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

## CONCRETE / MASONRY / METALS GENERAL NOTES:

- 1. DESIGN SOIL BEARING PRESSURE: 1500 PSF.
- 2. EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PREFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS. BOTH SUB-SOIL AND FILL COMPAC-TION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
- 4. REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIRE-MENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- 5. WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIRE-MENTS OF ASTM A185 - MIN. YEILD STRESS = 85 KSI.
- CONCRETE SHALL BE STANDARD MIX F'c = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F'c = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACE-MENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
- 7. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
- 8. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.

THE DESIGN WIND SPEED FOR THIS PROJECT IS 110 MPH PER 2007 FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS

PRIOR TO THE CONSTRUCTION OF THE FOUNDATION, THE CONTRACTOR SHALL COORDINATE ANY INTERIOR

BEARING LOCATION CONDITIONS PER THE TRUSS ENGINEERED SHOP DRAWINGS WITH THE FOUNDATION PLAN. ANY INTERIOR BEARING LOCATIONS OR ANY POINT LOADS OF 4.0 K OR GREATER SHALL BE SUPPORTED VIA A MODIFIED FOUNDATION PLAN TAKING THESE LOADS INTO CONSIDERATION. THE CONTRACTOR SHALL MAKE THE ENGINEERED TRUSS SHOP DRAWINGS AVAILABLE TO THE ARCHITECT FOR THE PURPOSE OF RENDERING SUCH MODIFICATIONS

PRIOR TO POURING ANY CONCRETE.

NOTE: ADDED FILL SHALL BE APPLIED IN 8" LIFTS -EA. LIFT SHALL BE CONPACTED TO 98% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.

PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONT'R SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONT'R SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

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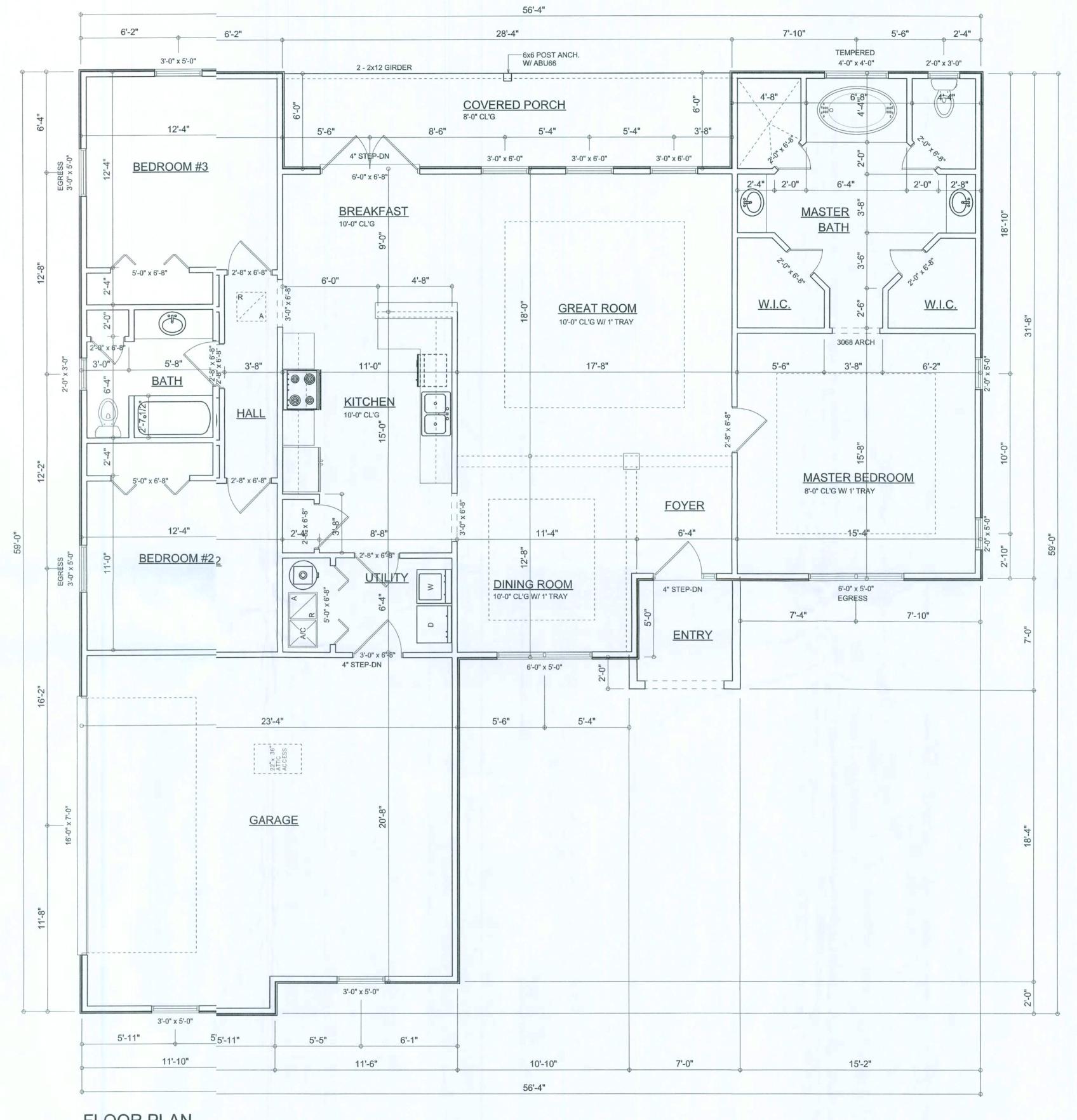
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S.4

7 HEETS





**FLOOR PLAN** 

ALL CEILINGS SHALL BE 8'-0" UNLESS S OTHERWISE NOTED

AREA SUMMARY

LIVING AREA 1787 S.F. **GARAGE AREA ENTRY PORCH AREA** 46 S.F.

2501 S.F. TOTAL AREA

498 S.F.

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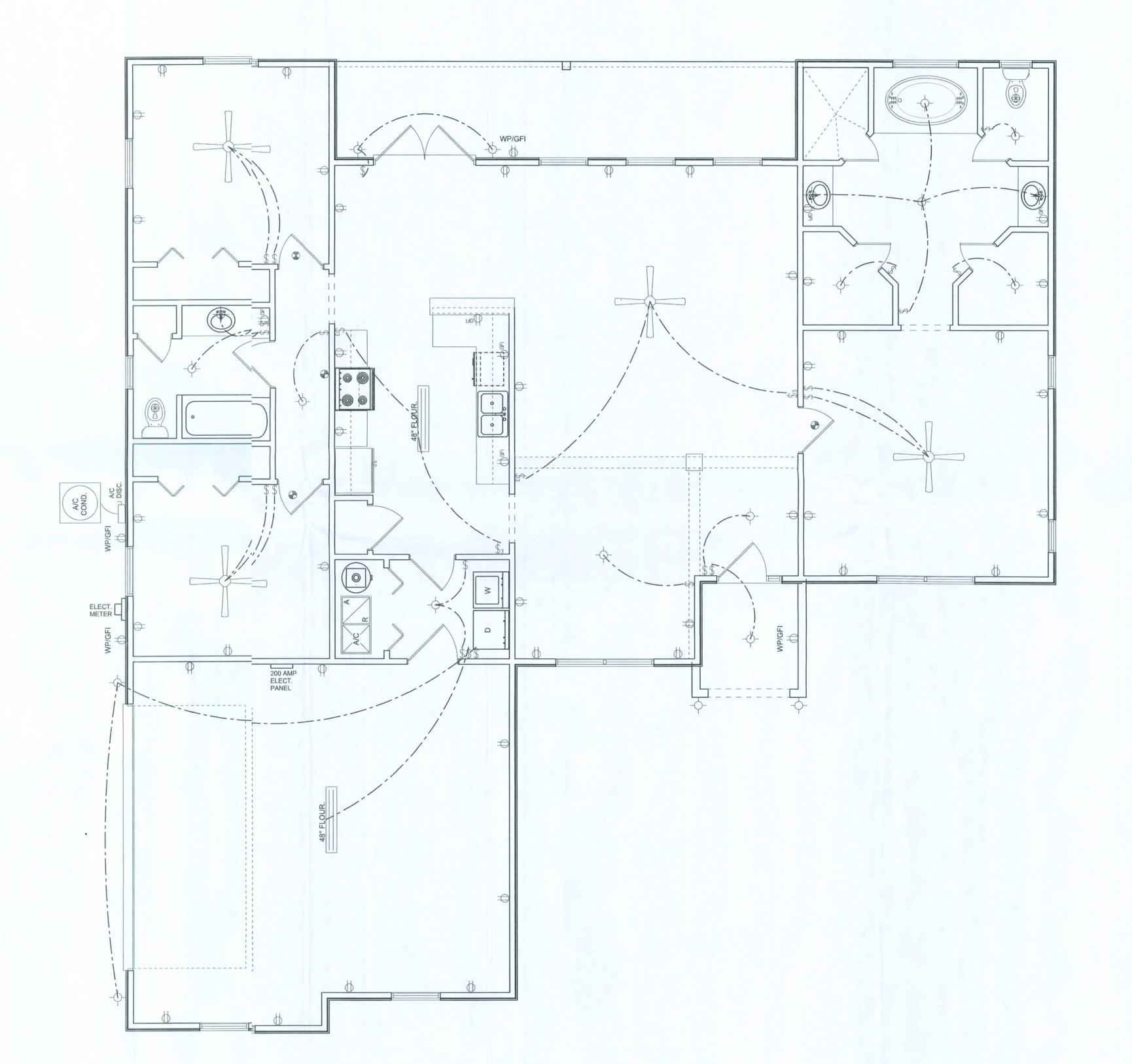
**S.2** 7 SHEETS

ELECTRICAL EGEND CEILING FAN (PRE-WIRE FOR LIGHTIT) DOUBLE SECURITY RECESSED CAN LIGHT BATH EXHAUST FAN LIGHT FIXTURE DUPLEX OUTLET GFI DUPLEX OUTLET TELEVISION JACK TELEPHONE JACK SMOKE DETECTOR (s. note below) WALL SWITCH 3 WAY WALL SWITCH WATER PROOF GFI OFLET 48" FLOUR. 2 OR 4 TUB FLUORESENT FIXTURE

NOTE: ALL BEDROOM RECEPTACLES SHALL BE ACI (ARC FAULT CIRCUIT INTERRUPT)

ALL SMOKE DETECTORS SHALL HAVE BATERY BACKUP POWER AND ALL WIRED TOGETHER SO IF ANY ONUNIT IS ACTUATED THEY ALL ACTIVATE.

THE ELECTRICAL SERVICE OVERCURRENTROTECTION DEVICE SHALL BE INSTALLED ON THE EXTERIOR OF STRUCTRES TO SERVE AS A DISCONNECT MEANS. CONDUCTORS USED FROM THE EXTERIODISCONNECTING MEANS TO A PANEL OR SUB PANEL SHALL HAVE FOUR-WIRE CONDUCTORS, OF WHICH ONE CONDUCTOR SHALL BE USED AS AN EQUIPMENT GROUD.



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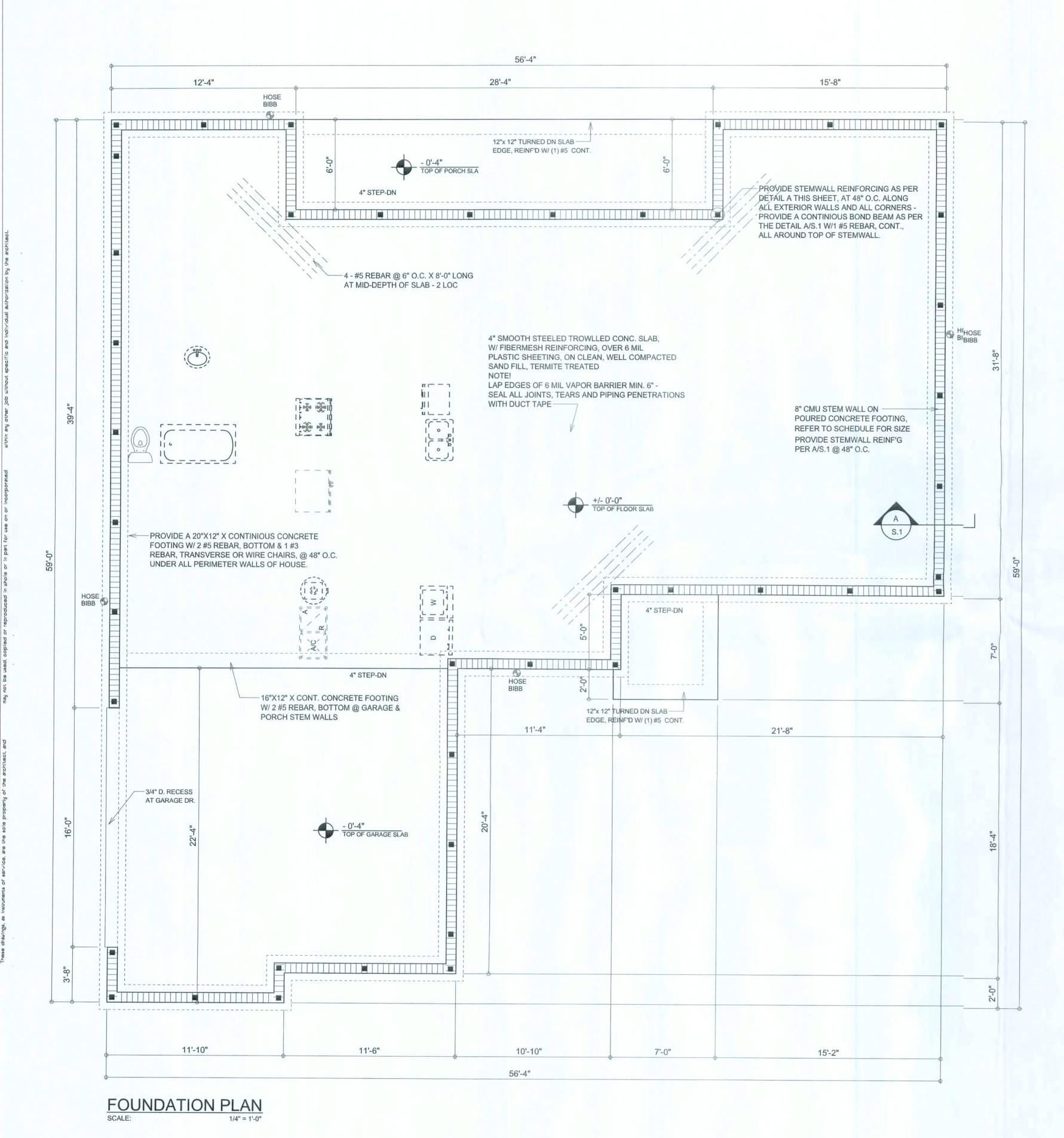
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7 SHEETS



CONCRETE / MASONRY / METALS GENERAL NOTES:

DESIGN SOIL BEARING PRESSURE: 1500 PSF.

2. EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PREFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.

3. CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS. BOTH SUB-SOIL AND FILL COMPAC-TION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.

REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIRE-MENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.

5. WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIRE-MENTS OF ASTM A185 - MIN. YEILD STRESS = 85 KSI.

6. CONCRETE SHALL BE STANDARD MIX F'c = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F'c = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACE-MENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.

CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH -F'm = 1500 PSI.

8. MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.

9. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.

10. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.

11. 2X4 P/T WOOD SILL, CONT., ALL AROUND, W/ 5/8"~ A.B. W/ 3" SQ. X 1/4" PLATE WASHERS WITHIN 6" FROM EACH CORNER, EA. WAY, & WITHIN 6" FROM ALL WALL OPENINGS / ENDS - 1/2"~ A.B. W/ 2" SQ. WASHERS ALONG EACH RUN @ 48" O.C., MAX. - ALL ANCHOR BOLTS SHALL HAVE A MINIMUM OF 8" EMBEDMENT INTO THE CONCRETE

PRIOR TO THE CONSTRUCTION OF THE FOUNDATION,

THE CONTRACTOR SHALL COORDINATE ANY INTERIOR BEARING LOCATION CONDITIONS PER THE TRUSS

ENGINEERED SHOP DRAWINGS WITH THE FOUNDATION PLAN. ANY INTERIOR BEARING LOCATIONS OR ANY

POINT LOADS OF 4.0 K OR GREATER SHALL BE

PRIOR TO POURING ANY CONCRETE.

SUPPORTED VIA A MODIFIED FOUNDATION PLAN

TAKING THESE LOADS INTO CONSIDERATION. THE

CONTRACTOR SHALL MAKE THE ENGINEERED TRUSS

SHOP DRAWINGS AVAILABLE TO THE ARCHITECT FOR

THE PURPOSE OF RENDERING SUCH MODIFICATIONS

— 4" THK. 3000 PSI CONCRETE SLAB W/ FIBERMESH CONCRETE ADDITIVE. OVER TREATED, CLEAN COMPACTED FILL −#5 ELLS X 18" X 18" @ 48" O.C. MAX.

-8" CMU BOND BEAM W/#5 BAR CONT/25" MIN. LAP 8" CMU -#5 DOWELS @ 72" O.C. MAX. #3 BARS HORIZ. OR WIRE CHAIRS @ 48" O.C. -3000 PSI CONCRETE FOOTING 2-#5 BARS CONTINUOUS

> SECTION SCALE: 3/4" = 1'-0

THE DESIGN WIND SPEED FOR THIS PROJECT IS 110 MPH PER 2007 FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS

ADDED FILL SHALL BE APPLIED IN 8" LIFTS -EA. LIFT SHALL BE CONPACTED TO 98% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.

PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONT'R SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE: H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONT'R SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

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**S.4** 

Roof Framing PLAN SCALE: 1/4" = 1'-0"

ANCHOR GIRDER TRUSS(ES) TO HEADER WITH 2 "SIMPSON" LGT(2, 3 OR 4), ANCHOR HEADER TO KING STUDS W/ 2 "SIMPSON" ST22 EA. END - TYP., T.O.

REFER TO THE WINDOW/DOOR HEADER SCHEDULE ON SHEET SD.4 FOR ALL MINIMUM SIZE HEADERS AND ALTERNATES MINIMUM SIZE ALLOWABLE IS 2-2×10.

THE CONTRACTOR SHALL COORDINATE THE TRUSS TO TRUSS ANCHOR REQUIREMENTS WITH THE TRUSS ENGINEERING SHOP DRAWINGS, SOME OF THE TRUSS TO TRUSS CONNECTIONS WILL REQUIRE ANCHOR STRAPS IN ADDITION TO TYPICAL NAILING, ANCHOR DEVICES SHALL BE REQUIRED FOR ALL JOINTS WITH AN UPLIFT OR GRAVITY LOAD OF 100 LBS OR GREATER.

TRUSSES BEARING ON INTERIOR PARTITIONS WHERE UPLIFT LOADS ARE PRESENT SHALL REQUIRE ANCHORS OF EQUAL OR GREATER LOAD CAPACITY THAN THAT INDICATED BY THE TRUSS SHOP DRAWINGS, THE UPLIFT ANCHOR SYSTEM SHALL BE CONTINUOUS TO THE FOUNDATION.

SHOP DWG COORDINATION: THE TRUSS ANCHOR STRAPS AS INDICATED IN THE CONSTRUCTION DOCUMENTS ARE SUGGESTED STRAPS AND THAT THE TRUSS ENGINEERED SHOP DRAWING LOADS TAKE PRECEDENCE OVER THAT INDICATED IN THE CONSTRUCTION DOCUMENTS. THE UPLIFT LOADS INDICATED FOR EACH TRUSS IN THE ENGINEERED TRUSS SHOP DRAWINGS MAY BE MATCHED TO STANDARD PRODUCT UPLIFT RATINGS FOR COMPARABLE UPLIFT CONNECTORS, AND THAT THE PRODUCTS THAT PROVIDE EQUAL OR GREATER UPLIFT RESISTANCE FOR THE LISTED LOADS MAY BE USED IN LIEU OF THOSE INDICATED IN THE CONSTRUCTION DOCUMENTS OR AS APPROVED BY THE BUILDING OFFICIAL.

## PROJECT COORDINATION REQUIREMENTS

THESE PLANS ARE DRAWN FOR AVERAGE SITE CONDITIONS AND COMPLIANCE WITH APPLICABLE CODES IN LAKE CITY, FL AT THE TIME THEY ARE DRAWN. DUE TO VARYING STATE, LOCAL, AND NATIONAL CODES RULES AND REGULATIONS, N.P.GEISLER, ARCHITCT CANNOT WARRANT COMPLIANCE WITH ALL APPLICABLE STATE, LOCAL, AND NATIONAL CODES IN YOUR AREA OR WITH YOUR PARTICULAR SITE CONDITIONS. IT IS THE RESPONSIBILITY OF THE PURCHASER AND/OR BUILDER TO SEE THAT THE STRUCTURE IS BUILT IN STRICT COMPLIANCE WITH ALL GOVERNING MUNICIPAL CODES (CITY, COUNTY, STATE, AND FEDERAL). IF YOUR CITY OR STATE REQUIRES AN ENGINEER'S SEAL FOR THE SITE/CIVIL PORTIONS OF THE WORK, YOU WILL NEED TO HAVE THAT DONE LOCALLY BY A QUALIFIED, LICENCED PROFESSIONAL ENGINEER.

SHEATH ROOF W/ 1/2" CDX PLYWOOD PLACED

W/ LONG DIMENSION PERPENDICULAR TO THE

PROJECT IS 110 MPH PER 2007 FBC 1609

AND LOCAL JURISDICTION REQUIREMENTS

ROOF TRUSSES, SECURE TO FRAMING W/ 8d

NAILS - AS PER DETAIL ON SHEET SD.4

THE DESIGN WIND SPEED FOR THIS

### ROOF PLAN NOTES

R-1 | SEE EXTERIOR ELEVATIONS FOR ROOF PITCH

R-22 ALL OVERHANG 18"

UNLESS OTHERWISE NOTED R-33 PROVIDE ATTIC VENTILATION IN AC-CORDANCE WITH SCHEDULE ON SD.3

R-44 SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HEEL HEIGHTS

R-53 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

NOTITE

ALL F PENETRATIONS OF THE TOP PLATE OF ALL LOAD BEARING WALL LE SHALL BE SEALED WITH FIRE RETARDANT CAULKING, INCLULUDING WIRING, PLUMBING OR OTHER SUCH PENETRATIONS. WALLES OVER 8'-0" TALL SHALL HAVE CONTINUOUS BLOCKING TO LILIMIT CAVITY HEIGHT TO 8'-O". PENETRATIONS THROUGH SUCH I BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOOP PLATES, NOTED ABOVE

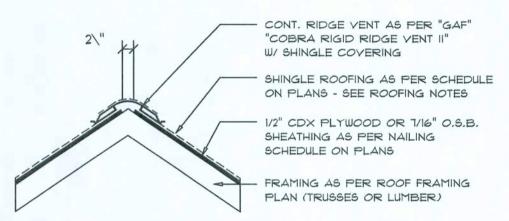
### GENERAL TRUSS NOTES:

- 1. TRRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITJITH THE REQUIREMENTS OF THE "NATIONAL FOREST PRODUCTS ASSOCIATION" <sup>MA</sup>ANUAL FOR "STRESS RATED LUMBER AND IT'S CONNECTIONS", LATEST Ed., ALONG W/ // THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCICLUDE TRUSS DESIGN, PLACEMENT PLANS, DETS, & TRUSS TO TRUSS CONNECTIONS.
- 2. TRRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
- 3. FOOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REEQUIRMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND UPPLIFT REQUIREMENTS OF TRUSSES OR GIRDERS, THE CONTRACTOR SHALL MAKE AV, VAILABLE A COMPLETE SET OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR THE PUIJURPOSE OF REVIEW OF LOADS IMPOSED ON THE BALANCE OF THE STRUCTURE, ANY SUCUCH REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THIS

## WOOD STRUCTURAL NOTES

- 1. TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPON-SIBILITY OF THE CONTRACTOR SO ENGAGED, TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDE-LINES OF THE "TRUSS PLATE INSTITUTE".
- 2. ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER & SHALL BE SIGNED AND SEALED BY SAME, TRUSS DESIGN SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE "TRUSS PLATE INSTITUTE",
- 3. WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN Nr.2 HEM-FIR OR BETTER.
- 4. CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED METAL OR BLACK METAL AS MANUFACTURED OR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CON-

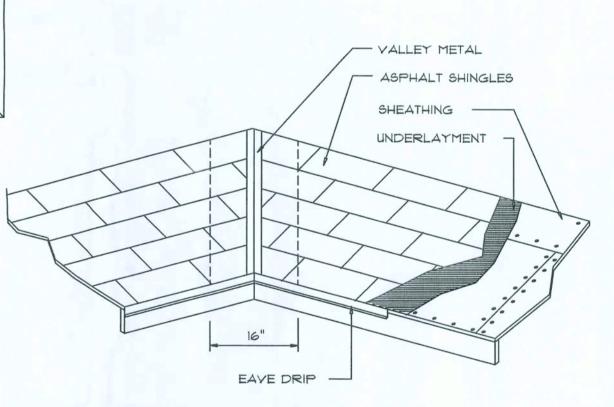
AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1900 SF	24 LF	490 SQ.IN.
2200 SF	28 LF	570 SQ.IN.
2500 SF	32 LF	650 SQ.IN.
2800 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	820 SQ.IN.
3600 SF	44 LF	900 SQ.IN.



MIAMI/DADE PRODUCT APPROVAL REPORT: \*98-0713.05

# Ridge Vent DETAIL SCALE: 3/4" = 1'-0"





VALLEY FLASHING

	TALS for FLAS		ING
MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALYANIZED STEEL	erio.o	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.027		40 20

Roofing/Flashing DETS.

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#### Compliance Summry

#### TYPE OF CONSTRUCTION

Hip Construction, Wood Trusses @ 24" O

Walls: 2x4 Wood Studs @ 16" O.C. Floor: 4" Thk. Concrete Slab W/ Fibermesh Concrete Iditive Continuous Footer/Stem Wall

#### **ROOF DECKING**

Material: 1/2" CD Plywood or 7/16" O.S.B.

48"x96" Sheets Perpendicular to Roof fiming Fasteners: 8d Common Nails per schedule on sheet 7

#### SHEARWALLS

1/2" CD Plywood or 7/16" O.S.B. Material: 48"x96" Sheets Placed Vertical Sheet Size:

8d Common Nails @ 4" O.C. Edges & 8).C. Interior Fasteners: Double Top Plate (S.Y.P.) W/16d Nails (12" O.C. Dragstrut:

Wall Studs: 2x4 Hem Fir Studs @ 16" O.C.

#### HURRICANE UPLIFT CONNECTORS

Corner Hold-down Device:

Truss Anchors: SEMCO HDPT2 @ Ea. Truss End (p. U.O.N.) Wall Sheathing Nailing is Adequate -1 @ 4" O.C. Top & Bot. Wall Tension: Anchor Bolts: 1/2" A307 Bolts @ 48" O.C. - 1st Bc6" from corner

(1) HD5a @ each rner

Porch Column Base Connector: Simpson ABUI/ABU66 @ each column Simpson PC44/PC44 @ each column Porch Column to Beam Connector:

#### FOOTINGS AND FOUNDATIONS

Footing: 20"x12" Cont. W/2-#5 Bars Cont. & 1-#3 Traverse @ 24" O.C. Stemwall: 8" C.M.U. W/1-#5 Vertical Dowel @ 48" O.C

ALL WIND LOADS ARE IN ACCORDANCE FLORIDA BUILDING CODE, 20		
BASIC WIND SPEED:	110 MPH	
WIND IMPORTANCE FACTOR (I):	I = 1.00	
BUILDING CATAGORY:	CATAGORY II	
WIND EXPOSURE:	"B"	
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18	
MWFRS PER TABLE 1606.2A (FBC 2004) DESIGN WIND PRESSURES:	ROOF: - 23.1 PSF WALLS: + 26.6 PSF EAVES: - 32.3 PSF	
COMPONENTS & CLADING PER TABLES 1609.2B & 1609.2C (FBC 2007) DESIGN WIND PRESSURES:	OP'NGS: + 21.8 / - 29.1 PSF EAVES: - 68.3 PSF ROOF: + 19.9 / - 25.5 PSF	

### TERMITE PROTECTION NOTES:

### SOIL CHEMICAL BARRIER METHOD:

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

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

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

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

5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXC/ATION AND

BACKFILL IS COMPLETE. FBC 1816.1.1

6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHAL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2 7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUET INSTALLATION

OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT MEAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND IPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITL TREATMENT. FBC 1816.1.3

8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLE TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEDRE VAPOR RET-ARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC816.1.4

9. CONCRETE OVERPOUR AND MORTAR ALONG THE FCNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMER. FBC 1816.1.5 10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTRIOR CONCRETE

OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALL FBC 1816.1.6 11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST I INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPIN AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER ISPPLIED, SHALL

BE RETREATED. FBC 1816.1.6 12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTUCTION TREATMENT. FBC 1816.1.7

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

14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD ANFILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS ICLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHECELLULOSE CONTAINING

15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TR3H, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDIN FBC 2303.1.4

### FRAMING ANCHOR SCHEDULE

APPLICATION TRUSS TO WALL: GIRDER TRUSS TO POST/HEADEF<sub>R</sub>: SIMPSON LGT, W/ 28 - 16d NAILS HEADER TO KING STUD(S): PLATE TO STUD:

CAP. SEMCO HDPT2 (OR EQUIVALENT), W/ 6 - 10d NAILS 960# 1785# 1370# SIMPSON ST22 SIMPSON SP2 1065# 585# SIMPSON SP1 SIMPSON PC44/EPC44 1700# SIMPSON ABU44 2200# 315#/240# SIMPSON A34

STUD TO SILL:

MISC. JOINTS

PORCH BEAM TO POST:

PORCH POST TO FND .:

ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM I JOINT STRENGTH, UNLESS NOTED OTHERWISE.

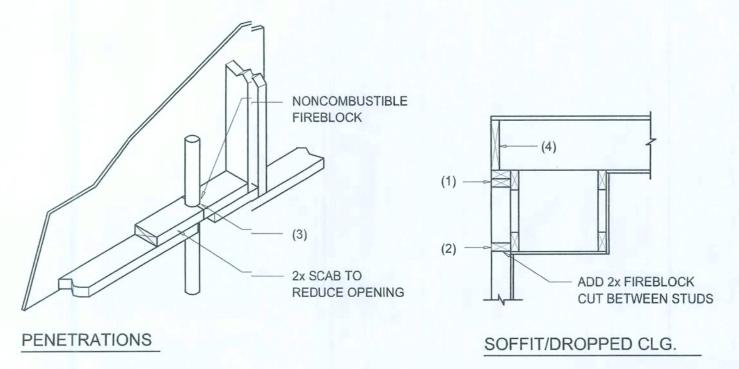
REFER TO THE INCLUDED STRUCCTURAL DETAILS FOR ADDITIONAL ANCHORS/ JOINT REINFORCEMENT AND FASSTENERS.

ALL UNLISTED JOINTS IN THE LOGAD PATH SHALL BE REINFORCED WITH SIMPSON A34 FRAMING ANCHORSS. TYPICAL T.O.

"SEMCO" PRODUCT APPROVAL:

MIAMI/DADE COUNTY REPORT #9 95-0818.15 "SIMPSON" PRODUCT APPROVAL'LS:

MIAMI/DADE COUNTY REPORT #9:97-0107.05, #96-1126.11, #99-0623.04 SBCC1 NER-443, NER-393



#### FIREBLOCKING NOTES:

FIREBLOCKING SHALL BE INSTALLED D IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

1. IN CONCEALED SPACES OF STULUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR R LEVELS.

2. AT ALL INTERCONNECTIONS BET-TWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.

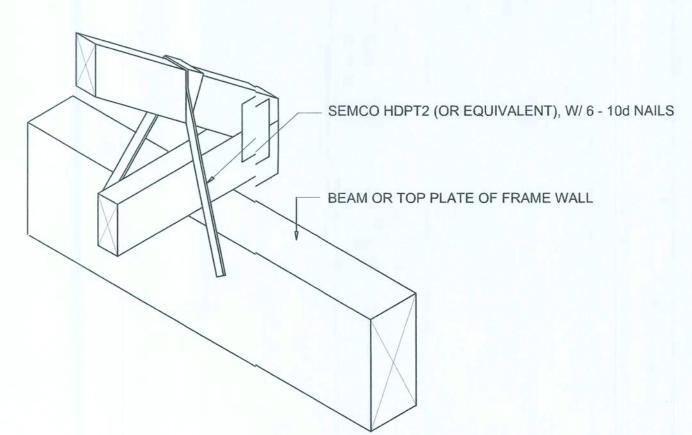
3. AT OPENINGS AROUND VENTS, F PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT"

4. AT ALL INTERCONNECTIONS BET-TWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCERALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKINING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS ANNO OVER THE SUPPORTS.

# Fire Stopping DETAILS

SCALE: NONE





# SEMCO HD)PT2

SCALE: 1/2" = 1'-0"

TRUSS TO WOOD BEAM



### General Roofing NOTES:

DECK REQUIREMENTS:

ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

SLOPE:

ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER. FOR ROOF SLOPES FROM 2:12 TO 4:12, DBL. UNDERLAYMENT IS REQUIRED.

UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM W/ ASTM D 226, TYPE 1, OR ASTM D 4869, TYPE 1.

SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:

SELF ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY W/ ASTM D 1970. ASPHALT SHINGLES:

ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 225 OR ASTM D 3462.

FASTENERS:

FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 12 GAUGE SHANK WITH A MINIMUM 3/8 INCH DIAMETER HEAD, OF A LENGTH TO PENETRATE THROUGH THE ROOFING MATERIAL AND A MINIMUM 3/4" INTO THE ROOF SHEATHING. WHERE THE SHEATHING IS LESS THAN 3/4" THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING.

ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE. WHERE ROOFS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 3161 OR M-DC PA 107-95.

UNDERLAYMENT APPLICATION:

FOR ROOF SLOPES FORM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS: 1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO

2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT

SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE. FOR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:

STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHINGS:

BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFGR'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 77 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ASPHALT SHINGLES. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED. 1. FOR OPEN VALLEYS LINED WITH METAL, THE VALLEY LINING SHALL BE

AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN FBC TABLE 1507.3.9.2. 2. FOR OPEN VALLEYS, VALLEY LINING OF TWO PLIES OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18

INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE. 3. FOR CLOSED VALLEYS VALLEY LINING SHALL BE ONE OF THE FOLLOWING: 1. BOTH TYPES 1 AND 2 ABOVE, COMBINED.

2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.

3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 1970.

ROOFSHINGLES SHALL BE AS MANUFACTURED BY "TAMKO ROOFING PRODUCTS" OF THE FOLLOWING MODELS:

> GLASS-SEAL AR ELITE GLASS-SEAL AR HERITAGE 30 AR HERITAGE 40 AR HERITAGE 50 AR

THESE SHINGLES MEET THE REQUIREMENTS OF ASTM D-3161 TYPE 1 MODIFIED TO 110 MPH WINDS & FBC TAS 100, USING 4 NAILS/SHINGLE

Cogright 2008 (C N.P Geisler, Architect

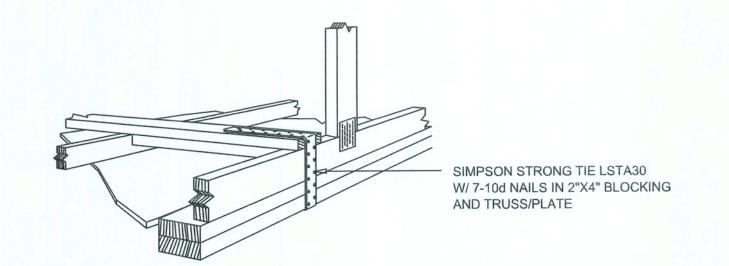
REVISION

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SHEE:

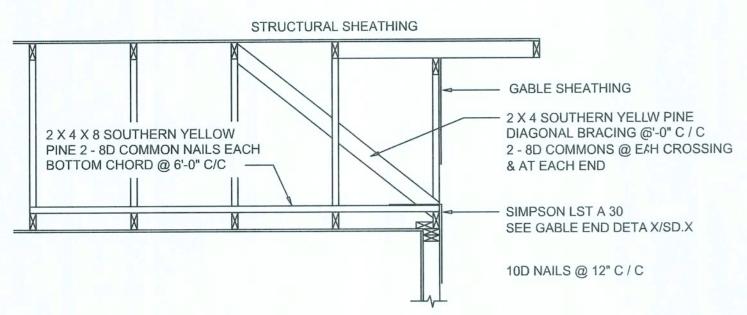
7 SHEETS





GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE

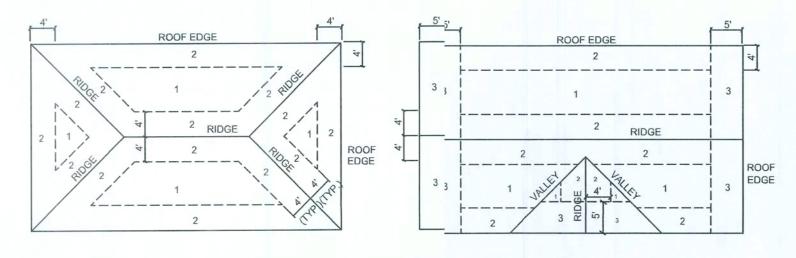


# END WALL BRACING FOR **CEILING DIAPHRAGM**

(ALTERNATIVE TO BALLOON FRAMING)

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

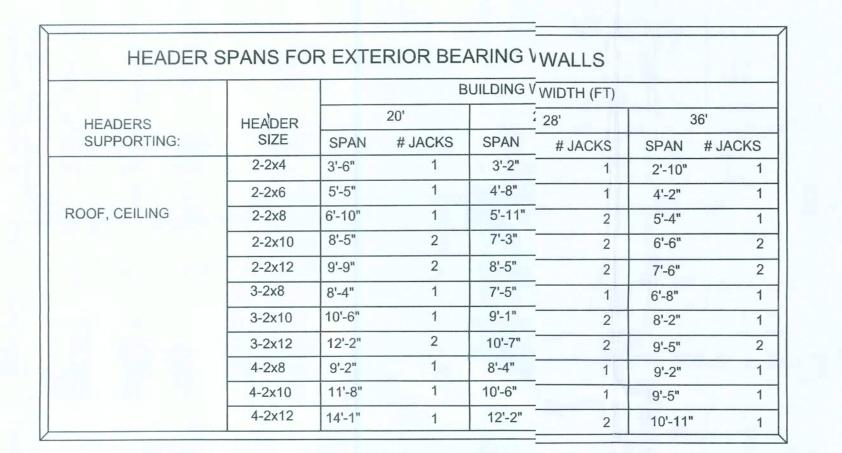
F	ROOF SHEATH	HING FASTER	NINGS
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	7/16 " O.S.B. OR 15/32 CDX	8d COMMON OR 8d HOT DIPPED GALVANIZED BOX NAILS	6 in. o.c. EDGE 12 in. o.c. FIELD
2			6 in. o.c. EDGE 6 in. o.c. FIELD
3			4 in. o.c. @ GABLE END\DWA OR GABLE TRUSS S 6 in. o.c. EDGE 6 in. o.c. FIELD

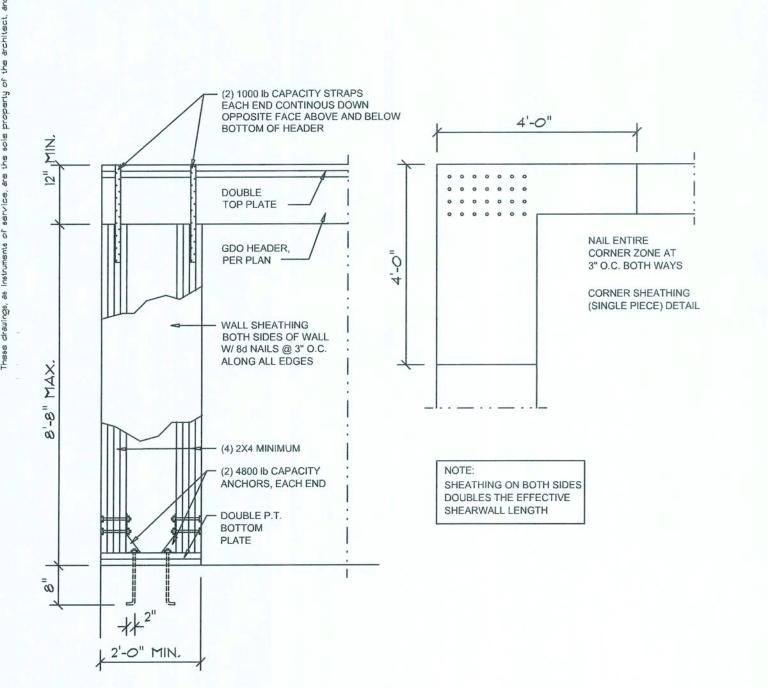


(HIP ROOF) Roof Nail Pattern DET.

SCALE: NONE

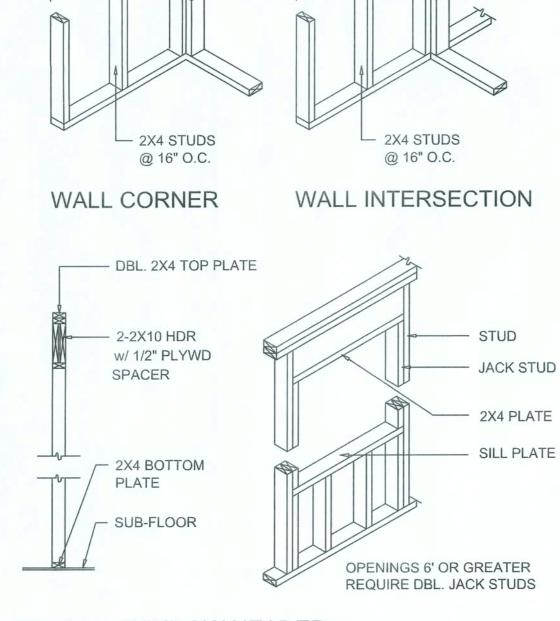
**ROOF SHEATHING NAILING ZONES** 



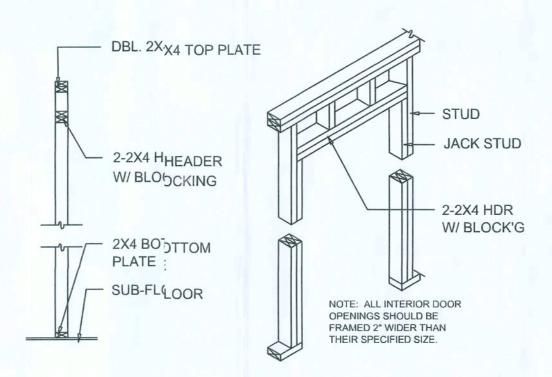


Garage End Wall DETAILS

SCALE: 1/2" = 1'-0"



TYPICAL WINDOW HEADER

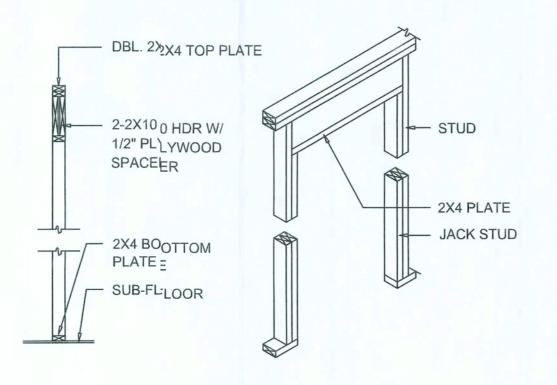


**ROOF SHEATHING NAILING ZONES** 

В

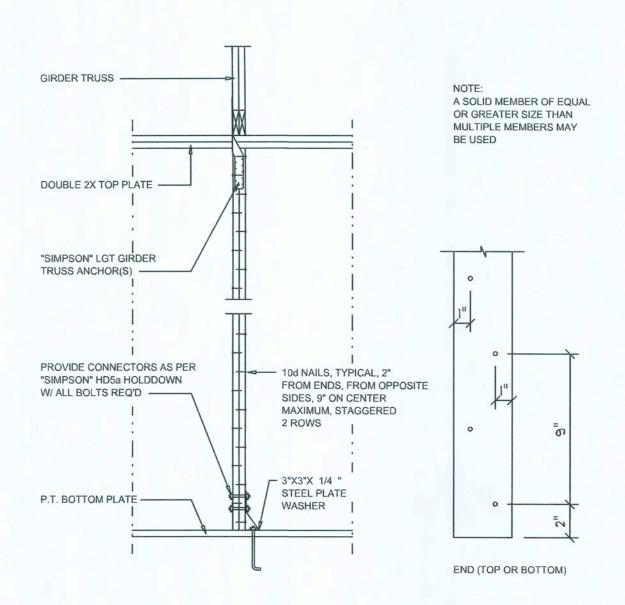
(GABLE ROOF)

NON-BEARKING WALL HEADER



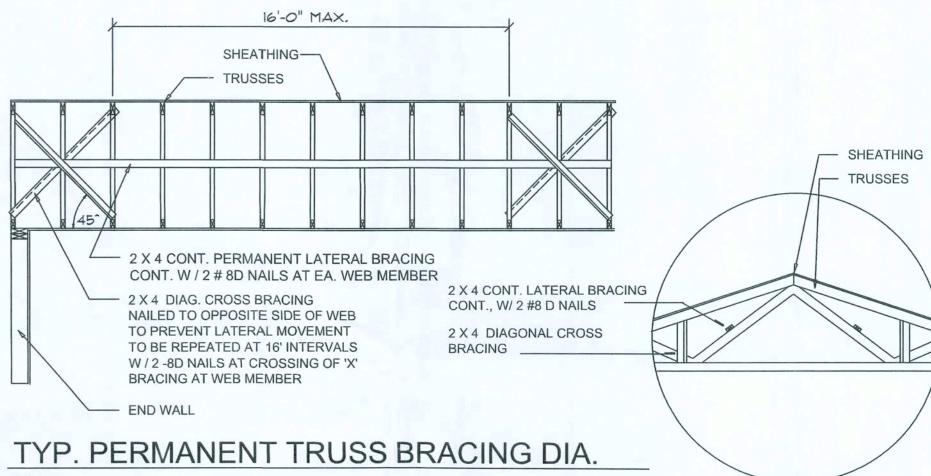
BEARING WALL HEADER





# Girder Truss Column DET.

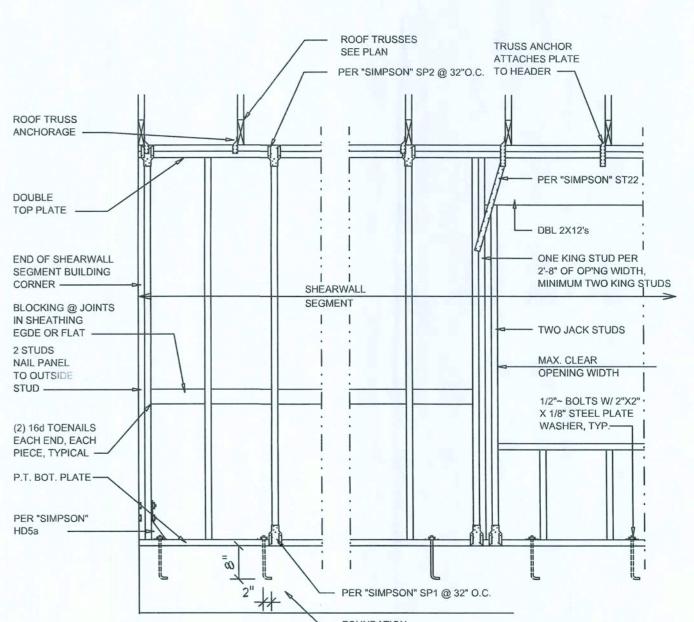
SCALE: 1/2" = 1'-0"



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

# Truss Bracing DETAILS

SCALE: AS NOTED



1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-97 SBBCI 305.4.3. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16 " O.S.B. INCLUDING AREAS ABOVE AND BELOW

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 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

# Shear Wall DETAILS

SCALE: NONE

Opyright 2008 (C) NP. Geisler, Architect

OMPASS

DA'E: 09JAN08

SHIET:

**S.4** 

7 SHEETS

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