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Received: 05/03/2018
Client's Style: Extrablock Forest Green
Identification

Completed: 05/07/2018
Letter: 2
MB P.O.#:
Test Report #: 3-25901-d-

Tested For: Bernard Senekal
Albet (PTY) Ltd.
Moonson Ave, Epping 2
Cape Town, 7600, South Africa

Key Test: NFPA 701-2015 TM62 Flt
475

Tel: 011 27 21 530 2400
Ext:
Fax:

ME: 2015 ME: 2019 V: 11/13 NFR 04/16 PCL: 18

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2015 edition - Test Method #2 - Flat Sheet Specimens

SPECIMEN CONFIGURATION: (x) Single Layer: () Multi Layer

RESULTS REPORTED: (x) Initially () After 72 hours water leaching () After 3 day cleanings () After 100 hours accelerated weathering () After 3 launderings @ 160°F

RESULTS:

Length Specimen #	Afterflame (seconds)	Drip Burn (seconds)	Char Length (mm)
1	0	0	221
2	0	0	261
3	0	0	290
4	0	0	245
5	0	0	197
6	0	0	196
7	0	0	248
8	0	0	203
9	0	0	212
10	0	0	136

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 286 g/m²

FATIGUE CRITERIA: For each individual specimen: ---

Afterflame	Drip Burn	Char Length
Exceeds 2.0 seconds	Exceeds 2.0 seconds	Exceeds 435 mm (17.1")

TEST PROVISION: Test 5 additional specimens if only 1 specimen fails.

CONCLUSION: Based on the above Results and Failure Criteria, the item tested:

(x) Passes: () Fails: () Requires testing of 5 additional specimens

PRECONDITIONING: () 1 hr @ 220°F (Standard) (x) 24 hrs @ 68±9°F (Alternate: Material shrinks/distorts @ 220°F)

REMARKS: None.

CONVERSION FACTORS:

mm = 25.4 = inches
g/m² = 28.35 x .935 = oz/yd²

CERTIFICATION: I certify that all above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

AUTHORIZED SIGNATURE
GOVMARK
/s/ Jpb

Bobby Brown

MAY 08 2018

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DESIGN CRITERIA

2021 INTERNATIONAL BUILDING CODE

RISK CATEGORY: II

DEAD LOAD:

FABRIC: 0.10 PSF

SNOW LOAD:

GROUND SNOW LOAD: 21 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: 110 MPH

NOMINAL DESIGN WIND SPEED: 90 MPH

WIND IMPORTANCE FACTOR: 1.0

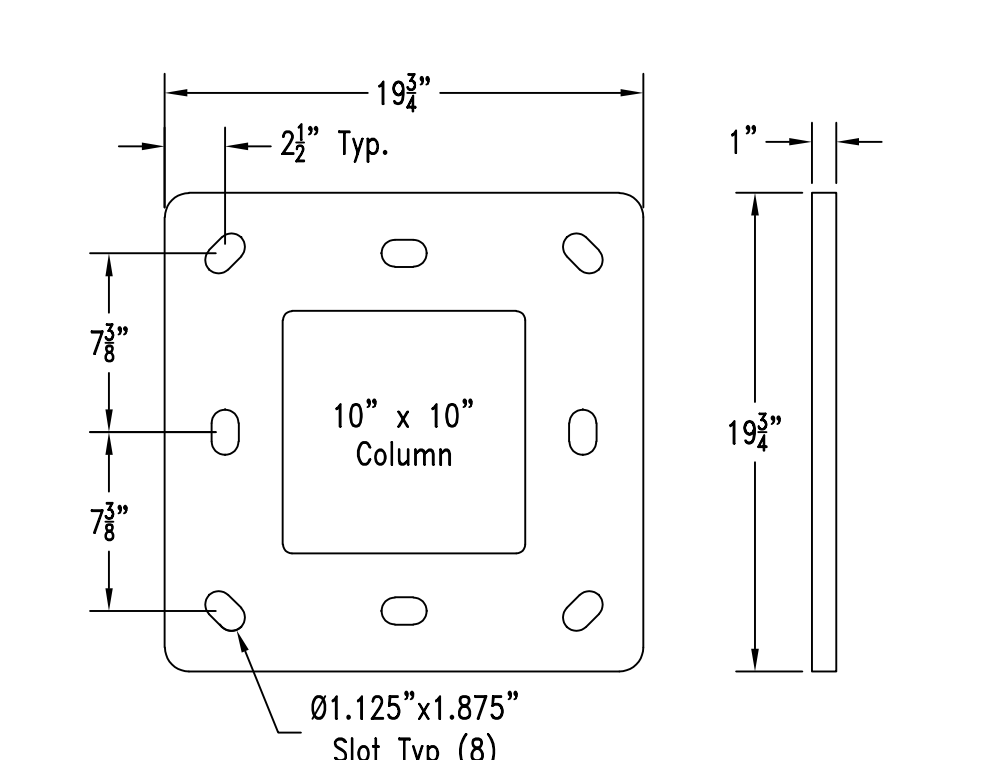
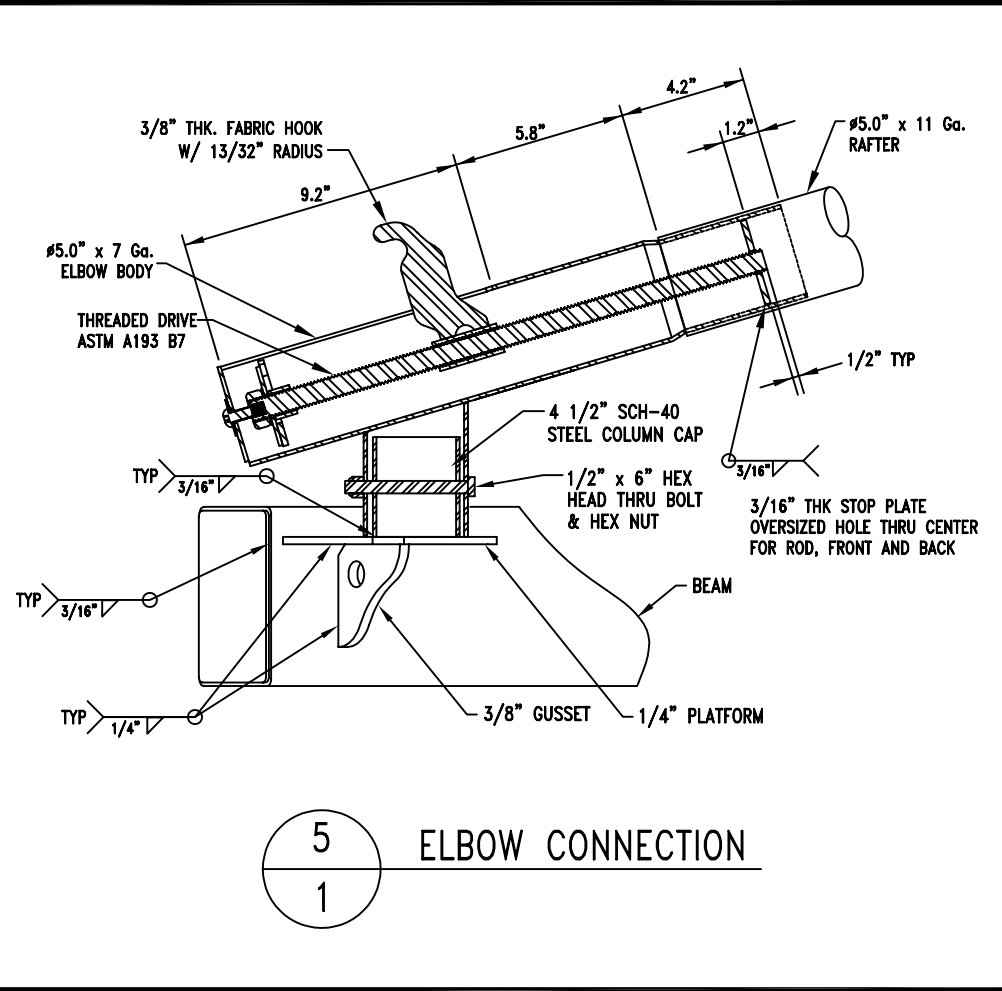
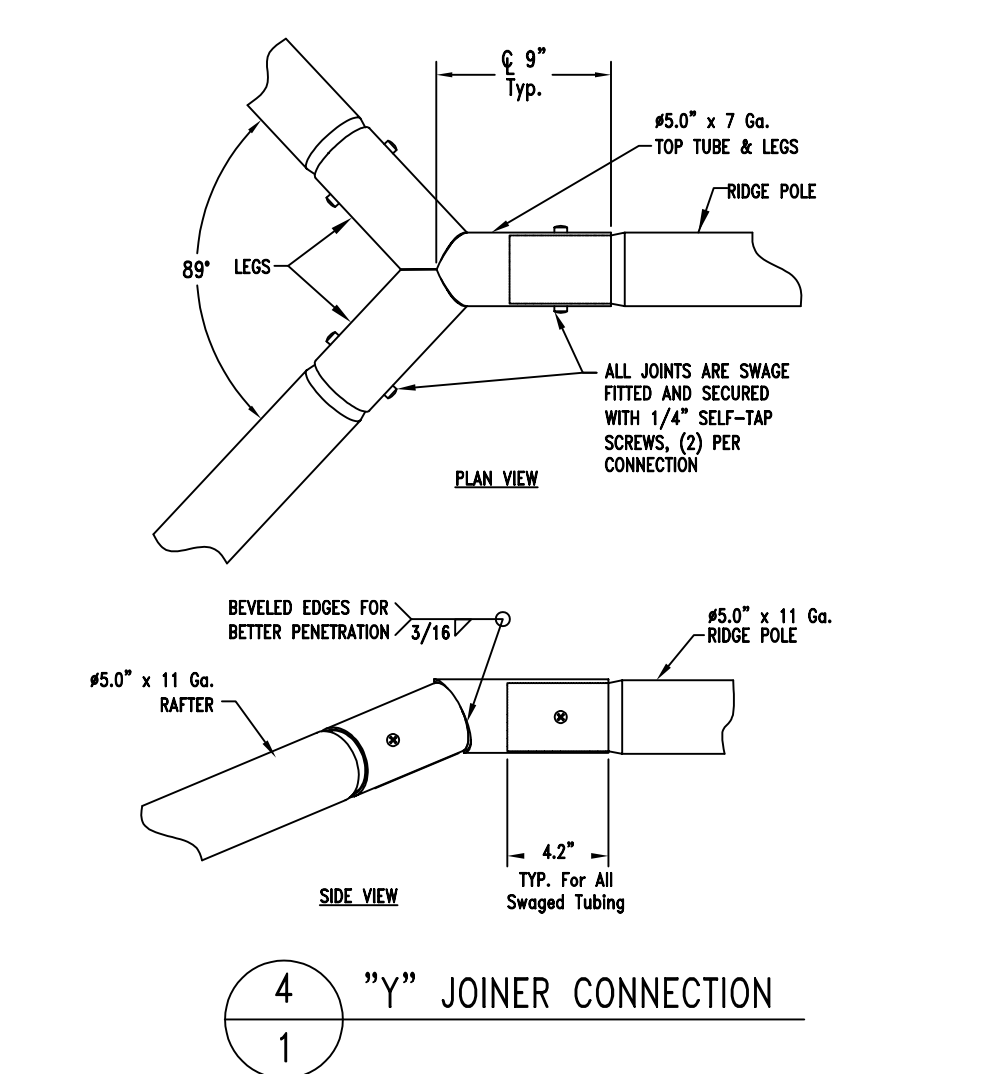
WIND EXPOSURE CATEGORY: C

WIND ENCLOSURE TYPE: OPEN

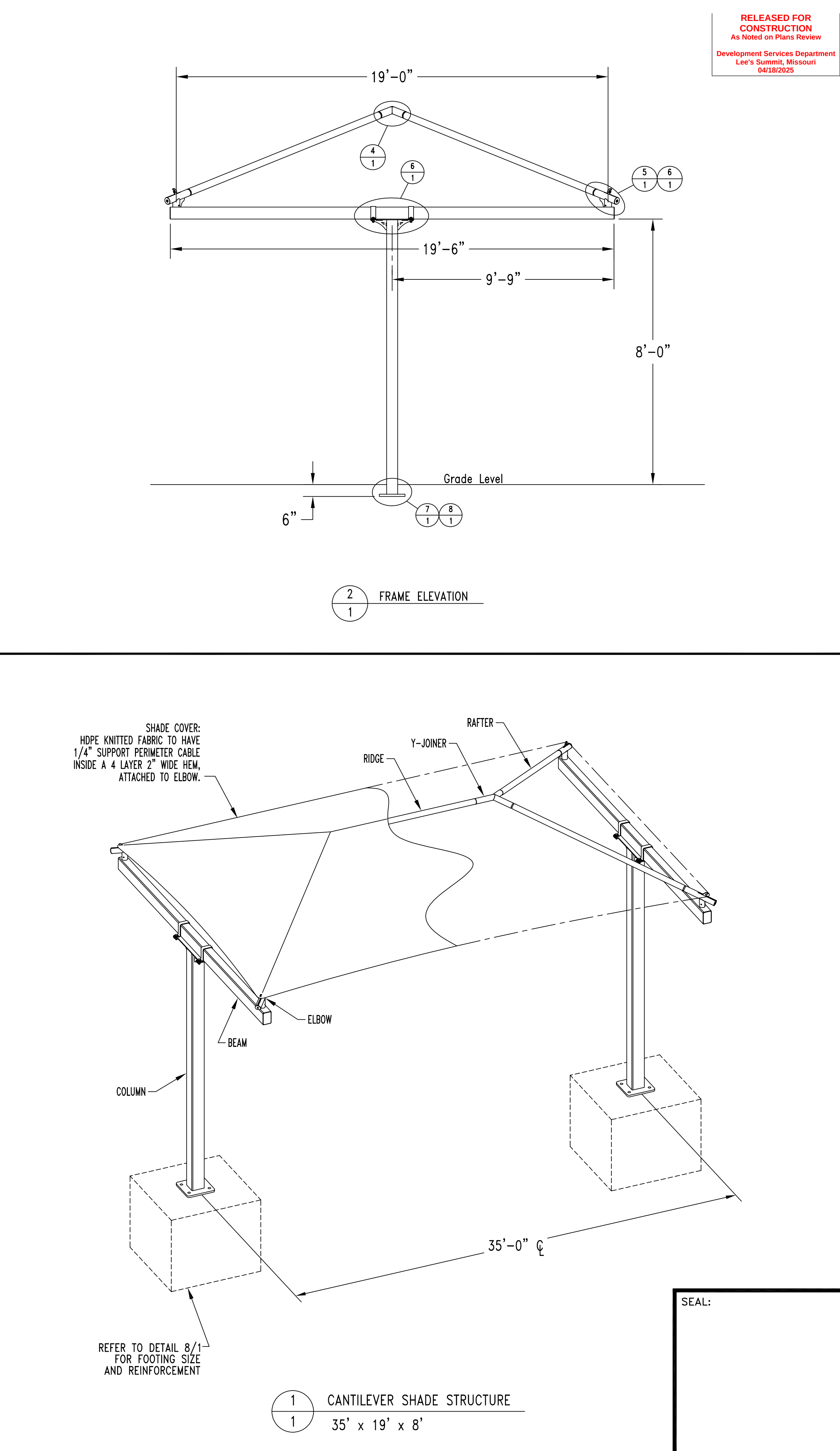
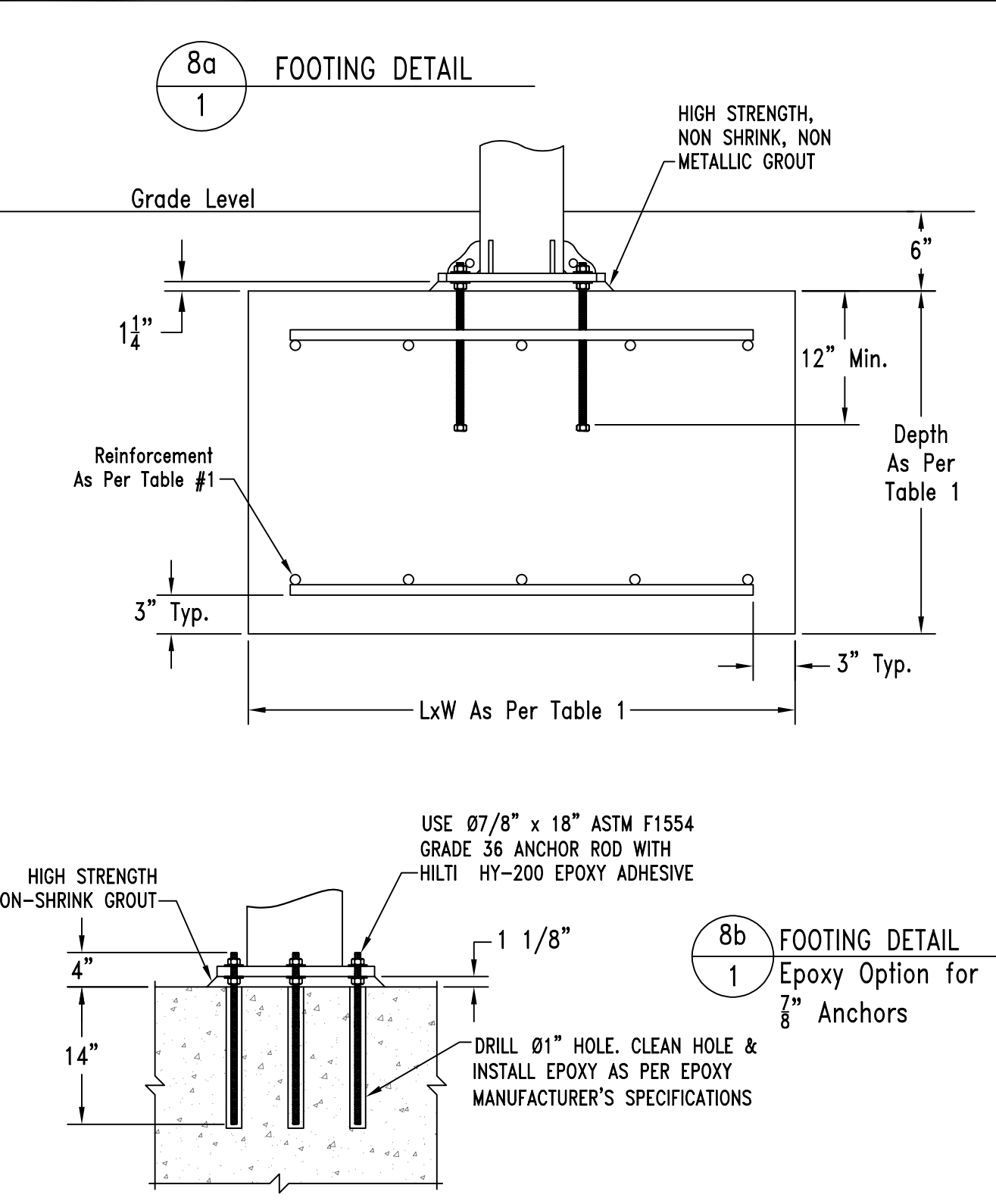
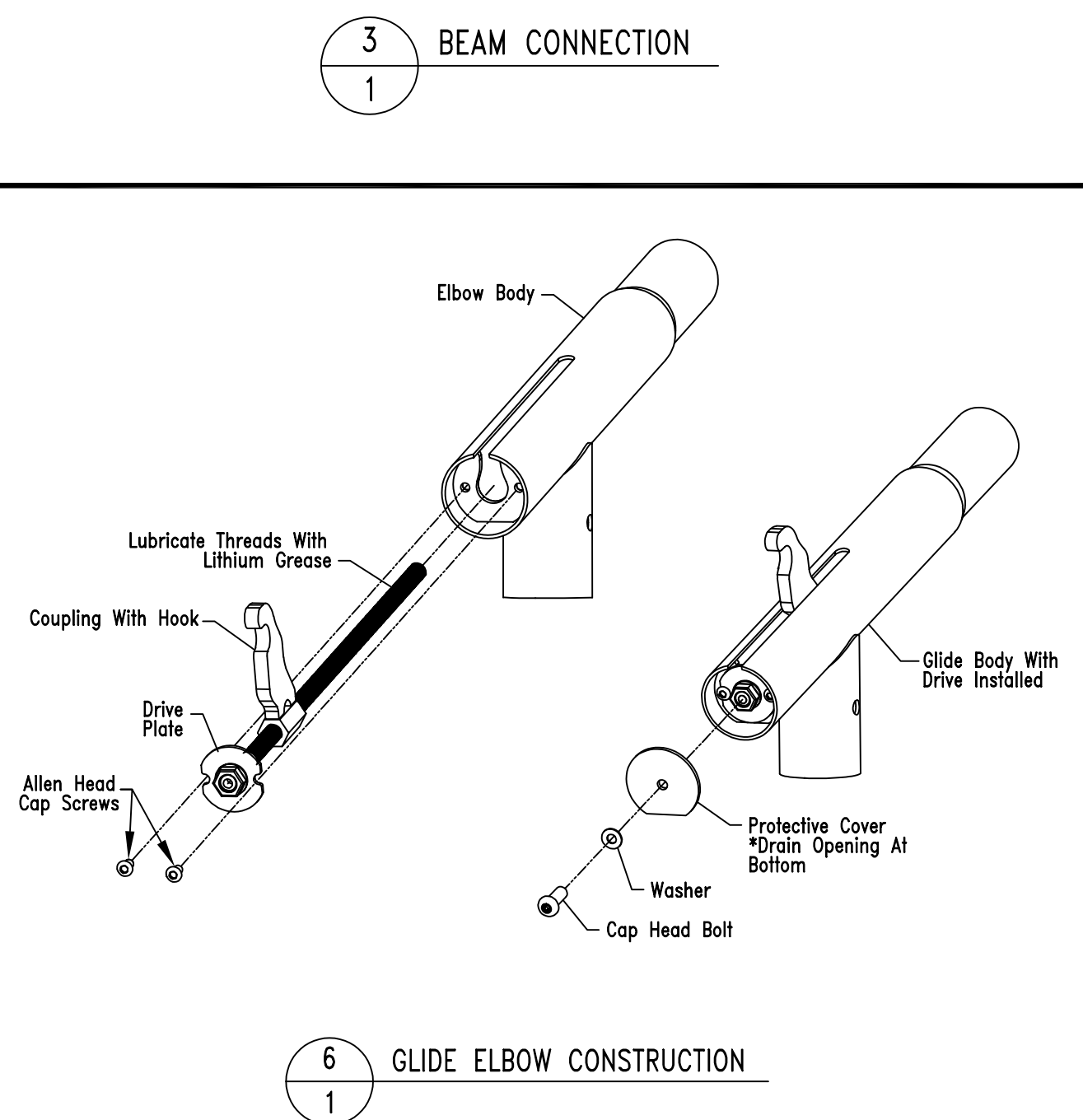
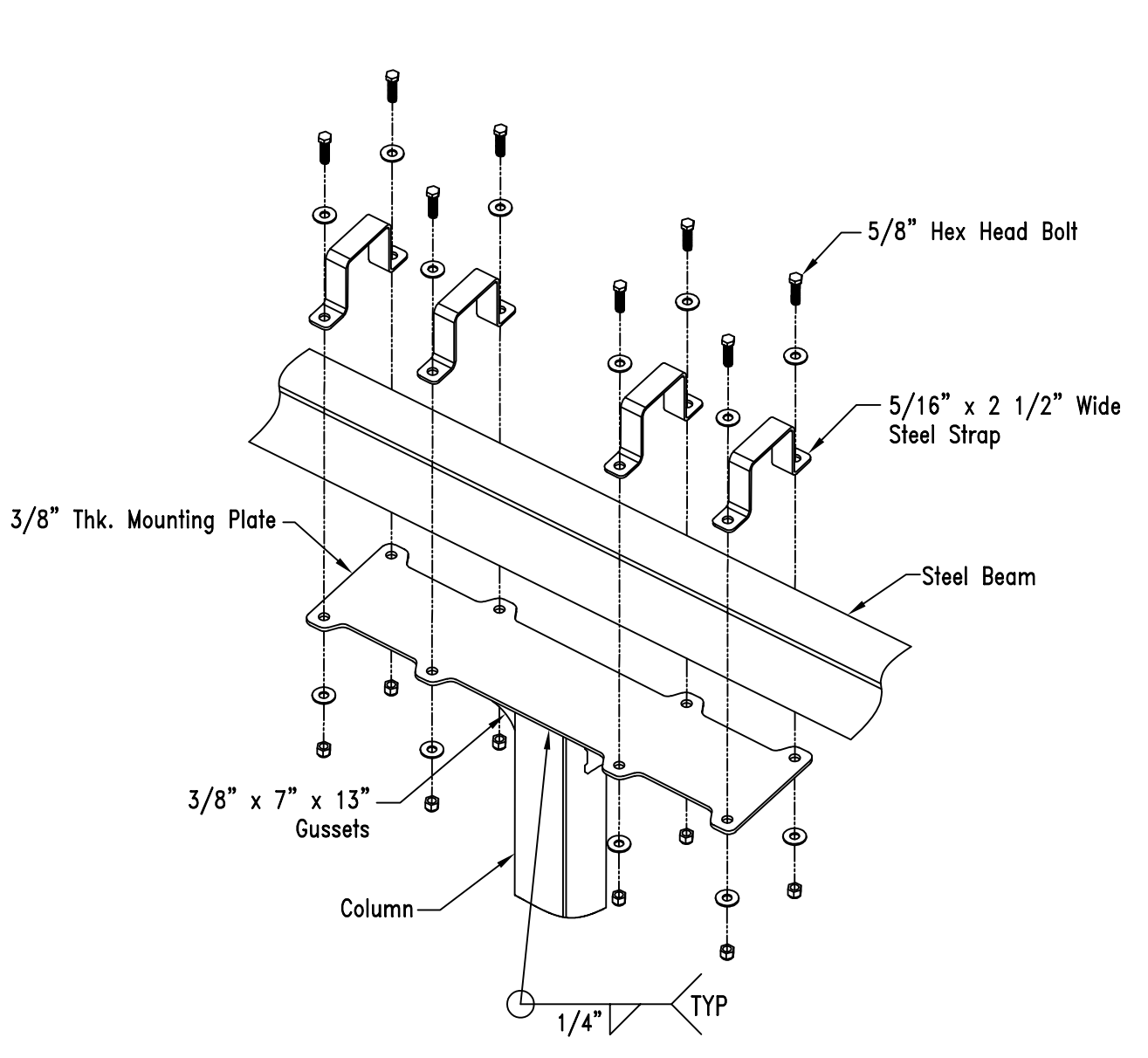
GUST EFFECT FACTOR: 0.85

SEISMIC DESIGN:

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



STRUCTURE	ENTRY HEIGHT	COLUMN SIZE	FRAME TUBE SIZE	FOOTING SIZE	FOOTING REINF.	BEAM SIZE
35' x 19' T-Cantilever	8'-0" Above Grade	10" x 10" 1/4" Wall	5.0" OD 11 Gauge	4.6' x 4.6' 3.0' Deep	(6)#5 EW Top & Bot.	6" x 8" 1/4" Wall



RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
04/18/2025

SEAL:

poligon
FABRIC

POLIGON SHADE
4240 136th Avenue
Holland, MI, 49424

LEE'S SUMMIT
1801 NE CONEFLOWER DRIVE
LEE'S SUMMIT, MO 64086

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Revisions:	
Date:	By:

Drawn: K. MADDEN
Date: 2/25/2025
Chkd:
Date:

#300054