

PROFESSIONAL SERVICES BY
DRISCOLL ENGINEERING, INC.
PO BOX 357577
GAINESVILLE, FL 32635
PH (352)-331-1513
CA 8690

PLANS AND SPECIFICATIONS

The plans and specifications presented herein are applicable only for the anticipated construction at the locations shown. If construction plans change, the Design Professional should be notified so the plans and specifications can be re-evaluated. The Design Professional should be given the opportunity to review final plans and specifications to see if the intent of the plans and specifications has been followed and/or if supplemental details and recommendations are needed. The Design Professional warrants that the plans and specifications contained herein, have been prepared in accordance with generally accepted professional engineering practice. No other warranties are implied or expressed.

CORPORATE PROTECTION

It is understood and agreed that the Design Professional's Basic Services under this Agreement do not include project observation or review of the Contractor's performance or any other construction phase services, and that such services will be provided by the Client. The Client assumes all responsibility for interpretation of the contractor Documents and for construction observation and supervision and waives any claims against the Design Professional that may be in any way connected thereto.

In addition, the Client agrees, to the fullest extent permitted by law, to indemnify and hold the Design Professional harmless from any loss, claim or cost, including reasonable attorney's fees and costs of defense, arising or resulting from the performance of such services by other person or entities and from any and all claims arising from modifications, clarifications, interpretations, adjustments or changes made to Contract Documents to reflect changed field or other conditions, except for claims arising from the sole negligence or willful misconduct to the Design Professional.

OWNERSHIP OF INSTRUMENTS OF SERVICE

All reports, plans, specifications, computer files, field data, notes and other documents and instruments prepared by the Design Professional as instruments of service shall remain the property of the Design Professional. The Design Professional shall retain all common law, statutory and other reserved rights, including the copyright thereto.

DEFECTS IN SERVICE

The Client shall promptly report to the Design Professional any defects or suspected defects in the Design Professional's work or services of which the Client becomes aware, so that the Design Professional may take measures to minimize the consequences of such a defect. The Client warrants that he or she will impose a similar notification requirement on all contractors in his or her Client/Contractor contract and shall require all subcontractors at any level to contain a like requirement. Failure by the Client, and the Client's contractors or subcontractors to notify the Design Professional, shall relieve the Design Professional of the costs of remedying the defects above the sum such remedy would have cost had prompt notification been given.

VERIFICATION OF EXISTING CONDITIONS

Inasmuch as the remodeling and/or rehabilitation of an existing building requires that certain assumptions be made regarding existing conditions, and because some of these assumptions may not be verifiable without expending additional sums of money or destroying otherwise adequate or serviceable portions of the building, the Client agrees, to the fullest extent permitted by law, to indemnify and hold the Design Professional harmless from any claim, liability or cost (including reasonable attorney's fees and costs of defense) for injury or economic loss arising or allegedly arising out of the professional services provided under this Agreement, excepting only those damages, liabilities, or costs attributable to the sole negligence or willful misconduct of the Design Professional

Design Criteria

- 1- Foundation design is based on information provided by General Steel Corp. job #76846A Job # 25131 Signed & Sealed by Anuradha Khanna P.E. # 81992 Dated: 2020-09-08.
- 2- Floor design load 125 psf.
3. Loading shall not be applied until after concrete has achieved its full strength (28 days min.)

Concrete Construction Notes

1. Concrete work shall conform to Florida Building Code 6th Edition (2017) and to "Building Code Requirements for Reinforced Concrete" (ACI-318) and "Specifications for Structural Concrete" (ACI-301), Latest Edition.
2. All concrete mixes shall contain a water-reducing admixture conforming to ASTM C-494. Air-entraining admixture shall conform to ASTM C-260.

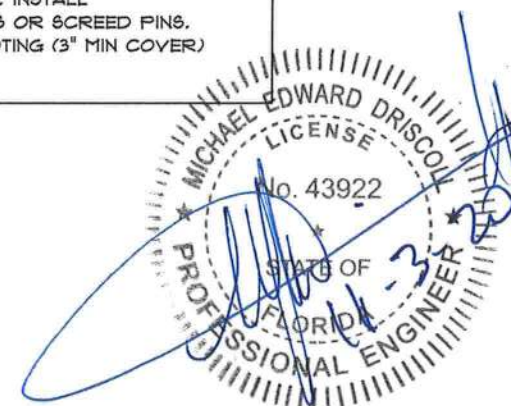
CONCRETE MIX

Ultimate Compressive Strength @ 28 days	3,000 PSI
Slump Range	4" +/- 1"
Maximum Aggregate Size	1"
Entrained Air	6%
Dry Weight per Cubic Foot	150 #

3. All concrete shall be cured for a minimum of 28 days. If forms for vertical surfaces are removed prior to the end of the curing period, spray surfaces with liquid membrane curing compound.
4. Reinforcing steel shall conform to ASTM A615, Grade 40 (Fy=40 ksi). Lap continuous bars for tension lap splice per ACI-318, unless otherwise noted. Provide corner bars of same size and spacing as horizontal wall reinforcement. Cover for concrete reinforcing steel shall be in accordance with ACI-318, Paragraph 7.7.
5. Welded wire fabric (WWF) shall conform to ASTM A185. Lap sheets two mesh spaces and wire tie adjacent sheets together securely. Cut alternate reinforcement at control joints.
6. All slabs on grade shall have construction or control joints not to exceed 10'-0" spacing, unless otherwise noted.
7. Electrical conduit and other pipes to be embedded in structural concrete floor slabs or walls shall be placed in accordance with the requirements of ACI-318, Paragraph 6.3.

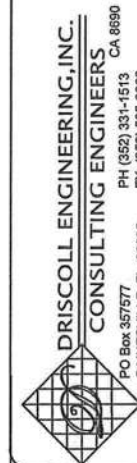
GENERAL NOTES:

- 1- ALL CONCRETE TO BE 3000 PSI. COMPRESSIVE STRENGTH @ 28 DAYS
- 2- CONTRACTOR SHALL INSTALL ANCHOR BOLTS PER BUILDING MANUFACTURER'S SPECIFICATIONS AS SHOWN IN DETAILS.
- 3- REINFORCING STEEL SHALL BE MIN Fy 40 K.S.I.
- 4- THIS FOUNDATION DESIGN IS PREDICATED ON THE ASSUMPTION THAT THE MINIMUM SOIL BEARING CAPACITY IS 2000 LBS PER SQ. FT.
- 5- CONTRACTOR AND ALL SUB CONTRACTORS SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION.
- 6- THE BOTTOM OF ALL FOOTINGS AND TRENCHES SHALL BE LEVEL AND CLEAN OF ALL DEBRIS.
- 7- PROVIDE A 6 MIL. POLYETHYLENE VAPOR BARRIER UNDER ALL CONCRETE SLABS. INSTALL POLYETHYLENE VAPOR BARRIER W/ 12" MIN LAPS. DO NOT PUNCTURE W/ STAKES OR SCREED PINS.
- 8- ALL ANCHOR BOLTS SHALL EXTEND TO WITHIN 4" ABOVE THE BOTTOM OF THE FOOTING (3" MIN COVER) (ANCHOR BOLTS SIZE & LOCATION DESIGN BY BUILDING MFR.)



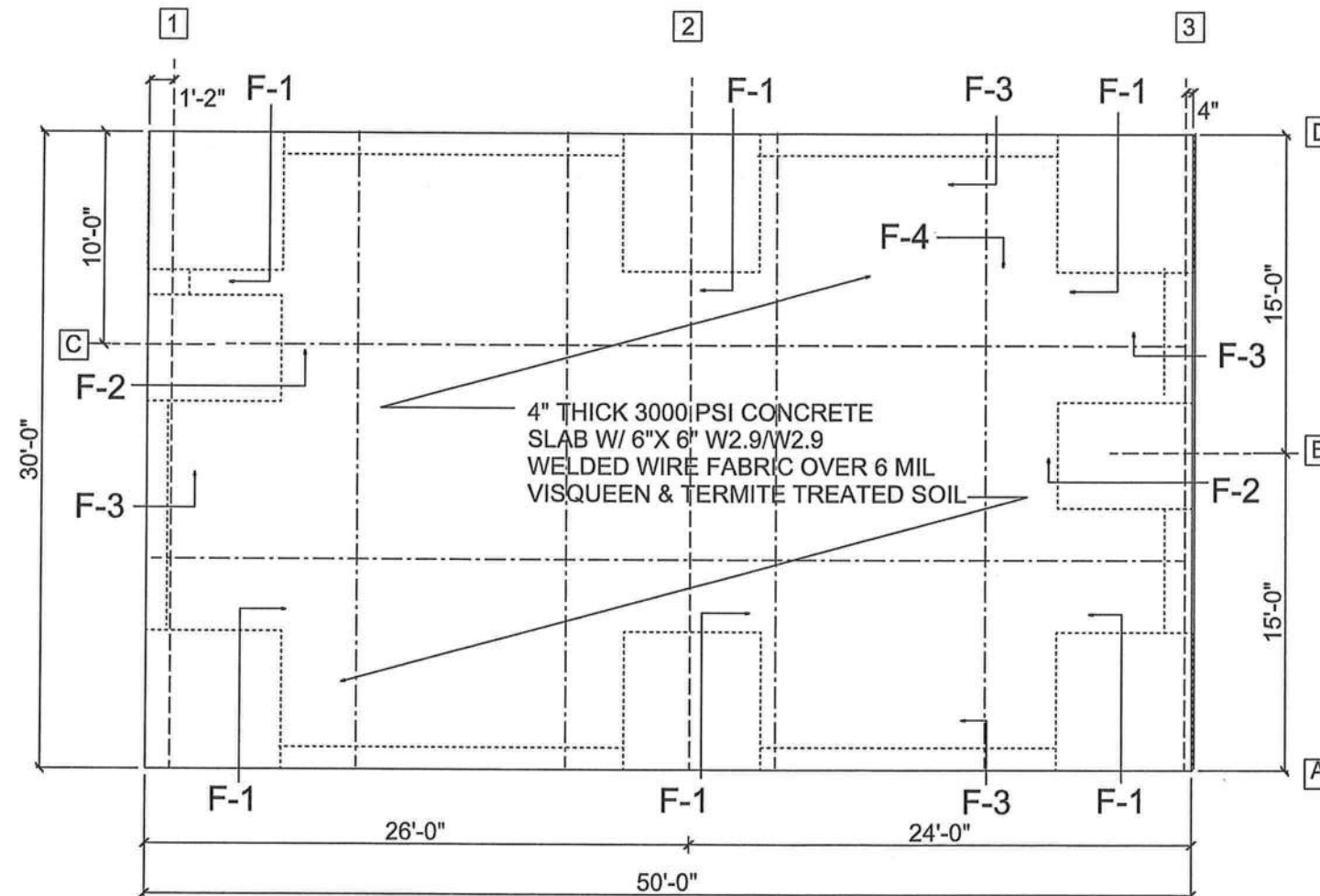
DATE: 11-2-20

Michael E Driscoll PE
FL Reg # 43922



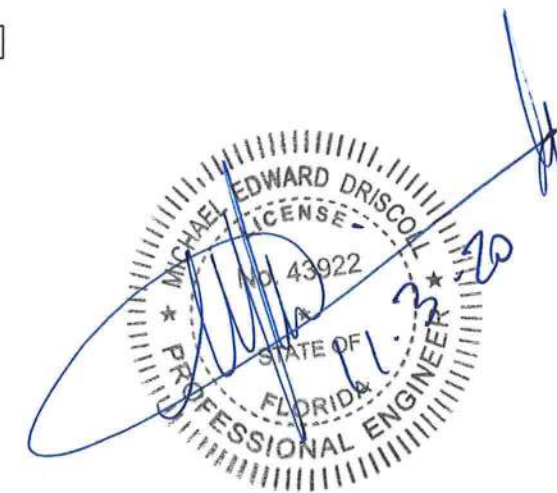
FORCE
301 SW KAIN GIN
FT WHITE, FL DF20-163

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FOUNDATION PLAN VIEW

1/8" = 1'-0"

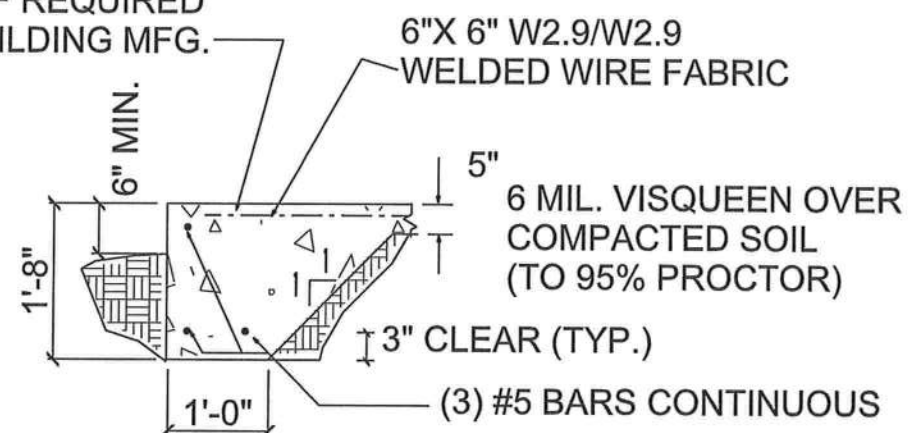


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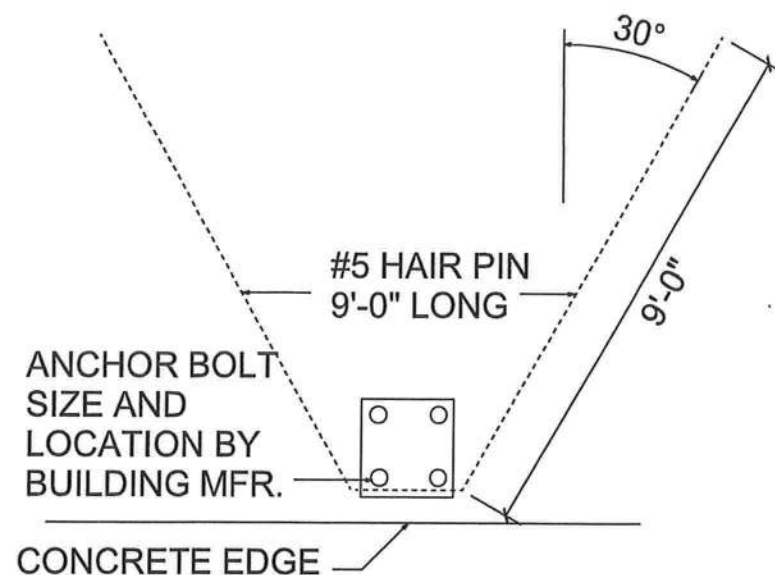
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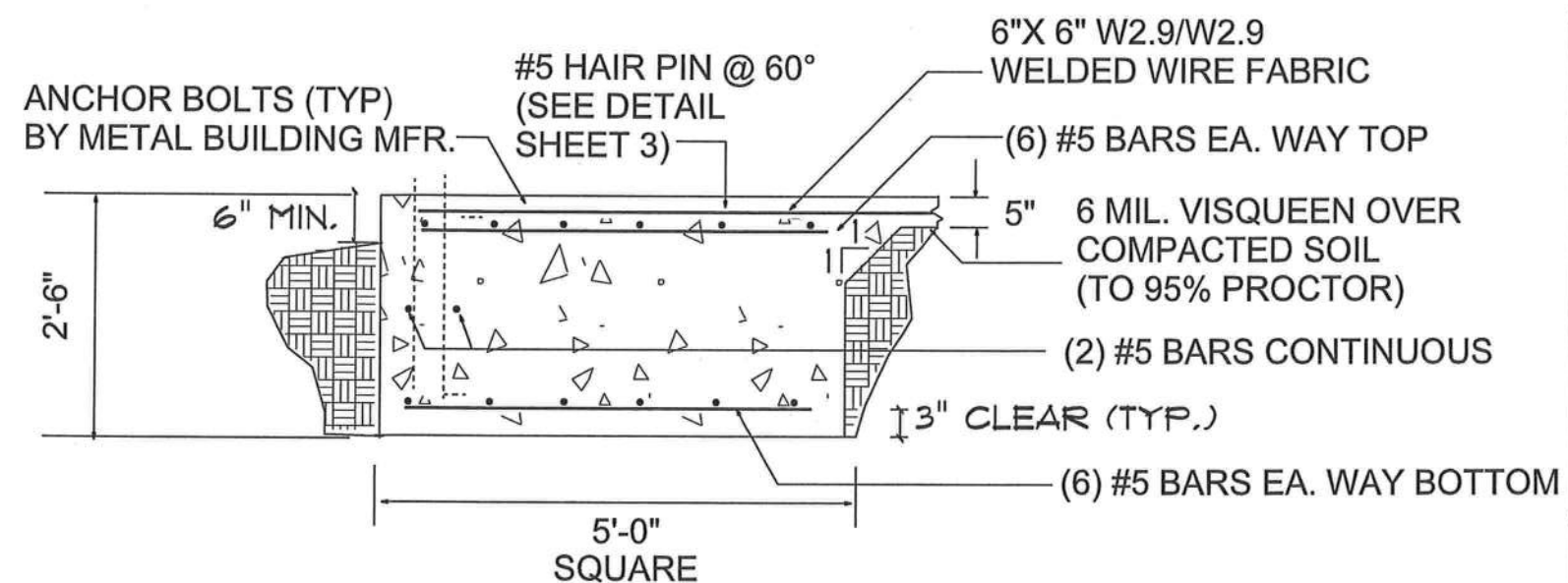
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FOUNDATION DETAIL F-3

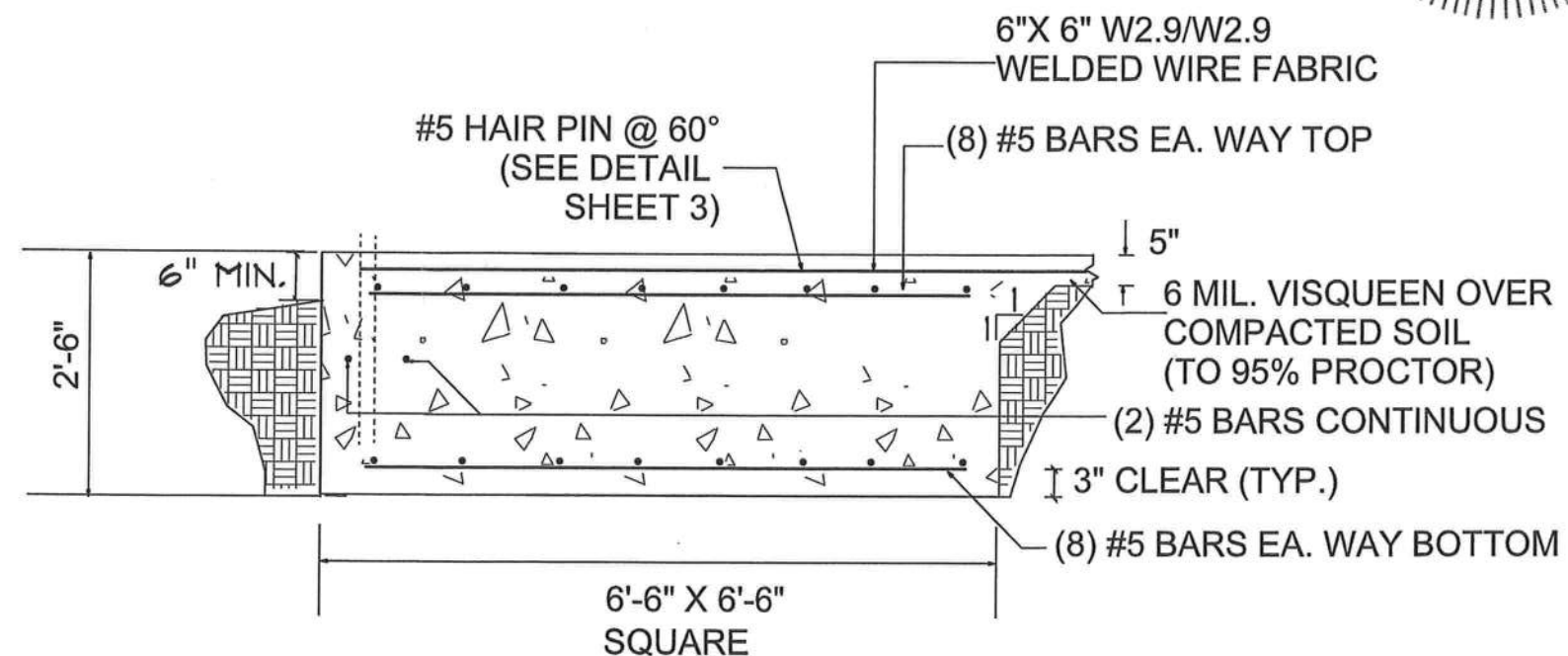


HAIRPIN DETAIL



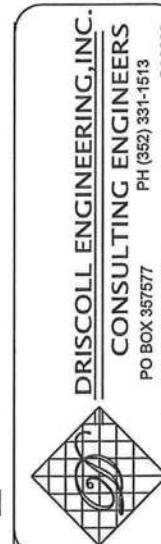
FOUNDATION DETAIL F-2

ANCHOR BOLTS (BY METAL BUILDING MFR)
MUST EXTEND TO BOTTOM LAYER
OR REINFORCING STEEL



FOUNDATION DETAIL F-1

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FL Reg # 43922



FORCE
3301 SW KAIN GIN
LET WHITE: FL DF20 163

DATE: 11-2-20

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