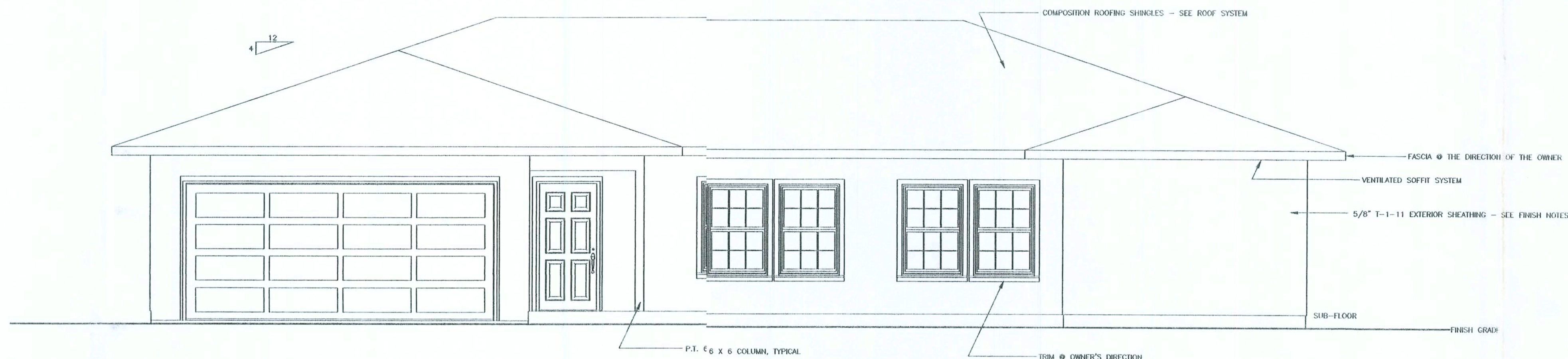
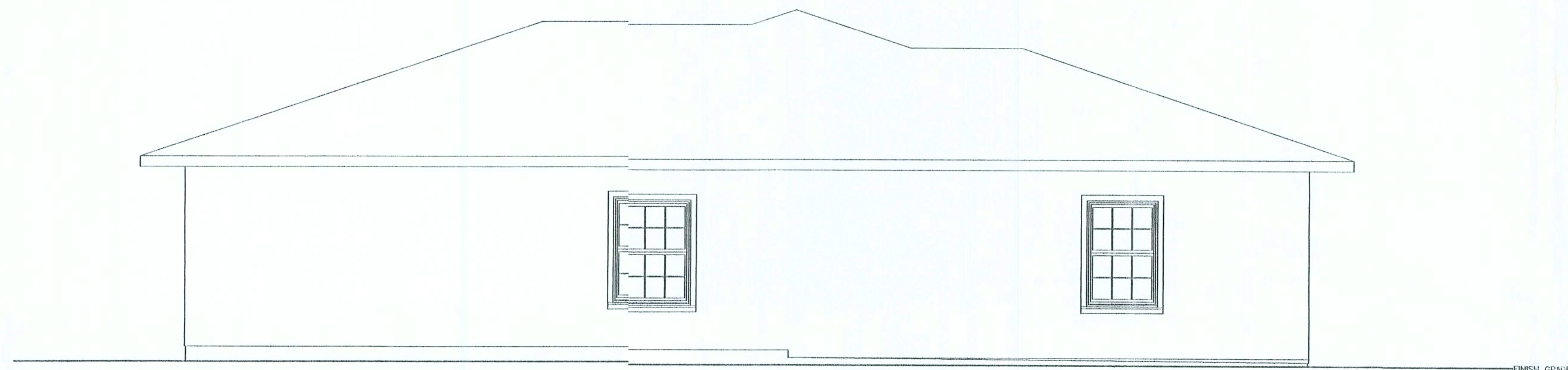


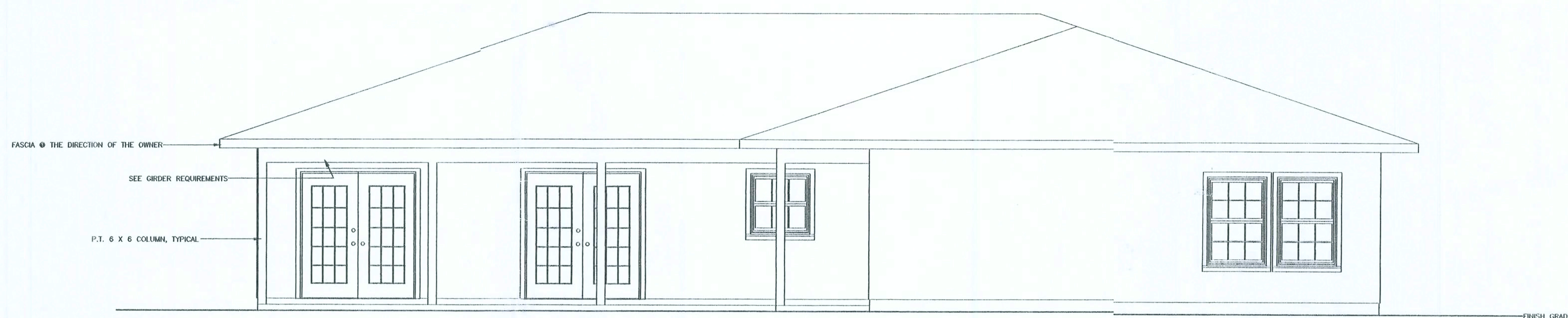
NOTE: THE CONTRACTOR IS DIRECTED TO REVIEW ALL CONSTRUCTION DRAWINGS & SPECIFICATIONS FOR ACCURACY & COMPLETENESS. ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION & CLARIFICATION. CONTRACTOR SHALL CONFIRM ALL EXISTING SIZE & ANY OTHER CONDITIONS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



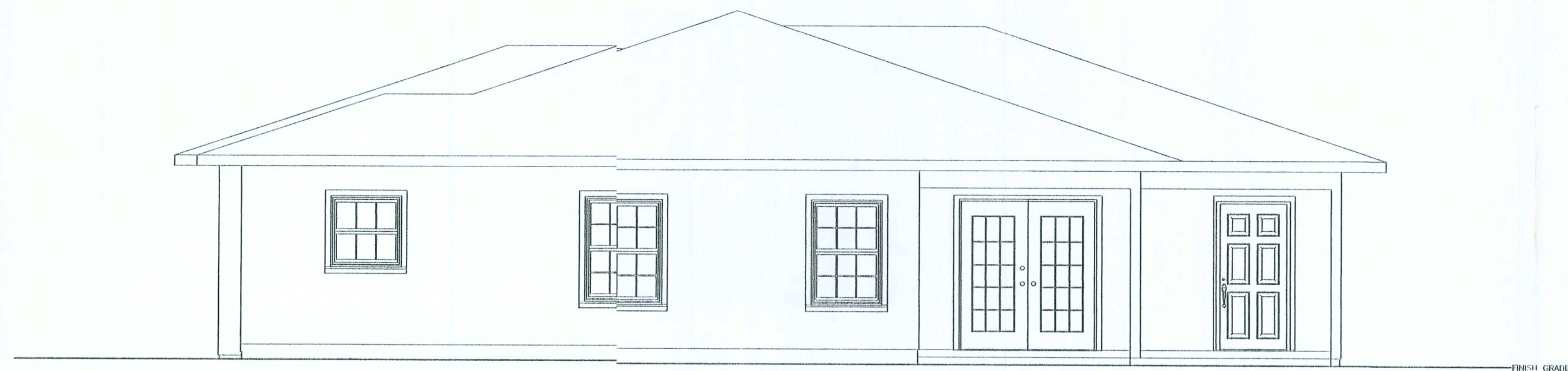
1 FRONT SIDEWALL EXTERIOR FINISH ELEVATION
A3.0.0 SCALE: 1/4" = 1'-0"



2 ENDWALL EXTERIOR FINISH ELEVATION
A3.0.0 SCALE: 1/4" = 1'-0"



3 REAR SIDEWALL EXTERIOR FINISH ELEVATION
A3.0.0 SCALE: 1/4" = 1'-0"



4 ENDWALL EXTERIOR FINISH ELEVATION
A3.0.0 SCALE: 1/4" = 1'-0"

| | |
|-------------------------|--------------|
| GROSS CONDITIONED AREA | 1767.52 S.F. |
| GARAGE | 453.85 S.F. |
| PORCH | 375.00 S.F. |
| ENTRY PORCH | 30.00 S.F. |
| TOTAL GROSS CONSTRUCTED | 2626.37 S.F. |

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

KEEN ENGINEERING
& SURVEYING, INC.

NORTHUP RESIDENCE
COLUMBIA COUNTY, FLORIDA

EXTERIOR FINISH ELEVATIONS
MISC. NOTES, REFERENCES & INSTRUCTIONS

PROJECT No.
NORTHUP-CLADDING
A3.0.0
DATE
08/09/06

CERTIFICATION:
THESE PLANS FOR THE NORTHUP 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 10/12/06
CURTIS E. KEEN, PE #23532

OFFICE COPY

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SCALE NOTE:
PLAN VIEW: 1/4"=1'-0"

| | |
|-------------------------|--------------|
| GROSS CONDITIONED AREA | 1767.52 S.F. |
| GARAGE | 453.85 S.F. |
| PORCH | 375.00 S.F. |
| ENTRY PORCH | 30.00 S.F. |
| TOTAL GROSS CONSTRUCTED | 2626.37 S.F. |

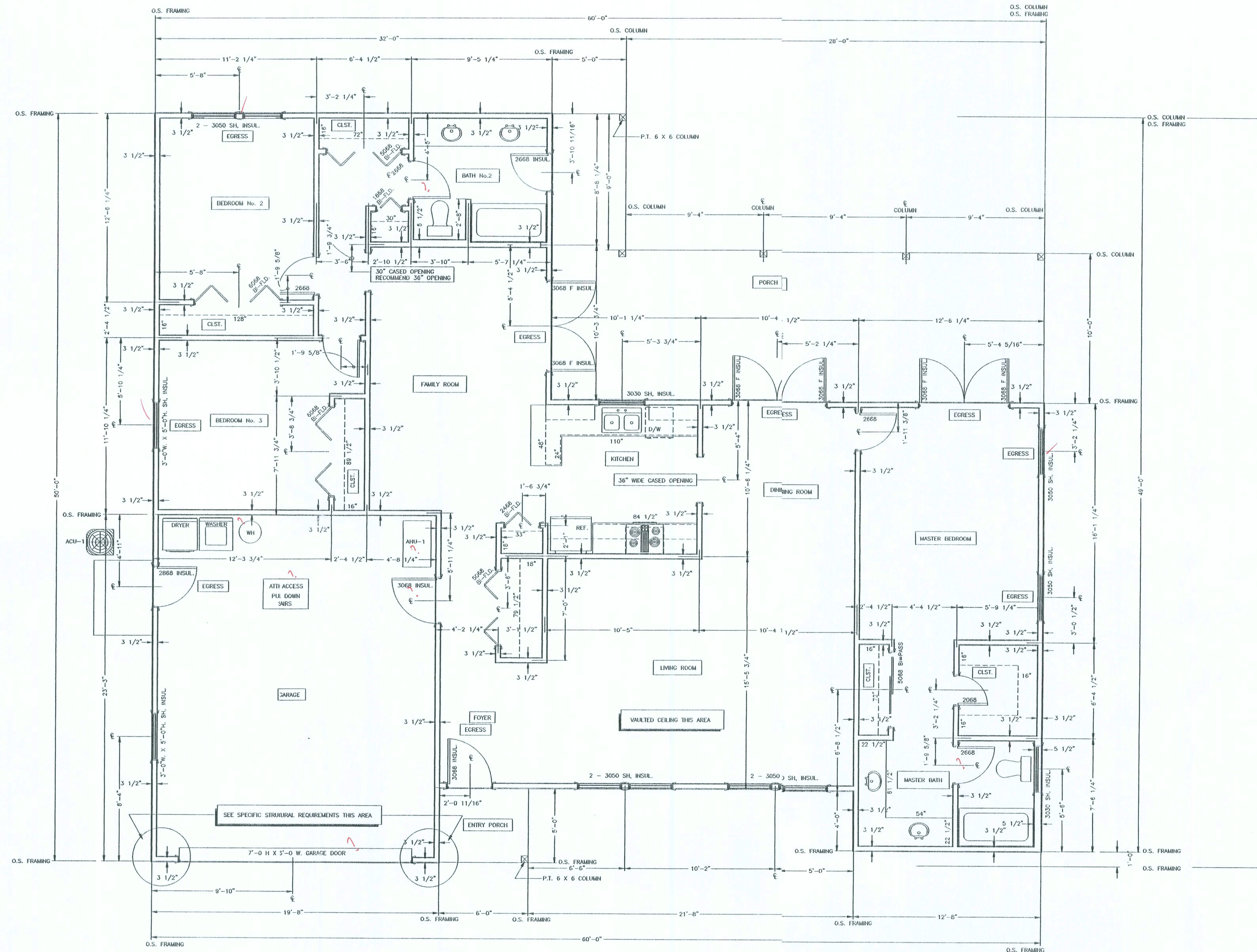
NOTE: DOOR SWINGS MAY BE REVERSED @ THE DIRECTION OF THE OWNER

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

GENERAL:

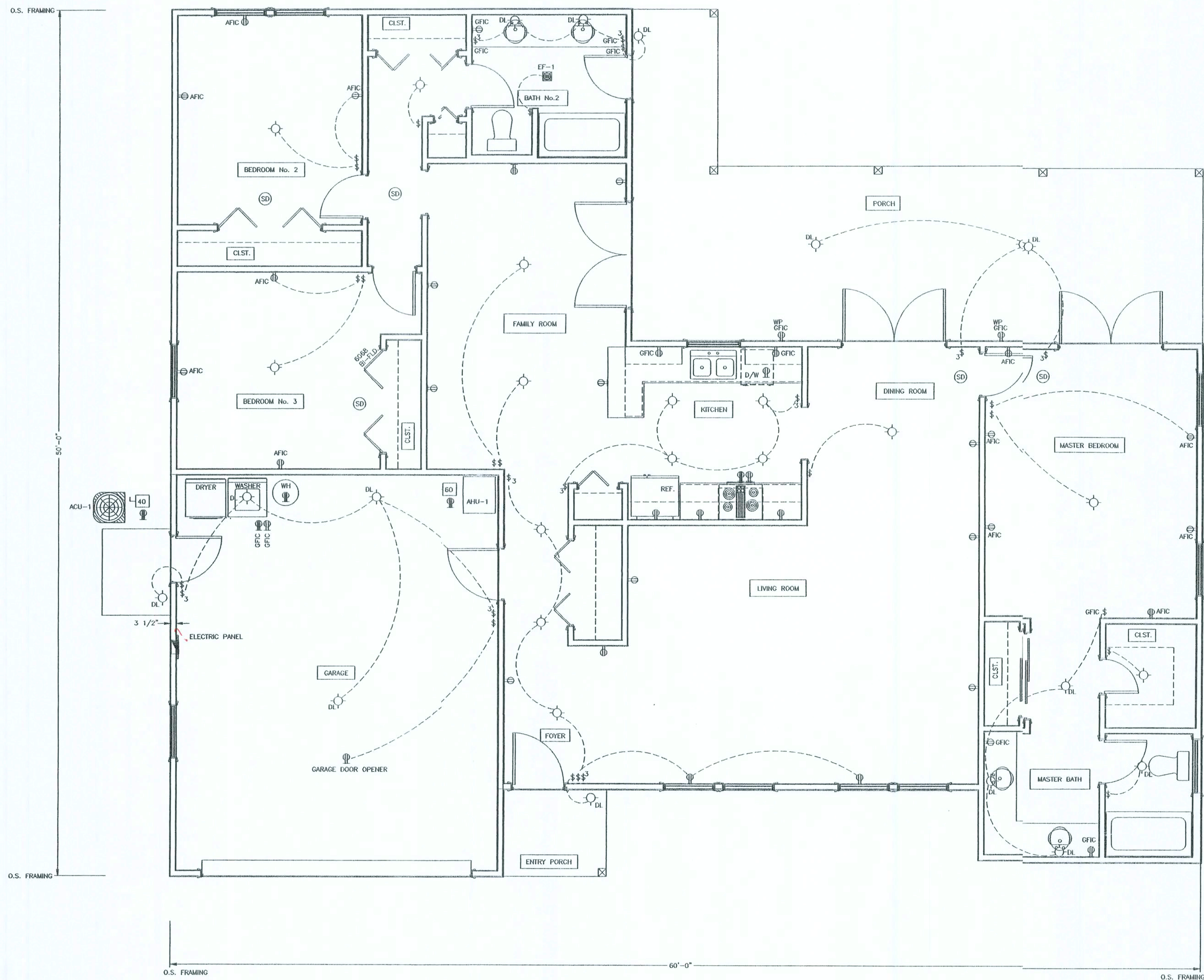
ALL STRUCTURAL MATERIAL MUST SATISFY THE MINIMUM REQUIREMENTS OF THE STANDARD BUILDING CODE AS REFERENCED TO PERMITS (S) IN DESIGN DATA.
ALL WOOD EXPOSED TO WEATHER SHALL BE PRESSURE TREATED OR RECEIVE A MANUALLY APPLIED PRESERVATIVE OR COATING.
ALL FASTENERS EXPOSED TO WEATHER TO BE HOT - DIPPED GALVANIZED.
ALL WOOD IN CONTACT WITH MASONRY SURFACES OR SOIL TO BE PRESSURE 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 MODIFIED 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 3/16" THICK. MINIMUM 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 MAXIMUM 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.

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

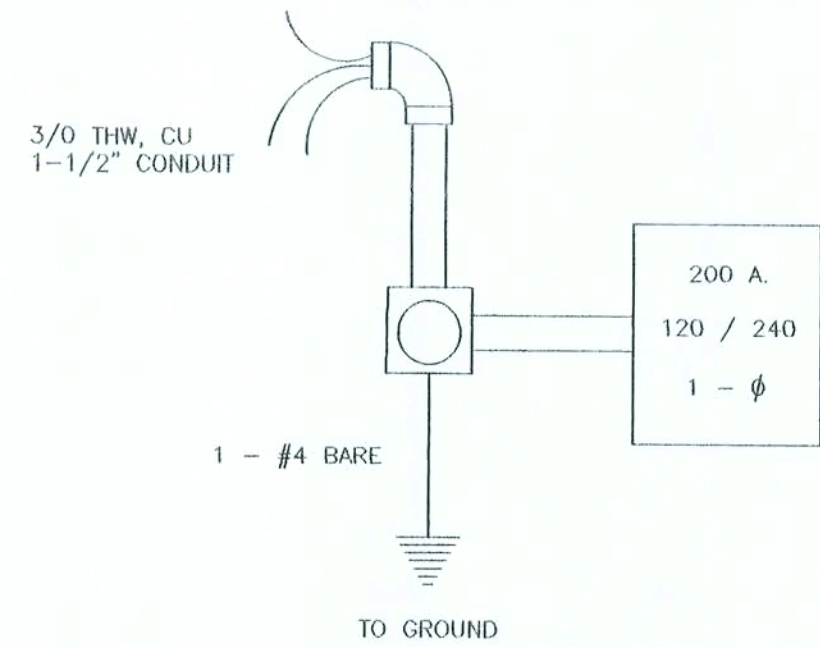


1 DIMENSIONED FIRST LEVEL FLOOR PLAN VIEW
SCALE: 1/4" = 1'-0"

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 SIZE & ANY OTHER CONDITIONS OF WHICH MAY AFFECT / EFFECT THE STRUCTURAL INTEGRITY OF THIS PROJECT.



1 ELECTRICAL & MECHANICAL PLAN VIEW
SCALE: 1/4" = 1'-0"



ELECTRICAL RISER

LOCATE ELECTRIC PANEL AT OWNERS DIRECTION

NOTES:
ELECTRICAL CONTRACTOR SHALL EXECUTE THE FOLLOWING REQUIREMENTS:
ALL EXPOSED ELECTRICAL SERVICE TO ITEMS INDICATED ON THE PLAN VIEW SHALL BE IN APPROPRIATELY SIZED RMT 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
ADDITIONAL LIGHTING SHALL BE @ THE DIRECTION OF THE OWNER
ADDITIONAL RECEPTACLES SHALL BE @ THE DIRECTION OF THE OWNER
ALL WORK SHALL BE IN ACCORDANCE W/ THE LATEST EDITION OF THE N.E.C.

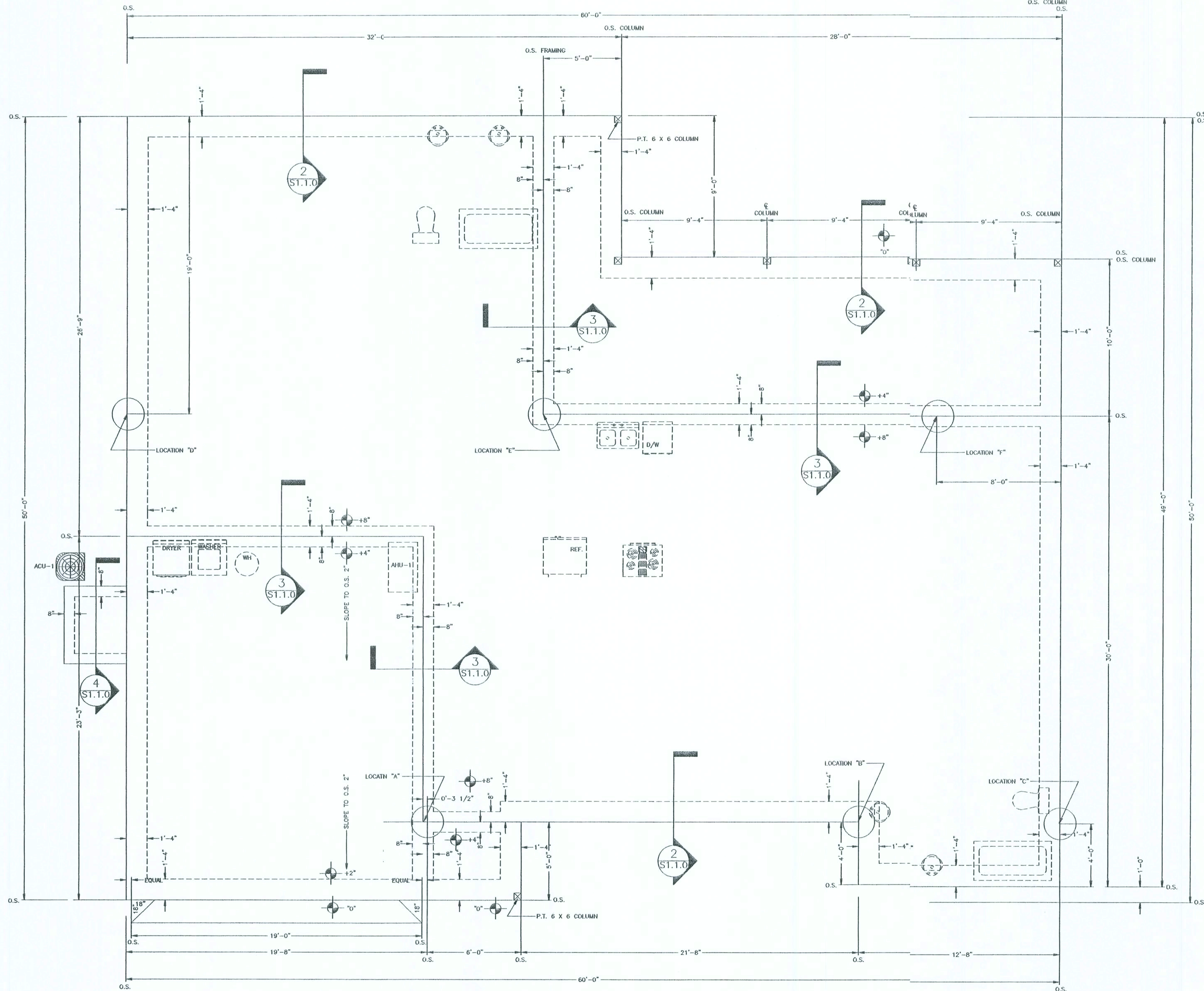
ELECTRICAL FIXTURE SYMBOLS

| | | | |
|--|--|--|--|
| | FLUORESCENT STRIP FIXTURE, SURFACE MOUNTED | | TELEPHONE OUTLET WALL MOUNTED 18" A.F.F. NOTE: LOCATE @ OWNER'S DIRECTION |
| | WALL BRACKET FLUORESCENT, SURFACE MOUNTED | | TELEPHONE DATA OUTLET, WALL MOUNTED 18" A.F.F. NOTE: LOCATE @ OWNER'S DIRECTION |
| | WALL BRACKET MOUNTED INCANDESCENT OR HID FIXTURE | | TELEVISION COAXIAL OUTLET 18" A.F.F. NOTE: LOCATE @ OWNER'S DIRECTION |
| | RECESSED DOWNLIGHT OR SURFACE MOUNTED FIXTURE | | SINGLE POLE TOGGLE SWITCH WALL MOUNTED 48" A.F.F. |
| | RECESSED DOWNLIGHT OR SURFACE MOUNTED FIXTURE - DAMP LOCATION RATED | | SINGLE POLE DIMMER SWITCH WALL MOUNTED 48" A.F.F. |
| | EXTERIOR FLOOD LIGHTING: LOCATIONS & SWITCHES @ OWNER'S DIRECTION | | THREE-WAY TOGGLE SWITCH |
| | GROUND MOUNTED FLOOD OR DIRECTIONAL DOWNLIGHT LOW VOLTAGE SYSTEM @ THE DIRECTION OF THE OWNER | | SINGLE POLE MOTOR RATED TOGGLE SWITCH |
| | EXHAUST FAN: OWNER APPROVED PROVIDING A MIN. OF 75 CFM | | FLUSH MOUNTED 120/240 PANEL TOP @ 6'-6" A.F.F. - LOCATE @ OWNER'S DIRECTION |
| | EXHAUST FAN: OWNER APPROVED PROVIDING A MIN. OF 90 CFM | | JUNCTION BOX |
| | EXHAUST FAN: OWNER APPROVED PROVIDING A MIN. OF 75 CFM | | DISCONNECT SWITCH: SIZE AS NOTED |
| | EXHAUST FAN: OWNER APPROVED PROVIDING A MIN. OF 330 CFM | | OWNER SELECTED CEILING FAN W/ OPTIONAL LIGHT KIT @ OWNER SELECTED LOCATIONS |
| | EXHAUST FAN: OWNER APPROVED KITCHEN STOVE EXHAUST | | SMOKE DETECTOR: CEILING MOUNTED UNLESS OTHERWISE NOTED BY FIRE MARSHAL |
| | DUPLEX RECEPTACLE, WALL MOUNTED 18" A.F.F. WEATHERPROOF BOX / CONNECTION | | |
| | DUPLEX RECEPTACLE W/ AFC FAULT CIRCUIT INTERRUPTER, WALL MOUNTED | | |
| | DUPLEX RECEPTACLE W/ GROUND FAULT CIRCUIT INTERRUPTER, WALL MOUNTED | | |
| | 220 RECEPTACLE / CONNECTION - SEE PLANS | | |

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.

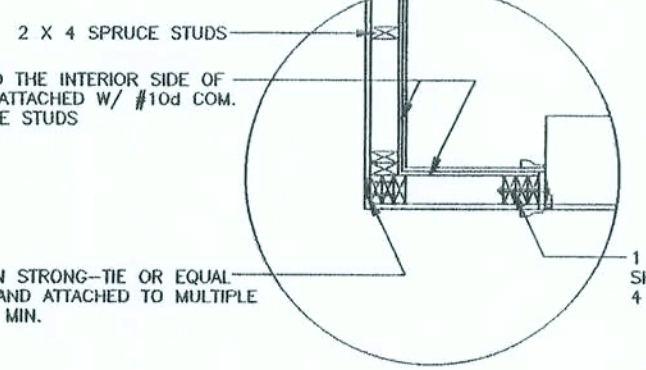
ALL BEDROOM RECEPTACLES TO BE ARC FAULT INTERRUPTER CIRCUIT.

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1 DIMENSIONED FOUNDATION PLAN VIEW
SCALE: 1/4" = 1'-0"

7/16" SHEATHING SHALL BE APPLIED TO THE INTERIOR SIDE OF WALL AREAS(S) DESCRIBED & SHALL BE ATTACHED W/ #104 COM. NAILS @ 3" O.C. TO THE 2 X 4 SPRUCE STUDS



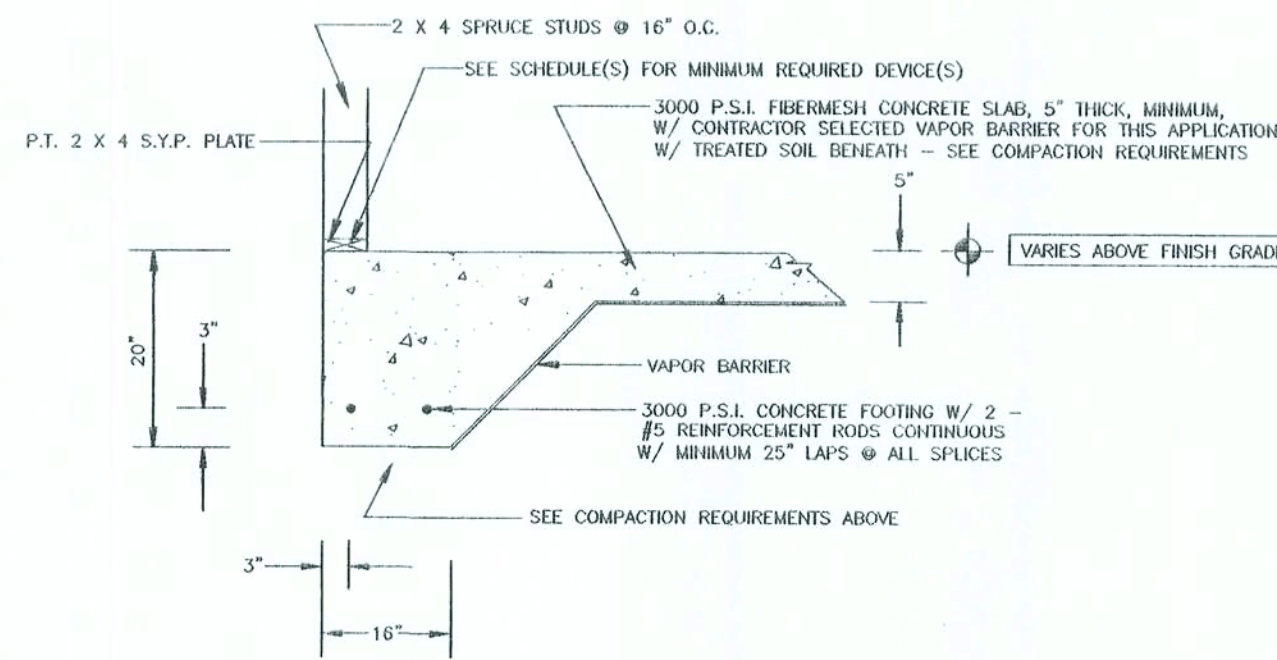
DETAIL @ EACH SIDE OF GARAGE DOOR OPENING

FOUNDATION NOTES, REQUIREMENTS & INSTRUCTIONS

| | |
|-------------------|---|
| 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. SPRINKLES 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 WALL FOOTINGS W/ A STANDARD BEND OF 6". |
| METAL ACCESSORIES | ALL JOINT REINFORCEMENT & ANCHOR TIES SHALL CONFORM TO ASTM A 36, ASTM A 36, & ASTM A 36 AS REQUIRED. LONGITUDINAL WIRING 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 MILL 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. ALL FILL MATERIAL SHALL BE INORGANIC 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. ELASTICITY, LW - 15 MAXIMUM C. DRY UNIT WEIGHT - 100 LBS. PER CU. FT. ALL FILL MATERIAL SHALL BE UNIFORMITY PLACED AT OPTIMUM MOISTURE CONTENT IN 6 INCH UNIFORM LAYERS AND COMPACTED TO A DENSITY OF 98% OF THE STANDARD PROCTOR AND IN ACCORDANCE W/ ASTM D 698. FOOTING EXCAVATIONS SHALL BE INSPECTED BEFORE PLACING ANY CONCRETE TO ENSURE THAT FOOTINGS SHALL REST ON SOUND EARTH. ALL SOIL GROVES MUST BE LEVEL, SMOOTH AND UNIFORMLY COMPACTED. SUB GRADE MUST BE ACCURATE WITHIN 1/4 INCH OF THE DESIGNATED LEVEL. ANY WALL WHEN 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 UNEVEN 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. 2,000 P.S.F. SOIL BEARING PRESSURE SHALL BE OBTAINED UNDER ALL FOOTINGS & SLABS. |

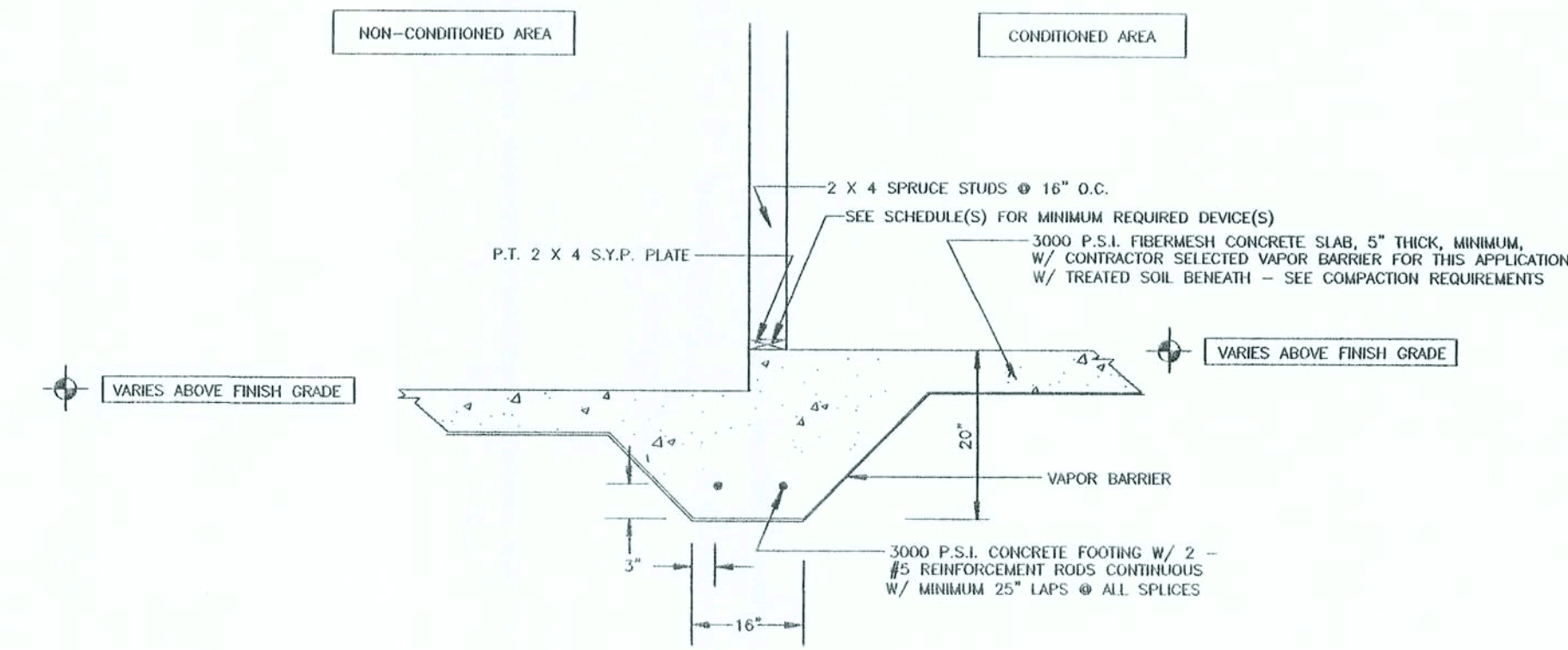
SCHEDULE OF REQUIRED FOUNDATION SYSTEM MECHANICAL FASTENERS

| | | |
|------------------------|---------------------------|---|
| EXTERIOR WALLS | STUD 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 & 8" O.C. MAXIMUM @ THE PERIMETER EXTERIOR CONDITIONED WALL(S). REFER TO REFERENCED SECTIONS & DETAILS COORDINATING W/ PLAN VIEWS |
| EXTERIOR WALLS | BUILT-UP GRIDDERS | LOCATION OF EXTERIOR OPENINGS 3'-0" OF LESS IN WIDTH - SEE PLAN VIEWS FOR LOCATIONS: 1 - MODEL NO. HP4H22 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED & SHALL BE ATTACHED TO MINIMUM 3 CONTINUOUS STUDS EACH SIDE W/ 12 - 16d COMMON NAILS, MINIMUM @ EACH SIDE OF 3'-0" OR LESS OPENINGS IN EXTERIOR WALL LOCATION OF EXTERIOR OPENING @ REAR WALL MULTIPLE WINDOW & DOOR OPENINGS - SEE PLAN VIEWS FOR LOCATIONS 1 - MODEL NO. HP4H22 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED ATTACHED TO MINIMUM 5 CONTINUOUS STUDS W/ 16 - 16d COMMON NAILS, MINIMUM @ EACH SIDE OF DOOR AND WINDOW OPENINGS IN EXTERIOR WALL |
| EXTERIOR WALLS | COLUMNS | LOCATION OF BUILT-UP GRIDER BEARING @ ALL PORCH AREAS: SEE PLAN VIEWS 1 - MODEL NO. HP4H22 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED @ DWELLING ATTACHMENT SIDE OF GRIDDERS W/ MINIMUM 4 - CONTINUOUS STUDS BEARING BENEATH ALL GRIDER TRUSSES - COORDINATE W/ ROOF SYSTEM ATTACH TO MULTIPLE STUDS W/ 10 - 16d COMMON NAILS & 4 - 16d COMMON NAILS TO GRIDER 1 - MODEL NO. HP4H22 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED @ DWELLING ATTACHMENT SIDE OF GRIDDERS W/ MINIMUM 4 - CONTINUOUS STUDS BEARING BENEATH ALL GRIDER TRUSSES - COORDINATE W/ ROOF SYSTEM ATTACH TO MULTIPLE STUDS W/ 13 - 16d COMMON NAILS, MINIMUM |
| EXTERIOR WALLS | LOCATIONS "A" THROUGH "F" | LOCATION OF P.T. 6 X 6 COLUMNS: SEE PLAN VIEWS 1 - MODEL NO. AB66 BY SIMPSON STRONG-TIE OR EQUAL @ COLUMN BOT. TO CONCRETE SLAB/STEM WALL CONNECTION ATTACH DEVICE TO COLUMN W/ 8 - 16d COMMON NAILS & ATTACH DEVICE TO CONCRETE W/ 1 - 5/8" GALV. STEEL ANCHOR BOLT SEE PLAN VIEW FOR SPECIFIC LOCATIONS "A" THROUGH "F" FOR THE FOLLOWING DEVICES 1 - MODEL NO. HP4H22 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED @ DWELLING ATTACHMENT SIDE OF GRIDDERS W/ MINIMUM 4 - CONTINUOUS STUDS BEARING BENEATH ALL GRIDER TRUSSES - COORDINATE W/ ROOF SYSTEM ATTACH TO MULTIPLE STUDS W/ 13 - 16d COMMON NAILS, MINIMUM |
| INTERIOR BEARING WALLS | STUD 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 & 8" O.C. MAXIMUM ALONG THE INTERIOR BEARING WALL(S). REFER TO REFERENCED SECTIONS & DETAILS COORDINATING W/ PLAN VIEWS |
| NOTES: | | SEE ALSO FOUNDATION NOTES & REQUIREMENTS SEE ALSO SHEATHING DETAILS & REQUIREMENTS |



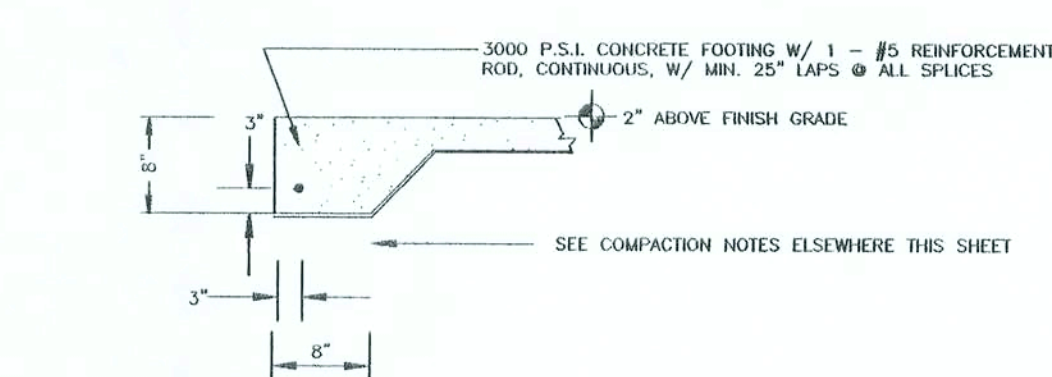
2 SECTION @ PERIMETER FOOTING

ILLUSTRATION @ CONDITIONED AREA(S) - SIMILAR @ PORCHES



3 SECTION THRU "STEPPED DOWN" AREAS

ILLUSTRATION @ PORCH AREAS - SIMILAR @ GARAGE/STORAGE



4 SECTION THRU PORCH AREA(S) PERIMETER

SCALE NOTE:
PLAN VIEW 1/4"=1'-0"

9263 CR 417
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386-582-4787
ENG. LIC. EB 3761

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& SURVEYING, INC.

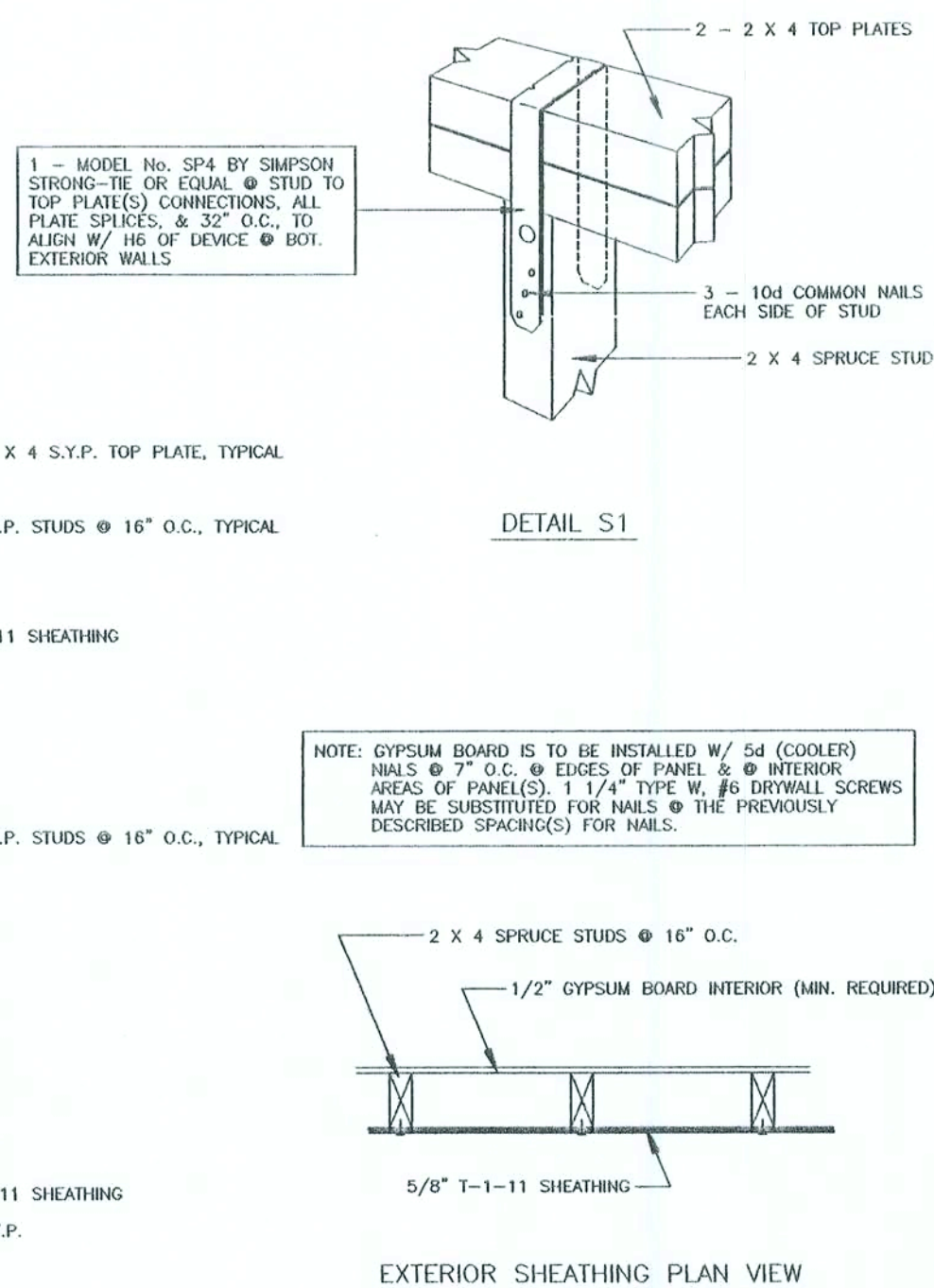
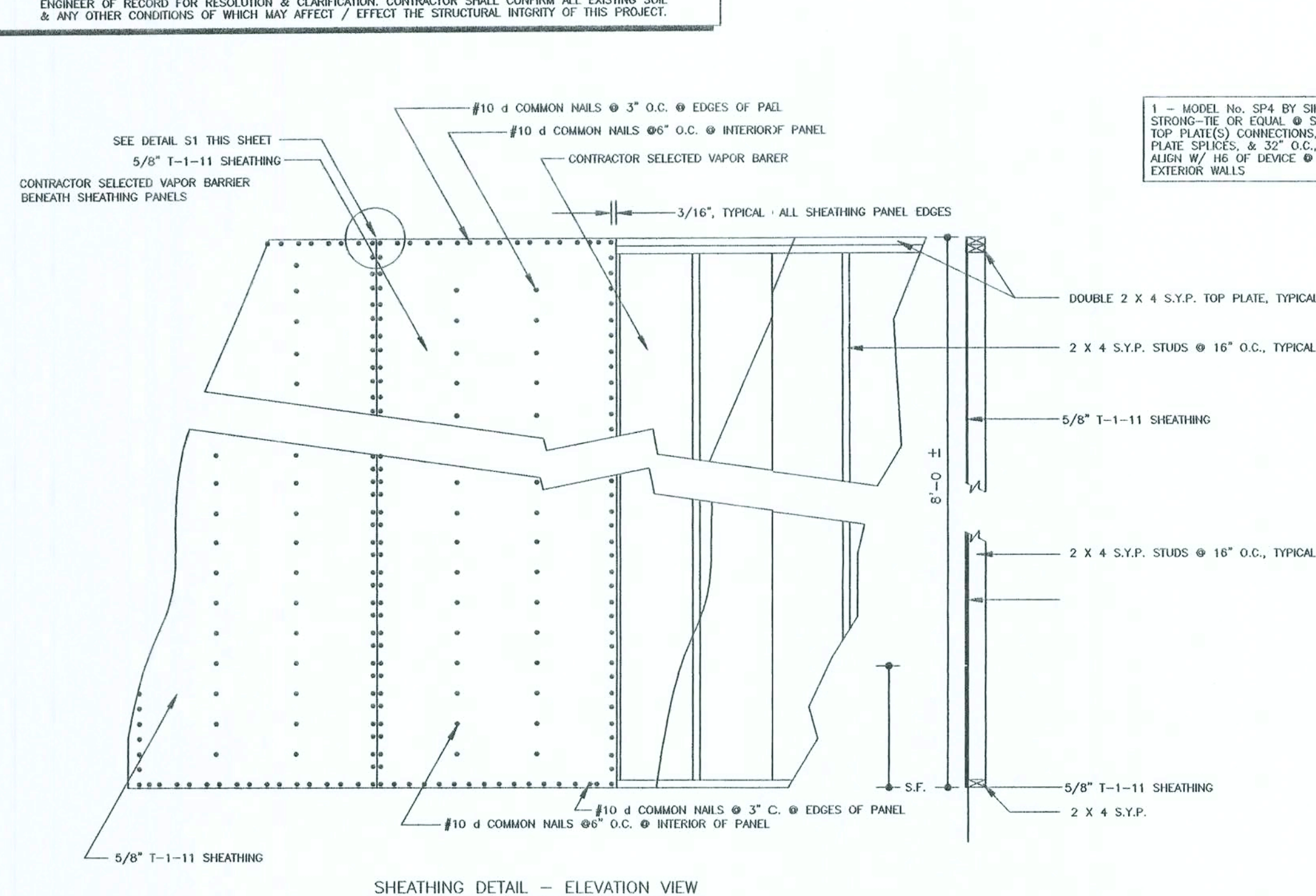
NORTHUP RESIDENCE
COLUMBIA COUNTY, FLORIDA

UNRECORDED FOUNDATION PLAN VIEW
REFERENCED SECTIONS & DETAILS
MISC. NOTES, REFERENCES & INSTRUCTIONS

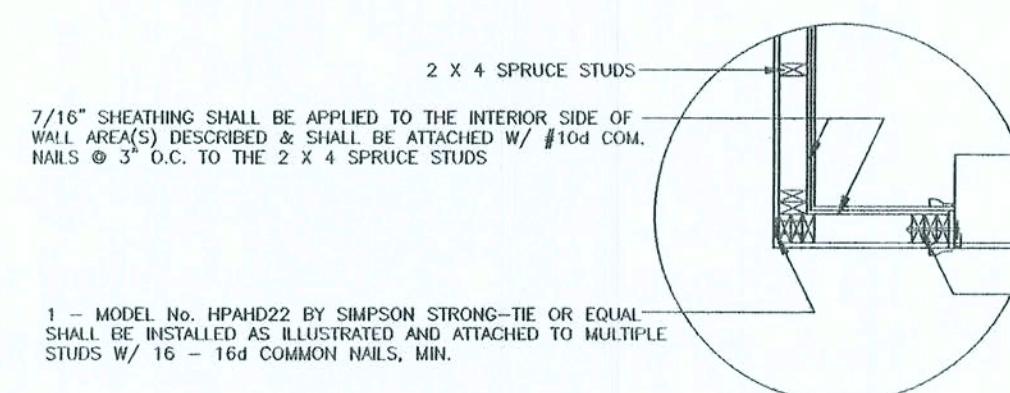
PROJECT No.
NORTHUP-S1.0.0.DWG
SHEET No.
S1.0.0
DATE
09/09/06

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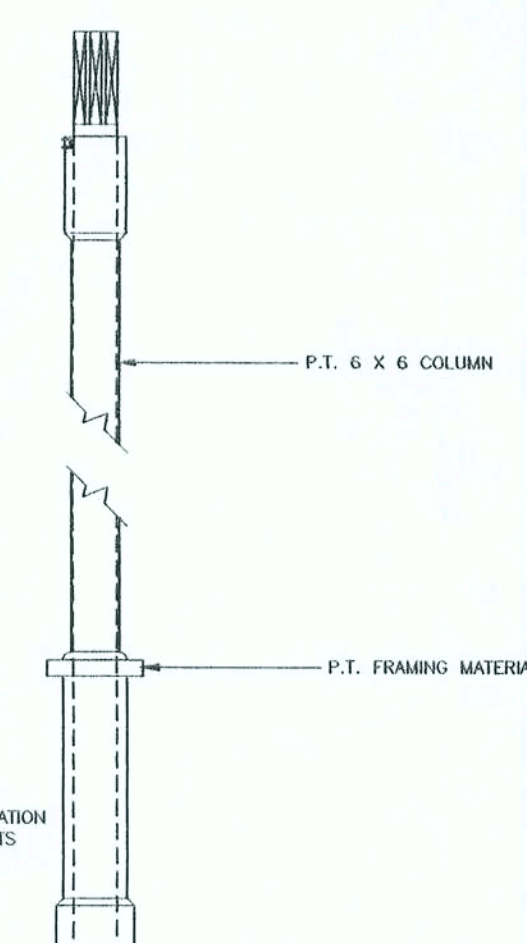
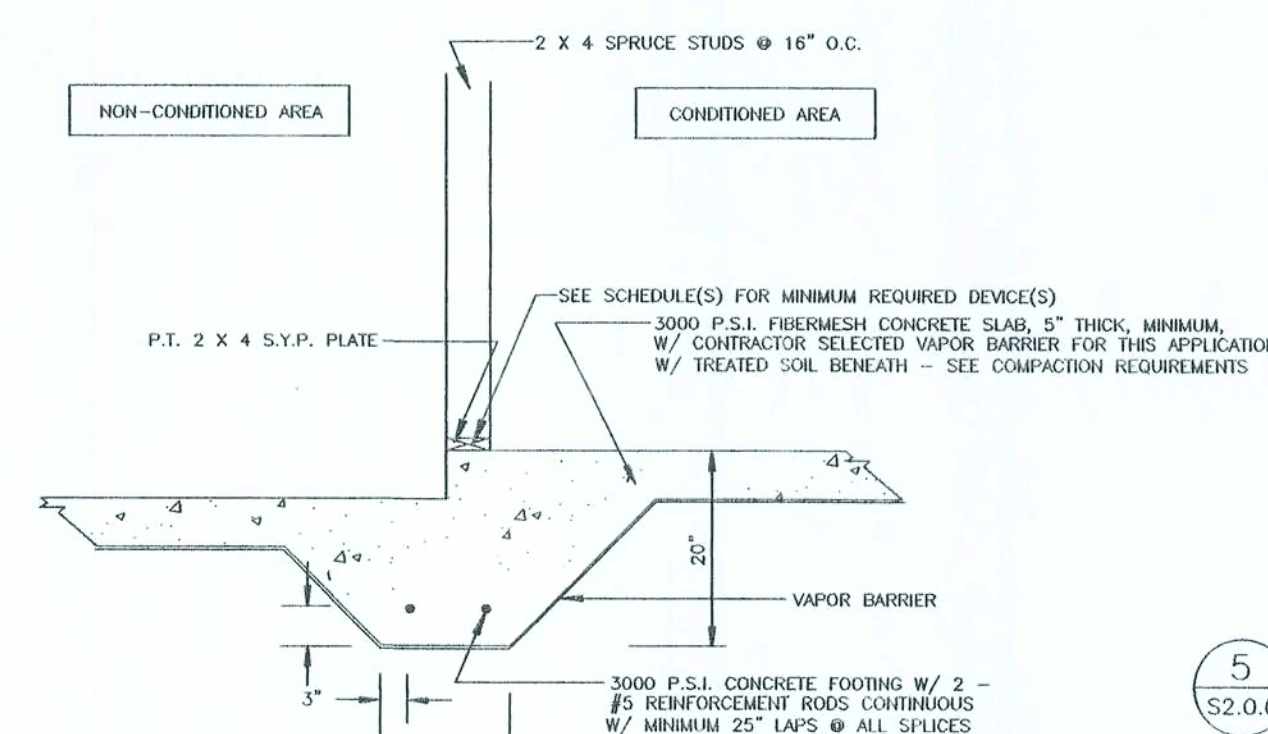
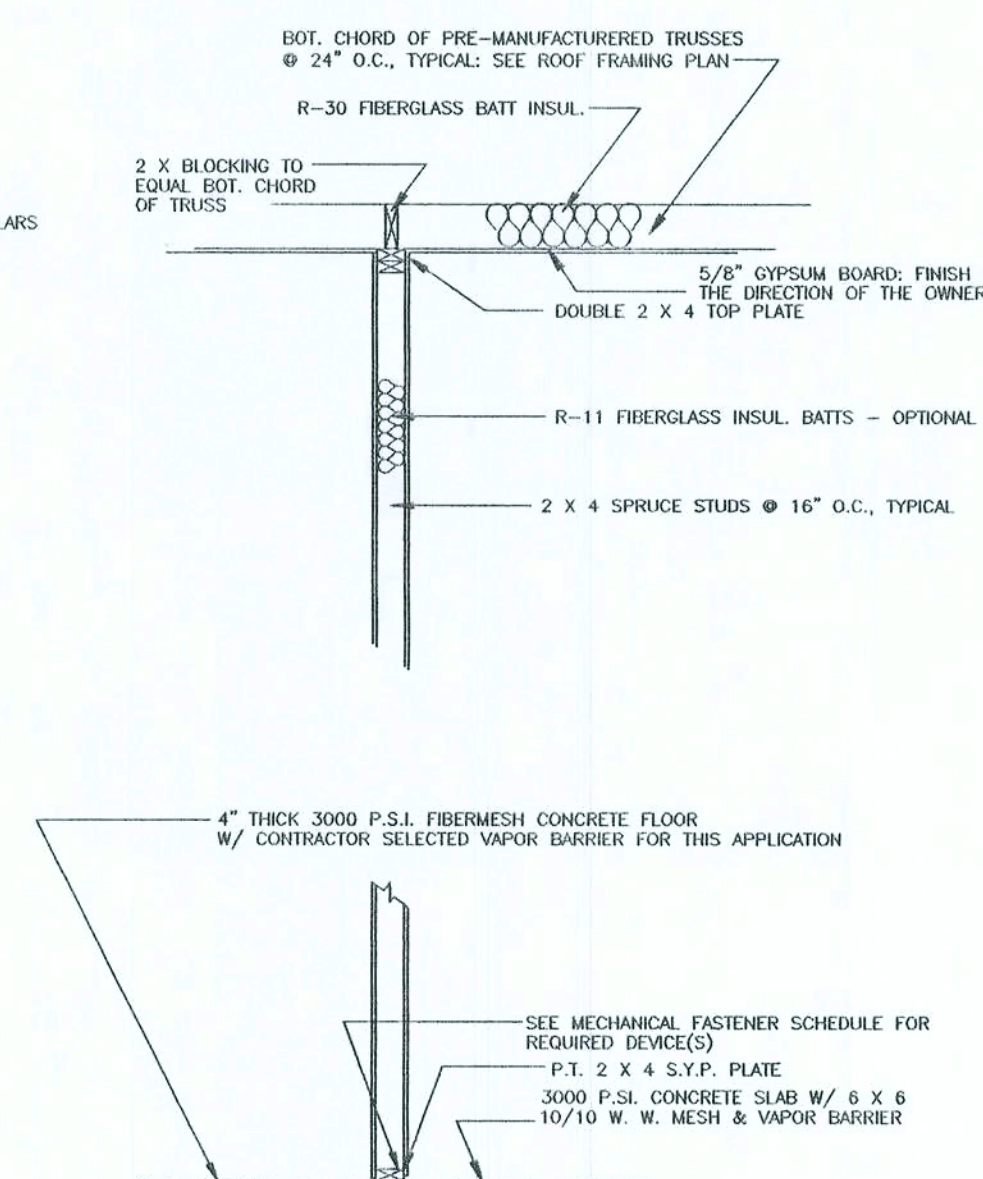
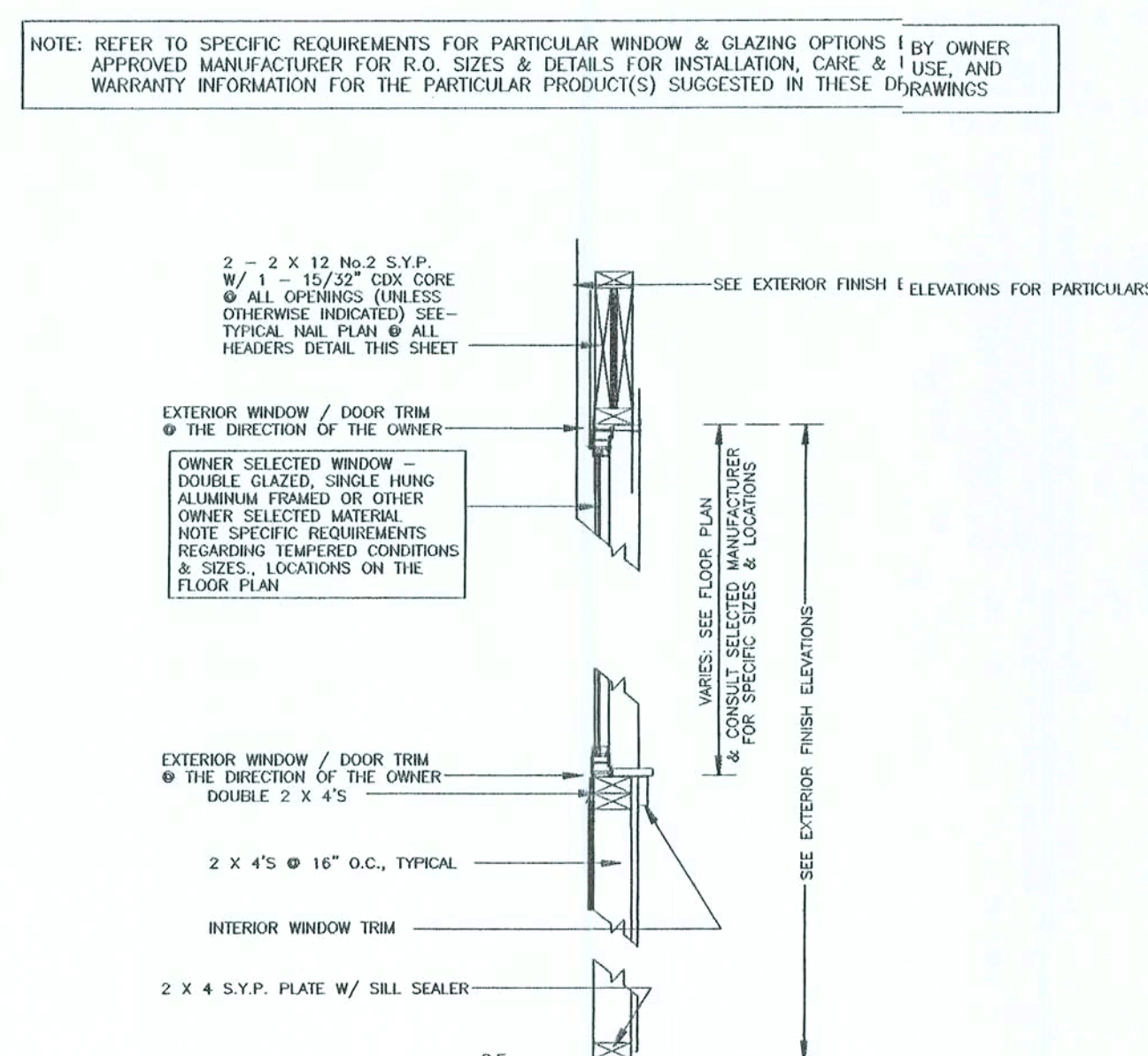
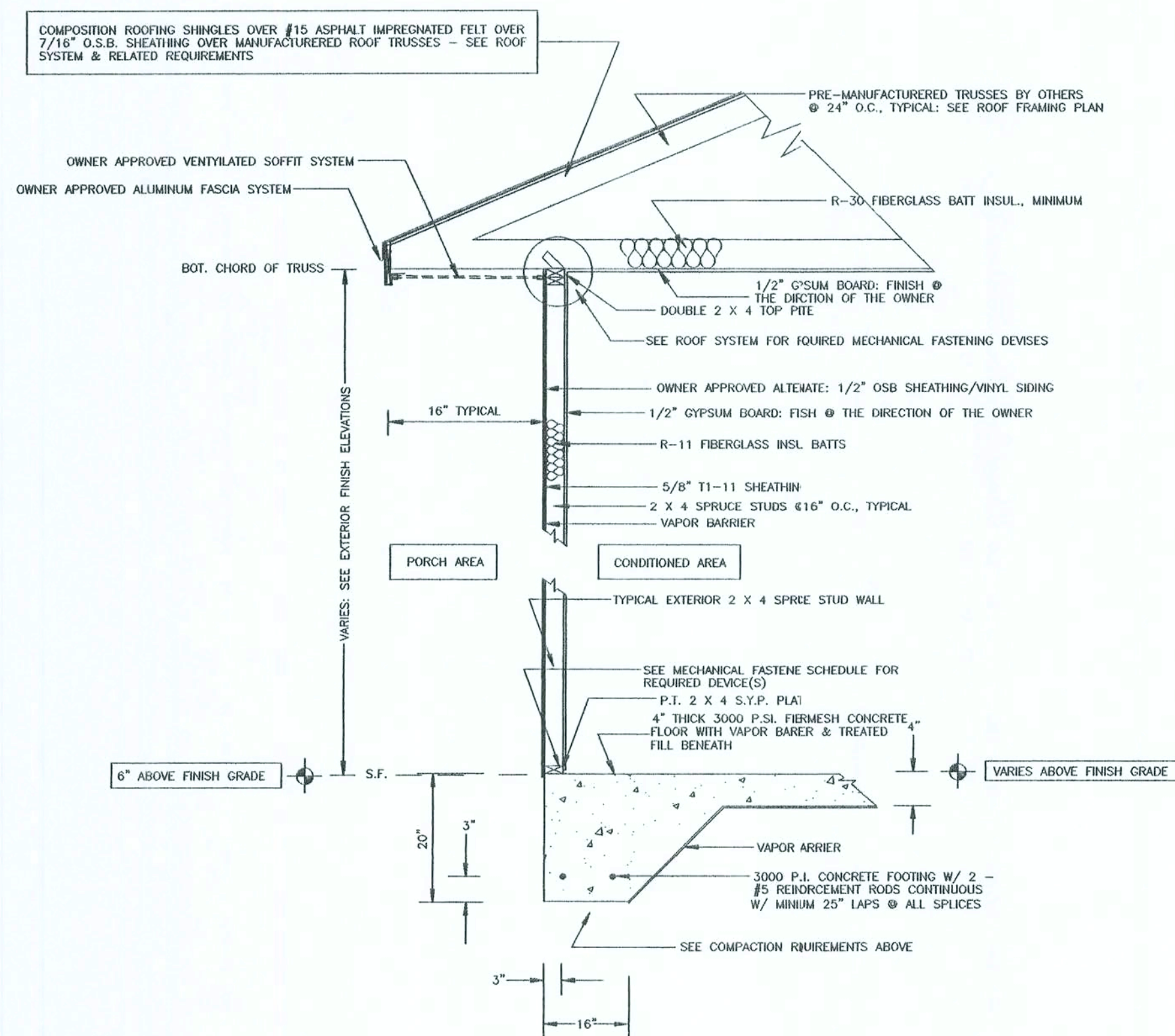
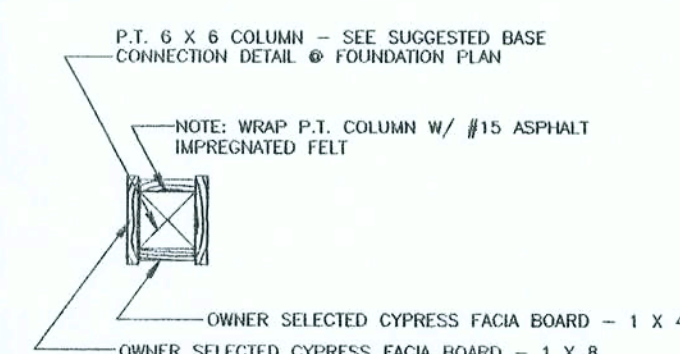
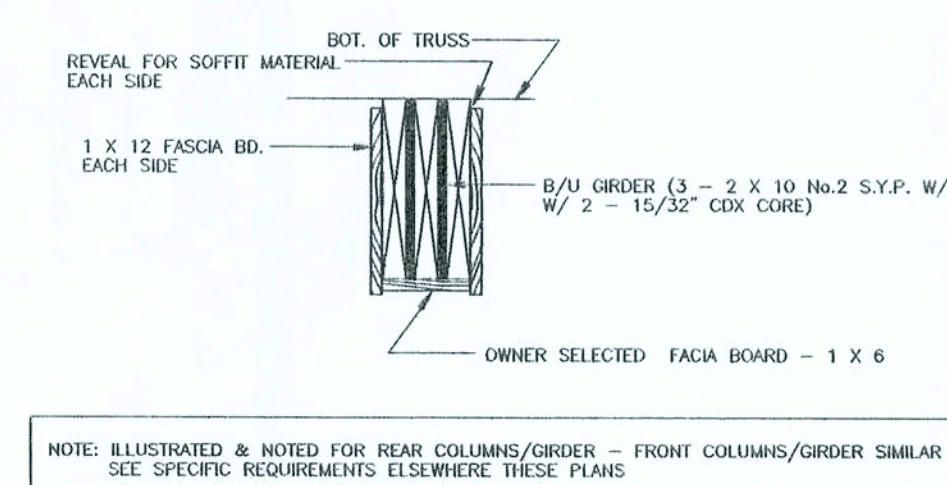
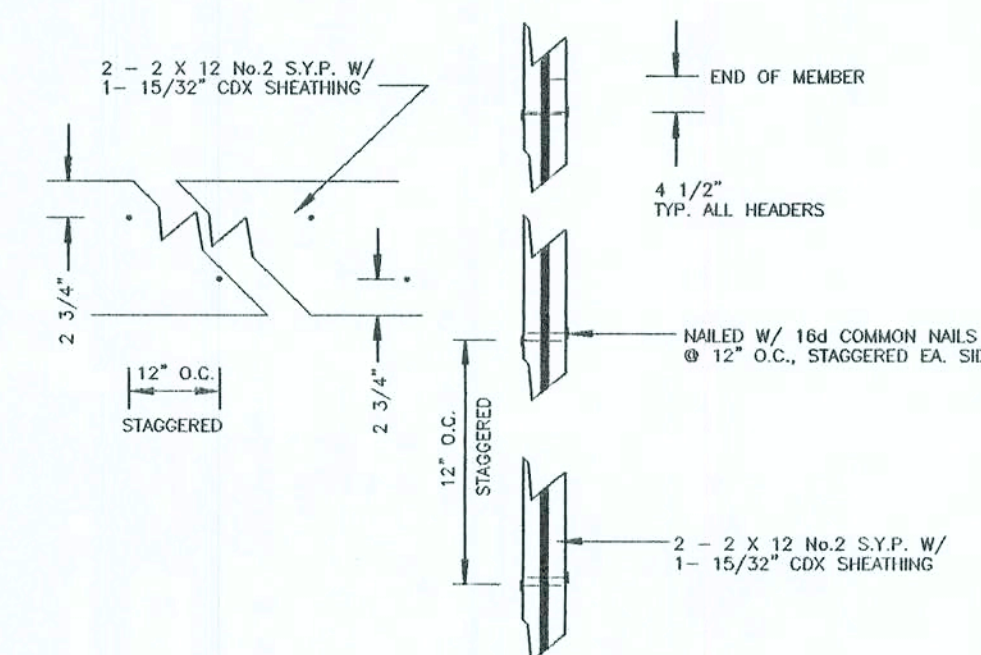
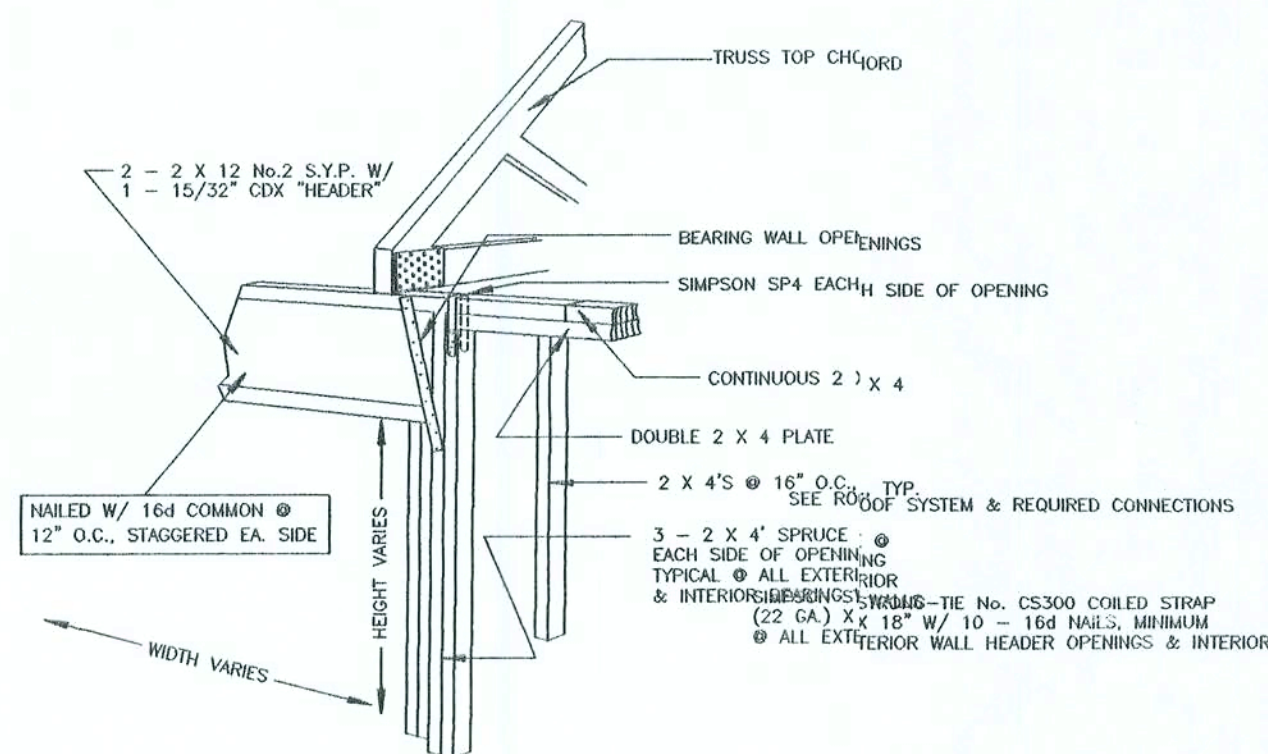
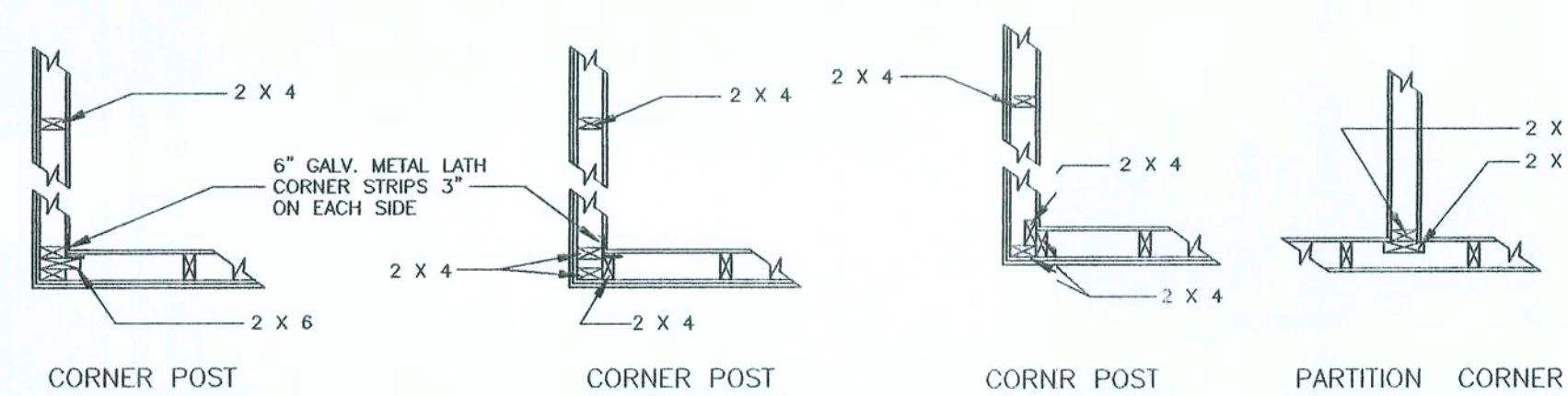
SCALE NOTE:
DETAILS & SECTIONS: N.T.S.



| 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 SPLIC |
| 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 |



| SCHEDULE OF REQUIRED FOUNDATION SYSTEM MECHANICAL FASTENERS | | | |
|---|----------------------|---|--|
| EXTERIOR WALLS | STUD WALLS | <p>LOCATION OF 1/2" A307 ANCHOR BOLTS: SEE PLAN VIEWS</p> <p>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 AROUND THE PERIMETER EXTERIOR CONCRETED WALL(S)</p> <p>REFER TO REFERENCED SECTIONS & DETAILS COORDINATING W/ PLAN VIEWS</p> | |
| | BUILT-UP SIDING | <p>LOCATION OF EXTERIOR OPENINGS 3'-0" OR LESS IN WIDTH – SEE PLAN VIEWS FOR LOCATIONS:</p> <p>1 – MODEL NO. PH4204 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED & SHALL BE ATTACHED TO MINIMUM 3 CONTINUOUS STUDS EACH SIDE W/ 12 – 16d COMMON NAILS, MINIMUM @ EACH SIDE OF 3'-0" OR LESS OPENINGS IN EXTERIOR WALL</p> <p>LOCATION OF EXTERIOR OPENING @ REAR WALL MULTIPLE WINDOW & DOOR OPENINGS – SEE PLAN VIEWS FOR LOCATIONS</p> <p>2 – MODEL NO. PH4204 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED ATTACHED TO MINIMUM 5 CONTINUOUS STUDS STUDS W/ 16 – 16d COMMON NAILS, MINIMUM @ EACH SIDE OF DOOR AND WINDOW OPENINGS IN EXTERIOR WALL</p> | |
| | COLUMNS | <p>LOCATION OF BUILT-UP GIRDER BEARING @ ALL PORCH AREAS: SEE PLAN VIEWS</p> <p>1 – MODEL NO. 1608 MI BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED @ DWELLING ATTACHMENT SIDE OF GIRDERS W/ MINIMUM 4 – CONTINUOUS STUDS BEARING BENEATH ALL GIRDER TRUSSES – COORDINATE W/ ROOF SYSTEM ATTACH TO MULTIPLE STUDS W/ 10 – 16d COMMON NAILS & 4 – 16d COMMON NAILS TO GIRDER</p> | |
| | LOOKING "X" OVER "Y" | <p>1 – MODEL NO. PH4202 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED @ DWELLING ATTACHMENT SIDE OF GIRDERS W/ MINIMUM 4 – CONTINUOUS STUDS BEARING BENEATH ALL GIRDER TRUSSES – COORDINATE W/ ROOF SYSTEM ATTACH TO MULTIPLE STUDS W/ 13 – 16d COMMON NAILS, MINIMUM</p> | |
| INTERIOR BEARING WALLS | STUD WALLS | <p>LOCATION OF 1/2" A307 ANCHOR BOLTS: SEE PLAN VIEWS</p> <p>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 AROUND THE INTERIOR BEARING WALL(S)</p> <p>REFER TO REFERENCED SECTIONS & DETAILS COORDINATING W/ PLAN VIEWS</p> | |
| | LOOKING "X" OVER "Y" | <p>SEE ALSO FOUNDATION NOTES & REQUIREMENTS</p> <p>SEE ALSO SHEATHING DETAILS & REQUIREMENTS</p> | |



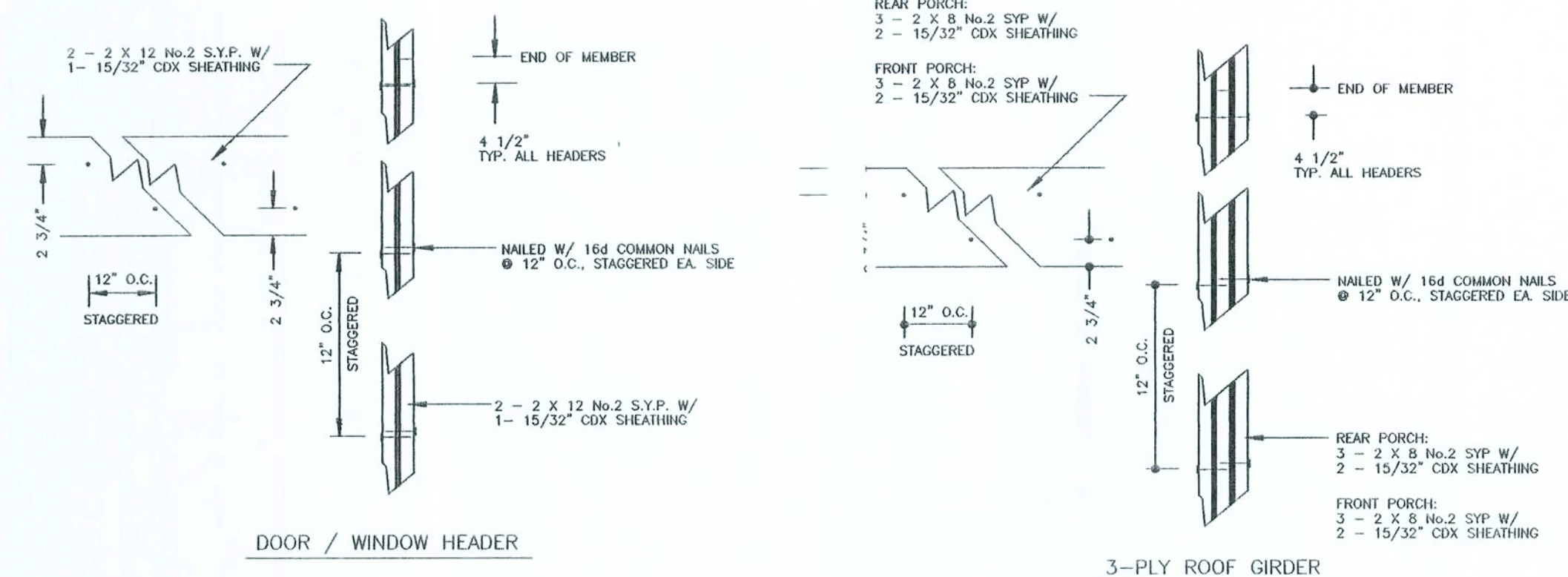
1 SECTION THROUGH TYPICAL DWELLING EXTERIOR WALL
\$2.0.0

2 SECTION THROUGH TYPICAL EXTERIOR WALL OPENING(S)
S2.0.0

3 SECTION THROUGH NON-BEARING WALL(S) TO TRUSS
S2.0.0

4 SECTION THRU "STEPPED DOWN" AREAS
S2.0.0 ILLUSTRATION @ PORCH AREAS - SIMILAR @ GARAGE/STORAGE

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 & 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. DRAWING(S) (IF ANY) DEPICTED 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 WEARING, CHORD MEMBER SIZES OR PLATE CONNECTIONS.

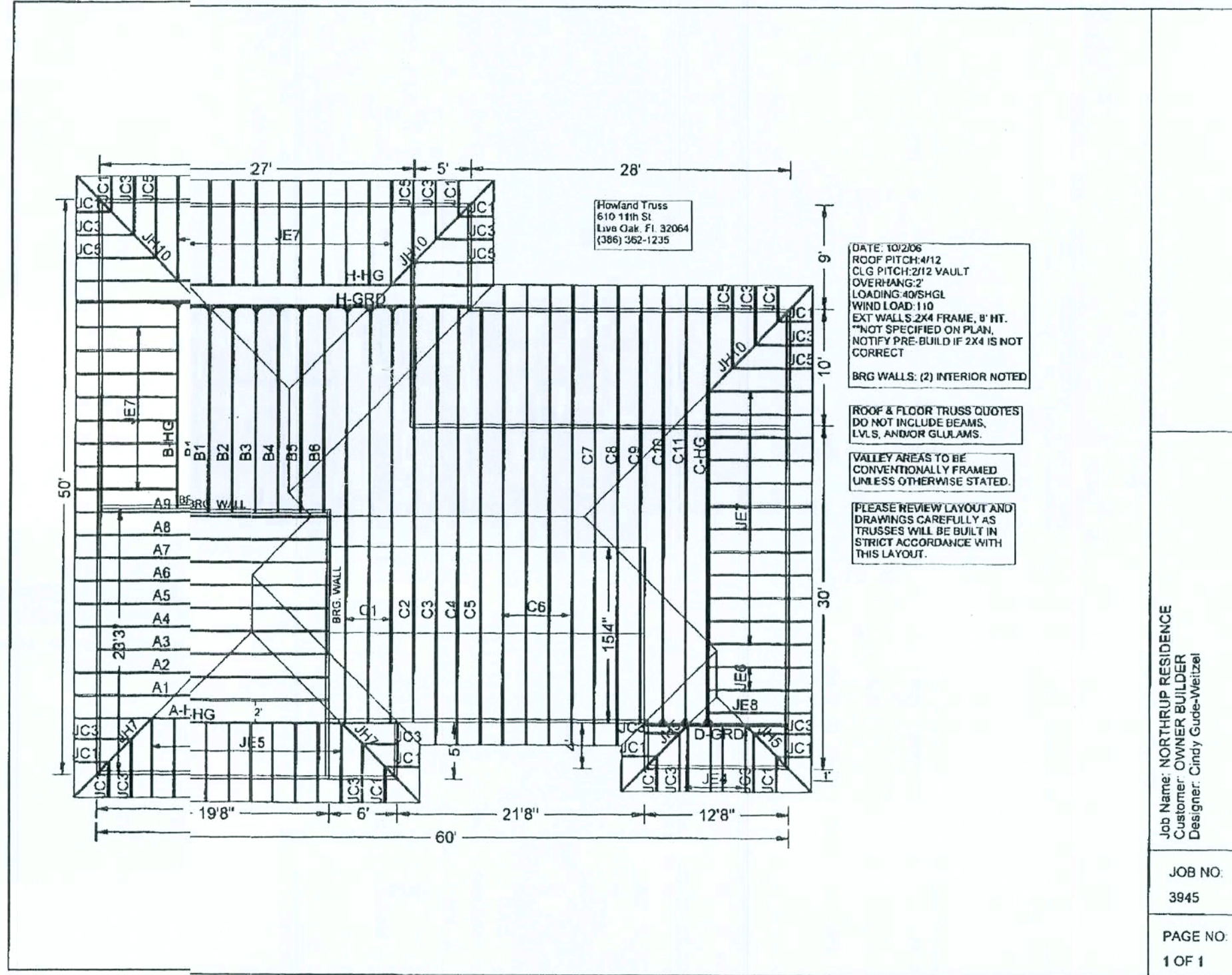
NOTE: MANUFACTURER TO SPECIFY ALL BRACING, HANDLING & INSTALLATION PRACTICE TO ENSURE PROPER STRUCTURAL INTEGRITY OF INSTALLED TRUSSES.

SCHEDULE OF REQUIRED ROOF SYSTEM MECHANICAL FASTENERS

| No. | REFERENCE TO ROOF TRUSSES & LAYOUT BY W.B. HOWLAND TRUSS COMPANY No. 3945 /NORTHUP RESIDENCE/DATED 10/02/06 |
|-----------------|---|
| A-HG | 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR TOP PLATES OR HEADER 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. H5 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO INTERIOR TOP PLATES OR HEADER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTIONS W/ 4 - 8d COMMON NAILS |
| A-1 THRU A-9 | 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR TOP PLATES OR HEADER 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. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO INTERIOR TOP PLATES OR HEADER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTIONS W/ 4 - 8d COMMON NAILS |
| B-HG | 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR TOP PLATES OR HEADER 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. H526 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO THIS TYPE H-GRD CONNECTIONS ATTACH DEVICE TO TRUSS W/ 6 - 16d COMMON NAILS - ATTACH DEVICE TO ORDER TRUSS CONNECTIONS W/ 14 - 16d COMMON NAILS |
| B-1 THRU B-6 | 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR TOP PLATES OR HEADER 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. LUS24 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO THIS TYPE H-GRD CONNECTIONS ATTACH DEVICE TO TRUSS W/ 2 - 10d COMMON NAILS - ATTACH DEVICE TO ORDER TRUSS CONNECTIONS W/ 4 - 16d COMMON NAILS |
| C-HG | 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR BUILT-UP ROOF GORCH GIRDER(S) CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO BUILT-UP GIRDER CONNECTION(S) W/ 4 - 8d COMMON NAILS 1 - MODEL No. H10-2 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR TOP PLATES OR HEADER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 6 - 16d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTIONS W/ 6 - 16d COMMON NAILS 1 - MODEL No. H526-2 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO THIS TYPE D-GRD CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 16d COMMON NAILS - ATTACH DEVICE TO ORDER TRUSS CONNECTIONS W/ 4 - 16d COMMON NAILS |
| C-1 THRU C-4 | 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR TOP PLATES OR HEADER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTION(S) W/ 4 - 8d COMMON NAILS |
| C-5 THRU C-9 | 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR BUILT-UP ROOF GORCH GIRDER(S) CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO BUILT-UP GIRDER CONNECTION(S) W/ 4 - 8d COMMON NAILS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR TOP PLATES OR HEADER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTION(S) W/ 4 - 8d COMMON NAILS |
| C-10 AND C-11 | 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR BUILT-UP ROOF GORCH GIRDER(S) CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO BUILT-UP GIRDER CONNECTION(S) W/ 4 - 8d COMMON NAILS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR TOP PLATES OR HEADER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTION(S) W/ 4 - 8d COMMON NAILS 1 - MODEL No. LUS24 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO THIS TYPE D-GRD CONNECTIONS ATTACH DEVICE TO TRUSS W/ 2 - 10d COMMON NAILS - ATTACH DEVICE TO ORDER TRUSS CONNECTIONS W/ 4 - 16d COMMON NAILS |
| D-GRD | 1 - MODEL No. H10 BY SIMPSON STRONG-TIE OR EQUAL @ EACH EXTERIOR BEARING POINT OF TRUSS TO TOP PLATES OR HEADER CONNECTIONS ATTACH DEVICE TO TRUSS OR W/ 8 - 8d X 1 1/2\"/> |
| H-GRD | 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR BUILT-UP ROOF GORCH GIRDER(S) CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO BUILT-UP GIRDER CONNECTION(S) W/ 4 - 8d COMMON NAILS 2 - MODEL No. H10 BY SIMPSON STRONG-TIE OR EQUAL @ EACH EXTERIOR BEARING POINT OF TRUSS TO TOP PLATES OR HEADER CONNECTIONS ATTACH DEVICE TO TRUSS OR W/ 8 - 8d X 1 1/2\"/> |
| H-HG | 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR BUILT-UP ROOF GORCH GIRDER(S) CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO BUILT-UP GIRDER CONNECTION(S) W/ 4 - 8d COMMON NAILS 1 - MODEL No. H10 BY SIMPSON STRONG-TIE OR EQUAL @ EACH EXTERIOR BEARING POINT OF TRUSS TO TOP PLATES OR HEADER CONNECTIONS ATTACH DEVICE TO TRUSS OR W/ 8 - 8d X 1 1/2\"/> |
| JC1 THRU JC5 | 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR TOP PLATES OR HEADER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTION(S) W/ 4 - 8d COMMON NAILS 1 - MODEL No. SUR/24 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EGQUAL HIPPED MEMBER(S) CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 10d X 1 1/2\"/> |
| JE4 THRU JEB | 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR TOP PLATES OR HEADER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTION(S) W/ 4 - 8d COMMON NAILS 1 - MODEL No. LUS24 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO ORDER TRUSS CONNECTIONS ATTACH DEVICE TO TRUSS W/ 4 - 16d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTION(S) W/ 2 - 10d X 1 1/2\"/> |
| JH5 | 1 - MODEL No. HSP1 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR TOP PLATES OR HEADER CONNECTIONS ATTACH DEVICE TO TRUSS W/ 6 - 10d X 1 1/2\"/> |
| JH7 AND JH10 | 1 - MODEL No. LUS210 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO ORDER TRUSS CONNECTIONS ATTACH DEVICE TO TRUSS W/ 10 - 10d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTION(S) W/ 10 - 10d X 1 1/2\"/> |
| BUILT-UP GIRDER | FRONT PORCH GIRDERS: 3 - 2 X 8 No.2 SYP W/ 21 - 15/32\"/> |
| COLUMNS | 1 - MODEL No. AC68 OR ACE 66 (DETERMINED BY LOCATION) BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF BUILT-UP GIRDER TO COLUMN CONNECTIONS - ATTACH DEVICE TO BUILT-UP GIRDER & COLUMN W/ ALL REQUIRED NAILS 1 - MODEL No. H488 MIN BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF BUILT-UP GIRDER TO MULTIPLE STUD CONNECTIONS ATTACH DEVICE TO GIRDER W/ 10 - 16d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER CONNECTION(S) W/ 4 - 16d COMMON NAILS NOTE: A MINIMUM OF 4 - CONTINUOUS STUDS ARE REQUIRED ADJACENT TO WALL DEVICE REAR PORCH GIRDERS: 3 - 2 X 8 No.2 SYP W/ 2 - 15/32\"/> |
| NOTES | COLUMNS @ FRONT & REAR PORCH SHALL BE P.T. 6 X 6 MINIMUM SEE ABOVE DESCRIPTIONS FOR DEVICE(S) REQUIRED AT EACH COLUMN TO BUILT-UP GIRDER CONNECTION NOTE: SEE DETAILS ELSEWHERE THESE PLANS FOR ADDITIONAL REQUIREMENTS NOT LISTED HERE |

SCHEDULE OF REQUIRED FOUNDATION SYSTEM MECHANICAL FASTENERS

| | | |
|------------------------|------------------|--|
| EXTERIOR WALLS | STUD WALLS | LOCATION OF 1/2\"/> |
| EXTERIOR WALLS | BUILT-UP GIRDERS | LOCATION OF EXTERIOR OPENINGS 3'-0\"/> |
| EXTERIOR WALLS | COLUMNS | LOCATION OF P.T. 6 X 6 COLUMNS: SEE PLAN VIEWS 1 - MODEL No. AB68 BY SIMPSON STRONG-TIE OR EQUAL @ COLUMN BOT. TO CONCRETE SLAB/STEM WALL CONNECTION ATTACH DEVICE TO COLUMN W/ 8 - 16d COMMON NAILS & ATTACH DEVICE TO CONCRETE W/ 1 - 5/8\"/> |
| INTERIOR BEARING WALLS | STUD WALLS | LOCATION OF 1/2\"/> |
| NOTES: | | SEE ALSO FOUNDATION NOTES & REQUIREMENTS SEE ALSO SHEATHING DETAILS & REQUIREMENTS |

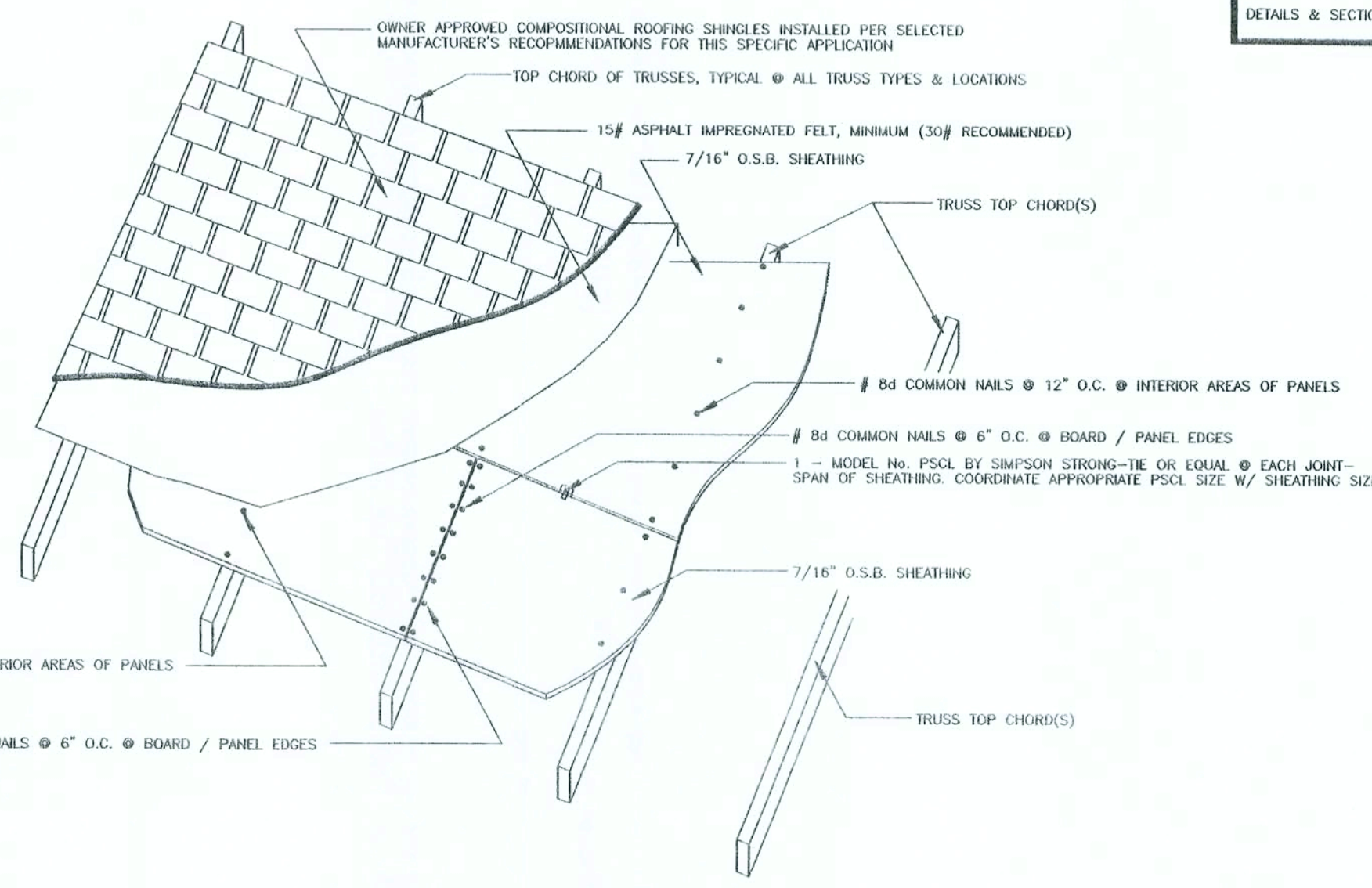


Job Name: NORTHUP RESIDENCE
Owner: BUILDERS
Designer: Cindy Gude-Metzel

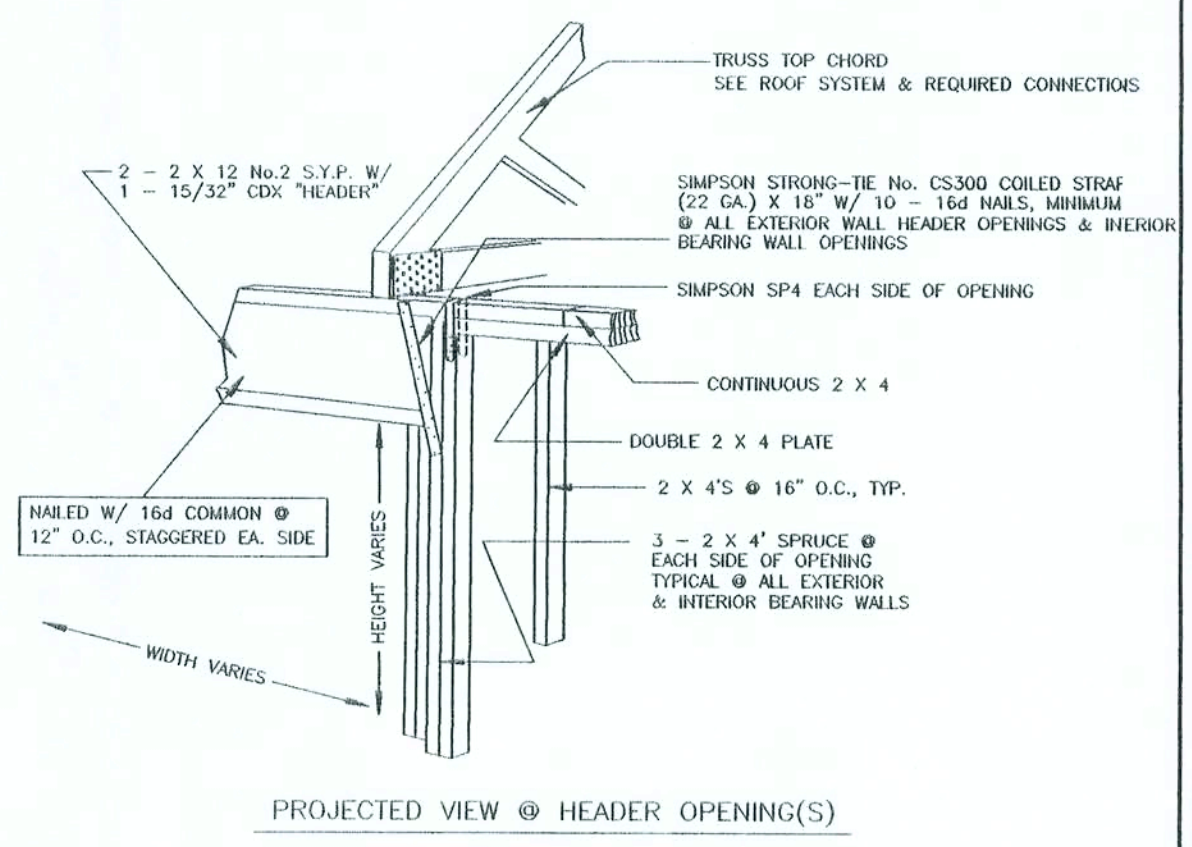
JOB NO:
3945
PAGE NO:
1 OF 1

ROOF TRUSS LAYOUT & DESIGNATION

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



ROOFING & SHEATHING CONNECTIONS TO TRUSSES



NORTHUP RESIDENCE
COLUMBIA COUNTY, FLORIDA

PROJECT No:
NORTHUP-SS-00000000
SHEET No:
SS-0.0

DRAWN BY:
DATE:
09/09/06

3265 CR 417
LIVE OAK, FLORIDA 32060
888-362-4737
ENG. LIC. EB 3761

KEEN ENGINEERING
& SURVEYING, INC.