I. ALL SHOP DRAWINGS SHALL BE SUBMITTED FOR ARCHITECT'S REVIEW ONLY AFTER THEY HAVE BEEN THOROUGHLY REVIEWED BY THE CONTRACTOR FOR CONSTRUCTION METHODS, DIMENSIONS AND OTHER TRADE REQUIREMENTS, AND STAMPED WITH THE CONTRACTOR'S APPROVAL STAMP. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR DIMENSIONS, QUANTITIES, ENGINEERING DESIGN BY DELEGATED ENGINEERS, ERRORS OR OMISSIONS AS A RESULT OF REVIEWING ANY SHOP DRAWINGS. ANY ERRORS OR OMISSIONS MUST BE MADE GOOD BY THE CONTRACTOR, IRRESPECTIVE OF RECEIPT, CHECKING OR REVIEW OF DRAWINGS BY THE ENGINEER AND EVEN THOUGH WORK IS DONE IN ACCORDANCE WITH SUCH DRAWINGS. 4. FLOOR DESIGN LOADS: SUPERIMPOSED DEAD LOADS: SUPERIMPOSED LIVE LOADS: RESIDENTIAL BALCONIES 3. ROOF DESIGN LOADS: SUPERIMPOSED DEAD LOADS: SUPERIMPOSED LIVE LOADS: I. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2023 FLORIDA BUILDING CODE - SECTION 1609 AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT. 7. THE CONTRACTOR SHALL PAY FOR ALL DAMAGES TO ADJACENT STRUCTURES, SIDEWALKS AND TO STREETS OR OTHER PUBLIC PROPERTY PUBLIC UTILITIES. 2. THE CONTRACTOR IS RESPONSIBLE AND SHALL COMPLY WITH THE SAFETY REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE AND APPLICABLE LOCAL, STATE AND FEDERAL LAWS. 5. CONTRACTOR SHALL SUBMIT TO THE ARCHITECT TWO SETS OF BLUE PRINTS OF THE STRUCTURAL SHOP DRAWINGS FOR ARCHITECT REVIEW, BEFORE STARTING FABRICATION. THE ARCHITECT WILL RETURN ONE MARKED UP AND STAMPED COPY TO THE CONTRACTOR. THE MARKED-UP COPY SHALL BE USED TO MAKE THE PRINTS REQUIRED FOR SHOP DRAWING DISTRIBUTION. 3. SHOP DRAWINGS SHALL CONTAIN ALL INFORMATION SHOWN ON THE STRUCTURAL PLANS (RELATED TO THE DELEGATED DESIGN) INCLUDING ALL DESIGN LOADS, IN ADDITION TO THE INFORMATION REQUIRED BY THE DELEGATED ENGINEER'S DESIGN. 5. THE CONTRACTOR SHALL USE THE STRUCTURAL DRAWINGS AND SPECIFICATIONS TOGETHER WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER TRADE DRAWINGS AND SHOP DRAWINGS, TO LOCATE DEPRESSED SLABS, SLOPES, DRAINS, OUTLETS, RECESSES, OPENINGS, BOLT SETTING, SLEEVES, DIMENSIONS, ETC. NOTIFY ARCHITECT/ENGINEER, IN WRITING, OF ANY POTENTIAL CONFLICTS BEFORE PROCEEDING WITH THE WORK. 2. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL OR SECTION IS SHOWN. I. THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, DESIGN AND EXTENT OF THE WORK AND ARE PARTIALLY DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MEASUREMENTS, O SERVE AS SHOP DRAWINGS OR PORTIONS THEREOF. BASED ON ANSI/ASCE 7-22 ASIC 4. PROVIDE AND MAINTAIN GUARD LIGHTS AT ALL BARRICADES, RAILINGS, OBSTRUCTIONS IN THE STREETS, ROADS OR SIDEWALKS AND ALL TRENCHES OR PITS ADJACENT TO PUBLIC WALKS OR ROADS. 5. AT ALL TIMES, PROVIDE PROTECTION AGAINST WEATHER (RAIN, MIND, STORMS OR THE SUN), SO AS TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FREE FROM INJURY OR DAMAGE. 3. PROVIDE ALL SHORING, BRACING AND SHEETING AS REQUIRED FOR SAFETY, STRUCTURAL STABILITY AND FOR THE PROPER EXECUTION OF THE MORK. REMOVE WHEN WORK IS COMPLETED. B. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR AND ALL THE SUBCONTRACTORS SHALL VERIFY ALL GRADES, LINES, LEVELS, DIMENSIONS AND COORDINATE EXISTING CONDITIONS AT THE JOB SITE WITH THE PLANS AND SPECIFICATIONS. THEY SHALL REPORT ANY INCONSISTENCIES OR ERRORS IN THE ABOVE TO THE ARCHITECT/ENGINEER BEFORE COMMENCING WORK. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL LAY OUT THEIR WORK FROM ESTABLISHED REFERENCE POINTS AND BE RESPONSIBLE FOR ALL LINES, ELEVATIONS AND MEASUREMENTS IN CONNECTION WITH THEIR WORK. 4. ARCHITECT WILL REVIEW ALL SUBMITTED SHOP DRAWINGS, PREPARED SIGNED AND SEALED BY THE CONTRACTOR'S DELEGATED ENGINEER, ONLY FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT, REQUIRED LOADING AND COORDINATION WITH THE STRUCTURAL DESIGN. THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE R PROCEDURES, SAFETY PRECAUTIONS, SHORES, RESHORES, LATERAL RACING AND PROGRAMS IN CONNECTION WITH THE PROJECT, ARE THE SOLE ESPONSIBILITY OF THE CONTRACTOR. OUR SERVICES DO NOT GUARANTEE OR ASSURE LIABILITY FOR THE JOB SAFETY, TEMPORARY SHORING AND RACING AND THE PERFORMANCE OF THE CONTRACTOR. AT THE END OF THE DAYS WORK, COVER ALL WORK LIKELY TO BE MAGED. ANY WORK DAMAGED BY FAILURE TO PROVIDE PROTECTION SHALL REMOVED AND REPLACED WITH NEW WORK AT THE CONTRACTOR'S PENSE. BEFORE STRUCTURAL INSPECTIONS CAN BE MADE ON A PORTION
THE STRUCTURE, ALL RELATED SHOP DRAWINGS, DELEGATED ENGINEERING,
ODUCT APPROVAL, MANUFACTURER'S DATA AND OTHER RELATED
ORMATION, MUST BE REVIEWED AND ACCEPTED BY THE ARCHITECT-RECORD AND APPROVED BY THE BUILDING DEPARTMENT. WIND LOAD CRITERIA IF ANY ERRORS OR OMISSIONS APPEAR IN THE DRAWINGS, GENERAL IS OR OTHER DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE INTECT IN WRITING OF SUCH OMISSION OR ERROR PRIOR TO PROCEEDING ANY WORK WHICH APPEARS IN QUESTION. IN THE EVENT OF THE RACTOR'S FAILING TO GIVE SUCH AN ADVANCED NOTICE, HE SHALL BE RESPONSIBLE FOR THE RESULTS OF ANY SUCH ERRORS OR OMISSIONS THE COST OF RECTIFYING THE SAME. DRAWINGS AND DELEGATED ENGINEERING STRUCTURAL NOTES 40 PSF 60 PSF 25 PSF 20 PSF 20 PSF NOTH!

ALL ANCHOR BOLT
STEEL ROD, THREA
FREE FROM RUST A NOTE!
ADDED FILL SHALL FEA. LIFT SHALL BE COMPACTION PER THE THE THOOD. NOTE!
THE DESIGN I
PROJECT IS
AND LOCAL NOTH!
THIS PROJECT IS TYPE 5 UNPROTECTED
CONSTRUCTION PER 2023 FBC TABLE 503
AND TABLE 600 4. BOTTOM OF ALL FOOTINGS TO BE A MINIMUM 1'-6" BELOW THE TOP OF CONCRETE SLAB ON GRADE (UNLESS OTHERWISE NOTED) OR MINIMUM 1'-0" BELOW FINISHED GRADE, WHICHEVER IS LOWER. IN THE EVENT THAT THE SLAB STEPS ON EACH SIDE OF THE FOOTING, THE FOOTING SHALL BE 1'-6" BELOW TOF THE LOWER SLAB. NOTH!

REFER TO THE METAL BUILDING SHOP DRAWINGS PREPARED BY "ELITE STRUCTURES", FOR EXACT LOCATION OF ALL EMBEDDED ANCHOR BOLTS. 7. ADDED REINFORCEMENT: PROVIDE ADDITIONAL CORNER BARS BENT 36 INCHES MINIMUM EACH WAY AT "L" AND "T" CORNERS IN OUTER FACES OF ALL BEAMS TO MATCH ALL HORIZONTAL BAR (TOP, BOTTOM AND INTERMEDIATE REBARS). 6. BEAM REINFORCEMENT: LAPPED 36 BAR DIAMETER OR MINIMUM 18 INCHES. BOTTOM BARS SPLICED ONLY AT SUPPORTS, TOP BARS SPLICED ONLY AT MID-SPAN. ALL TOP BARS HOOKED AT NONCONTINUOUS EDGES (U.O.N.). ALL HOOKS TO BE STANDARD 90 DEGREE HOOKS AS REQUIRED (U.O.N.). 2. ALL CONCRETE WORK IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING" (A.C.I. 301 - LATEST EDITION). PRODUCTION OF CONCRETE, DELIVERY, PLACING AND CURING TO BE IN ACCORDANCE WITH "HOT WEATHER CONCRETING" (A.C.I. 305R - LATEST EDITION). 5. FILL MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING 12" AND COMPACTED TO 98 % MODIFIED PROCTOR (ASTM D-1557) WITHIN A DISTANCE OF 3 FEET BEYOND ALL FOOTING EDGES. TAKE AT LEAST ONE DENSITY TEST FOR EACH 1,600 SQ.FT. OF AREA AND 12" BELOW SURFACE. RESULTS OF THE TEST TO OWNER, ARCHITECT AND ENGINEER. 4. PROVIDE SAW-CUT JOINTS AT ALL SIDEWALKS AT A MAXIMUM SPACING OF FIVE FEET ON CENTERS AND ISOLATION JOINTS AT 20 FEET (U.O.N.). I. ALL INTERIOR AND EXTERIOR SLABS AND WALKWAYS AS SHOWN ON THE STRUCTURAL OR ARCHITECTURAL PLANS, SHALL BE FOUR INCHES THICK MINIMUM REINFORCED WITH 6 \times 6 - WI.4 \times WI.4 WELDED WIRE FABR (UNLESS OTHERWISE NOTED). 3. TOP OF WALL FOOTINGS TO BE AT THE SAME ELEVATION AS TOP OF COLUMN PAD FOOTINGS. STEP WALL FOOTING FROM HIGHER COLUMN FOOTING TO THE LOWER ONE (AS DETAILED ON THE PLANS). 4. ALL REINFORCING TO BE NEW BILLET STEEL CONFORMING TO THE LATEST A.S.T.M. A-615 GRADE 60, FABRICATED IN ACCORDANCE WITH C.R.S.I. MANUAL OF STANDARD PRACTICE AND PLACED IN ACCORDANCE WITH A.C.I. 315 AND C.R.S.I. MANUAL OF STANDARD PRACTICE. 3. ALL CONCRETE TO BE REGULAR WEIGHT WITH A DESIGN STRENGTH OF 3,000 P.S.I. AT 28 DAYS. MAXIMUM SLUMP 5". I. CONCRETE DESIGN AND REINFORCEMENT IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (A.C.I. 318 LATEST EDITION) AND WITH "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" - (A.C.I. 315 - LATEST EDITION). CONCRETE AND REINFORCING: 3. JOINTS SHALL BE PROVIDED IN ALL INTERIOR SLABS ON GRADE AT LOC. INDICATED ON THE PLANS DIVIDING THE SLAB INTO SQUARE PANELS NOT TO EXCEED 20 X 20 FT. IN SIZE. CAST SLAB IN LONG ALTERNATE STRIPS. PROVIDE A CONTRACTION JOINT BETWEEN EACH STRIP. SEE PLAN FOR SAW-CUT, CONTRACTION AND ISOLATION JOINT DETAILS. 2. ALL SLABS ON GRADE TO BE CONSTRUCTED IN ACCORDANCE WITH LATEST A.C.I - "GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION" (A.C.I - 302.IR) CONCRETE SLABS ON GRADE: 6. ALL LONGITUDINAL REBARS IN THE CONTINUOUS WALL FOOTINGS,
SHALL BE CONTINUED AT BENTS AND CORNERS BY BENDING THE REBARS 48
BAR DIAMETERS AROUND THE CORNERS OR ADDING MATCHING CORNER BARS,
EXTENDING 48 BAR-DIAMETERS INTO FOOTING EACH SIDE OF CORNER OR BENT. 5. REINFORCING IN THE CONTINUOUS WALL FOOTINGS (MONOLITHIC AND NON-MONOLITHIC) SHALL BE SPLICED 40 BAR DIAMETERS MINIMUM AND SHALL EXTEND CONTINUOUSLY THRU ALL FOOTING PADS. 2. NATURAL GRADE (OR FILL) BELOW FOOTINGS SHALL BE COMPACTED TO 98 % MODIFIED PROCTOR (ASTM D-1557). I. FOUNDATIONS ARE DESIGNED TO BEAR ON WELL COMPACTED GRADE OR CLEAN FILL OF AN ALLOWABLE BEARING CAPACITY OF 1,000 PSF MINTUM. FOR REQUIRED SOIL BEARING CAPASITIES GREATER THAN 1,000 PSF, A CERTIFIED TESTING LABORATORY SHALL BE ENGAGED BY THE OWNER TO VERIFY THAT THE REQUIRED BEARING CAPACITY WAS OBTAINED. SAID SOIL CAPACITY SHALL BE CERTIFIED AND TESTED BY A FLORIDA REGISTERED FOUNDATION ENGINEER, PRIOR TO CASTING OF CONCRETE IN THE FOOTINGS. SEE PLAN FOR CONCRETE COVER UNLESS OTHERWISE DETAILED ON DRAWINGS - JURISDIA - BE APPLIED IN 12" LIFTS CONPACTED TO 98% DRY THE "MODIFIED PROCTOR" PER 2023 FBC 8th ED. 1609 ICTION REQUIREMENTS MASTM GRADE A36 3 1/2", BLACK AND VALE (BOTTOM).... (TOP & SIDES). CENTERED W/SLAB <u>ڀ</u> SEND 40'-0" 15'-10" 15'-10" 8'-4" $4"\phi \times 1/2"$ STL. PLATE W. WELDED TO ANC. BOLT $\langle O \rangle$ $\langle \sigma \rangle$ $\langle \mathbf{1} \mathbf{1} \rangle$ 15'-2" 15'-2" (\mathcal{V}) (\mathcal{N}) (n)(N) MYTEDIATELY FOLLOWING FINISH TROWELING OF THE SLOONTRACTOR SHALL COVER THE ENTIRE SLAW AREA CONTRACTOR SHALL COVER THE ENTIRE SLAW AREA CAMETING. THE PLASTIC SHEETING SHALL REMAIN IN-PLASTIC SHEETING SHEETIN 0 0 3'-4 1/4" 3'43 1/2' 3'-3 1/2" ,3'-2 1/4" (ω) 2'-8 1/2" (\mathcal{V}) 16" X 18" X CONTINOUS, FOOTING, W/2 *5 REBAR, TOP & BOTTOM, CONT., WIRE CHAIRS & 48" O.C., TRANSVER EA. LAYER - LAP SPLICE ALL REE A MINIMUM OF 40 BAR DIAMETERS. 0 CHNTHRH **5** $\bar{\rho}$ V_2 " ϕ X 9" ALL-THREAD ROD SET IN DRILLED 5/8" ϕ HOLES X 1", SECURED W/ 2-PART CONSTRUCTION EPOXY jn D $\langle \mathbf{r} \rangle$ 00-0 0 -0 *Q* THE ANCHOR BOLT DIAMETERS AND DEVELOPED LENGTHS INDICATED IN THIS DRAWING WERE DETERMININED USING SHEAR FRICTION THEORY AS DESCRIBED IN AISC DESIGN GUIDE NO.1, SECTION 9.2, ASSUMING AN ANCHOR BOLT MATERIAL OF ASTM A301 OR A36. THE COMBINED FORCES ACTING AT THE BASE OF THE STEEL FRAME RESULTING IN A VERTICAL REACTION ACTING UPON THE FOUNDATION WERE DEVELOPED AS FOLLOWS: **Naccor** = Td + Tsf OGES OF 6 MIL VAPOR BARRIER MIN. 6" -All Joints, tears and filping penetrations UCT TAPE ——\ TOTAL TENSILE FORCE PER BOLT DUE TO DIRECTLY APPLIED LOAD = PN TENSILE FORCE PER BOLT DUE TO SHEAR FRICTION = $V / (n \times u)$ P = TOTAL UPLIFT TO BE RESISTED BY ANCHOR BOLT GROUP Y = TOTAL SHEAR FORCE TO BE RESISTED BY ANCHOR BOLT GROUP n = NUMBER OF ANCHOR BOLTS
U = COEFFICIENT OF FRICTION (TAKEN AS Ø.T FOR UNGROUTED BASE PLATES)
PLATES OR Ø.9 FOR GROUTED BASE PLATES) PROVIDE DEL. 6X
REINFORCING ATLA
EXTENDING 60"+-JLLED CONC. SLAB, W/ I SLAB EDGE, PER PLAN G, OVER 6 MIL PLASTIC . COMPACTED SAND FILL $\langle \omega \rangle$ 10/10 WWM. SLAB L GRADE BEAMS, NT9 SLAB. UNDATION SIZING: DE:
SAW CUT CONTROL JOINT CUT
TIAL CONC. SET AT MID-POINT
N FRAMES (TOTAL 5 CUTS) TOP # BOTTOM, W/ 391/2" CENTERED 20'-0 20 <u>-</u>0 FOOTING @ SLAB EDGE SCALE: 1/4" = 1'-@" FOOTING @ MAIN FRAME SCALE: 1/4" = 1'-0" N 4 ð (2) (2) (v) $(oldsymbol{
u})$ \mathcal{U} 13'-2" 12'-4" 13'-2" (T) 8" (4) | S $\langle \mathbf{m} \rangle$ 40'-0" <u>a</u> 22" 6" JURAL TROUBLE 1758 NW Brown Rd. Lake City, FL 32055 386—365—4355 Celebrating 53 Years of Service METAL BUILDING FOUNDATION for: NICHOLAS PAUL GEISLER ARCHITECT Copyright 2025 N.P. Geisler, Architect 11 SEP 2025

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COLUMBIA COUNTY, FLORIDA

FOUNDATION PLAN

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