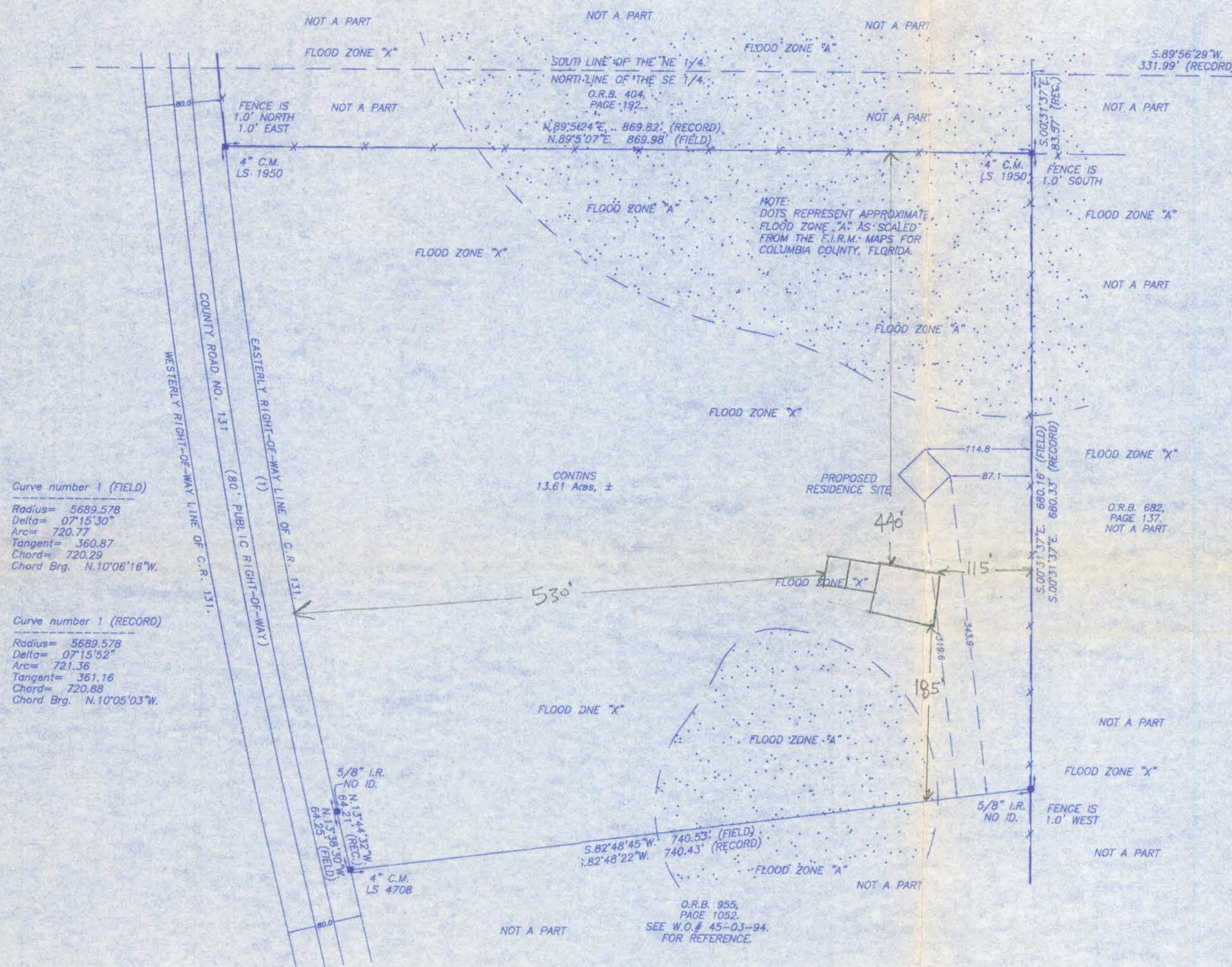


BOUNDARY SURVEY
IN SECTION 30,
TOWNSHIP 6 SOUTH,
RANGE 17 EAST,
COLUMBIA COUNTY, FLA.



DESCRIPTION:
A PART OF THE NE 1/4 OF THE SE 1/4 OF SECTION 30, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NE CORNER OF THE NE 1/4 OF THE SE 1/4 OF SAID SECTION 30 AND RUN THENCE S.89°56'29\"/>

DESCRIBED LANDS BEING THE SAME AS THOSE LANDS DESCRIBED IN O.R.B. 905, PAGE 2154 OF THE OFFICIAL RECORDS OF COLUMBIA COUNTY, FLORIDA.

SURVEYOR'S NOTES:

1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF DEED OF RECORD.
2. BEARINGS BASED ON DEED OF RECORDS USING MONUMENTATION FOUND FOR THE EAST LINE THEREOF.
3. SOME PORTIONS OF THIS PARCEL ARE IN ZONE \"A\" AND MAY BE SUBJECT TO FLOODING AND SOME PORTIONS OF THIS PARCEL ARE IN ZONE \"X\" AND ARE DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD AS PER FLOOD INSURANCE RATE MAP, DATED JANUARY 6, 1988, COMMUNITY PANEL NO. 1220070 0260 B.
4. NO EASEMENT FOR UTILITY AND/OR DRAINAGE IS SHOWN ON THIS LOT ACCORDING TO DEED OF RECORD.
5. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
6. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
7. \"NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.\"
8. CLOSURE OF FIELD SURVEY IS BETTER THAN 1/10,000.
9. CERTIFIED TO:

RONALD W. AND LAUREL N. BIRD

SYMBOL LEGEND

- CONCRETE MONUMENT FOUND
- CONCRETE MONUMENT SET, LS 4708
- IRON PIN OR PIPE FOUND
- 5/8\"/>

MARK D. DUREN, P.S.M.
LS 4708

RT. 18 BOX 555
SISTERS WELCOME ROAD
LAKE CITY, FLA. 32025
(386) 758-9831 OFFICE
(386) 758-8010 FAX

FIELD SURVEY DATE JANUARY 5, 2003
DATE DRAWN JANUARY 8, 2003
FOR BIRD

FIELD BOOK 132 PAGE 78
DRAWN BY BRANDON STUBBS

WO# 04-001

SIGNED: *[Signature]*
MARK D. DUREN, LS 4708

Office copy

NOTE: THE CONTRACTOR IS DIRECTED TO REVIEW ALL CONSTRUCTION DRAWINGS & SPECIFICATIONS FOR ACCURACY & COMPLETENESS. ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION & CLARIFICATION. CONTRACTOR SHALL CONFIRM ALL EXISTING SOIL & ANY OTHER CONDITIONS OF WHICH MAY AFFECT / EFFECT THE STRUCTURAL INTEGRITY OF THIS PROJECT.

SCALE NOTE:
ELEVATIONS: 3/16"=1'-0"

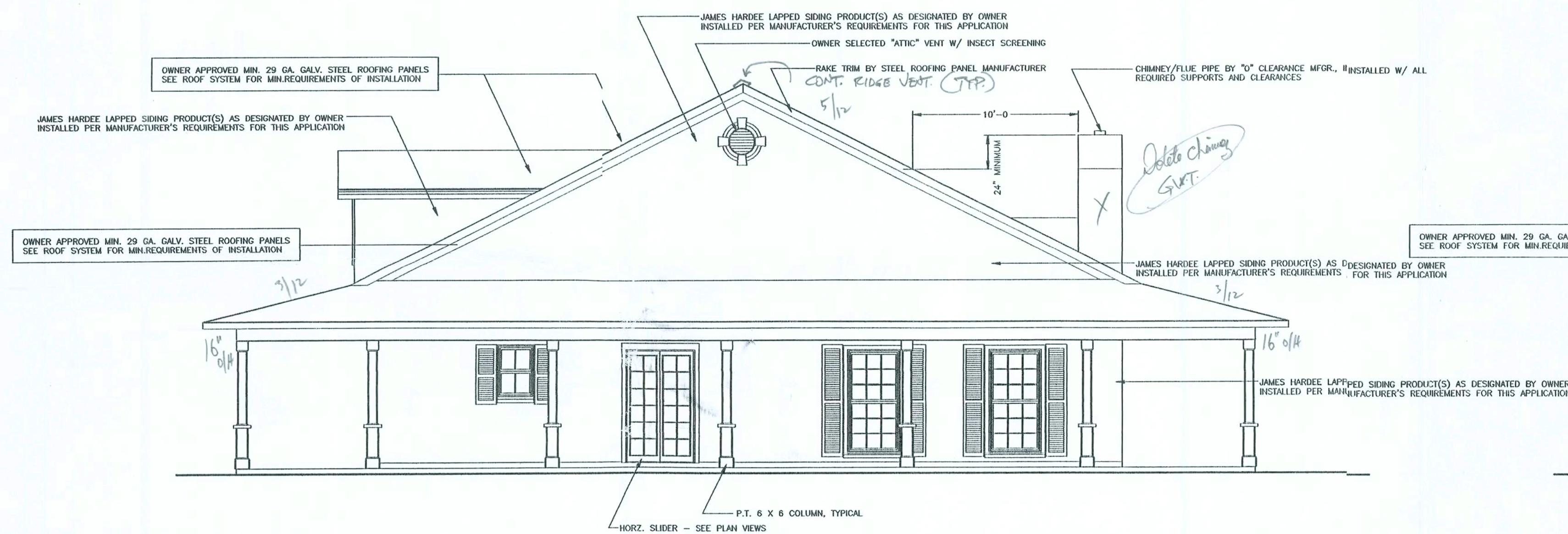
GROSS CONDITIONED AREA	2728.00 S.F.
PORCHES	1484.00 S.F.
GARAGE	624.00 S.F.
CARPORT	576.00 S.F.
TOTAL GROSS CONSTRUCTED	5412.00 S.F.

OWNER SELECTED DOORS AND WINDOWS SHALL COMPLY W/ ALL APPLICABLE FLORIDA BUILDING CODES, INCLUDING THE FLORIDA ENERGY EFFICIENCY CODE.

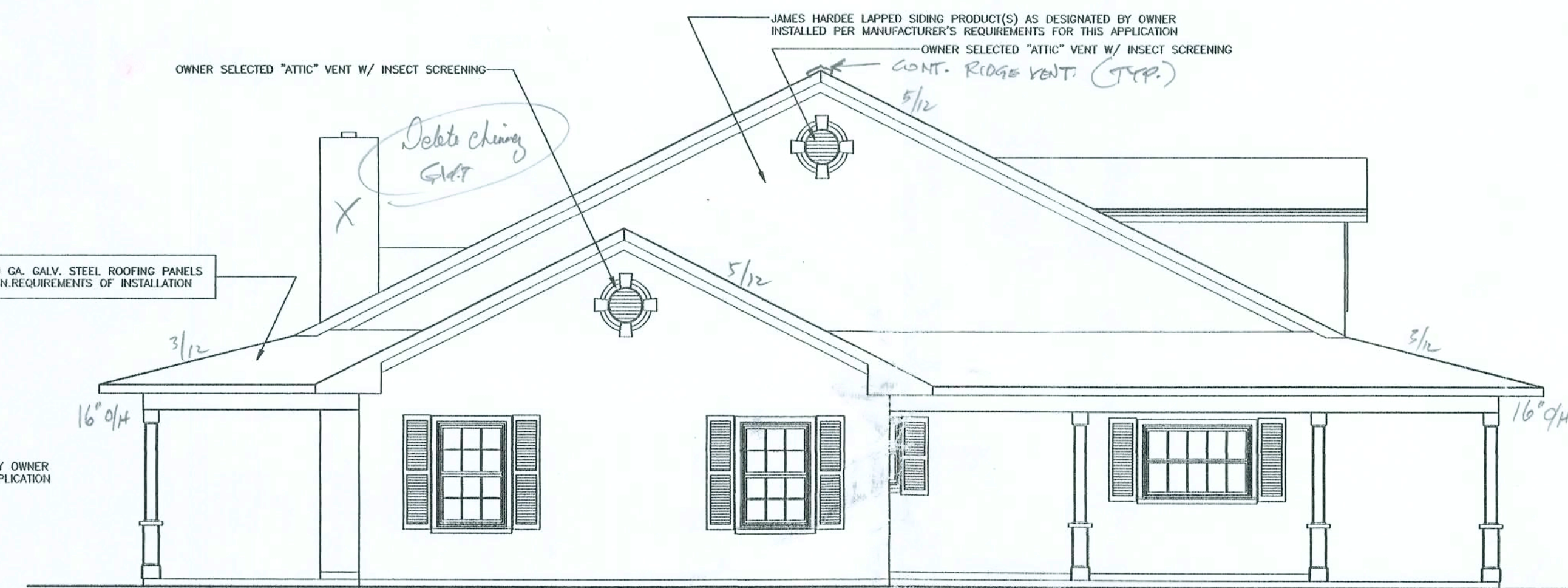
OWNER APPROVED MIN. 29 GA. GALV. STEEL ROOFING PANELS
SEE ROOF SYSTEM FOR MIN. REQUIREMENTS OF INSTALLATION



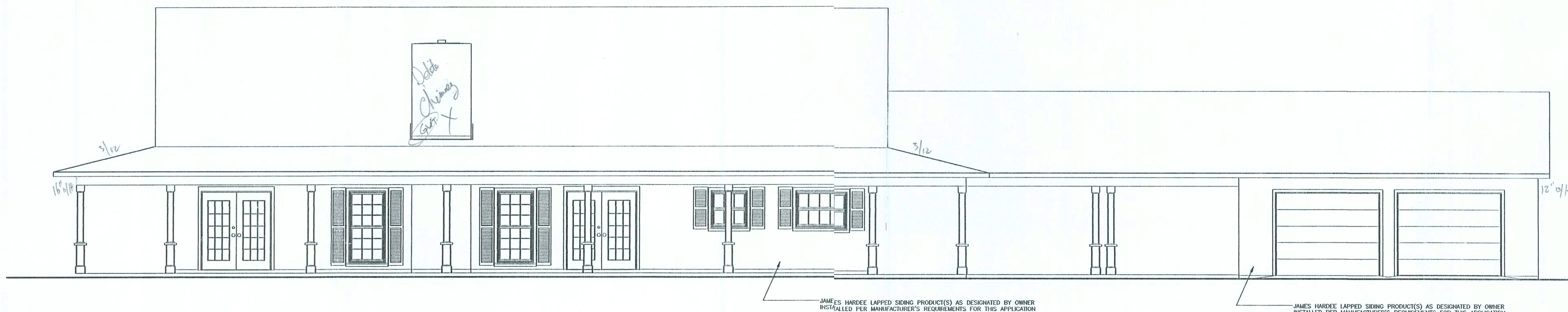
1 FRONT EXTERIOR FINISHED SIDEWALL
A3.0.0 SIDEWALL



2 EXTERIOR FINISHED ENDWALL
A3.0.0 ENDWALL



3 EXTERIOR FINISHED ENDWALL
A3.0.0 ENDWALL



4 REAR EXTERIOR FINISHED SIDEWALL
A3.0.0 SIDEWALL

CERTIFICATION:
THESE PLANS FOR THE BIRD RESIDENCE WILL COMPLY
WITH SECTION 1600 OF THE FLORIDA BUILDING CODE, 2004
EDITION FOR A 110 MPH WIND LOAD, 3 SECOND GUST,
EXPOSURE B, WITH THE INTERNAL PRESSURE OF + 0.18 AND
- 0.18 INCLUDED IN THESE LOADS.

COMPONENTS/CLADDING ROOF = - 42.02 PSF
+ 12.53 PSF
COMPONENTS/CLADDING WALLS = - 18.60 PSF
+ 16.42 PSF

Curtis E. Keen 3/1/06
CURTIS E. KEEN, PE #23836

NOTE: THE CONTRACTOR IS DIRECTED TO REVIEW ALL CONSTRUCTION DRAWINGS & SPECIFICATIONS FOR ACCURACY & COMPLETENESS. ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION & CLARIFICATION. CONTRACTOR SHALL CONFIRM ALL EXISTING SOIL & ANY OTHER CONDITIONS OF WHICH MAY AFFECT / EFFECT THE STRUCTURAL INTEGRITY OF THIS PROJECT.

SCALE NOTE:
PLAN VIEW: 3/16"=1'-0"

NOTE: ALL PAINTED WALL SURFACES TO BE SEMI-GLOSS - 3 COATS - CONTRACTOR SELECTED MANUFACTURER W/ OWNER APPROVED COLOR
ALL FINISHES SHALL BE VERIFIED AND SUBMITTED & APPROVED BY OWNER PRIOR TO INSTALLATION OR FABRICATION
ALL FINISH MATERIAL SHALL MEET THE MINIMUM STANDARDS OF S.B.C.C.I. FOR NEW CONSTRUCTION

CONTRACTOR SELECTED, OWNER APPROVED "0" CLEARANCE FIREPLACE UNIT. SELECTED UNIT SHALL COMPLY W/ ALL APPLICABLE STATUTES AND REGULATIONS INCLUDING THE FLORIDA RESIDENTIAL ENERGY COMPLIANCE. SELECTED UNIT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS FOR THIS SPECIFIC APPLICATION & SHALL INCLUDE OUTSIDE COMBUSTION AIR AND ELECTRICAL REQUIREMENTS FOR FORCED AIR FANS(S). HEARTH, MANTLE AND DECORATIVE ELEMENTS OR ATTACHMENTS SHALL BE AT THE DIRECTION OF THE OWNER.

36" JETTES, PRAPNE - 36,000 BTU

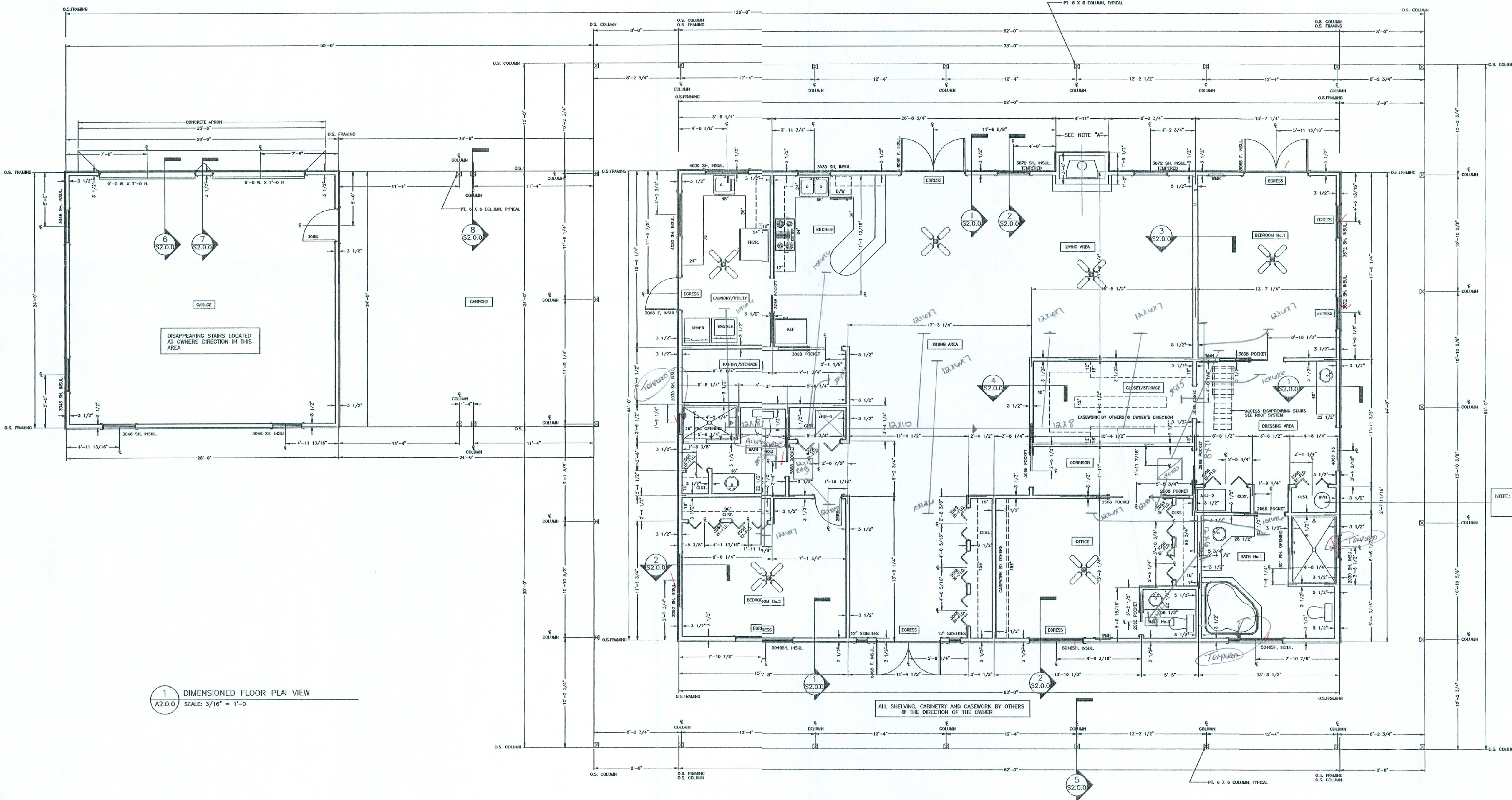
GENERAL:

ALL STRUCTURAL MATERIAL MUST SATISFY THE MINIMUM REQUIREMENTS OF THE STANDARD BUILDING CODE AS REFERENCED TO PERMANENT GRADES(S) IN DESIGN DATA.
ALL WOOD EXPOSED TO WEATHER SHALL BE PRESURE TREATED OR RECEIVE A MANUALLY APPLIED PRESERVATIVE OR COATING.
ALL FASTENERS EXPOSED TO WEATHER TO BE HOT - DIPPED GALVANIZED.
ALL WOOD IN CONTACT WITH MASONRY SURFACES OR SOIL TO BE PRESURE TREATED.
ALL CONSTRUCTION MATERIALS AND INSTALLATION OF SAME MUST SATISFY THE MINIMUM REQUIREMENTS FOR RESIDENTIAL PRESCRIPTIVE COMPLIANCE OF THE FLORIDA ENERGY EFFICIENCY CODE.
SUBGRADE TO BE CLEARED AND GRUBBED TO A 5'-0" MINIMUM BEYOND THE BUILDING OUTLINE. THE EXPOSED AREA IS TO BE CLEARED OF ALL ORGANIC MATERIAL AND COMPACTED TO 95% OF THE MOISTURE PROCTOR AND OPTIMUM MOISTURE. ANY FILL MUST BE SUITABLE, CLEAN, GRANULAR SOIL, PLACED IN LIFTS NO GREATER THAN ONE FOOT AND COMPACTED AS PREVIOUSLY DESCRIBED.
ALL GLAZING PANELS OF LESS THAN 10 SQUARE FEET TO BE MIN. 1/8" THICK. PANELS GREATER THAN 10 SQUARE FEET TO BE EACH SLEEP ROOM TO BE EQUIPPED WITH AT LEAST ONE EMERGENCY EGRESS WINDOW OF NOT LESS THAN 5.7 SQUARE FEET CLEAR OPENING WITH A MINIMUM SILL HEIGHT OF 44" W/ A CLEAR WIDTH OF 20" & A CLEAR HEIGHT OF 24". ALL OWNER SELECTED WINDOWS TO MEET THE TEMPERED REQUIREMENTS OF THE MOST CURRENT EDITION OF THE FLORIDA BUILDING CODE.

GROSS CONDITIONED AREA	2728.00 S.F.
PORCHES	1484.00 S.F.
GARAGE	624.00 S.F.
CARPORT	576.00 S.F.
TOTAL GROSS CONSTRUCTED	5412.00 S.F.

OWNER SELECTED DOORS AND WINDOWS SHALL COMPLY W/ ALL APPLICABLE FLORIDA BUILDING CODES, INCLUDING THE FLORIDA ENERGY EFFICIENCY CODE.

3 1/2 ton General living area
1 1/2 ton Master suit + office area



1 DIMENSIONED FLOOR PLAN VIEW
SCALE: 3/16" = 1'-0"

NOTE: OWNER REQUESTED "BRINNA" WATER HEATING SYSTEM - CONSULT SPECIFIC MODEL & MFG. FOR REQUIREMENTS

ALL SHELVING, CABINETS AND CASEWORK BY OTHERS
@ THE DIRECTION OF THE OWNER

02/16/06
LIVE OAK, FLORIDA 32060
386-362-4787
ENG. LIC. EB 3761

KEEN ENGINEERING
& SURVEYING, INC.

RONALD AND LAUREL BIRD RESIDENCE
COLUMBIA COUNTY, FLORIDA

DIMENSIONED FLOOR PLAN VIEW
MISC. NOTES, REFERENCES & INSTRUCTIONS

PROJECT NO.
BIO-200.000
SHEET NO.
A2.0.0
DATE
02/16/06

NOTE: THE CONTRACTOR IS DIRECTED TO REVIEW ALL CONSTRUCTION DRAWINGS & SPECIFICATIONS FOR ACCURACY & COMPLETENESS. ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION & CLASSIFICATION. CONTRACTOR SHALL CONFIRM ALL EXISTING SOIL & ANY OTHER CONDITIONS OF WHICH MAY AFFECT / EFFECT THE STRUCTURAL INTEGRITY OF THIS PROJECT.

SCALE NOTE:
PLAN VIEW: 3/16"=1'-0"

CONTRACTOR SELECTED, OWNER APPROVED "0" CLEARANCE FIREPLACE UNIT. SELECTED UNIT SHALL COMPLY W/ ALL APPLICABLE STATUTES AND REGULATIONS INCLUDING THE FLORIDA RESIDENTIAL ENERGY COMPLIANCE. SELECTED UNIT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS FOR THIS SPECIFIC APPLICATION & SHALL INCLUDE OUTSIDE COMBUSTION AIR AND ELECTRICAL REQUIREMENTS FOR FORCED AIR FAN(S). HEARTH, MANTLE AND DECORATIVE ELEMENTS OR ATTACHMENTS SHALL BE AT THE DIRECTION OF THE OWNER.

3/0 THW, CU
1-1/2" CONDUIT

1 - #4 BARE
TO GROUND

200 A
120 / 240
1 - ϕ

ELECTRICAL RISER

LOCATE ELECTRIC PANEL AT OWNERS DIRECTION

ELECTRICAL FIXTURE SYMBOLS

- FLUORESCENT STRIP FIXTURE, SURFACE MOUNTED
- WALL BRACKET FLUORESCENT, SURFACE MOUNTED
- WALL BRACKET MOUNTED INCANDESCENT OR HID FIXTURE
- RECESSED DOWNLIGHT OR SURFACE MOUNTED FIXTURE
- RECESSED DOWNLIGHT OR SURFACE MOUNTED FIXTURE - DAMP LOCATION RATED
- RECESSED DOWNLIGHT OR SURFACE MOUNTED FIXTURE - WET LOCATION RATED
- EXTERIOR FLOOD LIGHTING: LOCATIONS & SWITCHES @ OWNER'S DIRECTION
- GROUND MOUNTED FLOOD OR DIRECTIONAL DOWNLIGHT LOW VOLTAGE SYSTEM @ THE DIRECTION OF THE OWNER
- EXHAUST FAN: OWNER APPROVED PROVIDING A MIN. OF 140 CFM
- EXHAUST FAN: OWNER APPROVED PROVIDING A MIN. OF 46 CFM
- EXHAUST FAN: OWNER APPROVED PROVIDING A MIN. OF 288 CFM
- DUPLEX RECEPTACLE, WALL MOUNTED 18" A.F.F. UNLESS OTHERWISE NOTED
- DUPLEX RECEPTACLE, WALL MOUNTED 18" A.F.F. WEATHERPROOF BOX / CONNECTION
- DUPLEX RECEPTACLE W/ GROUND FAULT CIRCUIT INTERRUPTER, WALL MOUNTED
- DUPLEX RECEPTACLE W/ GROUND FAULT CIRCUIT INTERRUPTER, FLOOR MOUNTED
- 220 RECEPTACLE / CONNECTION - SEE PLANS
- TELEPHONE OUTLET WALL MOUNTED 18" A.F.F. NOTE: LOCATE @ OWNER'S DIRECTION
- TELEPHONE DATA OUTLET, WALL MOUNTED 18" A.F.F. UNLESS OTHERWISE INDICATED NOTE: LOCATE @ OWNER'S DIRECTION
- TELEVISION COAXIAL OUTLET 18" A.F.F. EXTEND 3/4" TO TELEVISION BACKBOARD NOTE: LOCATE @ OWNER'S DIRECTION
- SINGLE POLE TOGGLE SWITCH MOUNTED @ 48" A.F.F.
- SINGLE POLE DIMMER SWITCH WALL MOUNTED 48" A.F.F.
- THREE-WAY TOGGLE SWITCH
- SINGLE POLE MOTOR RATED TOGGLE SWITCH
- FLUSH MOUNTED 220/120 PANEL TOP @ 6'-0" A.F.F. - LOCATE @ OWNER'S DIRECTION
- JUNCTION BOX
- DISCONNECT SWITCH: SIZE AS NOTED
- OWNER SELECTED CEILING FAN W/ OPTIONAL LIGHT KIT @ OWNER SELECTED LOCATIONS
- WALL MOUNTED HEATER - OWNER SELECTED MAKE & MFG. - CONTRACTOR INSTALLED
- SMOKE DETECTOR: CEILING MOUNTED UNLESS OTHERWISE NOTED LOCATION(S) TO BE CONFIRMED BY FIRE MARSHALL

NOTES:

ELECTRICAL CONTRACTOR SHALL EXECUTE THE FOLLOWING REQUIREMENTS:
ALL EXPOSED ELECTRICAL SERVICE TO ITEMS INDICATED ON THE PLAN VIEW SHALL BE IN APPROPRIATELY SIZED RIGID CONDUIT PER THE LATEST EDITION OF THE N.E.C.
ALL LIGHTING SWITCHES NOT INDICATED BY LOCATION @ THE DIRECTION OF THE OWNER. SWITCHES & INDIVIDUAL LIGHTING MAY BE RELOCATED AT THE DIRECTION OF THE OWNER.
SEE MECHANICAL PLAN VIEW & REQUIREMENTS FOR ADDITIONAL INFORMATION NOT PROVIDED HERE
ALL WORK SHALL BE IN ACCORDANCE W/ THE LATEST EDITION OF THE F.E.C.

CONTRACTOR TO PROVIDE VERTICAL DUCTING FROM FIRST LEVEL BATH(S) VENTING VERTICALLY, TO COMPLY W/ ALL APPLICABLE CODES, AND VENT THROUGH ROOF. CONTRACTOR TO ENSURE THAT ALL VERTICAL DUCTS TO BE BAFFLED AGAINST SIGHT AND SOUND TRANSMISSION.

NOTE: OWNER REQUESTED "RINNAI" WATER HEATING SYSTEM - CONSULT SPECIFIC MODEL & MFG. FOR REQUIREMENTS

ALL SMOKE DETECTORS SHALL BE 120 VOLT WITH BATTERY BACKUP OF THE PHOTOELECTRIC TYPE AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS ON SEPARATE CIRCUIT TO THE MAIN DISTRIBUTION PANEL.

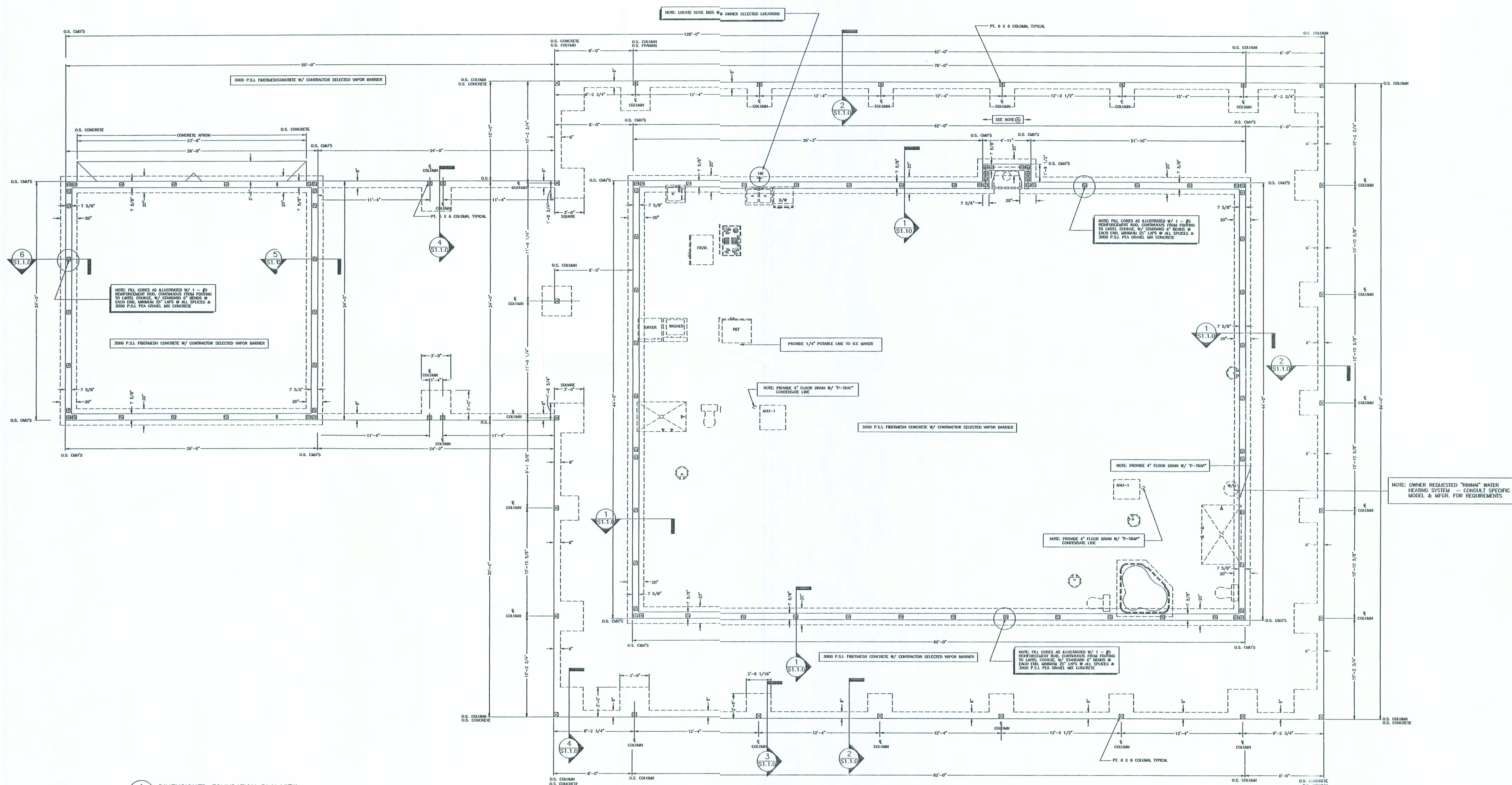
ALL BEDROOM RECEPTACLES TO BE ARC FAULT INTERRUPTER CIRCUIT.

1 ELECTRICAL PLAN '1EW
E2.0.0 SCALE: 3/16" = 1'-0"

NOTE: THE CONTRACTOR IS DIRECTED TO REVIEW ALL CONSTRUCTION DRAWINGS & SPECIFICATIONS FOR ACCURACY & COMPLETENESS. ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION & CLARIFICATION. CONTRACTOR SHALL CONFIRM ALL EXISTING SOIL & ANY OTHER CONDITIONS OF WHICH MAY AFFECT / EFFECT THE STRUCTURAL INTEGRITY OF THIS PROJECT.

SCALE NOTE:
PLAN VIEW: 3/16"=1'-0"

CONTRACTOR SELECTED, OWNER APPROVED "0" CLEARANCE FIREPLACE UNIT. SELECTED UNIT SHALL COMPLY W/ ALL APPLICABLE STATUTES AND REGULATIONS INCLUDING THE FLORIDA RESIDENTIAL ENERGY COMPLIANCE. SELECTED UNIT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS FOR THIS SPECIFIC APPLICATION & SHALL INCLUDE OUTSIDE COMBUSTION AIR AND ELECTRICAL REQUIREMENTS FOR FORCED AIR FANS. HEARTH, MANTLE AND DECORATIVE ELEMENTS OR ATTACHMENTS SHALL BE AT THE DISCRETION OF THE OWNER.



1 DIMENSIONED FOUNDATION PLAN VIEW
SCALE: 3/16" = 1'-0"

PROJECT NO. SP-210.0.DWG		DRAWN BY S1.0.0		DATE 02/16/06	
DIVISIONED FOUNDATION PLAN VIEW MISC. NOTES, REFERENCES & INSTRUCTIONS					
RONALD AND LAUREL BIRD RESIDENCE COLUMBIA COUNTY, FLORIDA					
KEEN ENGINEERING & SURVEYING, INC.					
9253 CR 417 LIVE OAK, FLORIDA 32060 386-362-4757 ENG. LIC. EB 3761					

NOTE: THE CONTRACTOR IS DIRECTED TO REVIEW ALL CONSTRUCTION DRAWINGS & SPECIFICATIONS FOR ACCURACY & COMPLETENESS. ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION & CLARIFICATION. CONTRACTOR SHALL CONFIRM ALL EXISTING SOIL & ANY OTHER CONDITIONS OF WHICH MAY AFFECT / EFFECT THE STRUCTURAL INTEGRITY OF THIS PROJECT.

SCALE NOTE:
PLAN VIEW: 3/16"=1'-0"

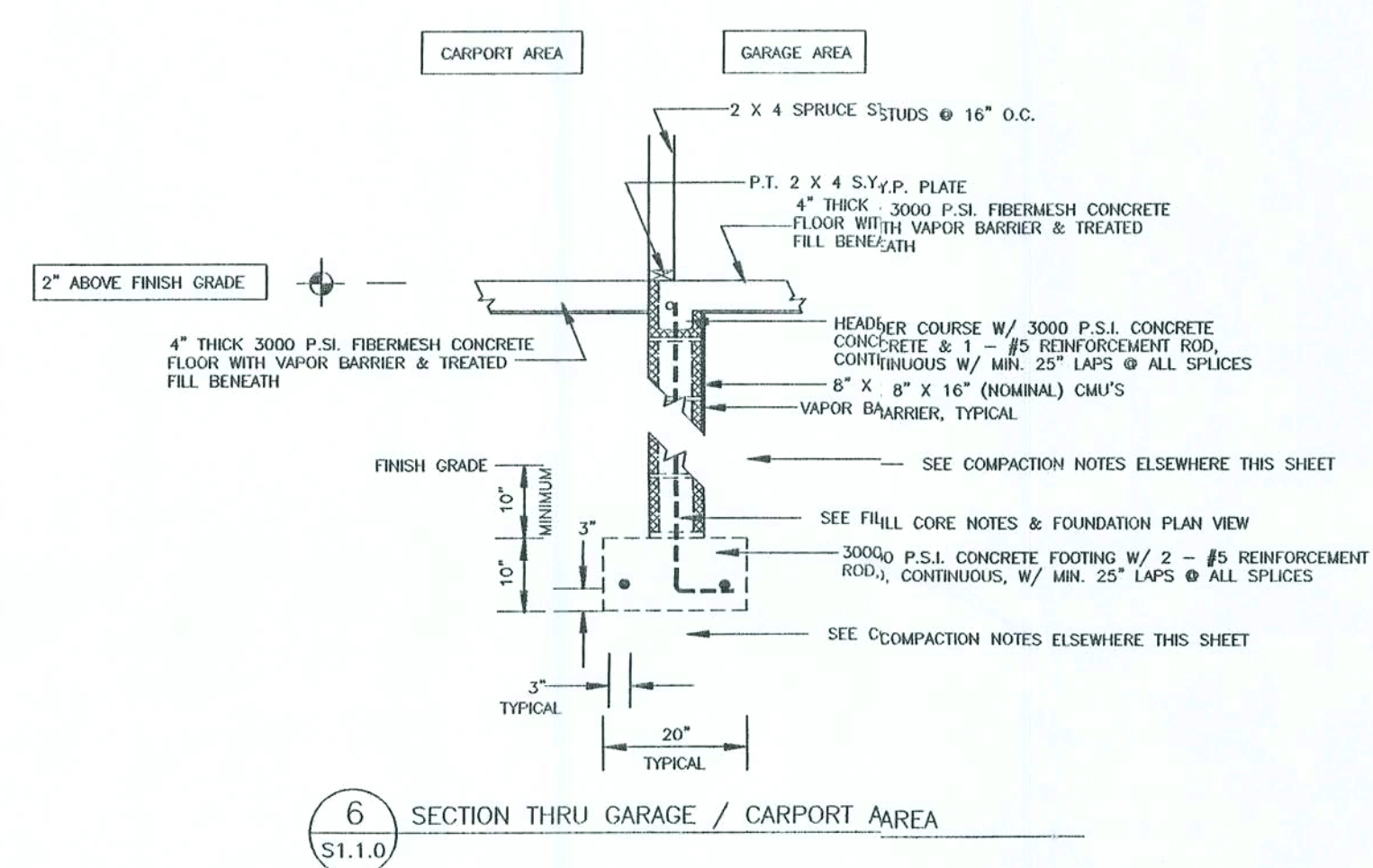
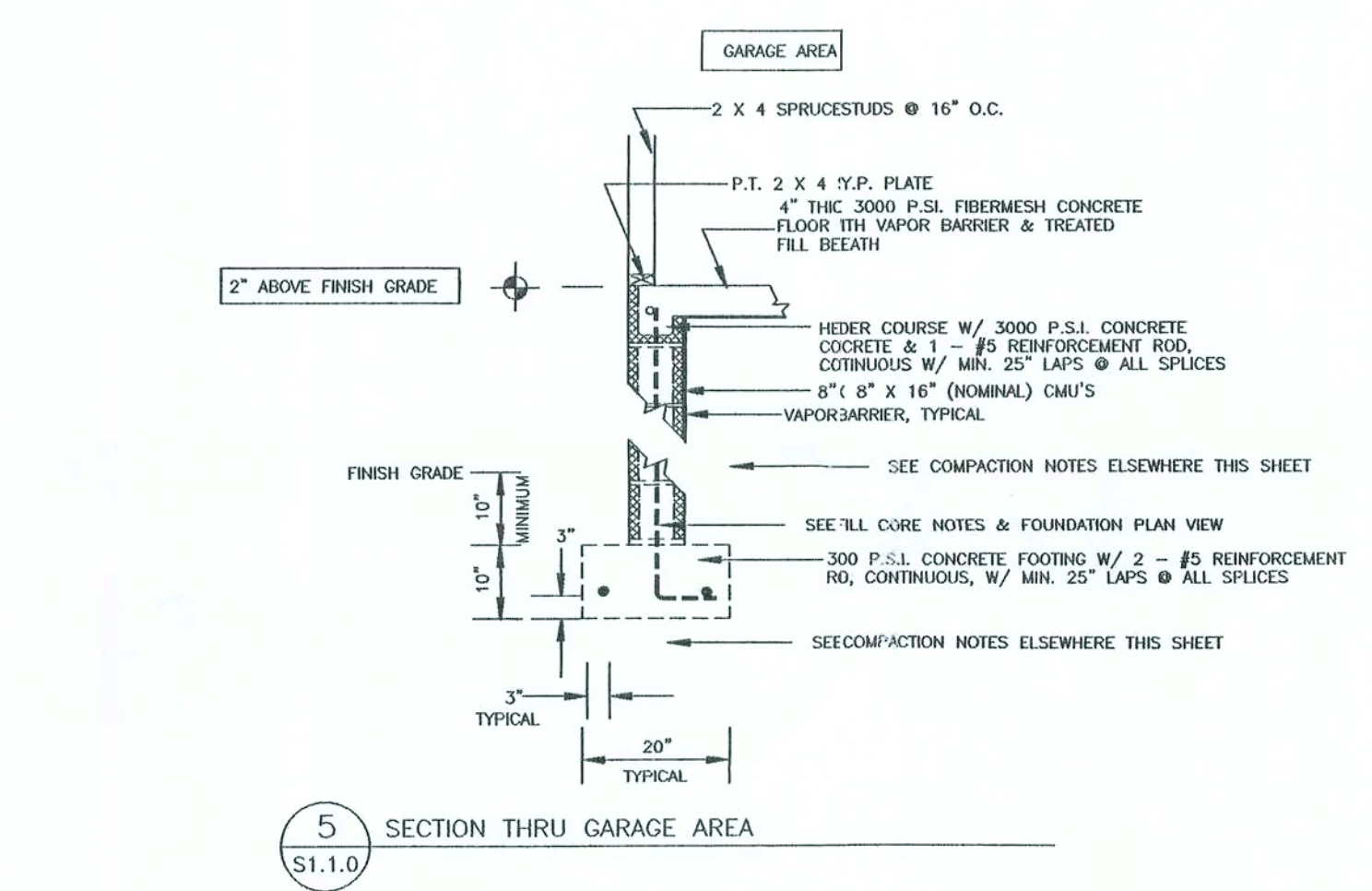
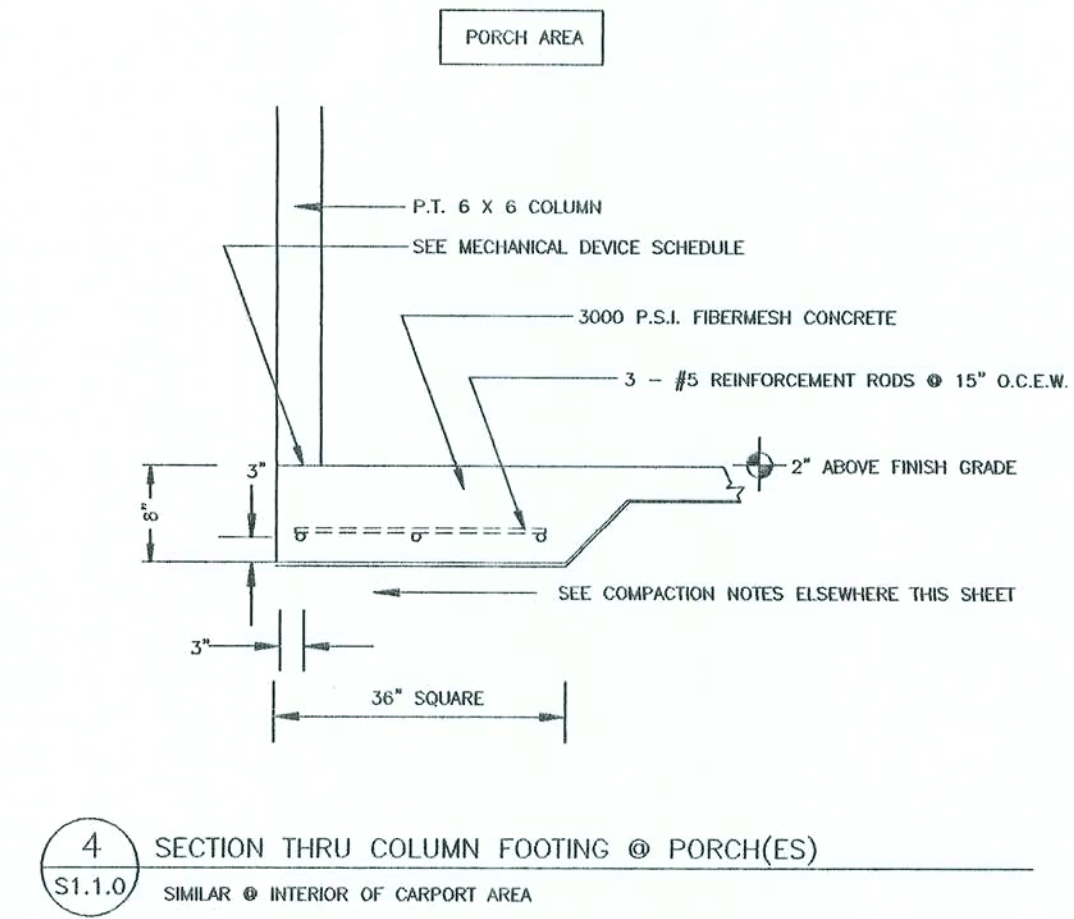
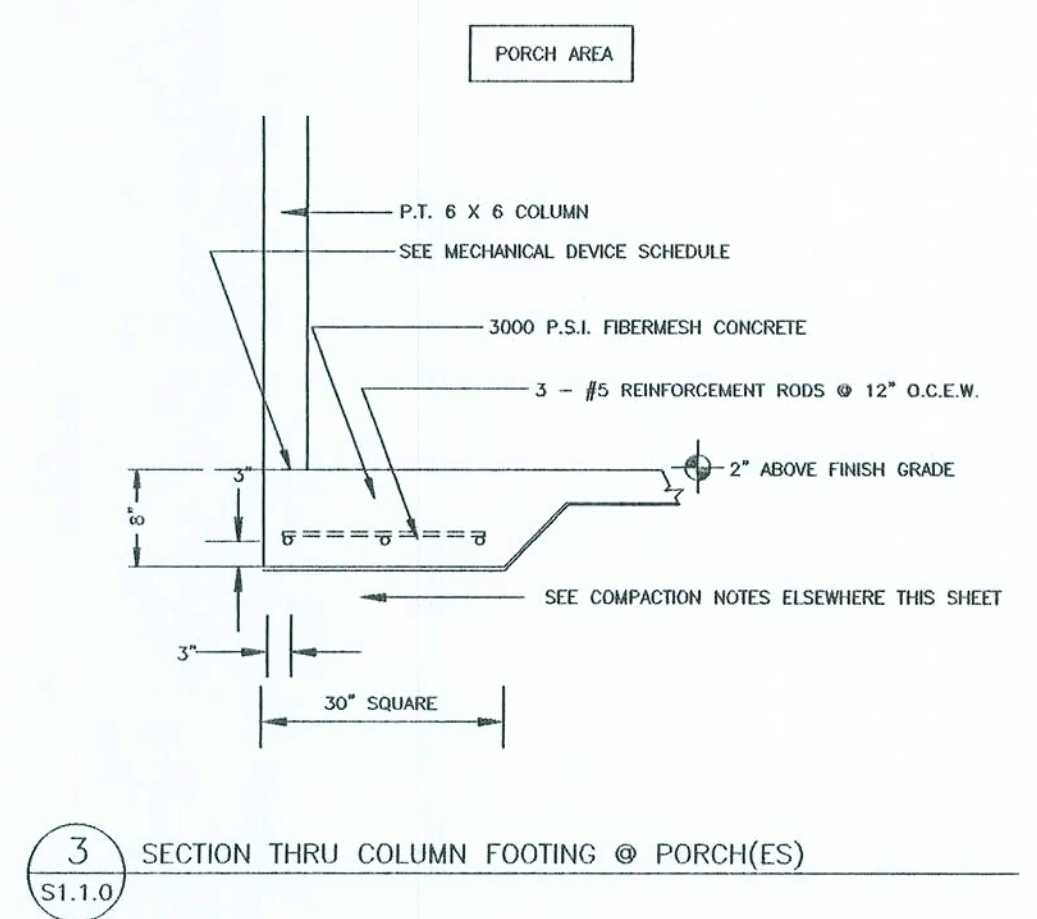
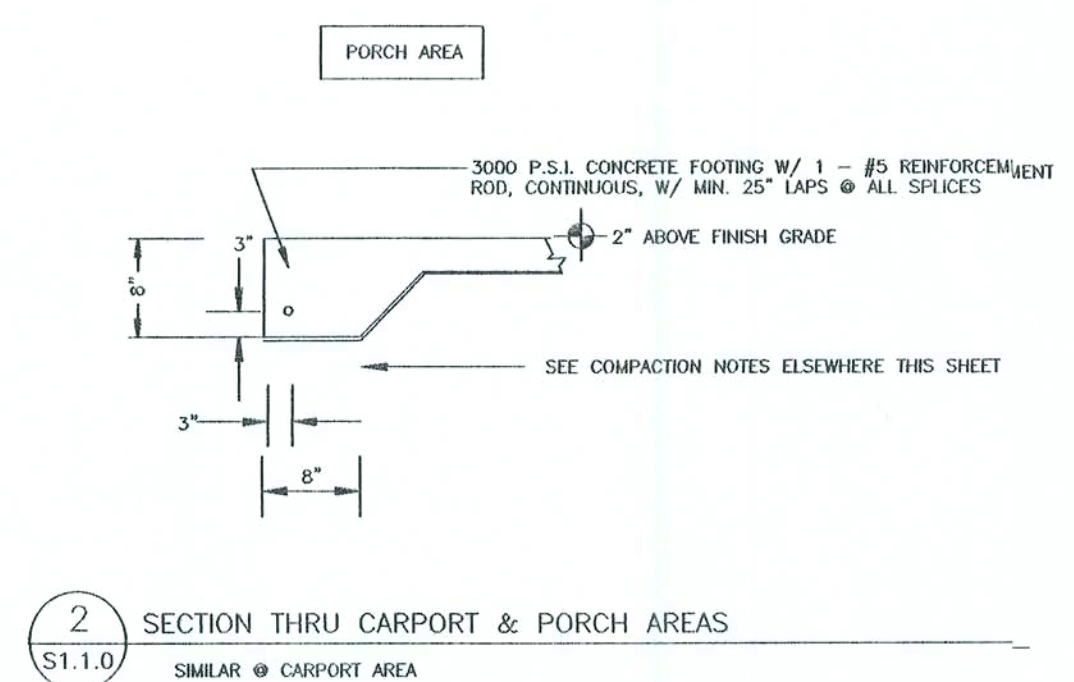
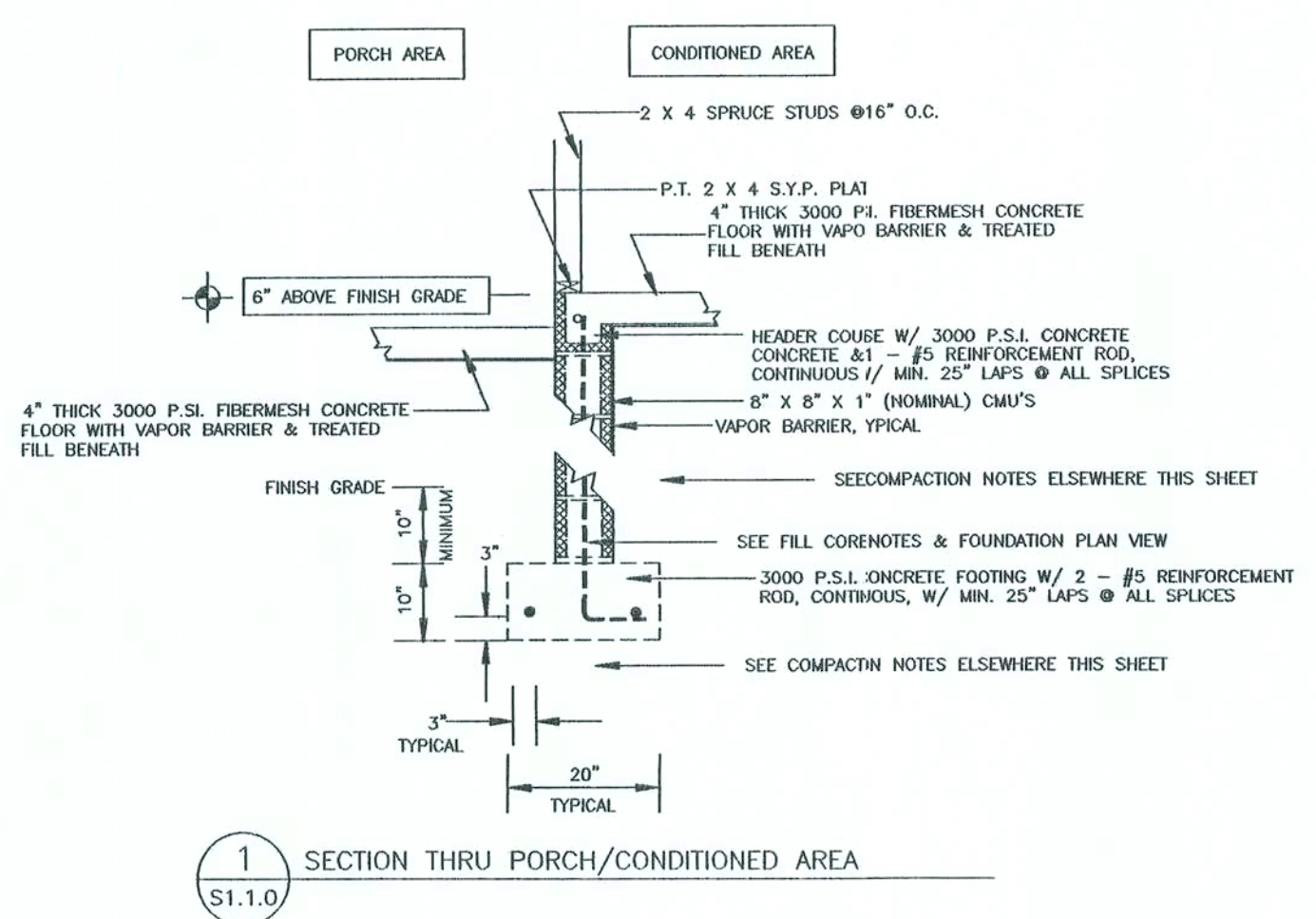
3603 CR #17
LIVE OAK, FLORIDA 32060
386-362-4787
ENG. LIC. EB 3761

KEEN ENGINEERING
& SURVEYING, INC.

RONALD AND LAUREL BIRD RESIDENCE
COLUMBIA COUNTY, FLORIDA

DEVELOPER, FOUNDATION, SECTIONS & DETAILS
MISC. NOTES, REFERENCES & INSTRUCTIONS

PROJECT No.
BIR-S1.0.0.DWG
SHEET No.
S1.0.0
DATE
02/16/06



CONTRACTOR SELECTED, OWNER APPROVED "O" CLEARANCE FIREPLACE UNIT. SELECTED UNIT SHALL COMPLY W/ ALL APPLICABLE STATUTES AND REGULATIONS INCLUDING THE FLORIDA RESIDENTIAL ENERGY COMPLIANCE. SELECTED UNIT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS FOR THIS SPECIFIC APPLICATION & SHALL INCLUDE OUTSIDE COMBUSTION AIR AND ELECTRICAL REQUIREMENTS FOR FORCED AIR FANS). HEARTH, MANTLE AND DECORATIVE ELEMENTS OR ATTACHMENTS SHALL BE AT THE DISCRETION OF THE OWNER.

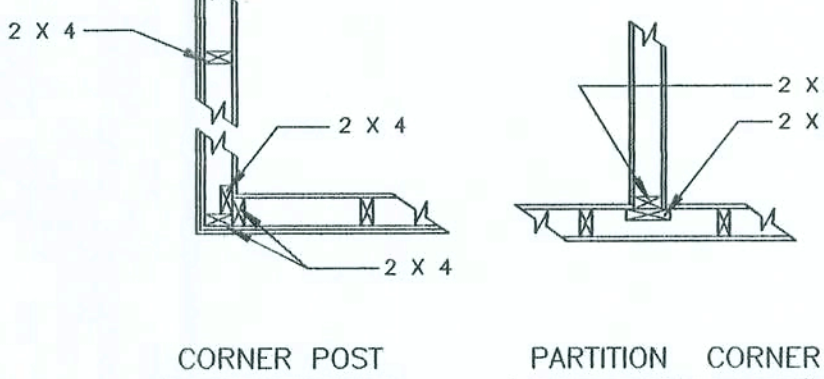
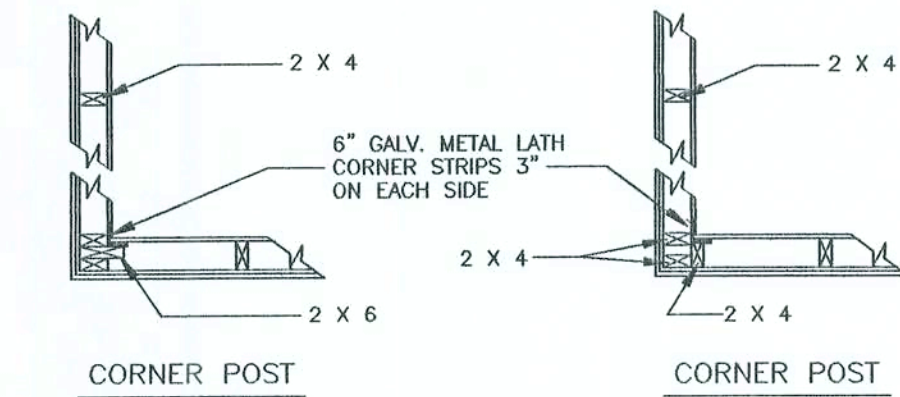
FOUNDATION NOTES, REQUIREMENTS & INSTRUCTIONS	
MASONRY UNITS	ALL MASONRY UNITS DESCRIBED AS 8" X 8" X 16" CMU'S SHALL BE HOLLOW CONCRETE UNITS IN ACCORDANCE W/ ASTM C 90 OR C 145 AND SHALL HAVE A MINIMUM NET COMPRESSIVE STRENGTH OF 1900 P.S.I. MASONRY FOUNDATION STEM WALLS SHALL BE RUNNING BOND CONSTRUCTION.
MORTAR	ALL MORTAR SHALL BE EITHER TYPE M OR S IN ACCORDANCE W/ ASTM C 270. ALL GROUT SHALL HAVE A MINIMUM GROUT AGGREGATE SIZE OF 3/8" PLACED IN AN 8 TO 11 INCH SLUMP AND HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3000 P.S.I. @ 28 DAYS WHEN TESTED IN ACCORDANCE W/ ASTM C 1019, OR SHALL BE IN ACCORDANCE W/ ASTM C 476. ALL MORTAR JOINTS FOR HOLLOW UNIT MASONRY SHALL EXTEND THE FULL WIDTH OF FACE SHELLS. ALL RED JOINTS SHALL BE 3/8 INCH THICK. HEAD JOINTS SHALL BE 3/8 INCH THICK. THE RED JOINT OF THE STARTING COURSE PLACED OVER FOOTINGS SHALL BE REINFORCED TO VARY IN THICKNESS FROM A MINIMUM OF 1/4" TO A MAXIMUM OF 3/4".
REINFORCING STEEL	REINFORCING STEEL SHALL BE #5 UNLESS OTHERWISE NOTED. ALL REINFORCING STEEL SHALL BE A MINIMUM OF GRADE 40 AND IDENTIFIED IN ACCORDANCE W/ ASTM A 615, A 616, A 617, OR A 706. SPICES SHALL BE LAP SPICES W/ A MINIMUM LAP OF 25" FOR #5 REINFORCEMENT BARS. FOR MINIMUM COVER OVER FOUNDATION REINFORCEMENT - SEE DETAILS & SECTIONS THIS SHEET. ALL REINFORCEMENT IN CMU'S IS TO EXTEND A MINIMUM OF 6" INTO ALL FOOTINGS W/ A STANDARD BEND OF 6".
METAL ACCESSORIES	ALL JOINT REINFORCEMENT & ANCHOR TIES SHALL CONFORM TO ASTM A 82, ASTM A 36, & ASTM A 366 AS REQUIRED. LONGITUDINAL WIRES OF JOINT REINFORCEMENT SHALL BE FULLY EMBEDDED IN MORTAR OR GROUT WITH A MINIMUM COVER OF 5/8 INCH WHEN EXPOSED TO EARTH OR WEATHER. AND A MINIMUM OF 1/2 INCH WHEN NOT EXPOSED TO EARTH OR WEATHER. METAL ACCESSORIES USED IN EXTERIOR WALL CONSTRUCTION (NOT DIRECTLY EXPOSED TO WEATHER) SHALL BE GALVANIZED IN ACCORDANCE W/ ASTM A 153, CLASS B-2. METAL ACCESSORIES FOR USE IN INTERIOR WALL CONSTRUCTION SHALL BE WELDED GALVANIZED IN ACCORDANCE W/ ASTM A 641, CLASS 1.
FILL COMPACTION	PRIOR TO GRADING OPERATIONS ALL SOIL, ORGANIC LITTER AND FILL SHALL BE STRIPPED FROM THE BUILDING AREA. COMPACTION SHALL NOT BE LESS THAN 90% OF THE STANDARD PROCTOR DENSITY. ALL FILL MATERIAL SHALL BE INCORPORATED W/ NOT MORE THAN 30% BY WEIGHT FINER THAN No. 200 U.S. STANDARD SIEVE CONFORMING TO THE FOLLOWING: A. LIQUID LIMIT, LL - 30, MAXIMUM B. PLASTICITY INDEX, PI - 15, MAXIMUM C. DRY UNIT WEIGHT - 100 LBS. PER CU. FT. ALL FILL MATERIAL SHALL BE UNIFORMLY PLACED AT OPTIMUM MOISTURE CONTENT IN 6 INCH UNIFORM LAYERS AND COMPACTED TO A DENSITY OF 90% OF THE STANDARD PROCTOR AND IN ACCORDANCE W/ ASTM D 6801. FOOTING EXCAVATIONS SHALL BE INSPECTED BEFORE PLACING ANY CONCRETE TO ENSURE THAT FOOTINGS SHALL REST ON SOUND EARTH. ALL SUB GRADES MUST BE LEVEL, SMOOTH AND UNIFORMLY COMPACTED. SUB GRADE MUST BE ACCURATE WITHIN 1/4 INCH OF THE DESIGNATED LEVEL. ANY WALL WHICH IS TO RECEIVE BACK FILL ON BOTH SIDES SHALL HAVE THE BACK FILL PLACED SIMULTANEOUSLY ON BOTH SIDES IN EVEN LAYERS AS PREVIOUSLY DESCRIBED SO AS NOT TO APPLY UNIFORM LOADS.
GENERAL	FOOTINGS SHALL BE LEVEL OR STEPPED AS INDICATED ON THE PLAN VIEWS & DETAILED ELSEWHERE THIS SHEET. SOIL, WASTE PIPES OR BUILDING DRAINS PASSING UNDER A FOOTING OR THROUGH A FOUNDATION STEM WALL SHALL BE PROVIDED W/ A RELIEVING ARCH OR AN IRON PIPE SLEEVE. A MINIMUM OF TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH. STEM WALLS SHALL EXTEND NO GREATER THAN 3 FEET ABOVE THE FINISH GRADE AND CONSTRUCTED WITH THE PREVIOUSLY DESCRIBED MASONRY UNITS. ALL STATE & LOCAL CODES SHALL BE COMPLIED WITH BY THE CONTRACTOR. 3000 P.S.I. SOIL BEARING PRESSURE SHALL BE OBTAINED UNDER ALL FOOTINGS & SLABS.

SCHEDULE OF REQUIRED FOUNDATION SYSTEM MECHANICAL FASTENERS	
EXTERIOR WALLS	LOCATION OF 1/2" A307 ANCHOR BOLTS: SEE PLAN VIEWS 1 - 1/2" A307 STEEL ANCHOR BOLT SHALL BE INSTALLED @ 6" FROM ALL CORNERS, THE BEGINNING OR END OF ALL SHEARWALL SEGMENTS & AND 6'-0 O.C. MAXIMUM @ THE PERIMETER EXTERIOR CONDITIONED WALL(S) REFER TO REFERENCED SECTIONS & DETAILS COORDINATING W/ PLAN VIEWS
	LOCATION OF EXTERIOR OPENINGS - SEE FLOOR PLAN VIEWS FOR LOCATIONS 1 - MODEL No. METAB16 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED EACH SIDE OF EACH 3'-0 (OR LESS) OPENING IN THE EXTERIOR CONDITIONED WALL W/ A MINIMUM OF 3 - CONTINUOUS STUDS EACH SIDE ATTACH TO STUDS W/ 12- 10d X 1 1/2" NAILS
	1 - MODEL No. HPAH022 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED EACH SIDE OF EACH 5'-0 TO 6'-0 OPENING IN THE EXTERIOR CONDITIONED WALL W/ A MINIMUM OF 4 - CONTINUOUS STUDS EACH SIDE ATTACH TO STUDS W/ 13- 16d COMMON NAILS PER DEVICE
	1 - MODEL No. HPAH022 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED EACH SIDE OF MULTIPLE STUDS (MINIMUM 4 REQUIRED) @ ALL EXTERIOR CORNERS OF DWELLING AND BENEATH THE JUNCTION OF CARPORT ROOF GIRDERS IN THE EXTERIOR CONDITIONED WALL & GARAGE EXTERIOR WALL LOCATIONS ATTACH TO STUDS W/ 13- 16d COMMON NAILS PER DEVICE NOTE: CONDITIONED WALL ATTACHMENT SHALL BE DOUBLED @ EACH SIDE OF GIRDER BEARING @ BATH WINDOW W/ MINIMUM STUDS & DEVICE REQUIRED EACH SIDE OF OPENING
GIRDER TRUSSES	1 - MODEL No. HPAH022 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED EACH SIDE OF GARAGE DOOR OPENINGS W/ A MINIMUM OF 4 - CONTINUOUS STUDS EACH SIDE & @ ALL EXTERIOR CORNERS OF GARAGE AREA ATTACH TO STUDS W/ 13- 16d COMMON NAILS PER DEVICE
	COORDINATE W/ LOCATION OF ALL 2 & 3-PLY GIRDER TRUSSES - SEE ROOF SYSTEM 1 - MODEL No. HPAH022 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED EACH SIDE OF MULTIPLE STUDS (MINIMUM 4 REQUIRED) @ ALL 2 & 3-PLY GIRDER TRUSS BEARING TO CONCRETE STEM WALL LOCATIONS ALONG THE DWELLING EXTERIOR CONDITIONED WALL ATTACH TO STUDS W/ 13- 16d COMMON NAILS PER DEVICE
COLUMNS	LOCATION OF P.T. 6 X 6 COLUMNS @ PORCH AREA: SEE PLAN VIEWS 1 - MODEL No. ABH66 BY SIMPSON STRONG-TIE OR EQUAL @ COLUMN BOT. TO CONCRETE SLAB/STEM WALL CONNECTION ATTACH DEVICE TO COLUMN W/ 12 - 16d COMMON NAILS & ATTACH DEVICE TO CONCRETE W/ 1 - 1/2" GALV. STEEL ANCHOR BOLT
	NOTES: SEE ALSO FOUNDATION NOTES & REQUIREMENTS

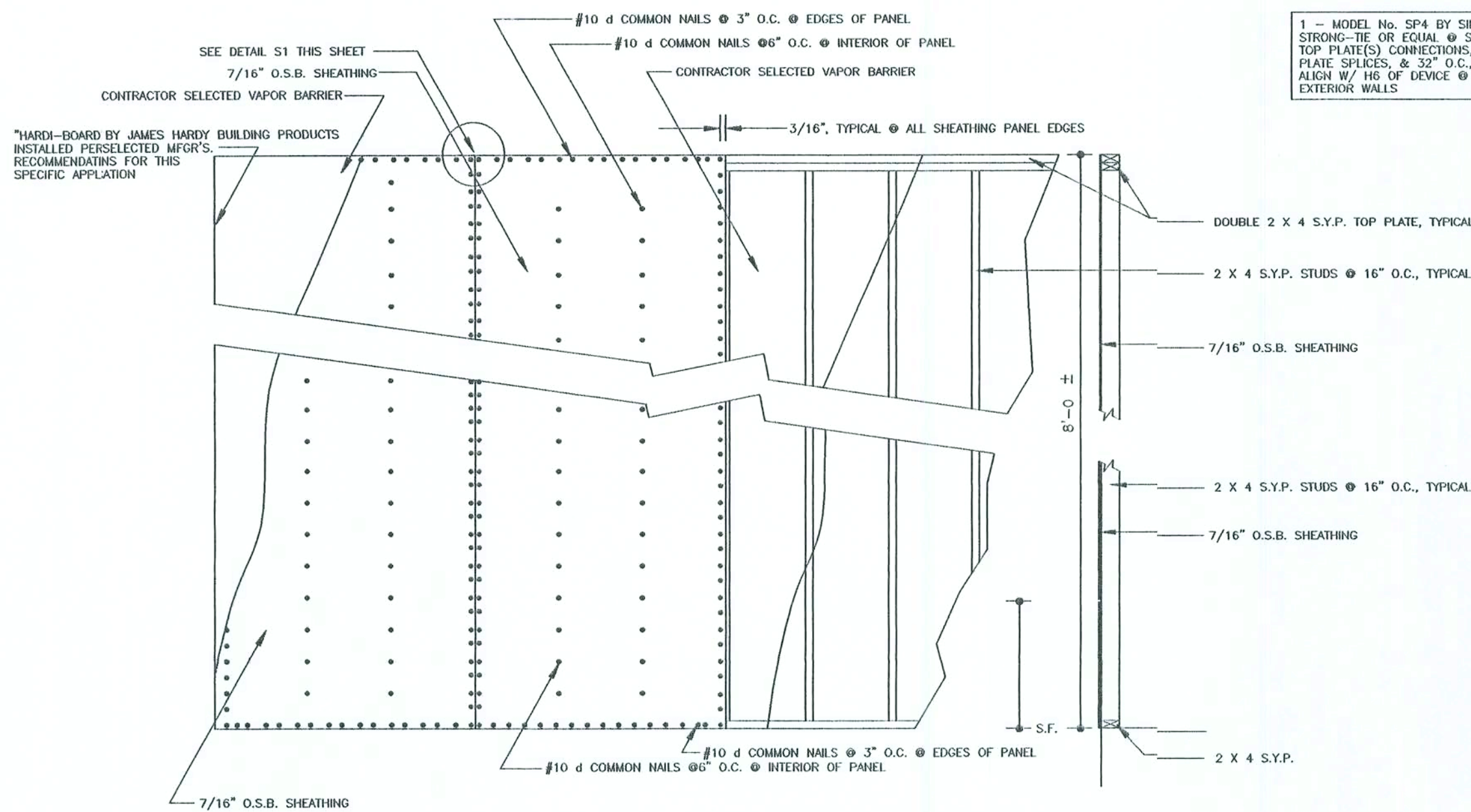
NOTE: THE CONTRACTOR IS DIRECTED TO REVIEW ALL CONSTRUCTION DRAWINGS & SPECIFICATIONS FOR ACCURACY & COMPLETENESS. ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION & CLARIFICATION. CONTRACTOR SHALL CONFIRM ALL EXISTING SOIL & ANY OTHER CONDITIONS OF WHICH MAY AFFECT / EFFECT THE STRUCTURAL INTEGRITY OF THIS PROJECT.

NOTE: ALL PAINTED WALL SURFACES TO BE SEMI-GLOSS - 3 COATS - CONTRACTOR SELECTED MANUFACTURER W/ OWNER APPROVED COLOR. ALL FINISHES SHALL BE VERIFIED AND SUBMITTED & APPROVED BY OWNER PRIOR TO INSTALLATION OR FABRICATION. ALL FINISH MATERIAL SHALL MEET THE MINIMUM STANDARDS OF S.B.C.C.I. FOR NEW CONSTRUCTION.

SCALE NOTE:
DETAILS & SECTIONS: N.T.S.

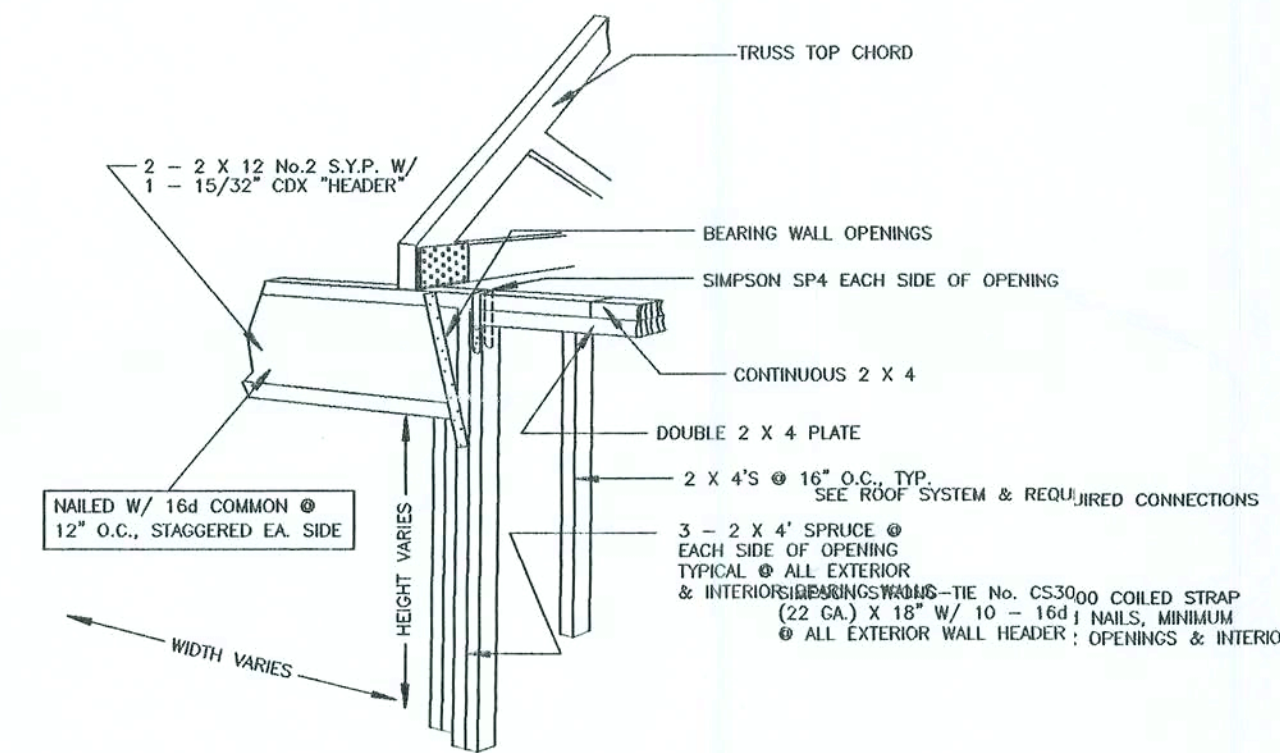


SUGGESTED FRAMING TECHNIQUES @ CORNERS



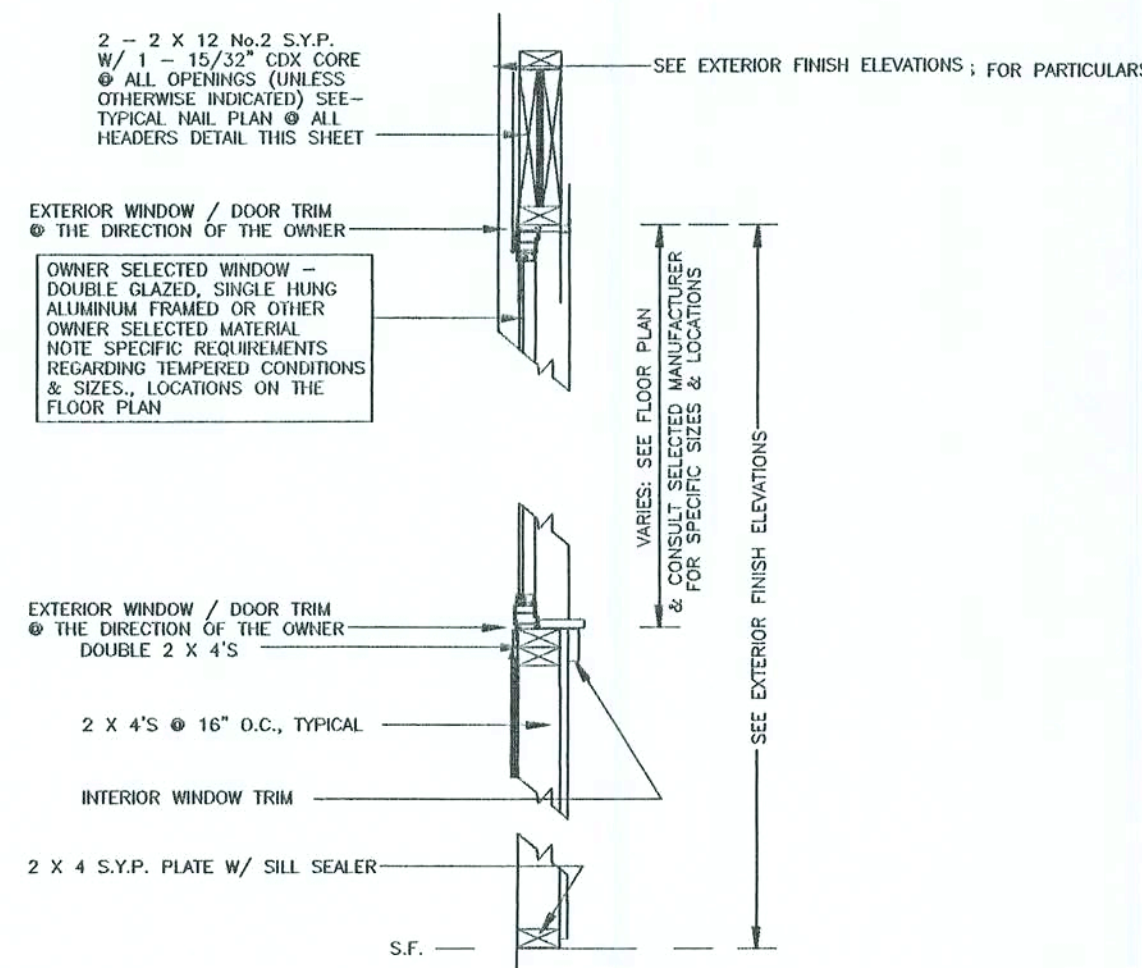
SHEATHING DETAIL - ELEVATION VIEW

SHEATHING DETAIL

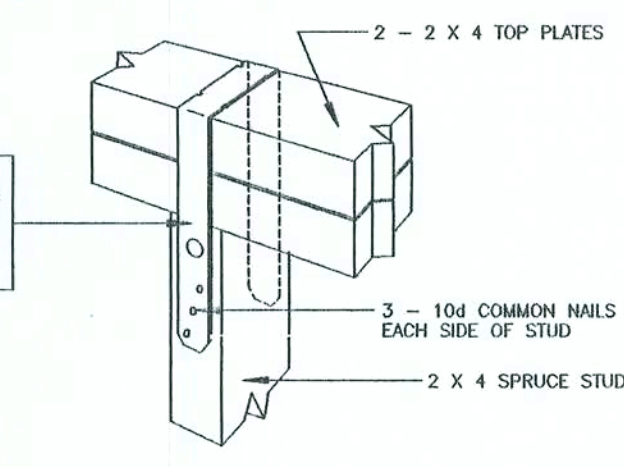


PROJECTED VIEW @ HEADER OPENING(S)

NOTE: REFER TO SPECIFIC REQUIREMENTS FOR PARTICULAR WINDOW & GLAZING OPTIONS BY OWNER'S APPROVED MANUFACTURER FOR R.O. SIZES & DETAILS FOR INSTALLATION, CARE & USE, AND WARRANTY INFORMATION FOR THE PARTICULAR PRODUCT(S) SUGGESTED IN THESE DRAWINGS.

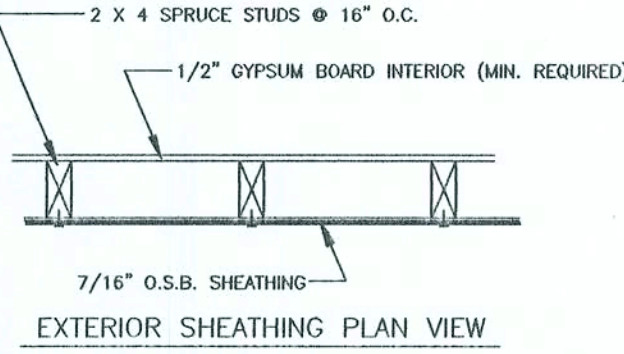


SECTION SIMILAR FOR SIDEWALL - SEE ROOF SYSTEM DRAWINGS & REQUIREMENTS. SECTION IS SIMILAR FOR ALL EXTERIOR WALL OPENINGS.



DETAIL S1

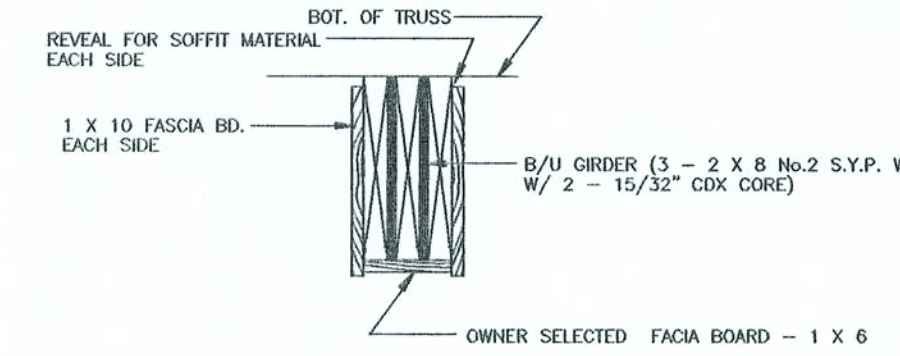
NOTE: GYPSUM BOARD IS TO BE INSTALLED W/ 5d (COOLER) NAILS @ 7" O.C. @ EDGES OF PANEL & @ INTERIOR AREAS OF PANEL(S). 1 1/4" TYPE W. #6 DRYWALL SCREWS MAY BE SUBSTITUTED FOR NAILS @ THE PREVIOUSLY DESCRIBED SPACING(S) FOR NAILS.



EXTERIOR SHEATHING PLAN VIEW

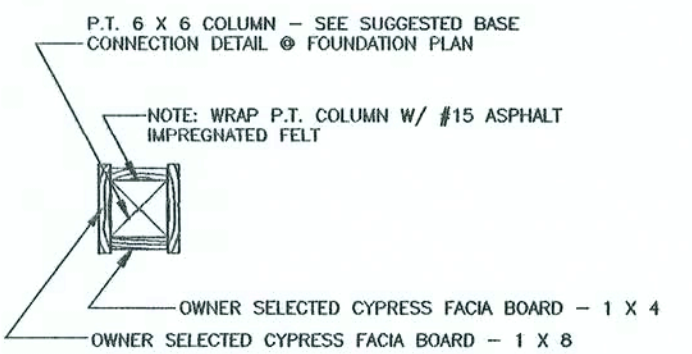
SCHEDULE OF REQUIRED FOUNDATION SYSTEM MECHANICAL FASTENERS

CONNECTION	FASTENER	NUMBER OR SPACING
TOP OR SOLE PLATE TO STUD, END NAILED	16d COMMON	2
STUD TO SOLE PLATE, TOE NAIL	8d COMMON	4
DOUBLED STUDS, FACE NAIL	10d COMMON	24" O.C.
DOUBLED TOP PLATES, FACE NAIL	10d COMMON	16" O.C.
TOP PLATES, LAP AND INTERSECTIONS FACE NAIL	2-16d OR 3-10d COMMON	2-16d OR 3-10d COMMON
CONTINUOUS HEADER, TWO PIECES	16d COMMON	16" O.C. ALONG EACH EDGE
CEILING JOISTS TO PLATE, TOE NAIL	8d COMMON	3
CONTINUOUS HEADER TO STUD, TOE NAIL	8d COMMON	3
RAFTER TO PLATE, TOE NAIL	8d COMMON	3
BUILT UP CORNER STUDS	16d COMMON	24" O.C.
BUILT UP GIRDERS & BEAMS, OF THREE MEMBERS	20d COMMON	32" O.C. AT TOP & BOTTOM & STAGGERED 2 ENDS & EACH SPLICE
STUDS TO SOLE PLATE, END NAIL	16d COMMON	2 EACH END
GYPSUM WALLBOARD, 1/2"	1 3/8" DRYWALL NAIL	7" O.C. ON CEILINGS 8" O.C. ON WALLS

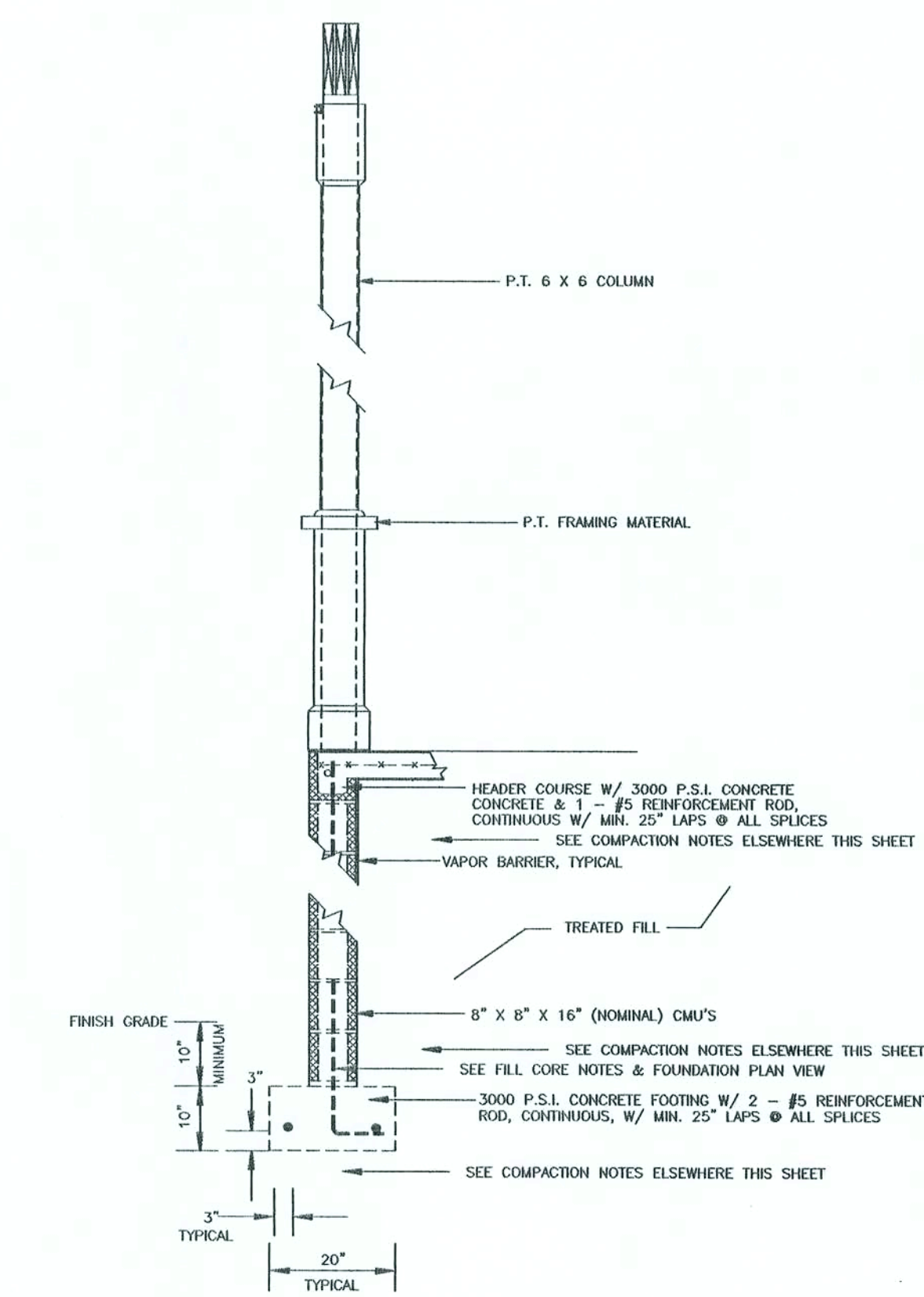


SUGGESTED GIRDER FASCIA DETAILS

NOTE: ILLUSTRATED & NOTED FOR REAR COLUMNS/GIRDER - FRONT COLUMNS/GIRDER SIMILAR. SEE SPECIFIC REQUIREMENTS ELSEWHERE THESE PLANS.



SUGGESTED COLUMN FASCIA DETAILS



SECTION THROUGH P.T. COLUMNS

1 SECTION THROUGH TYPICAL DWELLING EXTERIOR WALL

2 SECTION THROUGH TYPICAL EXTERIOR WALL OPENING(S)

3 SECTION THROUGH NON-BEARING WALL(S) TO TRUSS

NOTE: THE CONTRACTOR IS DIRECTED TO REVIEW ALL CONSTRUCTION DRAWINGS & SPECIFICATIONS FOR ACCURACY & COMPLETENESS. ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION & CLARIFICATION. CONTRACTOR SHALL CONFIRM ALL EXISTING SOIL & ANY OTHER CONDITIONS OF WHICH MAY AFFECT / EFFECT THE STRUCTURAL INTEGRITY OF THIS PROJECT.

NOTE: INTERIOR & GBL END TRUSSES TO BE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA AS SATISFACTORY FOR THIS APPLICATION ACCORDING TO THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE FLORIDA BUILDING CODE. DRAWING(S) (I ANY) DEPICTED ARE INTENDED FOR INFORMATION REGARDING REQUIRED SPAN, BEARING POINTS, OVERLAPS AND PITCH OF TOP CHORD MEMBERS. THEY ARE NOT INTENDED TO ACCURATELY REFLECT OR REPRESENT WEBSING, CHORD MEMBER SIZES OR PLATED CONNECTIONS.

NOTE: MANUFACTURE TO SPECIFY ALL BRACING, HANDLING & INSTALLATION PRACTICES TO ENSURE PROPER STRUCTURAL INTEGRITY OF INSTALLED TRUSSES.

NOTE: CONTRACTOR SHALL SUBMIT FINAL TRUSS PLAN AND PROFILES BY SELECTED TRUSS MANUFACTURER TO ENGINEER FOR EVALUATION AND CONFIRMATION OF ALL LISTED MECHANICAL FASTENING DEVICES

SCALE NOTE:
PLAN VIEW: 3/16"=1'-0"

8263 CR 417
LIVE OAK, FLORIDA 32080
386-3624757
ENS. LIC. EE 3761

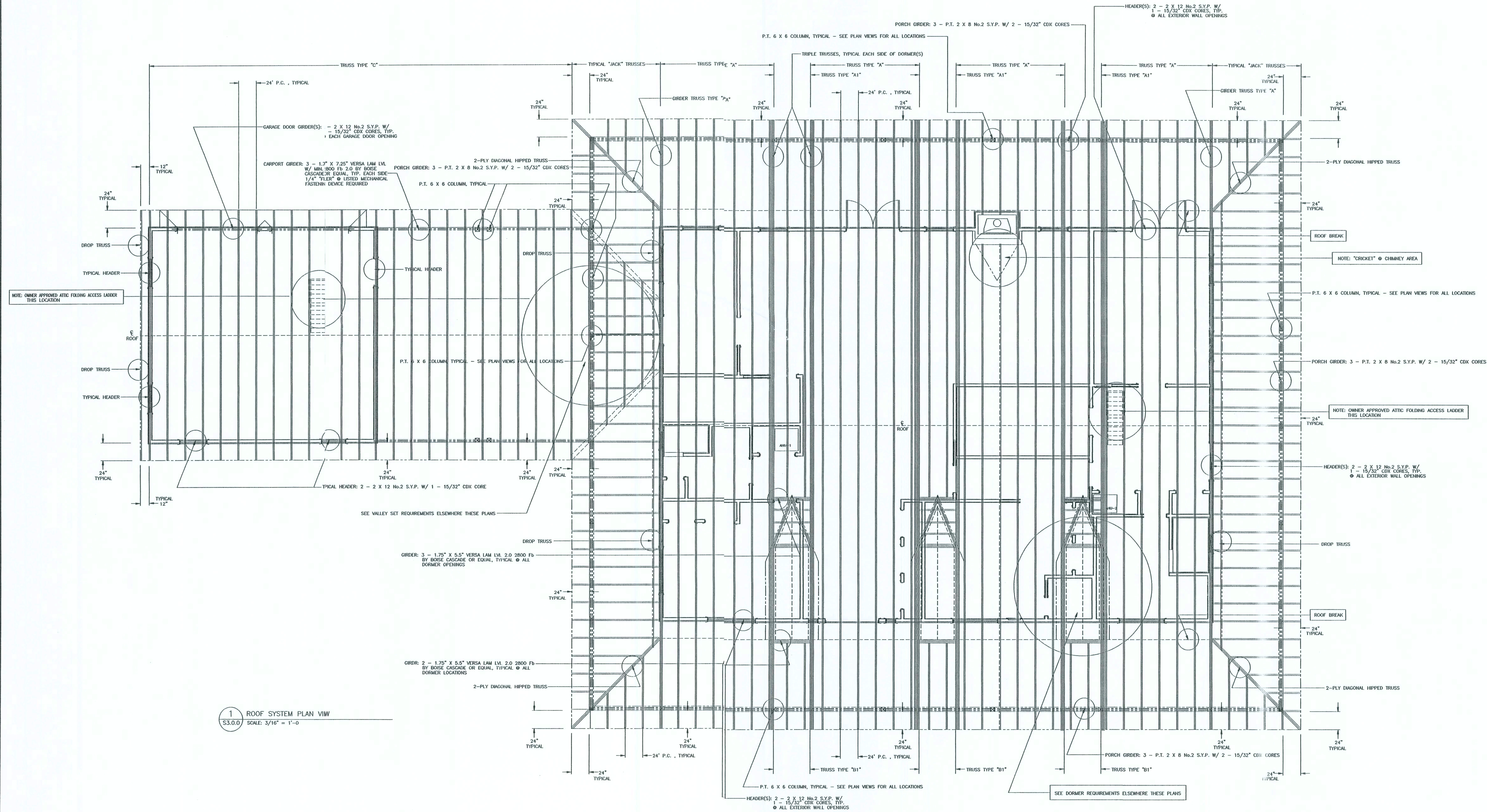
KEEN ENGINEERING
& SURVEYING, INC.

RONALD AND LAUREL BIRD RESIDENCE
COLUMBIA COUNTY, FLORIDA

ROOF SYSTEM PLAN VIEW
MISC. NOTES, REFERENCES & INSTRUCTIONS

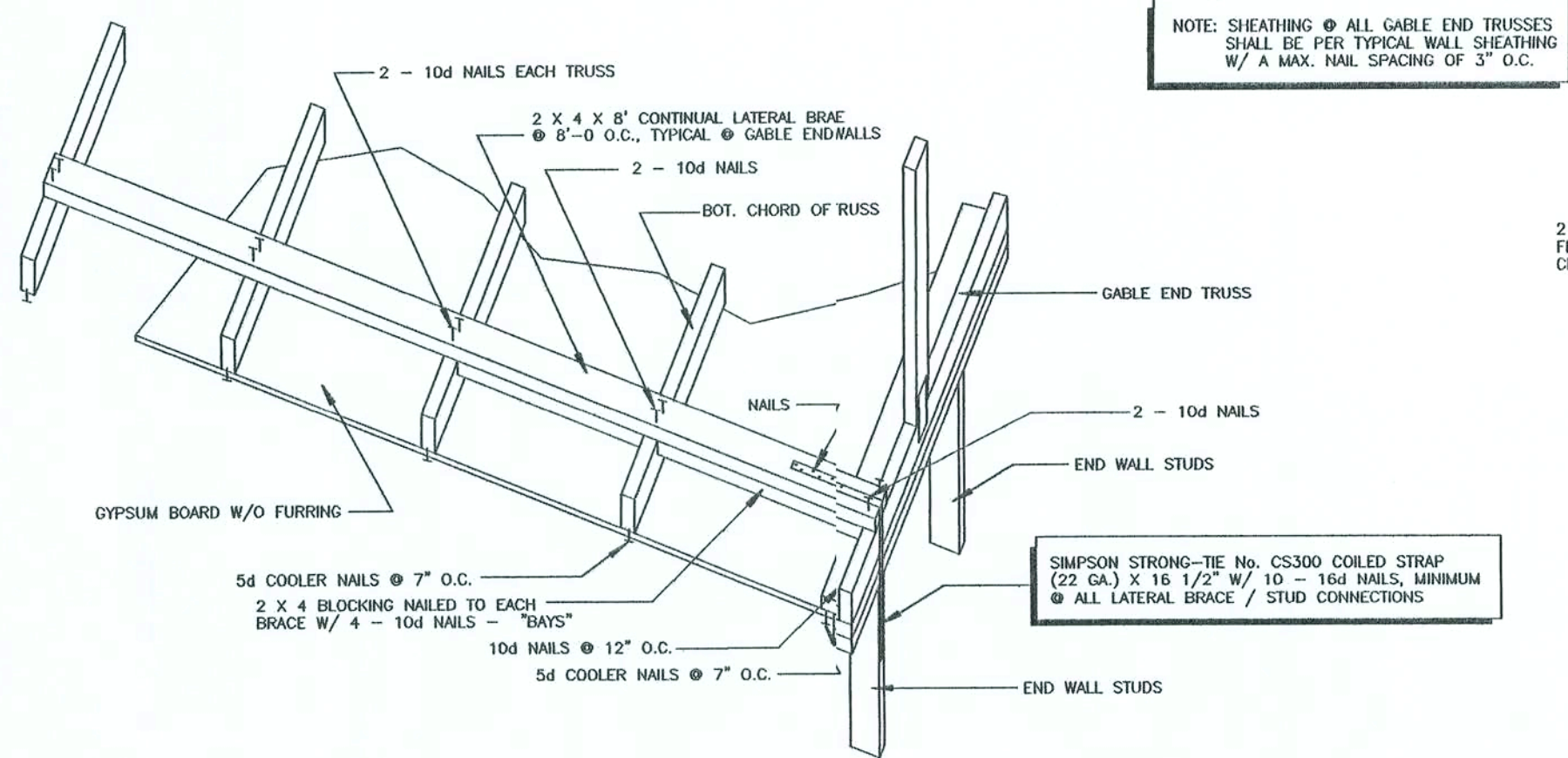
PROJECT NO.
882-SLO.DWG
SHEET NO.
S3.0.0

DATE
02/15/06

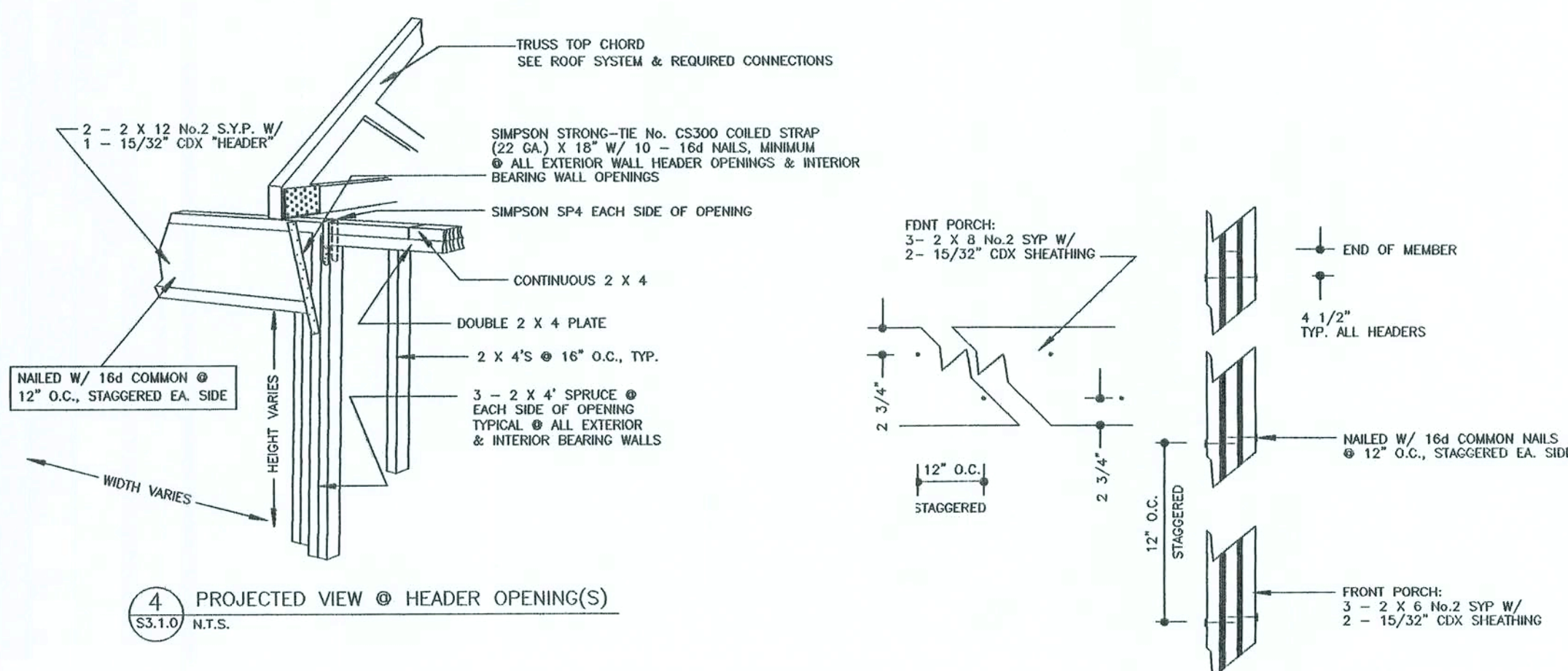


1 ROOF SYSTEM PLAN VIEW
S3.0.0 SCALE: 3/16" = 1'-0"

NOTE: THE CONTRACTOR IS DIRECTED TO REVIEW ALL CONSTRUCTION DRAWINGS & SPECIFICATIONS FOR ACCURACY & COMPLETENESS. ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION & CLARIFICATION. CONTRACTOR SHALL CONFIRM ALL EXISTING SOIL & ANY OTHER CONDITIONS OF WHICH MAY AFFECT / EFFECT THE STRUCTURAL INTEGRITY OF THIS PROJECT.



1 CEILING CONNECTION @ GABLE END WALLS
S3.1.0 N.T.S.

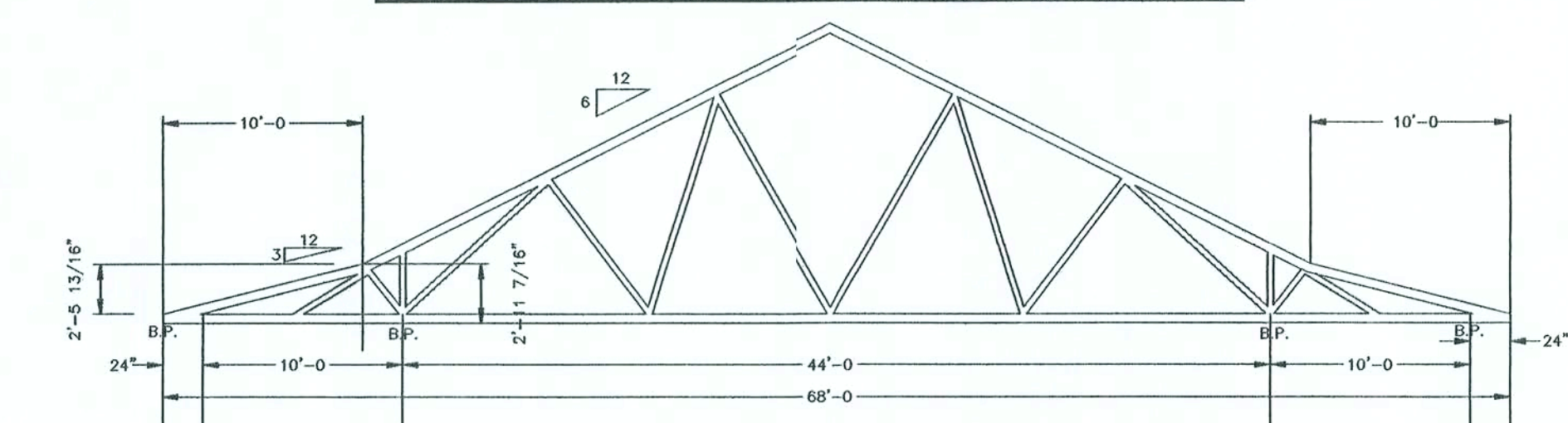


5 TYPICAL PORCH GIRDER: 3 -PLY ROOF GIRDER
S3.1.0 N.T.S.

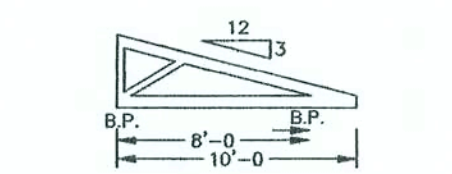
NOTE: INTERIOR & GABLE END TRUSSES TO BE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA AS SATISFACTORY FOR THIS APPLICATION ACCORDING TO THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE FLORIDA BUILDING CODE. DRAWINGS (IF ANY) EXPECTED ARE INTENDED FOR INFORMATION REGARDING REQUIRED SPAN, BEARING POINTS, OVERHANGS AND PITCH OF TOP CHORD MEMBERS. THEY ARE NOT INTENDED TO ACCURATELY REFLECT OR REPRESENT WEBBING, CHORD MEMBER SIZES OR PLATED CONNECTIONS.

NOTE: MANUFACTURER TO SPECIFY ALL BRACING, HNDLING & INSTALLATION PRACTICES TO ENSURE PROPER STRUCTURAL INTEGRITY OF INSTALLED TRUSSES.

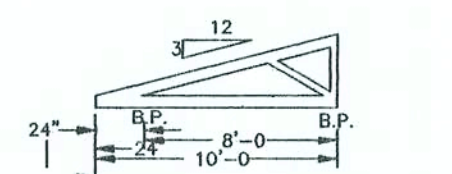
NOTE: CONTRACTOR SHALL SUBMIT FINAL TRUSS PLAN AND PROFILES BY SELECTED TRUSS MANUFACTURER TO ENGINEER FOR EVALUATION AND CONFIRMATION OF ALL LISTED MECHANICAL FASTENING DEVICES



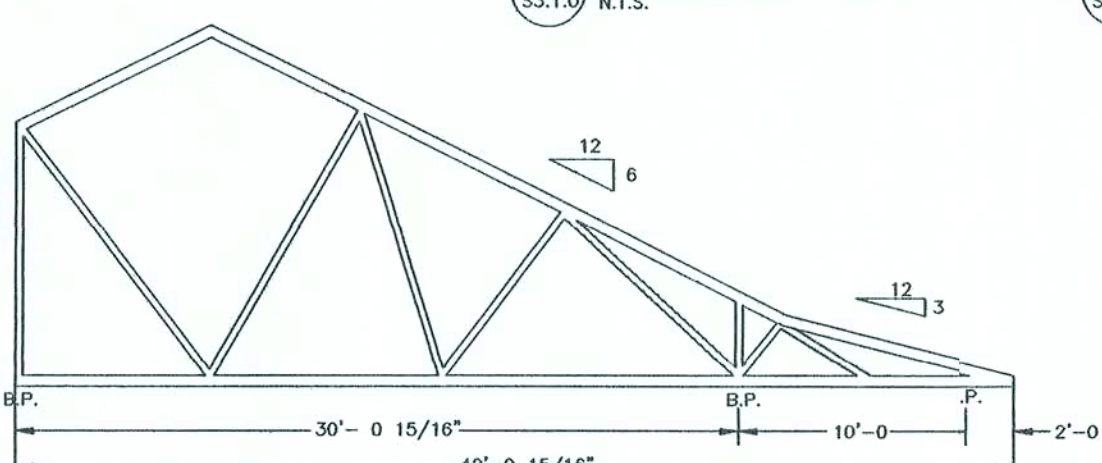
9A TYPICAL TRUSS TYPE "A"
S3.1.0 N.T.S.



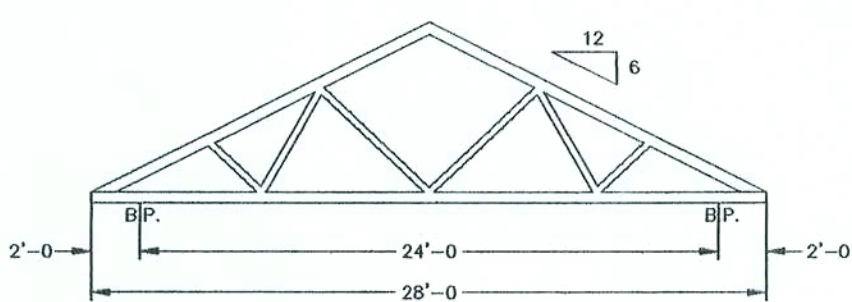
9B TYPICAL "JACK" TRUSS



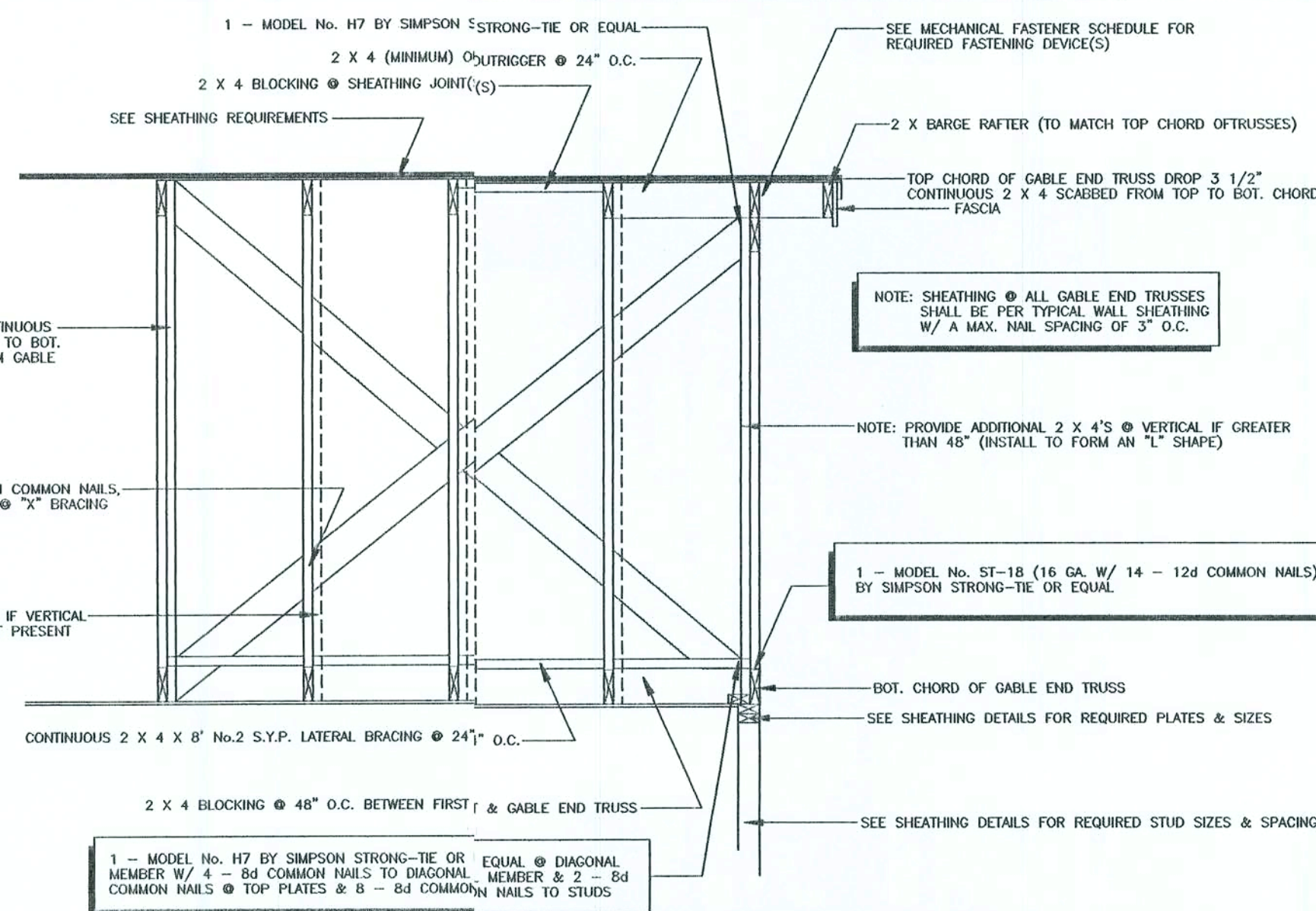
9C TRUSS TYPE "B1"



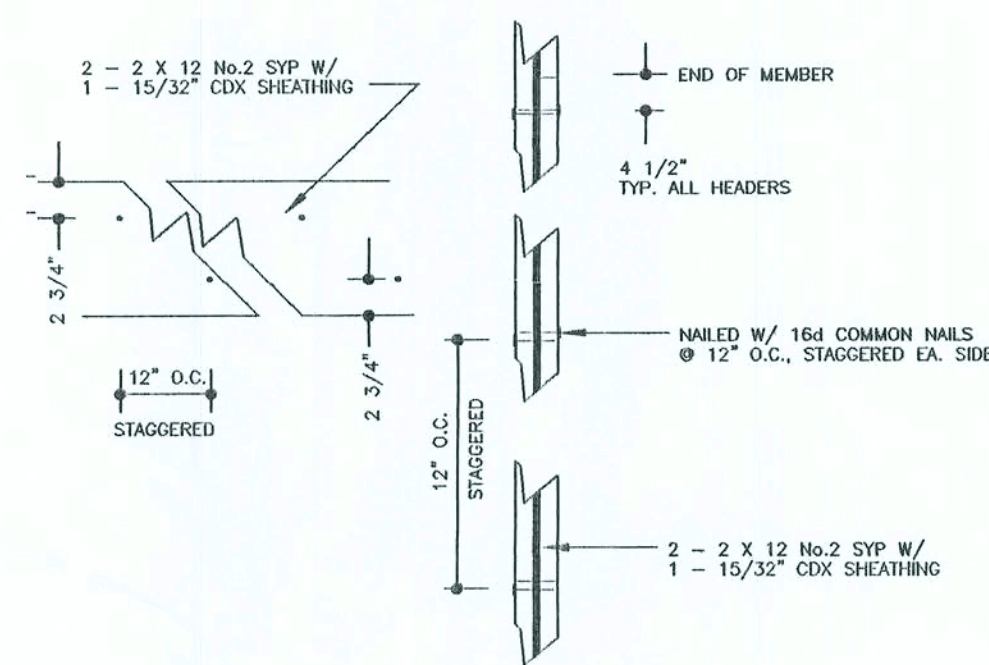
9D TRUSS TYPE "A1"
S310 NTS



9E TRUSS TYPE "C"
S3.10 NTS

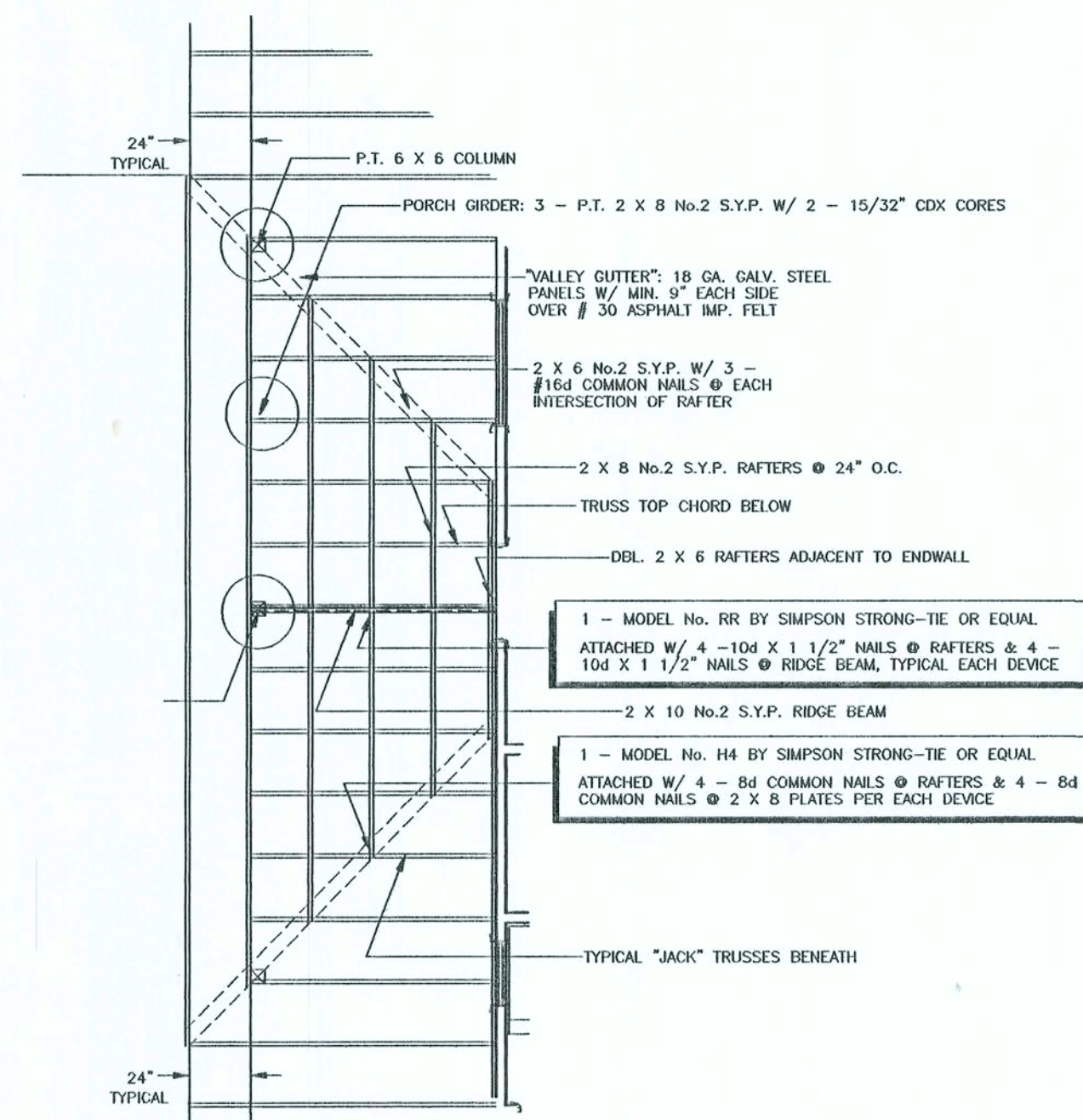


2 GABLE ENDWALL FRAMING
S3.1.0 N.T.S.



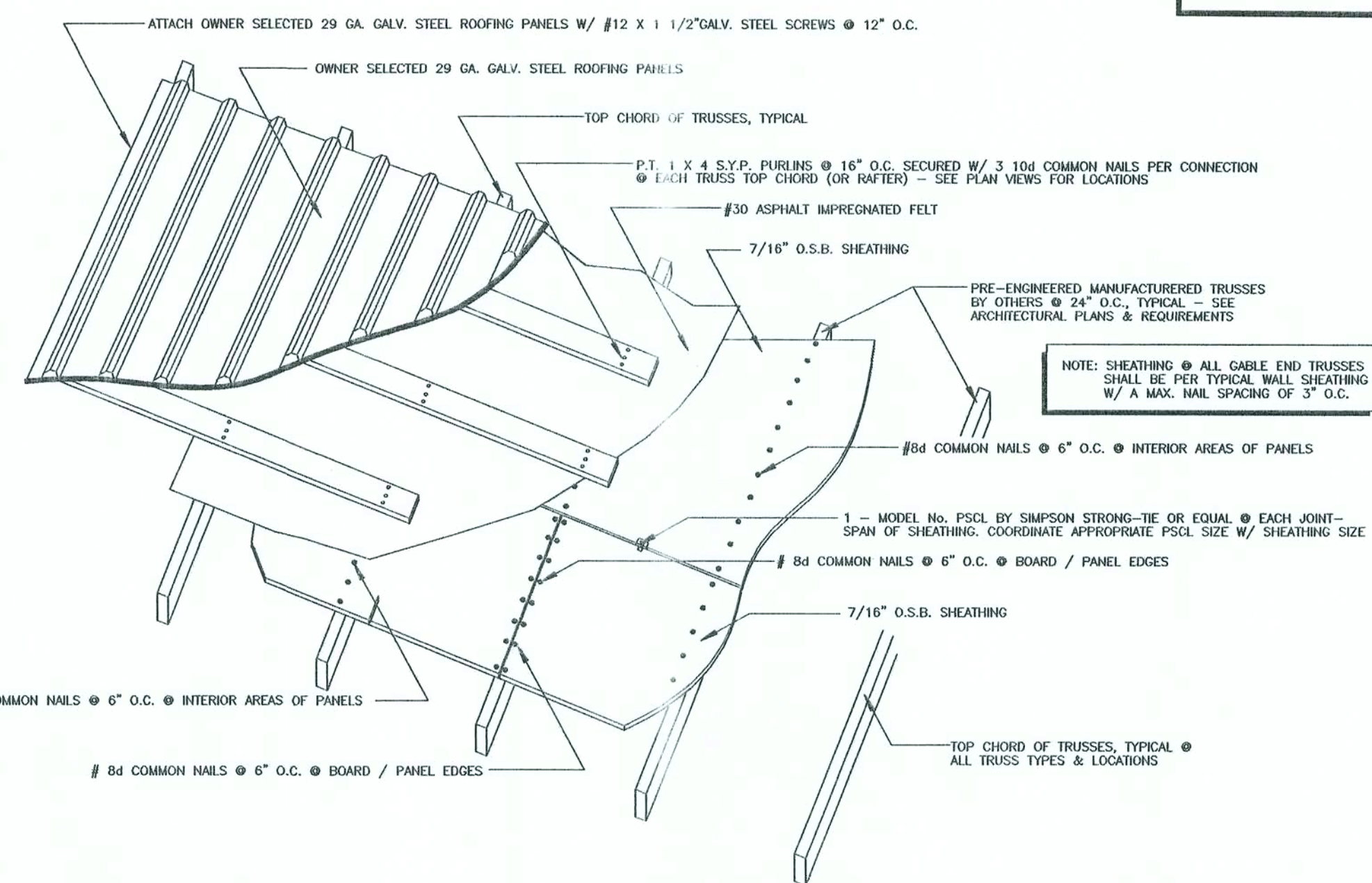
SIMILAR • TYPICAL EXTERIOR WALL "HEADER"

6 GARAGE GIRDER: 2-PLY ROOF GIRDER
S3.1.0 N.T.S.

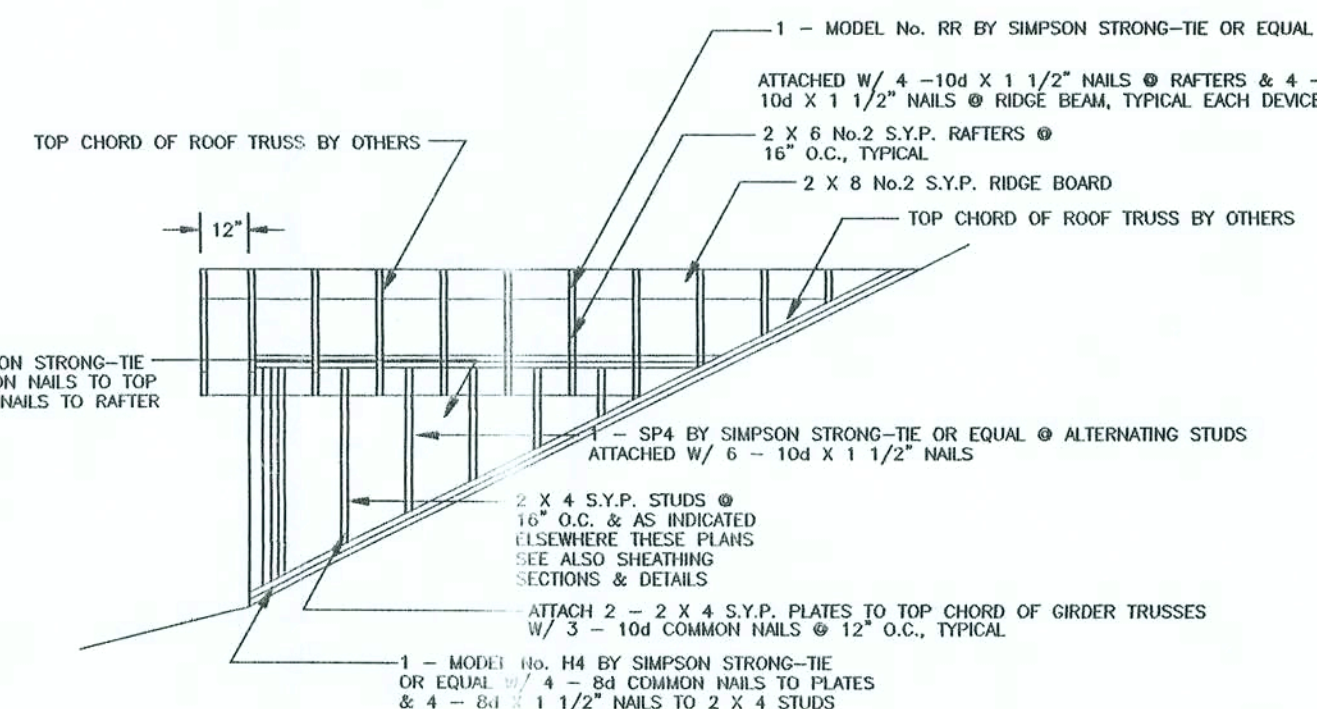


NOTE: 2 X 8 SOLID BRIDGING @ MIDPOINT(S) NOT ILLUSTRATED
2 X 6 No. 2 S.Y.P. COLLAR BEAM @ ALTERNATING
RAFTER LOCATIONS NOT ILLUSTRATED W/ A MINIMUM
LENGTH OF 48" & ATTACHED TO EACH RAFTER W/
A MINIMUM OF 8 - 16d COMMON NAILS

9 VALLET SET DETAIL



3 ROOFING & SHEATHING CONNECTIONS TO TRUSSES
S3.1.0 N.T.S.



NOTE: REFER TO EXTERIOR FINISH ELEVATIONS

8 DORMER DETAILS / SECTIONS
S3.1.0 N.T.S.

© 2006 KEEN ENGINEERING & SURVEYING, INC.

9263 CR 417
LIVE OAK, FLORIDA 32060
386-362-4787
ENG. LIC. EB 3761

KEEN ENGINEERING
& SURVEYING, INC.

RONALD AND LAUREL BIRD RESIDENCE
COLUMBIA COUNTY, FLORIDA

ROOF SYSTEM REFERENCED SECTIONS & DETAILS

PROJECT NO. BIRD-S3.1.0.DWG	WORKING SET:
SHEET No. S3.1.0	DATE 02/16/06

NOTE: THE CONTRACTOR IS DIRECTED TO REVIEW ALL CONSTRUCTION DRAWINGS & SPECIFICATIONS FOR ACCURACY & COMPLETENESS. ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION & CLARIFICATION. CONTRACTOR SHALL CONFIRM ALL EXISTING SOIL & ANY OTHER CONDITIONS OF WHICH MAY AFFECT / EFFECT THE STRUCTURAL INTEGRITY OF THIS PROJECT.

SCALE NOTE:
PLAN VIEW: 3/16"=1'-0"

SCHEDULE OF REQUIRED FOUNDATION SYSTEM MECHANICAL FASTENERS

EXTERIOR WALLS	EXTERIOR WALL OPENINGS	LOCATION OF 1/2" A307 ANCHOR BOLTS: SEE PLAN VIEWS 1 - 1/2" A307 STEEL ANCHOR BOLT SHALL BE INSTALLED @ 6" FROM ALL CORNERS, THE BEGINNING OR END OF ALL SHEARWALL SEGMENTS & AND 6'-0" O.C. MAXIMUM THE PERIMETER EXTERIOR CONDITIONED WALL(S) REFER TO REFERENCED SECTIONS & DETAILS COORDINATING W/ PLAN VIEWS
		LOCATION OF EXTERIOR OPENINGS - SEE FLOOR PLAN VIEWS FOR LOCATIONS 1 - MODEL No.META16 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED EACH SIDE OF EACH 3'-0" (OR LESS) OPENING IN THE EXTERIOR CONDITIONED WALL W/ A MINIMUM OF - CONTINUOUS STUDS EACH SIDE ATTACH TO STUDS W/ 12- 16d X 1 1/2" NAILS
		1 - MODEL No.HP4HD22 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED EACH SIDE OF EACH 5'-0" TO 6'-0" OPENING IN THE EXTERIOR CONDITIONED WALL W/ A MINIMUM OF - CONTINUOUS STUDS EACH SIDE ATTACH TO STUDS W/ 13- 16d COMMON NAILS PER DEVIE
		1 - MODEL No.HP4HD22 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED EACH SIDE OF MULTIPLE STUDS (MINIMUM 4 REQUIRED) @ ALL EXTERIOR CORNERS OF DWELLING AND ENEATH THE JUNCTION OF CARPORT ROOF GIRDERS IN THE EXTERIOR CONDITIONED WALL & GARAGE EXTERIOR WALL LOCATIONS ATTACH TO STUDS W/ 13- 16d COMMON NAILS PER DEVIE NOTE: CONDITIONED WALL ATTACHMENT SHALL BE DOUBLED @ EACH SIDE OF GIRDER BEARING @ BATH WINDOW W/ MINIMUM STUDS & DEVIE REQUIRED EACH SIDE OF OPENING
GIRDER TRUSSES	GIRDER TRUSSES	1 - MODEL No.HP4HD22 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED EACH SIDE OF GARAGE DOOR OPENINGS W/ A MINIMUM OF 4 - CONTINUOUS STUDS EACH SIDE & @ LL EXTERIOR CORNERS OF GARGE AREA ATTACH TO STUDS W/ 13- 16d COMMON NAILS PER DEVIE
		COORDINATE W/ LOCATION OF ALL 2 & 3-PLY GIRDER TRUSSE - SEE ROOF SYSTEM
1 - MODEL No.HP4HD22 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED EACH SIDE OF MULTIPLE STUDS (MINIMUM 4 REQUIRED) @ ALL 2 & 3-PLY GIRDER TRUSS BEARING TOCONCRETE STEM WALL LOCATIONS ALONG THE DWELLING EXTERIOR CONDITIONED WALL ATTACH TO STUDS W/ 13- 16d COMMON NAILS PER DEVIE		
COLUMNS		LOCATION OF P.T. 6 X 6 COLUMNS @ PORCH AREA: SEE PLAN/VIEWS 1 - MODEL No.ABUB6 BY SIMPSON STRONG-TIE OR EQUAL @COLUMN BOT. TO CONCRETE SLAB/STEM WALL CONNECTION ATTACH DEVICE TO COLUMN W/ 12 - 16d OMMON NAILS & ANCH DEVICE TO CONCRETE W/ 1 - 1/2" GALV. STEEL ANCHOR BOLT
NOTES:	SEE ALSO FOUNDATION NOTES & REQUIREMENTS	

FASTENING SCHEDULES:

CONNECTION	FASTENER	NUMBER OR SPACING
TOP OR SOLE PLATE TO STUD, END NAILED	16d COMMON	2
STUD TO SOLE PLATE, TOE NAIL	8d COMMON	4
DOUBLED STUDS, FACE NAIL	10d COMMON	24" O.C.
DOUBLED TOP PLATES, FACE NAIL	10d COMMON	16" O.C.
TOP PLATES, LAP AND INTERSECTIONS FACE NAIL	---	2-16d OR 3-10d COMMON
CONTINUOUS HEADER, TWO PIECES	16d COMMON	16" O.C. ALONG EACH EDGE
CEILING JOISTS TO PLATE, TOE NAIL	8d COMMON	3
CONTINUOUS HEADER TO STUD, TOE NAIL	8d COMMON	3
RAFTER TO PLATE, TOE NAIL	8d COMMON	3
BUILT UP CORNER STUDS	16d COMMON	24" O.C.
BUILT UP GIRDERS & BEAMS, OF THREE MEMBERS	20d COMMON	32" O.C. AT TOP & BOTTOM & STAGGERED 2 ENDS & EACH SPLICE
STUDS TO SOLE PLATE, END NAIL	16d COMMON	2 EACH END
GYPSUM WALLBOARD, 1/2"	1 3/8" DRYWALL NAIL	7" O.C. ON CEILINGS 6" O.C. ON WALLS

SCHEDULE OF REQUIRED ROOF SYSTEM MECHANICAL FASTENERS

ROOF TRUSSES, GIRDERS & RELATED ELEMENTS	No.	LOCATION OF ALL TRUSS TYPE "A"- SEE PLAN VIEW FOR LOCATIONS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO PORCH BUILT-UP GIRDER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO BUILT-UP PORCH GIRDER CONNECTIONS W/ 4 - 8d COMMON NAILS 1 - MODEL No. H10 BY SIMPSON STRONG-TIE OR EQUAL @ EXTERIOR BEARING WALL(S) TOP PLATES OR HEADER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTIONS W/ 8 - 8d COMMON NAILS
	TRUSS "A"	LOCATION OF ALL 2-PLY GIRDER TRUSS TYPE "A"- SEE PLAN VIEW FOR LOCATIONS 2 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF 2-PLY TRUSS TO PORCH BUILT-UP GIRDER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO BUILT-UP GIRDER CONNECTIONS W/ 4 - 8d COMMON NAILS 2 - MODEL No. MGT BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF 2-PLY TRUSS TO EXTERIOR WALL TOP PLATES CONNECTIONS ATTACH DEVICE TO TRUSS W/ 22 - 108d COMMON NAILS - ATTACH DEVICE TO TOP PLATES CONNECTIONS W/ 5/8" DIA. THRU BOLTS AS PROVIDED BY MFR.
	TRUSS "A1"	LOCATION OF ALL 3-PLY GIRDER TRUSS TYPE "A"- SEE PLAN VIEW FOR LOCATIONS @ ALL DORMER SITES 2 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF 3-PLY TRUSS TO PORCH BUILT-UP GIRDER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO BUILT-UP GIRDER CONNECTIONS W/ 4 - 8d COMMON NAILS 1 - MODEL No. H073 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF 3-PLY TRUSS TO EXTERIOR WALL TOP PLATES CONNECTIONS ATTACH DEVICE TO TRUSS W/ ALL MFR. REQUIRED NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTIONS W/ 8 - 8d COMMON NAILS
	TRUSS "A1"	LOCATION OF ALL TRUSS TYPE "A1"- SEE PLAN VIEW FOR LOCATIONS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO PORCH BUILT-UP GIRDER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTIONS W/ 4 - 8d COMMON NAILS 1 - MODEL No. H10 BY SIMPSON STRONG-TIE OR EQUAL @ EXTERIOR BEARING WALL(S) TOP PLATES OR HEADER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTIONS W/ 8 - 8d COMMON NAILS 1 - MODEL No. H026TF BY SIMPSON STRONG-TIE OR EQUAL @ INTERIOR LVL BEARING (DORMER AREA) CONNECTIONS ATTACH DEVICE TO TRUSS & LVL GIRDERS W/ ALL REQUIRED NAILS BY MANUFACTURER
	LVL GIRDER	LOCATION OF REAR LVL GIRDER @ REAR OF DORMER AREA - SEE PLAN VIEW FOR LOCATIONS GIRDER SHALL BE 3 - 1.75" X 5.5" VERSA LAM LVL W/ 2.0 2800 Fb MINIMUM BY BOISE CASCADE OR EQUAL 1 - MODEL No. M15.31/9 BY SIMPSON STRONG-TIE OR EQUAL @ EACH REAR BEARING POINT OF GIRDER TO 3-PLY GIRDER TRUSSES CONNECTIONS ATTACH DEVICE TO TRUSS & MULTIPLE LVL GIRDER W/ ALL MANUFACTURER REQUIRED NAILS
	TRUSS "B1"	LOCATION OF ALL TRUSS TYPE "B1"- SEE PLAN VIEW FOR LOCATIONS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO PORCH BUILT-UP GIRDER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTIONS W/ 4 - 8d COMMON NAILS 1 - MODEL No. H026TF BY SIMPSON STRONG-TIE OR EQUAL @ FRONT LVL BEARING (DORMER AREA) CONNECTIONS ATTACH DEVICE TO TRUSS & MULTIPLE LVL GIRDER W/ ALL REQUIRED NAILS BY MANUFACTURER
	LVL GIRDER	LOCATION OF REAR LVL GIRDER @ FRONT OF DORMER AREA - SEE PLAN VIEW FOR LOCATIONS GIRDER SHALL BE 2 - 1.75" X 5.5" VERSA LAM LVL W/ 2.0 2800 Fb MINIMUM BY BOISE CASCADE OR EQUAL 1 - MODEL No. M14.9 BY SIMPSON STRONG-TIE OR EQUAL @ EACH FRONT BEARING POINT OF GIRDER TO 3-PLY GIRDER TRUSSES CONNECTIONS ATTACH DEVICE TO TRUSS & MULTIPLE LVL GIRDER W/ ALL MANUFACTURER REQUIRED NAILS
	CEILING JOISTS	LOCATION OF 2 X 6 No.2 S.Y.P. CEILING JOISTS @16" O.C. IN DORMER AREA - SEE PLAN VIEW FOR LOCATIONS 1 - MODEL No. L124 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF CEILIN JOISTS TO TRUSS BOT. CHORD(S) CONNECTION(S) ATTACH DEVICE TO JOISTS W/ 2 - 10d COMMON NAILS - ATTACH DEVICE TO GIRDER TRUSS CONNECTIONS W/ 4 - 10d COMMON NAILS
	JACK TRUSSES	LOCATION OF "JACK TRUSSES" - SEE PLAN VIEW FOR LOCATIONS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH REAR BEARING POINT OF TRUSS TO BUILT-UP GIRDER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTIONS W/ 4 - 8d COMMON NAILS 1 - MODEL No. L124 BY SIMPSON STRONG-TIE OR EQUAL @ EACH REAR BEARING POINT OF TRUSS TO GIRDER TRUSSES CONNECTIONS ATTACH DEVICE TO TRUSS W/ 2 - 10d COMMON NAILS - ATTACH DEVICE TO GIRDER TRUSS CONNECTIONS W/ 4 - 10d COMMON NAILS
	HIPPED	LOCATION OF ALL DIAGONAL / HIPPED MEMBERS - SEE PLAN VIEW FOR LOCATIONS 1 - MODEL No. H972 BY SIMPSON STRONG-TIE OR EQUAL @ EACH REAR BEARING POINT OF HIPPED MEMBERS TO BUILT-UP GIRDER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 6 - 10d COMMON NAILS - ATTACH DEVICE TO BUILT-UP GIRDER CONNECTIONS W/ 6 - 10d COMMON NAILS 1 - MODEL No. L55J210 BY SIMPSON STRONG-TIE OR EQUAL @ EACH REAR BEARING POINT OF HIPPED MEMBERS TO 2-PLY GIRDER TRUSS CONNECTIONS ATTACH DEVICE TO GIRDER TRUSS W/ 10 - 10d COMMON NAILS - ATTACH DEVICE TO HIPPED TRUSS CONNECTIONS W/ 7 - 10d COMMON NAILS
	JACK TRUSSES	LOCATION OF ALL JACK TRUSSES TO DIAGONAL / HIPPED MEMBERS - SEE PLAN VIEW FOR LOCATIONS 1 - MODEL No. SUR/L24 BY SIMPSON STRONG-TIE OR EQUAL @ EACH REAR BEARING POINT OF JACK TRUSSES TO HIPPED MEMBERS CONNECTIONS ATTACH DEVICE TO DIAGONAL LVL GIRDER TRUSS W/ 4 - 16d COMMON NAILS - ATTACH DEVICE TO BUILT-UP GIRDER CONNECTIONS W/ 4 - 10d COMMON NAILS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH REAR BEARING POINT OF TRUSS TO BUILT-UP GIRDER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTIONS W/ 4 - 8d COMMON NAILS
	TRUSS "C"	LOCATION OF ALL TRUSS TYPE "C"- GARAGE AREA LOCATIONS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH REAR BEARING POINT OF TRUSS TO HEADER, BUILT-UP GIRDER OR TOP PLATES CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES, HEADER OR BUILT-UP GIRDER CONNECTIONS W/ 4 - 8d COMMON NAILS LOCATION OF ALL TRUSS TYPE "C"- CARPORT AREA LOCATIONS 1 - MODEL No. H10 BY SIMPSON STRONG-TIE OR EQUAL @ FRONT & REAR BUILT-UP GIRDER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO BUILT-UP GIRDER CONNECTIONS W/ 8 - 8d COMMON NAILS
	DORMER(S)	LOCATION OF ALL DORMER(S) - SEE DETAILS & REQUIREMENTS ELSEWHERE THESE PLANS
	VALLEY SET AREA	LOCATION OF VALLEY SET AREA @ CARPORT/PORCH JUNCTURE - SEE PLAN VIEW(S) FOR LOCATIONS SEE DETAILS & REQUIREMENTS ELSEWHERE THESE PLANS
NOTES	BUILT-UP GIRDER	LOCATION OF BUILT-UP GIRDER @ ALL PORCH AREAS: 3 - P.T. 2 X 8 No.2 S.Y.P. W/ 2 - 15/32" CDX CORE - SEE PLAN VIEWS FOR LOCATION 2 - MODEL No. ACE6 MAX BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF BUILT-UP GIRDER TO P.T. 6 X 6 COLUMNS BENEATH ATTACH DEVICE TO GIRDER W/ 14 - 16d COMMON NAILS - ATTACH TO STUDS W/ 14 - 16d COMMON NAILS LOCATION OF BUILT-UP GARAGE HEADER: 2 - P.T. 2 X 12 No.2 S.Y.P. W/ 1 - 15/32" CDX CORE - SEE PLAN VIEWS FOR LOCATION 2 - MODEL No. AC68 MAX BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF BUILT-UP GIRDER TO MULTIPLE STUD(S) BENEATH (4 - REQUIRED) ATTACH DEVICE TO GIRDER W/ 14 - 16d COMMON NAILS - ATTACH TO STUDS W/ 14 - 16d COMMON NAILS
	COLUMNS	LOCATION OF ALL P.T. 6 X 6 COLUMNS - SEE PLAN VIEW(S) FOR LOCATIONS SEE ABOVE BUILT-UP GIRDER FOR REQUIRED DEVICES

NOTE: SEE DETAILS ELSEWHERE THESE PLANS FOR ADDITIONAL REQUIREMENTS NOT LISTED HERE
NOTE: CONTRACTOR SHALL COORDINATE W/ OTHER DEVICES NOTED IN DETAILS AND/OR LISTED IN SCHEDULES TO ACHIEVE THE MINIMUM STRUCTURAL REQUIREMENTS