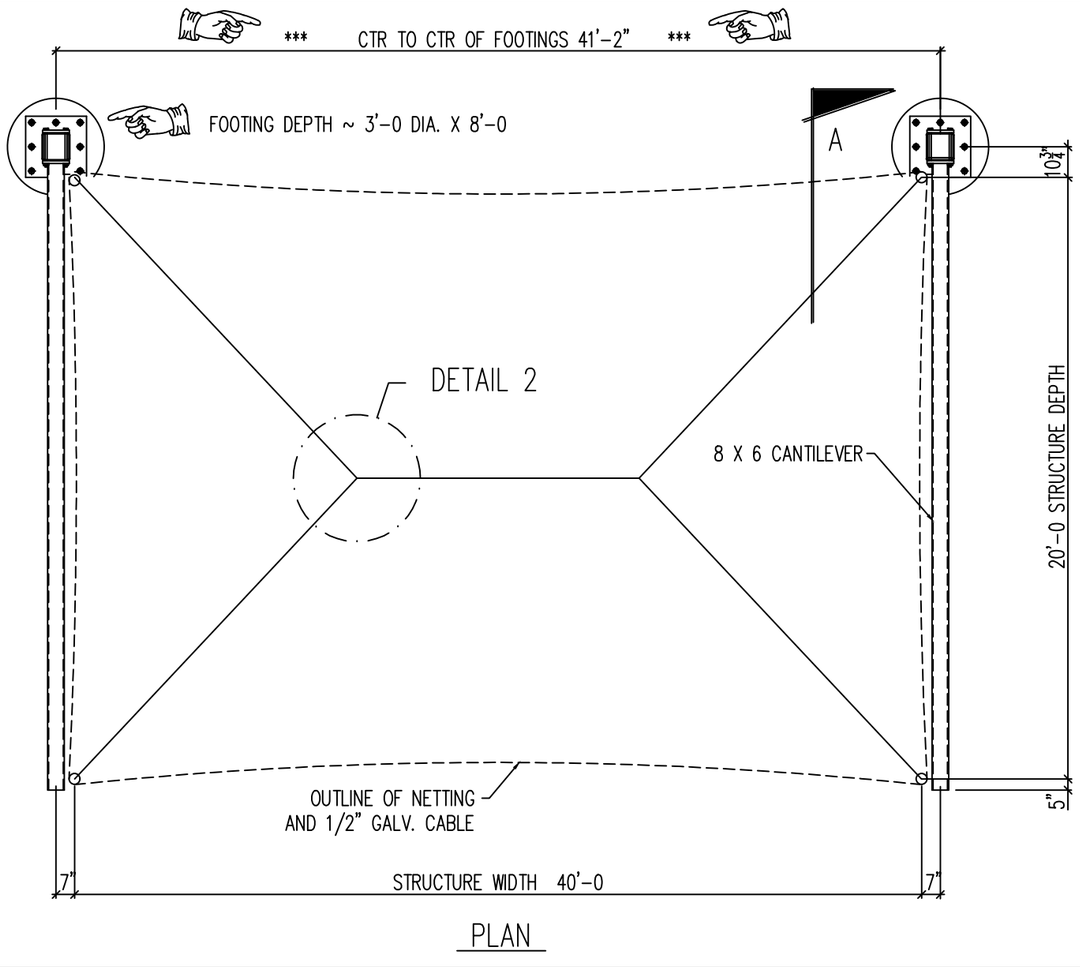
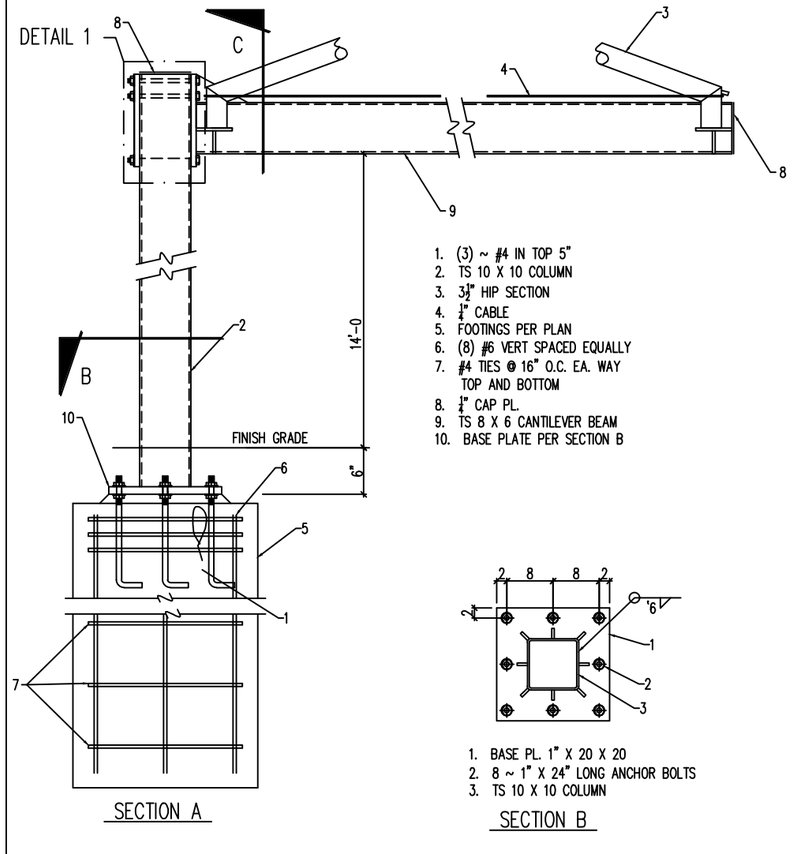


PLAN



SECTION A

1. (3) ~ #4 IN TOP 5"
2. TS 10 X 10 COLUMN
3. 3½" HIP SECTION
4. ¼" CABLE
5. FOOTINGS PER PLAN
6. (8) #6 VERT SPACED EQUALLY
7. #4 TIES @ 16" O.C. EA. WAY TOP AND BOTTOM
8. ¼" CAP PL.
9. TS 8 X 6 CANTILEVER BEAM
10. BASE PLATE PER SECTION B

1. BASE PL. 1" X 20 X 20
2. 8 ~ 1" X 24" LONG ANCHOR BOLTS
3. TS 10 X 10 COLUMN

SECTION B

GENERAL STRUCTURAL NOTES

APPLY UNLESS OTHERWISE NOTED ON DRAWINGS.
IN CASE OF CONFLICT, THE GREATER REQUIREMENT SHALL GOVERN.

CODE:

2006 INTERNATIONAL BUILDING CODE
ASCE 7-05

SOIL PROFILE TYPE:

SOIL PROFILE TYPE (TABLE 1804.2)....CLASS 4

FOUNDATION:

FOOTING SHALL BEAR ON FIRM, UNDISTURBED SOIL AT DEPTH SHOWN ON DETAILS. ALLOWABLE SOIL BEARING 1500 PSF.

REINFORCING:

ASTM STANDARD A-615, GRADE 60 U.N.O. ON PLANS. CRSI AND ACI MANUALS APPLY. CLEAR CONCRETE COVERAGE PER DETAILS.

CONCRETE:

3000 PSI

STRUCTURAL STEEL:

ASTM STANDARD A-36 EXCEPT AS FOLLOWS:
ANCHOR BOLTS GRADE 1554-36 GALVANIZED
BOLTS ~ A325 GALV.
TUBE STEEL ~ ASTM A500 GRADE B
STRANDED CABLE WITH ZINC COATING ~ CLASS A, MINIMUM TENSILE STRENGTH EQUALS 200 KSI

WELDING:

PER AMERICAN WELDING SOCIETY CODES AND RECOMMENDATIONS
ALL WELDING SHALL BE BY CERTIFIED WELDERS
WELDING ELECTRODES SHALL BE E70XX SERIES
ALL WELDS SHALL BE DONE IN SHOP

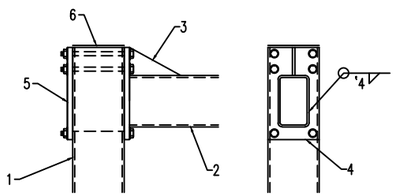
LOADS:

90 MPH WIND EXPOSURE C
WIND: WINDWARD 16 PSF
LEEWARD 12 PSF
DEAD LOAD 3 PSF
LIVE LOAD 5 PSF PER SECTION 1607.11.2.4

EQUIPTMENT/SUPPLIES NEEDED FOR INSTALLATION

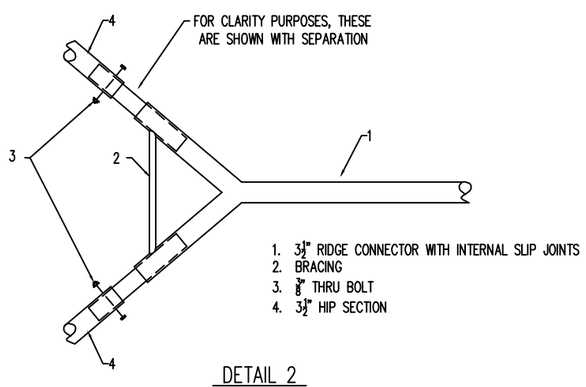
1. EACH FOOTING HOLE WILL REQUIRE 1.83 CU YARDS OF 3000 psi CONCRETE
2. 2 REBAR CAGES 2'-6 DIA. X 7'-6 PER SECTION A
3. FORKLIFT OR CRANE
4. ½" IMPACT WRENCH WITH SOCKETS FOR TIGHTENING BOLTS
5. ½" VARIABLE SPEED DRILL
6. 7/16" DRILL BIT
7. HAMMER
8. ROPE FOR PULLING NETTING OVER STRUCTURE
9. ADJUSTABLE WRENCHES
10. LIFTING STRAPS
11. TOUCHUP PAINT (BY Shade 'n Net)
12. BOLTS (BY Shade 'n Net)
13. CABLE AND CLAMPS (BY Shade 'n Net)
14. COM-A-LONG FOR TENSIONING CABLE

20 X 40 STRUCTURE



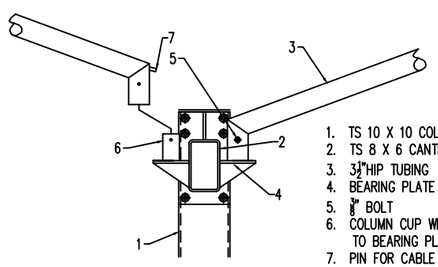
1. TS 10 X 10 COLUMN
2. TS 8 X 6 CANTILEVER BEAM
3. STIFF. PL. WELDED TO BEAM AND CONN. PL.
4. PL. ¾" X 10" X 18" WELDED TO BEAM AND BOLTED TO COLUMN W/ 6 ~ ¾" X 14 LONG A325 GALV. BOLTS AS SHOWN
5. PL. ¾" X 10" X 18" WELDED TO COLUMN
6. CAP PL. ¼ X 10 X 10

DETAIL 1



1. 3½" RIDGE CONNECTOR WITH INTERNAL SLIP JOINTS
2. BRACING
3. ⅜" THRU BOLT
4. 3½" HIP SECTION

DETAIL 2



1. TS 10 X 10 COLUMN
2. TS 8 X 6 CANTILEVER BEAM
3. 3½"HIP TUBING
4. BEARING PLATE
5. ⅜" BOLT
6. COLUMN CUP WELDED TO BEARING PLATE
7. PIN FOR CABLE TENSIONING

SECTION C

CLOUD AND DATE ALL REVISIONS	
DRAWN / DATE	JS 7/17/17
CHECKED/DATE	
APPVL / DATE	
SHOP	
FIELD	
PROJECT	CANTILEVER CABLE TENSION HIP SYSTEM
ADDRESS	
CUSTOMER	U-HAUL
DRAWING TITLE	20 X 40 PLAN
JOB	
SHEET	E1

Shade 'n Net of Arizona ● 5711 W. Washington Street ● Phoenix, AZ 85043 ● P 602-484-7911 ● F 602-484-7919 ● TOLL FREE 800-290-3387 ● Website: www.shade-n-net.com