

OFFICE COPY

PAGE

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PROJECT

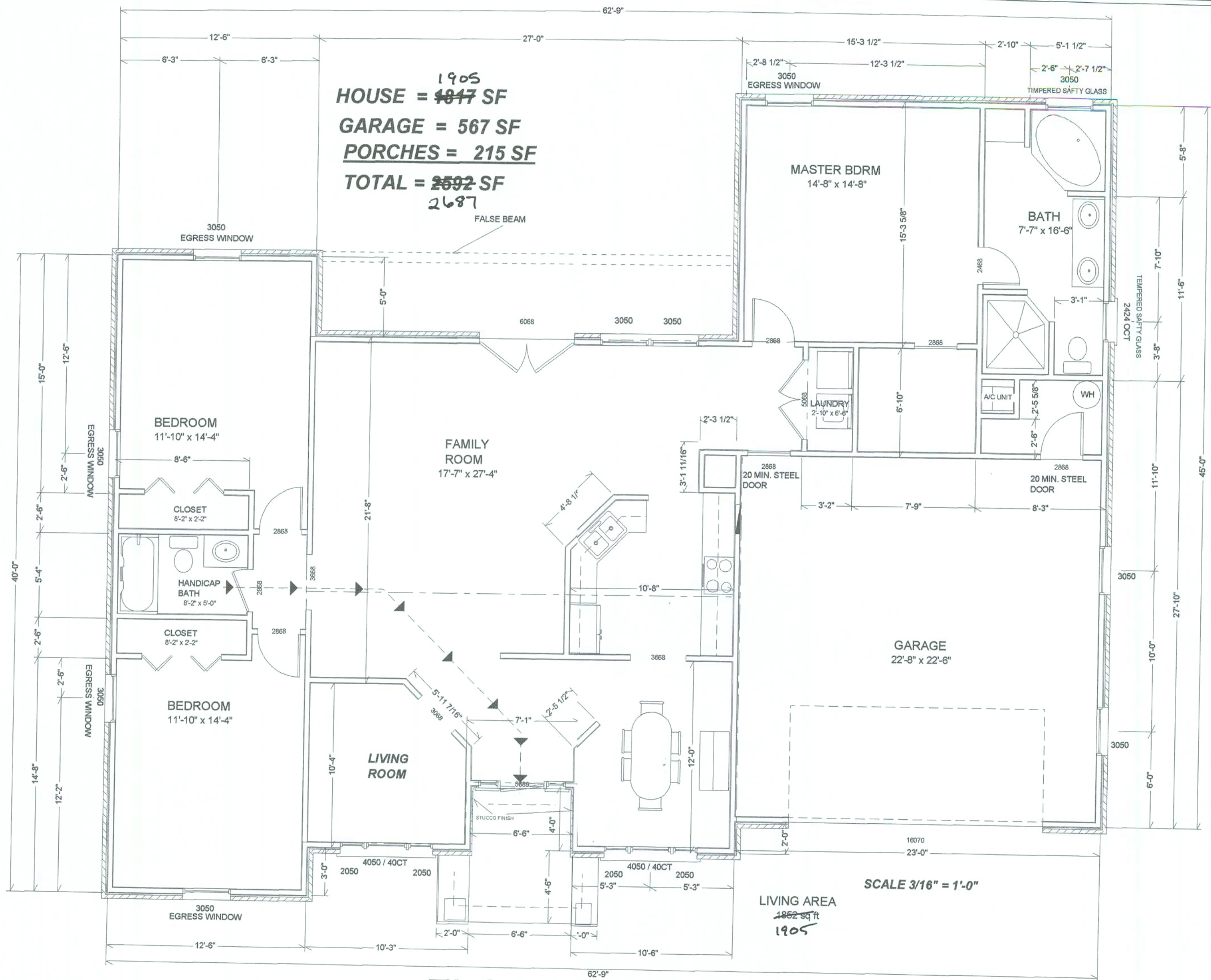
LANCELOT MODEL

STONEHENGE LOT P2-22

DONNY WILLIAMS CONSTRUCTION
541 SW AIRPARK GLEN

LAKE CITY, FL 32025

Donny Williams

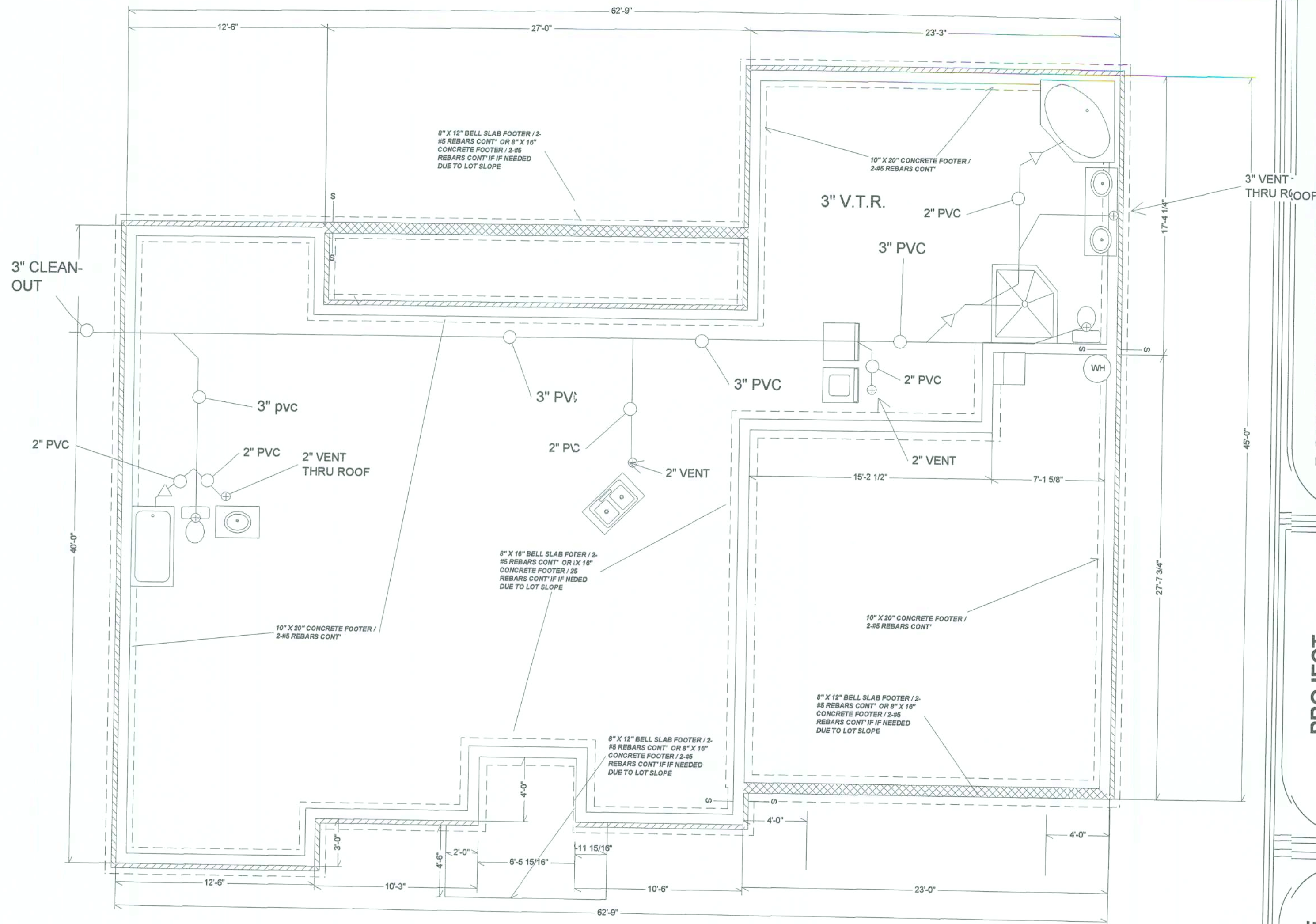


FLOOR PLAN

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

PROJECT
LANCELOT MODEL
STONEHENGE LOT P2-22

Donny Williams Construction



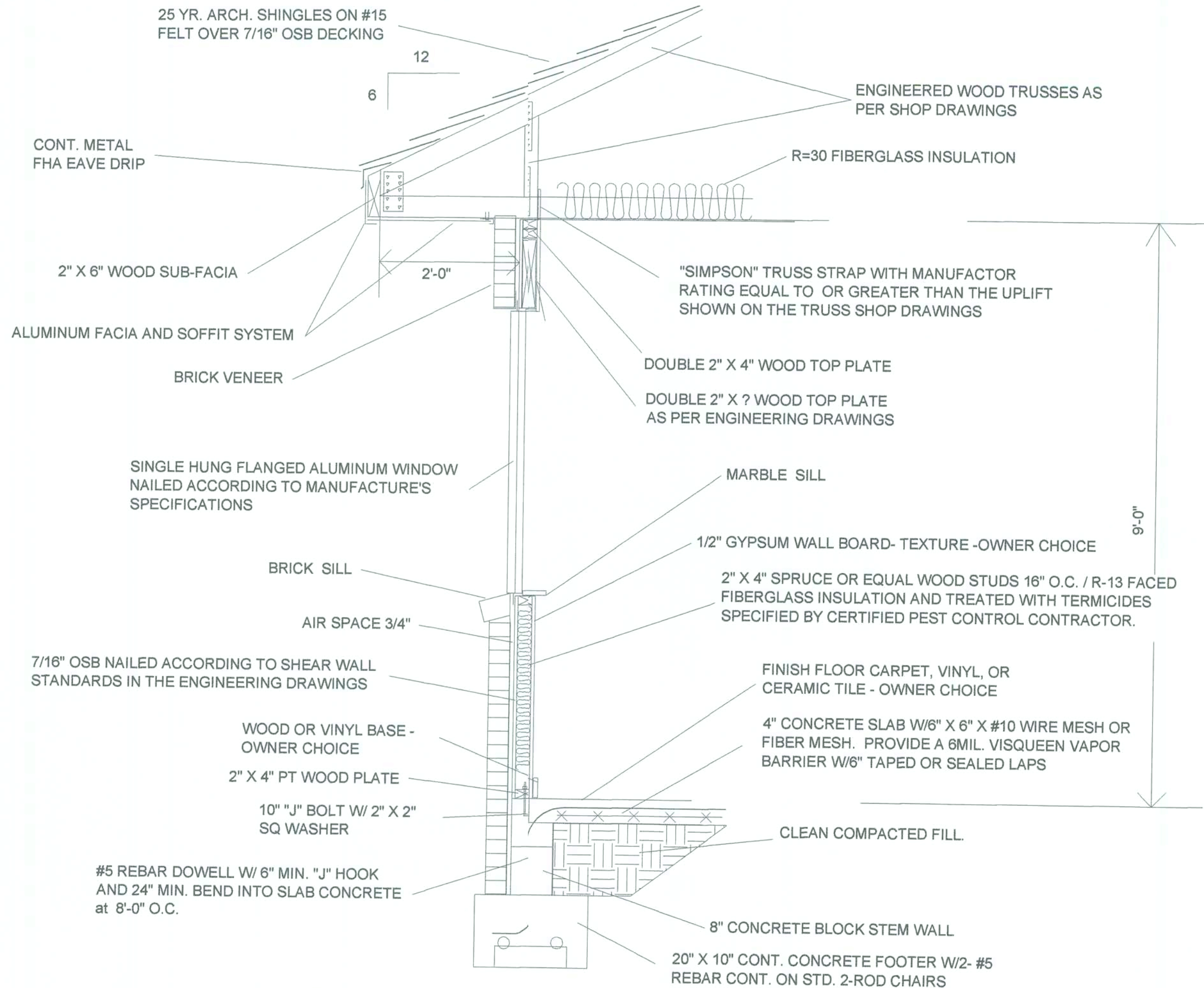
FOUNDATION PLAN

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

PROJECT
 LANCELOT MODEL
 STONEHENGE LOT P2-22

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David E. Miller



TYPICAL WALL SECTION

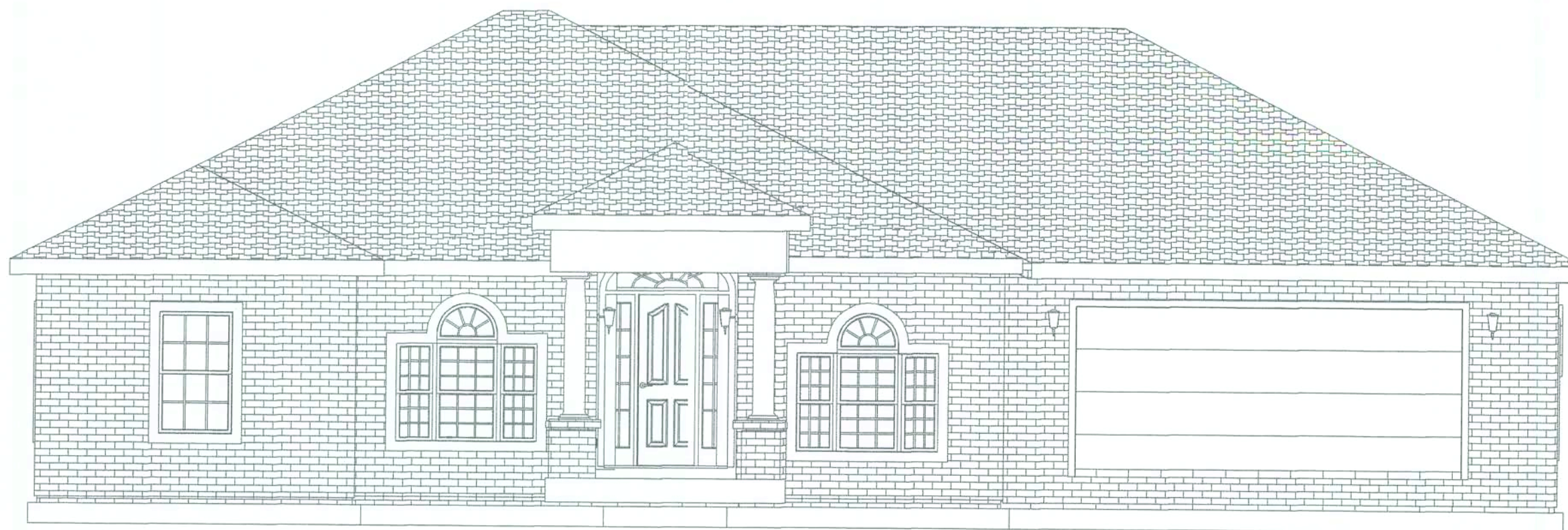
SCALE 3/4" = 1'-0"

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

PROJECT
LANCELOT MODEL
STONEHENGE LOT P2-22

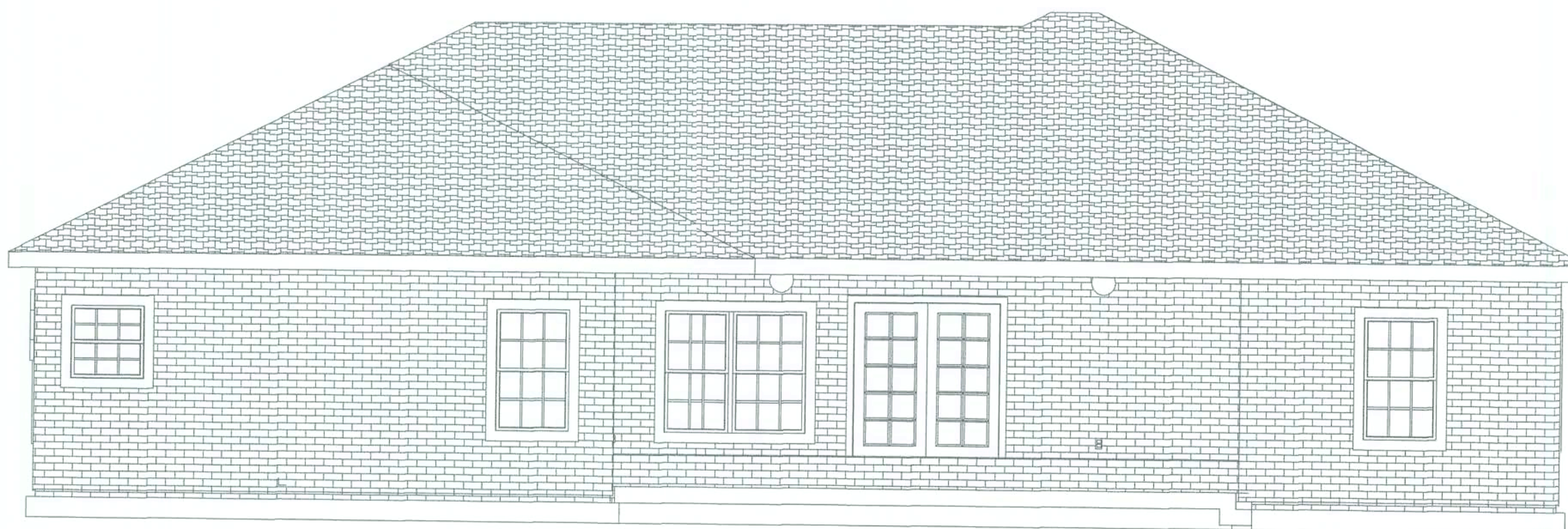
PAGE
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David E. Williams



SCALE 3/16"=1'-0"

FRONT ELEVATION



SCALE 3/16"= 1'-0"

REAR ELEVATION

DONNY WILLIAMS CONSTRUCTION

541 SW AIRPARK GLEN

LAKE CITY, FL 32025

David E. Williams

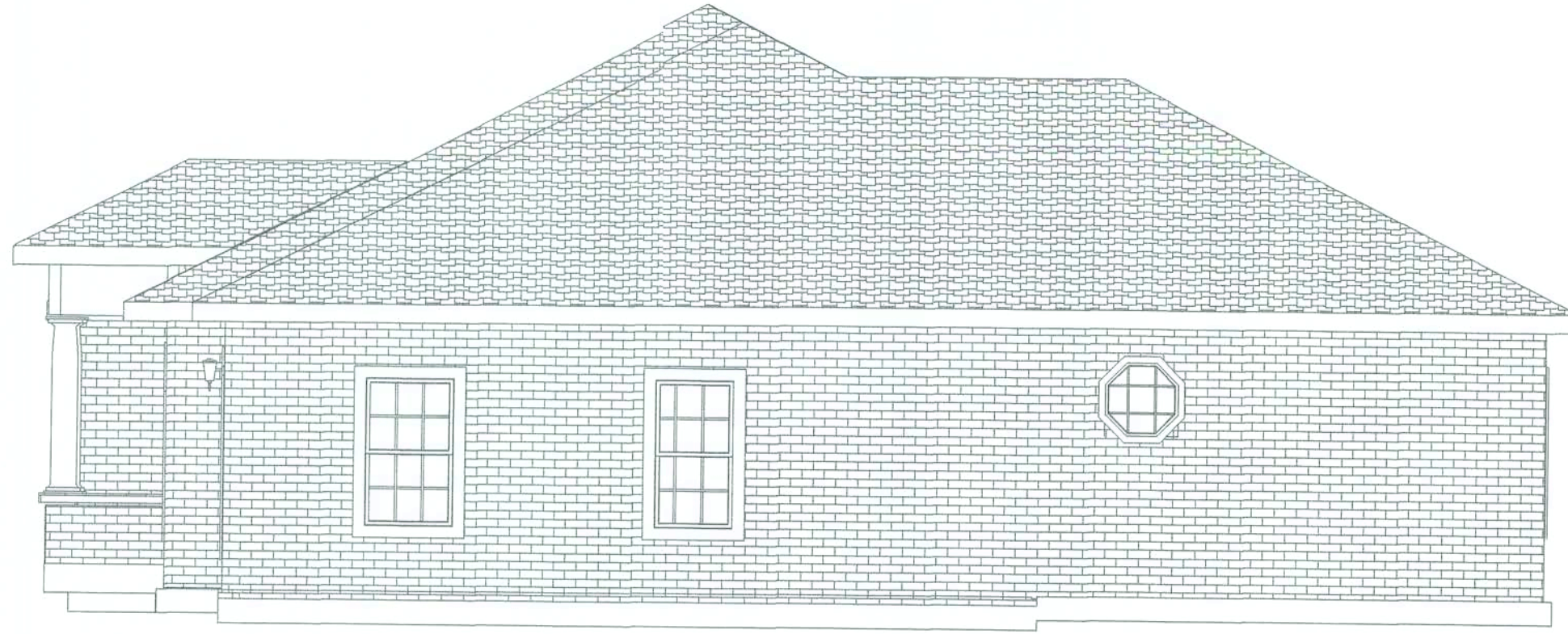
PROJECT

LANCELOT MODEL

STONEHENGE LOT P2-22

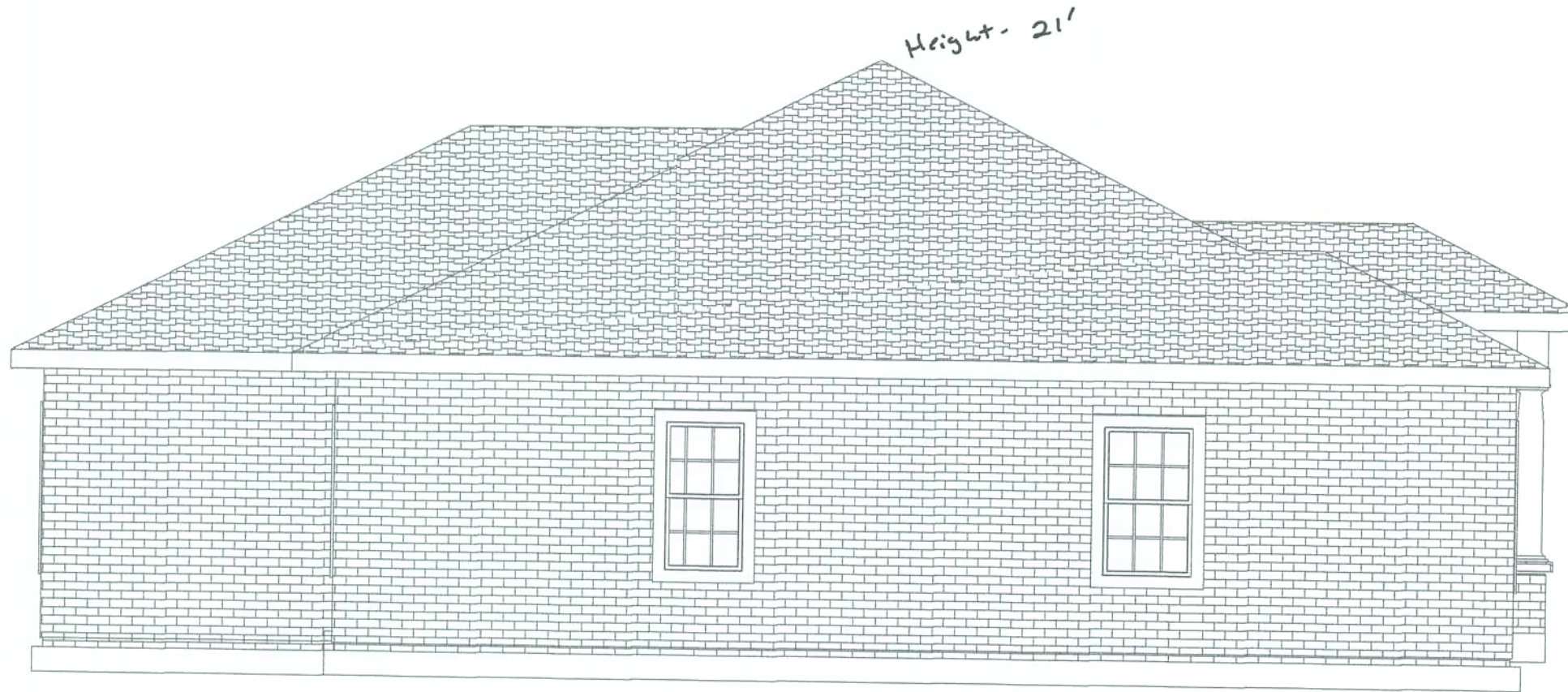
PAGE

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SCALE 3/16" = 1'-0"

RIGHT ELEVATION



SCALE 3/16" = 1'-0"

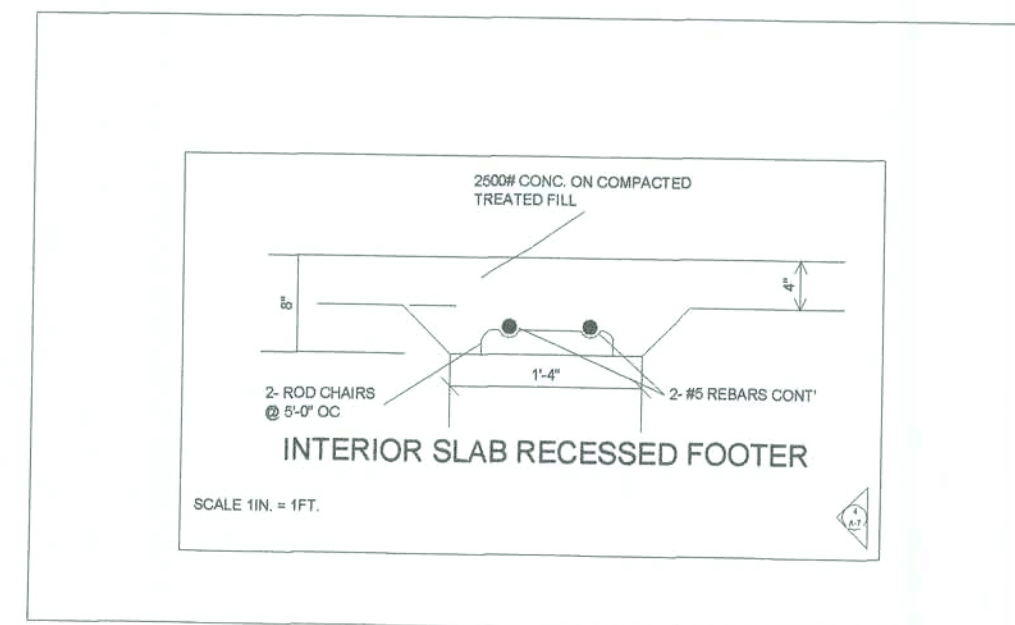
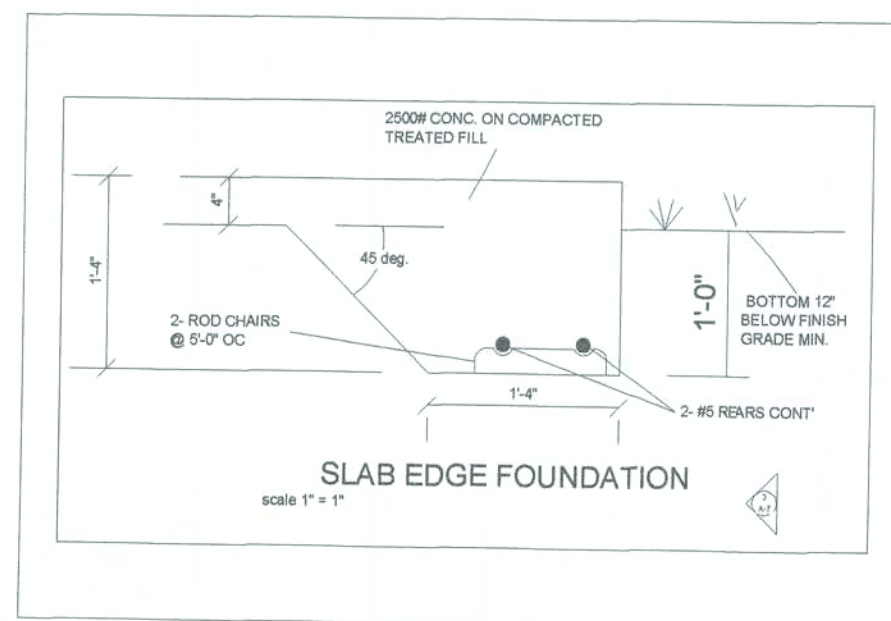
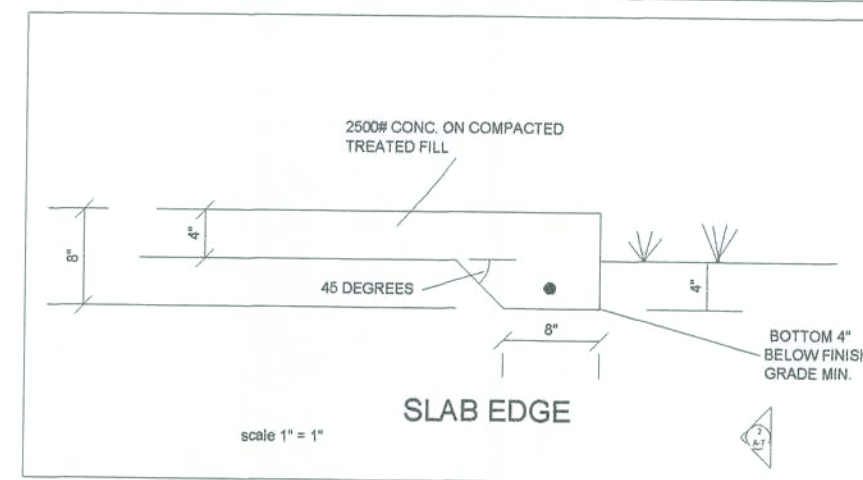
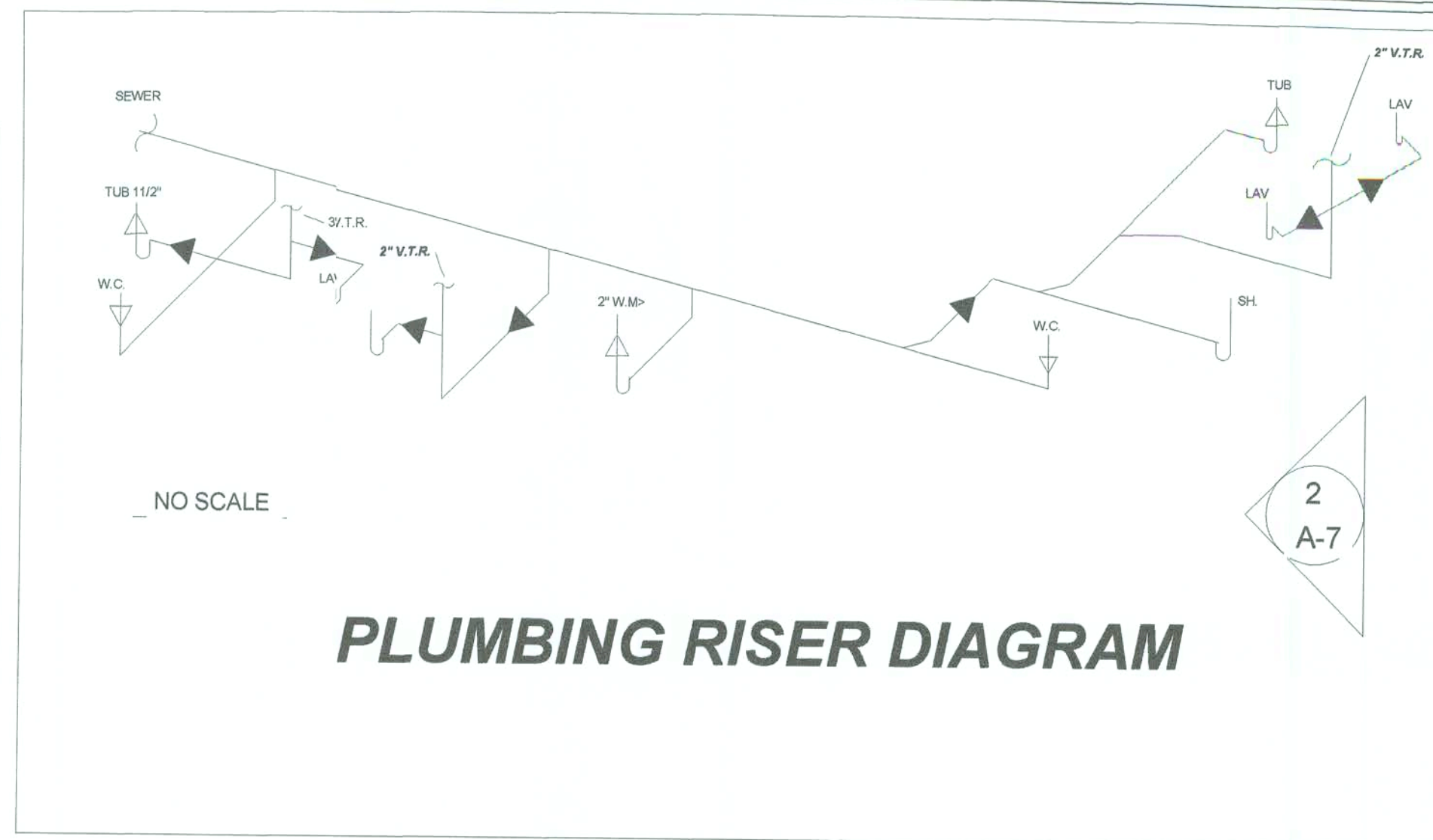
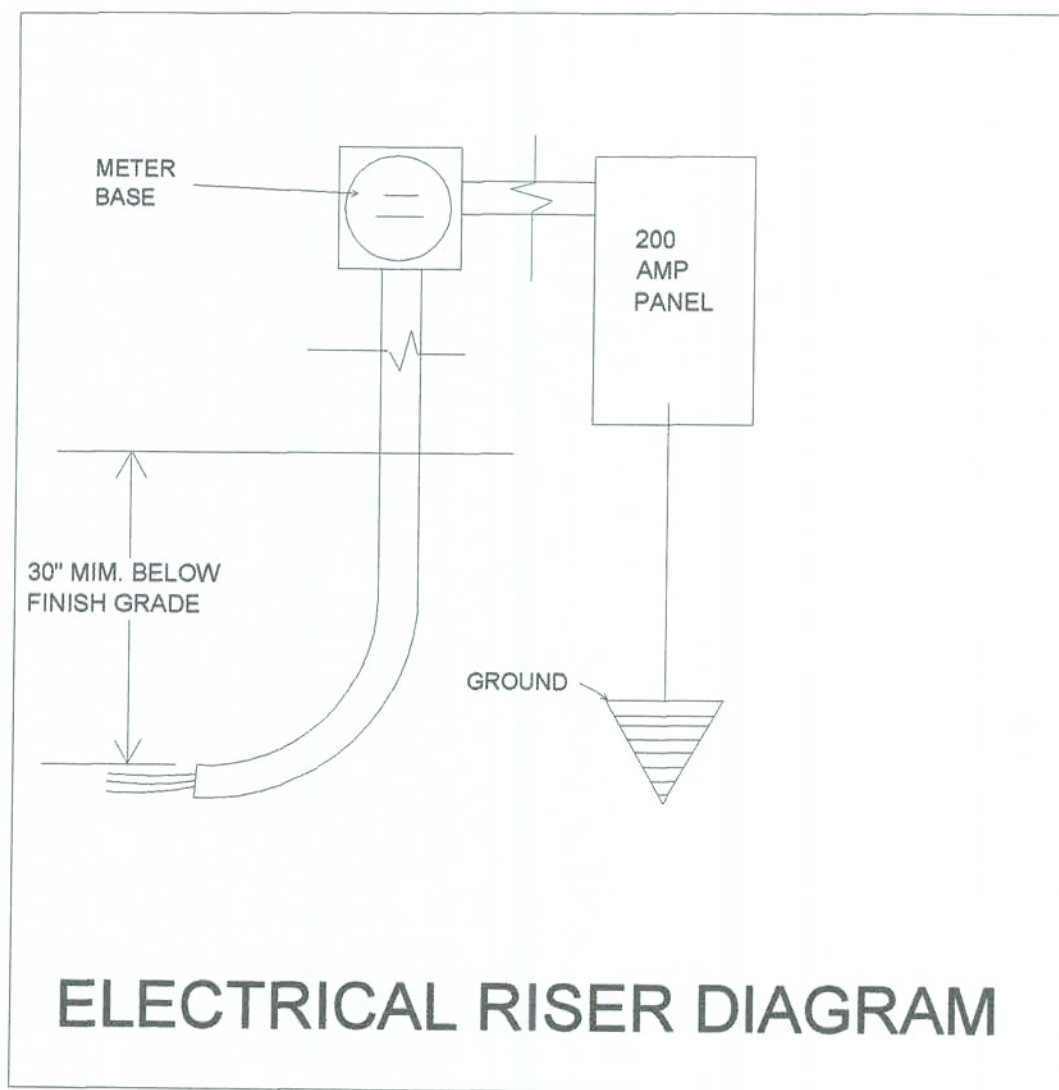
LEFT ELEVATION

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

David E. Williams

PROJECT
LANCELOT MODEL
STONEHENGE LOT P2-22

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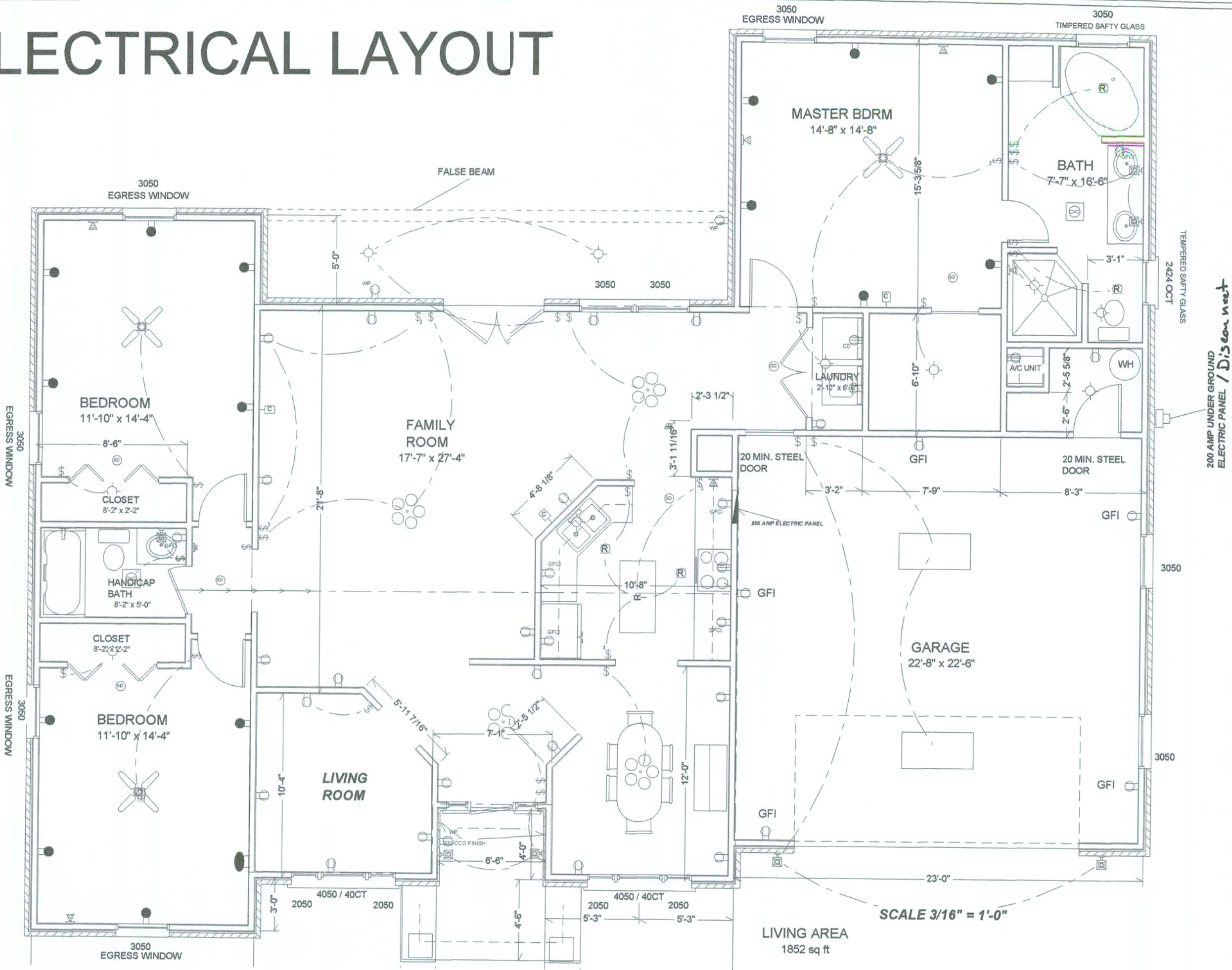


ELECTRICAL LAYOUT

SYMBOL	DESCRIPTION
	SWITCH
	3 WAY SWITCH
	4 WAY SWITCH
	110 RECEPTACLE
	ARC FAULT OUTLET
	GROUND FAULT OUTLET
	WATERPROOF GFCI
	220 OUTLET
	TV OUTLET
	DRYER OUTLET
	SMOKE DETECTOR
	TELEPHONE OUTLET
	CHANDELIER
	CEILING FAN
	EXHAUST FAN
	OVERHEAD LIGHT
	RECESSED OUTLET

NOTES

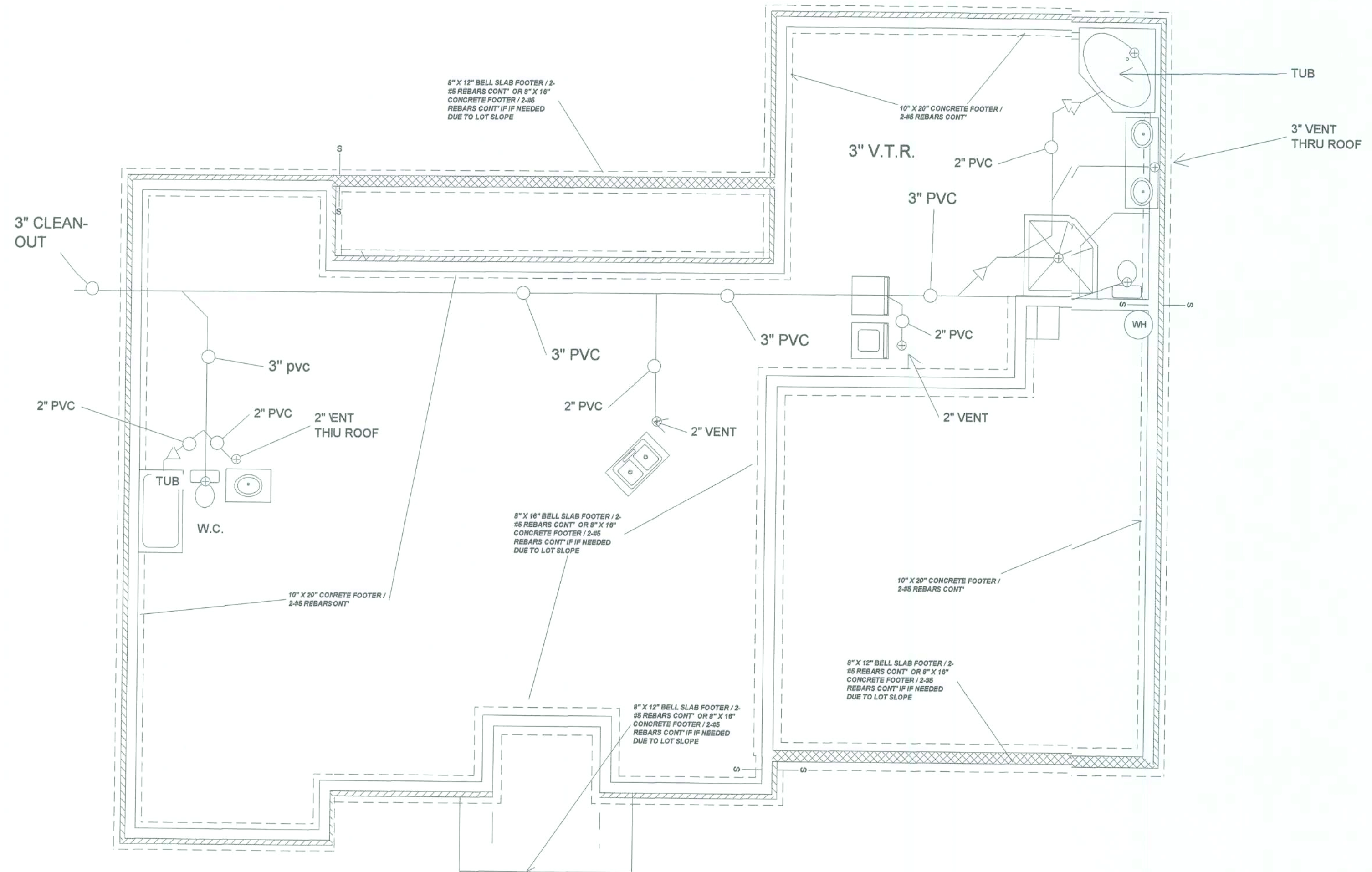
NOTE: All smoke detectors shall be photoelectric 120 V with battery backup and shall be interlocked so the alarm will sound on all units when one unit is triggered.



DONNY WILLIAMS CONSTRUCTION
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PROJECT
LANCELOT MODEL
STONEHENGE LOT P2-22

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PLUMBING LAYOUT

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

PROJECT
 LANCELOT MODEL
 STONEHENGE LOT P2-22

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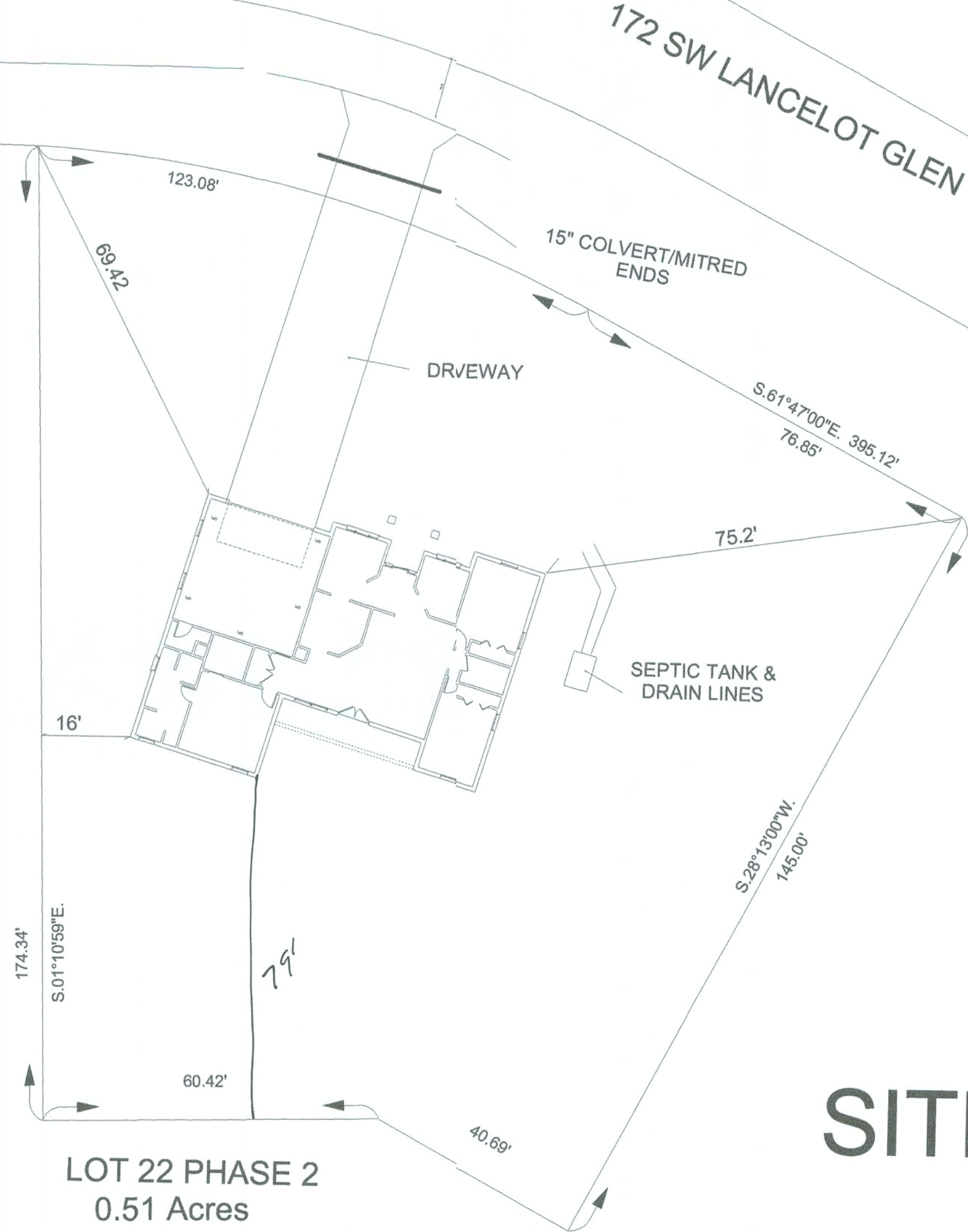
David E. Williams



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David E. Hudson

EDGE OF PAVEMENT



SITE PLAN

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

David E. Reilly

PROJECT
LANCELOT MODEL
STONEHENGE LOT P2-22

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11 OF 11

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

Footings: 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	980#
GIRDER TRUSS TO POST/HEADER:	SIMPSON LGT, W/ 28 - 16d NAILS	1785#
HEADER TO KING STUD(S):	SIMPSON ST22	1370#
PLATE TO STUD:	SIMPSON SP4	1085#
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 TRANSFERRING THE DESIGNED UPLIFT AS SHOWN ON THE TRUSS ENGINEERING DRAWINGS FROM THE SLAB TO THE TRUSSES.

NOTE:

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

NOTE:

REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/ JOINT REINFORCEMENT 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-443, NER-393

NOTE!

THE DESIGN WIND SPEED FOR THIS PROJECT IS 110 MPH PER FBC 1606 AND LOCAL JURISDICTION 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 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 COMPACTION SHALL 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. REINFORCING 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, COLUMNS 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. 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.

STONEHENGE LOT P2-22
BY: DONNY WILLIAMS CONSTRUCTION
COLUMBIA COUNTY, FLORIDA

NICHOLAS PAUL GEISLER
ARCHITECT
1108 NW Brown Road
Lawton, OK 73505
904755-9021

17 MAR 2006
AR0007005

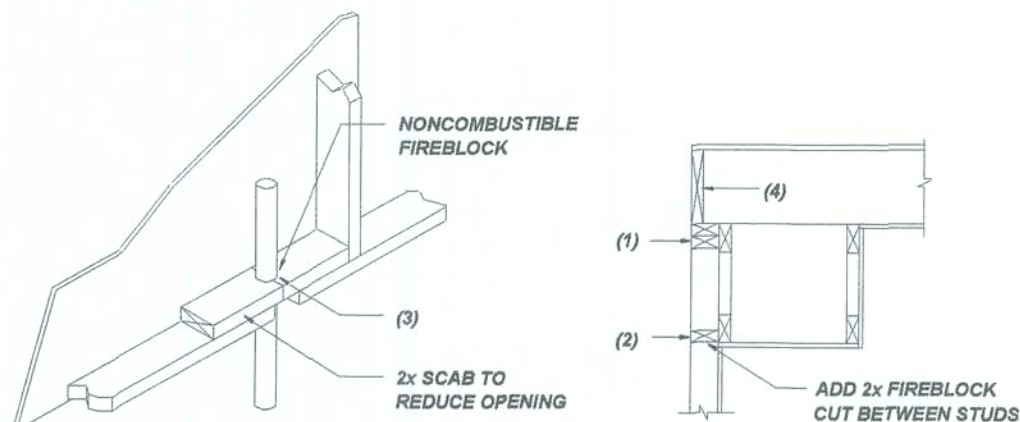
SHEET: SD 1 1 OF 6

REVISION:

DRAWN: npg

DATE: 20AUG2K3

COM: 2K343



PENETRATIONS

SOFFIT/DROPPED CLG.

FIREBLOCKING NOTES:

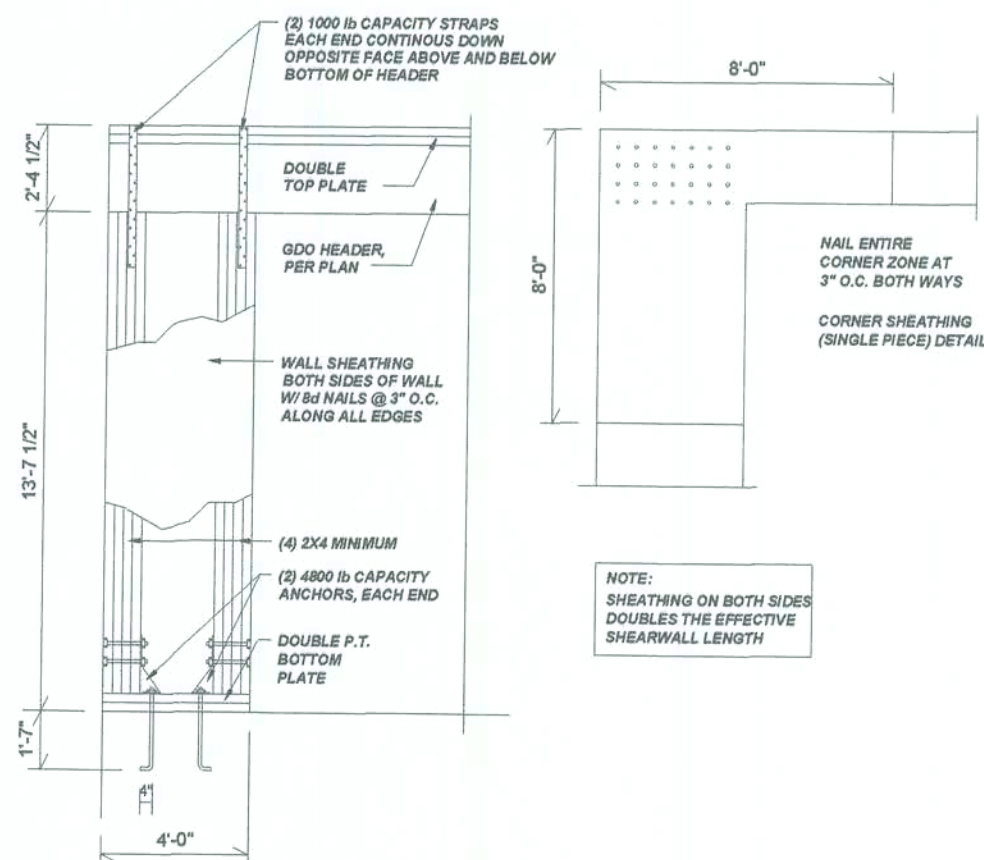
FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

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

SCALE: NONE

A

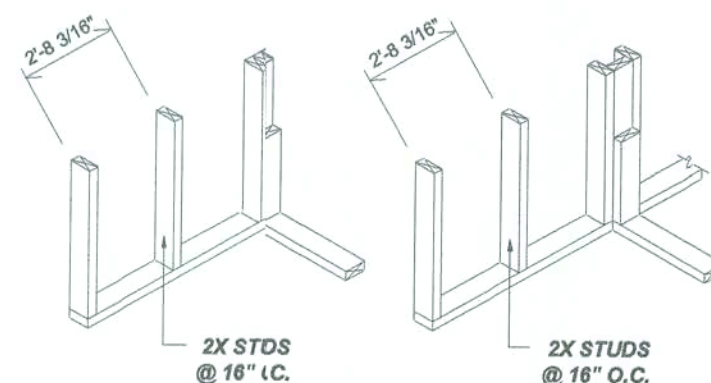


Garage End Wall DETAILS

SCALE: NONE

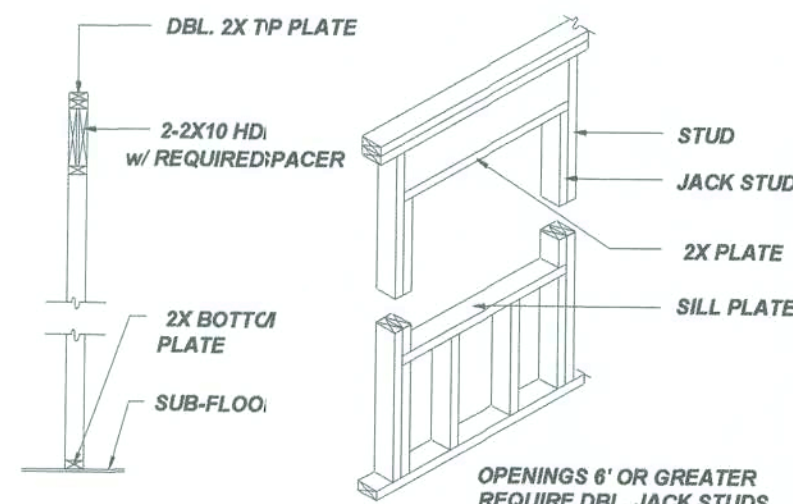
NOTE:
1/2" ALL THREADED ROD EPOXED 8" INTO CONCRETE & LOCATED WITHIN 6" OF COLUMN MAY BE USED AS AN ALTERNATE. TRUSS MUST BE ATTACHED TO THE WALL WITH SUITABLE FASTENERS WHICH MEET THE UPLIFT AS SHOWN ON THE TRUSS ENGINEERING

B

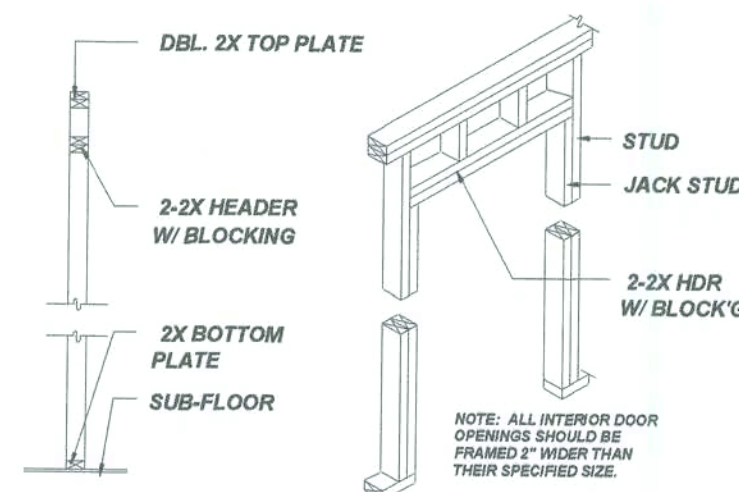


WALL CORNER

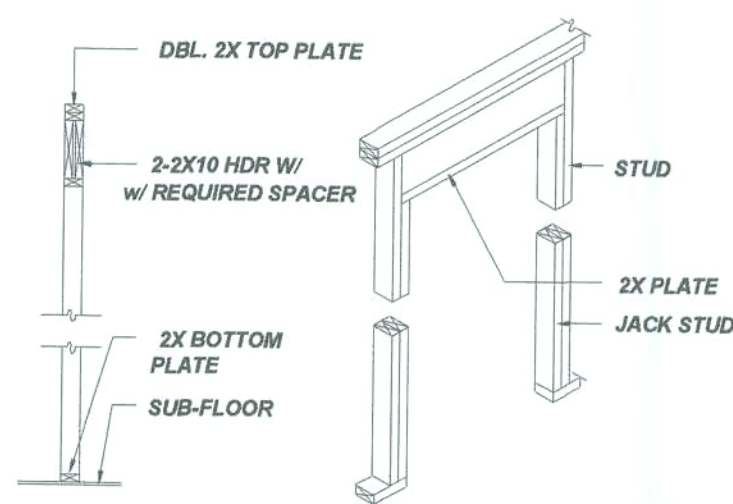
WALL INTERSECTION



TYPICAL WINDOW HEADER



NON-BEARING WALL HEADER



BEARING WALL HEADER

Wall Framing/Header DETAILS

SCALE: NONE

C

HEADER SPANS FOR EXTERIOR BEARING WALLS							
HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT)					
		20'		28'		36'	
		SPAN	# JACKS	SPAN	# JACKS	SPAN	# 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	

SHEET: SD 2
2 OF 6

REVISION:

DRAWN: rpg

DATE: 20AUG2K3

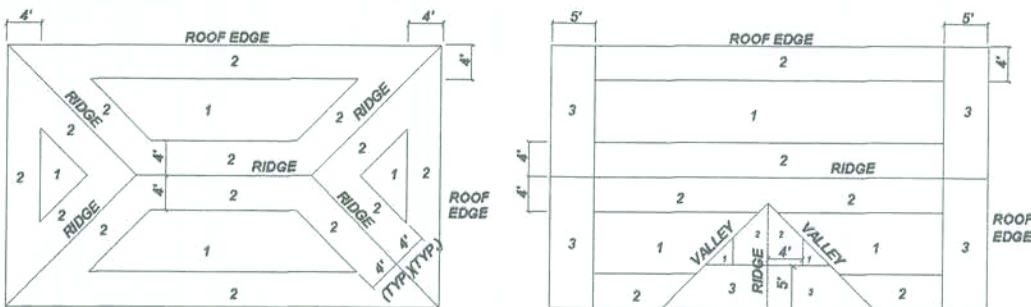
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STONEHENGE LOT P2-22
BY: DONNY WILLIAMS CONSTRUCTION
COLUMBIA COUNTY, FLORIDA

NICHOLAS PAUL
GEISLER
ARCHITECT
N.C.A.R.B. Certified
1160 NW Brown Road
Lake City, FL 32009
904/755-5021

177 MAR 2006
AR00007005

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

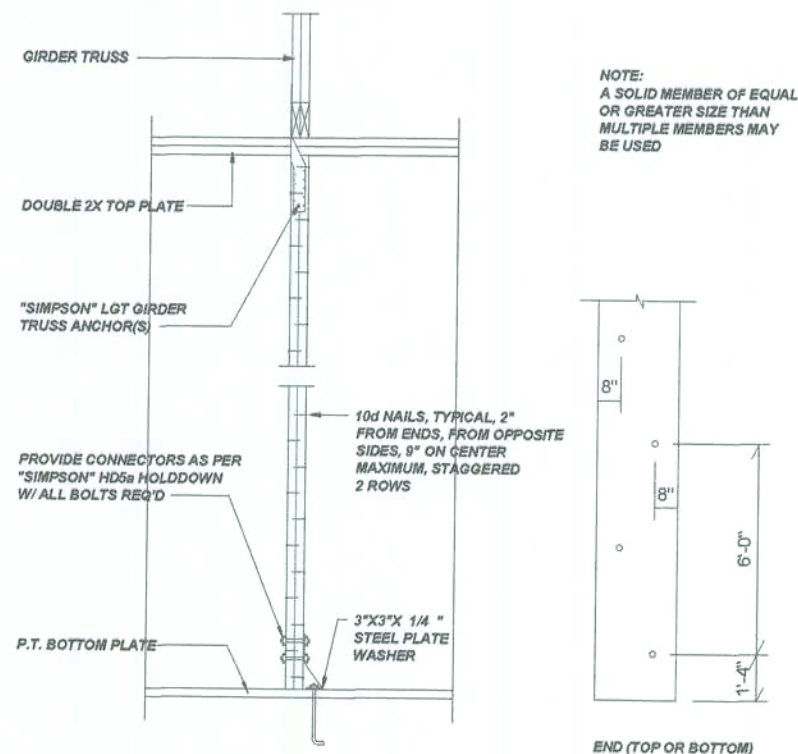


ROOF SHEATHING NAILING ZONES (HIP ROOF) ROOF SHEATHING NAILING ZONES (GABLE ROOF)

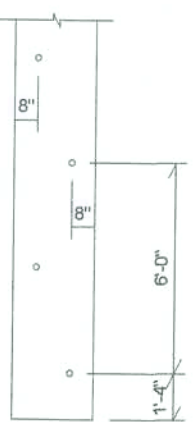
Roof Nail Pattern DET.

SCALE: NONE

A



NOTE:
A SOLID MEMBER OF EQUAL
OR GREATER SIZE THAN
MULTIPLE MEMBERS MAY
BE USED

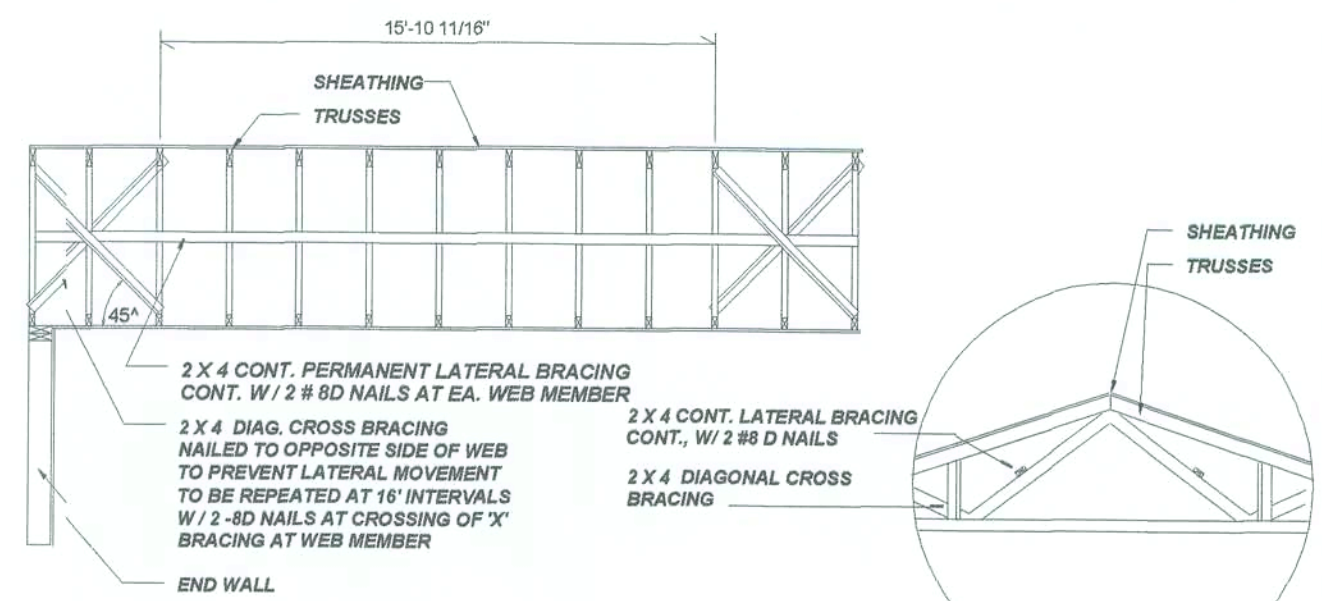


Girder Truss Column DET.

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 FASTENERS WHICH MEET
THE UPLIFT AS SHOWN ON THE TRUSS ENGINEERING



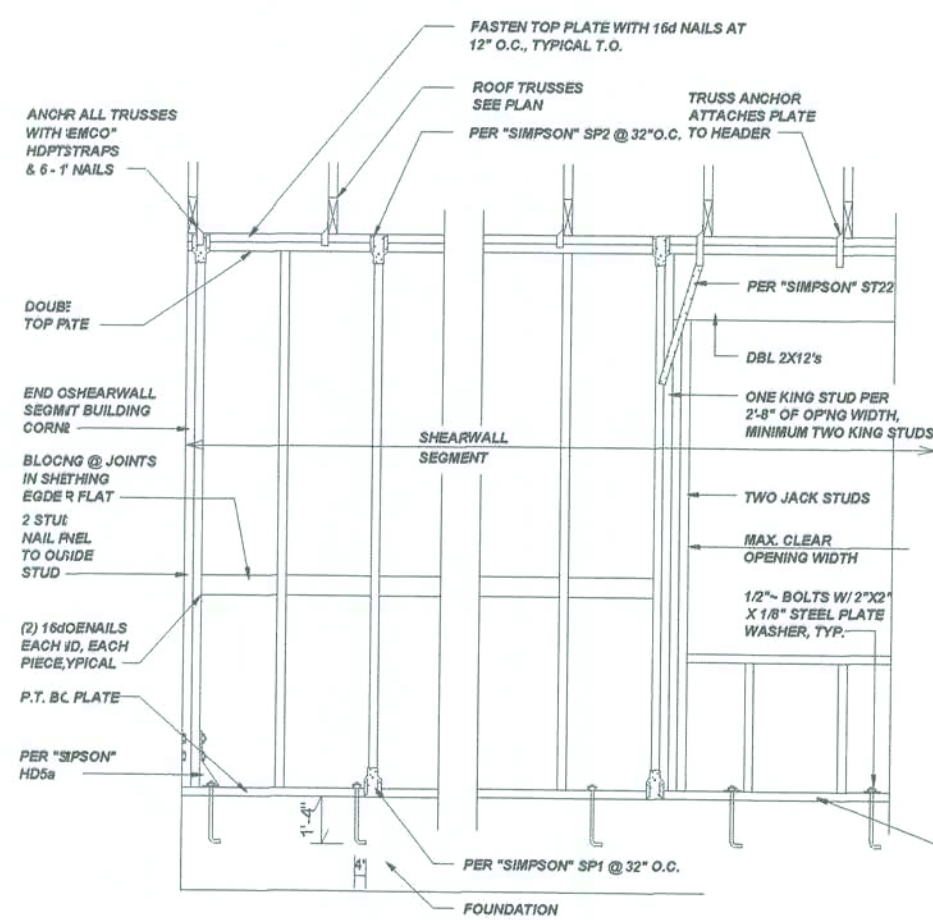
TYP. PERMANENT TRUSS BRACING DIA.

NT:
NOE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

Truss Bracing DETAILS

SCALE: NONE

C



- SHEARWALL NOTES:**
- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-97 SBBQI 305.4.3.
 - 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 OCCURRING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
 - 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

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

SCALE: NONE

D

NOTE:
4" SMOOTH STEELED TROWLED CONC. SLAB, W/ FIERMESH REINFORCING, OVER 6 MIL PLASTIC SHEETING, ON CLEAN, WELL COMPACTED SAND/ILL, TERMITE TREATED.
LAP EDGES OF 6 MIL VAPOR BARRIER MIN. 6" - SEAL ALL 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
3 of 6

REVISION:

DRAWN: rpg

DATE: 20AUG20K3

COMM: 2K343

STONEHENGE LOT P2-22
BY: DONNY WILLIAMS CONSTRUCTION
COLUMBIA COUNTY, FLORIDA

NICHOLAS
PAUL
GEISLER
ARCHITECT
N.C.A.R.B. Certified
1168 NW Brown Road
Gainesville, FL 32605
352/770-5121

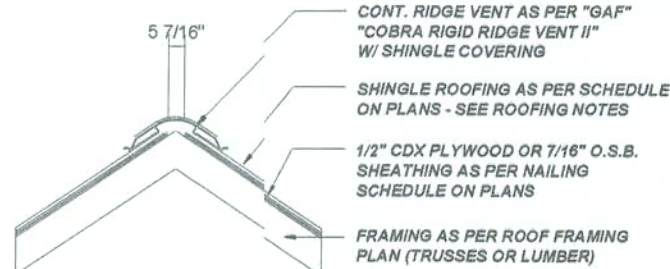
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NOTE!
SHEATH ROOF W/ 1/2" CDX PLYWOOD PLACED
W/ LONG DIMENSION PERPENDICULAR TO THE
ROOF TRUSSES, SECURE TO FRAMING W/ 8d
NAILS - AS PER DETAIL ON SHEET A.7

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

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.

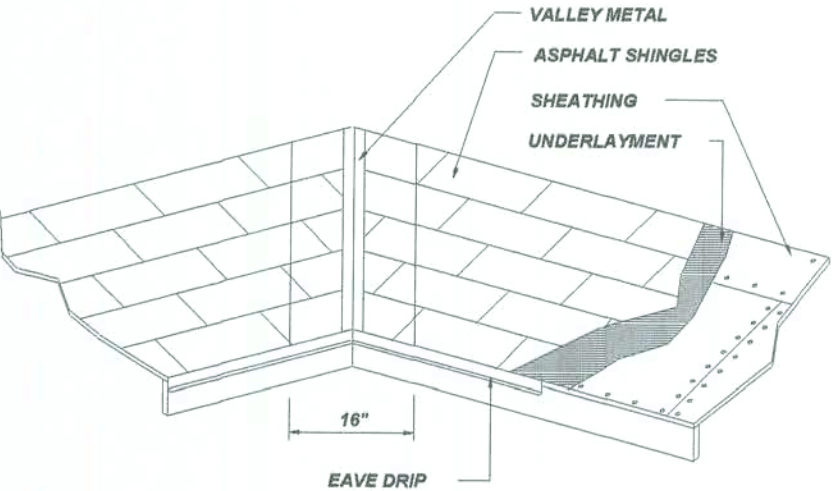


MIAMI/DADE PRODUCT APPROVA REPORT: #98-0713.05

Ridge Vent DETAIL

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

B



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

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: rpg

DATE: 20AUG2K3
COMM: 2K343

STONEHENGE LOT P2-22
BY: DONNY WILLIAMS CONSTRUCTION
COLUMBIA COUNTY, FLORIDA

NICHOLAS
PAUL
GEISLER
ARCHITECT
N.C.A.R.E. Certified
1158 NW Brown Road
Lake City, FL 32055
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.	SEFS 450	-
3030	SINGLE HUNG ALUM. SASH W/ INSUL. GLASS	1" ROOFING NAILS - 3 PER FLANGE, MAX. 18" O.C.	SEFS 450	-
3050	SINGLE HUNG ALUM. SASH W/ INSUL. GLASS	1" ROOFING NAILS - 4 PER FLANGE, MAX. 18" O.C.	SEFS 450	-
4050	SINGLE HUNG ALUM. SASH W/ INSUL. GLASS	1" ROOFING NAILS - 4 PER FLANGE, MAX. 18" O.C.	SEFS 450	-
2-3050	SINGLE HUNG ALUM. SASH W/ INSUL. GLASS	5 - 1" ROOFING NAILS EA. FLANGE - MAX. 18" O.C.	SEFS 450	-
30 FAN	FIXED ALUM. SASH W/ INSUL. GLASS	6 - 1" ROOFING NAILS	SEFS 450	N1
8068	ALUM. SASH SLIDING GL. DOOR W/ INSUL. GLASS	5 - 3/16" TAPCON SILL/HEAD, 4 - 3/16" TAPCON JAMB	SEFS 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. 2X6 HEADER BETWEEN DBL. WINDOW, BELOW & FAN UNIT

N2 - TESTING AS PER ASTM E1300

NOTE !!!

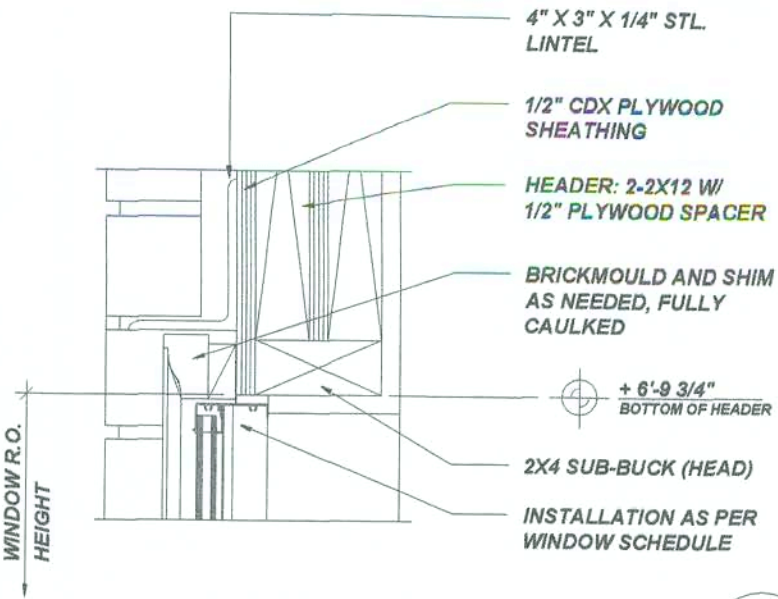
EXTERIOR DOORS SHALL MEET OR EXCEED THE WIND RESISTANCE OF THE FOLLOWING PRODUCT:

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

NOTE !!!

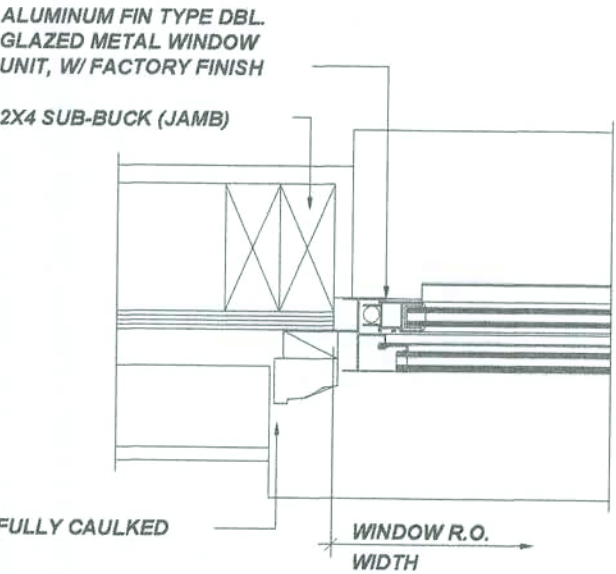
WINDOW ASSEMBLIES SHALL MEET OR EXCEE THE WIND RESISTANCE OF THE FOLLOWING PRODUCTS:

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



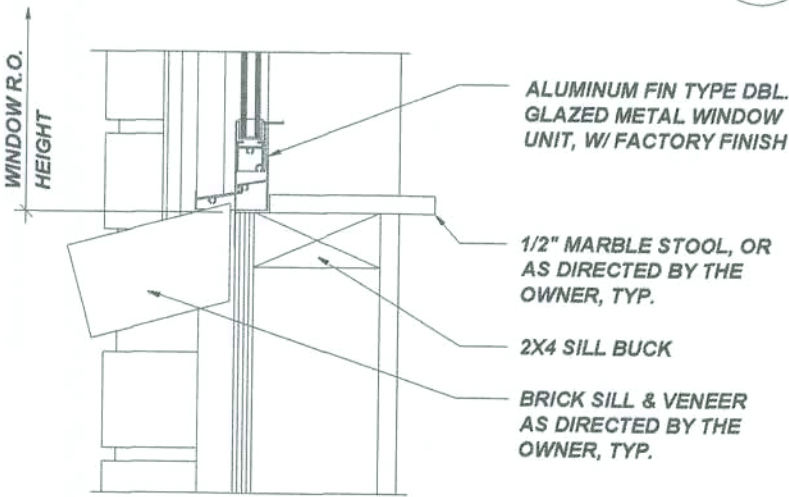
HEAD DETAIL
MTL. SASH

1



JAMB DETAILS
MTL. SASH

2



SILL DETAIL
MTL. SASH

3

Typ. Window DET'S

SCALE: 3" = 1'-0"

A

SHEET: SD 5 6
5 # 6

REVISION:

DRAWN: nrg

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STONEHENGE LOT P2-22
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NS

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N.C.A.R.B. Certified
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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.

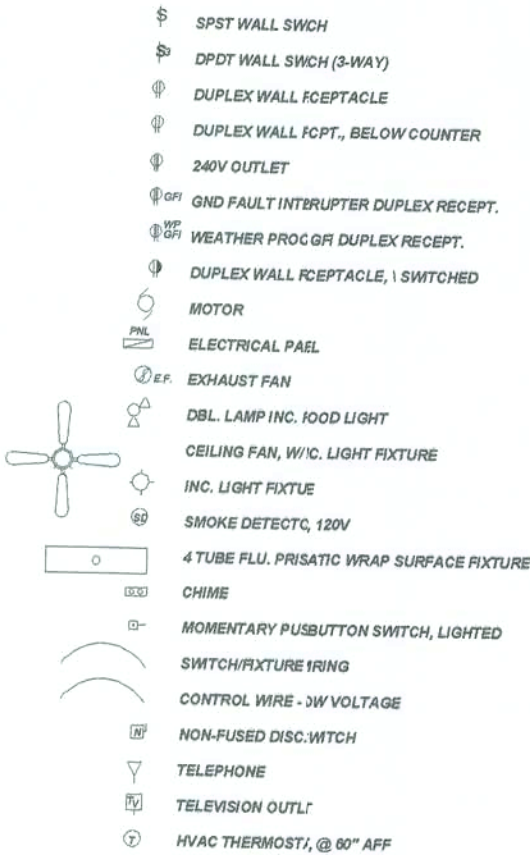
INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.

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.

Electrical SYMBOLS



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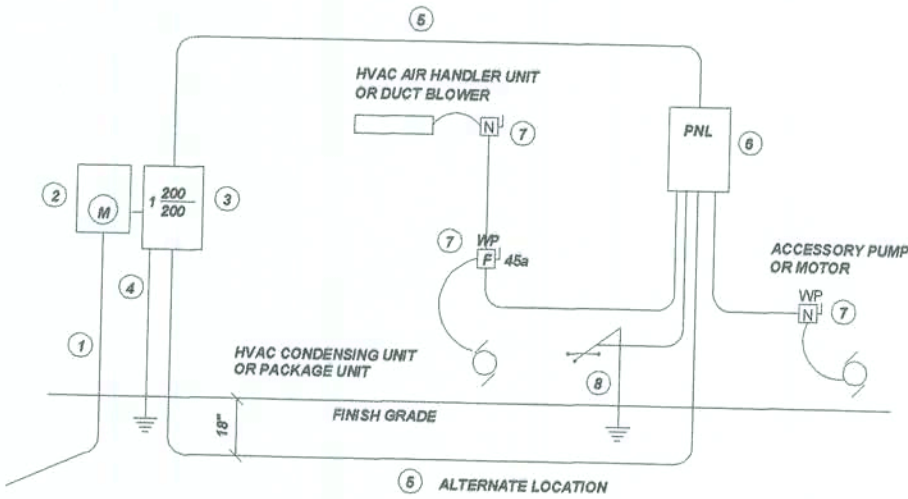
FEEDER SIZE: 43302.4w / 240v = 180.43 amperes
USE: 3 #2/0 THW w/ 1 #1 Cu GND / 2" C.

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	Celling Fans	15A/1P	14NM	1500W
17	Gar. Door Opener	30A/1P	10NM	1200W
18	Refrigerator	15A/1P	14NM	1200W
19	Spare	-	-	400W
20,22	EWB	30A/2P	10NM	4500W
21,23	Range	50A/2P	8NM	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
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- 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.
- Meter Enclosure, weatherproof, U.L. Listed.
- Main Disconnect Switch: fused or Main BRKR, weatherproof, U.L. Listed.
- Service entrance Ground: 3" - 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.
- 200 AMPERE SERVICE: 3-#2/0-USE-Cu, 1-#4-Cu-GND, 2" Conduit.
- House Panel (PNL), U.L. Listed, sized per schedule.
- Equipment Disconnect Switch: non-fused, in weatherproof enclosure, size according to Panel Schedule loads.
- 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

SHEET: SD 6 6

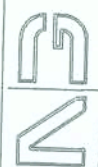
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NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.B. Certified
1158 NW Brown Road
Gainesville, FL 32605
907/855-5021

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