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.

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 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. 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:

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.

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 INFORMATION, MUST BE REVIEWED AND ACCEPTED BY THE ARCHITECTOF-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 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 BE USED TO MAKE THE PRINTS REQUIRED FOR SHOP DRAWING DISTRIBUTION.

CONSTRUCTION MEANS AND METHODS:

I. THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE OR PROCEDURES, SAFETY PRECAUTIONS, SHORES, RESHORES, LATERAL BRACING AND PROGRAMS IN CONNECTION WITH THE PROJECT, ARE THE SOLE 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 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 EXPENSE.

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

STRUCTURAL DESIGN CRITERIA:

I. 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 7-97. BASIC WIND VELOCITY 100 MPH,

3. ROOF DESIGN LOADS:
SUPERIMPOSED DEAD LOADS:
SUPERIMPOSED LIVE LOADS:
20 PSF

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

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

FOUNDATIONS: (SPRD FOOTINGS)

I. FOUNDATIONS AFDESIGNED TO BEAR ON WELL COMPACTED GRADE OR CLEAN FILOF AN ALLOWABLE BEARING CAPACITY OF 1,000 PSF MINMUM. FOR REQUED SOIL BEARING CAPASITIES GREATER THAN 1,000 PSF, A CERTIFIED TITING LABORATORY SHALL BE ENGAGED BY THE OWNER TO VERIFY TIT THE REQUIRED BEARING CAPACITY WAS OBTAINED. SAID SOIL CAPACITYHALL BE CERTIFIED AND TESTED BY A FLORIDA REGISTERED FOUNDAON ENGINEER, PRIOR TO CASTING OF CONCRETE IN THE FOOTINGS.

2. NATURAL GRADÍOR FILL) BELOW FOOTINGS SHALL BE COMPACTED TO 98 %ODIFIED PROCTOR (ASTM D-1557).

3. TOP OF WALL FITINGS TO BE AT THE SAME ELEVATION AS TOP OF COLUMN PAD FOOTINE, STEP WALL FOOTING FROM HIGHER COLUMN FOOTING TO THE LOWER ONE S DETAILED ON THE PLANS).

4. BOTTOM OF ALLOOTINGS TO BE A MINIMUM I'-6" BELOW THE TOP OF CONCRETE SLAB ON 'ADE (UNLESS OTHERWISE NOTED) OR MINIMUM I'-0" BELOW FINISHED GRÆ, WHICHEVER IS LOWER. IN THE EVENT THAT THE SLAB STEPS ON EACH SIDDF THE FOOTING, THE FOOTING SHALL BE I'-6" BELOW TOP OF THE LOWER SLAB

5. REINFORCING IN-IE CONTINUOUS WALL FOOTINGS (MONOLITHIC AND NON-MONOLITHICSHALL BE SPLICED 40 BAR DIAMETERS MINIMUM AND SHALL EXTEND CONTJOUSLY THRU ALL FOOTING PADS.

6. ALL LONGITUDIN REBARS IN THE CONTINUOUS WALL FOOTINGS, SHALL BE CONTINUED BENTS AND CORNERS BY BENDING THE REBARS 48 BAR DIAMETERS AROLD THE CORNERS OR ADDING MATCHING CORNER BARS, EXTENDING 48 BAR-IMETERS INTO FOOTING EACH SIDE OF CORNER OR BENT.

7. ALL FOOTINGS ALL BE 12" MINIMUM THICKNESS.

CONCRETE SLABS ONRADE:

I. ALL INTERIOR AI EXTERIOR SLABS AND WALKWAYS AS SHOWN ON THE STRUCTURAUR ARCHITECTURAL PLANS, SHALL BE FOUR INCHES THICK MINIMUM REINRCED WITH 6 X 6 - WI.4 X WI.4 WELDED WIRE FABRIC (UNLESS OTHERWISE)TED).

2. ALL SLABS ON 'ADE TO BE CONSTRUCTED IN ACCORDANCE WITH LATEST A.C.I - "GUII FOR CONCRETE FLOOR AND SLAB CONSTRUCTION" (A.C.I.

3. JOINTS SHALL EPROVIDED IN ALL INTERIOR SLABS ON GRADE AT LOC. INDICATED ON E PLANS DIVIDING THE SLAB INTO SQUARE PANELS NOT TO EXCEED 20 X 20 FT.I SIZE. CAST SLAB IN LONG ALTERNATE STRIPS. PROVIDE A CONTRACTION JOINBETWEEN EACH STRIP. SEE PLAN FOR SAW-CUT, CONTRACTION AND ISATION JOINT DETAILS.

4. PROVIDE SAW-C JOINTS AT ALL SIDEWALKS AT A MAXIMUM SPACING OF FIVE FE ON CENTERS AND ISOLATION JOINTS AT 20 FEET O.C. (U.O.N.).

5. FILL MATERIAL IALL BE PLACED IN LIFTS NOT EXCEEDING 12"
AND COMPACTED TO3 % MODIFIED PROCTOR (ASTM D-1557) WITHIN A
DISTANCE OF 3 FEEBEYOND ALL FOOTING EDGES. TAKE AT LEAST ONE
DENSITY TEST FOR CH 1,600 SQ.FT. OF AREA AND 12" BELOW SURFACE. SEND
RESULTS OF THE TE TO OWNER, ARCHITECT AND ENGINEER.

CONCRETE AND REINRCING:

I. CONCRETE DESIGNAD REINFORCEMENT IN ACCORDANCE WITH "BUILDING CODE REGREMENTS FOR REINFORCED CONCRETE" (A.C.I. 318 - LATEST EDITION) ANWITH "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" - (C.I. 315 - LATEST EDITION).

2. ALL CONCRETE PRK IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL CONCRE FOR BUILDING" (A.C.I. 301 - LATEST EDITION). PRODUCTION OF CONETE, DELIVERY, PLACING AND CURING TO BE IN ACCORDANCE WITH "IT WEATHER CONCRETING" (A.C.I. 305R - LATEST EDITION).

3. ALL CONCRETE) BE REGULAR WEIGHT WITH A DESIGN STRENGTH OF 3,000 P.S.I. AT 2DAYS. MAXIMUM SLUMP 5°.

4. ALL REINFORCINTO BE NEW BILLET STEEL CONFORMING TO THE LATEST A.S.T.M. A-1 GRADE 60, FABRICATED IN ACCORDANCE WITH C.R.S.I. MANUAL OF STANDAI PRACTICE AND PLACED IN ACCORDANCE WITH A.C.I. 315 AND C.R.S.I. MANUALIF STANDARD PRACTICE.

(BOTTOM).......3

(TOP & SIDES) 2

CENTERED W/SLAB

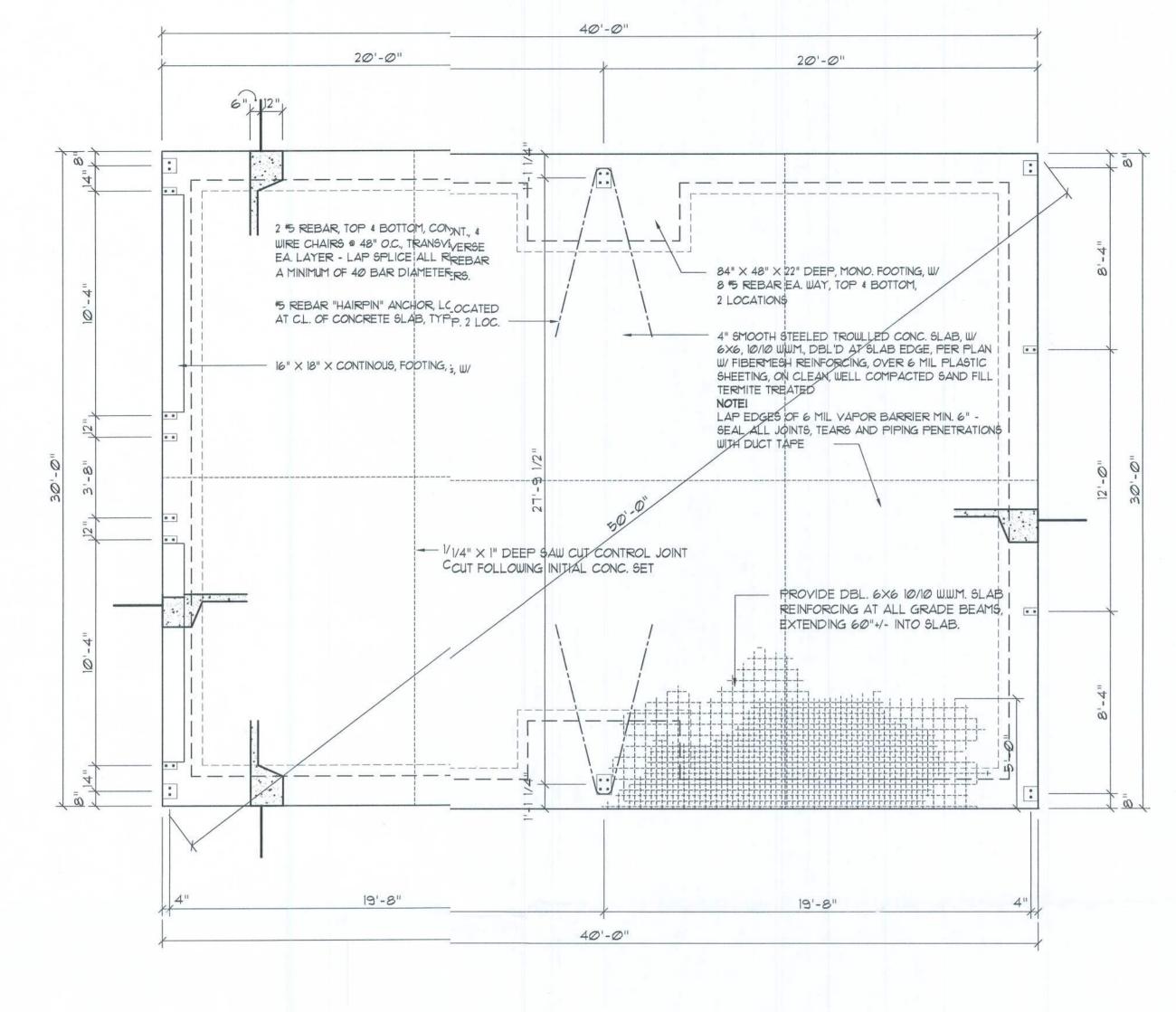
5. CONCRETE COVEUNLESS OTHERWISE DETAILED ON DRAWINGS:

SLABS ON GRADE:

6. BEAM REINFORCIENT: LAPPED 36 BAR DIAMETER OR MINIMUM 18 INCHES. BOTTOM BØ SPLICED ONLY AT SUPPORTS, TOP BARS SPLICED ONLY AT MID-SPAN.ALL TOP BARS HOOKED AT NONCONTINUOUS EDGES (U.O.N.). ALL HOOKTO BE STANDARD 90 DEGREE HOOKS AS REQUIRED (U.O.N.)

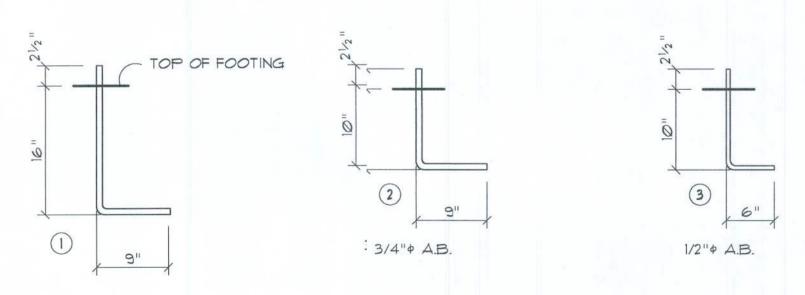
7. ADDED REINFORMENT: PROVIDE ADDITIONAL CORNER BARS
BENT 36 INCHES MINUM EACH WAY AT "L" AND "T" CORNERS IN OUTER FACES
OF ALL BEAMS TO 17CH ALL HORIZONTAL BAR (TOP, BOTTOM AND
INTERMEDIATE REBAI).

8. SEE PLAN FOR MMUM SIZE CONCRETE TIE BEAM REQUIREMENTS.



Foundation PLAN

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



MOTE

BBLACK, AND FREE FROM RUST AND SCALE

AALL ANCHOR BOLTS ARE ASTM GRADE A36

SSTEEL ROD, THREADED 3", OR GRADE A307,

SCALE: 1" = 1'-0"

3/4" A.B.



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

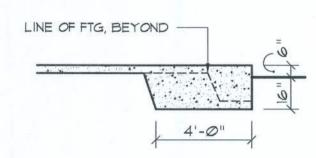
Td = TENSILE FORCE PER BOLT DUE TO DIRECTLY APPLIED LOAD = PN

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

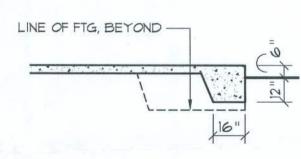
WHERE

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



FOOTING @ MAIN FRAME SCALE: 1/4" = 1'-0"



FOOTING @ SLAB EDGE SCALE: 1/4" = 1'-0"

NOTE!

REFER TO THE METAL BUILDING SHOP
DRAWINGS PREPARED BY BSX - BUILDING
SYSTEMS EXPRESS, INC., FOR EXACT LOCATION
OF ALL EMBEDDED ANCHOR BOLTS.

NOTE

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

NOTE!

THE DESIGN WIND SPEED FOR THIS PROJECT IS 100 MPH PER 2004 FBC 1606 AND LOCAL JURISDICTION REQUIREMENTS Copyrigh

DRAWN:

irawn: 1PE

METAL BUILDING FOUNDATION FOR INTELLIBING FOUNDATION FOR INTELLIBING SOUNTY, THE

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