ISOMETRIC VIEW

SECDON PROPERTIES:
MATERIAL AI..UMNIUM ALUMNIUM STEEL

THICKNESS 0.025• 0.032• 26 GAGE (0.0179j
1. AREA 0.493 IN"'~2 ----~0.656 IN"'...._2 ___ ...,J0.366 IN"'2
2. WBGHT 0.578 PSF O.no PSF 1.245 PSF
3. MOMENT OF INERTIA 0.585 IN"'4 O.m IN"'4 0.430 IN"'4
4. SECDON MODULUS TO~ 0.260 IN"'J 0.345 IN"'J 0.191 IN"'3
5. SECDON MODULUS BOTTOt.t.._0.754 IN"'3 0.998 IN""3 0.560 IN""3

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1. AI..UMNIUM DECK IS FABRICATED FROM AI..UMNIUM 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 BUCKUNG OR DEFLECDON AND THE FULL SECDON CAPACnY MAY NOT BE DEVELOPED.

40-0000 3.0'x12' FLAT Pan Deck

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,__ THICKNESS 0.11 o•

SECTION VIEW ISOMETRIC VIEW

SECJ]ON PROPERTIES;
1. AREA 1.272 SQUARE INCHES
2. WEIGHT .530 POUNDS PER FOOT

3. MOMENT OF INERTIA (X-X) 1.n3 IN""4
4. SECTION MODULUS (X-X) 1.182 IN""3
5. RADIUS OF GYRAnON (X-XL_1.181 IN
6. MOMENT OF INERTIA (Y-Y) 1.n3 IN""4
7. SECnON MODULUS (Y-Y) 1.182 IN""3
8. RADIUS OF GYRAnON (Y-Y) 1.181 IN
9. TORSION CONSTANT 3.545 IN""4

10. POLAR RADIUS OF GYRAnOL_l.670 IN

tmiES:.
1. 3x3 BOX TUBE IS AN EXTRUDED SHAPE FABRICATED FROM ALUMNIUM Ml..OY 6005-T5.

2. MAXIMUM STOCK LENGTH IS 24'-o•

3. TYPICALLY USED AS A COLUMN.

4. SECTION PROPERnES ARE FOR INFORMAOON ONLY. MEMBER DESIGNS ARE OFTEN GOVERNED BY BUCKUNG OR DEFLECnON AND THE FULL SECTION CAPACilY MAY NOT BE DEVELOPED.

ITEM NO. DESCRIPTION

60-0000 3x3

File Edt View

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3• SQUARE

lUBE POST

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Fie Edit lXganize View r ools Comments

1. GENERAL CONDITIONS

A. The design of the structure is intended to conform with the provisions of the International Buildin9 Code, 2006 Edition. All construction

techniques ond practices shan 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. Theu6j -0.0151 s>BDC 0 5 Tm (A.)Tjare accordance

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accordanc32987 275238.1 BDC 0 mechanicalode.

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.