

A CUSTOM HOME FOR:

# KEITH ARCHBOLD

PROJECT ADDRESS:

Lot 32, Village On The Green  
Lake City, Florida 32025  
(Columbia County)



**SHEET INDEX**

- A1 FRONT & REAR ELEVATIONS
- A2 LEFT & RIGHT ELEVATIONS
- A3 DIMENSIONED FLOOR PLANS
- A4 ELECTRICAL PLANS
- S1 FOUNDATION PLAN, DETAILS & NOTES
- S2 ROOF PLAN, DETAILS & NOTES
- S3 WINDLOAD INFO, NOTES & DETAILS
- S4 CMU WALL & ROOF FRAMING DETAILS & NOTES

**AREA SUMMARY**

1ST FLOOR AREA	2,191	S.F.
2ND FLOOR AREA	361	S.F.
TOTAL LIVING AREA	2,552	S.F.
GARAGE AREA	793	S.F.
COVERED PORCH AREA	414	S.F.
ENTRY PORCH AREA	236	S.F.
TOTAL AREA	3,995	S.F.

NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS



REVISIONS  
JULY 28, 2022

COVER PAGE

65165

A MODERN FARMHOUSE DESIGN FOR:  
**KEITH ARCHBOLD**  
PROJECT ADDRESS: Lot 32, Village On The Green, Lake City, Florida 32025 (Columbia County)

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426 SW COMMERCE DR. STE 130  
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JOB NUMBER  
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SHEET NUMBER  
COVER

Wm C. Myers





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SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

FRONT & REAR ELEVATIONS  
SCALE: 1/4" = 1'-0"

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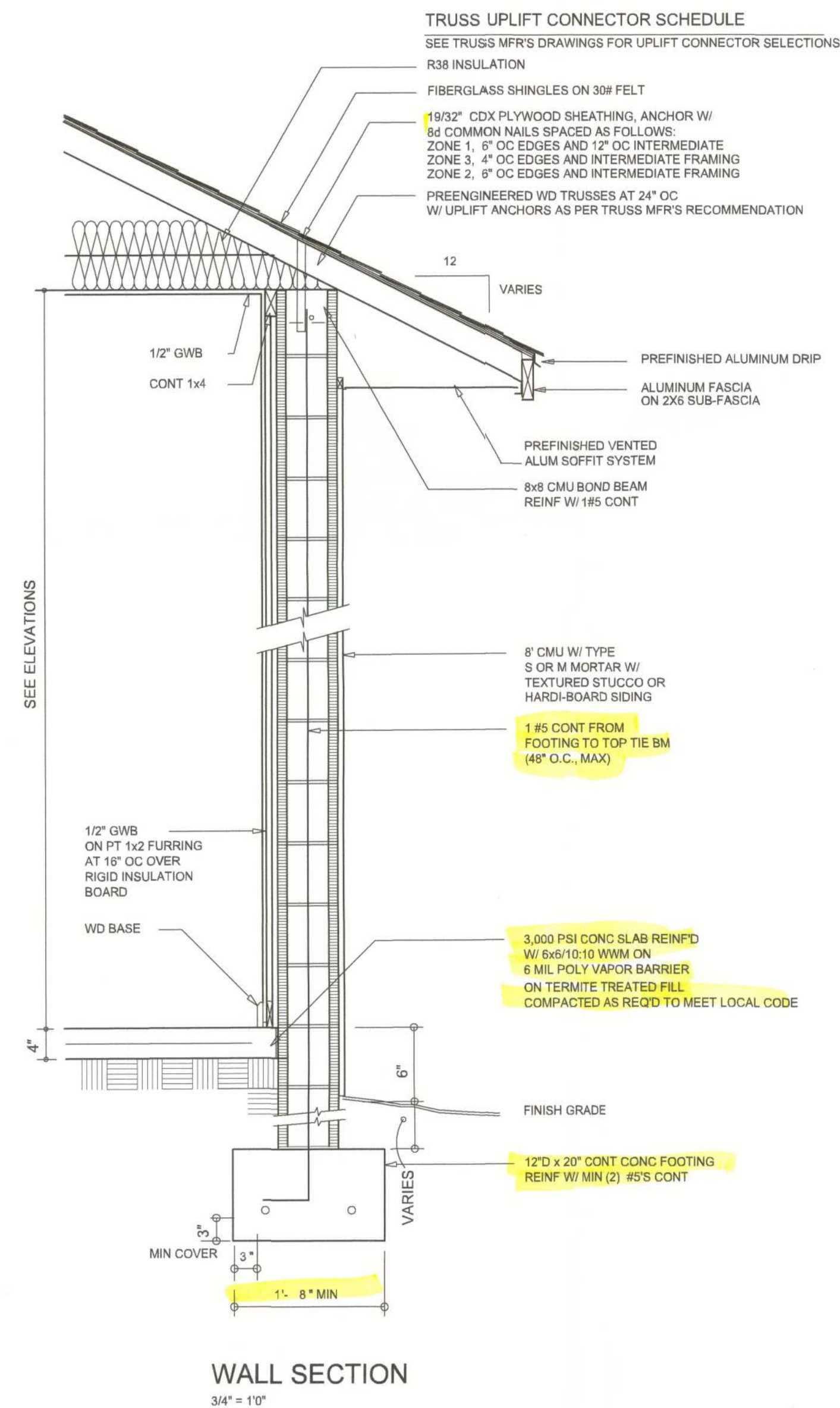


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**A.1**

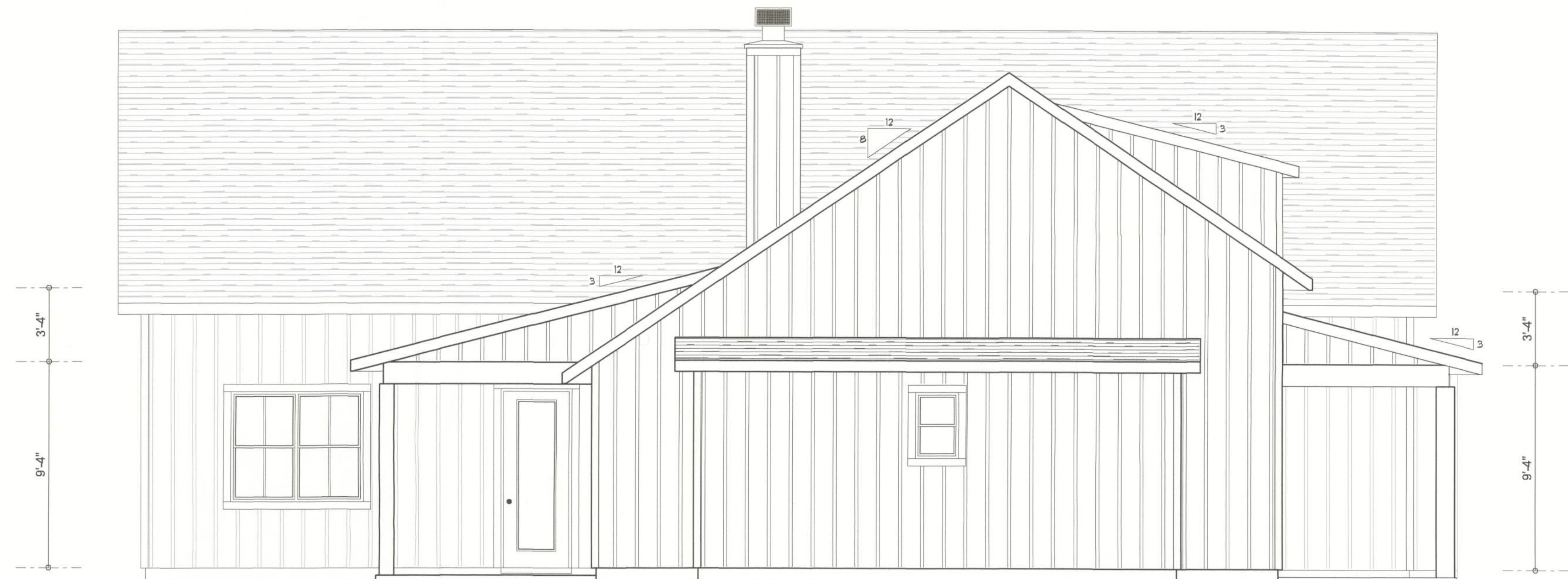
*Will C. Myers*





RIGHT ELEVATION

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



LEFT ELEVATION

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

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REVISIONS

July 29, 2022

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

LEFT & RIGHT ELEVATIONS  
SCALE: 1/4" = 1'-0"

TYPICAL WALL SECTION  
SCALE: 1" = 1'-0"

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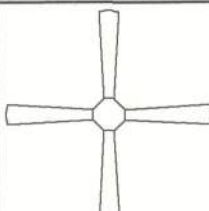













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ELECTRICAL LEGEND	
	CEILING FAN (PRE-WIRE FOR LIGHT KIT)
	DOUBLE SECURITY LIGHT
	RECESSED CAN LIGHT
	BATH EXHAUST FAN
	LIGHT FIXTURE
	DUPLEX OUTLET (AFCI & TAMPER RESISTANT)
	220v OUTLET
	GFI DUPLEX OUTLET (PER NEC 406.8)
	TELEVISION JACK
	SPECIALTY CIRCUIT AS REQ'D. VERIFY W/ EQUIP.
	SMOKE / CARBON MONOXIDE DETECTOR (see note below)
	WALL SWITCH
	3 WAY WALL SWITCH
	WATER PROOF GFI OUTLET
48" FLOOR.	
2 OR 4 LED STRIP FIXTURE	

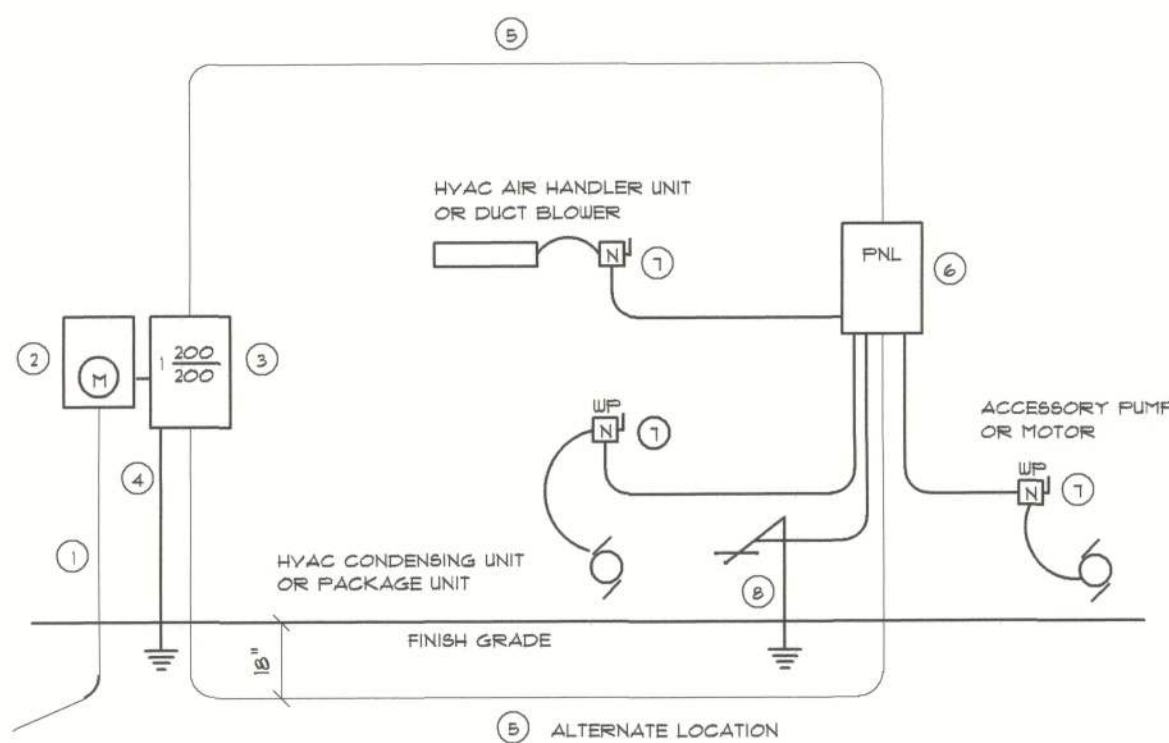
NOTE:  
ALL INTERIOR RECEPTACLES SHALL BE AFCI (ARC FAULT CIRCUIT INTERRUPT) PER NEC 210.12 & TAMPER RESISTANT PER NEC 406.11

ALL INTERIOR & EXTERIOR LIGHTING SHALL MEET OR EXCEED THE MIN. 75% HIGH-EFFICIENCY LIGHTING PER FBC-ENERGY CONSERVATION R404.

ALL SMOKE DETECTORS BE A COMBO SMOKE & CARBON MONOXIDE DETECTOR AND SHALL HAVE BATTERY BACKUP POWER AND ALL WIRED TOGETHER SO IF ANY ONE UNIT IS ACTUATED THEY ALL ACTIVATE.

THE ELECTRICAL SERVICE OVERCURRENT PROTECTION DEVICE SHALL BE INSTALLED ON THE EXTERIOR OF STRUCTURES TO SERVE AS A DISCONNECT 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.

IT IS THE LICENSED ELECTRICAL CONTRACTORS RESPONSIBILITY TO INSURE THAT ALL WORK PERFORMED AND EQUIPMENT INSTALLED MEETS OR EXCEEDS THE 2017 (NFPA-70) NATIONAL ELECTRIC CODE AND ALL OTHER LOCAL CODES AND ORDINANCES.

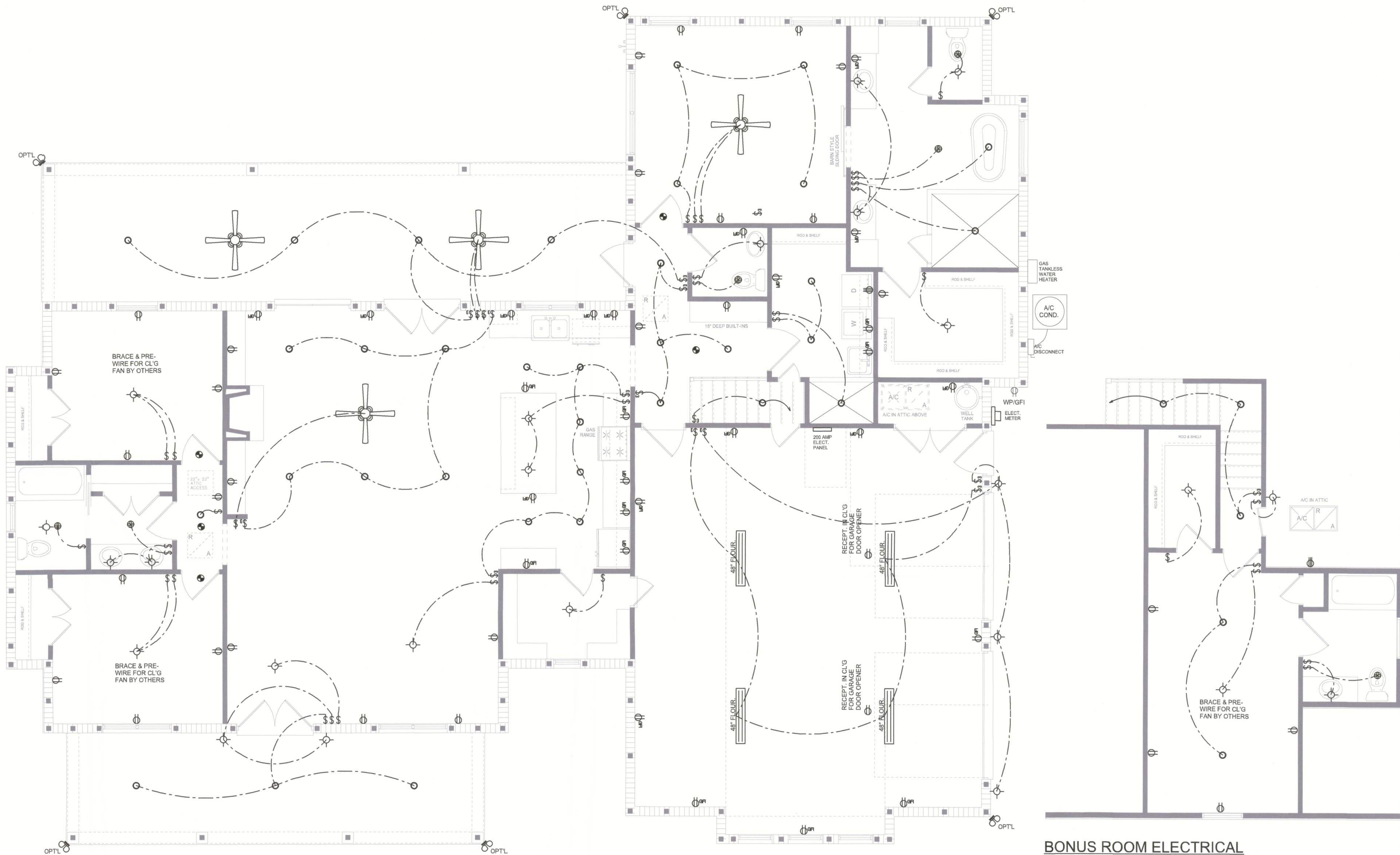


- Service/feeder Entrance Conductors: 2" rigid conduit, min. 18" deep, w/ continuous Ground Bonding Conductor. Service/Entrance Conductors shall not be spliced except that bolted connections at the Meter, Disconnecting Devices and Panel shall be allowed.
- Meter Enclosure, weatherproof, U.L. Listed.
- Main Disconnect Switch: fused or Main BRKR, weatherproof, U.L. Listed.
- Service entrance Ground: 3" x 1/2" x 1/2" x 1/2" long and/or concrete encased foundation steel rebar x 20'-0" long. Grounding Conductor shall be bonded to each place of Service/Entrance Equipment, and shall be sized per item #5, below.
- 200 AMPERE SERVICE: 3-2X20-USE-CU, 1-4-20-GND, 2" Conduit.
- House Panel (P.N.L.) U.L. Listed, sized per schedule.
- Equipment Disconnect Switch: non-fused, in weatherproof enclosure, size according to Panel Schedule loads.
- Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.

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

### ELECTRICAL RISER DIAGRAM: 200A

SCALE: NONE



### MAIN FLOOR ELECTRICAL PLAN

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

### BONUS ROOM ELECTRICAL

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

REVISIONS
July 29, 2022

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

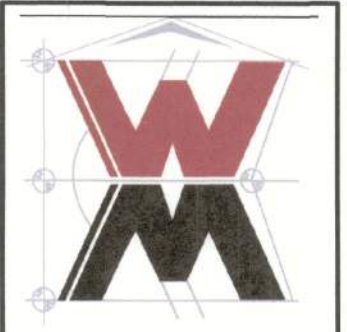
### ELECTRICAL PLANS

1/4" = 1'-0"

SCALE:

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*Wm C Myers*



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 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
4. REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE 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  $F_c = 3000$  PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX  $F_c = 3000$  PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF 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.
11. 2x4 P/T WOOD SILL, CONT., ALL AROUND, W/ 5/8"-A.B. W/ 3" SQ. X 1/4" PLATE WASHERS WITHIN 6" FROM EACH CORNER, EA. WAY, & WITHIN 6" FROM ALL WALL OPENINGS / ENDS - 1/2"-A.B. W/ 2" SQ. WASHERS ALONG EACH RUN @ 48" O.C., MAX. - ALL ANCHOR BOLTS SHALL HAVE A MINIMUM OF 8" EMBEDMENT INTO THE CONCRETE.

4" THK. 3,000 PSI CONCRETE SLAB  
W/ FIBERMESH CONCRETE ADDITIVE,  
OVER TREATED, CLEAN COMPACTED FILL

#5 ELLS X 18" X 18" @ 48" O.C. MAX.

8" CMU BOND  
BEAM W/#5 BAR  
CONF/25" MIN. LAP

10"

6"

8" CMU

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

12"

3" MIN

#3 BARS HORIZ. OR CHAIRS  
@ 48" O.C.

3,000 PSI CONCRETE FOOTING

(2) #5 BARS CONTINUOUS

4"

4"

20"

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

4" CONC. 3000 PSI MIN. FIBERMESH REINFD CONC. OVER 6 MIL POLY VAPOR BARRIER W/ JOINTS LAPPED 8" MIN. AND SEALED W/ POLY VAPOR TAPE. ON TERMITES TREATED SOIL (TERMITICIDE OR ALTERNATIVE METHOD), COMPACTED TO 95% MAX DRY DENSITY MOD PROCTOR.

8" VERIFY

20" MIN

FINISH GRADE

16" WIDE X 20" DEEP CONC MONOLITHIC FOOTING REINF W/ MIN (2) #5'S CONT

16" MIN

SCALE: 3/4" = 1'-0

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



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

KEITH ARCHBOLD  
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**NICHOLAS  
PAUL  
GEISLER  
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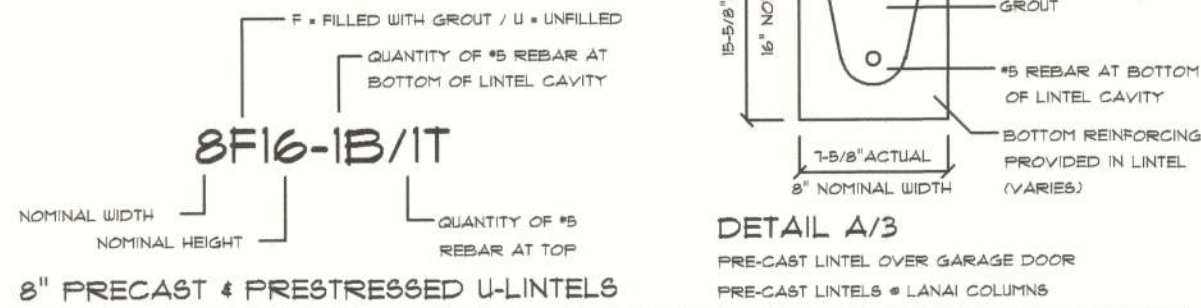
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S.1  
4 SHEETS



## TYPE DESIGNATION



		GRAVITY											
MARK	LENGTH	TYPE	RUB	8F8-CB	8F10-CB	8F12-CB	8F14-CB	8F16-CB	8F18-CB	8F20-CB	8F22-CB	8F24-CB	8F26-CB
L1	2'-10" (34')	PRECAST	2302	3366	4473	6039	7536	9004	10472	11936			
L2	3'-6" (42')	PRECAST	2302	3366	4473	6039	7536	9004	10472	11936			
L3	4'-0" (48')	PRECAST	2302	3366	4473	6039	7536	9004	10472	11936			
L4	4'-6" (54')	PRECAST	1681	2707	4031	6039	7536	9004	10472	11936			
L5	5'-4" (64')	PRECAST	1884	3223	4501	6039	7536	9004	10472	11936			
L6	5'-10" (70')	PRECAST	572	1055	1538	2146	2746	3388	3971	4589			
L7	6'-4" (76')	PRECAST	531	1025	1501	2056	2640	3244	3856	4480			
L8	7'-6" (90')	PRECAST	761	1225	1701	2356	3040	3744	4456	5176			
L9	8'-4" (100')	PRECAST	573	1055	1538	2146	2746	3388	3971	4589			
L10	10'-4" (124')	PRECAST	456	858	1255	1744	2236	2736	3244	3756			
L11	11'-4" (136')	PRECAST	445	858	1255	1744	2236	2736	3244	3756			
L12	12'-0" (144')	PRECAST	414	827	1225	1714	2206	2706	3214	3726			
L13	13'-4" (160')	PRECAST	362	769	1166	1656	2146	2636	3126	3616			
L14	14'-0" (168')	PRECAST	336	738	1135	1625	2115	2605	3095	3585			
L15	14'-6" (174')	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.			
L16	15'-4" (184')	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.			
L17	17'-4" (208')	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.			
L18	18'-4" (220')	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.			
L19	21'-4" (256')	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.			
L20	22'-0" (264')	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.			
L21	24'-0" (288')	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.			

		GRAVITY											
MARK	LENGTH	TYPE	8F16	8F18-CB	8F20-CB	8F22-CB	8F24-CB	8F26-CB	8F28-CB	8F30-CB	8F32-CB	8F34-CB	8F36-CB
L22	4'-4" (52')	PRECAST	1485	2511	3537	4563	5589	6615	7641	8667	9693	10719	11745
L23	4'-6" (54')	PRECAST	1351	2377	3403	4429	5455	6481	7507	8533	9559	10585	11611
L24	5'-6" (66')	PRECAST	785	1811	2837	3863	4889	5915	6941	7967	8993	10019	11045
L25	5'-10" (70')	PRECAST	735	1761	2787	3813	4839	5865	6891	7917	8943	9969	10995
L26	6'-8" (80')	PRECAST	832	2058	3284	4510	5736	6962	8188	9414	10640	11866	13092
L27	7'-6" (90')	PRECAST	645	1671	2897	4123	5349	6575	7801	9027	10253	11479	12705
L28	8'-8" (104')	PRECAST	371	927	1603	2279	2955	3631	4307	4983	5659	6335	7011

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

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

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

## PROJECT COORDINATION REQUIREMENTS

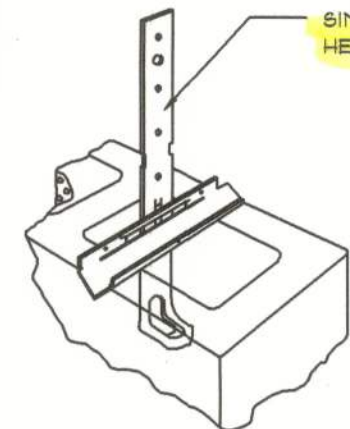
**NOTICE!**  
THESE PLANS ARE DRAWN FOR AVERAGE SITE CONDITIONS AND COMPLIANCE WITH APPLICABLE CODES AT THE TIME THEY ARE DRAWN. DUE TO VARYING STATE, LOCAL, AND NATIONAL CODES, RULES AND REGULATIONS, N.P. GEISLER, ARCHITECT CANNOT WARRANT COMPLIANCE WITH ALL APPLICABLE STATE, LOCAL, AND NATIONAL CODES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

## Roof Framing PLAN

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

### 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



## Truss Anchor DETAIL

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

## GENERAL TRUSS NOTES:

- TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE 'NATIONAL FOREST PRODUCTS ASSOCIATION' MANUAL FOR 'STRESS RATED LUMBER AND ITS CONNECTIONS', LATEST Ed., ALONG W/ THE TRUSS PLATE INSTITUTE'S SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, DETS, & TRUSS TO TRUSS CONNECTIONS.
- TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
- FOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REQUIREMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND UPLIFT REQUIREMENTS OF TRUSSES OR ORDERS. THE CONTRACTOR SHALL MAKE AVAILABLE A COMPLETE SET OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR THE PURPOSE OF REVIEW OF LOADS IMPOSED ON THE BALANCE OF THE STRUCTURE. ANY SUCH REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THIS STRUCTURE.

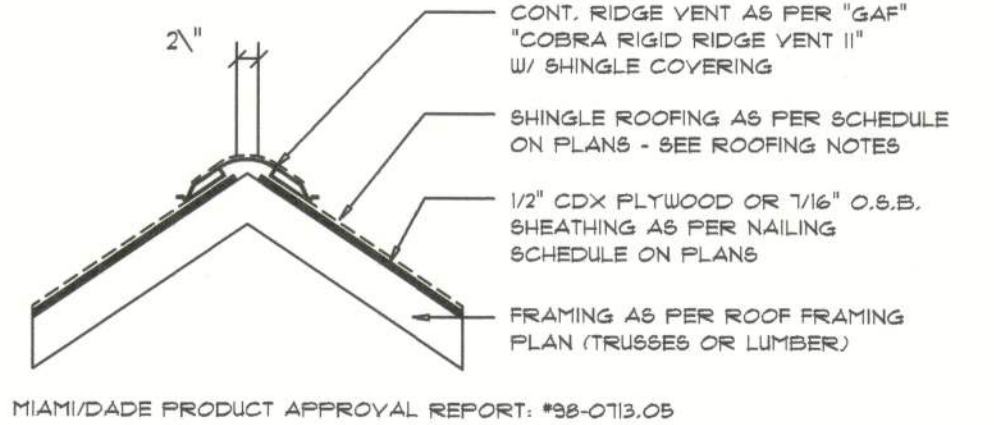
## ROOF PLAN NOTES

- R-1 SEE EXTERIOR ELEVATIONS FOR ROOF PITCH
- R-2 ALL OVERHANG 18" UNLESS OTHERWISE NOTED
- R-3 PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH SCHEDULE ON SD.3
- R-4 SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HEEL HEIGHTS
- R-5 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

**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 SD.4

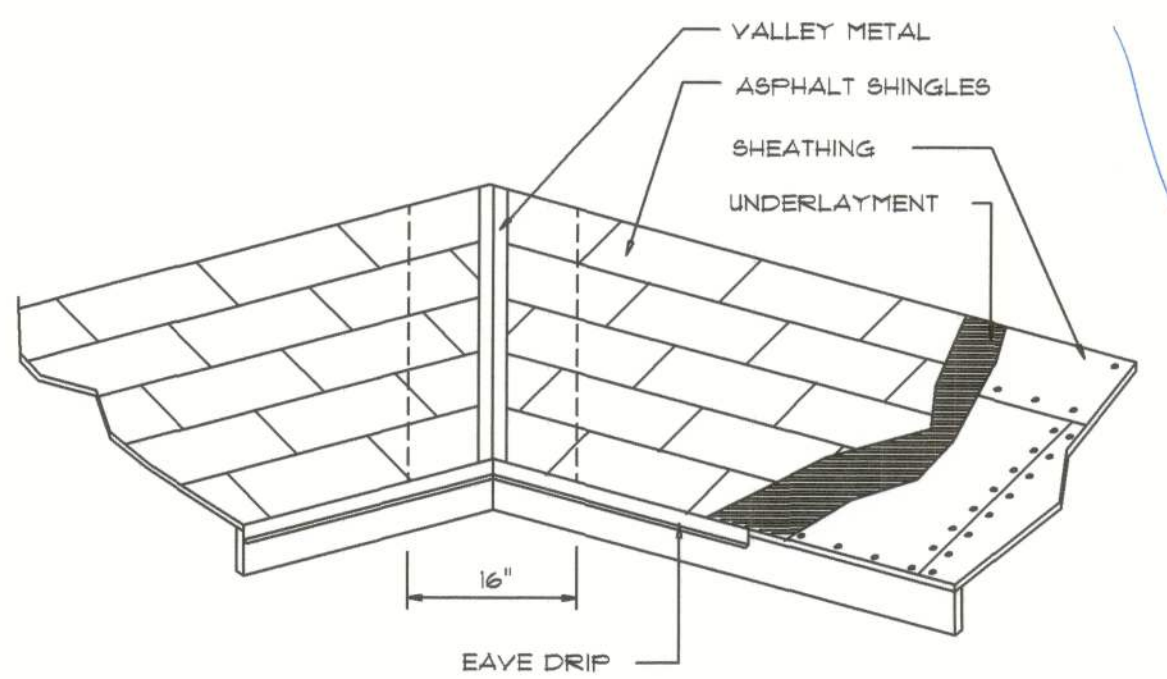
**NOTE!**  
THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER 2017 PER R301.2.1.1 AND LOCAL JURISDICTION REQUIREMENTS

AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ. IN.
1800 SF	24 LF	490 SQ. IN.
2200 SF	28 LF	570 SQ. IN.
2500 SF	32 LF	650 SQ. IN.
2800 SF	36 LF	730 SQ. IN.
3100 SF	40 LF	820 SQ. IN.
3600 SF	44 LF	900 SQ. IN.



## Ridge Vent DETAIL

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



## 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	0.0178	26 (ZINC COATED G30)	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40 20

REVISIONS

July 29, 2022

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A MODERN FARMHOUSE DESIGN FOR:  
**KEITH ARCHBOLD**  
PROJECT ADDRESS: Lot 32, Village On The Green, Lake City, Florida 32025 (Columbia County)

10/25/22  
19 July 2022  
AR0001005

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SHEET NUMBER  
**S.2**  
OF 4 SHEETS

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FLORIDA BUILDING CODE

Compliance Summary

TYPE OF CONSTRUCTION

Roof: Gable / Hip Construction, Wood Trusses @ 24" O.C.  
Walls: 8" CMU W/ (1) #5 VERTICAL @ 48" O.C. MAX  
Floor: 4" Thk. Concrete Slab W/ Fibermesh Concrete Additive  
Foundation: Continuous monolithic footing or /Stem Wall foundation system

ROOF DECKING

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

SHEAR WALLS

Material: 8" CMU W/ (1) #5 VERTICAL @ 48" O.C. MAX AND BESIDE EACH OPENING

HURRICANE UPLIFT CONNECTORS

Truss Anchors: SIMPSON HETEL 16 W/ TSS  
Truss Anchors (FRAME): SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS

Porch Column Base Connector: Simpson ABU44/ABU66 @ each column  
Porch Column to Beam Connector: Simpson EPC44 or 66 /PC44 or 66 @ each column

FOOTINGS AND FOUNDATIONS

Footings: House walls: 20"D x 16"W Cont. W/ (2) #5 Bars Cont. on chairs or (1) #3 Transverse @ 24" O.C.  
Optional Stemwall: 8" C.M.U. W/1-#5 Vertical Dowel @ 48" O.C.

STRUCTURAL DESIGN CRITERIA:

1. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE (17th EDITION) AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.

2. WIND LOAD CRITERIA: RISK CATEGORY: 2, EXPOSURE: "C"  
BASED ON ANSI/ASCE 7-10, 2017 FBC 1609-A WIND VELOCITY:  $V_{ULT} = 140$  MPH  
 $V_{ASD} = 108$  MPH

3. ROOF DESIGN LOADS:  
SUPERIMPOSED DEAD LOADS: 20 PSF  
SUPERIMPOSED LIVE LOADS: 20 PSF

4. FLOOR DESIGN LOADS:  
SUPERIMPOSED DEAD LOADS: 25 PSF  
SUPERIMPOSED LIVE LOADS:  
RESIDENTIAL 40 PSF  
BALCONIES 60 PSF

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

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 104.2.6
  - 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 1816.1.1
  - SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2
  - BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1816.1.3
  - MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RET- ARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4
  - CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5
  - SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6
  - 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 1816.1.6
  - ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1816.1.7
  - A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPART- MENT BY # 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 CONS- UMER SERVICES". FBC 1816.1.7
  - AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3
  - NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

FRAMING ANCHOR SCHEDULE

APPLICATION	MANUF/R/MODEL	CAP.
TRUSS TO WALL:	"SIMPSON" HETEL 16 W/ TSS	1410#
PORCH BEAM TO POST (4x 4):	SIMPSON PC44/EPC44	1700#
PORCH BEAM TO POST (6x 6):	SIMPSON PC66/EPC66	1700#
PORCH POST TO FND.:	SIMPSON ABU44 or ABU 66	2200#
MISC. JOINTS	SIMPSON A34	315#/240#

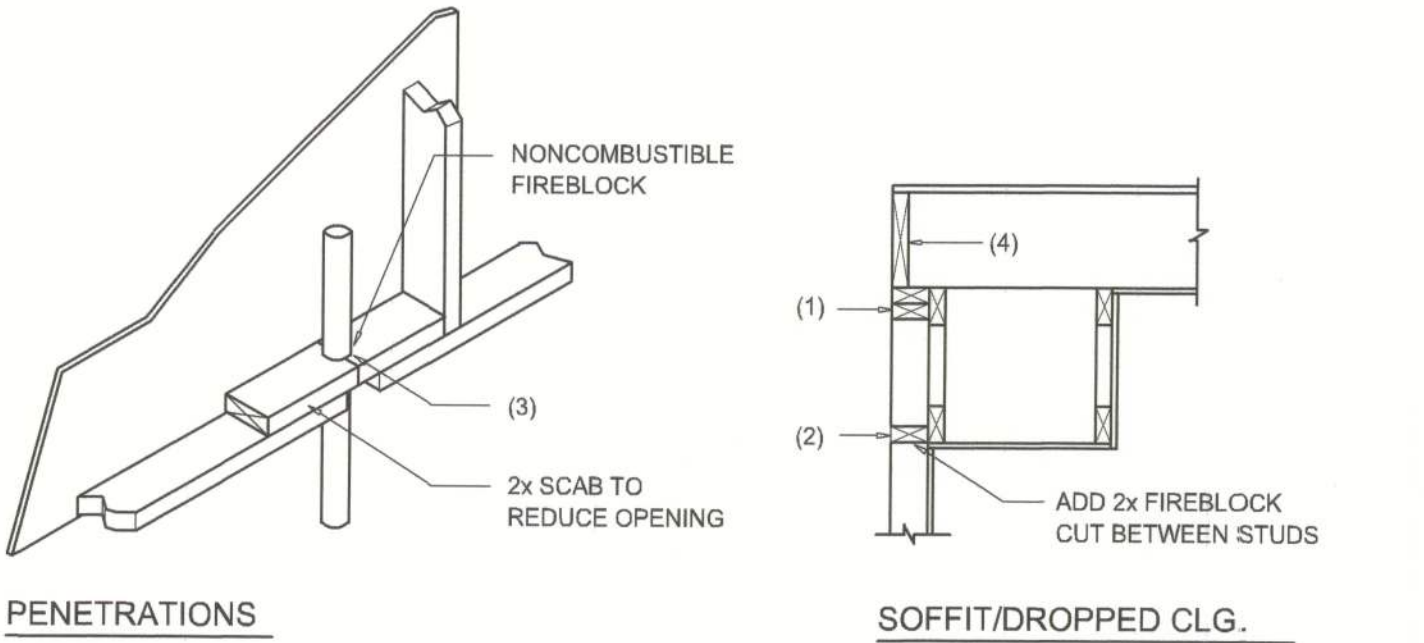
NOTE:  
ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.

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

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

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

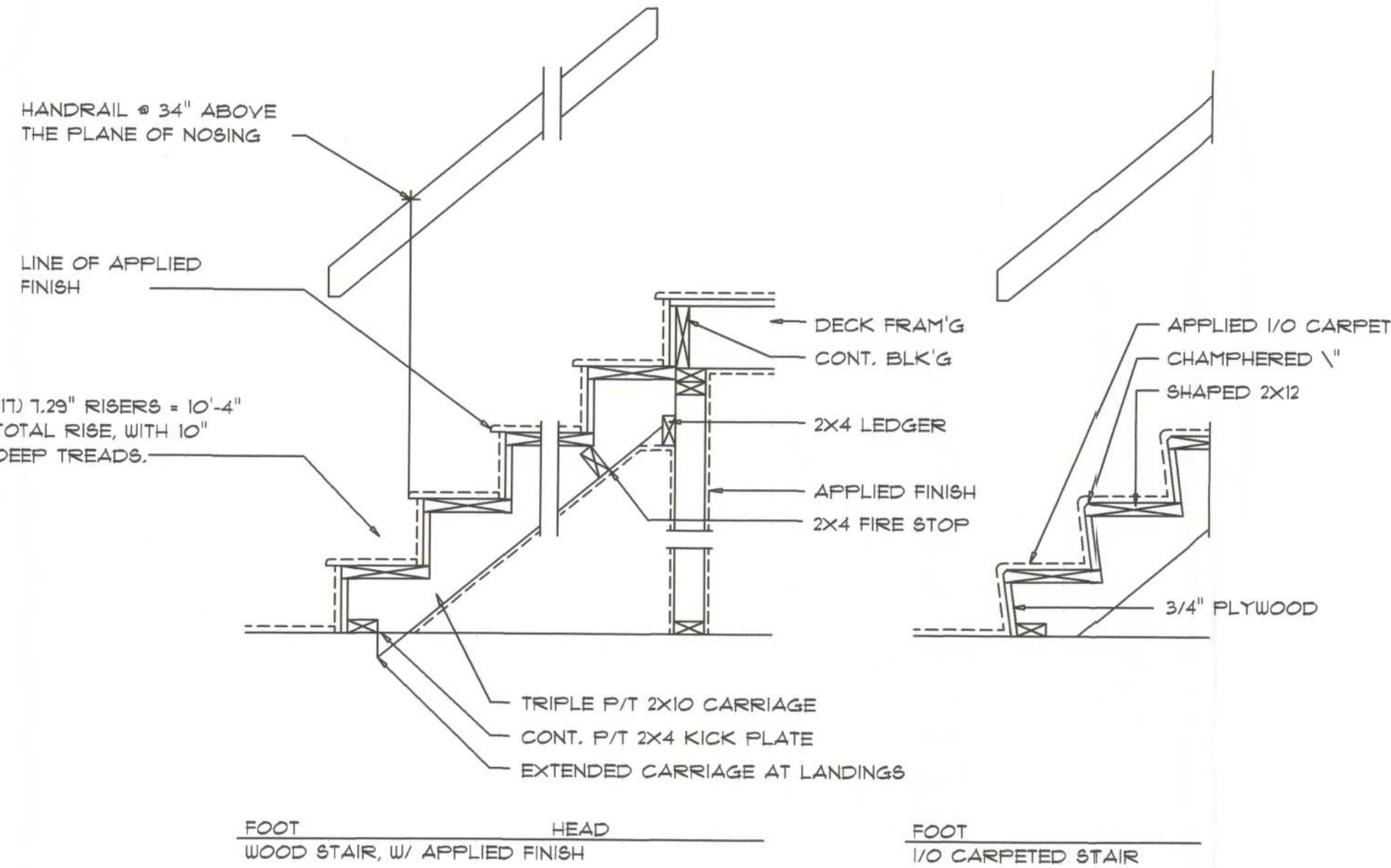
NOTE:  
"SIMPSON" PRODUCT APPROVALS:  
MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04  
SBCC1 NER-443, NER-393



- 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.
  - AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYRO PANEL 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.

Fire Stopping DETAILS

SCALE: NONE



Typical Stair DETAIL

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

NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

General Roofing NOTES:

- DECK REQUIREMENTS:  
ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.
- SLOPE:  
ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER. FOR ROOF SLOPES FROM 2:12 TO 4:12, DBL. UNDERLAYMENT IS REQUIRED.
- UNDERLAYMENT:  
UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM W/ ASTM D 226, TYPE 1, OR ASTM D 4869, TYPE 1.
- SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:  
SELF ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY W/ ASTM D 1970.
- ASPHALT SHINGLES:  
ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 225 OR ASTM D 3462.
- FASTENERS:  
FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 12 GAUGE SHANK WITH A MINIMUM 3/8 INCH DIAMETER HEAD, OF A LENGTH TO PENETRATE THROUGH THE ROOFING MATERIAL AND A MINIMUM 3/4" INTO THE ROOF SHEATHING. WHERE THE SHEATHING IS LESS THAN 3/4" THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING.

- ATTACHMENT:  
ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE. WHERE ROOFS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 3161 OR M-DC PA 107-95.
- UNDERLAYMENT APPLICATION:  
FOR ROOF SLOPES FORM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:  
1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL TO 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/ MFG'R'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 77 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.
- 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. FOR OPEN VALLEYS LINED WITH METAL, THE VALLEY LINING SHALL BE AT LEAST 18" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN FBC TABLE 1507.3.9.2.  
2. FOR 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. FOR CLOSED VALLEYS VALLEY LINING SHALL BE ONE OF THE FOLLOWING:  
1. BOTH TYPES 1 AND 2 ABOVE, COMBINED.  
2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.  
3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 1970.

NOTE !!!

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

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

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

REVISIONS

July 29, 2022

SOFTPLAN

ARCHITECTURAL DESIGN SOFTWARE

A MODERN FARMHOUSE DESIGN FOR:

KEITH ARCHBOLD

PROJECT ADDRESS: Lot 32, Village On The Green, Lake City, Florida 32025 (Columbia County)

24 July 2022

AR0007005

NICHOLAS PAUL BEISLER ARCHITECT

1758 NW Brown Rd. Lake City, FL 32055

N.C.A.R.B. Certified (386) 365-4355

JOB NUMBER

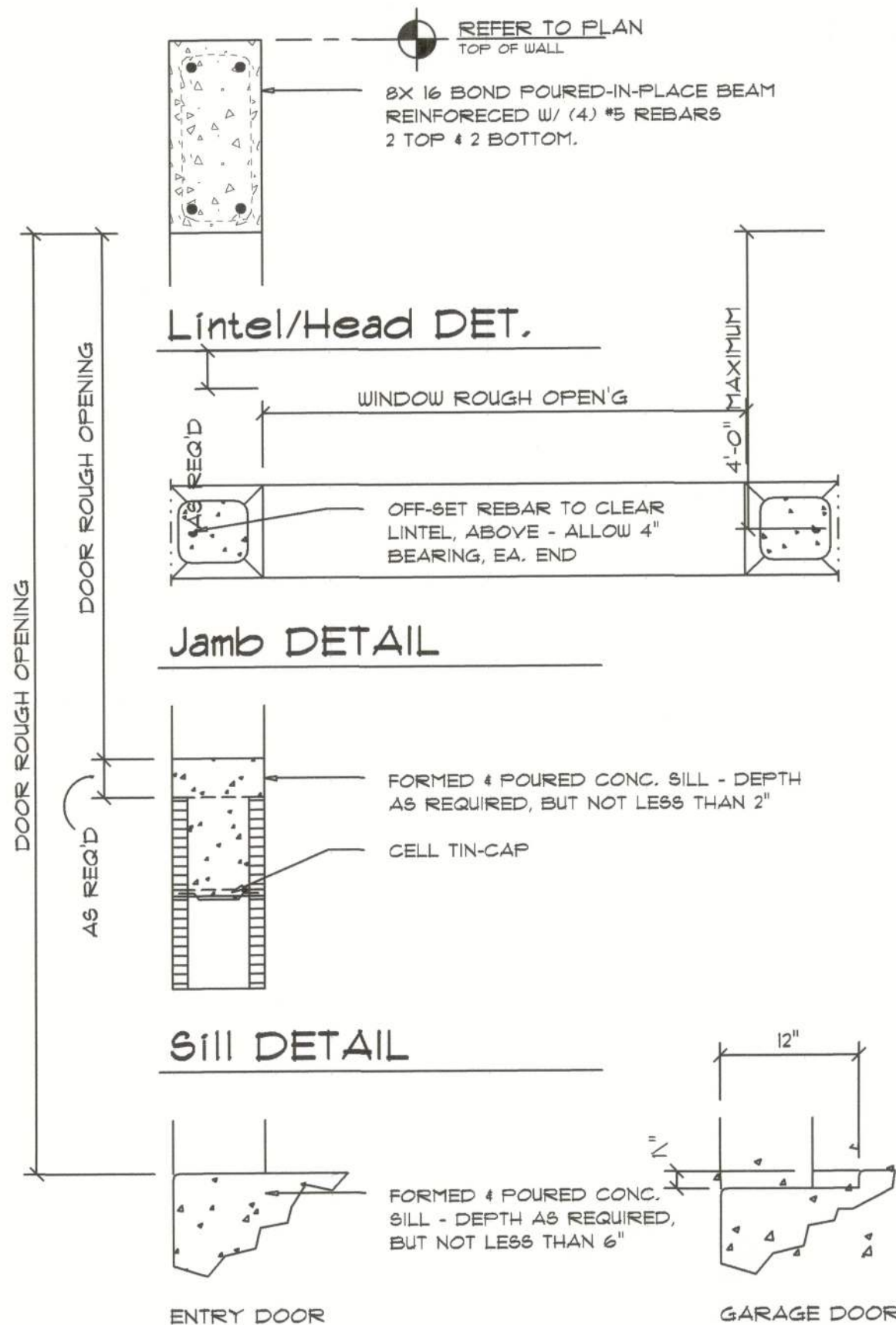
20220411

SHEET NUMBER

S.3

OF 4 SHEETS

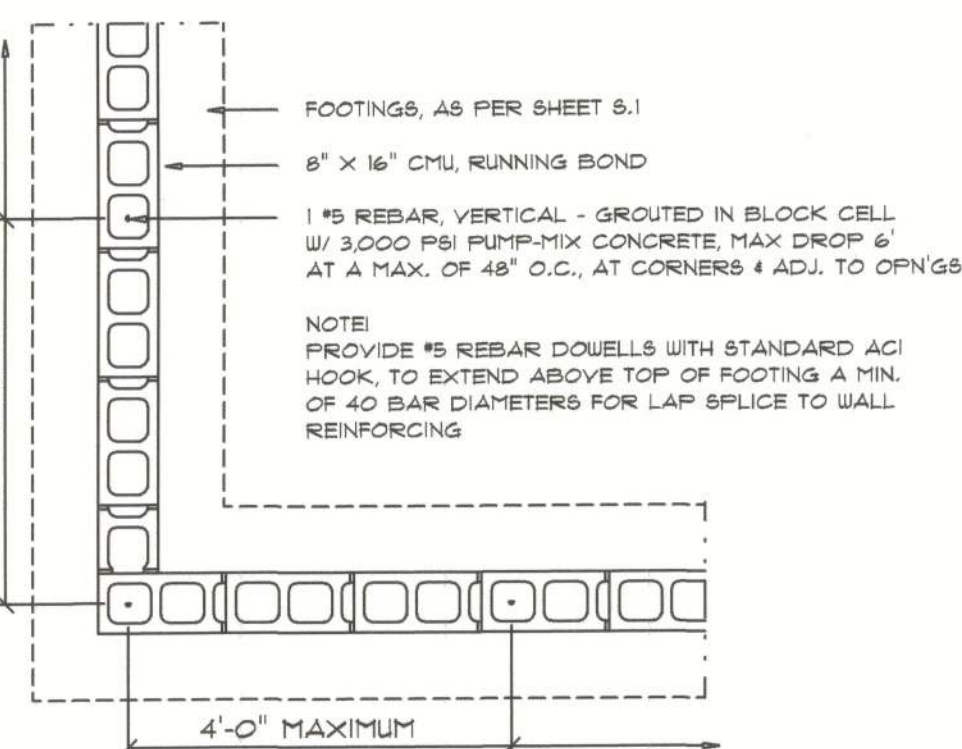
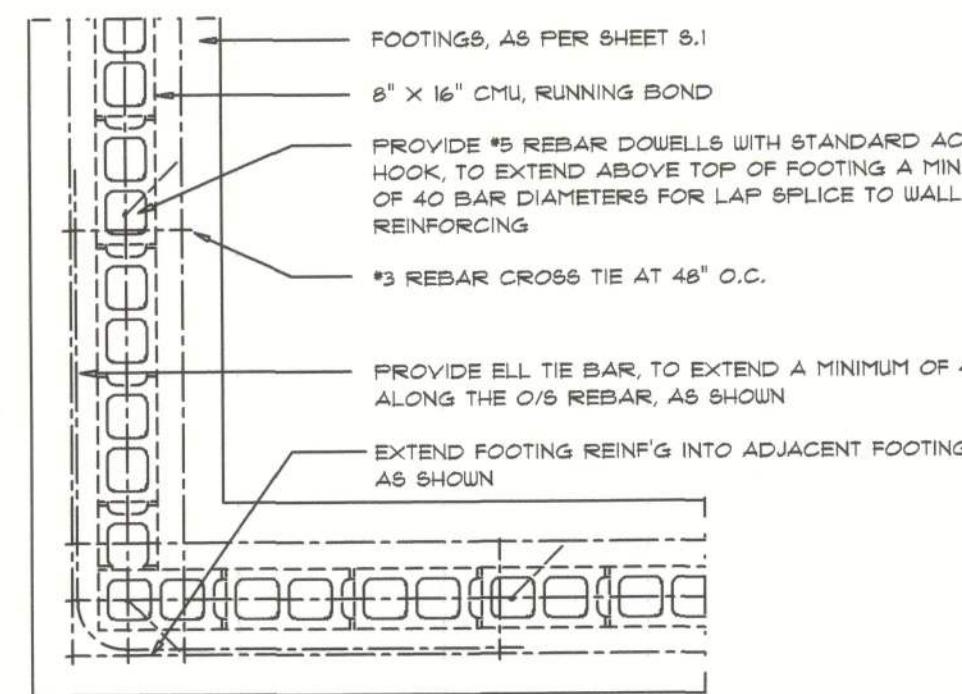




Masonry Opn'g DET'S

SCALE: 1" = 1'-0"

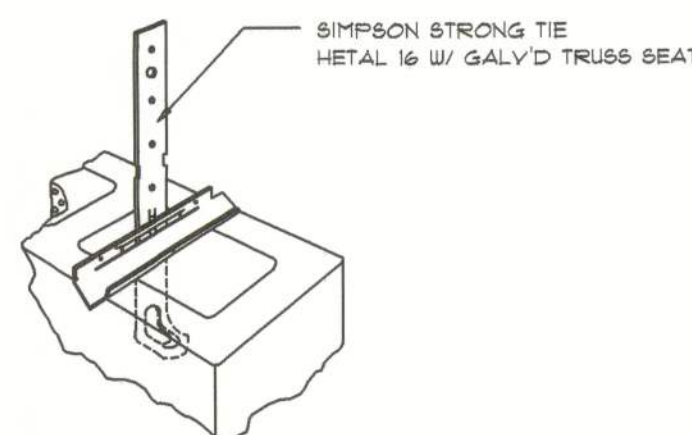
B



Wall/Foundation Reinf'g DETAIL

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

A



Truss Anchor DETAIL

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

E

CONCRETE / MASONRY / METALS GENERAL NOTES:

- DESIGN SOIL BEARING PRESSURE: 1,000 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 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
- REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 85 KSI.
- CONCRETE SHALL BE STANDARD MIX F<sub>c</sub> = 3,000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F<sub>c</sub> = 3,000 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<sub>m</sub> = 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 PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.

TERMITE PROTECTION NOTES:

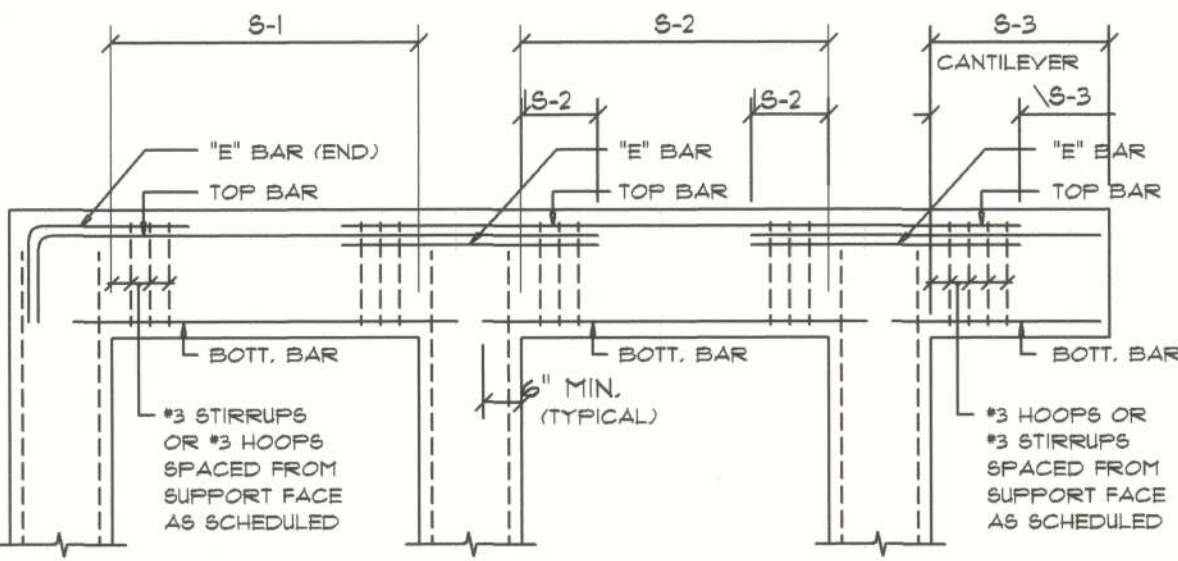
SOIL CHEMICAL BARRIER METHOD:

- 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 104.2.6
- 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 1816.1.1
- SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2
- BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS, PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1816.1.3
- MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4
- CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5
- SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6
- 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 1816.1.6
- ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1816.1.7
- 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 1816.1.7
- AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3
- NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

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 N-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.

BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"					
ZONE	WIND AC	WIND 110 MPH	WIND 120 MPH	WIND 130 MPH	WIND 140 MPH
ROOF 7' TO 27'	1 10	12.0 / -19.9	14.9 / -23.7	17.5 / -27.8	20.3 / -32.3
	2 20	11.4 / -19.4	13.6 / -23.0	16.0 / -27.0	18.5 / -31.4
	1 50	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2
WALL	2 10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4	20.3 / -56.2
	2 20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6	18.5 / -51.7
	2 50	10.0 / -28.2	11.9 / -33.6	13.9 / -39.4	16.1 / -45.7
WALL	3 10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6	20.3 / -83.1
	3 20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0	18.5 / -77.7
	3 50	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8	16.1 / -70.5
WALL	4 10	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0	35.3 / -38.2
	4 20	20.8 / -22.6	24.7 / -26.9	29.0 / -31.6	33.7 / -36.7
	4 50	19.5 / -21.3	23.2 / -25.4	27.2 / -29.8	31.6 / -34.6
WALL	5 10	21.8 / -29.1	25.9 / -34.7	30.4 / -40.7	35.3 / -47.2
	5 20	20.8 / -27.2	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0
	5 50	19.5 / -24.6	23.2 / -28.3	27.2 / -34.3	31.6 / -38.8



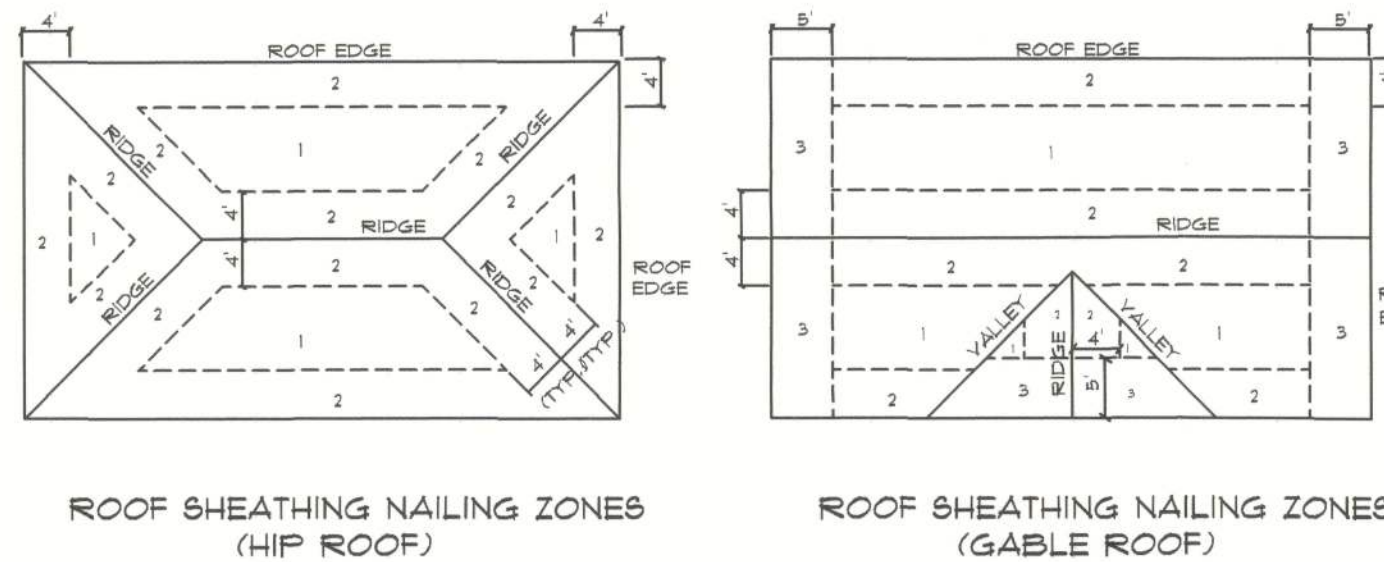
BOTTOM BARS - TOP BARS - "E" BARS

BENDING DIA.: CAST-IN-PLACE CONCRETE BEAMS & SLABS

SCALE: NONE

F

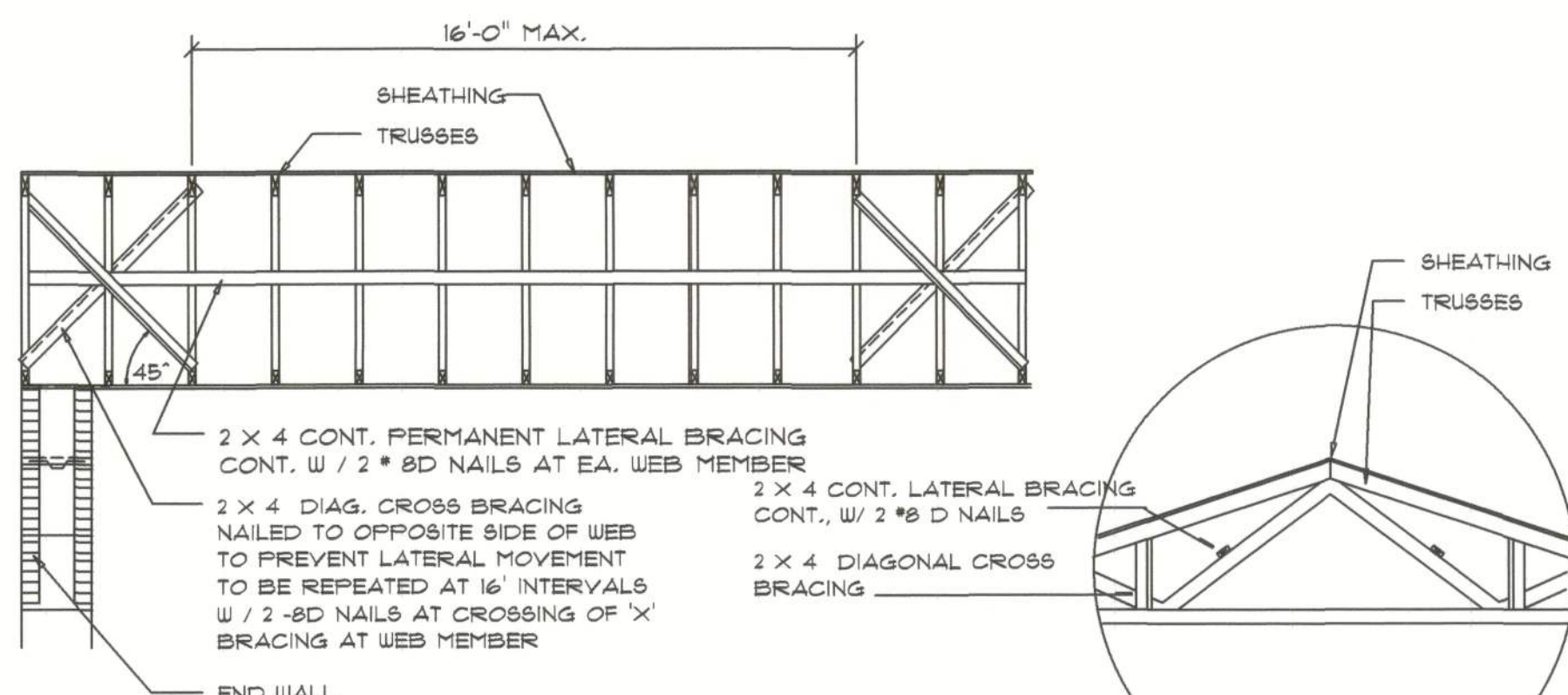
ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1		8d COMMON OR 8d HOT DIPPED GALVANIZED BOX NAILS	6 in. o.c. EDGE 12 in. o.c. FIELD
2	1/4" O.S.B. OR 5/32 CDX		6 in. o.c. EDGE 6 in. o.c. FIELD
3			4 in. o.c. GABLE ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD



Roof Nail Pattern DET.

SCALE: NONE

B



TYP. PERMANENT TRUSS BRACING DIA. NTS

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

Truss Bracing DETAILS

SCALE: AS NOTED

D