

STRUCTALL BUILDING SYSTEMS PANEL SPAN TABLES:

¹ MULTIPLY ULTIMATE LOADS BY 0.6 FOR ALLOWABLE LOADS

3" x 0.024 x 1 - LB EPS PANELS (OPEN STRUCTURE-EXPOSURE B)

WIND SPEED	NET ULTIMATE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
		L/60 & L/80	L/120	L/180	L/240
110	20.4	16.95	16.40	14.08	12.36
120	24.3	15.90	15.36	13.04	11.32
130	28.5	15.00	14.40	12.08	10.36
140	33.1	13.83	13.51	11.19	9.47
150	38.0	12.76	12.68	10.37	8.64
160	43.2	12.01	11.90	9.59	7.87
180	54.7	10.91	10.49	8.18	6.45

3" x 0.024 x 1 - LB EPS PANELS (OPEN STRUCTURE-EXPOSURE C)

WIND SPEED	NET ULTIMATE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
		L/60 & L/80	L/120	L/180	L/240
110	30.4	14.52	14.01	11.70	9.97
120	36.2	13.34	12.96	10.65	8.92
130	42.5	12.19	12.00	9.69	7.96
140	49.3	11.56	11.11	8.80	7.07
150	56.6	10.88	10.28	7.79	6.24
160	64.4	10.09	9.50	7.19	5.47
180	81.5	8.60	8.10	5.78	4.06

3" x 0.024 x 1 - LB EPS PANELS (ATTACHED STRUCTURE-ENCLOSED OR PARTIALLY OPEN-EXPOSURE B)

WIND SPEED	NET ULTIMATE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
		L/60 & L/80	L/120	L/180	L/240
110	16.3	18.32	17.75	15.43	13.71
120	19.4	17.36	16.71	14.39	12.66
130	22.8	16.29	15.74	13.42	11.70
140	26.4	15.77	14.86	12.54	10.82
150	30.4	14.52	14.01	11.70	9.97
160	34.5	13.47	13.25	10.94	9.21
180	43.7	12.03	11.83	9.52	7.79

3" x 0.024 x 1 - LB EPS PANELS (ATTACHED STRUCTURE-ENCLOSED OR PARTIALLY OPEN-EXPOSURE C)

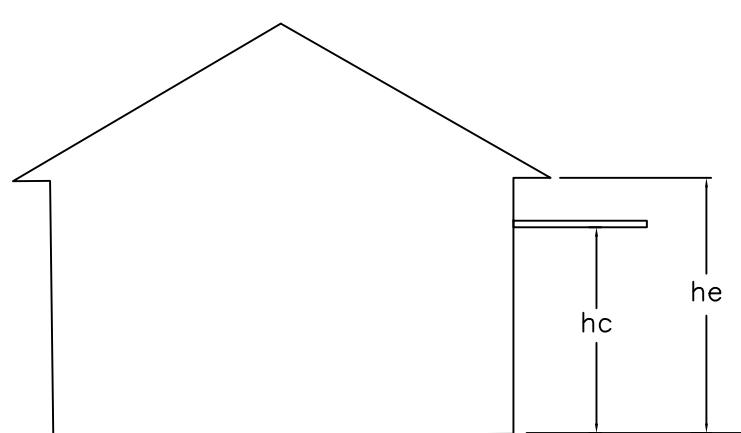
WIND SPEED	NET ULTIMATE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
		L/60 & L/80	L/120	L/180	L/240
110	24.3	16.04	15.36	13.04	11.31
120	29.0	14.70	14.29	11.98	10.25
130	34.0	13.71	13.34	11.02	9.30
140	39.4	12.76	12.45	10.14	8.42
150	45.3	11.97	11.61	9.30	7.58
160	51.5	11.20	10.84	8.54	6.81
180	65.2	9.94	9.43	7.12	5.40

3" x 0.024 x 1 - LB EPS PANELS (ATTACHED STRUCTURE-OPEN & ATTACHED UNDER FASICA/OVERHANG) (EXPOSURE B)

WIND SPEED	NET ULTIMATE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
		L/60 & L/80	L/120	L/180	L/240
110	11.5	21.80	19.85	17.52	15.80
120	13.7	20.21	18.80	16.48	14.75
130	16.0	18.74	17.87	15.54	13.82
140	18.6	17.37	16.96	14.64	12.92
150	21.3	16.75	16.15	13.83	12.10
160	24.3	16.04	15.36	13.04	11.31
180	30.7	14.51	13.95	11.64	9.91

3" x 0.024 x 1 - LB EPS PANELS (ATTACHED STRUCTURE-OPEN & ATTACHED UNDER FASICA/OVERHANG) (EXPOSURE C)

WIND SPEED	NET ULTIMATE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
		L/60 & L/80	L/120	L/180	L/240
110	17.1	17.98	17.47	15.15	13.42
120	20.4	16.85	16.41	14.09	12.36
130	23.9	16.22	15.46	13.14	11.41
140	27.7	15.21	14.57	12.25	10.53
150	31.8	14.13	13.74	11.43	9.70
160	36.2	13.07	12.96	10.65	8.92
180	45.8	11.80	11.55	9.24	7.51



Attached Covers (canopies) on Buildings

1. Roof covers attached to fascia are deemed $0.9 \leq hc/he \leq 1$.
2. Roof covers attached to the host structure underneath the fascia and overhang at deemed $0.5 \leq hc/he < 0.9$.

PRODUCT APPROVAL DETAILS:

BLDG CODE:

8th EDITION FLORIDA BUILDING CODE (2023 FBC)

LIMITS OF USE: FOR PATIO USE ONLY (RISK CATEGORY I).

- CARPORTS
- PATIO COVERS
- SUNROOMS
- SCREEN ENCLOSURES
- CANOPIES
- OTHER SIMILAR MINOR STRUCTURES



DO KIM
& ASSOCIATES, LLC
CONSULTING
STRUCTURAL
ENGINEERS
PO BOX 10039
Tampa, FL 33679
Tel: (813) 857-9955

Rev./Date	Description
10/15 2020	ISSUED FOR PRODUCT APPROVAL
8/13 2023	ISSUED FOR PRODUCT APPROVAL-8th EDITION FBC

Structall Building Systems
350 Burbank Road
Oldsmar, FL 34677
3" x 0.024" x 1 LB EPS FOAM CORE
COMPOSITE ALUMINUM SKIN PANELS
FLORIDA STATEWIDE PRODUCT APPROVAL

DRAWN BY: DYK
CHECKED BY: DYK
SCALE: AS SHOWN
DATE: 10/19/16

DO Y. KIM
FLA. REG. NUMBER 49497
FLA. C.A. #26097
PO BOX 10039
Tampa, FL 33679
This item has been digitally signed and sealed by Do Y. Kim on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Drawing No. - 202001
SHEET 1 OF 2

Rev./Date	Description
10/15 2020	ISSUED FOR PRODUCT APPROVAL
8/13 2023	ISSUED FOR PRODUCT APPROVAL-8th EDITION FBC
△	
△	
△	
△	
△	

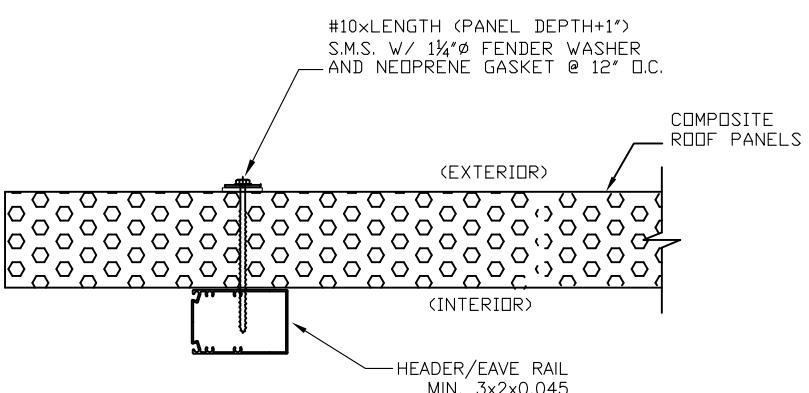
Structall Building Systems
350 Burbank Road
Oldsmar, FL 34677
3" x 0.024" x 1 LB EPS FOAM CORE
COMPOSITE ALUMINUM SKIN PANELS
FLORIDA STATEWIDE PRODUCT APPROVAL

DRAWN BY: DYK
CHECKED BY: DYK
SCALE: AS SHOWN
DATE: 10/19/16

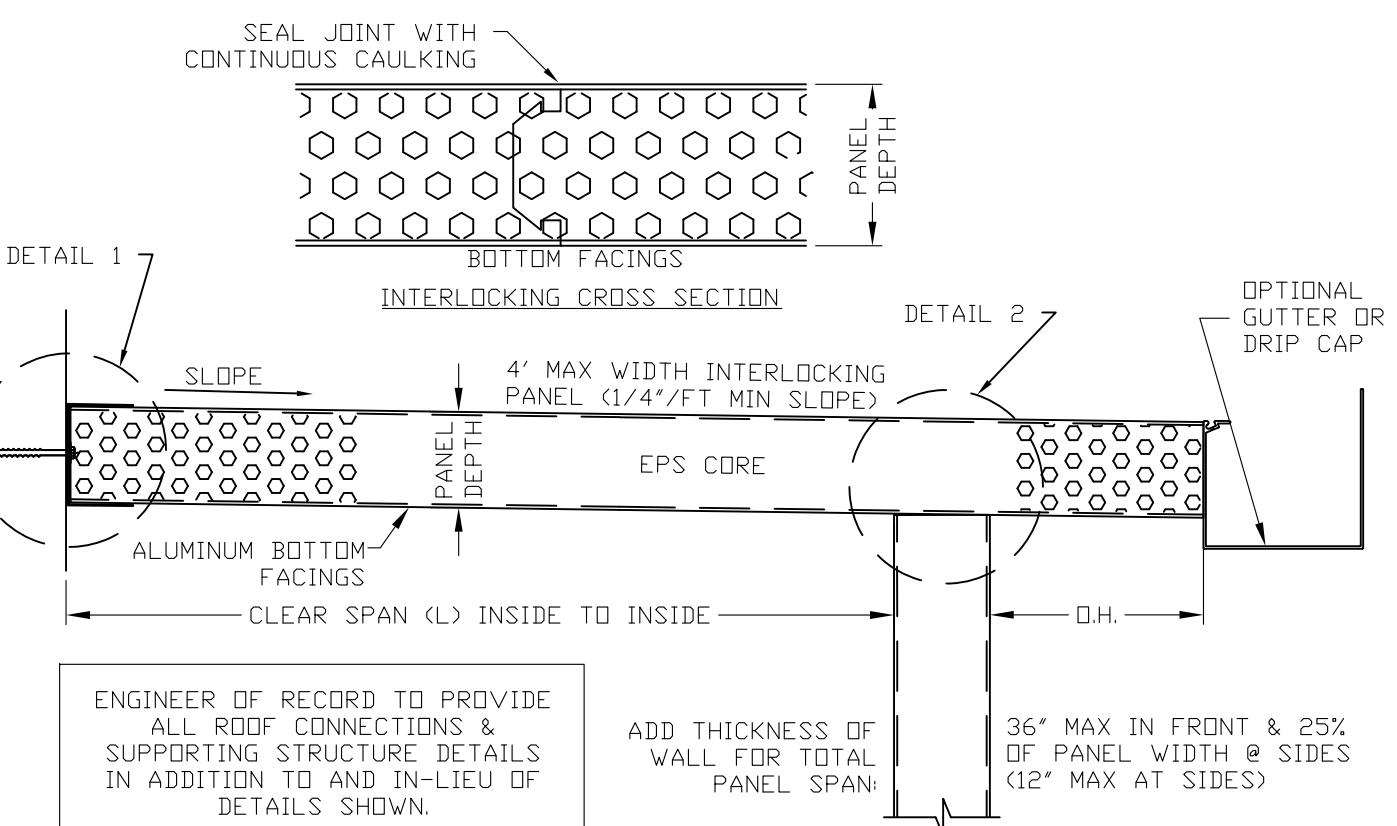
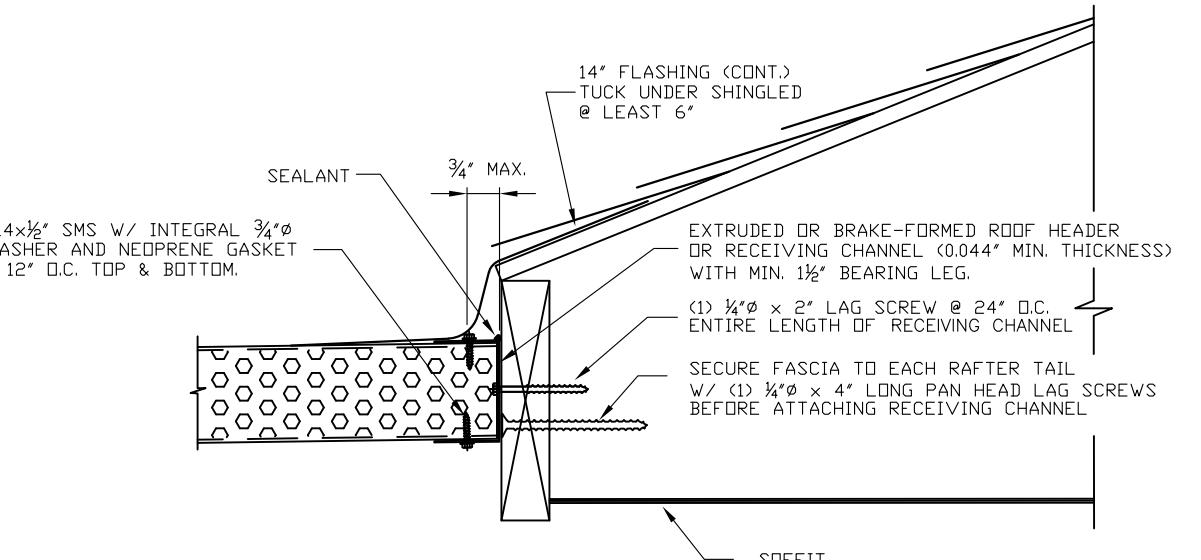
DO Y. KIM
LICENSE NO. 42497
FEA. REG. NUMBER 42497
DO KIM & ASSOCIATES, LLC
10039
PO BOX 10039
Tampa, FL 33679
This item is signed and sealed. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Drawing No. - 202001

SHEET 2 OF 2



DETAIL 2



EPS ROOF PANEL/ SPAN DESCRIPTION

ENGINEER OF RECORD TO PROVIDE
ALL ROOF CONNECTIONS &
SUPPORTING STRUCTURE DETAILS
IN ADDITION TO AND IN-LIEU OF
DETAILS SHOWN.

ADD THICKNESS OF
WALL FOR TOTAL
PANEL SPAN:
36" MAX IN FRONT & 25%
OF PANEL WIDTH @ SIDES
(12" MAX AT SIDES)