

GENERAL NOTES

00200 BUILDING CODES:

THE GOVERNING CODES FOR THIS PROJECT ARE:

–2023 FLORIDA BUILDING CODE ,8th EDITION.
–ASCE 7–22
–ACI 318–19 / –ACI 530–16 / –ACI 530.1–13
–AISC 2017
–ANSI B18.6.1–81(2016)
–ANSI/AWC NDS–2018
–AWS B2.1–2014 / AWS D1.1–2020
–TMS 402–2022 / TMS 602–2022
–WRI/CRSI–81

TO THE BEST OF MY KNOWLEDGE, THE STRUCTURAL PLANS, AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE GOVERNING CODES.

00500 STRUCTURAL LOADING:

THE STRUCTURE HAS BEEN DESIGNED IN ACCORD WITH THE BUILDING CODE AND/OR MORE RESTRICTIVE REQUIREMENTS FOR LOADS AS GIVEN BELOW UNLESS SPECIFIC AREAS OF THE DRAWING SPECIFICALLY CALL FOR DIFFERENT LOADING CRITERIA. REFER TO DRAWINGS FOR LOAD SCHEDULE.

DESIGN LOADS:

ROOF LIVE LOAD = 20 PSF
TRUSSES ROOF DEAD LOAD = 35 PSF

WIND:

ULTIMATE WIND SPEED = 175 MPH ; EXPOSURE "C".
BUILDING RISK CATEGORY = II ; Kd=0.85
INTERNAL PRESSURE COEFFICIENT, GCP = ± 0.18 (ENCLOSED BUILDING PER ASCE 7, SECTION 6)

01051 DRAWING DIMENSIONS AND COORDINATION:

DIMENSIONAL INFORMATION, PRICING, ALL DETAILS AND CONSTRUCTION SHALL BE BASED ON THE ENTIRE SET OF CONTRACT DOCUMENTS. COORDINATE THE REQUIREMENTS OF ALL PROFESSIONALS. USE INFORMATION FROM APPROVED SHOP DRAWINGS TO SUPPLEMENT CONTRACT DOCUMENTS WHERE NECESSARY. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING. IF A CONFLICT EXISTS, THE MORE STRINGENT GOVERNS.

THE CONTRACTOR MUST USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, CIVIL, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS TO COORDINATE LOCATION OF DEPRESSED SLABS, SLOPES, DRAINS, OUTLETS, RECESSES, OPENINGS, REGLETS, BOLT SETTINGS, SLEEVES, DIMENSIONS, ETC. (DRAWINGS NOT TO BE SCALED). DISCREPANCIES BETWEEN INFORMATION PRESENTED WITHIN PROJECT SPECIFICATIONS AND WITHIN STRUCTURAL NOTES ON PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BY THE CONTRACTOR PRIOR TO PRESENTING HIS OR HER BID. IF SUCH A DISCREPANCY IS DISCOVERED SUBSEQUENT TO BIDDING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE OPTION SUBSEQUENTLY SELECTED BY THE ENGINEER AT NO ADDITIONAL COST. CONTRACTORS SHALL BE RESPONSIBLE FOR FINAL VERIFICATION OF ALL DIMENSIONS, ELEVATIONS, CLEARANCES, ETC. OF THE FRAMING SHOWN ON THE STRUCTURAL DRAWINGS AGAINST INFORMATION PROVIDED BY MANUFACTURERS OF SELECTED MECHANICAL EQUIPMENT PRIOR TO PROCEEDING WITH ANY RELATED PORTION OF WORK. ITEMS REQUIRING SUCH REVIEW SHALL INCLUDE ELEVATORS (ELEVATOR PITS, BEAMS ABOVE ELEVATORS DOORS, ETC.) ESCALATORS, DUCTS, COOLING TOWERS, ETC. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY REMEDIAL WORK AND FOR ITS IMPACT ON THE WORK SCHEDULE RESULTING FROM FAILURE TO PROVIDE EARLY NOTIFICATION OF SUCH CONFLICTS TO THE DESIGN TEAM. POTENTIAL CONFLICTS, ERRORS OR OMISSIONS PRESENT WITHIN THE DRAWINGS (WHETHER WITHIN STRUCTURAL DRAWINGS OR BETWEEN STRUCTURAL, ARCHITECTURAL AND M.E.P. DRAWINGS) SHALL BE IDENTIFIED BY THE CONTRACTOR DURING HIS/HER EARLY REVIEW OF THE PROJECT DOCUMENTS. SUCH CONFLICTS, ERRORS OR OMISSIONS SHALL BE COMMUNICATED TO THE ARCHITECT IN WRITING PRIOR TO COMMENCEMENT OF WORK. IN THE EVENT OF FAILURE TO PROVIDE SUCH A NOTICE AND SUFFICIENT TIME FOR A RESPONSE, THE CONTRACTOR SHALL BECOME RESPONSIBLE FOR COST OF ALL WORK OR REMEDIAL WORK RESULTING FROM SUCH CONFLICTS, ERRORS OR OMISSION, AS WELL AS FOR ITS IMPACT ON THE PROJECT SCHEDULE. (CONTRACTOR AGREES THAT HE WILL HOLD OWNER, ARCHITECT, ENGINEER, AND/OR ANY OF THEIR EMPLOYEES OR AGENTS, HARMLESS FROM ANY AND ALL DAMAGE AND CLAIMS WHICH MAY ARISE BY A REASON OF ANY NEGLIGENCE ON THE PART OF THE CONTRACTOR, OR ANY OF HIS SUBCONTRACTORS, OR ANY MATERIAL AND EQUIPMENT SUPPLIERS, AND/OR ANY OF THEIR EMPLOYEES OR AGENTS, IN THE PERFORMANCE OF THIS CONTRACT. IN CASE ANY ACTION IS BROUGHT AGAINST THE OWNER, OR ARCHITECT, OR ENGINEER, OR ANY OF THEIR EMPLOYEES OR AGENTS, CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DEFENSE THEREOF, TO THE FULL SATISFACTION OF THE LATTER PARTY.

WHERE CRITICAL DIMENSIONS CANNOT BE DETERMINED FROM THE PLANS, OR WHERE NEW WORK ADJOINS EXISTING CONSTRUCTION, OR WHERE ONE MATERIAL ADJOINS A PREVIOUSLY PLACED MATERIAL WITH A MORE RESTRICTIVE TOLERANCE THAN THE IN-PLACE MATERIAL, CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AS REQUIRED TO COMPLETE SHOP DRAWINGS AND INSTALLATION. REPORT ANY DISCREPANCIES EXCEEDING 3% BETWEEN FIELD MEASURED DIMENSIONS AND SCALED DRAWING DIMENSIONS TO ARCHITECT BEFORE PROCEEDING WITH WORK. DO NOT SCALE DRAWINGS; USE DIMENSIONS.

NOT ALL OPENINGS OR EQUIPMENT ARE SHOWN ON THE STRUCTURAL DRAWINGS, AND IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO COORDINATE WITH THE SUBCONTRACTORS AND EQUIPMENT SUPPLIERS/MANUFACTURERS. EQUIPMENT BEING SUPPORTED BY OR SUSPENDED FROM THE STRUCTURE SHALL BE COORDINATED WITH THE MANUFACTURER OF ANY PRE–ENGINEERED FRAMING OR COMPONENTS. ALL OPENINGS SHALL BE PROPERLY REINFORCED AS APPROVED BY THE ENGINEER.

FOR CLARITY, ALL ROOF, WALL AND/OR FLOOR OPENINGS MAY NOT BE SHOWN ON STRUCTURAL DRAWINGS. FOR EXACT SIZE, NUMBER AND LOCATION OF OPENINGS, SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. FOR FRAMING AT OPENINGS, SEE TYPICAL STRUCTURAL DETAILS. VERIFY ALL SIZES, WEIGHTS AND LOCATION OF MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTS, ETC. WITH MECHANICAL AND ELECTRICAL ENGINEERS THROUGH ARCHITECT.

WHERE A LINE OF STRUCTURE, OPENING LOCATION, OR DIMENSION IS CRITICAL AND BASED ON THE REQUIREMENTS OF ANOTHER TRADE OR SUBCONTRACTOR, THAT SUBCONTRACTOR SHALL SUBMIT A SHOP DRAWING WITH THE REQUIRED DIMENSIONAL INFORMATION UPON WHICH THE CONTRACTOR SHALL BASE THE LAYOUT AND CONSTRUCTION. THIS PROCEDURE IS MANDATORY FOR CURTAIN WALL SYSTEMS, ARCHITECTURAL PRECAST SYSTEMS, AND ALL MECHANICAL AND ELECTRICAL OPENINGS.

THE ENGINEER WILL CLOUD OR OTHERWISE INDICATE REVISIONS TO THESE DOCUMENTS ONLY AFTER THEY HAVE BEEN ISSUED FOR CONSTRUCTION OR FINAL PRICING. CHANGES PRIOR TO THAT DATE WILL NOT BE CLOUDED. CHANGES AND/OR REVISIONS AFTER THE CONSTRUCTION OR FINAL PRICING ISSUE WILL BE CLOUDED IN AN ATTEMPT TO BRING TO THE CONTRACTOR'S ATTENTION ANY MAJOR ITEMS, HOWEVER, IT SHALL BE SOLELY THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE PRICING AND CONSTRUCTION OF ALL REQUIREMENTS OF THESE DOCUMENTS, INCLUDING REVISIONS (FLAGGED OR UN-FLAGGED) WITH ALL OF HIS SUPPLIERS AND SUBCONTRACTORS. REVISIONS ARE IDENTIFIED BY A REVISION NUMBER WITHIN A TRIANGLE. ALL REVISIONS ISSUED ON A SINGLE DATE WILL BE IDENTIFIED BY THE SAME NUMBER.

CONSTRUCTION TO COMPLY WITH REQUIREMENTS OF THE GOVERNING BUILDING CODE, AND ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL CODES, STANDARDS, REGULATIONS AND LAWS.

DETAILS LABELED AS "TYPICAL DETAILS" ON DRAWINGS AND DETAIL SHEETS, APPLY TO ALL SITUATIONS THAT ARE SIMILAR OR SAME AS THOSE SPECIFICALLY DETAILED. SUCH DETAILS APPLY WHETHER OR NOT THEY ARE KEYS AT EACH LOCATION ON PLAN DRAWINGS. QUESTIONS REGARDING APPLICABILITY OF DETAILS SHALL BE RESOLVED BY THE ARCHITECT OR ENGINEER.

CONSTRUCTION DOCUMENTS MUST GET APPROVAL FROM PERMITTING AGENCIES, THUS IT IS UNDERSTOOD THIS SET OF STRUCTURAL DRAWINGS IS NOT ON FINAL FORM UNTIL IT BEARS THE BUILDING DEPARTMENT PLANS REVIEW PROCESS STAMP AND SIGNATURE OF APPROVAL.

01100 SCOPE OF SERVICE:

THE STRUCTURAL ENGINEER OF RECORD HAS DESIGNED AND IS RESPONSIBLE FOR ONLY THE SPECIFIC STRUCTURAL COMPONENTS SHOWN IN THIS SET OF STRUCTURAL CONSTRUCTION DOCUMENTS. IF A SPECIALTY ENGINEER, AS DEFINED BY THE DEPARTMENT OF PROFESSIONAL REGULATION, IS REQUIRED, HIS SERVICES MUST COMPLY WITH THE SCOPE OF SERVICES AS OUTLINED IN THE PROJECT CONSTRUCTION DOCUMENTS.

CONTRACTOR TO NOTE THAT THE STRUCTURE WAS DESIGNED TO BE SELF-SUPPORTING AND STABLE FOLLOWING INSTALLATION OF ALL COMPONENTS AS INDICATED ON THE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE METHOD AND SEQUENCE OF ERECTION PROCEDURES (INCLUDING IMPLEMENTATION OF TEMPORARY SHORING, BRACING, ETC.) AND TO ENSURE SAFETY THROUGH THE PERIOD OF CONSTRUCTION.

OWNER BUILDER AND/OR GENERAL CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, LICENSES AND CERTIFICATIONS AND PAY ALL FEES CONNECTED HERewith. OWNER BUILDER AND/OR CONTRACTOR TO GUARD AGAINST ANY AND ALL POSSIBLE HAZARDOUS CONDITIONS, WHICH MAY OCCUR AS A RESULT OF SURVEYING, EXCAVATION, MOVLIZATION OR CONSTRUCTION, OWNER BUILDER AND/OR CONTRACTOR SHALL NOT PERMIT UNAUTHORIZED PERSONS INSIDE THE CONSTRUCTION AREA. OWNER BUILDER AND/OR CONTRACTOR TO INSTALL ALL NECESSARY BARRIERS AND ALL OSHA REQUIRED PROTECTION IN AND AROUND CONSTRUCTION AREA TO PROTECT PUBLIC AND EMPLOYEES. OWNER BUILDER AND/OR CONTRACTOR IS RESPONSIBLE FOR ENCROACHMENTS INTO PUBLIC OR PRIVATE PROPERTY, MADE DURING THE EXECUTION OF THIS WORK AND FOR ANY VIOLATIONS OF RIGHT OF WAYS AND EASEMENTS. IN ALL CASES OWNER BUILDER AND/OR GENERAL CONTRACTOR MUST CONSULT A SURVEYOR AND NOTIFY THE ARCHITECT IN WRITING OF ANY CONFLICT .

01400 STRUCTURAL FRAME INSPECTION:

OWNER TO EMPLOY A REGISTERED INSPECTOR TO PERFORM THE DUTIES REQUIRED BY THE LOCAL BUILDING CODE. INSPECTOR SHALL PROVIDE A STATEMENT OF INSPECTION AS REQUIRED BY GOVERNING CODES, WHICH CERTIFIES THAT THE STRUCTURE AND ENVELOPE COMPONENTS ARE IN COMPLIANCE WITH THE APPROVED PERMIT DOCUMENTS.

01800 SHOP DRAWINGS & STRUCTURAL SUBMITTALS:

SUBMIT TO THE STRUCTURAL ENGINEER FOUR ORIGINALS ONLY AFTER THEY HAVE BEEN REVIEWED BY THE CONTRACTOR. IF ADDITIONAL COPIES OF ANY MATERIAL ARE REQUIRED, PLEASE PROVIDE SUCH. HOWEVER, ONLY THREE COPIES WILL BE MARKED BY THE STRUCTURAL ENGINEER.

UNDER NO CIRCUMSTANCES WILL THE USE OF STRUCTURAL DRAWINGS PREPARED BY GF CONSULTING ENGINEERS INC. BE PERMITTED FOR SHOP DRAWING OR BACKGROUND USE. THIS INCLUDES BOTH PHOTOGRAPHIC AND ELECTRONIC REPRODUCTION. SHOP DRAWINGS SHALL BE PREPARED ENTIRELY BY THE VENDOR OR SUBCONTRACTOR GENERATING SUCH SUBMITTAL.

THE USE OF ANY DRAWING PREPARED BY GF CONSULTING ENGINEERS INC. AS BACKGROUND INDICATES ACCEPTANCE OF TERMS AND CONDITIONS BY GF CONSULTING ENGINEERS INC. FOR THEIR USE, AND STIPULATED COMPENSATION MUST BE DELIVERED TO GF CONSULTING ENGINEERS INC. PRIOR TO SUBMITTAL OF SHOP DRAWINGS, OTHERWISE, SHOP DRAWINGS WILL BE RETURNED NON REVIEWED.

REVIEW OF SHOP DRAWINGS IS NOT CONDUCTED FOR DETERMINING THE ACCURACY AND COMPLETENESS OF DETAILS QUANTITIES OR FOR SUBSTANTIATING FABRICATION INSTALLATION INSTRUCTION OR PERFORMANCE OF EQUIPMENT OF SYSTEM, ALL OF WHICH SHALL REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

REVIEW OF SHOP DRAWINGS DOES NOT CONSTITUTE APPROVAL OF SAFETY PRECAUTIONS, CONSTRUCTION MEANS, METHODS, SEQUENCES OR PROCEDURES, NOR DOES IT INDICATE APPROVAL OF ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. COORDINATION OF ALL TRADES SHALL REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR MUST REVIEW ALL QUANTITIES AND DIMENSIONS.

ALLOW ADEQUATE TIME FOR TRANSIT,AND PROCESSING BEFORE FABRICATION. GF CONSULTING ENGINEERS WILL REVIEW AN AVERAGE SUBMITTAL WITHIN 15 CALENDARS DAYS OF RECEIPT DRAWINGS RECEIVED AFTER 3:00 PM WILL BE STAMPED AS RECEIVED THE FOLLOWING DAY. REVIEW OF SHOP DRAWINGS IS LIMITED TO TWO REVIEWS PER SUBMITTAL WITHIN THE SCOPE OF BASIC SERVICES, THAT IS ONE INITIAL REVIEW AND ONE ADDITIONAL REVIEW ONCE MARKED ITEMS HAVE BEEN CORRECTED. REVIEW OF ADDITIONAL SUBMITTALS WILL BE CONSIDERED ADDITIONAL SERVICES, FOR WHICH THE CONTRACTOR MAY BE HELD RESPONSIBLE, THOSE ADDITIONAL SERVICES FEES WILL BE IN ACCORDANCE WITH THE TERMS OF THE ARCHITECT–GFCE AGREEMENT FOR THIS PROJECT. GFCE WILL MARK ONLY THREE SETS OF DRAWINGS REGARDLESS OF HOW MANY COPIES HAD BEEN SUBMITTED, ONLY AFTER DRAWINGS BEAR EVIDENCE OF BEEN REVIEWED AND APPROVED BY THE CONTRACTOR. SHOP DRAWINGS SUBMITTED TO GFCE WITHOUT CONTRACTORS APPROVAL WILL BE RETURNED UNREVIEWED.

SPECIALTY OR DELEGATED ENGINEERING SHOP DRAWINGS:
BY DEFINITION A DELEGATED ENGINEER IS 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.
THE DELEGATED OR SPECIALTY ENGINEER SHALL BE AN EMPLOYEE OR OFFICER OF A FABRICATOR, AN EMPLOYEE OR OFFICER OF AN ENTITY SUPPLYING COMPONENTS TO A FABRICATOR, OR AN INDEPENDENT CONSULTANT RETAINED BY THE FABRICATOR OR HIS SUPPLIER.

SUBMITTALS AND RE-SUBMITTAL FOR CUSTOM DESIGNED, MANUFACTURED OR FABRICATED LOAD-CARRYING MEMBERS, COMPONENTS OR ITEMS, SUBJECT TO FORCES OR STRESSES AND THEIR CONNECTIONS OR ANCHORAGE REQUIRE A DELEGATED OR SPECIALTY ENGINEER.

APPROVED EQUAL OPTIONS ARE FOR THE CONTRACTOR'S CONVENIENCE AND ARE SUBJECT TO APPROVAL BY THE ARCHITECT. IF AN OPTION IS CHOSEN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHANGES AND COSTS NECESSARY AND FOR COORDINATION OF ALL DETAILS AS REQUIRED TO INCORPORATE THE OPTION INTO THE WORK.

ALL PRE–ENGINEERED/PREFABRICATED ITEMS AND MATERIALS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS AND ALTERATIONS ARE ALLOWED ONLY IN WRITING.

THE FOLLOWING SYSTEMS AND COMPONENTS REQUIRE FABRICATION, AND ERECTION DRAWINGS ALONG WITH SIGNED AND SEALED CALCULATIONS BY A DELEGATED ENGINEER:

–ALUMINUM OR LIGHT GAGE STEEL EXTERIOR WALL SYSTEMS.
–GLAZING AND STORE FRONT SYSTEMS, INCLUDING MULLIONS AND CONNECTIONS.
–POST–TENSIONED CONCRETE MEMBERS.
–PREFABRICATED WOOD TRUSSES.
–PRECAST CONCRETE COMPONENTS:WALLS, COLUMNS, JOISTS.
–CONCRETE TILT–UP WALLS AND COMPONENTS.
–SHORING AND RE–SHORING DRAWINGS.

ALL SUBMITTALS SHALL CLEARLY IDENTIFY THE SPECIFIC PROJECT AND APPLICABLE CODES, AS WELL AS THE DESIGN CRITERIA WHICH SHOULD NOT BE IN CONFLICT WITH THOSE SPECIFIED ON THE CONTRACT DOCUMENTS, THE APPLICABLE BUILDING CODE NOR THE SPECIFICATIONS.

IN CASE OF CONFLICT REQUEST FOR CLARIFICATION MUST BE SUBMITTED IN WRITING TO A/E. OR THE MOST STRINGENT CRITERIA MUST BE USED. SUBMITTAL MUST SHOW ALL DETAILS, PLANS AND NECESSARY INFORMATION FOR THE PROPER FABRICATION AND INSTALLATION OF SYSTEM OR COMPONENTS. CALCULATIONS AND DRAWINGS MUST CLEARLY IDENTIFY SPECIFIC PRODUCTS UTILIZED SINCE GENERIC PRODUCTS WILL NOT BE ACCEPTED.

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

ALL SHOP DRAWINGS AND CALCULATIONS MUST BEAR THE IMPRESSED SEAL, DATE AND SIGNATURE OF THE DELEGATED OR SPECIALTY ENGINEER. IN CASE THAT COMPUTER PRINT–OUTS ARE SUBMITTED THOSE MUST BE ACCOMPANIED WITH DESCRIPTIVE INFORMATION AS OF THE INPUT AND OUTPUT FOR THEIR PROPER EVALUATION. SUCH DESCRIPTION OF COMPUTER PRINT–OUTS MUST BE SIGNED AND SEALED AS WELL WITH A NOTE INDICATING FULL ACCEPTANCE AND LIABILITY OVER THE RESULTS OF SAID COMPUTER PROGRAM. REVIEW BY GFCE/SE OR GF SUBMITTALS IS LIMITED TO VERIFYING THAT THE SPECIFIC STRUCTURAL SUBMITTAL HAVE BEEN FURNISHED; THAT THE STRUCTURAL SUBMITTAL HAVE BEEN SIGNED AND SEALED BY THE DELEGATED ENGINEER;THAT THE SPECIFIED CRITERIA, AND DESIGN INTENT HAVE BEEN FOLLOWED AND UNDERSTOOD BY THE DELEGATED ENGINEER; AND THAT THE CONFIGURATION SET FORTH IN THE STRUCTURAL SUBMITTAL IS CONSISTENT WITH THE CONTRACT DOCUMENTS.

NO DETAILED CHECK OF DIMENSIONS OR QUANTITIES WILL BE MADE SINCE THIS IS TO BE PERFORMED BY THE GENERAL CONTRACTOR.
SUBMITTALS NOT MEETING THE ABOVE CRITERIA WILL BE RETURNED NON REVIEWED.

02200 EARTHWORK:

CONTRACTOR SHALL DEWATER SITE AS NECESSARY, SO THAT ALL CONCRETE CAN BE PLACED IN THE DRY. ALL BACK FILL SHALL BE ACCOMPLISHED USING MATERIAL CONSISTING OF CRUSHED STONE AND/OR MATERIAL APPROVED BY THE GEOTECHNICAL ENGINEER. THE BACK FILL SHALL BE COMPACTED TO 98% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557. NO BACK FILL MATERIAL SHALL BE PLACED AGAINST WALLS WHICH DO NOT HAVE PERMANENT FLOORS AT THE TOP AND BOTTOM WITHOUT PROVISIONS FOR ADEQUATE TEMPORARY BRACING OF THOSE WALLS. PROVIDE ADEQUATE EXCAVATION BRACING IN ACCORD WITH GEOTECHNICAL ENGINEER RECOMMENDATIONS TO MAINTAIN EXISTING FOOTINGS, UTILITIES, AND OTHER IMPROVEMENTS IN A SAFE CONDITION

02011 FOUNDATIONS:

GEOTECHNICAL DATA AND RECOMMENDATIONS HAVE BEEN PROVIDED BY:
DYNATECH ENGINEERING CORPORATION, REPORT DATED AUGUST 1st 2024
BASED ON THEIR RECOMMENDATIONS, THE FOLLOWING FOUNDATION SYSTEM WILL BE USED:
–SHALLOW FOUNDATION WITH ALLOWABLE BEARING PRESSURE OF 3000psf.

GEOTECHNICAL ENGINEER IS RESPONSIBLE FOR SPECIFYING AND MONITORING ALL TESTING, INSTALLATION, EVALUATION, AND REPORTING RELATED TO THE FOUNDATION SYSTEM, INCLUDING ALL WORKMANSHIP PROVISIONS RELATING TO THE SOIL – STRUCTURE INTERFACE. THE STRUCTURAL ENGINEER IS RESPONSIBLE FOR SPECIFYING THE MATERIALS USED TO CONSTRUCT THE FOUNDATION UNITS AND FOR THE SELECTION OF VARIOUS SIZE UNITS TO SUPPORT THE STRUCTURAL FRAME.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FROM GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF ANY FOUNDATION ELEMENTS OVER PREPARED SUBGRADE AND/OR DEEP FOUNDATION ELEMENTS.

THE GEOTECHNICAL REPORT FORMS INTEGRAL PART OF THESE DOCUMENTS AND ALL RECOMMENDATIONS CONTAINED SHALL BE STRICTLY FOLLOWED. NOTIFY SEOR OF ANY DISCREPANCY BEFORE BIDDING AND CONSTRUCTION

02210 STRUCTURAL FILL:

FOUNDATIONS PLACED ON COMPACTED LIMEROCK STRUCTURAL FILL HAVE BEEN DESIGNED FOR A BEARING OF 3000 PSF. FILL TO BE COMPACTED TO 98% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557. PREPARE PAD AND PLACE FILL IN STRICT COMPLIANCE WITH GEOTECHNICAL REPORT, BUT LAYERS OF 6" THICK MAXIMUM AND UNDER THE DIRECT SUPERVISION OF A GEOTECHNICAL ENGINEER.

SOIL COMPACTION AND FILL PLACEMENT SHALL BE CONTROLLED AND MONITORED BY CERTIFIED TESTING AGENCY. TAKE A MINIMUM OF 2 FIELD DENSITY TESTS (ASTM D-1556 OR ASTM D-2922) FOR EACH LAYER OF FILL. THE TESTING AGENCY SHALL RANDOMLY SELECT TEST LOCATIONS. EACH LAYER OF FILL MUST BE COMPACTED BEFORE PLACEMENT OF THE NEXT.
USE FILL CONTAINING NOT MORE THAN 10% PASSING #200 SIEVE AND MAXIMUM 1 INCH.

BOTTOM OF EXCAVATIONS MUST BE COMPACTED WITH A WALK-BEHIND VIBRATORY SLED OR ROLLER HAVING A MINIMUM STATIC WEIGHT OF 240# WITH CENTRIFUGAL FORCE OF 300 LBS. AND A MAXIMUM STATIC WEIGHT OF 1000 LBS WITH A CENTRIFUGAL FORCE OF 5000 LBS. COMPACT UNTIL SOIL 1 FT BELOW COMPACTION SURFACE REACHES A DRY DENSITY OF 95% OF MAXIMUM AS DETERMINED BY A MODIFIED PROCTOR (ASTM D-1557).
TAKE A MINIMUM OF:
–ONE DENSITY TEST (ASTM D-1556 OR ASTM D-2922) FOR EACH SPREAD FOOTING.
–ONE FOR EACH 25 FEET OF CONTINUOUS FOOTING.
–ONE FOR EVERY 1000 SQ. FT. PER LAYER OF FILL.(BUT A MINIMUM OF 2).
SOIL COMPACTION MUST BE FIELD CONTROLLED AND MONITORED BY A CERTIFIED TESTING AGENCY OR GEOTECHNICAL ENGINEER OF RECORD. DENSITY TEST REPORTS MUST BE AT THE SITE PRIOR TO REINFORCEMENT INSPECTION.
IF SOIL IS DISTURBED DURING FOOTING EXCAVATION OR AFTER EXCAVATION HAD BEEN COMPLETED, RE-COMPACTION AS DESCRIBED ABOVE MUST BE DONE.

02240 EXCAVATION:

STRIP TOP SOIL (MINIMUM 6 INCHES) AT LEAST FIVE FEET PAST EXTERIOR BUILDING LINES. ALL DELETERIOUS MATERIAL MUST BE COMPLETELY REMOVED, INCLUDING EXISTING FOUNDATIONS OF DEMOLISHED BUILDINGS. DO NOT EXCAVATE FOR ANY PURPOSE WITHIN ONE FOOT OF THE ANGLE OF REPOSE OF ANY SOIL BEARING FOOTING OR FOUNDATION UNLESS SUCH FOOTING OR FOUNDATION IS FIRST PROPERLY UNDERPINNED OR OTHERWISE PROTECTED AGAINST SETTLEMENT. GENERAL CONTRACTOR IS RESPONSIBLE FOR THE DISPOSAL OF ALL ACCUMULATED WATER FROM EXCAVATION AND DEWATERING OPERATION IN SUCH A MANNER AS TO ENSURE PROPER CONCRETE PLACEMENT AND PREVENT DAMAGE TO STRUCTURAL ELEMENTS. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, SHEET PILING, AND PROTECTION TO ADJACENT PROPERTIES, STRUCTURES, STREET, UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT AND ALL OSHA REGULATIONS.

03100 CONCRETE FORMWORK:

CONTRACTOR SHALL DESIGN AND ERECT FORMWORK IN STRICT COMPLIANCE WITH ACI 347–04. SEE TYPICAL DETAILS FOR CAMBER REQUIREMENTS. CONTRACTOR SHALL COORDINATE ALL OPENINGS AS REQUIRED FOR OTHER TRADES. OPENINGS WHERE SHOWN ON THE STRUCTURAL DRAWINGS ARE TO IDENTIFY DESIGN INTENT ONLY. THE SPECIFIC DIMENSIONS AND LOCATIONS SHALL BE FURNISHED OR CONFIRMED BY THE TRADE REQUIRING THE OPENING. PROVIDE CHAMFERS AT ALL CORNERS IN CONCRETE MEMBERS EXPOSED TO VIEW. FORMWORK TO REMAIN IN PLACE UNTIL CONCRETE HAS ATTAINED ENOUGH STRENGTH TO SUPPORT ALL DEAD LOADS PLUS A MINIMUM OF 50 PSF OF ADDITIONAL CONSTRUCTION LOAD. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

03110 SHORING & RESHORING:

CONTRACTOR MUST PROVIDE SHORING AND RESHORING DRAWINGS PREPARED BY A DELEGATED ENGINEER AND CONFORMING TO THE REQUIREMENTS OF SECTION 3100

"CONCRET FORMWORK", DESIGN FORMS AND SHORES FOR HORIZONTAL CONCRETE MEMBERS FOR NOT LESS THAN DEAD LOAD PLUS 50 PSF CONSTRUCTION LOAD AND FOR THE CUMULATIVE LOADS OF SUPPORTED FLOORS. DESIGN WOOD SHORES WITH A MINIMUM SAFETY FACTOR OF 3, AND METAL SHORES WITH A MINIMUM SAFETY FACTOR OF 2. THE MAXIMUM SUPERIMPOSED CONSTRUCTION LOAD APPLIED TO FLOORS SUPPORTING SHORES OR RESHORES SHALL NOT EXCEED 75% OF THE LIVE LOAD SPECIFIED FOR SLABS AND JOISTS AND 60% OF THE LIVE LOAD SPECIFIED FOR BEAMS. NO CONSTRUCTION LOAD SHALL BE APPLIED TO ANY MEMBER UNTIL THE CONCRETE IS A MINIMUM OF 14 DAYS OLD AND THE 7 DAYS STRENGTH IS 70% OF THE SPECIFIED 28 DAYS STRENGTH. REMOVAL OF FORMWORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REMOVE FORMS IN SUCH A MANNER TO INSURE JOB SAFETY AND TO PREVENT DAMAGE TO AND CREEP DEFLECTION OF THE STRUCTURE. FOLLOW THE MINIMAL GUIDELINES FOR REMOVAL OF HORIZONTAL FORMS INDICATED BELOW:
–SLABS WITH SPANS LESS THAN 5'–0", FORMS MAY BE REMOVED 24 HOURS AFTER COMPLETING CONCRETE POUR. NO STRENGTH VERIFICATION IS REQUIRED, UNLESS AIR TEMPERATURE HAD FALLEN BELOW 60°F. DURING THE 24 HRS PERIOD. NO RESHORING IS REQUIRED.
–SLABS BETWEEN 5'–0" AND 10'–0", FORMS MAY BE REMOVED 72 HRS AFTER COMPLETING CONCRETE POUR, PROVIDED IS AT LEAST 70% OF SPECIFIED 28 DAYS' DESIGN STRENGTH, RESHORING NECESSARY.

DO NOT REMOVE SHORING UNTIL CONCRETE HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 2800 PSI AS A MINIMUM. SHORING AND RESHORING SHALL REMAIN IN PLACE AS FOLLOWS:

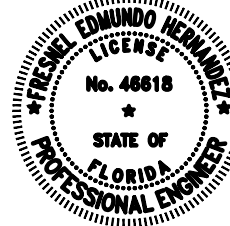
–BEAMS:	SHORES: 7 DAYS	RESHORES: 14 DAYS
–JOISTS:	SHORES: 72 HRS	RESHORES: 14 DAYS
–CANTILEVER SLAB:	SHORES: 7 DAYS	RESHORES: 14 DAYS
–CANTILEVER BEAM:	SHORES: 7 DAYS	RESHORES: 14 DAYS.

THE SHORING AND RESHORING MUST BE INSPECTED BY THE DELEGATED ENGINEER OR HIS AUTHORIZED REPRESENTATIVE PRIOR TO EACH CONCRETE POUR AND SUBMIT A WRITTEN SIGN AND SEALED REPORT TO THE THRESHOLD OR SPECIAL INSPECTOR AND TO THE CONTRACTOR STATING THAT THE WORK IS IN GENERAL COMPLIANCE WITH HIS/HER SHORING RESHORING DRAWINGS.
COPIES OF THE FIELD REPORTS MUST BE SUBMITTED TO THE ARCHITECT, THE OWNER, THE GENERAL CONTRACTOR, THE BUILDING OFFICIAL AND TO GFCE ON A BI-WEEKLY BASIS. THE REPORTS MUST CLEARLY INDICATE ANY ITEMS REQUIRING CORRECTIONS, ACCEPTED DEVIATION FROM SHORING DRAWINGS, ANY SKETCHES SUBMITTED TO CORRECT DEFICIENCIES, AND AREAS ACCEPTED AND RELEASED FOR CONCRETE POURS. NO GENERIC LETTER WILL BE ACCEPTED, THUS REPORT MUST CLEARLY INDICATE NAME AND LOCATION OF PROJECT, DATE AND TIME AS WELL AS WORKING CONDITION DURING INSPECTION INCLUDING WEATHER AND TEMPERATURE.

MATEU

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CASA AT 63RD
AVENUE

NEW SINGLE-FAMILY RES.
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