

DESIGN CRITERIA

Designed to conform to IBC 2015
 Exposure: C
 Wind speed: 115MPH

STEEL

Structural steel shall conform to ASTM A-36
 Machine bolts shall conform to ASTM A-307
 Pipe columns shall conform to ASTM A-53 Grade B

WELDING

Welding shall be done by AWS D1.1 Structural certified welders.

REINFORCEMENT

Rebar shall conform to ASTM A 615 Grade 60
 Clearance from soil shall be a minimum of 3"

SOIL CAPACITY

Allowable bearing pressure 1000psf
 Allowable lateral bearing pressure 100psf

FOOTINGS

Square footing can be substituted for round with a min. width equal to diameter measurement.
 Concrete F'c = 2500 psi (Min.)
 Course aggregate - 3/4" (Max.)
 Slump 4.0" +/- 1"
 W/C ratio = .45 (Max.)

FABRIC

HDPE Stentered to reduce shrinkage.
 Nominal farbric mass 9.38 to 10.32 oz. sq. yard.

CLEARANCE FROM OTHER STRUCTURES

Canopies shall be at least 6" away from any other structure which may be damaged due to deflection.

General Notes

GREYHAWK ELEMENTARY

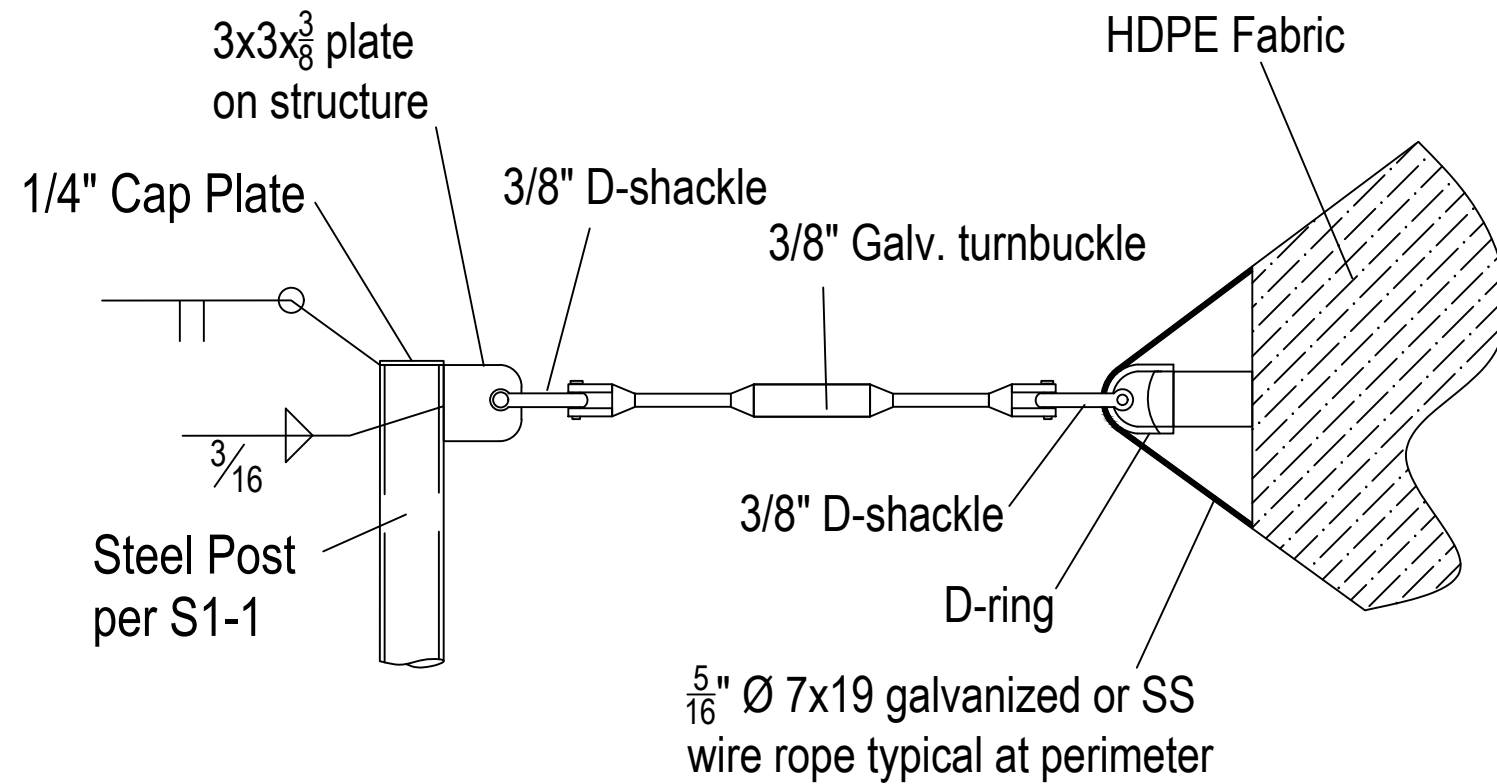
No.	Revision/Issue	Date

Firm Name and Address
 CUSTOM STRUCTURES

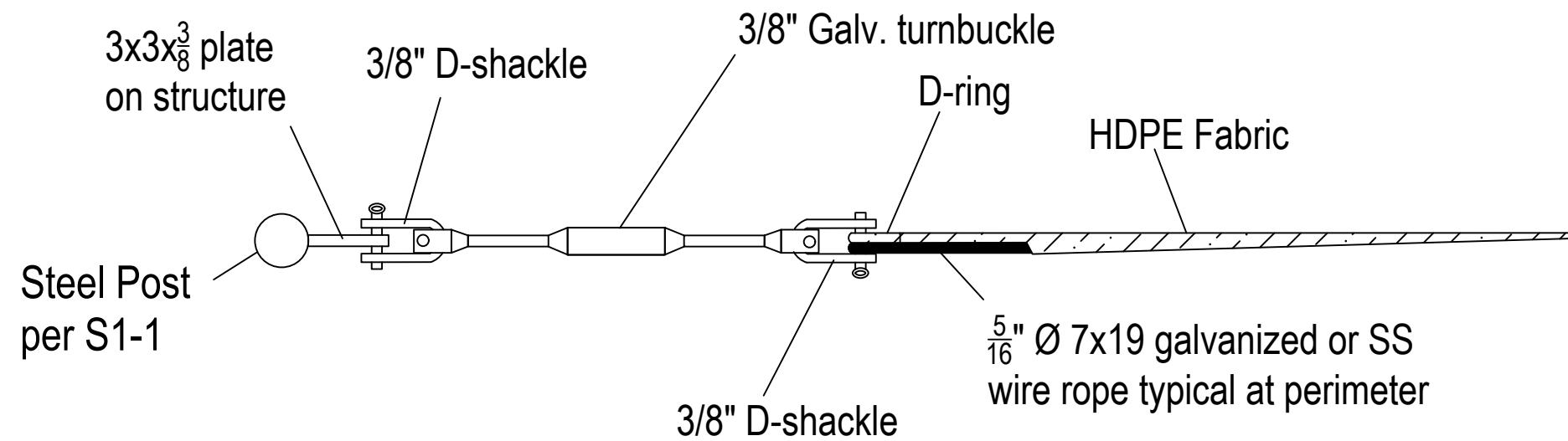
Project Name and Address

Project	Sheet
Date	
Scale	

Shade sail with D-ring corner connection



TOP VIEW



SIDE VIEW

Detail A

Note:
Cable to overlap by min. of 2'
in one corner tensioned
with min. of 2 cable clips

General Notes

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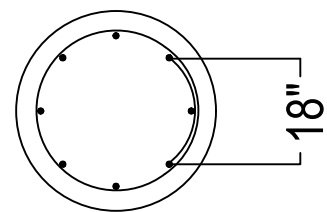
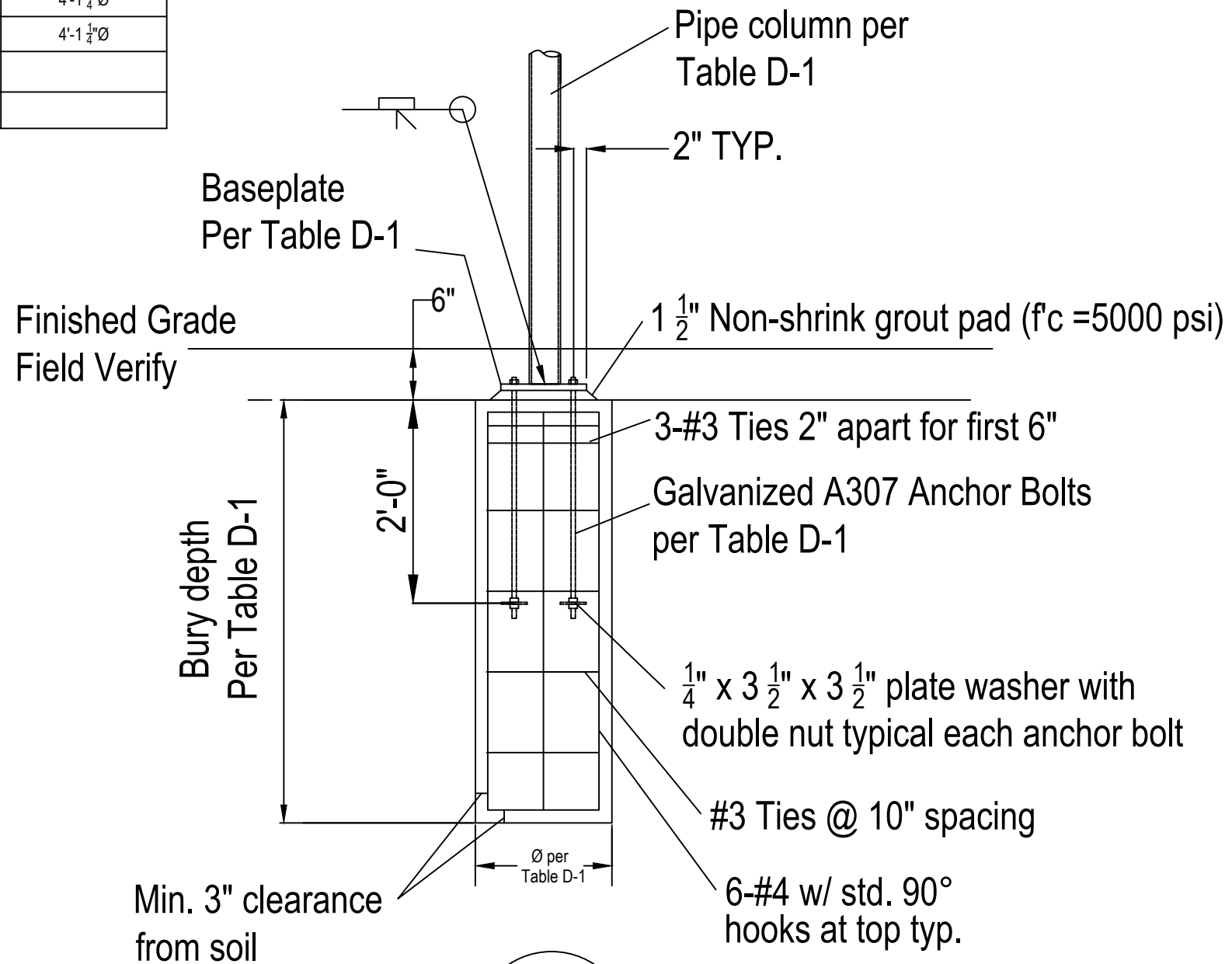
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Project	TBD	Sheet	S1-2
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Table D-1

Post Mark	Column Size	Ftg Ø	Bury Depth	Base Plate	Anchor Bolts
1	8" STD. PIPE SCHD 40	30"Ø	6'-0"	16" X 16" X 1"	4'-1 1/4"Ø
2	8" STD. PIPE SCHD 40	30"Ø	7'-6"	16" X 16" X 1"	4'-1 1/4"Ø
3	8" STD. PIPE SCHD 40	30"Ø	6'-0"	16 X 16 X 1"	4'-1 1/4"Ø
4	8" STD. PIPE SCHD 40	30"Ø	7'-6"	16 X 16 X 1'	4'-1 1/4"Ø
5	8" STD. PIPE SCHD 40	30"Ø	7'-6"	16 X 16 X 1'	4'-1 1/4"Ø



Detail B
Foundation Footing

General Notes

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CUSTOM STRUCTURES

Project Name and Address

Project	TBD	Sheet
Date		S1-3
Scale	NTS	