



CAISSON FOOTING (CF) SCHEDULE								
<div><div>3" CLR TO TIES</div><div>TIES</div><div>VERTICAL REINFORCING</div><div>3" CLR TO TIES</div></div> <div>4 BAR REINFORCING</div> <div>GREATER THAN 4 BAR REINFORCING</div>								
MARK	SHAFT DIAMETER	CAISSON DEPTH	TOTAL VERTICAL AT TOP	FULL LENGTH VERTICAL	ADD'L TOP VERTICAL**	TIES	** MAX DOWNWARD CAPACITY	REMARKS
CF1	4'-0"	15'-0"	7#10	7#10	0	#3@18" O.C.	375k	GRAVITY
CF2	4'-0"	28'-0"	7#10	7#10	0	#3@18" O.C.	1000k	GRAVITY
CF3	4'-0"	35'-0"	14#10	7#10	7#10	#4@12" O.C.	1307k	LATERAL
CF4	4'-0"	40'-0"	14#10	7#10	7#10	#4@12" O.C.	1530k	LATERAL
CF5	5'-0"	40'-0"	18#11	9#11	9#11	#4@12" O.C.	2075k	LATERAL
CF6	6'-0"	40'-0"	13#11	13#11	0	#3@18" O.C.	2500k	GRAVITY
CF7	4'-0"	35'-0"	7#10	7#10	0	#3@18" O.C.	1307k	GRAVITY
CF8	4'-0"	25'-0"	14#10	7#10	7#10	#3@16" O.C.	850k	LATERAL

- FOUNDATION KEYNOTES:**
- 18" DEEP x 12" WIDE TURNDOWN AT ENTIRE BUILDING SLAB ON GRADE PERIMETER PER SOILS REPORT - TYPICAL.
 - 16" MAT FOOTING W/ #6 AT 8" E.W. BOTTOM AND #5 AT 12" E.W. TOP.
 - 2'-0"x12" CONT. WALL FOOTING - TYPICAL.
 - 8" CMU WALL.
 - CONCRETE C.J.'S AT 15'-0" MAX SPACING - TYPICAL.
 - 12" EXPANSION JOINT.
 - 12" CMU WALL.
 - 2 HR FIRE SEPARATION WALL.
 - 4" BUILDING EXPANSION JOINT. PROVIDE 1/2" EXPANSION JOINT MATERIAL AT S.O.G. PER DETAIL 105-TYP.
 - 5" EXPANSION JOINT.
 - 8" CMU INFILL, TYP.
 - 16" CONCRETE SHEAR WALL.
 - 24"x48" CONC. PIER.
 - 3" N.W. CONCRETE W/ #6 @ W2.8W2.3 W.W.F. OVER 3"x18 GA. METAL DECK. (R' TOTAL).
 - STEP IN FOOTING PER TYPICAL DETAIL.
 - PIT WALL TO BE 8" CONCRETE WALL W/ #5 AT 12" E.W. (NOT AT SHEAR WALL).
 - EXISTING FOOTINGS AND COLUMNS.
 - 12" THICK FOOTING W/ #5 AT 12" E.W. BOTTOM.
 - LINE OF UNIFORM PT DEAD ENDS.
 - 4'-0" DEEP ESCALATOR PIT.
 - STEEL STAIRS BY OTHERS (DEFERRED SUBMITTAL) TYPICAL.
 - 2'X2' SUMP PIT - VERIFY LOCATION & SIZE W/ ELEVATOR & PLUMBING DWG. - SEE DETAIL 211.
 - HSS4x4x3/8" STEEL COLUMN WITH 12"x12"x3/4" BASEPLATE WITH 4- 3/4"Ø ANCHOR BOLTS. CONNECT PER TYPICAL DETAIL. COORDINATE LOCATIONS WITH ESCALATOR MANUFACTURER.
 - EXISTING SLAB EDGE TURNDOWN.
 - STEEL POST HSS6x4x1/4" AT O.H. DOOR JAMB (TYPICAL OF 4).
 - 12"W x 16'D TURNDOWN.
 - 18" DEEP x 1'-6" WIDE MONOLITHIC FOOTING - TYPICAL AT PERIMETER U.N.O.
 - 600 S137-43 STUDS AT 16" O.C. W/ 3/8" PLYWOOD SHEATHING AT EXTERIOR SIDE - TYP. AT PERIMETER.
 - 362 S137-43 STUDS AT 16" O.C. TYPICAL AT INTERIOR BEARING WALLS.
 - EXISTING CONCRETE WALL.
 - EXISTING FOOTING.
 - DRILL AND EPOXY ANCHOR BOLTS TO EXISTING FOOTING WITH 7" EMBEDMENT.
 - DEMO EXISTING SLAB FOR NEW FOOTING.
 - REINFORCING PER DETAIL 44/S005. TYPICAL AT ALL RE-ENTRANT CORNERS.

- FOUNDATION PLAN NOTES:**
- FOR LOCATION OF DETAILS, SEE GENERAL STRUCTURAL NOTES ELEVATIONS SHOWN ON PLAN ARE BASED ON DATUM ELEVATION SPECIFIC TO THE PROJECT. RE: ARCHIVAL DRAWINGS FOR ACTUAL U.S.G.S. ELEVATIONS AND BENCHMARK LOCATION.
 - DEPTH OF FOOTING DIMENSIONS INDICATED IN THE G.S.N. ARE MINIMUMS. FOUNDATION CONTRACTOR SHALL COORDINATE WITH SOILS REPORT AND OTHER TRADES TO INSURE THAT THESE MINIMUMS ARE SUFFICIENT FOR THE WORK. SEE TYPICAL DETAILS FOR ADDITIONAL REQUIREMENTS. G.C. SHALL FIELD VERIFY AS-BUILT T.O.F. ELEVATIONS AND COORDINATE W/ STEEL SUPPLIER. RESOLVE ANY DISCREPANCIES PRIOR TO STEEL FABRICATION AND DELIVERY.
 - COLUMN FOOTING ELEVATIONS SHOWN ON PLAN ARE BASED ON DATUM ELEVATION SPECIFIC TO THE PROJECT. RE: ARCHIVAL DRAWINGS FOR ACTUAL U.S.G.S. ELEVATIONS AND BENCHMARK LOCATION.
 - VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS. DO NOT USE "CONC. C.J." AS DIMENSION LINE OR TO LOCATE BUILDING ELEMENTS.
 - CONTRACTOR TO PROVIDE CONCRETE CONTROL JOINTS PER G.S.N.
 - SCHEDULED MARK DESIGNATIONS ARE TYPICAL TO THE PROJECT AND MAY NOT NECESSARILY BE FOUND ON THIS PLAN.
 - FOOTING ELEVATIONS SHOWN ARE MAXIMUMS AND MAY NEED TO BE LOWERED DUE TO SOIL CONDITIONS. VERIFY CHANGES WITH ENGINEER OF RECORD.
 - W/F1, W/F2, ETC. - AS SHOWN ON PLAN INDICATES CONTINUOUS WALL FOOTING. SEE SCHEDULE ON S007 FOR SIZE AND REINFORCING.
 - CC1, CC2, ETC. - AS SHOWN ON PLAN INDICATES CONCRETE COLUMN. SEE SCHEDULE ON S007 FOR SIZE AND REINFORCING.
 - SC1, SC2, ETC. INDICATES STEEL COLUMN. SEE SCHEDULE.
 - MW1, MW2, ETC. - AS SHOWN ON PLAN INDICATES MASONRY WALL. SEE SCHEDULE FOR SIZE AND REINFORCING.
 - CW1, CW2, ETC. - AS SHOWN ON PLAN INDICATES CONCRETE WALL. SEE SCHEDULE FOR SIZE AND REINFORCING.
 - SW1, SW2, ETC. INDICATES SHEARWALL. SEE SHEETS S204-S205 FOR MORE INFORMATION.
 - VERIFY EXACT LOCATION OF DEEPENED SLABS WITH ARCHITECTURAL DRAWINGS. FOR SIDEWALK LOCATION AND DETAILS, SEE ARCHITECTURAL DRAWINGS. PROVIDE MASONRY CONTROL JOINTS IN MASONRY WALLS PER AT INTERVALS NOT TO EXCEED 24'-0" O.C. - SEE G.S.N. AND TYPICAL DETAILS.
 - VERIFY EXACT SIZE AND LOCATION OF OPENINGS WITH ARCHITECTURAL DRAWINGS. F1, F2, ETC. - AS SHOWN ON PLAN INDICATES ISOLATED FOOTING. SEE SCHEDULE ON SHEET S007 FOR SIZE AND REINFORCING.

1 TOWER FOUNDATION PLAN
S141-3 Scale: 1/8" = 1'-0"

Key Plan

Project Number: 16022
Date: 09/02/2016
Drawn By: L.E.
Checked By: S.S.

Sheet Name:
TOWER FOUNDATION PLAN - AREA N

Sheet Number:
S141-3

Revisions:

No.	Description	Date
1	STRUCTURAL REVISIONS	09/02/2016
2	MSJC FUTURE REVISIONS	10/27/2016
3	STRUCTURAL CLARIFICATIONS	10/21/2016
07	CONFORM SET	09/03/2017