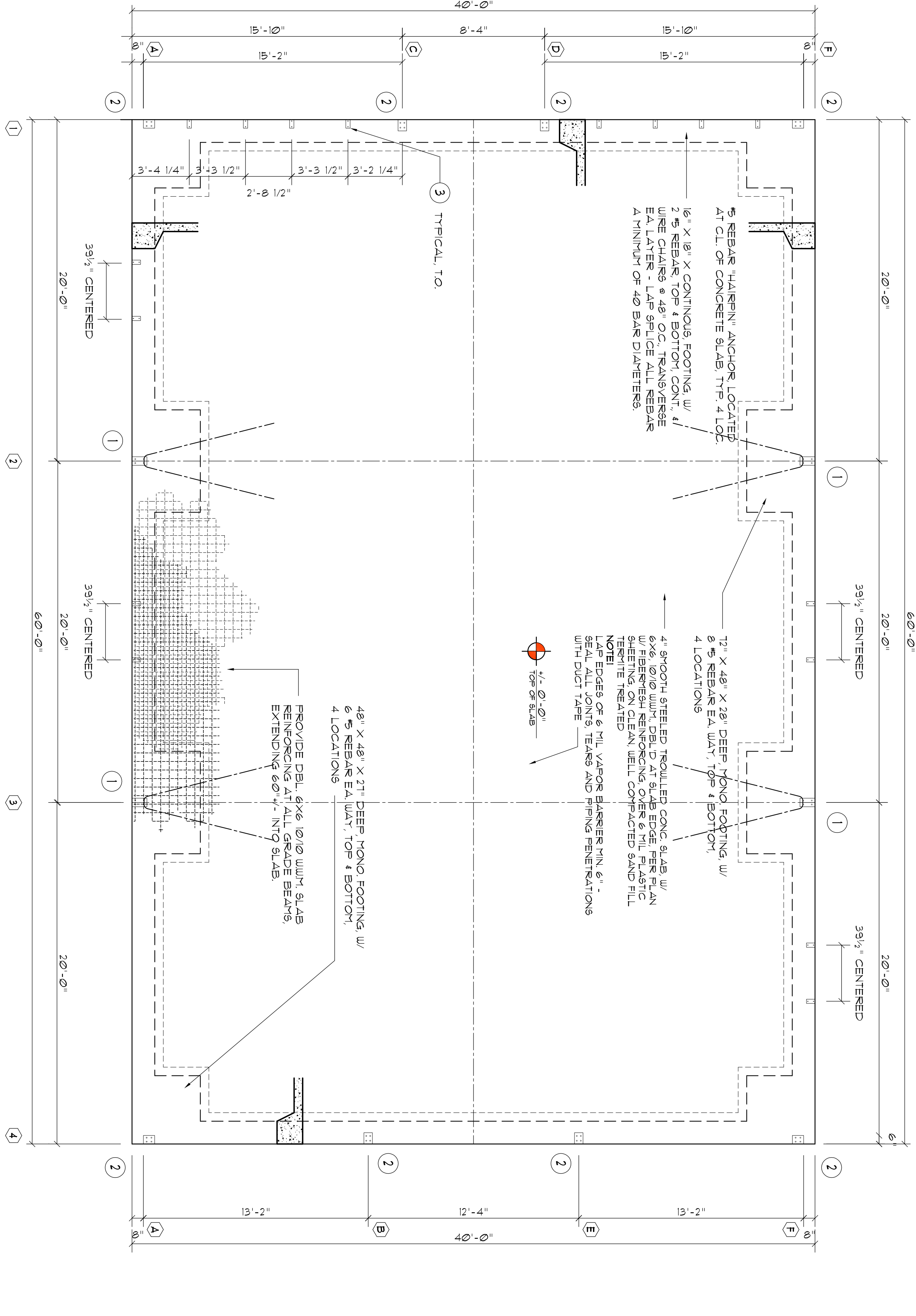
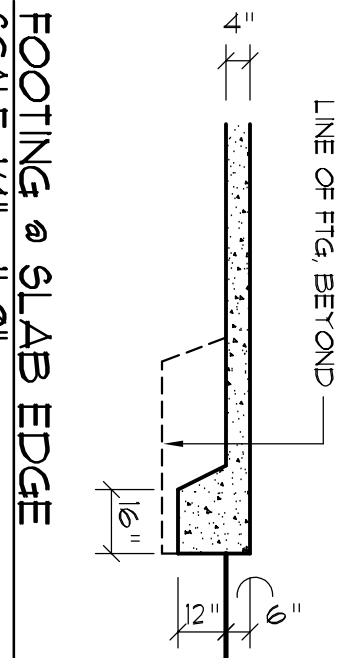
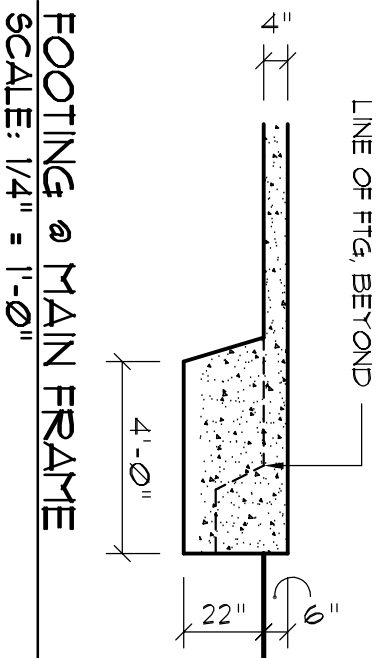


NOTE - PROVIDE:
1/4" X 1" DEEP SAW CUT CONTROL JOINT CUT
FOLLOWING INITIAL CONC. SET AT MID-POINT
BETWEEN MAIN FRAMES (TOTAL 5 CUTS)



ANCHOR BOLT / FOUNDATION SIZING:

WHERE:
T = TOTAL TENSILE FORCE PER BOLT
F = TENSILE FORCE PER BOLT DUE TO SHEAR FRICTION = $V / (n \times \mu)$
WHERE:
P = TOTAL UPLIFT TO BE RESISTED BY ANCHOR BOLT GROUP
V = TOTAL SHEAR FORCE TO BE RESISTED BY ANCHOR BOLT GROUP
n = COEFFICIENT OF FRICTION (TAKEN AS 0.1 FOR UNGRADED BASE PLATES OR 0.3 FOR GRADED BASE PLATES)



CONCRETE SLAB CURING REQUIREMENTS:
IMMEDIATELY FOLLOWING FINISH TROWELING OF THE SLAB, THE
CONTRACTOR SHALL COVER THE ENTIRE SLAB AREA W/ PLASTIC
SHEETING. THE PLASTIC SHEETING SHALL REMAIN IN-PLACE FOR
A MINIMUM OF 12 HOURS PRIOR TO RE-CONCRETING WORK.

FOUNDATIONS (SPREAD FOOTINGS)

1. FOUNDATIONS ARE DESIGNED TO BEAR ON WELL COMPACTED GRADE OR CLEAN FILL OF AN ALLOWABLE BEARING CAPACITY OF 1,000 PSF MINIMUM. FOR REQUIRED SOIL BEARING CAPACITIES GREATER THAN 1,000 PSF, THE CONTRACTOR SHALL OBTAIN SOIL TESTS AND SOIL BEARING CAPACITY REPORTS TO VERIFY THAT THE REQUIRED BEARING CAPACITY WAS OBTAINED. SOIL CAPACITY SHALL BE DETERMINED AND TESTED BY A FLORIDA REGISTERED GEOTECHNICAL ENGINEER. PRIOR TO CASTING OF CONCRETE IN THE FOOTINGS.
2. MINIMUM GRADE (OR FILL) BELOW FOOTINGS SHALL BE COMPACTED TO 95% MODIFIED PROCTOR (ASTM D-1557).
3. TOP OF WALL FOOTINGS TO BE AT THE SAME ELEVATION AS TOP OF CONCRETE SLAB. MINIMUM 12" BELOW GRADE (OR FILL) FOR ALL OTHER FOOTINGS TO THE LOWER ONE (AS DETAILED ON THE PLANS). MINIMUM 18" BELOW GRADE (OR FILL) FOR ALL FOOTINGS TO BE A MINIMUM 1'-4" BELOW THE TOP OF CONCRETE SLAB ON GRADE (UNLESS OTHERWISE NOTED). FOR MINIMUM 1'-0" BELOW FINISHED GRADE (WHICHEVER IS LOWER, IN THE EVENT THAT THE SLAB OF THE LOWER SLAB).
5. REINFORCING IN THE CONTINUOUS WALL FOOTINGS (MINIMUM 12" AND NON-FOOTING) SHALL BE SPACED @ BAR DIAMETERS MINIMUM AND SHALL EXTEND CONTINUOUSLY THRU ALL FOOTING JOINTS.
6. ALL LONGITUDINAL REBARS IN THE CONTINUOUS WALL FOOTINGS SHALL BE CONTINUED AT BENTS AND CORNERS BY BENDING THE REBARS @ BAR DIAMETERS AROUND THE CORNERS OR ADJACENT WALLING. CORNER BARS, EXTENDING @ BAR DIAMETERS INTO FOOTING FROM SIDE OF BENT.
7. ALL FOOTINGS SHALL BE 12" MINIMUM THICKNESS.

CONCRETE SLABS ON GRADE

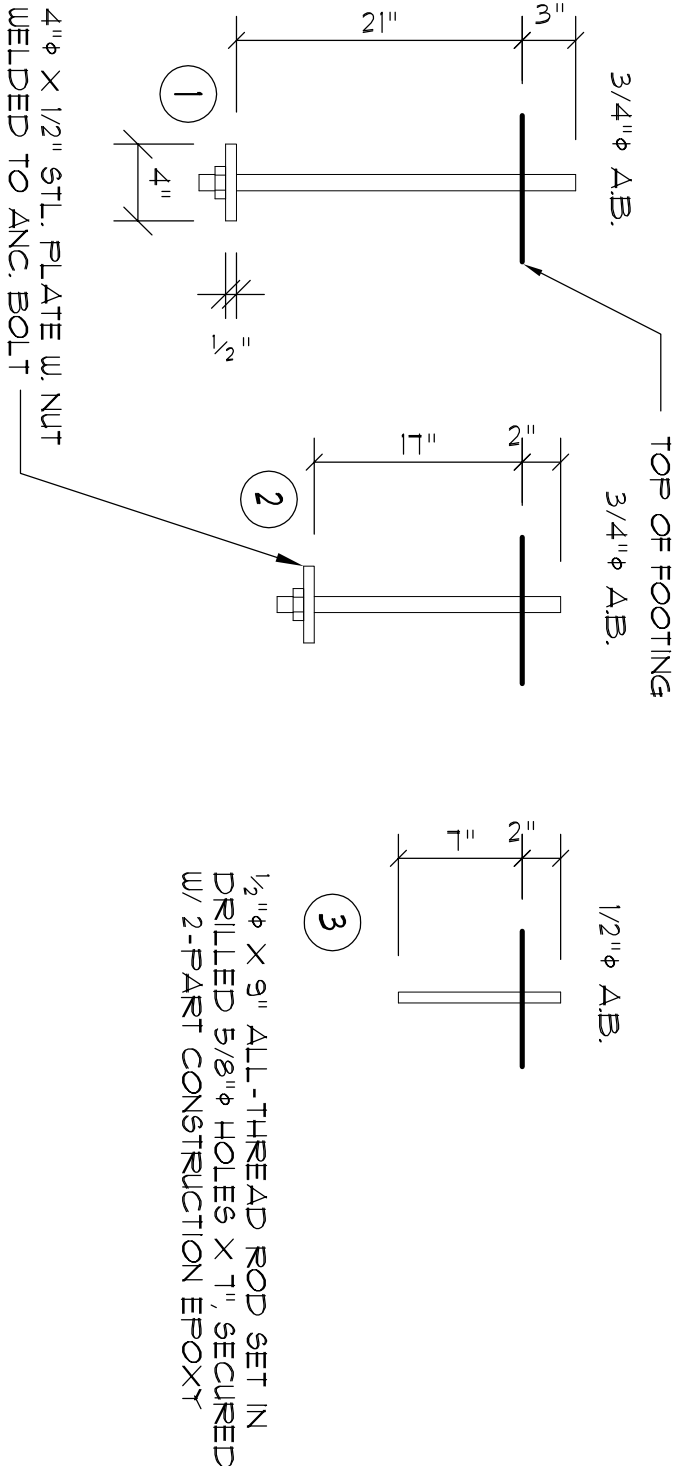
1. ALL INTERIOR AND EXTERIOR SLABS AND WALKWAYS AS SHOWN ON THE STRUCTURAL OR ARCHITECTURAL PLANS, SHALL BE FOUR INCHES THICK MINIMUM REINFORCED WITH 6 X 6 - #4 X #4 WELDED WIRE FABRIC (UNLESS OTHERWISE NOTED).
2. ALL SLABS ON GRADE TO BE CONSTRUCTED IN ACCORDANCE WITH A.C.I. 308 - LATEST EDITION.
3. 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 CONTINUOUS JOINT BETWEEN EACH STRIP. SEE PLAN FOR SAW-CUT, CONSTRUCTION AND SEPARATION JOINT DETAILS.
4. REMOVE SAW-CUT JOINTS AT ALL SIDEWALKS AT A MINIMUM 12" FROM THE FACE OF THE CURB AND SEPARATION JOINTS AT 20 FEET O.C. (UNLESS OTHERWISE NOTED).
5. FILL MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING 12" AND COMPACTED TO 95% MODIFIED PROCTOR (ASTM D-1557) WITHIN A DISTANCE OF 3 FEET BEYOND ALL FOOTING EDGES. TAKE AT LEAST ONE (1) TEST TO DETERMINE, ACCEPTED AND DOCUMENT.

CONCRETE AND REINFORCING

1. CONCRETE DESIGN AND REINFORCEMENT IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (A.C.I. 308 - LATEST EDITION) AND REINFORCING (A.C.I. 308 - LATEST EDITION).
2. ALL CONCRETE WORK IN ACCORDANCE WITH SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING (A.C.I. 308 - LATEST EDITION). PRODUCTION OF CONCRETE, DELIVERY, PLACING AND CURING TO BE IN ACCORDANCE WITH HOT WEATHER CONCERNING (A.C.I. 308R - LATEST EDITION).
3. ALL CONCRETE TO BE REGULAR WEIGHT WITH A DESIGN STRENGTH OF 3,000 P.S.I. AT 28 DAYS. TOLERANT SLIPS 5'.
4. ALL REINFORCING TO BE NEW BUILT STEEL CONFORMING TO THE REQUIREMENTS OF A.C.I. 308 - LATEST EDITION. ALL REINFORCING SHALL BE MANUFACTURED IN ACCORDANCE WITH A.C.I. 308 - LATEST EDITION. ALL HOOKS TO BE STANDARD 90 DEGREE HOOKS AS REQUIRED (UNLESS OTHERWISE NOTED).
5. CONCRETE COVER UNLESS OTHERWISE DETAILED ON DRAWINGS:
FOOTINGS (BOTTOM) 3"
(TOP & SIDES) 4"
SLABS ON GRADE (CENTRED) 4" MIN. (UNLESS OTHERWISE NOTED)
6. BEAM REINFORCEMENT LAPPED 3x BAR DIAMETER OR MINIMUM 18 INCHES. ALL LAPS TO BE IN THE MIDDLE OF THE SPAN. ALL TOP BARS LAPPED AT MINIMUM 20 INCHES (UNLESS OTHERWISE NOTED). ALL HOOKS TO BE STANDARD 90 DEGREE HOOKS AS REQUIRED (UNLESS OTHERWISE NOTED).
7. ADDED REINFORCEMENT: PROVIDE ADDITIONAL CORNER BARS OF ALL BEAMS TO MATCH ALL HORIZONTAL BARS (TOP, BOTTOM AND INTERMEDIATE BEAMS).
8. SEE PLAN FOR MINIMUM SIZE CONCRETE REINFORCEMENT.

Foundation PLAN

SCALE: 1/4" = 1'-0"



NOTE:
ALL ANCHOR BOLTS ARE A307 GRADE A36 STEEL ROD, THREADED 2" OR GRADE A307 BLACK AND FREE FROM RUST AND SCALE

NOTE:
ALL DOORENTRY OPENINGS FREE SHOP DETAILS ARE NET SIZE AND REQUIRE 2 - 1/2" ALL-THREAD A36 AT EACH SIDE OF THE OPENING REFER TO METAL BUILDING SHOP DRAWINGS FOR DETAIL

Anchor Bolt Details

SCALE: 1" = 1'-0"

GENERAL STRUCTURAL NOTES

GENERAL

1. THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, DESIGN AND EXTENT OF THE WORK AND ARE NOT PARTIALLY DIAGNOSTIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, ORDINANCES, AND SPECIFICATIONS. THEY SHALL REPORT ANY INCONSISTENCIES OR ERRORS IN THE DRAWINGS TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION. THE ARCHITECT ASSURES NO RESPONSIBILITY FOR DIMENSIONS, QUANTITIES, ENGINEERING DESIGN BY DELEGATED ENGINEERS, ERRORS OR OMISSIONS AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE OR FAILURE TO CHECK OR VERIFY THE DESIGN OR REVISE OF DRAWINGS BY THE ENGINEER AND EVEN THOUGH WORK IS DONE IN ACCORDANCE WITH SUCH DRAWINGS.
2. BEFORE STRUCTURAL INSPECTIONS CAN BE MADE ON A PORTION OF THE STRUCTURE, ALL RELATED SHOP DRAWINGS, DELEGATED ENGINEERING, INSPECTION REPORTS, AND MATERIAL TESTS SHALL BE SUBMITTED FOR REVIEW AND APPROVED BY THE BUILDING DEPARTMENT.
3. SHOP DRAWINGS SHALL CONTAIN ALL INFORMATION SHOWN ON THE STRUCTURAL PLANS (RELATED TO THE INFORMATION REQUIRED BY THE DELEGATED ENGINEER'S DESIGN).
4. ARCHITECT WILL REVIEW ALL SUBMITTED SHOP DRAWINGS, PREPARED AND FORWARDED BY THE CONTRACTOR, AND SHALL BE RESPONSIBLE FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT. REQUIRED LOADING AND COORDINATION WITH THE STRUCTURAL DESIGN.
5. CONTRACTOR SHALL SUBMIT TO THE ARCHITECT TWO SETS OF BLUE PRINTS OF THE STRUCTURAL SHOP DRAWINGS FOR ARCHITECT REVIEW. UPON APPROVAL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FABRICATION OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FABRICATION OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FABRICATION OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FABRICATION OF THE WORK.

SHOP DRAWINGS AND DELEGATED ENGINEERING

1. 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 DATA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FABRICATION OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FABRICATION OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FABRICATION OF THE WORK.
2. BEFORE STRUCTURAL INSPECTIONS CAN BE MADE ON A PORTION OF THE STRUCTURE, ALL RELATED SHOP DRAWINGS, DELEGATED ENGINEERING, INSPECTION REPORTS, AND MATERIAL TESTS SHALL BE SUBMITTED FOR REVIEW AND APPROVED BY THE BUILDING DEPARTMENT.
3. SHOP DRAWINGS SHALL CONTAIN ALL INFORMATION SHOWN ON THE STRUCTURAL PLANS (RELATED TO THE INFORMATION REQUIRED BY THE DELEGATED ENGINEER'S DESIGN).
4. ARCHITECT WILL REVIEW ALL SUBMITTED SHOP DRAWINGS, PREPARED AND FORWARDED BY THE CONTRACTOR, AND SHALL BE RESPONSIBLE FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT. REQUIRED LOADING AND COORDINATION WITH THE STRUCTURAL DESIGN.
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CONSTRUCTION METHODS AND METHODS

1. THE CONSTRUCTION METHODS, METHODS, TECHNIQUES, SEQUENCE OR PROCEDURES, SAFETY PRECAUTIONS, SAFETY, REVISIONS, LATERAL RESPONSIBILITY OF THE CONTRACTOR, OR SERVICES DO NOT GUARANTEE NOR ASSURE LIABILITY FOR THE JOB SAFETY, TEMPORARY SHORING AND BRACING AND THE PERFORMANCE OF THE CONTRACTOR.
2. THE CONTRACTOR IS RESPONSIBLE AND SHALL COMPLY WITH THE LOCAL, STATE AND FEDERAL LAWS.
3. PROVIDE ALL SHORING, BRACING AND SHEETING AS REQUIRED FOR THE PROPER ERECTION OF THE WORK. REMOVE WHEN WORK IS COMPLETED.
4. PROVIDE AND MAINTAIN GUARD LIGHTS AT ALL ABUTMENTS, BALUNGS, 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, WIND, STORMS OR THE SUN) SO AS TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FINISHES FREE FROM RUPTURE OR DAMAGE.
6. AT THE END OF THE DAYS WORK, COVER ALL WORK LIKELY TO BE DAMAGED. ANY WORK DAMAGED BY FAILURE TO PROVIDE PROTECTION SHALL BE REPAIRED AND RETASKED WITH NEW WORK AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO ADJACENT STRUCTURES, SIDEWALKS AND TO STREETS OR OTHER PUBLIC PROPERTY OR PUBLIC UTILITIES.

STRUCTURAL DESIGN CRITERIA

1. THE DESIGN CRITERIA WITH THE REQUIREMENTS OF THE 2023 FLORIDA BUILDING CODE - SECTION 609 AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT THE TIME OF PRESENT.
2. WIND LOAD CRITERIA
BASED ON WINDSPEED 7-22 ASCE WIND VELOCITY 10 MPH,
3. EXTERIOR DESIGN LOADS
SUPERIMPOSED LIVE LOADS: 20 PSF
4. EXTERIOR DESIGN LOADS
SUPERIMPOSED DEAD LOADS: 25 PSF
SUPERIMPOSED LIVE LOADS: 40 PSF
BALCONIES
5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS