GENERAL:

- 1. THE CONTRACTOR IS ADVISED THAT ALL PLANS, DIMENSIONS, AND DETAILS DEPICT FIELD CONDITIONS AS KNOWN. MINOR VARIATIONS ARE TO BE EXPECTED.
- 2. LOADS GREATER THAN THE DESIGN LIVE LOADS SHALL NOT BE PLACED ON THE STRUCTURE. CONCRETE STRUCTURE MAY NOT SUPPORT THE DESIGN LIVE LOAD FOR 28 DAYS.
- 3. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE SUPPORT OF TEMPORARY LOADS AND FORMWORK. CONTRACTOR SHALL PROVIDE LATERAL SUPPORT FOR FALSE AND FORM WORK TO RESIST THE LATERAL MOVEMENT DURING SHEET PILE INSTALLATION AND PLACEMENT OF CONCRETE.
- 4. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR NECESSARY TO CONSTRUCT THE ITEMS DEPICTED ON THESE PLANS. THE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND, UNLESS SPECIFICALLY NOTED OTHERWISE, DO NOT SHOW THE MEANS AND METHOD OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHOD OF CONSTRUCTION, AND SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE PUBLIC, CONSTRUCTION WORKERS, AND THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE FORMING, SHORING, BRACING, SCAFFOLDING, ETC.
- 5. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY PERMITS, LICENSES, INSPECTIONS, AND ALL OTHER REQUIRED FEES. ALL WORK SHALL BE COMPLETED IN FULL COMPLIANCE WITH ALL CURRENT APPLICABLE CODES, ORDINANCES, AND GOVERNMENTAL REGULATIONS.
- 6. THE CONTRACTOR SHALL TURN OVER TO THE OWNER A CLEAN FACILITY WITH A CERTIFICATE OF OCCUPANCY, RECORD DOCUMENTS, INSPECTION CERTIFICATES, WARRANTIES AND BONDS, EVIDENCE OF PAYMENT, RELEASE OF LEINS, AND ANY OPERATION AND MAINTENANCE MANUALS.
- 7. THE CONTRACTOR SHALL REVIEW THE COMPLETED WORK WITH THE ENGINEER AND/OR OWNER OR THEIR DESIGNATED REPRESENTATIVE AND DEMONSTRATE SATISFACTORY OPERATION OF EQUIPMENT AND/OR SATISFACTORY INSTALLATION OF STRUCTURAL SYSTEMS. ITEMS THAT THE ENGINEER, OWNER OR THEIR DESIGNATED REPRESENTATIVE DEEM UNSATISFACTORY AS IT RELATES TO THE SPECIFICATIONS WITHIN THESE PLANS SHALL BE CORRECTED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
- 8. ALL WORK IS SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL'S FIELD INSPECTOR.
- 9. DO NOT SCALE THESE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALES.
- 10. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DETAILS, AND JOB SITE CONDITIONS PRIOR TO COMMENCING WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. ALL DIMENSIONS AND DRAWINGS SHOWN ON THESE PLANS ARE NOMINAL AND SHOW DESIGN INTENT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST ACTUAL CONSTRUCTION DIMENSIONS SLIGHTLY TO ALLOW FOR EXACT MATERIAL THICKNESSES. ANY ITEM, MATERIAL, OR WORK NOT SHOWN ON THE DRAWINGS BUT MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE IN ALL RESPECTS AND READY FOR OPERATION SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER. ALL SYSTEMS AND THEIR ASSOCIATED INCIDENTAL ACCESSORIES MUST BE COMPLETELY INSTALLED, CONNECTED, AND OPERATING TO THE SATISFACTION OF THE ENGINEER PRIOR TO FINAL ACCEPTANCE BY THE OWNER.
- 11. THE ENGINEER IS RESPONSIBLE FOR THE STRUCTURAL AND GEOTECHNICAL ITEMS IN THESE PLANS ONLY. SHOULD ANY CHANGES BE MADE FROM THE DESIGN AS SPECIFIED IN THESE DRAWINGS/CALCULATIONS WITHOUT APPROVAL FROM THE ENGINEER (I.E. ALTERATIONS TO THE STRUCTURAL SYSTEM OR ADDITION OF CONSTRUCTION MATERIALS/LOADS), THE ENGINEER WILL ASSUME NO RESPONSIBILITY FOR ANY ELEMENT OR SYSTEM OF THIS STRUCTURE.
- 12. THE CONTRACTOR OR OWNER SHALL SECURE ALL REQUIRED APPROVALS AND PERMITS FROM THE APPROPRIATE AGENCIES AS REQUIRED. IF THEY ELECT NOT TO OBTAIN A PERMIT, THESE PLANS SHALL BE CONSIDERED NULL AND VOID.
- 13. ALL CONTRACTORS, SUBCONTRACTORS, AND/OR ASSOCIATED SUBORDINATES SHALL BE EXPERIENCED AND COMPETENT IN PERFORMING THE WORK THEY ARE RESPONSIBLE FOR. UNDER NO CIRCUMSTANCES SHALL INEXPERIENCED LABOR BE UTILIZED.
- 14. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, REMOVE AND RESET/RECONNECT ALL UTILITIES AND MECHANICAL SYSTEMS AS NECESSARY.
- 15. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL POSSIBLE EXISTING CONDITIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES WITH THE WORK PROPOSED IN THESE PLANS.
- 16. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER, SHOP DRAWINGS, CUT-SHEETS, AND/OR SAMPLES OF ALL MATERIALS, FINISHES, FIXTURES, AND EQUIPMENT FOR PRODUCT APPROVAL PRIOR TO ANY ORDERING, FABRICATION, OR INSTALLATION. THE CONTRACTOR SHALL ALLOW TWO (2) WEEKS MINIMUM FOR REVIEW OF SAID DOCUMENTATION.
- 17. EXCEPT WHERE EXPLICITLY NOTED IN THESE DRAWINGS, MODIFICATION OF NEW/EXISTING STRUCTURAL MEMBERS (CUTTING, NOTCHING, BENDING, ETC.) IS NOT ALLOWED WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.
- 18. ALL WORK SHALL BE WITHIN FLORIDA BUILDING CODE TOLERANCES FOR PLUMB, LEVEL, AND TRUE.
- 19. THE ENGINEER IS NOT RESPONSIBLE FOR THIS PLAN UNLESS ALL SHEETS ARE SEALED BY THE ENGINEER AND WET SIGNED OVER THE SEAL WITH BLUE INK.
- 20. ANY REVISION, CORRECTION, OR OTHER NOTATION INDICATED ON THESE PLANS THAT ARE NOT COMPUTER-GENERATED (I.E. PENCIL, INK, MARKER, ETC.) ARE INVALID, HAVE NOT BEEN APPROVED BY THE ENGINEER AND SHALL NOT BE CONSIDERED A LEGITIMATE REVISION OR ADDENDUM TO THE PLAN. ANY REVISIONS OR ADDENDUMS TO THIS PLAN WILL ONLY BE VALID IF ONE OF THE FOLLOWING METHODS ARE UTILIZED.
- A. THE AFFECTED PORTIONS OF THE SET WILL BE ADDRESSED BY WAY OF A LETTER AND/OR DETAIL ON AN 8-1/2" x 11" (OR 11" x 17") ADDENDUM SHEET FROM THE ENGINEER AND WILL CONTAIN THE ENGINEER'S SEAL AND WET SIGNATURE.
- B. THE AFFECTED SHEET(S) WILL BE RE-ISSUED IN THEIR ENTIRETY AND WILL CONTAIN THE ENGINEER'S SEAL AND WET SIGNATURE.
- C. THE DRAWING SET WILL BE RE-ISSUED IN ITS ENTIRETY AND WILL CONTAIN THE ENGINEER'S SEAL AND WET SIGNATURE.
- 21. FBC REFERS TO FLORIDA BUILDING CODE-SIXTH EDITION (2017)
- 22. FBC-R REFERS TO FLORIDA BUILDING CODE-SIXTH EDITION (2017) RESIDENTIAL

CONCRETE

2. CONTRACTOR

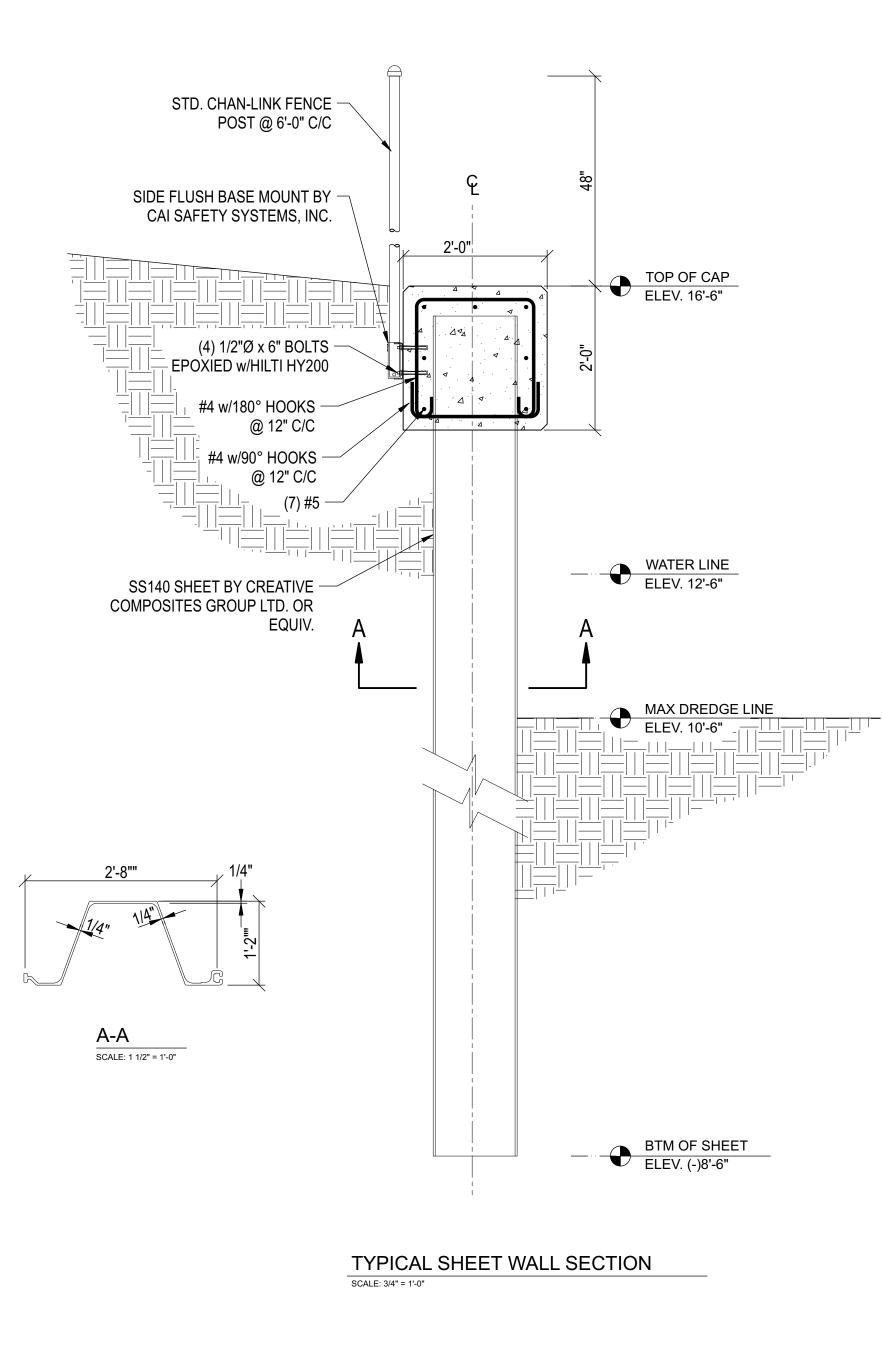
- 3. NO PLUMBING
- OTHERWISE
- 4. REINFORCING
- 5. REBAR LAP 6. STIRRUPS AN
- 7. REINFORCING
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- 9. PROVIDE PRO REINFORCING
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- 15. PROVIDE CO SURFACES.
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- 17. REPAIR AND REINFORCIN
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- B. CONCRE
- 20. CONCRETE a. CONCI
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- c. WATEI d. W/C R
- e. COARS
- f. CONCF g. SLUMF
- H. FLY AS i. WATEF
- 21. REINFORCE

FIELD INSPECTION

- CONTRACTOR SHAL
- 1. RETESTING
- 2. REVIEW OF
- RESPONSIBL
- 3. REPAIR OR
- WHERE INSP

CONCRETE TESTING:

- 1. CONCRETE SAMPLES FO THAN ONCE THAN ONCE COMPLIANCE
- SOIL TESTING:
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- 3. THE OWNER
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SHEET PILING:

- 1. INTERLOCKS SHALL BE FREE SLIDING, PROVIDE A SWING ANGLE SUITABLE FOR THE INTENDED INSTALLATION, AND MAINTAIN CONTINUOUS INTERLOCKING WHEN INSTALLED. SHEET PILING SHALL BE FULL-LENGTH SECTIONS OF THE DIMENSIONS SHOWN ON THE DRAWINGS. FABRICATED SECTIONS SHALL CONFORM TO THE REQUIREMENTS HEREIN AND THE PILING MANUFACTURER'S RECOMMENDATIONS.
- 2. SHEET PILING SHALL BE DRIVEN TO A DEPTH INDICATED ON THE DRAWINGS WITH THE TOLERANCE OF +/-3".
- 3. BEFORE PROCEEDING WITH ANY WORK ON SITE, CONTRACTOR SHALL SUBMIT FOR ENGINEER REVIEW: A. HAMMER SELECTION, SIZE AND EFFICIENCY OF HAMMER
- B. CONTRACTOR METHODS FOR THE SHEET PILE INSTALLATION 4. THE CONTRACTOR SHALL MONITOR THE DRIVEN SHEET PILES FOR CORRECT PLACEMENT, PLUMBNESS, AND DRAWDOWN THAT COULD BE CAUSED BY THE DRIVING OF NEARBY PILES. DRAWDOWN MEASUREMENTS SHALL
- BE MADE AT THE TOP OF THE PILE. IF THE PILE WAS DRAWNDOWN, IT SHALL BE PULLED AND RE-DRIVEN TO THE REQUIRED TIP ELEVATION.
- 5. IF OBSTRUCTIONS RESTRICT DRIVING THE PILING TO THE SPECIFIED DEPTH, THE OBSTRUCTIONS SHALL BE REMOVED OR PENETRATED WITH A CHISEL/GUILLOTINE BEAM. IF THE CONTRACTORS DEMONSTRATES THAT REMOVAL OR PENETRATION IS IMPRACTICAL, THE CONTRACTOR SHALL MAKE CHANGES IN THE DESIGN ALIGNMENT OF THE PILING STRUCTURE AS DIRECTED BY THE ENGINEER TO INSURE THE ADEQUACY AND STABILITY OF THE STRUCTURE.
- 6. SHEET PILING SHALL BE PROVIDED AS ONE PIECE. NO SPLICES WILL BE ALLOWED.
- 7. SHEET PILING SHALL BE CAREFULLY LOCATED AS SHOWN ON THE DRAWINGS. TEMPORARY WALES, TEMPLATES, OR GUIDE STRUCTURES SHALL BE PROVIDED TO INSURE THAT THE PILINGS ARE PLACED AND DRIVEN TO THE CORRECT ALIGNMENT.
- 8. WHERE DRIVEN SHEET PILES HAVE EXCEEDED SPECIFIED TOLERANCES, THE CONTRACTOR SHALL REMOVE SUCH PILES AND DRIVE SUBSTITUTE PILES. SUBSTITUTE PILES SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
- 9. THE CONTRACTOR SHALL REMOVE ALL SHEET PILE CUT-OFFS AND OTHER DEBRIS FROM THE JOB SITE.

ONCRETE		CPG B4
1. CONTRACTOR SHALL PERFORM ALL CONCRETE WORK IN STRICT	ACCORDANCE WITH APPLICABLE BUILDING CODE,	
ACI301, ACI 315, AND ACI 318. 2. CONTRACTOR SHALL REVIEW THE PLANS AND COORIDNATE ALL I ELEVATIONS, ANCHOR BOLTS, STRAPS, ETC. PRIOR TO CONCRET	EPS,	
3. NO PLUMBING OR UTILITY CONDUIT LARGER THAN 1 INCH ID SHA OTHERWISE INDICATED IN PLANS.		
4. REINFORCING STEEL SHALL BE PLACED, EMBEDDED, AND TIED IN	I STRICT ACCORDANCE WITH THESE PLANS.	DI 5/13/22
5. REBAR LAP SPLICES SHALL BE NO LESS THAN 40 BAR DIAMETERS	S UNLESS OTHERWISE INDICATED IN PLANS.	So.
6. STIRRUPS AND TIES SHALL NOT BE SPLICED.		TO THE BEST OF THE ENGINEER'S KNOWLEDGE AND BELIEF, THE STRUCTU PLANS AND SPECIFICATIONS COMPLY W
7. REINFORCING STEEL SHALL NOT BE WELDED, SHALL BE BENT CO NO. 5 AND LARGER REBAR SHALL NOT BE RE-BENT.	DLD, AND CONFORM TO ASTM A-615 GRADE 60.	7TH EDITION (2020) FLORIDA RESIDENTI BUILDING CODE
8. ALL REINFORCING STEEL SHALL BE CLEAN AND FREE OF DELETE	RIOUS MATERIALS AT THE TIME OF CONCRETE PLACEME	ENT. THIS DRAWING AND DESIGN IS VALID FOR 12 MONTHS AFTER THE DATE IT IS SIGNED AND SEALED. SIGNED AND SEALED FOR THE STRUCTURAL PORTIO OF THIS DRAWING ONLY.
9. PROVIDE PROPERLY TIED SPACES, CHAIRS, BOLSTERS, ETC., AS REINFORCING STEEL.	NECESSARY TO ASSEMBLE, PLACE AND SUPPORT ALL	© THIS DRAWING ONLT. © 2021-THESE DRAWINGS AND DESIGNS ARE THE JOI PROPERTY OF FLORIDA GEOTECHNICAL ENGINEERIN AND THE CLIENT ON THIS PROJECT. ANY REPRODUCT OR UNAUTHORIZED USE IS PROHIBITED.
10. REINFORCING STEEL SHALL BE SUPPORTED BY CHAIRS AT 3 FT FOR #5 AND LARGER BARS.	O.C. FOR NO. 3 AND NO. 4 BARS AND 4 FT O.C. MAXIMUM	CIVIL ENGINEER: CRAVEN • THOMPSON AND ASSOCIATES, INC.
11. WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A-185. SHALL BE PLACED 2 INCHES CLEAR FROM THE TOP OF THE SLAB		3563 N.W. 53RD STREET FT. LAUDERDALE, FL 33309 TEL.: (954) 739-6400
12. CONCRETE SHALL BE PLACED WITHIN 90 MINUTES OF BATCH TIM	ЛЕ.	FAX: (954) 739-6409
13. CONCRETE SHALL BE MOIST CURED FOR AT LEAST SEVEN DAYS		
14. WATER SHALL NOT BE ADDED ON SITE.		CONTRACTOR TBD
15. PROVIDE COMMERCIAL FORM COATING COMPOUNDS THAT WILL SURFACES. WET FORMS BEFORE PLACING CONCRETE.	NOT BOND, STAIN, OR ADVERSELY AFFECT CONCRETE	
16. ALL CONCRETE SHALL BE CONSOLIDATED IN PLACE USING MECH	HANICAL VIBRATORS.	
17. REPAIR AND PATCH DEFECTIVE AREAS WITH CEMENT MORTAR II REINFORCING IS VISIBLE. CONTACT ENGINEER FOR EVALUATION		
18. CONTROL JOINTS TO BE SAW CUT OR GROOVED WITHIN 12 HOU	RS OF CONCRETE PLACEMENT.	
19. CONCRETE COVER TO BE AS FOLLOWS:		shnida •
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO B. CONCRETE EXPOSED TO EARTH OR WEATHER - 2 INCHES	EARTH - 3 INCHES	impa • Fl
OTHERWISE SPECIFIED BY THE ENGINEER. b. PORTLAND CEMENT SHALL BE TYPE II, ASTM C-150. c. WATER SHALL BE CLEAN, FRESH, AND POTABLE. d. W/C RATIO SHALL BE 0.35. e. COARSE AGGREGATE SHALL BE NORMAL WEIGHT, MAX SIZ f. CONCRETE TO CONTAIN NO CALCIUM CHLORIDE. g. SLUMP TESTS SHALL BE PERFORMED ACCORDING TO ASTM H. FLY ASH TO BE 25% MAXIMUM BY WEIGHT OF CEMENTITION i. WATER REDUCING AGENTS, ASTM C-494.	M C-143. SLUMPS SHALL BE BETWEEN 3 AND 5 INCHES. JS MATERIAL, ASTM C-618-78 CLASS F.	
21. REINFORCEMENT DETAILING TO FOLLOWING ACI 315-99 OR LATE	EST EDITION.	l l l l l l l l l l l l l l l l l l l
D INSPECTIONS AND TESTING:		
TRACTOR SHALL BE RESPONSIBLE FOR COSTS OF:		
1. RETESTING AND RE-INSPECTION OF MATERIALS, WORK AND/OR I THE CONTACT DOCUMENTS AND SHOW DRAWINGS/SUBMITTAL D		
2. REVIEW OF PROPOSED REPAIR AND/OR REPLACEMENT PROCED RESPONSIBLE CHARGE AND THE INSPECTORS AND TESTING AGE		
3. REPAIR OR REPLACEMENT OF WORK THAT DOES NOT MEET THE	REQUIREMENTS OF THE CONTRACT DOCUMENTS.	I I 28 8 8
4. THE CONTRACTOR IS RESPONSIBLE FOR THE TRAVEL COSTS OF WHERE INSPECTION IS REQUIRED.	ANY INSPECTOR OR ENGINEER OF RECORD.	GRADING GRADING
CRETE TESTING:		
1. CONCRETE TESTING AND INSPECTION SHALL BE PERFORMED IN A SAMPLES FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 50 C.Y. OF C THAN ONCE FOR EACH 5,000 SQUARE FEET OF SURFACE AREA FO COMPLIANCE SHALL BE PROVIDED TO THE OWNER, ENGINEER, A	PLACED EACH DAY SHALL BE TAKEN NOT LESS ONCRETE USED FOR FOOTINGS OR BEAMS, NOR LESS OR SLABS. TEST REPORTS INDICATING NON-	
TESTING:		
1. A GEOTECHNICAL INVESTIGATION CONSISTING OF STANDARD PE TO VERIFY SOIL CONDITIONS UTILIZED IN DESIGN.	NETRATION TEST BORINGS WILL BE NECESSARY	
2. ALL FILL MATERIAL SHALL BE PLACED AND COMPACTED IN STRICT REPORT PREPARED FOR THE PROJECT. IN NO INSTANCE SHALL F IN INDIVIDUAL LIFT DEPTHS EXCEEDING 12 INCHES UNLESS SPEC PROJECT GEOTECHNICAL ENGINEER. IN NO INSTANCE SHALL FIL (UPON WHICH FOUNDATIONS AND/OR SLABS ON GRADE ARE TO B THAT 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY UNLES BY THE PROJECT GEOTECHNICAL ENGINEER.	ILL MATERIAL BE PLACED AND COMPACTED IFICALLY DIRECTED TO DO SO IN WRITING THE L MATERIAL AND NATURAL SUBGRADE MATERIAL E SUPPORTED) BE COMPACTED TO A CRITERIA LESS	NOTES
3. THE OWNER SHALL RETAIN AN INDEPENDENT TESTING LABORATO	DRY TO PERFORM THE FOLLOWING TESTS:	
a. ONE DENSITY TEST FOR EACH 1500 SQUARE FEET OF COMPAC	TED SUBGRADE OR COMPACTED FILL.	
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TO THE BEST OF MY KNOWLEDGE THE PLANS AND SPECIFICATION FOR THIS RESIDENCE COMPLY		PROJECT NO. 201040-1
WITH THE APPLICABLE STRUCTURAL PROVISIONS OF THE 2020, 7TH EDITION OF THE FLORIDA	ENGINEER-OF-RECORD VITALY B. FEYGIN, P.E.	FL P.E. NO 65890
BUILDING CODE (FBC).		DRAWING NO.
		S-001
		SHEET