

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 1'/FOOT. ELEVATIONS 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 COMPLIES 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 BE ERECT PROPERLY. ANCHOR BOLTS SHALL BE ASTM A307.

CONCRETE:

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

STRUCTURAL STEEL:

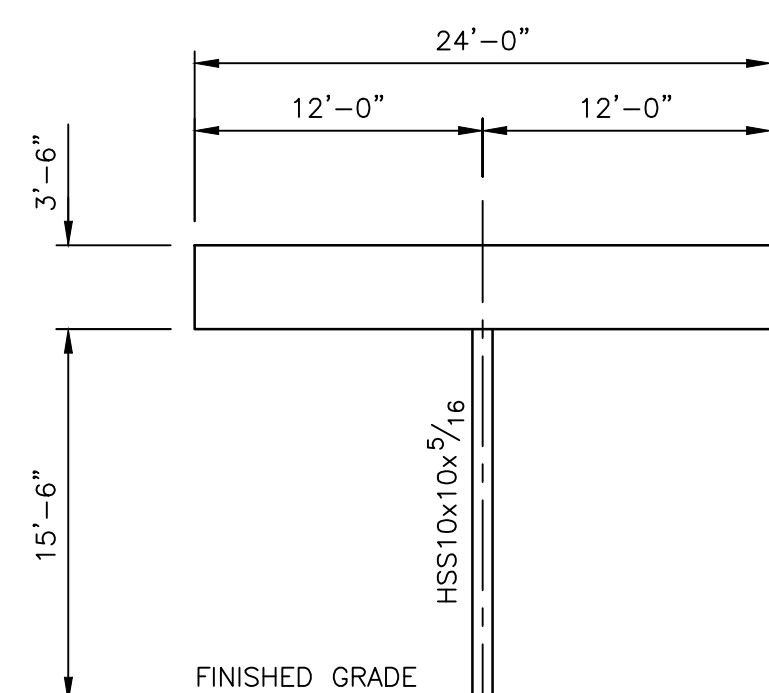
ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A992 AND SHALL BE IN ACCORDANCE WITH THE LATEST AISC SPECIFICATIONS. TUBE STEEL SHALL BE FY 46.0 KSI. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1. PROOF OF WELDERS CERTIFICATION SHALL BE AVAILABLE ON REQUEST. ALL BOLTS SHALL BE IN ACCORDANCE W/ASTM A325.

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.

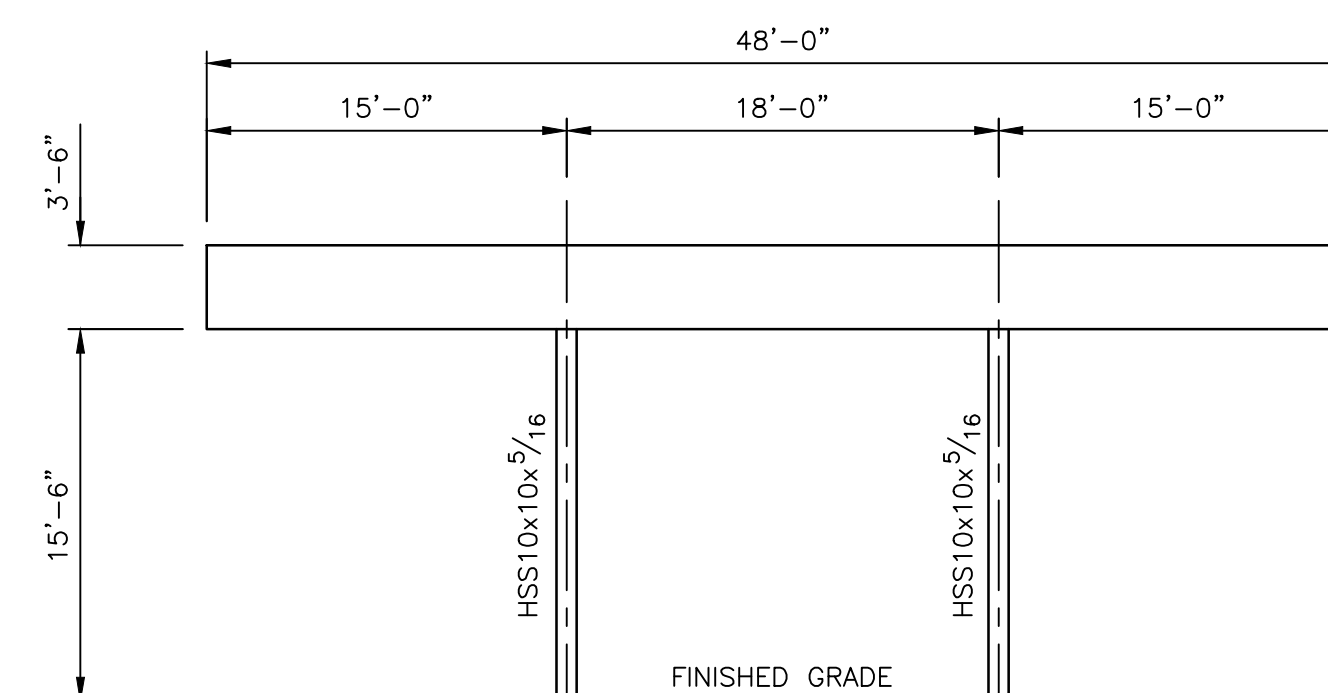
FOUNDATION NOTE:

FOOTINGS PROVIDED BY CUSTOMER. SHADY VENT IS NOT RESPONSIBLE OR LIABLE FOR THE USE OF EXIST. FOOTINGS.



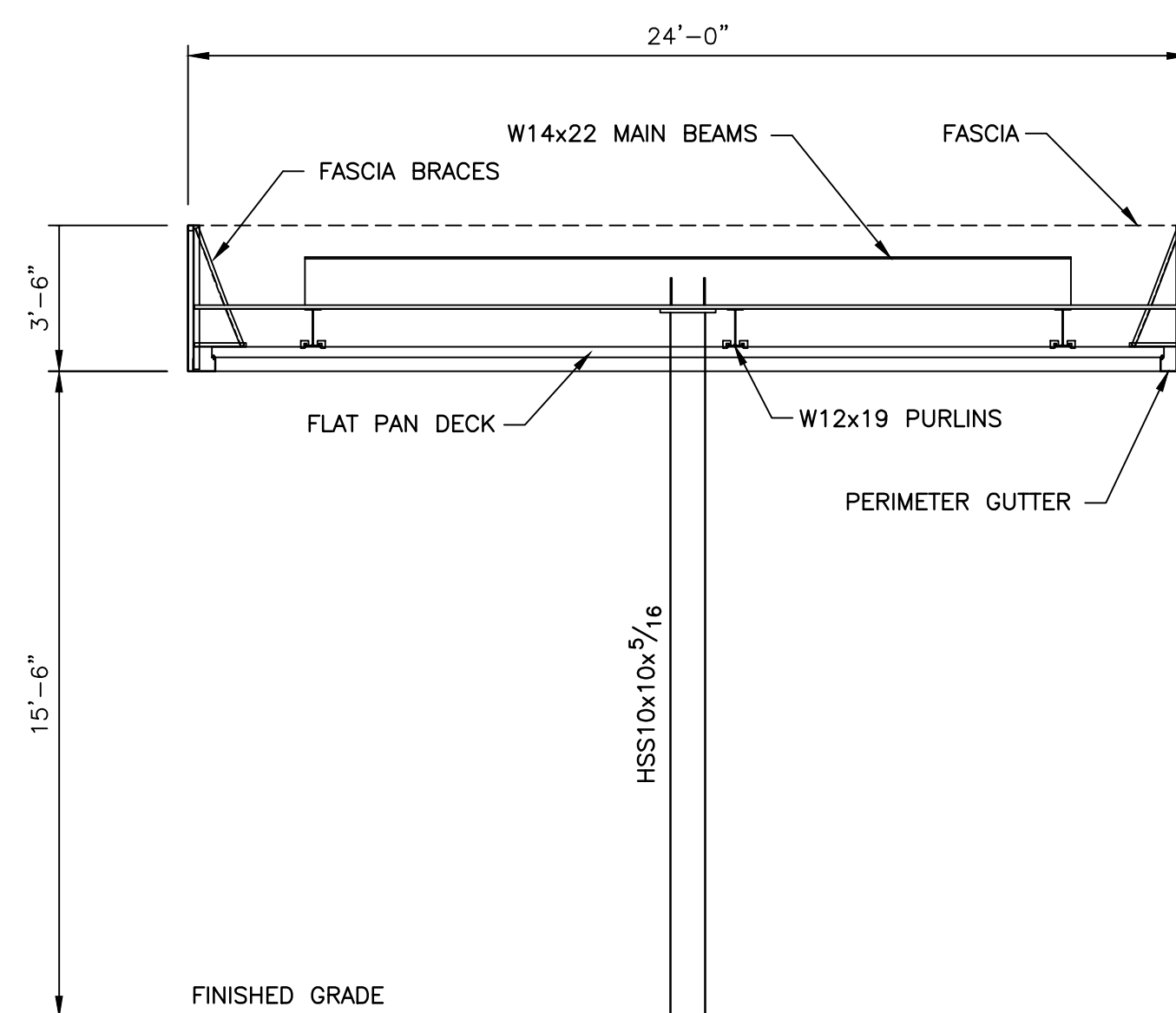
END ELEVATION

SCALE: 1/8" = 1'-0"



SIDE ELEVATION

SCALE: 1/8" = 1'-0"



CROSS SECTION

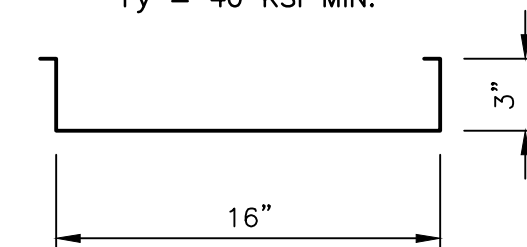
SCALE: 1/4" = 1'-0"

FASCIA TO BE 3mm A.C.M. AROUND ENTIRE CANOPY

DECK TO BE P-16 20 GA

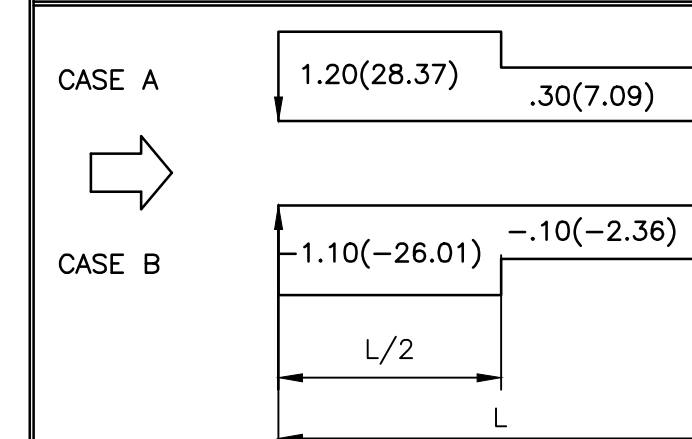
TYPICAL BRIDGING L1 1/2x1 1/2x 1/8

P-16 20 GA. STEEL Fy = 40 KSI MIN.



DECK PANEL PROFILE

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



* 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

PARAMETER		CODE REFERENCE
		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
	CATEGORY II	lw 1.0 EXP. C
VERT. ROOF PRESSURE		
Case A	Cnw Cnl	Case B Cnw Cnl
1.20(28.37)	.30(7.09)	-1.10(-26.01) -.10(-2.36)
HORIZ. FASCIA PRESSURE		
Case A & B	Cfx Cfy	ASCE 7, FIG. 29.4-1
	1.87(47.98) 1.83(47.01)	
SEISMIC DATA		
SEISMIC DESIGN CATEGORY	.2 SEC. SPECTRUM RESPONSE, Ss	0.2300 FIG. 22.1
TAB. 11.6(1)(2)	1 SEC. SPECTRUM RESPONSE, S1	12.0000 FIG. 22.2
C	LONG PERIOD TRANSITION PERIOD, TI	12 FIG. 22-12
	RISK CATEGORY	II TAB. 1.5-1
	SEISMIC FACTOR, Ie	1.00 TAB. 1.5-2
	SITE COEFFICIENT, Fa	1.60 TAB. 11.4-1
	SITE COEFFICIENT, Fv	2.40 TAB. 11.4-2
	SITE CLASSIFICATION	D TAB. 20.3-1
	SITE ADJUSTMENT COEFFICIENT, Sms	0.3680 EQ. 11.4-1
	SITE ADJUSTMENT COEFFICIENT, Sm1	0.2400 EQ. 11.4-2
	DESIGN SPECTRAL RESPONSE, SDS	0.2455 EQ. 11.4-3
	DESIGN SPECTRAL RESPONSE, SD1	0.1601 EQ. 11.4-4
	W, Kips	07.14 12.8
	Z X	
	0.1964 0.1964	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	V=C&W 12.8
	BASE SHEAR, Kips	1.75 1.75 EQ. 12.8-1

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

24'x48' CANOPY

MANUFACTURER:

CUSTOMER: **KWIK STOP**

SCALE: NOTED

DATE: APPROVED BY: DRAWN: REVISED:

LOCATION:

DRAWING NO:

NO.	DATE:	BY:
1		
2		
3		

CARTER MILLER ASSOCIATES: DATE:

CERTIFICATION