

GENERAL NOTES

DESIGN LOADS

BUILDING CODE IBC 2006
LIVE LOADS 5 PSF
SNOW LOAD 5 PSF
WIND LOADS 90 MPH (3-SEC GUST)
EXPOSURE : C

STRUCTURAL STEEL

- 1.- ALL STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE C, UNLESS OTHERWISE NOTED, TYPICAL MECHANICAL PROPERTIES FOR HSS PRODUCTS:
HSS Ø 6.625 x 0.280 46,000 PSI YIELD / 62,000 PSI TENSILE
HSS Ø 8.625 x 0.322 46,000 PSI YIELD / 62,000 PSI TENSILE
HSS Ø 10.75 x 0.365 46,000 PSI YIELD / 62,000 PSI TENSILE
HSS Ø 12.75 x 0.375 46,000 PSI YIELD / 62,000 PSI TENSILE
HSS Ø 14.00 x 0.375 46,000 PSI YIELD / 62,000 PSI TENSILE
HSS Ø 16.00 x 0.375 46,000 PSI YIELD / 62,000 PSI TENSILE
- 2.- ALL PLATES PRODUCTS SHALL COMPLY WITH ASTM A572 GRADE 50.
- 3.- ALL STEEL TUBING SHALL BE TRIPLE COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS. TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.
- 4.- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.
- 5.- ALL SHOP WELDS SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY (AWS) D1.1 SPECIFICATIONS. ALL WELDS SHALL BE CONTINUOUS WHERE LENGTH IS NOT GIVEN, UNLESS OTHERWISE SHOWN OR NOTED ON DRAWINGS. ALL WELDS SHALL BE MADE USING E70XX .045 WIRE.
- 6.- SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. FIELD CONNECTIONS SHALL BE AS INDICATED ON THE DRAWINGS (IF REQUIRED). ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" UNLESS OTHERWISE NOTED. FIELD WELDS SHALL NOT BE ALLOWED.
- 7.- ALL STRUCTURAL STEEL SHALL BE PAINTED WITH ONE SHOP COAT (2.5 TO 3.5 MILS THICK MIN). THIS COAT IS A WEATHER RESISTANT POWDER COATING BASED ON POLYESTER TGIC (MANUFACTURED BY SHERWIN WILLIAMS OR TIGER DRYLAC). TO ACHIEVE OPTIMUM ADHESION, IT IS RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING. POLYESTER POWDER (TGIC) SPECIFICATIONS SHALL BE AS FOLLOWS:
- PENCIL HARDNESS (ASTM D-3363)
- HUMIDITY (ASTM D-2247)
- SOLVENT RESISTANCE (PCI METHOD) - 50 DBL RUBS SL. SOFTNES
- 8.- IAS CERTIFICATION No: FA-428
- 9.- CLARK COUNTY MANUFACTURER CERT. No: 355 (NEVADA ONLY)
- 10.- NO STEEL SPECIAL INSPECTIONS REQUIRED.

CLOTH SPECIFICATION

- 1.- FABRIC SHALL BE A HIGH DENSITY POLYETHYLENE WITH ULTRA VIOLET ADDITIVES, WITH MONOFILAMENT AND TAPE CONSTRUCTION GIVING A STABLE MATERIAL AND RACHEL KNITTED TO ENSURE MATERIAL WILL NOT UNRAVEL IF CUT.
- 2.- FABRIC SPECIFICATIONS:
- | | SOLID COLORS | STRIPE COLORS |
|-------------------|---|----------------------------------|
| - TEAR STRENGTH | WARP 220.46 LB
WEFT 462.97 LB | WARP 182.98 LB
WEFT 401.24 LB |
| - BURST STRENGTH | 37.71 PSIA | 33.07 PSIA |
| - FADING | MINIMUM FADING AFTER 5 YEARS | |
| - LIFE EXPECTANCY | A MINIMUM OF 8 YEARS CONTINUOUS EXPOSURE TO THE SUN | |
- 3.- FIRE TEST ON FABRIC: NFPA 701 TEST 2 AND ASTM E 84
- FLAME SPREAD INDEX (FSI) : 10
- SMOKE DEVELOPED INDEX (SDI) : 50
- 4.- THREAD-PTFE (TEFLON) USED MEET THE FOLLOWING SPECIFICATIONS: HIGH STRENGTH, LOW SHRINKAGE, WIDE TEMPERATURE RANGE, FLEX & ABRASION RESISTANT AND UV RADIATION IMMUNITY. LOCKSTITCH - 1200 DENIER. CHAINSTITCH THREAD - 2400 DENIER.
- 5.- IF SHADE STRUCTURE IS TO BE LOCATED ADJACENT TO AN EXISTING BUILDING, THE COLOR OF THE SHADE WILL MATCH THAT OF THE BUILDING.

AIRCRAFT CABLE

- 1.- WIRE ROPE CABLE SHALL BE 7x19 STRAND CORE GALVANIZED WIRE ROPE WITH A BREAKING STRENGTH VALUE OF 7,000 LBS (1/4" DIAMETER), OR GALVANIZED WIRE ROPE WITH A BREAKING STRENGTH VALUE OF 14,500 LBS (3/8" DIAMETER) IF ANY SIDE EXCEEDS 30 FEET IN LENGTH.
- 2.- CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSELY UNDERSIZED) REACH A TAUNT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTENING VISITS AS REQUIRED.

SPECIAL INSPECTION

- 1.- NO SPECIAL INSPECTION IS REQUIRED

ENGINEER OF RECORD

TOM SADLER
500 MAIN ST STE 700
FORT WORTH, TX 76102
TEL.: 817-332-1074 FAX: 817-338-0335

28251

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3000	NC	FOUNDATION PLAN
3001	NC	FOOTING DETAILS

LIST OF MATERIALS

ITEM	QTY.	DESCRIPTION	MATERIAL/ DWG.	SMI PART No.
1A	1	COLUMN 1A	HSS 14.000 x 0.375	----
1B	1	COLUMN 1B	HSS 14.000 x 0.375	----
1C	1	COLUMN 1C	HSS 14.000 x 0.375	----
1D	1	COLUMN 1D	HSS 10.750 x 0.365	----
1E	1	COLUMN 1E	HSS 14.000 x 0.375	----
1F	1	COLUMN 1F	HSS 14.000 x 0.375	----
1G	1	COLUMN 1G	HSS 14.000 x 0.375	----
1H	1	COLUMN 1H	HSS 10.750 x 0.365	----
1J	1	COLUMN 1J	HSS 10.750 x 0.365	----
2A	1	FABRIC TOP 2A	HDPE MESH	----
2B	1	FABRIC TOP 2B	HDPE MESH	----
2C	1	FABRIC TOP 2C	HDPE MESH	----
2D	1	FABRIC TOP 2D	HDPE MESH	----
2E	1	FABRIC TOP 2E	HDPE MESH	----
2F	1	FABRIC TOP 2F	HDPE MESH	----
2G	1	FABRIC TOP 2G	HDPE MESH	----
2H	1	FABRIC TOP 2H	HDPE MESH	----
2J	1	FABRIC TOP 2J	HDPE MESH	----
3A	6	STEEL CABLE 3A	GALVANIZED	SAI-CBA-3/8"- 43 FT
3B	5	STEEL CABLE 3B	GALVANIZED	SAI-CBA-3/8"- 40 FT
3C	4	STEEL CABLE 3C	GALVANIZED	SAI-CBA-3/8"- 38 FT
3D	2	STEEL CABLE 3D	GALVANIZED	SAI-CBA-3/8"- 35 FT
3E	2	STEEL CABLE 3E	GALVANIZED	SAI-CBA-3/8"- 32 FT
3F	2	STEEL CABLE 3F	GALVANIZED	SAI-CBA-3/8"- 46 FT
3G	2	STEEL CABLE 3G	GALVANIZED	SAI-CBA-3/8"- 36 FT
3H	2	STEEL CABLE 3H	GALVANIZED	SAI-CBA-3/8"- 24 FT
3J	2	STEEL CABLE 3J	GALVANIZED	SAI-CBA-3/8"- 29 FT
4	27	Ø5/8" ANCHOR SHACKLE	GALVANIZED	----
5	54	Ø3/8" CABLE CLAMPS	GALVANIZED	----
6	27	Ø3/8" THIMBLE	GALVANIZED	----

CODE ANALYSIS

BUILDING	OCCUPANCY	CONSTRUCTION TYPE	AREA (SQF)	OCCUPANT LOAD
SHADE STRUCTURE SEE PAGE 2000	U	V-B	4128	N/A

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES, INC. AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.



CORPORATE HEADQUARTERS
8505-A CHANCELLOR ROW
DALLAS, TX, 75247
800-968-5005
WEST COAST HEADQUARTERS
350 KALMUS DR.
COSTA MESA, CA, 92626
800-507-4233
REGIONAL OFFICES:
PALM DESERT, CA. - NORTHERN CA -
NEW JERSEY - ARIZONA - NEVADA
HOUSTON - AUSTIN

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER
CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
**WRG
DESIGNS**
PROJECT NAME:
**SAND HILL
OWENS**
LOCATION:
**LAS VEGAS,
NV**
PROJECT NUMBER.
38313

STRUCTURE TYPE:
**TENSION SAILS
(C U S T O M)**
SIZE:
SEE PAGE 2000

SCALE : AS NOTED
DRAWING SIZE:
D

	...	...	ENG
	---	---	CHK
	JR	DATE	DRW
	11/03/09	DATE	ENG
RELEASE FOR CONSTRUCTION (CUSTOM)	DESCRIPTION		
	NC	REV	

Eng. By : JO	10/28/09
Design By : JR	10/28/09
Approved By : JR	10/28/09

DRAWING DESCRIPTION: NOTES / LOM	
DWG.	38313-1.0
PAGE	1000
REV.	NC

WARNING.
FABRIC TOP NEEDS TO
BE REMOVED IN WINTER
5 PSF OF SNOW MAXIMUM ALLOWED
FABRIC TOP NEEDS TO
BE REMOVED IF WINDS EXCEEDING
90 MPH ARE ANTICIPATED