



**PAD FOOTING SCHEDULE**

MARK	SIZE	DEPTH	REIN. EACH WAY	REMARKS
F4	4'-0" x 4'-0"	12"	5 #5 BOT.	SOIL AT UNDERSIDE OF FOOTINGS SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL CONSULTANT PRIOR TO POURING OF FOOTINGS.
F8	8'-0" x 8'-0"	18"	7 #7 BOT.	

**WALL FOOTING SCHEDULE**

MARK	SIZE	CONT. REINFORCING	TRANSVERSE	REMARKS
W30	2'-0" x 12"	4 #5 BARS	#5 @ 4'-0" O.C.	REPLACE WALL FOOTING SHOWN IN S-1 SHEET.

**SOIL BEARING PRESSURE (USED FOR DESIGN)**

SOIL BEARING PRESSURE (USED FOR DESIGN)	2000 PSF
ROOF LIVE LOAD	30 PSF
ROOF DEAD LOAD	20 PSF
CONCRETE STRENGTH (F8 DAYS)	3000 PSI
STRUCTURAL STEEL BEAMS	A514M A992
STEEL SHAPES, EXCEPT BEAMS	A514M A992
REINFORCING STEEL	A514M A992 OR 60 MASONRY DESIGN STRENGTH
WIND PRESSURE, PER ASCE 7-10	
EXPOSURE CATEGORY	II
WIND SPEED, V(10) (MPH)	125 MPH (49.7)
WIND DIRECTION	CATEGORY II
INTERNAL PRESSURE COEFFICIENTS (ENCLOSED BLDG)	-0.18 / 0.18

**SEISMIC DESIGN CRITERIA**

RISK CATEGORY	II
SUBSEQUENT SITE CLASS.	C
SEISMIC IMPORTANCE FACTOR	1.0
ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE	
BUILDING FRAME SYSTEM WITH: REIN. MASONRY WALLS	
RESPONSE MODIFICATION FACTOR	1.4
SEISMIC DESIGN CATEGORY	C
DESIGN BASE SHEAR	171 KIIPS

**ROOF SNOW LOAD**

FACTORS:  $C_e = 1.0$ ;  $C_d = 1.0$ ;  $C_t = 1.0$   
 DESIGN SNOW LOAD:  $P_g = 10$  PSF  
 SOIL BEARING PRESSURE - 2000 PSF AS PER SURFACE INVESTIGATION BY TERRACON DATED OCTOBER 25, 2016 (FIELD NO. 1001)  
 \* RECOMMEND SLAB SUB-BASE PER REPORT ON ADJACENT FILL

- FOUNDATION AND FRAMING PLAN NOTES:**
- DATUM ELEVATION: 0'-0" (SEE S-1 FOR NEAD ELEVATION UNLESS NOTED OTHERWISE)
  - TOP OF FOOTINGS IS AT ELEVATION 0'-0" BELOW FINISHED FLOOR FINISH EXCEPT AS NOTED TO THE CONTRARY
  - CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTHS AT 28 DAYS: FOOTINGS: FILLER BLOCKS: BEAMS: WITH LAYOUT: 4000 PSI (4000 PSI)
  - SLAB ON GRADE TO PROVIDE 4" MIN. THICK REINFORCING WITH LAYOUT: 4000 PSI (4000 PSI)
  - MAXIMUM GRID MAKE UP SHALL BE 1/4" OVER FINISH FLOOR FINISH
  - SOIL AT THE UNDERSIDE OF FOOTINGS SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL CONSULTANT PRIOR TO POURING OF FOOTINGS.
  - FLOR DESIGN LIVE LOADS: PER PER CODE
  - PROVIDE BRIDGING FOR ALL CONNECTIONS ACCORDING TO AISC STANDARDS.
  - SHIRT SHOP AND ERECTION DRAWINGS FOR ALL STEEL FRAMING FOR REVIEW BY THE ENGINEER OF RECORD PRIOR TO FABRICATION OR ERECTION.
  - APPROVAL MUST BE OBTAINED FROM THE ENGINEER OF RECORD FOR ALL OPENINGS OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS.
  - SEE S-1 FOR CONNECTIONS AND TYPICAL DETAILS ON SHEET S-7 FOR MORE INFORMATION.

**BEAM SCHEDULE**

BEAM	ELEV. TOP OF BEAM	SIZE (WxD)	REINFORCING TOP BOT	STIRRUPS	TIES	REMARKS
FB-1	12'-0"	12"x24"	2#5			MASONRY OR PRECAST
FB-2	12'-0"	12"x24"	2#5			MASONRY OR PRECAST
FB-3	12'-0"	12"x24"	2#5			MASONRY OR PRECAST
FB-4	12'-0"	12"x24"	2#5			MASONRY OR PRECAST
FB-5	12'-0"	8"x18"	2#5			K.D. BLOCK COURSE (x2)
FB-6	12'-0"	12"x18"	2#5			K.D. BLOCK COURSE
FB-7	12'-0"	12"x18"	2#5			K.D. BLOCK COURSE
FB-8	12'-0"	12"x24"	2#5			K.D. BLOCK COURSE (x3)
FB-9	12'-0"	12"x18"	2#5			K.D. BLOCK COURSE
FB-10	12'-0"	12"x18"	2#5			MASONRY (SPLIT FACE)
FB-11	12'-0"	12"x18"	2#5			MASONRY (SPLIT FACE) @ DRIVE-THRU

**OPENING DESIGN PRESSURES (PSF)**

OPENING MARK	DESIGN WIND SPEED
(1)	125 MPH
(2)	125 MPH
(3)	125 MPH
(4)	125 MPH

NOTE: OPENINGS START AT FRONT LEFT SIDE AND GO TO THE RIGHT.  
 PRESSURES SHOWN ARE ULTIMATE LOADS. MULTIPLY PRESSURES BY 0.6 FOR WIND LOAD RESISTANCE TESTING.

**3 ROOF FRAMING PLAN**  
 FS-1 SCALE: 1/8"=1'-0"  
 JOISTS AND DECKING WILL BE PROVIDED BY PUBlix. SEE SPECS.

□ - 31 PSF  
 ■ - 37 PSF

COMPONENT AND CLADDING CANOPY UPLIFT PRESSURES

PRESSURES SHOWN ARE ULTIMATE LOADS FOR ALLOWABLE LOADS. MULTIPLY THESE PRESSURES BY 0.6 FOR WIND RESISTANCE TESTING. (SEE NOTES)

DATE: 25 AUG 2017

REVISION DATA:

1637  
 PUBlix @ LAKE CROSSING  
 PLATT SPRINGS RD & HWY 6  
 LEXINGTON, LEXINGTON, SC

45.92  
 08/21/2017  
 SIENNA-LITE

FACADE STRUCTURAL PLANS

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

FS-1

Order Plans @