



# Ontario Panelization

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## North American Roof Management

Attn: Denis Sykora

October 27<sup>th</sup> 2014

### The Palace Theatre (London, On) – Façade Upgrade

For the work associated with the above project and recognizing the following contract documents I am pleased to submit a quotation of:

**All Prices**  
(HST Extra)

- No drawings, or specifications seen;
- Governing preliminary Site Plan (October 2013);
- Governing site measurements taken by Ontario Panelization (October 24 2014);

<u>Budgets:</u>	<u>EIFS</u>	<u>Siding</u>
<b>Budget 1</b> .....	<b>\$ 23,260.00</b> .....	<b>\$ 38,600.00</b>
<b>Budget 2</b> .....	<b>\$ 87,480.00</b> .....	<b>\$ 135,240.00</b>
<b>Budget 3</b> .....	<b>\$ 15,200.00</b> .....	<b>\$ 21,420.00</b>
<b>Budget 4</b> .....	<b>\$ 56,990.00</b> .....	<b>\$ 100,725.00</b>

#### EIFS Options:

- Liquid applied air barrier/levelling compound;
- 1 ½" Channeled EPS (Expanded Polystyrene) Insulation:
  - Mechanically fastened to painted brick only;
  - Adhered at non-painted brick;
- Drip flashing at base of system only;
- Finish selected from standard colours and textures;

#### Siding Option

- 26GA standard siding profile (7/8" corrugated, Century Rib or similar) – standard finish;
- Sub-girts to mount siding to existing brick;
- Blueskin air barrier over existing brick;
- Flashings within system;
- Basic shop drawings;

#### Exclusions:

- Any removal of existing services, electrical or any fixtures;
- Gutters or downspouts;
- Winter work;
- Any repair or repointing of brick (may be required to make substrate ready for application);
- Any caulking or sealants – available at extra cost if required;

**Mike Murray**  
PROJECT MANAGER - ESTIMATOR

Quote valid for 60 day period from date of quotation submittal.

Terms: Payment Net 30 Days - Interest will be charged at 2% per month (26.82% per annum) on all overdue accounts.

# CLADDING

# CL3035

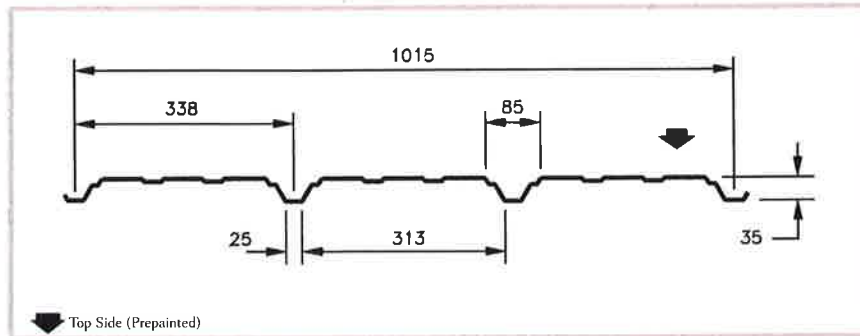
Metric

## PHYSICAL PROPERTIES

(PER METRE WIDTH)  
In accordance with CSA Specification S136-01

## LOAD TABLE

Maximum Specified Uniformly Distributed Load in kN/m<sup>2</sup> (kPa)



## LIMIT STATES DESIGN

### Note

1. Properties and loads are based on Grade 230 Steel with a minimum yield stress of 230 MPa, and a maximum stress under Factored loads of 207 MPa.

2. Row B indicate the load capacity based on strength. Strength capacity should be checked against [Specified Live Load] + [0.833 x Specified Dead Load].

3. Row D indicates the load capacity based on deflection of 1/180th span. For allowable deflection of 1/90th span, values in Row D can be doubled, but must not exceed the value in Row B. The symbol "\*" indicates the load for strength governs. Deflection capacity should be checked against Specified Load(s).

4. An \* indicates capacity has been reduced to account for web crippling.

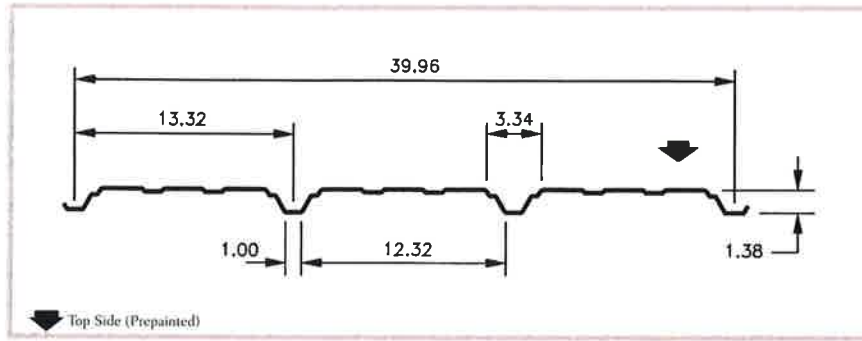
BASE STEEL NOMINAL THICKNESS (mm)	NOMINAL THICKNESS Z275 COATING (mm)	MASS WITH COATING (kg/m <sup>2</sup> )	SECTION MODULUS		MOMENT OF INERTIA MIDSPAN (mm <sup>4</sup> x 10 <sup>6</sup> )	FACTORED RESISTANCE MOMENT		REACTION	
			MIDSPAN (mm <sup>4</sup> x 10 <sup>6</sup> )	SUPPORT (mm <sup>4</sup> x 10 <sup>6</sup> )		MIDSPAN (Nm)	SUPPORT (Nm)	EXTERIOR (kN)	INTERIOR (kN)
0.46	0.50	4.73	1.79	2.22	41.7	370.5	459.5	1.8	2.6
0.61	0.65	6.12	2.47	2.95	62.3	511.3	610.7	3.0	4.5
0.76	0.80	7.52	3.18	3.67	84.8	658.3	759.7	4.5	6.8
0.91	0.95	8.94	3.90	4.39	108.5	807.3	908.7	6.3	9.6
1.22	1.26	—	—	—	—	—	—	—	—

SUPPORT SPACING (mm)		1-SPAN BASE STEEL NOMINAL THICKNESS (mm)					2-SPAN BASE STEEL NOMINAL THICKNESS (mm)					3-SPAN BASE STEEL NOMINAL THICKNESS (mm)				
		0.46	0.61	0.76	0.91	1.22	0.46	0.61	0.76	0.91	1.22	0.46	0.61	0.76	0.91	1.22
1000	B	2.0	2.7	3.5	4.3		1.4*	2.4*	3.6*	4.8		1.6*	2.7*	4.1*	5.8*	
	D	•	•	•	•		•	•	•	•		•	•	•	•	
1200	B	1.4	1.9	2.4	3.0		1.2*	2*	2.8	3.4		1.3*	2.3*	3.4*	4.2	
	D	•	•	•	•		•	•	•	•		•	•	•	•	
1400	B	1.0	1.4	1.8	2.2		1*	1.7	2.1	2.5		1.1*	1.9*	2.6	3.1	
	D	1.0	•	•	•		•	•	•	•		•	•	•	•	
1600	B		1.1	1.4	1.7		0.9*	1.3	1.6	1.9			1.6	2.0	2.4	
	D		1.0	1.3	•		•	•	•	•			•	•	•	
1800	B			1.1	1.3		0.8	1.0	1.3	1.5			1.3	1.6	1.9	
	D			0.9	1.2		•	•	•	•			•	•	•	
2000	B				1.1		0.6	0.8	1.0	1.2			1.0	1.3	1.5	
	D				0.9		•	•	•	•			1.0	•	•	
2200	B						0.5	0.7	0.8	1.0				1.0	1.3	
	D						•	•	•	•				1.0	1.3	
2400	B						0.4	0.6	0.7	0.8					1.1	
	D						•	•	•	•					1.0	
2600	B						0.4	0.5	0.6	0.7						
	D						•	•	•	•						
2800	B						0.3	0.4	0.5	0.6						
	D						0.3	•	•	•						
3000	B						0.3	0.4	0.5	0.5						
	D						0.2	0.4	•	•						

# CLADDING

# CL3035

Imperial



## LIMIT STATES DESIGN

### PHYSICAL PROPERTIES

BASE STEEL NOMINAL THICKNESS (inches)	NOMINAL THICKNESS Z275 COATING (inches)	MASS WITH COATING (lb/ft <sup>2</sup> )	SECTION MODULUS		MOMENT OF INERTIA MIDSPAN (inches <sup>4</sup> )	FACTORED RESISTANCE MOMENT		FACTORED RESISTANCE REACTION	
			MIDSPAN (inches <sup>3</sup> )	SUPPORT (inches <sup>3</sup> )		MIDSPAN (lb-in)	SUPPORT (lb-in)	EXTERIOR (pounds)	INTERIOR (pounds)
0.018	0.020	0.969	0.0333	0.0413	0.0305	988.8	1226.4	123	178
0.024	0.026	1.253	0.0459	0.0549	0.0456	1364.5	1629.6	206	308
0.030	0.032	1.540	0.0591	0.0683	0.0621	1756.7	2027.4	308	466
0.036	0.038	1.831	0.0725	0.0817	0.0795	2154.4	2425.1	432	658
0.048	0.050	—	—	—	—	—	—	—	—

### Note

1. Properties and loads are based on Grade 33 Steel with a minimum yield stress of 33,000 psi, and a maximum stress under Factored loads of 29,700 psi.

2. Row B indicates the load capacity based on strength. Strength capacity should be checked against [Specified Live Load] + [0.833 x Specified Dead Load].

3. Row D indicates the load capacity based on deflection of 1/180th span. For allowable deflection of 1/90th span, values in Row D can be doubled, but must not exceed the value in Row B. The symbol "\*" indicates the load for strength governs. Deflection capacity should be checked against Specified Load(s).

4. An \* indicates capacity has been reduced to account for web crippling.

### LOAD TABLE

Maximum specified Uniformly Distributed load in lb/ft<sup>2</sup> (psf)

SUPPORT SPACING		1-SPAN BASE STEEL NOMINAL THICKNESS (inches)					2-SPAN BASE STEEL NOMINAL THICKNESS (inches)					3-SPAN BASE STEEL NOMINAL THICKNESS (inches)				
		.018	.024	.030	.036	.048	.018	.024	.030	.036	.048	.018	.024	.030	.036	.048
		3'-0"	B	49	67	87	106		32*	55*	83*	117*		36*	62*	94*
	D	•	•	•	•		•	•	•	•		•	•	•	•	
3'-6"	B	36	50	64	78		27*	47*	71*	88		31*	53*	81*	110	
	D	•	•	•	•		•	•	•	•		•	•	•	•	
4'-0"	B	27	38	49	60		24*	41*	56	67		27*	47*	70	84	
	D	•	•	•	•		•	•	•	•		•	•	•	•	
4'-6"	B	22	30	39	47		21*	36	44	53		24*	42*	56	67	
	D	•	•	•	•		•	•	•	•		•	•	•	•	
5'-0"	B		24	31	38			29	36	43		22*	36	45	54	
	D		•	•	•			•	•	•		•	•	•	•	
5'-6"	B		20	26	32			24	30	36			30	37	45	
	D		•	•	•			•	•	•			•	•	•	
6'-0"	B			22	27			20	25	30			25	31	37	
	D			•	•			•	•	•			•	•	•	
6'-6"	B				23				21	26			21	27	32	
	D				•				•	•			•	•	•	
7'-0"	B									22				23	27	
	D									•				•	•	
7'-6"	B													20	24	
	D													•	•	
8'-0"	B														21	
	D														•	



DUNDAS

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