GENERAL NOTES:

GENERAL:

1. CODES:
ACI 318-14
ACI 530-13
AISC - FIFTEENTH EDITION
FLORIDA BUILDING CODE 2023
ASCE 7-22. V= 175 MPH EXP. "C"

2. NO DIMENSIONS SHALL BE SCALED FROM DRAWINGS.

3. GENERAL CONTRACTOR SHALL CHECK, REVIEW AND VERIFY ALL PLANS, DIMENSIONS AND SITE CONDITIONS PRIOR TO CONSTRUCTION. THE ENGINEER OF RECORD SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES OR OMISSIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS, OR ANY VARIATIONS NEEDED IN ORDER TO CONFORM TO THE CODES, RULES AND REGULATIONS.

4. ALL REFERENCED STANDARDS REFER TO THE EDITION ENFORCED AT THE TIME THESE PLANS AND SPECIFICATIONS ARE ISSUED FOR BID.

5. THESE NOTES SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS ISSUED BY THE ARCHITECT.

6. STRUCTURAL DRAWINGS SHALL BE WORKED TOGETHER WITH ARCHITECTURAL, AIR CONDITIONING, MECHANICAL AND ELECTRICAL DRAWINGS TO LOCATE DEPRESSED SLABS, SLOPES, DRAINS, OUTLETS RECESSES, OPENINGS REGLETS, BOLT SETTINGS, SLEEVES, ETC. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.

7. GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL BEFORE FABRICATION OR ERECTION OF ANY STRUCTURAL SYSTEM.

8. GENERAL CONTRACTOR SHALL RESTRICT AND PROPERLY ISOLATE ALL CONSTRUCTION EQUIPMENT AND LOADS FROM INDUCING OR TRANSMITTING VIBRATIONS TO THE STRUCTURE DURING CONSTRUCTION.

9. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL ACCUMULATED WATER FROM EXCAVATIONS AND DEWATERING OPERATIONS IN SUCH A WAY AS TO NOT CAUSE INCONVENIENCE TO THE WORK AND DAMAGE TO THE STRUCTURAL ELEMENTS.

10. WHEN PERFORMING WORK BELOW GRADE, CARE SHALL BE TAKEN TO AVOID DAMAGING ANY EXISTING UTILITIES. ALL UNKNOWN UTILITIES DISCOVERED DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPORTED TO ALL AFFECTED PARTIES, INCLUDING THE ARCHITECT/ENGINEER.

11. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR UPDATING HIS CONSTRUCTION DOCUMENTS WITH ANY REVISED DRAWINGS AND SPECIFICATIONS, FIELD ORDERS, CHANGE ORDERS AND CLARIFICATION SKETCHES ISSUED DURING THE COURSE OF CONSTRUCTION.

12. "BY OTHERS" DENOTES LABOR AND MATERIALS BY OTHERS. HOWEVER THE GENERAL CONTRACTOR SHALL PROVIDE COORDINATION AND FREE ACCESS FOR THE WORK. REFER TO SPECIALTY ENGINEERING NOTES.

13. "N.I.C." DENOTES NOT IN CONTRACT. THE OWNER SHALL BE RESPONSIBLE FOR COORDINATING A TIME SCHEDULE OF THE BASE CONTRACT WITH THE "N.I.C." TRADES.

14. TYPICAL DETAILS AND NOTES ON THESE DRAWINGS SHALL APPLY UNLESS SPECIFICALLY NOTED OTHERWISE. CONSTRUCTION DETAILS AND SECTIONS NOT COMPLETELY SHOWN OR NOTED SHALL BE SIMILAR TO DETAILS AND SECTIONS SHOWN OR NOTED FOR SIMILAR CONDITIONS.

15. THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS AND UTILITIES IN ACCORDANCE WITH THE LOCAL BUILDING DEPARTMENT.

16. BACKFILL AROUND THE EXTERIOR PERIMETER OF WALLS SHALL NOT BE PLACED UNTIL AFTER THE WALLS ARE SUPPORTED BY THE COMPLETION OF INTERIOR FLOOR SYSTEMS. DO NOT PROCEED WITH BACKFILL UNTIL (7) DAYS AS A MINIMUM AFTER THE COMPLETION OF INTERIOR FLOOR SYSTEMS UNLESS WALLS ARE ADEQUATELY BRACED. BACKFILL SHALL NOT BE PLACED UNTIL AFTER COMPLETION AND INSPECTION OF WATERPROOFING WHERE WATERPROOFING OCCURS.

17. TEMPORARY BRACING SHALL BE PROVIDED AS REQUIRED TO HOLD ALL COMPONENTS OF THE STRUCTURE IN PLACE UNTIL FINAL SUPPORT IS SECURELY ANCHORED.

18. THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES OF EVERY KIND, INCLUDING WATER AND POWER, NECESSARY FOR THE PROPER EXECUTION OF THE WORK SHOWN OR INDICATED ON THESE DRAWINGS. ALL MATERIALS SHALL BE NEW MATERIALS AND WORKMANSHIP SHALL BE OF GOOD QUALITY. ALL WORKMEN AND SUBCONTRACTORS SHALL BE SKILLED IN THEIR TRADE.

19. THE CONTRACTOR SHALL ADEQUATELY PROTECT HIS WORK, ADJACENT PROPERTY AND THE PUBLIC, AND BE RESPONSIBLE FOR DAMAGE OR INJURY DUE TO HIS ACT OR NEGLECT.

20. THE PREMISES SHALL BE KEPT FREE FROM ACCUMULATION OF WASTE MATERIALS, AND DEBRIS, AND AT THE END OF THE JOB THE CONTRACTOR SHALL REMOVE ALL RUBBISH, SURPLUS MATERIALS, AND TOOLS AND LEAVE THE BUILDING BROOM CLEAN.

21. JOB SITE VISITS BY THE ENGINEER DO NOT CONSTITUTE AN OFFICIAL INSPECTION, UNLESS SPECIFICALLY CONTRACTED FOR. INSPECTIONS AS REQUIRED BY THE LOCAL BUILDING DEPARTMENT SHALL BE UNDER A SEPARATE CONTRACT.

22. SHOP DRAWINGS ARE AN AID FOR FIELD PLACEMENT AND ARE SUPERSEDED BY THE STRUCTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO MAKE CERTAIN THAT ALL CONSTRUCTION IS IN FULL AGREEMENT WITH THE LATEST STRUCTURAL DRAWINGS.

23. THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH ONE SEPIA COPY AND FOUR BLUE LINE COPIES OF SHOP DRAWINGS A MINIMUM OF TWO WEEKS PRIOR TO PLACEMENT. THE REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS ONLY FOR GENERAL COMPLIANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. THIS REVIEW DOES NOT GUARANTEE IN ANY WAY THAT THE SHOP DRAWINGS ARE CORRECT NOR DOES IT INFER THAT THEY SUPERSEDE THE STRUCTURAL DRAWINGS.

CONCRETE:

1. ALL REINFORCED CONCRETE DESIGN SHALL BE IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI-318).

2. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" ACI-3O1.

3. CONCRETE STRENGTH AT 28 DAYS SHALL BE 4000 PSI. MODULUS OF ELASTICITY OF CONCRETE MIX SHALL BE NOT LESS THAN 57,000 $\sqrt{F'c}$. U.N.O. (FOOTINGS----- 3000 PSI)

4. MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY CONCRETE WORK.

5. NO ADMIXTURE SHALL BE PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.

6. FORMWORK SHALL COMPLY WITH "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK" (ACI 347R).

7. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR SAFE ADEQUATE SHORING, RE-SHORING, BRACING AND FORMWORK. GENERAL CONTRACTOR SHALL CONTRACT A STATE OF FLORIDA REGISTERED ENGINEER TO PREPARE SHORING AND RE-SHORING PLANS TO BE SUBMITTED TO THE ENFORCEMENT AGENCY FOR RECORD KEEPING.

8. THE OWNER SHALL CONTRACT AN INDEPENDENT TESTING LABORATORY APPROVED BY THE ENGINEER TO PERFORM CONCRETE CYLINDER TESTS AS FOLLOWS: FOUR CYLINDER TESTS FOR ANY 50 CUBIC YARDS OF CONCRETE POURED, OR THREE CYLINDER TESTS PER ANY DAY'S POUR LESS THAN 50 CUBIC YARDS.

9. TRANSPORTING, PLACING, CURING AND DEPOSITING OF CONCRETE SHALL COMPLY WITH ACI 301.

10. NO PIPES OR CONDUITS EXCEEDING 1/3 THE SLAB THICKNESS IN OUTSIDE DIAMETER SHALL BE EMBEDDED IN THE STRUCTURAL CONCRETE FLOOR OR ROOF WITHOUT WRITTEN APPROVAL FROM THE ENGINEER. WHERE PIPES OR CONDUITS ARE PERMITTED, THEY SHALL BE PLACED NO CLOSER THAN THREE DIAMETER O/C AND SHALL BE LOCATED SO AS NOT TO IMPAIR THE STRENGTH OF THE STRUCTURE. JUNCTION BOXES MAY BE PLACED IN STRUCTURAL CONCRETE SLABS BUT SHALL NOT EXCEED 4 1/2" X 4 1/2" X 3 1/2" IN DEPTH, AND SHALL BE SEPARATED FROM OTHER JUNCTION BOXES BY NOT LESS THAN 8".

11. NO WATER SHALL BE ADDED TO THE CONCRETE AT THE JOB SITE.

12. ALL PLUMBING & ELECTRICAL SLOTS SHALL BE FILLED WITH CONCRETE TO THE TOP OF THE FLOOR SLAB AFTER PIPING OR CONDUIT IS INSTALLED.

13. ALL BEAMS, SPANDREL BEAMS & FLOOR SLABS, SHALL BE PLACED MONOLITHICALLY AND THE FLOOR SLAB FINISHED AS REQUIRED ON THE SPECIFICATIONS.

14. VERTICAL CONSTRUCTION JOINTS USING APPROVED BULKHEADS MAY BE MADE AT CENTER OF BEAM OR SLAB SPANS WHERE STOP IN CONCRETE WORK IS NECESSARY. FOR ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS SEE DETAILS. ANY OTHER CONSTRUCTION JOINT REQUESTED BY THE GENERAL CONTRACTOR SHALL BE SHOWN ON THE SHOP DRAWINGS FOR THE ENGINEER'S REVIEW.

15. REMOVE ALL DEBRIS FROM FORMS BEFORE POURING.

16. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALLS, COLUMNS) SO AS TO CAUSE SEGREGATION OF AGGREGATES. USE HOPPERS, CHUTES OR TRUNKS OF VARYING LENGTHS SO THAT THE FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED 5 FEET, AND A SUFFICIENT NUMBER SHALL BE USED TO ENSURE THE CONCRETE IS BEING KEPT LEVEL AT ALL TIMES.

WOOD:

1. ALL WOOD TRUSSES SHALL BE DESIGNED BY THE FABRICATOR SHOP DRAWINGS BEARING THE SEAL OF AN ENGINEER REGISTERED IN THE STATE OF FLORIDA SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER FOR APPROVAL PRIOR TO FABRICATION
2. ALL LUMBER FOR JOISTS, RAFTERS BEAMS AND STUDS FOR BEARING PARTITIONS SHALL BE SOUTHERN YELLOW PINE #2 AND SHALL HAVE A MINIMUM EXTREME FIBER STRESS IN BENDING OF Fb=1200 P.S.I. (E=1760000 P.S.I.)
3. ALL PLYWOOD FOR ROOF SHEATHING SHALL BE 23/32" APA RATED EXPOSURE 1 CDX

REINFORCING STEEL:

1. ALL REINFORCING STEEL SHALL BE DEFORMED BARS, FREE FROM LOOSE RUST AND SCALE CONFORMING TO ASTM A615 (S1), FY=60 KSI, U.O.N.

2. ALL REINFORCING SHALL BE DETAILED AND FABRICATED FOLLOWING THE REQUIREMENTS OF ACI 315. PLACING OF REBARS SHALL CONFORM TO "CRSI RECOMMENDED PRACTICES FOR PLACING REINFORCING BARS". SUBMIT SHOP DRAWINGS

3. MINIMUM CONCRETE COVER ON REINFORCING STEEL SHALL BE AS FOLLOWS, U.O.N.:

MINIMUM COVER
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH____ 3"

EXPOSED TO EARTH OR WEATHER:
NO. 5 AND SMALLER BARS _____ 1 1/2"
NO. 6 AND LARGER BARS _____ 2"

NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:

ROOF SLAB _____ 3/4"
STRUCTURAL SLABS AND WALLS_____ 3/4"
BEAMS AND COLUMNS (TIES, STIRRUPS AND SPIRALS) _____ 1 1/2"
SLABS ON GRADE _____ 1 1/2"

4. NO DEVIATION FROM THE STRUCTURAL PLANS SHALL BE PERMITTED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE STRUCTURAL ENGINEER. ALL REINFORCING DETAILS SHALL BE SUBMITTED TO THE ENGINEER FOR HIS APPROVAL.

5. ALL REINFORCING BARS SHALL BE SECURELY HELD IN PLACE DURING CONCRETE POURING. IF REQUIRED, ADDITIONAL BARS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT FOR THE BARS.

6. BARS SUPPORTS SHALL BE PLASTIC TIPPED FOR EXPOSED CONCRETE. LEGS OF FOUNDATIONS CHAIRS SHALL BE GALVANIZED. PLASTIC "DONUT" SPACERS WILL BE REQUIRED FOR STEEL AGAINST FORMS IN CONCRETE BEAMS & WALLS IF FIELD CONDITIONS WARRANT.

7. WELDED WIRE FABRIC SHALL CONFORM WITH ASTM A185 AND IT SHALL BE SUPPORTED ON SLAB BOLSTERS. USE FLAT SHEETS ONLY.

8. REINFORCING IS DENOTED ON PLANS THUS:
BOTTOM BARS ----------
TOP BARS _____
FOR SIZE AND SPAICING OF REINFORCING SEE PLANS, SCHEDULES AND DETAILS.

9. ALL REINFORCING BARS MARKED "CONTINUOUS" SHALL BE LAPPED AT SPLICES AND CORNERS UNLESS OTHERWISE NOTED. LAP CONTINUOUS TOP BARS AT CENTER BETWEEN SUPPORTS AS REQUIRED. TERMINATE CONTINUOUS BARS AT NON-CONTINUOUS ENDS WITH STANDARD HOOKS. U.O.N.

10. ALL WALLS AND COLUMNS SHALL BE DOWELED INTO FOUNDATION, WALLS, BEAMS, OR SLABS WITH BARS OF THE SAME SIZE AND SPACING AS THE BARS ABOVE. USE A (36) BAR DIAMETER LAP EXCEPT WHERE SPECIFICALLY INDICATED OTHERWISE.

11. VERTICAL WALL BARS SHALL BE SPLICED AT OR NEAR FLOOR LINES. SPLICE BARS IN SPANDRELS, WALLS, BEAMS, GRADE BEAMS ETC., (UNLESS OTHERWISE NOTED) AS FOLLOWS; TOP BARS AT CENTER LINE OF SPAN, BOTTOM BARS AT THE SUPPORT.

12. FOR EXTERIOR SLABS SUCH AS OPEN TERRACES THAT ARE EXPOSED TO WEATHER, TOP REINFORCING SHALL HAVE A MINIMUM COVER 1". (CONCRETE WATER CEMENT RATIO SHALL NOT EXCEED 0.40 BY WEIGHT AND ALSO A SURFACE PENETRANT OF THE ALKYL-ALKYOXY SILANE CLASSIFICATION OR APPROVED EQUAL SHALL BE APPLIED AFTER PROPER SURFACE PREPARATION FOR THE ABOVE MENTIONED AREAS). DCI CORROSION INHIBIDOR OR APPROVED EQUAL SHALL BE ADDED TO THE CONCRETE MIX DESIGN.

MASONRY:

REINFORCED MASONRY

1. CONSTRUCT REINFORCED MASONRY IN ACCORDANCE WITH ACI 531, "BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES" AND/OR "SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF LOAD-BEARING CONCRETE MASONRY" N.C.M.A. LAY UP MASONRY UNITS IN RUNNING BOND.

2. USE CONCRETE MASONRY UNITS CONFORMING TO ASTM C90 GRADE N-1. MINIMUM COMPRESSIVE STRENGTH OF ANY UNIT SHALL BE OF 1900 PSI FOR AN f'm OF 1500 PSI. USE ONLY MASONRY UNITS THAT ARE A MIN. OF 50% SOLID.

3. TEST ONE SET OF MASONRY UNITS IN ADVANCE OF BEGINNING OPERATIONS AND ONE SET DURING CONSTRUCTION FOR EACH 5000 SQ. FT. OF WALL AREA. SAMPLE FROM ACTUAL FIELD UNITS.

4. EXCAVATION FOR FOOTINGS AND GRADE BEAMS SHALL BE FINISHED BY HAND SHOVEL.

5. IN NO CASE SHALL TRUCKS, BULLDOZERS OR OTHER HEAVY EQUIPMENT BE PERMITTED CLOSER THAN 8'-0" FROM ANY FOUNDATION WALL UNLESS APPROVED BY THE ENGINEER.

6. GENERAL CONTRACTOR SHALL INSTALL ALL PIPE SLEEVES, BOXED OPENINGS, ANCHOR BOLTS, ETC., AS REQUIRED FOR THE VARIOUS TRADES. WALL POCKETS TO RECEIVE BEAMS AND SLABS SHALL BE PROVIDED AS REQUIRED FOR THE SUPER- STRUCTURE. SHOP DRAWINGS SHOWING THE POSITION OF OPENINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER PRIOR TO PLACEMENT OF CONCRETE.

7. CONCRETE COMPRESSIVE STRENGTH, F'c. FOR FOUNDATION WORK SHALL BE 3000 PSI AT 28 DAYS, WITH A WATER-CEMENT RATIO OF 0.45.

8. ALL REINFORCING STEEL USED IN FOUNDATION WORK SHALL COMPLY WITH ASTM A625-83 (S1), GRADE 60. SEE "REINFORCING STEEL" UNDER "GENERAL NOTES".

9. VISUAL INSPECTION INDICATES THAT THE SOIL CONDITIONS AT THIS SITE ARE ADEQUATE TO SUPPORT THE DESIGN LOAD OF 2000 PSF (ALLOWABLE SOIL BEARING CAPACITY OF 2000 PSF). SHOULD OTHER CONDITIONS OR MATERIALS BE ENCOUNTERED, THE ENGINEER (ARCHITECT) SHALL BE NOTIFIED BEFORE PROCEEDING WITH THE WORK. AT THE TIME OF CONSTRUCTION THE PROFESSIONAL ENGINEER SHALL SUBMIT TO THE BUILDING OFFICIAL A LETTER ATTESTING THAT THE SITE HAS BEEN OBSERVED AND THE FOUNDATION CONDITIONS ARE SIMILAR TO THOSE UPON WHICH THE DESIGN IS BASED PER FBC R4404.2.2.

SHOP DRAWING AND OTHER SUBMITTALS

1. REVIEW OF SUBMITTALS BY THE STRUCTURAL ENGINEER IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AS PRESENTED BY THE CONTRACT DOCUMENTS. NO DETAILED CHECK OF QUANTITIES OR DIMENSIONS WILL BE MADE. ONLY THOSE SUBMITTALS REQUIRED BY THE CONTRACT DOCUMENTS TO BE SUBMITTED WILL BE REVIEWED. ALL OTHERS WILL BE RETURNED WITHOUT COMMENT.

2. BEFORE SUBMITTING THE FIRST SHOP DRAWING, SUBMIT THE SHOP DRAWING SUBMITTAL SCHEDULE, PREPARED BY THE CONTRACTOR TO THE STRUCTURAL ENGINEER CONSISTENT WITH THE FOLLOWING CRITERIA:
A) ALLOW ADEQUATE TIME FOR TRANSIT AND PROCESSING BEFORE FABRICATION. THE STRUCTURAL ENGINEER WILL REVIEW AN AVERAGE SUBMITTAL WITHIN 14 CALENDAR DAYS OF RECEIPT BY THEM.
B) SCHEDULE AND SUBMIT SHOP DRAWINGS FOR SPECIFIC COMPONENTS, SUCH AS COLUMNS, FOOTINGS, ETC., IN THEIR ENTIRETY. SHOP DRAWINGS FOR SIMILAR FLOORS SHALL BE SUBMITTED IN THE SAME PACKAGE. SUBMIT SHOP DRAWINGS IN A TIMELY MANNER, CONSISTENT WITH THE ABOVE.

3. REVIEW OF SHOP DRAWINGS IS LIMITED TO TWO (2) REVIEWS PER SUBMITTAL WITHIN THE SCOPE OF BASIC SERVICES (I.E., INITIAL SUBMITTAL REVIEW AND ONE RESUBMITTAL, IF NECESSARY). REVIEW OF ADDITIONAL RESUBMITTALS WILL BE CONSIDERED ADDITIONAL SERVICES, FOR WHICH THE GENERAL CONTRACTOR MAY BE HELD RESPONSIBLE. ADDITIONAL SERVICES COMPENSATION TO THE ENGINEER WILL BE IN ACCORDANCE WITH THE TERMS OF THE ARCHITECT-ENGINEER AGREEMENT FOR THIS PROJECT.

4. ALL SUBMITTALS SHALL BE ACCOMPANIED BY A LETTER OF TRANSMITTAL. DO NOT COMBINE DIFFERENT SUBMITTALS ON THE SAME TRANSMITTAL.

5. ALL SHOP DRAWINGS MUST BEAR EVIDENCE OF THE CONTRACTOR'S APPROVAL PRIOR TO SUBMITTING TO THE A/E.

6. SUBMIT ONE REPRODUCIBLE AND TWO BLUELINE PRINTS TO THE ARCHITECT/ENGINEER FOR REVIEW. THE ARCHITECT/ENGINEER WILL RETURN THE REPRODUCIBLE AND RETAIN BLUELINES AFTER REVIEW.

7. ALL CHANGES AND ADDITIONS MADE ON RE-SUBMITTALS MUST BE CLEARLY FLAGGED AND NOTED. THE PURPOSE OF THE RE-SUBMITTALS MUST BE CLEARLY NOTED ON THE LETTER OF TRANSMITTAL. ARCHITECT/ENGINEER REVIEW WILL BE LIMITED TO THOSE ITEMS CAUSING THE RE-SUBMITTAL.

8. DO NOT REPRODUCE THE STRUCTURAL CONTRACT DOCUMENTS FOR USE AS SHOP DRAWINGS.

9. SHOP DRAWINGS NOT MEETING THE ABOVE CRITERIA OR SUBMITTED AFTER FABRICATION WILL NOT BE REVIEWED.

10. FOR ADDITIONAL CRITERIA APPLICABLE TO SHOP DRAWINGS REQUIRING ENGINEERING INPUT BY A SPECIALTY ENGINEER, SEE SPECIALTY ENGINEER NOTES.

11. SUBMITTALS TO STRUCTURAL ENGINEER:
a. CONCRETE TEST REPORT FOR CAST-IN-PLACE CONCRETE AS PER 318-11.
b. REINFORCING STEEL SHOP DRAWINGS.
c. WOOD TRUSSES LAYOUT, SHOP DRAWINGS AND ALL DESIGN DATA.

FOUNDATION NOTES

1. ALL FOUNDATION CONCRETE SHALL BE CAST IN THE DRY. DEWATERING OPERATION SHALL BE DONE IN SUCH A WAY THAT GROUND WATER LEVELS OUTSIDE THE SITE WILL BE MAINTAINED TO AVOID SETTLEMENT AND DAMAGE TO NEARBY BUILDINGS AND STRUCTURES.

2. THE ARCHITECT/ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY INTERPRETATION THAT THE SUBSURFACE CONDITIONS DESCRIBED IN THE TEST BORING LOGS OCCUR CONSISTENTLY THROUGHOUT THE JOB SITE. TEST BORINGS ARE INCLUDED ONLY TO ASSIST THE CONTRACTOR DURING BIDDING AND SUBSEQUENT CONSTRUCTION AND REPRESENT SOIL CONDITIONS ONLY AT THE SPECIFIC LOCATIONS AND AT THE PARTICULAR TIMES THEY WERE TAKEN.

3. GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SHORING, SHEETHING AND BRACING OF EXCAVATIONS.

4. EXCAVATION FOR FOOTINGS AND GRADE BEAMS SHALL BE FINISHED BY HAND SHOVEL.

5. IN NO CASE SHALL TRUCKS, BULLDOZERS OR OTHER HEAVY EQUIPMENT BE PERMITTED CLOSER THAN 8'-0" FROM ANY FOUNDATION WALL UNLESS APPROVED BY THE ENGINEER.

6. GENERAL CONTRACTOR SHALL INSTALL ALL PIPE SLEEVES, BOXED OPENINGS, ANCHOR BOLTS, ETC., AS REQUIRED FOR THE VARIOUS TRADES. WALL POCKETS TO RECEIVE BEAMS AND SLABS SHALL BE PROVIDED AS REQUIRED FOR THE SUPER- STRUCTURE. SHOP DRAWINGS SHOWING THE POSITION OF OPENINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER PRIOR TO PLACEMENT OF CONCRETE.

7. CONCRETE COMPRESSIVE STRENGTH, F'c. FOR FOUNDATION WORK SHALL BE 3000 PSI AT 28 DAYS, WITH A WATER-CEMENT RATIO OF 0.45.

8. ALL REINFORCING STEEL USED IN FOUNDATION WORK SHALL COMPLY WITH ASTM A625-83 (S1), GRADE 60. SEE "REINFORCING STEEL" UNDER "GENERAL NOTES".

9. VISUAL INSPECTION INDICATES THAT THE SOIL CONDITIONS AT THIS SITE ARE ADEQUATE TO SUPPORT THE DESIGN LOAD OF 2000 PSF (ALLOWABLE SOIL BEARING CAPACITY OF 2000 PSF). SHOULD OTHER CONDITIONS OR MATERIALS BE ENCOUNTERED, THE ENGINEER (ARCHITECT) SHALL BE NOTIFIED BEFORE PROCEEDING WITH THE WORK. AT THE TIME OF CONSTRUCTION THE PROFESSIONAL ENGINEER SHALL SUBMIT TO THE BUILDING OFFICIAL A LETTER ATTESTING THAT THE SITE HAS BEEN OBSERVED AND THE FOUNDATION CONDITIONS ARE SIMILAR TO THOSE UPON WHICH THE DESIGN IS BASED PER FBC R4404.2.2.

SHOP DRAWING AND OTHER SUBMITTALS

1. REVIEW OF SUBMITTALS BY THE STRUCTURAL ENGINEER IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AS PRESENTED BY THE CONTRACT DOCUMENTS. NO DETAILED CHECK OF QUANTITIES OR DIMENSIONS WILL BE MADE. ONLY THOSE SUBMITTALS REQUIRED BY THE CONTRACT DOCUMENTS TO BE SUBMITTED WILL BE REVIEWED. ALL OTHERS WILL BE RETURNED WITHOUT COMMENT.

2. BEFORE SUBMITTING THE FIRST SHOP DRAWING, SUBMIT THE SHOP DRAWING SUBMITTAL SCHEDULE, PREPARED BY THE CONTRACTOR TO THE STRUCTURAL ENGINEER CONSISTENT WITH THE FOLLOWING CRITERIA:
A) ALLOW ADEQUATE TIME FOR TRANSIT AND PROCESSING BEFORE FABRICATION. THE STRUCTURAL ENGINEER WILL REVIEW AN AVERAGE SUBMITTAL WITHIN 14 CALENDAR DAYS OF RECEIPT BY THEM.
B) SCHEDULE AND SUBMIT SHOP DRAWINGS FOR SPECIFIC COMPONENTS, SUCH AS COLUMNS, FOOTINGS, ETC., IN THEIR ENTIRETY. SHOP DRAWINGS FOR SIMILAR FLOORS SHALL BE SUBMITTED IN THE SAME PACKAGE. SUBMIT SHOP DRAWINGS IN A TIMELY MANNER, CONSISTENT WITH THE ABOVE.

3. REVIEW OF SHOP DRAWINGS IS LIMITED TO TWO (2) REVIEWS PER SUBMITTAL WITHIN THE SCOPE OF BASIC SERVICES (I.E., INITIAL SUBMITTAL REVIEW AND ONE RESUBMITTAL, IF NECESSARY). REVIEW OF ADDITIONAL RESUBMITTALS WILL BE CONSIDERED ADDITIONAL SERVICES, FOR WHICH THE GENERAL CONTRACTOR MAY BE HELD RESPONSIBLE. ADDITIONAL SERVICES COMPENSATION TO THE ENGINEER WILL BE IN ACCORDANCE WITH THE TERMS OF THE ARCHITECT-ENGINEER AGREEMENT FOR THIS PROJECT.

4. ALL SUBMITTALS SHALL BE ACCOMPANIED BY A LETTER OF TRANSMITTAL. DO NOT COMBINE DIFFERENT SUBMITTALS ON THE SAME TRANSMITTAL.

5. ALL SHOP DRAWINGS MUST BEAR EVIDENCE OF THE CONTRACTOR'S APPROVAL PRIOR TO SUBMITTING TO THE A/E.

6. SUBMIT ONE REPRODUCIBLE AND TWO BLUELINE PRINTS TO THE ARCHITECT/ENGINEER FOR REVIEW. THE ARCHITECT/ENGINEER WILL RETURN THE REPRODUCIBLE AND RETAIN BLUELINES AFTER REVIEW.

7. ALL CHANGES AND ADDITIONS MADE ON RE-SUBMITTALS MUST BE CLEARLY FLAGGED AND NOTED. THE PURPOSE OF THE RE-SUBMITTALS MUST BE CLEARLY NOTED ON THE LETTER OF TRANSMITTAL. ARCHITECT/ENGINEER REVIEW WILL BE LIMITED TO THOSE ITEMS CAUSING THE RE-SUBMITTAL.

8. DO NOT REPRODUCE THE STRUCTURAL CONTRACT DOCUMENTS FOR USE AS SHOP DRAWINGS.

9. SHOP DRAWINGS NOT MEETING THE ABOVE CRITERIA OR SUBMITTED AFTER FABRICATION WILL NOT BE REVIEWED.

10. FOR ADDITIONAL CRITERIA APPLICABLE TO SHOP DRAWINGS REQUIRING ENGINEERING INPUT BY A SPECIALTY ENGINEER, SEE SPECIALTY ENGINEER NOTES.

11. SUBMITTALS TO STRUCTURAL ENGINEER:
a. CONCRETE TEST REPORT FOR CAST-IN-PLACE CONCRETE AS PER 318-11.
b. REINFORCING STEEL SHOP DRAWINGS.
c. WOOD TRUSSES LAYOUT, SHOP DRAWINGS AND ALL DESIGN DATA.

SPECIALTY DELEGATED ENGINEERING NOTES

1. SPECIALTY DELEGATED ENGINEER:

A) DEFINITION - A FLORIDA REGISTERED PROFESSIONAL ENGINEER, NOT THE STRUCTURAL ENGINEER OF RECORD, WHO SPECIALIZES IN AND WHO UNDERTAKES THE DESIGN OF STRUCTURAL COMPONENTS OR STRUCTURAL SYSTEMS INCLUDED IN A SPECIFIC SUBMITTAL PREPARED FOR THIS PROJECT.
B) SHALL BE:
1) AN EMPLOYEE OR OFFICER OF A FABRICATOR.
2) AN EMPLOYEE OR OFFICER OF AN ENTITY SUPPLYING COMPONENTS TO A FABRICATOR.
3) AN INDEPENDENT CONSULTANT RETAINED BY THE FABRICATOR OR HIS SUPPLIER.

2. SUBMISSIONS AND RE-SUBMISSIONS FOR CUSTOM DESIGNED, MANUFACTURED OR FABRICATED LOAD-CARRYING ITEMS AND CUSTOM FABRICATED ITEMS WHICH ARE REQUIRED BY CODES OR STANDARDS TO RESIST FORCES AND STRESSES, INCLUDING THEIR CONNECTIONS, ANCHORAGES AND ATTACHMENTS REQUIRE A SPECIALTY ENGINEER.

3. THE FOLLOWING SYSTEMS AND COMPONENTS, AS A MINIMUM, REQUIRE FABRICATION AND ERECTION DRAWINGS WITH INPUT BY A SPECIALTY ENGINEER:
a. RAILINGS
b. EXTERIOR DOORS AND WINDOWS
c. SHORING AND RESHORING
d. STEEL STAIRS

4. FOR EACH CATEGORY OF SHOP DRAWINGS REQUIRING INPUT FROM A SPECIALTY ENGINEER, THE CONTRACTOR SHALL ATTACH TO THE FIRST SHOP DRAWING SUBMITTAL A SIGNED AND SEALED LETTER FROM THE RESPONSIBLE SPECIALTY ENGINEER STATING, "I CERTIFY THAT THE DESIGN AND DRAFTING OF THE SHOP DRAWINGS WHICH ARE SIGNED AND SEALED BY ME WERE PREPARED UNDER MY DIRECT SUPERVISION AND CONTROL AND TO THE BEST OF MY KNOWLEDGE THE SHOP DRAWINGS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE CONTRACT DOCUMENTS."

5. SUBMITTALS SHALL CLEARLY IDENTIFY THE SPECIFIC PROJECT AND APPLICABLE CODES, LIST THE DESIGN CRITERIA, AND SHOW ALL DETAILS AND PLANS NECESSARY FOR PROPER FABRICATION AND INSTALLATION. CALCULATIONS AND SHOP DRAWINGS SHALL IDENTIFY SPECIFIC PRODUCTS UTILIZED. GENERIC PRODUCTS WILL NOT BE ACCEPTED.

6. SHOP DRAWINGS AND CALCULATIONS REQUIRE THE IMPRESSED SEAL, DATE AND SIGNATURE OF THE SPECIALTY ENGINEER. COMPUTER PRINTOUTS ARE AN ACCEPTABLE SUBSTITUTE FOR MANUAL COMPUTATIONS PROVIDED THEY ARE ACCOMPANIED BY SUFFICIENT DESCRIPTIVE INFORMATION TO PERMIT THEIR PROPER EVALUATION. SUCH DESCRIPTIVE INFORMATION SHALL BEAR THE IMPRESSED SEAL AND SIGNATURE OF THE SPECIALTY ENGINEER AS AN INDICATION THAT HE HAS ACCEPTED RESPONSIBILITY FOR THE RESULTS. SEPIAS DO NOT REQUIRE SIGNATURE AND SEAL. THE STRUCTURAL ENGINEER WILL RETAIN ONE SIGNED AND SEALED BLUELINE PRINT FOR RECORD.

7. DRAWINGS PREPARED SOLELY TO SERVE AS A GUIDE FOR FABRICATION AND INSTALLATION (SUCH AS REINFORCING STEEL SHOP DRAWINGS OR STRUCTURAL STEEL ERECTION DRAWINGS) AND REQUIRING NO ENGINEERING INPUT DO NOT REQUIRE THE SEAL OF A SPECIALTY ENGINEER.

8. CATALOG INFORMATION ON STANDARD PRODUCTS DOES NOT REQUIRE THE SEAL OF A SPECIALTY ENGINEER.

9. REVIEW BY THE STRUCTURAL ENGINEER OF RECORD OF SUBMITTALS IS LIMIT