

GENERAL NOTES:

IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.

SHOULD ANY OF THE DETAILED INSTRUCTION SHOWN ON THE PLANS CONFLICT WITH THE GENERAL STRUCTURAL NOTES, THE SPECIFICATION OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE PLANS AND FOR COORDINATING ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE FOUNDATION PLAN WITH THOSE SHOWN ON THE METAL BUILDING PLANS OR OTHER PLANS.

IF DISCREPANCIES OCCUR, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BRING THE DISCREPANCY TO THE ATTENTION OF THE FOUNDATION ENGINEER BEFORE PROCEEDING WITH THE WORK.

MATERIAL SPECIFICATIONS:

MINIMUM 28 DAY CONCRETE STRENGTHS: SUBMIT MIX DESIGN

FOOTING: 3500 PSI

SLAB ON GRADE: 3500 PSI

(DURABILITY REQUIREMENTS MAY CONTROL MIX DESIGN: MAX SLUMP = 3" TO 4")

ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60.

ALL ANCHOR BOLT SHALL BE F1554-36 KSI HEX HEAD.

CONCRETE NOTES:

ALL CONCRETE WORK SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318) AND SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301) OF THE AMERICAN CONCRETE INSTITUTE.

PROVIDE AT LEAST ONE COPY OF THE ACI FIELD REFERENCE MANUAL, SP-15, IN THE FIELD OFFICE AT ALL TIMES.

ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60.

COORDINATE CONCRETE WORK WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ARCHITECTURAL FINISHED CONCRETE, RECESSED AREAS, EMBEDDED ITEMS, AND SPECIAL CONTROL JOINTS.

PROVIDE THE FOLLOWING MINIMUM CLEAR COVER FOR REINFORCING STEEL FROM SURFACE OF CONCRETE:

-FOR CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3" IN GENERAL

-FOR CONCRETE SURFACE EXPOSED TO THE WEATHER OR AGAINST WHICH BACKFILL WILL BE PLACED: 2" FOR #6 BARS AND LARGER

-FOR SURFACES OTHER THAN ABOVE:

1-1/2" FOR COLUMN SPIRALS OR TIES, OR STIRRUPS

3/4" FOR SLABS AND FOR STIRRUPS IN PAN JOISTS

TOLERANCES FOR BAR COVER ARE +/- 3/8 INCH FOR CONCRETE HAVING A THICKNESS OF 8 INCHES OR LESS AND +/- 1/2 INCH FOR CONCRETE HAVING A THICKNESS GREATER THAN 8 INCHES. TOLERANCE FOR LONGITUDINAL LOCATION OF BENDS AND ENDS OF REINFORCEMENT SHALL BE +/- 2 INCHES EXCEPT AT DISCONTINUOUS ENDS OF MEMBERS WHERE THE TOLERANCE SHALL BE +/- INCH. TOLERANCE FOR BAR SPACING IS +/- 2 INCHES.

TOLERANCE FOR LENGTH OF LAP SPICE IS +/- 1 INCH, AND TOLERANCE FOR EMBEDDED LENGTH IS +/- 1 INCH.

SOIL NOTES:

ALL ORGANICS (99%) SHALL BE REMOVED FROM THE BUILDING PAD AREA. THE SITE SHALL BE CLEARED AND GRUBBED. IF STRUCTURAL FILL IS REQUIRED FOR THE SITE, IT SHALL BE PLACED IN LIFTS NO GREATER THAN 6" BEFORE COMPACTION TAKES PLACE. SOIL DENSITIES BENEATH ALL FOOTINGS AND SLABS MUST ACHIEVE (95%) STANDARD PROCTOR UNLESS DIRECTED OTHERWISE BY THE GEOTECHNICAL ENGINEER. SOIL BEARING CAPACITIES CAN BE VERIFIED USING A DYNAMIC CONE PENETROMETER OR SIMILAR MEANS. A UNIFORM AND WELL COMPACTED BASE & SUBGRADE IS ESSENTIAL FOR PROPER SLAB PERFORMANCE.

PROOF ROLLING WITH A LOADED TANDEM AXLE DUMP TRUCK OR CONCRETE MIX TRUCK IN A GRID PATTERN SHOULD BE PERFORMED IN THE BUILDING PAD AREA. PROOF ROLLING SHOULD BE PERFORMED AS LIFTS ARE BEING MADE. IF PUMPING OR RUTTING IS OBSERVED, REPAIRS MUST BE MADE. ANY DEPRESSIONS GREATER THAN 1/2 INCH REQUIRE REPAIR.

A 4"-6" COMPACTED GRANULAR FILL SHALL BE PLACED BENEATH THE SLAB WITH A MIN 8 MIL VARIOUS BARBERS PLACED DIRECTLY BENEATH THE SLAB UNLESS DIRECTED OTHERWISE BY THE GEOTECHNICAL ENGINEER.

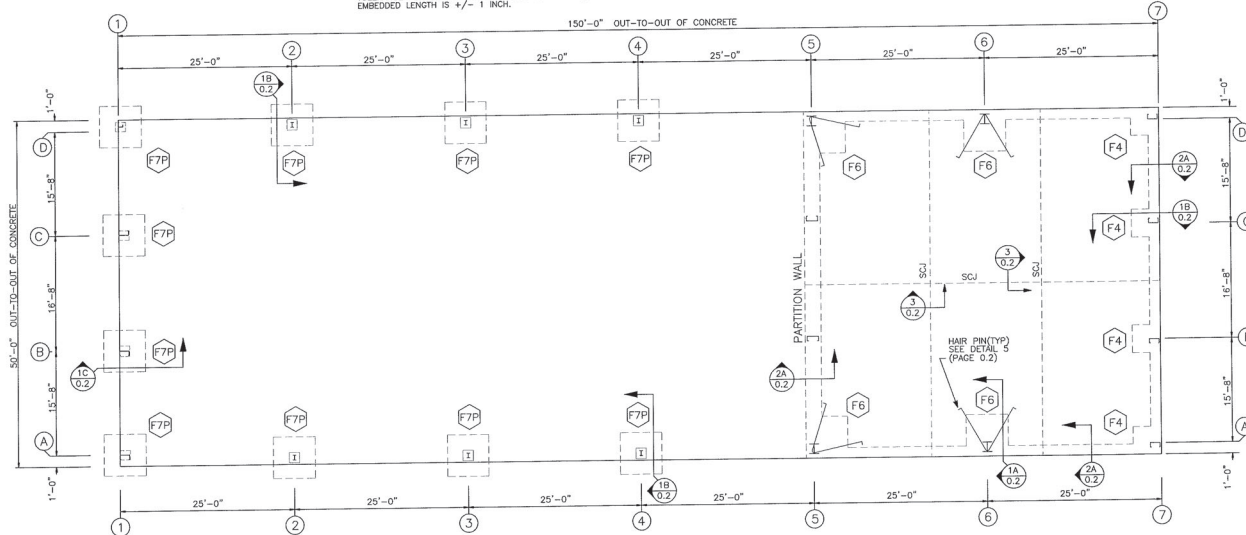
THE NET ALLOWABLE BEARING CAPACITY OF THE SOIL USED IN DESIGN OF THE FOUNDATION IS 2000 PSF. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SOILS COMPLY WITH THESE ASSUMPTIONS BEFORE ANY CONCRETE IS POURED. NO GEOTECHNICAL REPORT WAS AVAILABLE WHEN THIS FOUNDATION PLAN WAS PREPARED.

COORDINATE ALL SAW JOINTS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING PLANS. SAW JOINT LOCATIONS ARE SUGGESTED. SAW JOINTS SHOULD BE APPROXIMATELY SQUARE. IF POSSIBLE, IF NOT, TRY TO LIMIT THE LONGEST SIDE TO 1.5 TIMES THE SHORTEST SIDE. THE FOUNDATION ENGINEER DOES NOT HAVE SPECIFIC KNOWLEDGE OF ANY SPECIFIC SLAB LOADINGS. IT IS ASSUMED THAT SLAB LOADINGS WILL BE LIGHT IN NATURE SUCH AS FOR LIGHT COMMERCIAL/RESIDENTIAL FACILITIES. SEE JOINT DETAIL SHEET 0.2.

Wayne Brad Baker PE 235 Sanders Road Maitland, FL 32751

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by Wayne B Baker
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FOUNDATION PLAN LAYOUT

NOTE: All Base Plates @ 100'-0" (Unless Noted)

REFERENCE ELEVATION IS ASSUMED TO BE 100.0 FL AT THE TOP CORNERS OF THE SLAB. EXACT FINISHED FLOOR ELEVATION (XX.XX) SHALL BE DETERMINED BY CIVIL (SITE) ENGINEER.

FOOTING SCHEDULE

MARK #	SIZE (L x W x T)	TOP REINF.	BOTTOM REINF.	T.O.F. ELEV.
F4	4'-0"x4'-0"x2'-0"	(5) #6's E.W.	(5) #6's E.W.	PER CIVIL
F6	6'-0"x6'-0"x2'-0"	(7) #6's E.W.	(7) #6's E.W.	PER CIVIL

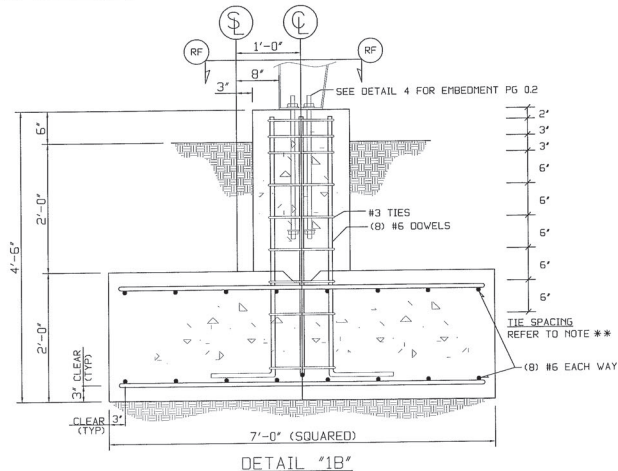
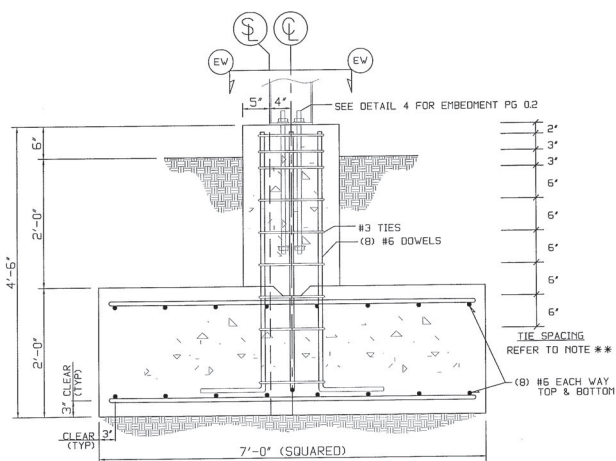
FOOTING SCHEDULE

MARK #	SIZE (L x W x T)	PIER (L x W x H)	TOP REINF.	BOTTOM REINF.	T.O.F. ELEV.
F7P	7'-0"x7'-0"x2'-0"	1'-6"x1'-6"x2'-6"	(8) #6's E.W.	(8) #6's E.W.	PER CIVIL

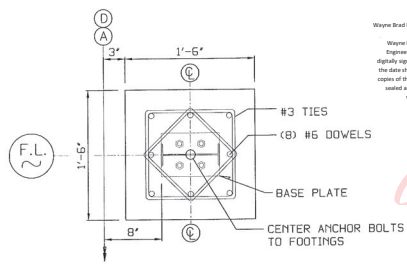
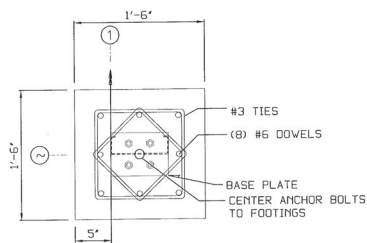
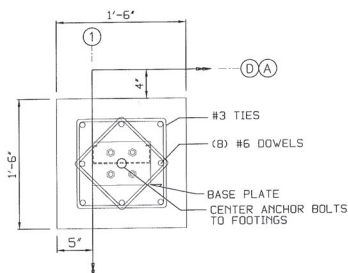
COORDINATE THE FOUNDATION PLAN WITH THE SPECIFIC ANCHOR BOLT LAYOUT PLAN PROVIDED BY THE MBM.

ALL SLABS = 6" CONCRETE SLAB PER CUSTOMER WITH 6x6-W2-9x2.9 WWP @ 1/3" FROM TOP OF SLAB AND CHAIRS AT 3'-0" O.C. MAXIMUM IN ALL DIRECTIONS. VAPOR BARRIER PER GEOTECHNICAL ENGINEER. RECOMMENDATIONS REFER TO THE GEOTECHNICAL REPORT FOR COMPACTION REQUIREMENTS AND SHEET 0.2. ALL UTILITIES, SLOPED SLABS, STEPPED FOOTINGS, RECESSED AREAS, BURIED ITEMS, AND THE COORDINATION OF SUCH ITEMS IN COMBINATION WITH THIS SLAB PLAN ARE THE RESPONSIBILITY OF THE CONTRACTOR.

ISSUE	DET	CHK	DATE
BUILDINGS AND MORE			
CORPORATE: F TRAFFIC OPS BUILDINGS			
JOB NO: 7966			
DATE: 4/11/23			
LOCATION: LAKE CITY, FL 32055			
DRAWING NO: FOUNDATION PLAN LAYOUT			
SHEET NO: PAGE 0.1			
DRAWN BY: WTB			
CHECKED BY: WBB			
SCALE: NONE			



*** AT EACH TIE LEVEL THERE ARE 2 TIES, AS SHOWN BELOW (ONE ORIENTED DIAGONALLY, AND ONE ORIENTED NORMAL).



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ISSUE	DET	CHK	DATE
BUILDINGS AND MORE			
CORPORATE: F TRAFFIC OPS BUILDINGS			
JOB NO: 7966		DATE: 4/11/23	
LOCATION: LAKE CITY, FL 32055			
DESIGNED BY: FOUNDATION PLAN LAYOUT			
DRAWN BY: WTH	CHECKED BY: WBB	SCALE: NONE	
PAGE: 0.3			