

FLOOR PLAN

SCALE: 1/4 IN. = 1 FT.

SWS = Indicates a shearwall segment location referring to the labeled section of wall lying between the adjacent window / door openings in either direction. The shearwall areas have a height/width aspect ratio of 3-1/2: I or wider.

AREA SUMMARY

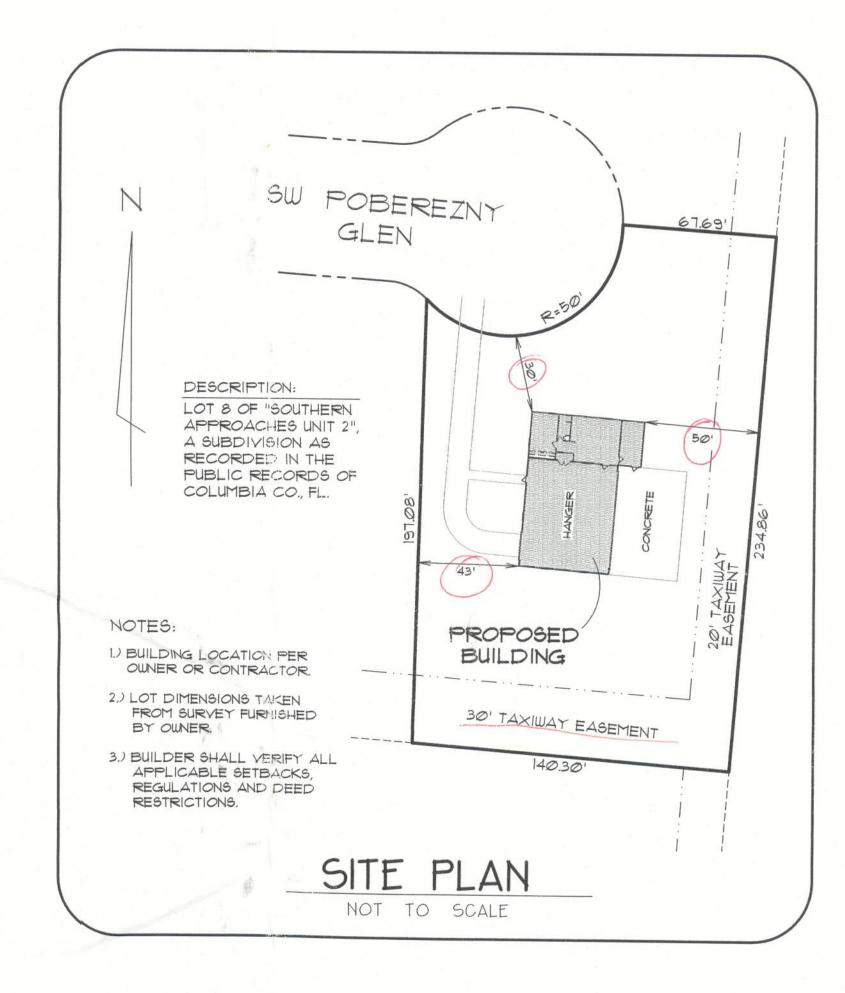
CONDITIONED - - - - - 800 SF HANGER - - - - - - 1920 SF PORCH - - - - - - 200 SF ROOF - - - - - 2920 SF

Index to Sheets

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SHEET	A-3	-	-	-	-	-	-	-	-	-	-	-	EL	EV.	ATIO	NS	
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Hanger Building

FOR: Daniel & Jeanne Decker



GENERAL NOTES

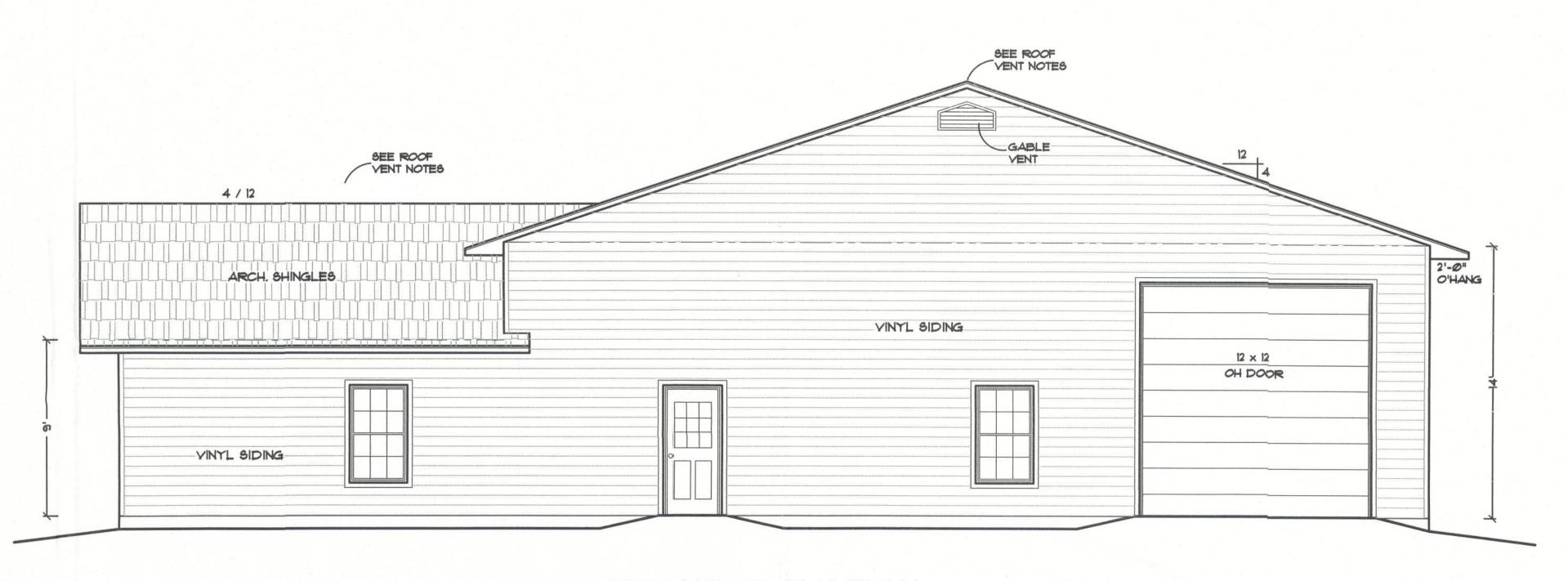
- See structural / windload Engineer's Notes for data pertaining to Wind Design and compliance w/ Florida Building Code.
- 2.) All concrete used to be 3000 PSI strength or greater.
- HVAC duct and unit size/design is by engineered shop drawings from the AC contractor.
- 4.) Windows to be vinyl framed / Low E and double glazed. Sizes shown are nominal and may vary with manufacturer.
- 5.) Roof Truss design is the responsibility of the supplier.
- 6.) The Truss Manufactuer shall prepare Shop Drawings indicating Truss placement. Girder locations. Truss—to—Truss Connections and any point loads. The Contractor shall notify the Designer of any point loads in excess of 2.0k for Fnd. Modification.
- 7.) Site analysis or preparation information is not a part of this plan and is the responsibility of the owner.
- 8.) Cabinet and millwork detail is not a part of this plan. The plan is a general design and details shall be the responsibility of the owner and/or contractor.



ENGINEERING NOTE:

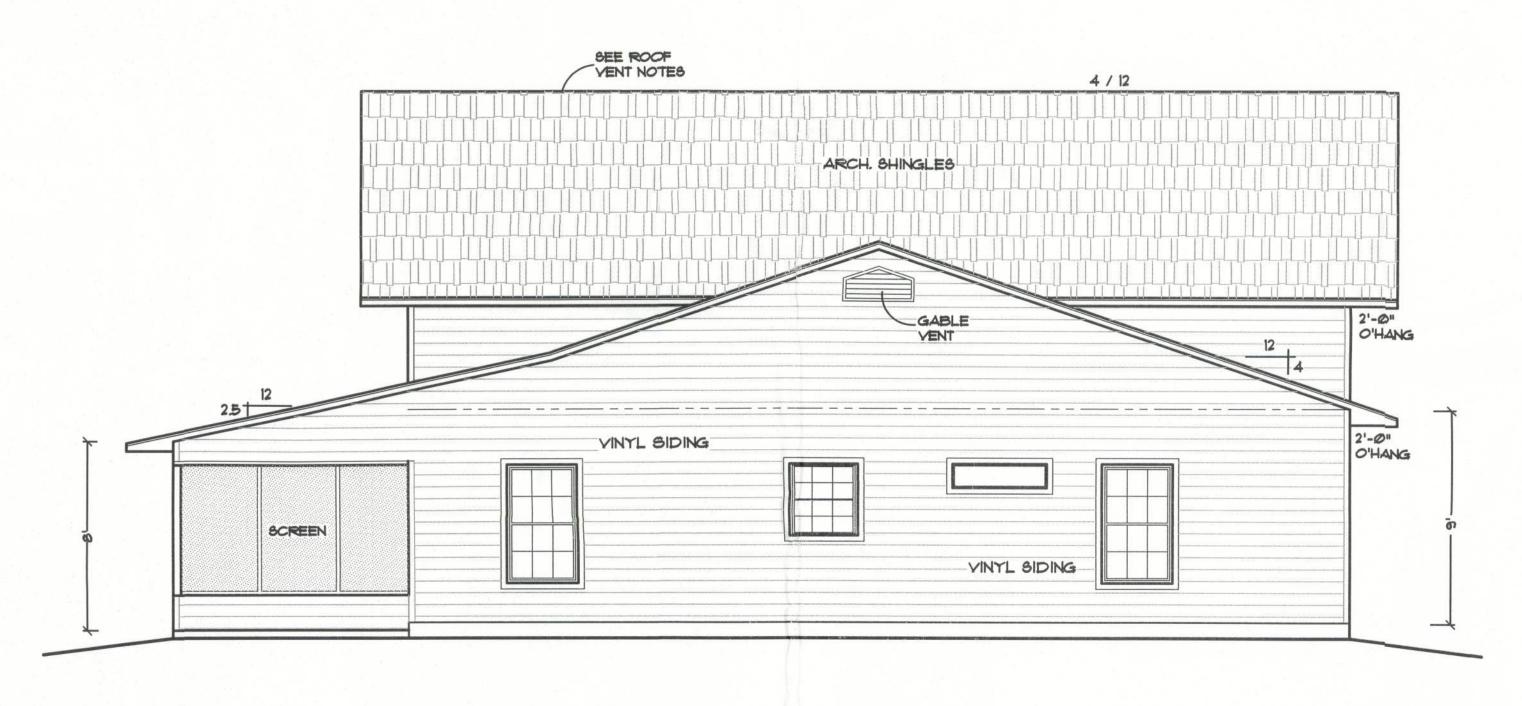


FILE: 13-012 DATE: 4-30-13	HANGER BUILDING FOR: Daniel & Jeanne Decker	SHEET: 1 OF 6 CAD FILE: 13-012
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting + Technical Services	REV: 5/12/13
CHECK: T A D	192 SW Sagewood Gln Lake City. FL 32024 Phone (386) 755-5891	REV: 6/29/13



FRONT ELEVATION

SCALE: 1/4 IN. = 1 FT.



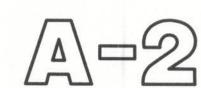
SCALE: 1/4 IN. = 1 FT.

ATTIC VENTILATION

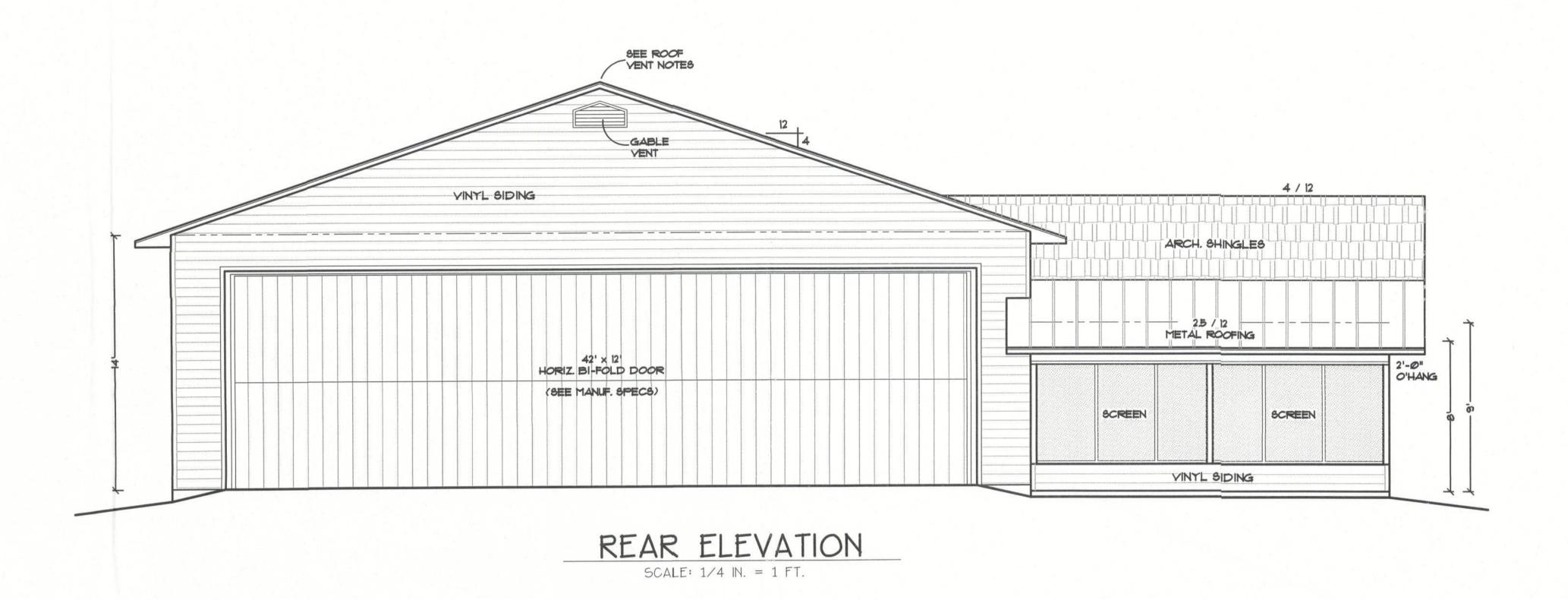
Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain. Ventilating openings shall be provided with corrosion—resistant wire mesh, wit h 1 / 8 inch (3.2 mm) minimum to ¼ inch (6.4 mm) maximum openings.

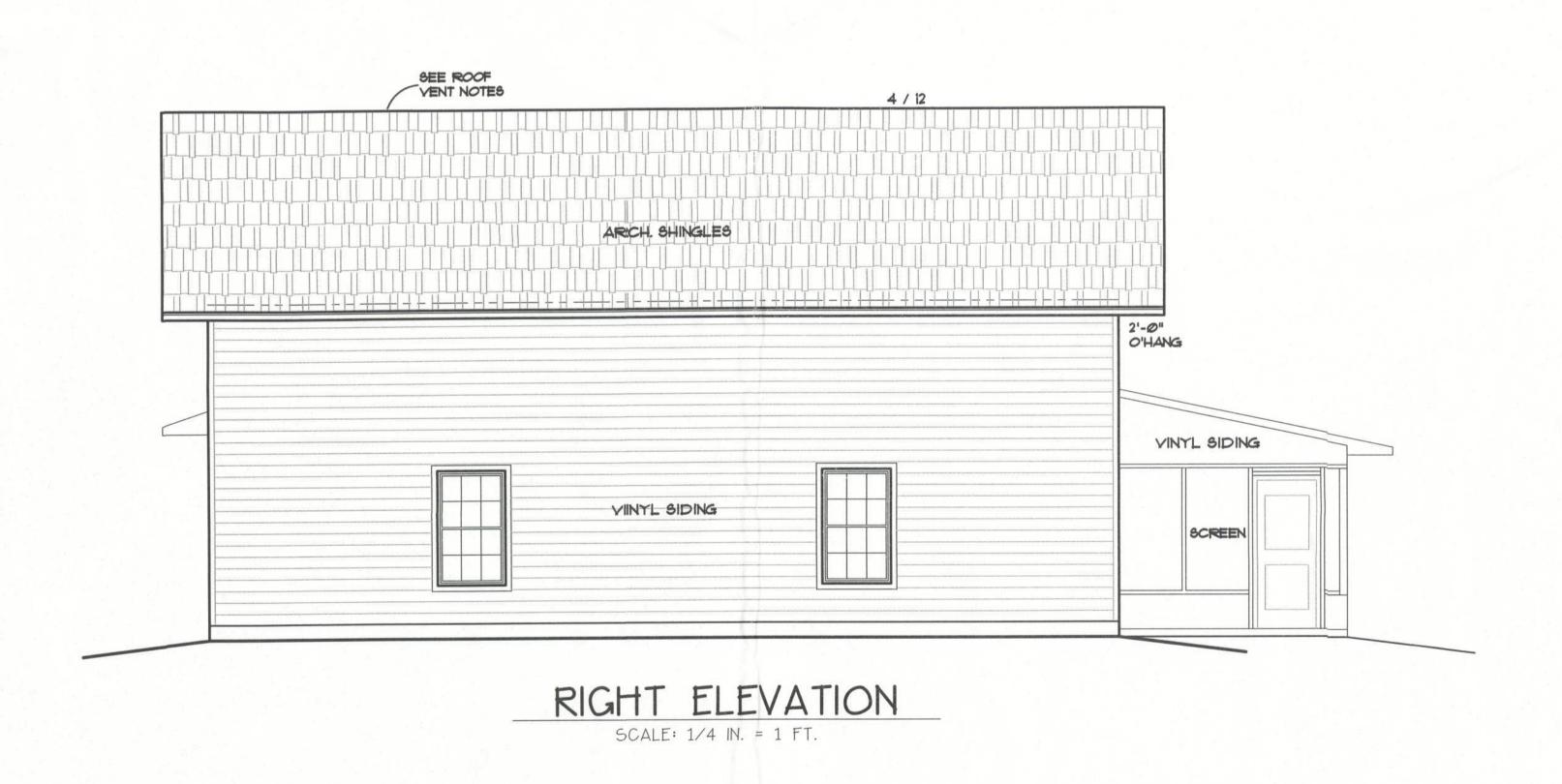
The total net free ventilating area shall not be less than 1 to 150 of the area of the space ventilated except that the total area is permitted to be reduced to 1 to 300, provided at least 50 percent and not more than 80 percent of the required ventilating area is provided by ventilators located in the upper portion of the space to be ventilated at least 3 feet (914 mm) above eave or cornice vents with the balance of the required ventilation provided by eave or cornice vents.

ENGINEERING NOTE:



FILE: 13-012 DATE: 4-30-13	HANGER BUILDING FOR: Daniel & Jeanne Decker	SHEET: 2 OF 6 CAD FILE: 13-012
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting + Technical Services	REV: 5/12/13
CHECK:	192 SW Sagewood Gln Lake City. FL 32024 Phone (386) 755-5891	REV:





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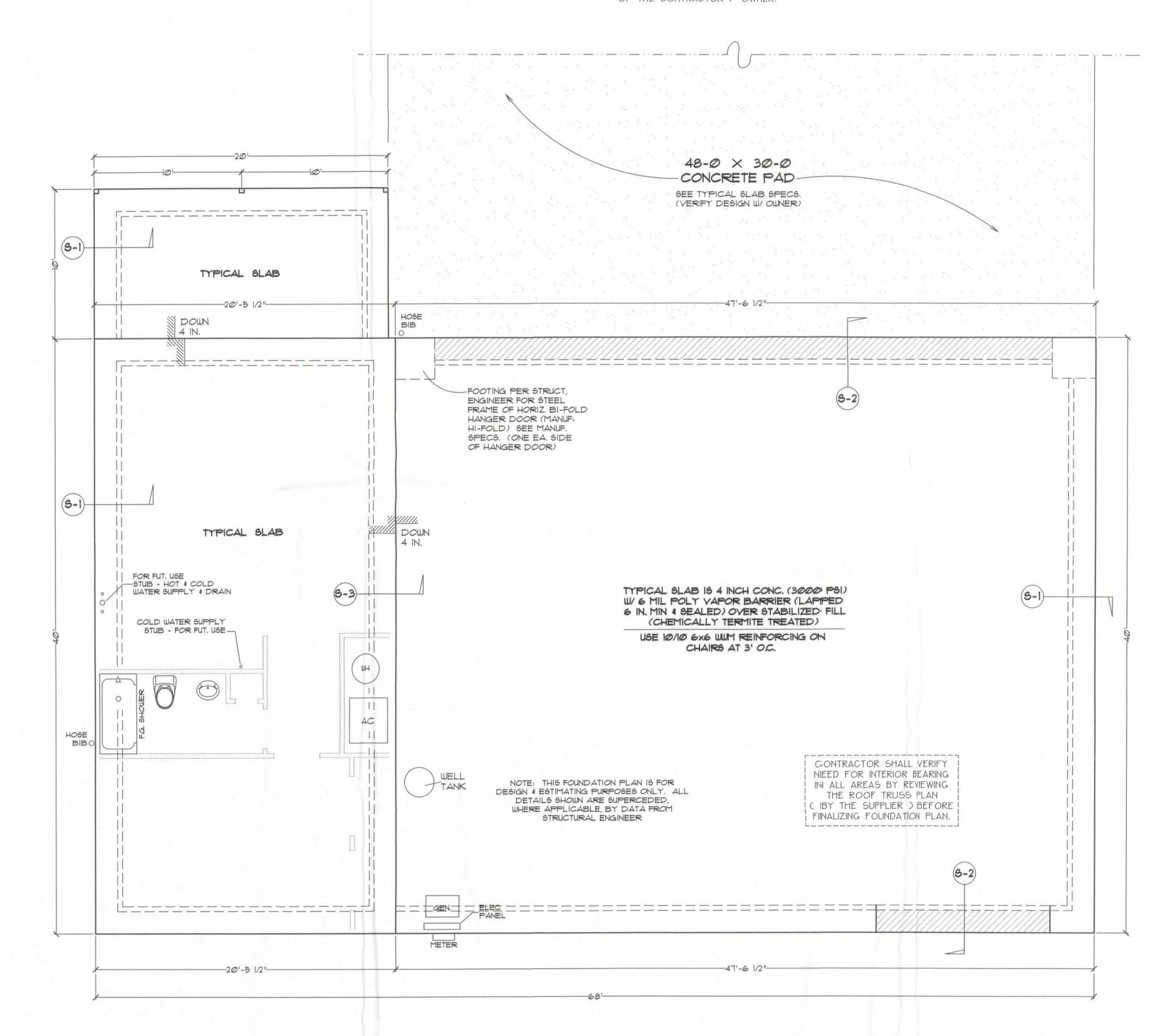
ENGINEERING NOTE:



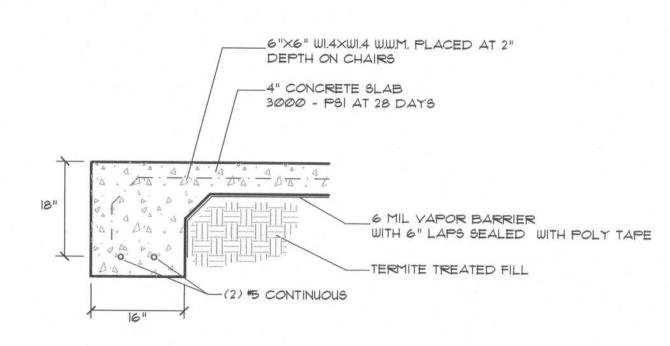
FILE: 13-012 DATE: 4-30-13	HANGER BUILDING FOR: Daniel 4 Jeanne Decker	SHEET: 3 OF 6 CAD FILE: 13-012
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting + Technical Services	REV: 5/12/13
CHECK: T A D	192 SW Sagewood Gln Lake City. FL 32024 Phone (386) 755-5891	REV:

FOUNDATION NOTES:

- CONTRACTOR SHALL EXAMINE ROOF TRUSS PLAN C BY SUPPLIER) TO DETERMINE ANY ADDITIONAL BEARING REQUIREMENTS BEFORE FINALIZING THE FOUNDATION PLAN.
- ALL CONCRETE IS 3000 PSI STRENGTH (MIN.)
- VERIFY DIMENSIONS WITH FLOOR PLAN
- SITE ANALYSIS AND PREPARATION DATA IS NOT A PART OF THIS PLAN AND IS THE RESPONSIBLITY OF THE CONTRACTOR / OWNER.

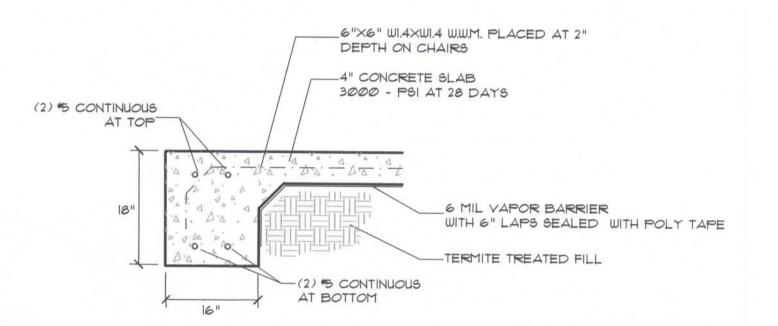


FOUNDATION PLAN SCALE: 1/4 IN. = 1 FT.



(9-1) TYP. MONOLITHIC FOOTING

NOTE: THIS SECTION FOR DESIGN &
ESTIMATING PURPOSES ONLY. ALL
DETAILS SHOWN ARE SUPERCEDED,
WHERE APPLICABLE, BY DATA FROM
STRUCTURAL ENGINEER

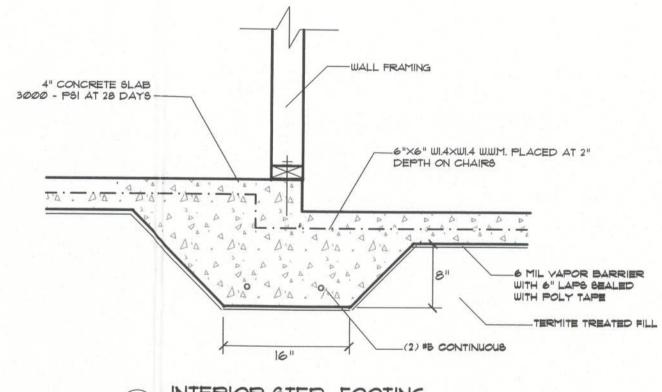


TYP. MONOLITHIC FOOTING AT 42' HANGER DOOR \$ 12' OVERHEAD DOOR

\$-2 \$\frac{\delta \text{!2' OVERHEAD DOOR}}{\text{SCALE: I" = I'-0"}}\$

NOTE: THIS SECTION FOR DESIGN & ESTIMATING PURPOSES ONLY. ALL DETAILS SHOWN ARE SUPERCEDED

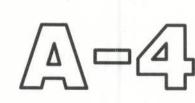
NOTE: THIS SECTION FOR DESIGN & ESTIMATING PURPOSES ONLY. ALL DETAILS SHOWN ARE SUPERCEDED, WHERE APPLICABLE, BY DATA FROM STRUCTURAL ENGINEER



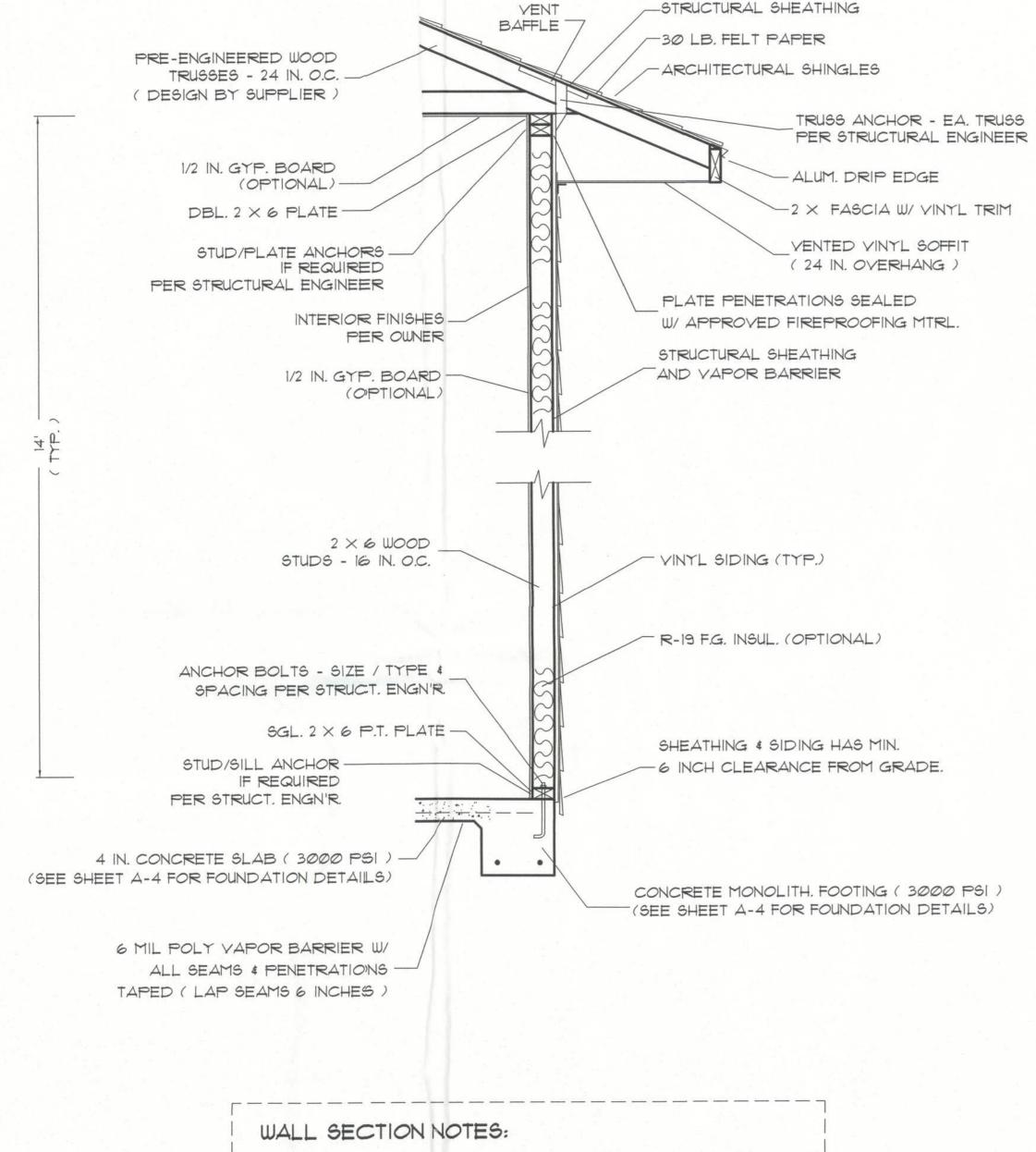
9CALE: |" = 1'-@"

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DETAILS SHOWN ARE SUPERCEDED,
WHERE APPLICABLE, BY DATA FROM
STRUCTURAL ENGINEER

ENGINEERING NOTE:



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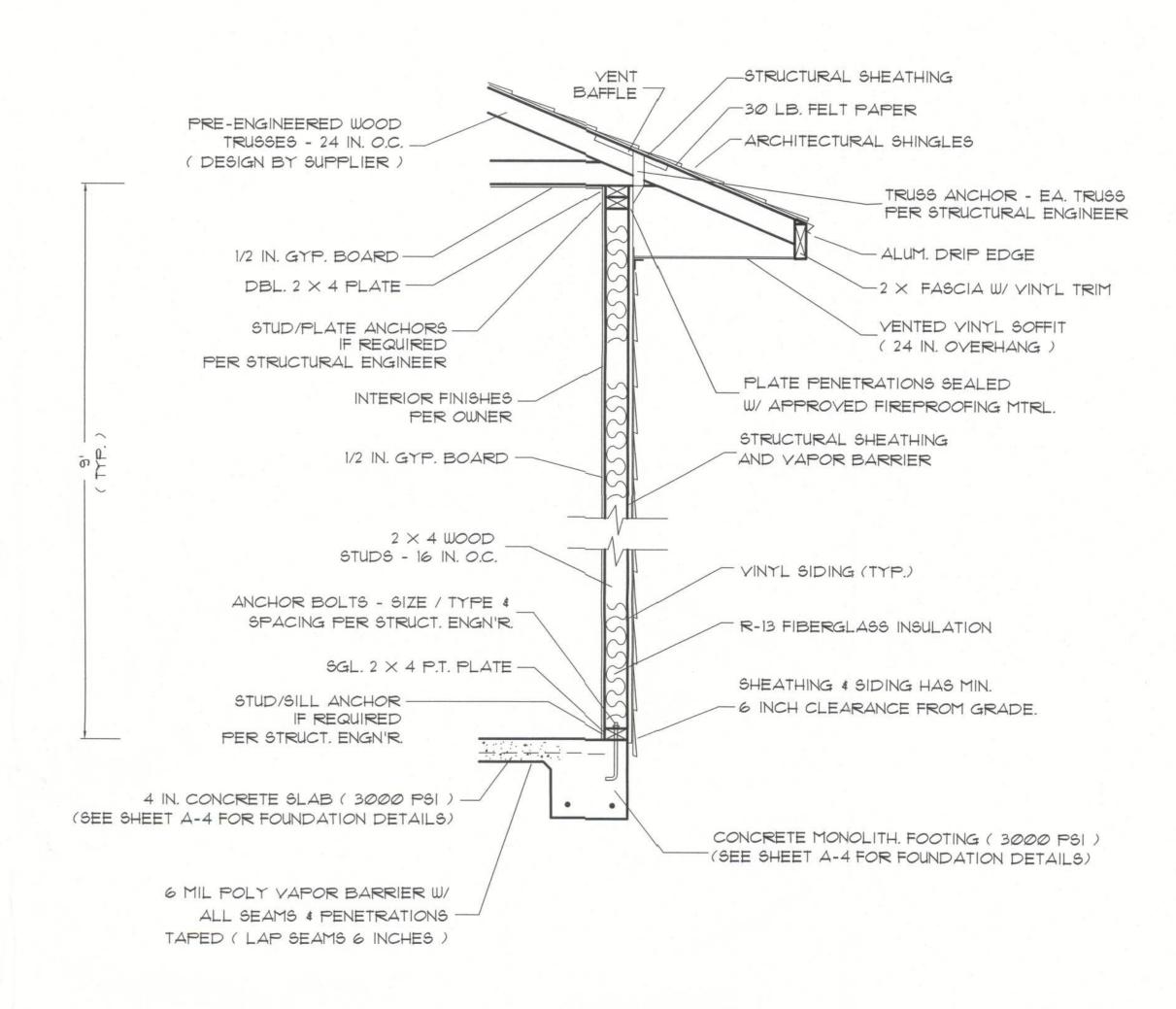


- This Typical Wall Section is for Estimating purposes only.

S-A

- All data shown in this Wall Section shall be subject to review and final input by the Structural Engineer.

DESIGN WALL SECTION NON-STRUCTURAL DATA SCALE: 3/4 IN. = 1 FT.



WALL SECTION NOTES:

(S-B)

- This Typical Wall Section is for Estimating purposes only.
- All data shown in this Wall Section shall be subject to review and final input by the Structural Engineer.

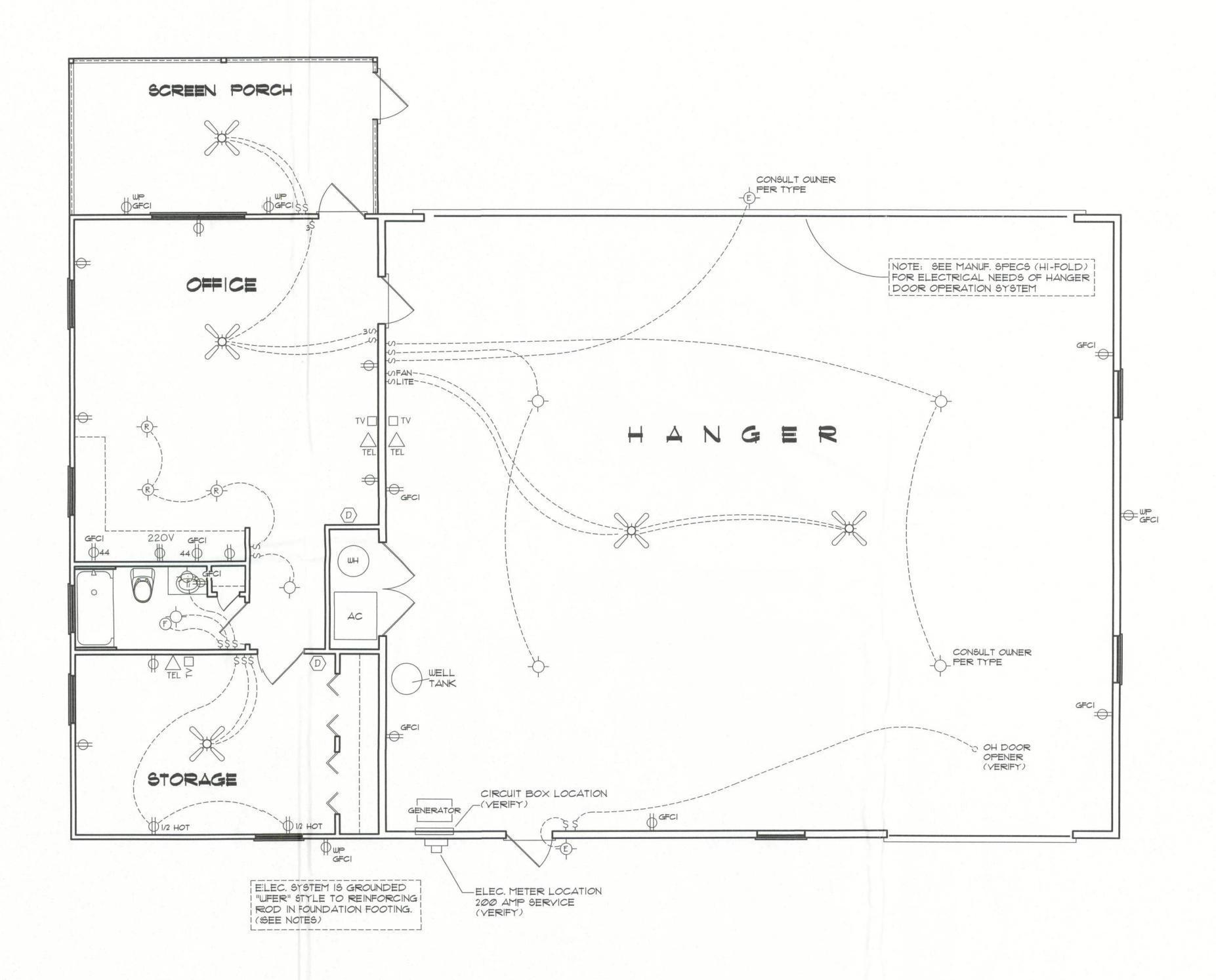
DESIGN WALL SECTION NON-STRUCTURAL DATA

SCALE: 3/4 IN. = 1 FT.

ENGINEERING NOTE:



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ELECTRICAL PLAN

NOT TO SCALE

	= 48" FLOURESCENT LIGHTING FIXTURE	AFCI	= ARC FAULT CIRCUIT INTERRUPTER
_		WP	= WEATHER PROOF
-0-	= STANDARD CEILING LIGHTING FIXTURE OR CHANDELIER	ф	= 110V DUPLEX OUTLET AFCI, UNLESS NOTED
-E-	= EXTERIOR LIGHTING FIXTURE - WEATHERPROOF	\$\rightarrow\$42	= 110Y DUPLEX OUTLET AFCI, UNLESS NOTED (SPECIAL HEIGHT NOTED
-R-	= RECESSED (CAN) CEILING LIGHTING FIXTURE	∯ ^{GFCI}	= 110V DUPLEX OUTLET GROUND FAULT CIRCUIT INTERRUPTER TYPE
Ş	= SGL. POLE LIGHT SWITCH.	-0-	= 220 VOLT
S ₃	= THREE-WAY SWITCH.	€220V	OUTLET (4 WIRE)
S ₄	= FOUR-WAY SWITCH.		
S _{DIM}	= DIMMER SWITCH		= FAN LOCATION (CEILING)
D	= SMOKE & CARBON MONOXIDE DETECTOR (SEE NOTES)	F	= FAN LOCATION (EXHAUST)

ELECTRICAL PLAN NOTES

-ALL INSTALLATIONS ARE PER NAT'L. ELECTRIC CODE (NEC) 2008.

-ALL RECEPTACLES, UNLESS NOTED OTHERWISE, SHALL BE ARC FAULT CIRCUIT INTERRUPTER (AFCI) TYPE. ALSO, RECEPTACLES, UNLESS NOTED, SHALL BE TAMPER RESISTANT.

-GROUNDING OF ELECTRICAL SYSTEM SHALL BE BY "UFER" STYLE GROUNDING METHOD TO REINFORCING ROD IN CONCRETE FOUNDATION FOOTING (NEC 250.52 - GROUNDING ELECTRODES).

-WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.

-ELECTRICAL CONT'R SHALL BE RESPONSIBLE FOR THE DESIGN & SIZING OF ELECTRICAL SERVICE AND CIRCUITS.

-ENTRY OF SERVICE (UNDERGROUND OR OVERHEAD)
TO BE DETERMINED BY POWER COMPANY.

-TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION 2008.

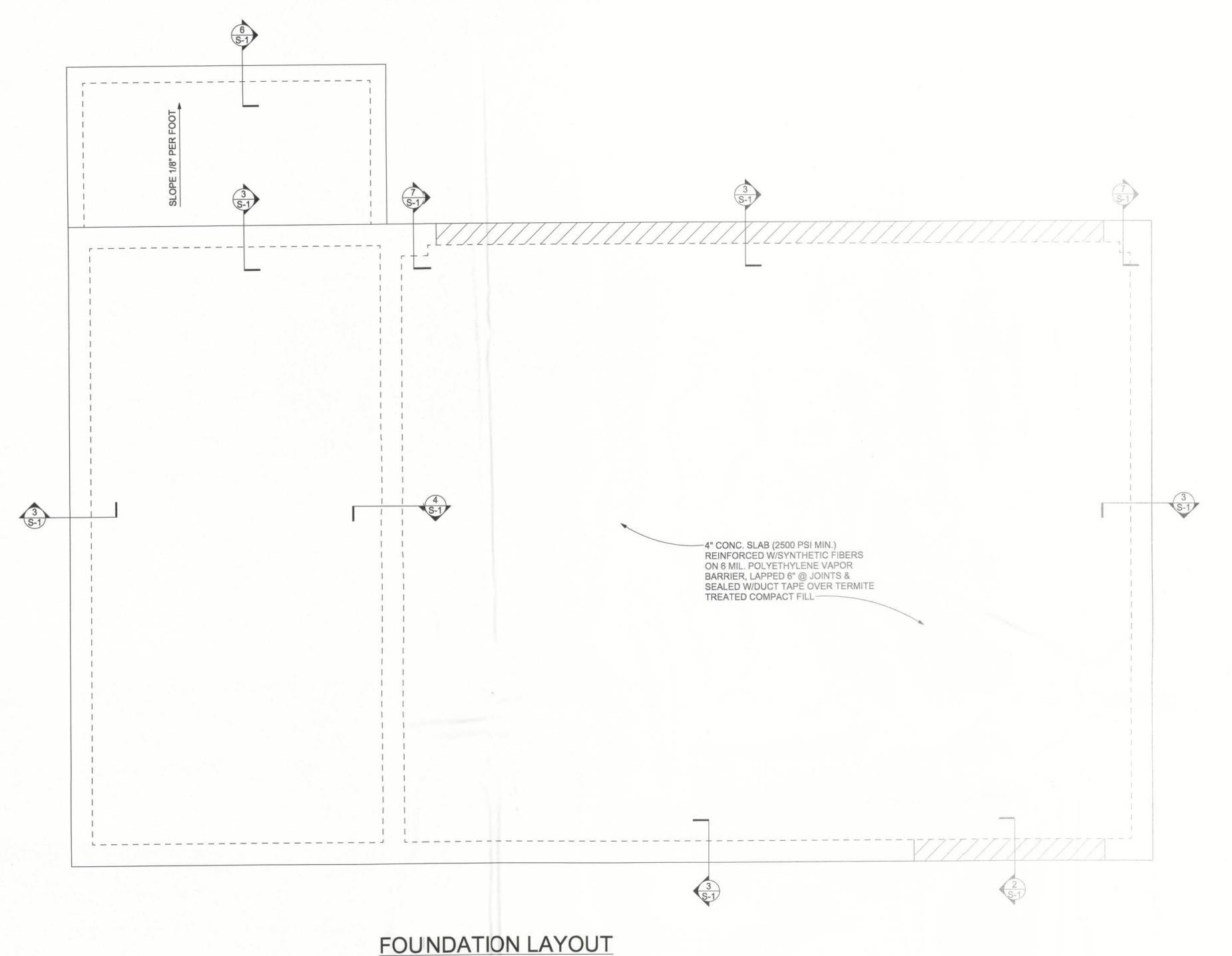
-CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.

-LOW VOLTAGE ITEMS (TELEPHONE, CATV, DATA CABLING) IS SHOWN, IF REQUESTED BY OWNER / BUILDER. CONSULT OWNER FOR REQUIREMENTS IF NOT SHOWN ON ELECTRICAL PLAN.

-ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. THEY SHALL ALSO PROVIDE CARBON MONOXIDE DETECTION.



FILE: 13-012	HANGER BUILDING	SHEET: 6 OF 6
DATE: 4-30-13	FOR: Daniel & Jeanne Decker	CAD FILE: 13-012
DRAWN: T A D	PREPARED BY: TIM DELBENE Drafting + Technical Services	REV: 5/12/13
CHECK:	192 SW Sagewood Gln Lake City. FL 32024 Phone (386) 755-5891	REV: 5/27/13



FOUNDATION NOTES

CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.

REINFORCING STEEL: THE REINFORCING STEEL SHALL BE MINIMUM GRADE 40.

COVER OVER REINFORCING STEEL FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFROCING BARS

3 INCHES IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH OR WEATHER AND 1 1/2 INCHES ELSEWHERE. REINFORCING BARS EMBEDDED IN GROUTED CELLS SHALL HAVE A MINIMUM CLEAR DISTANCE OF 1/4 INCH FOR FINE GROUT OR 1/2 INCH FOR COARSE GROUT BETWEEN REINFORCING BARS AND ANY FACE OF A CELL. REINFORCING BARS USED IN MASONRY WALLS SHALL HAVE A MASONRY COVER (INCLUDING GROUT) OF NOT LESS THAN 2 INCHES FOR MASONRY UNITS WITH FACE EXPOSED TO EARTH OR WEATHER 1 1/2 INCHES FOR MASONRY UNITS NOT EXPOSED TO EARTH OR WEATHER

REINFORCEMENT MAY BE BENT IN THE SHOP OR THE FIELD PROVIDED: 1. ALL REINFORCEMENT IS BENT COLD,

2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS AND

3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT. EXCEPTION: WHERE BENDING IS NECESSARY TO ALIGN DOWEL BARS WITH

A VERTICAL CELL, BARS PARTIALLY EMBEDDED IN CONRETE SHALL BE PERMITTED TO BE BENT AT A SLOPE OF NOT MORE THAN 1 INCH OF HORIZONTAL DISPLACEMENT TO 6 INCHES OF VERTICAL BAR LENGTH.

GALVANIZATION: METAL ACCESSORIES FOR USE IN EXTERIOR WALL CONSTRUCTION AND NOT DIRECTLY EXPOSED TO THE WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153, CLASS B-2. METAL PLATE CONNECTORS, SCREWS, BOLTS AND NAILS EXPOSED DIRECTLY TO THE WEATHER SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED.

CONCRETE SLABS ON GRADE:

1. ALL INTERIOR AND EXTERIOR SLABS AND WALKWAYS AS SHOWN ON THE STRUCTURAL OR ARCHITECTURAL PLANS, SHALL BE FOUR INCHES THICK MINIMUM REINFORCED WITH 6 X 6 - W1.4 X W1.4 WELDED WIRE FABRIC (UNLESS OTHERWISE NOTED).

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

3. JOINTS SHALL BE PROVIDED IN ALL INTERIOR SLABS ON GRADE AT COLUMN CENTER-LINES DIVIDING THE SLAB INTO SQUARE PANELS NOT TO EXCEED 20 X 20 FT. IN SIZE. CAST SLAB IN LONG ALTERNATE STRIPS. PROVIDE A CONTRACTION JOINT BETWEEN EACH STRIP. SEE PLAN FOR SAW-CUT. CONTRACTION AND ISOLATION JOINT DETAILS.

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

5. FILL MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING 12" AND COMPACTED TO 98 % MODIFIED PROCTOR (ASTM D-1557) WITHIN A DISTANCE OF 3 FEET BEYOND ALL FOOTING EDGES. TAKE AT LEAST ONE DENSITY TEST FOR EACH 1,600 SQ.FT. OF AREA AND 12" BELOW SURFACE. SEND RESULTS OF THE TEST TO OWNER, ARCHITECT AND ENGINEER.

6. ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED BY MECHANICAL VIBRATION DURING PLACEMENT AND SHALL BE THOROUGHLY WORKED AROUND REINFORCEMENT AND EMBEDDED FIXTURES AND ALL FORMS AND KEYWAYS.

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 104.2.6

2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4

3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4

4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6

5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1

6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2

7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1816.1.3

8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RET-ARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4

9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5

10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6

11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1816.1.6

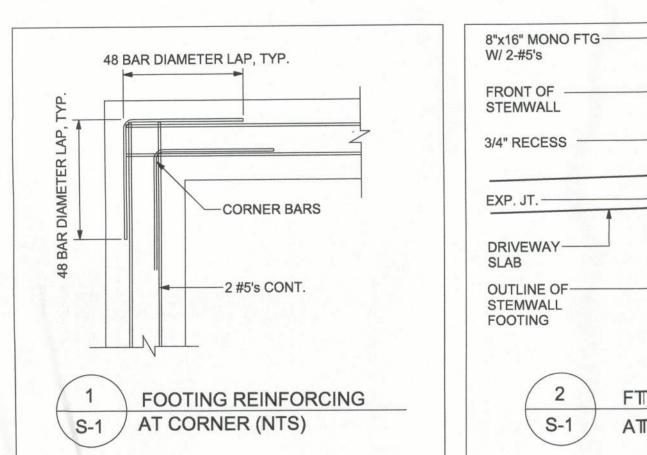
12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1816.1.7

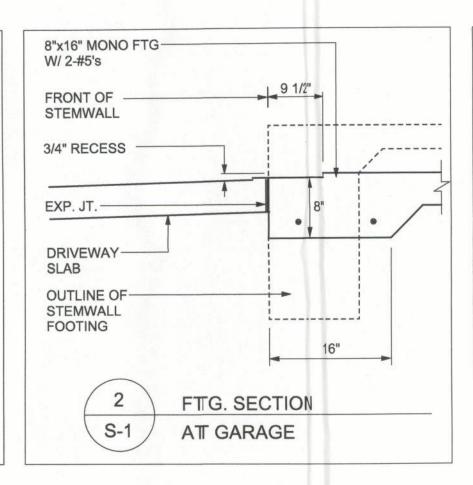
13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPART-MENT BY # LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONS-UMER SERVICES". FBC 1816.1.7

14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3

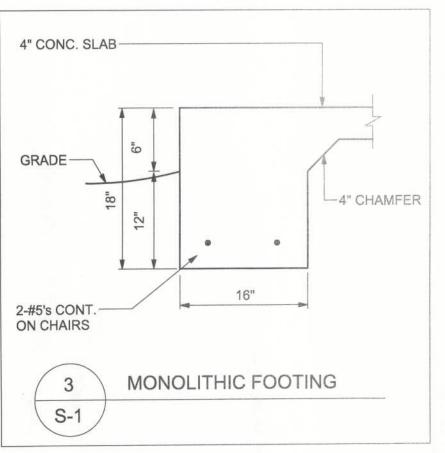
15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

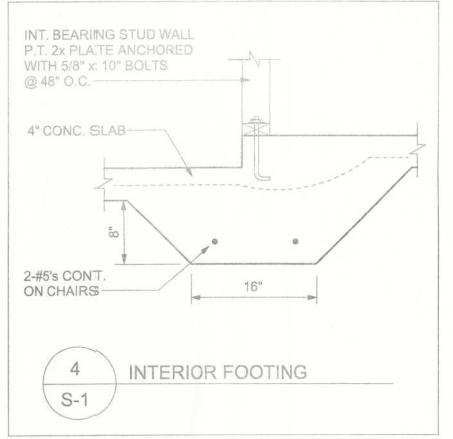
CONTRACTOR TO PROVIDE FLOOR PLAN

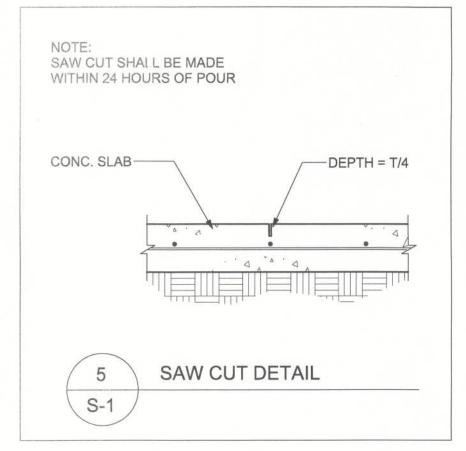


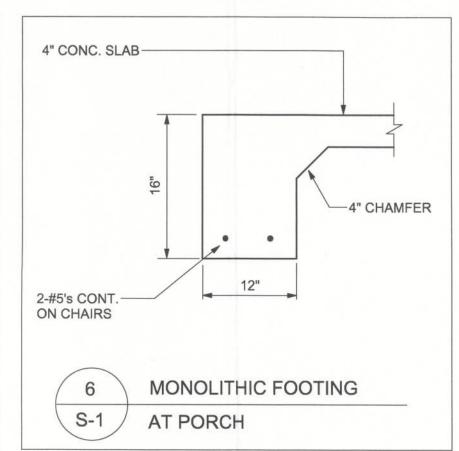


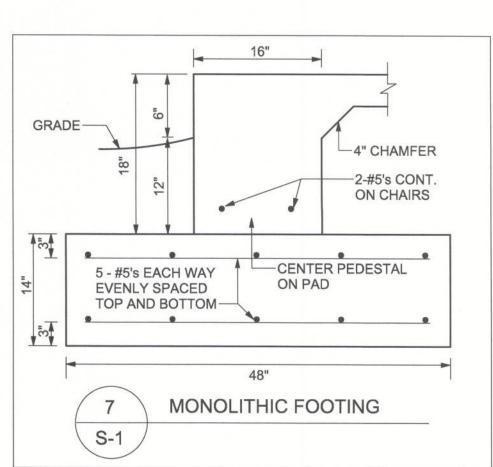
WITH DIMENSIONS









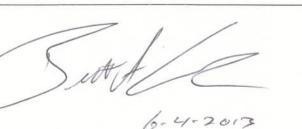


REVISIONS DESCRIPTION DATE DATE BY DESCRIPTION BY



CERTIFICATE OF AUTHORIZATION NO. 28022

> P.O. BOX 970 LAKE CITY, FL 32056 PHONE: 386.754.4085



Brett A. Crews, P.E. 65592

DRAWN BY: TM

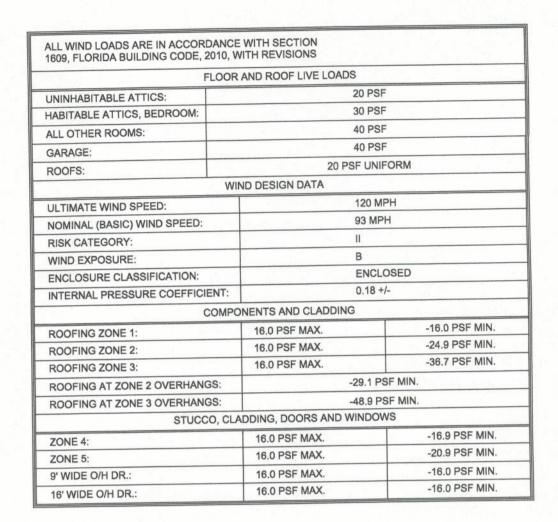
APPROVED BY: BC

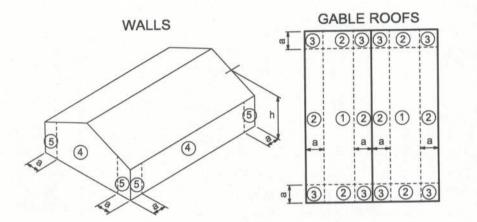
ZECHER HANGER-HOME

CES PROJECT NO. **2**013-026

FOUNDATION AND DETAILS

SHEET: S-





a: 10% of least horizontal dim. or 0.4h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 ft.

h: mean roof height, in feet.

COMPONENTS AND CLADDING

HIP ROOFS

STRUCTURAL DESIGN CRITERIA

FLORIDA BUILDING CODE, 2010 EDITION WITH SUPPLEMENTS BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-05) SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS (ACI 301-05) BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-05) NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2001 EDITION APA PLYWOOD DESIGN SPECIFICATION 20 PSF (REDUCIBLE)

40 PSF

20 PSF

BALCONIES LIGHT PARTITIONS (DEAD LOAD), U.N.O. WIND LOADS BASED ON FBC, SECTION 1609

ALL STIRRUPS AND TIES

WIND VELOCITY: 120 M.P.H., USE FACTOR: 1.0 ALL CONCRETE UNLESS OTHERWISE INDICATED CONCRETE

RESIDENTIAL FLOOR, UNLESS OTHERWISE INDICATED

(DO NOT USE FOR CONCRETE COLUMNS OR TIE BEAMS) @ 28 DAYS WELDED WIRE FABRIC SHALL CONFORM TO REINFORCING: ASTM A615-40 40,000 PSI ALL REINFORCING BARS ASTM A615-40 40,000 PSI

ASTM C90-99b, STANDARD WEIGHT UNITS, fm=1500 PSI CONCRETE MORTAR TYPE "S" 1800 PSI MASONRY CONCRETE GROUT 3000 PSI UNITS: CONTINUOUS MASONRY INSPECTION IS REQUIRED DURING CONSTRUCTION

ALL STRUCTURAL AND MISCELLANEOUS STEEL A36 36,000 PSI, U.N.O. SHOP AND FIELD WELDS: E70XX ELECTRODES ALL BOLTS CAST IN CONCRETE: ASTM A36 OR ASTM A-307 BEAMS, RAFTERS, JOIST, PLATES, ETC. U.N.O. WOOD FRAMING:

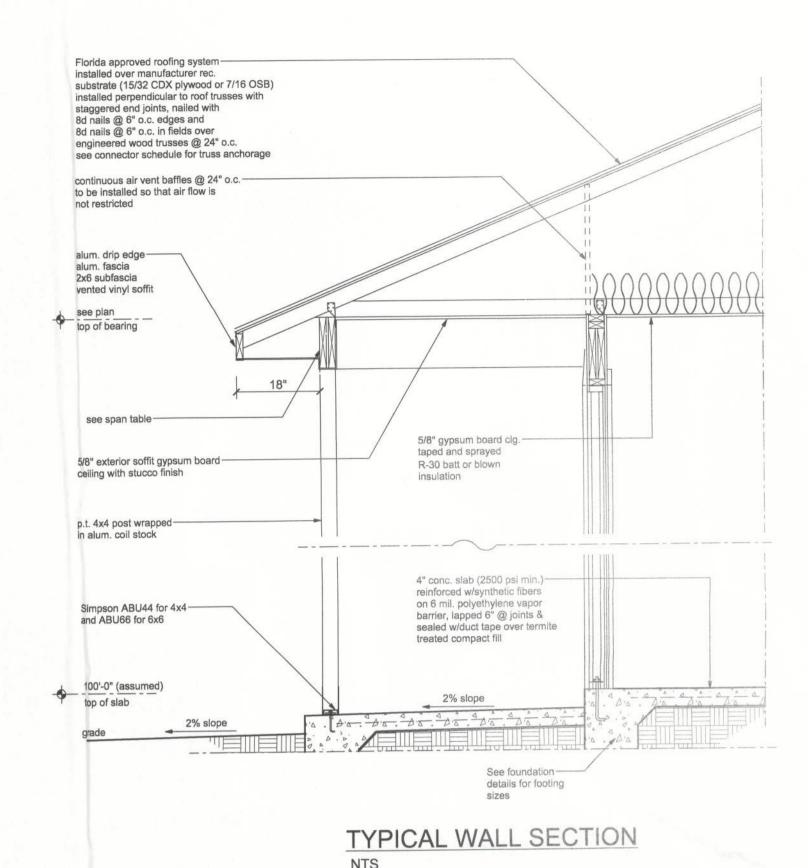
NO. 2 SOUTHERN YELLOW PINE (19% M.C.) ROOF DECK: PLYWOOD C-C/C-D, EXTERIOR, or OSB FLOOR SHEATHING: T&G A-C GROUP 1 APA RATED (48/24) WALL SHEATHING: PLYWOOD C-C/C-D, EXTERIOR OR OSB VERSA LAM BEAM Fb = 2900 PSI (2.0E) WOOD COLS. PARALLAM 2.0E U.N.O.

DESIGN LOADS: TOP CHORD LIVE AND DEAD LOAD:

BOTTOM CHORD DEAD LOAD: SEE DRAWINGS FOR SPECIAL CONCENTRATED LOADS. DESIGN FOR NEW WIND UPLIFT AS PER SPECIFIED CODES, DEDUCTING A MAXIMUM OF 5 P.S.F. DEAD LOAD, BUT NOT EXCEEDING ACTUAL

FOUNDATION POUR FOR VERIFICATION OF FOUNDATION DESIGN.

ASSUMED ALLOWABLE SOIL BEARING PRESSURE AFTER COMPACTION: 1,500 PSF SEE SOILS REPORT AND SPECIFICATIONS FOR COMPACTION REQUIREMENTS IF SOIL CONDITIONS IN THE PROJECT DO NOT MEET OR EXCEED THE CAPACITY THE GENERAL CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO

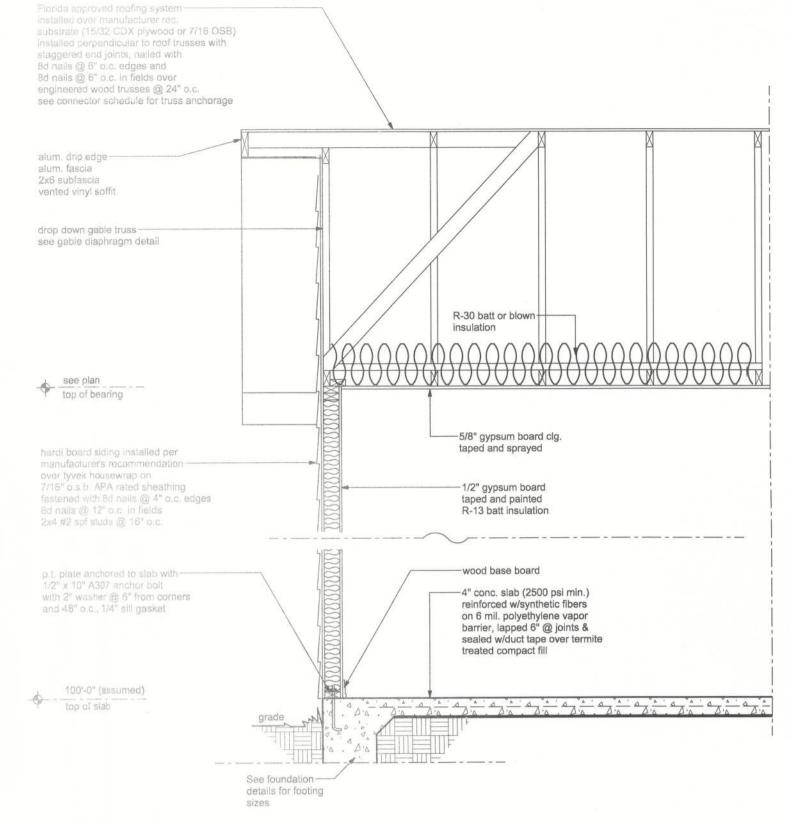


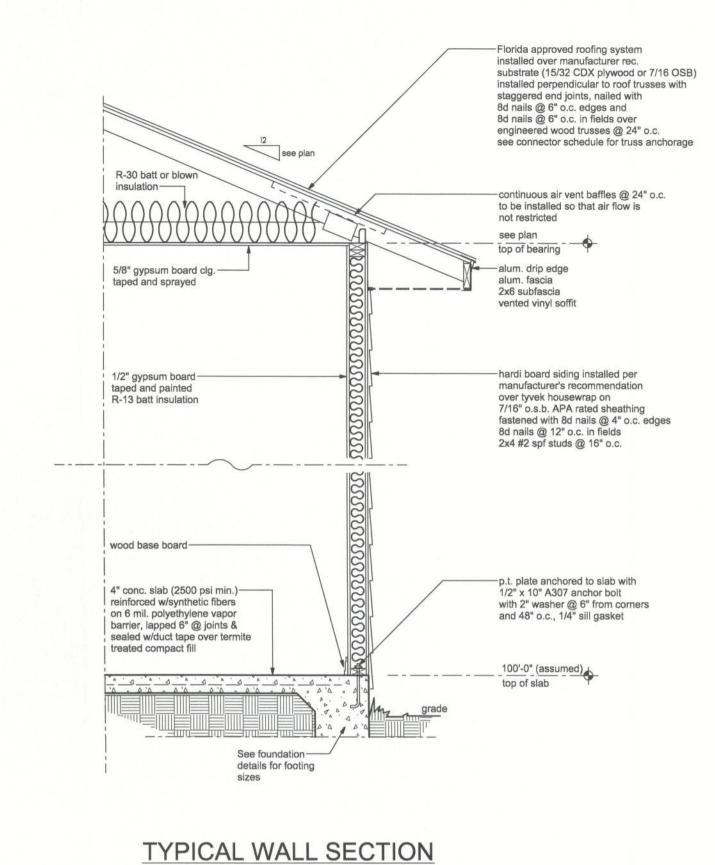
2x10 LEDGER FASTENED

2-16d TOE NAILS ON

EACH FACE TO LEDGER

TO BLOCKING OR TRUSS WITH 16d NAILS @ 6" o.c.

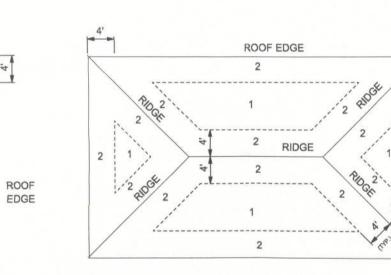




TYPICAL WALL SECTION

ROOF EDGE

RIDGE



	1			6" O.C. EDGE 6" O.C. FIELD
ROOF EDGE	2	7/16" OSB & 15/32" CDX	8D GALV. RING SHANK NAILS	6" O.C. EDGE 6" O.C. FIELD
	3			4" O.C. @ GABLES 6" O.C. EDGE 6" O.C. FIELD
		ROOF EDGE 2	ROOF 7/16" OSB & 15/32" CDX	ROOF 2 7/16" OSB 8D GALV. EDGE 2 8 RING SHANK 15/32" CDX NAILS

NAILING | SHEATHING

ROOF SHEATHING NAILING ZONES (GABLE)

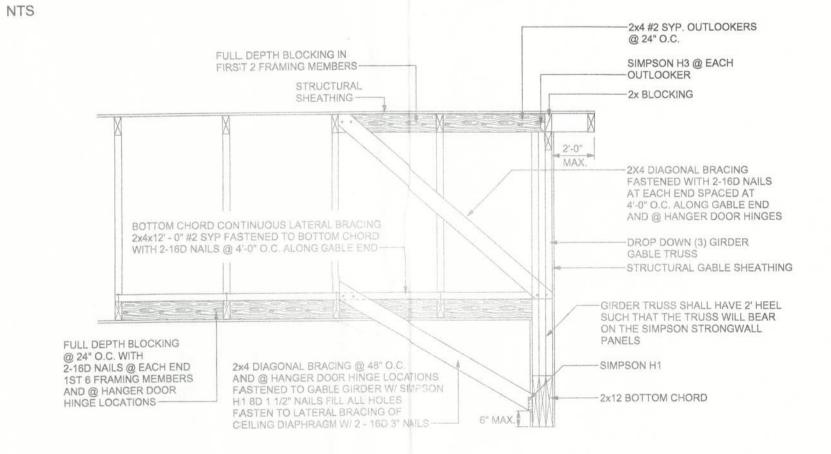
ROOF SHEATHING NAILING ZONES (HIP)

ROOF SHEATHING FASTENING

ROOF SHEATHING FASTENERS

SPACING

ROOF INTERSECTION CONNECTION DETAIL



2-16d TOE NAILS ON

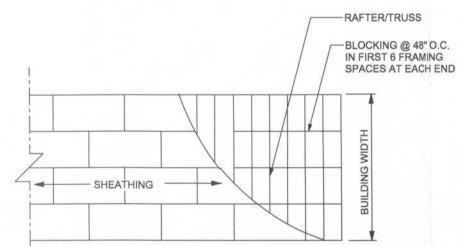
-EACH FACE TO RIDGE

-2x8 SPF#2 RIDGE BEAM

- 2x6 SPF #2 RAFTERS @ 24" o.c.

2x6 COLLAR TIES

@ 48" O.C. (TYP.)



ROOF SHEATHING LAYOUT AND ENDWALL ROOF BRACING

FIREBLOCKING NOTES:

FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE

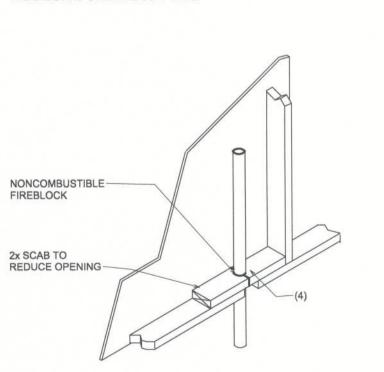
FOLLOWING LOCATIONS: 1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED

SPACES AT CEILING AND FLOOR LEVELS. 2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL

SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC. 3. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF

4. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH PYROPANEL MULTIFLEX SEALANT

5. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.



WALLS GREATER THAN -2x BOTTOM PLATE ACTS AS FIREBLOCK

PLATFORM FRAMING

END WALL BRACING FOR CEILING DIAPHRAGM AT HANGER DOOR

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ALL CLAIMS, WHETHER FROM PERSONAL INJURY OR PROPERTY DAMAGE, ARISING FORM EVENTS ASSOCIATED WITH THE WORK PERFORMED UNDER THE CONTRACT FOR THIS PROJECT.

GENERAL NOTES:

THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WARRANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE WORK DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORK-MANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.

AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURPOSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.

THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VARIOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT BE THEY CITY, COUNTY, STATE OR FEDERAL.

THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING OF THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNER" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT

GASKET

ROOF JACK-

ROOFING LAPS-

SIDES AND TOP

FLASHING LAPS

ROOF JACKS AND VENTS

RIDGE VENT DETAIL

LESS THAN 1/150

VENTILATION SHALL BE PROVIDED TO FURNISH CROSS VENTILATION OF EACH

SEPARATE ATTIC SPACE WITH WEATHER PROTECTED VENTS. ALL VENTS SHALL BE SCREENED TO PROTECT THE INTERIOR FROM INTRUSION OF BIRDS. THE RATIO

OF TOTAL NET FREE VENTILATION AREA TO THE AREA OF CEILING SHALL NOT BE

CONSTRUCTION DOCUMENTS:

DO NOT SCALE THESE PLANS:

ITEMS NOT DIMENSIONED.

CHANGES TO PLAN SETS:

SPECIFICATIONS ON THE PLANS.

CONT. RIDGE VENT AS PER "GAF"

-SHINGLE ROOFING AS PER SCHEDULE

1/2" CDX PLYWOOD OR 7/16" OSB

FRAMING AS PER ROOF FRAMING

PLAN (TRUSSES OR LUMBER)

THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF

RESPONSIBLE FOR REVIEWING THE PLANS AND VERIFYING ALL EXISTING

AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS.

SIMPLE ARITHMATIC MAY BE USED TO DETERMINE THE LOCATION OF THOSE

PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THES PLANS WITHOUT

TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM

CONSULTING WITH THE ARCHITECT/ENGINEER. THE OWNER SHALL ASSUME ANY

AND ALL LIABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE

CONDITIONS, ELEVATIONS, AND DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION INCLUDING FABRICATION. ALL DISCREPANCIES SHALL

BE REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION.

CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITY FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR IS SOLELY

ON PLANS - SEE ROOFING NOTES

SHEATHING AS PER NAILING

"COBRA RIGID VENT II"

W/ SHINGLE COVERING

SCHEDULE ON PLANS

FLASHING AT

- ANY AND ALL DISPUTES ARISING FROM EVENITS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECTI BETWEEN THE OWNER, CONTACTOR(S) AND SUPPLIERS SHALL BE RESOLVED THROUGH BINDING ARBITRATION.
- ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLIICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH THE MINIMUM ENERGY REQUIREMENTS OF TITLE BUILDING CODE. ANY DISCREPANCIES SHALL BE REPORTED ITO THE ARCHITECT IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORK.
- ALL INSULATION SHALL BE LEFT EXPOSED AIND ALL LABELS LEFT INTACT ON THE WINDOWS AND DOORS; UNTIL INSPECTED BY THE BUILDING OFFICIAL.
- ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

BUILDING LENGTH

RAWN BY:	
TM	
PPROVED BY:	

ZECHER HANGER-HOME

PENETRATIONS

CES PROJECT NO .: 2013-026

ADD 2x FIREBLOCK

SOFFIT/DROPPED CLG.

-2x TOP PLATES

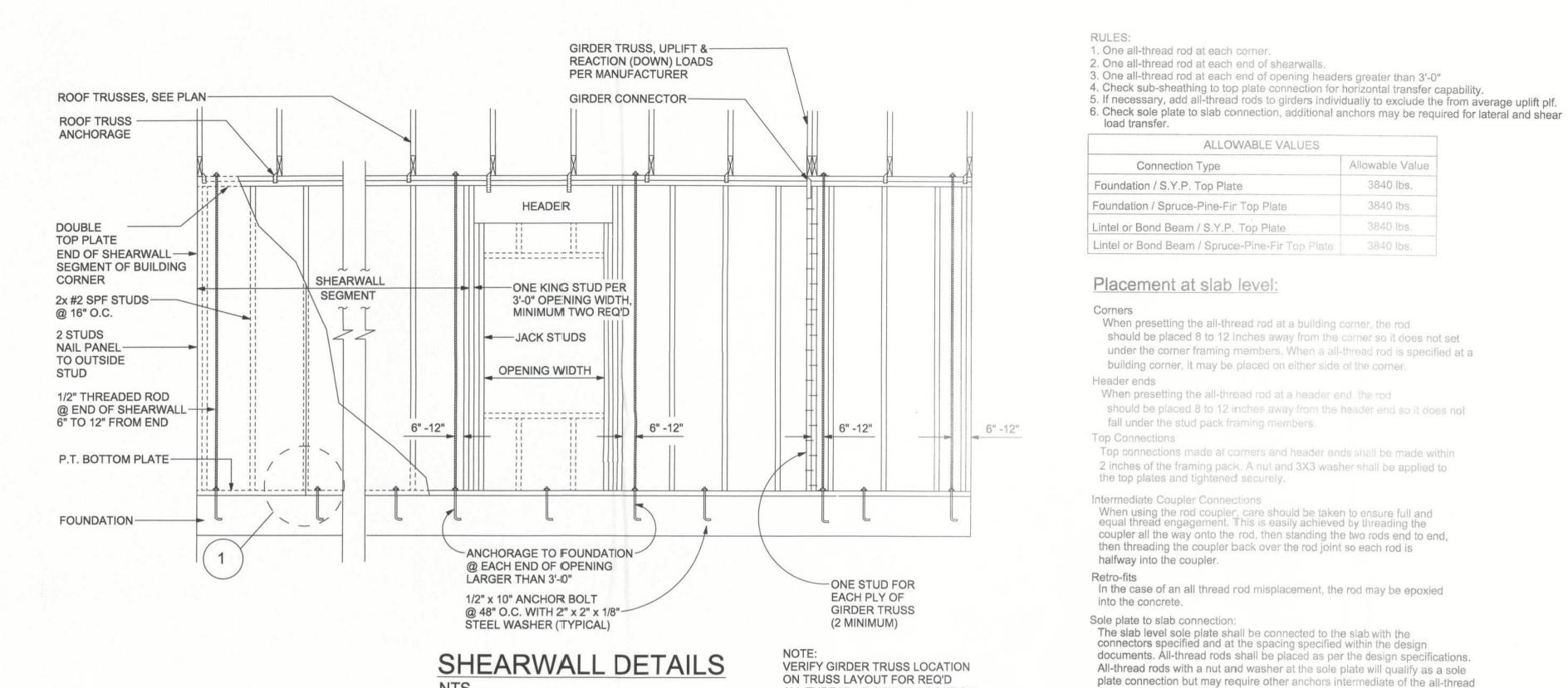
ACT AS FIREBLOCK

PROVIDE INTERMEDIATE

2x FIREBLOCKING FOR

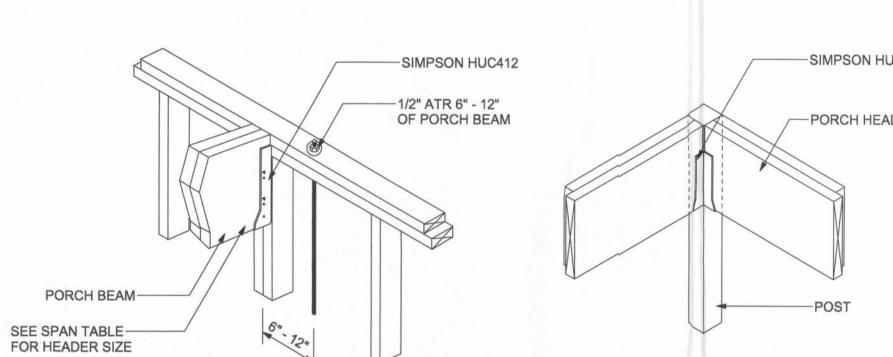
CUT BETWEEN STUDS

REVISIONS CERTIFICATE OF AUTHORIZATION DESCRIPTION DATE BY NO. 28022 DATE BY DESCRIPTION P.O. BOX 970 SHEET: LAKE CITY, FL 32056 SECTIONS AND FRAMING DETAILS S-2 PHONE: 386.754.4085 BC Crews Engineering Services, LLC Brett A. Crews, P.E. 65592



CON	NECTOR SC	HEDULE FO	R TRUSS ANCHOR	RAGE
CONNECTOR	TRUSS	TOP PLATE	UPLIFT PROVIDED	MANUFACTURER
H2.5	5-8d NAILS	5-8d NAILS	365 LBS	SIMPSON
H10	8-8d NAILS	8-8d NAILS	850 LBS	SIMPSON
MTS12	7-10d NAILS	7-10d NAILS	1,000 LBS	SIMPSON
H16	2-10d NAILS	10-10d NAILS	1,300 LBS	SIMPSON
(2)HTS20	10-10d NAILS	10-10d NAILS	2 x 1,450 = 2,900 LBS	SIMPSON

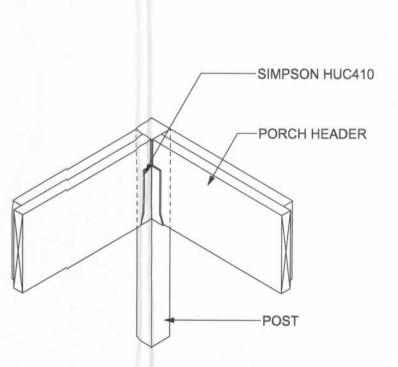
OPENING CONNECTION REQUIREMEINTS							
CLEAR OPENING WIDTH	HEADER SIZE #2 GRADE OR BETTER	END BEARING	CONNECTOR AT EACH END OF OPENING	ANCHORAGE TO FOUNDATION @ EACH END OF OPENING			
0' - 3'	(2) 2x8	1.5"	N/A	N/A			
>3' - 6'	(2) 2x10	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD			
>6' - 9'	(2) 2x12	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD			
>9' - 12'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD			
>12' - 15'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD			
>15' - 18'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	4.5"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD			



PORCH BEAM W/ ALLTHREAD

CORNER POST

REVISIONS



ALL THREAD AT GIRDER LOCATION

A SOLID MEMBER OF EQUAL OR

IF RATED SHEATHING IS APPLIED

TO NARROW EDGES, NAILED TO

EACH STUD AT 6" O.C. MAXIMUM,

THE LAMINATION NAILING SHOWN

GREATER SIZE THAN MULTIPLE

MEMBERS MAY BE USED

HERE IS NOT REQUIRED.

NTS

SEE SPAN TABLE FOR HEADER SIZE SIMSPSON HUC412 W/(22) 16D NAILS TO POST AND 10-10D NAILS TO BEAM -DOUBLE 2X OR SOLID POST -STUD WALL

END (TOP OR BOTTOM)

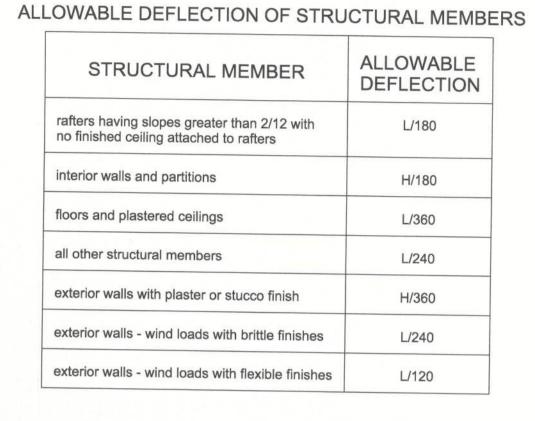
GIRDER COLUMN DETAIL

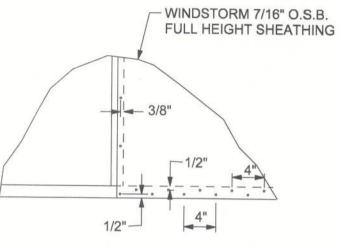
BEAM/WALL CONNECTION MAX. CAPACITY - 3640# DOWN; 1810# UPLIFT NOT TO SCALE

SHEARWALL NOTES:

- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-99 305.4.3. 2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" O.S.B. INCLUDING AREAS ABOVE AND BELOW
- OPENINGS. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
- 4. NAIL SPACING SHALL BE 6" O.C. EDGES AND 12" O.C. IN THE FIELD.
- TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 ie. FOR 8'-0" WALLS - (2'-3").

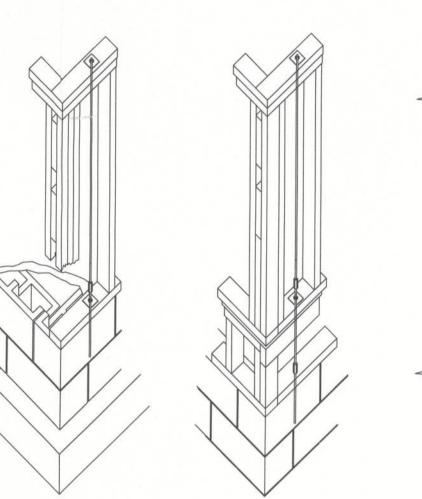
OPENING WIDTH	SILL PLATES	16d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
> 6' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3

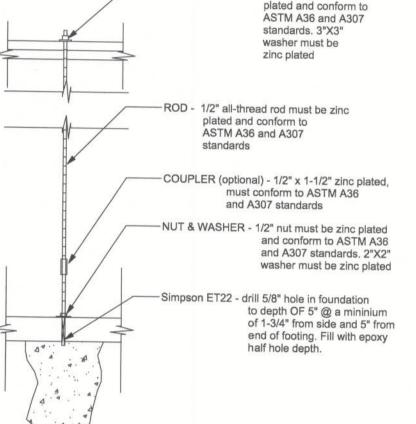




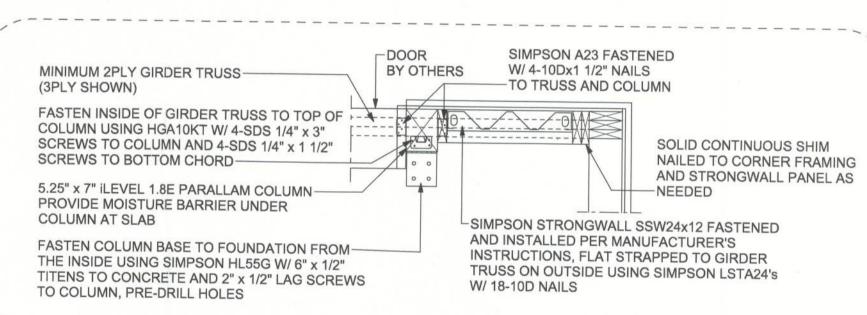
DOUBLE NAIL EDGE SPACING TOP AND BOTTOM PLATE UPLIFT CAPACITY = 474 plf

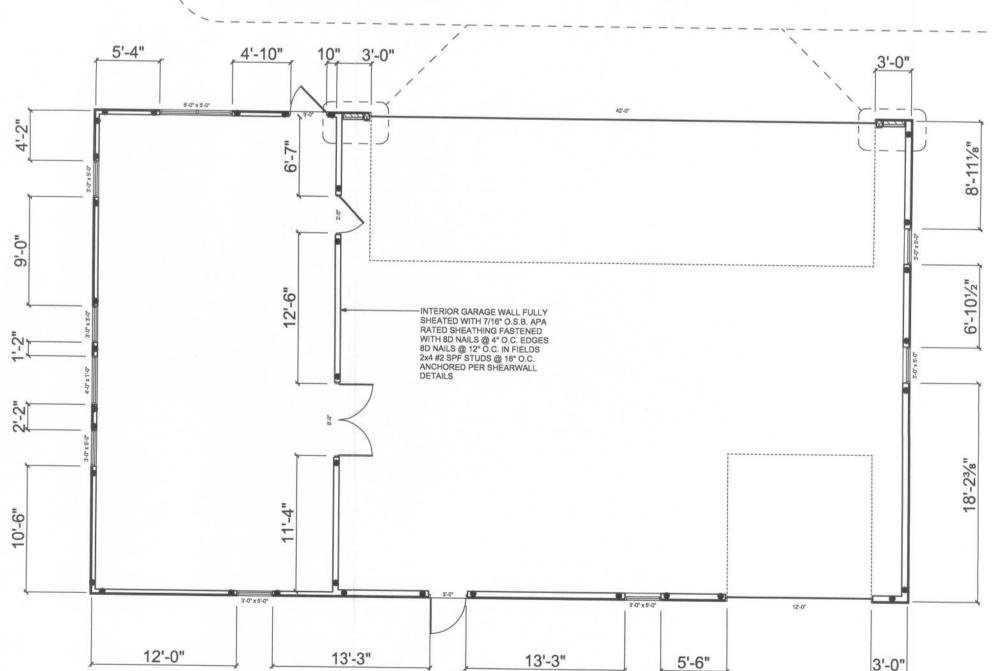
ALL WALL SHEATHING SHALL BE WINDSTORM 1 1/8" FULL HEIGHT SHEATHING-SEE DETAIL 1 FOR NAILING





NUT & WASHER - 1/2" nut must be zinc





CERTIFICATE OF AUTHORIZATION NO. 28022

> P.O. BOX 970 LAKE CITY, FL 32056 PHONE: 386.754.4085

6-4-2013

Brett A. Crews, P.E. 65592

DRAWN BY: TM APPROVED BY: BC

ZECHER HANGER-HOME

2013-026 SHEET:

CES PROJECT NO .:

DATE BY DESCRIPTION DATE BY DESCRIPTION

Crews Engineering Services, LLC

ALLOWABLE VALUES

When presetting the all-thread rod at a building corner, the rod

building corner, it may be placed on either side of the corner.

When presetting the all-thread rod at a header end, the rod

fall under the stud pack framing members.

halfway into the coupler.

System Tightening:

should be placed 8 to 12 inches away from the corner so it does not set

under the corner framing members. When a all-thread rod is specified at a

should be placed 8 to 12 inches away from the header end so it does not

Top connections made at corners and header ends shall be made within

When using the rod coupler, care should be taken to ensure full and

then threading the coupler back over the rod joint so each rod is

rod locations to qualify the specified spacing requirements.

coupler all the way onto the rod, then standing the two rods end to end.

documents. All-thread rods shall be placed as per the design specifications.

On multiple story applications, the all-thread rod system shall be rechecked for proper tension just before the walls are veneered. This will allow the all-thread rod system to compensate for the buildings dead load compression.

10D NAILS @-

Connection Type

Allowable Value

3840 lbs.

3840 lbs.

3840 lbs.

(20) 10D NAILS

MINIMUM-

TOP PLATE SPLICE DETAILS

INTERMEDIATE POST

(20) 10D NAILS

MINIMUM-

SIMPSON HUC410---

PORCH HEADER-

SHEARWALL DETAILS

SHEARWALL LAYOUT

ALL THREAD LOCATION

S-3