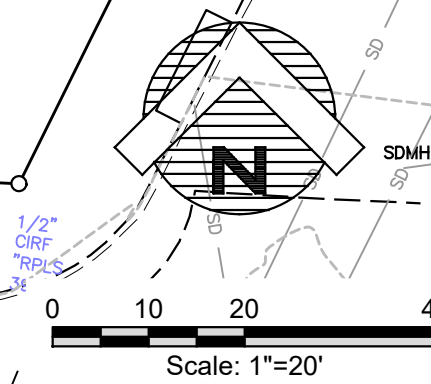


COLGATE AVENUE

(50' PUBLIC RIGHT-OF-WAY)



ELEMENTARY SCHOOL
AREA A - 2 - STORY
PEAK HEIGHT 36'-9"
FF 575.50
FULLY SPRINKLED BUILDING

20'X20'
UMBRELLA
CANOPY

16'X16'
UMBRELLA
CANOPY

2- 30'X15'
CANTILEVER
CANOPY

HIGHLAND PARK
INDEPENDENT SCHOOL DISTRICT
VOL. 2315, PG. 125,
D.R.D.C.T.

BLOCK 39
UNIVERSITY HEIGHTS NO. 4
VOL. 5, PG. 133
M.R.D.C.T.

243,198 SQ. FEET
/ 5.58 ACRES

18'X10'
CANTILEVER
CANOPY

PARKING GARAGE
/ ACTIVITY

AREA C - 2 - STORY
PEAK HEIGHT 34'-0"
FF 575.50 1ST FLOOR
FF 562.50 GARAGE
FULLY SPRINKLED BUILDING

ARY - ADMIN.
A B - 2 - STORY
PEAK HEIGHT 28'-6"
FF 575.50
SPRINKLED BUILDING

28 LF OF 8" TRENCH DRAIN
W/ ADA COMPLIANT GRATE

50 LF OF 8" FRENCH DRAIN
LINE ON 0.50% GRADE

50 LF OF 8" FRENCH DRAIN
LINE ON 0.50% GRADE

FLAG
POLE

BENCH

CARUTH BOULEVARD

TULANE BOULEVARD
(60' PUBLIC RIGHT-OF-WAY)

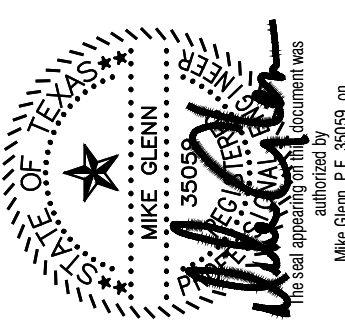
BLOCK 40
UNIVERSITY HEIGHTS
NO. 4
VOL. 5, PG. 133
M.R.D.C.T.

30" RCP



GLENN
ENGINEERING

TEXAS REGISTRATION NUMBER: F-303
PHONE 972-717-5151
4550 FULLER DRIVE, SUITE 220
IRVING, TEXAS 75038



SITE PLAN - CANOPY

HIGHLAND PARK ISD
HYER ELEMENTARY
CANOPY PROJECT
CITY OF UNIVERSITY PARK, TEXAS



HIGHLAND PARK ISD - ADMIN
OFFICE
7015 WESTCHESTER DRIVE
DALLAS, TEXAS 75205
ATTN: SCOTT RILLETTE
TITLE: EXECUTIVE DIRECTOR OF
CONSTRUCTION SERVICES
PROJECT ADDRESS:
HYER ELEMENTARY SCHOOL
3920 CARUTH BLVD
DALLAS, TEXAS 75225

Revisions:	
1	

Issue Dates:
Proposal:
Permit:

Scale: As Shown
Drawn By: R.A.H.
Checked By: C.M.G.
Contract No. 000-000

Sheet
C03.00



Quality Assurance & Compliance Testing
Lifting Service & Related Technologies
19 Almet 30th Street, 10th Floor
New York, NY 10019
Tel: 212 947 8891 Fax: 212 947 8719
www.vartest.com

Third Party Test Report

DATE: March 7, 2025 FILE: ALNETA.A0211258-R1
CLIENT: Alnet Americas 417 Central Park Dr. Sanford, FL 32771
ATTN: James P. Lane

SAMPLE IDENTIFIED BY CLIENT AS:

Fabric Submitted
Manufacturer: ALNET SOUTH AFRICA
Style: 311105; Season: MFR - 1/19/2024
LOT: PANEL #10, COLOR 4120, MOUNTING #41
Ref: ALNET EXTRA BLOCK, 1 YARD X 1 YARD
Color: Mint Green

TEST PROCEDURES:

TEST RESULTS:

FIRE RESISTANCE NFPA 701 2023 - TEST 2 (FLAT)

	Char Length (in)	After Flame (sec)	Drip Burn (sec)
Specimen 1	6.0	0.0	0.0
Specimen 2	4.0	0.0	0.0
Specimen 3	5.0	0.0	0.0
Specimen 4	5.0	0.0	0.0
Average	5.0	0.0	0.0

RESULTS: PASS

NOTE: After flame shall not exceed 2 seconds.

When the char length of any individual folded specimen exceeds 1050 mm (41.3 in), the material shall be recorded as having failed the test.

When at any time during or after the application of the test flame, any portions of residues of the material being tested break or drip from the specimen and fall to the floor of the test apparatus and continue burning more than 2 seconds after reaching the floor of the test apparatus, the material shall be recorded as having failed the test.

Signed For The Company By

Joseph Lin
Laboratory Manager



Ashik Faisal
Technical Director

ME/02

The findings and results in this test report apply only to the specific sample(s) submitted to us by the client for testing.
Values otherwise identified, all certificate statements are sample acceptance. Terms and Conditions:
http://vartest.com/resources/terms-and-conditions

DESIGN CRITERIA

2021 INTERNATIONAL BUILDING CODE

RISK CATEGORY: II

DEAD LOAD:

FABRIC: 0.10 PSF

SNOW LOAD:

GROUND SNOW LOAD: 5 PSF

ROOF SNOW LOAD: 5 PSF

SNOW EXPOSURE FACTOR: 1.0

SNOW LOAD IMPORTANCE FACTOR: 1.0

THERMAL FACTOR: 1.2

LIVE LOAD:

ROOF LIVE LOAD: 5 PSF

WIND LOAD:

ULTIMATE DESIGN WIND SPEED: 105 MPH

WIND IMPORTANCE FACTOR: 1.0

WIND EXPOSURE CATEGORY: C

WIND ENCLOSURE TYPE: OPEN

GUST EFFECT FACTOR: 0.85

SEISMIC DESIGN:

SEISMIC LOAD DOES NOT CONTROL THE DESIGN BASED ON THE ASSUMPTION THAT THE FABRIC HAS NEGLIGIBLE MASS

OWNER NOTES

- FABRIC MEMBRANE(S) MUST BE REMOVED IF LIVE LOAD/ROOF SNOW LOAD IS EXPECTED TO EXCEED 0 PSF AND/OR THE WIND SPEED IS EXPECTED TO EXCEED A NOMINAL DESIGN WIND SPEED OF 90 MPH OR 74 MPH SUSTAINED WIND LOAD TO PREVENT DAMAGE.
- THE OWNER ACCEPTS FULL RESPONSIBILITY OF REMOVING THE FABRIC FROM THE STEEL FRAME WHEN ANY OR ALL OF THESE CONDITIONS MAY OCCUR.
- THE STEEL STRUCTURE WITH THE FABRIC REMOVED, WAS DESIGNED TO WITHSTAND DEAD LOADS, ROOF LIVE LOADS, SNOW LOADS AND WIND SPEEDS AS SPECIFIED ABOVE PER THE LOCAL CODE REQUIREMENTS. IF THE ABOVE LOADS ARE EXCEEDED OR ADDITIONAL LOADS ARE INDUCED STRUCTURAL FAILURE MAY OCCUR. THE OWNER IS RESPONSIBLE FOR AND ACCEPTS FULL LIABILITY FOR ANY ISSUES CAUSED BY EXCEEDING THE DESIGN CRITERIA LOADS.

GENERAL NOTES

- FABRIC MEETS NFPA 701-2023
- ALL EXPOSED STEEL TO BE POWDER COATED.

FOUNDATION DESIGN

MINIMUM CONCRETE COMPRESSIVE STRENGTH AFTER 28 DAYS: 3,000 PSI (SPECIAL INSPECTION REQUIRED)

STEEL REINFORCEMENT: ASTM-A615, GRADE 60

ASSUMED VERTICAL FOUNDATION PRESSURE: 1,500 PSF

ASSUMED LATERAL BEARING PRESSURE: 100 PSF/F

THE VERTICAL AND LATERAL BEARING PRESSURE VALUES WERE CONSIDERED PER CONDITIONS OF CURRENT BUILDING CODE.

FOUNDATION NOTES:

- THE FOUNDATION DESIGN IS BASED ON TABLE 1806.2 OF THE INTERNATIONAL BUILDING CODE, CLASS 5 SOIL MATERIAL. IF DIFFERENT SOIL CONDITIONS ARE ENCOUNTERED, IT IS RECOMMENDED THAT A SITE SPECIFIC GEOTECHNICAL REPORT IS CONDUCTED TO DETERMINE THE LOAD BEARING VALUES OF THE SOIL. OWNER / CONTRACTOR ASSUME FULL LIABILITY IF NO GEOTECHNICAL INVESTIGATIONS ARE CONDUCTED.
- IF THE FOOTING DEPTH DOES NOT MEET LOCAL FROST REQUIREMENTS, FOOTINGS SHALL BE RE-DESIGNED UNDER THE DIRECTION OF AN ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCAL FROST DEPTH.

MATERIALS

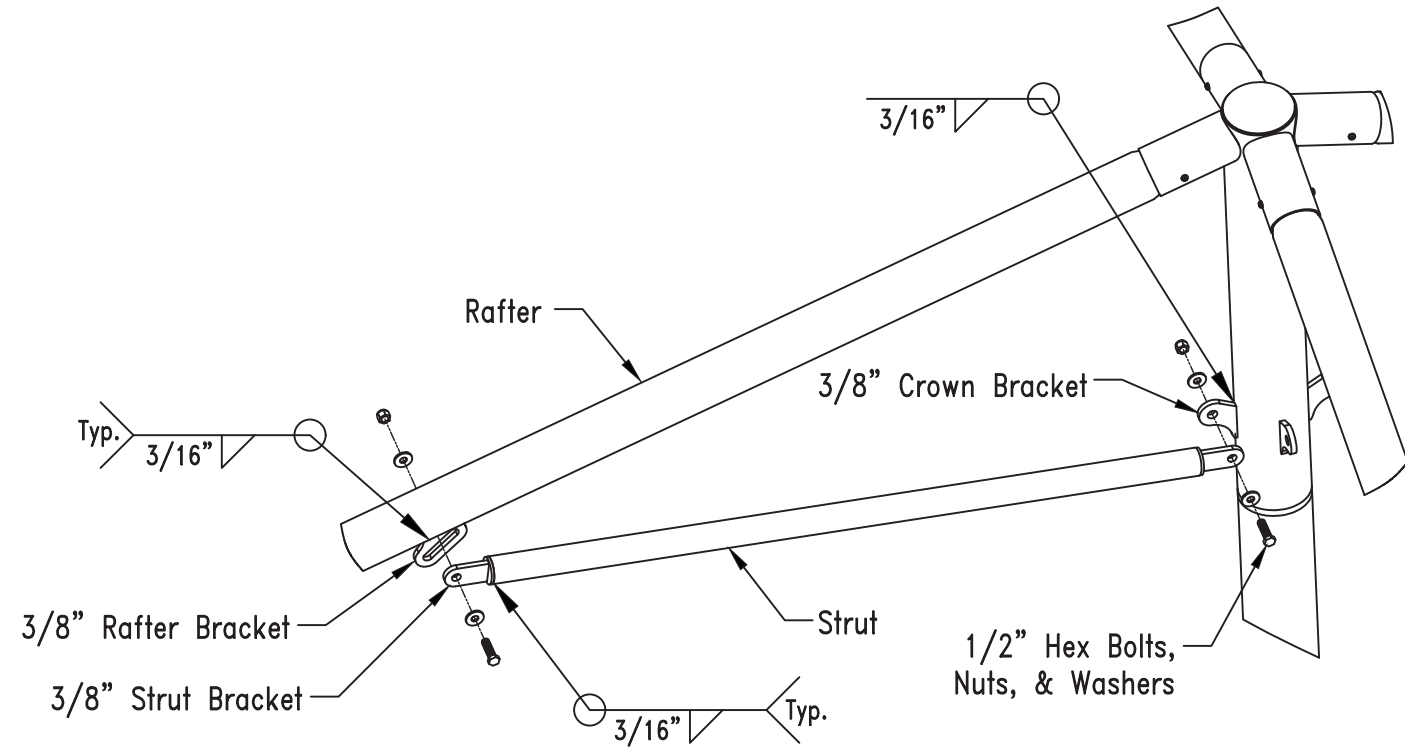
- ALL MATERIALS LISTED BELOW MAY NOT BE SPECIFIC TO THIS PROJECT.

MEMBER TYPE	ASTM	MIN. YIELD STRENGTH
W SHAPES	A992	50 KSI
RECTANGULAR HSS TUBES	A500(GRADE B)	46 KSI
SQUARE HSS TUBES	A500(GRADE B)	46 KSI
ROUND HSS TUBES	A500(GRADE B)	42 KSI
SCHEDULE PIPE	A500(GRADE B&C)	50 KSI
ROUND MECHANICAL TUBING	A519	45 KSI
MISCELLANEOUS PLATES/SHAPES	A36	36 KSI
CONNECTION BOLTS	SAE J429(GRADE 5)	92 KSI
HEADED ANCHOR BOLTS	F1554	36 KSI
HOKED ANCHOR BOLTS	A307	36 KSI

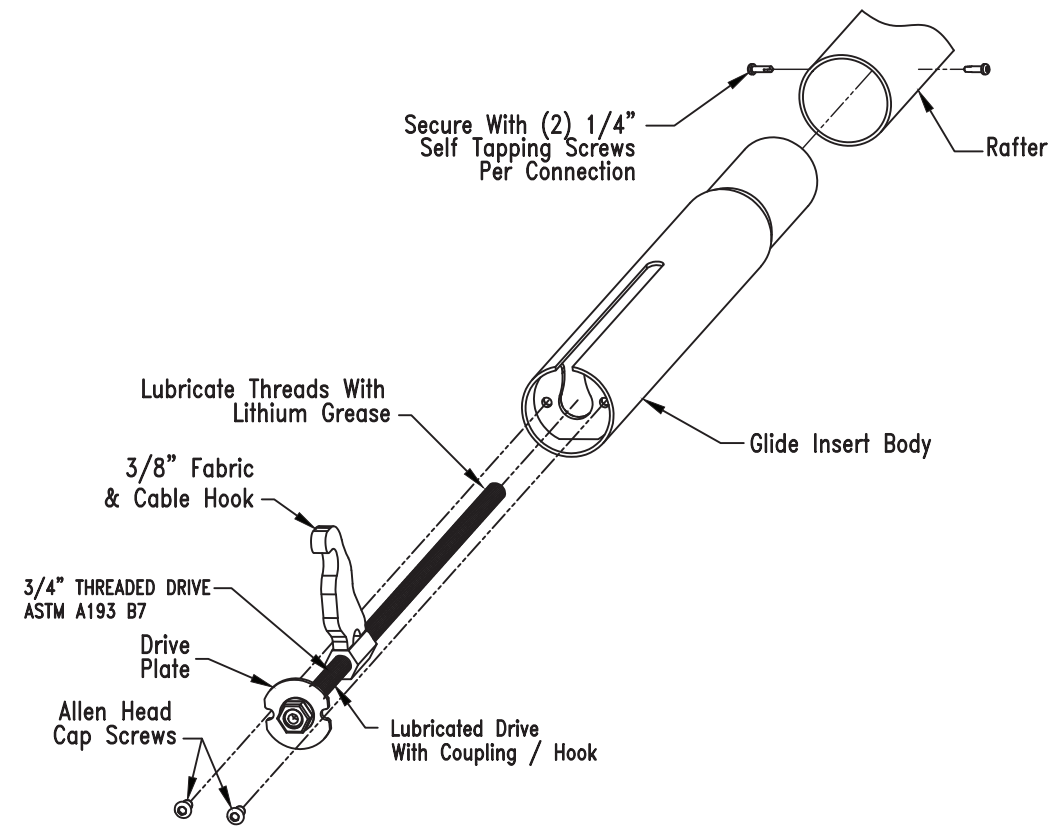
3/16" GALVANIZED AIRCRAFT CABLE SHALL HAVE A NOMINAL STRENGTH OF 4,200 LBS.
1/4" GALVANIZED AIRCRAFT CABLE SHALL HAVE A NOMINAL STRENGTH OF 7,000 LBS.
5/16" GALVANIZED AIRCRAFT CABLE SHALL HAVE A NOMINAL STRENGTH OF 9,800 LBS.

TABLE 1

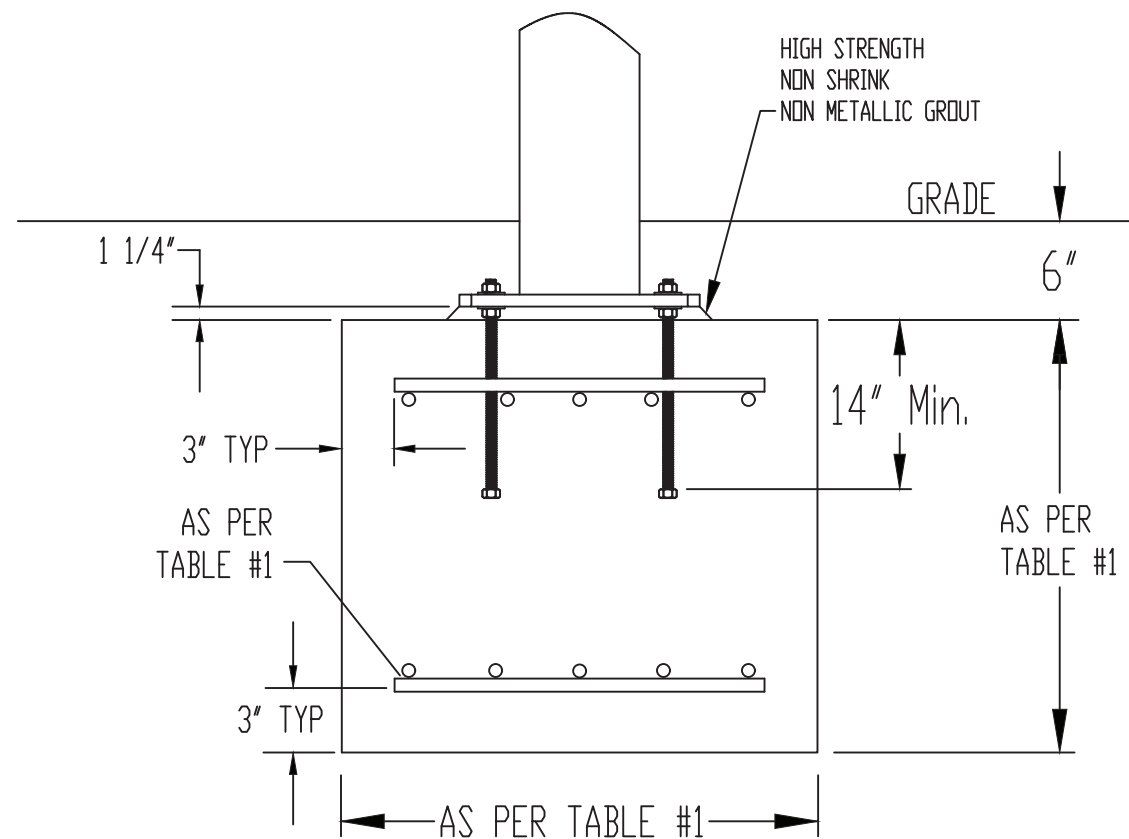
STRUCTURE	EAVE HEIGHT	COLUMN & CROWN SIZE	RAFTER TUBE SIZE	STRUT TUBE SIZE	SPREAD FOOTING SIZE	SPREAD FOOTING REINF.
16' x 16' Square Umbrella	9'-0" Above Grade	5.0" OD 7-Gauge	3.5" OD 11-Gauge	1.9" OD 11-Gauge	4.25' x 3.0' Deep	(5)#5 EW Top & Bot.



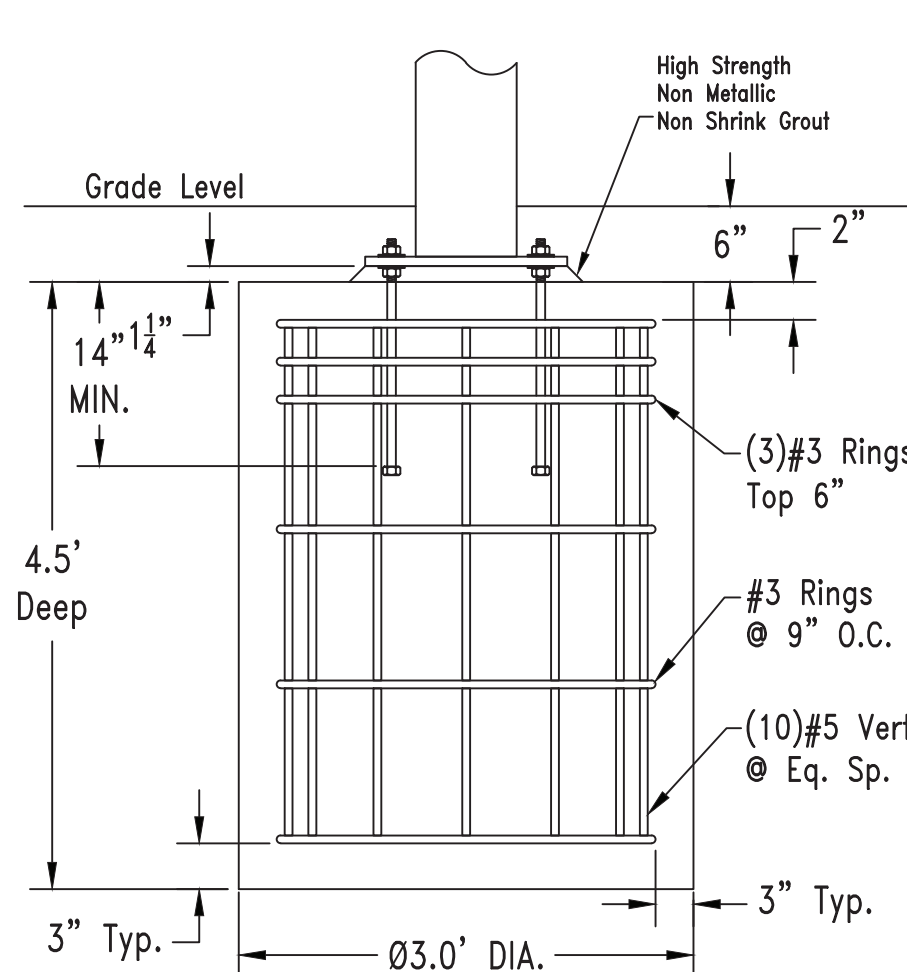
4 STRUT CONNECTION



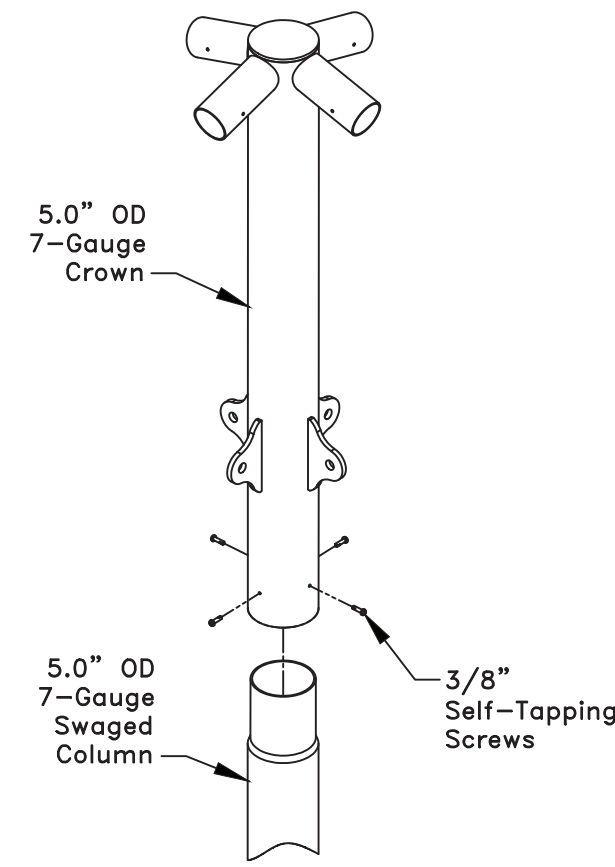
5 GLIDE INSERT MECHANISM



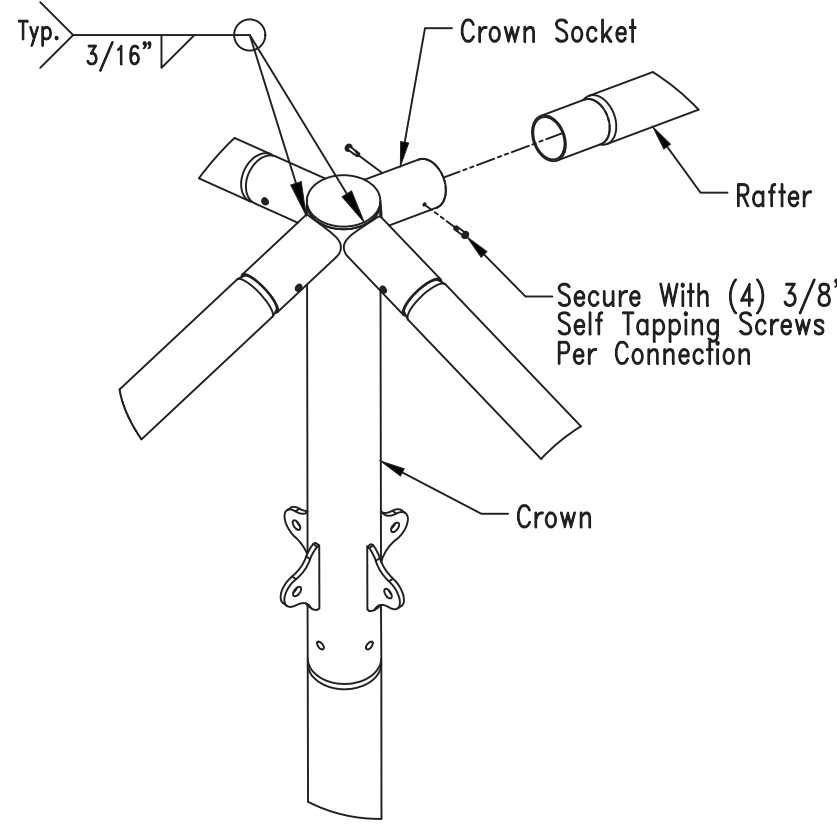
8 SPREAD FOOTING DETAIL
1 OPTION A



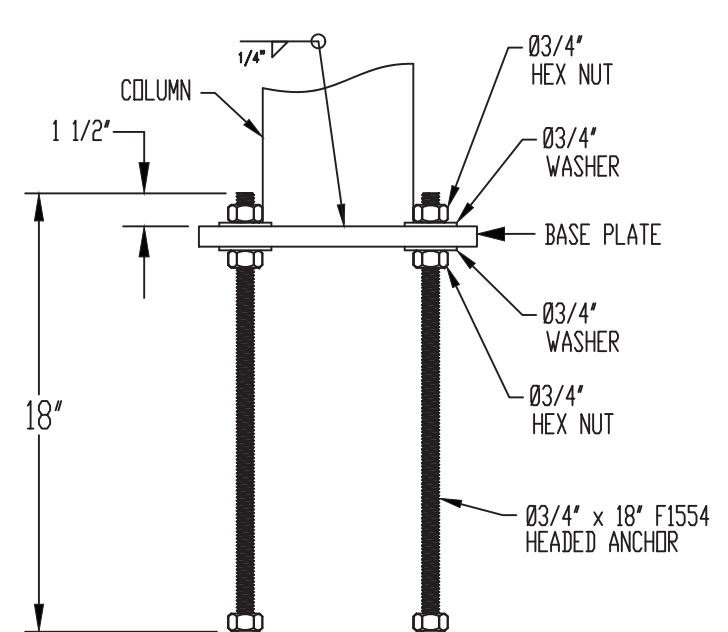
9 PIER FOOTING DETAIL
1 OPTION B



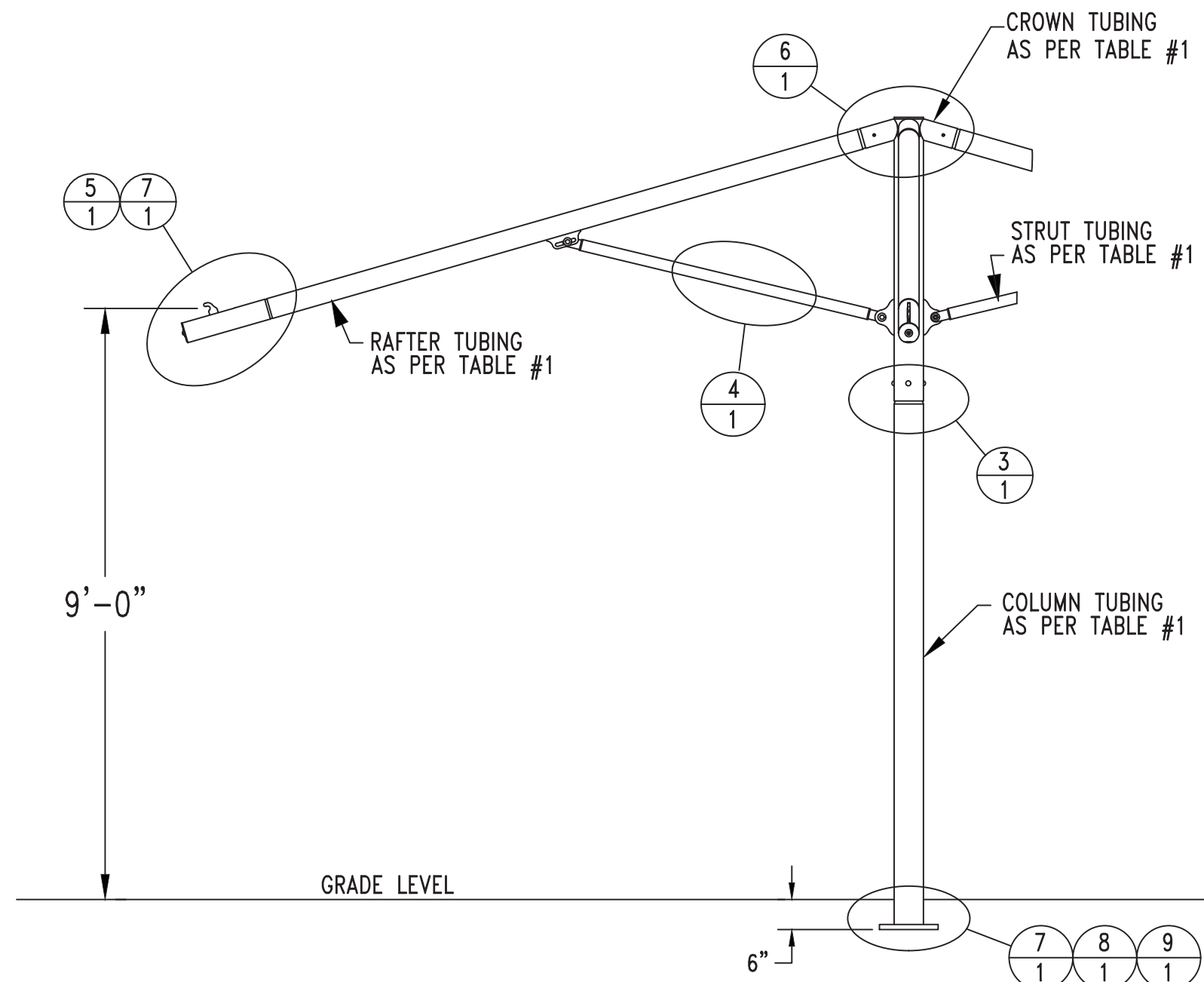
3 CROWN CONNECTION



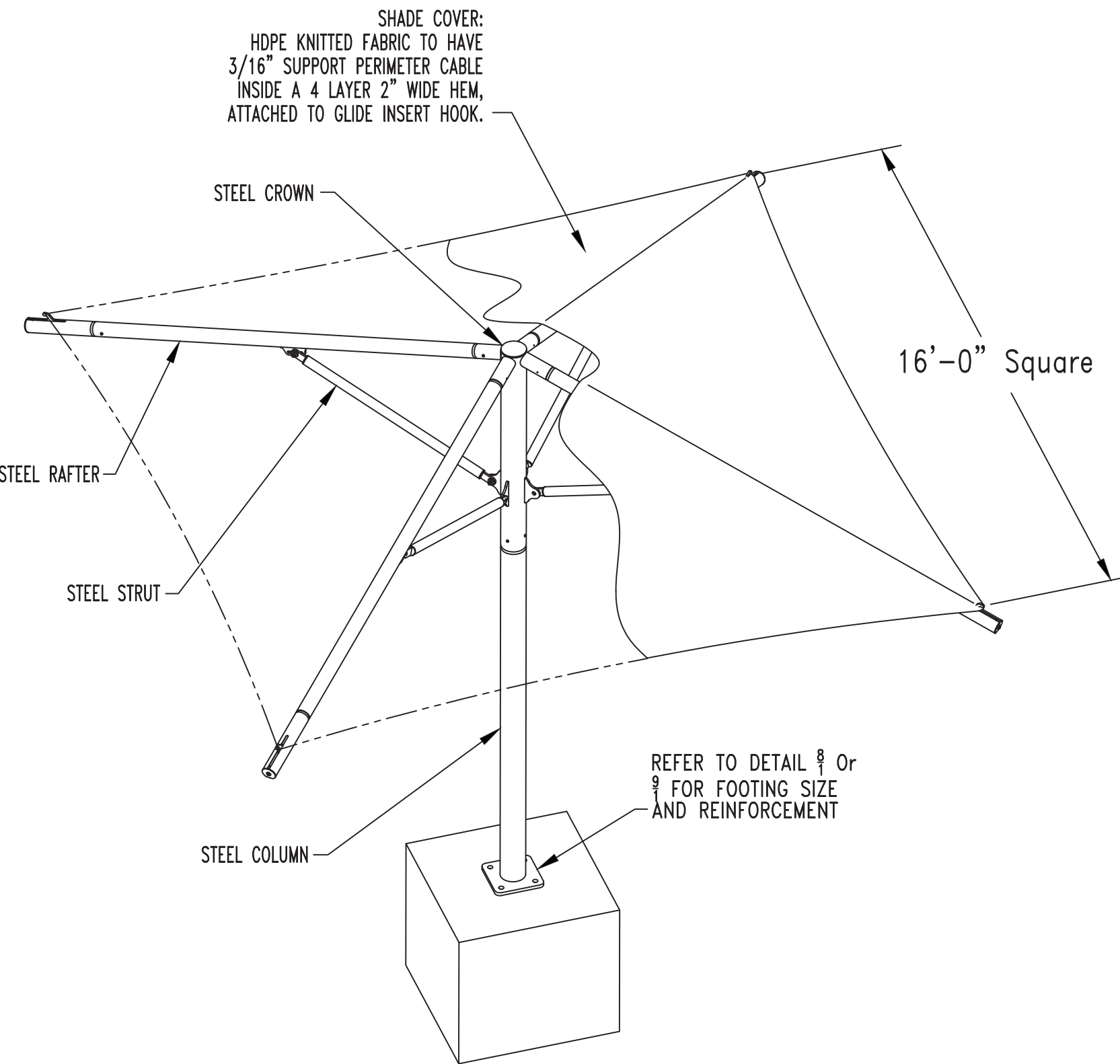
6 RAFTER CONNECTION



7 ANCHOR & BASE DETAILS



2 FRAME ELEVATION



1 SQUARE UMBRELLA
1 16' x 16' x 9'

SEAL:



SUPERIOR
RECREATIONAL PRODUCTS
Shade

SUPERIOR SHADE
150 Adamson Industrial Blvd.
Carrollton, GA 30117

STATE OF TEXAS

HYER ELEMENTARY

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Dallas, TX, 75225

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Revisions:

Date:	By:

Drawn: MRI
Date: 3/23/26
Chkd:
Date:

S00303774D

1

Sheet No.



Quality Assurance & Compliance Testing
Utilizing Textile & Related Technologies
18 River, 20th Street, 10th Floor
New York, NY 10013
Tel: 212 947 8801 Fax: 212 947 8715
www.vartest.com

Third Party Test Report

DATE: March 7, 2025 FILE: ALMSTA.A0211238-PL

CLIENT: Almer American 417 Central Park Dr. Sanford, FL 32773

ATTN: James F. Lane

SAMPLE IDENTIFIED BY CLIENT AS:

Fabric Submitted
Manufacturer: KIMET SOUTH AFRICA
Style: 311155 Season: M/S - 1/19/2024
LOT: FABRIC 4.1V, COLOR 11.1V, PACK 100.44
Ref: ALMST KPMMA BLOCK - YARD X 3 YARD
Color: Dark Green

TEST PROCEDURES:

TEST RESULTS:

FIRE RESISTANCE NFPA 701 2023 - TEST 2 (FLAT)

	Char Length (in)	After Flame (sec)	Drop Burn (sec)
Specimen 1	6.0	0.0	0.0
Specimen 2	6.0	0.0	0.0
Specimen 3	5.0	0.0	0.0
Specimen 4	5.0	0.0	0.0
Average	5.0	0.0	0.0

RESULTS: PASS

NOTE: After flame shall not exceed 2 seconds.

When the char length of any individual folded specimen exceeds 1002 mm (40.3 in.), the material shall be recorded as having failed the test.

When at any time during or after the application of the test flame, any portion of specimen of the material being tested breaks or drops from the specimen and fails to the floor or the test apparatus and continues burning more than 2 seconds after reaching the floor of the test apparatus, the material shall be recorded as having failed the test.

Signed For The Company By

Signature
Laboratory Manager



Signature
Technical Director

HE/02

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DESIGN CRITERIA

2015 INTERNATIONAL BUILDING CODE

RISK CATEGORY: I

DEAD LOAD:

FABRIC: 0.10 PSF

SNOW LOAD:

GROUND SNOW LOAD: 5 PSF

ROOF SNOW LOAD: 5 PSF

SNOW EXPOSURE FACTOR: 1.0

SNOW LOAD IMPORTANCE FACTOR: 1.0

THERMAL FACTOR: 1.2

LIVE LOAD:

ROOF LIVE LOAD: 5 PSF

WIND LOAD:

ULTIMATE DESIGN WIND SPEED: 105 MPH

WIND IMPORTANCE FACTOR: 1.0

WIND EXPOSURE CATEGORY: C

WIND ENCLOSURE TYPE: OPEN

GUST EFFECT FACTOR: 0.85

SEISMIC DESIGN:

SEISMIC LOAD DOES NOT CONTROL THE DESIGN BASED ON THE ASSUMPTION THAT THE FABRIC HAS NEGLIGIBLE MASS

OWNER NOTES

- FABRIC MEMBRANE(S) MUST BE REMOVED IF LIVE LOAD/ROOF SNOW LOAD IS EXPECTED TO EXCEED 5 PSF AND/OR THE WIND SPEED IS EXPECTED TO EXCEED A NOMINAL DESIGN WIND SPEED OF 90 MPH OR 76 MPH SUSTAINED WIND LOAD TO PREVENT DAMAGE.
- THE OWNER ACCEPTS FULL RESPONSIBILITY OF REMOVING THE FABRIC FROM THE STEEL FRAME WHEN ANY OR ALL OF THESE CONDITIONS MAY OCCUR.
- THE STEEL STRUCTURE WITH THE FABRIC REMOVED, WAS DESIGNED TO WITHSTAND DEAD LOADS, ROOF LIVE LOADS, SNOW LOADS AND WIND SPEEDS AS SPECIFIED ABOVE PER THE LOCAL CODE REQUIREMENTS. IF THE ABOVE LOADS ARE EXCEEDED OR ADDITIONAL LOADS ARE INDUCED STRUCTURAL FAILURE MAY OCCUR. THE OWNER IS RESPONSIBLE FOR AND ACCEPTS FULL LIABILITY FOR ANY ISSUES CAUSED BY EXCEEDING THE DESIGN CRITERIA LOADS.

GENERAL NOTES

- FABRIC MEETS NFPA 701-10.
- ALL EXPOSED STEEL TO BE POWDER COATED.

FOUNDATION DESIGN

MINIMUM CONCRETE COMPRESSIVE STRENGTH AFTER 28 DAYS: 3,000 PSI (SPECIAL INSPECTION REQUIRED)
STEEL REINFORCEMENT: ASTM-A615, GRADE 60
ASSUMED VERTICAL FOUNDATION PRESSURE: 1,500 PSF
ASSUMED LATERAL BEARING PRESSURE: 100 PSF/F
THE VERTICAL AND LATERAL BEARING PRESSURE VALUES WERE CONSIDERED PER CONDITIONS OF CURRENT BUILDING CODE.

FOUNDATION NOTES:

- THE FOUNDATION DESIGN IS BASED ON TABLE 1806.2 OF THE INTERNATIONAL BUILDING CODE, CLASS 5 SOIL MATERIAL. IF DIFFERENT SOIL CONDITIONS ARE ENCOUNTERED, IT IS RECOMMENDED THAT A SITE SPECIFIC GEOTECHNICAL REPORT IS CONDUCTED TO DETERMINE THE LOAD BEARING VALUES OF THE SOIL. OWNER / CONTRACTOR ASSUME FULL LIABILITY IF NO GEOTECHNICAL INVESTIGATIONS ARE CONDUCTED.
- IF THE FOOTING DEPTH DOES NOT MEET LOCAL FROST REQUIREMENTS, FOOTINGS SHALL BE RE-DESIGNED UNDER THE DIRECTION OF AN ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCAL FROST DEPTH.

MATERIALS

- ALL MATERIALS LISTED BELOW MAY NOT BE SPECIFIC TO THIS PROJECT.

MEMBER TYPE ASTM MIN. YIELD STRENGTH

W SHAPES A992 50 KSI

RECTANGULAR HSS TUBES A500(GRADE B) 46 KSI

SQUARE HSS TUBES A500(GRADE B) 46 KSI

ROUND HSS TUBES A500(GRADE B) 42 KSI

SCHEDULE PIPE A500(GRADE B&C) 50 KSI

ROUND MECHANICAL TUBING A519 45 KSI

MISCELLANEOUS PLATES/SHAPES A36 36 KSI

CONNECTION BOLTS SAE J429(GRADE 5) 92 KSI

HEADED ANCHOR BOLTS F1554 36 KSI

HOKED ANCHOR BOLTS A307 36 KSI

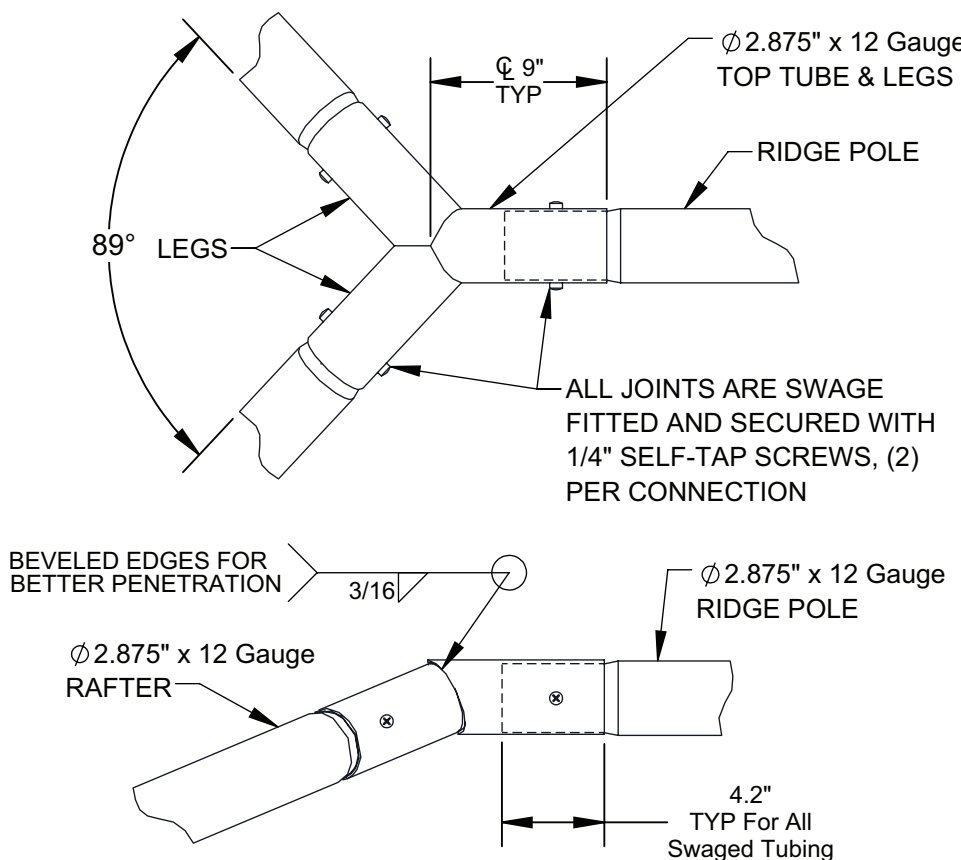
3/16" GALVANIZED AIRCRAFT CABLE SHALL HAVE A NOMINAL STRENGTH OF 4,200 LBS.

1/4" GALVANIZED AIRCRAFT CABLE SHALL HAVE A NOMINAL STRENGTH OF 7,000 LBS.

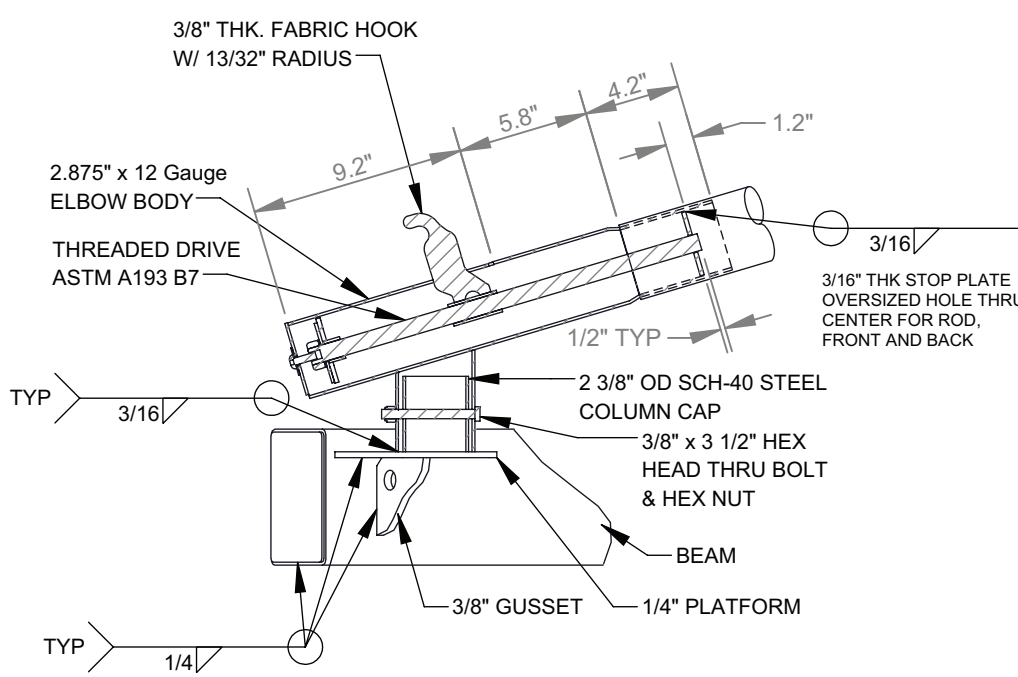
5/16" GALVANIZED AIRCRAFT CABLE SHALL HAVE A NOMINAL STRENGTH OF 9,800 LBS.

TABLE 1

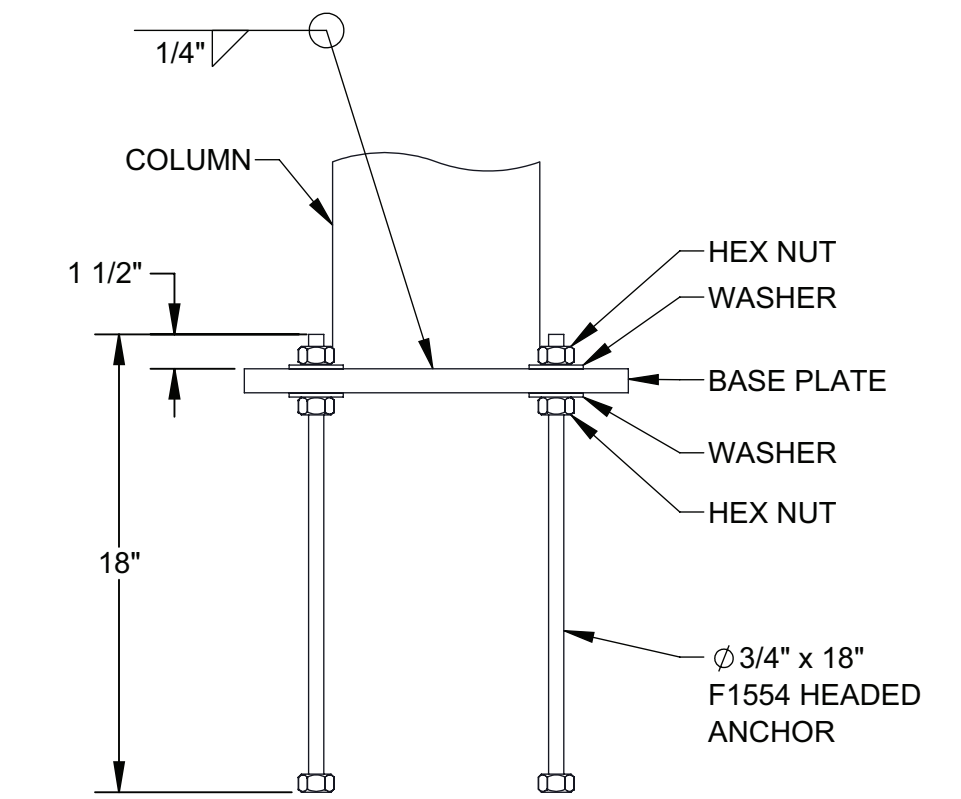
STRUCTURE	ENTRY HEIGHT	COLUMN SIZE	FRAME TUBE SIZE	SPREAD FOOTING SIZE	SPREAD FOOTING REINF.	BEAM SIZE
18' x 10' Hanging Cantilever	9' - 0" Above Grade	5" x 5" 1/4" Wall	2.875" OD 12 Gauge	3.0' L x 3.0' W x 3.00' Deep	(4) # 5 EW Top & Bottom	4" x 6" 3/16" Wall



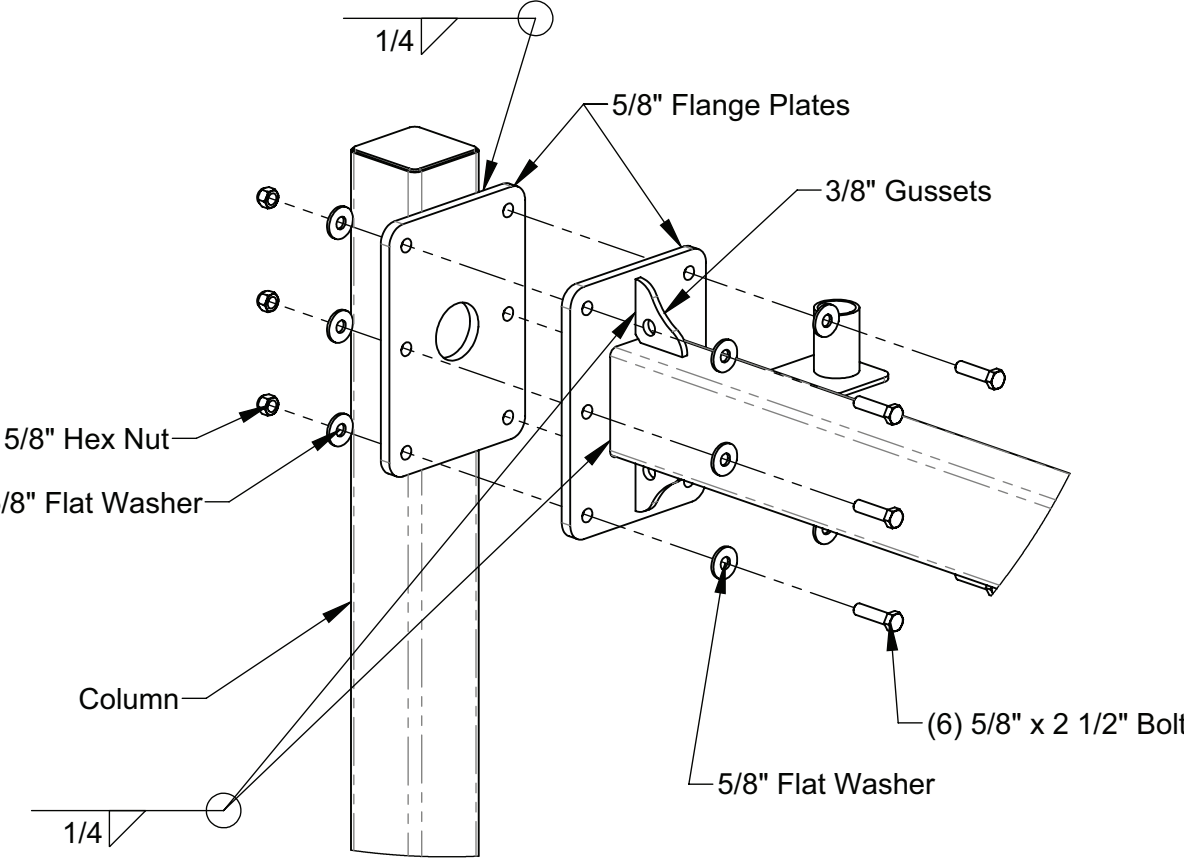
4 "Y" JOINER CONNECTION



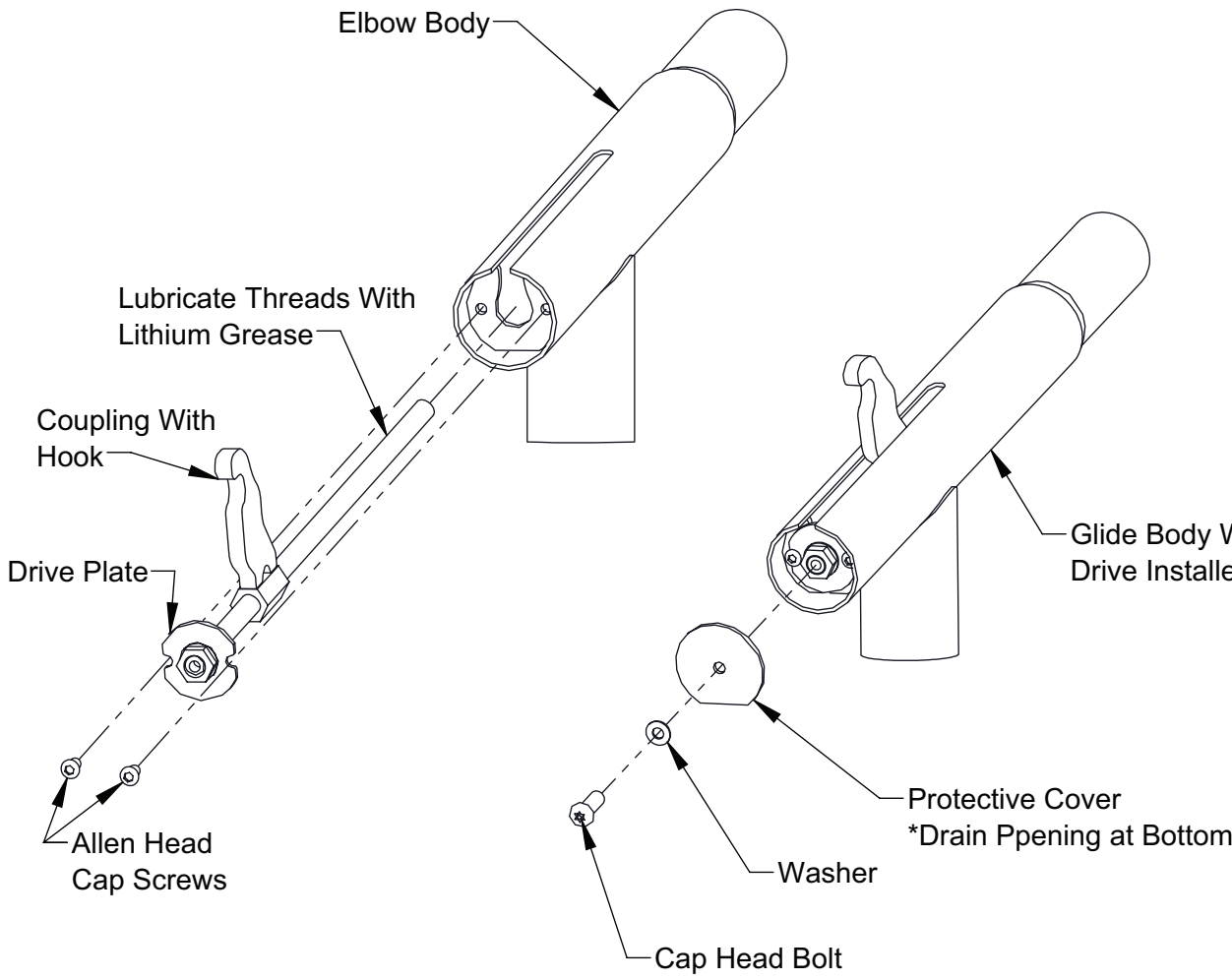
5 ELBOW CONNECTION



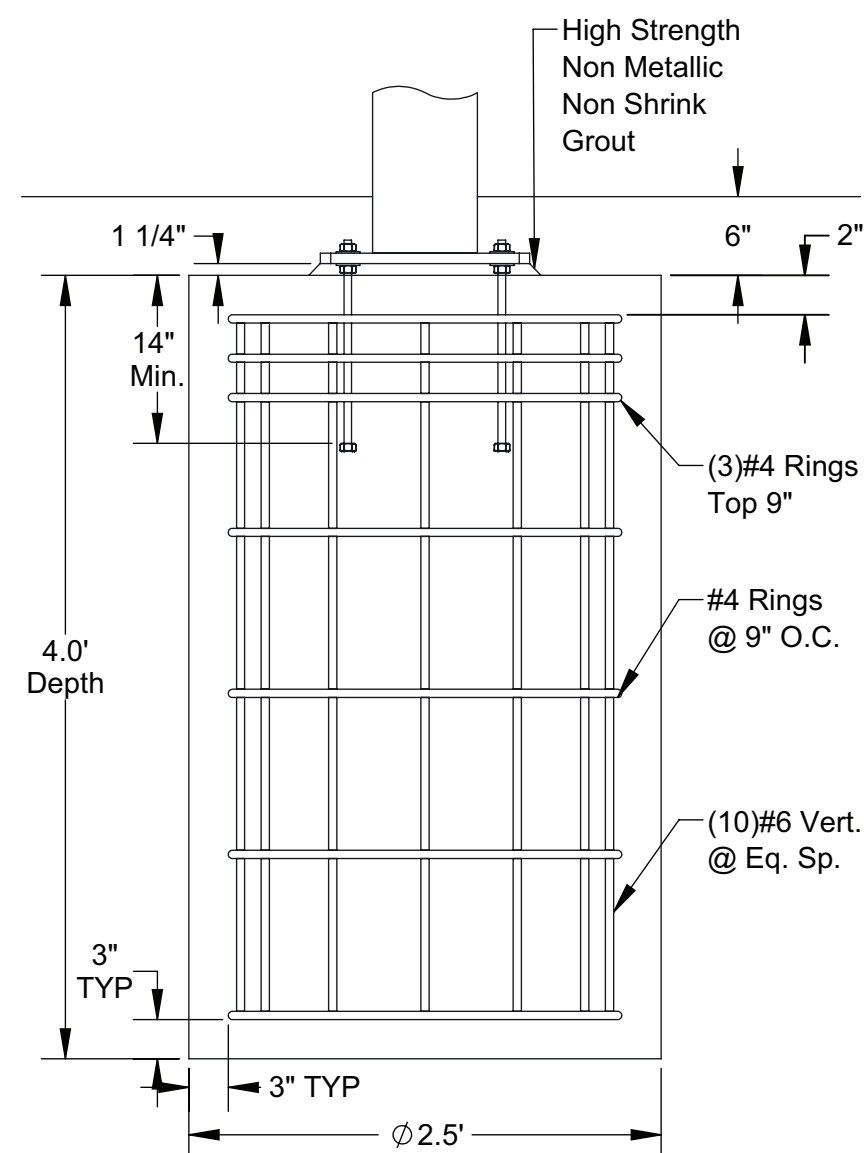
7 ANCHOR & BASE DETAIL



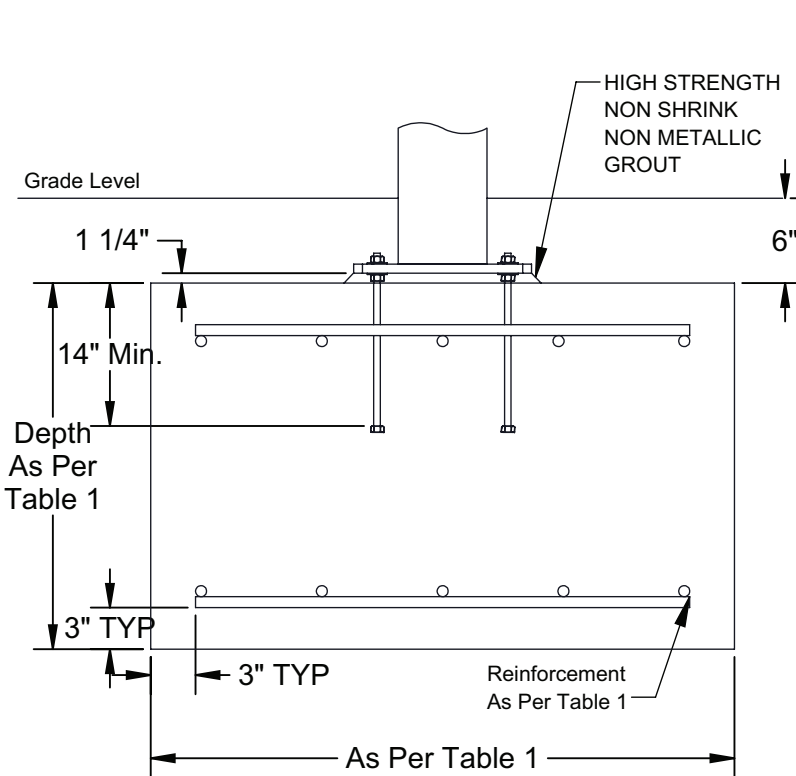
3 BEAM CONNECTION



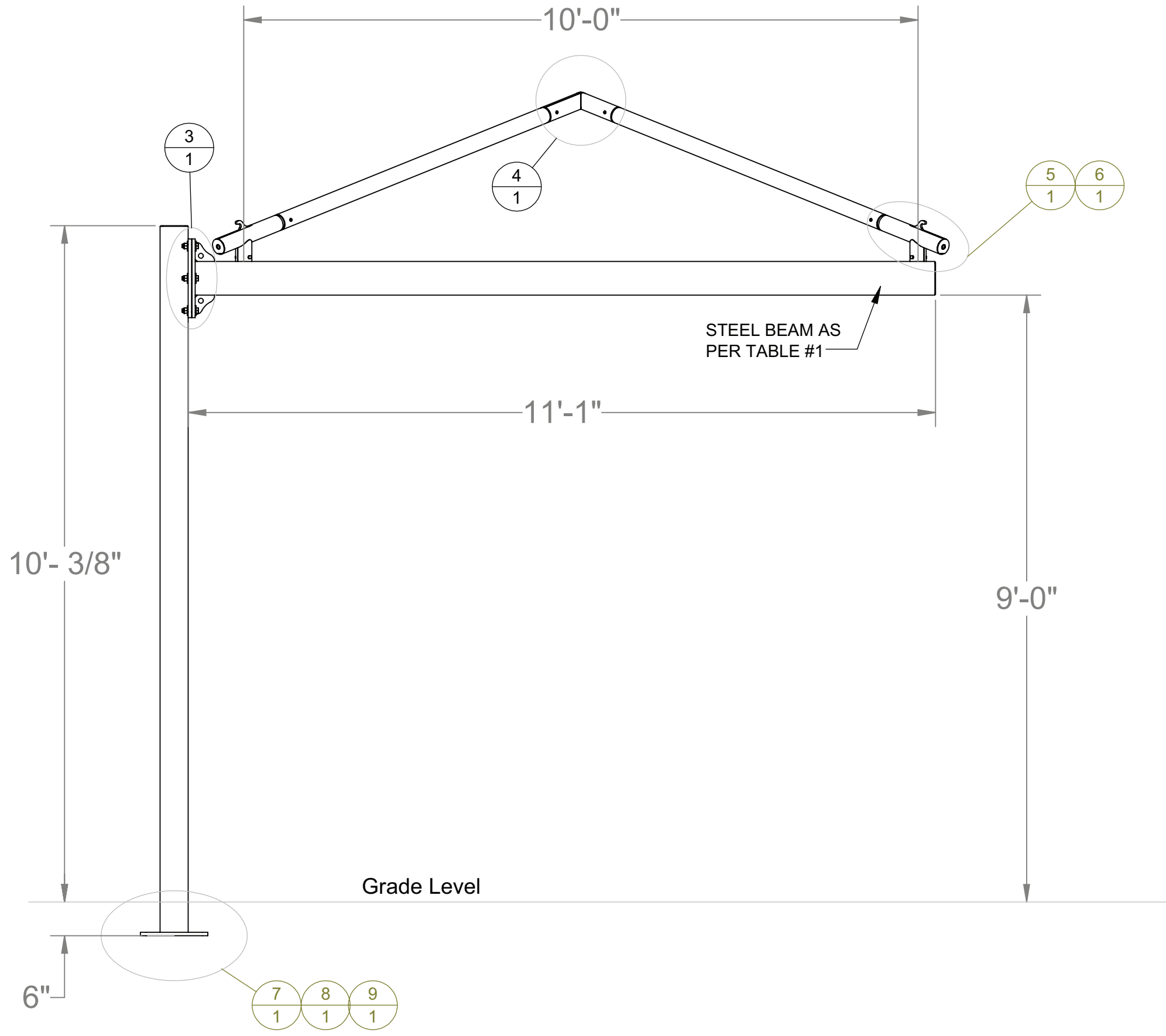
6 GLIDE ELBOW CONSTRUCTION



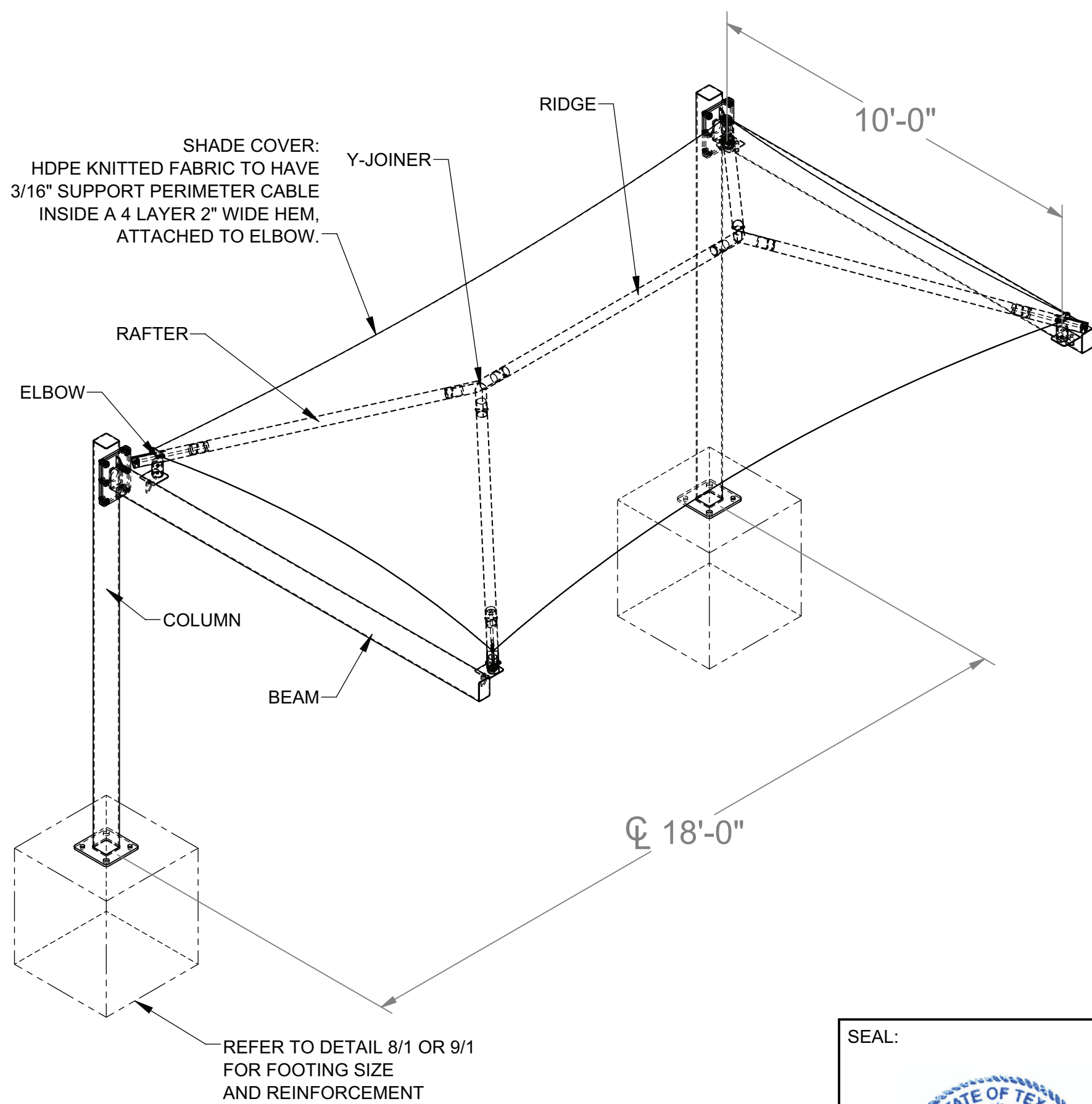
8 PIER FOOTER DETAIL OPTION A



9 SPREAD FOOTER DETAIL OPTION B



2 FRAME ELEVATION



1 CANTILEVER SHADE STRUCTURE 18' x 10' x 9'

SEAL:



Shade

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150 Adamson Industrial Blvd.
Carrollton, GA 30117

STATE OF TEXAS

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3920 Caruth Blvd.
Dallas TX, 75225

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Revisions

Date: By:

Drawn: Michael.Ingalsbe

Date: 03-23-2026

Chkd:

Date:

SO0303774B

1
Sheet No.



Quality Assurance & Compliance Testing
Lifting Service & Related Technologies
19 Almet Blvd Street, 10th Floor
New York, NY 10019
Tel: 212 947 8891 Fax: 212 947 8719
www.vartest.com

Third Party Test Report

DATE: March 7, 2025 FILE: ALMETA.A0211258-R1
CLIENT: Almet Americas 417 Central Park Dr. Sanford, FL 32771
ATTN: James P. Lane

SAMPLE IDENTIFIED BY CLIENT AS:

Fabric Submitted
Manufacturer: ALMET SOUTH AFRICA
Style: 311105; Season: MFR - 1/19/2024
LOT: PANEL #10, COLOR 4120, MOUNTING #41
Ref: ALMET EXTRA BLOCK, 1 YARD X 1 YARD
Color: Mint Green

TEST PROCEDURES:

TEST RESULTS:

FIRE RESISTANCE NFPA 701 2023 - TEST 2 (FLAT)

	Char Length (in)	After Flame (sec)	Drip Burn (sec)
Specimen 1	6.0	0.0	0.0
Specimen 2	4.0	0.0	0.0
Specimen 3	5.0	0.0	0.0
Specimen 4	5.0	0.0	0.0
Average	5.0	0.0	0.0

RESULTS: PASS

NOTE: After flame shall not exceed 2 seconds.

When the char length of any individual folded specimen exceeds 1050 mm (41.3 in), the material shall be recorded as having failed the test.

When at any time during or after the application of the test flame, any portions of residues of the material being tested break or drip from the specimen and fall to the floor of the test apparatus and continue burning more than 2 seconds after reaching the floor of the test apparatus, the material shall be recorded as having failed the test.

Signed For The Company By

Joseph Lin
Laboratory Manager



Ashik Faisal
Technical Director

ME/02

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Values otherwise identified, all compliance statements are sample acceptance. Terms and Conditions:
http://vartest.com/resources/terms-and-conditions

DESIGN CRITERIA

2021 INTERNATIONAL BUILDING CODE

RISK CATEGORY: II

DEAD LOAD:

FABRIC: 0.10 PSF

SNOW LOAD:

GROUND SNOW LOAD: 5 PSF

ROOF SNOW LOAD: 5 PSF

SNOW EXPOSURE FACTOR: 1.0

SNOW LOAD IMPORTANCE FACTOR: 1.0

THERMAL FACTOR: 1.2

LIVE LOAD:

ROOF LIVE LOAD: 5 PSF

WIND LOAD:

ULTIMATE DESIGN WIND SPEED: 105 MPH

WIND IMPORTANCE FACTOR: 1.0

WIND EXPOSURE CATEGORY: C

WIND ENCLOSURE TYPE: OPEN

GUST EFFECT FACTOR: 0.85

SEISMIC DESIGN:

SEISMIC LOAD DOES NOT CONTROL THE DESIGN BASED ON THE ASSUMPTION THAT THE FABRIC HAS NEGLIGIBLE MASS

OWNER NOTES

- FABRIC MEMBRANE(S) MUST BE REMOVED IF LIVE LOAD/ROOF SNOW LOAD IS EXPECTED TO EXCEED 0 PSF AND/OR THE WIND SPEED IS EXPECTED TO EXCEED A NOMINAL DESIGN WIND SPEED OF 90 MPH OR 74 MPH SUSTAINED WIND LOAD TO PREVENT DAMAGE.
- THE OWNER ACCEPTS FULL RESPONSIBILITY OF REMOVING THE FABRIC FROM THE STEEL FRAME WHEN ANY OR ALL OF THESE CONDITIONS MAY OCCUR.
- THE STEEL STRUCTURE WITH THE FABRIC REMOVED, WAS DESIGNED TO WITHSTAND DEAD LOADS, ROOF LIVE LOADS, SNOW LOADS AND WIND SPEEDS AS SPECIFIED ABOVE PER THE LOCAL CODE REQUIREMENTS. IF THE ABOVE LOADS ARE EXCEEDED OR ADDITIONAL LOADS ARE INDUCED STRUCTURAL FAILURE MAY OCCUR. THE OWNER IS RESPONSIBLE FOR AND ACCEPTS FULL LIABILITY FOR ANY ISSUES CAUSED BY EXCEEDING THE DESIGN CRITERIA LOADS.

GENERAL NOTES

- FABRIC MEETS NFPA 701-2023
- ALL EXPOSED STEEL TO BE POWDER COATED.

FOUNDATION DESIGN

MINIMUM CONCRETE COMPRESSIVE STRENGTH AFTER 28 DAYS: 3,000 PSI (SPECIAL INSPECTION REQUIRED)

STEEL REINFORCEMENT: ASTM-A615, GRADE 60

ASSUMED VERTICAL FOUNDATION PRESSURE: 1,500 PSF

ASSUMED LATERAL BEARING PRESSURE: 100 PSF/F

THE VERTICAL AND LATERAL BEARING PRESSURE VALUES WERE CONSIDERED PER CONDITIONS OF CURRENT BUILDING CODE.

FOUNDATION NOTES:

- THE FOUNDATION DESIGN IS BASED ON TABLE 1806.2 OF THE INTERNATIONAL BUILDING CODE, CLASS 5 SOIL MATERIAL. IF DIFFERENT SOIL CONDITIONS ARE ENCOUNTERED, IT IS RECOMMENDED THAT A SITE SPECIFIC GEOTECHNICAL REPORT IS CONDUCTED TO DETERMINE THE LOAD BEARING VALUES OF THE SOIL. OWNER / CONTRACTOR ASSUME FULL LIABILITY IF NO GEOTECHNICAL INVESTIGATIONS ARE CONDUCTED.
- IF THE FOOTING DEPTH DOES NOT MEET LOCAL FROST REQUIREMENTS, FOOTINGS SHALL BE RE-DESIGNED UNDER THE DIRECTION OF AN ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCAL FROST DEPTH.

MATERIALS

- ALL MATERIALS LISTED BELOW MAY NOT BE SPECIFIC TO THIS PROJECT.

MEMBER TYPE	ASTM	MIN. YIELD STRENGTH
W SHAPES	A992	50 KSI
RECTANGULAR HSS TUBES	A500(GRADE B)	46 KSI
SQUARE HSS TUBES	A500(GRADE B)	46 KSI
ROUND HSS TUBES	A500(GRADE B)	42 KSI
SCHEDULE PIPE	A500(GRADE B&C)	50 KSI
ROUND MECHANICAL TUBING	A519	45 KSI
MISCELLANEOUS PLATES/SHAPES	A36	36 KSI
CONNECTION BOLTS	SAE J429(GRADE 5)	92 KSI
HEADED ANCHOR BOLTS	F1554	36 KSI
HOKED ANCHOR BOLTS	A307	36 KSI

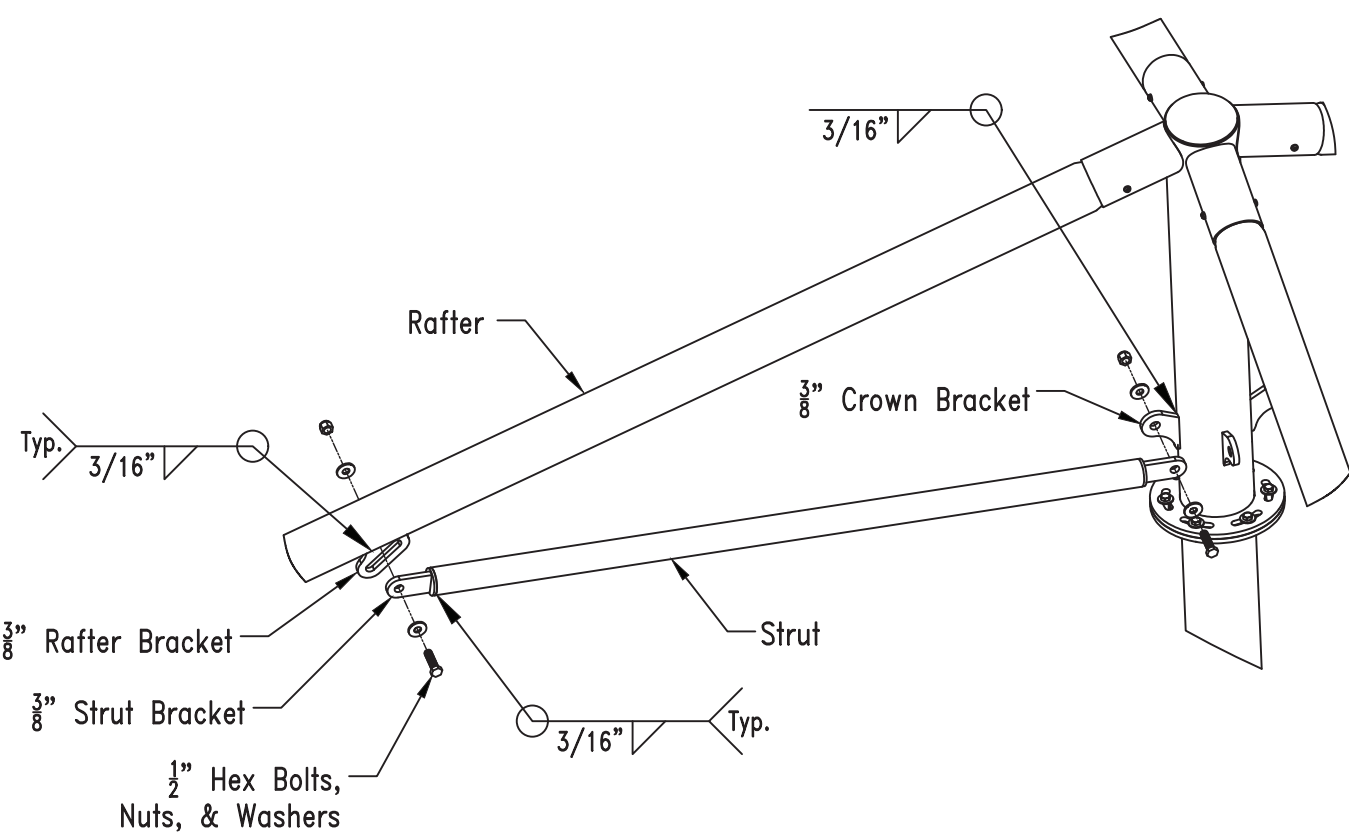
3/16" GALVANIZED AIRCRAFT CABLE SHALL HAVE A NOMINAL STRENGTH OF 4,200 LBS.

1/4" GALVANIZED AIRCRAFT CABLE SHALL HAVE A NOMINAL STRENGTH OF 7,000 LBS.

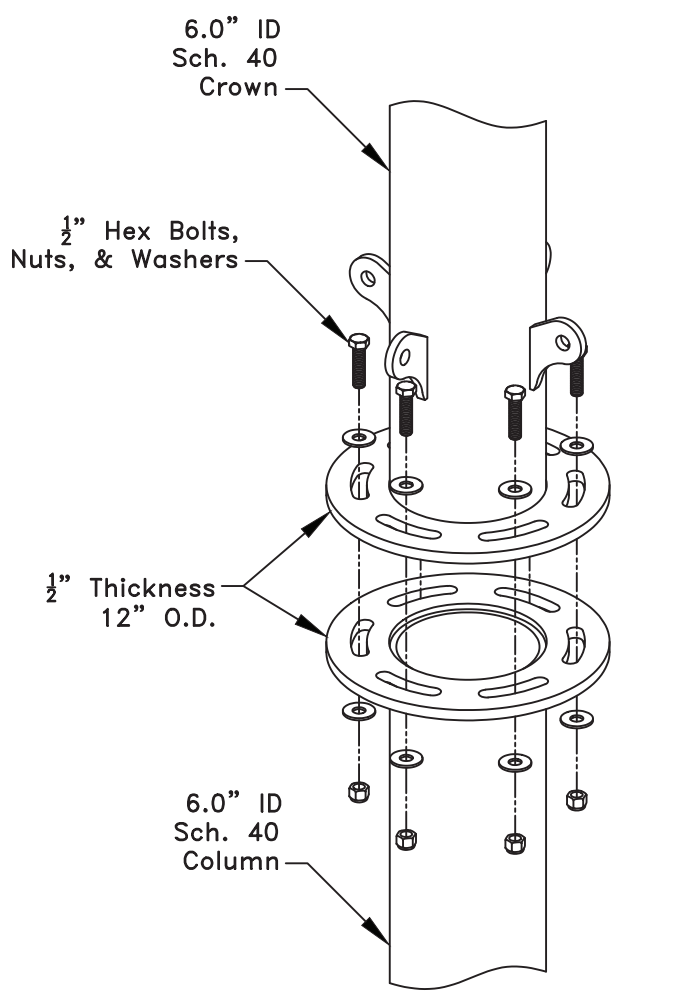
5/16" GALVANIZED AIRCRAFT CABLE SHALL HAVE A NOMINAL STRENGTH OF 9,800 LBS.

TABLE 1

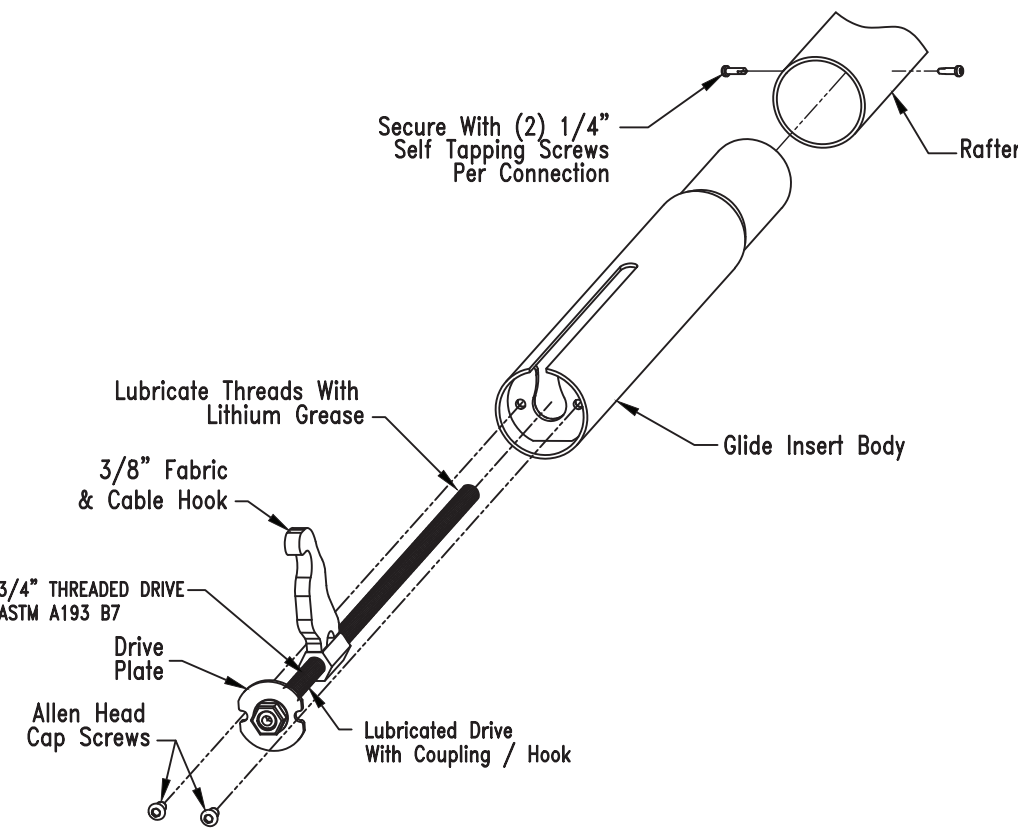
STRUCTURE	EAVE HEIGHT	COLUMN & CROWN SIZE	RAFTER TUBE SIZE	STRUT TUBE SIZE	SPREAD FOOTING SIZE	SPREAD FOOTING REINF.
20' x 20' Square Umbrella	10'-0" Above Grade	6.0" ID Sch 40	3.5" O.D. 11 Ga.	2.5" O.D. 12 Ga.	4.5' x 4.5' 3.0' Deep	(8) #5 EW Top & Bot.



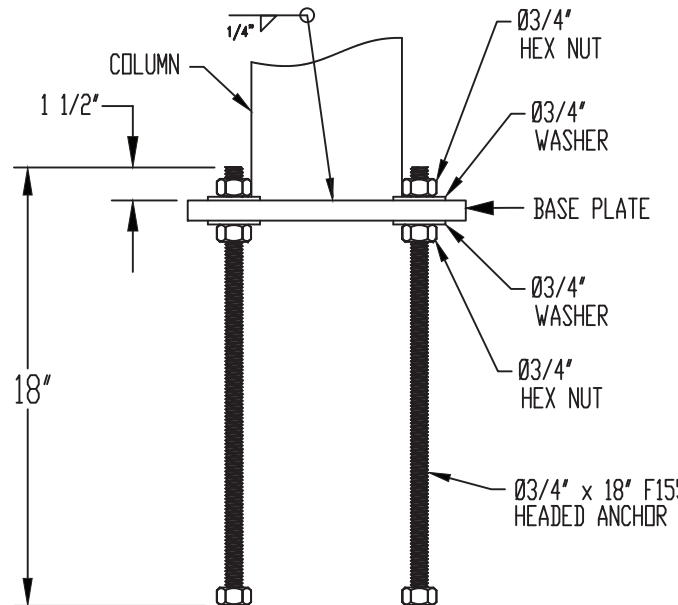
4
1 STRUT CONNECTION



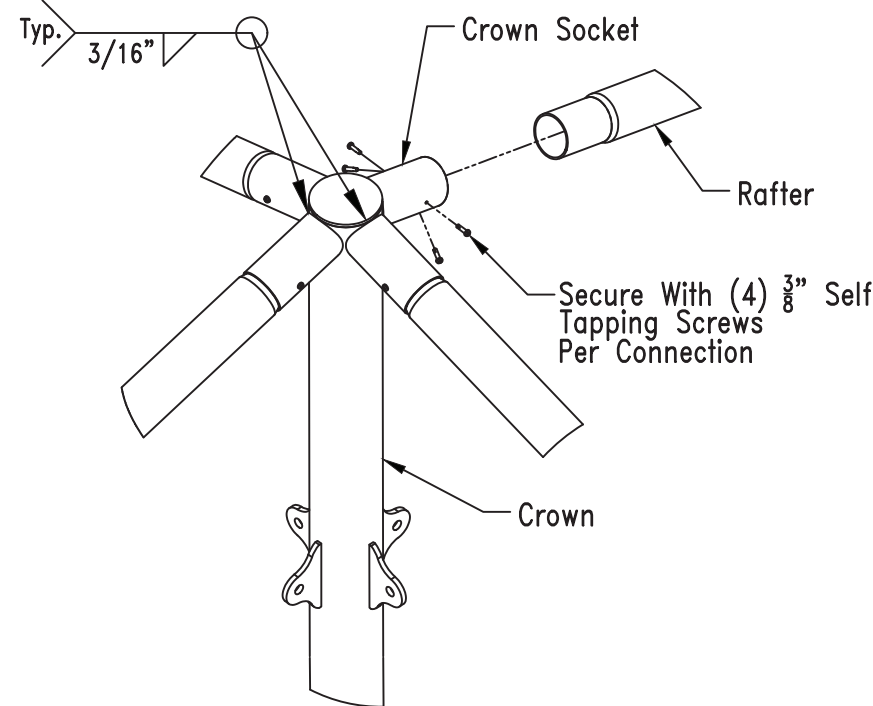
3
1 CROWN CONNECTION



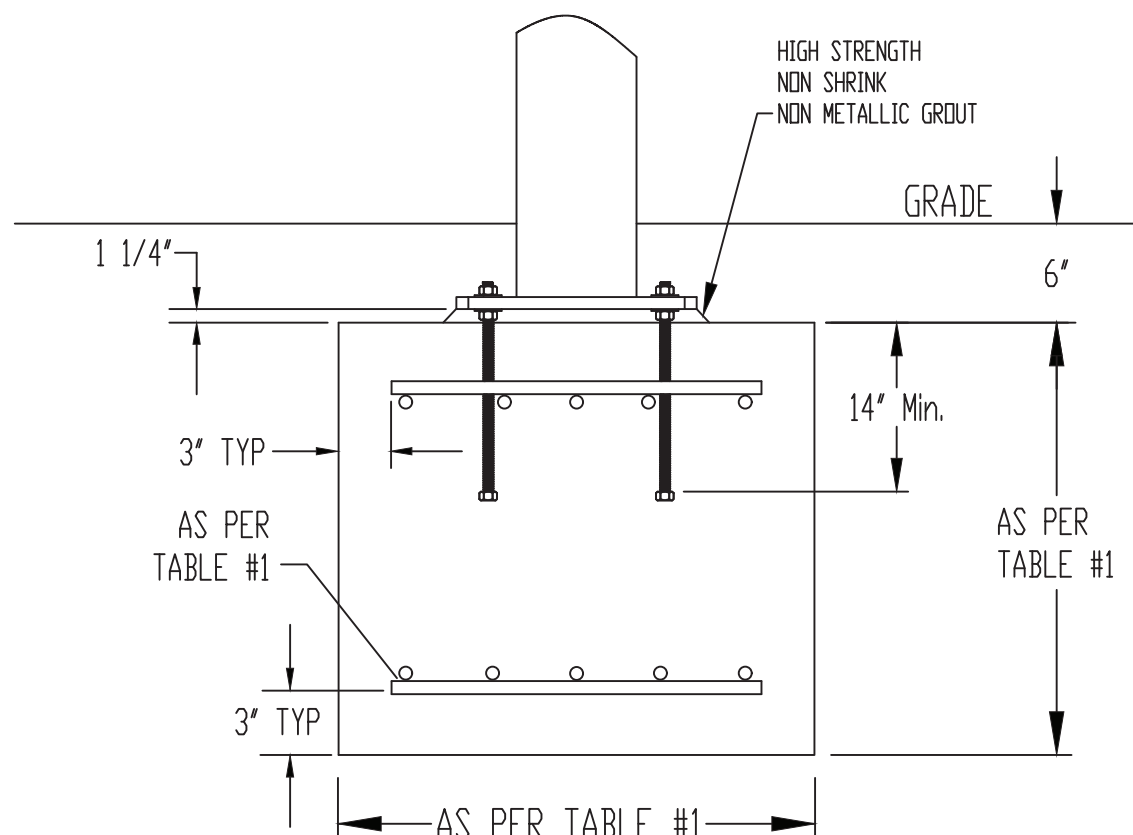
5
1 GLIDE INSERT MECHANISM



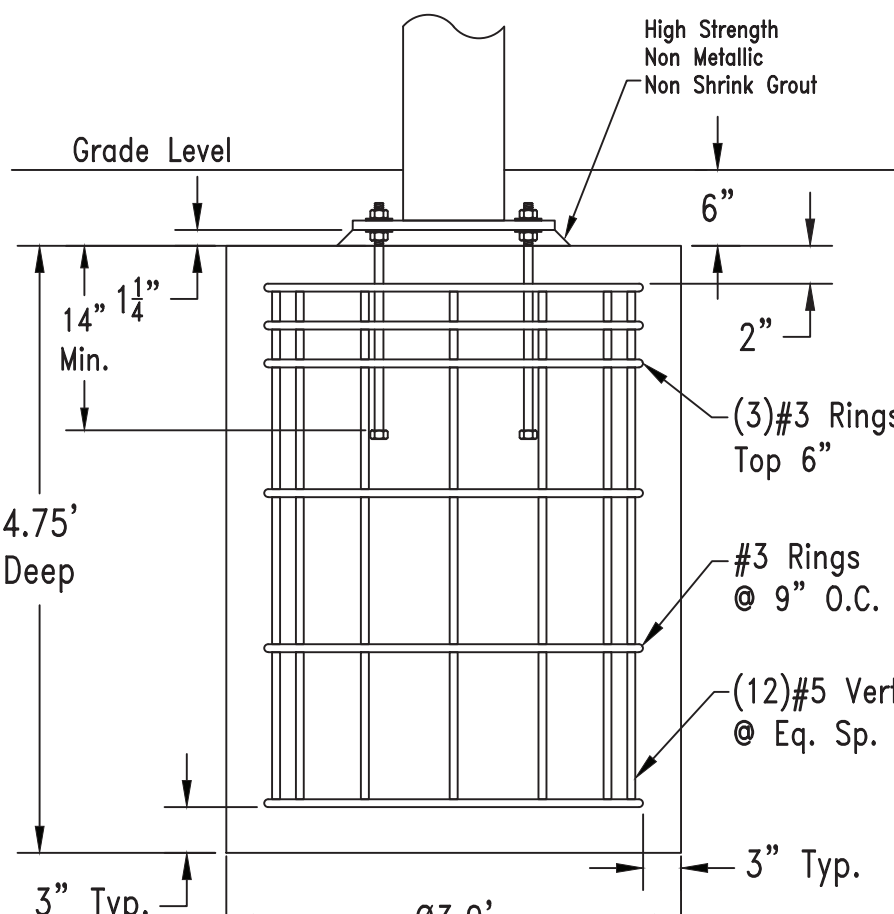
7
1 ANCHOR & BASE DETAILS



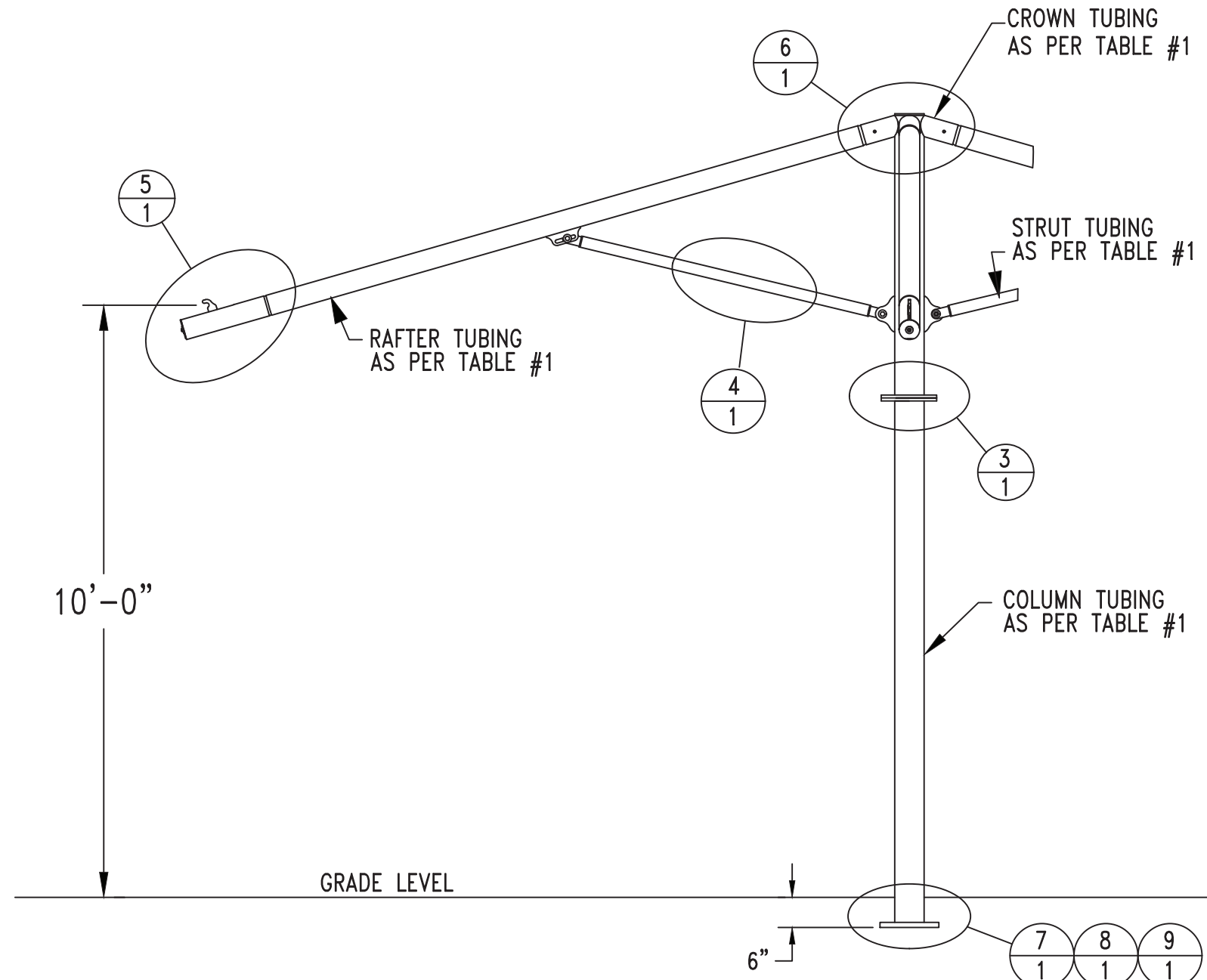
6
1 RAFTER CONNECTION



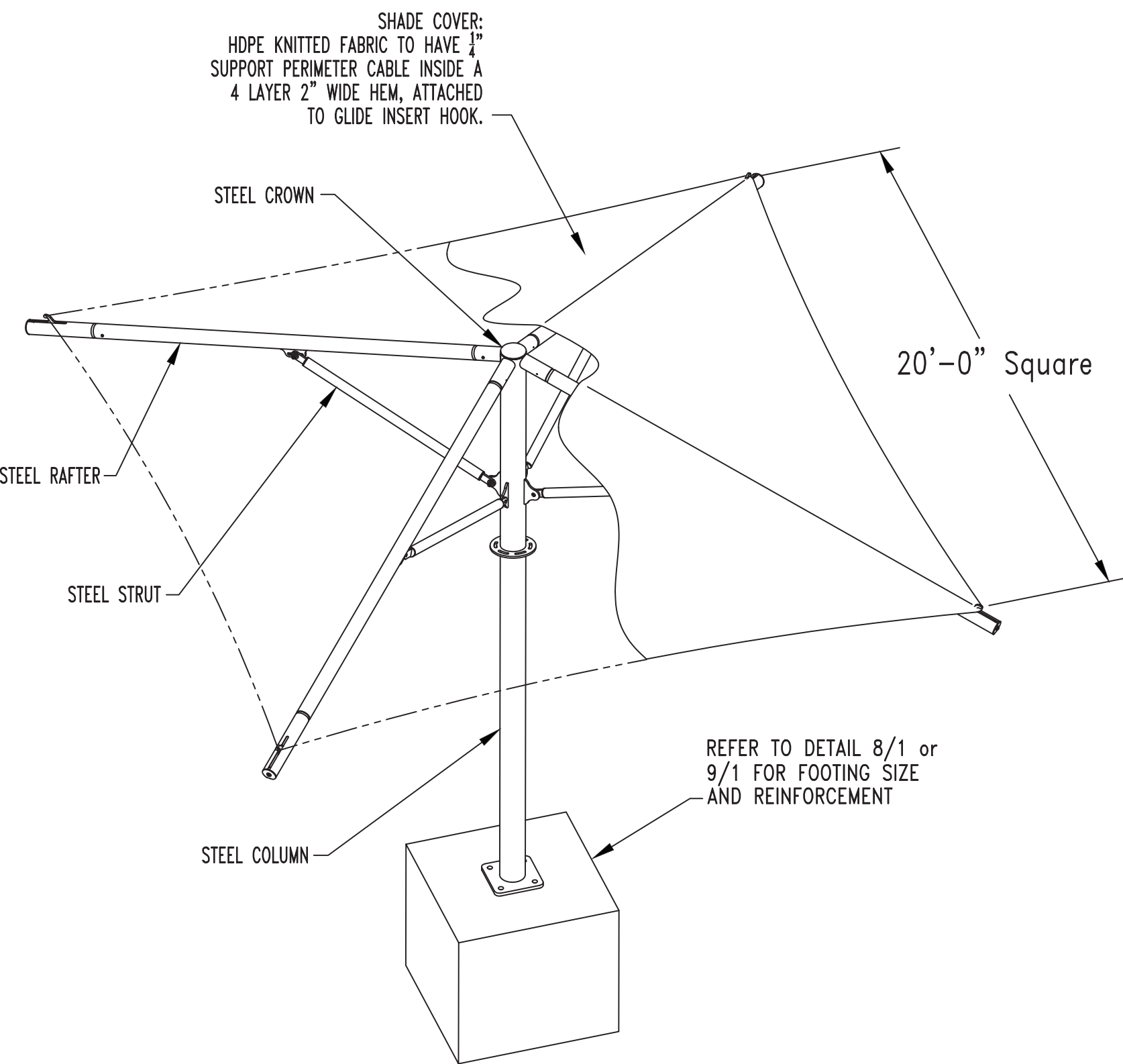
8
1 SPREAD FOOTING DETAIL
OPTION A



9
1 PIER FOOTING DETAIL
OPTION B



2
1 FRAME ELEVATION



1
1 SQUARE UMBRELLA
20' x 20' x 10'

SEAL:



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HYER ELEMENTARY
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Revisions:

Date:	By:

Drawn: MRI
Date: 3/23/26
Chkd:
Date:

S00303774C

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Sheet No.

