



THIS STRUCTURE IS DESIGNED AS A STABLE UNIT AFTER ALL COMPONENT PARTS ARE IN PLACE. THE ERECTOR SHALL PROVIDE ALL NECESSARY SHORING AND BRACING, AS REQUIRED, TO INSURE STABILITY DURING ERECTION.

ALL 12" CMU EXTERIOR WALLS ARE SHEARWALLS AND ARE PART OF THE MAIN WIND FORCE RESISTING SYSTEM.

PUBLIX FINISH FLOOR ELEVATION - 0'-0" = +415.0'

DESIGN CRITERIA	
SOIL BEARING PRESSURE (USED FOR DESIGN)	2000 PSF
ROOF LIVE LOAD	30 PSF
ROOF DEAD LOAD	20 PSF
CONCRETE STRENGTH (28 DAY)	3000 PSF
STRUCTURAL STEEL BEAMS	ASTM A36
STEEL SHIPS EXCEPT BEAMS	ASTM A36
REINFORCING STEEL	ASTM A618, OR EQ.
MASONRY DESIGN STRENGTH	F _m = 1500 PSI
WIND PRESSURE, PER ASCE 7-10:	
EXPOSURE CATEGORY	C
WIND SPEED, V _{REF} (mph)	125 MPH (BT)
RISK CATEGORY	II
INTERNAL PRESSURE COEFFICIENTS (ENCLOSED BLDG)	-0.18/-0.18
SEISMIC DESIGN CRITERIA:	
RISK CATEGORY	II
SUBSURFACE SITE CLASS	C
SEISMIC IMPORTANCE FACTOR	1.0
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
BUILDING FRAME SYSTEM INTER. BEING WALL SHEARWALLS	
RESPONSE MODIFICATION FACTOR	1.4
SEISMIC DESIGN CATEGORY	C
DESIGN BASE SHEAR	137 KIPS
ROOF SNOW LOAD:	
FACTORS C _s =1.0, I _s =1.0, C _e =1.0	
GROUND SNOW LOAD, P _g	10 PSF
SOIL BEARING PRESSURE - 2000 PSF AS PER SUBSURFACE INVESTIGATION BY TERRACON (DATED 02/07/15, 02/06/16, 02/08/16)	
RECOMMENDED SLAB SUB-BASE PER REPORT - COMPACTED FILL	

COLUMN SCHEDULE			
MARK	SIZE	BASE PLATE	ANCHOR BOLTS (EMBEDMENT)
C1	HSS 7 x 7 x 1/4	B1	(4) 1"Ø (12")
C2	HSS 7 x 7 x 3/8	B2	(6) 1"Ø (12")
C3	HSS 6 x 6 x 1/4	B3	(4) 1"Ø (12")
C4	HSS 6 x 6 x 3/8	B4	(4) 1"Ø (12")
C5	HSS 6 x 6 x 1/4	B5	(4) 3/4"Ø (10")
MARK	SIZE	REINFORCEMENT	REMARKS
C6	12" x 24"	2 #5 VERT. (I.E.F.) IN 3 FILLED CELLS.	TOP/COL. - TOP/WALL
C7	12" x 32"	2 #5 VERT. (I.E.F.) IN 4 FILLED CELLS.	TOP/COL. - TOP/WALL

- NOTES:**
- INSTALL CD #5 VERT. BARS (I.E.F.) ON EACH FACE OF CELL IN CONC. FILLED 12" DIA. AT 48" O.C. (MAX) AND AT EACH SIDE OF OPENINGS, CORNERS AND CONTROL JOINTS. SEE DETAIL 10/27 FOR LEFT HEIGHTS AND LAP LENGTHS. ALSO, SEE DETAIL 4/37.
 - CONTRACTOR MUST COORDINATE THESE STRUCTURAL DRAWINGS WITH SHOPPING CENTER ARCHITECTURAL AND STRUCTURAL DRAWINGS. ADDITIONAL FOOTINGS AND FILLED CELLS MAY BE REQUIRED.
 - TYPICAL TOP OF FOOTING ELEVATION ARE RELATIVE TO FIN FLOOR ELEVATION OF 0'-0" (A.S.M.). COORDINATE STEP LOCATIONS WITH SUPPLEMENTAL DIMS BY SHOPPING CENTER ARCH. SET 5'-0" FOR STEPS IN WALL FOOTINGS.
 - SEE DETAIL 1/5-4 FOR MODIFICATIONS TO MASONRY WALLS FOR BUILDINGS IN SEISMIC DESIGN CATEGORIES "C" OR "D".
 - SEE SHEET S-7 FOR FOOTING SCHEDULE. FOOTING FACE AND FOOTINGS ARE CENTERED ON COLUMN LOCATIONS (UNLESS).
 - SOIL AT UNDERSIDE OF FOOTINGS SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL CONSULTANT PRIOR TO POURING OF FOOTINGS.
 - SEE SHEET A-1 FOR DOOR/OPENING DESIGN PRESSURES.
 - THIS BUILDING MUST BE INSPECTED BY A SPECIAL INSPECTOR FOR THE LIST OF SPECIAL INSPECTIONS ON SHEET S-10.
 - MASONRY CONTROL JOINT PER DETAIL 1/5-2. SEE PLAN AND ELEVATIONS FOR APPROXIMATE LOCATIONS.

COORDINATE WITH SHOPPING CENTER DRAWINGS FOR FACADE AND ADJACENT RETAIL REQUIREMENTS.

PLOT DATE:
25 AUG 2017

REVISION DATA:

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

45.9.2
08/17/2017
SIENNA - LITE

FOUNDATION PLAN

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

S-1

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