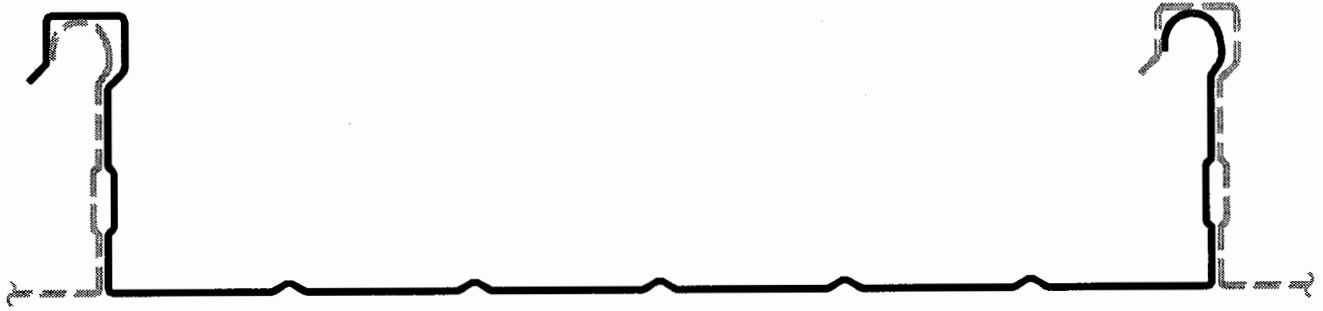


ADDENDUM

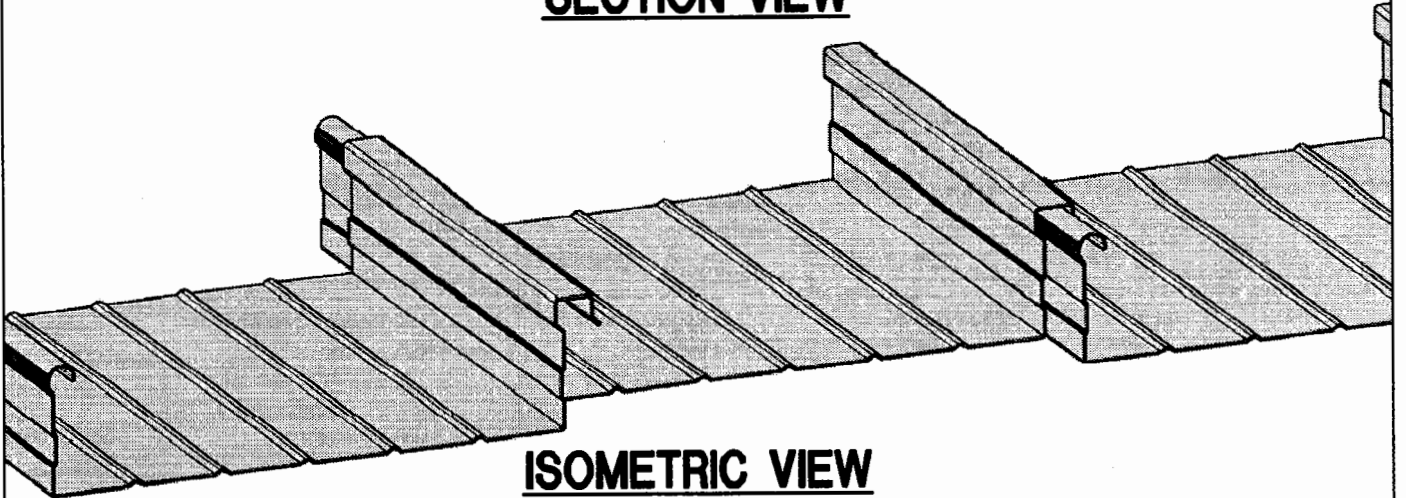
20160223 CANOPY

The following is an addendum to the Sumner County Board of Education bid, 20160223 Canopy. The addendum is to add additional specifications for clarification purposes.

SEE ATTACHED



SECTION VIEW



ISOMETRIC VIEW

SECTION PROPERTIES:

MATERIAL	ALUMNIUM	ALUMNIUM	STEEL
THICKNESS	0.025"	0.032"	26 GAGE (0.0179")
1. AREA	0.493 IN ²	0.656 IN ²	0.366 IN ²
2. WEIGHT	0.578 PSF	0.770 PSF	1.245 PSF
3. MOMENT OF INERTIA	0.585 IN ⁴	0.777 IN ⁴	0.430 IN ⁴
4. SECTION MODULUS TOP	0.260 IN ³	0.345 IN ³	0.191 IN ³
5. SECTION MODULUS BOTTOM	0.754 IN ³	0.998 IN ³	0.560 IN ³

NOTES:

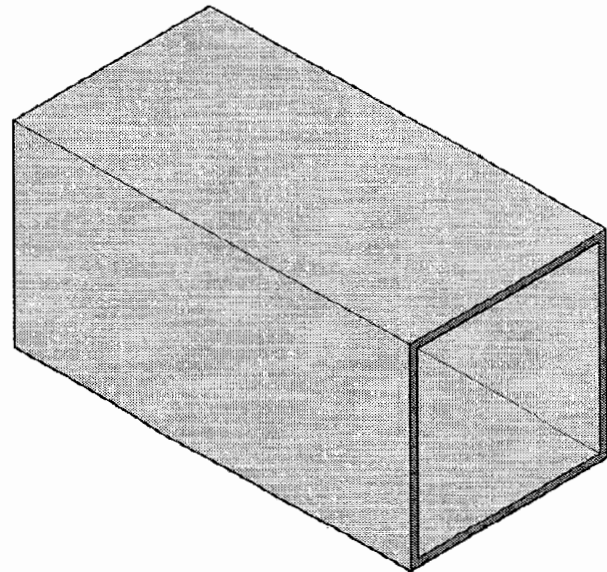
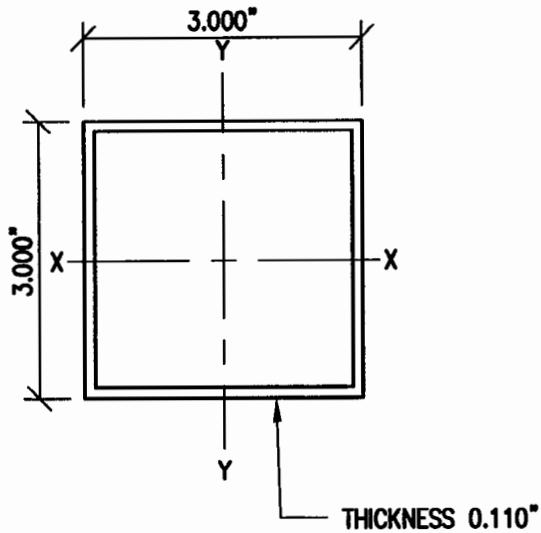
1. ALUMNIUM DECK IS FABRICATED FROM ALUMNIUM ALLOY 3004-H36.
2. STEEL DECK IS FABRICATED FROM ASTM A1008 STEEL.
3. DECK IS PROVIDED CUT TO LENGTH.
4. SECTION PROPERTIES ARE FOR INFORMATION ONLY. MEMBER DESIGNS ARE OFTEN GOVERNED BY BUCKLING OR DEFLECTION AND THE FULL SECTION CAPACITY MAY NOT BE DEVELOPED.

ITEM NO.

40-0000

DESCRIPTION

3.0'x12' FLAT Pan Deck



SECTION VIEW

ISOMETRIC VIEW

SECTION PROPERTIES:

- | | |
|------------------------------|-----------------------|
| 1. AREA | 1.272 SQUARE INCHES |
| 2. WEIGHT | 1.530 POUNDS PER FOOT |
| 3. MOMENT OF INERTIA (X-X) | 1.773 IN ⁴ |
| 4. SECTION MODULUS (X-X) | 1.182 IN ³ |
| 5. RADIUS OF GYRATION (X-X) | 1.181 IN |
| 6. MOMENT OF INERTIA (Y-Y) | 1.773 IN ⁴ |
| 7. SECTION MODULUS (Y-Y) | 1.182 IN ³ |
| 8. RADIUS OF GYRATION (Y-Y) | 1.181 IN |
| 9. TORSION CONSTANT | 3.545 IN ⁴ |
| 10. POLAR RADIUS OF GYRATION | 1.670 IN |

NOTES:

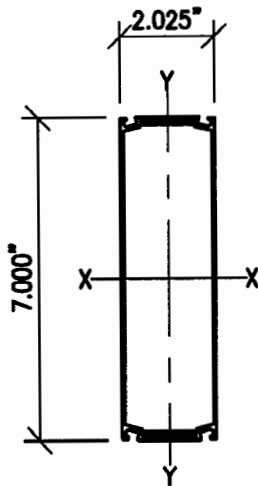
- 3x3 BOX TUBE IS AN EXTRUDED SHAPE FABRICATED FROM ALUMINIUM ALLOY 6005-T5.
- MAXIMUM STOCK LENGTH IS 24'-0"
- TYPICALLY USED AS A COLUMN.
- SECTION PROPERTIES ARE FOR INFORMATION ONLY. MEMBER DESIGNS ARE OFTEN GOVERNED BY BUCKLING OR DEFLECTION AND THE FULL SECTION CAPACITY MAY NOT BE DEVELOPED.

ITEM NO.

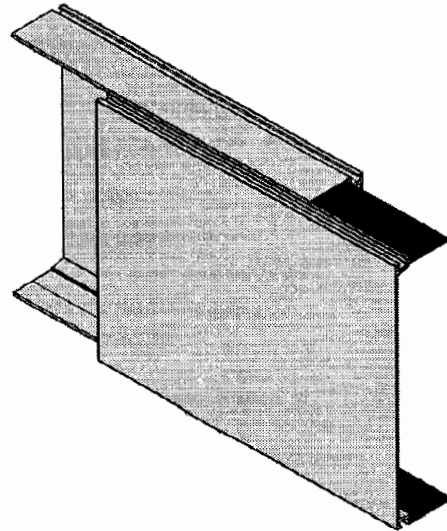
60-0000

DESCRIPTION

3x3 Box Tube



SECTION VIEW



ISOMETRIC VIEW

SECTION PROPERTIES (COMBINED SECTION):

- | | | |
|------------------------------|--------|-----------------|
| 1. AREA | 1.424 | SQUARE INCHES |
| 2. WEIGHT | 1.680 | POUNDS PER FOOT |
| 3. MOMENT OF INERTIA (X-X) | 9.934 | IN ⁴ |
| 4. SECTION MODULUS (X-X) | 2.838 | IN ³ |
| 5. RADIUS OF GYRATION (X-X) | 2.641 | IN |
| 6. MOMENT OF INERTIA (Y-Y) | 0.983 | IN ⁴ |
| 7. SECTION MODULUS (Y-Y) | 0.971 | IN ³ |
| 8. RADIUS OF GYRATION (Y-Y) | 0.831 | IN |
| 9. TORSION CONSTANT | 10.917 | IN ⁴ |
| 10. POLAR RADIUS OF GYRATION | 2.769 | IN |

NOTES:

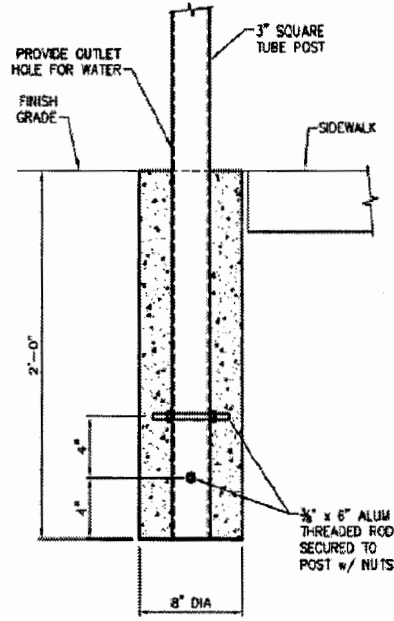
1. LAP BEAM IS AN EXTRUDED SHAPE FABRICATED FROM ALUMINIUM ALLOY 6005-T5.
2. MAXIMUM STOCK LENGTH IS 30'-0"
3. TYPICALLY USED TO SUPPORT DECK BETWEEN COLUMNS.
4. SECTION PROPERTIES ARE FOR INFORMATION ONLY. MEMBER DESIGNS ARE OFTEN GOVERNED BY BUCKLING OR DEFLECTION AND THE FULL SECTION CAPACITY MAY NOT BE DEVELOPED.

ITEM NO.

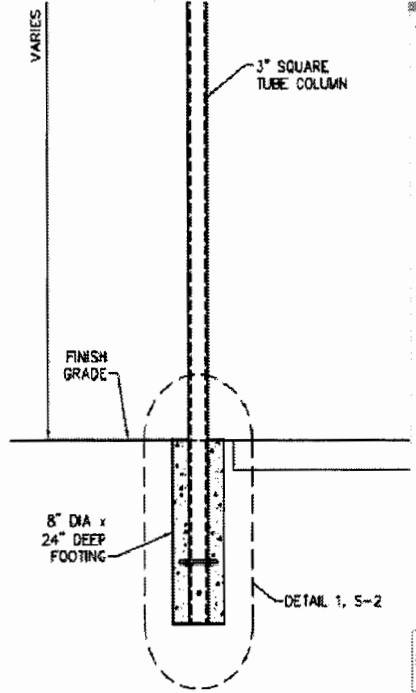
62-0000

DESCRIPTION

2'x7' Lap Beam



DETAIL 1
SCALE: 1/2" = 1'-0"



SECTION
SCALE: 3/8" = 1'-0"

IndianLakeElem-canopy_QUDOTE file 27 Jun 2011.PDF - Foxit PhantomPDF

File Edit Organize View Tools Comments Forms Secure SharePoint Help

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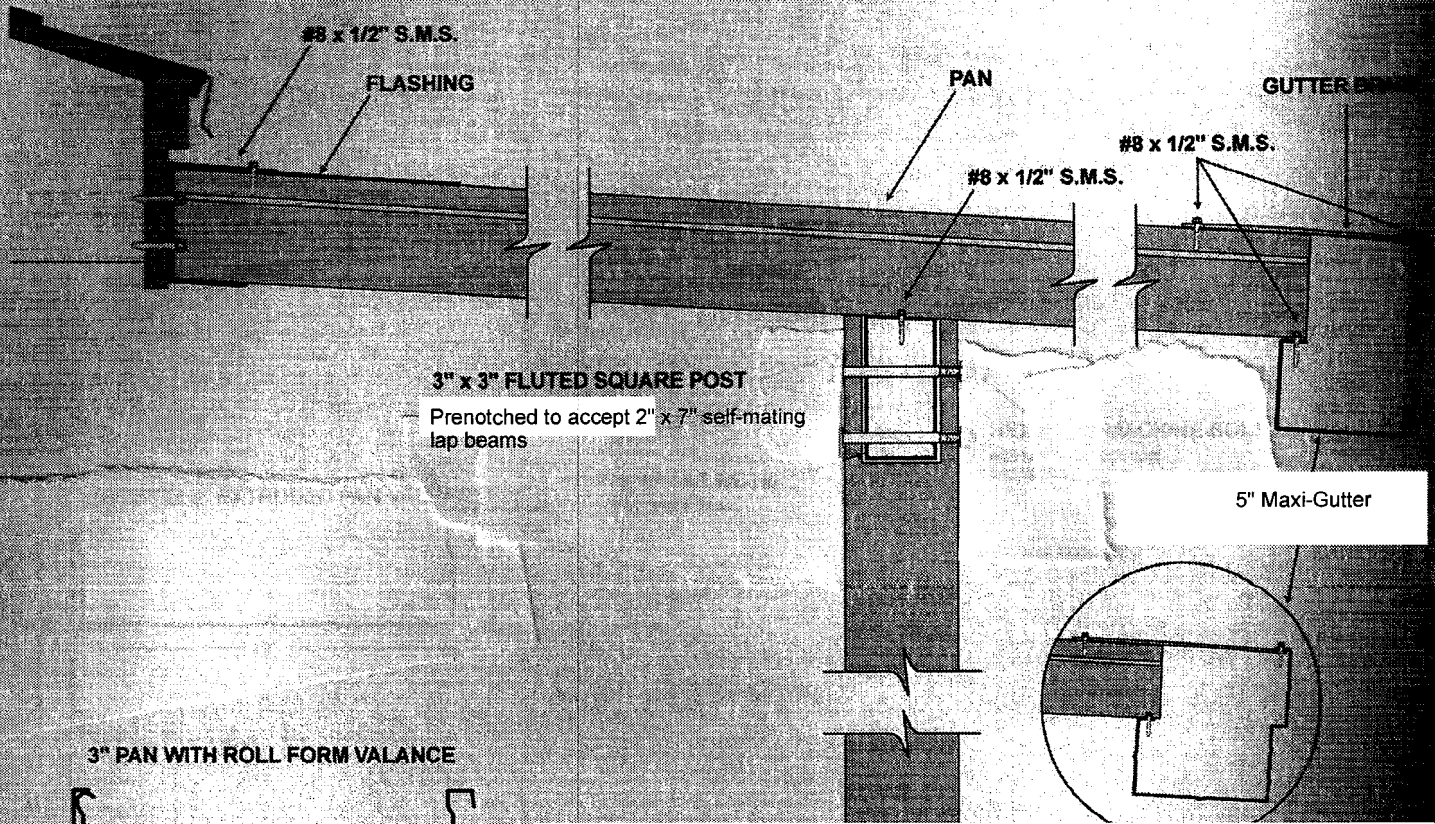
IndianLakeElem-canopy_Q... Design Guide 40pgs.pdf Design Technical Intro 3... Design Guide - SUCCEED-P... scan 02101600.pdf 02101601.PDF

STRUCTURAL GENERAL NOTES

1. GENERAL CONDITIONS
 - A. The design of the structure is intended to conform with the provisions of the International Building Code, 2006 Edition. All construction techniques and practices shall conform to the same Building Code.
 - B. The Contractor shall verify all dimensions in the field prior to construction. The contractor shall immediately notify the engineer of any discrepancies.
 - C. The design, adequacy, and safety of erection bracing are the sole responsibility of the contractor.
2. DESIGN LOADS
 - A. Roof
Live: 20 psf
 - B. Wind
The structure was designed to resist the forces produced by a 90 mph wind (Exposure "C") in accordance with the building code.
3. FOUNDATION DESIGN INFORMATION
 - A. The foundation design is based on an assumed allowable safe soil bearing capacity of 2,000 pounds per square foot.
4. REINFORCED CONCRETE
 - A. Minimum compressive strength of concrete at 28 days for Strength Design by ACI 318-95 Building Code Requirements For Structural Concrete shall be $f'c = 3,000$ psi
 - B. All concrete shall be vibrated by mechanical vibrators.
5. ALUMINUM STRUCTURE
 - A. Posts shall be 3"x3" Box Tubes having a wall thickness of 0.110" made from Alloy 6005-T5.
 - B. Decking shall be a 3"x12" Flat Pan having a thickness of 0.032" made from Alloy 3004-H36.
 - C. Gutters shall be 7" Maxi - Gutters having a wall thickness of 0.048" made from Alloy 304-H36.
 - D. Products shall be supplied by Ballew's Aluminum Products or approved equal.

4/5 123.80% 8:19 AM 2/10/2016

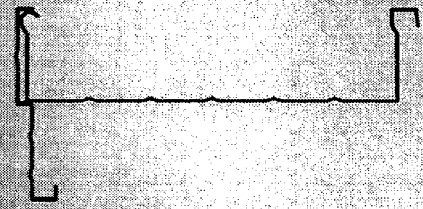
Typical End Elevation



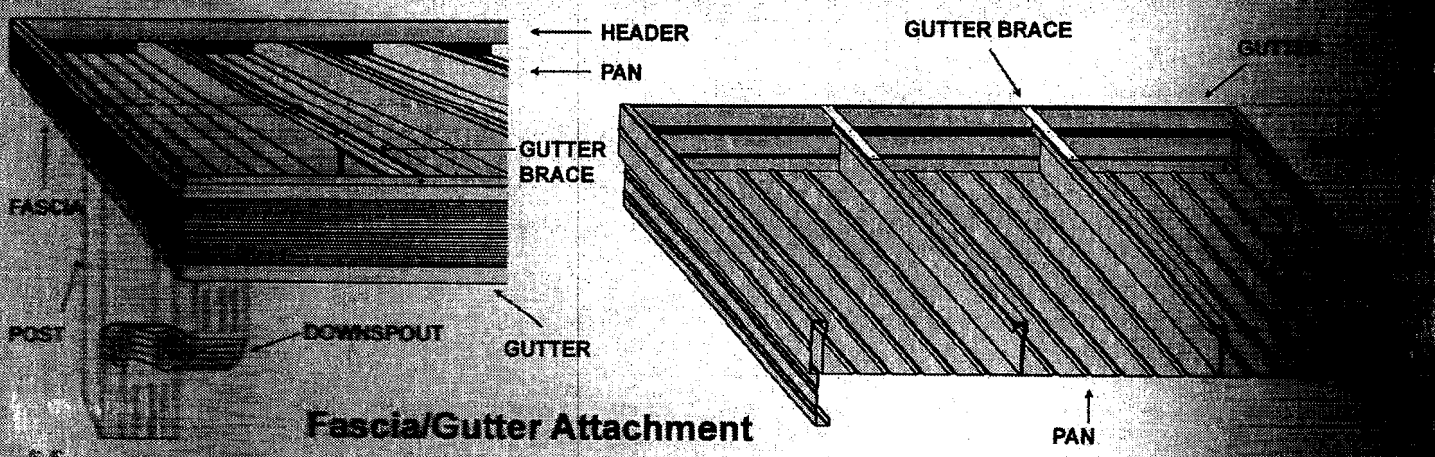
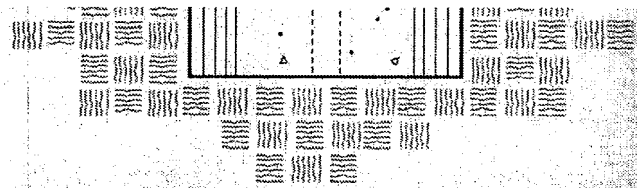
3" x 3" FLUTED SQUARE POST
 Prenotched to accept 2" x 7" self-mating lap beams

5" Maxi-Gutter

3" PAN WITH ROLL FORM VALANCE



See below grade specifications for setting posts:
 8" x 24" hole; posts drilled to accept 3/8" x 6" threaded rods bolted thru posts in two perpendicular locations with 4" separation; 3000 psi concrete mechanically vibrated for compaction.



Fascia/Gutter Attachment