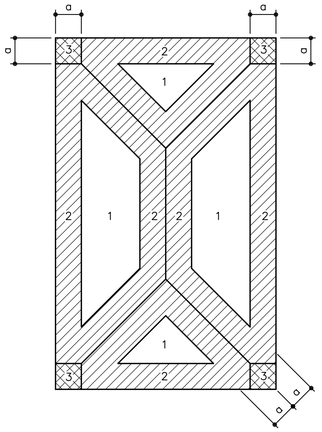


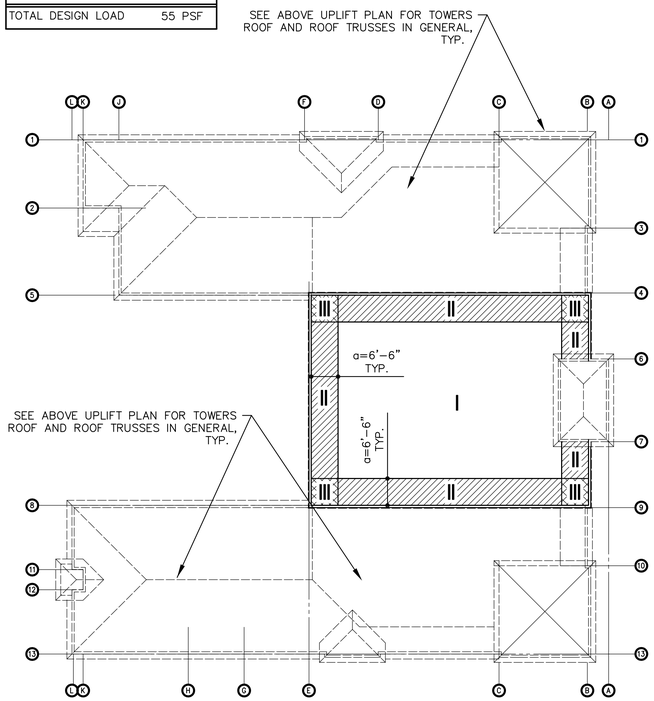
METAL TRUSSES ROOF UPLIFT PLAN

ZONE	JOIST AND GIRDERS W/O OVERHANG	JOIST AND GIRDERS AT OVERHANG	ROOFING W/O OVERHANG	ROOFING AT OVERHANG
1	−23.2 PSF	NA	−38.8 PSF	NA
2	−37.6 PSF	−55.1 PSF	−67.6 PSF	−69.1 PSF
3	−37.6 PSF	−55.1 PSF	−75.2 PSF	−79.1 PSF

* NET UPLIFT BASED ON 100 SF – SEE ROOF DESIGN LOADS FOR ASCE 7-10 DESIGN PARAMETERS; a=3'-0"

TOWERS ROOF LOADS

DEAD LOAD	25 PSF
LIVE LOAD	30 PSF
TOTAL DESIGN LOAD	55 PSF



BLDG. ROOF UPLIFT PLAN

ZONE	JOISTS & GIRDERS *	ROOFING
I	−23.5 PSF	−38.8 PSF
II	−30.0 PSF	−53.3 PSF
III	−30.0 PSF	−64.8 PSF

* NET UPLIFT (ALLOWABLE) BASED ON 100 SF – SEE ROOF DESIGN LOADS FOR ASCE 7-10 DESIGN PARAMETERS; a=6'-6"

ROOF DESIGN LOADS

TOP CHORD LIVE LOAD	TOP CHORD DEAD LOAD	BOTTOM CHORD DEAD LOAD
30 PSF	25 PSF	5 PSF

TRUSS CONNECTION SCHEDULE

MARK	LOCATION	NOTES	WELD SIZE	REACTION(#)	NET UPLIFT REQUIRED (#)	UPLIFT PROVIDED (#)
TR1*	STL. BEAM	AT TOP FLANGE	1/8"x1.5" WELD EA. SIDE	1800	−1560	−1827
	CMU WALL	AT STL. PLATE	1/8"x1.5" WELD EA. SIDE	1800	−1560	−1827
TR2*	CMU WALL	AT STL. PLATE	1/8"x2.5" WELD EA. SIDE	2750	−2400	−3045
TR3*	CMU WALL	AT STL. PLATE	1/8"x2.5" WELD EA. SIDE	2750	−2400	−3045
JTR1*	STL. BEAM	AT TOP FLANGE	1/8"x1.0" WELD EA. SIDE	370	−620	−1218
	CMU WALL	AT STL. PLATE	1/8"x1" WELD EA. SIDE	370	−620	−1218
JTR4*	STL. BEAM	AT TOP FLANGE	1/8"x1" WELD EA. SIDE	450	−750	−1218
	CMU WALL	AT STL. PLATE	1/8"x1" WELD EA. SIDE	450	−750	−1218
JTR5*	STL. BEAM	AT TOP FLANGE	1/8"x1" WELD EA. SIDE	600	−800	−1218
	CMU WALL	AT STL. PLATE	1/8"x1" WELD EA. SIDE	600	−800	−1218
JTR6*	STL. BEAM	AT TOP FLANGE	1/8"x2" WELD EA. SIDE	1560	−1900	−2436
	CMU WALL	AT STL. PLATE	1/8"x2" WELD EA. SIDE	1560	−1900	−2436
JTR7*	STL. BEAM	AT TOP FLANGE	1/8"x1.5" WELD EA. SIDE	1170	−1430	−1830
	CMU WALL	AT STL. PLATE	1/8"x1.5" WELD EA. SIDE	1170	−1430	−1830
HTR1*	STL. BEAM	AT TOP FLANGE	1/8"x1.5" WELD EA. SIDE	1320	−1200	−1827
	CMU WALL	AT STL. PLATE	1/8"x2" WELD EA. SIDE	1320	−1200	−2436
GTR1*	STL. BEAM	AT TOP FLANGE	1/8"x2" WELD EA. SIDE	2500	−1750	−2436
	CMU WALL	AT STL. PLATE	1/8"x2" WELD EA. SIDE	2500	−1750	−2436
GTR2*	CMU WALL	AT STL. PLATE	1/8"x3" WELD EA. SIDE	4500	−3300	−3654
GTR3*	CMU WALL	AT STL. PLATE	1/8"x3" WELD EA. SIDE	1500	−1100	−1830
GTR4*	CMU WALL	AT STL. PLATE	1/8"x3" WELD EA. SIDE	3900	−2750	−3654

*AREAS WHERE TRUSSES WELD TO SUPPORTS MUST BE 18 GA MINIMUM.

NOTE: JTR2 AND JTR3 NOT USED

FOUNDATION SCHEDULE

MARK	SIZE (L x W x D)	REINFORCING LONGITUDINAL	REINFORCING TRANSV.	REMARKS
F1	11'-10"x10'-4"x1'-6"	(12) #6 T & B	(14) #6 T & B	ELEVATOR FTG.
F2	11'-0"x8'-6"x2'-0"	(12) #6 T & B	(16) #6 T & B	PAD FTG.
F26	2'-6"x2-6"x1'-0"	(4) #5 BOTT	(4) #5 BOTT	PAD FTG.
F40	4'-0"x4'-0"x1'-0"	(6) #5 BOTT	(6) #5 BOTT	PAD FTG.
F86	8'-6"x8'-6"x2'-0"	(12) #6 BOTT	(12) #6 BOTT	PAD FTG.
WF20	CONT. x2'-0"x1'-0"	(3) #5 CONT BOTT	#5/14 BOTTOM	WALL FTG
WF30	CONT. x3'-0"x1'-0"	(4) #5 CONT BOTT	#5/12 BOTTOM	WALL FTG
WF40	CONT. x4'-0"x1'-0"	(5) #5 CONT BOTT	#5/12 BOTTOM	WALL FTG
TDS	CONT. x1'-0"x1'-0"	(2) #5 BOTT		TURNED DOWN SLAB

DESIGN INFORMATION:

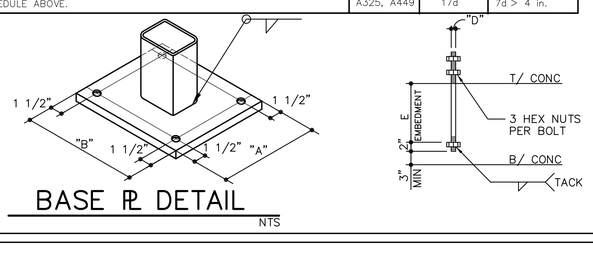
NET ALLOWABLE SOIL BEARING PRESSURE = 2500 PSF

COLUMN / BASE PLATE SCHEDULE

COLUMN MARK	COLUMN SIZE	BASE PLATE A	B	T	ANCHOR BOLT E	D	CAP PLATE	REMARKS
C1	HSS 6 x 4 x 1/4"	12"	12"	3/4"	19"	3/4"	3/4"	
C2	HSS 4 x 4 x 3/8"	8"	8"	5/8"			→	SEE SECTION 2/S4.4
C3	HSS 8 x 8 x 3/8"	14"	14"	1"	18"	3/4"	1/4"	T/COL. EL.=14'-8"

NOTE:
ANCHOR BOLTS SHALL BE ASTM A36 (UNO) THREADED EACH END WITH NUT AT BOTTOM, TACK WELDED SECURE; PLATE WASHER AT BOTTOM NUT SHALL NOT BE REQUIRED. CONFORM TO CHART @ RIGHT FOR EMBEDMENT, UNLESS NOTED OTHERWISE IN SCHEDULE ABOVE.

BOLT TYPE, TYPE MATERIAL	MINIMUM EMBEDDED LENGTH	MINIMUM EMBEDDED EDGE DISTANCE
A307, A36	12d	5d > 4 in.
A325, A449	17d	7d > 4 in.



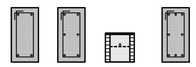
BASE PL DETAIL

NTS

CONCRETE TIE AND BOND BEAM SCHEDULE

MARK	TYPE	T/BEAM ELEV.	NOMINAL SIZE (W" X D")	REINFORCING BOTTOM	TOP	MIDDLE	OTHER	STIRRUPS SIZE	SPACING	COMMENTS
TB201	2	+15'-2"	8x34	(2)#6	(2)#6	(2)#6		#3	AT 18" O.C.	TIE BEAM
TB201A	2	+15'-2"	12x32	(2)#6	(2)#6	(2)#6		#3	AT 8" O.C.	TIE BEAM
TB202	1	+14'-0"	8x24	(2)#6	(2)#6			#3	AT 18" O.C.	TIE BEAM
TB203	2	+16'-0"	8x48	(2)#6	(2)#6	(2)#6		#3	AT 18" O.C.	TIE BEAM
TB204	1	+18'-0"	8x24	(2)#6	(2)#6			#3	AT 18" O.C.	TIE BEAM
TB205	1	+15'-2"	8x30	(2)#6	(2)#6			#3	AT 18" O.C.	TIE BEAM
TB206	1	+15'-2"	8x18	(2)#6	(2)#6			#3	AT 18" O.C.	TIE BEAM
TB301	1	+33'-0"	8x16	(2)#6	(2)#6			#3	AT 12" O.C.	TIE BEAM
TB301A	1	+33'-0"	12x16	(2)#6	(2)#6			#3	AT 12" O.C.	TIE BEAM
TB302	1	+28'-0"	8x18	(2)#6	(2)#6			#3	AT 18" O.C.	#3 AT 8" O.C. AT OPENINGS
TB302A	2	+28'-0"	12x32	(2)#6	(2)#6	(2)#6		#3	AT 18" O.C.	TIE BEAM
BB301	3	+31'-0"	8x8			(1)#7				BOND BEAM

TYPES



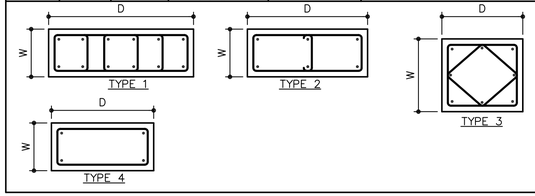
NOTE:
"BB" = BOND BEAM (COMPOSED OF KNOCK-OUT BLOCK)
"CB" = CONCRETE BEAM (FORMED & POURED)
"TB" = TIE BEAM (FORMED & POURED ON CMU)

STAIRS DESIGN LOADS

SYSTEM WEIGHT:	50 PSF
LIVE LOAD:	100 PSF

CONCRETE TIE-COLUMN SCHEDULE

MARK	TYPE	SIZE (W X D)	VERTICALS	#3 TIES U.N.O.	REMARKS
CC1	1	10"x48"	(12) #8	#4 @ 4" O.C.	T/COL. SEE SECTION 2/S4.2
CC2	3	16"x16"	(8) #6	@ 12" O.C.	T/COL.=TRUSS BRG. EL.
CC3	2	12"x16"	(6) #6	@ 8" O.C.	T/COL.=TRUSS BRG. EL.
CC4	2	8"x16"	(6) #6	@ 8" O.C.	T/COL.=TRUSS BRG. EL.
CC5	4	8"x12"	(4) #6	@ 8" O.C.	T/COL.=TRUSS BRG. EL.
CC6	4	8"x12"	(4) #6	@ 8" O.C.	T/COL.=14'-8"



FOLDING PARTITION LOAD PER MODERN FOLD		
ROOM #	PANEL HEIGHT	TOTAL WEIGHT
127	12'-0"	5,500 LBS

LIVE LOAD REDUCTIONS BASED ON F.B.C. SECTION 1607.10.1 WITH MAX.:

FOOTINGS:	30%
COLUMNS:	30%
GIRDERS:	20%

FLOOR DESIGN LOADS

SYSTEM WEIGHT:	65 PSF
LIVE LOAD:	80 PSF
MISC.:	20 PSF

8" MASONRY WALLS (ONE STORY):

1. DENOTES #5 IN GROUT FILLED CELLS AT ENDS, CORNERS, INTERSECTIONS AND AS SHOWN ON PLAN. SPACED NO GREATER THAN 48" O.C. U.N.O. IN PLAN.

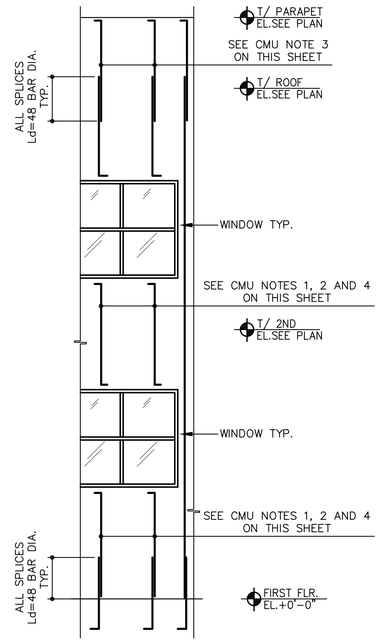
8" MASONRY WALLS (FRONT TOWERS AND TWO STORIES):

2. DENOTES #6 IN GROUT FILLED CELLS AT ENDS, CORNERS, INTERSECTIONS AND AS SHOWN ON PLAN. SPACED NO GREATER THAN 48" O.C. U.N.O. IN PLAN.

8" MASONRY WALLS (PARAPET):

3. DENOTES #6 IN GROUT FILLED CELLS AT ENDS, CORNERS, INTERSECTIONS AND AS SHOWN ON PLAN. SPACED NO GREATER THAN 24" O.C. U.N.O. IN PLAN.

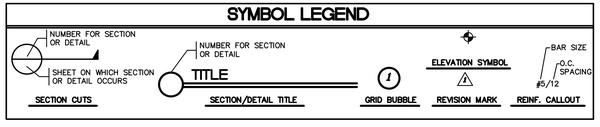
4. 12" MASONRY WALLS:
DENOTES #6 IN GROUT FILLED CELLS AT ENDS, CORNERS, INTERSECTIONS AND AS SHOWN ON PLAN. SPACED NO GREATER THAN 40" O.C. U.N.O. IN PLAN.

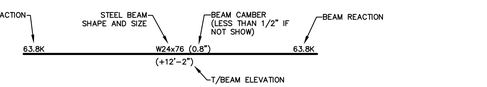


1 ELEV. FILLED CELLS

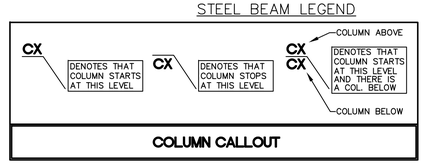
SCALE: N.T.S

SYMBOL LEGEND





STEEL BEAM LEGEND



COLUMN CALLOUT

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Keith M. Spina # AR13419

New Building For:
OPPORTUNITY INC.
EARLY LEARNING CENTER
4171 Westgate Avenue
Palm Beach County, Florida

sheet title: STR. NOTES AND SHCEDULES
file name:

revisions:

project no: 16024
date: 09/09/16
drawn by: S.G.
checked by: P.S.

S1.1

09.09.16 BID/PERMIT