-6"X6" W1.4XW1.4 W.W.M. PLACED AT 2" 6"X6" W1.4XW1.4 W.W.M. PLACED AT 2" DEPTH ON CHAIRS OR FIBERMESH CONCRETE DEPTH ON CHAIRS OR FIBERMESH CONCRETE -4" CONCRETE SLAB -4" CONCRETE SLAB 3000 - PSI AT 28 DAYS 3000 - PSI AT 28 DAYS (3) #5 CONTINUOUS ---(3) #5 CONTINUOUS -GRADE ~ → - 6 MIL VAPOR BARRIER -6 MIL VAPOR BARRIEF WITH 6" LAPS SEALED WITH 6" LAPS SEALED WITH POLY TAPE WITH POLY TAPE TERMITE TREATED COMPACTED FILL COMPACTED FILL ----#5 REBAR @ 8" OC MAX EACH WAY (3) #5 CONTINUOUS

SECTION A-A

SCALE: 1/2" = 1'-0"

SECTION B-B

SCALE: 1/2" = 1'-0"

M=20151

.3068 x 3 = 0.9204

0.9204 x 40,000 x .6 x 1.08 =23856 0.9204 x 40,000 x .6 x 0.25 =5522

-(1) #5 HAIR PIN (1) #5 HAIR PIN-(1) #5 HAIR PIN -(1) #5 HAIR PIN -(1) #5 HAIR PIN 3'-0" x 3'-0" x 16" D D CONC FOOTING,— REINF w/ #5 REBAR AT 8" O.C. TOP AND BOTTOM WEACH WAY TYPICAL 3'-0" x 3'-0" x 16" D CONC FOOTINING, -3'-0" x 3'-0" x 16" D CONC FOOTING, -3'-0" x 3'-0" x 16" D CONC FOOTING, -3'-0" x 3'-0" x 16" D CONC FOOTING, REINF w/ #5 REBAR AT 8" O.C. TOP AND BOTTOM EACH WAY TYPICAL TOP AND BOTTOM EACH WAY TYPICAL TOP AND BOTTOM EACH WAY TYTYPICAL TOP AND BOTTOM EACH WAY TYPICAL RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTOR'S APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE. DO NOT CUT WELDED WIRE MESH OR REINFORCING STEEL. 4" CONC. SLAB. 3000 PSI REINFORCED W/ 6X6 #10 W.W.M PLACED AT 2" DEPTH OR FIBER MESH CONCRETE. OVER 6 MIL VAPOR BARRIOR ON TERMITE TREATED EARTH FILL COMPACTED TO MIN. 95% MAX. DRY DENSITY, MOD. PROCTOR SEE SECTION A-A SEE SECTION A-A -3'-0" x 3'-0" x 16" D CONC FOOTINING -3'-0" x 3'-0" x 16" D CONC FOOTING, -3'-0" x 3'-0" x 16" D CONC FOOTING -3'-0" x 3'-0" x 16" D CONC FOOTING, REINF w/ #5 REBAR AT 8" O.C. TOP AND BOTTOM EACH WAY TYPYPICAL TOP AND BOTTOM EACH WAY TYPICAL TOP AND BOTTOM EACH WAY TYPICAL TOP AND BOTTOM EACH WAY TYPICAL 3'-0" x 3'-0" x 16" D CO;ONC FOOTING,— REINF w/ #5 REB/BAR AT 8" O.C. TOP AND BOTTOM EACH VI WAY TYPICAL -(1) #5 HAIR PIN -(1) #5 HAIR PIN -(1) #5 HAIR PIN (1) #5 HAIR PIN (1) #5 HAIR PIN-16" x 24" x 17' x 100 = 4533 **FOUNDATION PLAN** 16" x 36" x 36" x 100 = 1200 4" x 12'-0" x 6'-0" X 100 = 2400 SCALE: 1/4" =1'-0" TOTAL DEAL LOAD = 8133 LB NOTE: SEE AICHOR BOLT PLAN FOR DIMENSIONS

SITE PREPARATION: SITE ANALYSIS AND PREPARATION ARE NOT PART OF THIS PLN AND ARE RESPONSIBILITY OF THE OWNER. SITE INSPECTION BY BUILDER OR BUILDING OFFICIAL SHALL DETERMINE IF THERE IS ANY EVIDENCE OF ONSUITABLE BEARING MATERIALS. IF THERE IS ANY QUESTION, CALL A GEOTECHNICAL ENGINEER TO ASSURE THAT EXPANDING CLAYS AND OTH PROBLEMATIC SOIL CONDITIONS DO NOT EXIST OR TO ALLOW MITIGATION SHOULD THEY EXIST. ALL FILL UNDER STRUCTURAL ELEMENTS SHALBE CLEAN SAND/SOIL FILL, FREE FROM DEBRIS AND ORGANIC MATERIALS COMPACTED TO 95% OF MAXIMUM DRY BEARING CAPACITY, IN LIFTS (NOT MORE THAN 6 INCHES. IT IS THE OWNER'S/BUILDER'S RESPONSIBILITY TO VERIFY EXISTING SOIL AND CLEAN FILL ARE COMPACTED STALE SOIL CONDITIONS WITH 1500 PSF BEARING CAPACITY OR TO REQUEST FOUNDATION DESIGN BASED ON ACTUAL SITE CONDITIONS.

FOUNDATION: THE OWNER HAS NOT YET PROVIDED A GEOTECHNICAL REPORT TOHE ENGINEER. ASSUMED SAFE BEARING CAPACITY OF 1500 PSF SHALL BE APPROVED BY THE OWNER. FOOTINGS AND SLAB ARE TO BEAR ON FIRMNDISTURBED EARTH OR CLEAN SAND/SOIL FILL, FREE FROM DEBRIS AND ORGANIC MATERIALS COMPACTED IN LIFTS OF NOT MORE THAN 6 IN SECONDINATED WITH UNDERGROUND UTILITIES. FOOTINGS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES. TO MINIMIZE WEATHLING, THE LAST 6 INCHES OF EXCAVATION FOR ALL FOOTINGS SHALL BE MADE IMMEDIATELY PRIOR TO PLACEMENT OF FOOTINGS.

CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALLE F'C = 3000 PSI WHERE EXCESS WATER IS ADDED TO THE CONCRETE SO THAT ITS SERVICEABILITY IS DEGRADED, THE ATTAINMENT OF RECIRED STRENGTH SHALL NOT RELEASE THE CONTRACTOR FROM PROVIDING SUCH MODIFICATIONS AS MAY BE REQUIRED BY THE ENGINEER TO PFVIDE A SERVICEABLE MEMBER OR SURFACE. ALL CONCRETE SHALL BE VIBRATED. NO REPAIR OR RUBBING OF CONCRETE SURFACES SHALL BMADE PRIOR TO INSPECTION BY AND APPROVAL OF THE ENGINEER, OWNER, OR HIS REPRESENTATIVE.

FIBER CONCRETE SLAB: CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC BER REINFORCEMENT. FIBER LENGTHS SHALL BE ½ INCH TO 2 INCHES IN LENGTH. DOSAGE AMOUNTS SHALL BE FROM 0.75 TO 1.5 POUNDS PECUBIC YARD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SYNTHETIC FIBERS SHALL COMPLY WITH ASTM C 1116. THE ANUFACTURER OR SUPPLIER SHALL PROVIDE CERTIFICATION OF COMPLIANCE WITH ASTM C 1116 WHEN REQUESTED BY THE BUILDING OFFICIA

WELDED WIRE REINFORCED SLAB: 6"x6" W1.4xW1.4, FB = 85KSI, WELDED WIRE REIFORCEMENT FABRIC (W.W.M.) CONFORMING TO ASTM A185; LOCATED IN THE MIDDLE OF THE SLAB: SUPPORTED WITH APPROVED MATERIALSR SUPPORTS AT SPACING NOT TO EXCEED 3'.

REBAR: ASTM A 615, GRADE 60, REINFORCED BARS, FY = 60 KSI. ALL LAP \$PLICES & DB (30" FOR #5 BARS); UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315-95 UNLESS NOTED OTHER\SE. ALL TENSION DEVELOPMENT LENGTHS SHALL BE 30 INCHES.

CONCRETE CONTROL JOINTS: WHERE SPECIFIED, SAWN CONTROL JOINTS IN SLADN-GRADE SHALL BE CUT IN ACCORDANCE WITH ACI 302. JOINTS

CONCRETE CONTROL JOINTS: WHERE SPECIFIED, SAWN CONTROL JOINTS IN SLADN-GRADE SHALL BE CUT IN ACCORDANCE WITH ACI 302. JOINTS SHALL BE CUT WITH IN 12 HOURS OF SLAB PLACEMENT. LENGTH/WIDTH RATIOS OSLAB AREAS SHALL NOT EXCEED 1.5 AND TYPICAL SPACING OF CUTS TO BE 12FT \. DO NOT CUT W.W.M. OR REINFORCING STEEL. (RECOMMEND LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTOR'S APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PIVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE.)

BASED ON COLUMN REACTIONS BY MBMI METAL BUILDINGS SEALED ENGINEERING FOR PROJECT 25473 PLANS DATE: 8/20/10

NOTE: THIS FOUNDATION DESIGN MEETS ALL REQUIREMENTS FOR WIND LOAD'S PER FBC2007, ECTION 1609, 110 MPH BASIC WIND SPEED, EXPOSURE C, 1.0 USE FACTOR; COLUMN PAD LOCATIONS ARE TYPICAL, EXT ANCHOR BOLT LOCATIONS AND SIZES ARE PER METAL BUILDING SEALED ENGINEERING ANCHOR BOLT PLAN.

- ANCHOR BOLTS AND REINFORCEMENT - 16" A-307 ANCHOR BOLTS, BOLT DIAMETER, AND LOCION PER METAL BUILDING SEALED ENGINEERING DESIGN DRAWINGS. TIE ANCHOR BOLTS TO BOTTOM FNFORCING STEEL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60. WELDED WIRE FAERIC SHALLDNFORM TO ASTM A185. DETAILING OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN ACCOANCE WITH ACI DETAILING MANUAL, SP-66, AND ACI318. REINFORCING SHALL NOT BE HEATED OR WELDED. REFORCING SHALL BE APPROVED BY ENGINEER OR HIS REPRESENTATIVE BEFORE CONCRETE IS PLACED. PROVII 3" COVER FOR EXPOSED FOOTING SURFACES, 2" COVER FOR FORMED EXPOSED SURFACES, 3/4" COVER FOROT EXPOSED SURFACES. LAP SPLICES SHALL BE 48 BAR DIAMETERS. TOP STEEL LAPS SHALL OCCUR AT MICPAN; BOTTOM LAPS AT COLUMNS.

- CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE F'C = 30 PSI. WHERE EXCESS WATER IS ADDED TO THE CONCRETE SO THAT ITS SERVICABILITY IS DEGRADE THE ATTAINMENT OF REQUIRED STRENGTH SHALL NOT RELEASE THE CONTRACTOR FROM PROVIDING SUCH MCFICATIONS AS MAY BE REQUIRED BY THE ENGINEER TO PROVIDE A SERVICEABLE MEMBER OR SURFACE. ALLONCRETE SHALL BE VIBRATED. NO REPAIR OR RUBBING OF CONCRETE SURFACES SHALL BE WADE PRIOTO INSPECTION BY AND APPROVAL OF THE ENGINEER, OWNER OR HIS REPRESENTATIVE.

- CONTROL JOINTS - SAWN CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE CUT IN ACCORDAN(WITH ACI 302. JOINTS SHALL BE CUT WITHIN 12 HOURS OF SLAB PLACEMENT. THE LENGTH / WIDTH RATIOS O3LAB AREAS SHALL NOT EXCEED 1.5. DO NOT CUT WWM OR REINFORCING STEEL. (RECOMMENDED LOCATIC OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTOR'S APPROVAL. THE CONTROL JOINT ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A VEN LINE.)

- FOUNDATION - THE OWNER HAS NOT YET PROVIDED A GEOTECHNICAL REPORT TO THE ENGIIER. ASSUMED SAFE BEARING CAPACITY OF 2000 PSF SHALL BE CONFIRMED IN THE FIELD BY A REGISTERED GEOTECHNICAL ENGINEER OR SHALL BE APPROVED BY THE OWNER. FOOTINGS AND SLABS AFTO BEAR ON FIRM UNDISTURBED EARTH OR APPROVED CONTROLLED FILL. WHERE UNACCEPTABLE NATERIAL O;URS, EXCAVATE AND REPLACE WITH ENGINEERED FILL.

- UNLESS OTHERWISE SPECIFIED ALL MATERIALS AND CONSTRUCTION ARE TO MEET LOCAL BIDING CODES.

REVISIONS

SOFTPIXN

WINDLOAD ENGINEER:
Mark Disosway, PE
No.53915, POB 868, Lake City, FL 32056,
386-754-5419

DIMENSIONS:
Stated dimensions supercede scaled

dimensions. Refer all questions to Mark Disosway, P.E. for resolution. Do not proceed without clarification.

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CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable

wind engineering comply with section R301.2.1, florida building code residential 2007, to the best of my knowledge. LIMITATION: This design is valid for one

portions of the plan, relating to

building, at specified location.

MARK DISOSWAY
P.E. 53915

November 04: 2016

Bryan Zecher Construction

SEAL

Bill Giles Metal Building

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PRINTED DATE:
November 04, 2010

DRAWN BY: STRUCTURAL BY
Evan Beamsley

FINALS DATE:

JOB NUMBER: 1010088

F-1

OF 1 SHEET