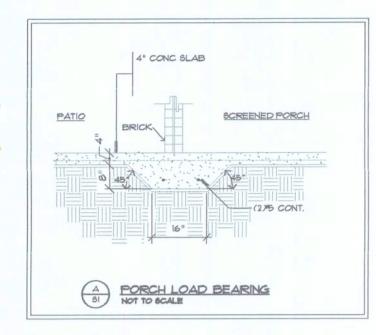


Shoe plates should never overhang the foundation/slab edge at the building imeter. However, many times when the foundation is not properly placed incorrect dimension(s), out of square, etc. - the vertical construction is positioned in a manner that results in a shoe plate overhanging the slab edge in an effort to keep the framing square. This results in numerous structural inadequacies that must be addressed in order to maintain the structural integrity

Since this condition should be easily recognizable at the time layout lines are popped on the slab, corrective action should be taken immediately rather than waiting until later when the repair is substantially more costly and time consuming. Corrective action at this stage is very simple: Increase the nominal size of the wall framing by two inches for walls overhanging the slab edge up to one-and-three-quarter (13/4) inches. Example: If a 2x4 wall is indicated, use 2x6 framing. The shoe plate material should either be treated for exposure or protected accordingly. Connectors - WOOD\*Tie rods, sill plate anchors, etc. should be sized and spaced according to the original design intent shown on the engineering and all minimum specified edge distances for the concrete shall be maintained. If conditions exist where the shoe plate will overhang the slab edge more than 134", contact the Engineer of Record before proceeding.

If corrective action is not taken at this time, it is likely the wall(s) will require re-framing or substantial enhancements (more extensive than simply increasing the framing size by two inches) at a later date. If corrective action is delayed until after rough trades have been completed, it is likely those elements - wiring, plumbing, mechanical and security - will have to be removed from the wall while the repairs are made and replaced later. Additionally, if corrective action is delayed further until insulation, drywall, trim, etc. are installed, these elements will have to be removed and later replaced to properly effect the repair.

In conclusion, if a shoe plate is going to overhang a slab edge 154° or less, immediately increase the wall size accordingly so that no additional or substantial repairs are required later. If a shoe plate is going to overhang a slab edge more than 13/4", contact the Engineer of Record before proceeding.



PLAN NOTES -

STRUCTURAL ELEMENT.

ANALYSIS REQUIRED

1) SEE SHEETS STI & ST2 FOR ADDITIONAL NOTES & DETAILS.
2) THESE DRAWINGS CONTAIN SPECIFIC INFORMATION INCLUDING, BUT NOT LIMITED TO, ARCHITECTURAL ELEMENTS, DIMENSIONS AND LOCATIONS PROVIDED BY OTHERS. BUILDERS FIRSTSOURCE IS NOT

RESPONSIBLE FOR THE ACCURACY OF INFORMATION PROVIDED BY

OR DERIVED FROM OTHER SOURCES.

3) ANY DISCREPANCY - DIMENSIONS, ORIENTATION, ETC. - BETWEEN

CORRECTED.

4) VERIFY BUILDING ORIENTATION WITH ARCHITECTURAL DRAWINGS AND SITE PLANS BEFORE COMMENCING CONSTRUCTION.

SIZE/GRADE/SPECIES/QUANTITY/STRENGTH/ETC.) SHOWN ON THESE SIGNED & SEALED ENGINEERING DOCUMENTS SHALL SUPERSEDE ALL

INFORMATION OF A SIMILAR NATURE SHOWN ON THE ASSOCIATED

OUTPUT HAVE BEEN ACCOUNTED FOR IN THE DESIGN AND, WHEN

APPROPRIATE, BEARING-ENHANCERS ADDED SO AS NOT TO EXCEED THE MAXIMUM ALLOWABLE BEARING CAPACITY OF ANY

1) ANY STRUCTURAL ELEMENT SPECIFIED WITHIN THESE DRAWINGS MAY BE REPLACED WITH A LARGER, STRONGER AND/OR HIGHER-QUALITY ELEMENT/PART/MATERIAL WITHOUT ADDITIONAL

8) DO NOT SCALE THESE DRAWINGS. DO NOT ASSUME WALLS ARE

ENGINEERING IS BASED SCALES AS 2x4. REFER TO STUD SCHEDULE FOR MINIMUM STUD SIZE/SPECIES/SPACING FOR APPLICATION. STUD

THOSE SHOWN ON STUD SCHEDULE. WHEN A COLUMN IS SPECIFIED AS LARGER THAN ADJACENT WALL FRAMING (ex. 3ply 2x6 POST IN A 2x4 WALL), THE ADJACENT FRAMING MAY BE EITHER FURRED-OUT TO MATCH THE COLUMN OR THE ENTIRE WALL MAY BE FRAMED WITH THE LARGER MATERIAL, AT CONTRACTOR'S DISCRETION.

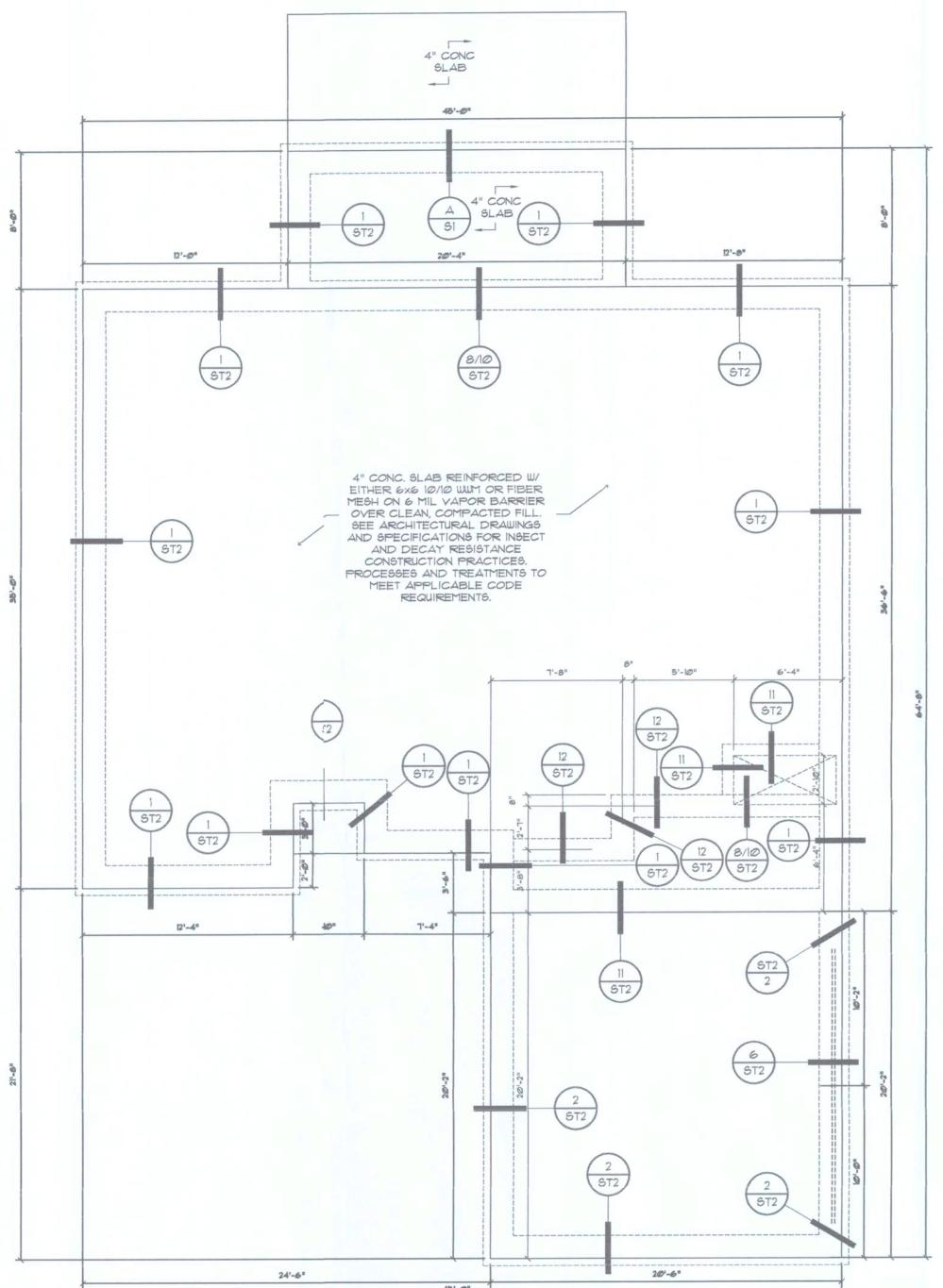
2×4 BECAUSE THE ARCHITECTURAL DRAWINGS UPON WHICH THIS

THESE DRAWINGS AND THE ASSOCIATED ARCHITECTURAL and/or SITE DRAWINGS SHALL BE REPORTED TO BUILDERS FIRSTSOURCE

AT ONCE AND NO CONSTRUCTION SHALL PROCEED UNTIL

5) ALL INFORMATION OF A STRUCTURAL NATURE (I.S. BEAM/JOIST/COLUMN/HEADER/STUD/CONNECTOR/FOOTING/ETC

ARCHITECTURAL DRAWINGS.
6) MINIMUM REQUIRED BEARING LENGTHS SHOWN ON TJ-BEAM





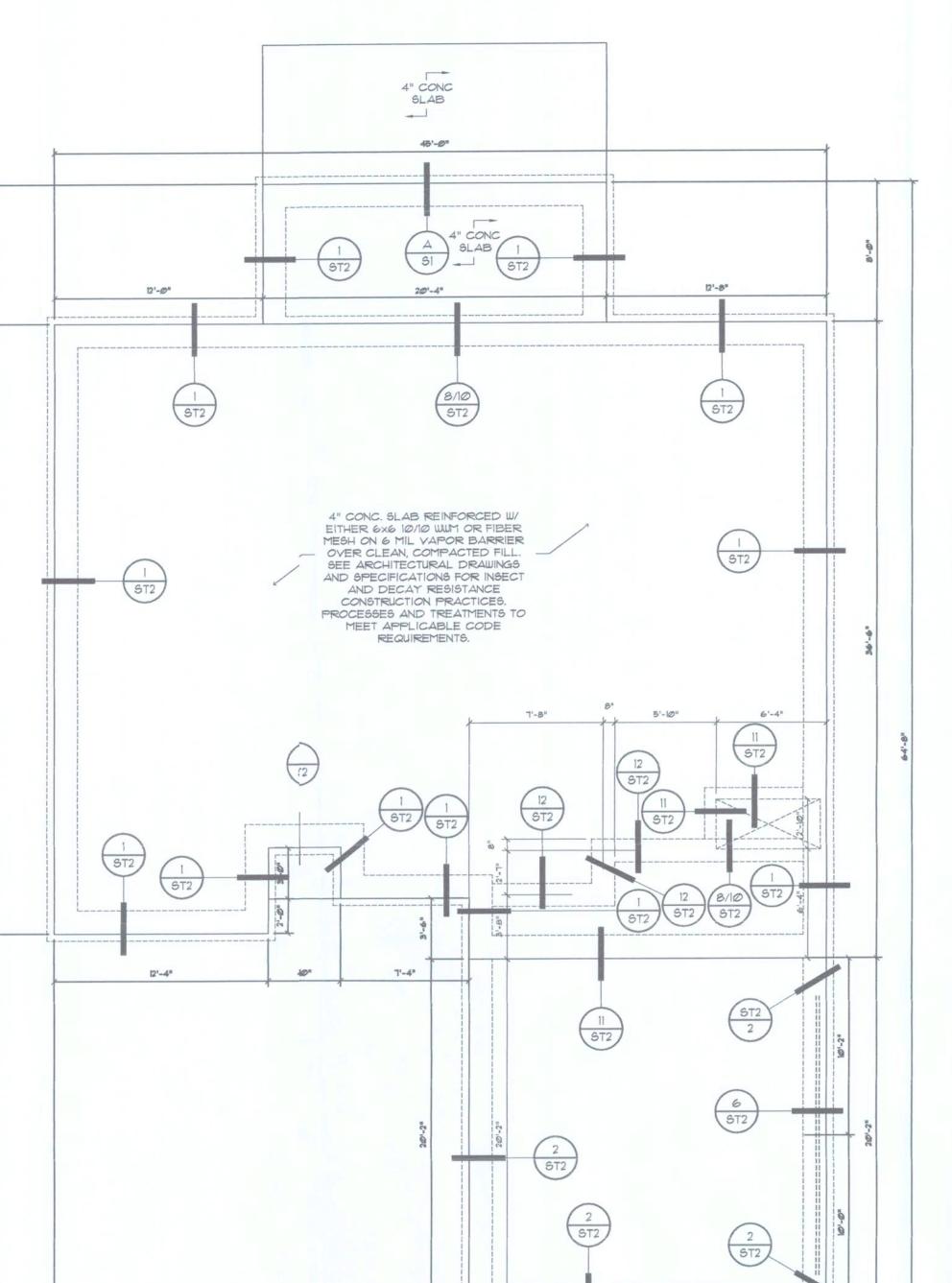
SHADED/HATCHED AS

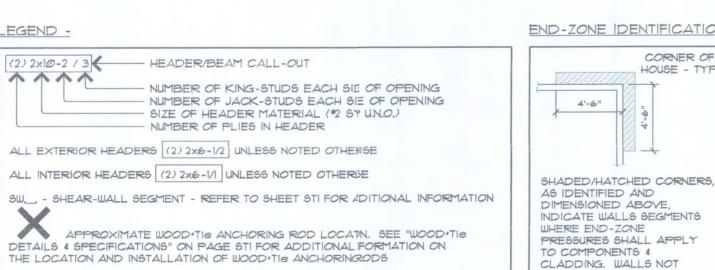
FOR COMPONENTS &

CLADDING.

INDICATED ABOVE MAY USE

INTERIOR-ZONE PRESSURES





INDICATES THE SPECIFIED HEADER OR BEAM IS RAISED AEVE THE P. LINE INDICATES DIRECTIONAL ORIENTATION OF SPECIFD FRAMING MEMBER DESIGN LOADS -

"ROD" IN PLACE OF A QUANTITY OF KING-STUDS IN A HEADE OR BEAM CALL-OUT

ROOF LOADING (8125 LDF TOP CHORD or RAFTER LL: 20psf DL: 7psf w/FG SHINGLES, 20psf : W/ TILE BOT. CHORD or CLN'G JOIST

LEGEND -

USE (MIN.) 19/32" THICKSHTN'G W/ TILE ROOF FLOOR LOADG (@1.00 LDF) LL: 40/psfDL: 15/psf

- WIND LOADIN (@160 LDF)
110 MPH WID SPEED - SEISMIC DSG: ATEGORY (@160 LDF) LL: 10p6f\*\* DL: 5/p6f "A"

\* 20 p6f DL FOR TILES < 16p6f, PER FBC "APPENDIX A." TILES > 16p6f REQUE ADDITIONAL ANALYSIS

\*\* 20 p6f LL FOR CEILING JOIST WHEN USED FOR LIGHT ATTIC STORAGE

	ERIOR WALLS	NOT		NNECTOR DESIGNA	ATED SHEAF	O/G/C SPACING C	ERIOR 4 EX	TERIOR
	MAXIMUM O/C SPACING OF ANCHORS - IN INCHES				EXTERIOR IZ WALLS		INTERIOR WALLS	
E HEIGHT	% TITEN HD	%"¢ TITEN HD	1	SHEAR-WALL DESIGNATION	15 TITEN HD	1 % o TITEN HD (MI/MIN. 2x6 FRM'G)	K'Ø TITEN HD	% "Ø TITEN HD
(NOMINAL)	72 11 11 11 11 11	(MIN 2x6 FRM'G)		SW	36"	48"	42"	60°
8 ft	60"	12"		SW2	27°	38"	32"	45"
9 ft	60"	72"	NOTES:	SWI	18"	27"	22"	32"
10 ft	60"	72"	1) USE SIM	1PSON 5"# OR 34"#	X 6" LONG TITE	N H		
11 ft	48"	72"	1) USE SIMPSON ½" # OR ¾" # X 6" LONG TITEN HE HD SCREWS, UN.O.  2) ½" # TITEN HD'S SHALL BE EMBEDDED MIN. 3-3-½" AND ¾" # TITEN HD'S SHALL BE EMBEDDED MIN. 4-½" INTO MIN. 2, # DOD \$1 HE AR-WALL  AND 13-3 AT HIGH R HEIGHT DESIGNATED SHEAR-WALL  AND HOR SPACING SCHEDULE. IE INDICATED &P PACING IS TIGHTER/CLOSER THAN IN "DESIGNATED SHEAR-WALL" SCHEDULE.  4) ¾" # TITEN HD'S USED IN EXTERIOR WALL API, PPLICATIONS MAY ONLY BE USED IN WALLS  B) ALL TITEN HD'S SHALL BE INSTALLED IN THE # OF THE SHOE RE AND MAINTAIN MIN.  CONCRETE EDGE DISTANCES OF 2" FOR ½" 6'S. ALL IN 2 NE FOR ½" 15 ALL IN 15 NE FOR ½" 15 ALL IN 15 NE FOR ½" 15 ALL IN 20 NE					
12 ft	48"	72"						
14 ft	36"	66"						
16 ft	36"	58"						
18 Ft	34"	52"						
20 ft	30"	46"						
22 ft	27"	42"	6) TITEN	HD's USED FOR EX	TERIOR WALL A	PPL AND 3-1/2 FOR 9	BE USED ONLY	WITH

HIP REDGE TO TRUES

1) AT EXTERIOR WALL APPLICATIONS WITH STEM-WALL FOUNDATIONS, USE EPOXIED ALL-THREAD A ANCHORS AS FOLLOWS:

18) IN LIEU OF 1/8 TITEN HD'S, USE 1/8 X 4-1/8 EMBEDMENT ALL-THREAD RODS W/MIN. 2" CONC. EDGE DISTANCE AND SPACE AT HALE THE INDICATED REGION PROVIDED THAT DOUBLE STUDS THE SIZE-SPECIES. Ta) IN LIEU OF 5/8 TITEN HD'S, USE 3/9 A 47 B BABLOMENT ALL-THREAD RODS W/MIN. 3" CONC<sub>NC</sub>, EDGE DISTANCE AND MATCH SPACING
TO IN LIEU OF 5/8 TITEN HD'S, USE 5/16/16 TITEN HD'S, USE 5/16/16 THE SIZE/SPECIES/
GRADE/SPACING ARE USED.

TO ADD NUT AND WASHER ATOP SHOE RE AT EACH ALL-THREAD,
TO ADD NUT AND WASHER ATOP SHOE RE AT EACH ALL-THREAD,
TO ADD NUT AND WASHER ATOP SHOE RE MANUFACTURER'S INSTRUCTIONS.

8) SILL PLATES SHALL BE ANCHORED WITHIN 12" OF EACH END OF EACH SEGMENT OR PIECE AND DALL SEGMENTS OR PIECES SHALL HAVE NO FEWER THAN TIMBERSTRAND LIE LISL STUDS ILLO,
SYP. HEIGHTS 24" MAY USE LITE.

10 ANCHORS.

COMPONENTS & CLADDING PRESSURES - IN "PSF" ROOFS - PITCHCHES 7/12 ( 12/12 GARAGE DOORS PARTIALLY IN END-ZONE Square Fest POS. (+) NEG. (-) POS. (+) NEG. (-) POS. (+) NEG. (-) POS. (+) NEG. (-) NEG. (-) NEG. (-) POS. (+) +19.9 -25.5 +19.9 -21.8 | LENGTH (IN FEET) OF DOOR INTO END-ZONE | PO6. (+) | 1' 2' 3' 4' 5' | POF +19.4 -24.3 +19.4 -20.7 p.7 -36.9 -36.9 +18.6 -22.9 +18.6 -19.7 2 -34.3 -24.8 8' x 7' 4 LGR DOORS -218 -222 -22.6 -23.0 -23.4 +19.5

SEE SUB FASCIA -DETAIL B/SI. SEE SUB FASCIA DETAIL B/SI. STOP SW & END-OF 8'-0" PLATE HT. 12) MTS(2's # TRUSS TIS-TO-HOR (2) H8's OR (2) MTS12's & TRUSS -TOI-TO-TOP E W/ (1) WOOD TIE ROD & 2014 2 SPF 2x4 POST 2ply #2 SPF 2x4-(1) MTS12 @ HDR-TO-2014 \*2 2x4 SPF PONT POST & (1) MTS12 @ PONT POST-TO-TOP PEW/ (1) W.T.R. NOTE: THE TOP PLATE MAY BE NOTCHED IF 2014 14" LVL IS USED FOR GARAGE HOR AND A 8' HIGH CLEARANCE IS REQUIRED FOR THE GARAGE DOOR PROVIDED (2) MTSA24 HORZ FLAT STRAPS ARE USED TO CONNECT THE TOP PLATES ON EACH END TO THE GARAGE BRICK VENEER STEEL ANGLE LINTEL TABLE

CLIP, TIE FASTENERS
OF STRAP OF NAILS 4) 8d PER END (5) lØd x 1-1/2" PER END (14) 10d or 10d x 1-1/2" TOTAL (20) 10d or (24) 10d x 1-1/2" TOTAL 16) 16d SINKERS TO TRUSS (14) 16d SINKERS TO E 4 POST HI6, -169, -16-2 (2) lod x 1-1/2" TO TRUSS, (10) TO 12/POST (10) lod TOTAL (14) 10d TOTAL (18) 10d TOTAL (42) 16d TOTAL 46) 16d TOTAL (56) 16d TOTAL (30) 8d or (26) 10d TOTAL (12) 10d x 1-1/2" HPAHD22 (23) l6d (12) 8d x 1-1/2" TOTAL 12) 8d x 1-1/2" TOTAL (12) 1Ød x 1-1/2" (12) 10d x 1-1/2 LGT2-MASONRY (16) 16d SINKERS TO TRUSS (1) 1/4" \$\times 2-1/4" TITEN SCREWS TO WALL
(1) 10d or 10d \times 1-1/2" TO TRUSS, (4) V4" + x 2-V4" TITEN SCREWS TO WALL

(2) lØd x 1-V2" TO TRUSS, (6) I/4" \$\times x 2-I/4" TITEN SCREWS TO WALL

(18) 1/4" \$\delta \times 3" 6D6 TO TRU69, (2) 1/2" \$\delta \times 5" TITEN HD's TO WALL (8) 100d TO FRAMING,

HI6, -165, -16-2

2. MN 6" BRG. FOR LINTEL ANGLE.

3. FOR MORE THAN 8' OF BRICK VENEER

MAX HGT OF 4" BRICK VENEER ABV OPNGS

5"x3-½"x¼" 5"x3-½"x¾" 6"x3-½"x%"

91-011 3-15"x3-15"x1," 4"x3-15"x5" 4"x4"x1," 5"x3-15"x5" OR OR

6"x4"x%" 6"x4"x%" 8"x4"x%" 8"x4"x%" 8"x4"x%"

EXTERIOR WALL STUD

110mph, EXPOSURE B, FLEXIBLE FINISH, ENCLOSED

STUD SIZE, SPECIES MAXIMUM & HEIGHT 4 O/C SPACING.
ALL GRADE ? END' INTERIOR
EXCEPT AS NOTED. ZONE ZONE

2x4 8FF 16"0/C 11"-1" 11"-10"

2x6 SYP 12"0/c 19'-8" 21'-1'

2x8 SYP 16"o/c 23'-T" 25'-3" 2x8 SYP 12"o/c 25'-16" 21'-9"

2x10 8YP 16"0/c 29"-11" 32"-1"

2x10 SYP 12"0/c 32'-11" 35'-3"

SPECIFIC STUD SIZE/GRADE/SPECIES/ SPACING INDICATED ON STRUCTURAL PLAN(S) SUPERSEDE INFORMATION IN

SCHEDULE
ALL STUDS SHALL SPAN
CONTINUOUSLY FROM FLOOR TO

CONTINUOUSLY FROM FLOOR TO FLOOR OR FLOOR TO ROOF/CLING ASSEMBLY WITHOUT BREAK OR INTERUPTION UNLESS SPECIFICALL DETAILED ON STRUCTURAL PLAN.

2x6 8FF 16"0/c

2x6 SFF 12"0/c

2x6 5YP 16"0/c

2x (22) 10d 2x (18) 16d (8) 10d or 10d x 1-1/2" TO TRUSS, (4) 1/4" + x 2-1/4" TITEN SCREUS TO WALL

(8) IOO TO FRAMING,
(4) 1/4" > x 2-1/4" TITEN TO MASONRY

1) MINIMUM 1-1/2" EDGE DISTANCE FOR TITEN SCREUG
(2) MINIMUM 4" EDGE DISTANCE FOR TITEN HD's

FRAMING CONNECTOR SCHEDULE FRAMING-TO-FOUNDATION / MASONRY CONNECTOR SCHEDULE EXT/STEM-WALL FOUNDATIONS CMU WALL TIE-BEAM / LINTEL NAILS / SCREWS TO HARDWARE/ (SAE IDIS)
RAMING MEMBERS CONNECTOR ATR SIZE MIN EMBED MIN EMBED MIN EDGE DIST MIN EMBED MIN / MAX EDGE MIN EMBED EDGE DIST 1/2"4 (EA) 4-1/4" w/ MIN 2-1/2" SPC'G 5-1/2" LTT2ØB 1-3/4" / 6" SINGLE MGT 5/8"4 DOUBLE MGT (2) 5/8"¢ 5-1/2" SINGLE HTTIG 5/8"4 DOUBLE HTTI6 (2) 5/8"4 5-1/2 3-1/2" / 4" TANDEM HTT16 (1) 5/8"\$ 5-1/2" SINGLE HTT22 5/8"4 (32) 16d Sinkers 1-3/4" / 6" 2x (32) 16d Sinkers DOUBLE HTT22 (2) 5/8"4 5-1/2" (18) 1/4" + x 3" 5D5 SINGLE PHD6 7/8" + 2x (18) 1/4° + x 3° 5D5 | DOUBLE PHD6 | (2) 7/8° + 3-1/2" / 4" (20) ¼"+ x 3" 8D8 SINGLE HDQ8 7/8"+ 2x (20) ¼"+ x 3" 8D8 DOUBLE HDQ8 (2) 7/8"+ 13-1/2" SEE PLAN (24) 1/4" + x 21/2" 8D9 | SINGLE HHDQII | 1" + SEE PLAN SEE PLAN SEE PLAN "FRAMING" and "FRAMING-TO-FOUNDATION" CONNECTOR SCHEDULE NOTES: BUILDING DESIGN CRITERIA 1) USE SIMPSON AT ACRYLIC TIE TUO-PART EPOXY FOR ATR-TO-FOUND. CONNECTIONS UN.O.
2) ALL DIMENSIONS (ROD DIAMETER, EMBEDMENT, EDGE, ETC.) ARE MINIMUM DISTANCES UN.O.
3) "DOUBLE" HOLD-DOUNS REQUIRE MINIMUM 3" SPACING BETUEEN ATR ANCHORS UN.O.
4) EDGE DISTANCE DIMENSIONS TO BE MEASURED FROM THE EXTERIOR FACE OF THE
FOUNDATION, CURB OR CMU WALL TO THE & OF THE ATR ANCHOR
5) MIN. EDGE DISTANCE DOES NOT APPLY AT INTERIOR CURB LOCATIONS ONLY IF THE MIN.
EMBEDMENT 16 MEASURED FROM THE LOWER SLAB ELEVATION
6) ALL PARTS / MATERIALS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S
INSTRUCTIONS & DIRECTIONS
1) ALL NAILS SPECIFIED ARE "COMMON" SIZES UN.O.
8) MINIMUM ROD SIZEGRADE, EMBEDMENT & EDGE DISTANCE SHOWN ON PLAN SUPERSEDES
MINIMUM SHOWN ON THIS CHART
9) MINIMUM FOGE DISTANCES OF 4" OR MORE REQUIRE MINIMUM 6" WALL FRAMING
10) MINIMUM SHALLS BETWEEN META- OF HETA- ANCHORS UN.O.
11) MINIMUM 1-1/2" EDGE DISTANCE FOR TITEN SCREUS

04 FBC-R ENCLOSED BUILDING TYPE: 110mph (3 sec. gust) BASIC WIND SPEED: BUILDING CATEGORY: 1.00 WIND IMP. FACTOR: IND EXPOSURE: T. PRESSURE COEF .: +0.18 / -0.18 EXTERIOR WALL FINISH: FLEXIBLE

THIS BUILDING MAY BE USED IN A WIND-BORNE DEBRIS REGION ONLY IF GLAZED OPENINGS ARE PROTECTED OF IMPACT-RESISTANT BUILDING

6550 Roosevelt Blvd. Jacksonville, FL 32244 Tel 904.772-6100 Fax 904.317-2835

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PEV DESCRIPTION

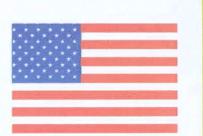
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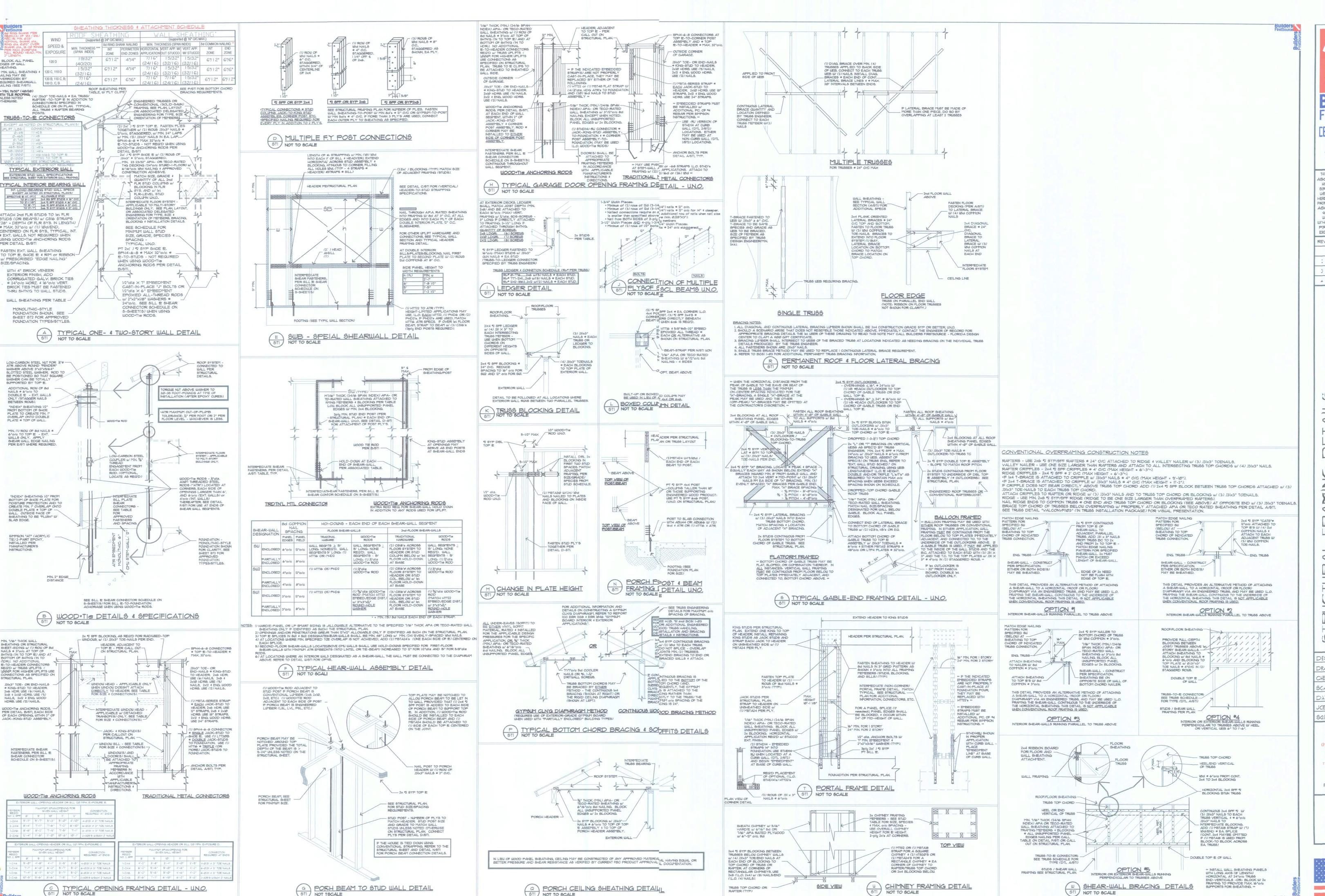
DESIGN MEB DRAFT MEB CHECKED EAH SCALE 3/16 DATE 1-7-2007

JOB NO. L249154 SQ.FT. 2233 Project Engineer: Charles M. Rhodebeck, PE

Professional Engineer FL License No. 26497 his drawing not valid without raised seal AND signed in RED ink. Builders FirstSource of Jacksonville FL CoA Number 00008494 GA PEF Number 004586







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9/5 T/STI DTL RW 4 10/10 B, W/ RW

2/16 B, F, H, P, Q/ RW 17/30 WhdSpds, "X" RL

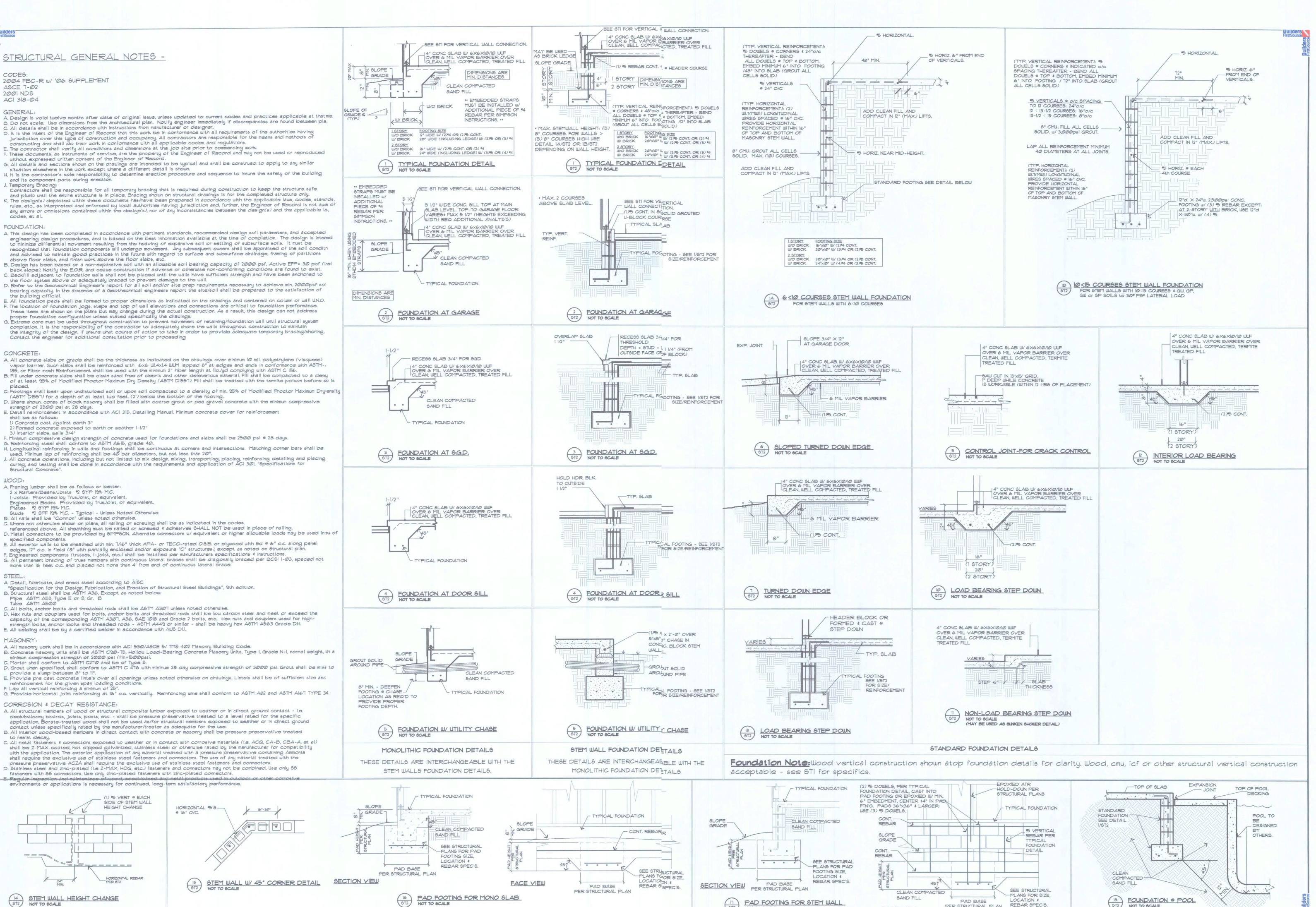
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DESIGN RW/MDA/MR DRAFT MDA CHECKED CMR SCALE NTS 7/30/07 JCB NO. STANDARI SOFT. DETAILS Project Engineer:

charles M. Rhodebeck, Pl Professional Engineer FL License No. 26497 This drawing not valid without raised seal AND signed in RED ink. Builders FirstSource of Jacksonville FL CoA Number 00008494

GA PEF Number 004586 SHEET 





SAND FILL

FACE VIEW

PAD FOOTING FOR STEM WALL

LOCATION \$

REBAR SPEC'S.

PAD BASE

PER STRUCTURAL PLAN

FOUNDATION @ POOL

STEM WALL HEIGHT CHANGE

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Jacksonville, FL 32244 Tel 904.772-6100 Fax 904.317-2835

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DESCRIPTION 1/09 CMR, et al RW 1/16 D'CAY, CORR RW

2/6 2/ST2 STHD14 RW 4 2/14 GEN. NOTES RW

Q F

71 **Z 0** NI NO  $\supset M$ **⊢** Ⅱ

(1) (V DESIGN RW/MDA/MR JLBMDA HECKED CMR SCALE NTS DATE 7/30/07 JCB NO. STANDARD SGFT. DETAILS

Charles M. Rhodebeck, P. Professional Engineer FL License No. 26497 This drawing not valid without raise seal AND signed in RED ink. Builders FirstSource

Project Engineer:

of Jacksonville FL CoA Number 00008494 GA PEF Number 004586 SHEET

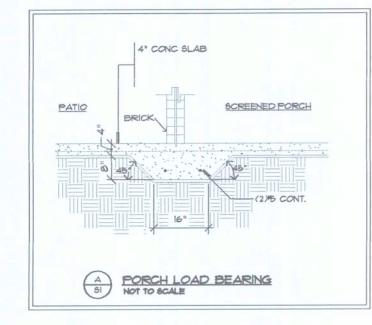


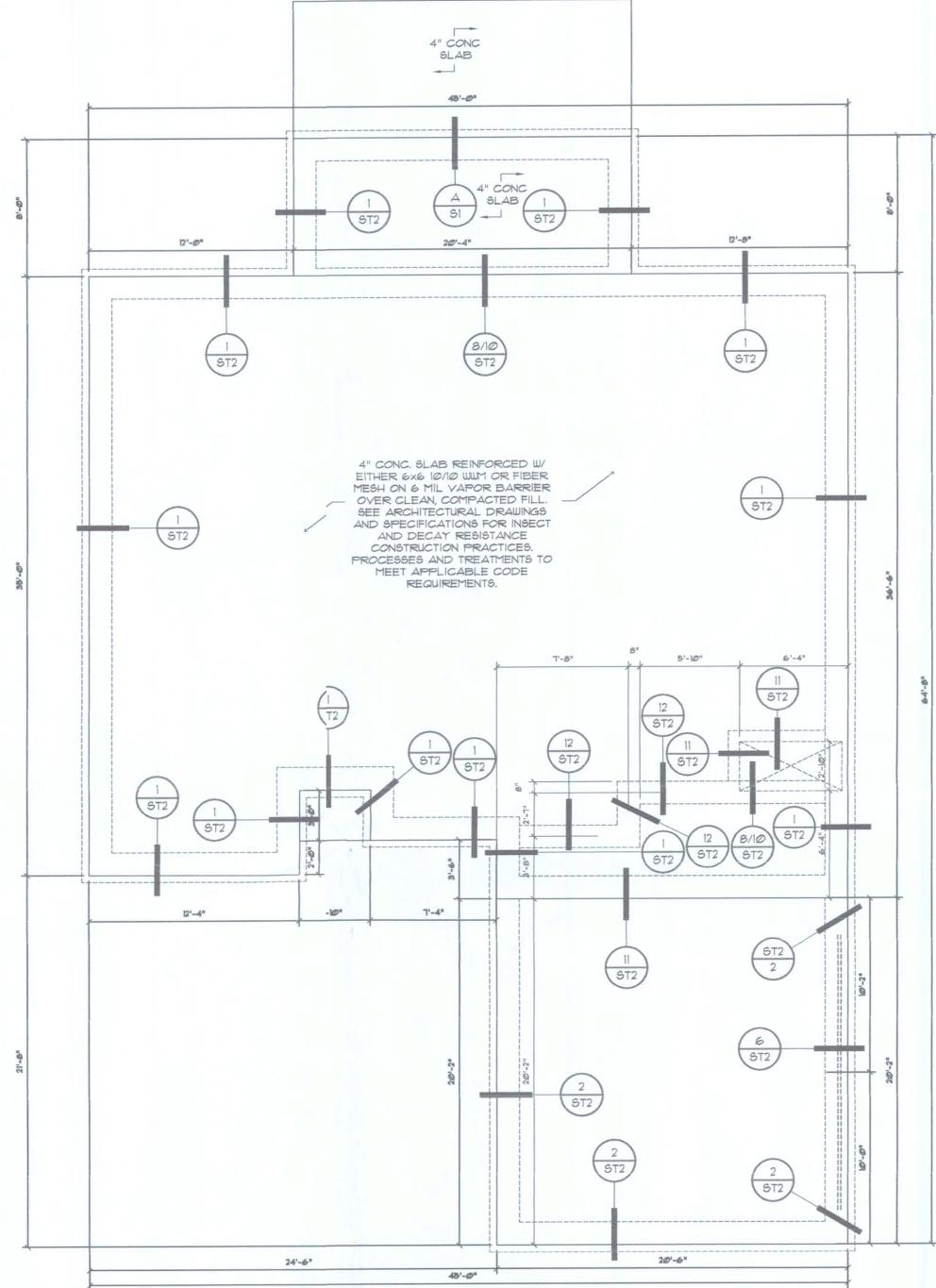
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Since this condition should be easily recognizable at the time layout lines are popped on the slab, corrective action should be taken immediately rather than waiting until later when the repair is substantially more costly and time consuming. Corrective action at this stage is very simple: Increase the nominal size of the wall framing by two inches for walls overhanging the slab edge up to one-and-three-quarter (134) inches. Example: If a 2x4 wall is indicated, use 2x6 framing. The shoe plate material should either be treated for exposure or protected accordingly. Connectors - WOOD\*Tie rods, sill plate anchors, etc. should be sized and spaced according to the original design intent shown on the engineering and all minimum specified edge distances for the concrete shall be maintained. If conditions exist where the shoe plate will overhang the slab edge more than 134", contact the Engineer of Record before proceeding.

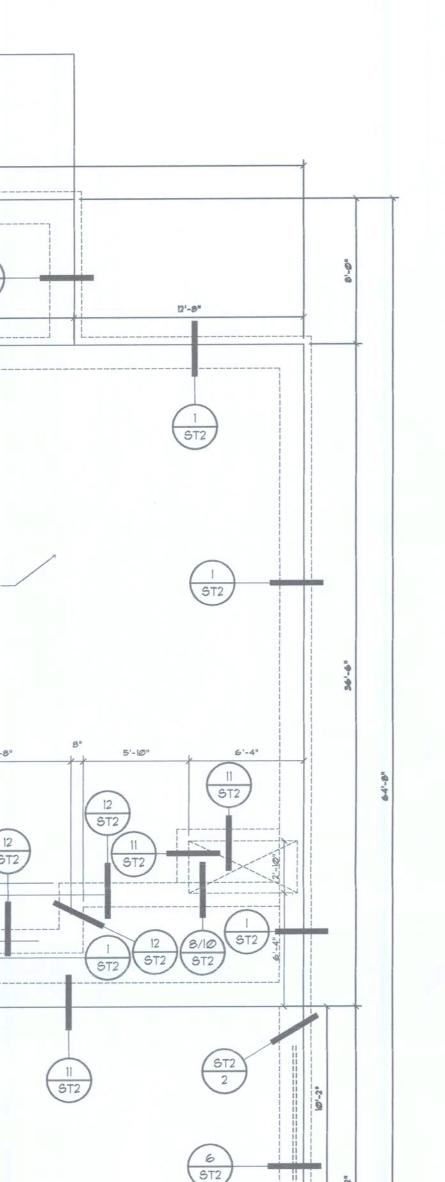
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In conclusion, if a shoe plate is going to overhang a slab edge 134" or less, immediately increase the wall size accordingly so that no additional or substantial repairs are required later. If a shoe plate is going to overhang a slab edge more than 13/4", contact the Engineer of Record before proceeding.









EXTERIOR WALL STUD 110mph, EXPOSURE B, FLEXIBLE FINISH, ENCLOSED STUD SIZE, SPECIES MAXIMUM & HEIGHT 4 o/c \$PACING. ALL GRADE 12 END' INTERIOR EXCEPT AS NOTED. ZONE ZONE 2x4 SPF 16"0/c | ||'-|" ||'-|@" END-ZONE IDENTIFICATION - SILL 12-TO-FOUNDATION SHEAR CONNECTOR SCHEDULE FOR WOOD TIE APPLICATIONS DESIGNATED SHEAR-L-WALLS - INTERIOR & EXTERIOR MAXIMUM O, O/C SPACING OF ANCHORS - IN INCHES 2x6 8YP 16"0/c EXTERIOR IR WALLS INTERIOR WALLS

DESIGNATED AS SHEAR-WALL MAXIMUM O/C SPACING OF ANCHORS - IN INCHES SHEAR-WALL 15 TITEN HD 15 % STITEN HD 1/2 TITEN HD (MIN. 2x6 FRMG) 1/2 TITEN HD % " # TITEN HD 36" (MIN 2x6 FRMG) 5" ITEN HD 9" 9 TITEN HD 36" 40" 42" 60" 21" 38" 32" 45" NOTES: 6UII 18" 2T" 22" 32"

1) USE SIMPSON ½" & OR ¾" & X 6" LONG TITEN 1, HD SCREUS, UN.O.
2) ½" & TITEN HD'S SHALL BE EMBEDDED MIN. 3, 3-¾" AND ¾" & TITEN HD'S SHALL BE EMBEDDED MIN. 3, 3-¾" AND ¾" & TITEN HD'S SHALL BE EMBEDDED MIN. 4.½" INTO MIN. 2-½" BOOKETE.

3) AT HIGH IE HEIGHT DESIGNATED SHEAR-WAI, JALLS (1.6. 14' & ABOVE) USE "NON-DESIGNATED" ANCHOR SPACING SCHEDULE IF INDICATED SFSPACING IS TIGHTER/CLOSER THAN IN "DESIGNATED SHEAR-WALL" SCHEDULE.

4) ¾" & TITEN HD'S USED IN EXTERIOR WALL AF APPLICATIONS MAY ONLY BE USED IN WALLS CONSTRUCTED OF 2x6 OR LARGER FRAMING.

5) ALL TITEN HD'S SHALL BE INSTALLED IN THE & OF THE SHOE IE AND MAINTAIN MIN. CONCRETE EDGE DISTANCES OF 2" FOR ½" 8' AND 3-½" FOR ¾" 8'.6.

6) TITEN HD'S USED OR EXTERIOR WALL APS AND 3-½" FOR ¾" 8'.6.

6) TITEN HD'S USED OR EXTERIOR WALL APS AND 3-½" FOR ¾" 8'.6.

6) TITEN HD'S USED OR EXTERIOR WALL APS AND 3-½" FOR ¾" 8'.6. 12 ft 14 ft 16 ft

NON-STRUCTURAL FASCIA

HIP BEDGG, WAT'S LACK.

(6) ISIG® # EA END OF FASCIA -TO- SUPPORTING TAILS/SLOCKING

SEE SUB FASCIA -DETAIL B/SI.

(2)2×10-1/3

X X X

2ply #2 SPF 2x4

4, LINTEL ANGLES MUST BE BRACED
AGAINST LATERAL-TORSIONAL

(1) MTS12 @ HDR-TO-2014 2 2x4 SPF PONY POST & (1) MTSI2 @ PONY POST-TO-TOP PLW/ (1) W.T.R.

(2) MTS12's # TRUSS TIB-TO-HDR

SUPPORTING TRUSS ELTA.

1) AT EXTERIOR WALL APPLICATIONS WITH STEM-WALL FOUNDATIONS, USE EPOXIED ALL-THREAD P ANCHORS AS FOLLOWS:

Ta) IN LIEU OF 1/18 TITEN HD'S, USE 1/19 X 4-1/3 EMBEDMENT ALL-THREAD RODS W/MIN. 2" CON'NC. EDGE DISTANCE AND SPACE AT HALF THE INDICATED SPACING FOR 1/18 TITEN HD'S.

Tb) IN LIEU OF 1/18 TITEN HD'S, USE 1/19 X 5" EMBEDMENT ALL-THREAD RODS W/MIN. 3" CON'NC. EDGE DISTANCE AND MATCH SPACING

WILL SPACING SCHOOL THE SIZE/SPECIES/
GRADE/SPACING ARE USED. TO IN LIEU OF 76° 9 THEN HO'S, WE TO BE A TO B

COMPONENTS & CLADDING PRESSURES - IN "PSF" ROOFS - PITCTCHES 1/12 < 12/12 ROOFS - PITCHES 3/12 (7/12 CRN'R 4 E-ZONES INT.-ZONES OH C-ZONES OH E-ZONES CRN'R 4 E-ZONES INT.-ZONES OH C-ZONES OH E-ZONES

2x6 SPF 12"0/c 18'-10" 20'-2" 2x6 SYP 12"0/C 2x8 9YP 16"0/c 2x8 SYP 12"0/c 25'-10" 27'-9" 2xi0 SYP 16"0/C 29'-11" 32'-1" 2xl@ STP 12"o/c 32'-11" 35'-3" SPECIFIC STUD SIZE/GRADE/SPECIES/ SPACING INDICATED ON STRUCTURAL PLAN(S) SUPERSEDE INFORMATION IN ALL STUDS SHALL SPAN CONTINUOUSLY FROM FLOOR TO FLOOR OR FLOOR TO ROOF/CLING ASSEMBLY WITHOUT BREAK OR INTERIPTION UNLESS SPECIFICALLY DETAILED ON STRUCTURAL PLAN.

BRICK VENEER STEEL ANGLE LINTEL TABLE

91-011 3-15"x3-15"x16" 4"x3-15"x15" 4"x4"x35;" 5"x3-15"x15" OR OR OR

HI6, -165, -16-2 (14) 10d TOTAL (18) IØd TOTAL (42) l6d TOTAL (46) 16d TOTAL (56) l6d TOTAL INTERIOR ZONE SCHEDULE FOR (30) 8d or (26) 10d TOTAL (12) lød x 1-1/2" (12) 8d x 1-1/2" TOTAL 2) 8d x 1-1/2" TOTAL (12) 10d x 1-1/2" HETA20 (12) lød x 1-1/21 LGT2-MASONRY MTSM16 HTSMI6

LTT20B (10) 16d / EACH SINGLE MGT DOUBLE MGT (2) 5/8"0 5-1/2" SINGLE HTT16 | 5/8" \$ 5-1/2" DOUBLE HTTI6 (2) 5/8" > 5-1/2" 2x (18) 16d TANDEM HTTIG (1) 5/8"0 5-1/2" SINGLE HTT22 5/8"4 5-1/2" (32) 16d Sinkers

x (32) 16d Sinkers DOUBLE HTT22 (2) 5/8"4 5-1/2" (18) ¼"+ x 3" 5D5 SINGLE PHD6 7/8"+ 2x (18) 1/4" + x 3" SDS | DOUBLE PHD6 | (2) 1/8" + (20) 1/4" + x 3" 6D6 SINGLE HDQ6 7/8" + 2x (20) 1/4" + x 3" 5D6 DOUBLE HDQ8 (2) 7/8" + 13-1/2" (24) 1/4" + x 21/2" 8D8 SINGLE HHDQII 1" 2x (24) ½" + x 2½" 9D6 DOUBLE HHDQ11 (2) 1"+ HGT2, HGT3 (2) 3/4\*♦

"FRAMING" and "FRAMING-TO-FOUNDATION" CONNECTOR SCHEDULE NOTES:

1/2" (EA) 4-1/4" W/ MIN 2-1/2" SPCG

ASTM 307 INT LOCATIONS EXTMONO FOUNDATIONS

BUILDING DESIGN CRITERIA '04 FBC-R ENCLOSED BUILDING TYPE: BASIC WIND SPEED: BUILDING CATEGORY:

NOTE: THE TOP PLATE MAY BE NOTCHED IF 2ply 14" LVL 18

USED FOR GARAGE HOR AND A 8' HIGH CLEARANCE IS REQUIRED FOR THE GARAGE DOOR PROVIDED (2) MTSA24 HORZ FLAT STRAPS ARE USED TO CONNECT THE TOP PLATES

ON EACH END TO THE GARAGE

EXT/STEM-WALL FOUNDATIONS CMU WALL TIE-BEAM / LINTEL

1-3/4" / 6"

1-3/4" / 6"

1-3/4" / 6"

3-1/2" / 4"

1-3/4" / 6"

3-1/2" / 4"

110mph (3 sec. qust) IND IMP. FACTOR: IND EXPOSURE: . PRESSURE COEF: +0.18 / -0.18 EXTERIOR WALL FINISH: FLEXIBLE

SEE PLAN

SEE PLAN

SEE PLAN

4" w/ 2-1/2" SPC'G 2" w/ 4" SPC'G

6550 Roosevelt Blvd. Jacksonville, FL 32244 Tel 904.772-6100 Fax 904.317-2835

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DESIGN MEB DRAFT MEB CHECKED EAH SCALE 3/16 DATE 1-7-2007

You

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JOB NO. L249154 Professional Engineer FL License No. 26497 This drawing not valid without raised seal AND signed in RED ink.

Builders FirstSource of Jacksonville FL CoA Number 00008494 GA PEF Number 004586 SHEET





PLAN NOTES -

1) SEE SHEETS STI & ST2 FOR ADDITIONAL NOTES & DETAILS.
2) THESE DRAWINGS CONTAIN SPECIFIC INFORMATION INCLUDING, BUT NOT LIMITED TO, ARCHITECTURAL ELEMENTS, DIMENSIONS AND LOCATIONS PROVIDED BY OTHERS. BUILDERS FIRSTSOURCE IS NOT RESPONSIBLE FOR THE ACCURACY OF INFORMATION PROVIDED BY OR DERIVED FROM OTHER SOURCES.

3) ANY DISCREPANCY - DIMENSIONS, ORIENTATION, ETC. - BETWEEN THESE DRAWINGS AND THE ASSOCIATED ARCHITECTURAL and/or SITE DRAWINGS SHALL BE REPORTED TO BUILDERS FIRSTSOURCE AT ONCE AND NO CONSTRUCTION SHALL PROCEED UNTIL

4) VERIFY BUILDING ORIENTATION WITH ARCHITECTURAL DRAWINGS AND SITE PLANS BEFORE COMMENCING CONSTRUCTION. 5) ALL INFORMATION OF A STRUCTURAL NATURE (I.E. BEAM/JOIST/COLUMN/HEADER/STUD/CONNECTOR/FOOTING/ETC. SIZE/GRADE/SPECIES/QUANTITY/STRENGTH/ETC.) SHOWN ON THESE SIGNED & SEALED ENGINEERING DOCUMENTS SHALL SUPERSEDE ALL INFORMATION OF A SIMILAR NATURE SHOWN ON THE ASSOCIATED ARCHITECTURAL DRAWINGS. 6) MINIMUM REQUIRED BEARING LENGTHS SHOWN ON TJ-BEAM OUTPUT HAVE BEEN ACCOUNTED FOR IN THE DESIGN AND, WHEN APPROPRIATE, BEARING-ENHANCERS ADDED SO AS NOT TO EXCEED THE MAXIMUM ALLOWABLE BEARING CAPACITY OF ANY STRUCTURAL ELEMENT. 1) ANY STRUCTURAL ELEMENT SPECIFIED WITHIN THESE DRAWINGS MAY BE REPLACED WITH A LARGER, STRONGER AND/OR HIGHER-QUALITY ELEMENT/PART/MATERIAL WITHOUT ADDITIONAL

ANALYSIS REQUIRED. 8) DO NOT SCALE THESE DRAWINGS. DO NOT ASSUME WALLS ARE 2×4 BECAUSE THE ARCHITECTURAL DRAWINGS UPON WHICH THIS INGINEERING IS BASED SCALES AS 2x4. REFER TO STUD SCHEDULE FOR MINIMUM STUD SIZE/SPECIES/SPACING FOR APPLICATION, STUD AND/OR COLUMN SIZES SHOWN ON STRUCTURAL PLAN SUPERSEDE THOSE SHOWN ON STUD SCHEDULE. WHEN A COLUMN IS SPECIFIED AS LARGER THAN ADJACENT WALL FRAMING (ex. 3ply 2x6 POST IN A 2x4 WALL), THE ADJACENT FRAMING MAY BE EITHER FURRED-OUT TO MATCH THE COLUMN OR THE ENTIRE WALL MAY BE FRAMED WITH THE LARGER MATERIAL, AT CONTRACTOR'S DISCRETION.

LEGEND -

HEADER/BEAM CALL-OUT  $\wedge \wedge \wedge \wedge$ NUMBER OF KING-STUDS EACH SIE OF OPENING NUMBER OF JACK-STUDS EACH SE OF OPENING

NUMBER OF PLIES IN HEADER ALL EXTERIOR HEADERS (2) 2x6-1/2 UNLESS NOTED OTHEWISE ALL INTERIOR HEADERS (2) 2x6-1/1 UNLESS NOTED OTHERSE

SW\_, - SHEAR-WALL SEGMENT - REFER TO SHEET STI FOR ODITIONAL INFORMATION APPROXIMATE WOOD TIE ANCHORING ROD LOCAON. SEE "WOOD TIE DETAILS & SPECIFICATIONS" ON PAGE STI FOR ADDITIONALNFORMATION ON THE LOCATION AND INSTALLATION OF WOOD TIE ANCHORINRODS

SIZE OF HEADER MATERIAL (\*2 50 UN.O.)

"RSD" IN PLACE OF A QUANTITY OF KING-STUDS IN A HEADR OR BEAM CALL-OUT INDICATES THE SPECIFIED HEADER OR BEAM IS RAISED ADVE THE IE LINE INDICATES DIRECTIONAL ORIENTATION OF SPECIFID FRAMING MEMBER

DESIGN LOADS -USE (MIN.) 19/32" THICKSHTN'G W/ TILE ROOF - ROOF LOADING (@125 LDF) - FLOOR LOANG (@1.00 LDF)

TOP CHORD OF RAFTER LL: 40/ps DL: 15/psf - WIND LOADIN (\*160 LDF) 110 MPH WD SPEED LL: 20psf DL: Tpsf w/FG SHINGLES, 2006F W/ TILE - SEISMIC DSCCATEGORY (@160 LDF) BOT, CHORD or CLN'G JOIST LL: 10psf++ DL: 5/psf "A" + 20 psf DL FOR TILES < 16psf, PER FBC "APPENDIX A." TILES > 16psf REGRE ADDITIONAL ANALYSIS ++ 20 psf LL FOR CEILING JOIST WHEN USED FOR LIGHT ATTIC STORAGE

EXTERIOR WALLS NOT

CORNER OF

HOUSE - TYP

4'-6"

AS IDENTIFIED AND

WHERE END-ZONE

TO COMPONENTS &

DIMENSIONED ABOVE,

SHADED/HATCHED CORNERS,

INDICATE WALLS SEGMENTS

PRESSURES SHALL APPLY

INDICATED ABOVE MAY USE

INTERIOR-ZONE PRESSURES

CLADDING. WALLS NOT

SHADED/HATCHED AS

FOR COMPONENTS &

CLADDING.

GARAGE DOORS PARTIALLY IN END-ZONE 8 quare Feet Pos. (+) NEG. (-) +19.9 -25.5 +19.9 -21.6<sub>71.8</sub> +19.4 -24.3 +19.4 -20.3<sub>0.7</sub> -36.9 -36.9 
 < 20 ft</th>
 4218
 -29.1
 4218
 -28.6
 4125
 -42.1
 412.5
 -19.9
 -68.3

 20 < 50 ft</td>
 4208
 -212
 4208
 -22.6
 411.4
 -18.4
 -18.4
 -18.4
 -24.3
 418.4
 -22.0
 -36.9
 DOOR SIZE
 LENGTH (IN FEET) OF DOOR INTO END-ZONE
 PO6. (+)

 50 < 100 ft</td>
 419.5
 -24.6
 419.5
 -21.3
 410.0
 -38.2
 411.4
 -18.4
 -18.6
 -22.9
 -36.9
 DOOR SIZE
 LENGTH (IN FEET) OF DOOR INTO END-ZONE
 PO6. (+)

 40.6
 419.4
 -24.3
 419.4
 -24.3
 419.4
 -22.0
 -36.9
 DOOR SIZE
 1'
 2'
 3'
 4'
 5'
 POF

 40.6
 -12.7
 -12.6
 -12.0
 -34.3
 -34.3
 8' X T' 4 LGR DOORS
 -21.6
 -23.0
 -23.4
 419.5

-STOP SW @ END-

OF 8'-0" PLATE HT.

(2) H8's OR (2) MTS12's @ TRUSS -TOI-TO-TOP ID W/ (1) WOOD TIE ROD 4 2ply 2 SPF 2x4 POST.

FRAMING CONNECTOR SCHEDULE FRAMING-TO-FOUNDATION / MASONRY CONNECTOR SCHEDULE

FRAMING MEMBERS CONNECTOR (6AE (Ø18) ATR SIZE MIN EMBED MIN EMBED MIN EDGE DIST MIN EMBED MIN / MAX EDGE MIN EMBED EDGE DIST (5) 8d PER END (4) 8d PER END (5) lød x 1-1/2" PER END (14) 10d or 10d x 1-1/2" TOTAL (20) 10d or (24) 10d x 1-1/2" TOTAL (14) 16d SINKERS TO R 4 POST (2) lod x 1-1/2" TO TRUSS, (10) TO 12/POST

16) 16d SINKERS TO TRUS 1) 1/4" + x 2-1/4" TITEN SCREWS TO WALL (7) lød or lød x 1-1/2" TO TRUSS 4) 1/4"\$ x 2-1/4" TITEN SCREUS TO WALL (8) 10d or 10d x 1-1/2" TO TRUSS 4) 1/4" + x 2-1/4" TITEN SCREWS TO WALL 2) 10d x 1-1/2" TO TRUSS, (6) 1/4" \$\times \ 2-1/4" TITEN SCREWS TO WALL (18) 1/4" \$\times \ 3" SDS TO TRUSS,

(2) 1/2" 4 x 5" TITEN HD's TO WALL

4) 1/4" \$ x 2-1/4" TITEN TO MASONRY

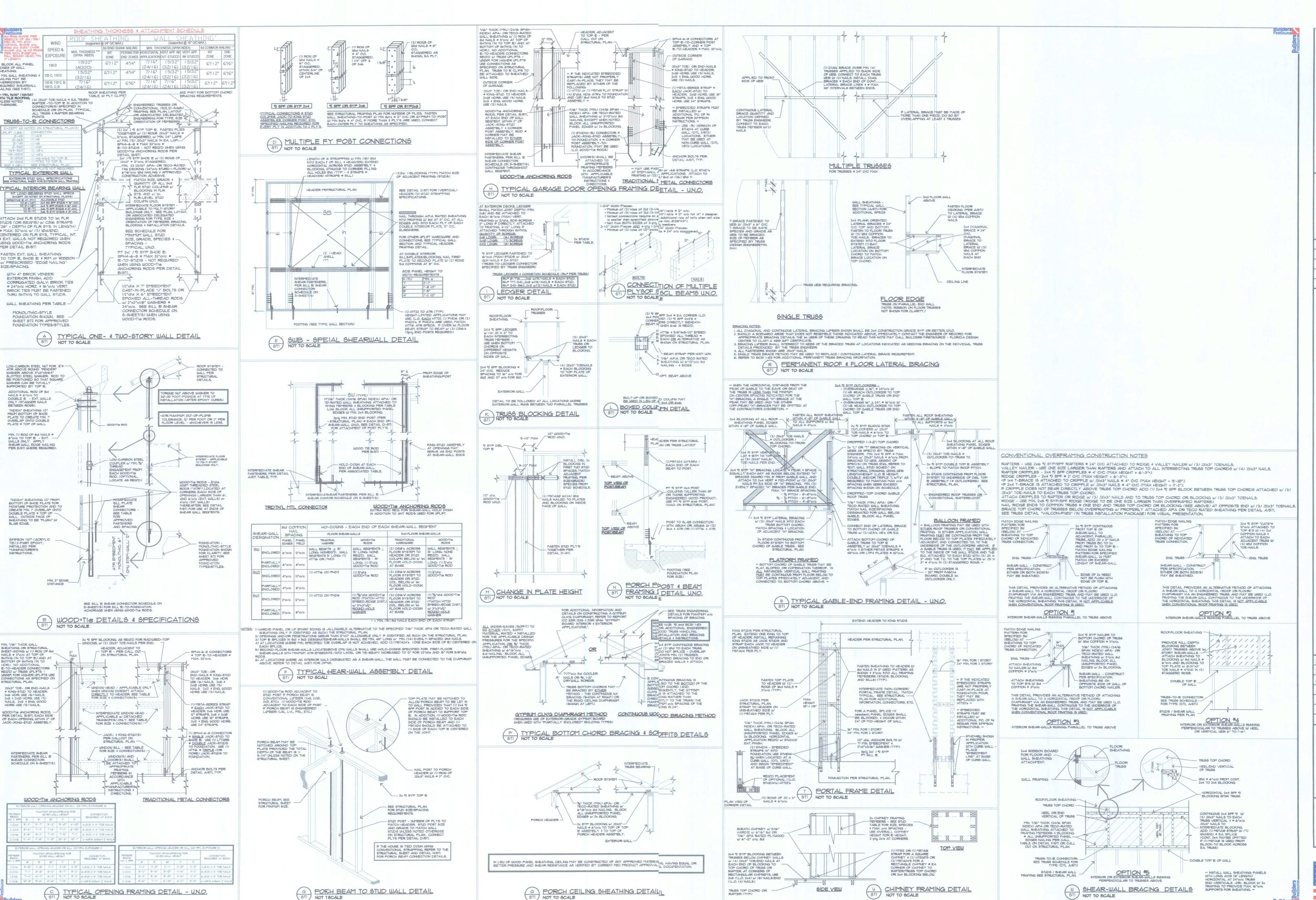
1) USE SIMPSON AT ACRYLIC TIE TIJO-PART EPOXY FOR ATR-TO-POUND, CONNECTIONS UN.O.
2) ALL DIMENSIONS (ROD DIAMETER, EMBEDMENT, EDGE, ETG.) ARE MINIMIM DISTANCES UN.O.
3) "DOUBLE" HOLD-DOUNS REQUIRE MINIMIM 8" SPACING BETHEEN ATR ANCHORS UN.O.
4) EDGE DISTANCE DIMENSIONS TO BE MEASURED FROM THE EXTERIOR FACE OF THE
FOUNDATION, CURB OR CHU WALL TO THE & OF THE ATR ANCHOR
5) MIN. EDGE DISTANCE DOES NOT APPLY AT INTERIOR CURB LOCATIONS QNLY IF THE MIN.
EMBEDMENT IS MEASURED FROM THE LOWER SLAB ELEVATION
6) ALL PARTS / MATERIALS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S
INSTRUCTIONS & DIRECTIONS
7) ALL NAILS SPECIFIED ARE "COMMON" SIZES UN.O.
8) MINIMUM ROD SIZE/GRADE, EMBEDMENT & EDGE DISTANCE SHOWN ON PLAN SUPERSEDES
MINIMUM SHOWN ON THIS CHART
9) MINIMUM SHOWN ON THIS CHART
9) MINIMUM SO SPACING BETWEEN META- OF HETA- ANCHORS UN.O.
10) MINIMUM 1-1/2" EDGE DISTANCE FOR TITEN SCREUS
2) MINIMUM 4" EDGE DISTANCE FOR TITEN SCREUS

SEE SUB FASCIA

DETAIL B/SI.

THIS BUILDING MAY BE USED IN A WIND-BORNE DEBRIS REGION ONLY IF GLAZED OPENINGS ARE PROTECTED OF IMPACT-RESISTANT BUILDING

\$ 4 MIN 3" BPCG





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PIRMISSION OF THE PROJECT EIGINEER IDENTIFIED BELOW.

2/16 B, F, H, P, Q/ RW

1/30 WhdSpds, "X" RW

9/5 T/STI DTL RW

10/10 B, W/ RW

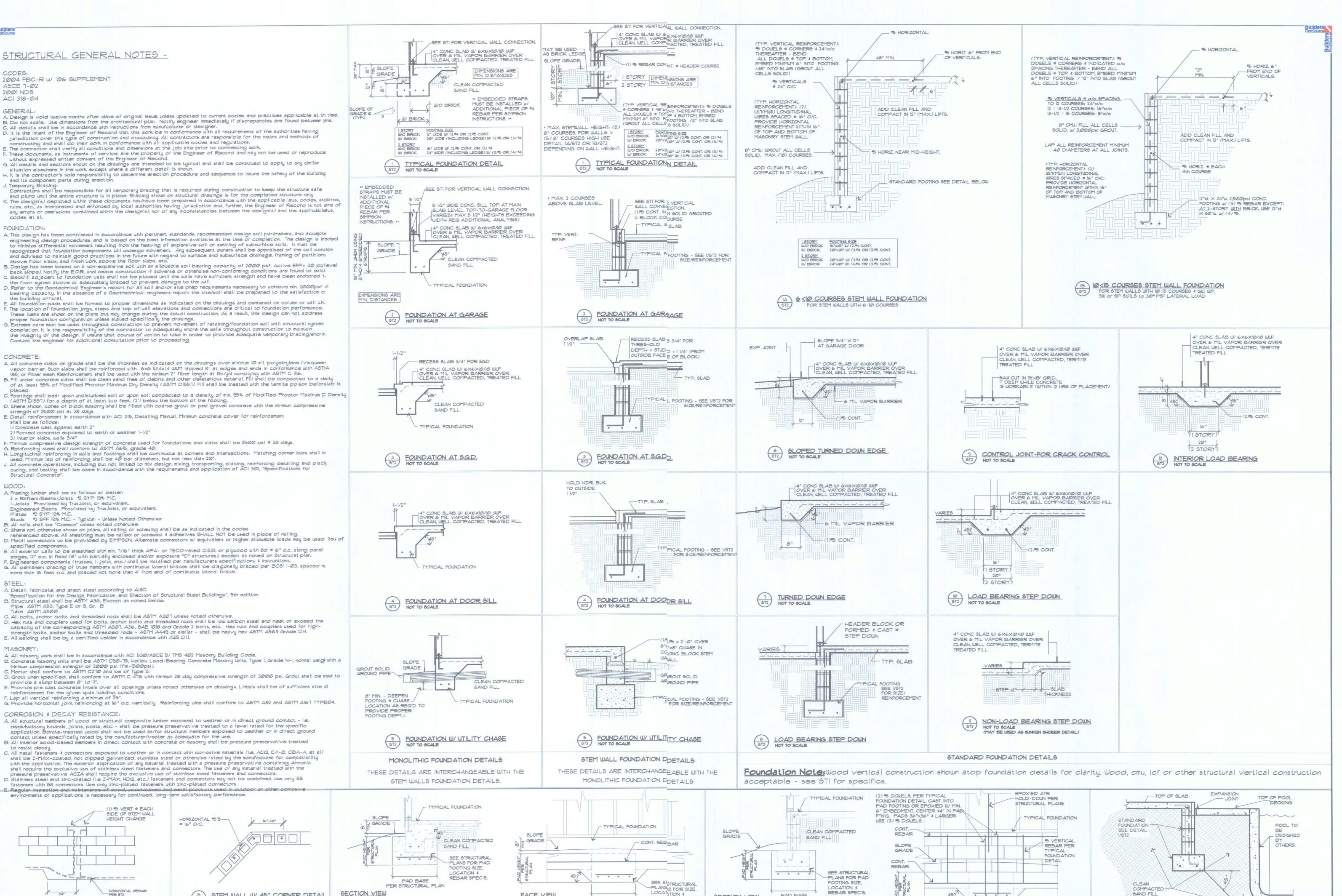
STRUCTURAL FRAMING DETAILS
2004 FBC-R w/ 2006 SUPPLEMI
[60-120mph, exposures "B", "C" 4"D"]
ENCLOSED BUILDING TYPES

DESIGN RW/MDA/MR
DRAFT MDA
CHECKED CMR
SCALE NTS
DATE 1/30/01
JCB NO. STANDARD
SQFT. DETAILS

Charles M. Rhodebeck, PE
Professional Engineer
FL License No. 26497
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A Builders FirstSource of Jacksonville
FL CoA Number 00008494
GA PEF Number 004586
SHEET

SHEET ST1





REBANA SPEC'S

PER STRUCTURAL PLAN

PAD FOOTING FOR STEM WALL

SEE STRUCTURAL

-PLANS FOR SIZE,

REBAR SPEC'S.

LOCATION &

PAD BASE

PER STRUCTURAL PLAN

FOUNDATION @ POOL

NOT TO SCALE

SAND FILL

PAD BASE

PER STRUCTURAL PLAN

FACE VIEW

PAD FOOTING FOR MONO SLAB

U/ 45° CORNER DETAIL

STEM WALL HEIGHT CHANGE

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> REV DESCRIPTION 1/09 CMR, et al RW

2 1/16 D'CAY, CORR RW 3 2/6 2/ST2 STHD14 RW

4 2/14 GEN. NOTES RW

V F Ш **Z** 0 N [  $\supset \mathbb{C}$ 

0 50 · E DESIGN RW/MDA/MR

DRAFT JLB/MDA CHECKED CMR SCALE NTS DATE 7/30/07 OB NO. STANDARD DETAILS

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