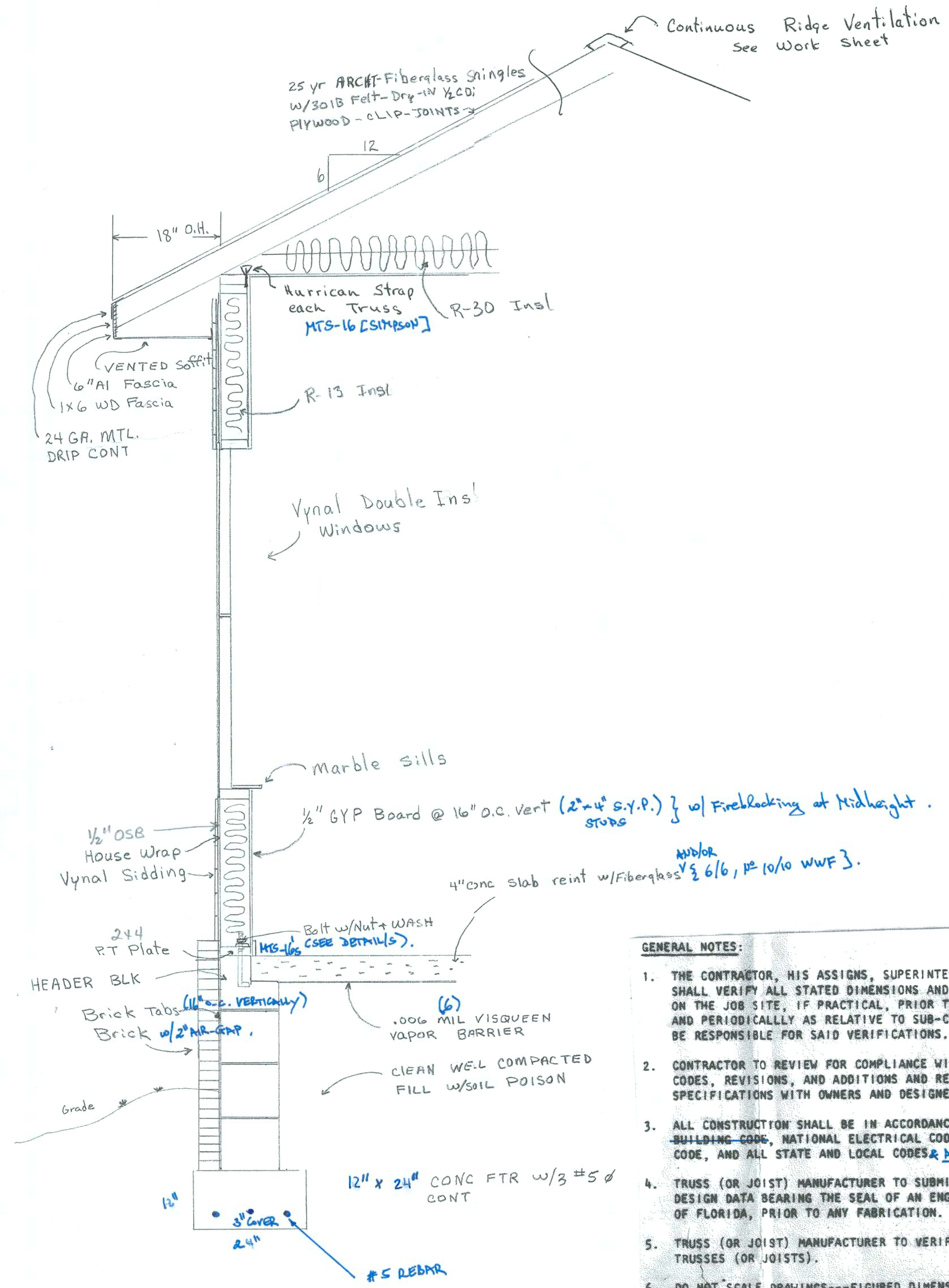
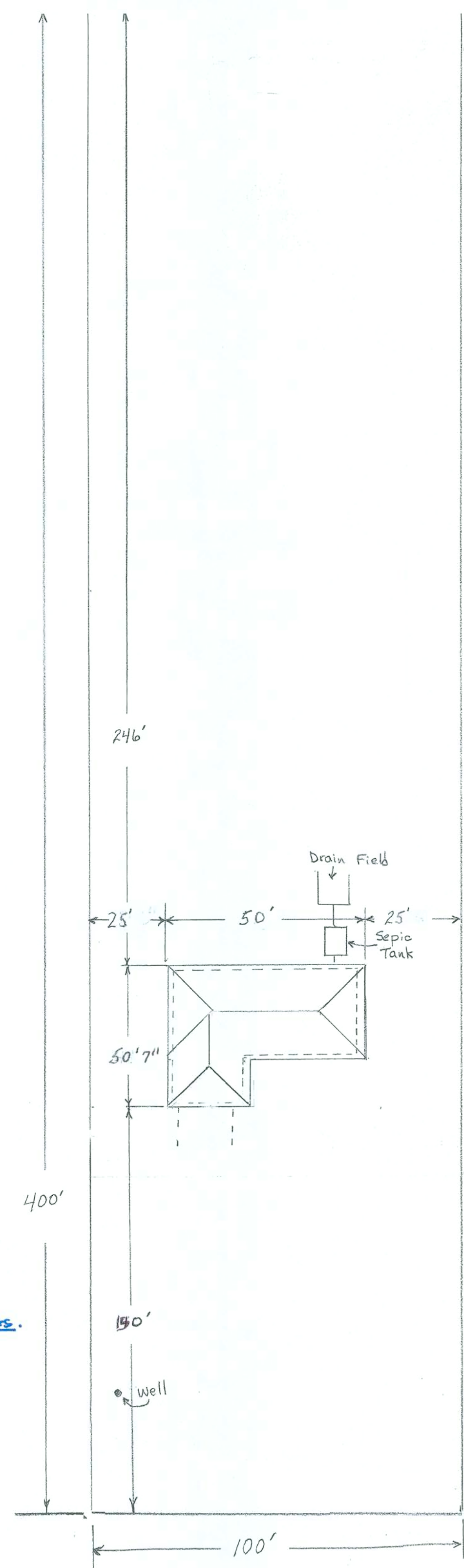
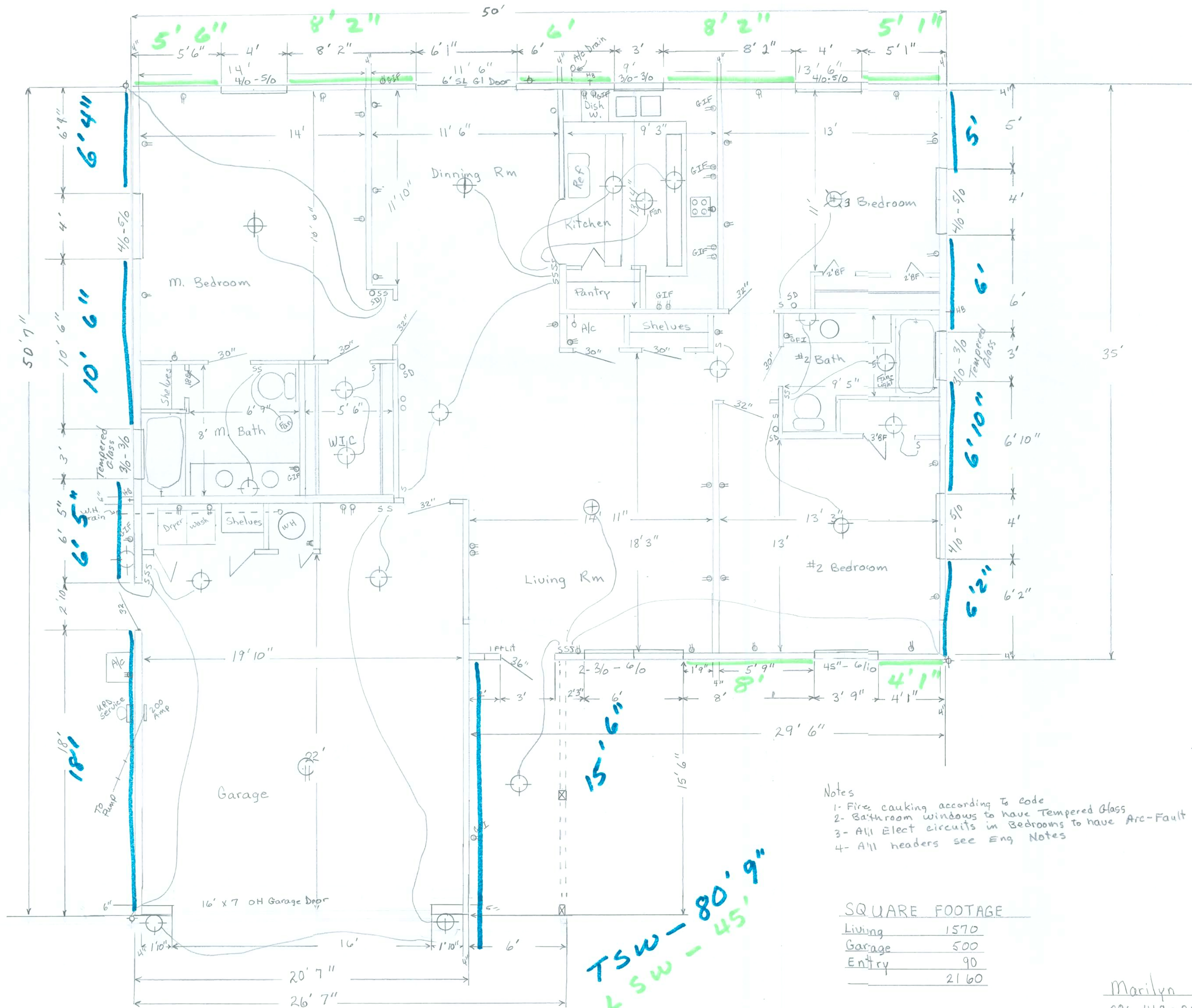
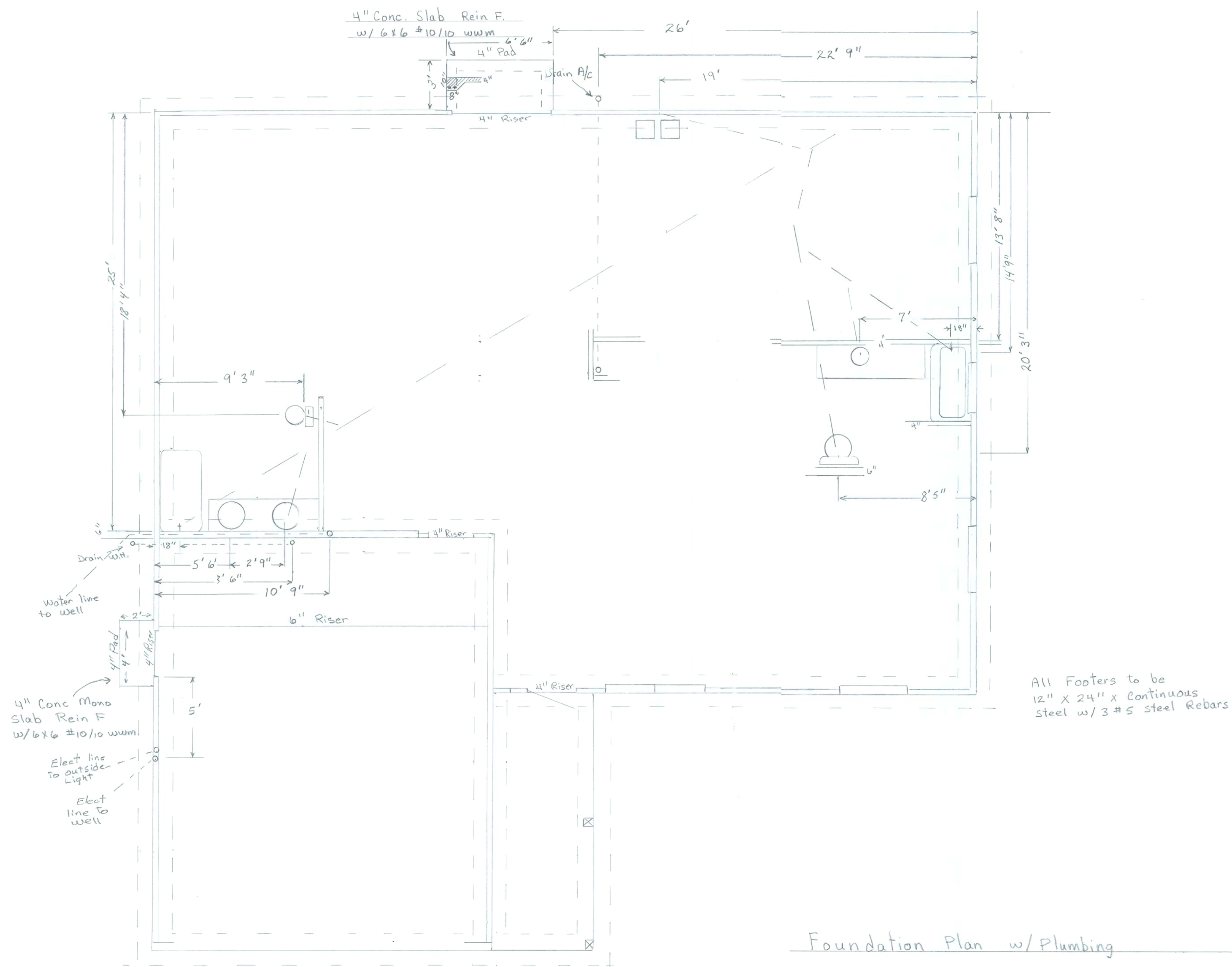




- GENERAL NOTES:**
1. THE CONTRACTOR, HIS ASSIGNS, SUPERINTENDANTS, OR AGENTS SHALL VERIFY ALL STATED DIMENSIONS AND CONDITIONS OF THE PROJECT ON THE JOB SITE, IF PRACTICAL, PRIOR TO THE START OF CONSTRUCTION AND PERIODICALLY AS RELATIVE TO SUB-CONTRACTORS TRADE AND SHALL BE RESPONSIBLE FOR SAID VERIFICATIONS.
 2. CONTRACTOR TO REVIEW FOR COMPLIANCE WITH ALL CURRENT BUILDING CODES, REVISIONS, AND ADDITIONS AND REVIEW ALL DIMENSIONS AND SPECIFICATIONS WITH OWNERS AND DESIGNERS PRIOR TO COMMENCEMENT.
 3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SOUTHERN STANDARD BUILDING CODE, NATIONAL ELECTRICAL CODE, SOUTHERN STANDARD PLUMBING CODE, AND ALL STATE AND LOCAL CODES & ASCE 7-02 & FBC 2004 w/05 Supplements.
 4. TRUSS (OR JOIST) MANUFACTURER TO SUBMIT SHOP DRAWINGS AND COMPLETE DESIGN DATA BEARING THE SEAL OF AN ENGINEER REGISTERED IN THE STATE OF FLORIDA, PRIOR TO ANY FABRICATION.
 5. TRUSS (OR JOIST) MANUFACTURER TO VERIFY ALL CONDITIONS RELATING TRUSSES (OR JOISTS).
 6. DO NOT SCALE DRAWINGS---FIGURED DIMENSIONS TAKE PREFERENCE.
 7. Fire caulking according to code
 8. Safety Glass all bathroom windows (Tempered Glass)
 9. All Bedrooms have Arc-fault circuits.

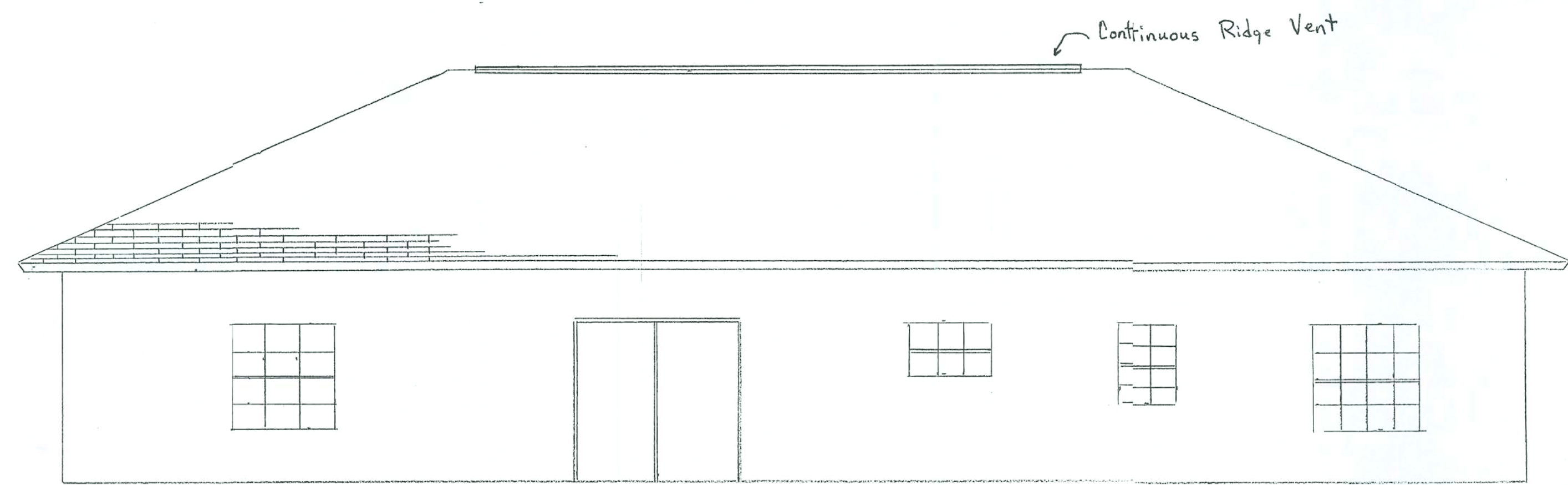




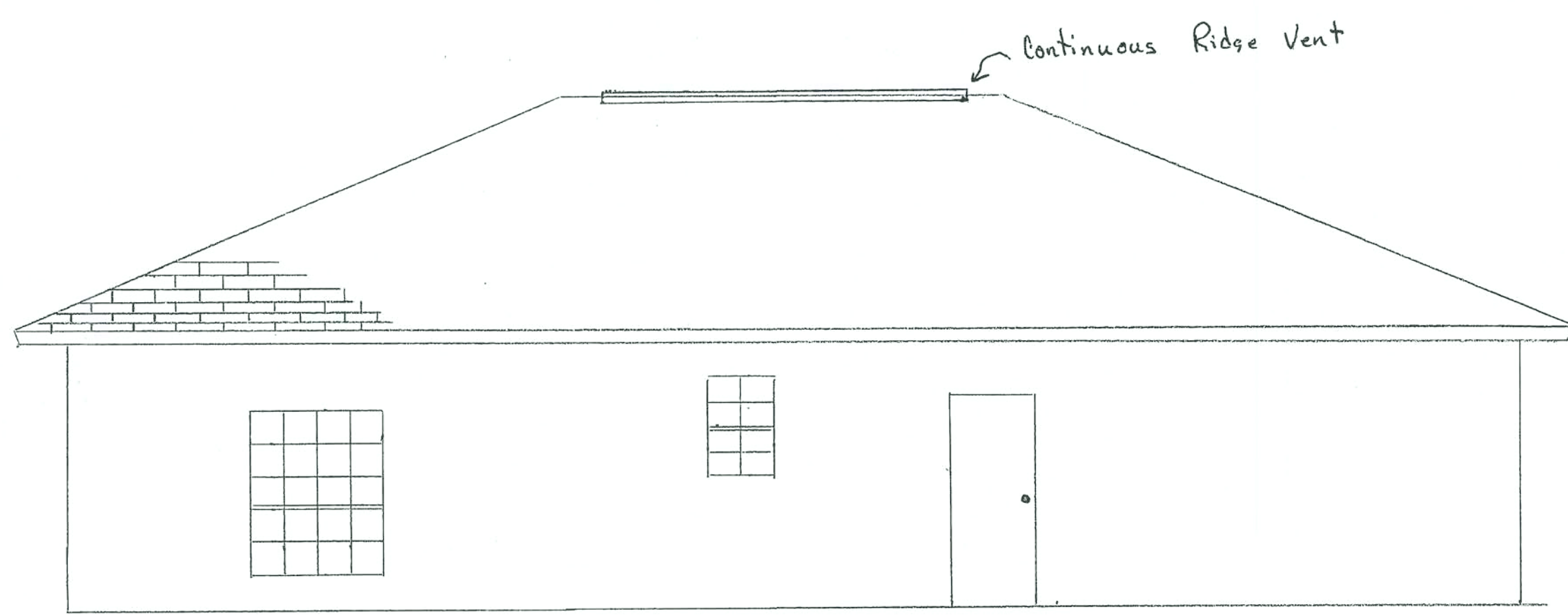




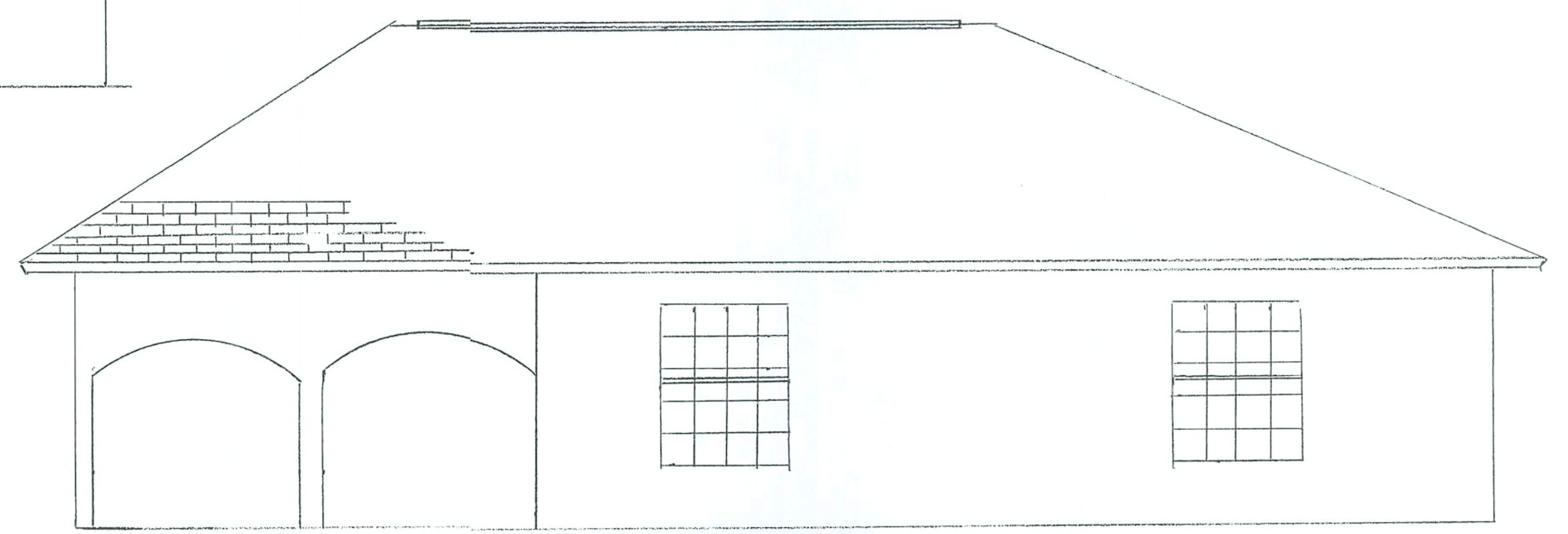
FRONT ELEVATION $\frac{1}{4}" = 1'$



REAR ELEVATION



LEFT ELEVATION



RIGHT ELEVATION

OFFICE COPY

GENERAL STRUCTURAL NOTES AND PROJECT SPECIFICATIONS:

SECTION 1: GENERAL

- 1.1 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE THE JOB SITE PRIOR TO STARTING CONSTRUCTION AND THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES WITH ANY WORK SO INVOLVED.
- 1.2 ALL PHASES OF WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE LATEST EDITION OF THE ~~FCB-2004 BUILDING CODE~~ AND ALL APPLICABLE LOCAL CODES, ~~as well as supplements~~.
- 1.3 THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. NEITHER CONSTRUCTION MEANS AND METHODS NOR CONSTRUCTION SAFETY ARE PART OF THE STRUCTURAL ENGINEERS' EXPERTISE OR SCOPE OF WORK. THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS ARE FULLY RESPONSIBLE FOR THE MEANS AND METHODS USED TO CONSTRUCT THE STRUCTURE AND FOR FULL COMPLIANCE WITH ALL JOB SAFETY RELATED REGULATIONS AND CONDITIONS AT THE SITE. LIMITED SITE VISITS, IF ANY, BY THE STRUCTURAL ENGINEER ARE SOLELY TO OBSERVE COMPLETED PARTS OF THE STRUCTURE. THE STRUCTURAL ENGINEER IS NEITHER QUALIFIED TO OBSERVE NOR COMMENT ON CONSTRUCTION MEANS AND METHODS AND JOB SITE SAFETY.
- 1.4 OPENINGS, POCKETS, ETC... SHALL NOT BE PLACED IN SLABS, BEAMS, COLUMNS, WALLS, ETC... UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.
- 1.5 ALL ASTM SPECIFICATIONS, IF APPLICABLE, NOTED ON THESE DRAWINGS SHALL BE OF THE LATEST REVISION.
- 1.6 IN THE EVENT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE NOTES OR SPECIFICATIONS, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR CALLED FOR AND SHALL BE REVIEWED BY THE ARCHITECT.
- 1.7 EXISTING CONDITIONS DEPICTED ON THESE DRAWINGS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR AS THEY ARE UNCOVERED DURING CONSTRUCTION. IN THE EVENT EXISTING CONDITIONS ARE DIFFERENT THAN SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER IMMEDIATELY AND AWAIT FURTHER INSTRUCTION BEFORE PROCEEDING WITH CONSTRUCTION.
- 1.8 PRIOR TO ANY DRILLING, CORING, OR CUTTING OF CAST CONCRETE, THE CONTRACTOR SHALL SUBMIT TO THE STRUCTURAL ENGINEER FOR REVIEW, THE PROPOSED SIZES AND LOCATIONS OF ALL BOLS. THE CONTRACTOR SHALL TAKE WHATEVER STEPS THAT ARE NECESSARY TO LOCATE AND AVOID ALL SUCH REINFORCEMENT.

SECTION 2: SITE PREPARATION

- 2.1 ALL SITEWORK AND GRADING SHALL BE DONE IN COMPLIANCE WITH THE SOIL INVESTIGATION REPORT.
- 2.2 REMOVE ALL UNSUITABLE SURFACE AND SUBSURFACE SOILS, IF ANY, FROM THE BUILDING PAD AREA. REMOVAL SHALL EXTEND BEYOND THE BUILDING FOOT PRINT ALL AROUND, AS IN ACCORDANCE TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- 2.3 PROOFROLL / VIBRATORY COMPACT EXCAVATED SUBGRADE AND UNDERCUT AND BACKFILL ALL SOFT SPOTS, IF ANY, WITH SELECT COMPACTED FILL SOIL. THE SUBGRADE SHALL BE INSPECTED AND EVALUATED BY THE GEOTECHNICAL ENGINEER PRIOR TO BACKFILLING.
- 2.4 GROUND SURFACE IN THE BUILDING PAD AREA SHALL BE APPROPRIATELY GRADED AND DRAINED AT ALL TIMES TO PREVENT PONDING OF RAINFALL RUNOFF.
- 2.5 RELATIVELY MOIST CONDITIONS OF SUBGRADE SOILS SHALL BE MAINTAINED DURING CONSTRUCTION. BUILDING SELECT FILL SHALL NOT BE PLACED ON DRY DESSICATED SOILS.
- 2.6 SELECT FILL SHALL BE A HOMOGENEOUS SELECT COHESIVE SOIL. SELECT FILL SHALL BE EVALUATED BY A GEOTECHNICAL ENGINEER FOR CONFORMANCE WITH SELECT FILL CRITERIA.
- 2.7 SELECT FILL SHALL BE PLACED IN A MAXIMUM OF EIGHT INCH LOOSE LIFTS AND COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR DENSITY TEST AT A MOISTURE CONTENT OF ± 2 PERCENT OF THE OPTIMUM MOISTURE CONTENT.
- 2.8 GOOD DRAINAGE AND STABLE MOISTURE LEVELS SHALL BE MAINTAINED AROUND THE STRUCTURE AT ALL TIMES DURING AND AFTER CONSTRUCTION. LANDSCAPING SHALL BE DEVELOPED TO MINIMIZE POTENTIAL FOR EXCESSIVE WATER INFILTRATION THROUGH CONTROLLED IRRIGATION PRACTICES. TREES AND LARGE SHRUBS SHALL BE MAINTAINED AT A SAFE DISTANCE FROM THE BUILDING

SECTION 3: CONCRETE

- 3.1 ALL CONCRETE WORK TO BE IN STRICT ACCORDANCE WITH ACI-318.
- 3.2 ALL CONCRETE REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60, EXCEPT WHERE NOTED. NO. 3 BARS SHALL CONFORM TO ASTM A615, GRADE 40.
- 3.3 CONCRETE IN THE FOLLOWING AREAS SHALL HAVE SAND AND GRAVEL AGGREGATES (IN COMPLIANCE WITH ASTM C33), TYPE 1 PORTLAND CEMENT (ASTM C150), AND THE DESIGNATED COMPRESSIVE STRENGTH (f'_c) WITHIN 28-DAYS:

FOOTINGS AND SLABS	----->	2500 PSI
ALL OTHER CONCRETE	----->	3000 PSI
- 3.4 THE MAXIMUM SLUMP SHALL NOT EXCEED 4 INCHES $\pm$ 1 INCH.
- 3.5 ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- 3.6 CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE AS FOLLOWS, SEE SECTION 7.7 ACI 318-08 FOR CONDITIONS NOT NOTED.

FOOTINGS	----->	3 IN.
GRADE BEAMS	----->	3 IN. BOT., 2 IN. SIDE (3 INCH EARTH FORMED), 1-1/2 IN. TOP.
SLABS ON GRADE	----->	1 IN. TOP.
- 3.7 NO HORIZONTAL JOINTS WILL BE PERMITTED IN CONCRETE EXCEPT WHERE THEY NORMALLY OCCUR OR WHERE NOTED. VERTICAL JOINTS SHALL OCCUR AT CENTER SPANS OR AT LOCATIONS APPROVED BY THE STRUCTURAL ENGINEER.
- 3.8 DETAILING OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI PUBLICATION 315, LATEST EDITION. ALL HOOKED BARS SHOWN IN DETAILS SHALL HAVE STANDARD HOOKS UNLESS NOTED OTHERWISE.
- 3.9 REINFORCING BARS MAY NOT BE WELDED WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.
- 3.10 UNLESS OTHERWISE NOTED CONTINUOUS BOTTOM REINFORCING BARS SHALL BE SPLICED AT SUPPORTS AND CONTINUOUS TOP REINFORCING BARS SHALL BE SPLICED AT MID-SPAN.
- 3.11 ALL MIXING, TRANSPORTING, PLACING AND CURING OF CONCRETE SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE AMERICAN CONCRETE INSTITUTE (ACI).
- 3.12 ALL BASE PLATES AND ANCHOR BOLTS SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CONCRETE. ANCHOR BOLTS SHALL BE FABRICATED FROM FULL BODIED A-36 STEEL RODS HAVING THE SAME DIAMETER AS THE BOLT DIAMETER AND USING CUT THREADS, ROLLED THREADS ARE NOT ACCEPTABLE. BOLTS SHALL BE SET USING RIGID TEMPLATES.
- 3.13 ALL REINFORCING BARS, ANCHOR BOLTS, PRESTRESSING TENDONS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- 3.14 CONDUIT OR PIPE SIZE (OD) SHALL NOT EXCEED 30% OF THE SLAB THICKNESS UNLESS SPECIFICALLY DETAILED OTHERWISE AND SHALL BE LOCATED IN MIDDLE 1/3 OF SLAB. CLEAR SPACING BETWEEN ADJACENT CONDUITS OR PIPES SHALL BE TWO TIMES THE LARGER O.D. MINIMUM, UNLESS NOTED OTHERWISE ON PLANS.
- 3.15 PIPES THROUGH STRUCTURAL ELEMENTS SHALL BE SLEEVED WITH A STEEL PIPE OF LARGER DIAMETER.
- 3.16 ALL CONCRETE CONSTRUCTION JOINTS SHALL HAVE 1/4 INCH $\pm$ AMPLITUDE ROUGHNESS, UNLESS NOTED OTHERWISE.

SECTION 4: FOUNDATIONS

- 4.1 ALL STRUCTURAL COMPUTATIONS ARE BASED ON AN ASSUMED MINIMUM ALLOWABLE SOIL BEARING CAPACITY OF 2000 PSF, THAT MUST BE CONFIRMED BY THE SITE GEOTECHNICAL ENGINEER / ARCHITECT PRIOR TO FOUNDATION POUR.
- 4.2 SHOULD THE FOOTING ELEVATION OCCUR IN DISTURBED, UNSTABLE OR UNSUITABLE SOIL, THE ENGINEER SHALL BE NOTIFIED AND NECESSARY ADJUSTMENTS SHALL BE MADE PER HIS/HER INSTRUCTIONS.

SECTION 4: FOUNDATIONS

- 4.3 STEPS IN WALL FOOTINGS SHALL NOT EXCEED A SLOPE OF ONE VERTICAL TO TWO HORIZONTAL (1V:2H).
- 4.4 PREPARED GRADE AREA UNDER ALL BUILDING SLABS AND GRADE BEAMS SHALL BE COVERED WITH 6 MIL POLYETHYLENE VAPOR BARRIER WITH JOINTS LAPPED NOT LESS THAN 6 INCHES AT SIDES AND ENDS
- 4.5 CAUTION SHALL BE USED WHEN OPERATING VIBRATORY COMPACTION EQUIPMENT NEAR EXISTING STRUCTURES TO AVOID THE RISK OF DAMAGING THE STRUCTURE.
- 4.6 DESIGN CRITERIA:

ROOF LIVE LOAD	----->	30 PSF. (PER TRUSS PLANT / BUILDER)
DEAD LOAD	----->	30 PSF. (PER TRUSS PLANT / BUILDER)
WIND LOADS	----->	120 MPH, EXPOSURE B

SECTION 5: MASONRY

- 5.1 DESIGN, MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ~~FCB-2004 BUILDING CODE~~ REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES: ~~as well as supplements~~ (ACI 530 / ACI 530.1)
- 5.2 CMU CELLS INDICATED TO BE FILLED SHALL BE GROUTED WITH A MINIMUM OF 2500 TO 3000 PSI CONCRETE, WITH NO MORE THAN AN 8 INCH SLUMP.
- 5.3 ALL CELLS AT CORNERS, END OF SHEAR WALLS, AND UNDER CONCENTRATED LOADS SHALL CONTAIN VERTICAL REINFORCING AND SHALL BE FILLED WITH CONCRETE.
- 5.4 CMU CONCRETE BLOCKS SHALL CONFORM TO ASTM C-90 WITH A 28-DAY PRISM STRENGTH OF 2000 PSI ($f'_m = 1350$ PSI), LAID IN RUNNING BOND. MORTAR SHALL BE TYPE M OR S.
- 5.5 PROVIDE VERTICAL REINFORCING IN CMU WALLS OF A MINIMUM OF ONE 1 # 5 AT 4'-0" MAXIMUM ON CENTER (TYPICAL U.O.N.). GRADE 40. NOTE THAT HIGHLY STRESSED AREAS (CONCENTRATED LOADS) MAY NEED TO RECEIVE MORE REINFORCING (THIS SHALL BE INDICATED IN THE ARCHITECTURAL PLANS).
- 5.6 PROVIDE 8" x 16" BOND BEAM WITH 1 # 5 TOP. AT CORNERS PROVIDE CONTINUITY BY USING CORNER BARS OR END HOOKS. SPLICE LAP LENGTH TO BE 30" MINIMUM.
- 5.7 MASONRY PRECAST LINTELS SHALL BE PROVIDED ABOVE OPENINGS.
- 5.8 GROUTING PROCEDURE FOR BLOCK LIFTS EXCEEDING FIVE FEET:
PROVIDE CLEAN-OUT OPENINGS AT THE BOTTOM OF THE LIFT IN EVERY CELL TO BE FILLED. GROUT LIFT NOT TO EXCEED 5'-0" AND TOTAL POUR DEPTH SHALL BE PER TABLE 4.3.3.4 OF ACI-ASCE 530.1.
- 5.9 MINIMUM GROUTING: FILL ALL CELLS SHOWN (ARCHITECTURAL PLANS)
- 5.10 ALL BOLTS IN MASONRY SHALL BE CENTERED IN CELLS $\pm$ 2 INCHES.

SECTION 6: WOOD

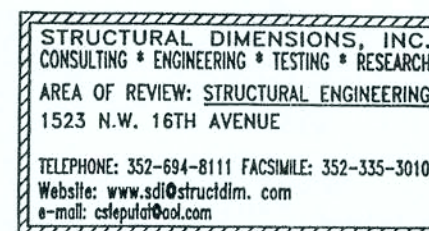
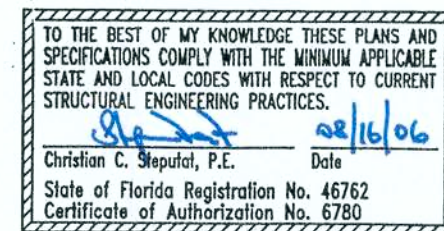
- 6.1 ALL WOOD FRAMING AND PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED, DETAILED AND FABRICATED IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
- 6.2 THE WOOD TRUSSES SHALL BE SIZED AND DETAILED TO FIT THE DIMENSIONS AND LOADS INDICATED, AS SPECIFIED BY THE PROJECT ARCHITECT. ALL DESIGN SHALL BE IN ACCORDANCE WITH ALLOWABLE VALUES AND SECTION PROPERTIES ASSIGNED AND APPROVED BY THE BUILDING CODE. ALL TRUSS CALCULATIONS, INCORPORATING ANTICIPATED DESIGN LOADS, SHALL BE PROVIDED BY THE TRUSS ENGINEER (STAMPED AND SEALED).
- 6.3 PERMANENT BRIDGING PERPENDICULAR TO THE SPAN OF THE TRUSSES SHALL BE PROVIDED AS REQUIRED BY THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL PROVIDE A STATEMENT THAT THE BOTTOM CHORD OF THE ROOF TRUSSES ARE BRACED DURING UPLIFT CONDITIONS.

SECTION 6: WOOD

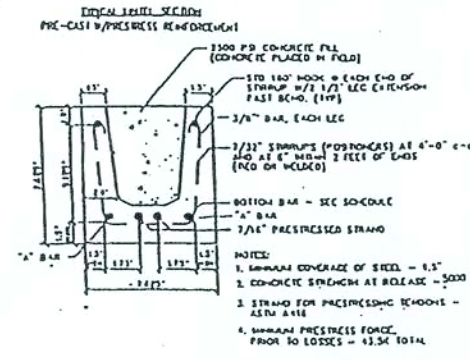
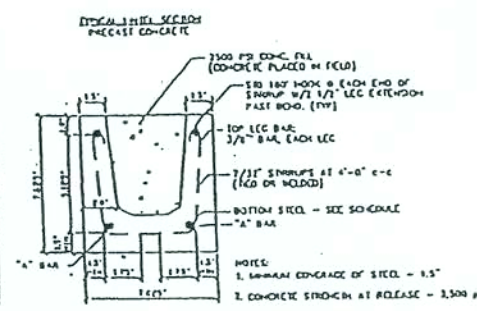
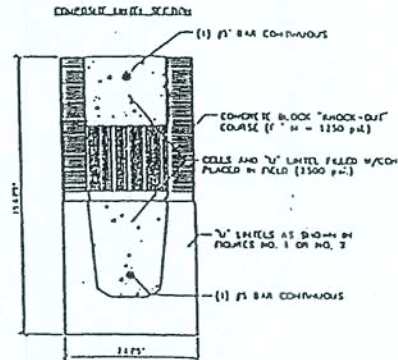
- 6.4 FOR STRUCTURAL LUMBER, PROVIDE THE FOLLOWING GRADE AND SPECIES OR EQUIVALENT:
SOUTHERN PINE OR SPRUCE-PINE-FIR SURFACES DRY USE AT 19% MAXIMUM MOISTURE CONTENT, GRADE NO. 2.
- 6.5 PROVIDE GALVANIZED METAL HANGERS AND FRAMING ANCHORS OF THE SIZE AND TYPE RECOMMENDED BY THE MANUFACTURER FOR EACH USE INCLUDING RECOMMENDED NAILS (SIMPSON STRONG TIE CONNECTORS OR EQUIVALENT).
- 6.6 ALL BOLTS USED FOR WOOD CONSTRUCTION SHALL BE A MINIMUM OF 1/2 INCH DIAMETER (ASTM A-307).
- 6.7 PROVIDE FRAMING MEMBERS OF SIZES AND OF SPACINGS SHOWN, OR IF NOT SHOWN, COMPLY WITH THE RECOMMENDATIONS OF THE "MANUAL FOR HOUSE FRAMING" OF THE NATIONAL FOREST PRODUCTS ASSOCIATION.
- 6.8 DO NOT SPLICE STRUCTURAL MEMBERS BETWEEN SUPPORTS.
- 6.9 PROVIDE ANCHORAGE AND NAILING FOR MEMBERS AND SHEATHING AS SHOWN IN THE DRAWINGS AND TO COMPLY WITH THE LATEST EDITION OF THE ~~FCB-2004 BUILDING CODE~~, ~~as well as supplements~~.
- 6.10 ROOF FRAMING SHEATHING AND GABLE END SHEATHING:
1/2 INCH THICK WITH A NAILING PATTERN $\pm$ 10d NAILS AT 6" O.C. PROVIDING BLOCKED DIAPHRAGM 24" FROM ALL EDGES OF ROOF.

SECTION 7: STRUCTURAL STEEL

- 7.1 STRUCTURAL STEEL SHALL BE OF ASTM A-36 STEEL (U.O.N.) PROVIDE $F_y = 46$ KSI FOR STRUCTURAL TUBING.
- 7.2 ALL ERECTION AND FABRICATION OF STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF THE AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION, AND THE LATEST EDITION OF THE AISC CODE OF STANDARD PRACTICE.
- 7.3 ALL BOLTED STEEL CONNECTIONS ARE TO BE STANDARD AISC BOLTED CONNECTIONS AS PER AISC MANUAL AND SHALL BE CAPABLE OF SUPPORTING MAXIMUM ALLOWABLE UNIFORM BEAM LOADS, AS DETERMINED FROM THE TABLES OF UNIFORM LOAD CONSTANTS OF THE AISC MANUAL. ALL BOLTS SHALL BE HIGH STRENGTH ASTM A-325.
- 7.4 ALL WELDS ARE TO CONFORM TO AISC STANDARDS AND LOAD TABLES.
- 7.5 WELDED CONNECTIONS SHALL DEVELOP THE FULL SHEAR AND/OR MOMENT CAPACITY OF THE MEMBERS CONNECTED.



Concrete Lintel Beam Schedule



STRUCTURAL NOTES

1. CONCRETE
 - 1.1 $f'_c = 5000$ psi
 - 1.2 Building Code Requirements for Reinforced Concrete (ACI 318)
 - 1.3 American Society of Civil Engineers Minimum Design Loads for Buildings and Other Structures (ASCE 7)
2. REINFORCEMENT
 - 2.1 Concrete Compressive Strength at 28 days:
 - 2.1.1 Precast with standard reinforcement - 3,500 PSI
 - 2.1.2 Precast with prestressed reinforcement - 5,000 PSI
 - 2.1.3 Concrete fill (placed in field) - 3,500 PSI
 - 2.2 Steel placed in precast lintel at time of fabrication ASTM A615 (Grade 60)
 - 2.3 Prestress Strand: ASTM A416 7-Wire
 - 2.4 Detail Reinforcement in accordance with ACI 315
 - 2.5 Corroding Operations Shall Comply with ACI Standards
3. HAZARDOUS:
 - 3.1 Design and Construction Shall Conform to the Specification of the National Concrete Masonry Association and ACI 318
 - 3.2 Minimum Masonry Unit Strength: $f_u \geq 1,500$ PSI
 - 3.3 Mortar Shall be Type S

*NOTE: It is the contractor's responsibility to review all drawings before construction begins.

Any discrepancy between field conditions, other design professionals' shop drawings, contractor's building methods, and those signed and sealed drawings must be brought to the attention of the architect prior to the commencement of construction.

Precast Lintel (8"x16", Flat and Unfilled)

Mark No.	Clear Span	Unit Size	No. of Units	Weight (lb)	Volume (cu ft)	Area (sq ft)
8-1	12'	8"x16"	1	110	0.11	12.0
8-2	14'	8"x16"	1	140	0.14	14.0
8-3	16'	8"x16"	1	170	0.17	16.0
8-4	18'	8"x16"	1	200	0.20	18.0
8-5	20'	8"x16"	1	230	0.23	20.0
8-6	22'	8"x16"	1	260	0.26	22.0
8-7	24'	8"x16"	1	290	0.29	24.0
8-8	26'	8"x16"	1	320	0.32	26.0
8-9	28'	8"x16"	1	350	0.35	28.0
8-10	30'	8"x16"	1	380	0.38	30.0
8-11	32'	8"x16"	1	410	0.41	32.0
8-12	34'	8"x16"	1	440	0.44	34.0
8-13	36'	8"x16"	1	470	0.47	36.0
8-14	38'	8"x16"	1	500	0.50	38.0
8-15	40'	8"x16"	1	530	0.53	40.0
8-16	42'	8"x16"	1	560	0.56	42.0
8-17	44'	8"x16"	1	590	0.59	44.0
8-18	46'	8"x16"	1	620	0.62	46.0
8-19	48'	8"x16"	1	650	0.65	48.0
8-20	50'	8"x16"	1	680	0.68	50.0
8-21	52'	8"x16"	1	710	0.71	52.0
8-22	54'	8"x16"	1	740	0.74	54.0
8-23	56'	8"x16"	1	770	0.77	56.0
8-24	58'	8"x16"	1	800	0.80	58.0
8-25	60'	8"x16"	1	830	0.83	60.0
8-26	62'	8"x16"	1	860	0.86	62.0
8-27	64'	8"x16"	1	890	0.89	64.0
8-28	66'	8"x16"	1	920	0.92	66.0
8-29	68'	8"x16"	1	950	0.95	68.0
8-30	70'	8"x16"	1	980	0.98	70.0
8-31	72'	8"x16"	1	1010	1.01	72.0
8-32	74'	8"x16"	1	1040	1.04	74.0
8-33	76'	8"x16"	1	1070	1.07	76.0
8-34	78'	8"x16"	1	1100	1.10	78.0
8-35	80'	8"x16"	1	1130	1.13	80.0
8-36	82'	8"x16"	1	1160	1.16	82.0
8-37	84'	8"x16"	1	1190	1.19	84.0
8-38	86'	8"x16"	1	1220	1.22	86.0
8-39	88'	8"x16"	1	1250	1.25	88.0
8-40	90'	8"x16"	1	1280	1.28	90.0
8-41	92'	8"x16"	1	1310	1.31	92.0
8-42	94'	8"x16"	1	1340	1.34	94.0
8-43	96'	8"x16"	1	1370	1.37	96.0
8-44	98'	8"x16"	1	1400	1.40	98.0
8-45	100'	8"x16"	1	1430	1.43	100.0

Precast Lintel (8"x16", Flat and Unfilled)

Mark No.	Clear Span	Unit Size	No. of Units	Weight (lb)	Volume (cu ft)	Area (sq ft)
8-1	12'	8"x16"	1	110	0.11	12.0
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8-3	16'	8"x16"	1	170	0.17	16.0
8-4	18'	8"x16"	1	200	0.20	18.0
8-5	20'	8"x16"	1	230	0.23	20.0
8-6	22'	8"x16"	1	260	0.26	22.0
8-7	24'	8"x16"	1	290	0.29	24.0
8-8	26'	8"x16"	1	320	0.32	26.0
8-9	28'	8"x16"	1	350	0.35	28.0
8-10	30'	8"x16"	1	380	0.38	30.0
8-11	32'	8"x16"	1	410	0.41	32.0
8-12	34'	8"x16"	1	440	0.44	34.0
8-13	36'	8"x16"	1	470	0.47	36.0
8-14	38'	8"x16"	1	500	0.50	38.0
8-15	40'	8"x16"	1	530	0.53	40.0
8-16	42'	8"x16"	1	560	0.56	42.0
8-17	44'	8"x16"	1	590	0.59	44.0
8-18	46'	8"x16"	1	620	0.62	46.0
8-19	48'	8"x16"	1	650	0.65	48.0
8-20	50'	8"x16"	1	680	0.68	50.0
8-21	52'	8"x16"	1	710	0.71	52.0
8-22	54'	8"x16"	1	740	0.74	54.0
8-23	56'	8"x16"	1	770	0.77	56.0
8-24	58'	8"x16"	1	800	0.80	58.0
8-25	60'	8"x16"	1	830	0.83	60.0
8-26	62'	8"x16"	1	860	0.86	62.0
8-27	64'	8"x16"	1	890	0.89	64.0
8-28	66'	8"x16"	1	920	0.92	66.0
8-29	68'	8"x16"	1	950	0.95	68.0
8-30	70'	8"x16"	1	980	0.98	70.0
8-31	72'	8"x16"	1	1010	1.01	72.0
8-32	74'	8"x16"	1	1040	1.04	74.0
8-33	76'	8"x16"	1	1070	1.07	76.0
8-34	78'	8"x16"	1	1100	1.10	78.0
8-35	80'	8"x16"	1	1130	1.13	80.0
8-36	82'	8"x16"	1	1160	1.16	82.0
8-37	84'	8"x16"	1	1190	1.19	84.0
8-38	86'	8"x16"	1	1220	1.22	86.0
8-39	88'	8"x16"	1	1250	1.25	88.0
8-40	90'	8"x16"	1	1280	1.28	90.0
8-41	92'	8"x16"	1	1310	1.31	92.0
8-42	94'	8"x16"	1	1340	1.34	94.0
8-43	96'	8"x16"	1	1370	1.37	96.0
8-44	98'	8"x16"	1	1400	1.40	98.0
8-45	100'	8"x16"	1	1430	1.43	100.0

Precast Lintel (8"x16", Composite)

Mark No.	Clear Span	Unit Size	No. of Units	Weight (lb)	Volume (cu ft)	Area (sq ft)
8-1	12'	8"x16"	1	110	0.11	12.0
8-2	14'	8"x16"	1	140	0.14	14.0
8-3	16'	8"x16"	1	170	0.17	16.0
8-4	18'	8"x16"	1	200	0.20	18.0
8-5	20'	8"x16"	1	230	0.23	20.0
8-6	22'	8"x16"	1	260	0.26	22.0
8-7	24'	8"x16"	1	290	0.29	24.0
8-8	26'	8"x16"	1	320	0.32	26.0
8-9	28'	8"x16"	1	350	0.35	28.0
8-10	30'	8"x16"	1	380	0.38	30.0
8-11	32'	8"x16"	1	410	0.41	32.0
8-12	34'	8"x16"	1	440	0.44	34.0
8-13	36'	8"x16"	1	470	0.47	36.0
8-14	38'	8"x16"	1	500	0.50	38.0
8-15	40'	8"x16"	1	530	0.53	40.0
8-16	42'	8"x16"	1	560	0.56	42.0
8-17	44'	8"x16"	1	590	0.59	44.0
8-18	46'	8"x16"	1	620	0.62	46.0
8-19	48'	8"x16"	1	650	0.65	48.0
8-20	50'	8"x16"	1	680	0.68	50.0
8-21	52'	8"x16"	1	710	0.71	52.0
8-22	54'	8"x16"	1	740	0.74	54.0
8-23	56'	8"x16"	1	770	0.77	56.0
8-24	58'	8"x16"	1	800	0.80	58.0
8-25	60'	8"x16"	1	830	0.83	60.0
8-26	62'	8"x16"	1	860	0.86	62.0
8-27	64'	8"x16"	1	890	0.89	64.0
8-28	66'	8"x16"	1	920	0.92	66.0
8-29	68'	8"x16"	1	950	0.95	68.0
8-30	70'	8"x16"	1	980	0.98	70.0
8-31	72'	8"x16"	1	1010	1.01	72.0
8-32	74'	8"x16"	1	1040	1.04	74.0
8-33	76'	8"x16"	1	1070	1.07	76.0
8-34	78'	8"x16"	1	1100	1.10	78.0
8-35	80'	8"x16"	1	1130	1.13	80.0
8-36	82'	8"x16"	1	1160	1.16	82.0
8-37	84'	8"x16"	1	1190	1.19	84.0
8-38	86'	8"x16"	1	1220	1.22	86.0
8-39	88'	8"x16"	1	1250	1.25	88.0
8-40	90'	8"x16"	1	1280	1.28	90.0
8-41	92'	8"x16"	1	1310	1.31	92.0
8-42	94'	8"x16"	1	1340	1.34	94.0
8-43	96'	8"x16"	1	1370	1.37	96.0
8-44	98'	8"x16"	1	1400	1.40	98.0
8-45	100'	8"x16"	1	1430	1.43	100.0

Total Allowable Superimposed Load - Pounds Per Linear Foot						
Mark No.	Clear Span	Unit Size	Fitted		Fitted	
			(1) 1" TAB	(1) 1 1/2" TAB	(1) 1" TAB	(1) 1 1/2" TAB
8-1	12'	8"x16"	1091	1313	1091	1313
8-2	14'	8"x16"	1451	1673	1451	1673
8-3	16'	8"x16"	1811	2033	1811	2033
8-4	18'	8"x16"	2171	2393	2171	2393
8-5	20'	8"x16"	2531	2753	2531	2753
8-6	22'	8"x16"	2891	3113	2891	3113
8-7	24'	8"x16"	3251	3473	3251	3473
8-8	26'	8"x16"	3611	3833	3611	3833
8-9	28'	8"x16"	3971	4193	3971	4193
8-10	30'	8"x16"	4331	4553	4331	4553
8-11	32'	8"x16"	4691	4913	4691	4913
8-12	34'	8"x16"	5051	5273	5051	5273
8-13	36'	8"x16"	5411	5633	5411	5633
8-14	38'	8"x16"	5771	5993	5771	5993
8-15	40'	8"x16"	6131	6353	6131	6353
8-16	42'	8"x16"	6491	6713	6491	6713
8-17	44'	8"x16"	6851	7073	6851	7073
8-18	46'	8"x16"	7211	7433	7211	7433
8-19	48'	8"x16"	7571	7793	7571	7793
8-20	50'	8"x16"	7931	8153	7931	8153
8-21	52'	8"x16"	8291	8513	8291	8513
8-22	54'	8"x16"	8651	8873	8651	8873
8-23	56'	8"x16"	9011	9233	9011	9233
8-24	58'	8"x16"	9371	9593	9371	9593
8-25	60'	8"x16"	9731	9953	9731	9953
8-26	62'	8"x16"	10091	10313	10091	10313
8-27	64'	8"x16"	10451	10673	10451	10673
8-28	66'	8"x16"	10811	11033	10811	11033
8-29	68'	8"x16"	11171	11393	11171	11393
8-30	70'	8"x16"	11531	11753	11531	11753
8-31	72'	8"x16"	11891	12113	11891	12113
8-32	74'	8"x16"	12251	12473	12251	12473
8-33	76'	8"x16"	12611	12833	12611	12833
8-34	78'	8"x16"	12971	13193	12971	13193
8-35	80'	8"x16"	13331	13553	13331	13553
8-36	82'	8"x16"	13691	13913	13691	13913
8-37	84'	8"x16"	14051	14273	14051	14273
8-38	86'	8"x16"	14411	14633	14411	14633
8-39	88'	8"x16"	14771	14993	14771	14993
8-40	90'	8"x16"	15131	15353	15131	15353
8-41	92'	8"x16"	15491	15713	15491	15713
8-42	94'	8"x16"	15851	16073	15851	16073
8-43	96'	8"x16"	16211	16433	16211	16433
8-44	98'	8"x16"	16571	16793	16571	16793
8-45	100'	8"x16"	16931	17153	16931	17153