GENERAL:

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, OR TO SERVE AS SHOP DRAWINGS OR PORTIONS THEREOF.

2. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELGEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL OR SECTION IS SHOWN.

3. 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 TO THE LOWER ONE (AS DETAILED ON THE PLANS). 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, CONCRETE SLAB ON GRADE (UNLESS OTHERWISE NOTD) OR MINIMUM 1'-0" ELEVATIONS AND MEASUREMENTS IN CONNECTION WITH THEIR WORK

4. IF ANY ERRORS OR OMISSIONS APPEAR IN THE DRAWINGS, GENERAL NOTES OR OTHER DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF SUCH OMISSION OR ERROR PRIOR TO PROCEEDING WITH ANY WORK WHICH APPEARS IN QUESTION. IN THE EVENT OF THE CONTRACTOR'S FAILING TO GIVE SUCH AN ADVANCED NOTICE, HE SHALL BE HELD RESPONSIBLE FOR THE RESULTS OF ANY SUCH ERRORS OR OMISSIONS AND THE COST OF RECTIFYING THE SAME.

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

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 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.

2. BEFORE STRUCTURAL INSPECTIONS CAN BE MADE ON A PORTION OF THE STRUCTURE, ALL RELATED SHOP DRAWINGS, DELEGATED ENGINEERING, PRODUCT APPROVAL, MANUFACTURER'S DATA AND OTHER RELATED NFORMATION, MUST BE REVIEWED AND ACCEPTED BY THE ARCHITECT-OF-RECORD AND APPROVED BY THE BUILDING DEPARTMENT.

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.

4. ARCHITECT WILL REVIEW ALL SUBMITTED SHOP DRAWINGS, PREPARED AND CONCRETE AND REINFORCING: 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.

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 STRUCTURAL CONCRETE FOR BUILDING" (A.C.I. 301 - LIEST EDITION). BE USED TO MAKE THE PRINTS REQUIRED FOR SHOP DRAWING DISTRIBUTION.

CONSTRUCTION MEANS AND METHODS:

THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE OR PROCEDURES, SAFETY PRECAUTIONS, SHORES, RESHORES, LATERAL BRACING AND PROGRAMS IN CONNECTION WITH THE PROJECT, ARE THE SOLE LATEST AS.T.M. A-615 GRADE 60, FABRICATED IN ACORDANCE WITH CR.S.I. RESPONSIBILITY OF THE CONTRACTOR. OUR 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 SAFETY REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE AND APPLICABLE FOOTINGS: LOCAL, STATE AND FEDERAL LAWS.

3. PROVIDE ALL SHORING, BRACING AND SHEETING AS REQUIRED FOR SAFETY, STRUCTURAL STABILITY AND FOR THE PROPER EXECUTION OF THE WORK REMOVE WHEN WORK IS COMPLETED.

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, WIND, STORMS OR THE SUN), SO AS TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FREE FROM INJURY 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 REMOVED AND REPLACED WITH NEW WORK AT THE CONTRACTOR'S

1. THE CONTRACTOR SHALL PAY FOR ALL DAMAGES TO ADJACENT STRUCTURES, SIDEWALKS AND TO STREETS OR OTHER PUBLIC PROPERTY OR PUBLIC UTILITIES.

STRUCTURAL DESIGN CRITERIA:

1. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE - SECTION 1609 AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.

2. WIND LOAD CRITERIA:

BASED ON ANSI/ASCE 1-97. BASIC WIND VELOCITY 100 MPH,

SUPERIMPOSED DEAD LOADS: 20 PSF SUPERIMPOSED LIVE LOADS: 20 PSF

4. FLOOR DESIGN LOADS: SUPERIMPOSED DEAD LOADS: 25 PSF SUPERIMPOSED LIVE LOADS: RESIDENTIAL BALCONIES

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

FOUNDATIONS: (SPREAD FOOTINGS)

I. FOUNDATIONS ARE DESIGNED TO BEAR ON WELL CAPACTED GRADE OR CLEAN FILL OF AN ALLOWABLE BEARING (PACITY OF 1,000 PSF MINMUM, FOR REQUIRED SOIL BEARING CAPASITIES GEATER THAN 1,000 PSF, A CERTIFIED TESTING LABORATORY SHALL BE ENAGED BY THE OWNER TO VERIFY THAT THE REQUIRED BEARING CAPLITY WAS OBTAINED. SAID SOIL CAPACITY SHALL BE CERTIFIED AND TESTE BY A FLORIDA REGISTERED FOUNDATION ENGINEER, PRIOR TO CASTIN OF CONCRETE IN

2 NATURAL GRADE (OR FILL) BELOW FOOTINGS SHALBE COMPACTED TO 98 % MODIFIED PROCTOR (A6TM D.151).

3. TOP OF WALL FOOTINGS TO BE AT THE SAME ELEVTION AS TOP OF COLUMN PAD FOOTINGS. STEP WALL FOOTING FROM HHER COLUMN FOOTING

4. BOTTOM OF ALL FOOTINGS TO BE A MINIMUM I'-6" ELOW THE TOP OF BELOW FINISHED GRADE, WHICHEVER IS LOWER IN THEVENT THAT THE SLAB STEPS ON EACH SIDE OF THE FOOTING, THE FOOTING SALL BE 1'-6" BELOW TOP

5. REINFORCING IN THE CONTINUOUS WALL FOOTINGS (ONOLITHIC AND NON-MONOLITHIC) SHALL BE SPLICED 40 BAR DMETERS MINIMUM AND SHALL EXTEND CONTINUOUSLY THRU ALL FOOTING PAG.

6. ALL LONGITUDINAL REBARS IN THE CONTINUOUS ILL FOOTINGS, SHALL BE CONTINUED AT BENTS AND CORNERS BY BIDING THE REBARS 48 BAR DIAMETERS AROUND THE CORNERS OR ADDING ATCHING CORNER BARS, EXTENDING 48 BAR-DIAMETERS INTO FOOTING EACH DE OF CORNER OR BENT.

7. ALL FOOTINGS SHALL BE 12" MINIMUM THICKNESS.

CONCRETE SLABS ON GRADE:

1. ALL INTERIOR AND EXTERIOR SLABS AND WALKWAS AS SHOWN ON THE STRUCTURAL OR ARCHITECTURAL PLANS, SHA. BE FOUR INCHES THICK MINIMUM REINFORCED WITH 6 X 6 - WI.4 X WI.4 ILDED WIRE FABRIC (UNLESS OTHERWISE NOTED).

2. ALL SLABS ON GRADE TO BE CONSTRUCTED IN ACORDANCE WITH LATEST A.C.I - "GUIDE FOR CONCRETE FLOOR AND SL3 CONSTRUCTION" (A.C.I.

3. JOINTS SHALL BE PROVIDED IN ALL INTERIOR SLAS ON GRADE AT LOC. INDICATED ON THE PLANS DIVIDING THE SLAB NO SQUARE PANELS NOT TO EXCEED 20 X 20 FT. IN SIZE. CAST SLAB IN LONG ALIRNATE STRIPS. PROVIDE A CONTRACTION JOINT BETWEEN EACH STRIP. SEE PLN FOR SAW-CUT, CONTRACTION AND ISOLATION JOINT DETAILS.

4. PROVIDE SAW-CUT JOINTS AT ALL SIDEWALKS AT MAXIMUM SPACING OF FIVE FEET ON CENTERS AND ISOLATION JINTS AT 20 FEET O.C.

5. FILL MATERIAL SHALL BE PLACED IN LIFTS NOT ECEEDING 12" AND COMPACTED TO 98 % MODIFIED PROCTOR (AM D-1557) WITHIN A DISTANCE OF 3 FEET BEYOND ALL FOOTING EDGES. IKE AT LEAST ONE DENSITY TEST FOR EACH 1600 SQFT. OF AREA AND I BELOW SURFACE. SEND RESULTS OF THE TEST TO OWNER, ARCHITECT AND ENNEER.

CONCRETE DESIGN AND REINFORCEMENT IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR REINFORCED COCRETE" (A.C.I. 318 -LATEST EDITION) AND WITH "DETAILS AND DETAILING F CONCRETE

REINFORCEMENT" - (A.C.J. 315 - LATEST EDITION).

2. ALL CONCRETE WORK IN ACCORDANCE WITH "SPEIFICATIONS FOR PRODUCTION OF CONCRETE, DELIVERY, PLACING ANDURING TO BE IN ACCORDANCE WITH "HOT WEATHER CONCRETING" (A.C 3/05R - LATEST

3. ALL CONCRETE TO BE REGULAR WEIGHT WITH A DIGN STRENGTH

4 ALL REINFORCING TO BE NEW BILLET STEEL CONFRMING TO THE MANUAL OF STANDARD PRACTICE AND PLACED IN ACORDANCE WITH AC.I. 315 AND C.R.S.I. MANUAL OF STANDARD PRACTICE.

(BOTTOM)....

(TOP & SIDES) ... 2"

CENTERED W/SAB

5. CONCRETE COVER UNLESS OTHERWISE DETAILEDIN DRAWINGS:

6. BEAM REINFORCEMENT: LAPPED 36 BAR DIAME'R OR MINIMUM 18 INCHES. BOTTOM BARS SPLICED ONLY AT SUPPORTSTOP BARS SPLICED ONLY AT MID-SPAN. ALL TOP BARS HOOKED AT NOCONTINUOUS EDGES (U.O.N.). ALL HOOKS TO BE STANDARD 90 DEGREE HOKS AS REQUIRED

1. ADDED REINFORCEMENT: PROVIDE ADDITIONALORNER BARS BENT 36 INCHES MINIMUM EACH WAY AT "L" AND "T" ORNERS IN OUTER FACES OF ALL BEAMS TO MATCH ALL HORIZONTAL BAR (TC, BOTTOM AND INTERMEDIATE REBARS).

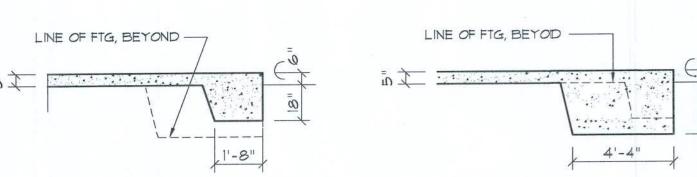
8. SEE PLAN FOR MINIMUM SIZE CONCRETE TIE BEAMEQUIREMENTS.

REFER TO THE METAL BUILDING SHOP DRAWINGS PREPARED BYSBS - STEEL BUILDING SYSTEMS INC., FOR EXACT_OCATION OF ALL EMBEDDED ANCHOR BOL'S.

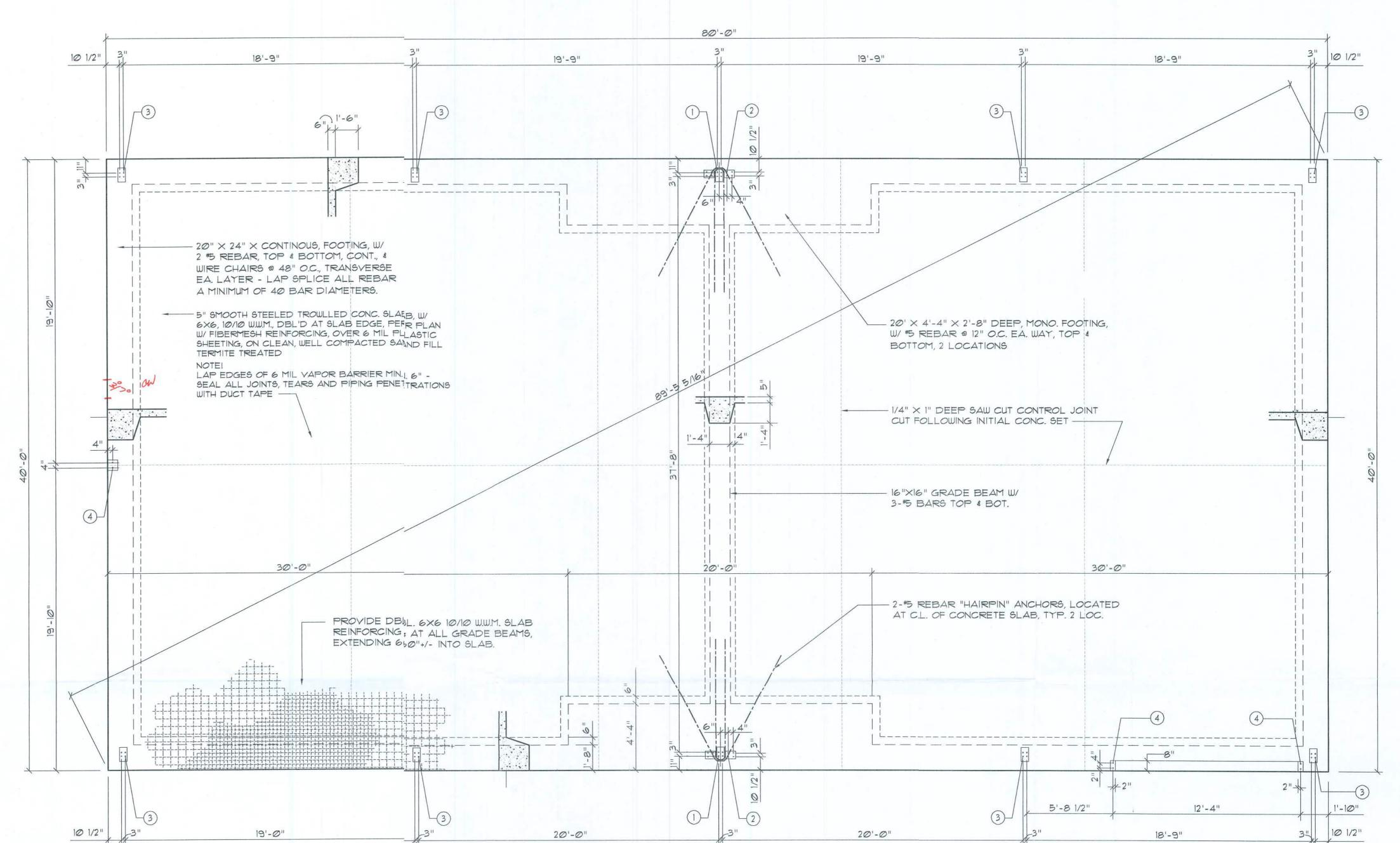
ADDED FILL SHALL BE APLIED IN 12" LIFTS -EA. LIFT SHALL BE CONPACTED TO 98% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.

AND LOCAL JURISDICTIONREQUIREMENTS

THE DESIGN WIND SPEED FOR THIS PROJECT IS 110 MPH PER 2004 FBC 1606



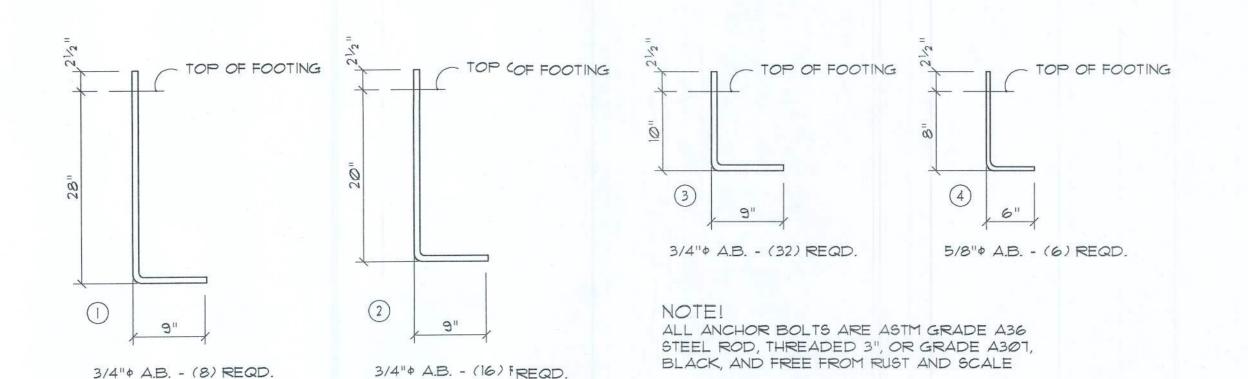
FOOTING @ MAIN FRAME



80'-0"

Foundation PLAN

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



Anchor Bolt DETAILS

ANCHOR BOLT / FOUNDATION SIZING:

THE ANCHOR BOLT DIAMETERS AND DEVELOPED LENGTHS INDICATED IN THIS DRAWING WERE DETERMININED USING SHEAR FRICTION THEORY AS DESCRIBED IN AISC DESIGN GUIDE No.7, SECTION 9.2, ASSUMING AN ANCHOR BOLT MATERIAL OF ASTM A307 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:

T = Td + Tsf

T = TOTAL TENSILE FORCE PER BOLT Td = TENSILE FORCE PER BOLT DUE TO DIRECTLY APPLIED LOAD = PN

TSF = TENSILE FORCE PER BOLT DUE TO SHEAR FRICTION = V / (n X u)

P = TOTAL UPLIFT TO BE RESISTED BY ANCHOR BOLT GROUP V = V = TOTAL SHEAR FORCE TO BE RESISTED BY ANCHOR BOLT GROUP n = n = NUMBER OF ANCHOR BOLTS

u = U = COEFFICIENT OF FRICTION (TAKEN AS 0.7 FOR UNGROUTED BASE PLATES OR 0.9 FOR GROUTED BASE PLATES)

> 16 MAY 2006 AR(007005

DJR

REVION:

10MAY2006

SHET:

OF