

GENERAL NOTES

FOUNDATIONS:

THE SOIL BEARING VALUE SHALL NOT BE LESS THAN 2000 PSF. THE BEARING VALUE SHALL BE VERIFIED BY THE G.C. FOOTINGS SHALL BEAR IN UNDISTURBED SOIL. ALL T/FOOT. ELEVATION ARE TO BE THE SAME UNLESS SHOWN OTHERWISE. IF ELEVATIONS ARE NOT THE SAME, SHADY VENT MUST BE INSTRUCTED OF ELEVATIONS IN WRITING WHEN CANOPY ORDER IS PLACED. FOOTINGS DESIGN COMPLES W/ACI-318.

REINFORCING STEEL:

ALL DEFORMED BARS SHALL COMPLY w/ASTM A615 FY=60 AND SHALL BE WIRE TIED AT ALL JOINTS. RUSTY, OILY, OR DIRTY STEEL SHALL NOT BE USED.

ANCHOR BOLTS:

ANCHOR BOLTS MUST BE INSTALLED WITH A TEMPLATE AND WITHIN 1/8-INCH OF MEASUREMENTS OF THE BASE PLATE OR COLUMN WILL NOT FIT. CONCRETE CONTRACTOR IS RESPONSIBLE FOR RECESSING FOOTINGS 12 - INCHES BELOW FINISH GRADE AND FOR EXTENDING ANCHOR BOLTS 8 - INCHES ABOVE FOOTINGS IN ORDER FOR CANOPY TO ERECT PROPERLY. ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 36.

CONCRETE:

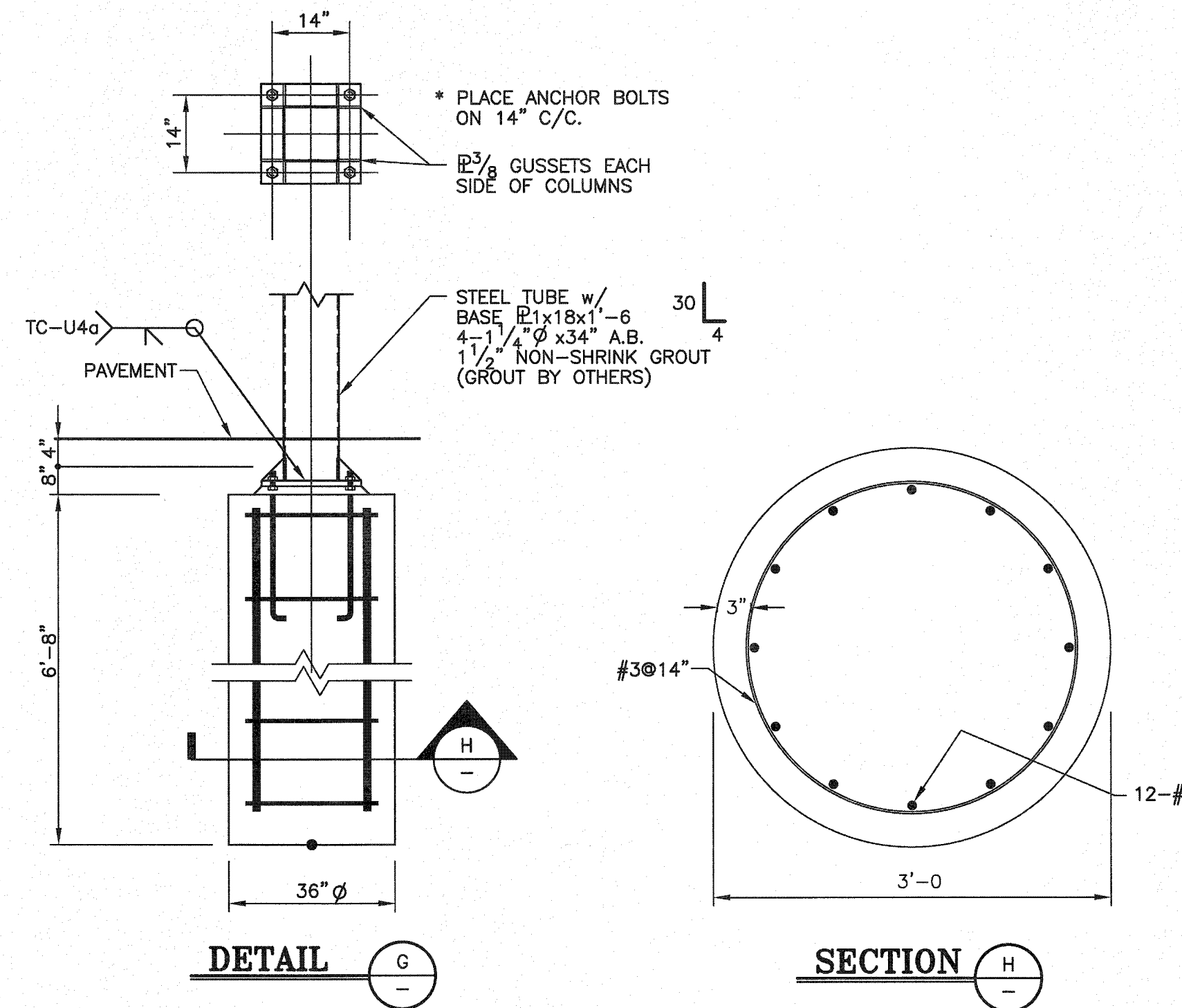
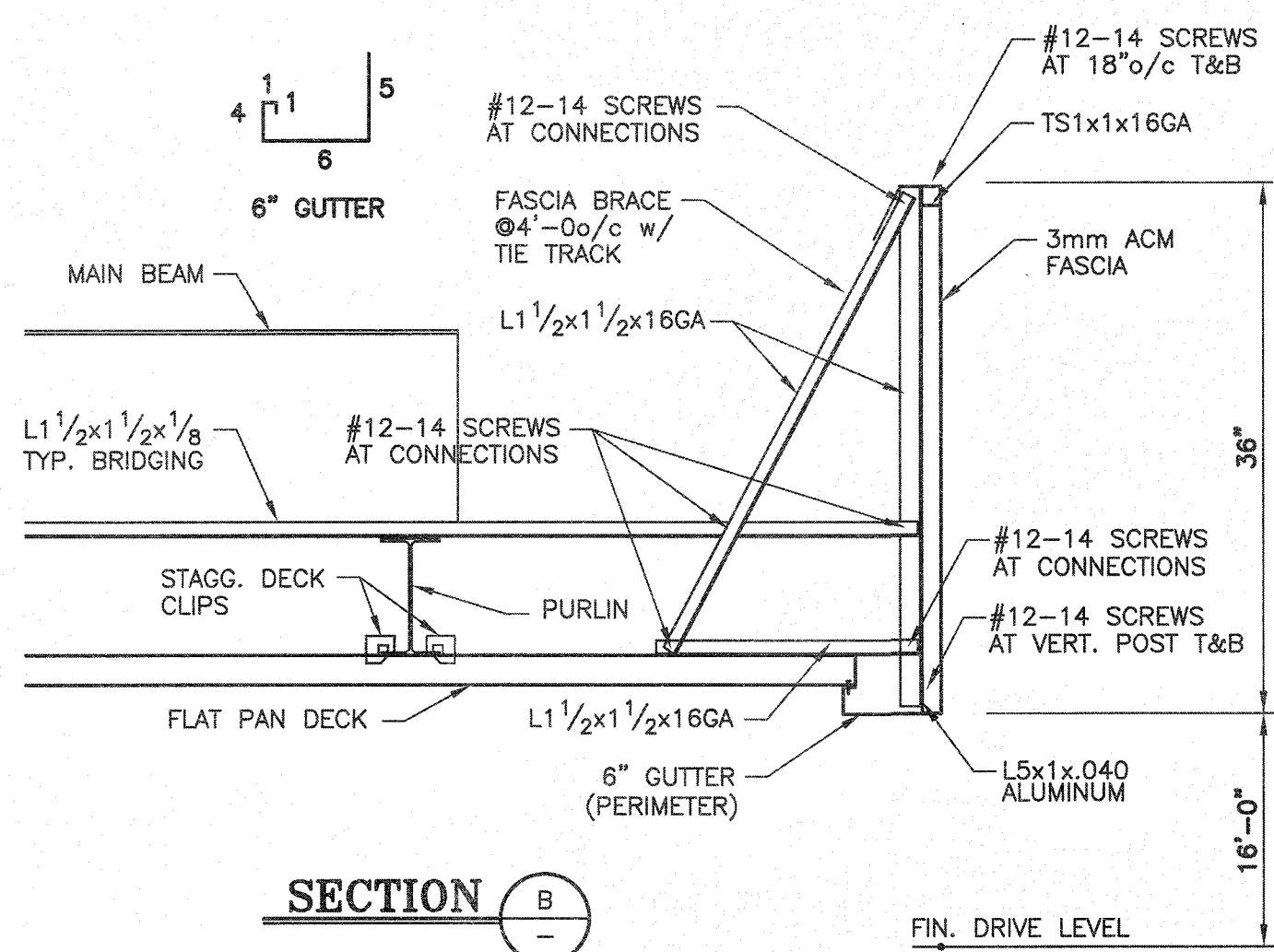
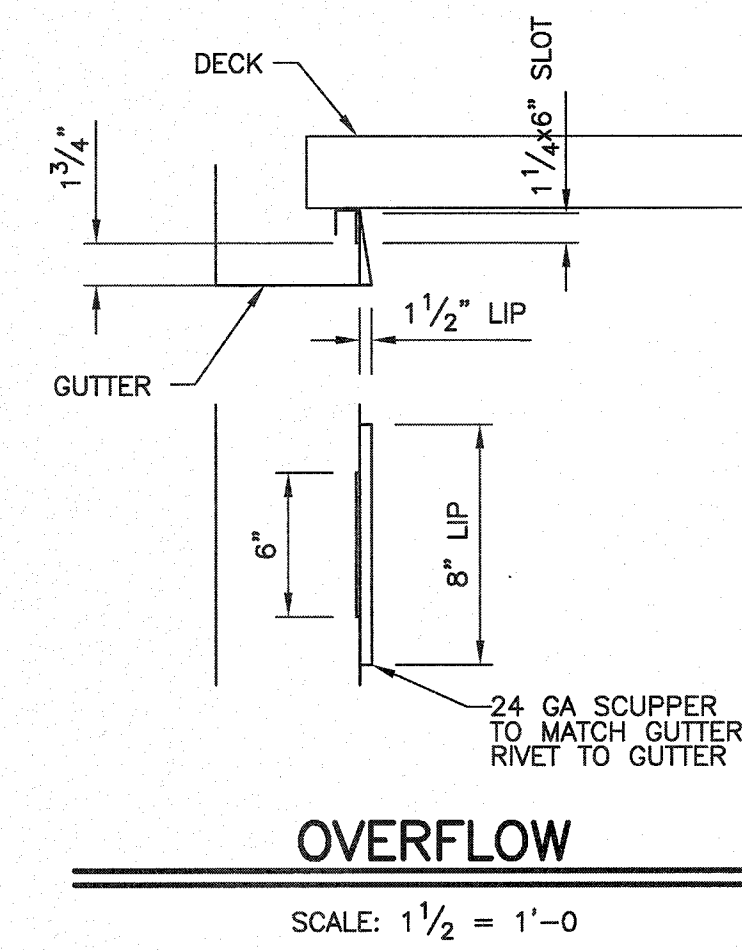
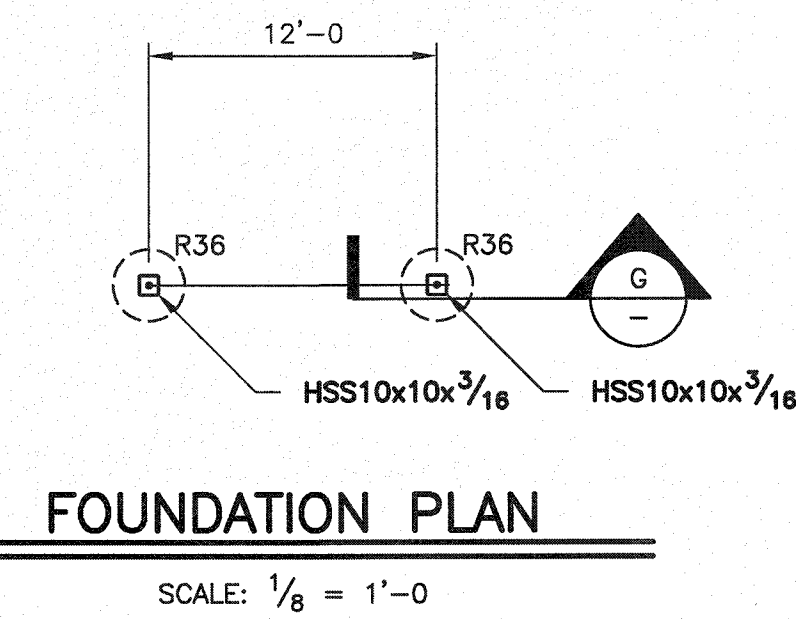
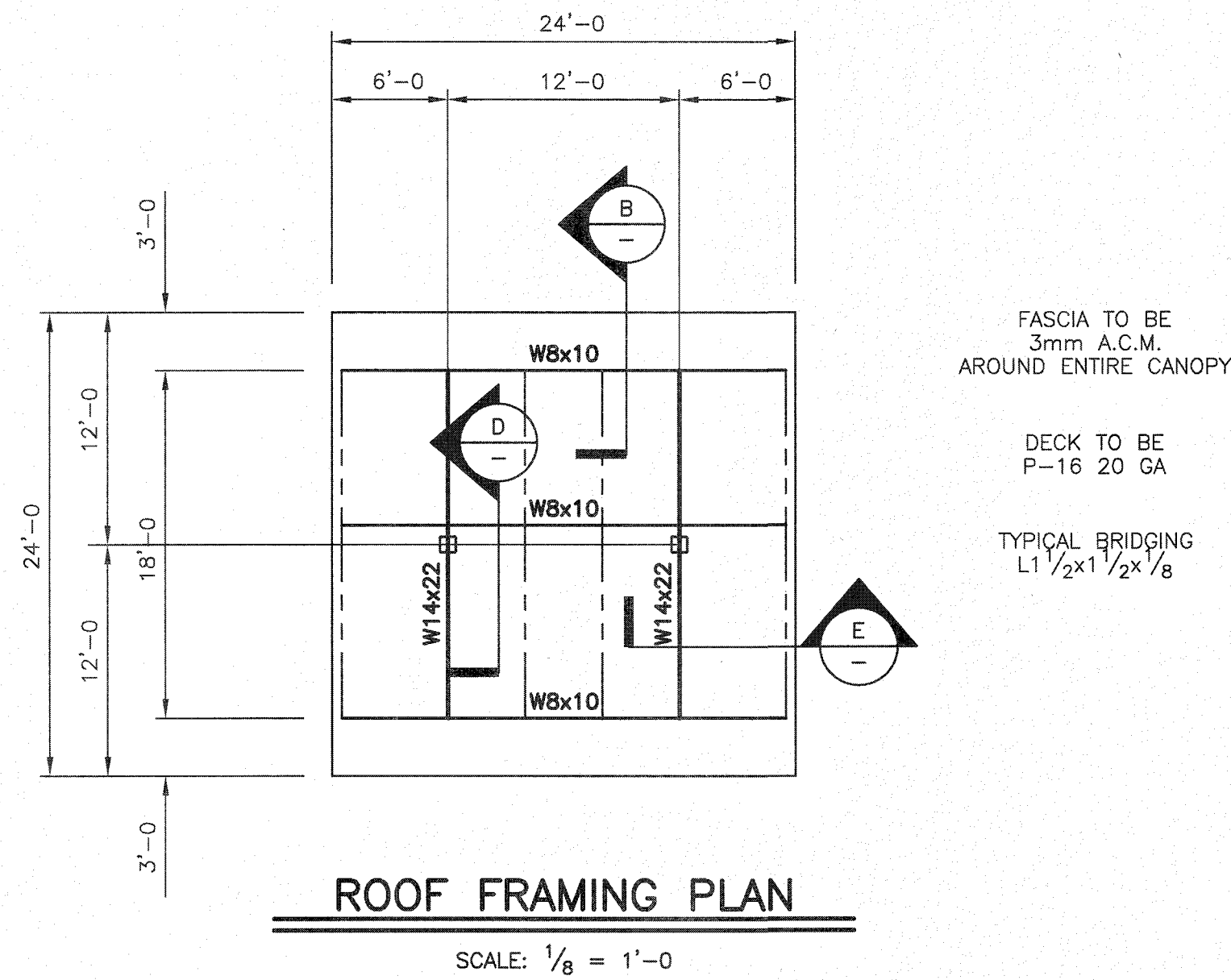
ALL CONCRETE SHALL BE 3000 PSI IN 28 DAYS. ALL CONC. SHALL BE PLACED IN ACCORDANCE WITH ACI-318.

STRUCTURAL STEEL:

ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH AISC SPECIFICATIONS. W-SHAPES SHALL BE ASTM A992. MISCELLANEOUS STEEL, PLATES, ANGLES, AND CHANNELS ARE TO BE ASTM A36. HSS SHAPES SHALL BE ASTM A500 GR. C. PROOF OF WELDERS CERTIFICATION SHALL BE AVAILABLE ON REQUEST. ALL BOLTS SHALL BE IN ACCORDANCE w/ASTM A325.

OTHER CONCRETE ITEMS:

OTHER CONCRETE ITEMS SUCH AS DRIVE THRU SLAB, BUILDING SLAB, PERIMETER FOOTING, AND LOAD BEARING FOOTINGS NOT USED FOR THE CANOPY ARE TO BE AT THE SAME ELEVATION UNLESS SHOWN OTHERWISE. IF ELEVATIONS ARE TO VARY, SHADY VENT MUST BE INSTRUCTED OF ELEVATIONS IN WRITING WHEN ORDER IS PLACED.



NOTE: THIS CANOPY IS DESIGNED PER ASCE 7-10 SEE FIG. 27.4-4, UNBALANCED WIND LOAD

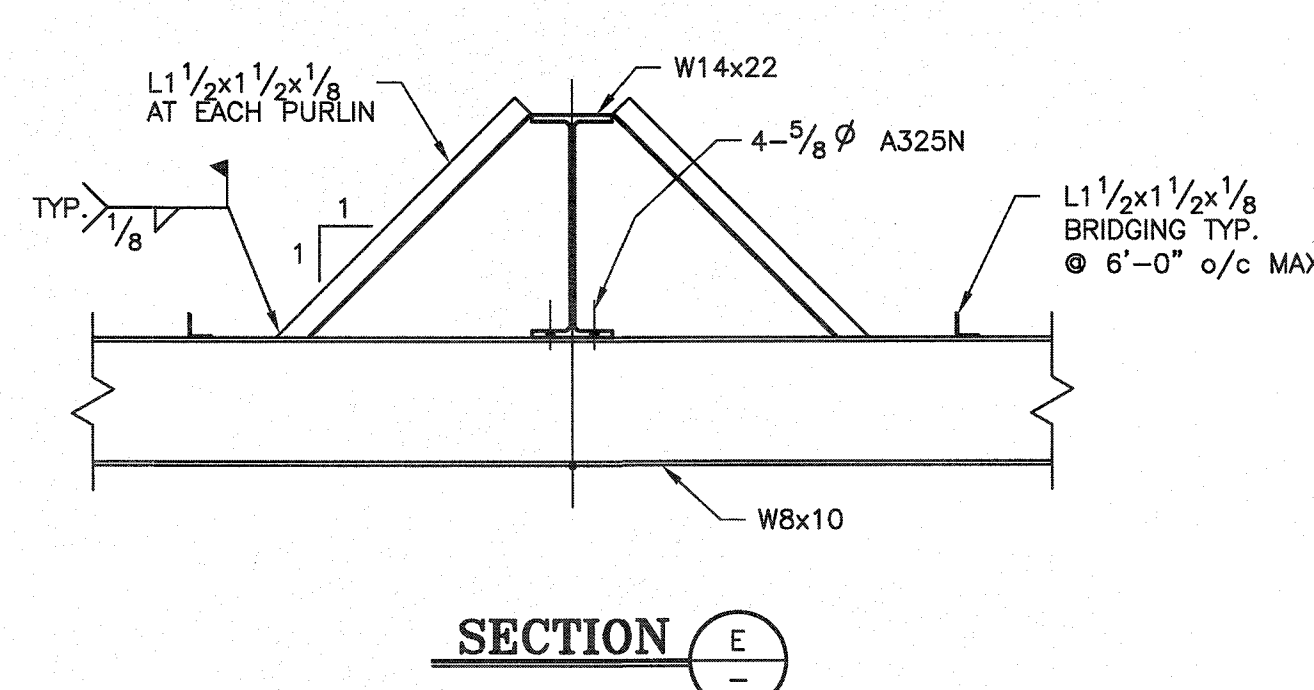
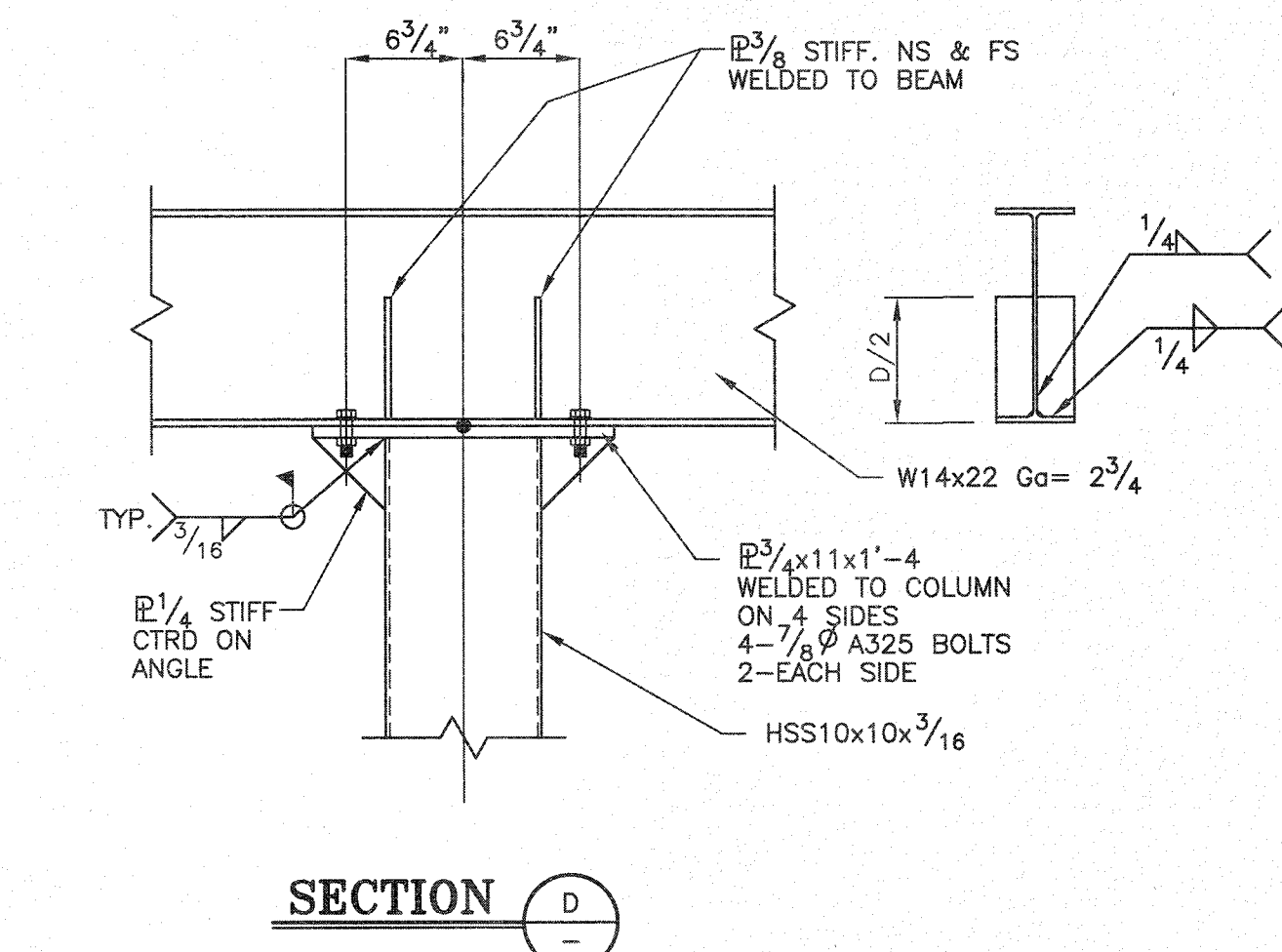
CASE A	1.20(28.37)	.30(7.09)
CASE B	-1.10(-26.01)	-.10(-2.36)

* CLEAR WIND FLOW

NOTES:
1. THESE LOADS HAVE BEEN APPLIED TO STRUCTURE IN ACCORDANCE WITH ASCE 7-10, CHAPTER 2, 2.4.1 BASIC COMBINATIONS FOR ALLOWABLE STRESS
2. THESE STEEL MEMBERS HAVE BEEN SIZED BASED ON ASD, AISC 14th EDITION.
3. ANALYSIS OF THIS STRUCTURE HAS BEEN ACCOMPLISHED USING THE LATEST GENERATION OF MATRIX BASED SOFTWARE.
4. COLUMN SLENDERNESS FACTORS ARE BASED ON CHAPTER C, DIRECT ANALYSIS METHOD.
Kx = 1.0
Kz = 1.0
5. BASES ARE FIXED.

STRUCTURE LOADS		CODE REFERENCE
PARAMETER		IBC 2012 w/ AMENDMENTS
DEAD LOAD	4.0 PSF	1606.1
LIVE LOAD	20.0 PSF (w/ APP. RED.)	1607.12.2.1
SNOW LOAD	5.0 PSF + DRIFTS	ASCE 7-10, PART 7.0
WIND SPEED	115.0 MPH 3 SEC. GUST 25.7 PSF	ASCE 7, PART 26-29
	CATEGORY II lw 1.0 EXP. C	
VERT. ROOF PRESSURE		
Case A Cnw Cnl	Case B Cnw Cnl	ASCE 7, FIG. 27.4-4
1.20(28.37) .30(7.09)	-1.10(-26.01) -.10(-2.36)	
HORIZ. FASCIA PRESSURE		
Case A & B Cfz	Cfx	ASCE 7, FIG. 29.4-1
1.85(47.50)	1.85(47.50)	
SEISMIC DATA		
SEISMIC DESIGN CATEGORY		ASCE 7-10
2 SEC. SPECTRUM RESPONSE, S _s	0.2100	FIG. 22.1
1 SEC. SPECTRUM RESPONSE, S ₁	0.1000	FIG. 22.2
LONG PERIOD TRANSITION PERIOD, T _l	12	FIG. 22.12
RISK CATEGORY		
SEISMIC FACTOR, I _e	1.00	TAB. 1.5-2
SITE COEFFICIENT, F _a	1.60	TAB. 11.4-1
SITE COEFFICIENT, F _v	2.40	TAB. 11.4-2
SITE CLASSIFICATION		
SITE ADJUSTMENT COEFFICIENT, S _{ms}	0.3360	EQ. 11.4-1
SITE ADJUSTMENT COEFFICIENT, S _{m1}	0.2400	EQ. 11.4-2
DESIGN SPECTRAL RESPONSE, S _{DS}	0.2241	EQ. 11.4-3
DESIGN SPECTRAL RESPONSE, S _{D1}	0.1601	EQ. 11.4-4
W, Kips	03.33	12.8
Z X		
SEISMIC RESPONSE COEFFICIENT, C _s	0.1793 0.1793	12.8.1.1
BASIC STRUCTURAL SYSTEM - SEISMIC RESISTING SYSTEM		
ORDINARY MOMENT RESISTING FRAMES/CANTILEVERED. COL.		
RESPONSE MODIFICATION FACTOR, R	1.25 1.25	TAB. 12.2-1
METHOD OF ANALYSIS - EQUIVALENT LATERAL FORCE		
BASE SHEAR, Kips	0.75 0.75	EQ. 12.8-1

PREPARED BY: CARTER-MILLER-SANSING, LTD., P.O.B 4324, MERIDIAN, MS 39304, 601-483-0601



24'x24' CANOPY

MANUFACTURER:
SHADY VENT
4370 DUGGER DR. / POWDER SPRINGS, GA 30127
PHONE: 1-(770) 943-5977

CUSTOMER:

SCALE: NOTED	DRAWN:
DATE:	APPROVED BY:
LOCATION:	REVISED:
DRAWING NO.:	

CERTIFICATION

NO.	DATE:	BY:
1		
2		
3		