

PROFESSIONAL SERVICES BY
DRISCOLL ENGINEERING, INC
PO BOX 357577
GAINESVILLE, FL 32635
CA 8690
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

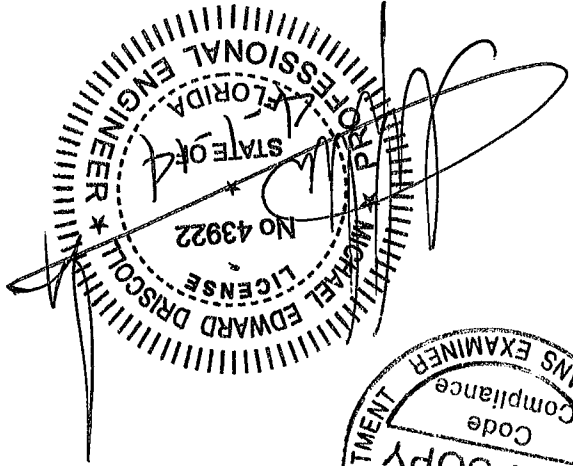
VERIFICATION OF EXISTING CONDITIONS

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

POOL STRUCTURAL DESIGN

NOTES:

1- ELECTRICAL & PLUMBING DESIGNED BY OTHERS
2- SOIL PREPARATION & COMPACTION SHALL BE IN
ACCORDANCE WITH UNIVERSAL ENGINEERING AND
SCIENCE RECOMMENDATIONS AS COORDINATED BY
OWNER.



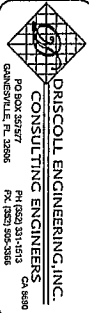
4-1-14
Michael E Driscoll PE
FL Reg # 43922

Design Criteria

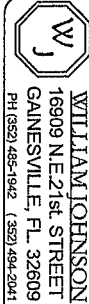
- 1 Concrete work shall conform to "Building Code Requirements for Reinforced Concrete" (ACI-318) and "Specifications for Structural Concrete" (ACI-301), Latest Edition.
- 2 Concrete Mix "A" shall be used for foundation walls, footings and interior slabs on grade. Concrete mix "B" shall be used for exterior slabs, curbs and all other exterior concrete. All concrete mixes shall contain a water-reducing admixture conforming to ASTM C-494. Air-entraining admixture shall conform to ASTM C-260.

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

- 3 Shotcrete mix
- 4 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
- 5 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
- Masonry Construction Notes
- 1 Concrete masonry work shall conform to "Building Code Requirements for Masonry Structures" (ACI 530-02/ASCE5-02) and "Specifications for Masonry Structures" (ACI 530.1-02/ASCE6-02)
- 2 Concrete masonry units shall be Type 1 and comply with "Standard Specifications for Hollow Load-Bearing Concrete Masonry Units" (ASTM C90-90)
- 3 The minimum net area compressive strength of masonry (fm), as determined by the unit strength method, shall be 1500 psi
- 4 Mortar shall conform to ASTM C270 Type M Mortar shall be used unless otherwise noted. Type S Mortar shall be used with masonry in contact with earth
- 5 Grout for filling block cores and bond beams shall have a minimum compressive strength (fc) of 3,000 psi at the age of 28 days

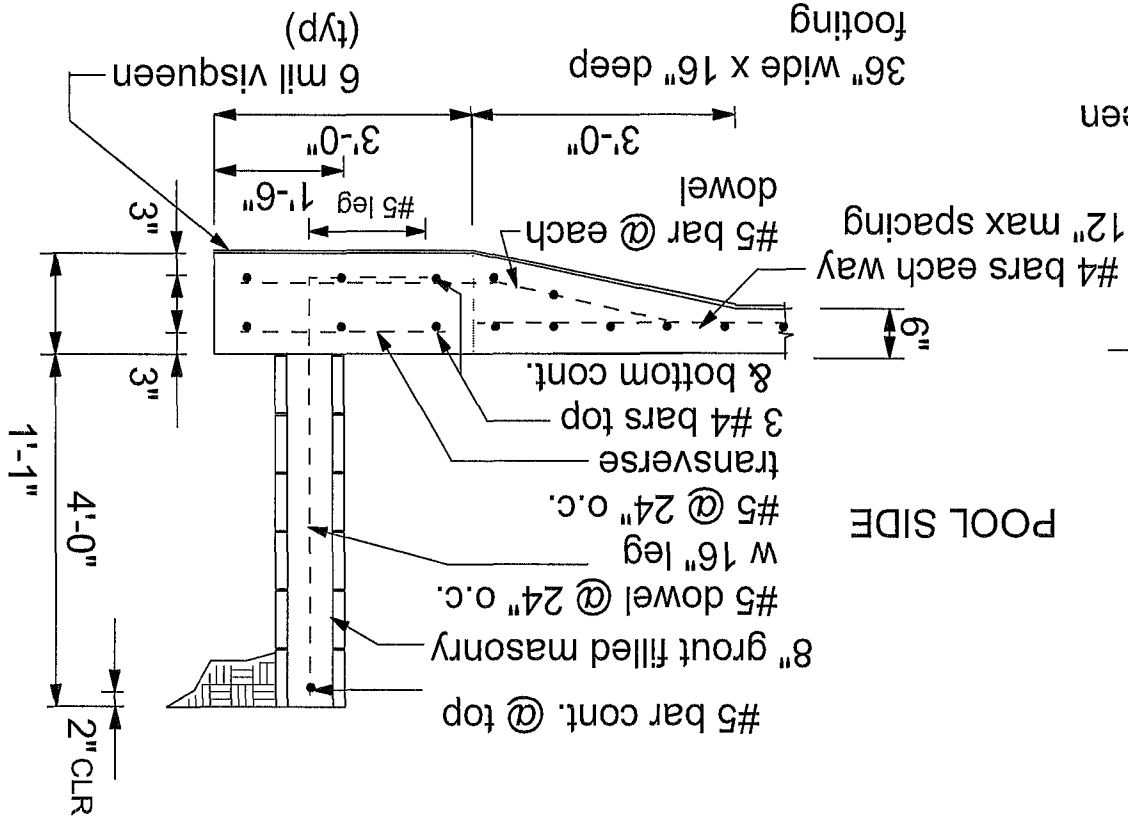


GLENN STRUCTURAL POOL DESIGN
654 SW TIMUQUA TERR
FT WHITE FL DS14-51



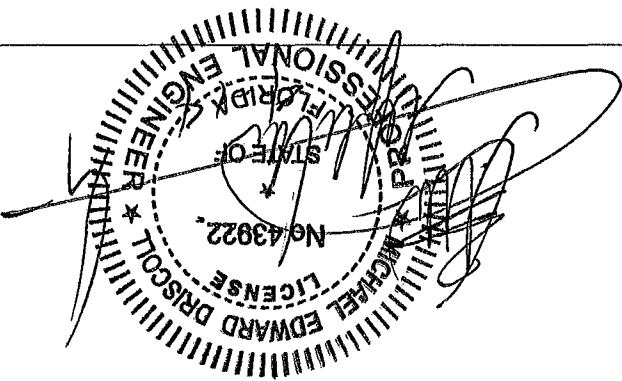
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NOTES:	CONCRETE :	3000 P.S.I.
	BLOCK:	2000 P.S.I.
	MORTAR:	TYPE "M" OR "S"
	GROUT:	3000 P.S.I.
	REBAR:	GRADE 40, MINIMUM 30" LAP



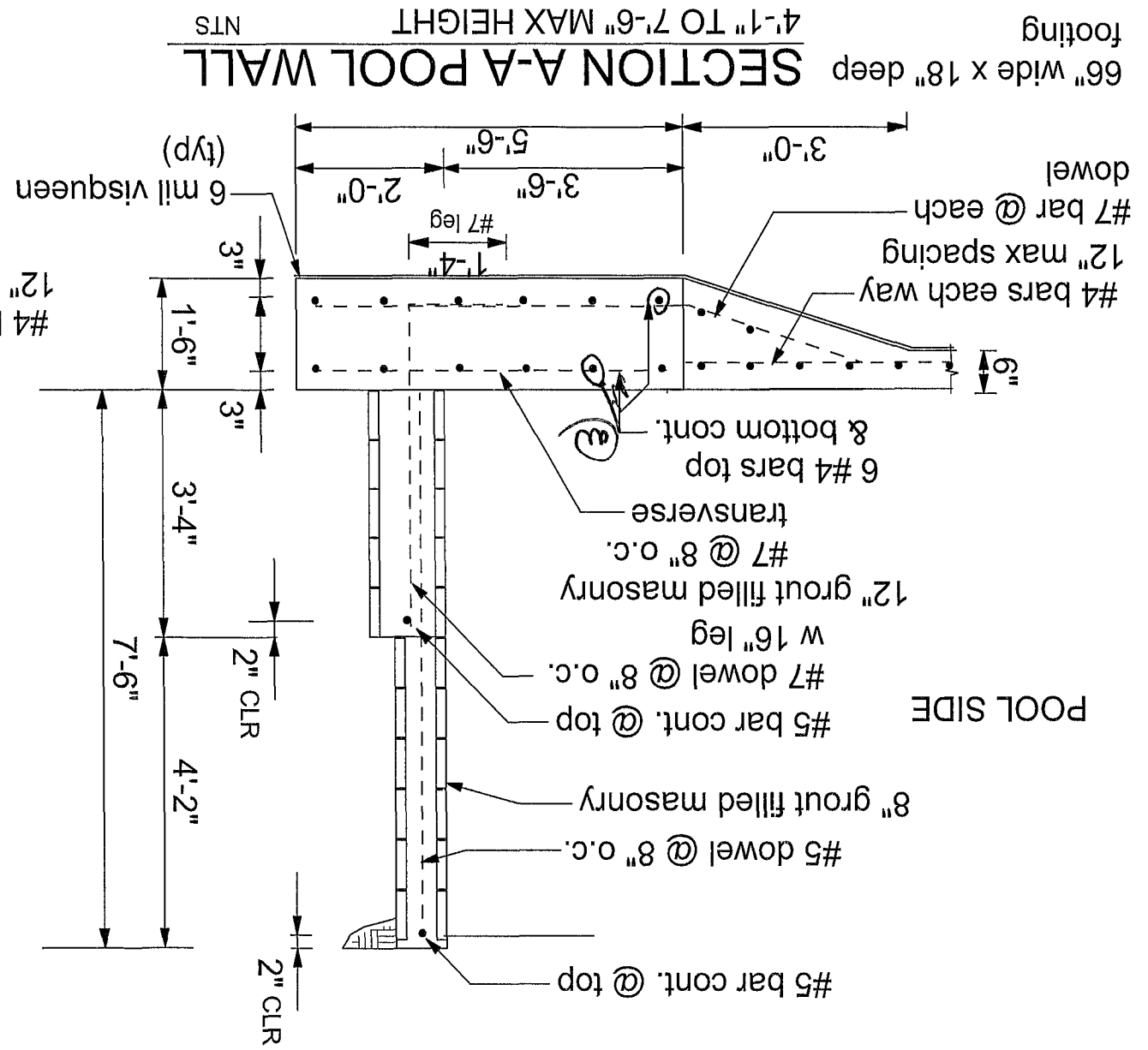
SECTION B-B POOL WALL
UP TO 4'-0" MAX HEIGHT
NTS

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GLENN STRUCTURAL POOL DESIGN
654 SW TIMUQUA TERR
FT WHITE FL DS14-51



SECTION A-A POOL WALL
4'-1" TO 7'-6" MAX HEIGHT
NTS

footing