



MASON CORPORATION ENGINEERING SPECIFICATIONS

International Building Code 2009

May 2013



Corporate Office:
123 West Oxmoor Road
Birmingham, AL 35209

Dallas, TX • Raleigh, NC • Kansas City, MO



MASON'S ALUMINUM PRODUCT DESIGN MANUAL

GENERAL NOTES:

1. ALL CALCULATIONS ARE DONE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE 2009, ASCE 7-05 & FLORIDA BUILDING CODE 2007 W/LATEST SUPPLEMENTS, ALUMINUM ASSOCIATION SPECIFICATIONS FOR ALUMINUM STRUCTURES, ALUMINUM DESIGN MANUAL AND AMERICAN IRON AND STEEL INSTITUTE SPECIFICATION FOR THE DESIGN OF COLD FORMED STRUCTURAL STEEL MEMBERS.
2. DESIGNS ARE BASED ON THE ALLOYS NOTED. ANY ALLOY THAT MEETS OR EXCEEDS THE STRENGTH OF THE NOTED ALLOYS AND IS IN THE SAME TEMPER DESIGNATION GROUP MAY BE USED.
3. THE MATERIAL THICKNESS USED IN DESIGN IS ACTUAL METAL THICKNESS. THE LISTED BARE METAL THICKNESS ON ALL THESE TABLES MUST BE THE MINIMUM FIELD DELIVERED BARE METAL THICKNESS.
4. IT SHALL BE RESPONSIBILITY OF THE BUILDING PERMIT HOLDER TO CONTACT PROFESSIONAL ENGINEER FOR VERIFICATION OF THE ADEQUACY OF EXISTING STRUCTURE TO SUSTAIN THE NEW SUPERIMPOSED LOADS AND TO VERIFY SOIL BEARING CAPACITY.
5. TABULATED INFORMATION IS BASED ON CRITERIA IDENTIFIED HEREIN. CONSULT PROFESSIONAL ENGINEER FOR SPECIAL DESIGN CONSIDERATIONS, LOCAL CONDITIONS, CODES, SPLICE LOCATIONS, NON UNIFORM LOADING, CONCENTRATED LOADS, SNOW DRIFTING, PARTIALLY ENCLOSED SITUATIONS, WEB CRIPPLING, IMPORTANCE FACTORS OTHER THAN 1.0, WIND EXPOSURE FACTOR "D", CONNECTIONS TO WALLS, DYNAMIC LOADING, SEISMIC DESIGN AND OTHER REQUIREMENTS, AND ADDITIONAL INFORMATION NOT INCLUDED IN THIS MANUAL.
6. GENERAL NOTES CONTINUE ON DRAWING 2 OF 19.

Lyudmila L. Gurtovaya, P.E.

<u>State</u>	<u>Registration Number</u>
Alabama	25243
Arizona	38327
Colorado	37092
Georgia	31350
Louisiana	E-30333
Missouri	2003004647
Nevada	015600
North Carolina	030674
Ohio	E-67315
Oregon	72387PE
Pennsylvania	PE062022
South Carolina	22296
Texas	88324
Virginia	037960
Washington	39144

Michael W. Custer, P.E.

<u>State</u>	<u>Registration Number</u>
Arkansas	9270
Connecticut	23994
Delaware	13362
District Columbia	PE901743
Florida	0052825
Idaho	11021
Indiana	19800497
Iowa	14538

Michael W. Custer, P.E.

<u>State</u>	<u>Registration Number</u>
Kansas	15005
Kentucky	20560
Maine	10523
Maryland	29288
Massachusetts	45707
Michigan	6201050815
Minnesota	42956
Mississippi	13313
Montana	16168
Nebraska	E-9390
New Hampshire	11123
New Jersey	41576
New Mexico	13938
New York	075647
North Dakota	PE-5109
Oklahoma	18471
Rhode Island	7994
South Dakota	8067
Tennessee	104740
Utah	364668-2202
Vermont	8362
West Virginia	013807
Wisconsin	E-32894
Wyoming	10049

MASON CORPORATION
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BIRMINGHAM, ALABAMA
35259



LG ENGINEERING, LLC
CANOPY MANUFACTURER'S
ENGINEER
4100 WASKOM DR
PLANO, TX 75024
972 987-8520

GENERAL NOTES

DATE 8-10-11
DRAWN BY
REVISIONS
SHEET #
1 OF 20

DRAWING #
1

GENERAL NOTES

(REF. DRAWING 1 FOR MORE GENERAL NOTES)

1. THIS STRUCTURE AND THE COMPONENTS CONTAINED HEREIN ARE DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE 2009, ASCE 7-05 AND THE FLORIDA BUILDING CODE 2007 W/LATEST SUPPLEMENTS.
2. THE FOLLOWING LOAD AND DEFLECTION CRITERIA ARE USED IN THE DESIGN:
LIVE OR SNOW LOADS AS INDICATED
DEAD LOADS AS OCCURS
WIND LOADS (UP & DOWN) 90, 100, 110, 120, 130, 140 & 150 MPH (3 SEC. GUST)
DEFLECTION LIMIT DECK SPAN/60 FOR DEAD LOAD+LIVE LOAD, DECK SPAN/180 FOR SNOW LOAD AND BEAM SPAN/120 FOR DEAD LOAD+LIVE LOAD, BEAM SPAN/180 FOR SNOW LOAD
3. WIND LOADS ARE BASED ON IBC 2009 SECTION 16 AND ASCE 7-05, WITH MAXIMUM MEAN ROOF HEIGHT OF 15'-0".
4. ROOF SNOW LOADS ARE CALCULATED IN ACCORDANCE WITH THE ASCE 7-05 SECTION 7 AND APPLIED AS UNIFORMLY DISTRIBUTED.
5. THIS MANUAL DOES NOT APPLY SNOW DRIFT LOADING TO THE ROOF DECK. SNOW DRIFT DESIGN MUST BE ADDRESSED BY THE ENGINEER WHO DESIGNS THE FRAME ASSEMBLY, KNOWING THE SIZE, ELEVATION AND AERODYNAMIC SHADING OF THE SPECIFIC PROJECT.
6. ALL ALUMINUM CALCULATIONS ARE IN ACCORDANCE WITH THE ALUMINUM ASSOCIATION SPECIFICATIONS FOR ALUMINUM STRUCTURES AND ALUMINUM DESIGN MANUAL.
7. DESIGNS ARE BASED ON THE ALLOYS AND TEMPERS (ALLOY) NOTED ON THESE DRAWINGS. OTHER ALUMINUM ALLOYS MAY BE SUBSTITUTED ONLY IF THEY ARE REGISTERED WITH THE ALUMINUM ASSOCIATION AND HAVE GUARANTEED ULTIMATE & TENSILE YIELD STRENGTHS EQUAL TO AND BETTER THAN THE SPECIFIED ALLOY.
8. COLD FORMED LIGHT GAGE STEEL SHALL BE TESTED FOR THE STRENGTH SPECIFIED PER ASTM TESTING. GALVANIZE OR PRIME AND FINISH COAT ALL STEEL MEMBERS.
9. STEEL WELDS SHALL BE MADE BY CERTIFIED WELDERS USING E60 OR E70XX ELECTRODES. DO NOT WELD ALUMINUM.
10. ALUMINUM ROOF PANEL AND GUTTER ALLOYS SHALL BE 3005-H281 ALLOY WITH $F_{tu} = 31$ KSI, $F_{ty} = 29$ KSI
11. ALL ALUMINUM EXTRUSIONS SHALL BE ALLOY INDICATED.
12. ALL FASTENERS SHALL BE STAINLESS STEEL. 1/4" AND 3/8" DIAMETER BOLTS TO BE ASTM A307 STEEL OR EQUAL; GALVANIZED. BOLTS 1/2" DIAMETER OR GREATER TO BE ASTM A325 STEEL OR EQUAL; GALVANIZED (U.N.O.). ALL FASTENERS TO BE # 14 STAINLESS STEEL SELF TAPPING SCREWS, HEX HEAD, CADMIUM PLATED, WITH COMPOSITE ALUMINUM-NEOPRENE WASHERS, THE ALUMINUM PORTION OF WHICH HAS MINIMUM DIMENSION OF .05" THICKNESS AND 5/8" O.D. (U.N.O.)
13. ALL CONCRETE REINFORCING STEEL SHALL BE ASTM A-615 GRADE 60 DEFORMED BARS.
14. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 3000 PSI.
15. MINIMUM SOIL BEARING CAPACITY TO BE 2500 PSF UNLESS NOTED OTHERWISE.
16. TABULATED INFORMATION IS BASED ON THE CRITERIA IDENTIFIED ON THESE DRAWINGS AND PREDICATED ON EXCLUSIVE USE OF MATERIALS SUPPLIED BY MASON CORPORATION. THE INTERMINGLING OF THE SIMILAR PARTS BY OTHER SUPPLIERS CAN EASILY RENDER THE COMPUTATIONS USED TO GENERATE THE TABLES SHOWN INAPPLICABLE. CONSULT PROFESSIONAL ENGINEER FOR SINGULAR DESIGN CONSIDERATIONS.
17. SECTION PROPERTIES ARE FOR INFORMATION ONLY. MEMBER DESIGN IS GOVERNED BY BUCKLING OR DEFLECTION IN MANY CASES & FULL SECTION CAPACITY MAY NOT BE DEVELOPED.
18. DISSIMILAR METALS MUST BE SEPARATED BY PAINTING WITH BITUMINOUS PAINT OR OTHER ACCEPTABLE COATING, OR NEOPRENE GASKET MATERIAL TO PREVENT GALVANIC ACTION.
19. CANOPIES ARE NOT DESIGNED TO BE ENCLOSED IN ANY WAY.
20. THIS PUBLICATION IS FOR INFORMATION ONLY. ACTUAL BUILDING DESIGN SHALL BE REVIEWED BY A LICENSED ENGINEER FOR LOCAL CONDITIONS, CODES AND REQUIREMENTS.

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PLANO, TX 75024
972 987-8520

NOTES

DATE 8-10-11
DRAWN BY
REVISIONS
SHEET # 2 OF 20

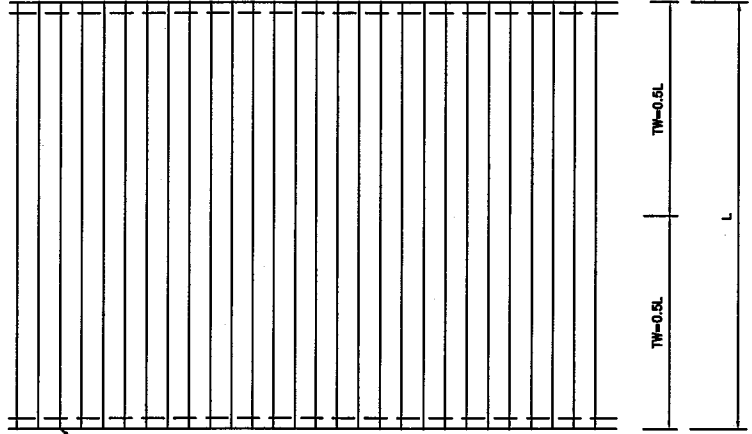
DRAWING # 2



TRIBUTARY WIDTH CALCULATIONS

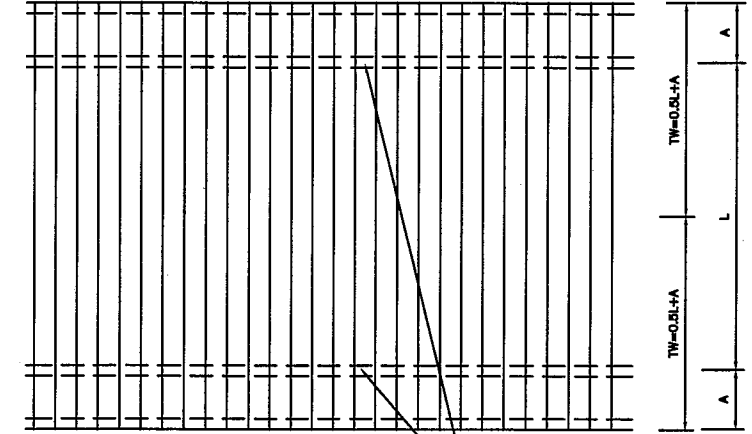
DATE	REVISIONS	DRAWN BY	SHEET #
8-10-11			3 OF 20

DRAWING # **3**



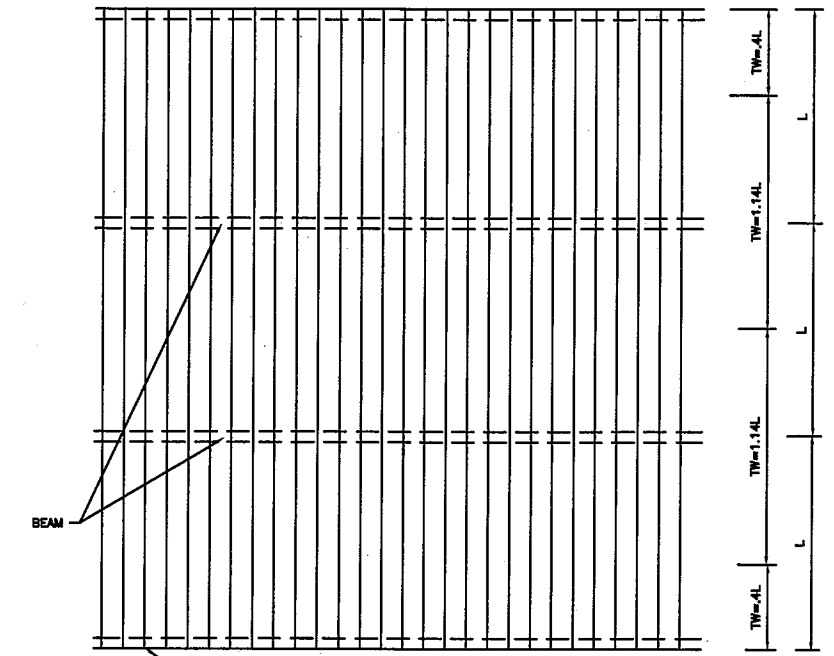
WALL OR COLUMN SUPPORTED
TYP. BOTH SIDES

SINGLE SPAN



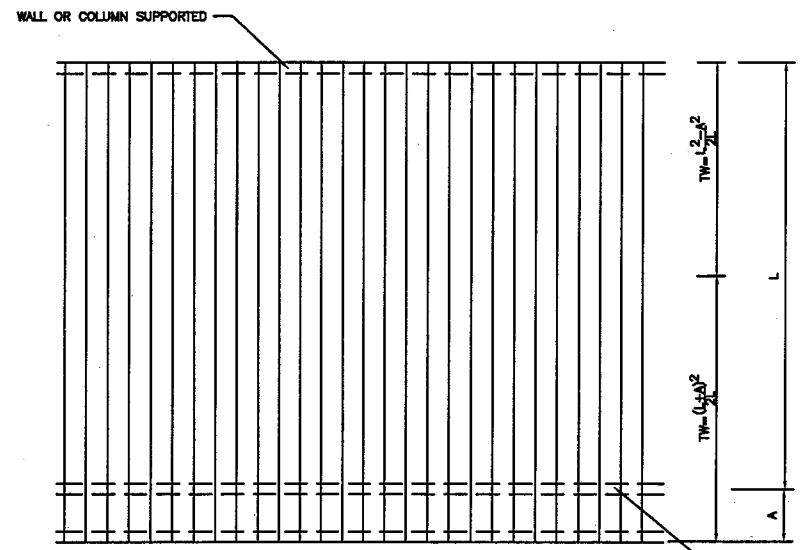
BEAM

SINGLE SPAN W/CANTELEVER ON BOTH SIDES



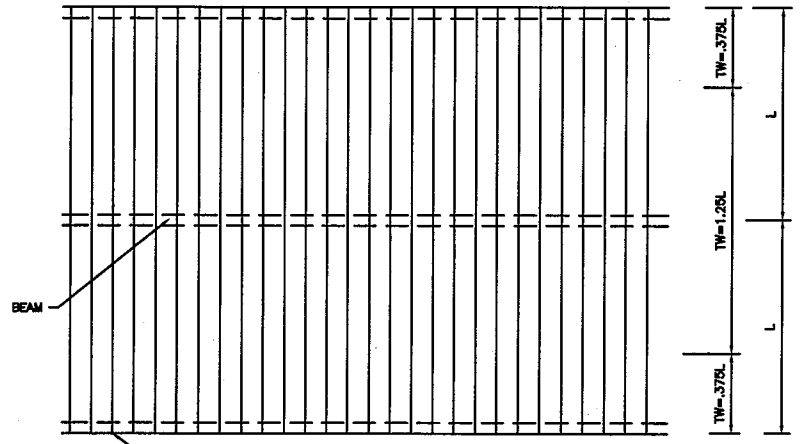
WALL OR COLUMN SUPPORTED
TYP. BOTH SIDES

MULTIPLE SPAN



$$TW = \frac{L + A}{2}$$

SINGLE SPAN W/CANTELEVER ON ONE SIDE



WALL OR COLUMN SUPPORTED
TYP. BOTH SIDES

DOUBLE SPAN

1. TW - TRIBUTARY WIDTH IS THE AMOUNT OF THE PANEL SPAN THAT IS ACTUALLY SUPPORTED BY EACH BEAM. TW x THE LOAD, IN POUNDS PER SQUARE FOOT = THE LOAD ON THE BEAM.
2. ALL BEAM SPANS ON SHEETS 4 THROUGH 8 ARE FOR THE SIMPLE SPAN CONDITIONS.
3. ALL BEAM, FASCIA AND PANEL CHARTS ARE DONE FOR THE WIND IMPORTANCE FACTOR OF 1.0. FOR WIND IMPORTANCE FACTOR OF 1.15 USE SPAN REDUCTION FACTOR OF 0.93.
4. MAXIMUM BEAM CANTELEVER OR PANEL OVERHANG NOT TO EXCEED 25% OF THE SPAN OR 3'-0", WHICH EVER IS THE LEAST.
5. WHERE ROOF PANELS ARE SUPPORTED BY BEAM ENTIRELY, THE FRONT FASCIA BECOMES OPTIONAL AND MAY BE OMITTED.
6. 1 1/4" HOLE IN THE BOTTOM OF FASCIA/GUTTER WILL DRAIN APPROXIMATELY 100 SQUARE FEET OF ROOF DRAINAGE AREA.
7. THIS PACKAGE FOR INFORMATION ONLY. STRUCTURE SHALL BE REVIEWED BY PROFESSIONAL ENGINEER FOR LOCAL CONDITIONS, CODES AND REQUIREMENTS.

BEAM SCHEDULE

Gravity	20 PSF LIVE LOAD, L/120											
Wind	100 MPH, EXPOSURE C											
Aluminum Beam Size	P200 - 7" I	P201 - 7" C	P203 - 10" C	P205 - 5" C	P240, RF .050" GUTTER	P243, EXT. 6 1/4" GUTTER	P244, EXT. 7 1/2" GUTTER	P214, EXT. 6 1/2" GUTTER	P329 3x3x.125 " TUBE	P330 4x4x.125 " TUBE	P363 3x3 STEEL TUBE	P378 3x3x.078 TUBE
Trib Width	MAXIMUM ALLOWABLE BEAM SPAN											
2'					12' - 1"	18' - 8"	25' - 7"	17' - 6"				
2' - 3"					11' - 4"	18' - 0"	24' - 8"	16' - 6"				
2' - 6"					10' - 9"	17' - 4"	23' - 9"	15' - 7"				
2' - 9"					10' - 3"	16' - 10"	23' - 0"	14' - 11"				
3'					9' - 10"	16' - 4"	22' - 4"	14' - 3"				
3' - 3"					9' - 5"	15' - 11"	21' - 9"	13' - 8"				
3' - 6"					9' - 1"	15' - 6"	21' - 3"	13' - 2"				
3' - 9"					8' - 10"	15' - 2"	20' - 9"	12' - 9"				
4'	22' - 9"	17' - 9"	29' - 5"	8' - 11"	8' - 3"	14' - 9"	20' - 1"	12' - 4"	10' - 3"	13' - 10"	12' - 6"	8' - 7"
5'	21' - 1"	16' - 6"	27' - 3"	7' - 11"	7' - 4"	13' - 1"	17' - 11"	11' - 0"	9' - 6"	12' - 10"	11' - 7"	7' - 10"
6'	19' - 10"	15' - 6"	25' - 8"	7' - 3"	6' - 10"	12' - 0"	16' - 5"	10' - 1"	8' - 11"	12' - 1"	10' - 10"	7' - 2"
7'	18' - 10"	14' - 9"	24' - 5"	6' - 8"	6' - 3"	11' - 1"	15' - 2"	9' - 4"	8' - 6"	11' - 6"	10' - 0"	6' - 8"
8'	18' - 0"	14' - 1"	23' - 4"	6' - 3"	5' - 10"	10' - 0"	14' - 2"	8' - 8"	8' - 2"	11' - 0"	9' - 4"	6' - 3"
9'	17' - 4"	13' - 7"	22' - 5"	5' - 11"	5' - 6"	9' - 9"	13' - 4"	8' - 2"	7' - 10"	10' - 7"	8' - 10"	5' - 10"
10'	16' - 9"	13' - 1"	21' - 8"	5' - 7"	5' - 2"	9' - 3"	12' - 8"	7' - 10"	7' - 6"	10' - 2"	8' - 4"	5' - 6"
11'	16' - 3"	12' - 7"	21' - 0"	5' - 4"	5' - 0"	8' - 10"	12' - 1"	7' - 5"	7' - 4"	9' - 10"	8' - 0"	5' - 3"
12'	15' - 9"	12' - 0"	20' - 4"	5' - 1"	4' - 9"	8' - 6"	11' - 7"	7' - 1"	7' - 1"	9' - 7"	7' - 8"	5' - 0"
13'	15' - 4"	11' - 6"	19' - 10"	4' - 11"	4' - 6"	8' - 1"	11' - 1"	6' - 10"	6' - 11"	9' - 4"	7' - 4"	4' - 10"
14'	15' - 0"	11' - 1"	19' - 4"	4' - 9"	4' - 4"	7' - 9"	10' - 9"	6' - 6"	6' - 9"	9' - 1"	7' - 1"	4' - 8"
15'	14' - 7"	10' - 9"	18' - 9"	4' - 7"	4' - 3"	7' - 7"	10' - 4"	6' - 4"	6' - 7"	8' - 11"	6' - 10"	4' - 6"
16'	14' - 4"	10' - 5"	18' - 2"	4' - 5"	4' - 2"	7' - 4"	10' - 0"	6' - 2"	6' - 5"	8' - 8"	6' - 7"	4' - 4"

NOTE: BOTTOM FLANGE ON 7" AND 10" C-BEAM MUST BE BRACED AT 3'-0" MAX., BOTTOM FLANGE ON 7" I-BEAM MUST BE BRACED AT 5'-0" MAX.

MASON CORPORATION
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 35259



LG ENGINEERING, LLC
 CANOPY MANUFACTURER'S
 ENGINEER
 4100 WASKOM DR
 PLANO, TX 75024
 972-987-8520

BEAM TABLE

DATE 8-10-11
 REVISIONS
 DRAWN BY
 SHEET # 4 OF 20

DRAWING # 4

BEAM SCHEDULE

Gravity	20 PSF SNOW LOAD, L/180											
Wind	100 MPH, EXPOSURE C											
Aluminum Beam Size	P200 - 7" I	P201 - 7" C	P203 - 10" C	P205 - 5" C	P240, RF .050" GUTTER	P243, EXT. 6 1/4" GUTTER	P244, EXT. 7 1/2" GUTTER	P214, EXT. 6 1/2" GUTTER	P329 3x3x.125 " TUBE	P330 4x4x.125 " TUBE	P363 3x3 STEEL TUBE	P378 3x3x.078 TUBE
Trib Width	MAXIMUM ALLOWABLE BEAM SPAN											
2'					12' - 1"	16' - 11"	22' - 5"	15' - 9"				
2' - 3"					11' - 4"	16' - 3"	21' - 7"	15' - 0"				
2' - 6"					10' - 9"	15' - 8"	20' - 10"	14' - 3"				
2' - 9"					10' - 3"	15' - 2"	20' - 2"	13' - 7"				
3'					9' - 10"	14' - 9"	19' - 7"	13' - 0"				
3' - 3"					9' - 5"	14' - 5"	19' - 1"	12' - 6"				
3' - 6"					9' - 1"	14' - 1"	18' - 7"	12' - 0"				
3' - 9"					8' - 10"	13' - 8"	18' - 2"	11' - 7"				
4'	19' - 11"	15' - 7"	25' - 9"	8' - 11"	8' - 3"	13' - 5"	17' - 10"	11' - 3"	9' - 0"	12' - 2"	10' - 11"	7' - 9"
5'	17' - 11"	14' - 6"	23' - 11"	7' - 11"	7' - 4"	12' - 5"	16' - 7"	10' - 0"	8' - 4"	11' - 3"	10' - 1"	7' - 3"
6'	17' - 5"	13' - 7"	22' - 6"	7' - 3"	6' - 10"	11' - 9"	15' - 7"	9' - 2"	7' - 10"	10' - 7"	9' - 6"	6' - 10"
7'	16' - 7"	12' - 11"	21' - 5"	6' - 8"	6' - 3"	11' - 1"	14' - 9"	8' - 5"	7' - 5"	10' - 1"	9' - 1"	6' - 5"
8'	15' - 10"	12' - 4"	20' - 5"	6' - 3"	5' - 10"	10' - 0"	14' - 2"	7' - 11"	7' - 1"	9' - 7"	8' - 7"	6' - 2"
9'	15' - 3"	11' - 11"	19' - 8"	5' - 11"	5' - 6"	9' - 9"	13' - 4"	7' - 6"	6' - 10"	9' - 3"	8' - 4"	5' - 10"
10'	14' - 8"	11' - 6"	19' - 0"	5' - 7"	5' - 2"	9' - 3"	12' - 8"	7' - 1"	6' - 7"	8' - 11"	8' - 0"	5' - 6"
11'	14' - 3"	11' - 1"	18' - 5"	5' - 4"	5' - 0"	8' - 10"	12' - 1"	6' - 9"	6' - 5"	8' - 7"	7' - 9"	5' - 3"
12'	13' - 10"	10' - 10"	17' - 10"	5' - 1"	4' - 9"	8' - 6"	11' - 7"	6' - 6"	6' - 2"	8' - 5"	7' - 7"	5' - 0"
13'	13' - 6"	10' - 6"	17' - 5"	4' - 11"	4' - 6"	8' - 1"	11' - 1"	6' - 3"	6' - 1"	8' - 2"	7' - 4"	4' - 10"
14'	13' - 2"	10' - 3"	16' - 11"	4' - 9"	4' - 4"	7' - 9"	10' - 9"	6' - 0"	5' - 11"	8' - 0"	7' - 1"	4' - 8"
15'	12' - 10"	10' - 0"	16' - 7"	4' - 7"	4' - 3"	7' - 7"	10' - 4"	5' - 10"	5' - 9"	7' - 9"	6' - 10"	4' - 6"
16'	12' - 6"	9' - 10"	16' - 3"	4' - 5"	4' - 2"	7' - 4"	10' - 0"	5' - 7"	5' - 8"	7' - 7"	6' - 7"	4' - 4"

NOTE: BOTTOM FLANGE ON 7" AND 10" C-BEAM MUST BE BRACED AT 3'-0" MAX., BOTTOM FLANGE ON 7" I-BEAM MUST BE BRACED AT 5'-0" MAX.

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BEAM TABLE

DATE 8-10-11
 REVISIONS
 DRAWN BY
 SHEET # 5 OF 20

DRAWING # 5

BEAM SCHEDULE

Gravity	30 PSF SNOW LOAD, L/180											
Wind	120 MPH, EXPOSURE C											
Aluminum Beam Size	P200 - 7" I	P201 - 7" C	P203 - 10" C	P205 - 5" C	P240, RF .050" GUTTER	P243, EXT. 6 1/4" GUTTER	P244, EXT. 7 1/2" GUTTER	P214, EXT. 6 1/2" GUTTER	P329 3x3x.125 " TUBE	P330 4x4x.125 " TUBE	P363 3x3 STEEL TUBE	P378 3x3x.078 TUBE
Trib Width	MAXIMUM ALLOWABLE BEAM SPAN											
2'					10' - 0"	14' - 9"	19' - 7"	13' - 2"				
2' - 3"					9' - 5"	14' - 2"	18' - 10"	12' - 5"				
2' - 6"					8' - 11"	13' - 9"	18' - 2"	11' - 9"				
2' - 9"					8' - 6"	13' - 3"	17' - 7"	11' - 3"				
3'					8' - 2"	12' - 11"	17' - 1"	10' - 9"				
3' - 3"					7' - 10"	12' - 7"	16' - 8"	10' - 4"				
3' - 6"					7' - 6"	12' - 3"	16' - 3"	10' - 0"				
3' - 9"					7' - 3"	12' - 0"	15' - 11"	9' - 7"				
4'	17' - 5"	13' - 7"	22' - 6"	7' - 4"	6' - 10"	11' - 9"	15' - 7"	9' - 4"	7' - 10"	10' - 7"	9' - 6"	6' - 10"
5'	16' - 2"	12' - 8"	20' - 11"	6' - 7"	6' - 2"	10' - 10"	14' - 5"	8' - 4"	7' - 3"	9' - 10"	8' - 10"	6' - 4"
6'	15' - 3"	11' - 11"	19' - 8"	6' - 0"	5' - 7"	9' - 11"	13' - 7"	7' - 7"	6' - 10"	9' - 3"	8' - 4"	5' - 10"
7'	14' - 5"	11' - 4"	18' - 8"	5' - 7"	5' - 2"	9' - 2"	12' - 6"	7' - 1"	6' - 6"	8' - 10"	7' - 11"	5' - 6"
8'	13' - 10"	10' - 10"	17' - 10"	5' - 2"	4' - 10"	8' - 6"	11' - 9"	6' - 7"	6' - 2"	8' - 5"	7' - 7"	5' - 1"
9'	13' - 4"	10' - 5"	17' - 2"	4' - 11"	4' - 6"	8' - 1"	11' - 1"	6' - 2"	6' - 0"	8' - 1"	7' - 3"	4' - 10"
10'	12' - 10"	10' - 0"	16' - 7"	4' - 8"	4' - 3"	7' - 8"	10' - 5"	5' - 10"	5' - 9"	7' - 10"	6' - 11"	4' - 7"
11'	12' - 5"	9' - 9"	16' - 1"	4' - 5"	4' - 1"	7' - 4"	10' - 0"	5' - 7"	5' - 7"	7' - 7"	6' - 7"	4' - 4"
12'	12' - 1"	9' - 5"	15' - 7"	4' - 3"	3' - 11"	7' - 0"	9' - 7"	5' - 4"	5' - 5"	7' - 4"	6' - 4"	4' - 2"
13'	11' - 9"	9' - 2"	15' - 2"	4' - 1"	3' - 9"	6' - 9"	9' - 3"	5' - 2"	5' - 3"	7' - 2"	6' - 1"	4' - 0"
14'	11' - 6"	9' - 0"	14' - 10"	3' - 11"	3' - 7"	6' - 6"	8' - 10"	5' - 0"	5' - 2"	7' - 0"	5' - 10"	3' - 10"
15'	11' - 2"	8' - 9"	14' - 6"	3' - 9"	3' - 5"	6' - 3"	8' - 7"	4' - 10"	5' - 0"	6' - 10"	5' - 8"	3' - 9"
16'	11' - 0"	8' - 7"	14' - 2"	3' - 8"	3' - 4"	6' - 1"	8' - 3"	4' - 8"	4' - 11"	6' - 8"	5' - 6"	3' - 7"

NOTE: BOTTOM FLANGE ON 7" AND 10" C-BEAM MUST BE BRACED AT 3'-0" MAX., BOTTOM FLANGE ON 7" I-BEAM MUST BE BRACED AT 5'-0" MAX.

MASON CORPORATION
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 35259



LG ENGINEERING, LLC
 CANOPY MANUFACTURER'S
 ENGINEER
 4100 WASKOM DR
 PLANO, TX 75024
 972-987-8520

BEAM TABLE

DATE 8-10-11
 REVISIONS
 DRAWN BY
 SHEET # 6 OF 20

DRAWING # 6

BEAM SCHEDULE

Gravity	40 PSF SNOW LOAD, L/180											
Wind	140 MPH, EXPOSURE C											
Aluminum Beam Size	P200 - 7" I	P201 - 7" C	P203 - 10" C	P205 - 5" C	P240, RF .050" GUTTER	P243, EXT. 6 1/4" GUTTER	P244, EXT. 7 1/2" GUTTER	P214, EXT. 6 1/2" GUTTER	P329 3x3x.125" TUBE	P330 4x4x.125" TUBE	P363 3x3 STEEL TUBE	P378 3x3x.078 TUBE
Trib Width	MAXIMUM ALLOWABLE BEAM SPAN											
2'					8' - 9"	13' - 5"	17' - 10"	11' - 6"				
2' - 3"					8' - 3"	12' - 11"	17' - 2"	10' - 10"				
2' - 6"					7' - 9"	12' - 5"	16' - 7"	10' - 3"				
2' - 9"					7' - 5"	12' - 1"	16' - 1"	9' - 10"				
3'					7' - 1"	11' - 9"	15' - 7"	9' - 5"				
3' - 3"					6' - 10"	11' - 5"	15' - 2"	9' - 0"				
3' - 6"					6' - 7"	11' - 2"	14' - 10"	8' - 8"				
3' - 9"					6' - 4"	10' - 11"	14' - 5"	8' - 5"				
4'	15' - 10"	12' - 4"	20' - 5"	6' - 5"	5' - 9"	10' - 7"	14' - 2"	8' - 2"	7' - 1"	9' - 8"	8' - 8"	6' - 1"
5'	14' - 8"	11' - 6"	19' - 0"	5' - 9"	5' - 2"	9' - 5"	13' - 0"	7' - 3"	6' - 7"	8' - 11"	8' - 1"	5' - 5"
6'	13' - 10"	10' - 10"	17' - 10"	5' - 3"	4' - 8"	8' - 7"	11' - 10"	6' - 8"	6' - 3"	8' - 5"	7' - 7"	5' - 0"
7'	13' - 2"	10' - 3"	17' - 0"	4' - 10"	4' - 4"	8' - 0"	11' - 0"	6' - 2"	5' - 11"	8' - 0"	7' - 2"	4' - 7"
8'	12' - 7"	9' - 10"	16' - 3"	4' - 6"	4' - 1"	7' - 6"	10' - 3"	5' - 9"	5' - 8"	7' - 8"	6' - 9"	4' - 3"
9'	12' - 1"	9' - 5"	15' - 7"	4' - 3"	3' - 10"	7' - 0"	9' - 8"	5' - 5"	5' - 5"	7' - 4"	6' - 4"	4' - 1"
10'	11' - 8"	9' - 1"	15' - 1"	4' - 0"	3' - 8"	6' - 8"	9' - 2"	5' - 2"	5' - 3"	7' - 1"	6' - 0"	3' - 10"
11'	11' - 3"	8' - 10"	14' - 7"	3' - 10"	3' - 5"	6' - 4"	8' - 8"	4' - 11"	5' - 1"	6' - 10"	5' - 9"	3' - 8"
12'	11' - 0"	8' - 7"	14' - 2"	3' - 8"	3' - 3"	6' - 1"	8' - 4"	4' - 8"	4' - 11"	6' - 8"	5' - 6"	3' - 6"
13'	10' - 8"	8' - 4"	13' - 10"	3' - 6"	3' - 2"	5' - 10"	8' - 0"	4' - 6"	4' - 10"	6' - 6"	5' - 3"	3' - 4"
14'	10' - 5"	8' - 0"	13' - 5"	3' - 5"	3' - 0"	5' - 8"	7' - 9"	4' - 4"	4' - 8"	6' - 4"	5' - 1"	3' - 3"
15'	10' - 2"	7' - 9"	13' - 2"	3' - 3"	3' - 0"	5' - 5"	7' - 5"	4' - 2"	4' - 7"	6' - 2"	4' - 11"	3' - 1"
16'	10' - 0"	7' - 6"	12' - 10"	3' - 2"	2' - 10"	5' - 3"	7' - 3"	4' - 1"	4' - 6"	6' - 1"	4' - 9"	3' - 0"

NOTE: BOTTOM FLANGE ON 7" AND 10" C-BEAM MUST BE BRACED AT 3'-0" MAX., BOTTOM FLANGE ON 7" I-BEAM MUST BE BRACED AT 5'-0" MAX.

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LG ENGINEERING, LLC
 CANOPY MANUFACTURER'S
 ENGINEER
 4100 WASKOM DR
 PLANO, TX 75024
 972-987-8520

BEAM TABLE

REVISIONS
 DATE 8-10-11
 DRAWN BY
 SHEET # 7 OF 20

DRAWING # 7

BEAM SCHEDULE

Gravity	50 PSF SNOW LOAD, L/180											
Wind	150 MPH, EXPOSURE C											
Aluminum Beam Size	P200 - 7" I	P201 - 7" C	P203 - 10" C	P205 - 5" C	P240, RF .050" GUTTER	P243, EXT. 6 1/4" GUTTER	P244, EXT. 7 1/2" GUTTER	P214, EXT. 6 1/2" GUTTER	P329 3x3x.125 " TUBE	P330 4x4x.125 " TUBE	P363 3x3 STEEL TUBE	P378 3x3x.078 TUBE
Trib Width	MAXIMUM ALLOWABLE BEAM SPAN											
2'					7' - 9"	12' - 6"	16' - 7"	10' - 4"				
2' - 3"					7' - 5"	12' - 0"	15' - 11"	9' - 9"				
2' - 6"					7' - 0"	11' - 7"	15' - 4"	9' - 3"				
2' - 9"					6' - 8"	11' - 2"	14' - 11"	8' - 10"				
3'					6' - 5"	10' - 11"	14' - 5"	8' - 5"				
3' - 3"					6' - 2"	10' - 7"	14' - 1"	8' - 1"				
3' - 6"					5' - 11"	10' - 3"	13' - 9"	7' - 10"				
3' - 9"					5' - 9"	9' - 10"	13' - 5"	7' - 7"				
4'	14' - 9"	11' - 6"	19' - 0"	5' - 9"	5' - 4"	9' - 6"	13' - 0"	7' - 4"	6' - 7"	8' - 11"	8' - 1"	5' - 8"
5'	13' - 8"	10' - 8"	17' - 8"	5' - 2"	4' - 10"	8' - 6"	11' - 8"	6' - 6"	6' - 1"	8' - 3"	7' - 6"	5' - 1"
6'	12' - 10"	10' - 0"	16' - 7"	4' - 8"	4' - 5"	7' - 9"	10' - 7"	6' - 0"	5' - 9"	7' - 10"	7' - 0"	4' - 8"
7'	12' - 2"	9' - 6"	15' - 9"	4' - 4"	4' - 1"	7' - 2"	9' - 10"	5' - 6"	5' - 6"	7' - 5"	6' - 6"	4' - 4"
8'	11' - 8"	9' - 2"	15' - 1"	4' - 1"	3' - 10"	6' - 9"	9' - 3"	5' - 2"	5' - 3"	7' - 1"	6' - 1"	4' - 1"
9'	11' - 3"	8' - 9"	14' - 6"	3' - 10"	3' - 7"	6' - 4"	8' - 8"	4' - 11"	5' - 0"	6' - 10"	5' - 9"	3' - 10"
10'	10' - 10"	8' - 5"	14' - 0"	3' - 8"	3' - 5"	6' - 0"	8' - 2"	4' - 7"	4' - 10"	6' - 7"	5' - 5"	3' - 7"
11'	10' - 6"	8' - 2"	13' - 7"	3' - 6"	3' - 3"	5' - 9"	7' - 10"	4' - 5"	4' - 8"	6' - 4"	5' - 2"	3' - 5"
12'	10' - 2"	7' - 10"	13' - 2"	3' - 4"	3' - 1"	5' - 5"	7' - 5"	4' - 3"	4' - 7"	6' - 2"	5' - 0"	3' - 3"
13'	9' - 11"	7' - 6"	12' - 10"	3' - 2"	3' - 0"	5' - 3"	7' - 2"	4' - 1"	4' - 5"	6' - 0"	4' - 9"	3' - 2"
14'	9' - 8"	7' - 3"	12' - 6"	3' - 1"	2' - 10"	5' - 1"	6' - 11"	3' - 11"	4' - 4"	5' - 10"	4' - 7"	3' - 0"
15'	9' - 5"	7' - 0"	12' - 2"	2' - 11"	2' - 9"	4' - 11"	6' - 9"	3' - 9"	4' - 3"	5' - 9"	4' - 5"	2' - 11"
16'	9' - 3"	6' - 9"	11' - 9"	2' - 10"	2' - 8"	4' - 9"	6' - 6"	3' - 8"	4' - 2"	5' - 7"	4' - 3"	2' - 10"

NOTE: BOTTOM FLANGE ON 7" AND 10" C-BEAM MUST BE BRACED AT 3'-0" MAX., BOTTOM FLANGE ON 7" I-BEAM MUST BE BRACED AT 5'-0" MAX.

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 PLANO, TX 75024
 972-987-8520

BEAM TABLE

DATE 8-10-11
 REVISIONS
 DRAWN BY
 SHEET # 8 OF 20

DRAWING # 8

COLUMN LOADING TABLE AND CALCULATIONS

To determine maximum allowable loading for column use the following formula:

$$P_{axial} / P_{allowable} + M_{max} / M_{allowable} \leq 1.0$$

Where: P_{axial} is a maximum total load (Dead and Live/Snow in lbs) which is supported by the column

$P_{allowable}$ is a value from the Table 1

$$M_{max} = (M_1 + PL) / 2$$

(See Table 2 for values for M_1)

Table 1

Column description	Post heights			
	8'-0"	9'-0"	10'-0"	12'-0"
	Allowable Axial Loads (lbs)			
P330 4"x4"x.125" Extruded Aluminum 6061-T6	16,784	14,602	11,831	8,204
P329 3"x3"x.125" Extruded Aluminum 6061-T6	7,503	5,927	4,797	3,330
P378 3"x3"x.078" Extruded Aluminum 6063-T6	4,897	3,868	3,134	2,175
P363 3"x3"x.0747" Steel, ASTM A653 50 ksi	11,856	9,890	8,076	5,608

Note: Column heights are limited by $kL/r \leq 200$

Table 2

Wind Speed	Exposure	Post heights			
		8'-0"	9'-0"	10'-0"	12'-0"
90 mph	B	208	264	325	468
	C	252	320	394	567
100 mph	B	257	326	402	579
	C	311	395	487	701
110 mph	B	311	393	485	699
	C	377	476	587	846
120 mph	B	371	469	579	833
	C	449	568	701	1,008
130 mph	B	435	550	679	977
	C	527	666	822	1,183
140 mph	B	504	638	787	1,133
	C	610	772	953	1,371
150 mph	B	579	732	904	1,301
	C	701	886	1,094	1,575

$P = A \times \text{Wind Load}$

Where A is projected area for horizontal wind and equals to depth of fascia and/or beam (in FT) times column spacing (in FT)

L is a post height (in FT)

For wind load refer Table 3:

Table 3

Wind Speed	Exposure	Horizontal Wind Load (PSF)
90 mph	B	15.8
	C	19.2
100 mph	B	19.5
	C	23.7
110 mph	B	23.6
	C	28.6
120 mph	B	28.1
	C	34.1
130 mph	B	33
	C	40
140 mph	B	38.2
	C	46.4
150 mph	B	43.9
	C	53.3

Use Table 4 to determine $M_{allowable}$:

Table 4

Column description	Allowable Moment (LB-FT)
P330 4"x4"x.125" Extruded Aluminum 6061-T6	3,730
P329 3"x3"x.125" Extruded Aluminum 6061-T6	2,064
P378 3"x3"x.078" Extruded Aluminum 6063-T6	907
P363 3"x3"x.0747" Steel, ASTM A653 50 ksi	1,932

Notes:

- Tables above based on the following conditions:
 - Axial loads are equally distributed and applied without eccentricity
 - Post brackets are properly installed
 - Foundation shall meet local soil conditions and provide stability in free standing units
- The post heights shown in the tables above refer to unbraced length of the post
- Fascia and beam spans must be considered when selecting an appropriate support
- Values for M_1 (Table 2) and horizontal wind loads (Table 3) calculated for Wind Importance Factor of 1.0. For Wind Importance factor of 1.15 multiply those values by 1.15
- Paint steel columns embedded in concrete to 2" above grade on the inside and on the exterior. Use corrosion inhibiting paint per manufacturer's directions, or hot MOP with asphalt.
- Soil types assumed are sand, silty sand, clayed sand, gravel, sandy gravel, or rock. Bearing capacity 2500 psf. All footing to extend below frostline.
- All footing and column information are for the information only. Structure shall be reviewed by Professional Engineer for Local Conditions, Codes and requirements.
- Install columns PLUMB.

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972-987-8520

COLUMN TABLE

DATE 8-10-11
REVISIONS
DRAWN BY
SHEET # 9 OF 20

DRAWING # 9

FOOTING SCHEDULE

		SQUARE						
		WIND (MPH)						
		90	100	110	120	130	140	150
Footing Size	Depth	Tributary (Roof) Area, (sq. ft)						
2' - 0"	2' - 0"	12.9	10.1	9	7.3	6.1	5.2	4.5
2' - 6"	2' - 6"	26.8	21	18.8	15.2	12.6	10.7	9.3
3' - 0"	3' - 0"	48.4	37.8	33.9	27.5	22.8	19.3	16.7
3' - 6"	3' - 6"	79.4	62	55.6	45.1	37.3	31.7	27.5
4' - 0"	4' - 0"	131.5	94.8	85	69	57.1	48.5	42.1
		CIRCULAR						
		WIND (MPH)						
		90	100	110	120	130	140	150
Footing Size	Depth	Tributary (Roof) Area, (sq. ft)						
2' - 0"	2' - 0"	15	11.7	10.4	8.4	7	5.9	5.1
2' - 6"	2' - 6"	31.5	24.5	21.9	17.7	14.7	12.4	10.7
3' - 0"	3' - 0"	57.3	44.5	39.8	32.2	26.7	27.5	23.9
3' - 6"	3' - 6"	94.6	73.4	65.7	53.1	43.8	37.2	32.3
4' - 0"	4' - 0"	145.4	112.9	101	81.7	67.4	57.1	49.6

Following formula shall be used to determine the depth of the footing required to resist lateral loads, where footing is constrained by the slab:

$$d^2 = 4.25 (M_{max}/Sb)$$

Where:

d – depth of footing, in feet

M_{max} as calculated per Sheet 8, in foot-pounds

S – allowable lateral soil-bearing pressure

b – diameter of circular footing or diagonal dimension of square footing, in feet

Tributary (Roof) area = TW(tributary width of the beam) times the column spacing

STEEL REINFORCEMENT REQUIRED AT ALL FOOTINGS. BOTTOMS OF ALL FOOTINGS MUST BE BELOW FROST LINE. FOOTINGS HAVE NOT BEEN DESIGNED FOR SEISMIC. CONSULT PROFESSIONAL ENGINEER FOR ACTUAL SITE SPECIFIC FOOTING DESIGN.

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 972 987-8520

FOOTING SCHEDULE

DATE: 8-10-11
 DRAWN BY: [blank]
 REVISIONS: [blank]
 SHEET #: 10 OF 20

DRAWING # 10

**P141 - .062"x3"x6" PAN
EXTRUDED ALUMINUM 6063-T6
DEFLECTION BASE ON L/120 FOR LIVE LOAD
SIMPLE SPAN**

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	15' - 0"	13' - 1"	11' - 9"	11' - 0"
100	15' - 0"	13' - 1"	11' - 9"	11' - 0"
110	15' - 0"	13' - 1"	11' - 9"	11' - 0"
120	15' - 0"	13' - 1"	11' - 9"	11' - 0"
130	15' - 0"	13' - 1"	11' - 9"	11' - 0"
140	14' - 9"	13' - 1"	11' - 9"	11' - 0"
150	13' - 9"	13' - 1"	11' - 9"	11' - 0"

**P141 - .062"x3"x6" PAN
ALUMINUM ALLOY 3004-H36
DEFLECTION BASE ON L/180 FOR SNOW LOAD
SIMPLE SPAN**

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	12' - 9"	11' - 2"	10' - 2"	9' - 7"
100	12' - 9"	11' - 2"	10' - 2"	9' - 7"
110	12' - 9"	11' - 2"	10' - 2"	9' - 7"
120	12' - 9"	11' - 2"	10' - 2"	9' - 7"
130	12' - 9"	11' - 2"	10' - 2"	9' - 7"
140	12' - 9"	11' - 2"	10' - 2"	9' - 7"
150	12' - 9"	11' - 2"	10' - 2"	9' - 7"

**P177 - .032x3"x16" W-PAN
ALUMINUM ALLOY 3005-H281
DEFLECTION BASE ON L/120 FOR LIVE LOAD
SIMPLE SPAN**

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	11' - 1"	9' - 8"	8' - 9"	8' - 2"
100	11' - 0"	9' - 8"	8' - 9"	8' - 2"
110	9' - 8"	9' - 8"	8' - 9"	8' - 2"
120	8' - 9"	8' - 9"	8' - 9"	8' - 2"
130	8' - 2"	8' - 2"	8' - 2"	8' - 2"
140	7' - 9"	7' - 9"	7' - 9"	7' - 9"
150	7' - 3"	7' - 3"	7' - 3"	7' - 3"

**P177 - .032x3"x16" W-PAN
ALUMINUM ALLOY 3005-H281
DEFLECTION BASE ON L/180 FOR SNOW LOAD
SIMPLE SPAN**

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	9' - 8"	8' - 5"	7' - 8"	7' - 1"
100	9' - 8"	8' - 5"	7' - 8"	7' - 1"
110	9' - 8"	8' - 5"	7' - 8"	7' - 1"
120	8' - 9"	8' - 5"	7' - 8"	7' - 1"
130	8' - 2"	8' - 2"	7' - 8"	7' - 1"
140	7' - 9"	7' - 9"	7' - 8"	7' - 1"
150	7' - 3"	7' - 3"	7' - 3"	7' - 1"

NOTE: ALL SPANS ARE CALCULATED FOR THE WIND EXPOSURE "B" AND IMPORTANCE FACTOR OF 1.0
 FOR EXPOSURE "C" USE SPAN REDUCTION FACTOR OF 0.91
 FOR WIND IMPORTANCE FACTOR OF 1.15 USE SPAN REDUCTION FACTOR OF 0.93
 ROOF PANELS TO BE SLOPED MIN. OF 1/4" PER FOOT AND MAX. OF 2" PER FOOT
 SEE GENERAL NOTES. THIS SHEET IS INCOMPLETE WITHOUT GENERAL NOTES
 THIS IS FOR INFORMATION ONLY. THE STRUCTURE SHALL BE REVIEWED BY PROFESSIONAL
 ENGINEER FOR LOCAL CONDITIONS, CODES AND REQUIREMENTS.

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PANEL TABLES

DATE: 8-10-11
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DRAWING # 11

P176 - .025x3"x16" W-PAN
ALUMINUM ALLOY 3005-H281
 DEFLECTION BASE ON L/120 FOR LIVE LOAD
SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	10' - 1"	8' - 10"	7' - 6"	6' - 11"
100	9' - 1"	8' - 10"	7' - 6"	6' - 11"
110	8' - 3"	8' - 3"	7' - 6"	6' - 11"
120	7' - 6"	7' - 6"	7' - 6"	6' - 11"
130	6' - 11"	6' - 11"	6' - 11"	6' - 11"
140	6' - 5"	6' - 5"	6' - 5"	6' - 5"
150	6' - 0"	6' - 0"	6' - 0"	6' - 0"

P175 - .018x3"x16" W-PAN
ALUMINUM ALLOY 3005-H281
 DEFLECTION BASE ON L/120 FOR LIVE LOAD
SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	7' - 5"	6' - 6"	5' - 6"	5' - 0"
100	6' - 8"	6' - 6"	5' - 6"	5' - 0"
110	6' - 0"	6' - 0"	5' - 6"	5' - 0"
120	5' - 6"	5' - 6"	5' - 6"	5' - 0"
130	5' - 0"	5' - 0"	5' - 0"	5' - 0"
140	4' - 8"	4' - 8"	4' - 8"	4' - 8"
150	4' - 4"	4' - 4"	4' - 4"	4' - 4"

P176 - .025x3"x16" W-PAN
ALUMINUM ALLOY 3005-H281
 DEFLECTION BASE ON L/180 FOR SNOW LOAD
SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	8' - 11"	7' - 9"	7' - 1"	6' - 7"
100	8' - 11"	7' - 9"	7' - 1"	6' - 7"
110	8' - 3"	7' - 9"	7' - 1"	6' - 7"
120	7' - 6"	7' - 6"	7' - 1"	6' - 7"
130	6' - 11"	6' - 11"	6' - 11"	6' - 7"
140	6' - 5"	6' - 5"	6' - 5"	6' - 5"
150	6' - 0"	6' - 0"	6' - 0"	6' - 0"

P175 - .018x3"x16" W-PAN
ALUMINUM ALLOY 3005-H281
 DEFLECTION BASE ON L/180 FOR SNOW LOAD
SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	7' - 1"	6' - 4"	5' - 3"	4' - 10"
100	6' - 8"	6' - 4"	5' - 3"	4' - 10"
110	6' - 0"	6' - 0"	5' - 3"	4' - 10"
120	5' - 6"	5' - 6"	5' - 3"	4' - 10"
130	5' - 0"	5' - 0"	5' - 0"	4' - 10"
140	4' - 8"	4' - 8"	4' - 8"	4' - 8"
150	4' - 4"	4' - 4"	4' - 4"	4' - 4"

NOTE: ALL SPANS ARE CALCULATED FOR THE WIND EXPOSURE "B" AND IMPORTANCE FACTOR OF 1.0
 FOR EXPOSURE "C" USE SPAN REDUCTION FACTOR OF 0.91
 FOR WIND IMPORTANCE FACTOR OF 1.15 USE SPAN REDUCTION FACTOR OF 0.93
 ROOF PANELS TO BE SLOPED MIN. OF 1/4" PER FOOT AND MAX. OF 2" PER FOOT
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MASON CORPORATION
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PANEL TABLES

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**P151 - .019x3"x16" W-PAN
A 653 STEEL, GRADE 40**

DEFLECTION BASE ON L/120 FOR LIVE & L/180 FOR SNOW LOADS

SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	10' - 1"	8' - 6"	7' - 5"	6' - 8"
100	9' - 1"	8' - 6"	7' - 5"	6' - 8"
110	8' - 6"	8' - 1"	7' - 5"	6' - 8"
120	7' - 6"	7' - 6"	7' - 5"	6' - 8"
130	6' - 11"	6' - 11"	6' - 11"	6' - 8"
140	6' - 4"	6' - 4"	6' - 4"	6' - 4"
150	5' - 10"	5' - 10"	5' - 10"	5' - 10"

P143 - .023x3"x8" PAN

ALUMINUM ALLOY 3005-H281

DEFLECTION BASE ON L/120 FOR LIVE & L/180 FOR SNOW LOADS

SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	7' - 7"	6' - 7"	5' - 7"	5' - 2"
100	6' - 9"	6' - 7"	5' - 7"	5' - 2"
110	6' - 2"	6' - 2"	5' - 7"	5' - 2"
120	5' - 7"	5' - 7"	5' - 7"	5' - 2"
130	5' - 2"	5' - 2"	5' - 2"	5' - 2"
140	4' - 10"	4' - 10"	4' - 10"	4' - 10"
150	4' - 6"	4' - 6"	4' - 6"	4' - 6"

P144 - .030x3"x8" PAN

ALUMINUM ALLOY 3005-H281

DEFLECTION BASE ON L/120 FOR LIVE & L/180 FOR SNOW LOADS

SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	9' - 3"	8' - 0"	6' - 10"	6' - 2"
100	8' - 2"	8' - 0"	6' - 10"	6' - 2"
110	7' - 5"	7' - 5"	6' - 10"	6' - 2"
120	6' - 10"	6' - 10"	6' - 10"	6' - 2"
130	6' - 2"	6' - 2"	6' - 2"	6' - 2"
140	5' 10"	5' 10"	5' 10"	5' 10"
150	5' - 5"	5' - 5"	5' - 5"	5' - 5"

NOTE: ALL SPANS ARE CALCULATED FOR THE WIND EXPOSURE "B" AND IMPORTANCE FACTOR OF 1.0
 FOR EXPOSURE "C" USE SPAN REDUCTION FACTOR OF 0.91
 FOR WIND IMPORTANCE FACTOR OF 1.15 USE SPAN REDUCTION FACTOR OF 0.93
 ROOF PANELS TO BE SLOPED MIN. OF 1/4" PER FOOT AND MAX. OF 2" PER FOOT
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**P145 - .038x3"x8" PAN
ALUMINUM ALLOY 3005-H281**

DEFLECTION BASE ON L/120 FOR LIVE & L/180 FOR SNOW LOADS
SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	10' - 10"	9' - 3"	7' - 11"	7' - 2"
100	9' - 7"	9' - 3"	7' - 11"	7' - 2"
110	8' - 8"	8' - 8"	7' - 11"	7' - 2"
120	7' - 11"	7' - 11"	7' - 11"	7' - 2"
130	7' - 2"	7' - 2"	7' - 2"	7' - 2"
140	6' - 9"	6' - 9"	6' - 9"	6' - 9"
150	6' - 4"	6' - 4"	6' - 4"	6' - 4"

**P057 - .032x2 1/2"x12" PAN
ALUMINUM ALLOY 3005-H281**

DEFLECTION BASE ON L/120 FOR LIVE LOAD
SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	9' - 10"	8' - 4"	7' - 2"	6' - 6"
100	8' - 8"	8' - 4"	7' - 2"	6' - 6"
110	7' - 10"	7' - 10"	7' - 2"	6' - 6"
120	7' - 2"	7' - 2"	7' - 2"	6' - 6"
130	6' - 6"	6' - 6"	6' - 6"	6' - 6"
140	6' - 2"	6' - 2"	6' - 2"	6' - 2"
150	5' - 9"	5' - 9"	5' - 9"	5' - 9"

**P056 - .028x2 1/2"x12" PAN
ALUMINUM ALLOY 3005-H281**

DEFLECTION BASE ON L/120 FOR LIVE & L/180 FOR SNOW LOADS
SIMPLE SPAN

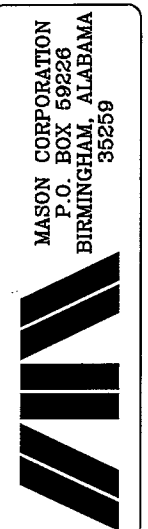
WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	8' - 8"	7' - 6"	6' - 4"	5' - 9"
100	7' - 8"	7' - 6"	6' - 4"	5' - 9"
110	7' - 0"	7' - 0"	6' - 4"	5' - 9"
120	6' - 4"	6' - 4"	6' - 4"	5' - 9"
130	5' - 9"	5' - 9"	5' - 9"	5' - 9"
140	5' - 5"	5' - 5"	5' - 5"	5' - 5"
150	5' - 1"	5' - 1"	5' - 1"	5' - 1"

**P057 - .032x2 1/2"x12" PAN
ALUMINUM ALLOY 3005-H281**

DEFLECTION BASE ON L/180 FOR SNOW LOAD
SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	9' - 6"	8' - 4"	7' - 2"	6' - 6"
100	8' - 8"	8' - 4"	7' - 2"	6' - 6"
110	7' - 10"	7' - 10"	7' - 2"	6' - 6"
120	7' - 2"	7' - 2"	7' - 2"	6' - 6"
130	6' - 6"	6' - 6"	6' - 6"	6' - 6"
140	6' - 2"	6' - 2"	6' - 2"	6' - 2"
150	5' - 9"	5' - 9"	5' - 9"	5' - 9"

NOTE: ALL SPANS ARE CALCULATED FOR THE WIND EXPOSURE "B" AND IMPORTANCE FACTOR OF 1.0
FOR EXPOSURE "C" USE SPAN REDUCTION FACTOR OF 0.91
FOR WIND IMPORTANCE FACTOR OF 1.15 USE SPAN REDUCTION FACTOR OF 0.93
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**P072 - .036x2 1/2"x12" PAN
ALUMINUM ALLOY 3005-H281
DEFLECTION BASE ON L/120 FOR LIVE LOAD
SIMPLE SPAN**

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	10' - 10"	9' - 2"	8' - 0"	7' - 2"
100	9' - 6"	9' - 2"	8' - 0"	7' - 2"
110	8' - 8"	8' - 8"	8' - 0"	7' - 2"
120	8' - 0"	8' - 0"	8' - 0"	7' - 2"
130	7' - 2"	7' - 2"	7' - 2"	7' - 2"
140	6' - 9"	6' - 9"	6' - 9"	6' - 9"
150	6' - 3"	6' - 3"	6' - 3"	6' - 3"

**P072 - .036x2 1/2"x12" PAN
ALUMINUM ALLOY 3005-H281
DEFLECTION BASE ON L/180 FOR SNOW LOAD
SIMPLE SPAN**

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	9' - 11"	8' - 8"	7' - 11"	7' - 2"
100	9' - 6"	8' - 8"	7' - 11"	7' - 2"
110	8' - 8"	8' - 8"	7' - 11"	7' - 2"
120	8' - 0"	8' - 0"	7' - 11"	7' - 2"
130	7' - 2"	7' - 2"	7' - 2"	7' - 2"
140	6' - 9"	6' - 9"	6' - 9"	6' - 9"
150	6' - 3"	6' - 3"	6' - 3"	6' - 3"

NOTE: ALL SPANS ARE CALCULATED FOR THE WIND EXPOSURE "B" AND IMPORTANCE FACTOR OF 1.0
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K072 - .036x2 1/2"x12" PAN
ALUMINUM ALLOY 3005-H281
 DEFLECTION BASE ON L/120 FOR LIVE LOAD
SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	10' - 9"	9' - 1"	7' - 11"	7' - 1"
100	9' - 5"	9' - 1"	7' - 11"	7' - 1"
110	8' - 7"	8' - 7"	7' - 11"	7' - 1"
120	7' - 11"	7' - 11"	7' - 11"	7' - 1"
130	7' - 1"	7' - 1"	7' - 1"	7' - 1"
140	6' - 8"	6' - 8"	6' - 8"	6' - 8"
150	6' - 2"	6' - 2"	6' - 2"	6' - 2"

K072 - .036x2 1/2"x12" PAN
ALUMINUM ALLOY 3005-H281
 DEFLECTION BASE ON L/180 FOR SNOW LOAD
SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	9' - 11"	8' - 9"	7' - 10"	7' - 1"
100	9' - 5"	8' - 9"	7' - 10"	7' - 1"
110	8' - 7"	8' - 7"	7' - 10"	7' - 1"
120	7' - 11"	7' - 11"	7' - 10"	7' - 1"
130	7' - 1"	7' - 1"	7' - 1"	7' - 1"
140	6' - 8"	6' - 8"	6' - 8"	6' - 8"
150	6' - 2"	6' - 2"	6' - 2"	6' - 2"

K057 - .032x2 1/2"x12" PAN
ALUMINUM ALLOY 3005-H281
 DEFLECTION BASE ON L/120 FOR LIVE LOAD
SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	9' - 9"	8' - 3"	7' - 1"	6' - 5"
100	8' - 7"	8' - 3"	7' - 1"	6' - 5"
110	7' - 9"	7' - 9"	7' - 1"	6' - 5"
120	7' - 1"	7' - 1"	7' - 1"	6' - 5"
130	6' - 5"	6' - 5"	6' - 5"	6' - 5"
140	6' - 1"	6' - 1"	6' - 1"	6' - 1"
150	5' - 8"	5' - 8"	5' - 8"	5' - 8"

K057 - .032x2 1/2"x12" PAN
ALUMINUM ALLOY 3005-H281
 DEFLECTION BASE ON L/180 FOR SNOW LOAD
SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	9' - 6"	8' - 3"	7' - 1"	6' - 5"
100	8' - 7"	8' - 3"	7' - 1"	6' - 5"
110	7' - 9"	7' - 9"	7' - 1"	6' - 5"
120	7' - 1"	7' - 1"	7' - 1"	6' - 5"
130	6' - 5"	6' - 5"	6' - 5"	6' - 5"
140	6' - 1"	6' - 1"	6' - 1"	6' - 1"
150	5' - 8"	5' - 8"	5' - 8"	5' - 8"

NOTE: ALL SPANS ARE CALCULATED FOR THE WIND EXPOSURE "B" AND IMPORTANCE FACTOR OF 1.0
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PANEL TABLES

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**K056 - .028x2 1/2"x12" PAN
ALUMINUM ALLOY 3005-H281**

DEFLECTION BASE ON L/120 FOR LIVE & L/180 FOR SNOW LOADS

SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	8' - 7"	7' - 5"	6' - 3"	5' - 8"
100	7' - 7"	7' - 5"	6' - 3"	5' - 8"
110	6' - 11"	6' - 11"	6' - 3"	5' - 8"
120	6' - 3"	6' - 3"	6' - 3"	5' - 8"
130	5' - 8"	5' - 8"	5' - 8"	5' - 8"
140	5' - 4"	5' - 4"	5' - 4"	5' - 4"
150	5' - 0"	5' - 0"	5' - 0"	5' - 0"

**K048 - .0239x2 1/2"x12" PAN
A 653 STEEL, GRADE 40**

DEFLECTION BASE ON L/120 FOR LIVE & L/180 FOR SNOW LOADS

SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	8' - 6"	7' - 2"	6' - 3"	5' - 7"
100	7' - 7"	7' - 2"	6' - 3"	5' - 7"
110	6' - 10"	6' - 10"	6' - 3"	5' - 7"
120	6' - 3"	6' - 3"	6' - 3"	5' - 7"
130	5' - 7"	5' - 7"	5' - 7"	5' - 7"
140	5' - 4"	5' - 4"	5' - 4"	5' - 4"
150	4' - 11"	4' - 11"	4' - 11"	4' - 11"

**P160 - .024x3"x12" PAN
ALUMINUM ALLOY 3005-H281**

DEFLECTION BASE ON L/120 FOR LIVE & L/180 FOR SNOW LOADS

SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	8' - 6"	8' - 6"	7' - 11"	7' - 4"
100	7' - 6"	7' - 6"	7' - 6"	7' - 6"
110	6' - 6"	6' - 6"	6' - 6"	6' - 6"
120	5' - 8"	5' - 8"	5' - 8"	5' - 8"
130	5' - 2"	5' - 2"	5' - 2"	5' - 2"
140	4' - 9"	4' - 9"	4' - 9"	4' - 9"
150	4' - 4"	4' - 4"	4' - 4"	4' - 4"

NOTE: ALL SPANS ARE CALCULATED FOR THE WIND EXPOSURE "B" AND IMPORTANCE FACTOR OF 1.0
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**P162 - .030x3"x12" PAN
ALUMINUM ALLOY 3005-H281**

DEFLECTION BASE ON L/120 FOR LIVE & L/180 FOR SNOW LOADS
SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	10' - 6"	9' - 4"	8' - 6"	7' - 10"
100	9' - 2"	9' - 2"	8' - 6"	7' - 10"
110	7' - 9"	7' - 9"	7' - 9"	7' - 9"
120	6' - 11"	6' - 11"	6' - 11"	6' - 11"
130	6' - 2"	6' - 2"	6' - 2"	6' - 2"
140	5' - 9"	5' - 9"	5' - 9"	5' - 9"
150	5' - 5"	5' - 5"	5' - 5"	5' - 5"

**P165 - .0179x3"x16" W-PAN
A 653 STEEL, GRADE 40**

DEFLECTION BASE ON L/120 FOR LIVE LOAD
SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	11' - 11"	10' - 2"	8' - 10"	7' - 11"
100	10' - 8"	10' - 2"	8' - 10"	7' - 11"
110	9' - 8"	9' - 8"	8' - 10"	7' - 11"
120	8' - 10"	8' - 10"	8' - 10"	7' - 11"
130	7' - 11"	7' - 11"	7' - 11"	7' - 11"
140	7' - 6"	7' - 6"	7' - 6"	7' - 6"
150	7' - 0"	7' - 0"	7' - 0"	7' - 0"

**P165 - .0179x3"x16" W-PAN
A 653 STEEL, GRADE 40**

DEFLECTION BASE ON L/180 FOR SNOW LOAD
SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	11' - 2"	9' - 8"	8' - 10"	7' - 11"
100	10' - 8"	9' - 8"	8' - 10"	7' - 11"
110	9' - 8"	9' - 8"	8' - 10"	7' - 11"
120	8' - 10"	8' - 10"	8' - 10"	7' - 11"
130	7' - 11"	7' - 11"	7' - 11"	7' - 11"
140	7' - 6"	7' - 6"	7' - 6"	7' - 6"
150	7' - 0"	7' - 0"	7' - 0"	7' - 0"

NOTE: ALL SPANS ARE CALCULATED FOR THE WIND EXPOSURE "B" AND IMPORTANCE FACTOR OF 1.0
FOR EXPOSURE "C" USE SPAN REDUCTION FACTOR OF 0.91
FOR WIND IMPORTANCE FACTOR OF 1.15 USE SPAN REDUCTION FACTOR OF 0.93
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PANEL TABLES

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REVISIONS:
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DRAWING # 18

**.019"x3"x8" FLAT PAN
A653 STEEL, GRADE 40**

DEFLECTION BASE ON L/120 FOR LIVE & L/180 FOR SNOW LOADS
SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	10' - 11"	10' - 9"	9' - 5"	8' - 6"
100	9' - 9"	9' - 9"	9' - 5"	8' - 6"
110	8' - 10"	8' - 10"	8' - 10"	8' - 6"
120	8' - 1"	8' - 1"	8' - 1"	8' - 1"
130	7' - 6"	7' - 6"	7' - 6"	7' - 6"
140	6' - 11"	6' - 11"	6' - 11"	6' - 11"
150	6' - 5"	6' - 5"	6' - 5"	6' - 5"

**.0239"x3"x8" FLAT PAN
A653 STEEL, GRADE 40**

DEFLECTION BASE ON L/120 FOR LIVE & L/180 FOR SNOW LOADS
SIMPLE SPAN

WIND (MPH)	UNIFORM ROOF GRAVITY LOAD (PSF)			
	20	30	40	50
90	13' - 0"	11' - 8"	10' - 8"	9' - 8"
100	11' - 7"	11' - 7"	10' - 8"	9' - 8"
110	10' - 6"	10' - 6"	10' - 6"	9' - 8"
120	9' - 7"	9' - 7"	9' - 7"	9' - 7"
130	8' - 10"	8' - 10"	8' - 10"	8' - 10"
140	8' - 2"	8' - 2"	8' - 2"	8' - 2"
150	7' - 8"	7' - 8"	7' - 8"	7' - 8"

NOTE: ALL SPANS ARE CALCULATED FOR THE WIND EXPOSURE "B" AND IMPORTANCE FACTOR OF 1.0
 FOR EXPOSURE "C" USE SPAN REDUCTION FACTOR OF 0.91
 FOR WIND IMPORTANCE FACTOR OF 1.15 USE SPAN REDUCTION FACTOR OF 0.93
 ROOF PANELS TO BE SLOPED MIN. OF 1/4" PER FOOT AND MAX. OF 2" PER FOOT
 SEE GENERAL NOTES IN COMPLETE ENGINEERING PACKAGE. THIS SHEET IS INCOMPLETE
 WITHOUT GENERAL NOTES. THIS IS FOR INFORMATION ONLY. THE STRUCTURE SHALL BE
 REVIEWED BY PROFESSIONAL ENGINEER FOR LOCAL CONDITIONS, CODES AND REQUIREMENTS.

MASON CORPORATION
P.O. BOX 59226
BIRMINGHAM, ALABAMA
35259



LG ENGINEERING, LLC
CANOPY MANUFACTURER'S
ENGINEER
4100 WASKOM DR
PLANO, TX 75024
972-987-8520

PANEL TABLES

DATE: 8-10-11
DRAWN BY:
REVISIONS:
SHEET # 19 OF 20

DRAWING # 19

SPACING SUPPORT FRAME

LOADING	20 PSF 90 MPH, EXP. C					
PROJECTION	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
MAX SPACING	22'-6"	15'-6"	11'-0"	7'-9"	5'-9"	4'-3"
STRUT LOAD (LBS)	3061	2565	2165	1750	1485	1220

LOADING	20 PSF 100 MPH, EXP. C					
PROJECTION	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
MAX SPACING	18'-0"	12'-4"	8'-9"	6'-2"	4'-7"	3'-5"
STRUT LOAD (LBS)	3044	2540	2140	1730	1470	1220

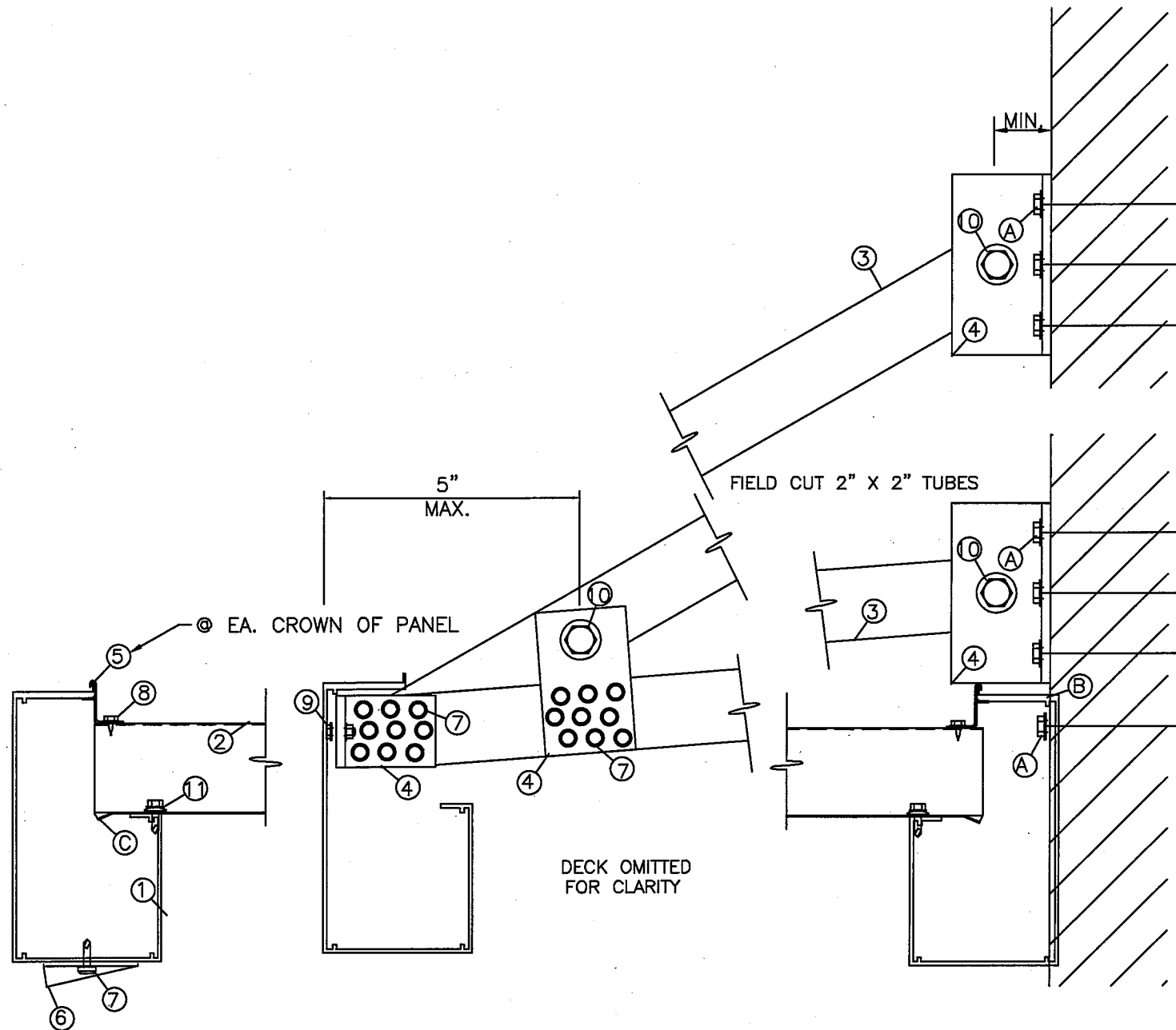
LOADING	30 PSF 110 MPH, EXP. C					
PROJECTION	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
MAX SPACING	14'-9"	10'-2"	7'-3"	5'-1"	3'-9"	2'-9"
STRUT LOAD (LBS)	3040	2550	2161	1730	1465	1200

LOADING	30 PSF 120 MPH, EXP. C					
PROJECTION	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
MAX SPACING	12'-3"	8'-6"	6'-0"	4'-3"	3'-2"	2'-4"
STRUT LOAD (LBS)	3026	2554	2145	1740	1485	1220

LOADING	40 PSF 130 MPH, EXP. C					
PROJECTION	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
MAX SPACING	10'-6"	7'-3"	5'-1"	3'-7"	2'-8"	1'-11"
STRUT LOAD (LBS)	3052	2564	2140	1725	1470	1180

LOADING	50 PSF 140 MPH, EXP. C					
PROJECTION	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
MAX SPACING	9'-0"	6'-2"	4'-5"	3'-1"	2'-3"	1'-8"
STRUT LOAD (LBS)	3044	2540	2160	1720	1445	1200

LOADING	60 PSF 150 MPH, EXP. C					
PROJECTION	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
MAX SPACING	7'-9"	5'-4"	3'-9"	2'-8"	2'-0"	1'-5"
STRUT LOAD (LBS)	3017	2530	2120	1725	1475	1170



1. FASCIA GUTTER AS REQUIRED BY DESIGN
2. PANELS AS REQUIRED BY DESIGN ROLL FORMED ALUMINUM DECK
3. P278 - 2" X 2" X 1/8" EXTRUDED ALUMINUM TUBE, 6061-T6
4. P279 - PARTS KIT FOR THE OVERHEAD SUPPORTS
5. P246 - FASTENER BAR
6. P521 - SCUPPER
7. P405 - #14 TORX HEAD TEK SCREW - QUANTITY AS REQ'D BY DESIGN
8. P406 - SHEETMETAL SCREW
9. (2) 3/8" Ø BOLTS OR AS REQ'D BY DESIGN
10. 1/2" Ø BOLT OR AS REQ'D BY DESIGN
11. P401 - #14 TEK SCREW - QUANTITY AS REQ'D BY DESIGN

ALL CLIPS AND BRACKETS TO BE EXTRUDED ALUMINUM 6061-T6, MIN. .25" THICK U.N.O. BY DESIGN

FIELD ASSEMBLY AND SOME FIELD FABRICATION ARE REQUIRED.

- A. WALL ANCHORS NOT BY MASON CORP.
- B. SEALANT OR FLASHING AS REQUIRED NOT BY MASON CORP.
- C. BEND LIP IN FIELD

ATTACHMENT NOTE
ATTACHMENT TO THE WALL OF THE FASCIA GUTTER AND THE WALL BRACKET WILL BE DETERMINED BY THE BUILDING ENGINEER DEPENDING UPON THE WALL MATERIAL AND STRUCTURAL INTEGRITY OF THE WALL. MASON CORPORATION CANNOT ACCEPT THE RESPONSIBILITY FOR THE SELECTION OF WALL FASTENERS OR FAILURES RESULTING FROM IMPROPER SELECTION AND/OR INSTALLATION.

1. MAX. FRAME SPACING MAY BE CONTROLLED BY CONNECTION TO THE WALL. WALL CONNECTIONS TO BE DESIGNED BY THE BUILDING ENGINEER. CONNECTIONS ARE NOT RESPONSIBILITY OF MASON CORPORATION.
2. THE SHOWN SPACING IS FOR HANGERS ONLY. PANELS AND FASCIA MUST BE CHECKED TO ASSURE THAT IT WILL WORK WITH LOADING AND SPACING.
3. WIND CALCULATIONS WERE BASED ON THE IMPORTANCE FACTOR OF 1.0. CONSULT PROFESSIONAL ENGINEER FOR A DIFFERENT CONDITIONS.
4. IF REQUIRED HANGER SPACING IS 5' OR LESS PROVIDE ADDITIONAL SET OF HANGERS AT EA. END OF THE CANOPY TO CUT THE REQ'D SPACING IN HALF AT THE 3' ENDS OF THE CANOPY.

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OVERHEAD SUPPORT
HANGER'S TABLE

DATE: 8-10-11
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