

Custom Home For:
SCOTT & JESSICA CASSIDY

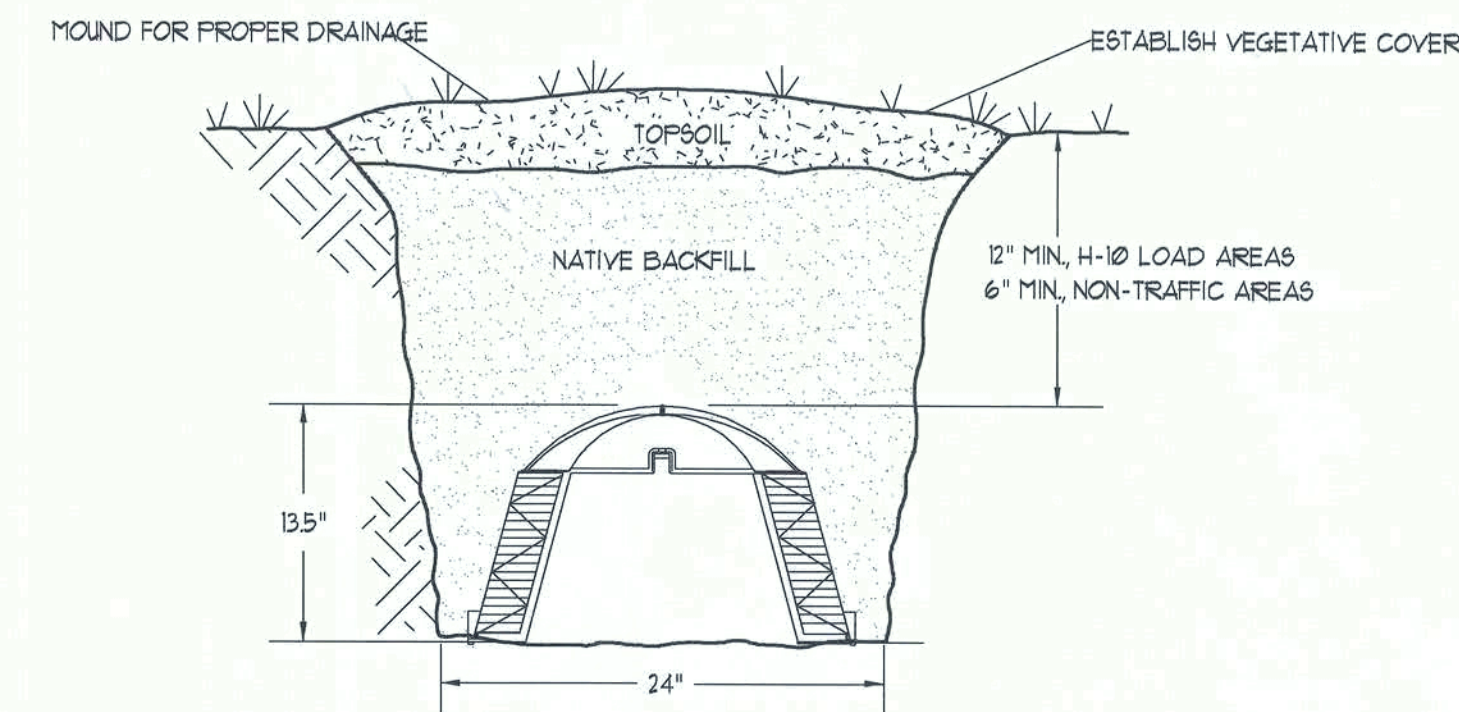
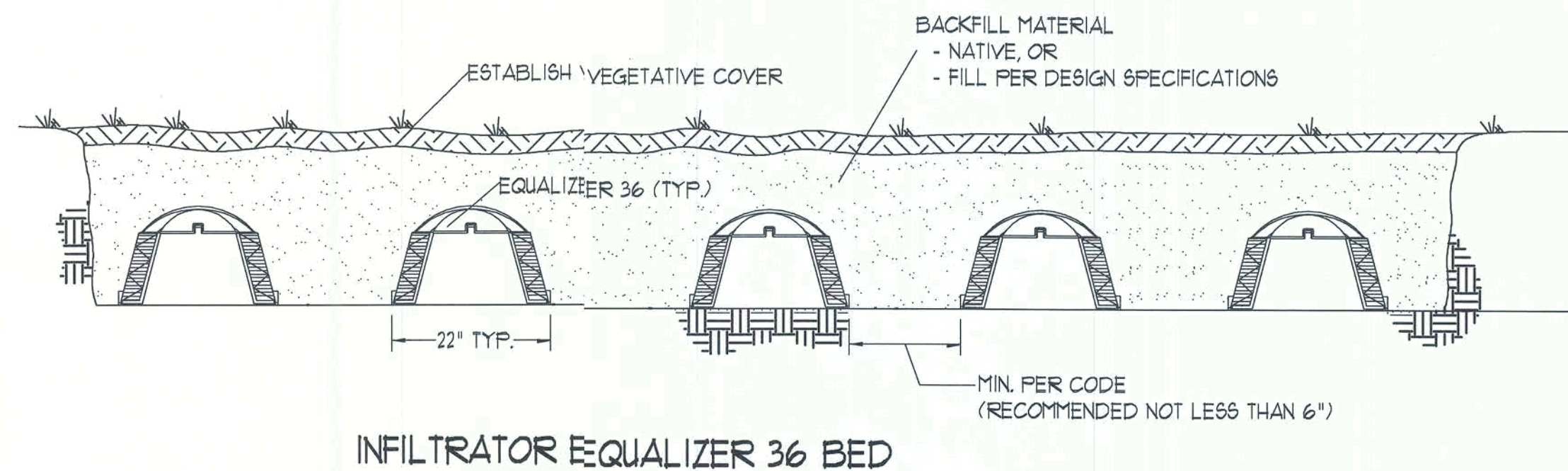
COLUMBIA COUNTY, FLORIDA

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EQUALIZER 36 TRENCH DETAIL
NOT TO SCALE

GENERAL WELL & SEPTIC NOTES:

1. SUB-CONTRACTORS PROVIDING WATER WELLS AND/OR SEPTIC TANKS AND DRAINFIELDS SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6, THIS SHEET.
2. LOCATION OF POTABLE WATER WELLS SHALL BE DETERMINED BY THE OWNER IN CONSULTATION WITH THE WELL DRILLING CONTRACTOR. WELLS SHALL NOT BE LOCATED CLOSER THAN 15'-0" TO ANY PROPOSED OR EXISTING SEPTIC TANK OR DRAINFIELD, EITHER ON SUBJECT PROPERTY OR ADJACENT/ADJOINING PROPERTY.
3. POTABLE WATER WELLS SHALL BE A MINIMUM 4" WITH BLACK IRON CASING TO A DEPTH OF 80'-0". PUMPS SHALL BE OF THE SUBMERSIBLE TYPE, THREE WIRE SYSTEM, MINIMUM HORSEPOWER SHALL BE 1/2 H/P OR AS DIRECTED BY THE OWNER. MOTOR STARTER SHALL BE ENCLOSED IN A WEATHERPROOF HOUSING, MOUNTED ON A P/T 4x4 POST AT THE WELL HEAD.
4. WELL HEAD SHALL PROJECT 12" ABOVE GRADE.
5. ALL REQUIRED COMPONENTS FOR A COMPLETE OPERATING SYSTEM SHALL BE PROVIDED, INCLUDING ANTI-FREEZE BLEEDER FITTING, CHECKVALVE, AIR BLEEDERS, SHUTOFF VALVE, HOSE BIBB, PRESSURE REGULATOR/CONTACTOR, UNIONS AND PRESSURE GAUGE.
6. PRESSURE TANK SHALL BE GALVANIZED 82 GALLON CAPACITY, UNLESS DIRECTED OTHERWISE BY THE OWNER.
7. SEPTIC TANK LOCATION & DRAINFIELD INVERT SHALL BE DETERMINED BY THE LOCAL HEALTH DEPARTMENT, IN CONSULTATION W/ THE OWNER.
8. SEPTIC TANKS SHALL BE OF A SIZE & CONSTRUCTION AS DETERMINED BY THE LOCAL HEALTH DEPARTMENT. TANK MAT'L SHALL BE POURED CONCRETE OR FIBERGLASS AS ALLOWED BY THE SEPTIC TANK PERMIT.
9. SEPTIC DRAINFIELDS SHALL BE CONSTRUCTED TO THE STANDARDS OF THE LOCAL HEALTH DEPARTMENT.
10. SAND FILTER BEADS, MOUND SYSTEMS, DOSING TANKS, GREASE TRAPS, DISTRIBUTION BOXES, GRINDER PUMPS, SUMP PUMPS AND OTHER SUCH RELATED ITEMS (IF REQUIRED OR REQUESTED) SHALL BE AS PER THE DESIGN STANDARDS OF THE LOCAL HEALTH DEPARTMENT.

LEGAL DESCRIPTION:

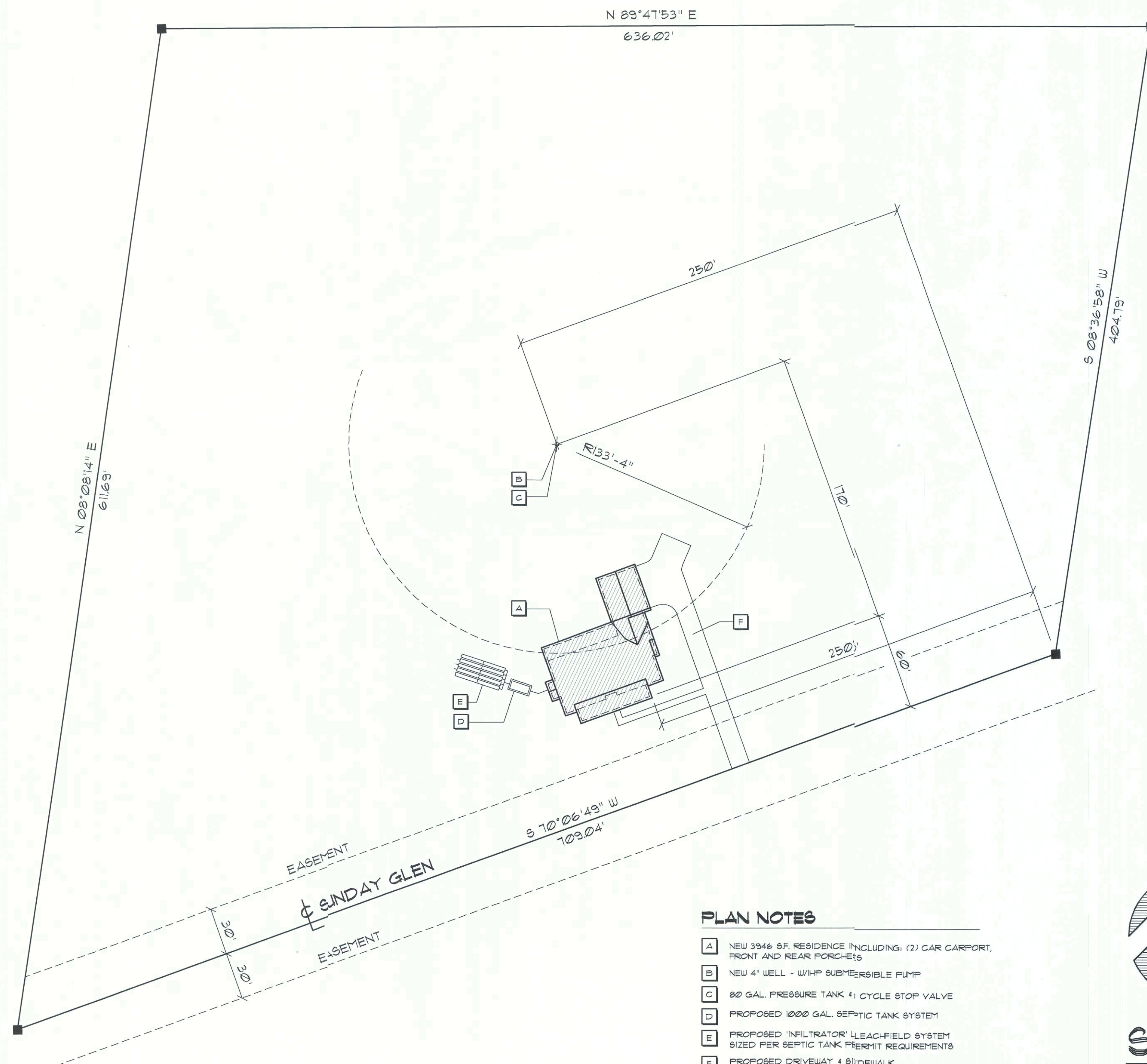
SCOTT & JESSICA CASSIDY
SECTION 34, TOWNSHIP 4 SOUTH, RANGE 16 EAST
COLUMBIA COUNTY, FLORIDA

DESCRIPTION:

A PART OF THE N 1/2 OF THE SE 1/4 OF SECTION 34, TOWNSHIP 4 SOUTH, RANGE 16 EAST MORE PARTICULAR DESCRIBED AS FOLLOWS:

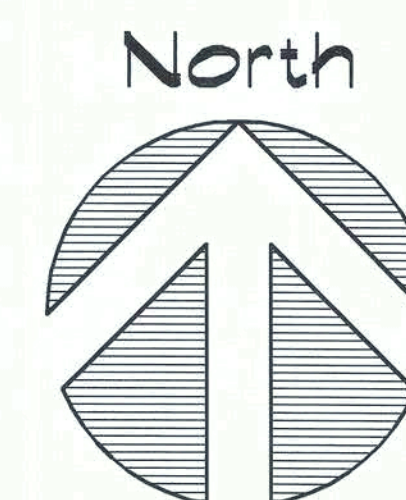
COMMENCE AT THE NORTHEAST CORNER OF THE SAID SE 1/4 AND RUN S89°41'53"W ALONG THE NORTH LINE THEREOF, 1319.51 FEET FOR A POINT OF BEGINNING. THENCE S08°36'58"W, 404.73 FEET, THENCE S70°06'49"W, 109.04 FEET, THENCE N08°08'14"E, 645.61 FEET TO THE NORTH LINE OF SAID 1/4, THENCE N89°41'53"E ALONG SAID NORTH LINE, 636.02 FEET TO THE POINT OF BEGINNING. COLUMBIA COUNTY, FLORIDA CONTAINING 1.56 ACRES MORE OR LESS.

SUBJECT TO AN INGRESS AND EGRESS AND UTILITY EASEMENT OVER AND ACROSS THE SOUTHERLY 300 FEET THEREOF.



PLAN NOTES

- A NEW 3946 S.F. RESIDENCE INCLUDING: (2) CAR CARPORT, FRONT AND REAR PORCHES
- B NEW 4" WELL - W/H P SUBMERSIBLE PUMP
- C 80 GAL. PRESSURE TANK & CYCLE STOP VALVE
- D PROPOSED 1000 GAL. SEPTIC TANK SYSTEM
- E PROPOSED 'INFILTRATOR' LEACHFIELD SYSTEM SIZED PER SEPTIC TANK PERMIT REQUIREMENTS
- F PROPOSED DRIVEWAY & SIDEWALK



Site PLAN

SCALE: 1" = 30.0'

REVISION:

DRAWN:

DJR

CUSTOM DESIGNED HOME FOR:
Scott & Jessica Cassidy
COLUMBIA COUNTY, FLORIDA
Site Plan

APP
ARCHITECTURAL DRAFTING & DESIGN
DAVID J. ROYAL
LAKE CITY, FLORIDA - 752-4670

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
17, Box 1538
Lake City, FL 32055
904/775-6608

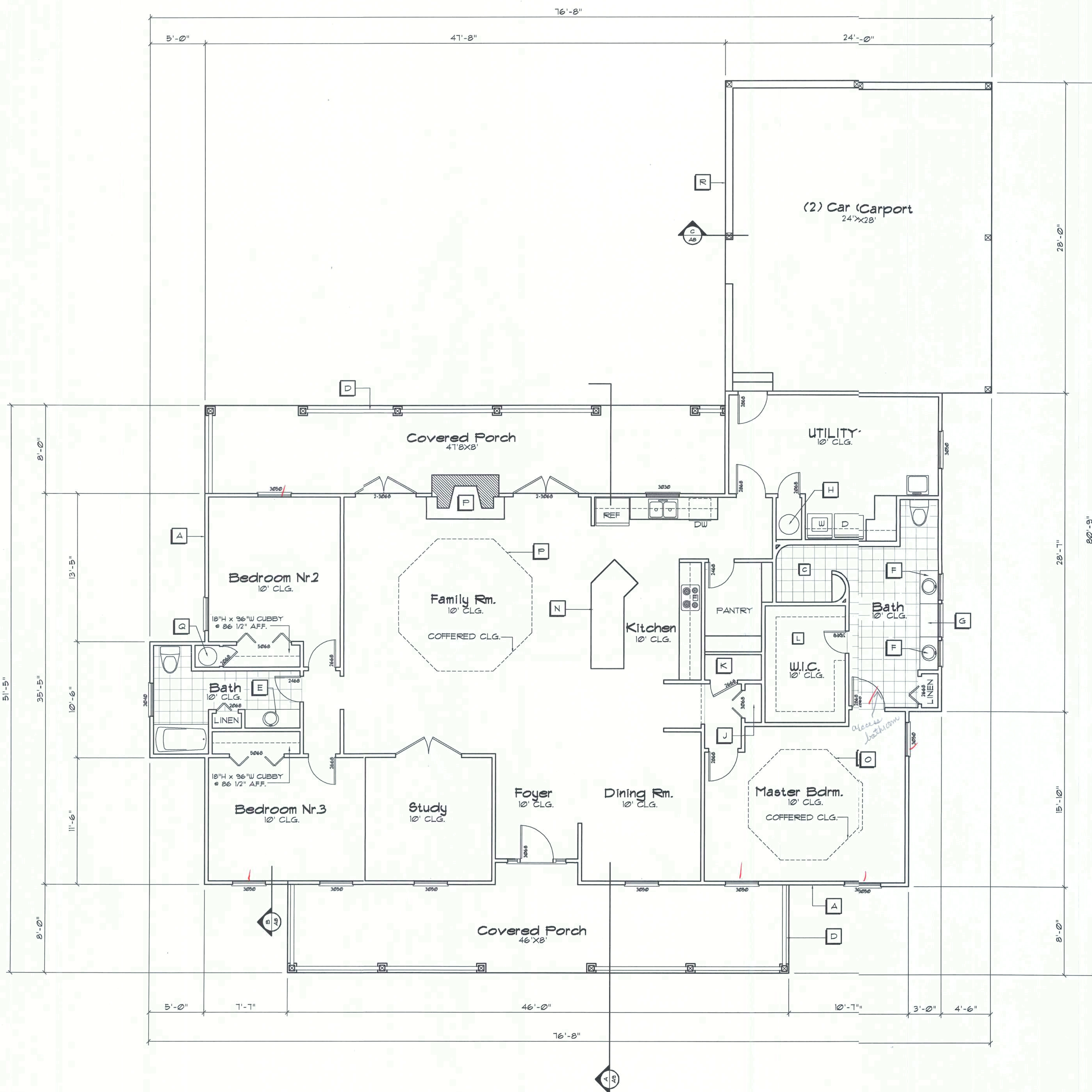
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1 OF 15

Signature
17 NOV 2005
AR0007005



Floor Plan
SCALE : 3/16" = 1'-0"

FLORIDA BUILDING CODE

Compliance Summary

TYPE OF CONSTRUCTION

Roof: 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 1/4" OSB.

Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing

Fasteners: See Nail Schedule on sheet A6

SHEARWALLS

Material: 1/2" CD Plywood or OSB.

Sheet Size: 48"x96" Sheets Placed Vertical

Fasteners: 8d Common Nails @ 6" O.C. Edges & 12" O.C. Interior

Dragstrut: Double Top Plate (S.T.P.) w/16d Nails @ 12" O.C.

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

HURRICANE UPLIFT CONNECTORS

Truss to Wall: "SIMPSON" H16 @ Ea. Truss End

Truss to Wall @ Porch: "SIMPSON" H10 @ Ea. Truss

Anchor Bolts: Header to King Studs: "SIMPSON" ST22

Plate to Stud: "SIMPSON" SF2

Stud to Sill: "SIMPSON" SF1

Misc. Joints: "SIMPSON" A34

Anchor Bolts: Column to Beam: "SIMPSON" FC46

Column to Base: "SIMPSON" ABU66

Column to Base (Carport): "SIMPSON" ABU46

Anchor Bolts: Anchor Bolts: 1/2" A307 Bolts @ 48" O.C.

Corner Hold-down Device: "SIMPSON" HTT22 @ Ea. Corner and Opening

Wall Tension: Nailing is Adequate w/8d @ 6" O.C. Top & Bot.

FOOTINGS AND FOUNDATIONS

Footing: 20"x12" W/3-5 Bars Cont. ON WIRE CHAIRS @ 36" O.C.

Stemwall: 8" CMU, W/1-5 Vertical Dowel @ 48" O.C.

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1606, FLORIDA BUILDING CODE, 2001 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
MUFRS PER TABLE 1606.2A (FBC 2001)	ROOF: - 21.4 PSF
DESIGN WIND PRESSURES:	WALLS: + 22.8 PSF
	EAVES: + 38.4 PSF
COMPONENTS & CLADDING PER TABLES 1606.2B & 1606.2C (FBC 2001)	OPENINGS: + 25.9 / - 34.7 PSF
DESIGN WIND PRESSURES:	EAVES: - 81.2 PSF
	ROOF: + 23.1 / - 30.3 PSF

Plan Notes

- A 2x4 N. 2 FIR STUDS @ 16" O.C.
- B PREFAB WOOD BURNING FIREPLACE INSERT
- C 62"x62" WALK-IN SHOWER
- D 42" HIGH HANDRAIL
- E 60"x20"x36"H VANITY CABINET W/1) LAVATORY
- F 36"x20"x36"H VANITY CABINET W/1) LAVATORY
- G 36"x20"x30"H DROP VANITY
- H 50 GAL. ELECTRIC WATER HEATER
- J LINEN CLOSET (S) SHELVES
- K HVAC / AIR HANDLER
- L WALK-IN CLOSET W/SHELF & ROD @ 66" AFF.
- M 6" INTERIOR COLUMNS (TYP. 6 PLACES)
- N 60" X 60" KITCHEN ISLAND W/STOVE TOP
- O 10' OCTAGON COFFERED CEILING
- P 12' OCTAGON COFFERED CEILING
- Q 30 GAL. LOUBOY ELECTRIC WATER HEATER
- R 8" CMU WALL - 32" HIGH

Design Data
2525 SF. - LIVING AREA
612 SF. - (2) CAR CARPORT
368 SF. - FRONT PORCH
381 SF. - REAR PORCH
3946 SF. - TOTAL AREA

Overcurrent protection device shall be installed on the exterior of structures to serve as a disconnecting means. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

REVISION:

DRAWN:
DJR

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Floor Plan

APP
ARCHITECTURAL DRAFTING & DESIGN
DAVID J. ROYAL
LAKE CITY, FLORIDA - 752-4670

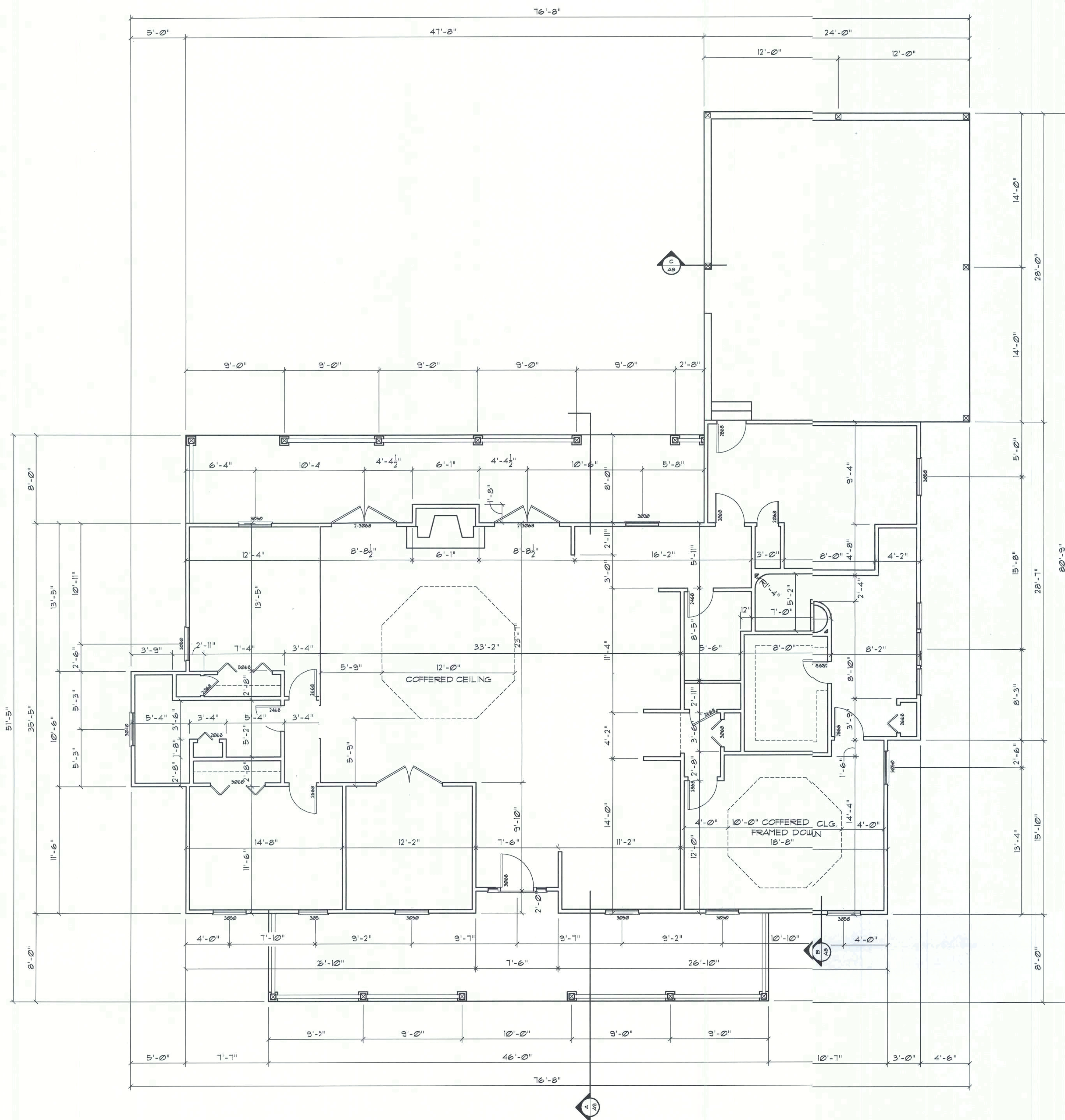
NICHOLAS
GEISLER
ARCHITECT
Route 17, Box 1055
904/725-6808
N.C.A.R.B. Certified

DATE:
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A2
2 OF 15

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Dimension PLAN
SCALE: 3/16" = 1'-0"

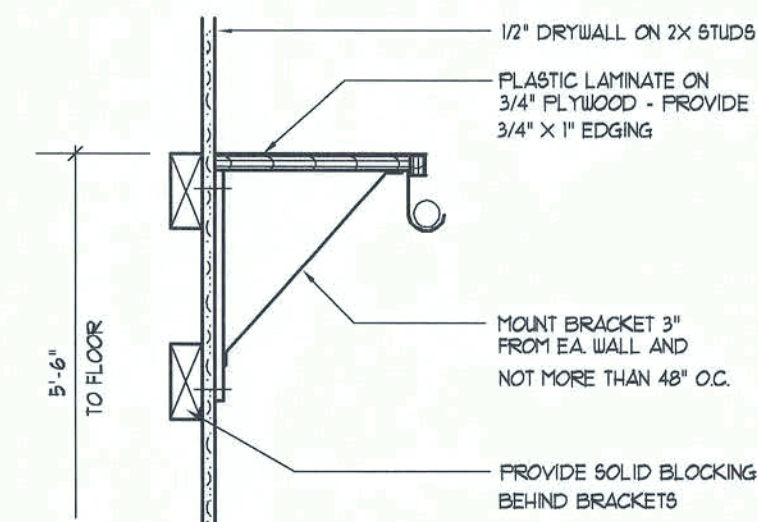
Doors / Windows

TYP. DOOR DESIGNATIONS

- 2068 = 24"X80" DOOR
- 2468 = 28"X80" DOOR
- 2668 = 30"X80" DOOR
- 2868 = 32"X80" DOOR
- 3068 = 36"X80" DOOR

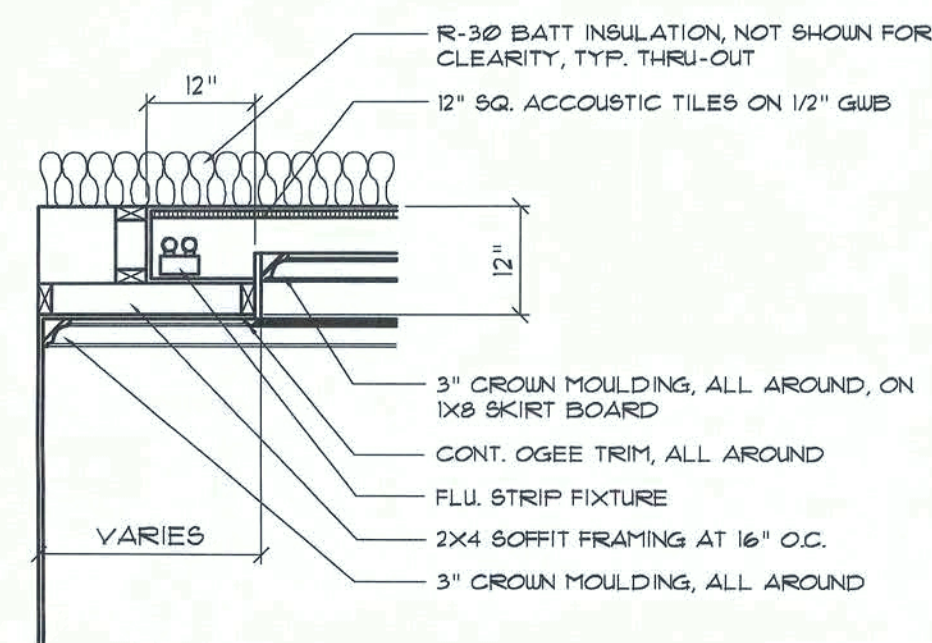
TYP. WINDOW DESIGNATIONS

- 2646 = 30"X54" WINDOW
- 2650 = 30"X60" WINDOW
- 3030 = 36"X36" WINDOW
- 3046 = 36"X54" WINDOW
- 3050 = 36"X60" WINDOW
- 3060 = 36"X72" WINDOW
- 4020 = 48"X24" WINDOW
- 4060 = 48"X72" WINDOW



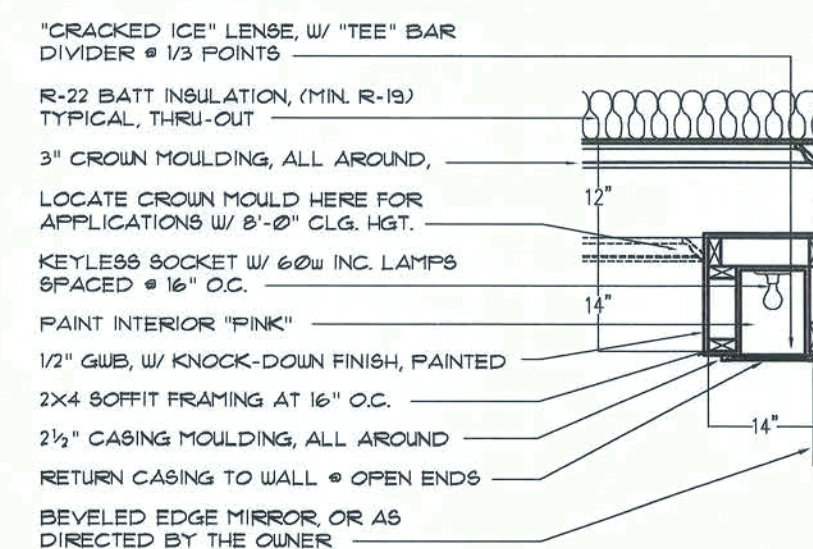
Closet Rod & Shelf Detail

SCALE: NONE



Coffered Clg./Soffit Lighting

SCALE: NONE (MASTER BEDRM. & LIVING RM. COFFERED CEILING)



Optional Lighting Soffit DETAIL

SCALE: NONE (ABOVE BATHROOM VANITY)

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DJR

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COLUMBIA COUNTY, FLORIDA
Dimension Plan

APP
ARCHITECTURAL DRAFTING & DESIGN
DAVID J. ROYAL
LAKE CITY, FLORIDA - 752-4670

NE
NICHOLAS
BOAL
GEISLER
ARCHITECT
N.C.A.R.B. Certified

DATE:

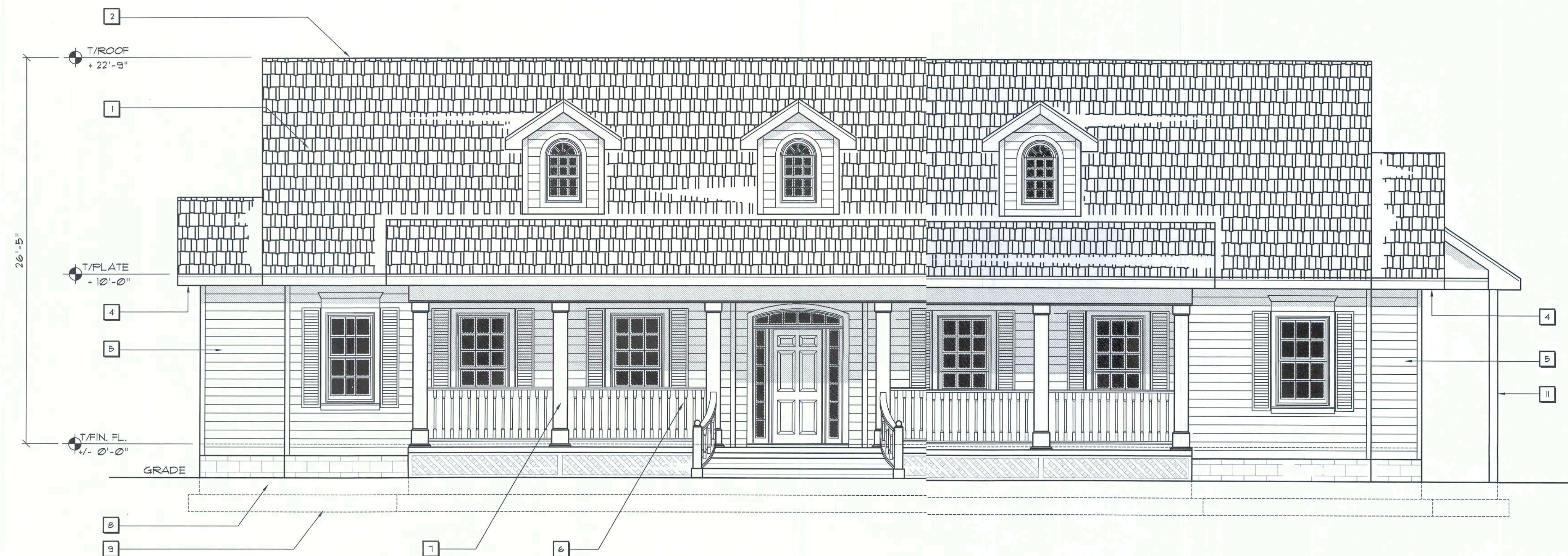
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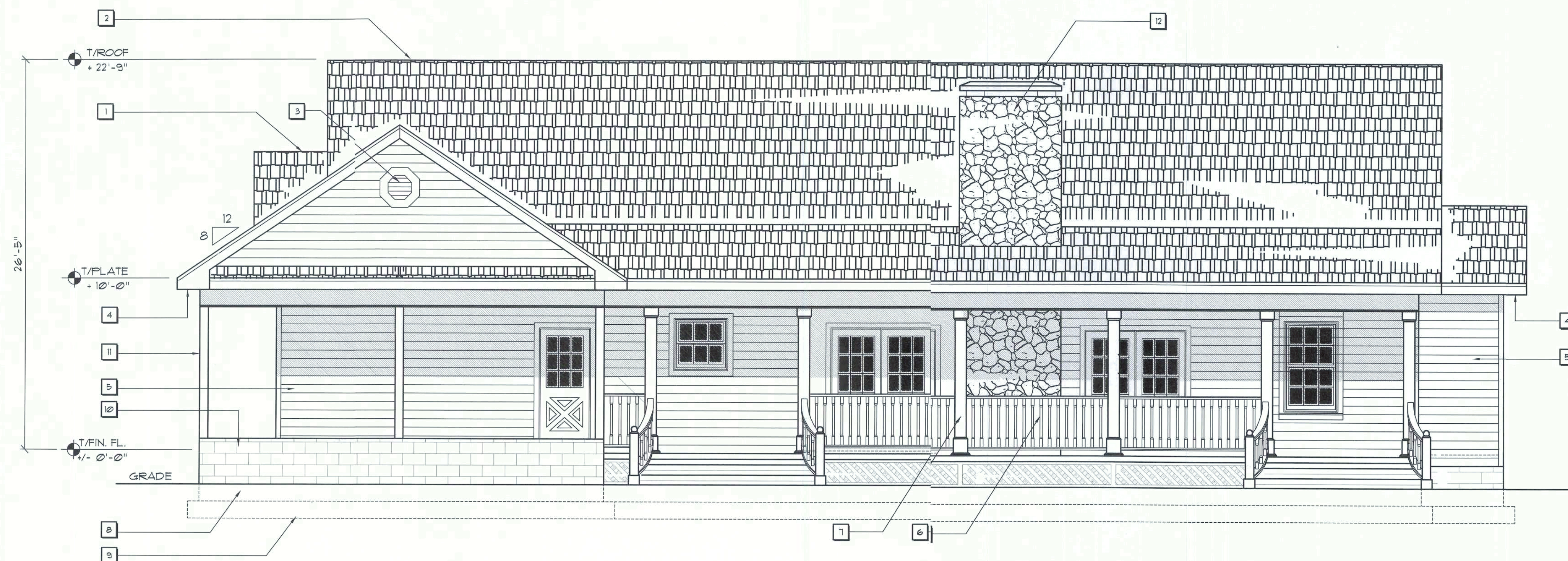
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Front ELEVATION

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



Rear ELEVATION

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

EXTERIOR FINISH LIST

- 1 25 YEAR FIBERGLASS ARCHITECTURAL SHINGLES OR
OPTIONAL METAL ROOF, SEE DETAILS DWG. A10
- 2 CONTINUOUS RIDGE VENT
- 3 24" GABLE VENT
- 4 FASCIA & VENTRED SOFFIT
- 5 6" 'HARDI-PLANK' HORIZONTAL SIDING
- 6 42" HIGH RAILING
- 7 BOXED 6"x6" P/T POSTS
- 8 8" CONCRETE BLOCK STEMWALL
- 9 12"x20" CONT. CONCRETE FOOTER
- 10 32" HIGH CMU BLOCK WALL, FINISHED
FINISHED PER OWNERS SPECS.
- 11 BOXED 4"x6 P/T POSTS
- 12 2x4 FRAMED CHIMNEY CHASE
W/STONE VENEER PER OWNERS SPECS.

REVISION:

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DJR

CUSTOM DESIGNED HOME FOR:
Scott & Jessica Cassidy
COLUMBIA COUNTY, FLORIDA
Exterior Elevations

APP
ARCHITECTURAL DRAFTING & DESIGN
DAVID J. ROYAL
LAKE CITY, FL 386-752-4670

NS
NICHOLAS
PAUL
GEISLER
ARCHITECT
N.C.A.R.C. Certified
1756 NW Brown Rd.
Lake City, FL 32055
386/752-6608

DATE:

12OCT2005

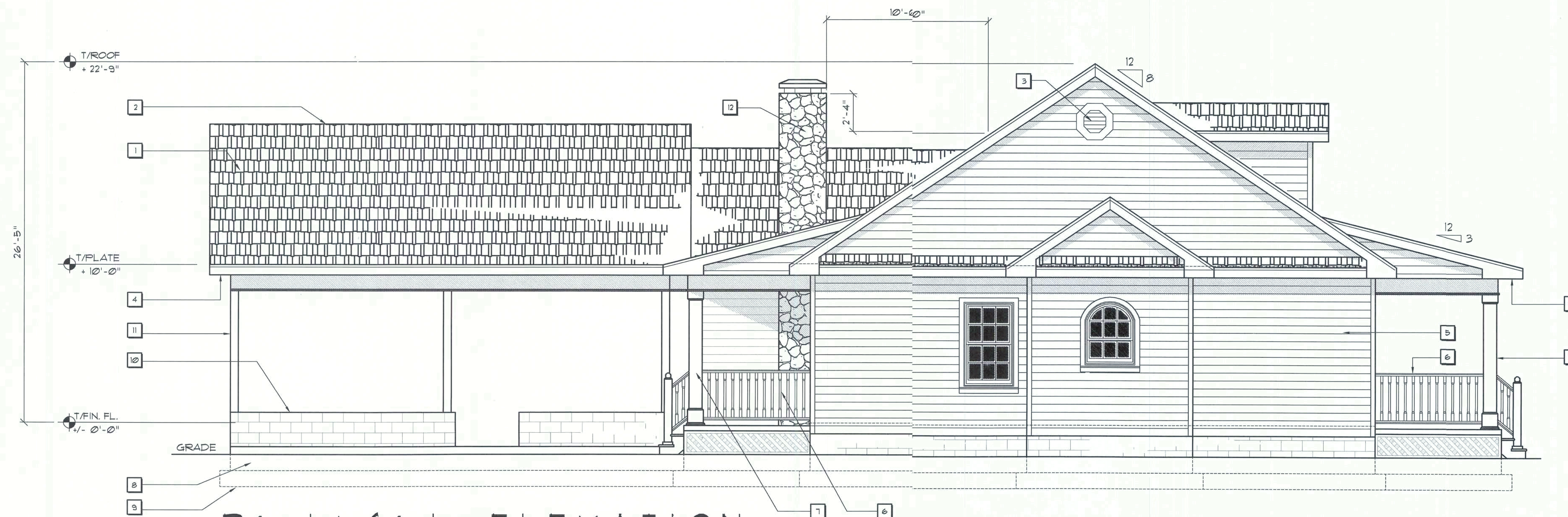
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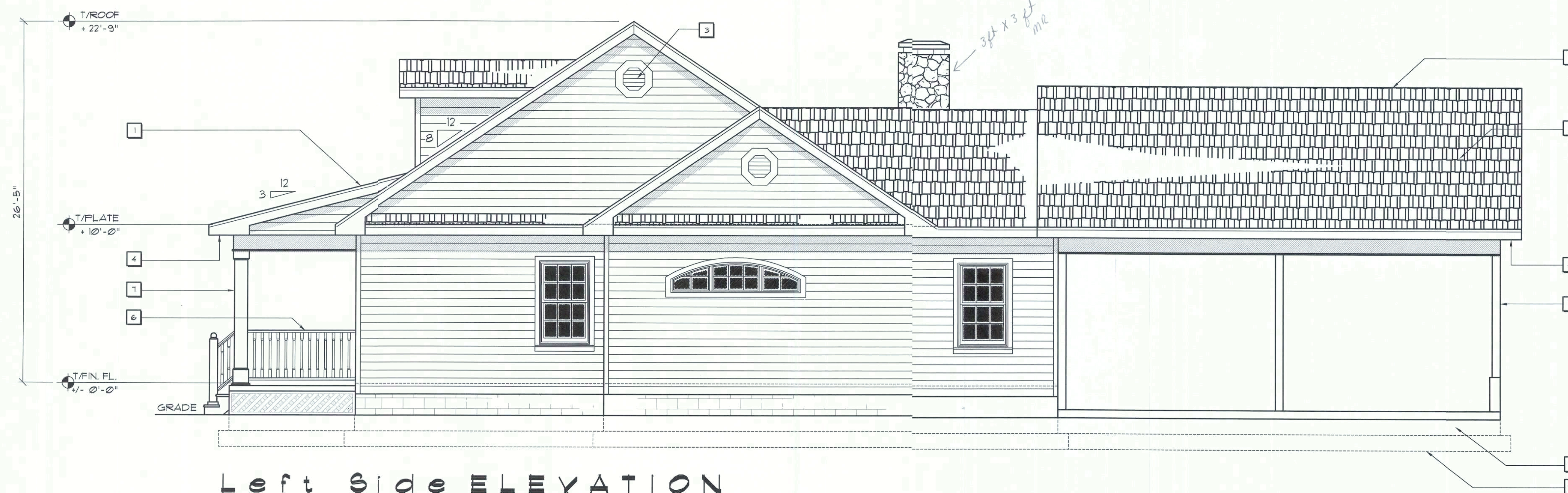
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Right Side ELEVATION

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



Left Side ELEVATION

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

EXTERIOR FINISH LIST

- 1 25 YEAR FIBERGLASS ARCHITECTURAL SHINGLES OR OPTIONAL METAL ROOF, SEE DETAILS DWG. A10
- 2 CONTINUOUS RIDGE VENT
- 3 24" GABLE VENT
- 4 FASCIA & VENTRED SOFFIT
- 5 6" 'HARDI-PLANK' HORIZONTAL SIDING
- 6 42" HIGH RAILING
- 7 BOXED 6"X6" P/T POSTS
- 8 8" CONCRETE BLOCK STEMWALL
- 9 12"X20" CONT. CONCRETE FOOTER
- 10 32" HIGH CMU BLOCK WALL, FINISHED FINISHED PER OWNERS SPECS.
- 11 BOXED 4X6 P/T POSTS
- 12 2X4 FRAMED CHIMNEY CHASE W/STONE VENEER PER OWNERS SPECS.

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COLUMBIA COUNTY, FLORIDA
Exterior Elevations

APP
ARCHITECTURAL DRAFTING & DESIGN
DAVID J. ROYAL
LAKE CITY, FL - 386-752-4870

N3
NICHOLAS
GEISLER
ARCHITECT
758 NW Brown Rd.
Lake City, FL 32055
N.C.A.A.B. Certified
386/752-6608

DATE:

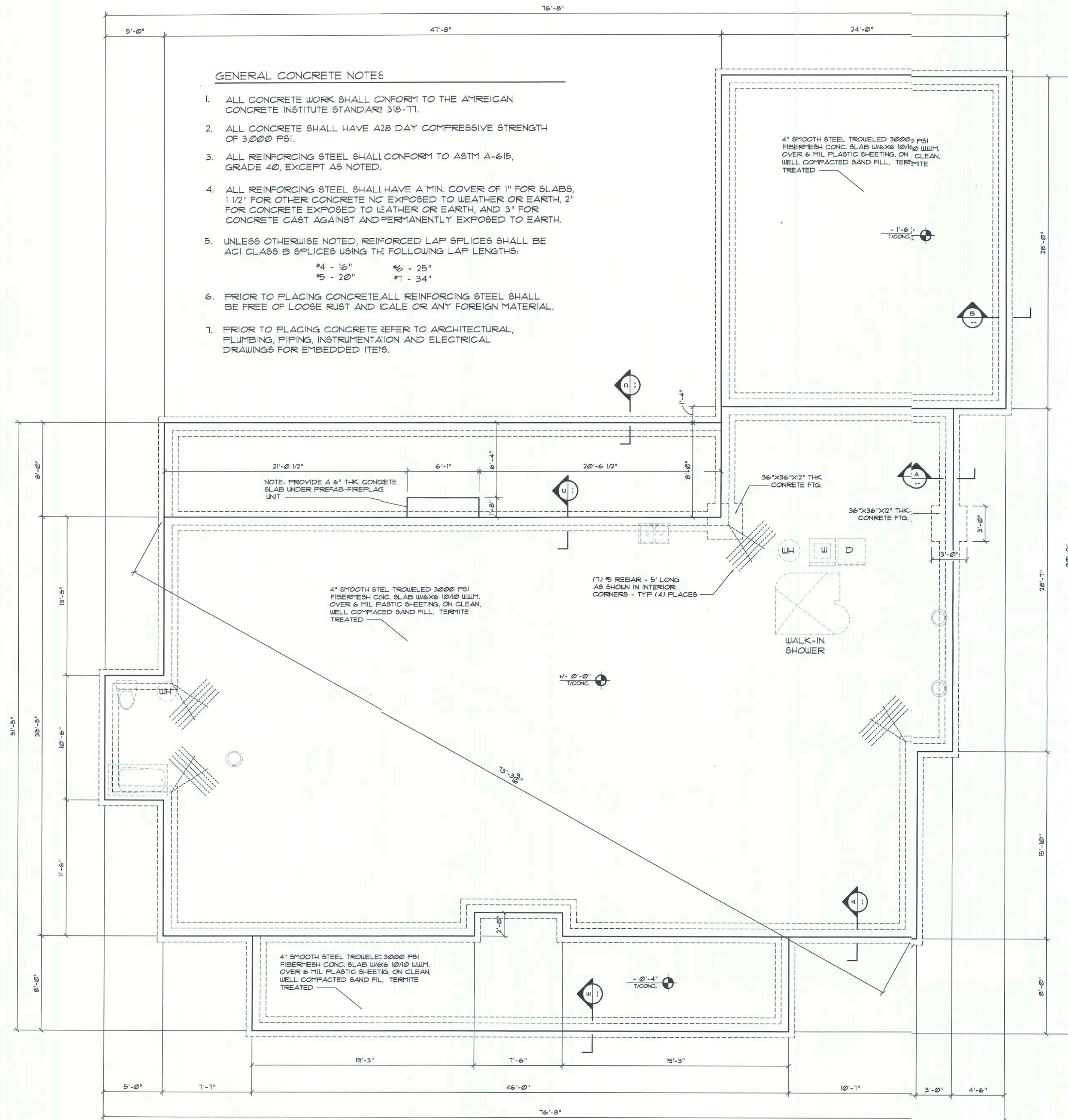
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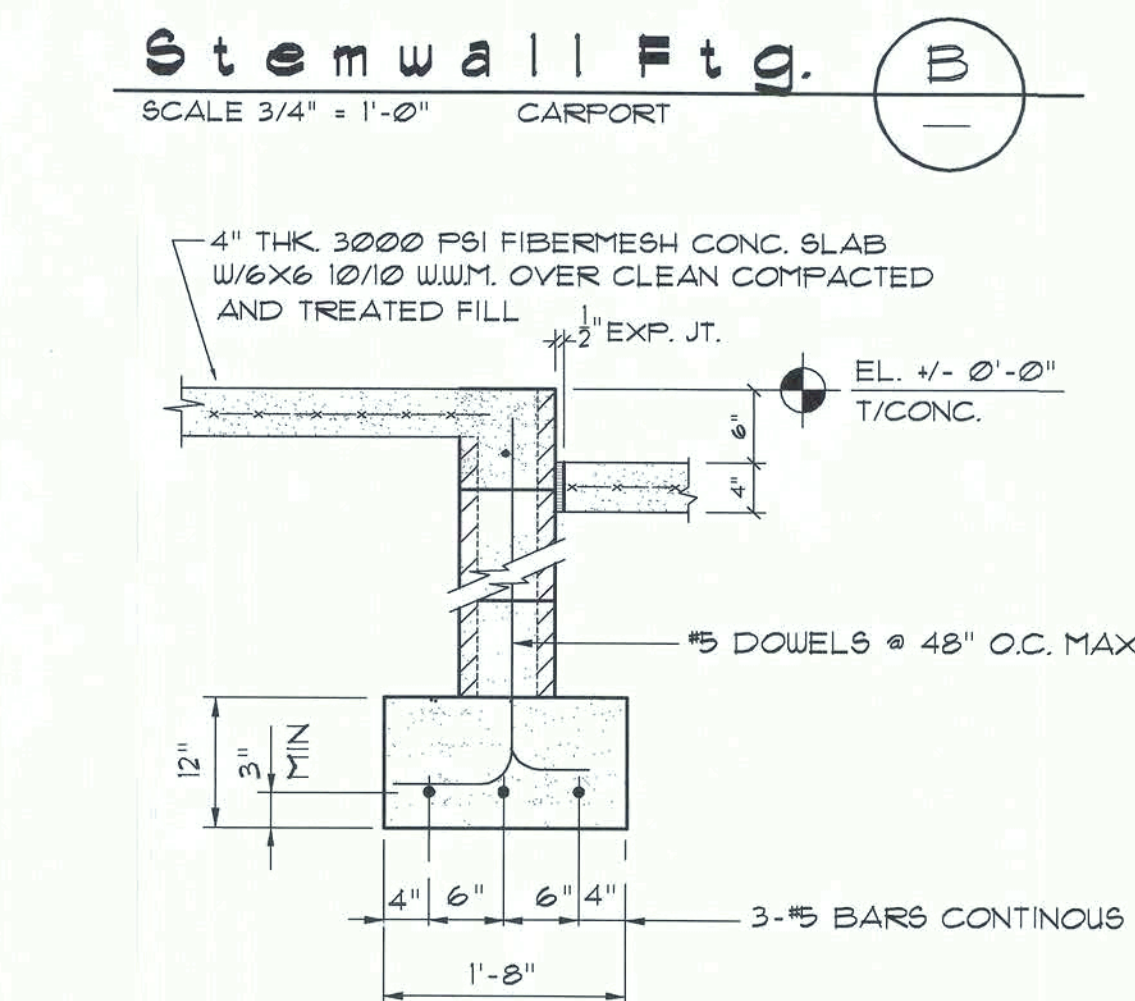
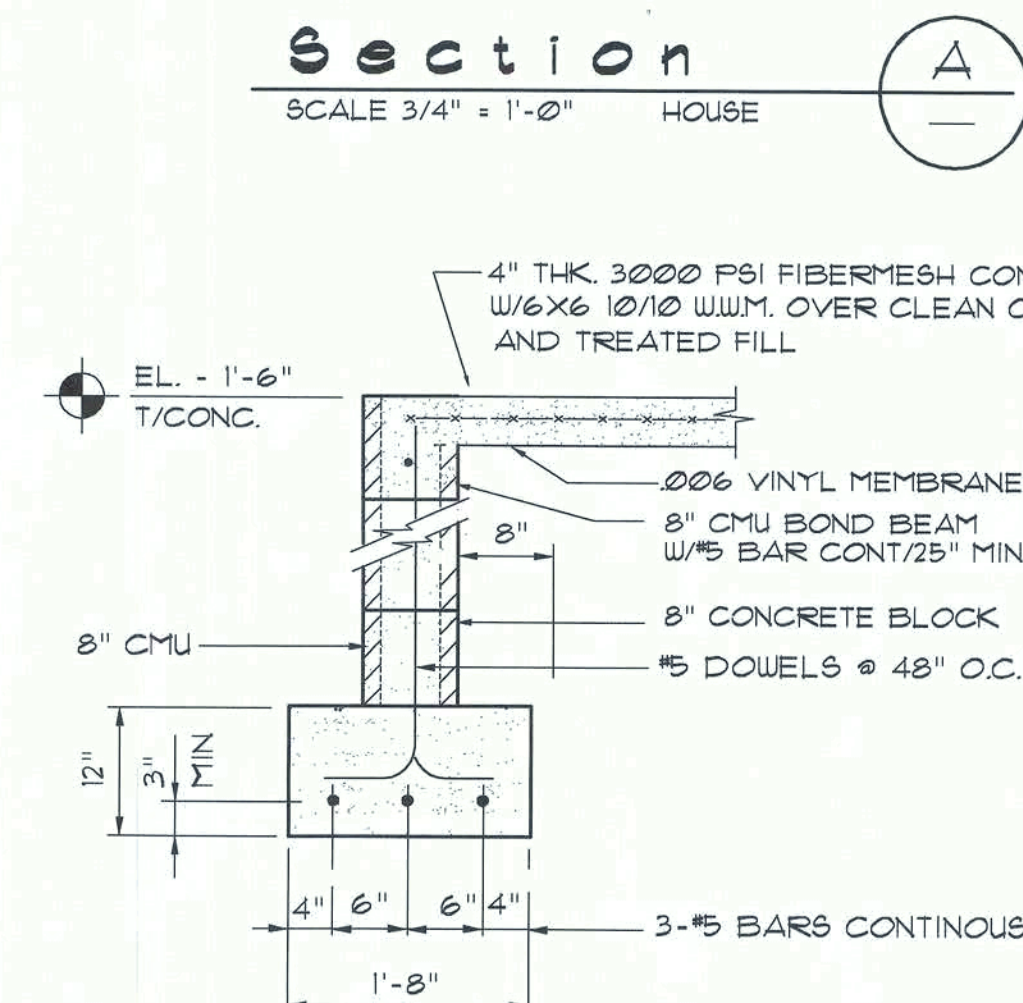
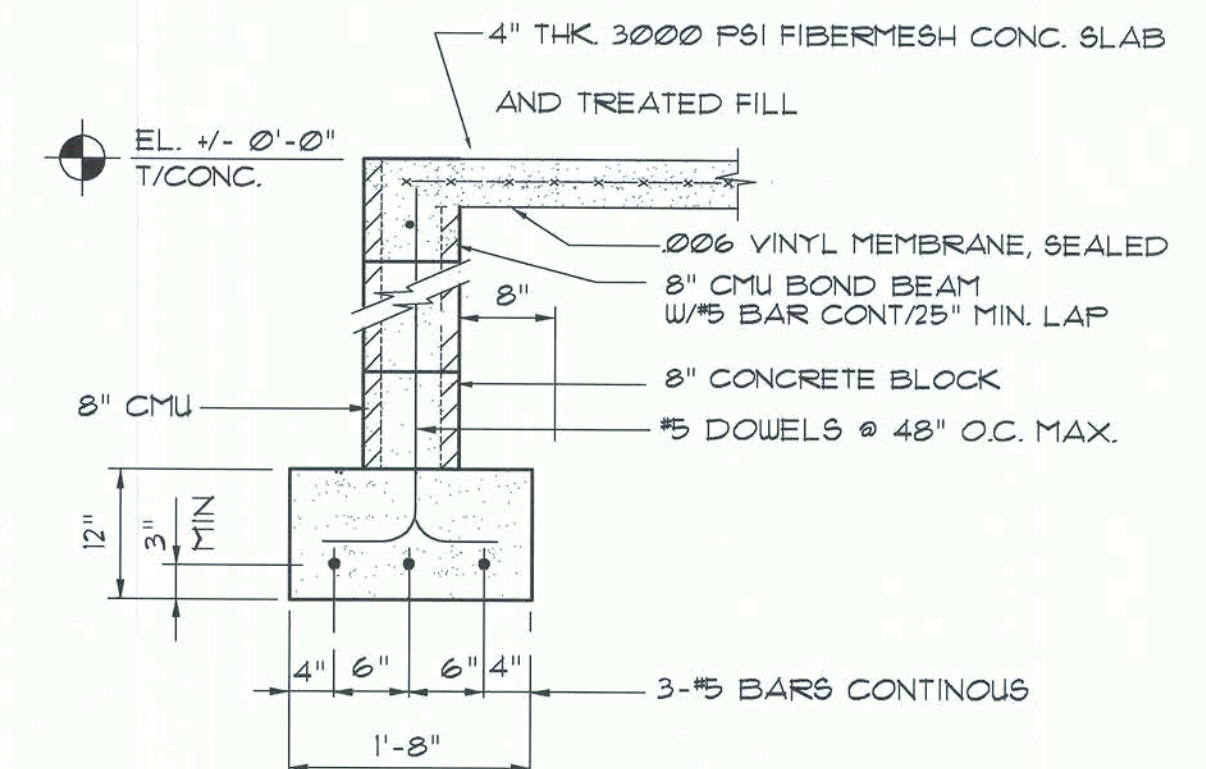
TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

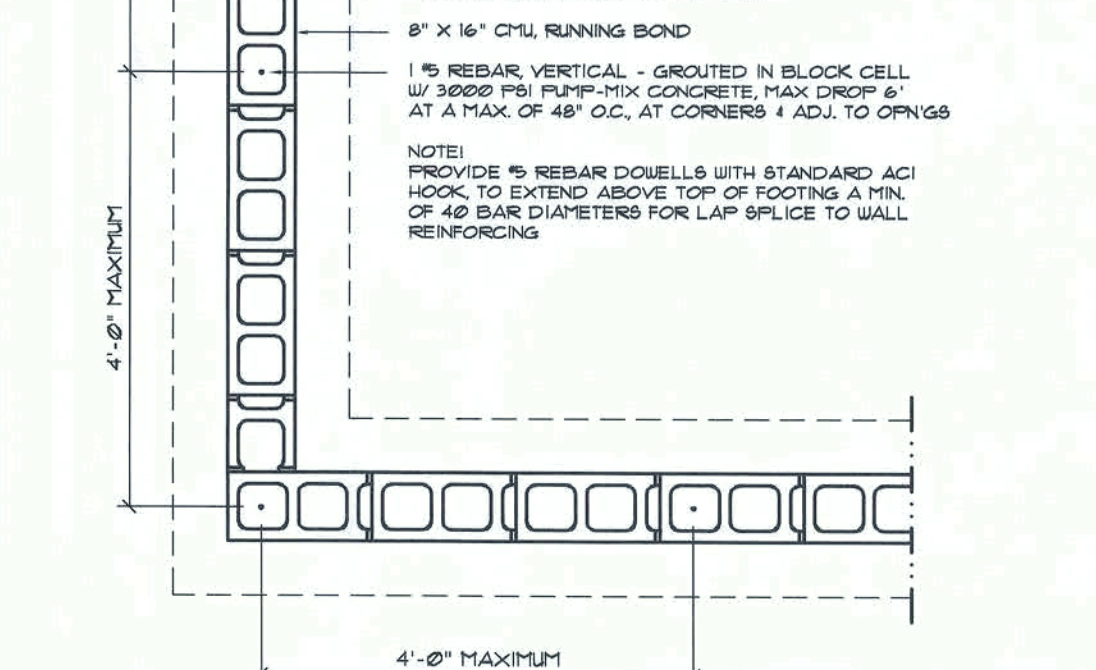
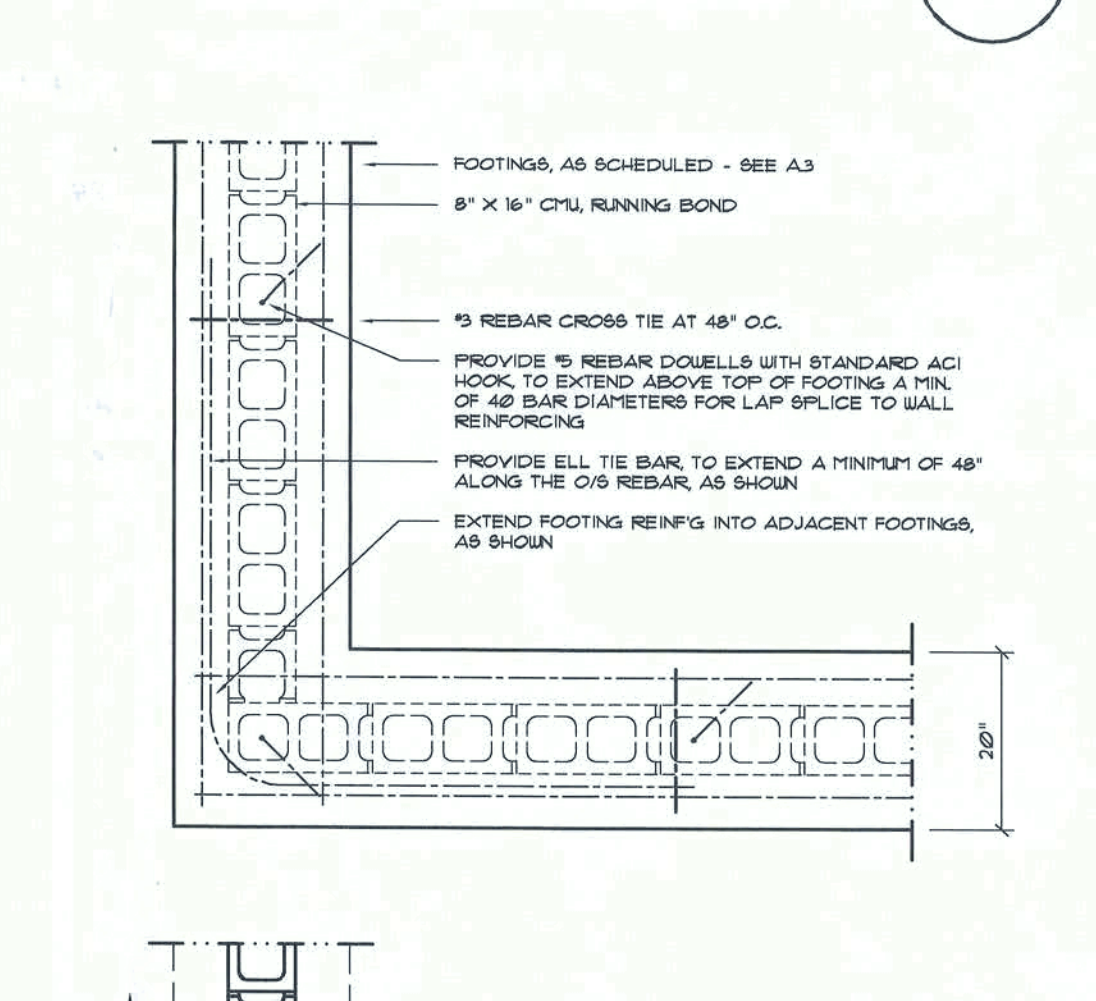
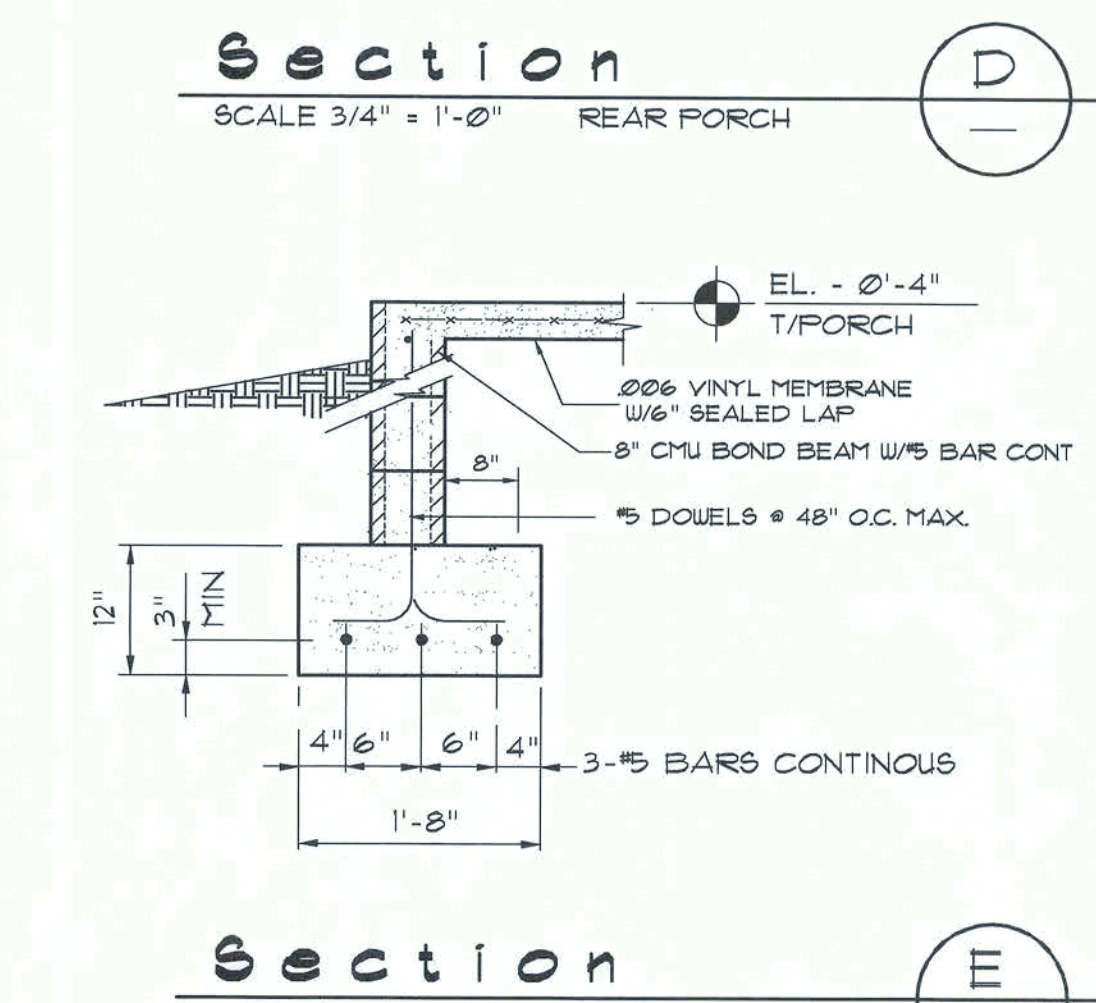
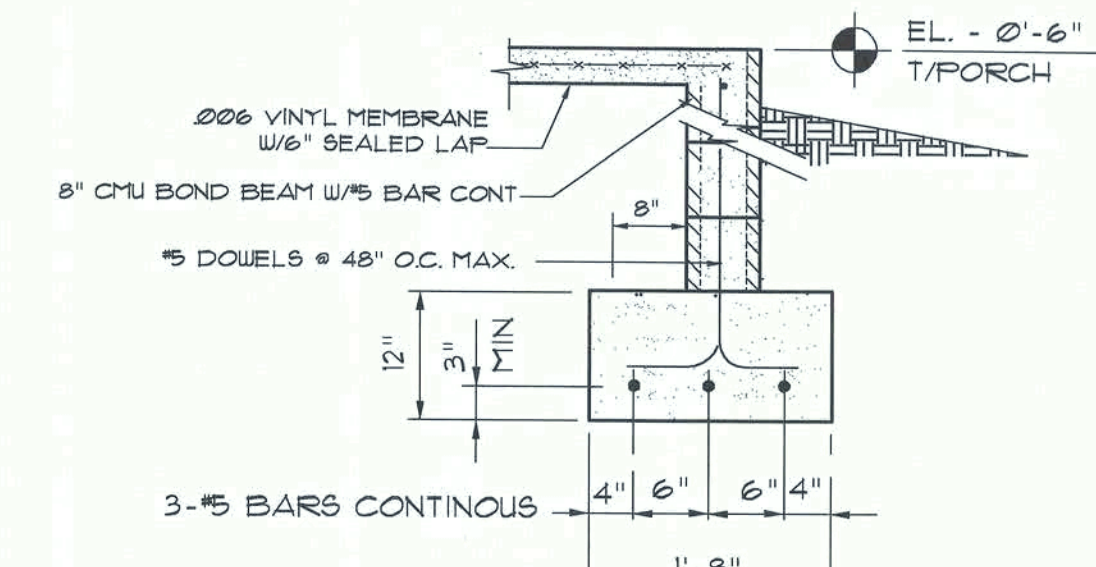
- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 1503.4.6
- CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4
- IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4
- TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6

- INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1506.1.1
- SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1506.1.2
- LOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPPS, ETC. SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FOOTING. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1506.1.3
- MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1506.1.4
- CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1506.1.5

- SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1506.1.6
- AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1506.1.6
- ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1506.1.7
- A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1506.1.7



NOTE:
PRIOR TO THE CONSTRUCTION OF THE FOUNDATION, THE CONTRACTOR SHALL COORDINATE ANY INTERIOR BEARING LOCATION CONDITIONS PER THE TRUSS ENGINEERED SHOP DRAWINGS WITH THE FOUNDATION PLAN. ANY INTERIOR BEARING LOCATIONS OR ANY POINT LOADS OF 40 K OR GREATER SHALL BE SUPPORTED VIA A MODIFIED FOUNDATION PLAN. TAKING THESE LOADS INTO CONSIDERATION, THE CONTRACTOR SHALL MAKE THE ENGINEERED TRUSS SHOP DRAWINGS AVAILABLE TO THE ARCHITECT FOR THE PURPOSE OF RENDERING SUCH MODIFICATIONS PRIOR TO POURING ANY CONCRETE.



REVISION:

DRAWN:

DJR

CUSTOM DESIGNED HOME FOR:
Scott & Jessica Cassidy
COLUMBIA COUNTY, FLORIDA
Foundation PLAN

APP
ARCHITECTURAL DRAFTING & DESIGN
DAVID J. ROYAL
LAKE CITY, FLORIDA - 752-4670

N3
NICHOLAS BAUER
REGISTERED ARCHITECT
N.C.A.R.B. Certified
Route 17, Box 3035
Lake City, FL 32025
804/752-6608

DATE:

28OCT2005

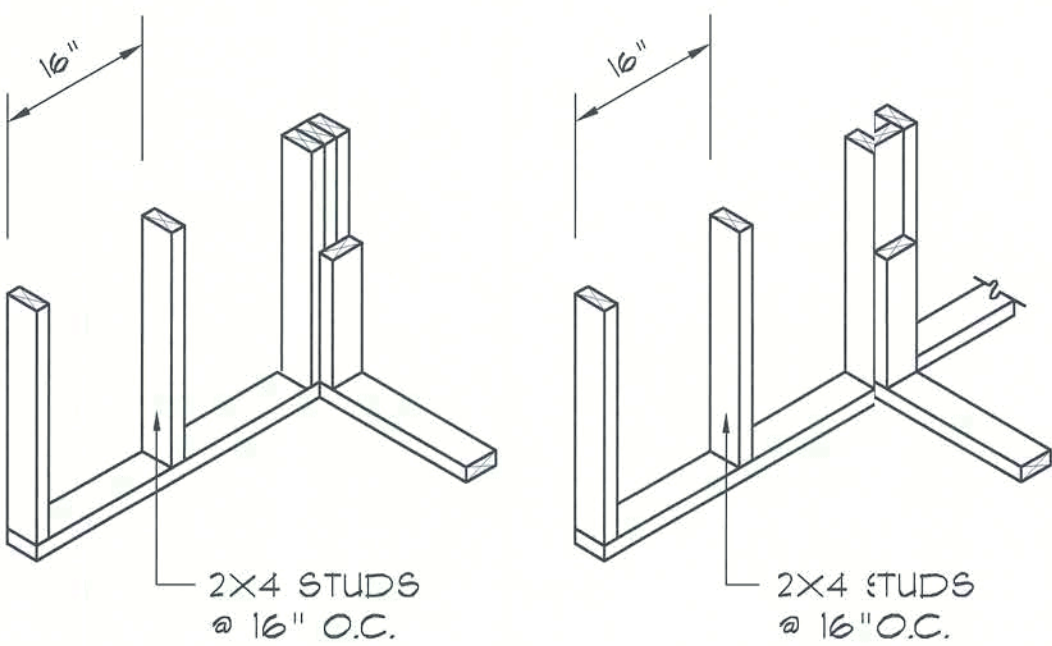
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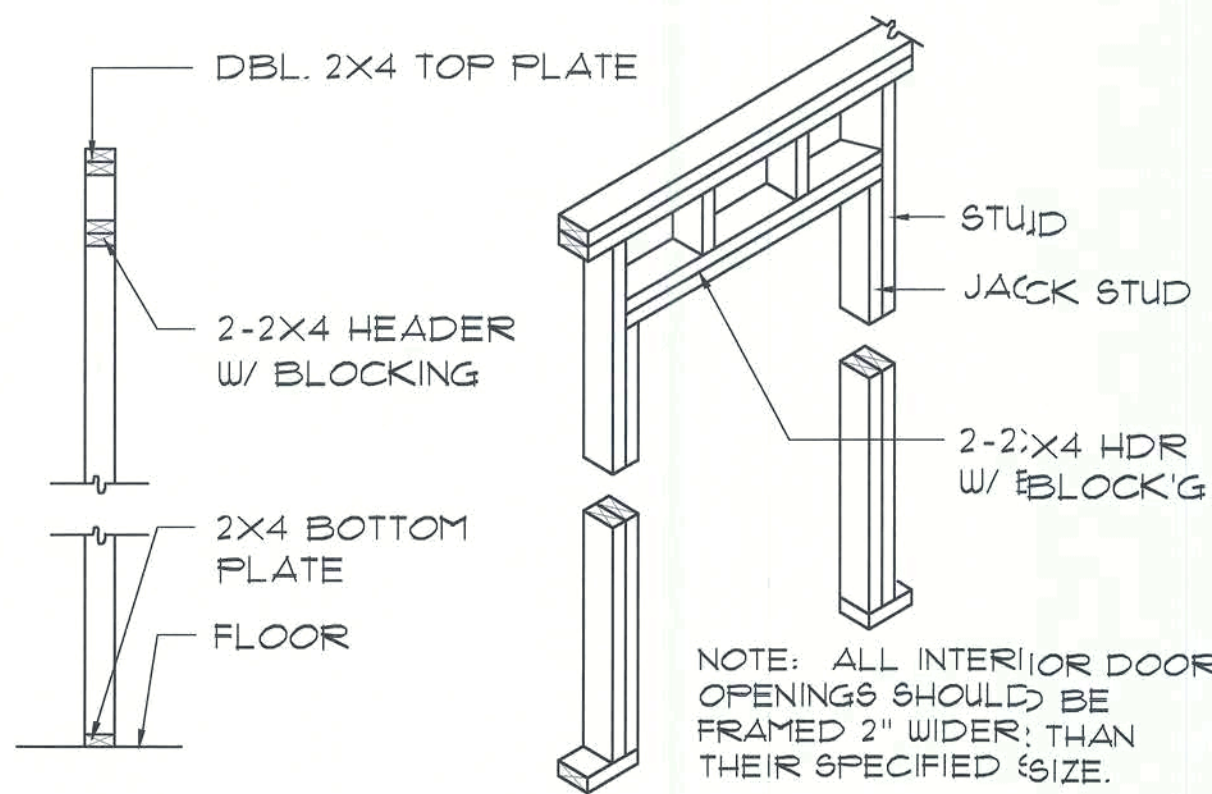
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NOTE:
TOP PLATE ON ALL EXTERIOR WALLS SHALL BE S.Y.P.

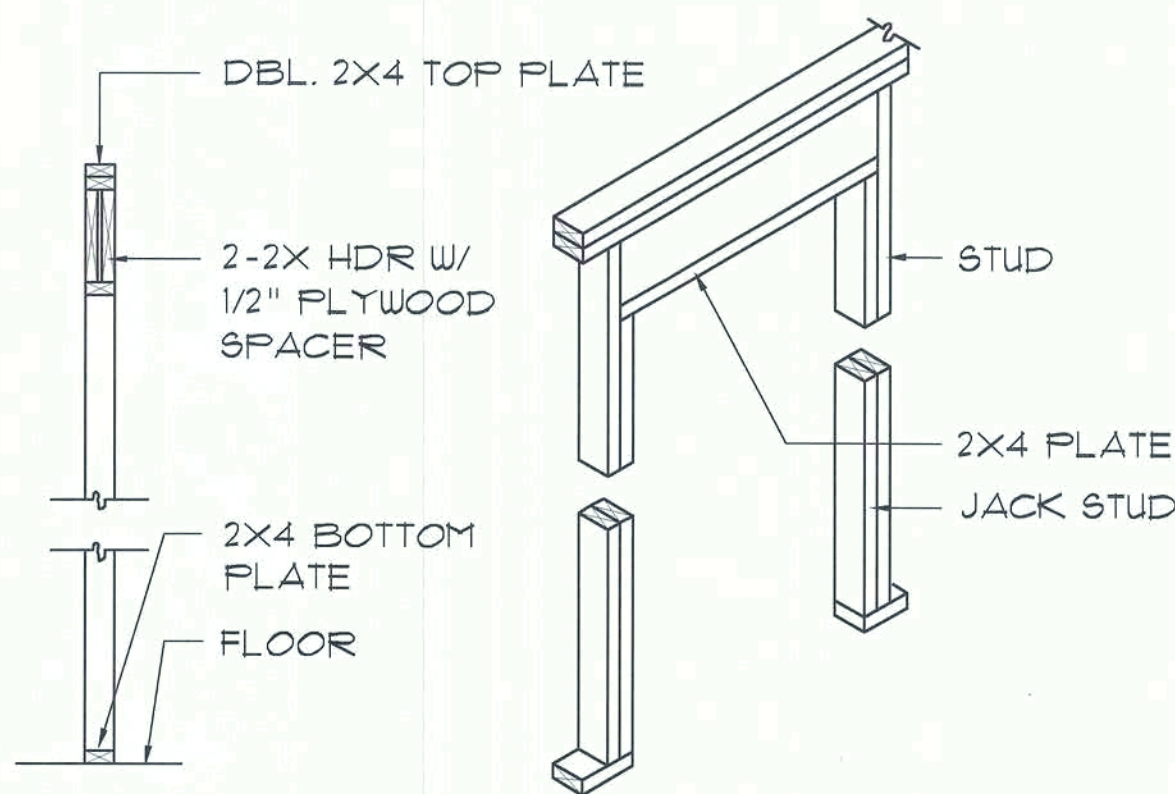


WALL CORNER

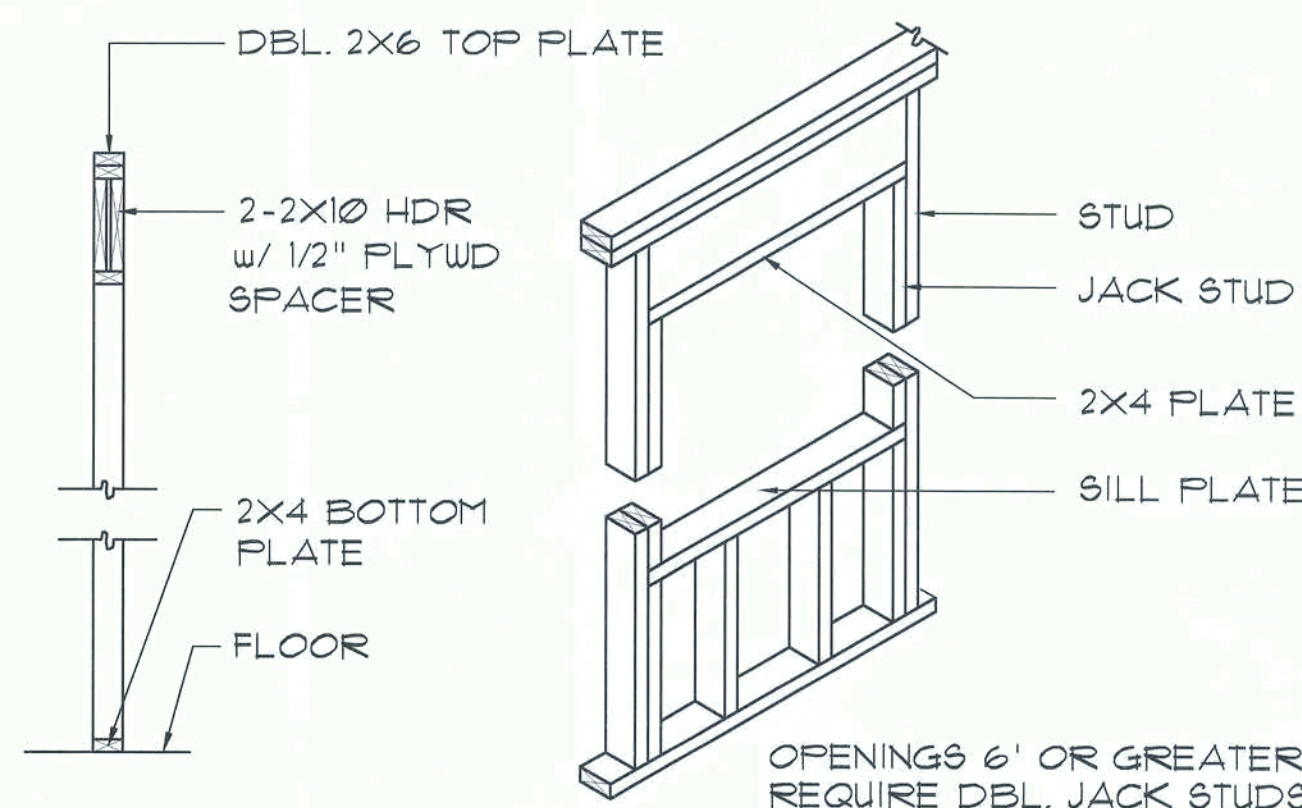
WALL INTERSECTION



NON-BEARING WALL HEADER



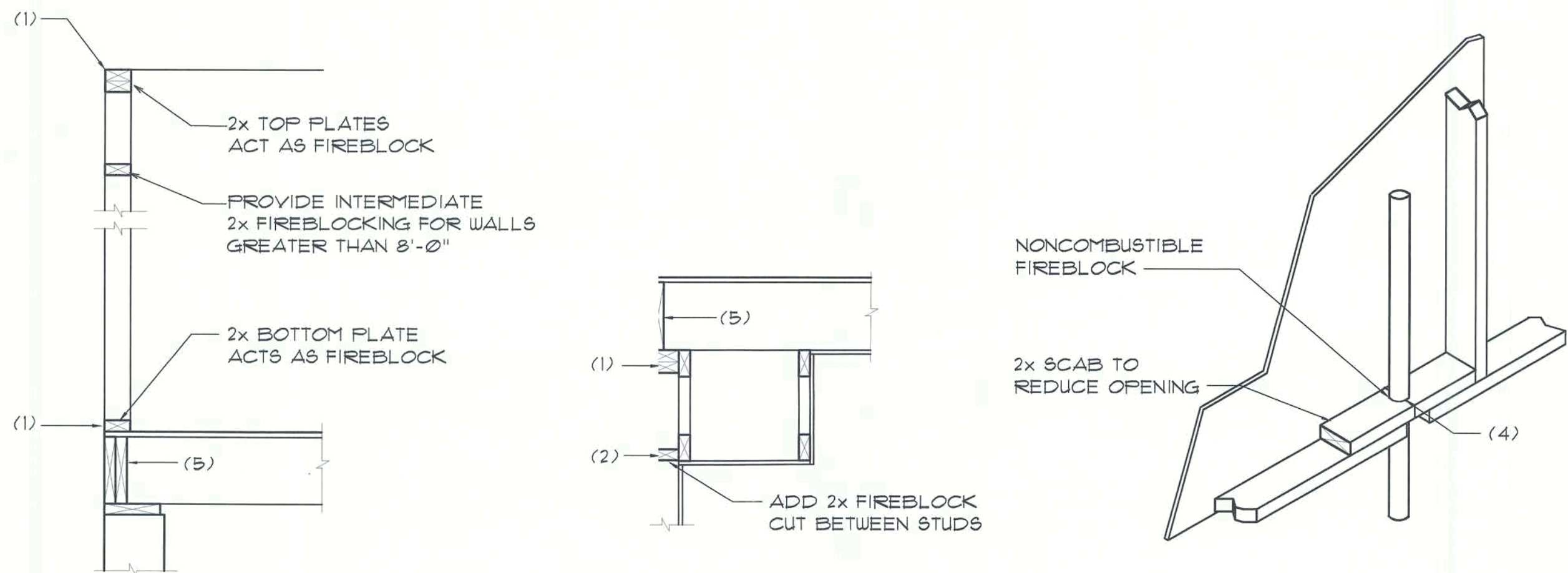
BEARING WALL HEADER



TYPICAL WINDOW HEADER

Typical Framing DETAILS

SCALE: NONE FRAMING DETAILS ON THIS SHEET ARE GENERAL IN NATURE AND ARE NOT TO SCALE.



Platform Framing

Soffit/Dropped Clg.

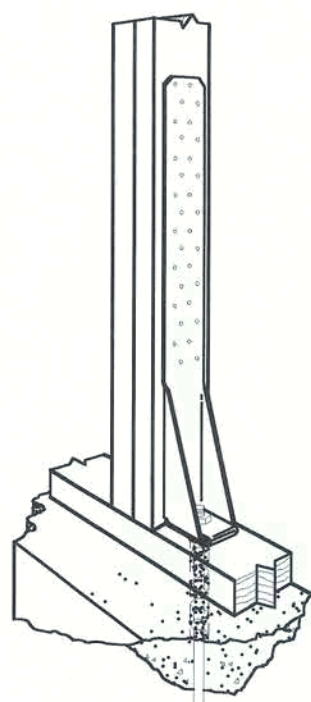
Penetrations

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.

FIREBLOCKING NOTES:

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

- IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
- AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
- IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN.
- AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROFLEX MULTIFLEX SEALANT".
- 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.



HOLD-DOWN DEVICE

Fire Blocking DETAILS

SCALE: NONE

Connector Schedule

FRAMING ANCHORS

APPLICATION	MANUF./MODEL	CAP.
TRUSS TO WALL:	SIMPSON H16, W/ 6 - 10d NAILS	1470*
TRUSS TO WALL @ PORCH:	SIMPSON H10, W/ 8 - 8d NAILS	915*
HEADER TO KING STUD(S):	SIMPSON ST22	1370*
PLATE TO STUD:	SIMPSON SP2	1065*
STUD TO SILL:	SIMPSON SP1	585*
MISC. JOINTS:	SIMPSON A34	315*/240*
COLUMN TO BEAM:	SIMPSON FC46	1430*
COLUMN TO BASE:	SIMPSON ABU66	2300*
COLUMN TO BASE (CARPORT):	SIMPSON ABU46	2300*
ANCHOR BOLTS:	1/2" A307 BOLTS @ 48" O.C.	
HOLD-DOWN DEVICE:	SIMPSON HTT22 @ EA. CORNER AND OPENING	5250*

WALL TENSION: WALL SHEATHING NAILS ARE ADEQUATE - 8d @ 6"

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

ROOF DECKING

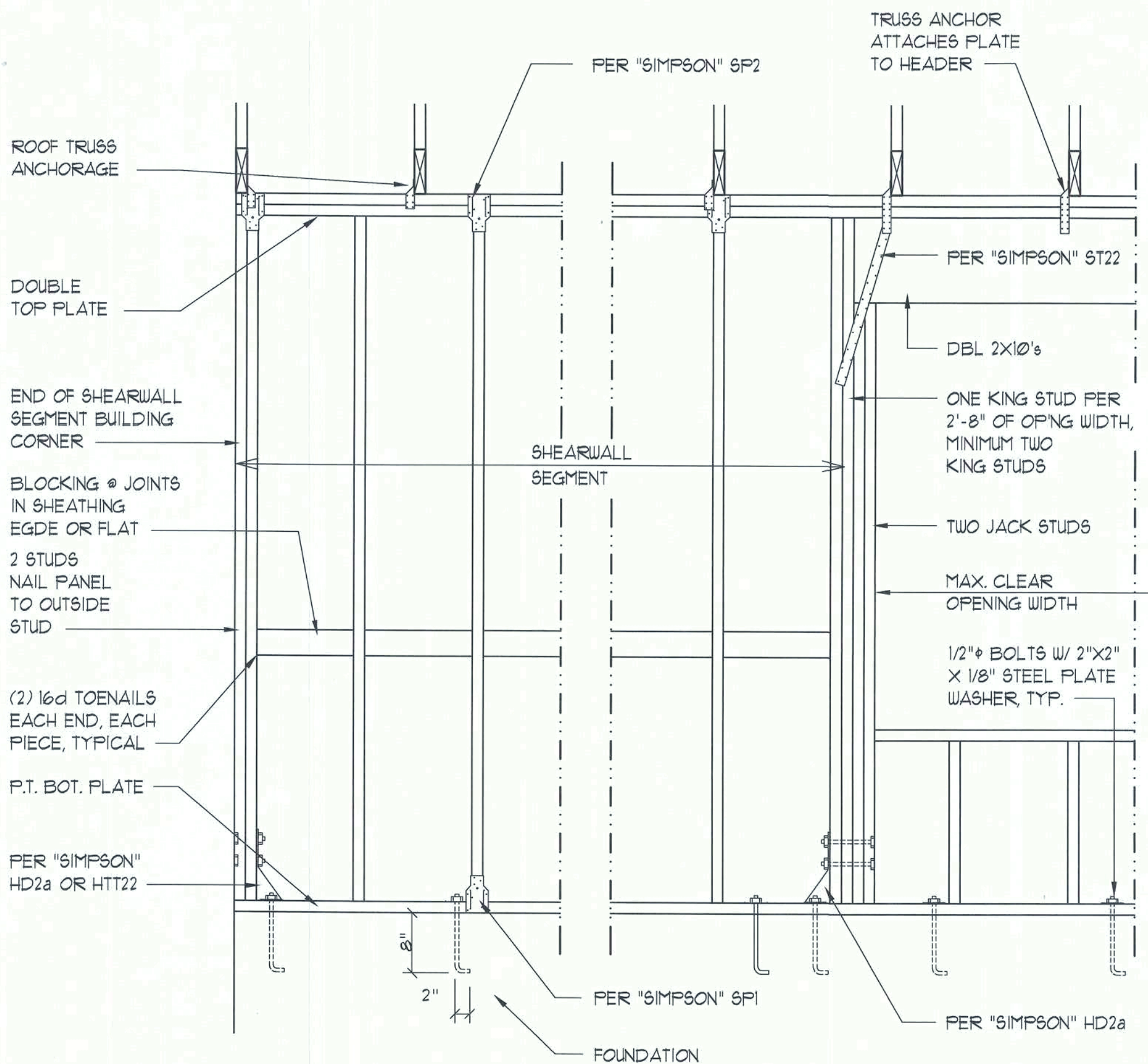
MATERIAL:	1/2" CD FLYWD. OR 1/2" O.S.B.
FASTENERS:	10d @ 6" O.C. EDGES & 12" O.C. INT.
SHEARWALLS	(ALL EXTERIOR WALLS ARE SHEARWALLS)
MATERIAL:	1/2" CD FLYWD. OR 1/2" O.S.B.
FASTENERS:	8d @ 6" O.C. EDGES & 12" O.C. INT.
DRAW STRUT:	DOUBLE TOP PLATE W/ 16d @ 12" O.C.
WALL STUDS:	SPRUCE HEM FIR - 2X4 STUDS @ 16" O.C.

HEADER SPANS FOR EXTERIOR BEARING WALLS

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

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1606, FLORIDA BUILDING CODE, 2001 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
COMPONENTS & CLADDING DESIGN WIND PRESSURE:	ROOF: - 55.0 PSF WALLS: - 29.0 PSF



SHEARWALL NOTES:

- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-91 SBBICI 305.4.3.
- THE WALL SHALL BE ENTIRELY SHEATHED WITH 1/2" CD FLYWD. 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. (SEE 'CONNECTOR SCHEDULE').
- 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
FR 6' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
FR 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3

NOTE:
ALL EXTERIOR WALLS WITH RUNS OF 8'-0" OR GREATER SHALL BE CONSTRUCTED AS SHEAR WALLS - SUCH WALL SEGMENTS SHALL CONTAIN DOOR/WINDOW OPENINGS ONLY AS ALLOWED BY THE SHEAR WALL NOTES, ABOVE.

Shear Wall DETAILS

SCALE: NONE

REVISION:

DRAWN:

DJR

CUSTOM DESIGNED HOME FOR:
Scott & Jessica Cassidy
COLUMBIA COUNTY, FLORIDA
Framing Details

ADD
ARCHITECTURAL DRAFTING & DESIGN
DAVID J. ROYAL
LAKE CITY, FL - 386-752-4670

NICHOLAS GEISLER ARCHITECT
1758 NW Brown Rd.
33607-7552
N.C.A.R.B. CERTIFIED

DATE:

28OCT2005

COMM:

SHEET:

A7

7 OF 15

07 NOV 2005
AR0007005

GALV. UPLIFT CONNECTORS SHALL BE PROVIDED AT EACH TRUSS, IN ACCORDANCE WITH THE FLORIDA BUILDING CODE SECTION 1606. (DESIGN: 110 MPH WIND LOAD)

25 YR. MILDEW RESISTANT FIBERGLASS SHINGLES (OR OPTIONAL ARCHITECTURAL METAL ROOF) INSTALLED PER MANUFACTURER'S RECOMMENDATIONS FOR 110 MPH WINDS.

30# FELT OVER 1/2" PLYWOOD OR O.S.B. SHEATHING

'SIMPSON H16' HURRICANE UPLIFT CONNECTOR, SEE 'CONNECTOR SCHEDULE' DWG. A1 FOR DETAILS

VINYL SOFFIT & FASCIA
TYP.
OVERHANG

NOTE: PROVIDE 'TYVEK' WIND INFILTRATION BARRIER OVER EXTERIOR PLYWOOD SHEATHING.

1/2" PLYWOOD OR O.S.B. SHEATHING W/18 NAILS @ 6" INT & 12" EXT.

6" 'HARDI-BOARD' SIDING

FINISH GRADE, SLOPE AWAY FROM FOUNDATION @ MIN. 3%, TYP. ALL AROUND

2-2X4 SILL PLATE
2X4 STUD WALLS @ 16" O.C.
1/2" ANCHOR BOLTS @ 48" O.C. W/ 2X2X1/8" WASHERS (MINIMUM 6" EMBEDMENT)
2X4 P/T PLATE
4" THK. 3000 PSI FIBERMESH CONC. SLAB W/6X6 10/10 WWM. OVER CLEAN COMPACTED AND TREATED FILL
T/FIN. FL. EL. +1'-0"-0"

006 VINYL MEMBRANE W/6" SEALED LAP
8" CMU BOND BEAM W/5 BAR CONT/25" MIN. LAP
#5 DOWELS @ 48" O.C. MAX.

3-#5 BARS CONTINUOUS

PREFABRICATED WOOD ATTIC TRUSSES @ 24" O.C. - TRUSS DESIGN SHALL BE CERTIFIED BY A FLORIDA ENGINEER TO WITHSTAND 110 MPH WINDS.

NOTE: PROVIDE FIRE-STOPPING WHEN REQ'D. SEE DWG. A1 FOR TYPICAL DETAILS.

VINYL WINDOWS W/SCREENS, SEE 'FLOOR PLAN' DWG. A2 FOR SIZES & SEE 'WINDOW SCHEDULE' DWG. A11 FOR FASTENER REQUIREMENTS

1/2" GYPSUM BOARD
2-2X4 SYP TOP PL.
1/2" GYPSUM BOARD
2-2X HEADER SEE 'HEADER SCHEDULE' DWG. A1 FOR SIZE

10'-0" CEILING HEIGHT (HOUSE)

NOTE: ASSUMED SOIL BEARING CAPACITY 1000 PSF

Typ. Wall Section

SCALE 3/4" = 1'-0" TYPICAL HOUSE WALL SECTION

B
A2, A3

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30# FELT OVER 1/2" PLYWOOD OR O.S.B. SHEATHING

'SIMPSON H16' HURRICANE UPLIFT CONNECTOR, SEE 'CONNECTOR SCHEDULE' DWG. A1 FOR DETAILS

(2) SYP 2X4 TOP PLATE
(2)2X12 HEADER W/1/2" PLYWD. SPACER
'SIMPSON 'CC46' CAP CONNECTOR

4"X6" P/T POST COLUMN, SEE 'SECTION A-A' THIS DWG.

"A" "A"

'SIMPSON 'ABU46' BASE CONNECTOR W/2 5/8" BOLTS, IN FILLED CELLS

8" CONCRETE BLK. W/5 DOWELS @ 48" O.C. IN FILLED CELLS, SEE 'FLOOR PLAN' FOR WALL LOC.

4" THK. 3000 PSI FIBERMESH CONC. SLAB W/6X6 10/10 WWM. OVER CLEAN COMPACTED AND TREATED FILL

FINISH GRADE, SLOPE AWAY FROM FOUNDATION @ MIN. 3%, TYP. ALL AROUND

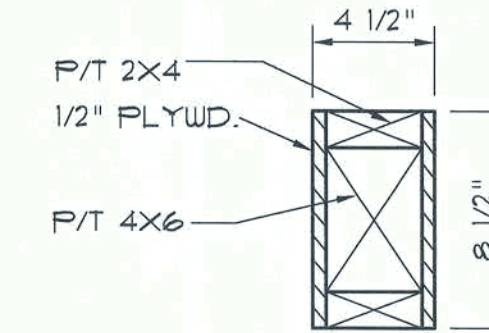
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#5 DOWELS @ 48" O.C. MAX.

3-#5 BARS CONTINUOUS

Typ. Wall Section

SCALE 3/4" = 1'-0" CARPORT @ COLUMN

C
A2, A3



NOTE: SUPPORT COLUMN TO BE BOXED IN PER OWNER'S SPECIFICATION.

SECTION "A-A"

REVISION:

DRAWN:

DJR

CUSTOM DESIGNED HOME FOR:
Scott & Jessica Cassidy
COLUMBIA COUNTY, FLORIDA
Typ. Wall Sections

ARCHITECTURAL DRAFTING & DESIGN
DAVID J. ROYAL
LAKE CITY, FL - 386-752-4670

NICHOLAS
FAXLER
ARCHITECT
1725 NW Brown Rd.
Lake City, FL 32055
386-752-4670

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A8
8 of 15

NOV 2005
AR0007005

REVISION:

DRAWN:

DJR

CUSTOM DESIGNED HOME FOR:
Scott & Jessica Cassidy
COLUMBIA COUNTY, FLORIDA
Typ. Bldg. Section

ADD
ARCHITECTURAL DRAFTING & DESIGN
DAVID J. ROYAL
LAKE CITY, FL - 386-752-4670

N3
NICHOLAS GEISLER ARCHITECT
1758 NW Brown Rd.
Lake City, FL 33701
N.C.A.R.B. Certified

DATE:

28 OCT 2005

COMM:

SHEET:

A9

9 OF 15

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30# FELT OVER 1/2" PLYWOOD OR O.S.B. SHEATHING

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'SIMPSON H10' HURRICANE UPLIFT CONNECTOR, SEE 'CONNECTOR SCHEDULE' DWG. A1 FOR DETAILS

'SIMPSON H10' HURRICANE UPLIFT CONNECTOR, SEE 'CONNECTOR SCHEDULE' DWG. A1 FOR DETAILS

'SIMPSON H16' HURRICANE UPLIFT CONNECTOR, SEE 'CONNECTOR SCHEDULE' DWG. A9 FOR DETAILS

'SIMPSON H16' HURRICANE UPLIFT CONNECTOR, SEE 'CONNECTOR SCHEDULE' DWG. A9 FOR DETAILS

T/HEADER EL. + 9'-5 1/4"

T/HEADER EL. + 9'-5 1/4"

VINYL SOFFIT & FASCIA
TYP. OVERHANG

VINYL SOFFIT & FASCIA
TYP. OVERHANG

1/2" PLYWOOD W/FINISHED PER OWNER'S SPECIFICATIONS
2-2X HEADER, SEE 'HEADER SCHEDULE' FOR SIZE

1/2" PLYWOOD W/FINISHED PER OWNER'S SPECIFICATIONS
2-2X HEADER, SEE 'HEADER SCHEDULE' FOR SIZE

2-2X4 SYP TOP PL.
1/2" GYPSUM BOARD
2-2X HEADER, SEE 'HEADER SCHEDULE' DWG. A1 FOR SIZE

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NOTE: PROVIDE FIRE-STOPPING WHEN REQ'D. SEE DWG. A1 FOR TYPICAL DETAILS.

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NOTE: PROVIDE 'TYVEK' WIND INFILTRATION BARRIER OVER EXTERIOR PLYWOOD SHEATHING.

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1/2" PLYWOOD OR O.S.B. SHEATHING W/88 NAILS @ 6" INT & 12" EXT.

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6" 'HARDBOARD' SIDING PER OWNER'S SPECIFICATIONS

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6"x6" POSTS USE SIMPSON *ABU66 BASE CONNECTORS @ EA. COLUMN

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4" THK. 3000 PSI FIBERMESH CONC. SLAB W/6X6 10/10 WWM. OVER CLEAN COMPACTED AND TREATED FILL.

2-2X4 SILL PLATE
2X4 STUD WALLS @ 16" O.C.
1/2" ANCHOR BOLTS @ 48" O.C. W/ 2X2X1/8" WASHERS (MINIMUM 6" EMBEDMENT)
2X4 P/T PLATE
4" THK. 3000 PSI FIBERMESH CONC. SLAB W/6X6 10/10 WWM. OVER CLEAN COMPACTED AND TREATED FILL

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1/2" ANCHOR BOLTS @ 48" O.C. W/ 2X2X1/8" WASHERS (MINIMUM 6" EMBEDMENT)
2X4 P/T PLATE

SLOPE: 1/8"/FT.

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006 VINYL MEMBRANE W/6" SEALED LAP

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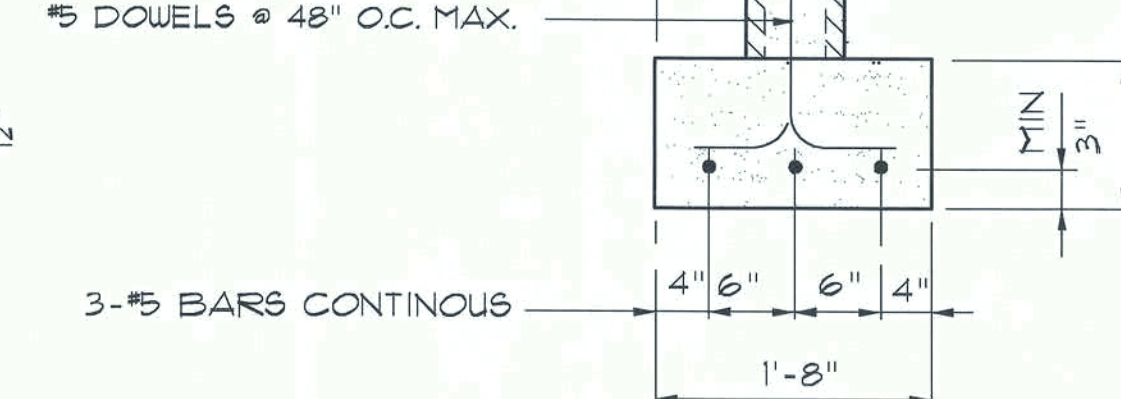
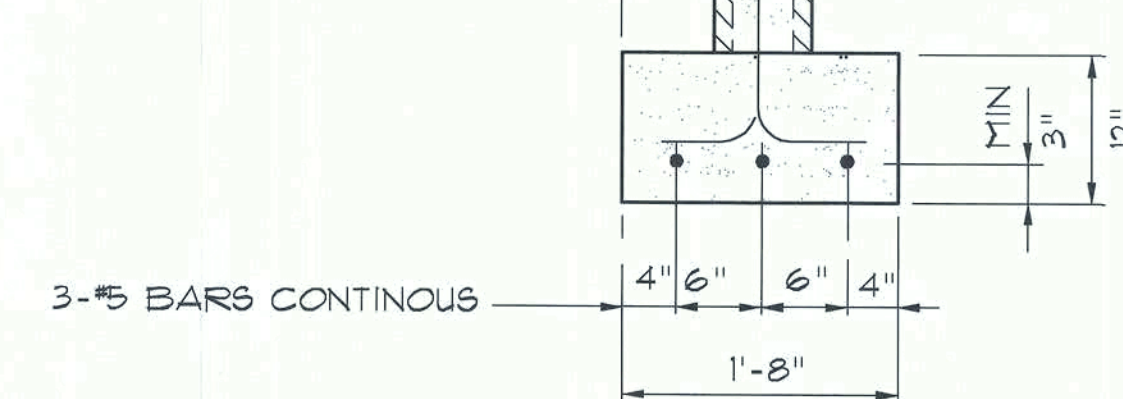
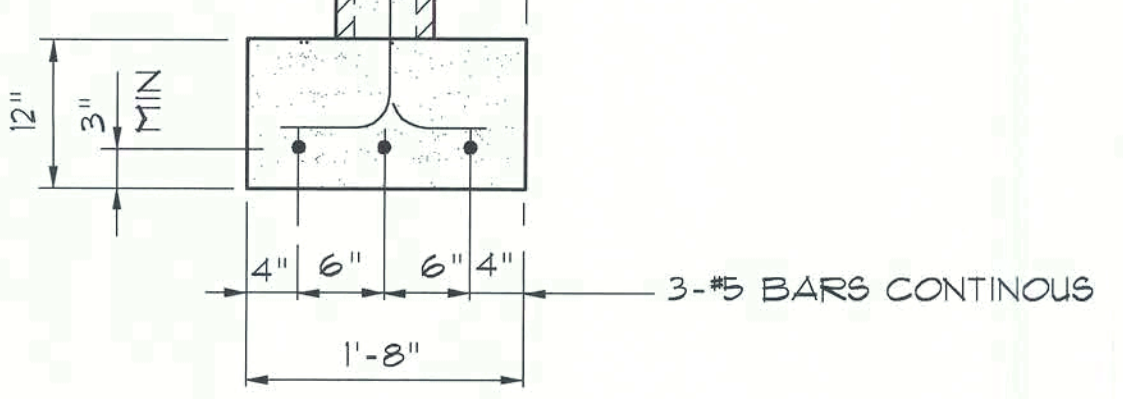
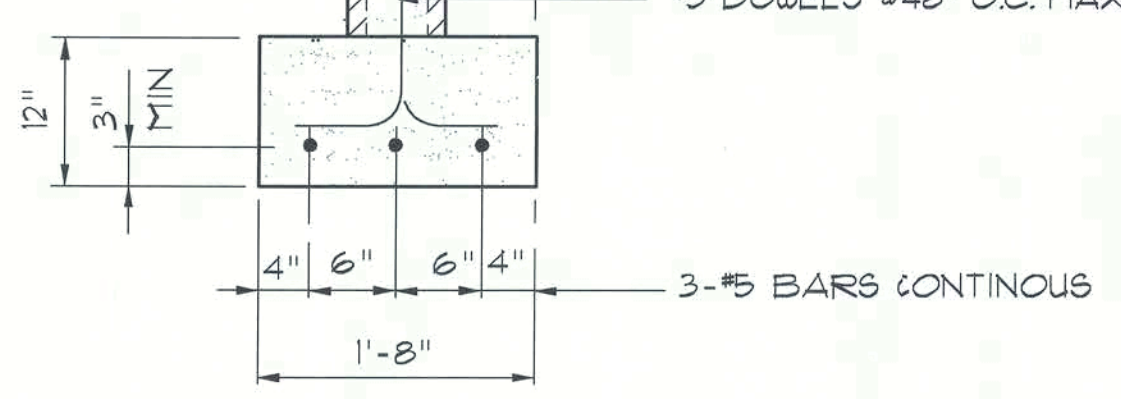
8" CMU BOND BEAM W/5 BAR CONT

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5 DOWELS @ 48" O.C. MAX.

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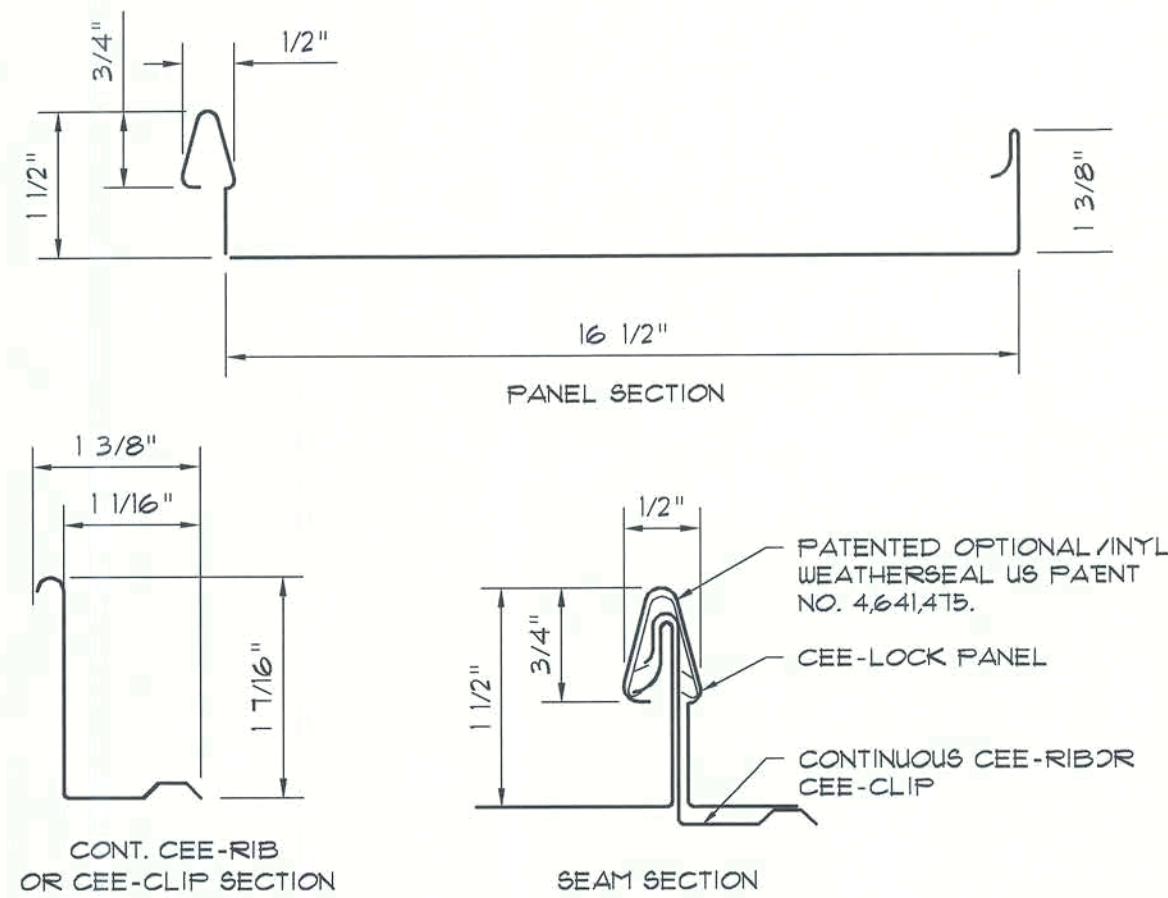
FRONT PORCH SECTION

REAR PORCH SECTION

NOTE: ASSUMED SOIL BEARING CAPACITY 1000 PSF

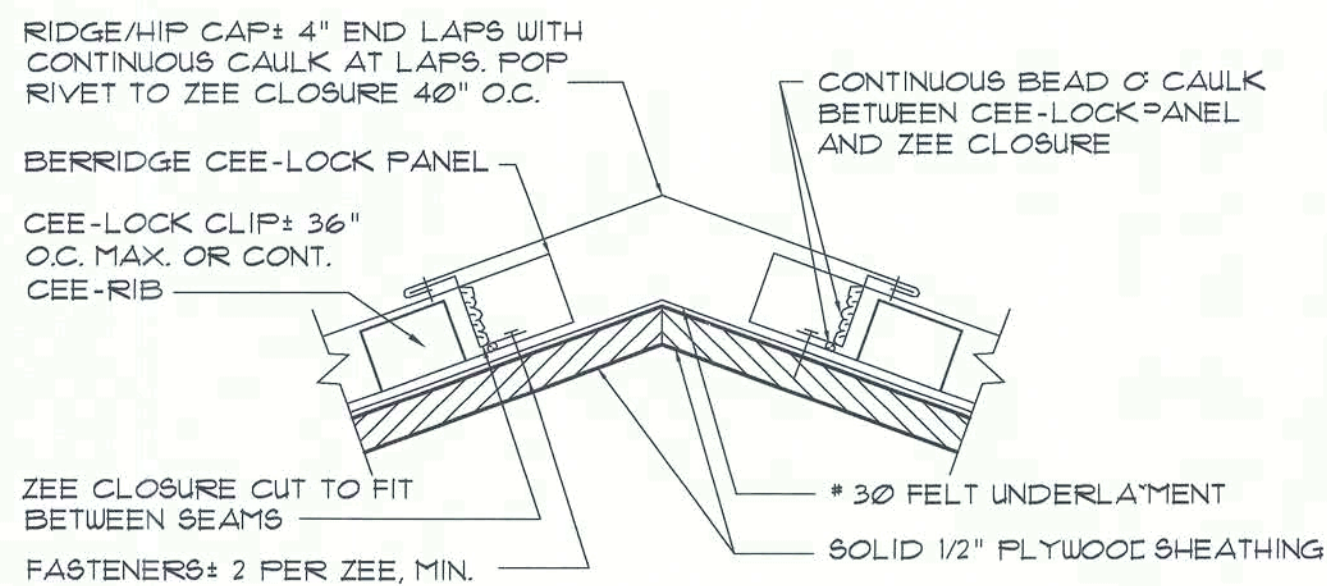
Typical Building Section
SCALE 3/4" = 1'-0"

A
A2, A3



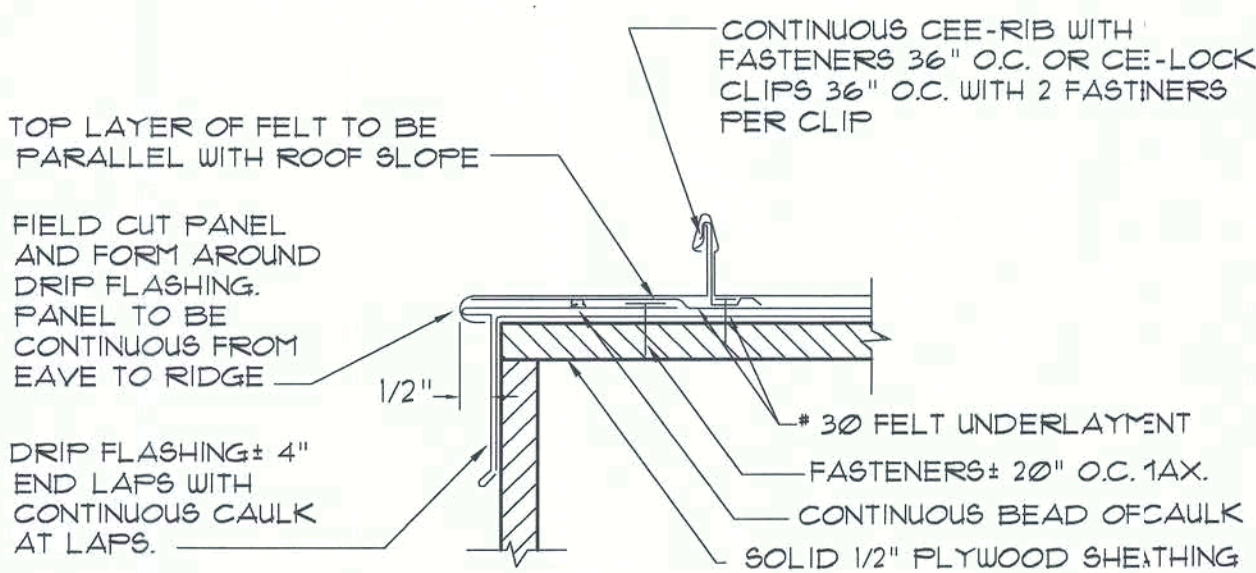
PANEL DETAIL

SCALE: NONE



RIDGE/HIP DETAIL

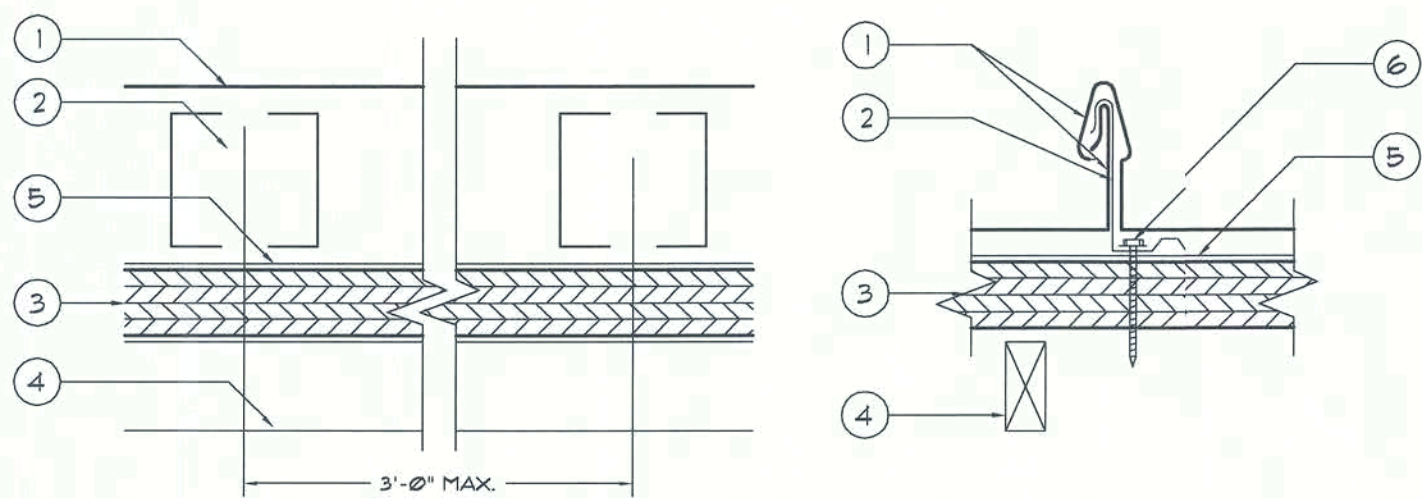
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NOTE: FIELD CUT AND FORM LAST PANEL AROUND DRIP FLASHING. PANEL MUST BE CONTINUOUS FROM RIDGE TO EAVE.

GABLE DETAIL / PANEL TURNDOWN

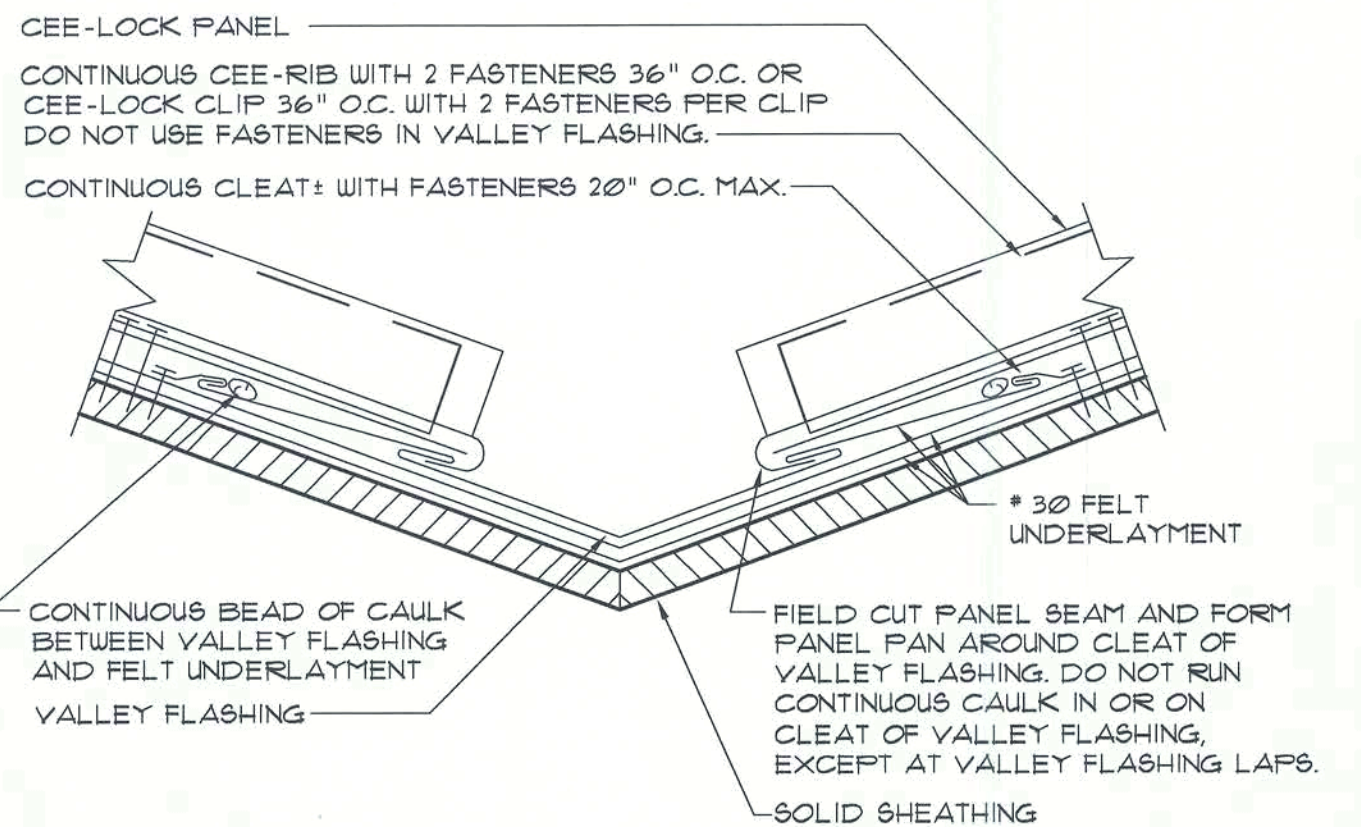
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- CEE-LOCK PANEL - NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) THICKNESS COATED STEEL, 16 1/2 IN. WIDE 1 1/2 IN. HIGH. PANEL (NON-STRUCTURAL VINYL WEATHER SEAL OPTIONAL IN SEAM) CONTINUOUS OVER TWO OR MORE SPANS WITHOUT LAPS.
- CEE-CLIP (PANEL CLIP) - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) COATED STEEL. CEE-CLIP LOCATED AT EACH PANEL SIDE LAPS BEING PLACED AT 3'-0" O.C. MAXIMUM.
- DECK - 5/8" APA 40/20 PLYWOOD.
- JOIST - 2" X 4" AT 2'-0" O.C. MAXIMUM WITH #2 X 2" PAN HEAD WOOD SCREW AT 12" O.C. MAX. AT PLYWOOD TO JOIST CONNECTION AND AT PLYWOOD ENDS.
- * 30 FELT UNDERLAYMENT.
- FASTENERS (SCREWS) - FOR ATTACHING "CEE-CLIP" (ITEM TWO) TO DECK USE NO. 10 PANCAKE HEAD TKS STEEL SCREWS, TWO FASTENER PER "CEE-CLIP".

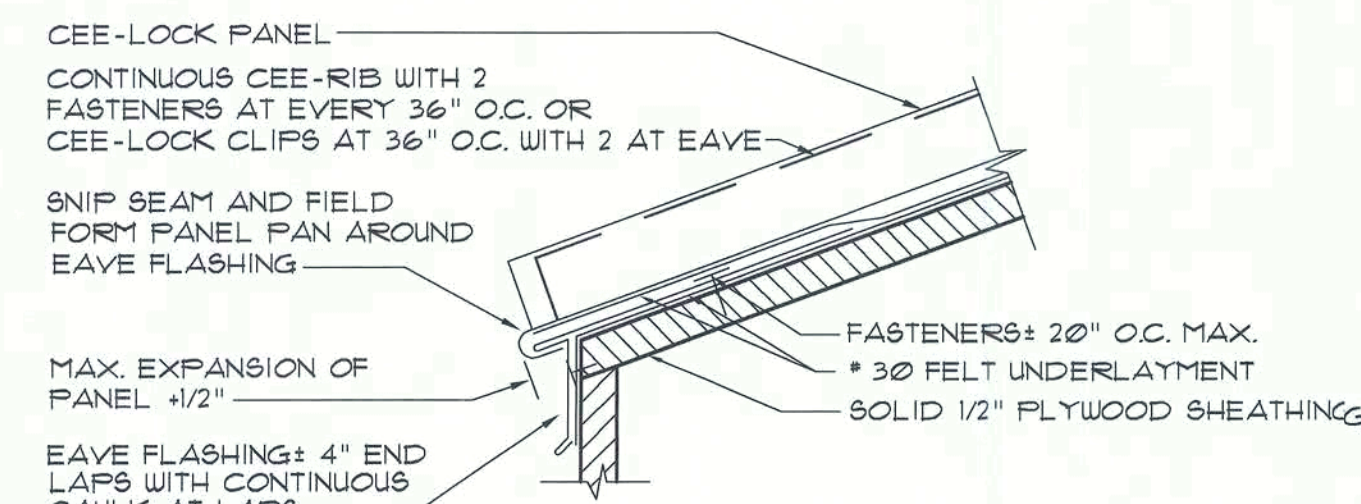
CLIP FASTENER DETAIL

SCALE: NONE



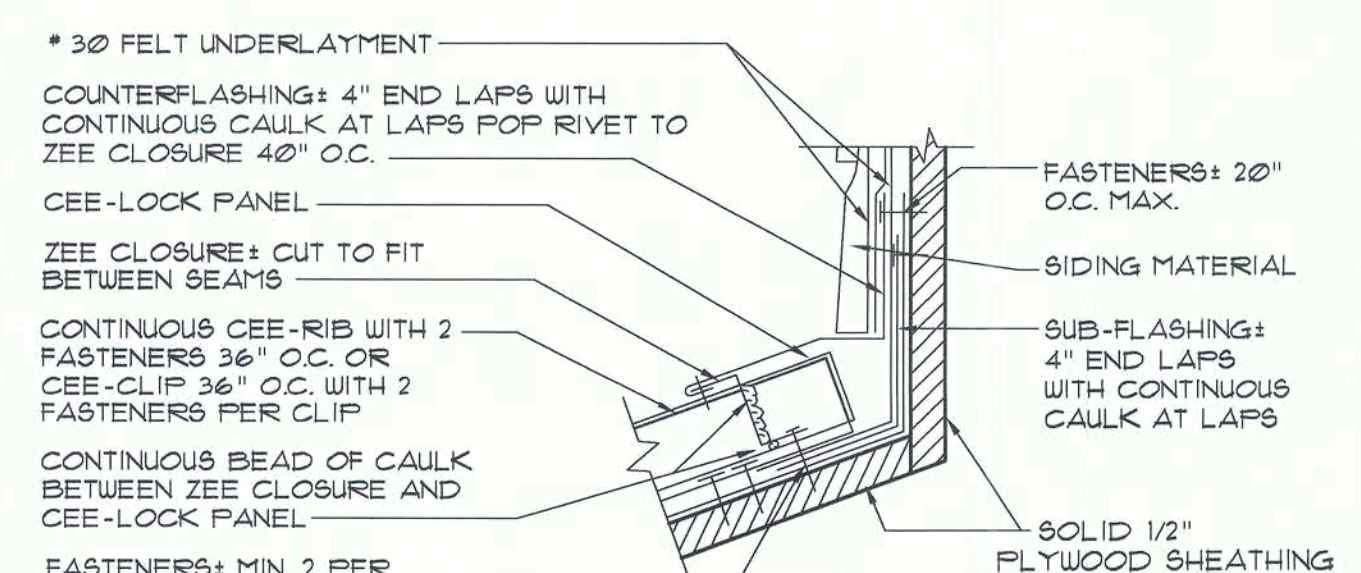
VALLEY DETAIL

SCALE: NONE



EAVE DETAIL

SCALE: NONE



NOTE: FIELD CUT ZEE CLOSURE TO FIT BETWEEN PANEL SEAMS.

FLASHING DETAIL

SCALE: NONE

NOTE: ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, SHALL BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER.

ALL ARCHITECTURAL PANELS ARE 24 GAUGE METAL, TAKE CARE IN HANDLING AND INSTALLATION TO AVOID DAMAGING OR DEFORMING THE PANELS.

NOTE:

THE STANDING SEAM METAL ROOF SYSTEM SHALL COMPLY WITH "BERRIDGE MANUFACTURING COMPANY" SPECIFICATIONS & DETAILS AS SHOWN ON THIS DRAWING, OR AN APPROVED PRODUCT OF EQUAL DESIGN.

BERRIDGE MANUFACTURING COMPANY
1120 MAURY STREET
HOUSTON, TX 77026
1-800-237-8127
<http://www.berridge.com>

APPROVED ALTERNATE:

ENGLERT, INC.
1200 AMBOY AVENUE
PERTH AMBOY, NJ 08862
1-800-610-1975
<http://www.englertinc.com>

STANDING SEAM PANEL INSTALLATION NOTES

- DOUBLE LAYER OF NUMBER THIRTY FELT UNDERLAYMENT OR EQUAL AND THE CEE-LOCK OPTIONAL VINYL WEATHERSEAL (US PATENT NO. 4,641,475) ARE RECOMMENDED FOR ALL APPLICATIONS WHERE THE ROOF SLOPE IS 3 ON 12 OR LESS.
- STRIPPABLE FILM: THE STRIPPABLE PLASTIC FILM WHICH IS APPLIED OVER MOST BERRIDGE PREFINISHED PRODUCTS, PANELS, FLASHINGS, COILS, AND FLAT SHEETS PROVIDES PROTECTION OF THE FINISH DURING FABRICATION AND TRANSIT. THIS FILM MUST BE REMOVED PRIOR TO INSTALLATION.

- SOLID SHEATHING REQUIREMENTS: 5/8" PLYWOOD SHEATHING SHALL BE USED TO PROVIDE SUFFICIENT HOLDING POWER FOR FASTENERS.
- SHEATHING INSPECTION:
 - SHEATHING END JOINTS SHOULD BE STAGGERED.
 - ALL END JOINTS SHOULD MEET AT EITHER A JOIST OR RAFTER.
 - BLOCKING OR "H" CLIPS SHOULD BE USED IF JOISTS DO NOT REMAIN FLAT UNDER THE WEIGHT OF WORKMEN.
 - USE SHIMS TO KEEP ENTIRE SUBSTRATE EVEN. UNEVEN SUBSTRATE WILL RESULT IN "OIL-CANNING" IN PANELS. SUBSTRATE SHOULD BE LEVEL TO 1/4" IN 20'-0".
 - ALL CUTS AT PENETRATIONS SHOULD BE TIGHT, WITHOUT GAPS.
 - USE WOOD-FRAMED CRICKETS AT LARGE PENETRATIONS.
 - MAKE SURE SUBSTRATE JOINTS ARE TIGHT AT ALL HIPS, VALLEYS, AND RIDGES.

- FASCIA/RAKE INSPECTION:
 - STRIKE A LINE THE FULL LENGTH OF THE FASCIA OR RAKE. IF NOT STRAIGHT, CORRECT WITH SHIMS.
 - MAKE SURE FASCIA/RAKE IS FLUSH WITH SHEATHING.

- FELT UNDERLAYMENT: A MINIMUM SINGLE LAYER OF * 30 FELT UNDERLAYMENT (OR EQUAL) MUST BE APPLIED OVER SOLID SHEATHING AS SHOWN IN THE BERRIDGE MANUFACTURING COMPANY TYPICAL FELTING DETAILS. THE USE OF ADDITIONAL LAYERS OF * 30 FELT IS RECOMMENDED ON LOW-SLOPED ROOFS, AT ALL VALLEY CONDITIONS, AT ROOF PENETRATIONS, AND CERTAIN OTHER FLASHING CONDITIONS AS DEPICTED IN THE CEE-LOCK PANEL TYPICAL DETAILS. (THE UNDERLAYMENT MUST COVER THE ENTIRE ROOF DECKED SURFACE).

- FELTING INSTALLATION:
 - DO NOT USE RED ROSIN PAPER UNDER METAL ROOFING PANELS.
 - SWEEP ROOF AREA CLEAN.
 - USE FLAT HEAD GALVANIZED ROOFING NAILS X 1 1/4" LONG WITH BERRIDGE GALVANIZED FELT CAPS.
 - INSTALL VALLEY FELT FIRST.
 - INSTALL FELT PARALLEL TO EAVE (2 LAYERS REQUIRED AT EAVE). STARTING AT EAVE AND USING MINIMUM 6" LAPS, USE TWO LAYERS OF FELT ON ENTIRE ROOF DECK IF ROOF SLOPE IS 3 ON 12 OR LESS. 2 LAYERS OF FELT REQUIRED AT EAVE REGARDLESS OF SLOPE.

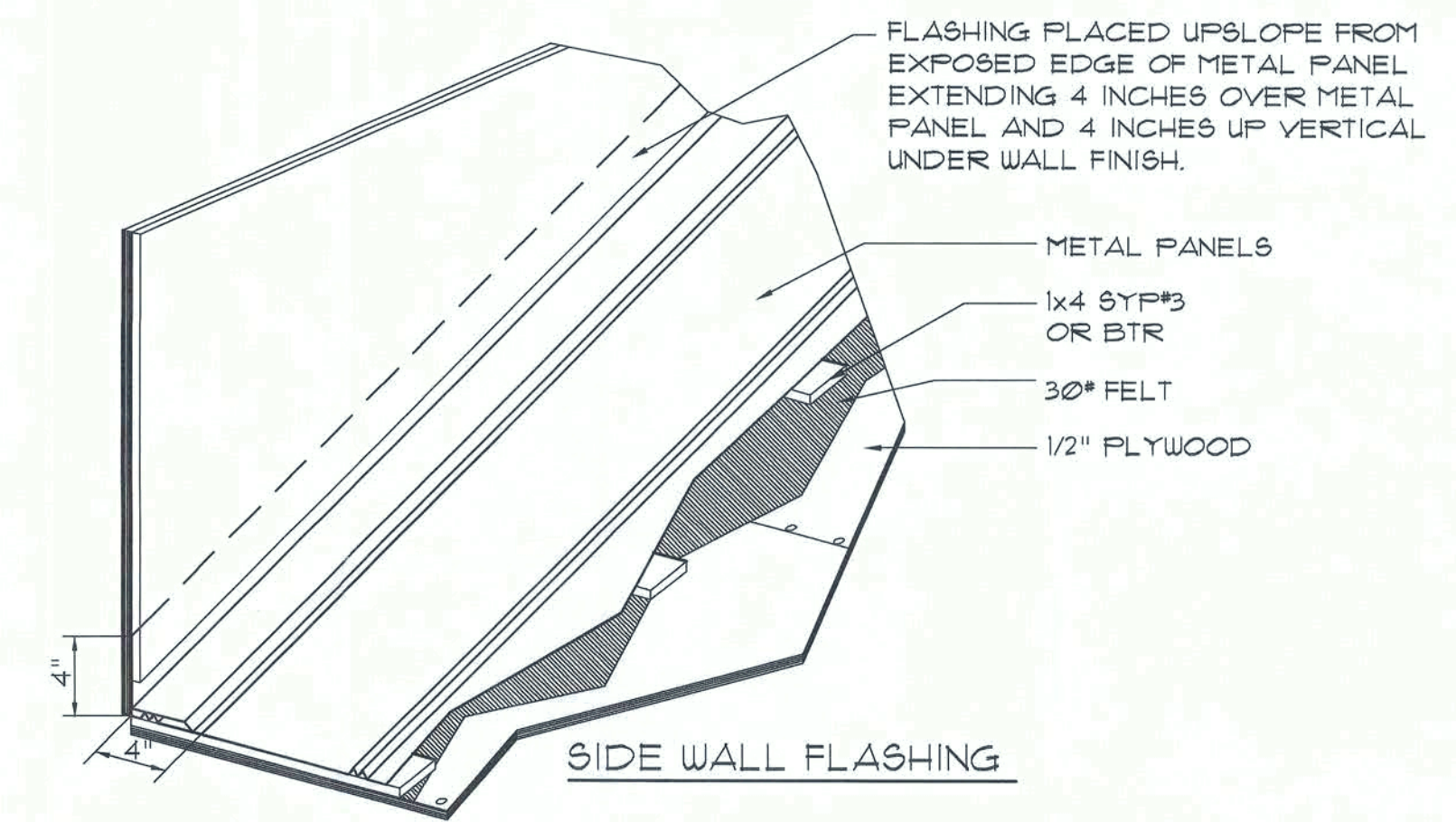
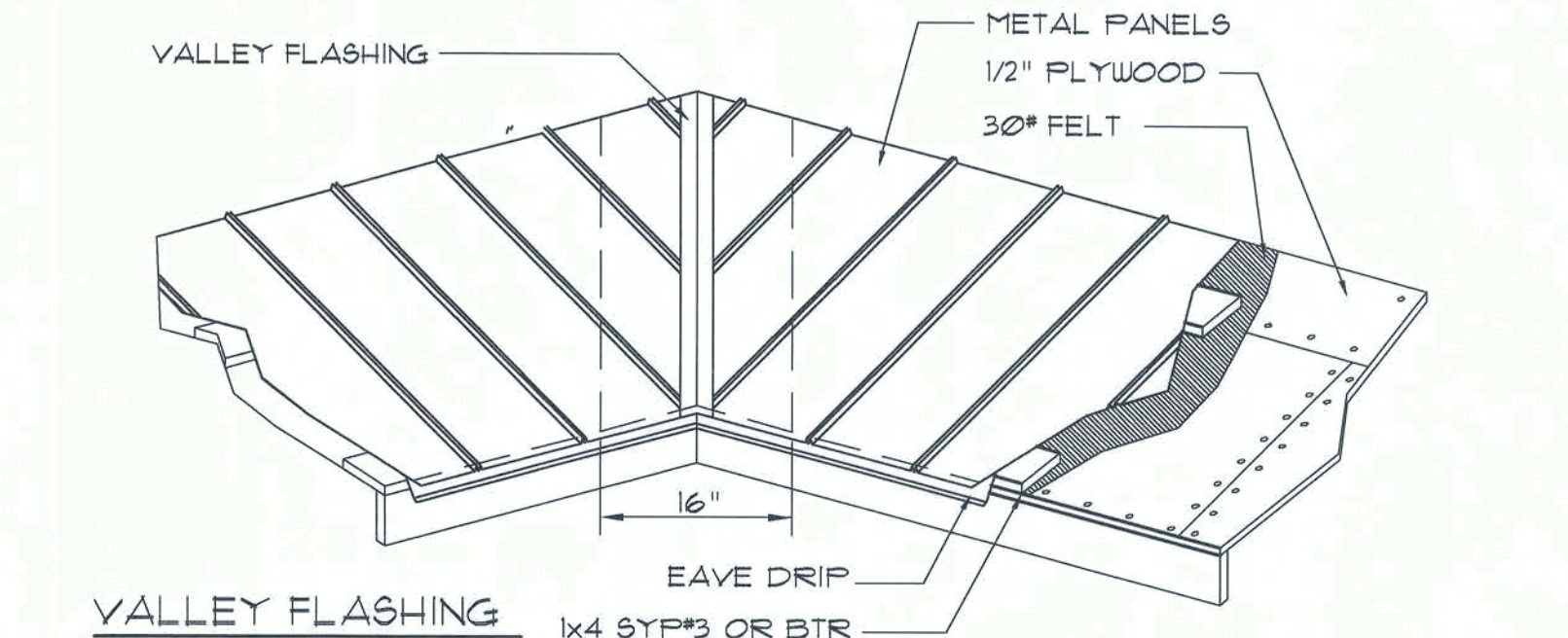
- FLASHING: IF BERRIDGE MANUFACTURING COMPANY IS TO SUPPLY FLASHINGS, ALL FLASHINGS WILL BE FABRICATED IN 10'-0" LENGTHS WITH SQUARE END CUTS ONLY. THE PURCHASER MUST PROVIDE ALL DIMENSIONS AND DEGREE OF ANGLES.
- FLASHING INSTALLATION:
 - REMOVE STRIPPABLE PLASTIC FILM FROM ALL FLASHINGS PRIOR TO INSTALLATION.
 - ALWAYS STAGGER JOINTS WHEN ONE FLASHING IS INSTALLED OVER OTHER FLASHING.
 - INSTALL ALL FLASHINGS AS PER BERRIDGE TYPICAL DETAILS.
 - ALL FLASHINGS ARE TO BE DESIGNED AND INSTALLED TO NOT TRAP WATER.

- PANEL INSTALLATION:
 - REMOVE STRIPPABLE PLASTIC FILM FROM EACH PANEL PRIOR TO INSTALLATION.
 - START PANEL INSTALLATION AT ON GABLE END OF THE ROOF, WORKING TOWARD THE OTHER GABLE END. MAKE SURE PANELS ARE PERPENDICULAR TO THE EAVE. AT VALLEY AREAS, MAKE SURE PANELS ARE INSTALLED SO THAT DRAINAGE HAS FREE FLOW AND IS NOT OBSTRUCTED BY PANEL SEAMS.

- BEGIN BY INSTALLING J-CLIP AND/OR DRIP FLASHING AT GABLE THEN PLACING FIRST CEE-LOCK CONTINUOUS LENGTH PANEL.
- INSTALL CEE-LOCK CLIPS OR CONTINUOUS CEE-RIB AS PER BERRIDGE TYPICAL DETAILS AND CEE-LOCK CONTINUOUS RIB/CLIP INSTALLATION NOTES.
- IF OPTIONAL VINYL WEATHERSEAL (US PATENT 4,641,475) IS TO BE USED, THIS WILL BE EITHER FACTORY INSTALLED OR INSTALLED IN THE FIELD AS THE CEE-LOCK PANEL EXITS FROM THE CL-21 PORTABLE ROLL FORMER.
- INSTALL PANELS BY PLACING THE FEMALE LEG OVER THE MALE LEG AND CONTINUOUS CEE-RIB OR CLIP AND SNAPPING THE INTEGRAL SEAM INTO PLACE WITH HAND PRESSURE. DO NOT USE EXCESSIVE FORCE, FOOT PRESSURE OR OTHER TOOLS SUCH AS MALLETS AS THIS WILL SCRATCH OR DENT THE PANEL RIB AND CAUSE DEFORMATION TO THE VINYL WEATHERSEAL.
- EACH PANEL IS TO BE KEPT TIGHT AGAINST THE LEG OF THE ADJOINING PANEL. NEVER PERMIT A GAP BETWEEN VERTICAL LEGS.
- KEEP PANELS ALIGNED SO THAT SEAMS MATCH AT HIPS, VALLEYS AND WHERE VERTICAL PANELS ADJOIN ROOF PANELS. DO NOT INSTALL LONG CONTINUOUS RUNS OF PANELS ALL AT ONE TIME WHERE SEAM LINES MUST MATCH. INSTALL TEN OR TWELVE PANELS IN ONE ELEVATION AND THEN FOLLOW WITH A LIKE NUMBER OF PANELS ON THE OTHER ELEVATION. WHEN YOU INSTALL PANELS IN THIS MANNER, YOU WILL BE ABLE TO MAKE ANY ADJUSTMENTS REQUIRED TO INSURE SEAM MATCHING.
- COPPER-COTE, CHAMPAGNE, LEAD-COTE, AND PREWEATHER GALVALUME PANEL INSTALLATION: NOTE THE SERIES OF ARROWS POINTING ON THE UNDERSIDE OF THE PANEL. ALL PANELS MUST BE INSTALLED IN CONSISTENT MANNER, MEANING THAT THE ARROWS ON EVERY PANEL ARE ALL POINTING IN THE SAME DIRECTION. IF A PANEL IS REVERSED (ARROWS POINTING OPPOSITE DIRECTION) IT WILL APPEAR FROM A DISTANCE, A DIFFERENT SHADE DUE TO THE GRANULAR OF THE FINISHES IN THE FINISH. METALLIC FINISHES ARE MATCH - LOT FINISHES. DO NOT MIX LOTS.

- CEE-LOCK CLIP INSTALLATION:
 - INSTALL CLIPS AT PER BERRIDGE TYPICAL CEE-LOCK PANEL DETAILS.
 - CLIP SPACING ON SOLID SHEATHING TYPICALLY 36" ON CENTER.
- FASTENERS:
 - PLATED FASTENERS WHEN FASTENING TO WOOD. MAKE SURE ALL FASTENERS ARE DRIVEN STRAIGHT AND SET FLAT. DO NOT OVERDRIVE FASTENERS AS THIS WILL CAUSE THE CLIP AND/OR FLASHINGS TO BUCKLE OR BECOME RECESSED BELOW THE ELEVATION OF THE SUBSTRATE.
- SEALANT RECOMMENDATIONS: TREMCO, INC. SPECTREM 1 SILICONE SEALANT. DO NOT USE CLEAR CAULK.

SM-RIB METAL ROOFING PANELS ALTERNATE FASTENER SCHEDULE FOR VARIOUS WIND VELOCITIES							
MANUFACTURER'S RECOMMENDED FASTENER SCHEDULE FOR BUILDINGS W/ < 35' MEAN ROOF HEIGHT, MIN. 3/12 PITCH BASED ON ASCE 7-98, EXPOSURE "C"							
ROOF ZONE	FASTENER TYPE	FASTENER SIZE	PLACEMENT TO	100 - 110 O/C SPACING	120 - 130 TRIM	140 - 150 O/C SPACING	160 - 170 TRIM
1	WD. SCREW	#8 X 1 1/2"	WOOD	36"	18"	24"	12"
	MTL. SCR.	#12 X 1" #14 X 7/8"	< 18 GA > 18 GA	36"	18"	24"	12"
2 & 3	WD. SCREW	#8 X 1 1/2"	WOOD	36"	18"	24"	8"
	MTL. SCR.	#12 X 1" #14 X 7/8"	< 18 GA > 18 GA	36"	18"	24"	8"



SM-RIB PANEL INSTALLATION NOTES

UNDERLAYMENT APPLICATION:
FOR ROOF SLOPES FROM 3:12 TO 4:12, UNDERLAYMENT SHALL BE A MIN. 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 MIN. 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.
OR 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.

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/ MFG'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 11 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

DECK REQUIREMENTS:
METAL PANELS MUST BE FASTENED TO MIN. 1/2" CDX PLYWOOD.

SLOPE:
METAL PANELS SHALL BE USED ONLY ON ROOF SLOPES OF 3:12 OR GREATER.
CAULKING:
MUST BE APPROVED BY THE MANUFACTURER BUTYL SEALANT SUPPLIED IN TAPE OR GUN-GRADE FORM.

METAL PANEL:
METAL PANELS SHALL BE MIN. 26 GAUGE AND COMPLY WITH ASTM A-792 AND D 7-98 EXPOSURE C.

FASTENERS:
FASTENERS FOR METAL PANELS SHALL BE GALVANIZED WOOD FAST SCREW, MIN. OF #8 X 1 1/2" HEX HEAD.

BASE AND CAP FLASHINGS:
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFG'S INSTALLATION INSTRUCTIONS.

REVISION:

DRAWN:

DJR

CUSTOM DESIGNED HOME FOR:
Scott & Jessica Cassidy
COLUMBIA COUNTY, FLORIDA
Optional Metal Roof

ARCHITECTURAL DRAFTING & DESIGN
DAVID J. ROYAL
LAKE CITY, FLORIDA - 732-4670

ARCHITECT
NICHOLAS PAUL GEISLER
N.C.A.R.B. Certified
Rank: 17, Exp: 1098
Lake City, FL 32095
904/735-6608

DATE:

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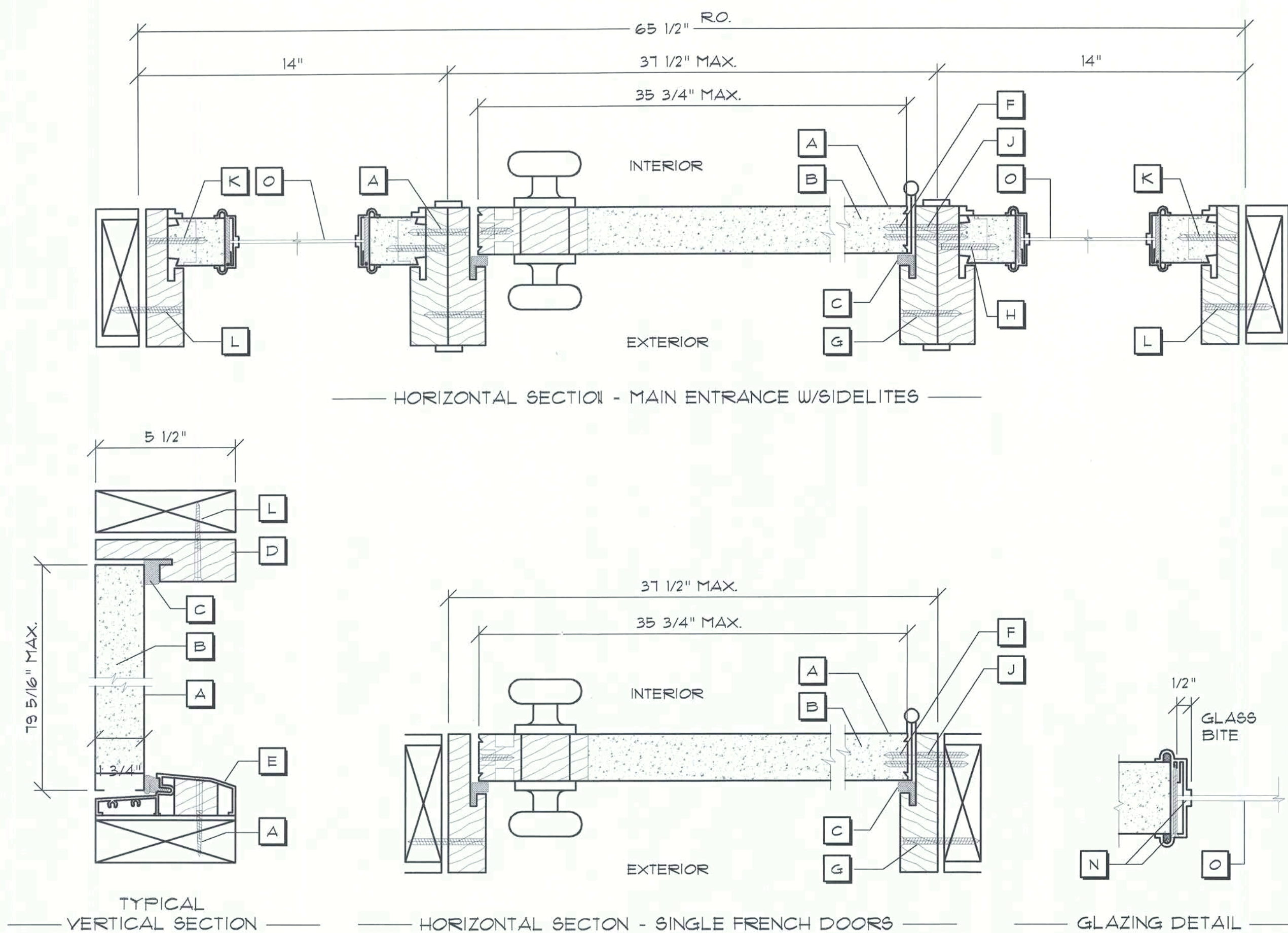
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Standing Seam Metal Roof

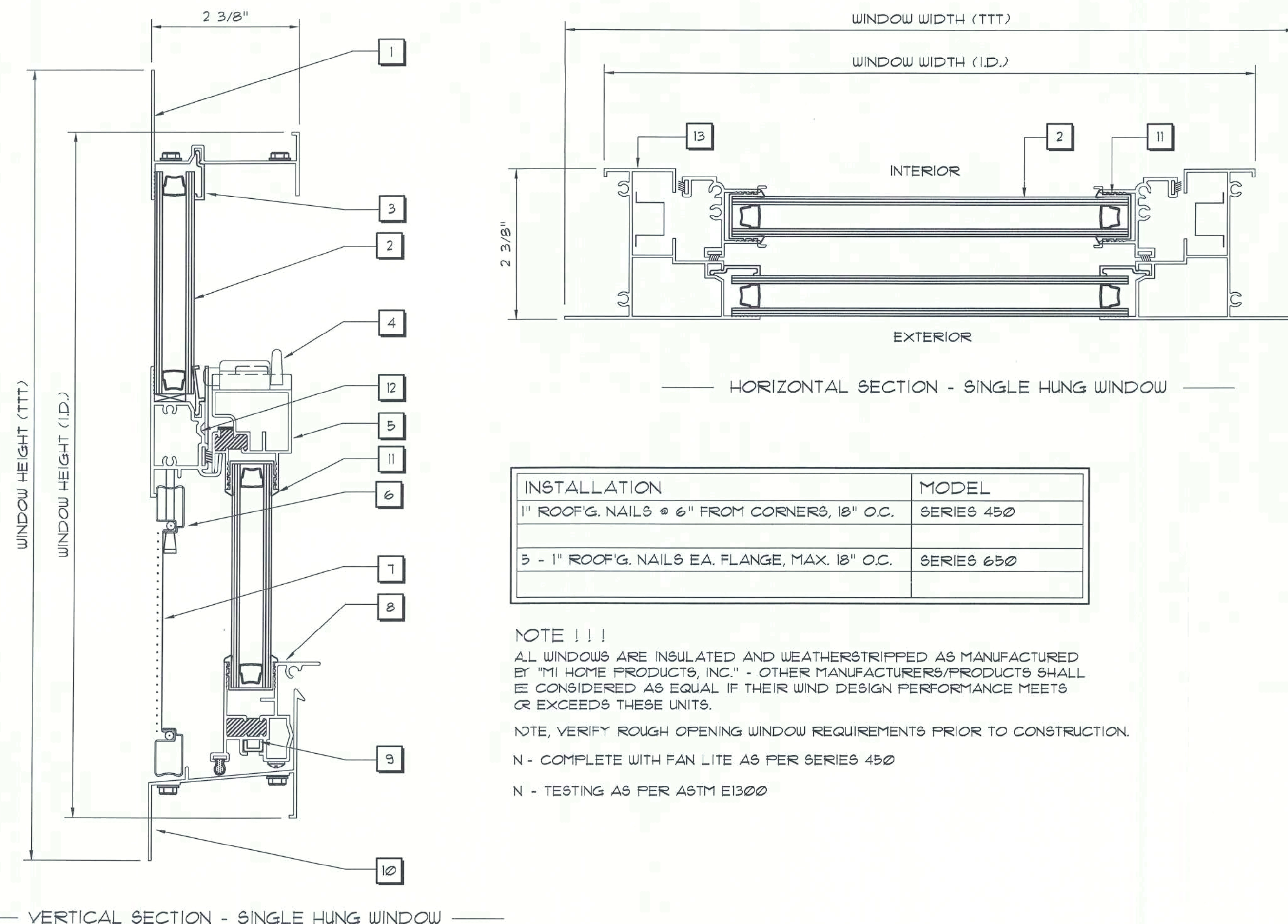
SM-Rib Metal Roof



NOTE, VERIFY ROUGH OPENING DOOR REQUIREMENTS PRIOR TO CONSTRUCTION.

Typ. Exterior Door Jamb DETAILS

SCALE : NONE



INSTALLATION	MODEL
1" ROOF'G. NAILS @ 6" FROM CORNERS, 18" O.C.	SERIES 450
5 - 1" ROOF'G. NAILS EA. FLANGE, MAX. 18" O.C.	SERIES 650

NOTE !!!

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.

N - COMPLETE WITH FAN LITE AS PER SERIES 450

N - TESTING AS PER ASTM E1300

Typ. Window Jamb DETAILS

SCALE : NONE

Door Notes

- A STEEL SKIN - 26 GA.
- B POLYURETHANE FOAM CORE
- C COMPRESSION WEATHER STRIP
- D WOOD HEAD JAMB
- E ALUMINUM BUMPER THRESHOLD
- F #10-24 X 1/2" F.H.W.S. (4) SCREWS PER HINGE INTO DOOR
- G #10 X 2" F.H.W.S. (5) SCREWS THROUGH HINGE JAMB, 8" DOWN FROM TOP, MAX. 18" O.C. THEREAFTER.
- H #10 X 2" F.H.W.S. (10) SCREWS THROUGH STRIKE JAMB INTO SIDELITE JAMB, 4" DOWN FROM TOP, MAX. 8" O.C. THEREAFTER.
- J #10 X 2" F.H.W.S. (4) SCREWS THROUGH EACH HINGE INTO DOOR JAMB.
- K #10 X 2" F.H.W.S. (6) SCREWS THROUGH EACH SIDELITE JAMB INTO SIDELITE, 4" DOWN FROM TOP, MAX. 18" O.C. THEREAFTER.
- L #10 F.H.W.S. W/MIN. 1 1/2" EMBEDMENT OR 3/16" FFH TAPCONS W/ MIN. 1 1/2" EMBEDMENT, (14) PER HEAD & SILL, (6) PER JAMB
- M #8 X 1 3/4" F.H.W.S. (3) PER SIDE FROM JAMB INTO THRESHOLD
- N SHERWIN WILLIAMS 850A EXTERIOR GRADE LATEX CAULK
- O TEMPERED / INSULATED GLASS WINDOW

DESIGN PRESSURE RATINGS *	
POSITIVE	+16.0 PSF
NEGATIVE	-16.0 PSF

* WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED

NOTE !!!

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

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

Window Notes

- 1 FLANGED HEAD
- 2 INSULATED GLASS
- 3 GLAZING BEAD
- 4 LOCK
- 5 SASH TOP RAIL
- 6 SCREEN FRAME
- 7 FIBERGLASS MESH
- 8 BOTTOM SASH RAIL
- 9 PIVOT BAR
- 10 FLANGED SILL
- 11 MARINE GLAZING
- 12 FIXED MEETING RAIL
- 13 FLANGED JAMB

NOTE !!!

OTHER MANUFACTURERS/PRODUCTS SHALL BE CONSIDERED AS EQUAL IF THEIR WIND DESIGN PERFORMANCE MEETS OR EXCEEDS THESE UNITS.

WINDOW FASTENER SCHEDULE

SIZE	DESCRIPTION	INSTALLATION	MODEL
2046	SINGLE HUNG ALUM. SASH W/INSUL. GLASS	1" ROOF'G. NAILS 2 6" FROM CORNERS, 18" O.C.	SERIES 450
3046	SINGLE HUNG ALUM. SASH W/INSUL. GLASS	1" ROOF'G. NAILS 2 6" FROM CORNERS, 18" O.C.	SERIES 450
3030	SINGLE HUNG ALUM. SASH W/INSUL. GLASS	1" ROOF'G. NAILS 2 6" FROM CORNERS, 18" O.C.	SERIES 450
3050	SINGLE HUNG ALUM. SASH W/INSUL. GLASS	1" ROOF'G. NAILS 2 6" FROM CORNERS, 18" O.C.	SERIES 450
2-3050	TWIN - SINGLE HUNG ALUM. SASH W/INSUL. GLASS	5 - 1" ROOF'G. NAILS EA. FLANGE, MAX. 18" O.C.	SERIES 650

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 - COMPLETE WITH FAN LITE AS PER SERIES 450

N2 - TESTING AS PER ASTM E1300

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1606, FLORIDA BUILDING CODE, 2001 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
COMPONENTS & CLADDING DESIGN WIND PRESSURE:	ROOF: - 55.0 PSF WALLS: - 23.0 PSF

REVISION:

DRAWN:

DJR

CUSTOM DESIGNED HOME FOR:
Scott & Jessica Cassidy
COLUMBIA COUNTY, FLORIDA
Door / Win. Det.

ARCHITECTURAL DRAFTING & DESIGN
DAVID J. ROYAL
LAKE CITY, FL - 386-752-4670

NICHOLAS GEISLER
ARCHITECT
N.C.A.R.B. CERTIFIED
1758 NW Brown Rd.
Gainesville, FL 32605
352-752-4608

DATE:

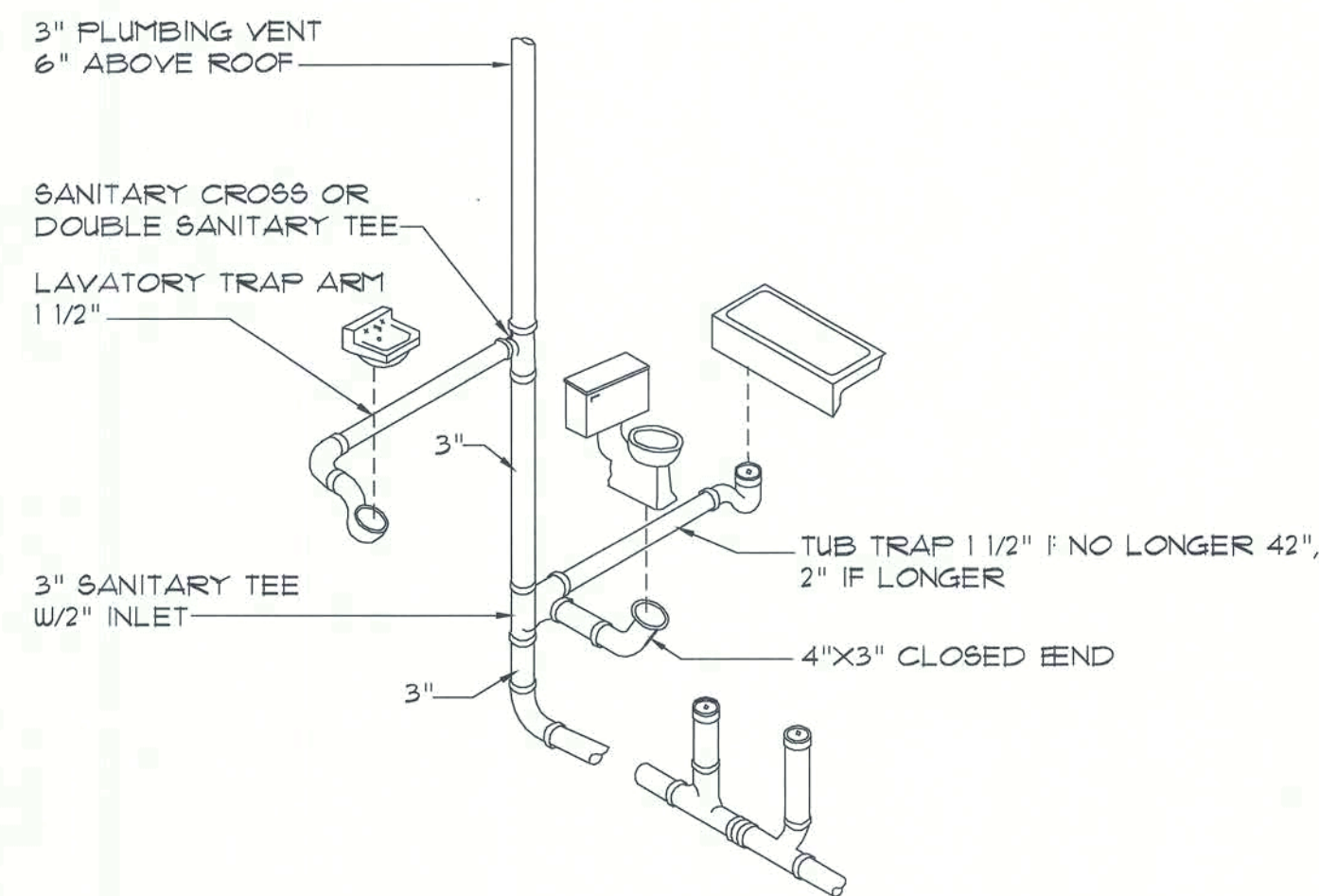
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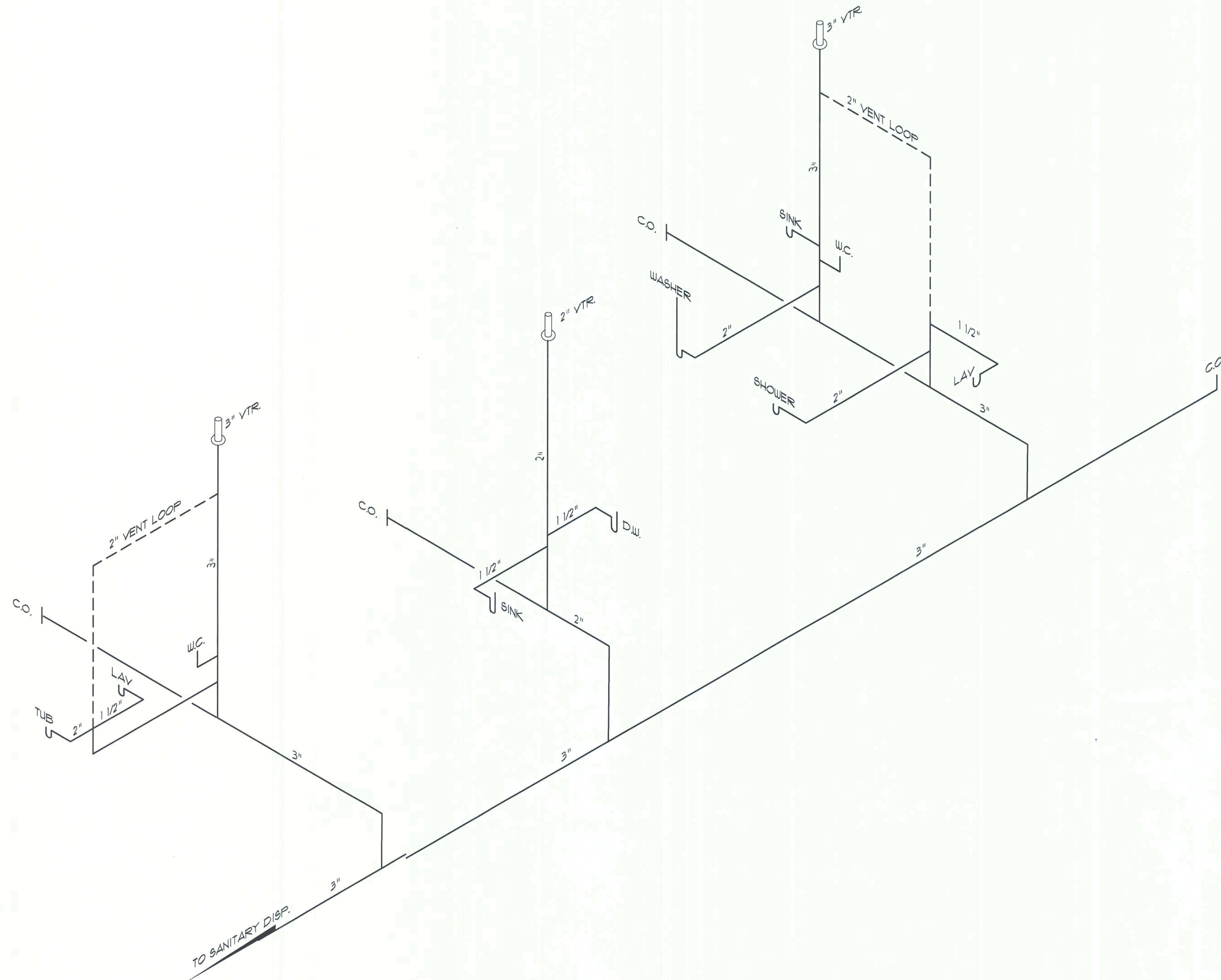
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Typ. One Bath Plumbing

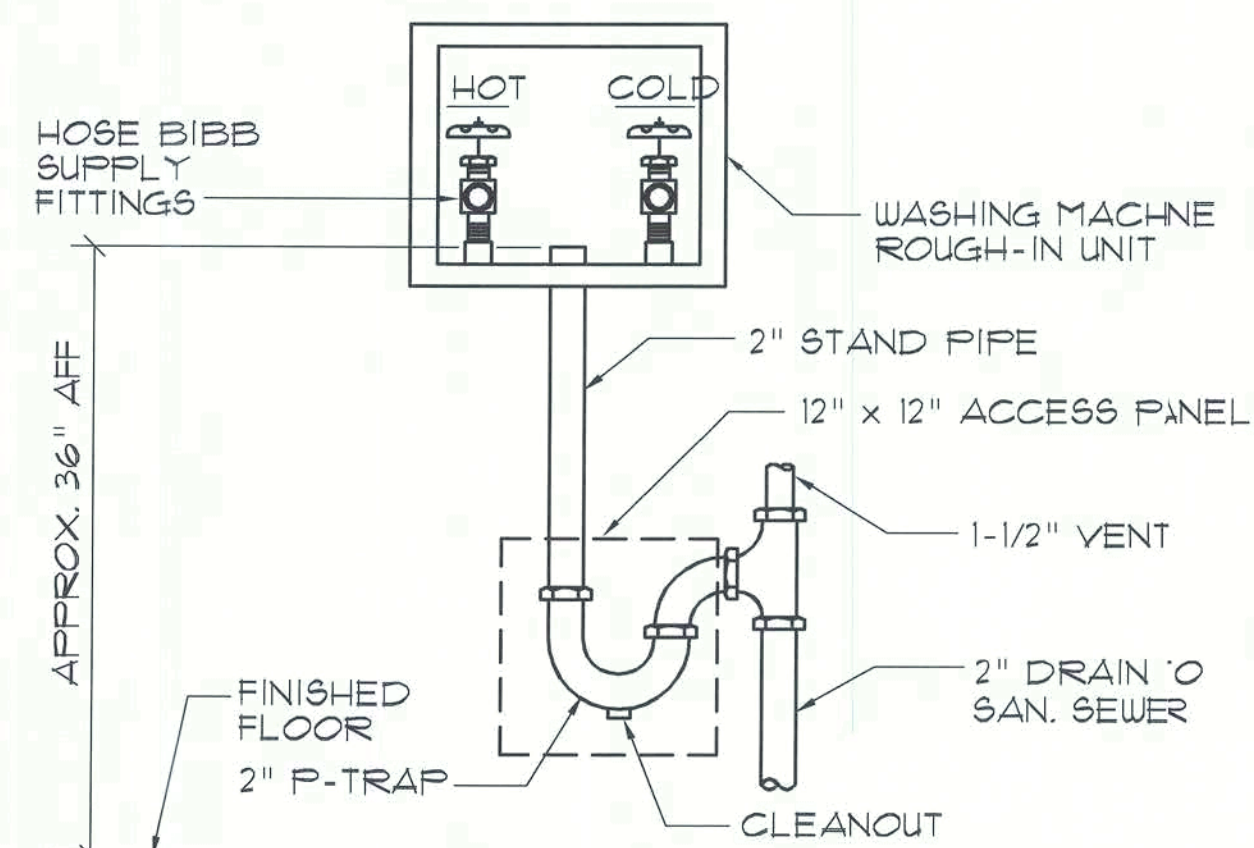
N.T.S.
N.T.S. - THIS PLUMBING DIAGRAM IS GENERAL IN NATURE, REFER TO THE 'PLUMBING RISER DIAGRAM' FOR INFORMATION.

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



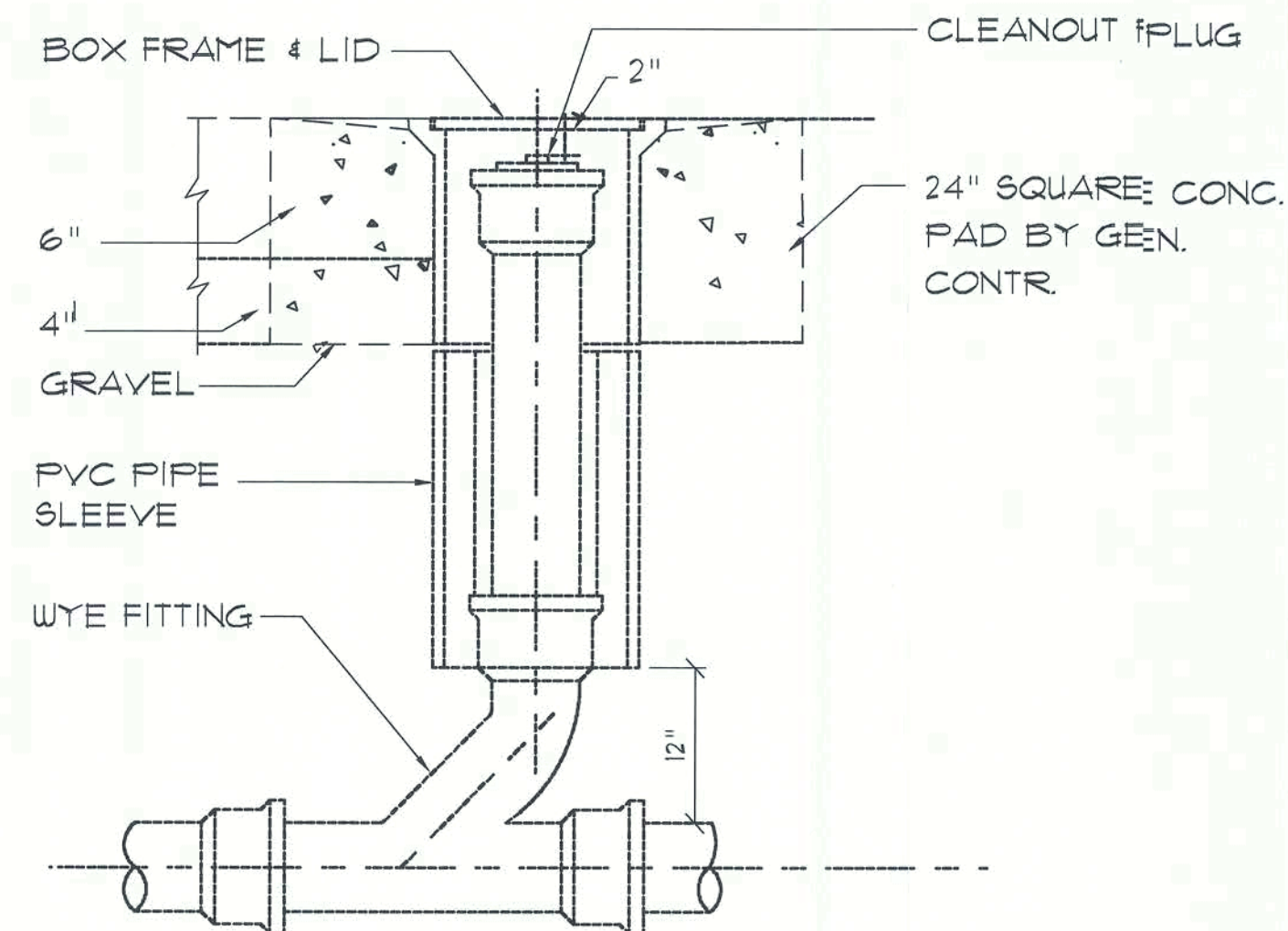
Plumbing Riser DIAGRAM

SCALE: NONE



Washing Machine Hook-up

N.T.S.



Outdoor Cleanout

N.T.S.

GENERAL PLUMBING NOTES:

- SUB-CONTRACTORS PROVIDING PLUMBING MATERIALS AND INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6.
- ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
- ALL MATERIALS SHALL BE NEW.
- ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL.
- ALL EXCAVATION & BACKFILL AS REQUIRED FOR THIS PHASE OF THE CONSTRUCTION SHALL BE PART OF THE PLUMBING SUB-CONTRACTOR'S RESPONSIBILITIES.
- PLUMBING FLAT PLANS AND RISER DIAGRAMS (IF INCLUDED) ARE DIAGRAMATIC. DO NOT SCALE THE DRAWINGS FOR EXACT LOCATIONS OF THE PLUMBING FIXTURES.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF THE CONSTRUCTION.
- WATER PIPING SHALL BE TYPE L COPPER UP TO 1", & TYPE K FOR ALL LARGER SIZES. ALL UNDERGROUND PIPING SHALL BE TYPE K COPPER. AT THE OWNER'S OPTION SUPPLY PIPING MAY BE C.P.V.C., SCHEDULE 40 OR SCHEDULE 80.
- DO NOT USE LEAD BASED SOLDER FOR JOINING SUPPLY PIPING.
- SOIL, WASTE, VENT & RAINWATER PIPING SHALL BE CAST IRON NO-HUB 30"-12" ABOVE GRADE WITH NEOPRENE GASKETS AND STAINLESS STEEL BANDS & BELL & SPIGOT CAST IRON BELOW GRADE W/ LEAD & OAKUM JOINTS OR AT THE OWNER'S OPTION, P.V.C., SCHEDULE 40, SEE NOTE 12.
- AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE THREADED STEEL PIPE, COPPER DRAIN, WASTE OR VENT PIPE AND FITTINGS, OR P.V.C., SEE NOTE 12, BELOW. INSULATE ALL CONDENSATE PIPING EXCEPT WHERE UNDERGROUND, AND ELECTRIC HEAT WRAP WHERE EXPOSED TO FREEZING CONDITIONS.
- P.V.C. SCHEDULE 40 PIPE AND FITTINGS MAY BE USED FOR SOIL, WASTE, VENT, RAINWATER OR CONDENSATE PIPING AS APPROPRIATE, WHERE APPROVED BY LOCAL BUILDING CODES & OFFICIALS. P.V.C. MAY NOT BE USED TO PENETRATE CHASES OR FIRE RATED WALLS / CEILINGS.
- ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND WHERE PROVIDED, MARKED ACCESS PANELS.
- FURNISH AND INSTALL APPROVED AIR CHAMBERS AT EACH PLUMBING FIXTURE AND APPROVED SHOCK ARRESTERS ON MAIN LINE OR RISERS.
- DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS.
- ISOLATE COPPER PIPING FROM HANGERS OR SUPPORTS W/ HAIR FELT INSULATOR PADS.
- PROVIDE 1/2" TRAP PRIMER LINE FOR ALL FLOOR DRAINS FROM NEAREST PLUMBING FIXTURE, DO NOT MANIFOLD.
- PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES.
- PROVIDE COMBINATION COVERPLATE / CLEANOUT PLUG FOR ALL WALL CLEANOUTS, FINISH AS DIRECTED BY THE OWNER.
- FIXTURES, HARDWARE, EQUIPMENT, COLORS AND FINISHES SHALL BE AS SELECTED BY THE OWNER.

REVISION:

DRAWN:

DJR

CUSTOM DESIGNED HOME FOR:
Scott & Jessica Cassidy
COLUMBIA COUNTY, FLORIDA
Plumbing Riser

APP
ARCHITECTURAL DRAFTING & DESIGN
DAVID J. ROYAL
LAKE CITY, FL - 386-752-4670

N3
NICHOLAS PAUL GEISLER
ARCHITECT
1755 NW Brown Rd.
Lake City, FL 32055
386/752-6606

DATE:

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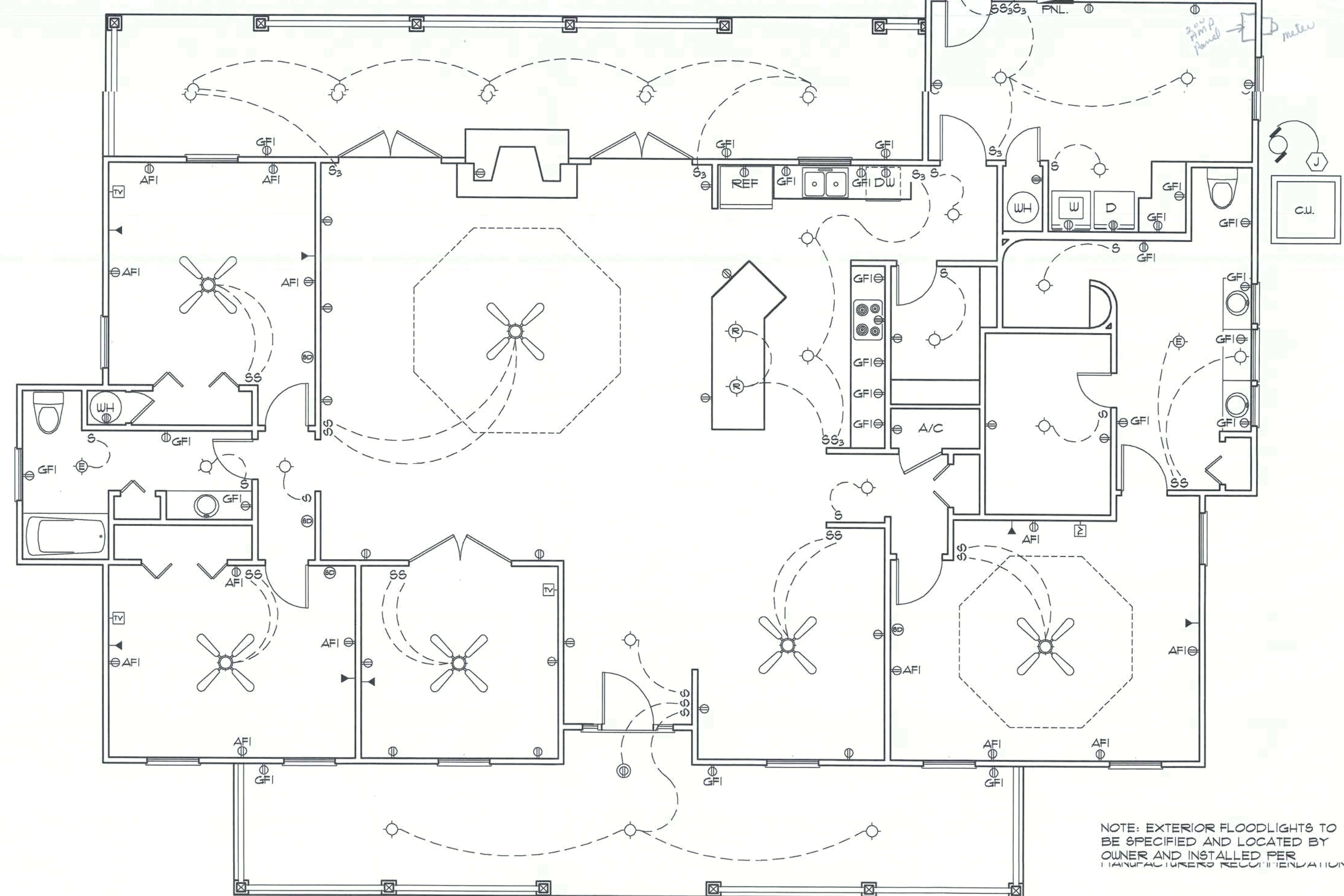
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Legend

- | | | | |
|----|--------------------|-----|---|
| S | SINGLE POLE SWITCH | GFI | 120V RECEPT W/GROUND FAULT INTERRUPTER |
| S3 | 3-WAY SWITCH | AFI | 120V RECEPT W/ARC FAULT INTERRUPTER |
| ST | TIMER SWITCH | PNL | PANEL BOX |
| ⊕ | 120V RECEPT | ⊕ | SMOKE DETECTOR |
| ⊕ | RECESSED LIGHT CAN | ⊕ | TELEPHONE OUTLET |
| ⊕ | FLOODLIGHT | ⊕ | CABLE TV OUTLET |
| ⊕ | LIGHT - JBOX | ⊕ | 120V FLOOR RECEPTACLE |
| ⊕ | 220V RECEPTACLE | ⊕ | LIGHT/EXHAUST FAN - JBOX |
| ⊕ | FAN/LIGHT JBOX | ⊕ | GARAGE DR OPENER - JBOX |
| | | ⊕ | CLG. MTD. SWITCHED RECEPT. FOR CHRISTMAS LIGHTS |



Electrical PLAN

SCALE: 3/16" = 1'-0"

- DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER.
- INSTALL ALL ELECTRICAL WORK IN CONFORMANCE WITH THE NEC 2003 EDITION, AND ITS AMENDMENTS AS ADOPTED BY THE PERMIT ISSUING AUTHORITY AT THE TIME OF CONSTRUCTION.
- GROUNDING: GROUND ALL MAIN DISCONNECTS TO STANDARD GROUND ROD(S) AND TO COLD WATER SUPPLY AS PER ARTICLE 250 OF NEC-1994.
- INSTALL ONLY COPPER WIRING ON THIS PROJECT. THW, THW, THHN, THHN OR NM CABLE, UNLESS NOTED OTHERWISE. ALL CONDUCTORS #10 & SMALLER MAY BE SOLID. ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED TYPE.
- PROVIDE CONTINUITY OF NEUTRAL ON MULTI-BRANCH CIRCUITS BY SPLICING AND BRINGING OUT A TAP, ASSURING NO OPENINGS OF NEUTRAL IN REPLACEMENT OF A DEVICE.
- COLOR CODE MULTI-CIRCUIT WIRING AS FOLLOWS: NEUTRAL - WHITE, GROUND - GREEN, LINE - ALL OTHER COLORS.

- INSTALL ONLY HIGH POWER FACTOR BALLASTS AT FLUORESCENT FIXTURES.
- INSTALL GFI BREAKERS OF DEVICES AT ALL BATHROOM, RESTROOM, KITCHEN, GARAGE AND EXTERIOR RECEPTACLES AND AS NOTED ON THE DRAWINGS.
- INSTALL ONLY THOSE ELECTRICAL DEVICES THAT BEAR A "UL" OR OTHER RECOGNIZED TESTING LAB LABEL. ALL MATERIALS SHALL BE NEW.
- INSTALL NON-FUSED DISCONNECT SWITCHES AT ALL PIECES OF ELECTRICAL EQUIPMENT LOCATED WHERE SAID EQUIPMENT IS NOT VISIBLE FROM THE CIRCUIT BREAKERS THAT PROTECTS IT. SIZE IN ACCORD WITH THE LOAD. ALL DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE - QUICK-BREAK TYPE - ENCLOSURES SHALL BE AS REQ'D FOR EXPOSURE.
- MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC WITH OVERLOAD RELAYS IN EACH HOT LEG.
- ISOLATE DISSIMILAR CONDUIT AND TUBING METALS FROM SOIL, WATER AND GAS PIPING AND OTHER BUILDING MATERIALS WHERE DAMAGE BY FRICTION OR ELECTROLYSIS MAY OCCUR, EXCEPT

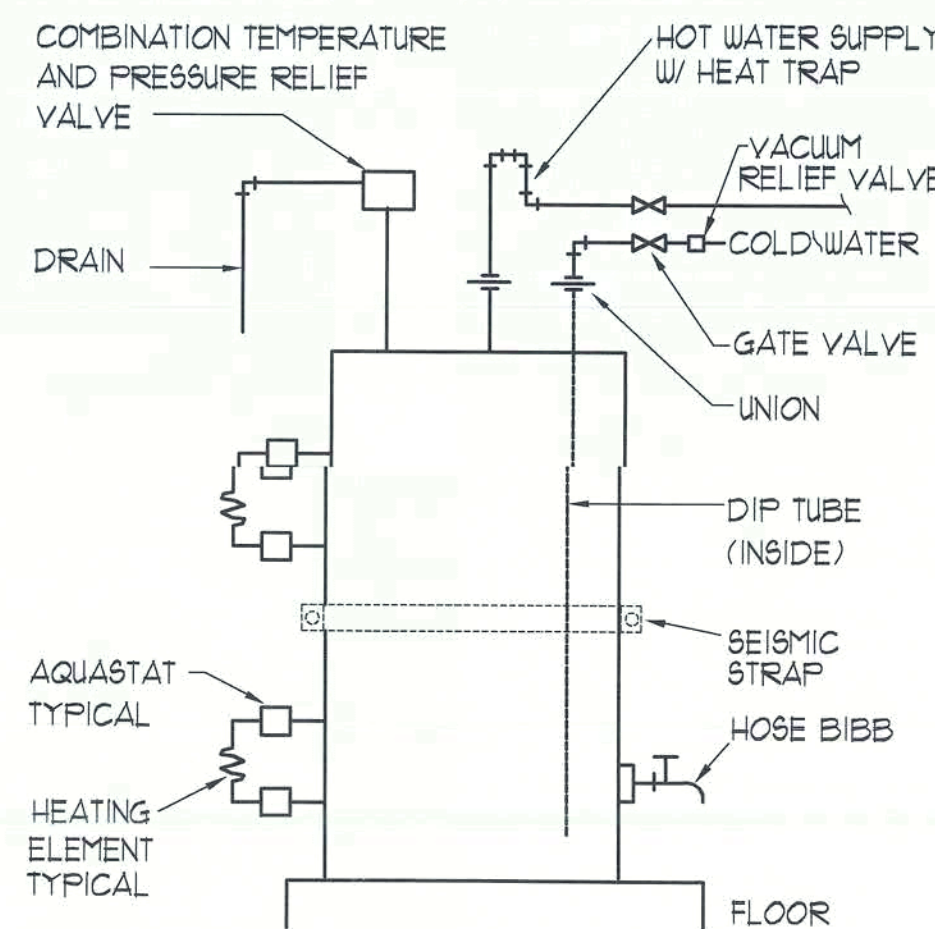
Electrical Notes

- FURNISH AND INSTALL ALL ELECTRICAL DEVICES AND ITEMS REQUIRES FOR A COMPLETE OPERATING SYSTEM, PROVIDING THE FUNCTIONS AS DETAILED IN THE PLANS (AND SPECS).
- OUTLET BOXES SHALL BE PRESSURIZED STEEL OR PLASTIC OR ALL DRY LOCATIONS FOR WET LOCATIONS, CAST ALLOY WITH THREADED HUB OUTLET BOXES SHALL BE INSTALLED.
- HOT CHECK ALL SYSTEMS WITH THE OWNER'S REPRESENTATIVE PRESENT TO VERIFY PROPER FUNCTION PRIOR TO C.O.
- COORDINATE ALL WORK THROUGH GC TO AVOID CONFLICTS. COORDINATE WITH HVAC CONTRACTOR AND ELECTRONICS SYSTEMS CONTRACTORS SO THAT A COMPLETE, FUNCTIONING SYSTEM IS INSTALLED, IN EACH CASE, WITH NO EXTRA COST TO THE
- EMERGENCY LIGHTING AND EXIT SIGNS, IF INDICATED ON THE PLANS, SHALL BE WIRED PER NEC 100-12F.
- ALL PANEL SCHEDULES SHALL BE FULLY FILLED OUT AND SHALL BE TYPEWRITTEN. E.A. CIRCUIT SHALL BE CLEARLY IDENTIFIED AS TO WHAT IS INCLUDED ON SAID CIRCUIT.

NOTE: ALL BRANCH CIRCUITS THAT SUPPLY 125-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE OUTLETS INSTALLED IN DUELLING UNIT BEDROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER

NOTE: SMOKE DETECTORS SHALL BE MOUNTED NOT LESS THAN 90" ABOVE FINISHED FLOOR AND SHALL BE THE IONIZATION TYPE, INTERLOCKED TOGETHER, POWERED FROM HOUSE PANEL W/BATTERY BACKUP

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



Elec. Water Heater

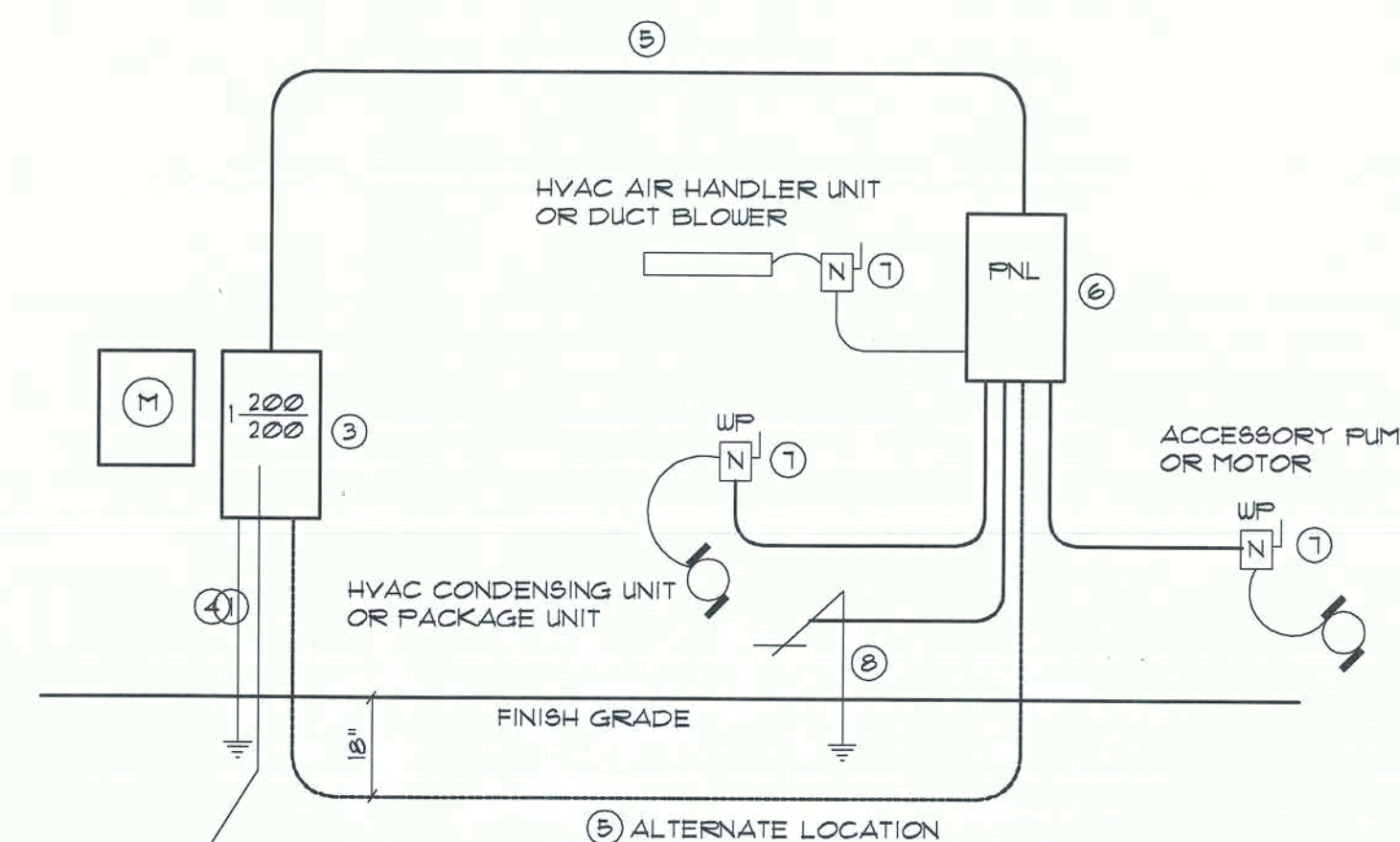
SCALE: NONE

Electrical Comp.

General Lighting/Receptacles @ 3w/sf			
3946 sf x 3w =	11838.0w		
Washer Circuit	1500.0w		
Dishwasher Circuit	1500.0w		
Sm. Appliance Circuits (3 @ 1500w)	4500.0w		
Sub-Total	19338		
1st 3kW @ 100%		30000.0w	
Bal. of kW @ 35%		5710.0w	
Fixed Appliances:			
Refrigerator	1200.0w		
Freezer	1200.0w		
Clg. Fans (6 @ 200w)	1200.0w		
Irrigation Pump (future)	1200.0w		
Fool Pump (future)	1200.0w		
Water Well Pump	1200.0w		
(2) EUH	9000.0w		
Spares (5 @ 400w)	2000.0w		
Sub-Total	18200.0w		
Load @ 75% D.F.		13650.0w	
100% Demand Factor Loads:			
Driver	5000.0w		
Range	8000.0w		
HVAC System (40T Heat Pump)	6400.0w		
HVAC System Air Handler	800.0w		
Total Demand Load:		42568.0w	

FEEDER SIZE: 42568.0w / 240v = 177.37 amperes
USE: 3 #2/0 THW w/ 1 # Cu GND / 2 1/2" C.

Electrical Design Data



- SERVICE FEEDER ENTRANCE CONDUCTOR: 2 1/2" 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, UL LISTED.
- MAIN DISCONNECT SWITCH FUSED OR MAIN BRKR. WEATHERPROOF, UL LISTED.
- SERVICE ENTRANCE GROUND: 5/8" IRON/STEEL ROD X 8'-0" LONG AND/OR CONCRETE ENCASED FOUNDATION STEEL REBAR X 2'-0" LONG. GROUNDING CONDUCTOR SHALL BE BOND 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), UL 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.

Electrical Riser: 200A

SCALE: NONE

Panel Schedule

PANEL "L": 200A - MLO - 120/240V - 1P - 4 WIRE 40 SLOT - FLUSH MOUNT				
CIR. NO.	LOCATION	TRIP POLES	WIRE SIZE	LOAD
1-8	LIGHTING/RECEPT.	15A/1P	14NM	11838W
9	DISHWASHER	15A/1P	14NM	1500W
10-12	SM. KITCHEN APPLIANCES	20A/1P	12NM	4500W
13-14	CEILING FANS	15A/1P	14NM	1200W
15,17	FUT. IRRIGATION PUMP	20A/1P	12NM	1200W
16	REFRIGERATOR	15A/1P	14NM	1200W
18	WASHER	20A/1P	14NM	1500W
19,21	EUH-50 GAL.	30A/2P	10NM	4500W
20,22	EUH-30 GAL.	30A/2P	10NM	4500W
23,24	RANGE	50A/2P	6NM	8000W
25,26	WATER WELL	20A/2P	12NM	1200W
27,28	DRYER	30A/2P	10NM	5000W
29,30	HVAC CU	50A/2P	6NM	6400W
31	HVAC AHU	20A/2P	12NM	800W
32	FREEZER	15A/1P	14NM	1200W
33,34	FUT. POOL PUMP	20A/2P	12NM	1200W
35-40	SPARES	-	-	2400W

TOTAL CONNECTED LOAD: 58138W

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

TYPICAL PANEL SCHEDULE:
ELECTRICIAN TO PROVIDE A FINAL PANEL SCHEDULE BASED ON THE AS-BUILT CONDITIONS & CONNECTED DEVICES.

TYPICAL LOAD COMPUTATIONS:
ELECTRICIAN TO CALCULATE ACTUAL LOAD FROM AS-BUILT CONDITIONS & CONNECTED DEVICES.

REVISION:

DRAWN:

DJR

CUSTOM DESIGNED HOME FOR:
Scott & Jessica Cassidy
COLUMBIA COUNTY, FLORIDA
Electrical Plan

ARCHITECTURAL DRAFTING & DESIGN
DAVID J. ROYAL
LAKE CITY, FLORIDA - 752-4670

NICHOLAS GEISLER
ARCHITECT
N.C.A.R.B. Certified
Box 17, Box 1038
Rose Hill, NC 27065
919/752-4608

DATE:

28OCT2005

COMP:

SHEET:

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AS - BUILT DRAWING REQUIREMENTS:

- A. ELECTRICAL "AS-BUILT" DRAWINGS
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 N^o, 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.
- B. H.V.A.C. "AS-BUILT" DRAWINGS
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONTR SHALL PROVIDE 1 COPY OF AS-BLT. DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.
- C. PLUMBING "AS-BUILT" DRAWINGS
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

FIELD NOTES

GENERAL NOTES:

- THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ALL CLAIMS, WHETHER FROM PERSONAL INJURY OR PROPERTY DAMAGE, ARISING FROM EVENTS ASSOCIATED WITH THE WORK PERFORMED UNDER THE CONTRACT FOR THIS PROJECT.
- THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WARRANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER. DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORKMANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.
3. A) THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURPOSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.
4. THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VARIOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT BY: THEIR CITY, COUNTY, STATE OR FEDERAL.
5. THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING OF THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNER" AND PROVIDE "RELEASE OF LIE" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS.
6. ANY AND ALL DISPUTES ARISING FROM EVENTS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT BETWEEN THE OWNER, CONTRACTOR(S) AND SUPPLIERS SHALL BE RESOLVED THROUGH BINDING ARBITRATION.
- ALL WORK SHALL BE IN ACCORDANCE W/ APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH THE MINIMUM ENERGY REQUIREMENTS OF THE BUILDING CODE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT INWRITING PRIOR TO THE COMMENCEMENT OF THE WORK.
8. ALL INSULATION SHALL BE LEFT EXPOSED AND ALL LABLES LEFT INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL.
9. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE: PRESSURE TREATED.
10. INTERIOR BEARING WALLS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333". BATT INSULATION SHALL BE INCLUDED WHERE UNCONDITIONED AREA IS BEING SEPARATED FROM HEATED / COOLED AREA.
- INTERIOR STUD WALLS SEPARATING LIVING AREA FROM GARAGE AREAS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", INCLUDING R-11 BATT INSULATION.
12. CEILINGS OVER ATTACHED GARAGES OR GARAGES W/ LIVING AREA ABOVE SHALL BE 5/8" FIRECODE "C" GIB ON 1X3 WOOD FURING AT 16" O.C. ATTACHED W/ 1 1/4" BUGLEHEAD SCREWS @ 8" O.C. ALONG EACH POINT OF BEARING.

GENERAL MILLWORK NOTES:

1. MILLWORK SUB-CONTRACTOR PROVIDING CASEWORK, MILLWORK OR THE LIKE FOR THIS PROJECT SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6 OF THE GENERAL NOTES, THIS SHEET.
2. SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING: FABRICATION AND DELIVERY OF MILLWORK, SHOWN IN THE DRAWINGS, TO THE JOB SITE, INSTALLATION OF CABINET HINGES, CATCHES, DRAWER & TRAY GUIDES, ADJUSTABLE SHELF STANDARDS & SURFACE BOLTS.
3. ALL APPLICABLE STANDARDS OF "AWI" QUALITY STANDARDS & GUIDE SPECIFICATIONS APPLY TO THIS PROJECT, UNLESS NOTED OTHERWISE.
4. AWI "CUSTOM" GRADE EXCEPT AS OTHERWISE NOTED OR DIRECTED BY THE OWNER SHALL BE THE BASE STANDARD OF QUALITY REQ'D FOR THIS WORK.
5. MILLWORK SUB-CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE OWNER, THE FOLLOWING ITEMS, PRIOR TO FABRICATING ANY MATLS OR MILLWORK: COMPLETE SET OF SHOP DRAWINGS, SAMPLES OF W.D. SPECIES RECEIVING TRANSPARENT FINISH, MFR'S LITERATURE FOR ALL SPECIALTY ITEMS NOT MFD. BY THE ARCHITECTURAL WOODWORK FIRM AND HARDWARE SCHEDULE, SHOWING HARDWARE USED AT EA. LOCATION & CONFORMANCE W/ THE DESIGN INTENT OF THE DRAWINGS OR DIRECTIVES ISSUED BY THE OWNER.
6. PRODUCTS SHALL INCLUDE THE FOLLOWING:
SOFTWOOD - SOLID STOCK PINE, C OR BETTER
HARDWOOD - SPECIES AS SELECTED BY OWNER
PLYWOOD, OPAQUE FINISH - FIR, GRADE A/B
PLYWOOD, TRANSPARENT FINISH - SPECIES AS SELECTED BY OWNER
PARTICLE BOARD - HIGH DENSITY, W/ RESIN BINDER
LAM. PLASTIC - MFG. COLORS, PATTERNS & TEXTURES AS SELECTED BY OWNER
LAMINATING ADHESIVES - POLYVINYL ACETATE, UREA-FORMALDEHYDE, CASEIN
7. ASSEMBLE WORK AT MILL & DELIVER TO JOB SITE READY TO INSTALL INSOFAR AS POSSIBLE.
8. PROTECT MILLWORK FROM MOISTURE & DAMAGE WHILE IN TRANSIT TO THE JOB SITE, UNLOAD AND STORE IN A PLACE WHERE IT WILL BE PROTECTED FROM MOISTURE AND DAMAGE AND BE CONVENIENT FOR INSTALLATION.
9. FABRICATE WORK IN ACCORDANCE WITH MEASUREMENTS TAKEN AT THE JOB SITE.
10. INSTALL HARDWARE IN ACCORDANCE WITH MANUFR'S DIRECTIONS. LEAVE OPERATING HARDWARE OPERATING SMOOTHLY & QUIETLY.
11. DAMAGED SURFACES SHALL BE REPAIRED TO MATCH UNDAMAGED ADJACENT PORTION OF THE WORK.

GENERAL PLUMBING NOTES:

1. SUB-CONTRACTORS PROVIDING PLUMBING MATERIALS AND INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6.
2. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
3. ALL MATERIALS SHALL BE NEW.
4. ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL.
5. ALL EXCAVATION & BACKFILL AS REQUIRED FOR THIS PHASE OF THE CONSTRUCTION SHALL BE PART OF THE PLUMBING SUB-CONTRACTOR'S RESPONSIBILITIES.
6. PLUMBING FLAT PLANS, AND RISER DIAGRAMS (IF INCLUDED) ARE DIAGRAMATIC. DO NOT SCALE THE DRAWINGS FOR EXACT LOCATIONS OF THE PLUMBING FIXTURES.
7. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF THE CONSTRUCTION.
8. WATER PIPING SHALL BE TYPE L COPPER UP TO 1", & TYPE K FOR ALL LARGER SIZES. ALL UNDERGROUND PIPING SHALL BE TYPE K COPPER. AT THE OWNER'S OPTION SUPPLY PIPING MAY BE C.P.V.C., SCHEDULE 40 OR SCHEDULE 80.
9. DO NOT USE LEAD BASED SOLDER FOR JOINING SUPPLY PIPING.
10. SOIL, WASTE, VENT & RAINWATER PIPING SHALL BE CAST IRON NO-HUB 30"-12" ABOVE GRADE, WITH NEOPRENE GASKETS AND STAINLESS STEEL BANDS & BELL & SPIGOT CAST IRON BELOW GRADE W/ LEAD & OAKUM JOINTS OR AT THE OWNER'S OPTION, P.V.C., SCHEDULE 40, SEE NOTE 12.
11. AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE THREADED STEEL PIPE, COPPER DRAIN, WASTE OR VENT PIPE AND FITTINGS, OR P.V.C. SEE NOTE 12, BELOW. INSULATE ALL CONDENSATE PIPING EXCEPT WHERE UNDERGROUND, AND ELECTRIC HEAT W/RAIR WHERE EXPOSED TO FREEZING CONDITIONS.
12. P.V.C. SCHEDULE 40 PIPE AND FITTINGS MAY BE USED FOR SOIL, WASTE, VENT, RAINWATER OR CONDENSATE PIPING AS APPROPRIATE, WHERE APPROVED BY LOCAL BUILDING CODES & OFFICIALS. P.V.C. MAY NOT BE USED TO PENETRATE CHASES OR FIRE RATED WALLS / CEILINGS.
13. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND WHERE PROVIDED, MARKED ACCESS PANELS.
14. FURNISH AND INSTALL APPROVED AIR CHAMBERS AT EACH PLUMBING FIXTURE AND APPROVED SHOCK ARRESTERS ON MAIN LINE OR RISERS.
15. DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS.
16. ISOLATE COPPER PIPING FROM HANGERS OR SUPPORTS W/ HAIR FELT INSULATOR PADS.
17. PROVIDE 1/2" TRAP PRIMER LINE FOR ALL FLOOR DRAINS FROM NEAREST PLUMBING FIXTURE, DO NOT MANIFOLD.
18. PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES.
19. PROVIDE COMBINATION COVERPLATE / CLEANOUT PLUG FOR ALL WALL CLEANOUTS, FINISH AS DIRECTED BY THE OWNER.
20. FIXTURES, HARDWARE, EQUIPMENT, COLORS AND FINISHES SHALL BE AS SELECTED BY THE OWNER.

GENERAL WELL & SEPTIC NOTES:

1. SUB-CONTRACTORS PROVIDING WATER WELLS AND/OR SEPTIC TANKS AND DRAIN FIELDS SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6, THIS SHEET.
2. LOCATION OF POTABLE WATER WELLS SHALL BE DETERMINED BY THE OWNER IN CONSULTATION WITH THE WELL DRILLING CONTRACTOR. WELLS SHALL NOT BE LOCATED CLOSER THAN 75'-0" TO ANY PROPOSED OR EXISTING SEPTIC TANK, OR DRAINFIELD, EITHER ON SUBJECT PROPERTY OR ADJACENT/ADJOINING PROPERTY.
3. POTABLE WATER WELLS SHALL BE A MINIMUM 4"Ø WITH BLACK IRON CASING TO A DEPTH OF 20'-0". PUMPS SHALL BE OF THE SUBMERSIBLE TYPE, THREE WIRE SYSTEM, MINIMUM HORSEPOWER SHALL BE 1/2 H/P OR AS DIRECTED BY THE OWNER. MOTOR, MOTOR STARTER SHALL BE ENCLOSED IN A WEATHERPROOF HOUSING, MOUNTED ON A P/T 4X4 POST AT THE WELL HEAD.
4. WELL HEAD SHALL PROJECT 12" ABOVE GRADE.
5. ALL REQUIRED COMPONENTS FOR A COMPLETE OPERATING SYSTEM SHALL BE PROVIDED, INCLUDING ANTI-FREEZE BLEEDER FITTING, CHECKVALVE, AIR BLEEDERS, SHUTOFF VALVE, HOSE BIBB, PRESSURE REGULATOR/CONTROLLER, UNIONS AND PRESSURE GAUGE.
6. PRESSURE TANK SHALL BE GALVANIZED 82 GALLON CAPACITY, UNLESS DIRECTED OTHERWISE BY THE OWNER.
7. SEPTIC TANK LOCATION, & DRAINFIELD INVERT SHALL BE DETERMINED BY THE LOCAL HEALTH DEPARTMENT, IN CONSULTATION W/ THE OWNER.
8. SEPTIC TANKS SHALL BE OF A SIZE & CONSTRUCTION AS DETERMINED BY THE LOCAL HEALTH DEPARTMENT. TANK MATL SHALL BE POURED CONCRETE OR FIBERGLASS AS ALLOWED BY THE SEPTIC TANK PERMIT.
9. SEPTIC DRAINFIELDS SHALL BE CONSTRUCTED TO THE STANDARDS OF THE LOCAL HEALTH DEPARTMENT. DRAINFIELD PIPING SHALL BE CLAY TILE OR P.V.C. OR POLY AS ALLOWED BY THE SEPTIC TANK PERMIT. DRAINFIELD BEDS SHALL BE 3/4" WASHED ROCK, INSTALLED THICKNESS SHALL BE AS PER SEPTIC TANK PERMIT.
10. SAND FILTER BEDS, MOUND SYSTEMS, DOSING TANKS, GREASE TRAPS, DISTRIBUTION BOXES, GRINDER PUMPS, SUMP PUMPS AND OTHER SUCH RELATED ITEMS (IF REQUIRED OR REQUESTED) SHALL BE AS PER THE DESIGN STANDARDS OF THE LOCAL HEALTH DEPARTMENT.

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 PERFORMED 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 2500 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. YIELD STRESS = 85 KSI.
6. CONCRETE SHALL BE STANDARD MIX P/C = 2500 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX P/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.

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 N-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 INFORMATION IN THE CONNECTOR SCHEDULE.

GENERAL H.V.A.C. NOTES:

1. SUB-CONTRACTORS PROVIDING HVAC INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6, GENERAL.
2. HVAC SUB-CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO INSTALL A COMPLETE & OPERATING HVAC SYSTEM.
3. HVAC SYSTEM SHALL BE AS DETAILED IN THE PLANS (IF INCLUDED), OR SHALL BE AS DIRECTED BY THE OWNER IN CONSULTATION WITH THE HVAC SUB-CONTRACTOR.
4. HVAC SUB-CONTRACTOR SHALL FURNISH SHOP DWGS FOR DUCTWORK, CONDENSING UNIT & AIR HANDLER, EXHAUST FANS AND AIR DEVICES.
5. IT IS THE HVAC SUB-CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH NFPA-90A AND ALL APPLICABLE CODES.
6. FLEXIBLE DUCT SHALL BE FULLY ANNEALED, CORRUGATED ALUMINUM W/ 1 3/4 LB. DENSITY FIBERGLASS INSULATION AND SHALL BE UL LISTED. SHEET METAL DUCT SHALL BE LINED W/ 1" MATFACED DUCT LINER & WRAPPED W/ 1 3/4 LB. FOILFACED FIBERGLASS INSULATION. ALL FIBERGLASS DUCT SHALL BE FOILFACED, R42/R60 DUCTBOARD.
7. ALL EXHAUST AND OUTSIDE AIR DUCT SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHREA AND SMACNA STANDARDS.
8. ALL AIR DEVICES SHALL BE OF ALUMINUM CONSTRUCTION FOR WALL AND CEILING APPLICATIONS AND STEEL CONSTRUCTION IN FLOOR APPLICATIONS. ACCEPTABLE MANUFACTURER'S SHALL BE TITUS, METALAIR, NAILORHART, HART & COOLIE OR AS DIRECTED BY THE OWNER.
9. IF REQUIRED BY THE OWNER, THE HVAC SUB-CONTRACTOR SHALL SUPPLY A TEST AND BALANCE REPORT IN ACCORDANCE WITH AIR BALANCE COUNCIL STANDARDS, SIGN AND SEALED BY A REGISTERED ENGINEER.
10. HVAC SUB-CONTRACTOR SHALL SUPPLY ALL CONTRACTORS, RELAYS, AND THERMOSTATS. THE ELECTRICAL SUB-CONTRACTOR SHALL PROVIDE ALL SWITCHES, DISCONNECTS & CONTROL WIRING. THERMOSTATS SHALL BE APPROVED BY THE EQUIPMENT MFR.
11. ALL DUCT SIZES INDICATED IN THE PLANS (IF INCLUDED) ARE NET INSIDE DIMENSIONS.
12. ALL EQUIPMENT SHALL BE FULLY WARRANTED FOR 1 YEAR AND THE COMPRESSOR(S) SHALL BE WARRANTED 5 YEARS FROM DATE OF FINAL ACCEPTANCE, BY THE OWNER.
13. ALL WORK IN THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES SO AS TO AVOID CONFLICTS OR HINDERANCE TO COMPLETION OF THE JOB.
14. CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1/2" THICK ARMAFLEX INSULATION.
15. FILTERS SHALL BE DISPOSABLE TYPE AND HAVE INITIAL SHARE WEIGHT ARRESTANCE OF 10% AND A CLEAN PRESSURE DROP OF 0.15. PROVIDE 2 SETS, ONE DURING CONSTRUCTION AND ONE FOR USE AT FINAL ACCEPTANCE.
16. HVAC SUB-CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY OFFSETS, TRANSITIONS & BENDS REQUIRED TO PROVIDE A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
17. IT IS THE RESPONSIBILITY OF THE HVAC SUB-CONTRACTOR TO COORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH THE ELECTRICIAN, LIGHTS AND ARCHITECTURAL ELEMENTS.

ELECTRICAL NOTES

1. SUB-CONTRACTORS PROVIDING ELECTRICAL MATERIALS AND INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6.
2. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER.
3. INSTALL ALL ELECTRICAL WORK IN CONFORMANCE WITH THE NEC 2003 EDITION, AND ITS AMENDMENTS AS ADOPTED BY THE PERMIT ISSUING AUTHORITY AT THE TIME OF CONSTRUCTION.
4. GROUNDING: GROUND ALL MAIN DISCONNECTS TO STANDARD GROUND ROD(S) AND TO COLD WATER SUPPLY AS PER ARTICLE 250 OF THE LATEST NEC.
5. INSTALL ONLY COPPER WIRING ON THIS PROJECT: THW, TW, THHN, THHN OR NM CABLE, UNLESS NOTED OTHERWISE. ALL CONDUCTORS #8 AND SMALLER MAY BE SOLID. ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED TYPE.
6. PROVIDE CONTINUITY OF NEUTRAL ON MULTI-BRANCH CIRCUITS BY SPLICING AND BRINGING OUT A TAP, ASSURING NO OPENINGS OF NEUTRAL IN REPLACEMENT OF A DEVICE.
7. COLOR CODE MULTI-CIRCUIT WIRING AS FOLLOWS: NEUTRAL - WHITE, GROUND - GREEN, LINE - ALL OTHER COLORS.
8. INSTALL ONLY HIGH POWER FACTOR BALLASTS AT FLUORESCENT FIXTURES.
9. INSTALL GFI BREAKERS ON DEVICES AT ALL BATHROOM, RESTROOM, KITCHEN, GARAGE AND EXTERIOR RECEPTACLES AND AS NOTED ON THE DRAWINGS.
10. INSTALL ONLY THOSE ELECTRICAL DEVICES THAT BEAR A "UL" OR OTHER RECOGNIZED TESTING LAB LABEL. ALL MATERIALS SHALL BE NEW.
11. INSTALL NON-FUSED DISCONNECT SWITCHES AT ALL PIECES OF ELECTRICAL EQUIPMENT LOCATED WHERE SAID EQUIPMENT IS NOT VISIBLE FROM THE CIRCUIT BREAKER THAT PROTECTS IT. SIZE IN ACCORD WITH THE LOAD. ALL DISCONNECT SWITCHES SHALL BE HP, RATED, HEAVY DUTY, QUICK-MAKE - QUICK-BREAK TYPE - ENCLOSURES SHALL BE AS REQ'D FOR EXPOSURE.
12. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC WITH OVERLOAD RELAYS IN EACH HOT LEG.
13. ISOLATE DISSIMILAR CONDUIT AND TUBING METALS FROM SOIL, WATER AND GAS PIPING AND OTHER BUILDING MATERIALS WHERE DAMAGE BY FRICTION OR ELECTROLYSIS MAY OCCUR, EXCEPT WHERE ELECTRICAL GROUND IS PROVIDED.
14. FURNISH AND INSTALL ALL ELECTRICAL DEVICES AND ITEMS REQUIRES FOR A COMPLETE OPERATING SYSTEM, PROVIDING THE FUNCTIONS AS DETAILED IN THE PLANS (AND SPECS).
15. OUTLET BOXES SHALL BE PRESSED STEEL OR PLASTIC OR ALL DRY LOCATIONS. FOR WET LOCATIONS, CAST ALLOY WITH THREADED HUB OUTLET BOXES SHALL BE INSTALLED.
16. HOT CHECK ALL SYSTEMS WITH THE OWNER'S REPRESENTATIVE PRESENT TO VERIFY PROPER FUNCTION PRIOR TO C.O.
17. COORDINATE ALL WORK THROUGH GC TO AVOID CONFLICTS. COORDINATE WITH HVAC CONTRACTOR AND ELECTRONICS SYSTEMS CONTRACTORS SO THAT A COMPLETE, FUNCTIONING SYSTEM IS INSTALLED, IN EACH CASE, WITH NO EXTRA COST TO THE OWNER.
18. EMERGENCY LIGHTING AND EXIT SIGNS, IF INDICATED ON THE PLANS, SHALL BE WIRED PER NEC 700-12F.
19. ALL PANEL SCHEDULES SHALL BE FULLY FILLED OUT AND SHALL BE TYPEWRITTEN. EA. CIRCUIT SHALL BE CLEARLY IDENTIFIED A TO WHAT IS INCLUDED ON SAID CIRCUIT.
20. IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION.
21. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF THE POWER COMPANY & TELEPHONE COMPANY.
22. FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR HVAC SYSTEM AS PER MANUFACTURER'S RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY THE HVAC CONTRACTOR, AND CONNECTED BY THE ELECTRICAL CONTRACTOR.
23. ALL RACEWAYS BELOW GROUND SHALL BE A MINIMUM OD 3/4".
24. ALL CIRCUIT BREAKERS, TWO AND THREE POLE, SHALL BE COMMON TRIP, NO TIE HANDLES OR TANDEMS SHALL BE ACCEPTABLE.
25. ALL FUSES, UNLESS NOTED OTHERWISE ON THE DRAWINGS, SHALL BE CURRENT LIMITED TYPE (CL) RATED 200/000 A/C.
26. ELECTRICAL CONTRACTOR SHALL VERIFY ALL COMPONENTS FOR ALL ELECTRICAL APPLICATIONS & DETERMINE THE CORRECTNESS OF SAME. ANY DISCREPANCY SHALL BE REPORTED TO THE OWNER PRIOR TO FABRICATING ANY MATERIALS, ORDERING COMPONENTS OR DOING ANY WORK.
27. CIRCUITS ON PANEL SCHEDULE (AND PLANS) ARE TO DETERMINE LOAD DATA AND SIZE. THE CONTRACTOR SHALL PROVIDE CIRCUITS AND ROUTING OF CONDUITS AND WIRING TO SUIT JOB CONDITIONS, AND BALANCE THE JOB, THROUGHOUT.
28. CHECK EQUIPMENT FOR PROPER VOLTAGE, PHASE AND AMPERAGE RATING PRIOR TO CONNECTION TO CIRCUITS.
29. PANEL BOARDS SHALL BE CIRCUIT BREAKER TYPE. VERIFY NUMBER AND SIZES OF CIRCUITS.
30. WHEN CONDUIT RUNS EXCEED 200 FEET, FULL BOXES SHALL BE INSTALLED SO THAT NO FULL EXCEEDS THIS DISTANCE.
31. ELECTRICAL EQUIPMENT A/C RATING AND FEEDER SIZE SHOWN ON THE PLANS ARE DESIGNED FOR MAX. AVAILABLE FAULT CURRENT AND MAX. ALLOWABLE VOLTAGE DROP, RESPECTIVELY.

REVISION:

DRAWN:
DJR

CUSTOM DESIGNED HOME FOR:
Scott & Jessica Cassidy
COLUMBIA COUNTY, FLORIDA
General Notes

APP
ARCHITECTURAL DRAFTING & DESIGN
DAVID J. ROYAL
LAKE CITY, FL - 386-752-4670

NICHOLAS PAUL GEISLER
ARCHITECT
1758 NW Brown Rd.
Lake City, FL 32025
(386) 752-6808

DATE:
28OCT2005

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