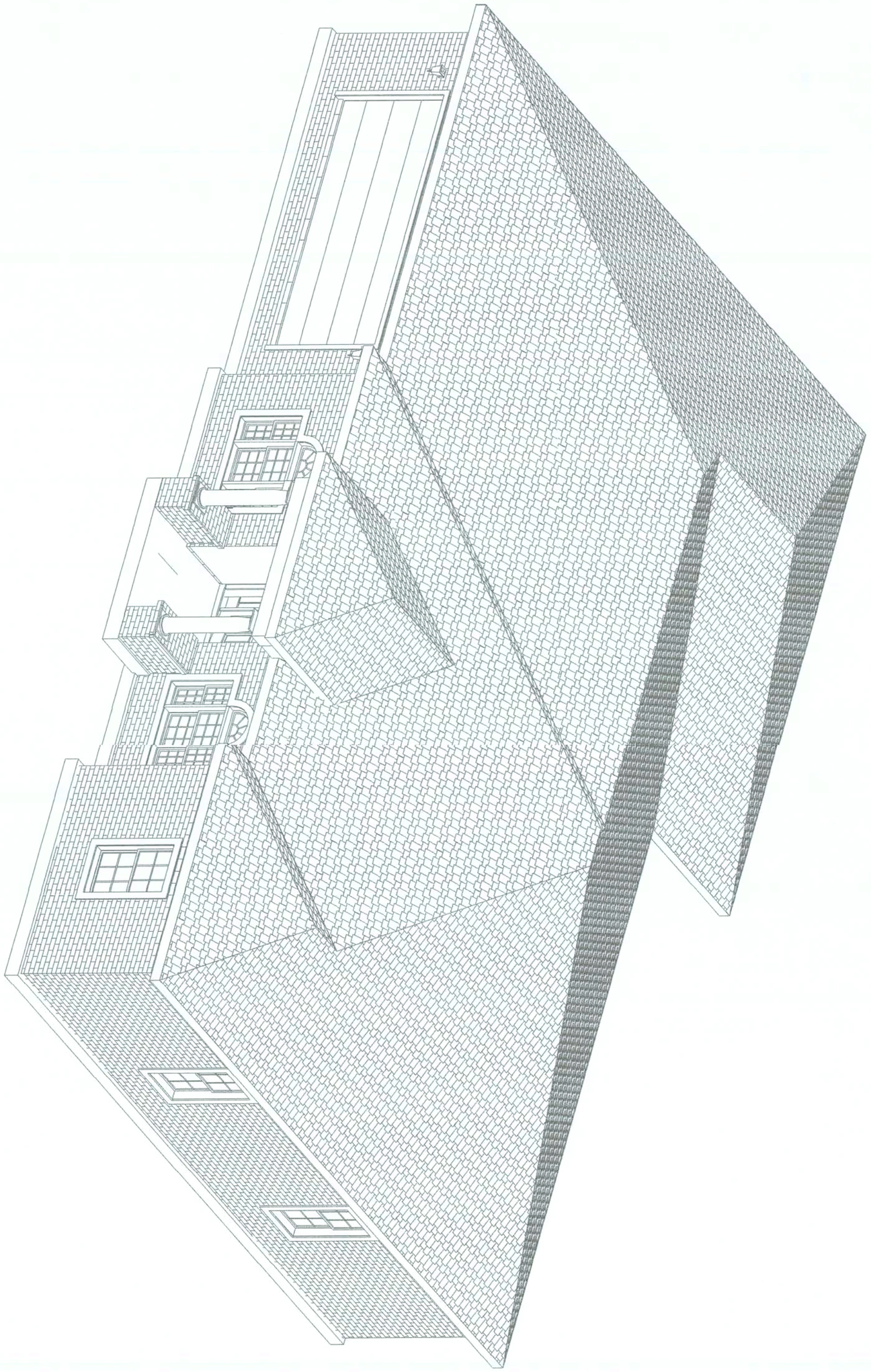
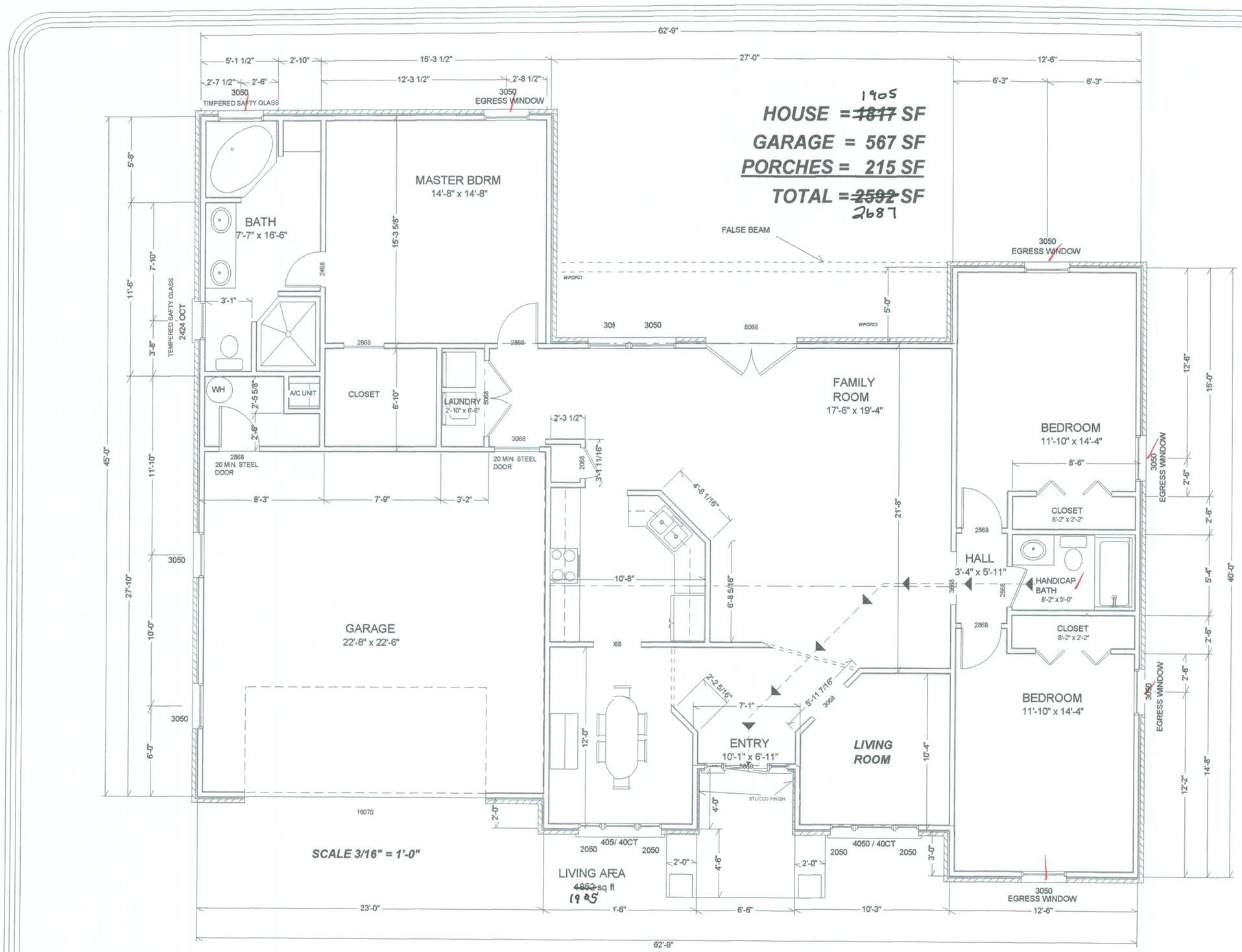
OFFICE COPY



PAGE	PROJECT	DONNY WILLIAMS CONSTRUCTION
1 OF 11	LANCELOT MODEL STONEHENGE LOT P2-25	541 SW AIRPARK GLEN LAKE CITY, FL 32025

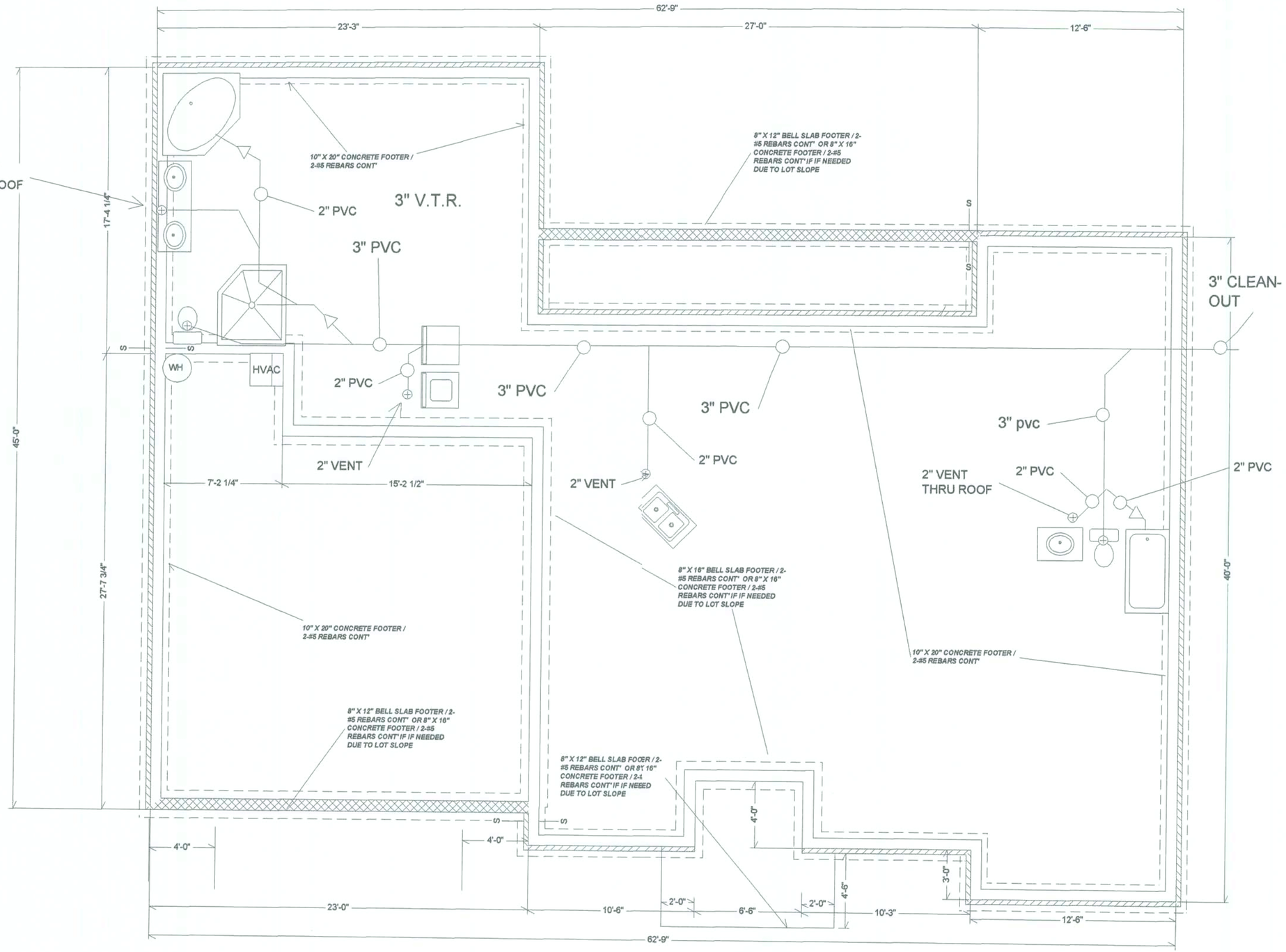
David E Williams



FLOOR PLAN

DONNY WILLIAMS CONSTRUCTION
541 SW AIRPARK GLEN
LAKE CITY, FL 32025

PROJECT
LANCELOT MODEL
STONEHENGE LOT P2-25



FOUNDATION PLAN

DONNY WILLIAMS CONSTRUCTION
541 SW AIRPARK GLEN
LAKE CITY, FL 32025

Donald E Williams

PROJECT
LANCELOT MODEL
STONEHENGE LOT P2-25

PAGE
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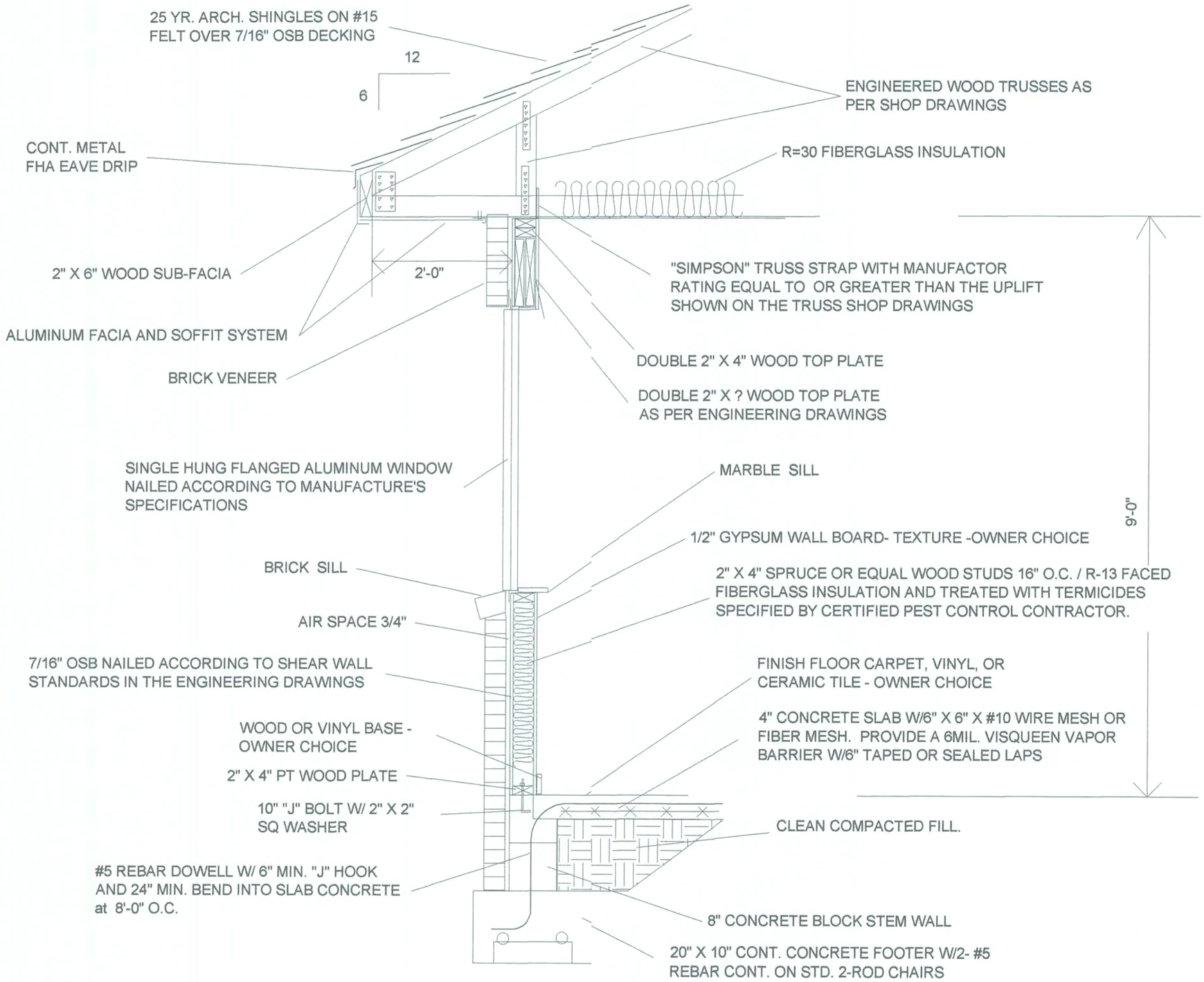

TYPICAL WALL SECTION

SCALE 3/4" = 1"-0"

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541 SW AIRPARK GLEN
LAKE CITY, FL 32025

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PROJECT
LANCELOT MODEL
STONEHENGE LOT P2-25

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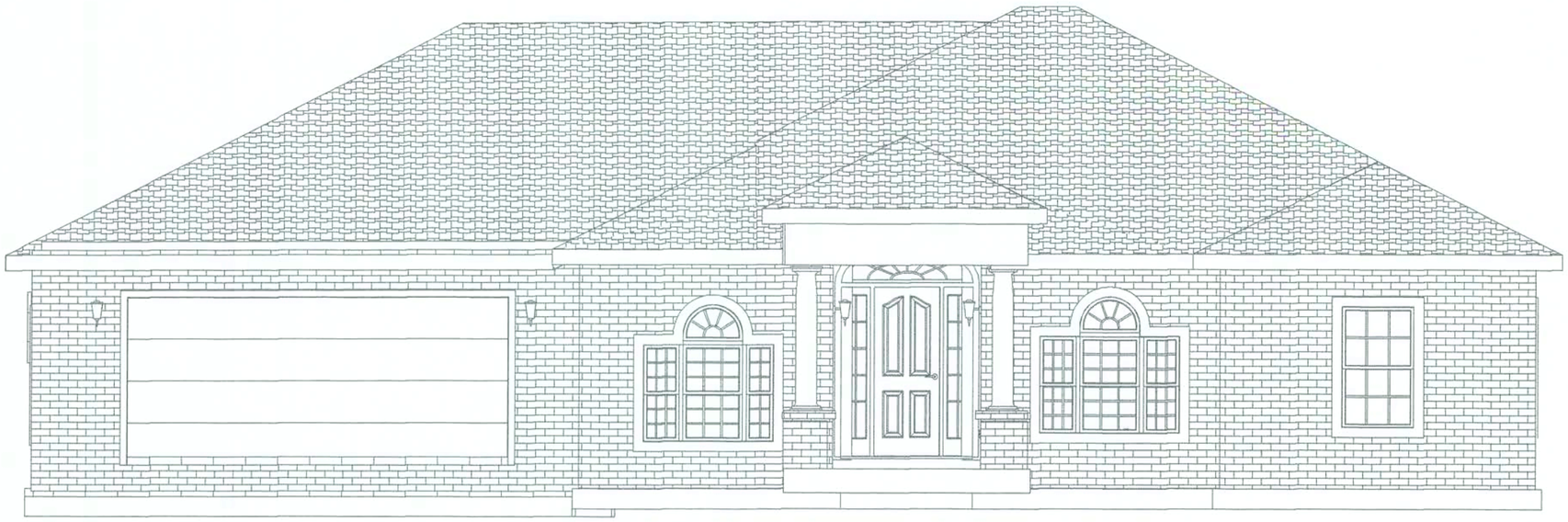
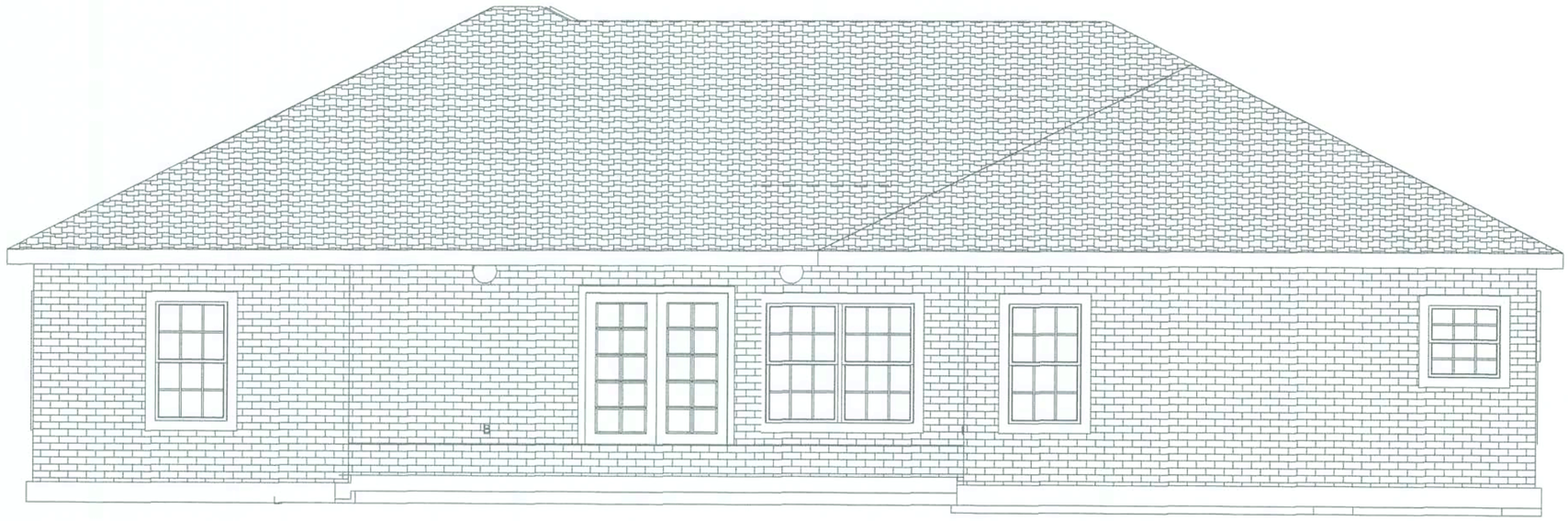


SCALE 3/16"= 1'-0"

FRONT ELEVATION



SCALE 3/16"=1'-0"

REAR ELEVATION

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LAKE CITY, FL 32025

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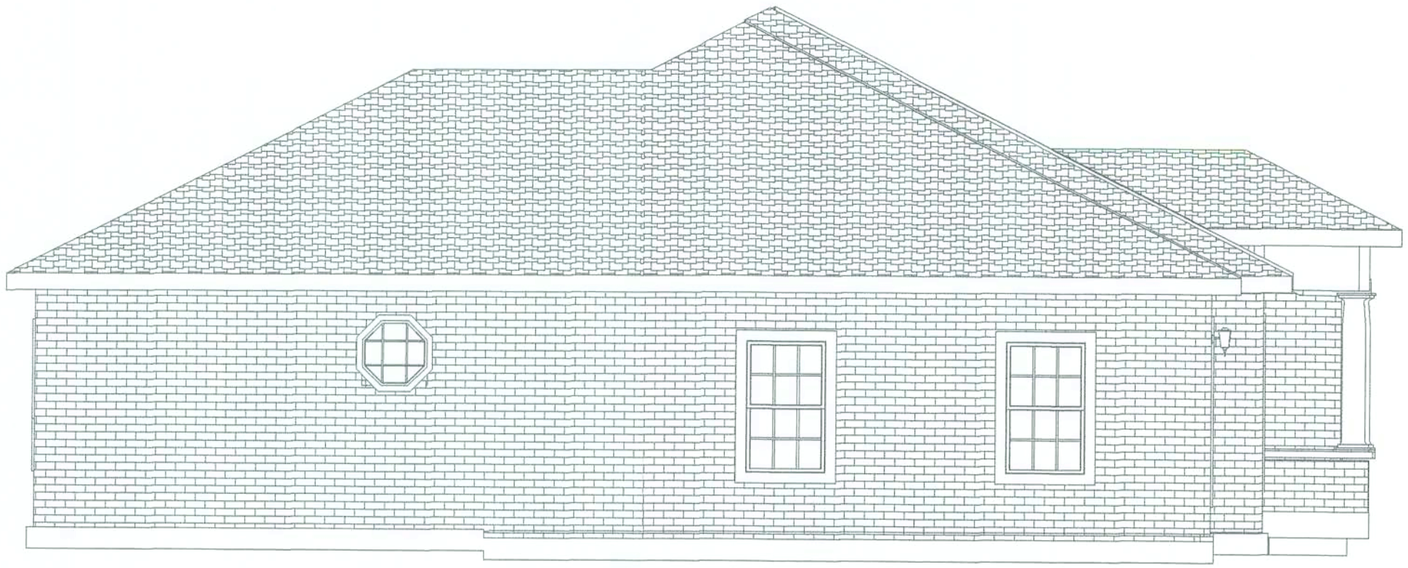
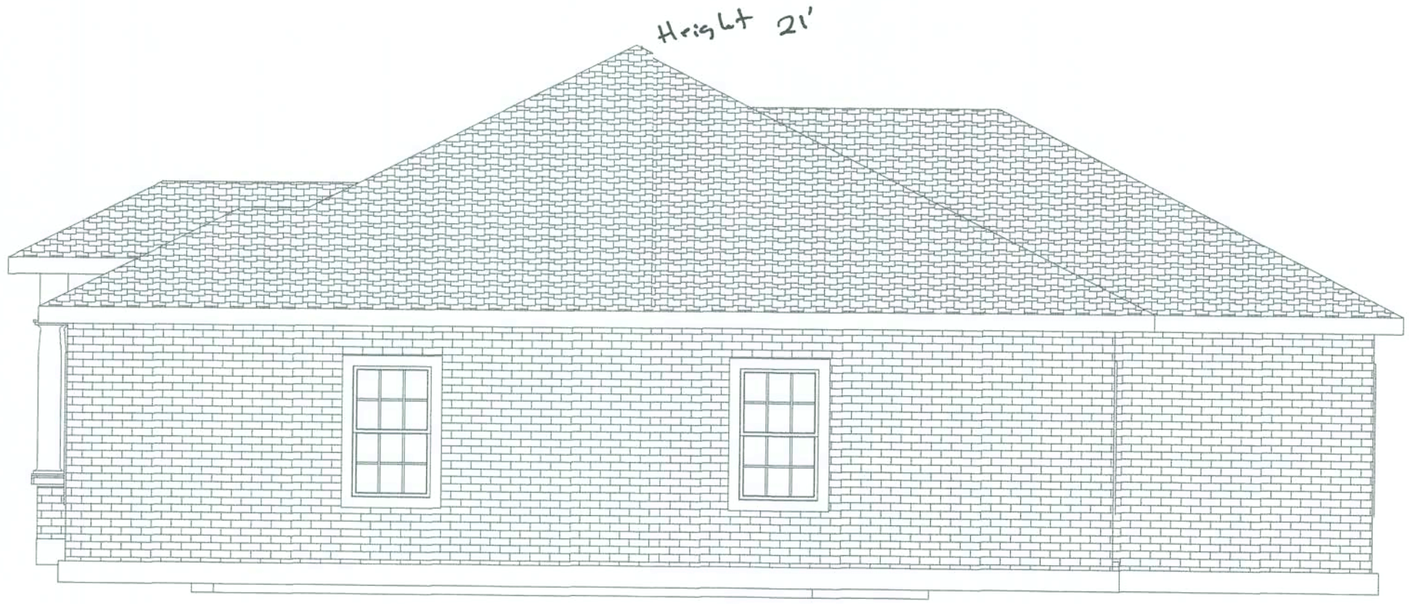
PROJECT
LANCELOT MODEL
STONEHENGE LOT P2-25



SCALE3/16" = 1'-0"

RIGHT ELEVATION



SCALE 3/16" = 1'-0"

LEFT ELEVATION

DONNY WILLIAMS CONSTRUCTION
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LAKE CITY, FL 32025

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PROJECT
LANCELOT MODEL
STONEHENGE LOT P2-25

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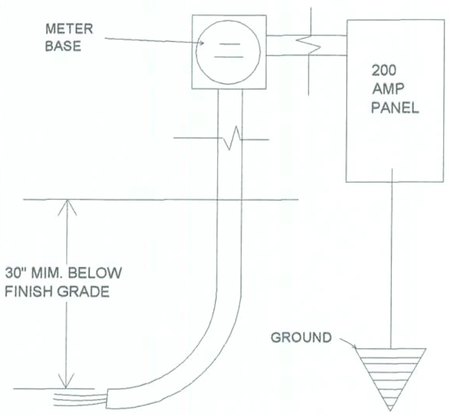
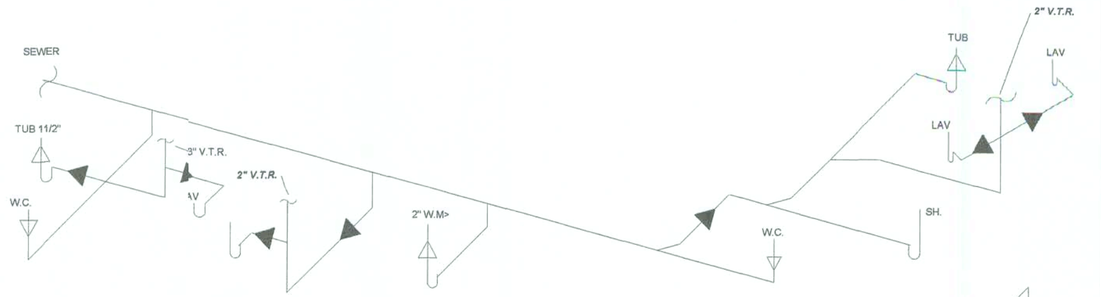
6 OF 11



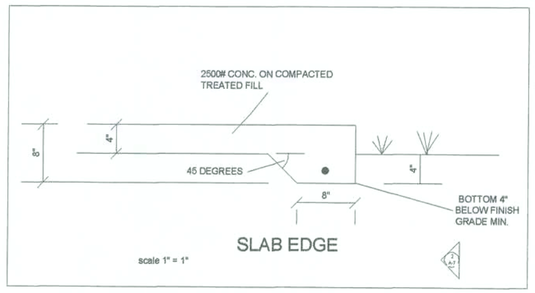
ELECTRICAL RISER DIAGRAM



NO SCALE

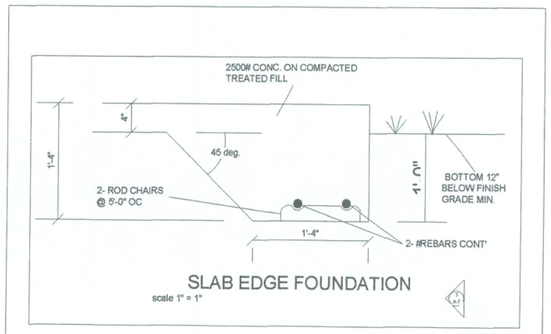
2
A-7

PLUMBING RISER DIAGRAM



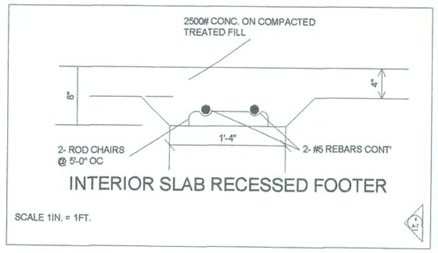
SLAB EDGE

scale 1" = 1"



SLAB EDGE FOUNDATION

scale 1" = 1"



INTERIOR SLAB RECESSED FOOTER

SCALE 1IN. = 1FT.

DONNY WILLIAMS CONSTRUCTION
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PROJECT
LANCELOT MODEL
STONEHENGE LOT P2-25

PAGE
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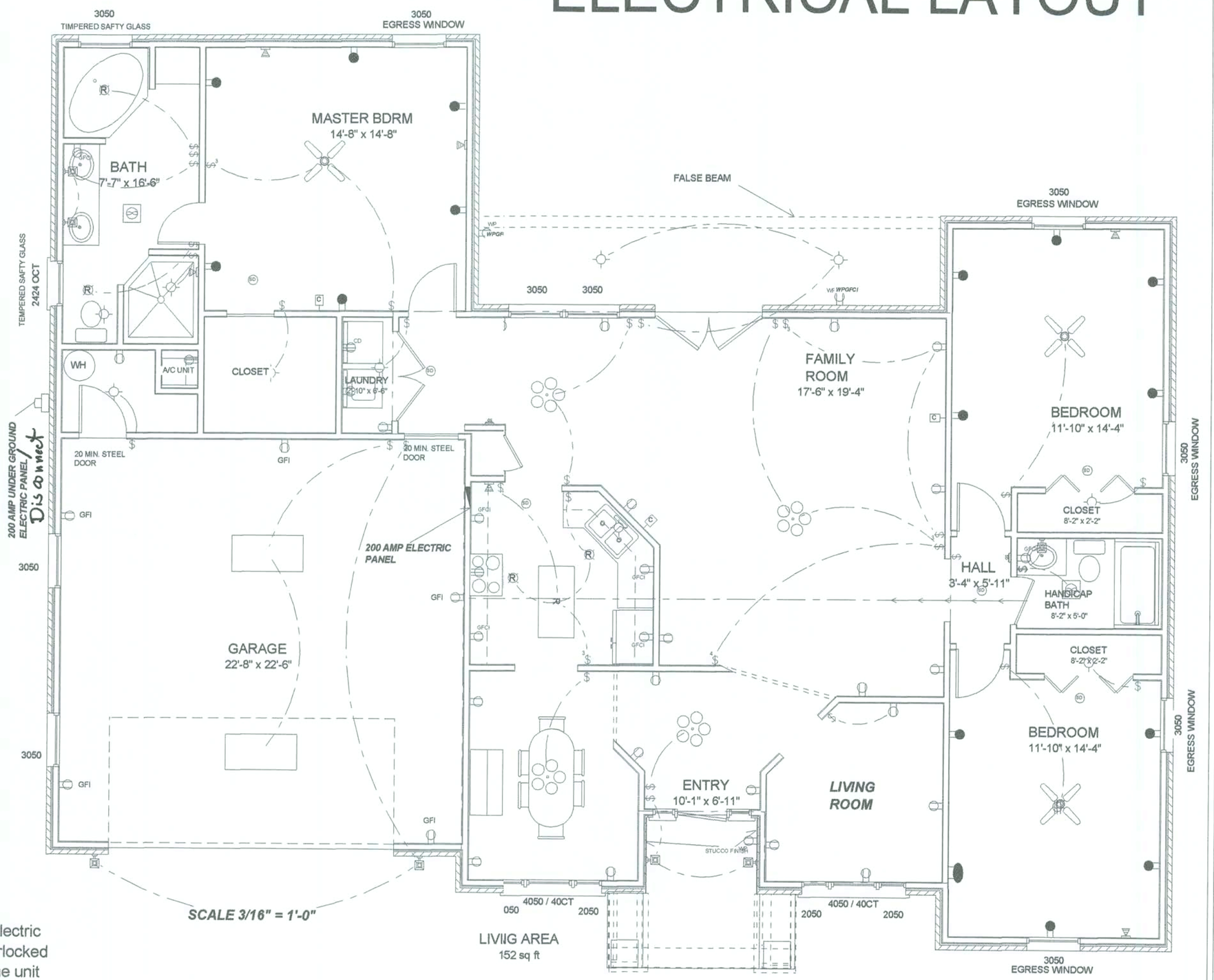
ELECTRICAL LAYOUT

SYMBOL	DESCRIPTION
S	SWITCH
S 3	3 WAY SWITCH
S 4	4 WAY SWITCH
	110 RECEPTICLE
	ARC FAULT OUTLET
GFCI	GROUND FAULT OUTLET
WPGFCI	WATERPROOF GFIC
	220 OUTLET
C TV	TV OUTLET
CD	DRYER OUTLET
SD SD	SMOKE DETECTOR
	TELEPHONE OUTLET
	CHANDELIER
	CEILING FAN
	EXHAUST FAN
	OVERHEAD LIGHT
R	RECESSED OUTLET

NOTES

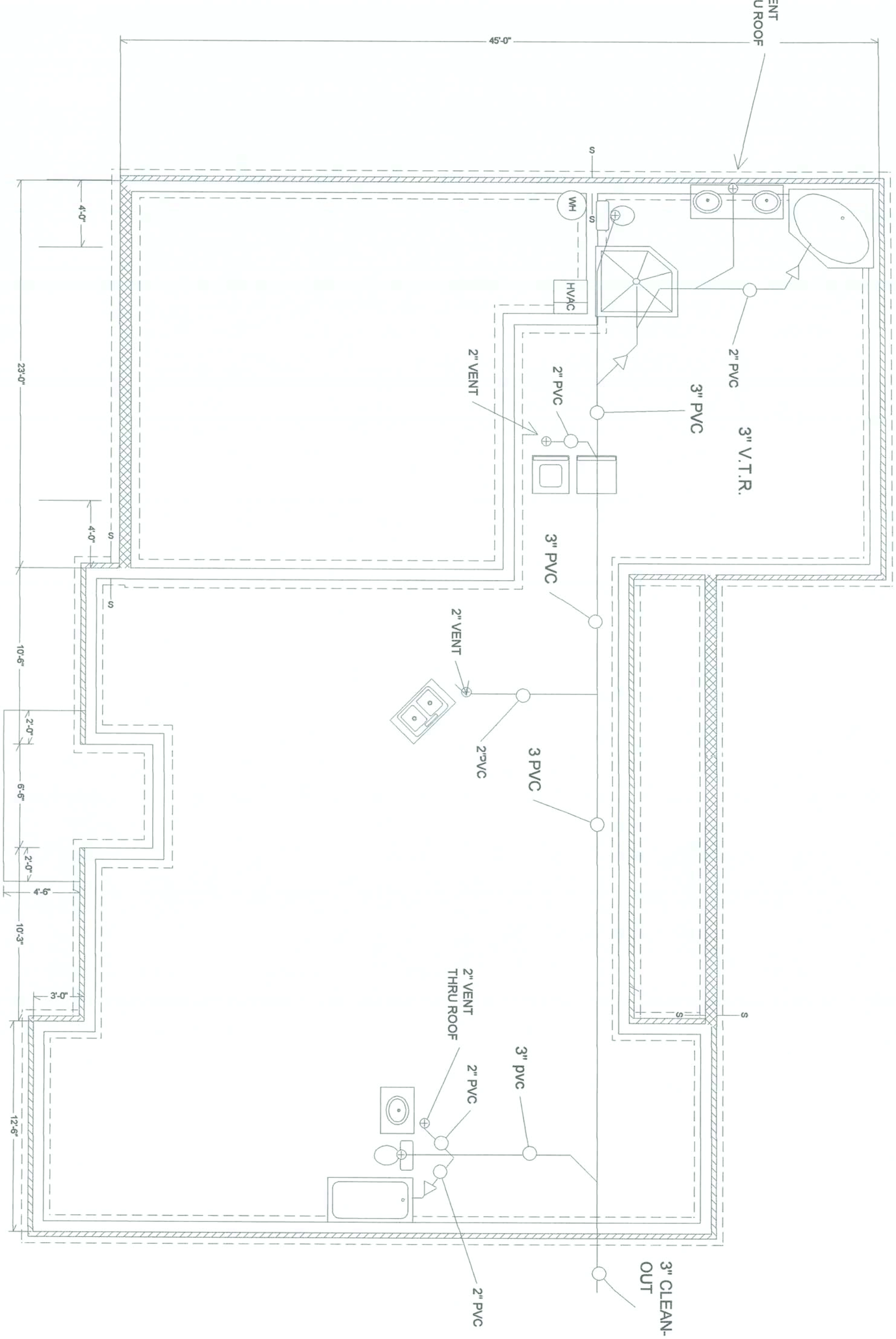
NOTE: All smoke detectors shall be photoelectric
20 V with battery backup and shall be interlocked
o the alarm will sound on all units when one unit
s triggered.



DONNY WILLIAMS CONSTRUCTION
541 SW AIRPARK GLEN
LAKE CITY, FL 32025

PROJECT
LANCELOT MODEL
STONEHENGE LOT P2-25

PLUMBING LAYOUT



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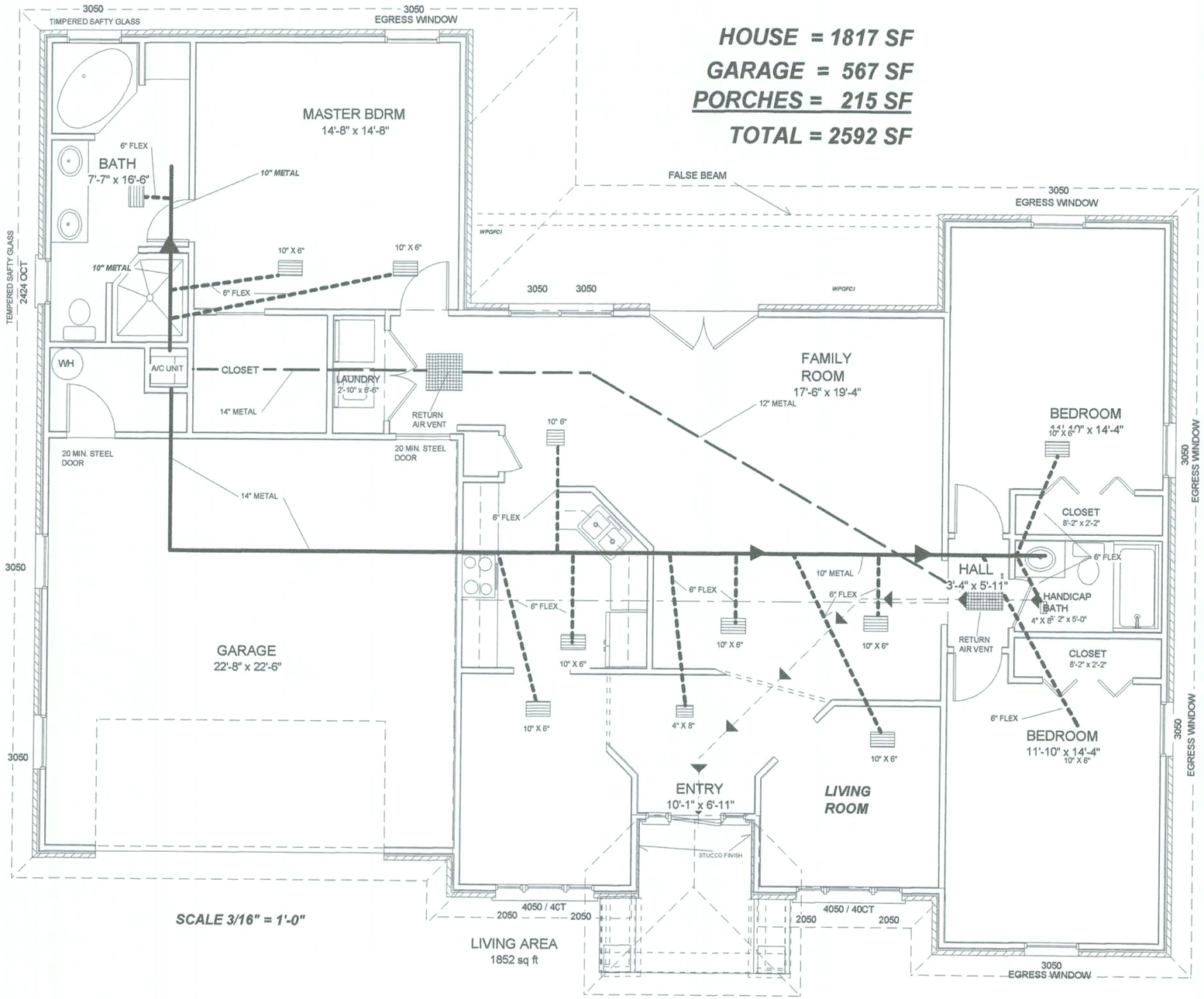
	STONEHENGE LOT P2-25	LAKE CITY, FL 32025

David E Williams



HVAC LAYOUT

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541 SW AIRPARK GLEN
LAKE CITY, FL 32025

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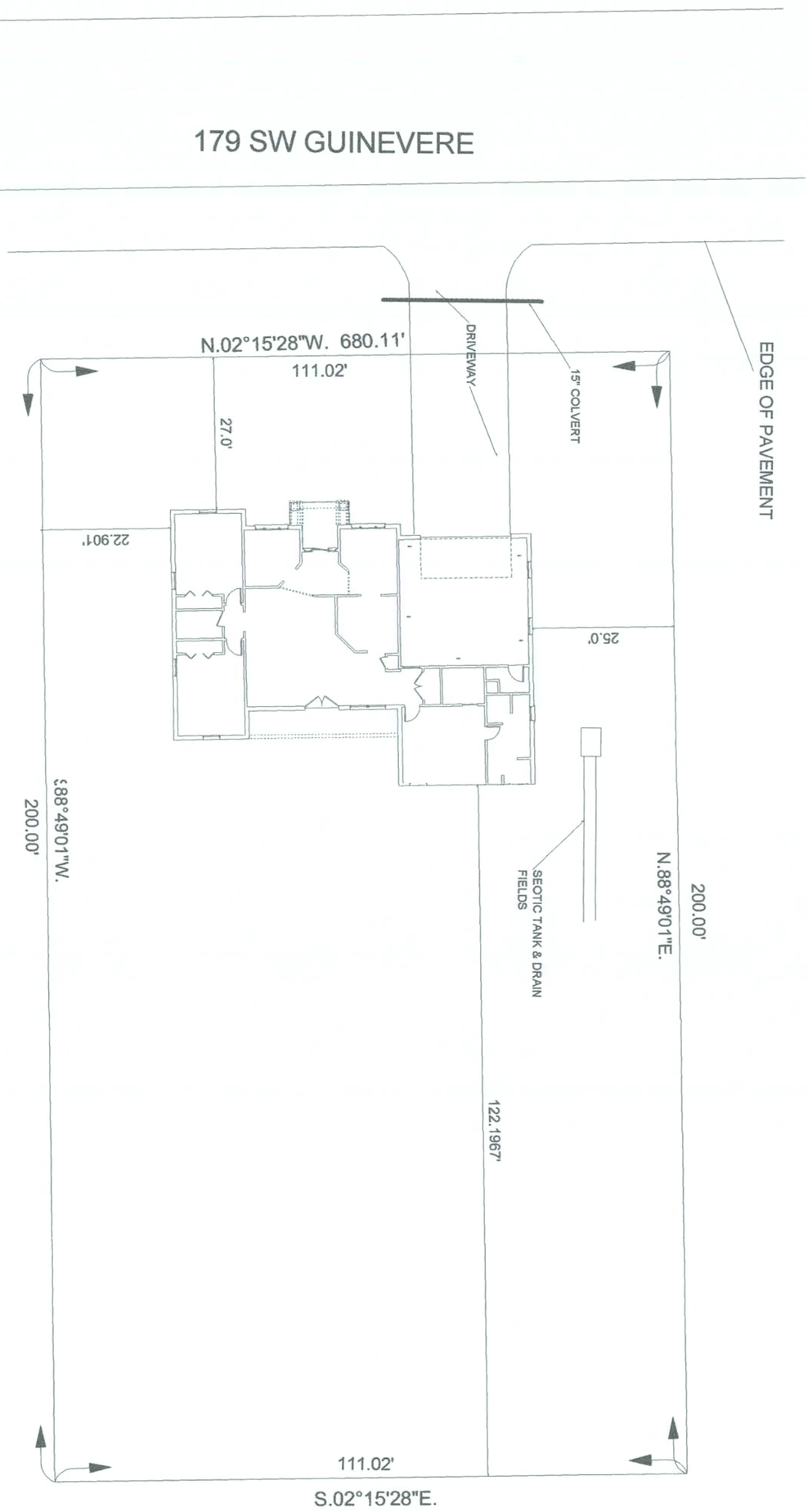
PROJECT
LANCELOT MODEL
STONEHENGE LOT P2-25

SITE PLAN

LOT 25 PHASE 2 STONEHENGE SUBDIVISION

0.51 Acres



PAGE	PROJECT	DONNY WILLIAMS CONSTRUCTION
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FLORIDA BUILDING CODE

Compliance Summary

TYPE OF CONSTRUCTION

Roof: Hip/Gable Construction, Wood Trusses @ 24" O
Walls: 2x4 Wood Studs @ 16" O.C.
Floor: 4" Thk. Concrete Slab W/ Fibermesh Concrete Additive
Foundation: Continuous Footer/Stem Wall

ROOF DECKING

Material: 1/2" CD Plywood or 7/16" O.S.B.
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing
Fasteners: 8d Common Nails per schedule

SHEARWALLS

Material: 7/16" O.S.B. "WindSTORM"
Sheet Size: 48"x97" Sheets Placed Vertical
Fasteners: 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior
Dragstrut: Double Top Plate W/12d Nails @ 16" O.C.
Wall Studs: 2x4 Hem Fir Studs or equal @ 16" O.C.

HURRICANE UPLIFT CONNECTORS

Truss Anchors: SIMPSON H2.5A @ Ea. Truss End (Typ. U.O.N.)
Wall Tension: Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. Top & Bot.
Anchor Bolts: 1/2" A307 Bolts @ 48" O.C. - 1st Bolt 6" from corner
Corner Hold-down Device: (1) 1/2" all thread rod epoxed 8" into slab @ each corner
Porch Column Base Connector:Simpson ABU44/ABU66 @ each column
Porch Column to Beam Connector: Simpson EPC44/PC44 @ each column

FOOTINGS AND FOUNDATIONS

Footing: 20"x10" Cont. W/2-#5 Bars Cont. Wire Chairs Transverse @ 72" O.C.
Stemwall: 8" C.M.U. W/1-#5 Vertical Dowel @ 96" O.C.

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2004 EDITION.

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 1609.2A (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 2004) DESIGN WIND PRESSURES:	OP'NGS: + 21.8 / - 29.1 PSF EAVES: - 68.3 PSF ROOF: + 19.9 / - 25.5 PSF

WOOD STRUCTURAL NOTES

1. TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES 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 CONNECTIONS.

TYPICAL FRAMING ANCHOR SCHEDULE

APPLICATION	MANUF'R/MODEL	CAP.
TRUSS TO WALL:	SEMCO H2.5A, W/ 6 - 8d NAILS	960#
GIRDER TRUS TO POST/HEADER:	SIMPSON LGT, W/ 28 - 16d NAILS	1785#
HEADER TO RNG STUD(S):	SIMPSON ST22	1370#
PLATE TO STD:	SIMPSON SP4	1065#
STUD TO SILL	SIMPSON SP1	585#
PORCH BEAM TO POST:	SIMPSON PC44/EPC44	1700#
PORCH POST TO FND.:	SIMPSON ABU44	2200#
MISC. JOINTS	SIMPSON A34	315#/240#

NOTE:
ANY SIMPSON ANCHOR MAY BE USED WHICH IS OF A DESIGN AND CAPACITY RATING CAPABLE OF TRANSFERING THE DESIGNED UPLIFT AS SHOWN ON THE TRUSS ENGINEERING DRAWINGS FROM THE SLAB TO THE TRUSSES.

NOTE:
ALL ANCHOR SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTUER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.

NOTE:
REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/ JOINT REINFRCEMENT AND FASTENERS.

NOTE:
ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON A34 FRAMING ANCHORS, TYPICAL T.O.

NOTE:
"SEMCO" PRODUCT APPROVAL:
MIAMI/DADE COUNTY REPORT #95-0818.15

NOTE:
"SIMPSON" PRODUCT APPROVALS:
MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04
SBCC1 NER-43, NER-393

NOTE!
THE DESIGN WIND SPEED FOR THIS PROJECT IS 110 MPH PER FBC 1606 AND LOCAL URISDICTION REQUIREMENTS

NOTE!
ADDED FILL SHALL BE APPLIED IN 8" LIFTS - EA. LIFT SHALL BE COMPACTED TO 95% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.

CONCRETE / MASONRY / METALS GENERAL NOTES:

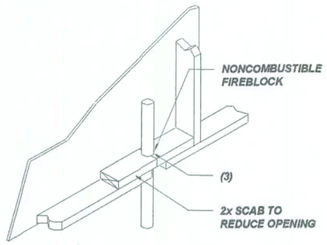
1. DESIGN SOIL BEARING PRESSURE: 1000 PSF.
2. EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMETATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFID SHALL BE PREFORMED TO DETERMINE THE SUITABILITY OF THE SUBGRADE TO SUPPORT THE DESIGN LOADS.
3. CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS. BOTH SUB-SOIL AND FILL COMPACTION SHLL BE NOT LESS THAN 95% 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. REINFOCING STEEL SHALL BE GRADE 40 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
5. WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YEILD STRESS = 85 KSI.
6. CONCRETE SHALL BE STANDARD MIX F'c = 2500 PSI FOR ALL FTGS, SLABS, OLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F'c = 3000 PSI STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
7. 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. STRUCTRAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGH, 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.

SHEET: SD 1 OF 6
REVISION:
DRAWN: rpg
DATE: 20AUG02K3
COMM: 2K343

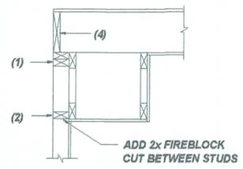
STONEHENGE LOT P2-25
BY: DONNY WILLIAMS CONSTRUCTION
COLUMBIA COUNTY, FLORIDA

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1159 NW Baya Road
Lake City, FL 32055
904/755-9021

17 MAR 2006
AR0007005



PENETRATIONS



SOFFIT/DROPPED CLG.

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

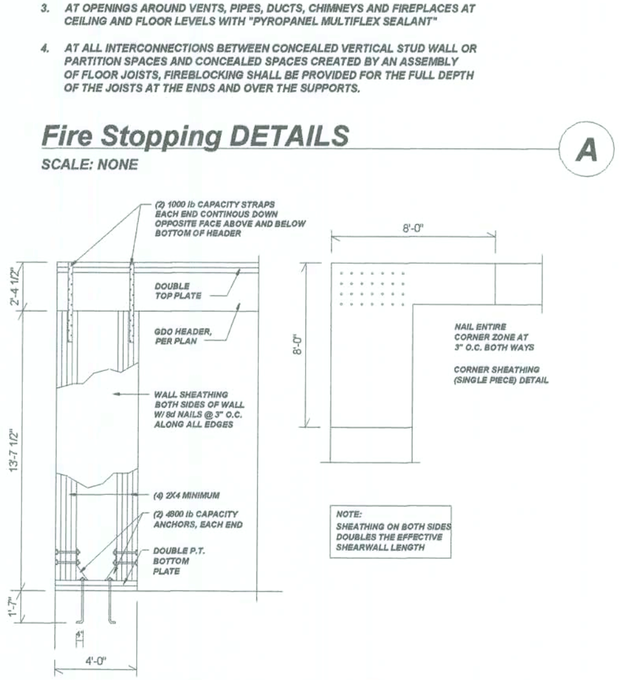
Fire Stopping DETAILS

A

SCALE: NONE

HEADER SPANS FOR EXTERIOR BEARING WALLS

HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT) 20' SPAN	20' # JACKS	28' SPAN	28' # JACKS	36' SPAN	36' # JACKS
ROOF, CEILING	2-2x4	3'-6"	1	3'-2"	1	2'-10"	1
	2-2x6	5'-5"	1	4'-8"	1	4'-2"	1
	2-2x8	6'-10"	1	5'-11"	2	5'-4"	1
	2-2x10	8'-5"	2	7'-3"	2	6'-6"	2
	2-2x12	9'-9"	2	8'-5"	2	7'-6"	2
	3-2x8	8'-4"	1	7'-5"	1	6'-8"	1
	3-2x10	10'-6"	1	9'-1"	2	8'-2"	1
	3-2x12	12'-2"	2	10'-7"	2	9'-5"	2
	4-2x8	9'-2"	1	8'-4"	1	9'-2"	1
	4-2x10	11'-8"	1	10'-6"	1	9'-5"	1
	4-2x12	14'-1"	1	12'-2"	2	10'-11"	1

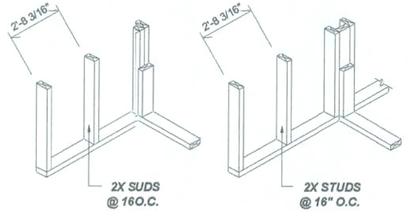


Garage End Wall DETAILS

B

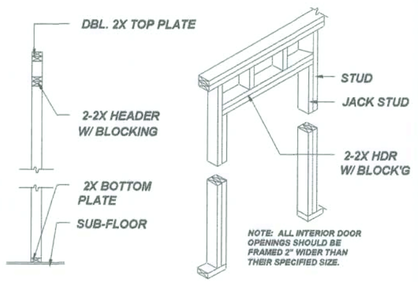
SCALE: NONE

NOTE!
1/2" ALL THREADED ROD EPOXED 8" INTO CONCRETE & LOCATED WITHIN 6" OF COLUMN MAY BE USED AS AN ALTERNATE. TRUSS MUST BE ATTACHED TO THE WALL WITH SUITABLE FASTNERS WHICH MEET THE UPLIFT AS SHOWN ON THE TRUSS ENGINEERING

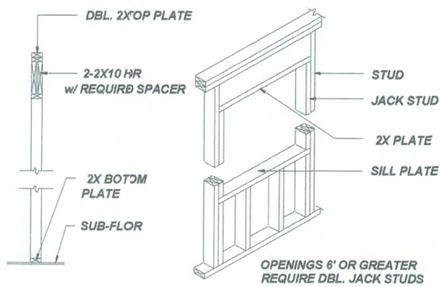


WALL CORIER

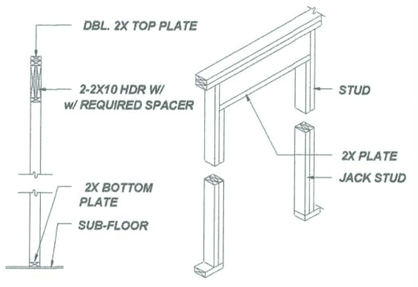
WALL INTERSECTION



NON-BEARING WALL HEADER



TYPICAL WINIOW HEADER



BEARING WALL HEADER

Wall Framing/Header DETAILS

C

SCALE: NONE

SHEET: SD 2 of 6

REVISION:

DRAWN: RBB

DATE: 20AUG2K3

COMM: 2K343

STONEHENGE LOT P2-25

BY: DONNY WILLIAMS CONSTRUCTION

COLUMBIA COUNTY, FLORIDA

NICHOLAS PAUL GEISLER
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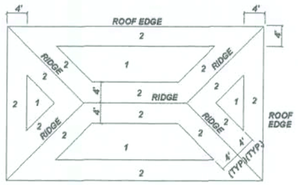
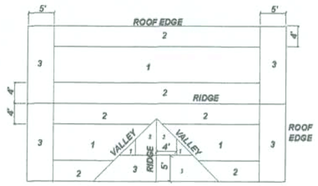
P.A. 0026376
N.C.A.R.B. Certified
155 NW Brian Road
Lake City, FL 32055
(904)755-3621

17 MAR 2006
AR0007005

ROOF SHEATHING FASTENINGS			
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 ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD



ROOF SHEATHING NAILING ZONES (HIP ROOF)

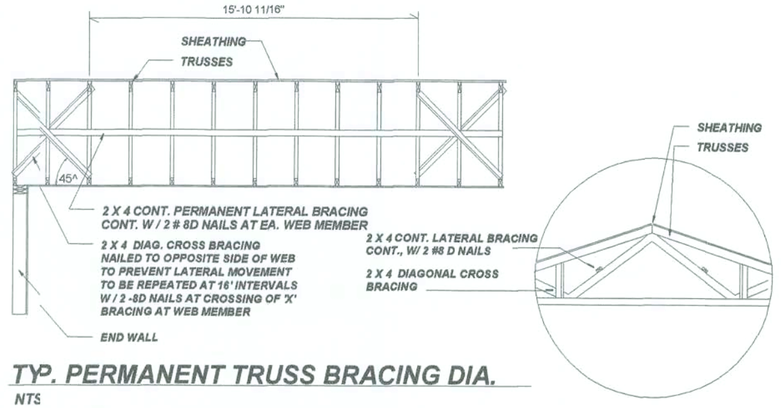


ROOF SHEATHING NAILING ZONES (GABLE ROOF)

Roof Nail Pattern DET.

SCALE: NONE

A



TYP. PERMANENT TRUSS BRACING DIA.

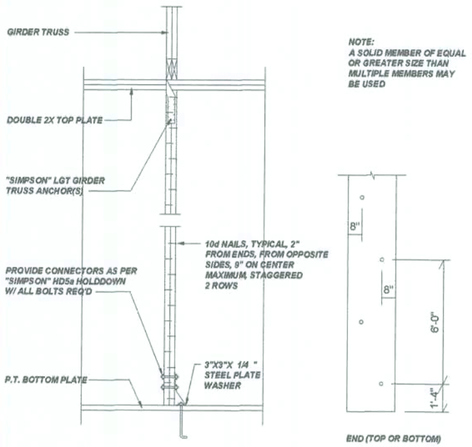
NTS

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

Truss Bracing DETAILS

SCALE: NONE

C

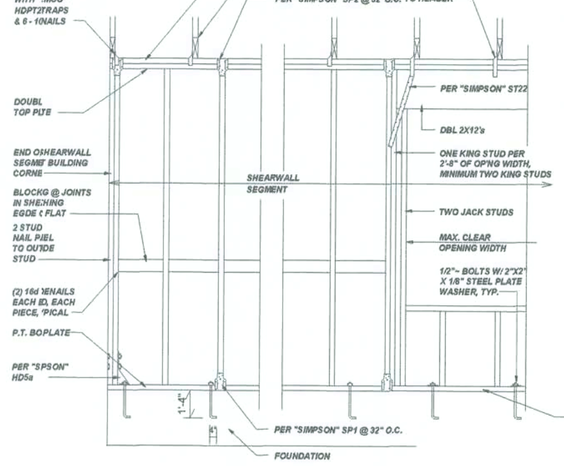


Girder Truss Column DET.

SCALE: NONE

B

NOTE!
1/2" ALL THREADED ROD EPOXED 8" INTO CONCRETE & LOCATED WITHIN 6" OF COLUMN MAY BE USED AS AN ALTERNATE. TRUSS MUST BE ATTACHED TO THE WALL WITH SUITABLE FASTNERS WHICH MEET THE UPLIFT AS SHOWN ON THE TRUSS ENGINEERING



SHEARWALL NOTES:

1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-97 SBBCI 305.4.3.
2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16 " O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENING.S
3. 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.
5. 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

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.

Alternate Shear Wall DETAIL

SCAE: NONE

D

NOTE
4" SMOTH STEELED TROWLLED CONC. SLAB, W/ FIERMESH REINFORCING, OVER 6 MIL PLAS'C SHEETING, ON CLEAN, WELL COMPACTED SANDILL, TERMITE TREATED.
LAP EGES OF 6 MIL VAPOR BARRIER MIN. 6" - SEAL LL JOINTS, TEARS AND PIPING PENETRATIONS WITH UCT TAPE

NOTE!
CONSTRUCT EXTERIOR WALLS W/ 2 TOP PLATES & 1 SILL PLATE, 2X4 STUDS @ 16" O.C., & "SIMPSON" SP2/SP1 STUD/PLATE CONNECTORS @ 32" O.C. - SHEATH WALL W/ 7/16" OSB, APPLIED W/ 8d COMMON NAILS @ 4" O.C. ALONG EDGES & 8" O.C. ALONG INTERMEDIATE SUPPORTS

SHEET: SD 3 of 6
REVISION:
DRAWN: rgs
DATE: 20AUG2K3
COMM: 2K343

STONEHENGE LOT P2-25
BY: DONNY WILLIAMS CONSTRUCTION
COLUMBIA COUNTY, FLORIDA

NICHOLAS PAUL GEISLER
ARCHITECT
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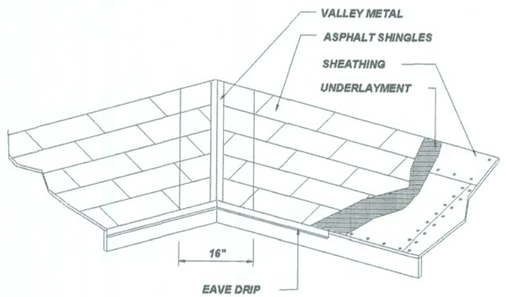
AR0007005

NOTE!
SHEATH ROOF W/ 1/2" CDX PLYWOOD PLACED W/ LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES, SECURE TO FRAMING W/ 8d NAILS - AS PER DETAIL ON SHEET A.7

NOTE!
THE DESIGN WIND SPEED FOR THIS PROJECT IS 110 MPH PER FBC 1606 AND LOCAL JURISDICTION REQUIREMENTS

NOTE!
ALL PENETRATIONS OF THE TOP PLATE OF ALL LOAD BEARING WALLS SHALL BE SEALED WITH FIRE RETARDANT CAULKING, INCLUDING WIRING, PLUMBING OR OTHER SUCH PENETRATIONS. WALLS OVER 8'-0" TALL SHALL HAVE CONTINUOUS BLOCKING TO LIMIT CAVITY HEIGHT TO 8'-0". PENETRATIONS THROUGH SUCH BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES, NOTED ABOVE



VALLEY FLASHING

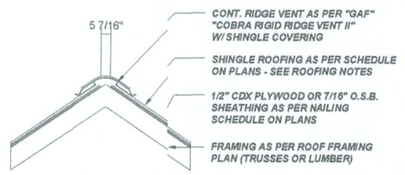
ROOFING METALS for FLASHING/ROOFING
MINIMUM THICKNESS REQUIREMENTS

MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT (OZ.)
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0179	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.027		40 20

Roofing/Flashing DETS.
SCALE: NONE

A

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.
3500 SF	44 LF	900 SQ.IN.



MIAMI/DADE PRODUCT APPROVAL EPORT: #98-0713.05

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

B

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.

UNDERLAYMENT:
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.

ATTACHMENT:
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 STAY IN PLACE.
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 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.

VALLEYS:
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. 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. 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. 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 & COMPLYING WITH ASTM D 1970.

NOTE ! ! !
ROOF SHINGLES 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

SHEET: SD 4 — 4 OF 6
REVISION:
DRAWN: rgs
DATE: 20AUG2K3
COMM#: 2K343

STONEHENGE LOT P2-25
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COLUMBIA COUNTY, FLORIDA

NICHOLAS PAUL GEISLER
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904/755-9021

17 MAR 2006
AR0007005

WINDOW SCHEDULE

MARK	DESCRIPTION	INSTALLATION	MODEL	NOTES
2030	SINGLE HUNG ALUM. SASH W/ INSUL. GLASS	1" ROOFING NAILS - 3 PER FLANGE, MAX. 18" O.C.	SERIES 450	-
3030	SINGLE HUNG ALUM. SASH W/ INSUL. GLASS	1" ROOFING NAILS - 3 PER FLANGE, MAX. 18" O.C.	SERIES 450	-
3050	SINGLE HUNG ALUM. SASH W/ INSUL. GLASS	1" ROOFING NAILS - 4 PER FLANGE, MAX. 18" O.C.	SERIES 450	-
4050	SINGLE HUNG ALUM. SASH W/ INSUL. GLASS	1" ROOFING NAILS - 4 PER FLANGE, MAX. 18" O.C.	SERIES 450	-
2-3050	SINGLE HUNG ALUM. SASH W/ INSUL. GLASS	8 - 1" ROOFING NAILS EA. FLANGE - MAX. 18" O.C.	SERIES 450	-
30 FAN	FIXED ALUM. SASH W/ INSUL. GLASS	6 - 1" ROOFING NAILS	SERIES 450	N1
8068	ALUM. SASH SLIDING GL. DOOR W/ INSUL. GLASS	5 -3/16" TAPCON SILL/HEAD, 4 - 3/16" TAPCON JAMB	SERIES 470	N2

ALL WINDOWS ARE INSULATED AND WEATHERSTRIPPED AS MANUFACTURED BY "MI HOME PRODUCTS, INC."
- OTHER MANUFACTURERS/PRODUCTS SHALL BE CONSIDERED AS EQUAL IF THEIR WIND DESIGN PERFORMANCE MEETS OR EXCEEDS THESE UNITS

NOTE, VERIFY ROUGH OPENING WINDOW REQUIREMENTS PRIOR TO CONSTRUCTION.

N1 - PROVIDE DBL. 2X8 HEADER BETWEEN DBL. WINDOW, BELOW & FAN UNIT

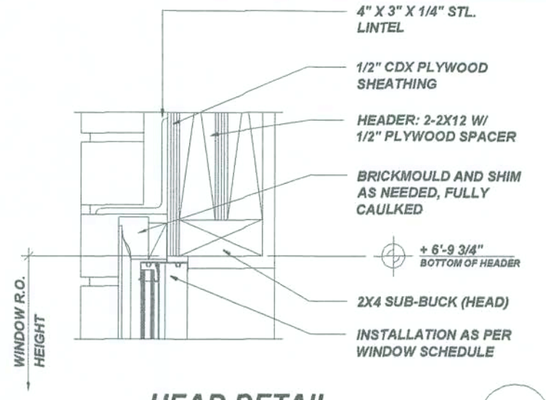
N2 - TESTING AS PER ASTM E1300

NOTE ! ! !
EXTERIOR DOORS SHALL MEET OR EXCEED THE WIND RESISTANCE OF THE FOLLOWING PRODUCT:

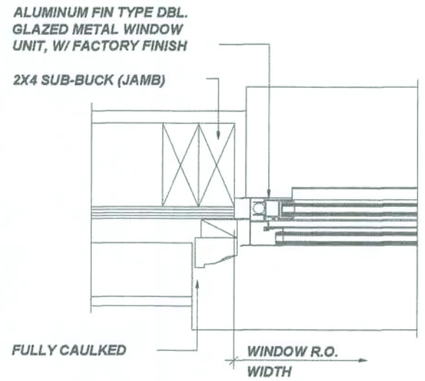
SERIES ENTERGY 6-8 W/E INSWING OPAQUE RESIDENTIAL INSULATED STEEL DOOR W/ STEEL FRAME AS MFG'D BY "PREMDOR ENTRY SYSTEMS"

NOTE ! ! !
WINDOW ASSEMBLIES SHALL MEET OR EXCEED THE WIN. RESISTANCE OF THE FOLLOWING PRODUCTS:

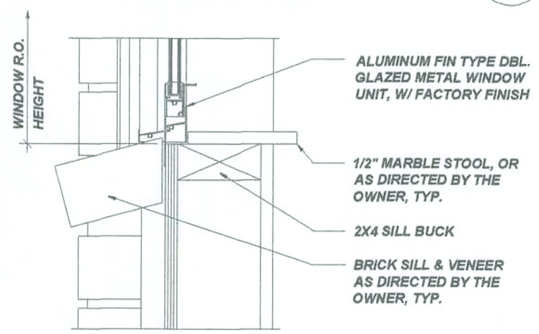
"MI HOME PRODUCTS, INC." SERIES 450/650 ALUMINUM WINDOWS, SINGLE HUNG, 1, 2 & 3 MULLED UNITS, PICTRE WINDOWS & SLIDING GLASS DOORS PER ASTM E 283, ASTM E 330 & ASTM E 547



HEAD DETAIL MTL. SASH — 1



JAMB DETAILS MTL. SASH — 2



SILL DETAIL MTL. SASH — 3

Typ. Window DET'S — A

SCALE: 3" = 1'-0"

SHEET: SD 5 5 OF 6
REVISION:
DRAWN: rpg
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COMM#: 2K343

STONEHENGE LOT P2-25
BY: DONNY WILLIAMS CONSTRUCTION
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17 MAR 2008
AR0007005

ELECTRICAL PLAN NOTES

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

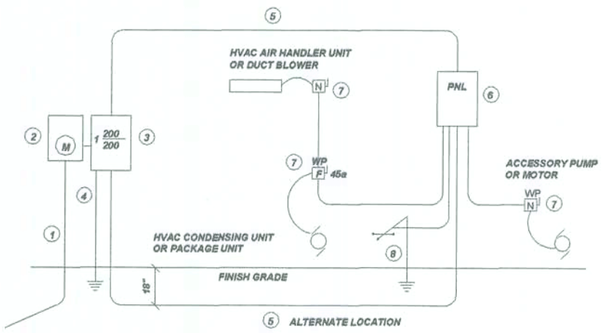
CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.

INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.

ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.

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.

ELECTRICAL CONT'R SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nr., DESCRIPTION & BRKR, SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.



⑤ ALTERNATE LOCATION

(1) Service/Feeder Entrance Conductors: 2\" rigid conduit, min. 18" deep, w/ continuous Ground Bonding Conductor, Service/ Entrance Conductors shall not be spliced except that bolted connections at the Meter, Disconnecting Devices and Panel shall be allowed.

(2) Meter Enclosure, weatherproof, U.L. Listed.

(3) Main Disconnect Switch: fused or Main BRKR, weatherproof, U.L. Listed.

(4) Service entrance Ground: ⅞" ~ iron/steel rod x 8'-0" long and/or concrete encased foundation steel rebar x 20'-0" long. Grounding Conductor shall be bonded to each piece of Service/ Entrance Equipment, and shall be sized per Item #5, below.

(5) 200 AMPERE SERVICE: 3-#2/0-USE-Cu, 1-#4-Cu-GND, 2" Conduit.

(6) House Panel (PNL), U.L. Lised, sized per schedule.

(7) Equipment Disconnect Switch: non-fused, in weatherproof enclosure, size according to Panel Schedule loads.

(8) Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.

NOTE!
THE MINIMUM AIC RATING FOR PANEL BOARDS, BRKRS AND DISCONNECT SWITCHES SHALL BE 22,000 AIC.

ELECTRICAL RISER DIAGRAM: 200A

SCALE: NONE

Electrical SYMBOLS

- SPST WALL SWITCH
- DPDT WALL SWITCH (3-WA'
- DUPLEX WALL RECEPTACL
- DUPLEX WALL RECPT., BELW COUNTER
- 240V OUTLET
- GFI GND FAULT INTERRUPTER IPLEX RECEPT.
- WP GFI WEATHER PROOF GFI DUPIX RECEPT.
- DUPLEX WALL RECEPTACL \ SWITCHED
- MOTOR
- PNL ELECTRICAL PANEL
- E.F. EXHAUST FAN
- DBL. LAMP INC. FLOOD LIGI
- CEILING FAN, W/ INC. LIGHTXTURE
- INC. LIGHT FIXTURE
- SD SMOKE DETECTOR, 120V
- 4 TUBE FLU. PRISMATIC WRP SURFACE FIXTURE
- CHIME
- MOMENTARY PUSHBUTTONWITCH, LIGHTED
- SWITCH/FIXTURE WIRING
- CONTROL WIRE - LOW VOLTGE
- NF NON-FUSED DISC. SWITCH
- TELEPHONE
- TV TELEVISION OUTLET
- T HVAC THERMOSTAT, @ 60" !F

ELECTRICAL COMPUTATIONS

General Lighting/Receptacles @ 3w/sf		
2407.0 sf x 3w =	7221.0w	
Washer Circuit	1500.0w	
Dishwasher Circuit	1500.0w	
Sm. Appliance Circuits (3 @ 1500w)	4500.0w	
Sub-Total	14721.0w	
1st 3KW @ 100%		3000.0w
Bal. of KW @ 35%		4102.4w
Fixed Appliances:		
Refrigerator	1200.0w	
Clg. Fans (3 @ 500w)	1500.0w	
Garage Door Opener	1200.0w	
Hanger Door Opener	3600.0w	
Water Well Pump	1200.0w	
Pool Pump (future)	1200.0w	
EWH	4500.0w	
Spares (8 @ 400w)	3200.0w	
Sub-Total	17600.0w	
Load @ 75% D.F.		13200.0w
100% Demand Factor Loads:		
Dryer		5000.0w
Range		8000.0w
HVAC System (10.0kw Strip Heat)		10000.0w
Total Demand Load:		43302.4w

FEEDER SIZE: 43302.4w / 240v = 180.43 amperes
USE: 3 #2/0 THW w/ 1 #1 Cu GND / 2\" C.

PANEL SCHEDULE

PANEL "L": 200A - MLO - 120/240V - 1~ - 4 WIRE
40 SLOT - FLUSH MOUNT

Cir. Nr.	Location	Trip Poles	Wire Size	Load
1-11	Lighting/Recept.	15A/1P	14NM	7221W
12	Dishwasher	"	"	1500W
13-15	Sm. Kit. Appliances	20A/1P	12NM	4500W
14-16	Ceiling Fans	15A/1P	14NM	1500W
17	Gar. Door Opener	30A/1P	10NM	1200W
18	Refrigerator	15A/1P	14NM	1200W
19	Spare	-	-	400W
20,22	EWH	30A/2P	10NM	4500W
21,23	Range	50A/2P	6NM	8000W
24,26	Water Well	20A/2P	12NM	1200W
25,27	Dryer	30A/2P	10NM	5000W
28,30	HVAC System	60A/2P	4NM	10000.0W
29,31	Hanger Door Opener	45A/2P	8NM	3600W
32,34	Fut. Pool Pump	20A/2P	12NM	1200W
33	Spare	-	-	400W
35-40	Spare	-	-	2400W

TOTAL CONNECTED LOAD: 53821W

SHEET: SD 6 of 6
REVISION:
DRAWN: rgb
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