

FLORIDA BUILDING CODE

Compliance Summary

TYPE OF CONSTRUCTION

Roof: Hip/Gable Construction, Wood Trusses @ 24" O.C.
 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 epoxied 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 CATEGORY:	CATEGORY 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 & CLADDING PER TABLES 1609.2B & 1609.2C (FBC 2004) DESIGN WIND PRESSURES:	OPNGS: + 21.8 / - 29.1 PSF EAVES: - 68.3 PSF ROOF: + 19.9 / - 25.5 PSF

WOOD STRUCTURAL NOTES

- 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".
- 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".
- WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN Nr.2 HEM-FIR OR BETTER.
- 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	600#
GIRDER TRUSS TO POST/HEADER:	SIMPSON LGT, W/ 28 - 16d NAILS	1785#
HEADER TACKLING STUD(S):	SIMPSON ST22	1370#
PLATE TO STUD:	SIMPSON SP4	1065#
STUD TO SIL:	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 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 UNLIFTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON B4 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 NEI-443, NER-393

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

NOTE!
 ADDED FIL 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:

- DESIGN SOIL BEARING PRESSURE: 1000 PSF.
- 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 PERFORMED 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 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.
- REINFORCING STEEL SHALL BE GRADE 40 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- WEDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 85 KSI.
- 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.
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - F'm: 1500 PSI.
- MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAIN REQUIREMENTS.
- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.

SHEET: SD 1
 1 OF 6

REVISION:

DRAWN: npg

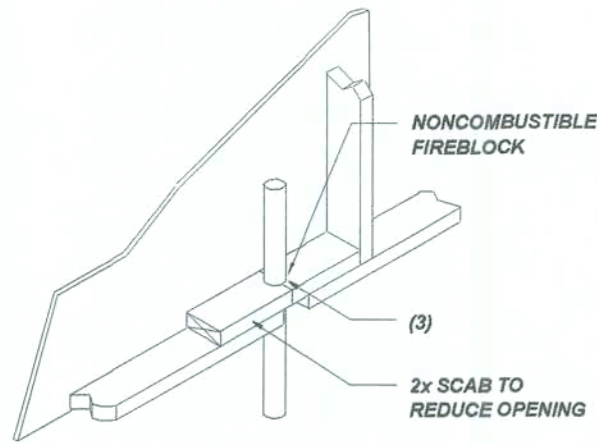
DATE: 20AUG2003
 COMPI: 2K343

STONEHENGE LOT P2-20
 BY: DONNY WILLIAMS CONSTRUCTION
 COLUMBIA COUNTY, FLORIDA

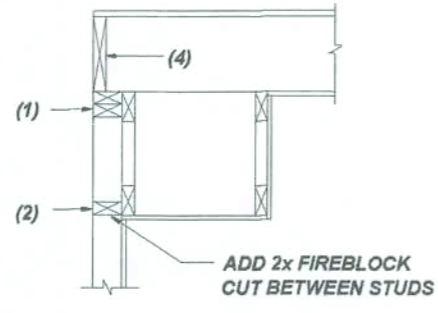


NICHOLAS PAUL GEISLER ARCHITECT

Handwritten signature and date: 23 June 2003
 AR0007005



PENETRATIONS



SOFFIT/DROPPED CLG.

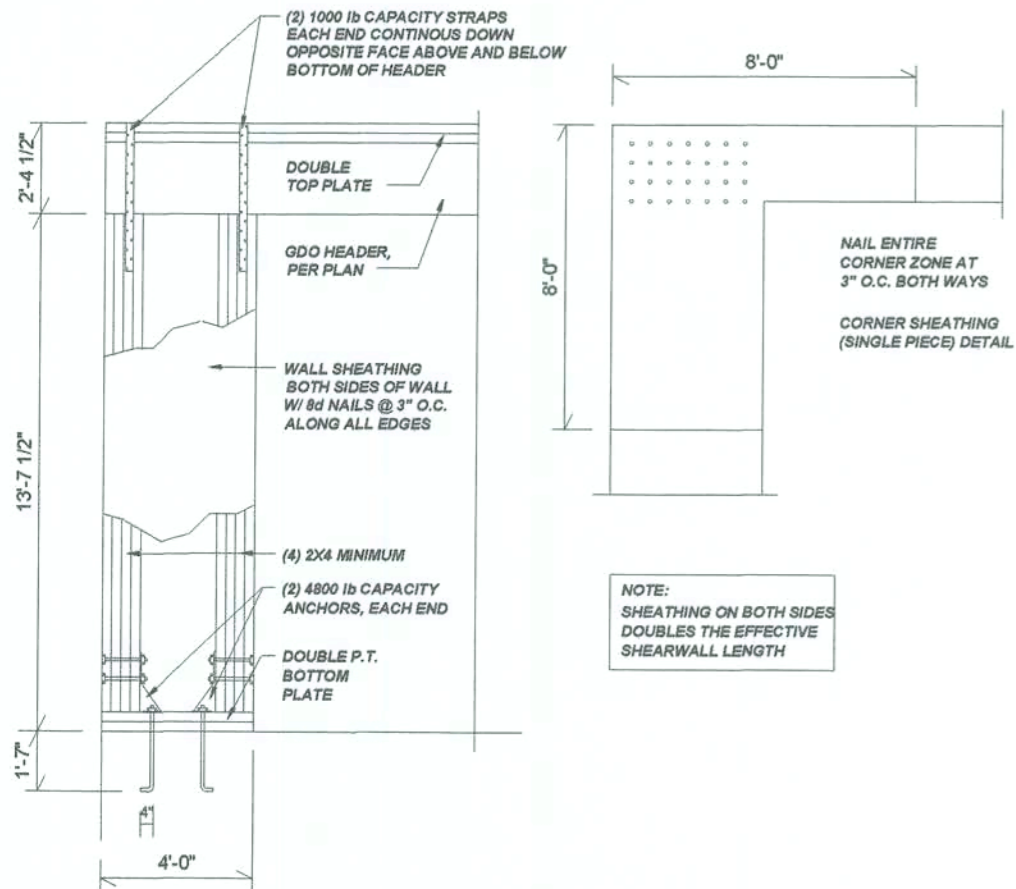
FIREBLOCKING NOTES:

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

SCALE: NONE

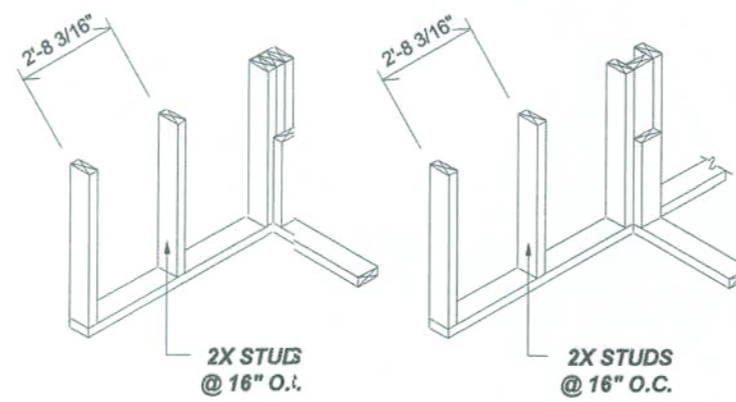


Garage End Wall DETAILS

SCALE: NONE

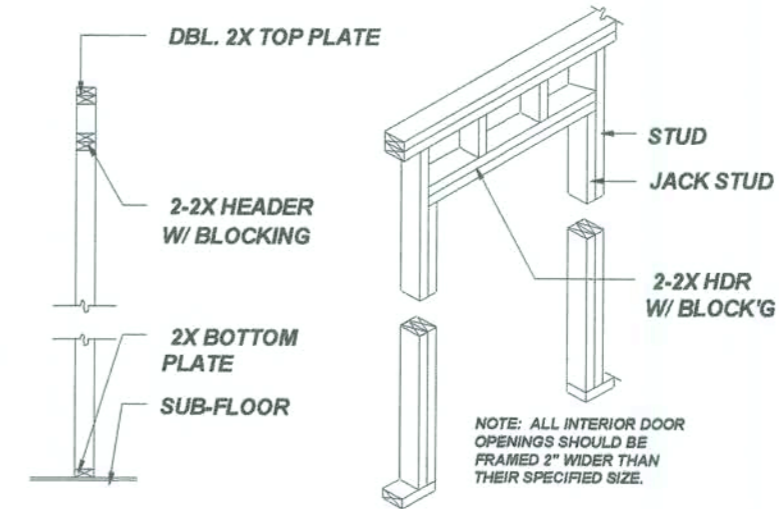
NOTE!
1/2" ALL THREADED ROD EPOXED 8" INTO CONCRETE & LOCATED WITHIN 6" OF COLUMN MAY BE USED AS AN ALTERNATE. TRUSS MUST BE ATTACHED TO THE WALL WITH SUITABLE FASTNERS WHICH MEET THE UPLIFT AS SHOWN ON THE TRUSS ENGINEERING

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	

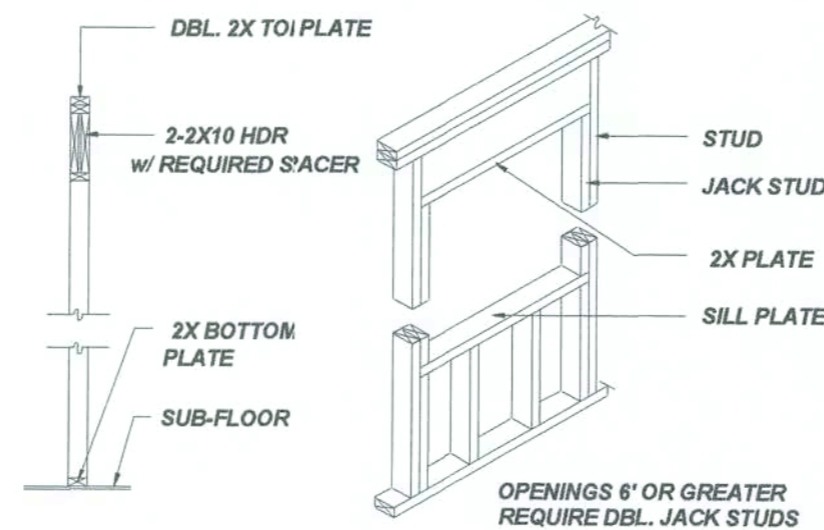


WALL CORNER

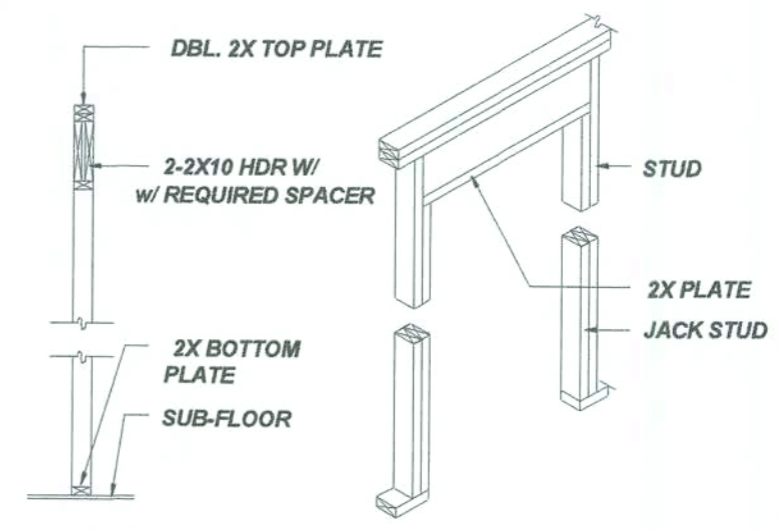
WALL INTERSECTION



NON-BEARING WALL HEADER



TYPICAL WINDOW HEADER



BEARING WALL HEADER

Wall Framing/Header DETAILS

SCALE: NONE

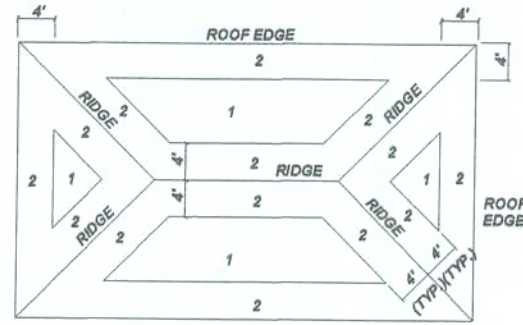
SHEET: **SD 2**
2 of 6
REVISION:
DRAWN: *np8*
DATE: 20AUG2K3
COM: 2K343

STONEHENGE LOT P2-20
BY: **DONNY WILLIAMS CONSTRUCTION**
COLUMBIA COUNTY, FLORIDA

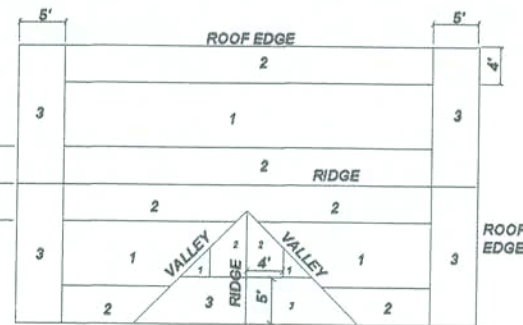
NG
NICHOLAS PAUL GEISLER ARCHITECT
1155 NW 99th Road
Lima, OH, FL 33555

23 June 2014
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
2			12 in. o.c. FIELD
3			6 in. o.c. EDGE
			6 in. o.c. FIELD
			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)

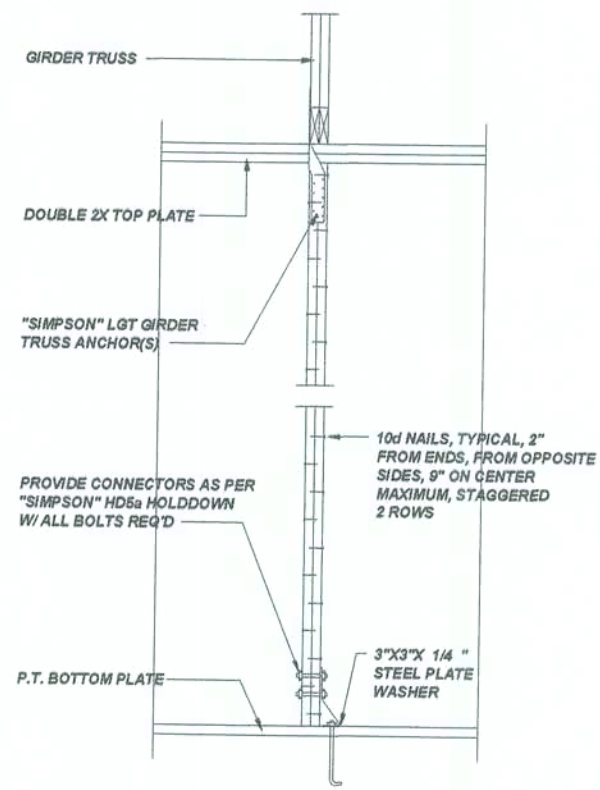


ROOF SHEATHING NAILING ZONES (GABLE ROOF)

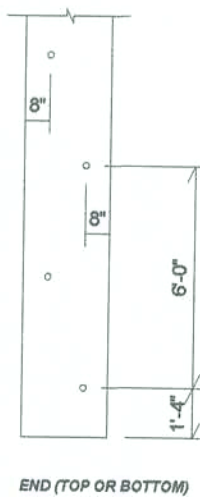
Roof Nail Pattern DET.

SCALE: NONE

A



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

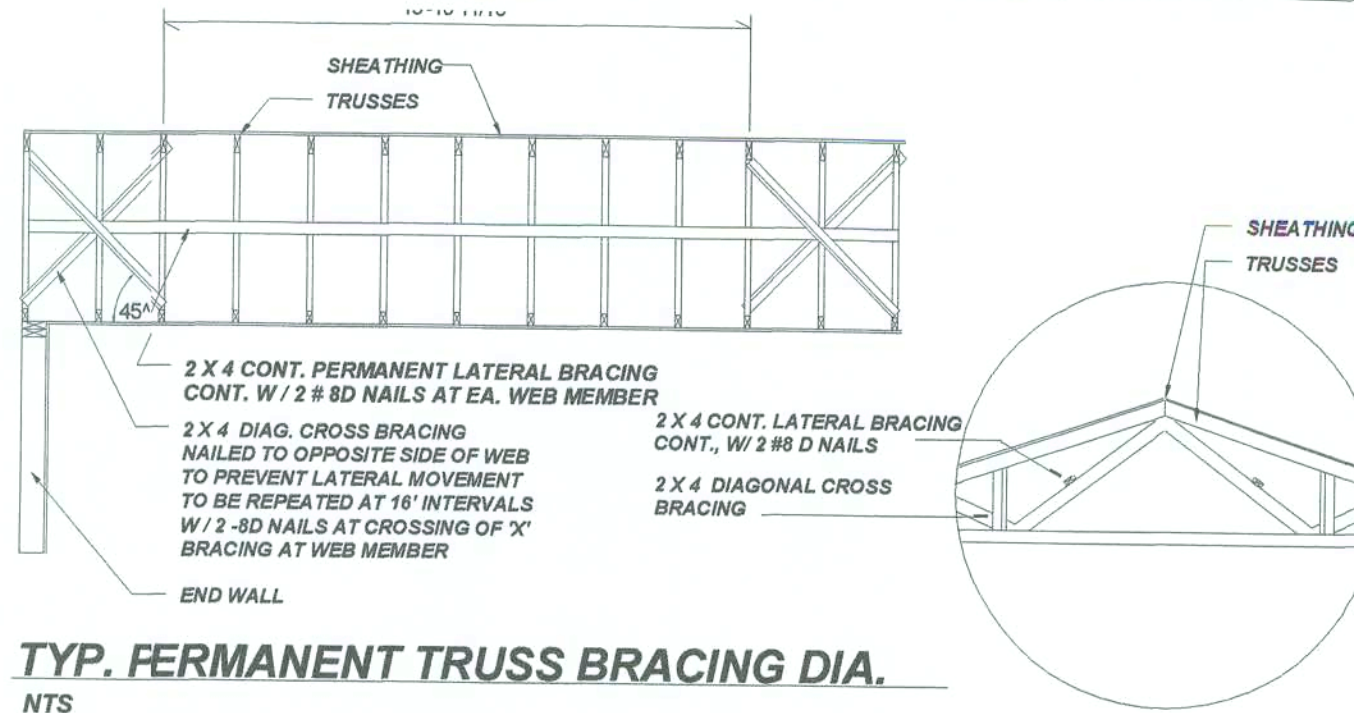


END (TOP OR BOTTOM)

Girder Truss Column DET.

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

B



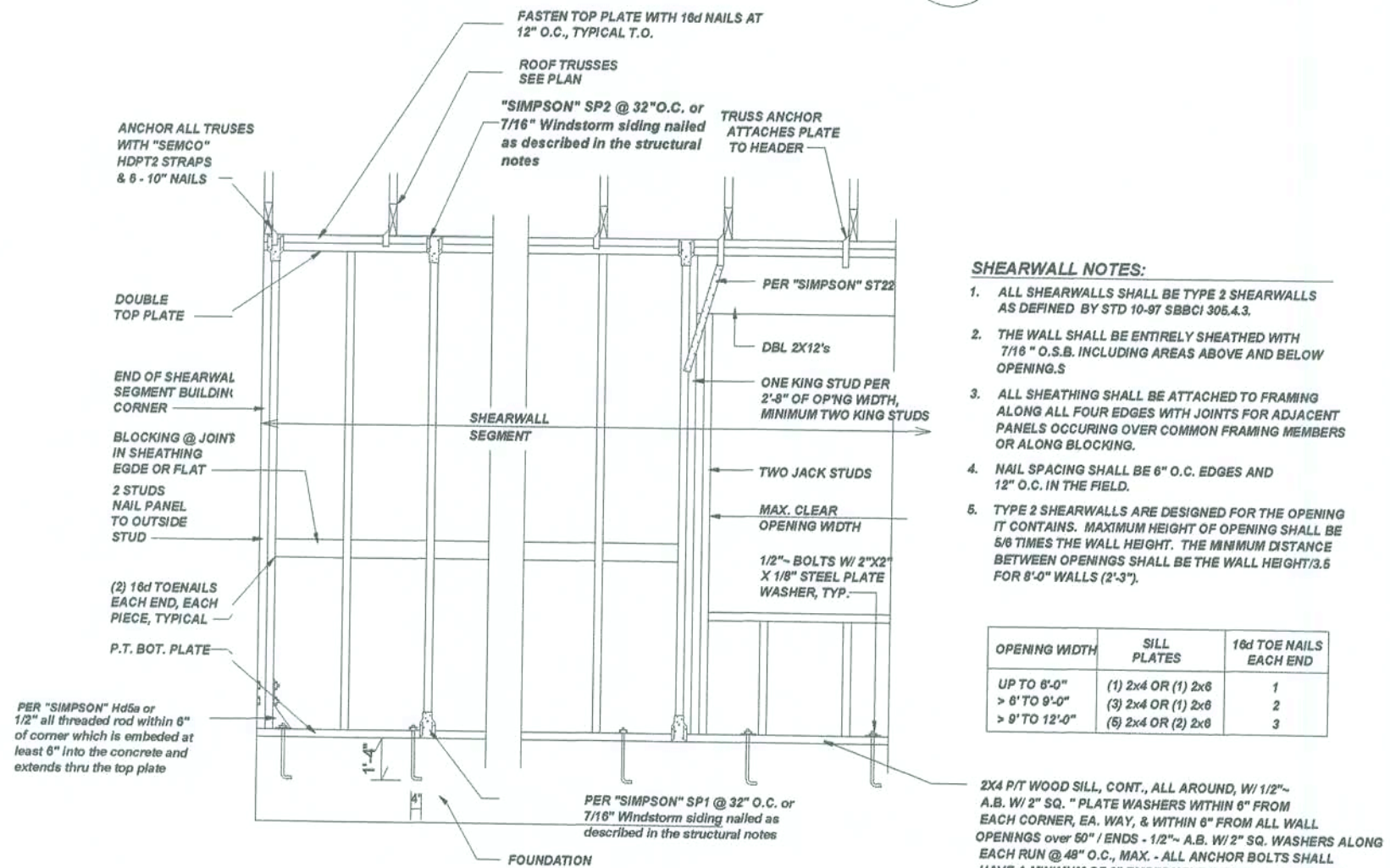
TYP. PERMANENT TRUSS BRACING DIA. NTS

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

Truss Bracing DETAILS

SCALE: AS NOTED

C



SHEARWALL NOTES:

- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-97 SBBICI 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 5/8 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 FOR 6'-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

D

NOTE!
4" SMOOTH STEEL TROWLED CONC. SLAB, W/ FIBERMESH REINFORCING, OVER 6 MIL PLASTIC SHEETING, ON CLEAN, WELL COMPACTED SAND FILL, TERIITE TREATED. LAP EDGES OF UMIL VAPOR BARRIER MIN. 6" - SEAL ALL JOINTS, TEARS AND PIPING PENETRATIONS WITH DUCT 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:

DATE: npg

DATE: 20AUG2K3
DATE: 2K343

STONEHENGE LOT P2-20
BY: DONNY WILLIAMS CONSTRUCTION
COLUMBIA COUNTY, FLORIDA

NICHOLAS PAUL GEISLER ARCHITECT
1188 NW Brown Road
Lake City, FL 32055

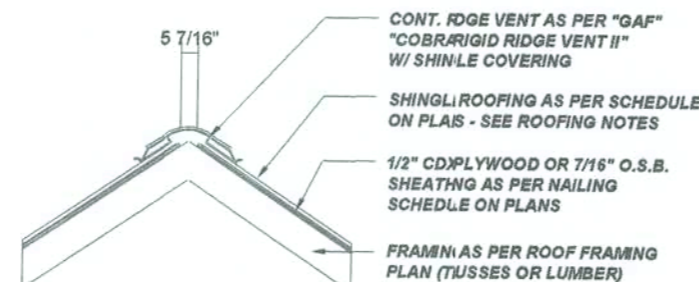
23 June 2003
AR0007005

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

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

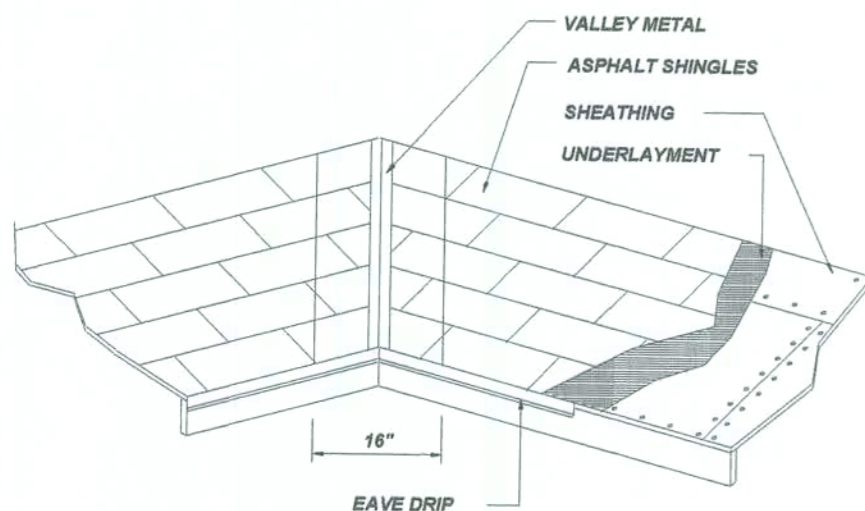


MAMI/DADE PRODUCT APPROVAL REPORT: #98-0713.6

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 FROM 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 PLYS 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 OF 6

REVISION:

DRAWN: npg

DATE: 20AUG20K3
COMME: 2K343

STONEHENGE LOT P2-20
BY: DONNY WILLIAMS CONSTRUCTION
COLUMBIA COUNTY, FLORIDA

NICHOLAS PAUL GEISLER ARCHITECT
1159 NW Brown Road
Lake City, FL 32855

Handwritten signature and date: 23 June 2004
A4R0007005

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.	ERIES 450	-
3030	SINGLE HUNG ALUM. SASH W/ INSUL. GLASS	1" ROOFING NAILS - 3 PER FLANGE, MAX. 18" O.C.	ERIES 450	-
3050	SINGLE HUNG ALUM. SASH W/ INSUL. GLASS	1" ROOFING NAILS - 4 PER FLANGE, MAX. 18" O.C.	ERIES 450	-
4050	SINGLE HUNG ALUM. SASH W/ INSUL. GLASS	1" ROOFING NAILS - 4 PER FLANGE, MAX. 18" O.C.	ERIES 450	-
2-3050	SINGLE HUNG ALUM. SASH W/ INSUL. GLASS	5 - 1" ROOFING NAILS EA. FLANGE - MAX. 18" O.C.	ERIES 450	-
30 FAN	FIXED ALUM. SASH W/ INSUL. GLASS	6 - 1" ROOFING NAILS	ERIES 450	N1
8068	ALUM. SASH SLIDING GL. DOOR W/ INSUL. GLASS	5 - 3/16" TAPCON SILL/HEAD, 4 - 3/16" TAPCON JAMB	ERIES 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 !!!

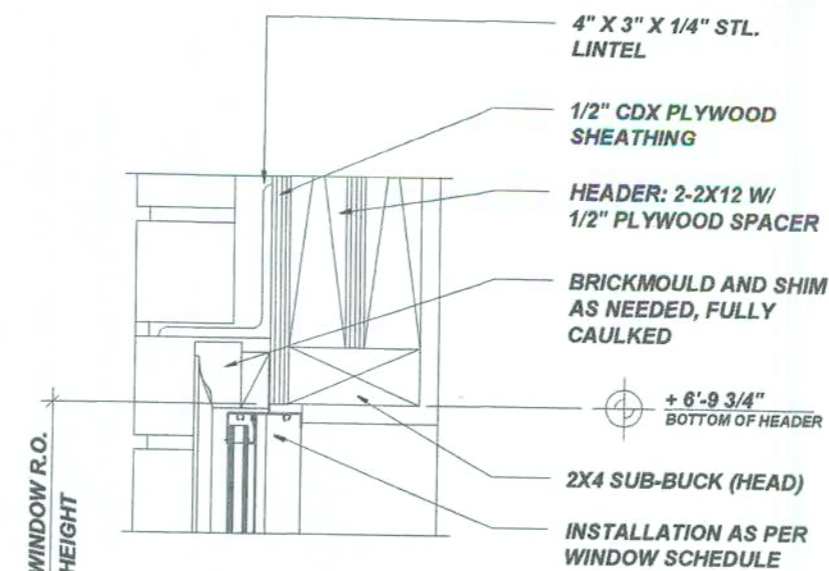
EXTERIOR DOORS SHALL MEET OR EXCEED THE WIND RESISTANCE OF THE FOLLOWING PRODUCT:

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

NOTE !!!

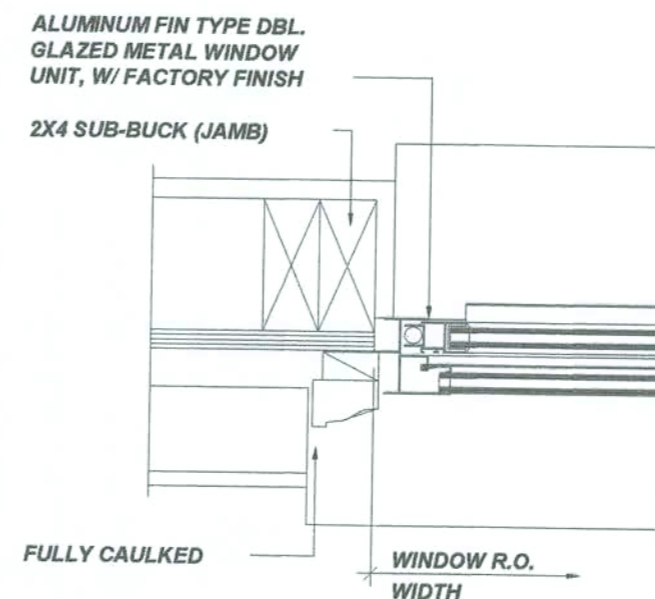
WINDOW ASSEMBLIES SHALL MEET OR EXCEED THE WIND RESISTANCE OF THE FOLLOWING PRODUCT:

"MI HOME PRODUCTS, INC." SERIES 450/65 ALUMINUM WINDOWS, SINGLE HUNG, 1, 2 & 3 MULLED JNITS, PICTURE WINDOWS & SLIDING GLASS DOORS PER ASTM E 283, ASTM E 330 & ASTM E 547



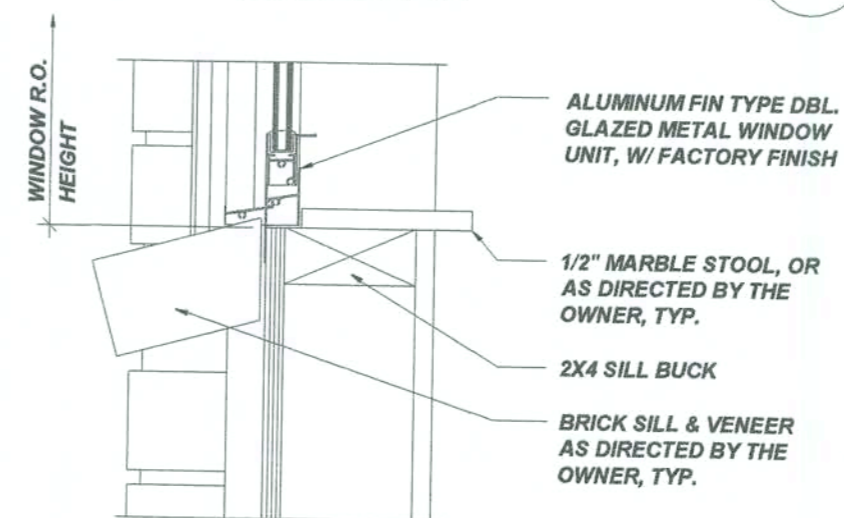
**HEAD DETAIL
MTL. SASH**

1



**JAMB DETAILS
MTL. SASH**

2



**SILL DETAIL
MTL. SASH**

3

Typ. Window DET'S

SCALE: 3" = 1'-0"

A

SHEET: **SD 5**
5 OF **6**

REVISION:

DRAWN: *mpg*

DATE: 20AUG2K3
 COMM: 2K343

STONEHENGE LOT P2-20
 BY: DONNY WILLIAMS CONSTRUCTION
 COLUMBIA COUNTY, FLORIDA

NG

NICHOLAS PAUL GEISLER
 ARCHITECT

1189 N.W. 82nd Road
 Lake City, FL 32055

23 Jun 2004

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.

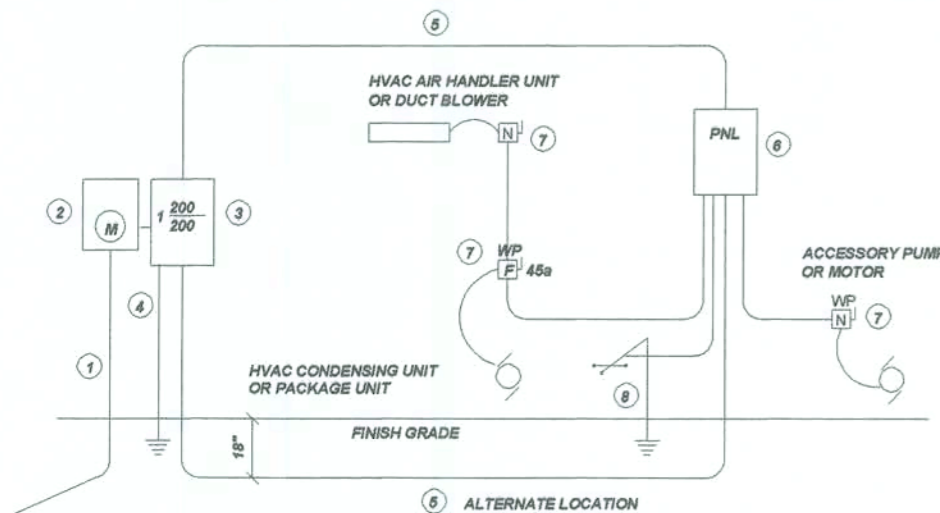
TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

ELECTRICAL CONTR 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

Ⓢ	SPST WALL SWITCH
Ⓢ	DPDT WALL SWITCH (3-WA)
Ⓢ	DUPLEX WALL RECEPTACE
Ⓢ	DUPLEX WALL RECEPT., BEDW COUNTER
Ⓢ	240V OUTLET
Ⓢ	GND FAULT INTERRUPTER UPLEX RECEPT.
Ⓢ	WEATHER PROOF GFI DUPEX RECEPT.
Ⓢ	DUPLEX WALL RECEPTACE, 1 SWITCHED
Ⓢ	MOTOR
Ⓢ	ELECTRICAL PANEL
Ⓢ	EXHAUST FAN
Ⓢ	DBL LAMP INC. FLOOD LIGT
Ⓢ	CEILING FAN, W/ INC. LIGHFIXTURE
Ⓢ	INC. LIGHT FIXTURE
Ⓢ	SMOKE DETECTOR, 120V
Ⓢ	4 TUBE FLU. PRISMATIC WRAP SURFACE FIXTURE
Ⓢ	CHIME
Ⓢ	MOMENTARY PUSHBUTTOISWITCH, LIGHTED
Ⓢ	SWITCH/FIXTURE WIRING
Ⓢ	CONTROL WIRE - LOW VOL 1 AGE
Ⓢ	NON-FUSED DISC. SWITCH
Ⓢ	TELEPHONE
Ⓢ	TELEVISION OUTLET
Ⓢ	HVAC THERMOSTAT, @ 60°F



- 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: 1" 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. Listed, 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 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	
<hr/>		
Sub-Total	14721.0w	
1st 3KW @ 100%		3000.0w
Bal. of KW @ 35%		4102.4w
<hr/>		
Fixed Appliances:		
Refrigerator	1200.0w	
Cig. 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	
<hr/>		
Sub-Total	17600.0w	
Load @ 75% D.F.		13200.0w
<hr/>		
100% Demand Factor Loads:		
Dryer	5000.0w	
Range	8000.0w	
HVAC System (10.0kw Strip Heat)	10000.0w	
<hr/>		
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

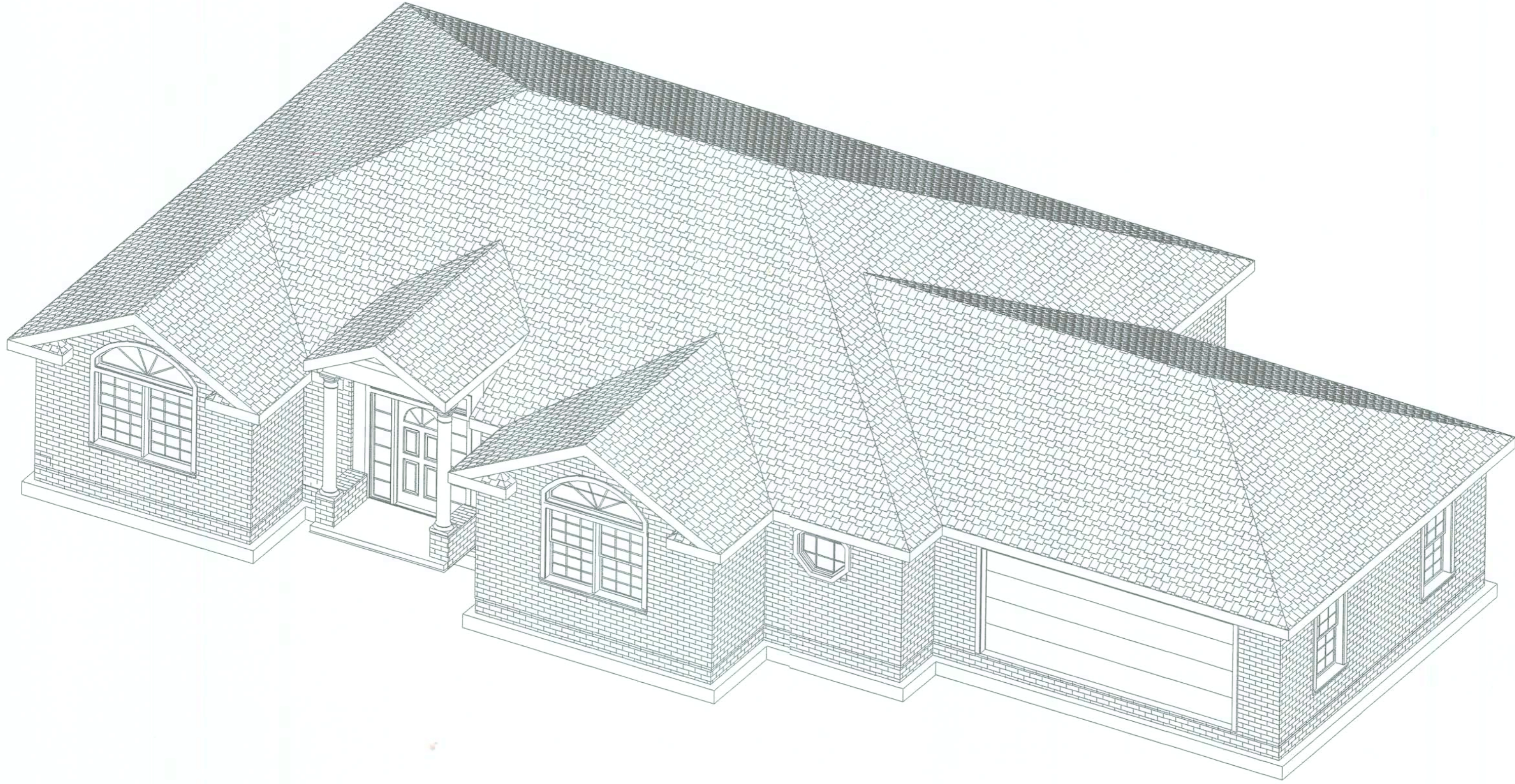
TOTAL CONNECTED LOAD: 53821W

SHEET: SD 6 6
REVISION: npg
DATE: 20AUG20K3
DRAWN: npg
COMM: 2K343

STONEHENGE LOT P2-20
BY: DONNY WILLIAMS CONSTRUCTION
COLUMBIA COUNTY, FLORIDA

NICHOLAS PAUL GEISLER ARCHITECT
1115 11th Street, Road
Largo, FL 33055

23 June 2024
AR0007005



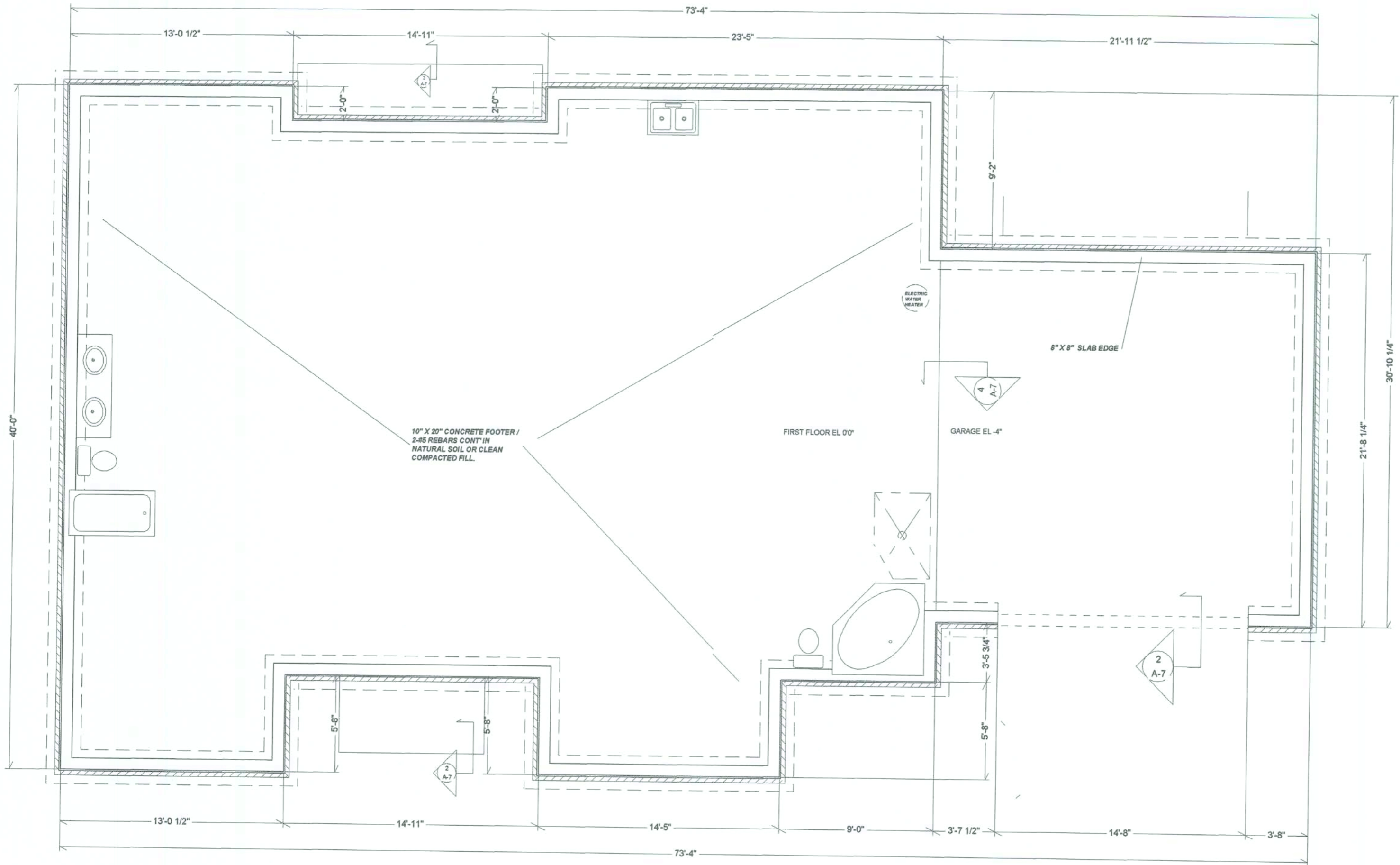
*AM 7005
23 June 2006*

PAGE

1 OF 12

PROJECT
SPEC. HOUSE 1.1
LOT # P2-20
STONEHENGE PHASE #2

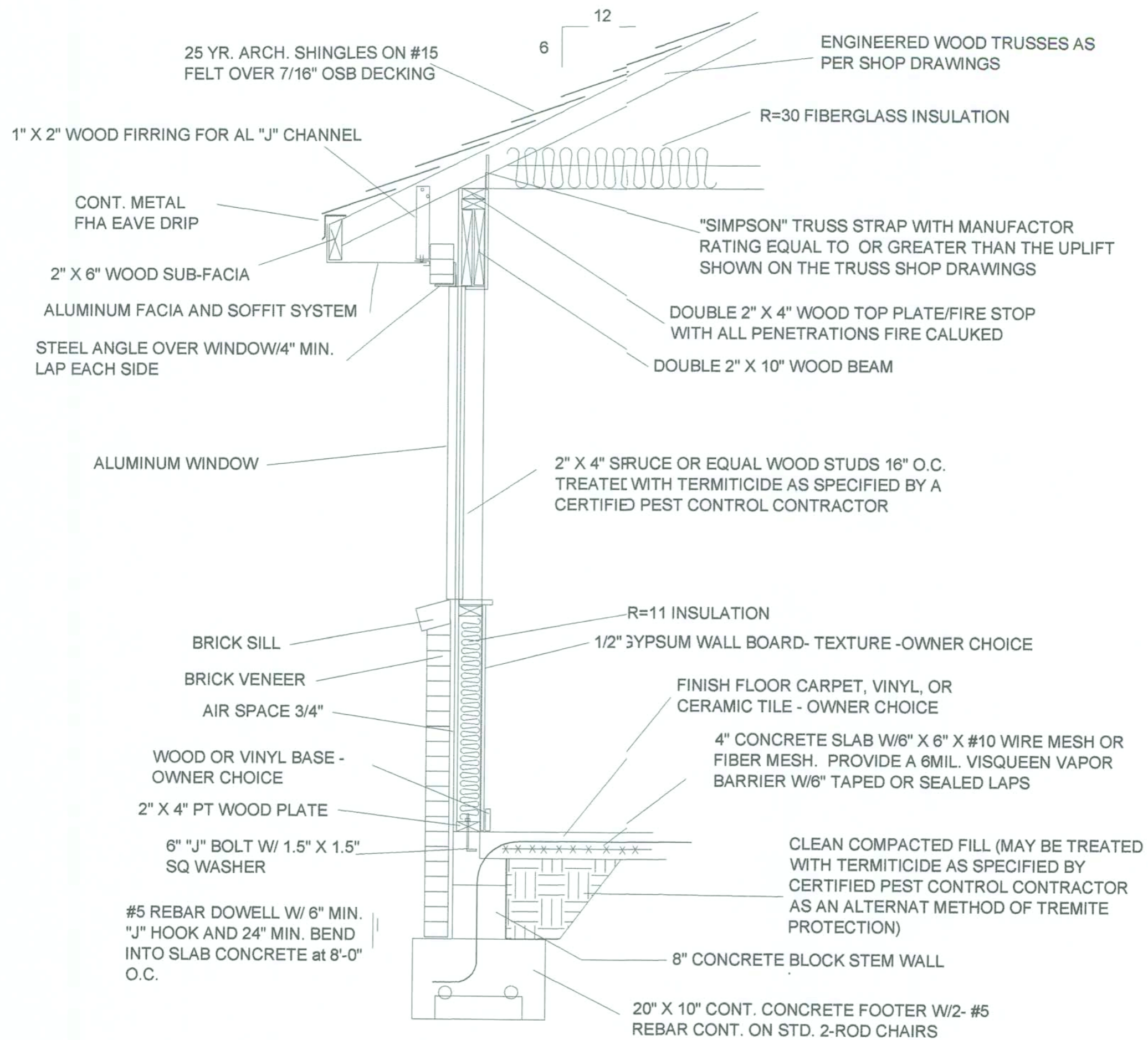
DONNY WILLIAMS CONSTRUCTION
541 SW AIRPARK GLEN
LAKE CITY, FL 32025 DATE: 6-21-06



FOUNDATION PLAN

M
 APPROVED
 23 June 2006

<p>PAGE 3 OF 12</p>	<p>PROJECT SPEC. HOUSE 1.1 LOT # P2-20 STONEHENGE PHASE #2</p>	<p>DONNY WILLIAMS CONSTRUCTION 541 SW AIRPARK GLEN LAKE CITY, FL 32025 DATE: 6-21-06</p>
---	--	--



TYPICAL WALL SECTION

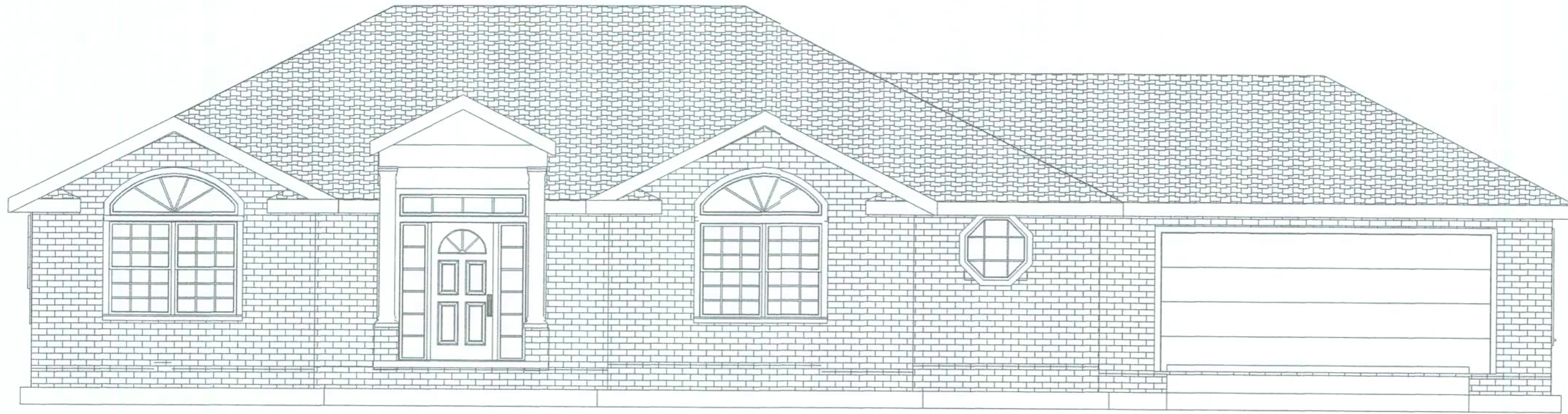
SCALE 3/4" = 1"-0"

Handwritten signature and date:
 02/05
 23 Jun 2006

DONNY WILLIAMS CONSTRUCTION
541 SW AIRPARK GLEN
LAKE CITY, FL 32025 **DATE: 6-21-06**

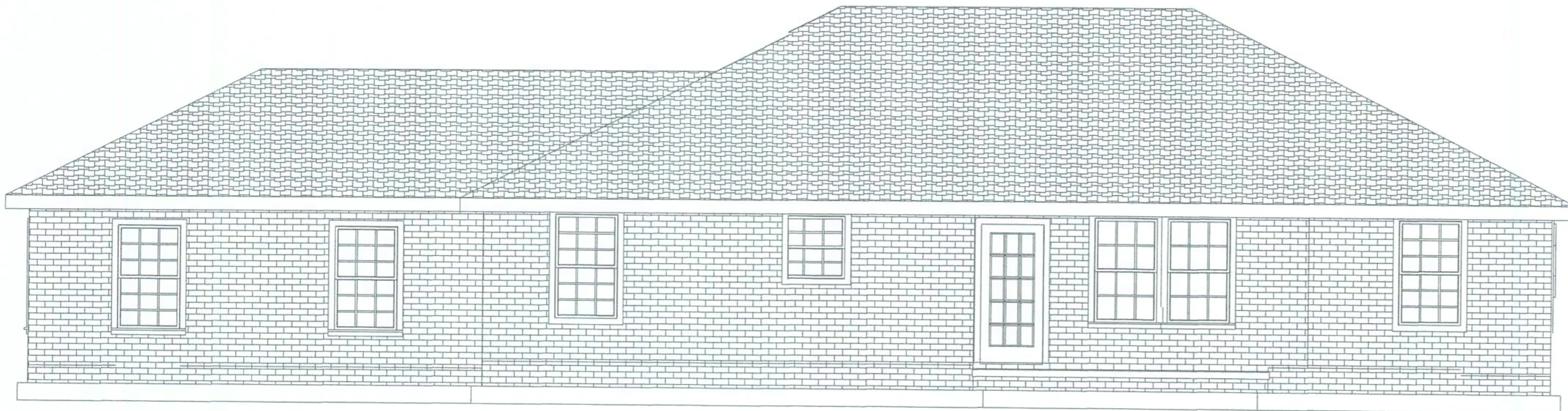
PROJECT
SPEC. HOUSE 1.1
LOT # P2-20
STONEHENGE PHASE #2

PAGE
4 OF 12



SCALE 1/8" = 1'-0"

FRONT ELEVATION



SCALE 1/8" = 1'-0"

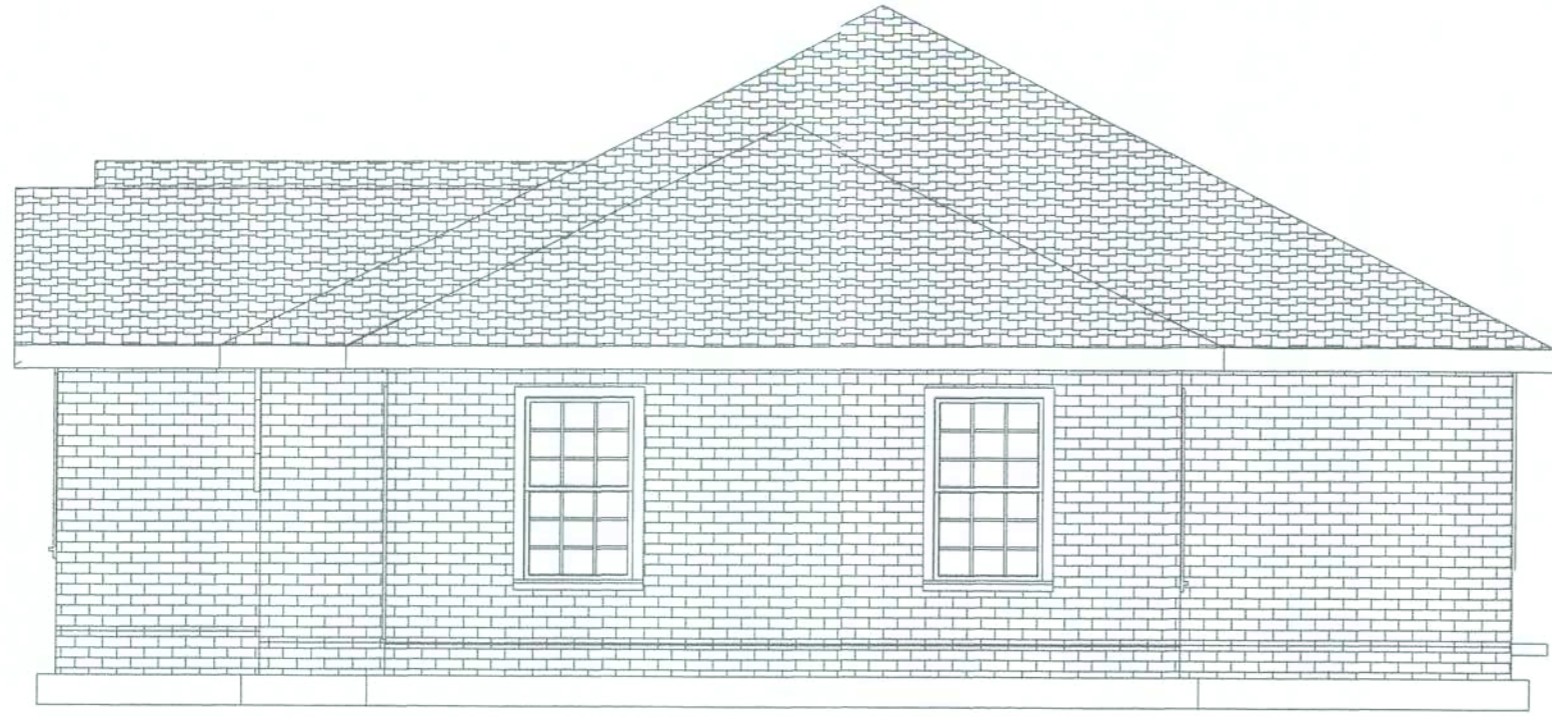
REAR ELEVATION

DONNY WILLIAMS CONSTRUCTION
541 SW AIRPARK GLEN
LAKE CITY, FL 32025 **DATE: 6-21-06**

PROJECT
SPEC. HOUSE 1.1
LOT # P2-20
STONEHENGE PHASE #2

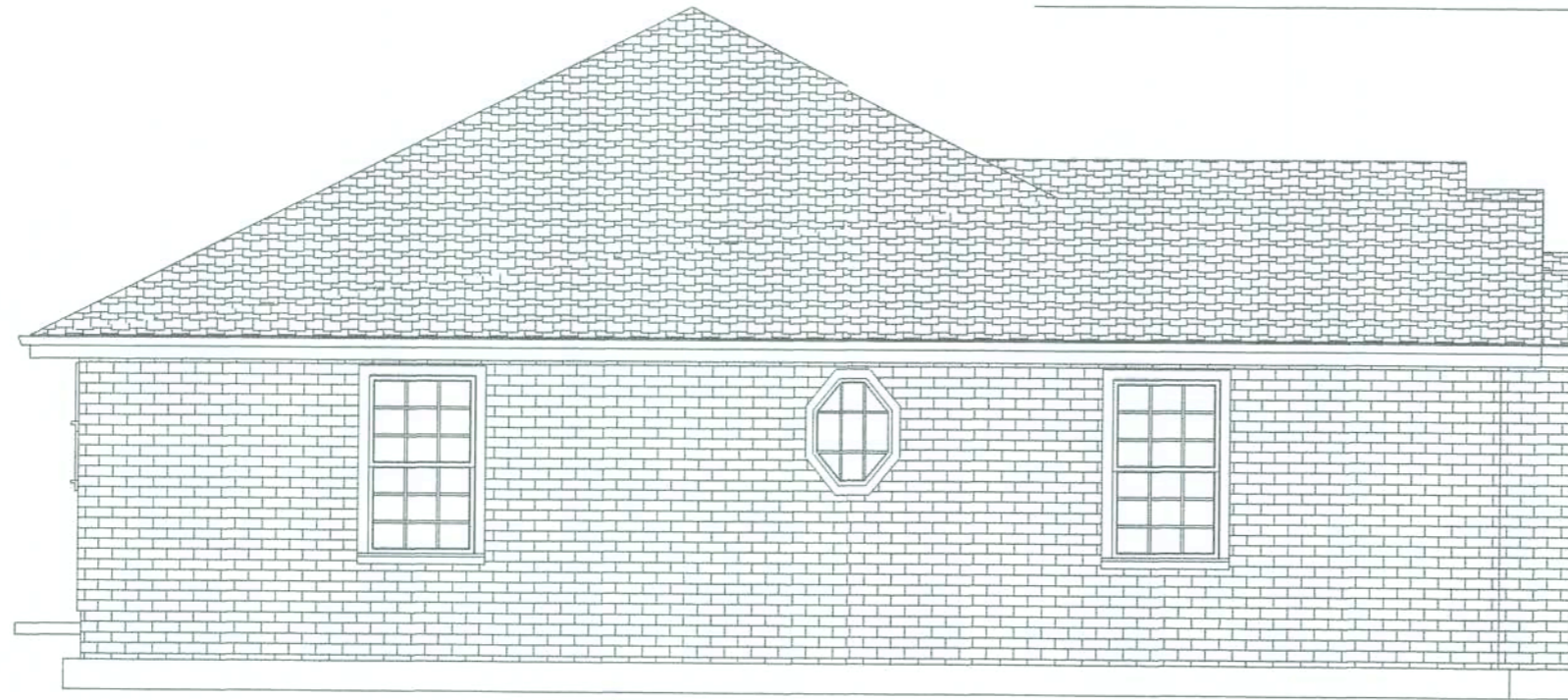
PAGE
5 OF 12

DD
11/20/05
2/2/2006



SCALE 1/8" = 1'-0"

RIGHT ELEVATION



SCALE 1/8" = 1'-0"

LEFT ELEVATION

8'-11 3/4"

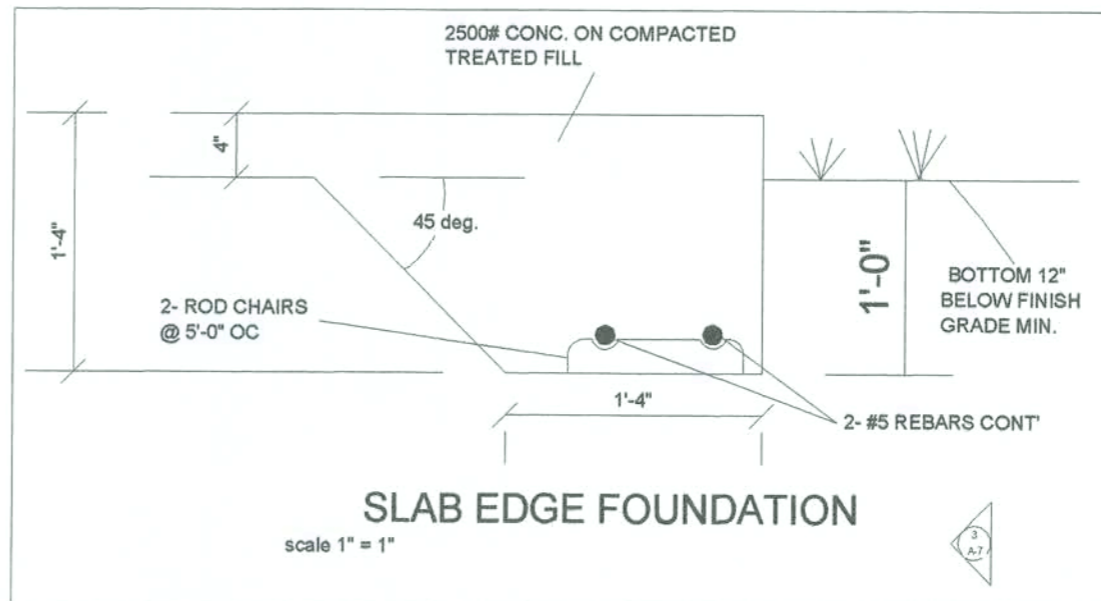
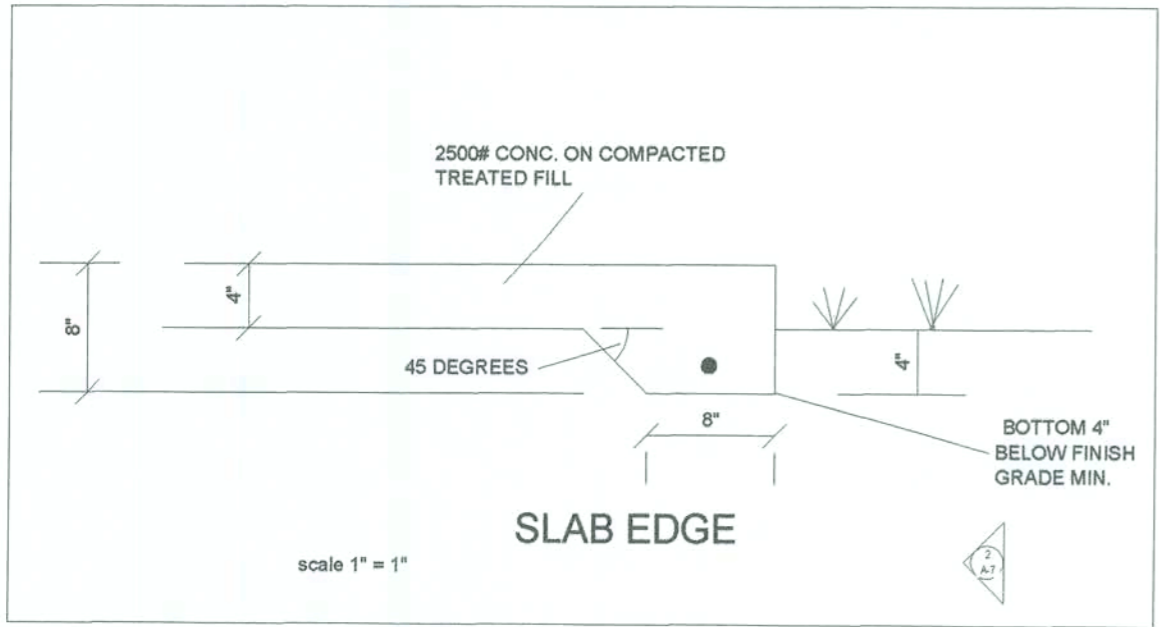
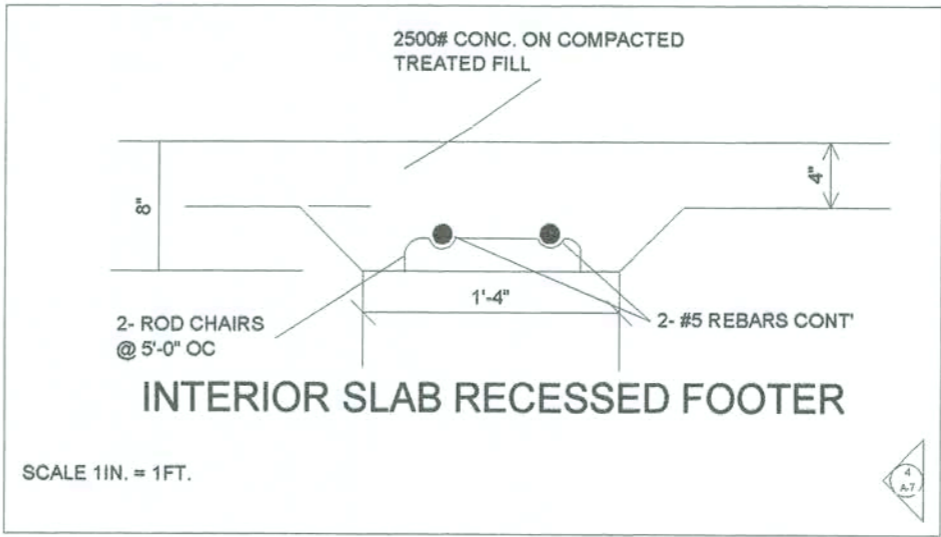
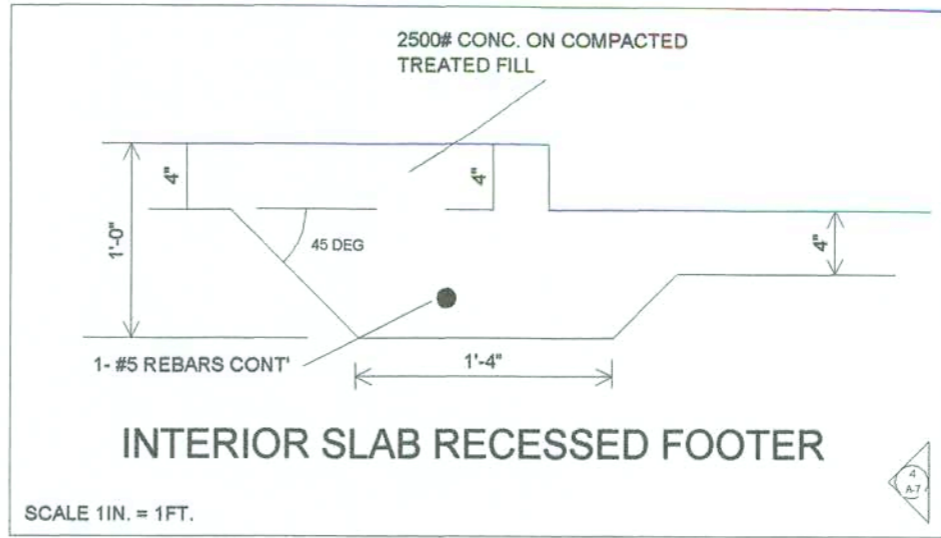
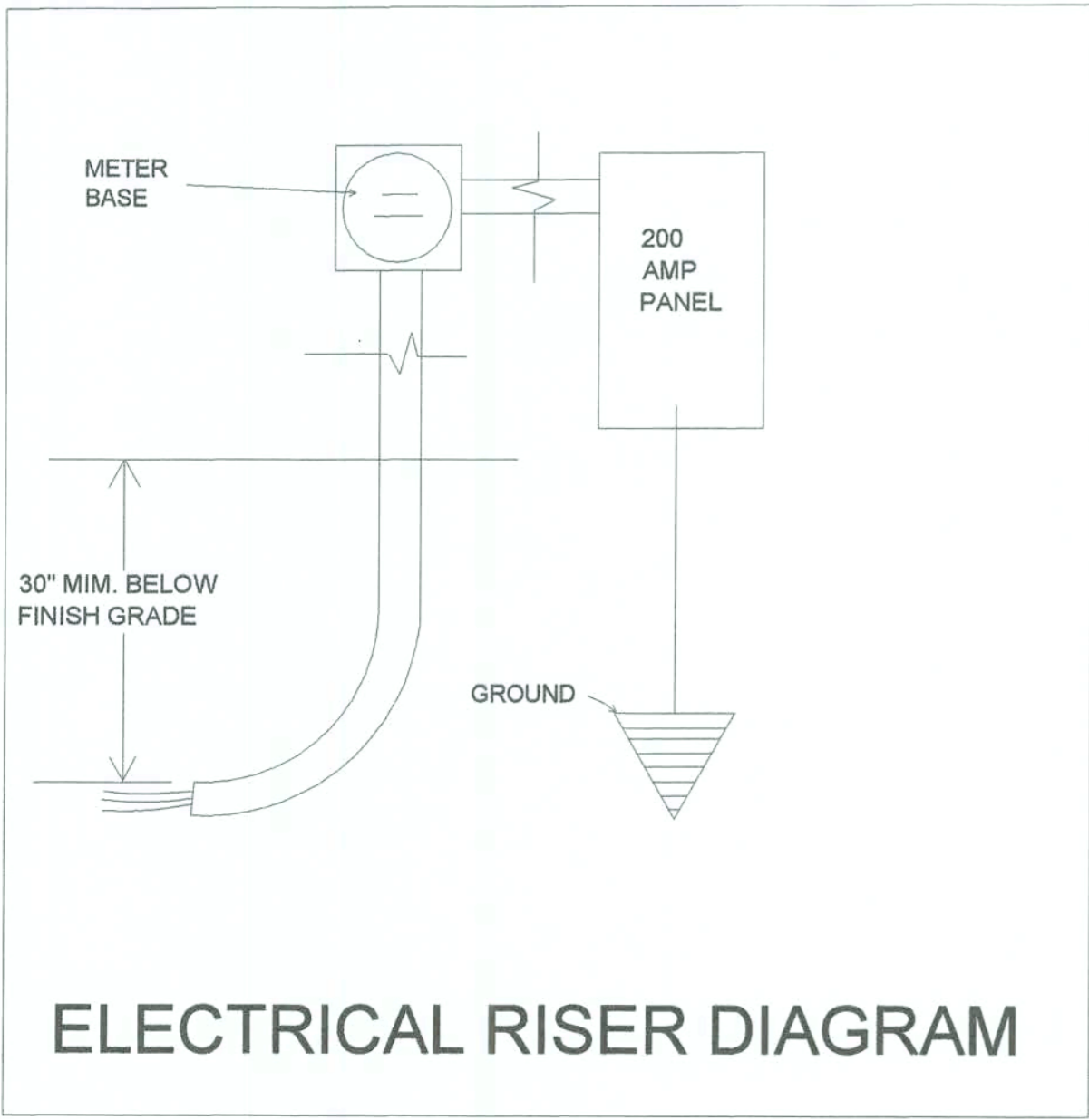
8'-1 1/8"

AD 2
23 June 2004
AR27005

DONNY WILLIAMS CONSTRUCTION
541 SW AIRPARK GLEN
LAKE CITY, FL 32025 **DATE: 6-21-06**

PROJECT
SPEC. HOUSE 1.1
LOT # P2-20
STONEHENGE PHASE #2

PAGE
6 OF 12



Handwritten notes:
 022
 PR-7085
 23 Jun 2006

DONNY WILLIAMS CONSTRUCTION
541 SW AIRPARK GLEN
LAKE CITY, FL 32025 **DATE: 6-21-06**

PROJECT
SPEC. HOUSE 1.1
LOT # P2-20
STONEHENGE PHASE #2

PAGE
7 OF 12

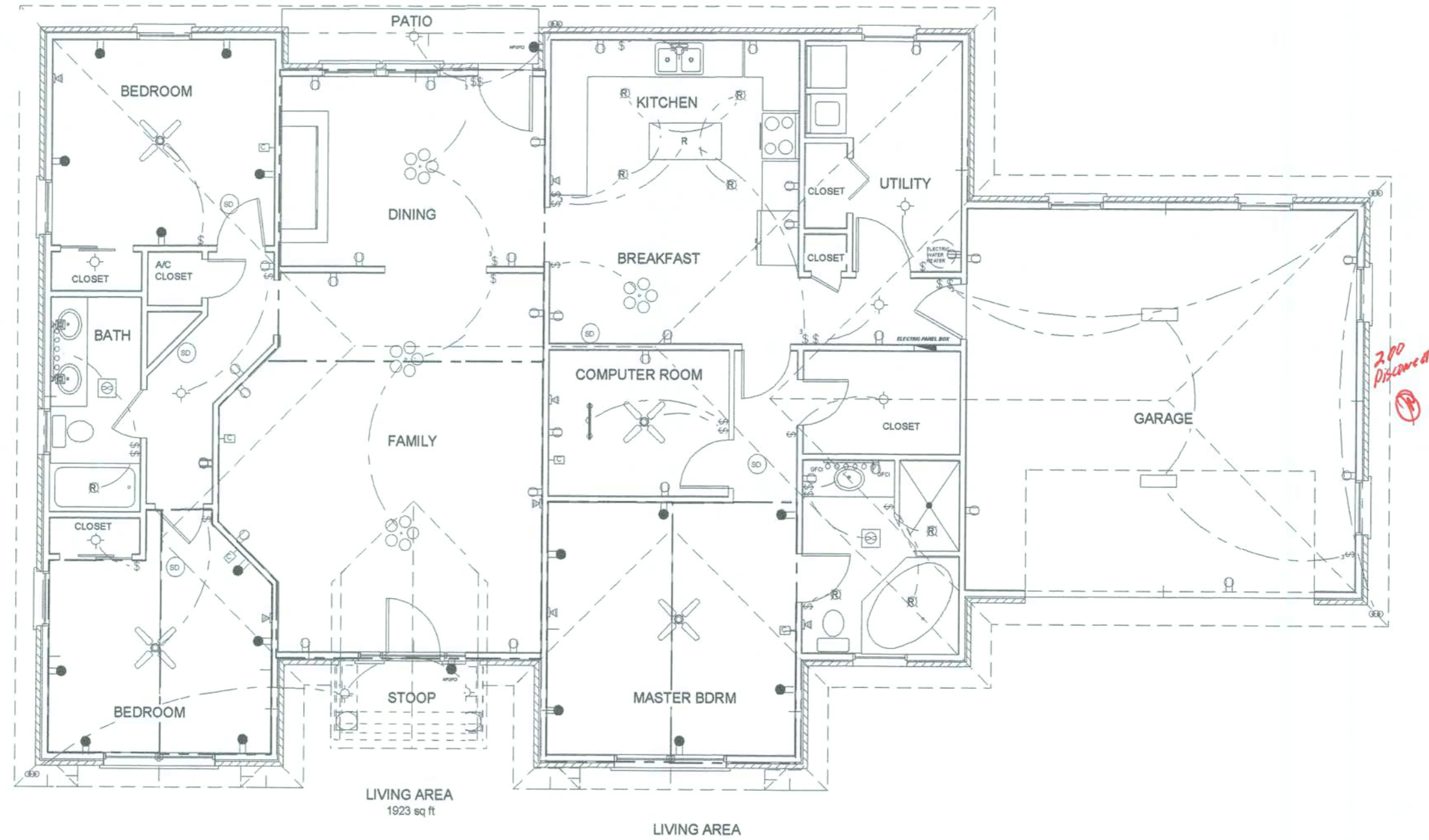
ELECTRICAL SYMBOL LEGEND

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.

NOTE: All bedroom receptacles shall be arc fault circuit interrupter. (AFCI)



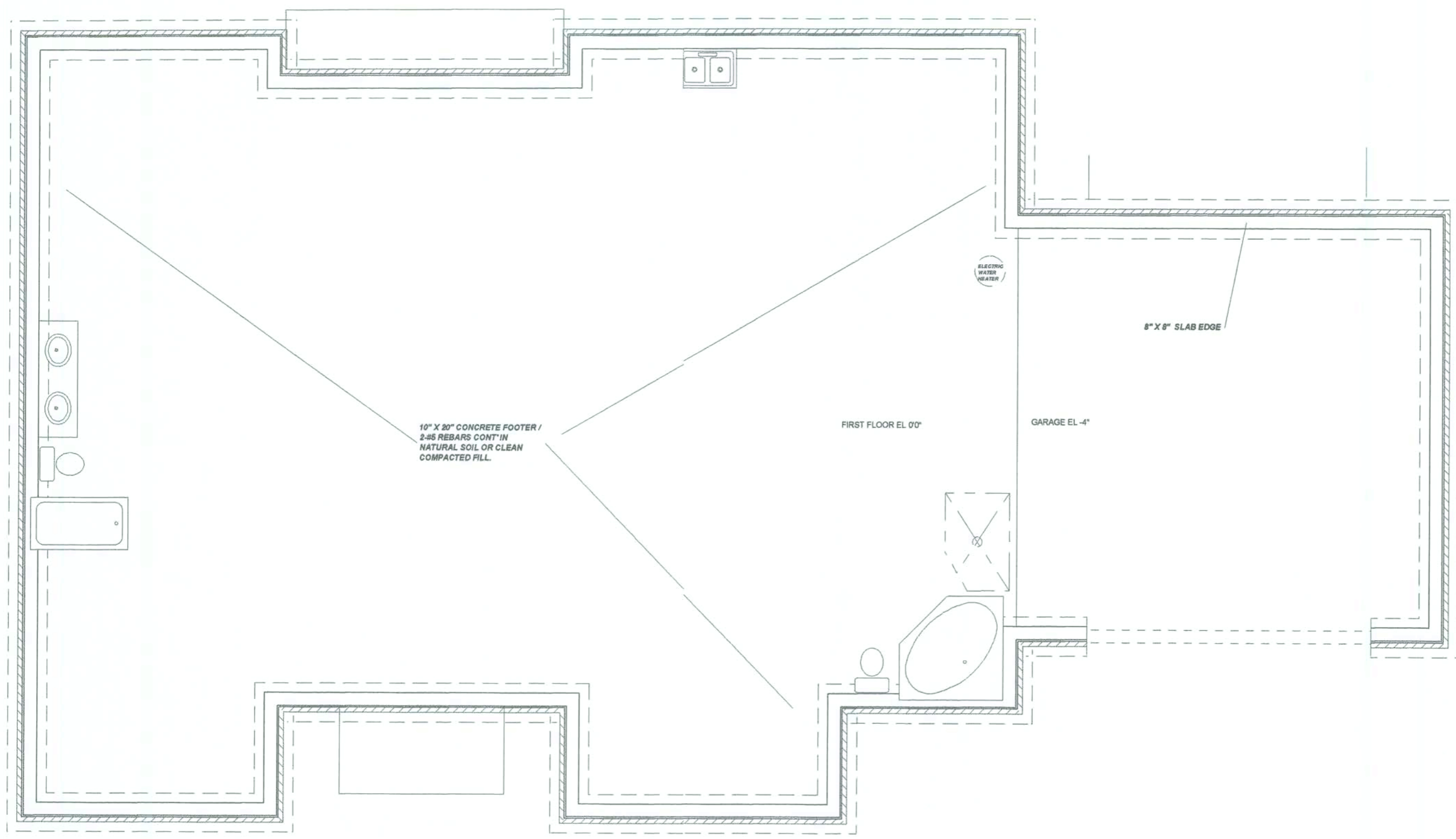
ELECTRICAL LAYOUT

DONNY WILLIAMS CONSTRUCTION
541 SW AIRPARK GLEN
LAKE CITY, FL 32025 **DATE: 6-21-06**

PROJECT
SPEC. HOUSE 1.1
LOT # P2-20
STONEHENGE PHASE #2

PAGE
8 OF 12

*Mr 7005
 23 Jun 2006*



PLUMBING LAYOUT

Handwritten notes:
 1722
 11/27/05
 23 June 2006

LIVING AREA
 2368 sq ft

10" X 20" CONCRETE FOOTER /
 2-#6 REBARS CONT' IN
 NATURAL SOIL OR CLEAN
 COMPACTED FILL.

FIRST FLOOR EL. 0'0"

GARAGE EL. -4"

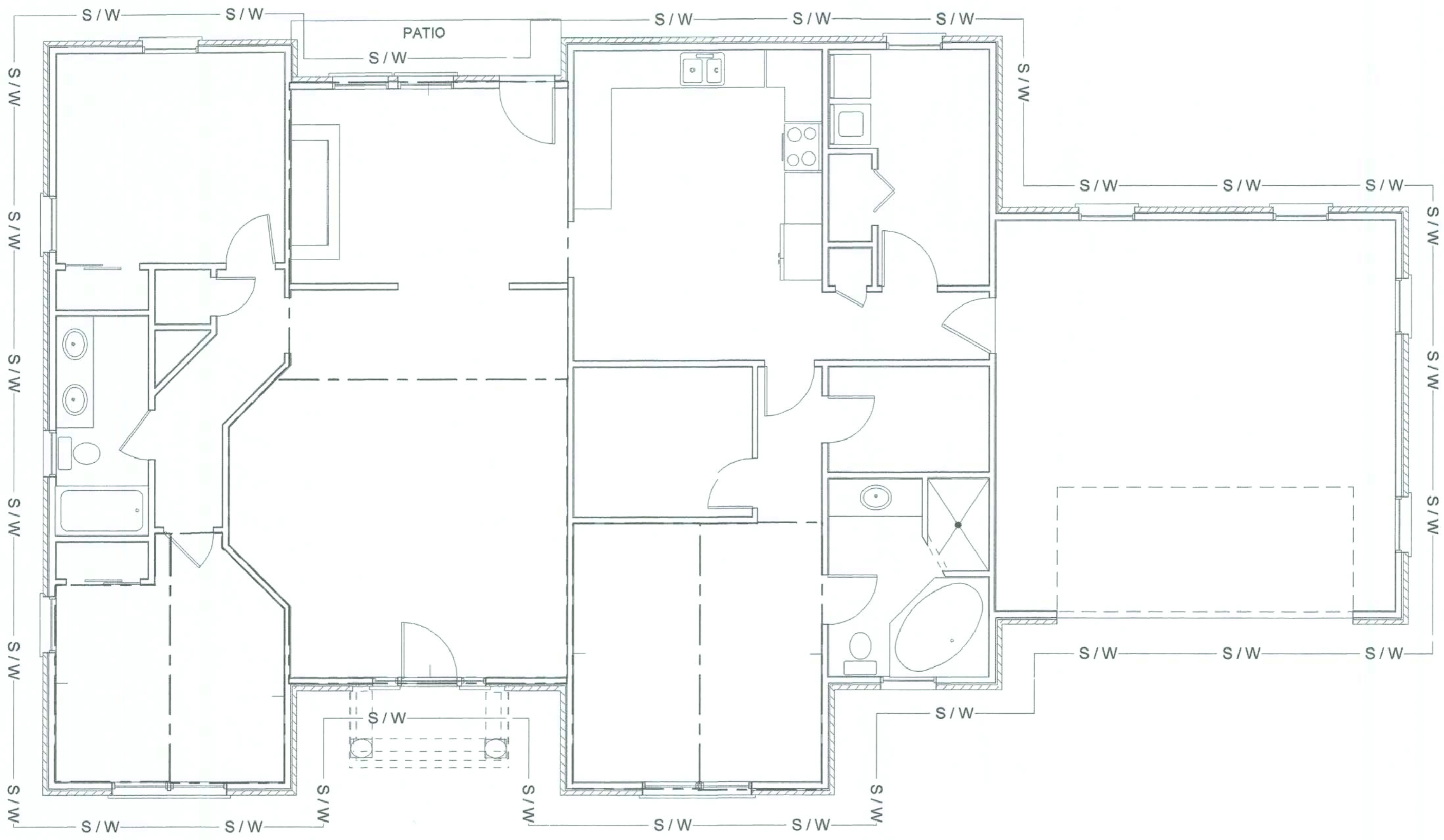
8" X 8" SLAB EDGE

ELECTRIC
 WATER
 HEATER

DONNY WILLIAMS CONSTRUCTION
541 SW AIRPARK GLEN
LAKE CITY, FL 32025 **DATE: 6-21-06**

PROJECT
SPEC. HOUSE 1.1
LOT # P2-20
STONEHENGE PHASE #2

PAGE
9 OF 12



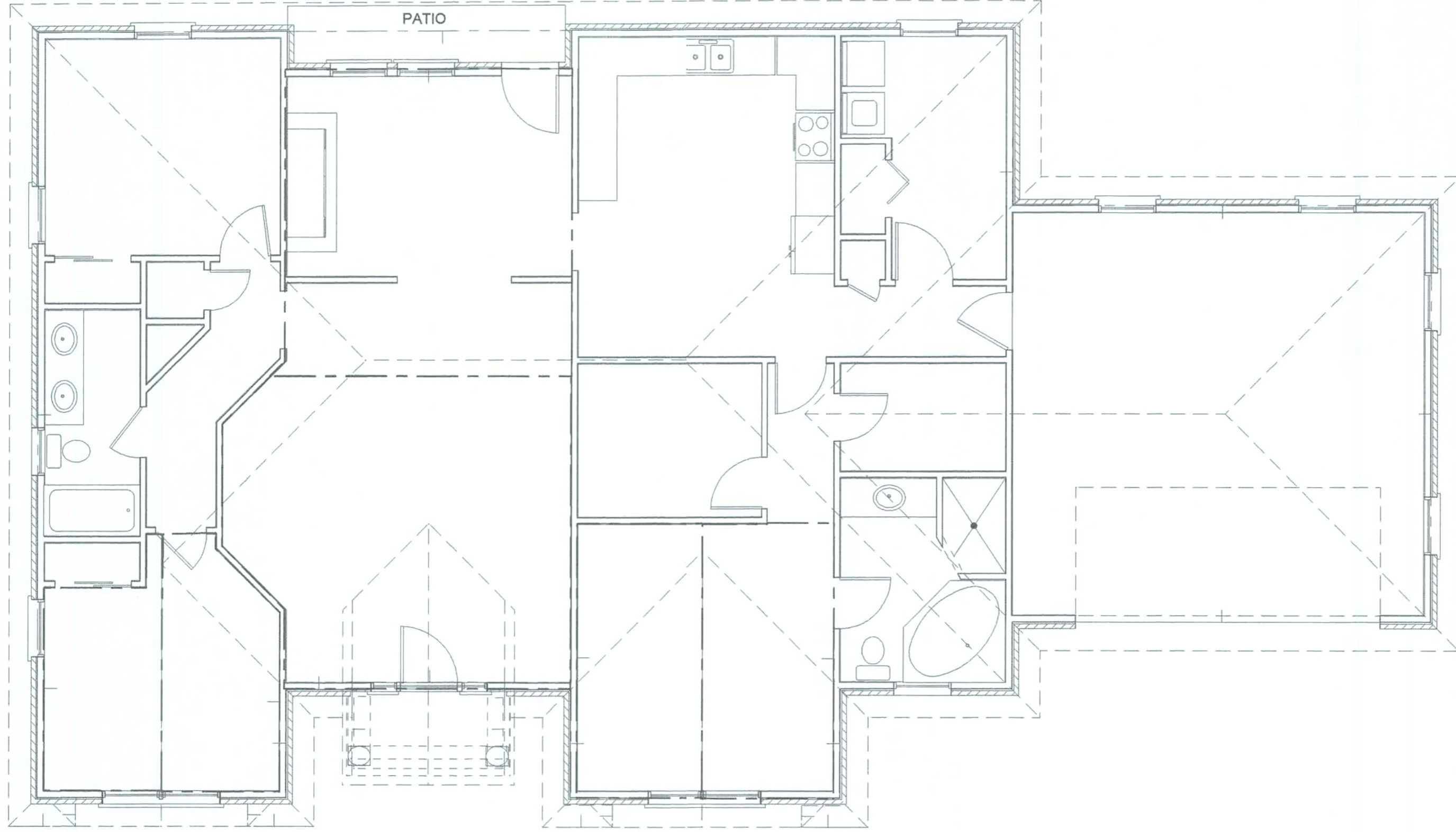
SHEAR WALL LOCATIONS & CUSTOM CEILINGS

Handwritten signature and date:
 [Signature]
 REC 7005
 23 Jun 2006

DONNY WILLIAMS CONSTRUCTION
541 SW AIRPARK GLEN
LAKE CITY, FL 32025 **DATE: 6-21-06**

PROJECT
SPEC. HOUSE 1.1
LOT # P2-20
STONEHENGE PHASE #2

PAGE
10 OF 12



ROOF PLAN

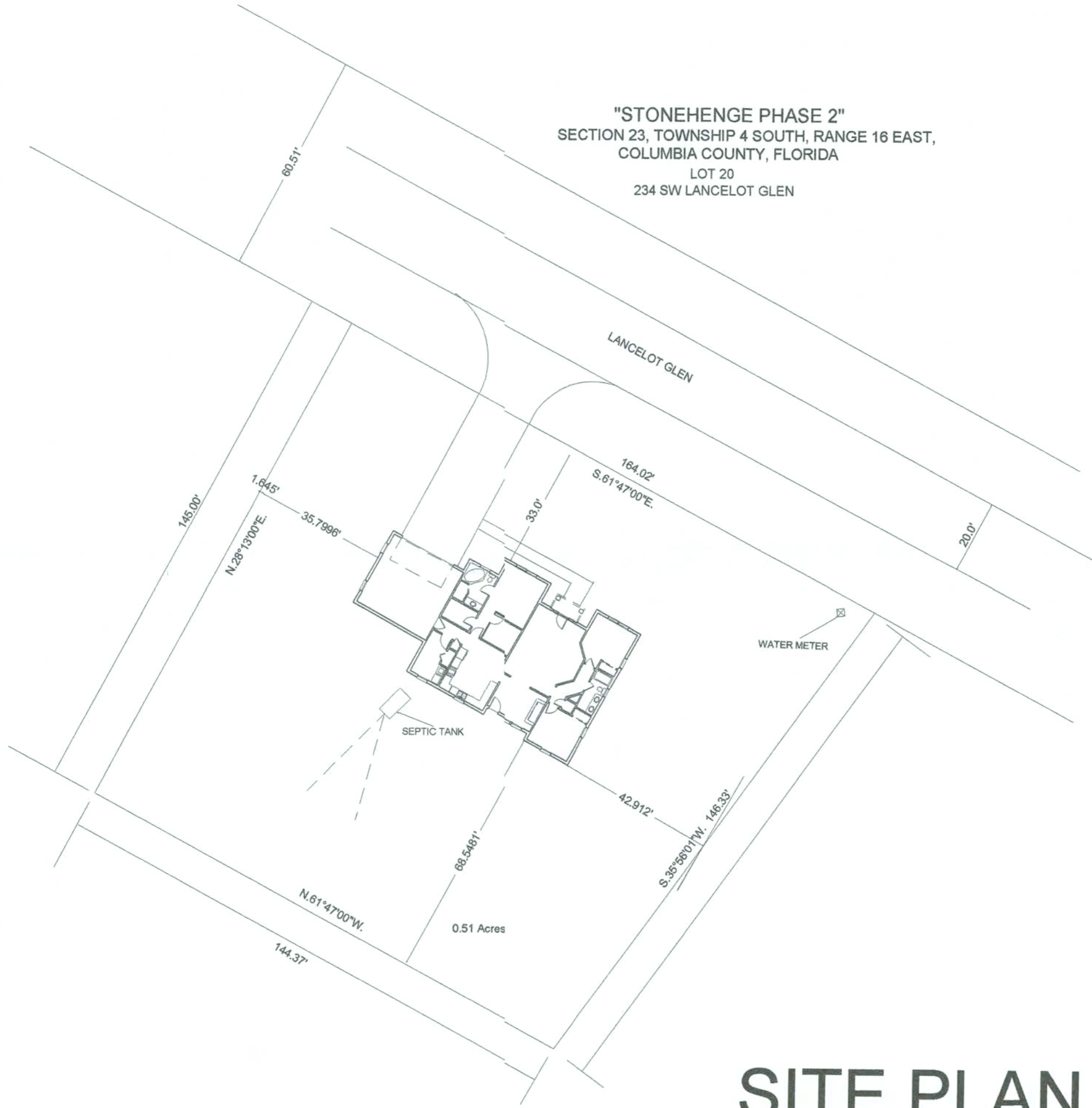
MW
APR 2005
23 June 2004

PAGE
11 OF 12

PROJECT
SPEC. HOUSE 1.1
LOT # P2-20
STONEHENGE PHASE #2

DONNY WILLIAMS CONSTRUCTION
541 SW AIRPARK GLEN
LAKE CITY, FL 32025
DATE: 6-21-06

= 1" = 20'



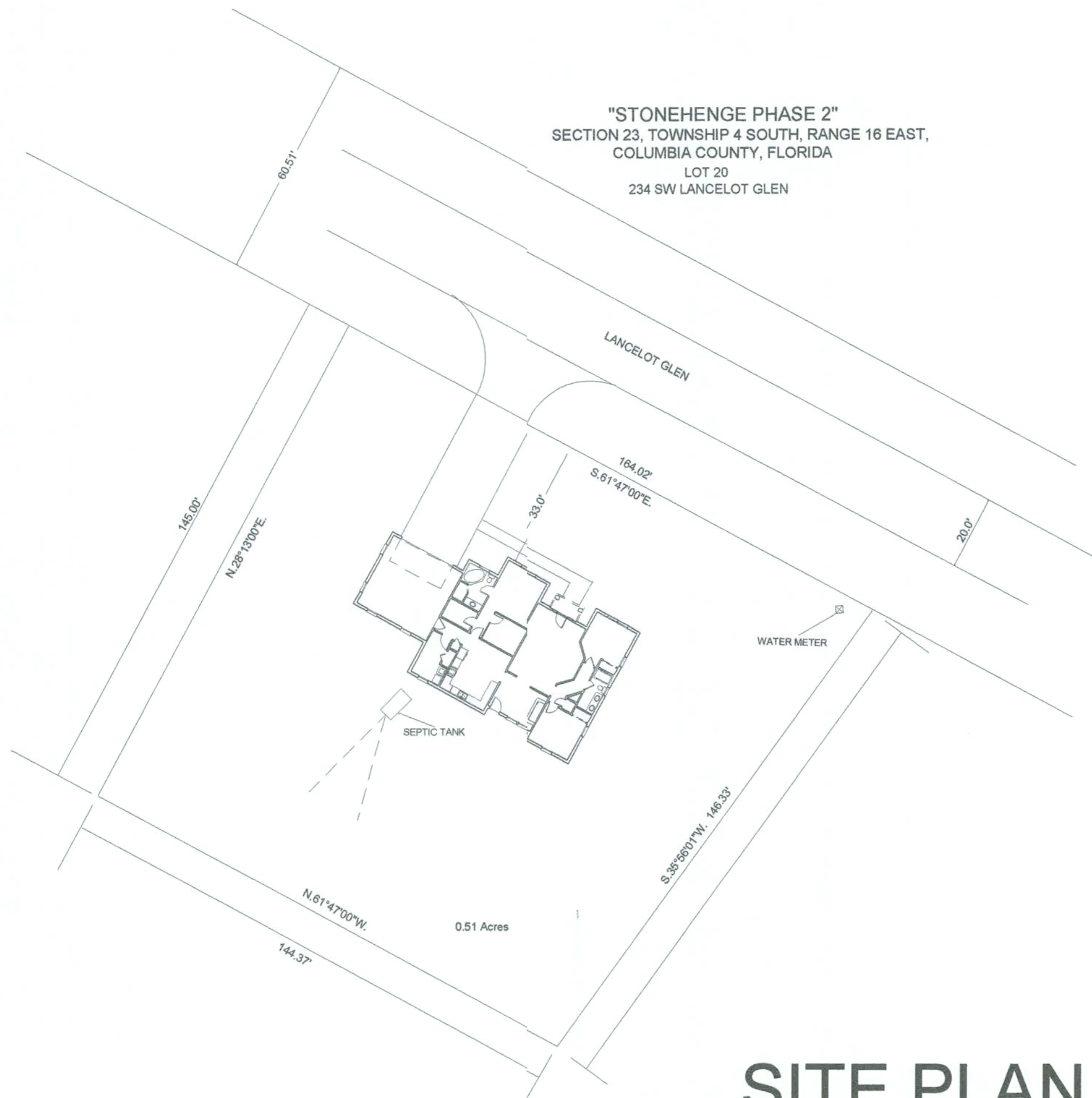
"STONEHENGE PHASE 2"
SECTION 23, TOWNSHIP 4 SOUTH, RANGE 16 EAST,
COLUMBIA COUNTY, FLORIDA
LOT 20
234 SW LANCELOT GLEN

SITE PLAN

PAGE
12 OF 12

PROJECT
SPEC. HOUSE 1.1
LOT # P2-20
STONEHENGE PHASE #2

DONNY WILLIAMS CONSTRUCTION
541 SW AIRPARK GLEN
LAKE CITY, FL 32025
DATE: 6-21-06



"STONEHENGE PHASE 2"
SECTION 23, TOWNSHIP 4 SOUTH, RANGE 16 EAST,
COLUMBIA COUNTY, FLORIDA
LOT 20
234 SW LANCELOT GLEN

SITE PLAN

Handwritten signature and date:
DZ
11/20/05
23 June 2006

PAGE

12 OF 12

PROJECT

SPEC. HOUSE 1.1

LOT # P2-20

STONEHENGE PHASE #2

DONNY WILLIAMS CONSTRUCTION

541 SW AIRPARK GLEN

LAKE CITY, FL 32025

DATE: 6-21-06