1/4" CLEAR ANNEALED</p> <p>3) GLASS TEMPERED AS REQUIRED BY CODE</p>	<p>1) STAGING/WORK AREA OF 35'x35' IS REQUIRED TO STORE AND ASSEMBLE RAFTERS PRIOR TO INSTALLATION. SEE SITE PLAN FOR LOCATION</p> <p>2) STAGING AREA TO BE A FIRM, LEVELED, GRADED GROUND</p> <p>3) AT THE TIME OF INSTALLATION THE CONCRETE DECK MUST BE POURED, OR A LEVEL GRAVELED SURFACE PROVIDED THAT IS ADEQUATE TO SUPPORT THE WEIGHT OF LIFTS AND OTHER EQUIPMENT NECESSARY TO INSTALL THE ENCLOSURE. OPENAIRE IS NOT LIABLE FOR DAMAGE TO UNDERGROUND UTILITIES. THE LARGEST LIFT WILL BE A 40' MAN LIFT WEIGHING APPROXIMATELY 13000 POUNDS</p> <p>4) GENERAL CONTRACTOR TO ENSURE REBAR IN CONCRETE STRUCTURE DOES NOT INTERFERE WITH OPENAIRE ANCHOR RODS. CURBS AND FOUNDATION SHOWN IN OPENAIRE SHOP DRAWINGS REPRESENTS MINIMUM OPENAIRE REQUIREMENTS. SEE STRUCTURAL DRAWINGS FOR MORE DETAILS</p> <p>5) ALL FINISHING WORK INSIDE AND AROUND OPENAIRE STRUCTURE TO BE COORDINATED WITH OPENAIRE IF PERFORMED BEFORE OPENAIRE STRUCTURE INSTALLATION IS COMPLETELY FINISHED. OPENAIRE WILL NOT BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO FINISHED AREAS</p>	<p>1) MANUFACTURER'S STANDARD 5 YEAR WARRANTY AGAINST DEFECTS IN MATERIAL AND LABOR OF THE WORK IN THIS SECTION; THAT THE WORK WILL BE WATER AND WEATHER TIGHT, STRUCTURALLY SOUND AND FREE FROM DISTORTION AND DEFORMATION UNDER LOAD; GLAZING SPLINES AND SEALANT WILL BE FREE FROM DISTORTION FROM SUNLIGHT, WEATHER AND OXIDATION AND WILL BE FREE FROM PERMANENT DEFORMATION UNDER LOAD.</p> <p>2) POLYCARBONATE: 10-YEAR WARRANTY AGAINST: A. DISCOLORATION. B. HAIL DAMAGE</p> <p>3) GLASS: 10-YEAR WARRANTY AGAINST: A. DEFECTS IN INSULATING GLASS UNITS. B. MATERIAL OBSTRUCTION OF VISION AS A RESULT OF DUST OR FILM FORMATION ON THE INTERNAL GLASS SURFACES BY ANY CAUSE, UNDER NORMAL CONDITIONS, OTHER THAN EXTRINSIC GLASS BREAKAGE. C. SEAL FAILURE.</p> <p>4) FINISH: MANUFACTURER'S STANDARD FINISH WARRANTY.</p>	<div style="border: 1px solid black; padding: 5px;"> <p>OpenAire Inc. is certified by the CWB (Canadian Welding Bureau) in Division 2.1 under CSA Standard W47.2 - M "Certification of companies for fusion welding of Aluminum". All aluminum welding is in compliance to this standard and all welders have been certified to the W47.2 standard and AWS D1.2 standard.</p> </div> <p>THIS ENCLOSURE IS AN ENGINEERED STRUCTURE. DO NOT DRILL HOLES OVER 1/4" DIAMETER OR CUT INTO ANY MEMBERS WITHOUT CONSULTING OPENAIRE.</p> <p>THIS DOCUMENT CONTAINS INFORMATION AND INTELLECTUAL PROPERTY PROPRIETARY TO OPENAIRE INC. AND SHALL NOT BE COPIED, DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE WITHOUT WRITTEN PERMISSION OF OPENAIRE INC.</p> <p style="text-align: center;"><i>BUILDING COLOUR TO BE CONFIRMED</i></p>																																																								
	<b>ELECTRICAL</b>	<b>EXIT DOOR HARDWARE</b>	<b>PREPARATION</b>	<b>SERVICE</b>	<b>ADDITIONAL NOTES</b>																																																								
<p>5) OPENAIRE STRUCTURE AND MECHANICAL SYSTEMS TO BE GROUNDED (AND BONDED) AS PER LOCAL BUILDING CODE AND APPLICABLE ELECTRICAL CODE REQUIREMENTS. THIS WORK IS NOT INCLUDED IN OPENAIRE'S CONTRACT SCOPE AND IS TO BE PERFORMED BY OTHERS.</p>	<p>1) SINCE THIS IS A LOW VOLTAGE SYSTEM, IT IS TYPICAL FOR THE MOTORS TO BE INSTALLED BY OPENAIRE CREW AND FOR THE WIRE NOT TO BE PLACED IN CONDUIT. HOWEVER, SHOULD LOCAL CODE DICTATE THIS SYSTEM BE INSTALLED BY A LICENSED ELECTRICIAN AND THE WIRES TO BE PLACED IN CONDUIT, THE CONDUIT AND THE ELECTRICAL SYSTEM IS TO BE DONE BY THE ELECTRICAL CONTRACTOR</p> <p>2) OPENAIRE CONTROL PANEL 120V, 30 AMP. PANEL SIZE IS 30" x 24" x 8"</p> <p>3) KEEP 18" CLEAR SPACE ALL AROUND FOR VENTILATION</p> <p>4) PLEASE ADVISE CONTROL BOX LOCATION AND RUNNING DISTANCE OF WIRE TO NEAREST OPENAIRE COLUMN</p>	N/A	<p>1) THE GENERAL CONTRACTOR SHALL INSTALL A STRUCTURAL CURB/FOUNDATION AS SHOWN ON DRAWINGS</p> <p>2) FASTENERS BY OTHER TRADES APPLIED TO STRUCTURAL ALUMINUM FRAMING SYSTEMS FOR SUPPORT OF HVAC DUCT, SPRINKLER SYSTEM, ELECTRICAL CONDUIT, ETC. SHALL BE 300 SERIES STAINLESS STEEL AND BE APPROVED BY OPENAIRE</p>	<p>1) IN ORDER TO ACCESS OPENAIRE DRIVE SYSTEM, ACCESS WOULD BE REQUIRED WITH EXTENSION LADDER AND SCAFFOLD. ARCHITECT/GC SHOULD ENSURE SUCH EQUIPMENT HAVE ACCESS TO THE ENCLOSURE</p>	<p>1) WIRES WILL BE CONNECTED TO THE MOTORS, CONCEALED WITHIN THE OPENAIRE SYSTEM AND BROUGHT TO THE EDGE OF THE SKYLIGHT. INSTALLATION IF THE WIRING BETWEEN THE SKYLIGHT AND THE CONTROL BOX IS BY OTHERS</p> <p>2) ALL CONDUIT IS BY OTHERS</p>																																																								
					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">CONTRACT</td> <td colspan="2">SOUTHWAY INN OTTAWA, ON</td> </tr> <tr> <td colspan="2">TITLE</td> <td colspan="2">FLOOR PLAN</td> </tr> <tr> <td colspan="2">ACAD ID</td> <td colspan="2"></td> </tr> <tr> <td>No.</td> <td>Date</td> <td>Notes</td> <td></td> </tr> <tr> <td>1</td> <td>2015-04-11</td> <td>PERMIT SUBMISSION</td> <td></td> </tr> <tr> <td>0</td> <td>2014-12-23</td> <td>PERMIT SUBMISSION</td> <td></td> </tr> <tr> <td colspan="2">SCALE</td> <td colspan="2">3/16"=1'-0"</td> </tr> <tr> <td colspan="2">DRAWN</td> <td colspan="2">W.Y.</td> </tr> <tr> <td colspan="2">DATE DRAWN</td> <td colspan="2">2012-12-16</td> </tr> <tr> <td colspan="2">CHECKED</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">CONTRACT CODE</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">RELEASE No.</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">DRAWING No.</td> <td colspan="2">0</td> </tr> <tr> <td colspan="2">1</td> <td colspan="2"></td> </tr> </table>	CONTRACT		SOUTHWAY INN OTTAWA, ON		TITLE		FLOOR PLAN		ACAD ID				No.	Date	Notes		1	2015-04-11	PERMIT SUBMISSION		0	2014-12-23	PERMIT SUBMISSION		SCALE		3/16"=1'-0"		DRAWN		W.Y.		DATE DRAWN		2012-12-16		CHECKED				CONTRACT CODE				RELEASE No.				DRAWING No.		0		1			
CONTRACT		SOUTHWAY INN OTTAWA, ON																																																											
TITLE		FLOOR PLAN																																																											
ACAD ID																																																													
No.	Date	Notes																																																											
1	2015-04-11	PERMIT SUBMISSION																																																											
0	2014-12-23	PERMIT SUBMISSION																																																											
SCALE		3/16"=1'-0"																																																											
DRAWN		W.Y.																																																											
DATE DRAWN		2012-12-16																																																											
CHECKED																																																													
CONTRACT CODE																																																													
RELEASE No.																																																													
DRAWING No.		0																																																											
1																																																													
					<p style="text-align: center;"><b>OpenAire</b></p> <p>2360B CORNWALL ROAD Oakville, Ontario, L6J7T9 Tel: (905)901-8535 Fax: (905)901-9662</p>																																																								

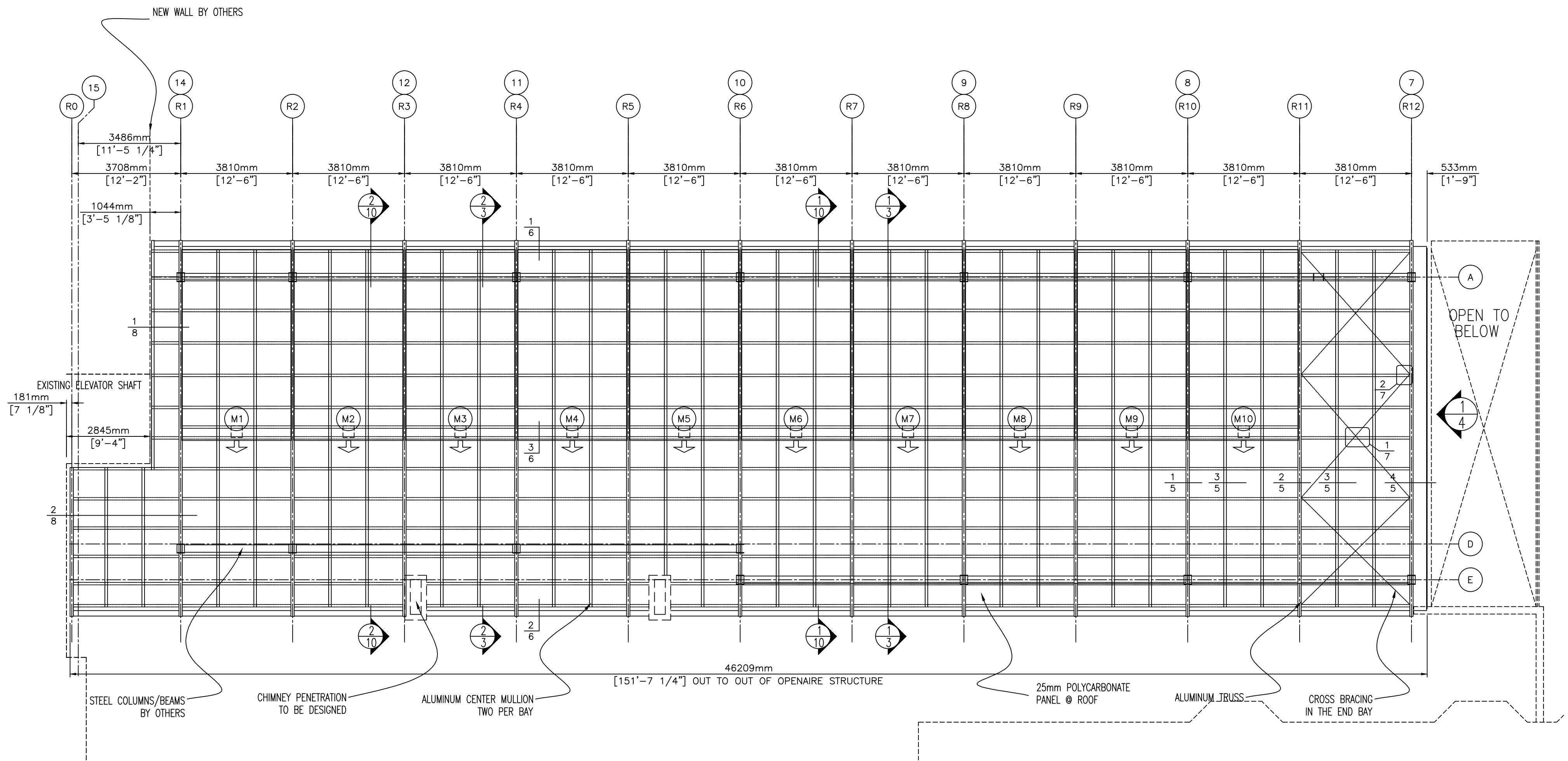


M: Moment connection-STRUCTURAL STEEL TRUSS  
 P: pinned connection-ALUMINUM TRUSS



APPROVED FOR STRUCTURAL DESIGN ONLY

		CONTRACT	
		SOUTHWAY INN	
		OTTAWA, ON	
		TITLE	
		FLOOR PLAN	
1	2015-04-11	PERMIT SUBMISSION	ACAD ID
0	2014-12-23	PERMIT SUBMISSION	
No.	Date	Notes	SCALE
			1:100
REVISION			DRAWN
			W.Y.
			CHECKED
			RELEASE No.
			1
2360B CORNWALL ROAD Oakville, Ontario, L6J7T9 Tel: (905)901-8535 Fax: (905)901-9662			
		DRAWING No.	1



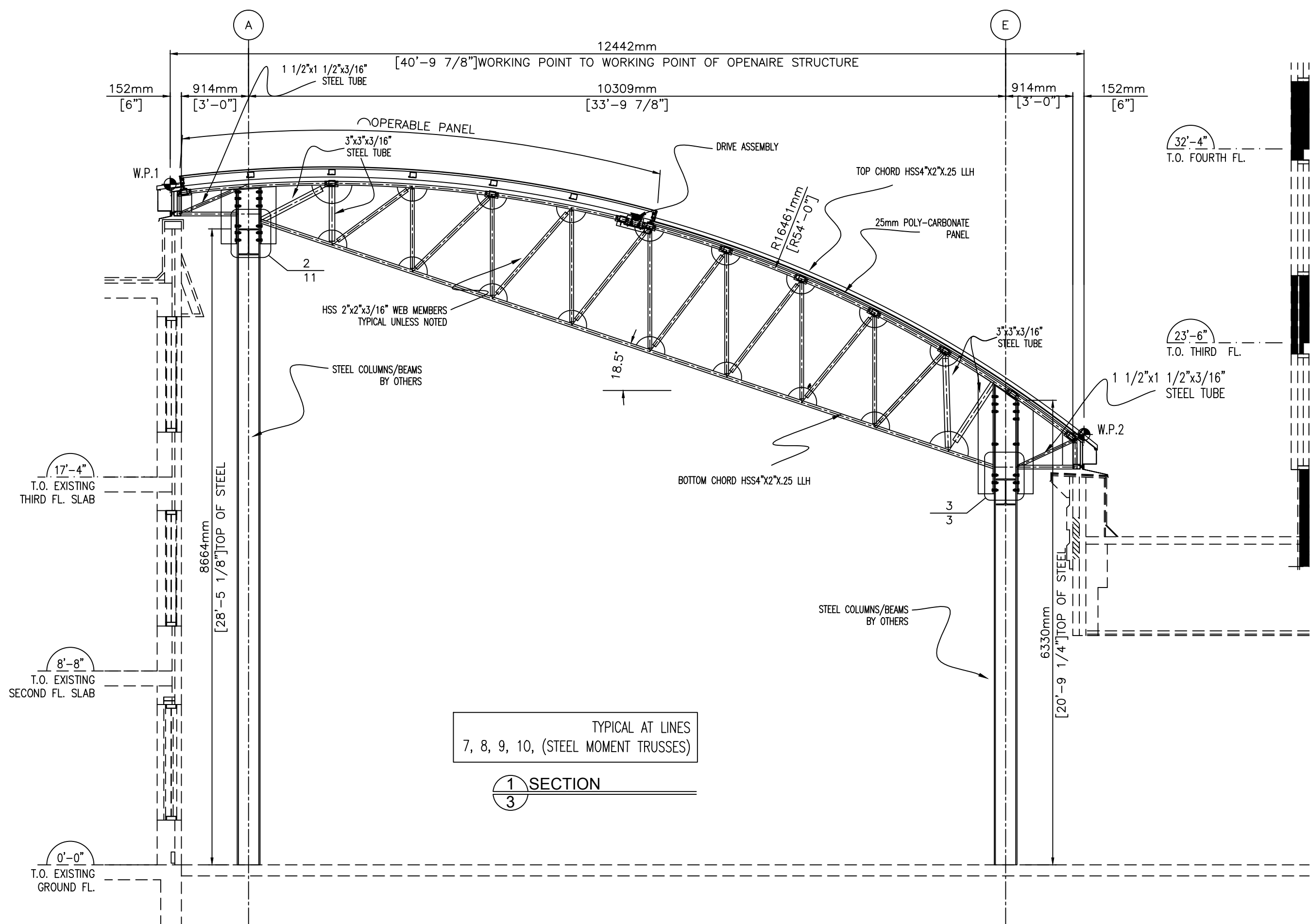
1 ROOF PLAN  
2



APPROVED FOR STRUCTURAL DESIGN ONLY

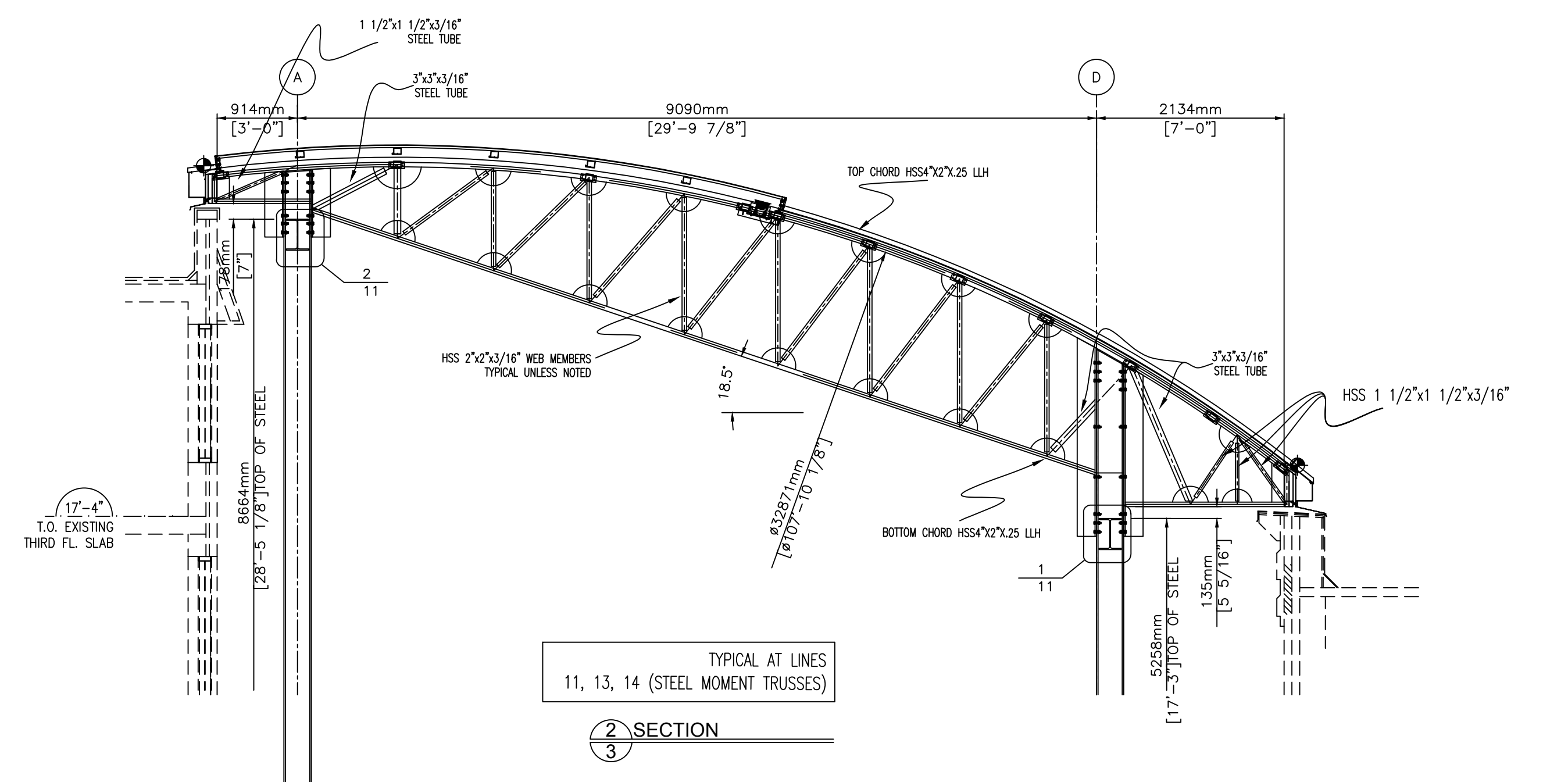
CONTRACT		SOUTHWAY INN	
		OTTAWA, ON	
TITLE		ROOF PLAN	
1	2015-04-11	PERMIT SUBMISSION	ACAD ID
0	2014-12-23	PERMIT SUBMISSION	
No.	Date	Notes	SCALE
REVISION			1:100
DATE DRAWN		2012-12-16	DRAWN
CONTRACT CODE			W.Y.
DRAWING No.		2	CHECKED
RELEASE No.			1

**OpenAire**  
 2360B CORNWALL ROAD  
 Oakville, Ontario, L6J7T9  
 Tel: (905)901-8535 Fax: (905)901-9662



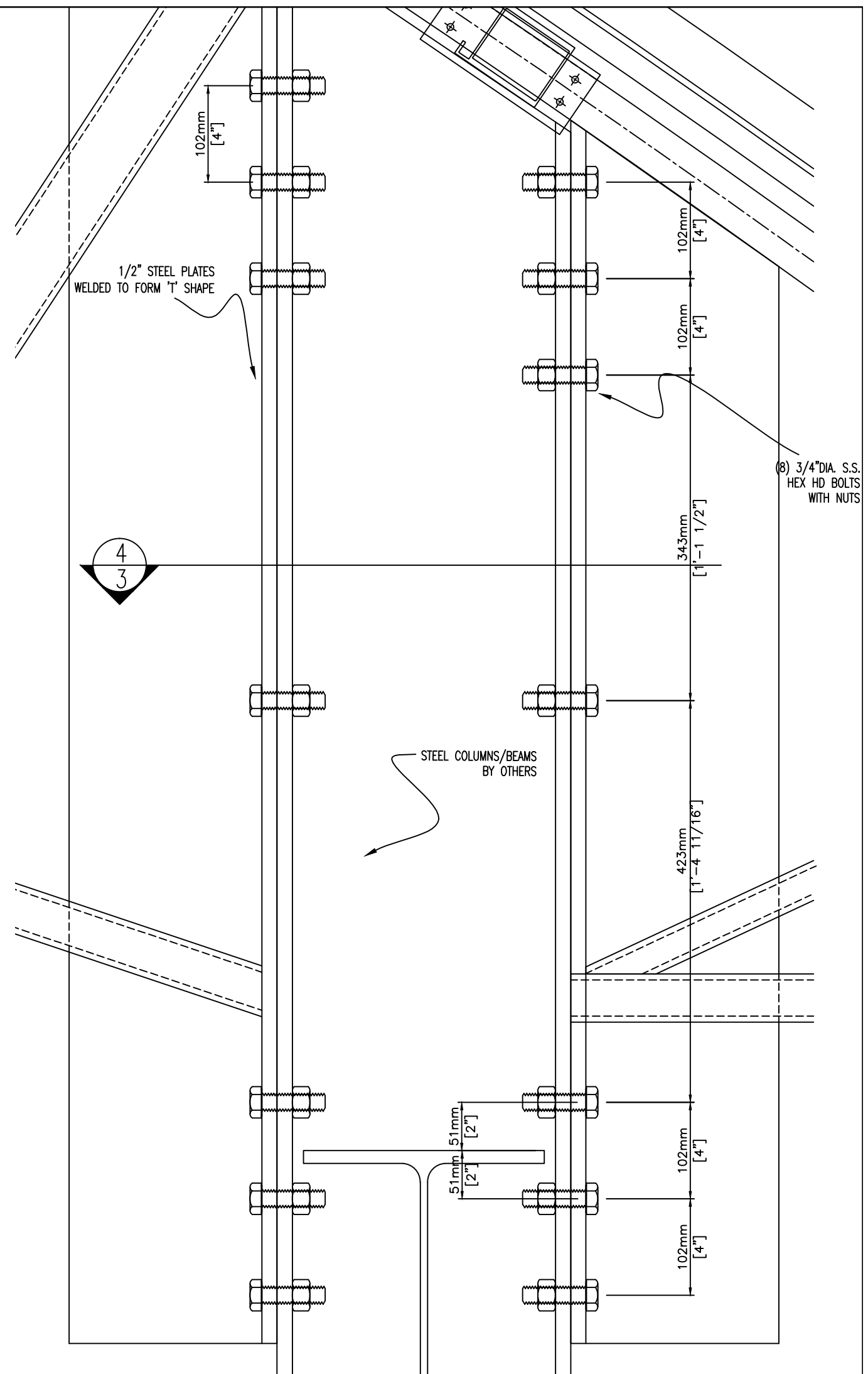
TYPICAL AT LINES  
7, 8, 9, 10, (STEEL MOMENT TRUSSES)

1 SECTION  
3

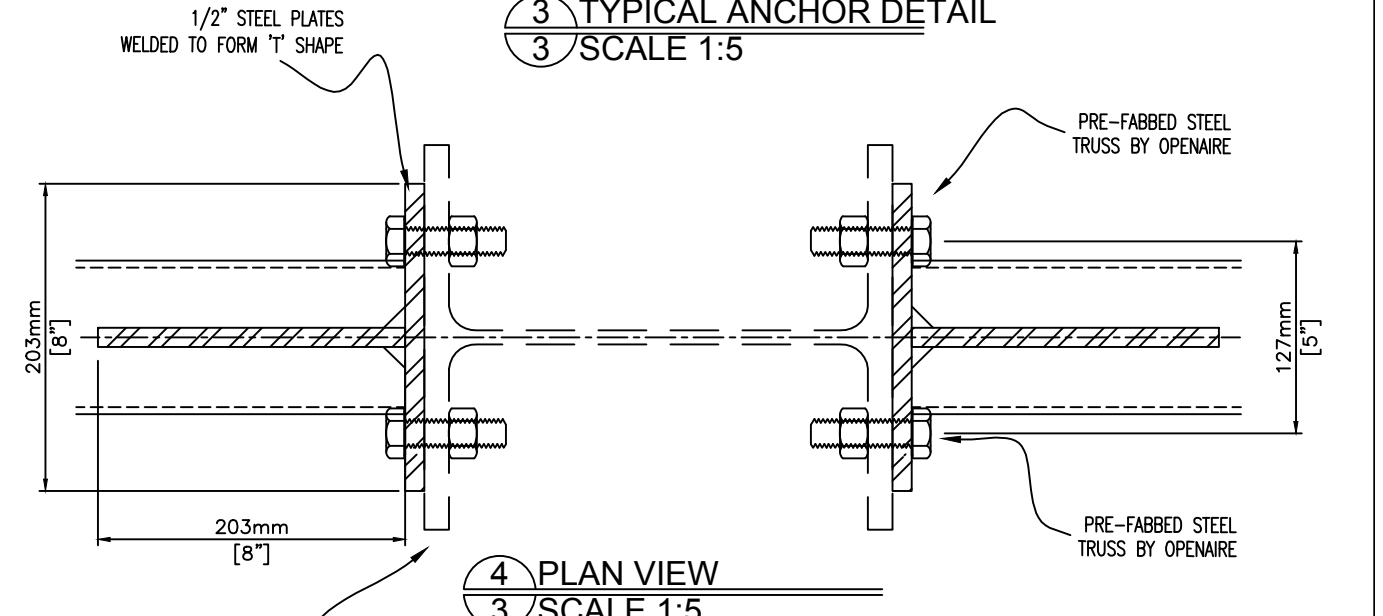


TYPICAL AT LINES  
11, 13, 14 (STEEL MOMENT TRUSSES)

2 SECTION  
3




3 TYPICAL ANCHOR DETAIL  
3 SCALE 1:5




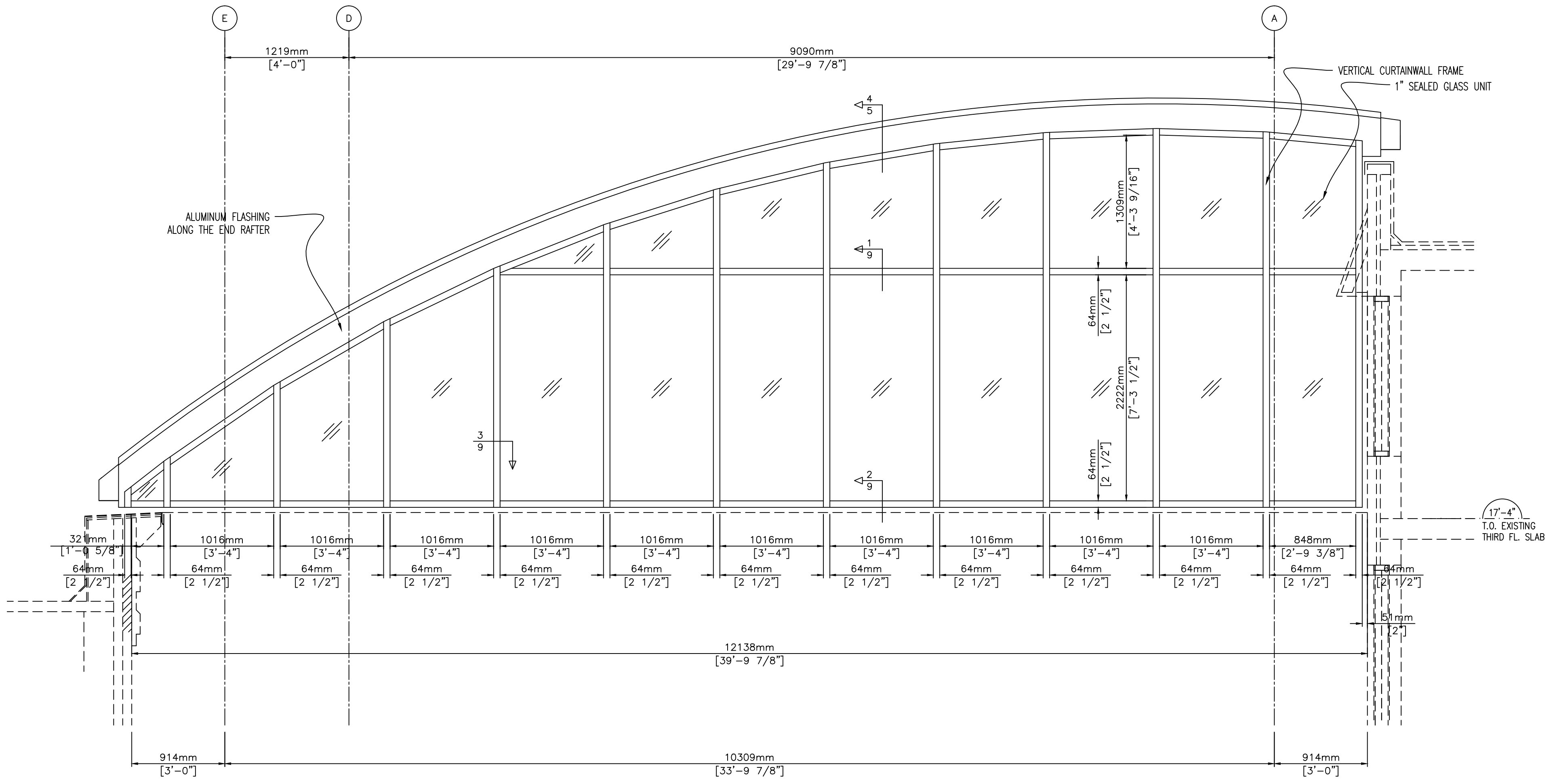
4 PLAN VIEW  
3 SCALE 1:5

APPROVED FOR STRUCTURAL DESIGN ONLY

  
 KALENDA  
 100080319  
 PROVINCE OF ONTARIO

CONTRACT		SOUTHWAY INN	
		OTTAWA, ON	
TITLE		ELEVATIONS	
1	2015-04-11	PERMIT SUBMISSION	ACAD ID
0	2014-12-23	PERMIT SUBMISSION	
No.	Date	Notes	SCALE
			1:50
REVISION		DATE DRAWN	W.Y.
		2012-12-16	
		CONTRACT CODE	CHECKED
		DRAWING No.	RELEASE No.
		3	1

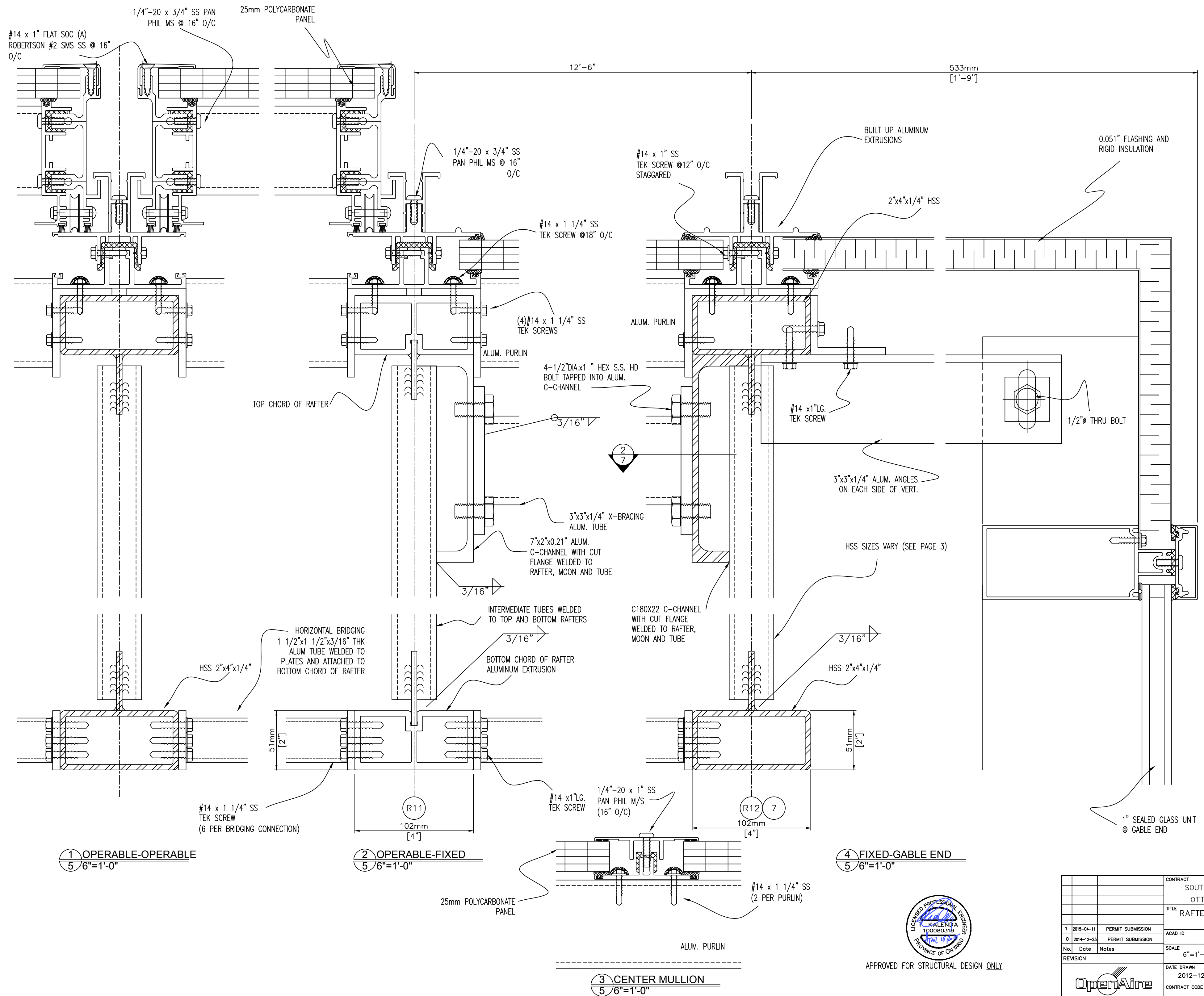
  
 2360B CORNWALL ROAD  
 Oakville, Ontario, L6J7T9  
 Tel: (905)901-8535 Fax: (905)901-9662



APPROVED FOR STRUCTURAL DESIGN ONLY

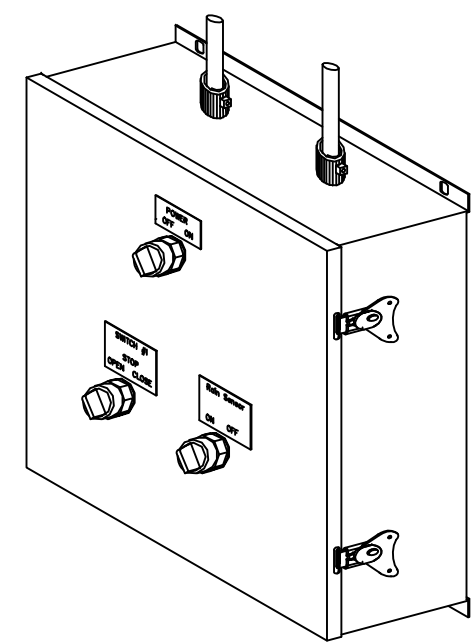
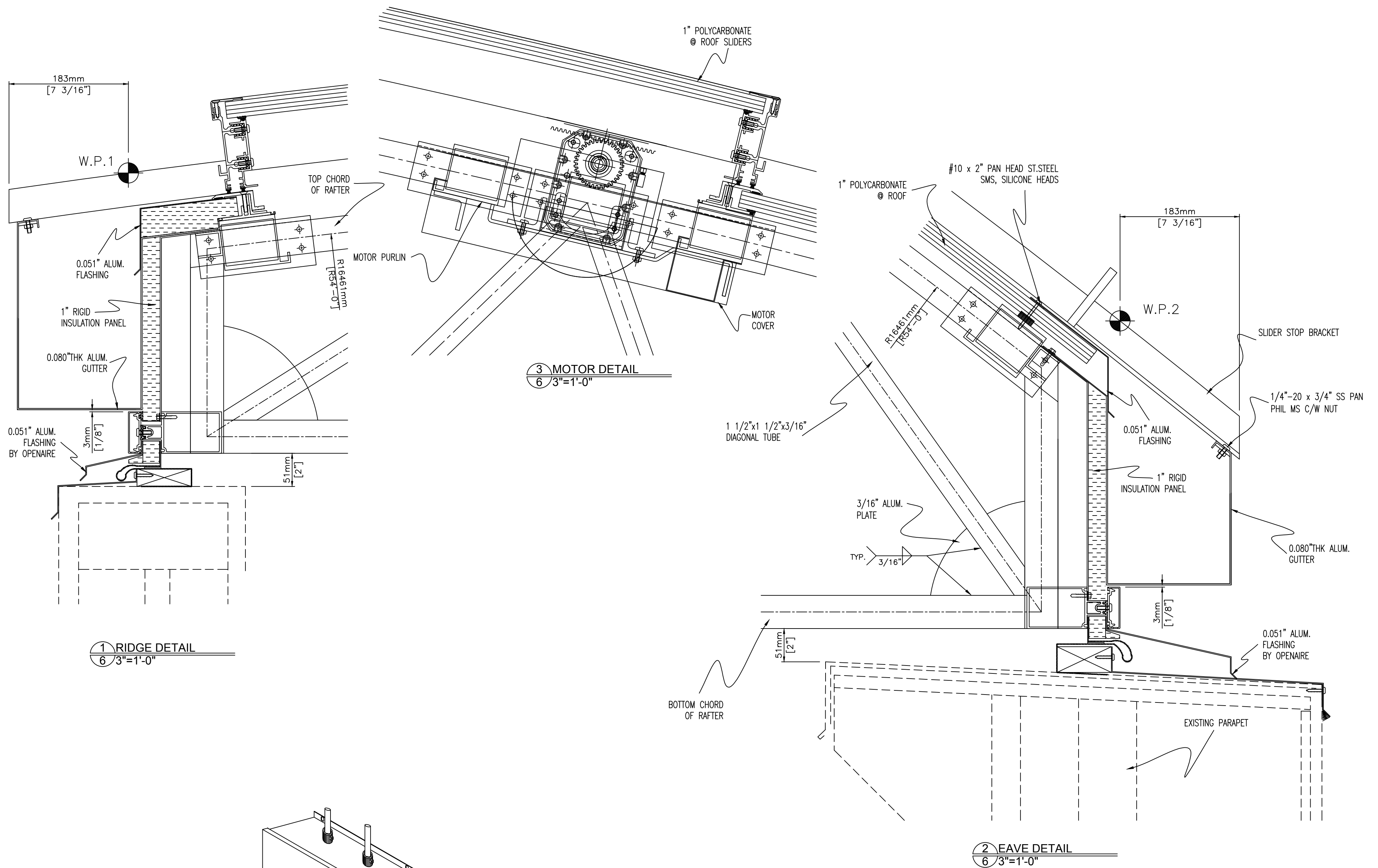
CONTRACT		SOUTHWAY INN	
		OTTAWA, ON	
TITLE		ELEVATIONS	
		GABLE END	
1	2015-04-11	PERMIT SUBMISSION	ACAD ID
0	2014-12-23	PERMIT SUBMISSION	
No.	Date	Notes	SCALE
REVISION			1:30
			DRAWN
			W.Y.
DATE DRAWN			CHECKED
2012-12-16			
CONTRACT CODE			RELEASE No.
DRAWING No.			1
4			

**OpenAire**  
 2360B CORNWALL ROAD  
 Oakville, Ontario, L6J7T9  
 Tel: (905)901-8535 Fax: (905)901-9662



APPROVED FOR STRUCTURAL DESIGN ONLY

CONTRACT		SOUTHWAY INN	
		OTTAWA, ON	
TITLE		RAFTER DETAILS	
1	2015-04-11	PERMIT SUBMISSION	ACAD ID
0	2014-12-23	PERMIT SUBMISSION	
No.	Date	Notes	SCALE
			6"=1'-0"
REVISION		DATE DRAWN	DRAWN
		2012-12-16	W.Y.
		CHECKED	
		CONTRACT CODE	RELEASE No.
		DRAWING No.	1
<p>OpenAire          2360B CORNWALL ROAD          Oakville, Ontario, L6J7T9          Tel: (905)901-8535 Fax: (905)901-9662</p>			

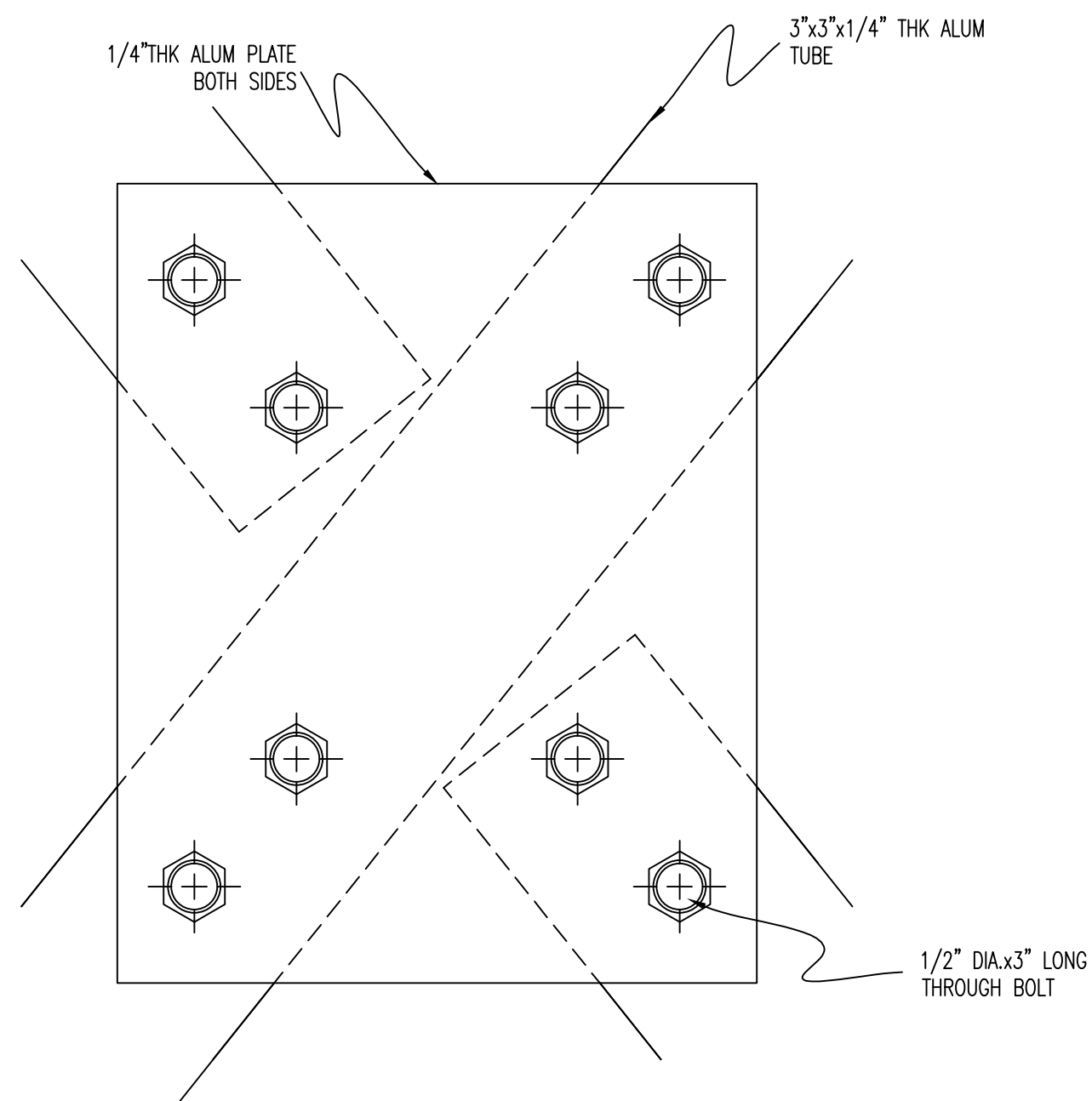


**OPENAIRE CONTROL PANEL**  
 120 VAC, SINGLE PHASE 20 AMP DEDICATED SERVICE.  
 CONDUIT TO BE SUPPLIED BY OTHERS TO RUN WIRE FROM MOTORS TO CONTROL PANEL LOCATION SHOULD PANEL BE LOCATED OUTSIDE OF OPENAIRE BUILDING.  
 ADVISE ON WIRE PATH DISTANCE.  
 16" OF CLEAR SPACE ON ALL SIDES REQUIRED FOR VENTILATION.

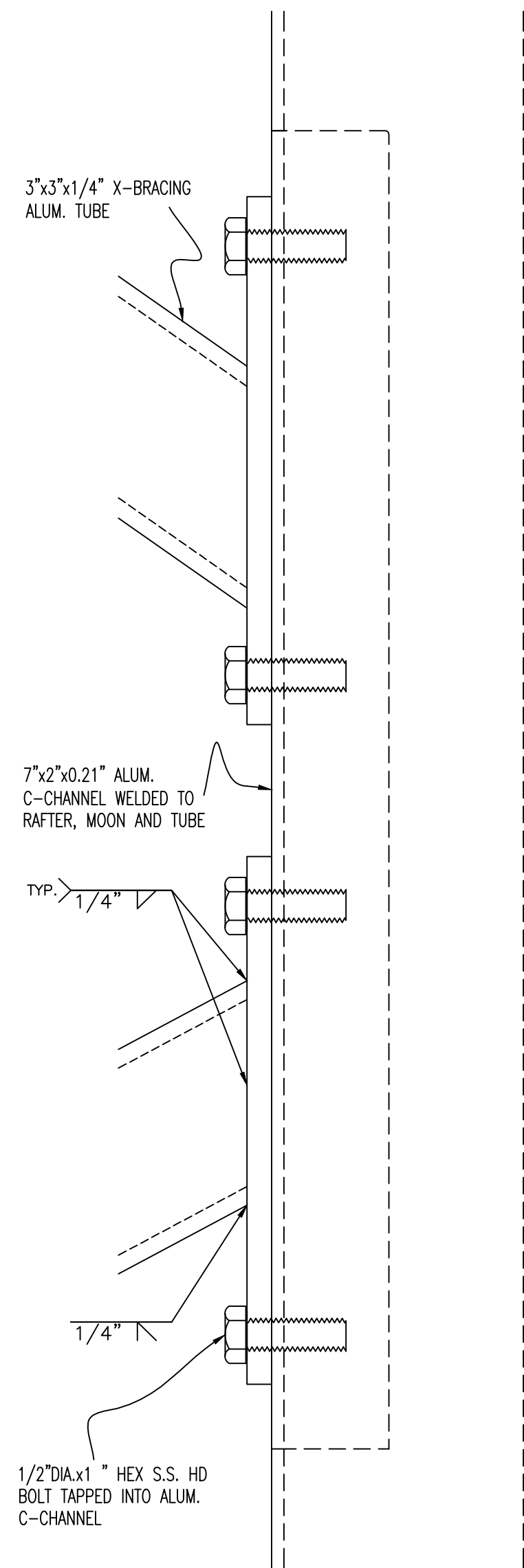
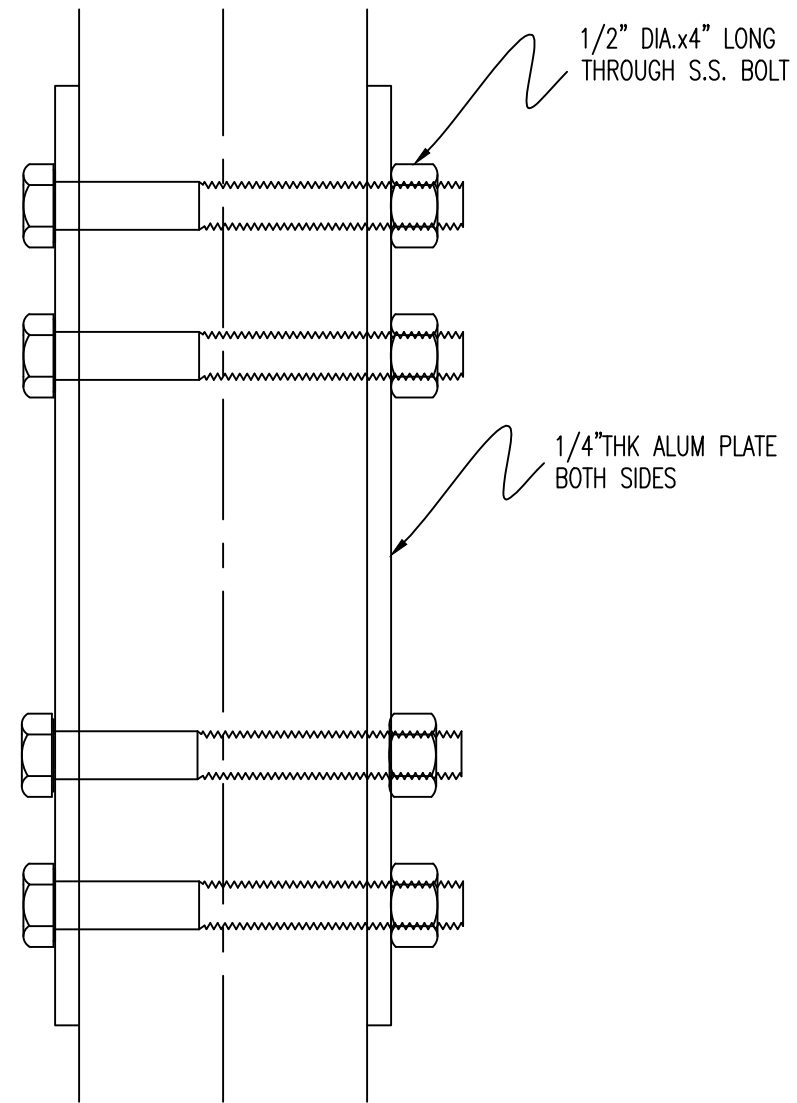


APPROVED FOR STRUCTURAL DESIGN ONLY

CONTRACT		SOUTHWAY INN	
		OTTAWA, ON	
TITLE		MOTOR/EAVE DETAIL	
1	2015-04-11	PERMIT SUBMISSION	ACAD ID
0	2014-12-23	PERMIT SUBMISSION	
No.	Date	Notes	SCALE
REVISION			AS NOTED
			DATE DRAWN
			2012-12-16
			CHECKED
			CONTRACT CODE
			RELEASE No.
			1
2360B CORNWALL ROAD Oakville, Ontario, L6J7T9 Tel: (905)901-8535 Fax: (905)901-9662			
DRAWING No.		6	



1 CROSS BRACING MID. CONNECT.  
7/6"=1'-0"



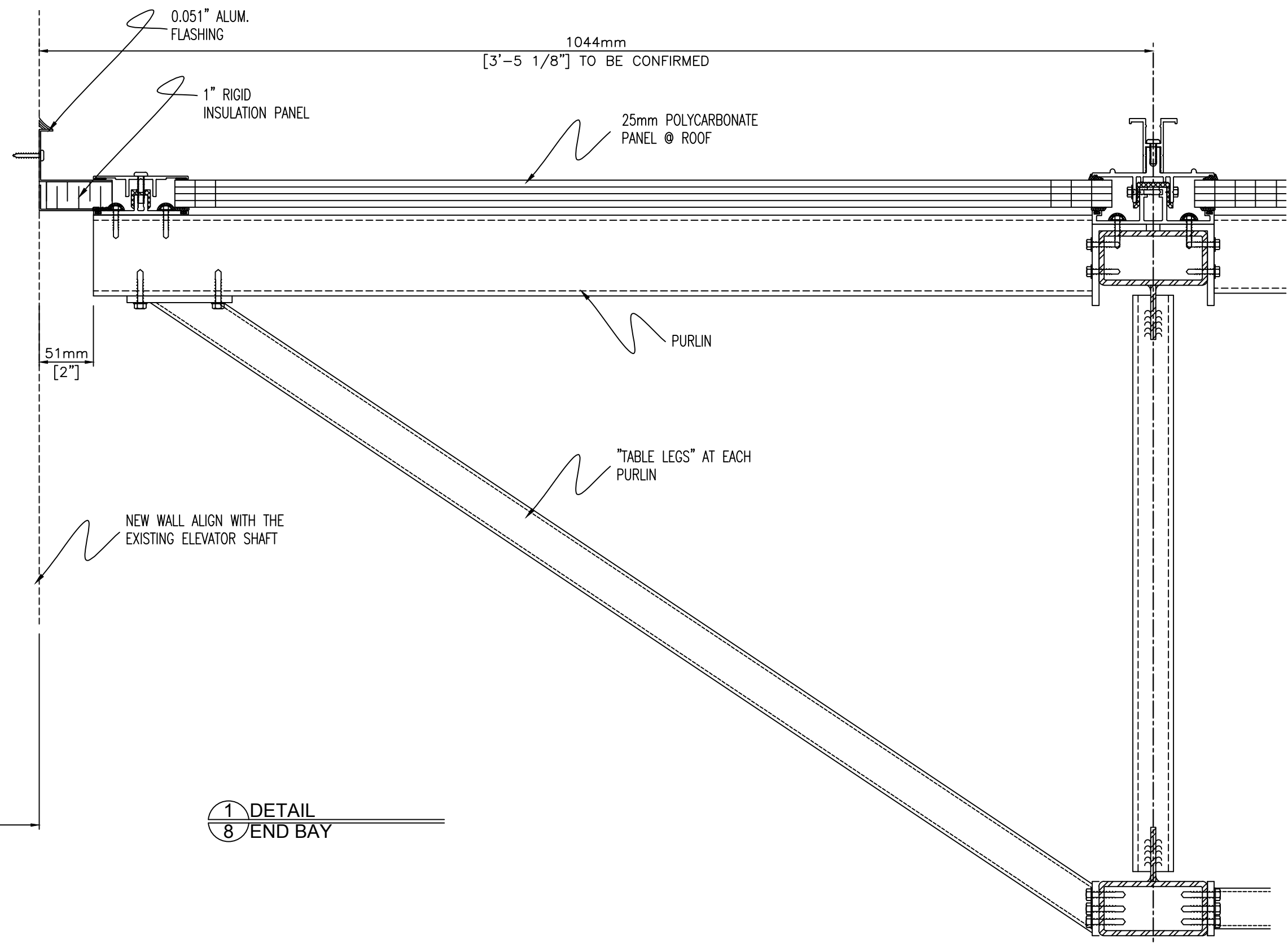
2 ROOF X-BRACING AT RAFTERS  
7/6"=1'-0"



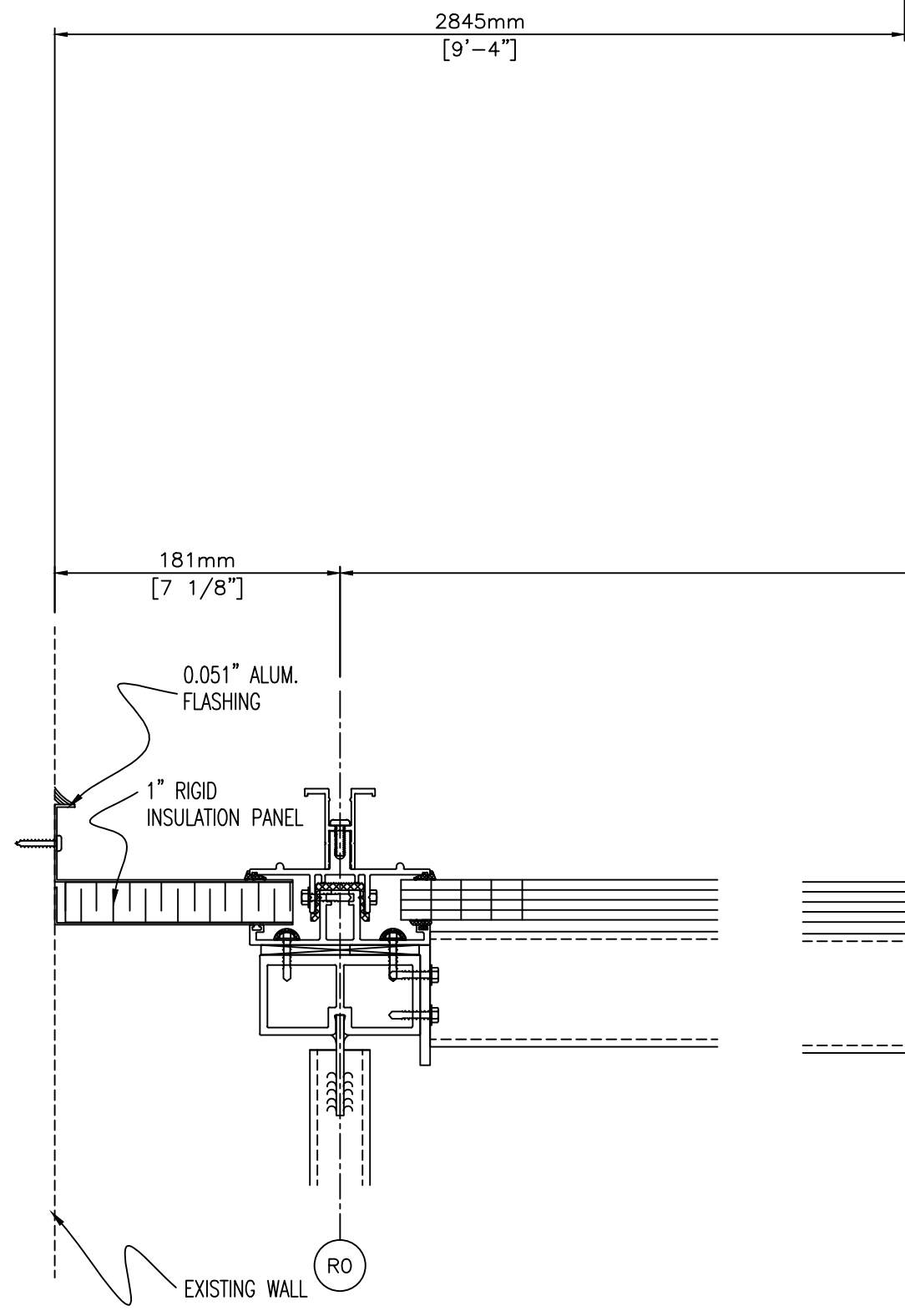
APPROVED FOR STRUCTURAL DESIGN ONLY

CONTRACT		SOUTHWAY INN OTTAWA, ON	
TITLE		X-BRACING	
1	2015-04-11	PERMIT SUBMISSION	ACAD ID
0	2014-12-23	PERMIT SUBMISSION	
No.	Date	Notes	SCALE
			3"=1'-0"
REVISION		DATE DRAWN	W.Y.
		2012-12-16	CHECKED
		CONTRACT CODE	RELEASE No.
		DRAWING No.	1
		7	

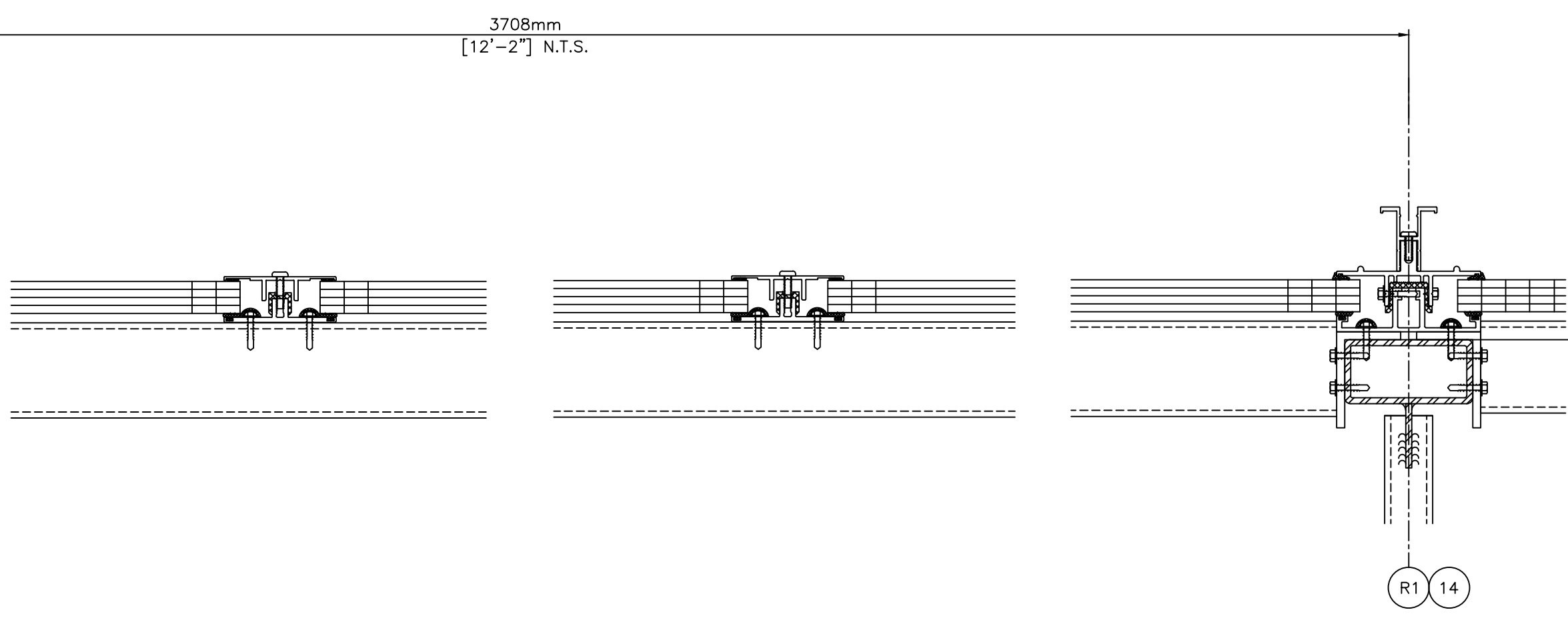
**OpenAire**  
2360B CORNWALL ROAD  
Oakville, Ontario, L6J7T9  
Tel: (905)901-8535 Fax: (905)901-9662



1 DETAIL  
8 END BAY



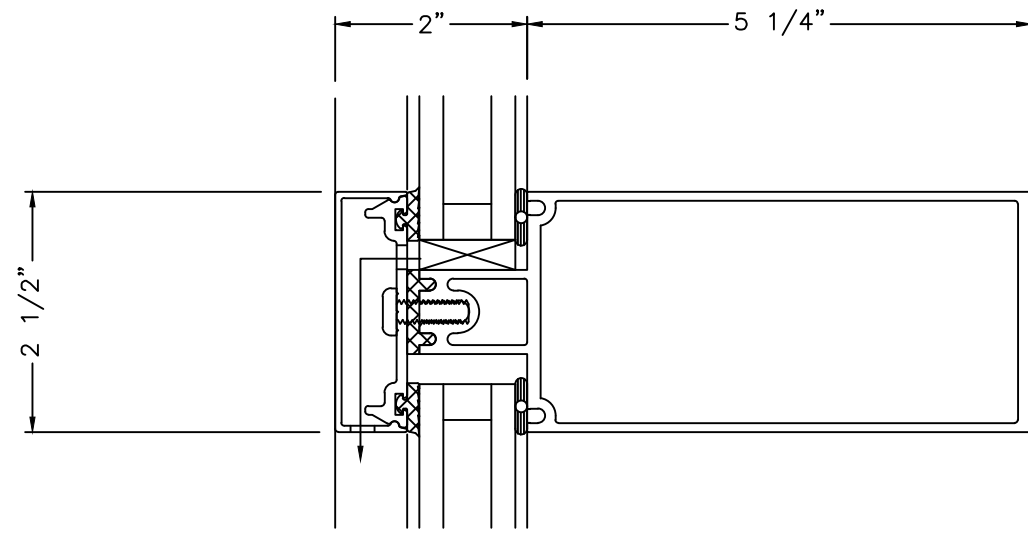
2 DETAIL  
8 END BAY



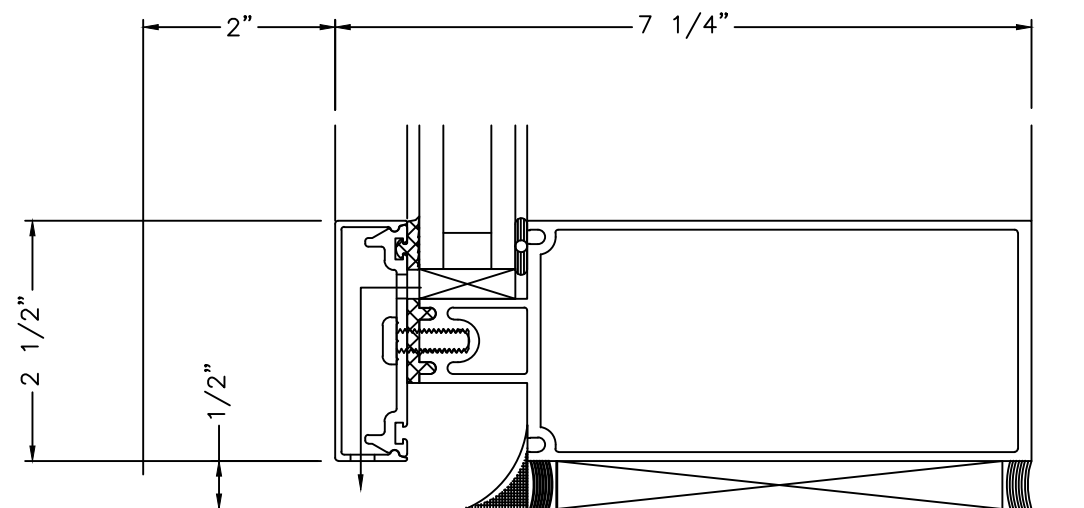
APPROVED FOR STRUCTURAL DESIGN ONLY

CONTRACT		SOUTHWAY INN	
		OTTAWA, ON	
TITLE		DETAIL	
		END BAY	
1	2015-04-11	PERMIT SUBMISSION	ACAD ID
0	2014-12-23	PERMIT SUBMISSION	
No.	Date	Notes	SCALE
			1:4
REVISION		DATE DRAWN	DRAWN
		2012-12-16	W.Y.
		CONTRACT CODE	CHECKED
		DRAWING No.	RELEASE No.
		8	1

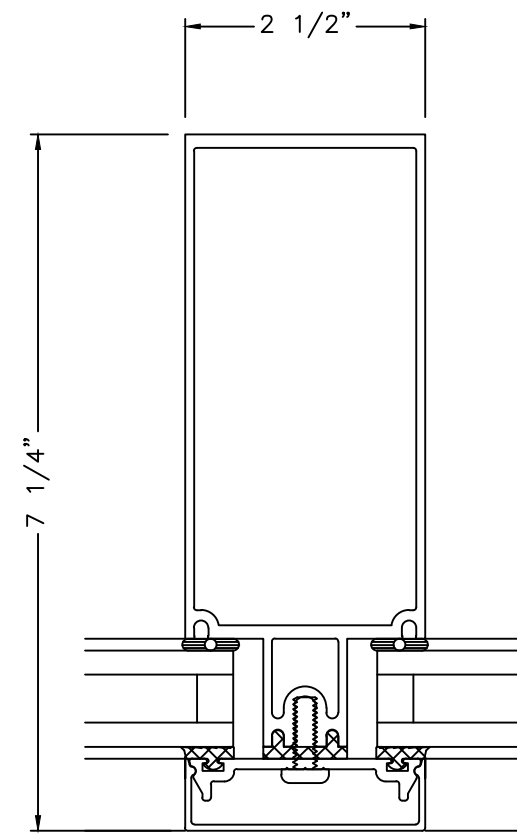
**OpenAire**  
2360B CORNWALL ROAD  
Oakville, Ontario, L6J7T9  
Tel: (905)901-8535 Fax: (905)901-9662



1 CW DETAIL  
9 6"=1'-0"

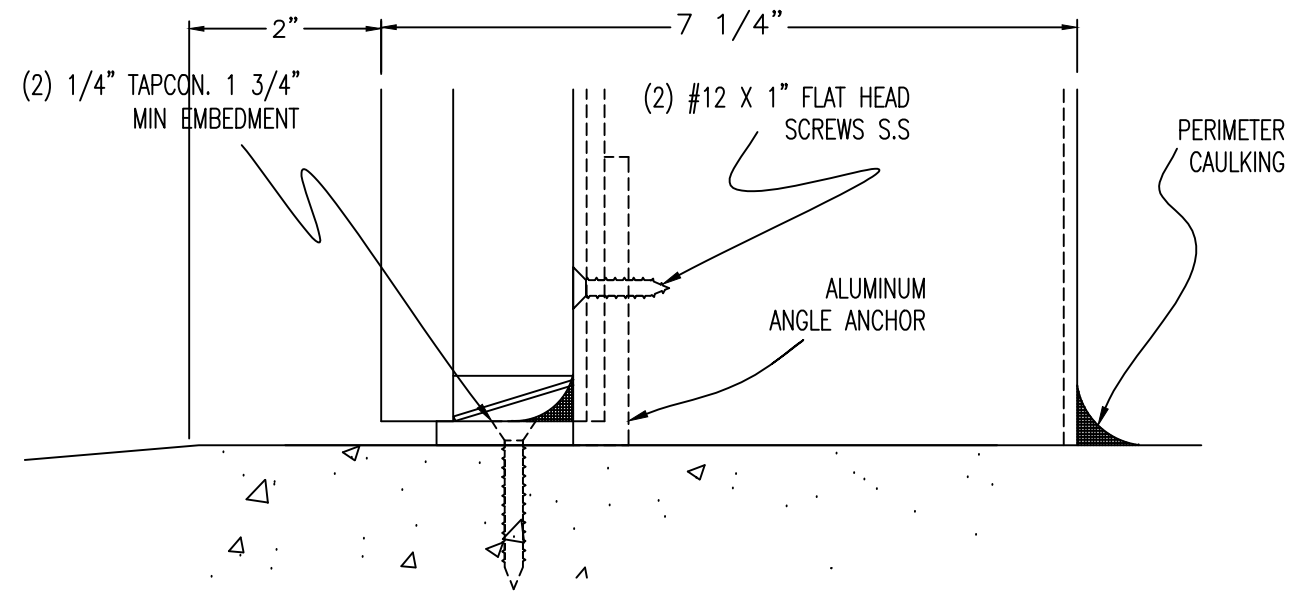


2 CW DETAIL  
9 6"=1'-0"



3 CW DETAIL  
9 6"=1'-0"

LEGEND  
CW=CURTAIN WALL



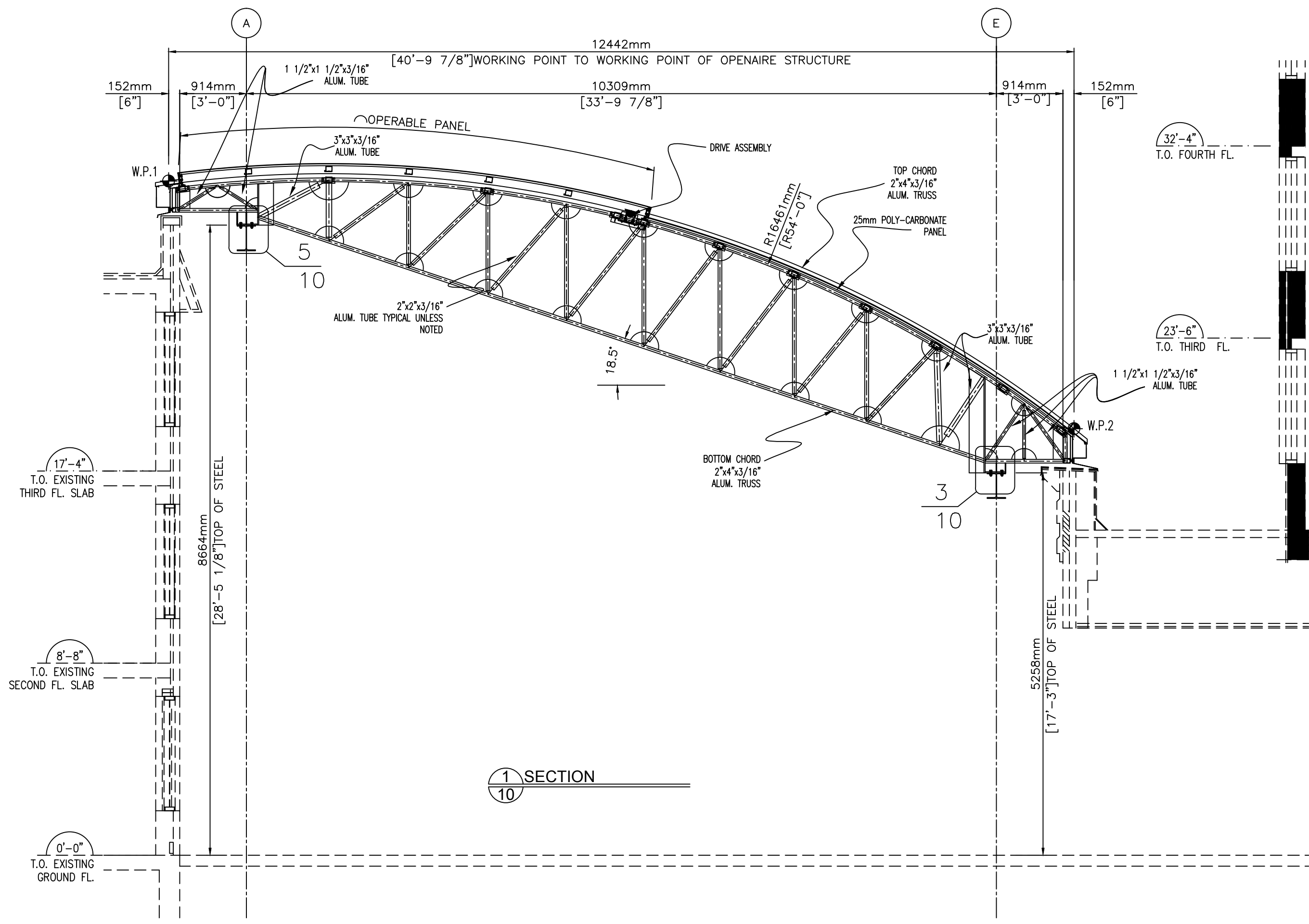
4 CW DETAIL  
9 6"=1'-0"



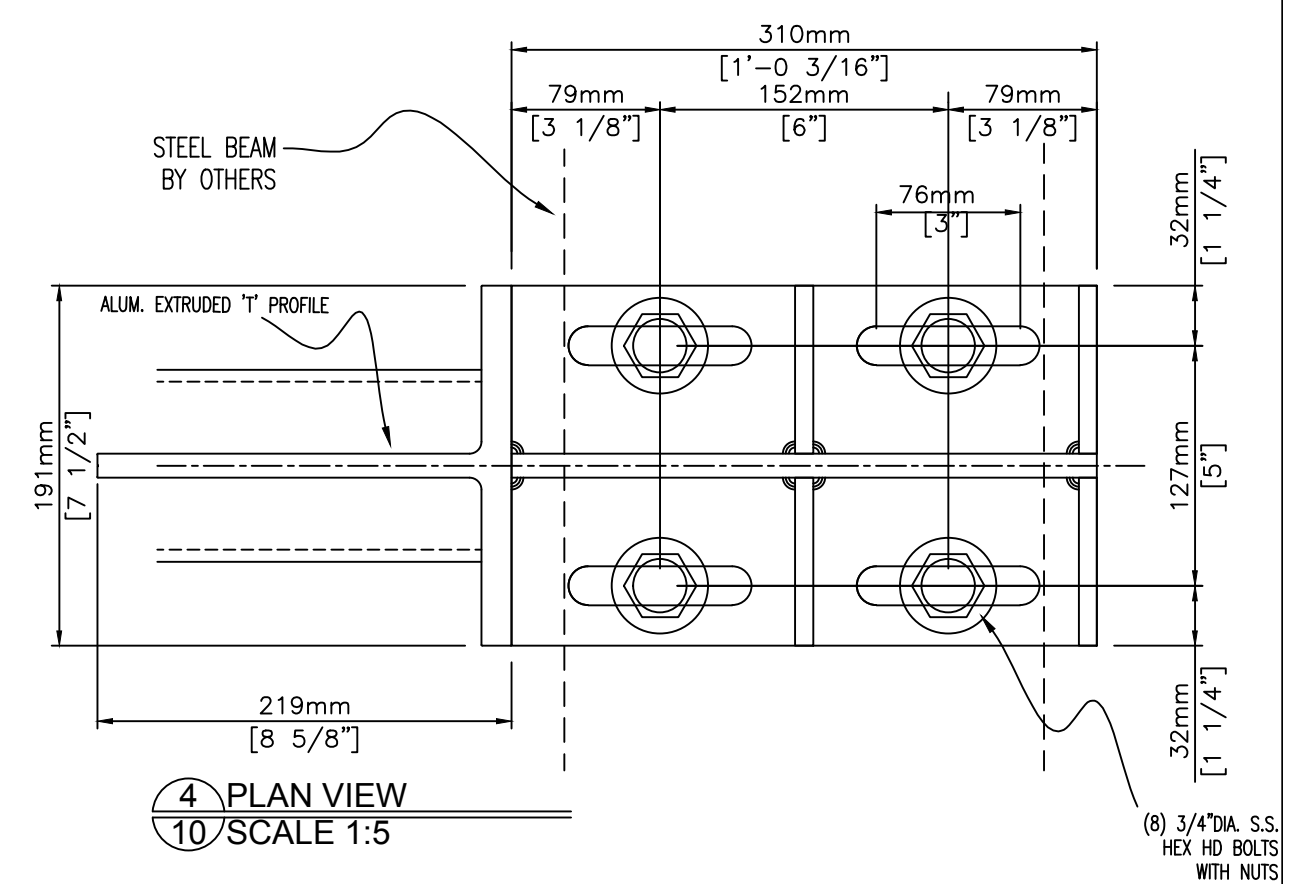
APPROVED FOR STRUCTURAL DESIGN ONLY

		CONTRACT		SOUTHWAY INN OTTAWA, ON	
		TITLE		VENT WINDOWS EXIT DOORS	
1	2015-04-11	PERMIT SUBMISSION	ACAD ID		
0	2014-12-23	PERMIT SUBMISSION	ACAD ID		
No.	Date	Notes	SCALE	6"=1'-0"	DRAWN
REVISION					W.Y.
			DATE DRAWN	2012-12-16	CHECKED
			CONTRACT CODE		RELEASE No.
			DRAWING No.	9	1

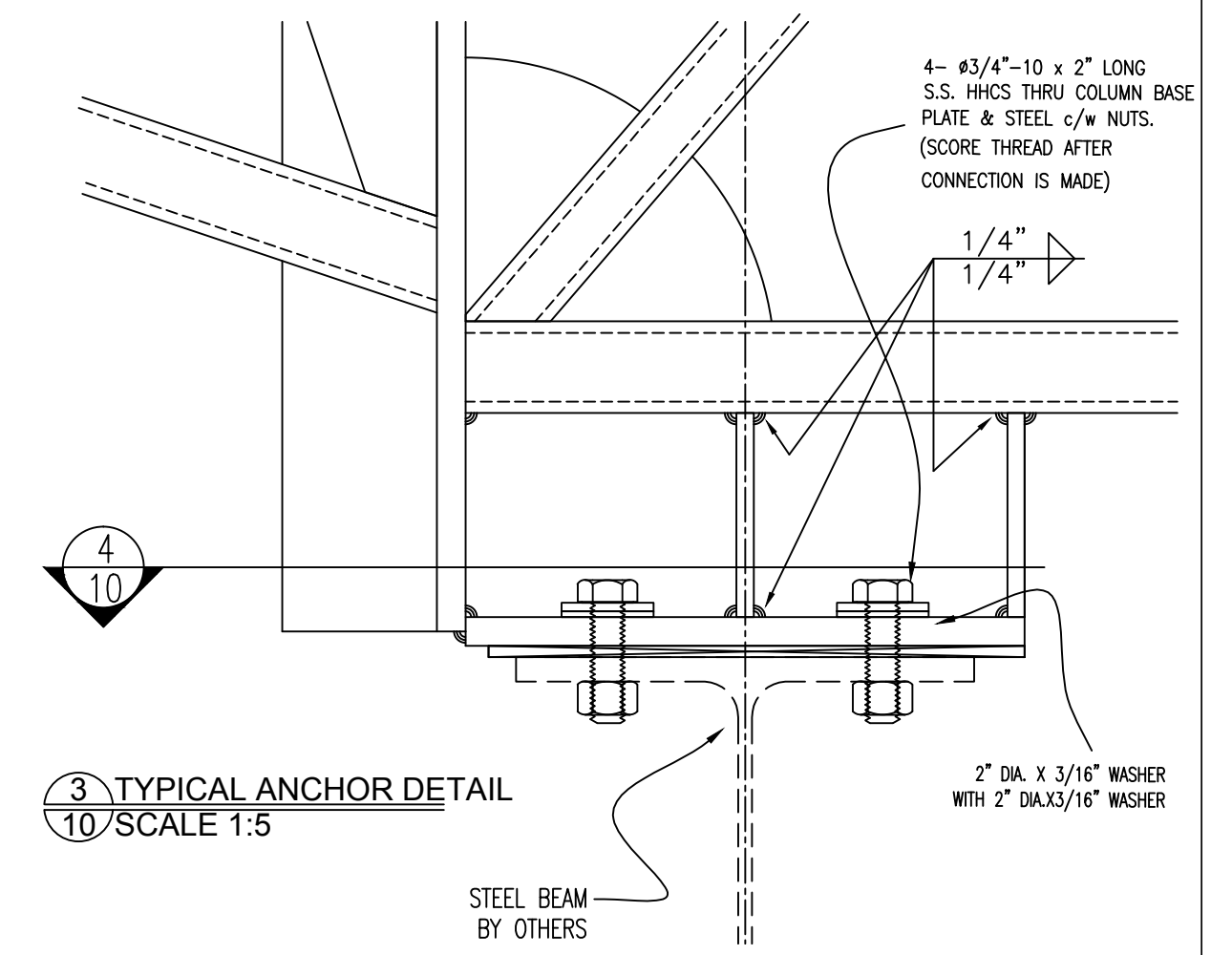
**OpenAire**  
2360B CORNWALL ROAD  
Oakville, Ontario, L6J7T9  
Tel: (905)901-8535 Fax: (905)901-9662



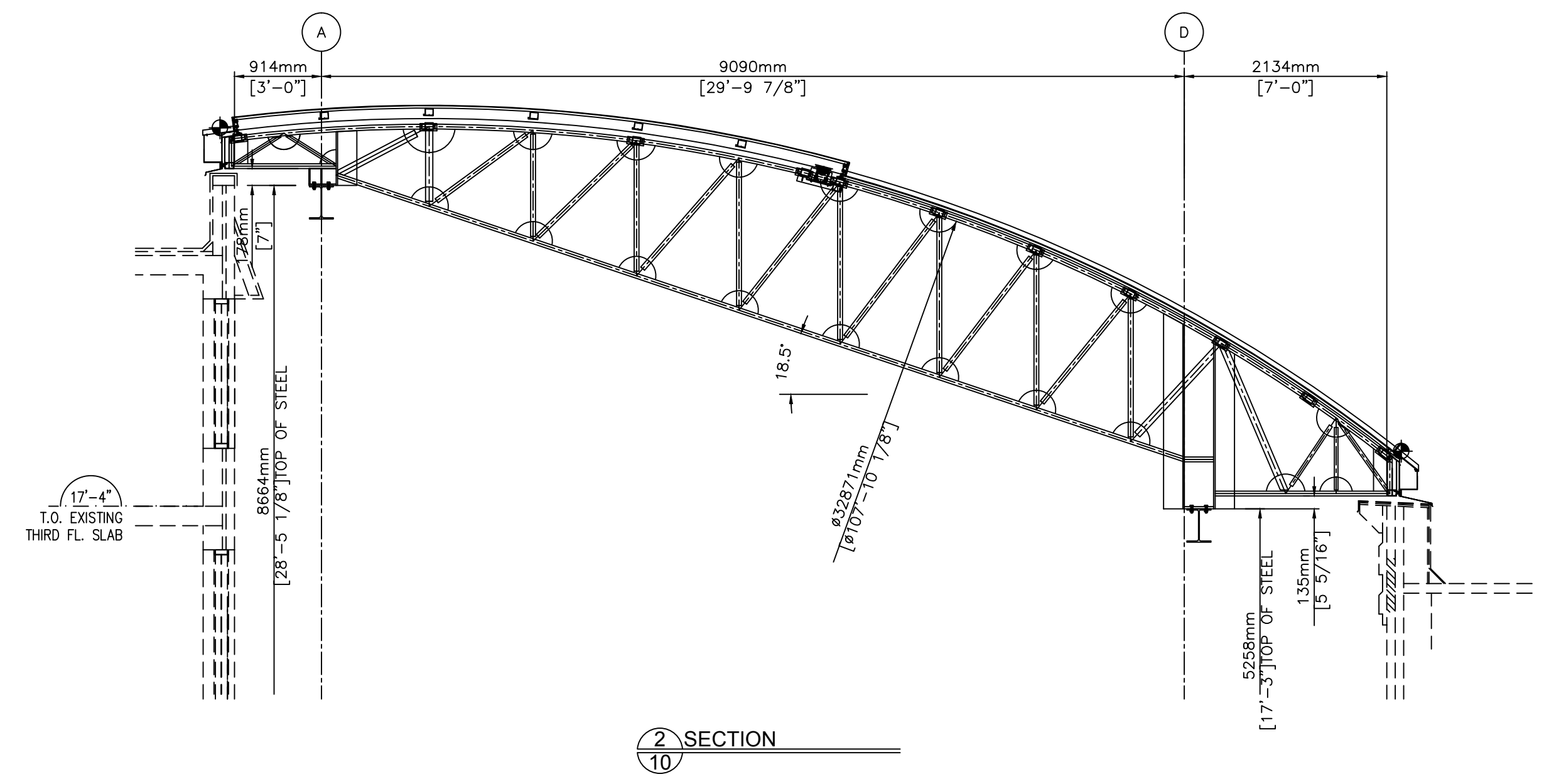
1 SECTION  
10



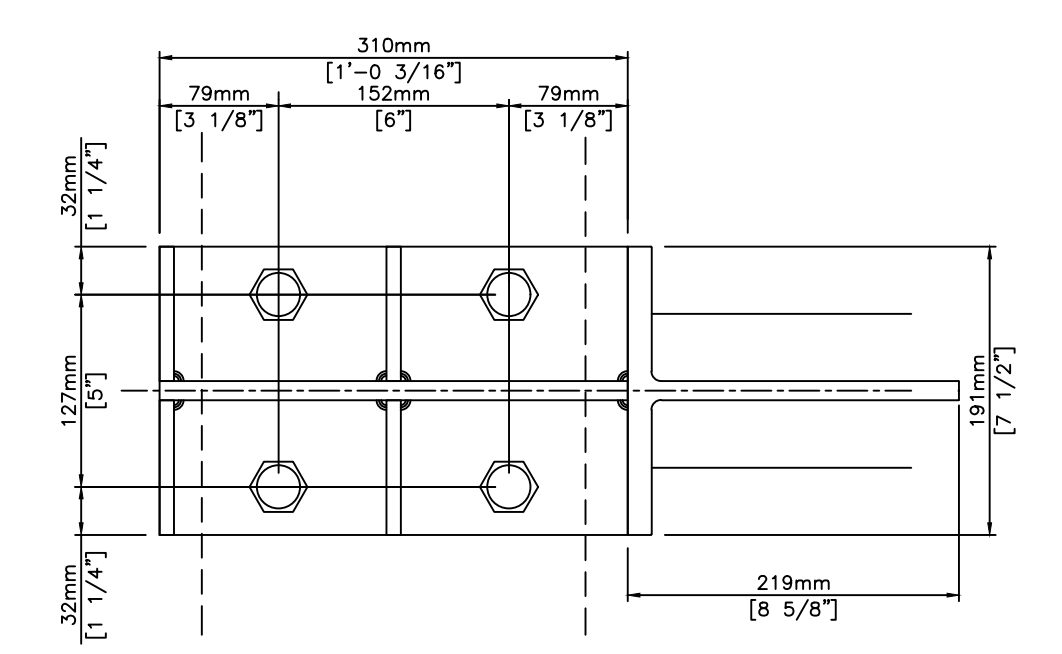
4 PLAN VIEW  
10/SCALE 1:5



3 TYPICAL ANCHOR DETAIL  
10/SCALE 1:5



2 SECTION  
10



5 TYPICAL ANCHOR DETAIL  
10/SCALE 1:4



APPROVED FOR STRUCTURAL DESIGN ONLY

CONTRACT		SOUTHWAY INN	
		OTTAWA, ON	
TITLE		SECTIONS THROUGH	
		ALUM. TRUSS	
1	2015-04-11	PERMIT SUBMISSION	ACAD ID
0	2014-12-23	PERMIT SUBMISSION	
No.	Date	Notes	SCALE
			1:50
REVISION		DATE DRAWN	2012-12-16
		CONTRACT CODE	
		DRAWING No.	10
		RELEASE No.	1
		DATE	2012-12-16
		CHECKED	
		W.Y.	

**OpenAire**  
2360B CORNWALL ROAD  
Oakville, Ontario, L6J7T9  
Tel: (905)901-8535 Fax: (905)901-9662

