BURGER KING
S 781 & SC HWY 125
Beech Island, SC 29842

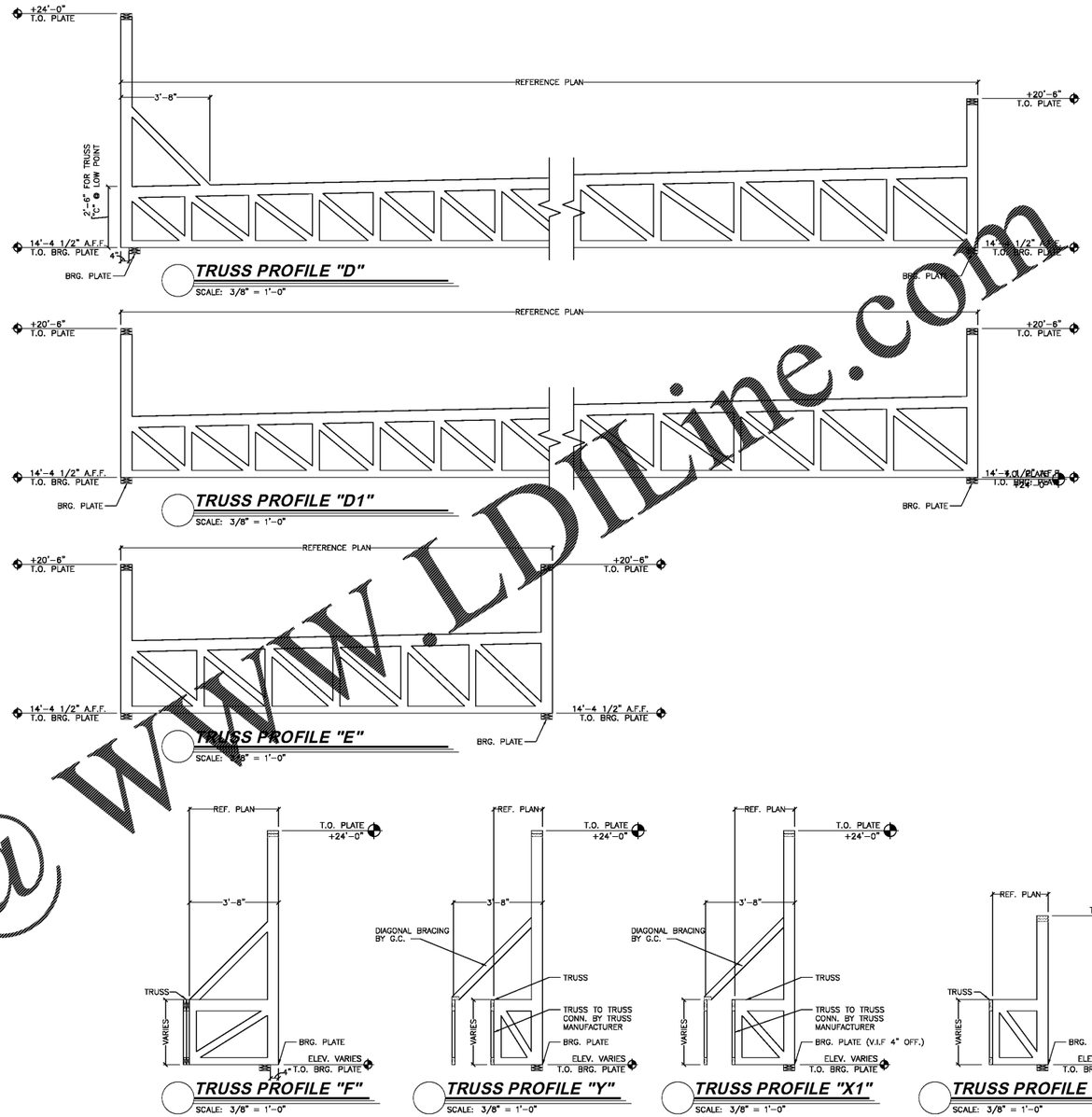
Design Loads per IBC 2012:
Floor Live = 100 psf
Floor Dead = 50 psf
Roof Top Chord Live = 20 psf
Roof Bottom Chord Live = 0 psf
Roof Top Chord Dead = 10 psf + HVAC load
Roof Bottom Chord Dead = 15 psf

Snow load data:
P_g = 5 psf
C_s = .9
I_s = 1.0
C_t = 1.0

Wind design data:
V_{ult} = 115 psf
V_{asd} = 90 psf
Risk category = II
Internal pressure coef. = .18/-.18
Component and cladding loads

	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
10 sqft	9.7/-23.8	9.7/-39.9	9.7/-60.1	23.8/-25.8	23.8/-31.9
20 sqft	9.1/-23.2	9.1/-35.7	9.1/-49.8	22.7/-24.7	22.7/-29.7
50 sqft	8.3/-22.4	8.3/-30.1	8.3/-36.1	21.3/-23.3	21.3/-26.9
100 sqft	7.7/-21.8	7.7/-25.8	7.7/-25.8	20.2/-22.2	20.2/-24.7
500 sqft				17.7/-19.8	17.7/-19.8

Seismic design data:
Risk category = II
I_e = 1.0
S_s = .305 g
S_1 = .116 g
Site class = D
S_{ds} = .317 g
S_{d1} = .181 g
Design category = C



Order Plans @ WWW.LDTLine.com

B1931

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SC HWY. S-781 & SC HWY. 125
BEECH ISLAND, SC 29842

PROJECT: B1931
DATE: 07/22/2019

BURGER KING RESTAURANT
#026-20-03-003

STRUCTURAL TRUSS ELEVATIONS AND DESIGN LOADS

S-3.1