

STRUCTURAL NOTES

1010 GENERAL NOTES:

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.

DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.

THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO INSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS.

1015 EXISTING STRUCTURE:

WORK SHOWN ON THESE PLANS ASSUMES THAT THE ORIGINAL CONSTRUCTION WAS PERFORMED IN ACCORDANCE WITH THE ABOVE INDICATED ORIGINAL DRAWINGS INCLUDING (BUT NOT LIMITED TO) DIMENSIONS, ELEVATIONS, MEMBER SIZES, MATERIALS, DETAILS, ETC. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE CONDITIONS RELATING TO THE EXISTING STRUCTURE AND TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

1090 CONTRACTOR PROPOSED CHANGES:

ANY CHANGES TO STRUCTURAL DETAILS SHALL BE PRE-APPROVED BY THE ARCHITECT AND ENGINEER. THE PROPOSAL TO CHANGE DETAILS SHALL INCLUDE LEGIBLE COPIES OF ALTERNATE DETAILS AND SUPPORTING ENGINEERING CALCULATIONS. THE STRUCTURAL ENGINEER SHALL BE REIMBURSED FOR REVIEWING THE CHANGES AND MODIFYING CONTRACT DOCUMENTS, AS REQUIRED.

2010 FOUNDATIONS:

DESIGN BEARING CAPACITY: 2000 PSI

- 1.- ALLOWABLE SOIL BEARING IS 2000 PSI CONTRACTOR SHALL NOTIFY ARCHITECT IF UNUSUAL SOIL CONDITIONS ARE OBSERVED DURING EXCAVATION
- 2.- FILL FOR SLAB AND FOOTINGS SHALL BE PLACED IN 8" LAYERS AND ROLLED AND/OR COMPACTED TO A MIN. FIELD DENSITY OF 95% AS MEASURED BY THE "MODIFIED PROCTOR TEST"
- 3.- CONTRACTOR SHALL REMOVE EXISTING SOD AND ANY TREE ROOTS FOUND IN THE CONSTRUCTION AREA, SUCH THAT NO ORGANIC MATERIALS ARE LEFT UNDER THE NEW BUILDING
- 4.- ALL FILL SHALL BE CLEAN SAND OR A SAND AND ROCK MIXTURE FREE OF ORGANIC OR DELETERIOUS MATERIALS. FOR MORE DETAILS REFER TO SOIL REPORT.

2210 SAFEGUARDING EXISTING FOUNDATIONS:

WHEN NEW CONSTRUCTION OR DEMOLITION REQUIRES SOIL EXCAVATION NEAR EXISTING FOUNDATION SYSTEMS, THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS SO THE STRUCTURAL INTEGRITY OF THE EXISTING FOUNDATION IS NOT COMPROMISED. IN THE EVENT THAT A FOUNDATION IS COMPROMISED, THE CONTRACTOR SHALL CONTACT THE ARCHITECT OR STRUCTURAL ENGINEER IMMEDIATELY.

3104 CONSTRUCTION JOINTS:

ANY DEVIATION OR ADDITION OF CONSTRUCTION JOINT FROM THAT SHOWN ON THE PLANS MUST BE REVIEWED BY THE ENGINEER. ALTERNATE OR ADDED CONSTRUCTION JOINT LOCATIONS ARE ACCEPTABLE ONLY AS A CHANGE ORDER, WHICH WILL INCLUDE ENGINEERING CHARGES BY THE ENGINEER OF RECORD FOR REDESIGN OF THE STRUCTURE, SHORING, ETC.

3201 REINFORCING STEEL:

SHALL BE ASTM A615 GRADE 60 DEFORMED BARS, FREE FROM OIL, SCALE AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL BENDING DIAGRAM AND PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS. SECURE APPROVAL OF SHOP DRAWINGS PRIOR TO COMMENCING FABRICATION.

3202 WELDED WIRE FABRIC:

TO CONFORM TO ASTM A-185, FREE FROM OIL, SCALE AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS. MINIMUM LAP SHALL BE ONE SPACE PLUS TWO INCHES. USE OF FLAT MANUFACTURED SHEETS IS RECOMMENDED.

3302 CONCRETE:

SHALL BE PER AN APPROVED MIX DESIGN PROPORTIONED TO ACHIEVE A STRENGTH AT 28 DAYS AS LISTED BELOW WITH A PLASTIC AND WORKABLE MIX:

FOOTINGS.....3000 PSI.
SLABS ON FILL.....3000 PSI.
CRYPTS.....3000 PSI
ALL OTHERS.....4000 PSI.
SLUMP OF CONCRETE SHALL NOT EXCEED 5 INCHES.

CONCRETE SHALL BE PLACED AND CURED ACCORDING TO ACI STANDARDS AND SPECIFICATIONS.

3307 PENETRATIONS:

NO PENETRATIONS SHALL BE MADE IN ANY STRUCTURAL MEMBERS OTHER THAN THOSE LOCATED ON THE STRUCTURAL DRAWINGS WITHOUT PREVIOUS APPROVAL OF THE ENGINEER. CONTRACTOR SHOULD SUBMIT SLAB DRAWINGS INDICATING ANY CONCENTRATION OF PIPES, OPENINGS OR PENETRATIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS PRIOR TO CONCRETE POURS.

GENERAL NOTES:

- 1.- THE CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, LABOR AND OTHER FACILITIES NECESSARY FOR THE EXECUTION AND COMPLETION OF THE WORK. ALL MATERIALS SHALL BE NEW, AND BOTH WORKMANSHIP AND MATERIALS SHALL BE OF GOOD QUALITY. THE CONTRACTOR SHALL, IF REQUIRED, FURNISH SATISFACTORY EVIDENCE AS TO THE MATERIALS USED.
- 2.- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY CITY, COUNTY AND STATE LICENSES PRIOR TO COMMENCING CONSTRUCTION. IF SPECIAL PERMITS ARE REQUIRED FOR ANY PART OF THE WORK, THEY SHALL BE OBTAINED AND EXHIBITED. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH THE LAWS, ORDINANCES, CODES AND REGULATIONS BEARING ON THE CONDUCT OF THE WORK AS DRAWN AND SPECIFIED.
- 3.- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY, AS PART OF THE WORK TO BE DONE, TO COORDINATE HIS WORK WITH THAT OF OTHER CONTRACTORS AND SUB-CONTRACTORS.
- 4.- THE CONTRACTOR SHALL MAINTAIN AN ACCURATE LOG OF "AS BUILT" INFORMATION AND SUBMIT IT TO THE ARCHITECT UPON COMPLETION OF THE JOB, FOR FINAL ACCEPTANCE AND CERTIFICATION.
- 5.- THE CONTRACTOR SHALL INSPECT THE SITE SO AS TO THOROUGHLY ACQUAINT HIMSELF WITH THE TERRAIN, AS WELL AS WITH THE UNDERGROUND AND ABOVE-GROUND UTILITIES AND OBSTACLES.
- 6.- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. IN THE CASE OF ANY DISCREPANCY, OR DUE TO FIELD CONDITIONS WHERE IT BECOMES NECESSARY TO MAKE SOME MODIFICATIONS, THE CONTRACTOR SHALL CONSULT AND OBTAIN ACCEPTANCE AND AUTHORIZATION FROM THE ARCHITECT.
- 7.- BEFORE DIGGING, THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES IN THE FIELD WITH THE UTILITY COMPANIES SERVING THE AREA. SUPPLEMENTARY ASSISTANCE MAY BE OBTAINED BY CONTACTING THE "UNDERGROUND UTILITIES NOTIFICATION CENTER" (U.N.C.I.E.) AT TELEPHONE NUMBER 1-800-432 4770
- 8.- THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS PERTINENT TO HIS CONTRACT PRIOR TO SUBMITTING BIDS OR FABRICATION OF ANY NEW BUILDING COMPONENT.
- 9.- THE ARCHITECTS ACCEPTS NO RESPONSIBILITY FOR THE QUALITY OF MATERIALS SELECTED AS REQUIRED BY THESE DRAWINGS NOR FOR THE WORKMANSHIP PROVIDED IN THE INSTALLATION OF THESE MATERIALS.

10.- ALL DIMENSIONS SHOULD BE VERIFIED AT JOBSITE. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALE DIMENSIONS. ALL OBVIOUS ERRORS AND OMISSIONS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THE WORK

11. DISPOSE OF ALL MATERIALS OFF SITE, ALL MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL STATE AND LOCAL REGULATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMOVAL AND DISCARDING OF ALL WORK WASTE INCLUDING ANY UNFORESEEN ITEMS WITHIN THE SCOPE OF THE PROJECT.

CODE USED:

FLORIDA BUILDING CODE ,
BUILDING AND RESIDENTIAL 2023 8 EDITION

STATEMENT:

IN MY PROFESSIONAL JUDGEMENT AND TO THE BEST OF MY KNOWLEDGE AND BELIEF THESE PLANS AND SPECIFICATIONS ON PLANS COMPLY WITH THE APPLICABLE BUILDING CODES

TERMITE PROTECTION:

1.-AS PER FLORIDA BUILDING CODE 2023, 1816 TERMITE PROTECTION

ALL BUILDINGS COMPONENTS AND BUILDING SURROUNDINGS ARE REQUIRED TO BE PROTECTED FROM TERMITE DAMAGE IN ACCORDANCE WITH 1816.1. SHALL HAVE PRE-CONSTRUCTION TREATMENT PROTECTION AGAINST SUBTERRANEAN TERMITES.

2.- AS PER FLORIDA BUILDING CODE 2023,

A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR RE-INSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL.
THE CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT:

"THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF THE SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."



Revisions:

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