









FRONT & REAR ELEVATIONS

SCALE:

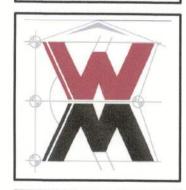
TYPICAL WALL SECTION

T'= 1'0"

L 2010 (expanded) right-hand (front entry) FOR: **EVEN** Winsberg

CT ADDRESS: 138 MERCURY CT, COLUMBIA COUNTY, FLORIDA 33

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A550CIATE-5, INC.
426 SW COMMERCE DR. STE 130
LAKE CITY, FL 32025
(386) 758-8406
will@willmyers.net



JOB NUMBER 20250115

SHEET NUMBER

Dul C-Ang



January 15, 2025

SOFTPIAN ARCHITECTURAL DESIGN SOFTWARE

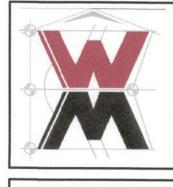
LEFT & RIGHT ELEVATIONS
SCALE: 1/4" = 1'-0"

MODEL 2010 (expanded) right-hand (front entry) FOR:

Steven Winsberg

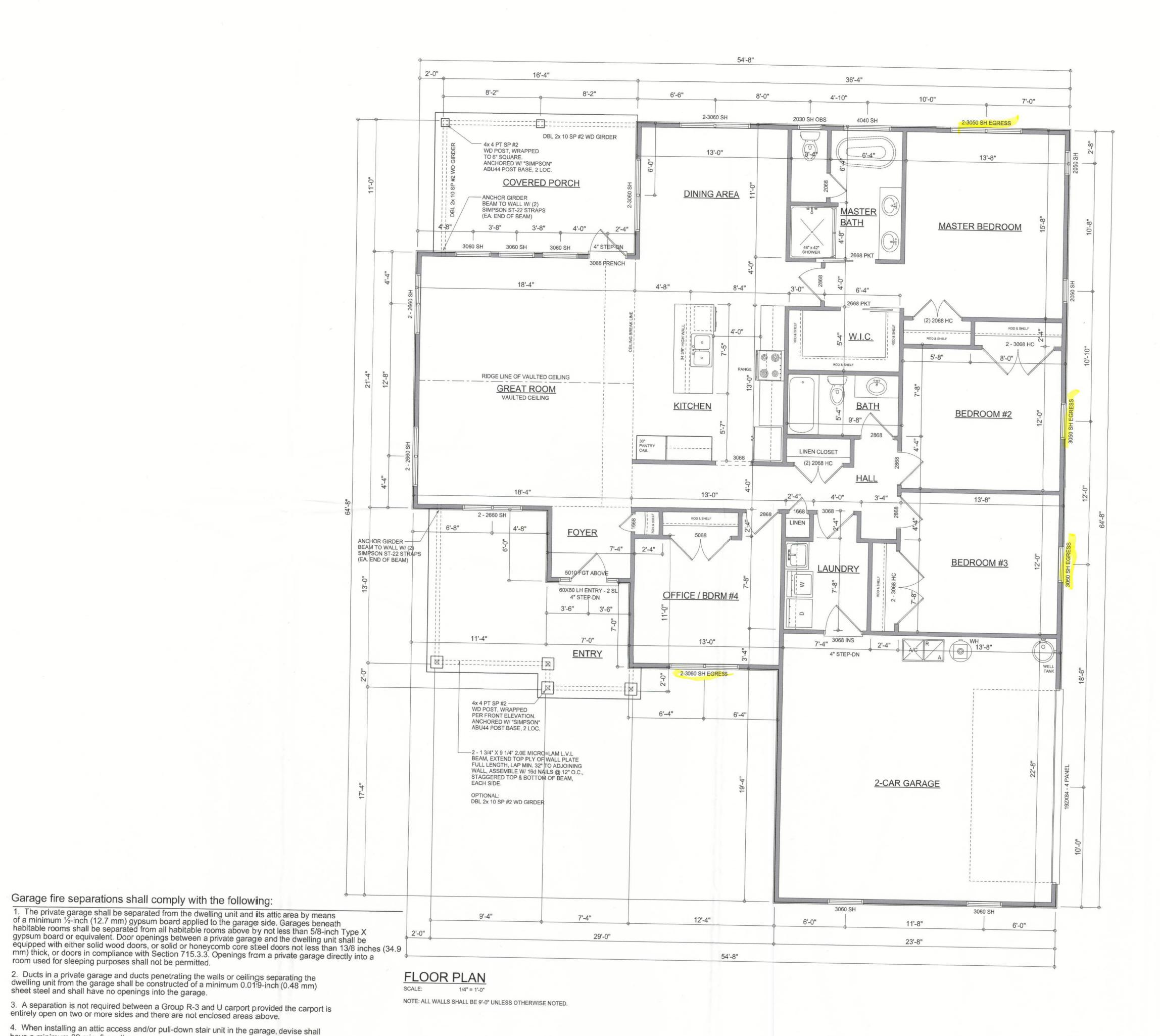
PROJECT ADDRESS: 138 MERCURY CT, COLUMBIA COUNTY, FLORIDA 32025

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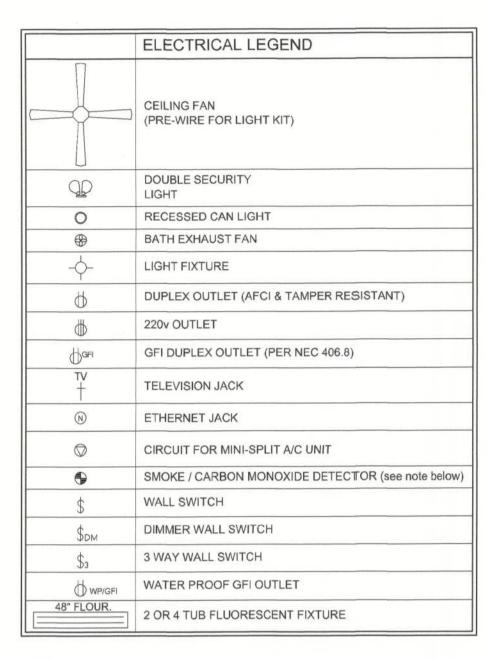
A.2



AREA SUMMARY

LIVING AREA 2,010 S.F.
GARAGE AREA 528 S.F.
COVERED PORCH AREA 180 S.F.
ENTRY PORCH AREA 185 S.F.
TOTAL AREA 2,903 S.F.

have a minimum 20 min. fire rating.



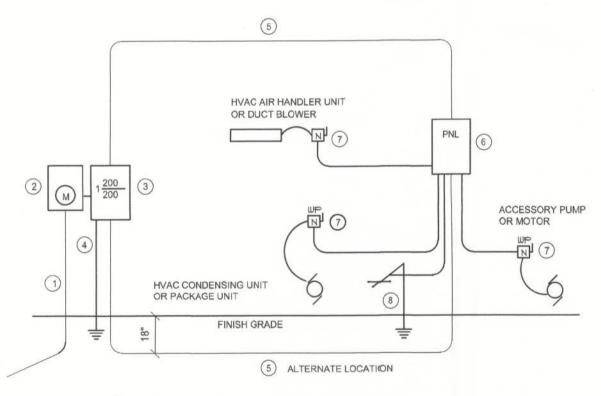
ALL INTERIOR RECEPTACLES SHALL BE AFCI
(ARC FAULT CIRCUIT INTERRUPT) PER NEC 210.12 & TAMPER RESISTANT PER

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

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 2020 (NFPA-70) NATIONAL ELECTRIC CODE AND ALL OTHER LOCAL CODES AND ORDINANCES.



- Service/Feeder Entrance Conductors: 2" rigid conduit, mim. 18" deep, w/ continuous Ground Bonding Conductor, Service/ Entrance Conductors shall not be spliced except that bolted connections at the Meter, Disconnecting Devices and Panel shall be allowed.
- 2 Meter Enclosure, weatherproof, U.L. Listed.
- 3 Main Disconnect Switch: fused or Main BRKR, weatherproxof,
- Service entrance Ground: }" ~ iron/steel rod x 8'-0" long and/or concrete encased foundation steel rebar x 20'-0" lorng. Grounding Conductor shall be bonded to each piece of Service/ Entrance Equipment, and shall be sized per Item #5, below.
- 5) 200 AMPERE SERVICE: 3-#2/0-USE-Cu, 1-#4-Cu-GND, 2" Conduit.
- (6) House Panel (PNL), U.L. Lised, sized per schedule.
- 7 Equipment Disconnect Switch: non-fused, in weatherproof enclosure, size according to Panel Schedule loads.

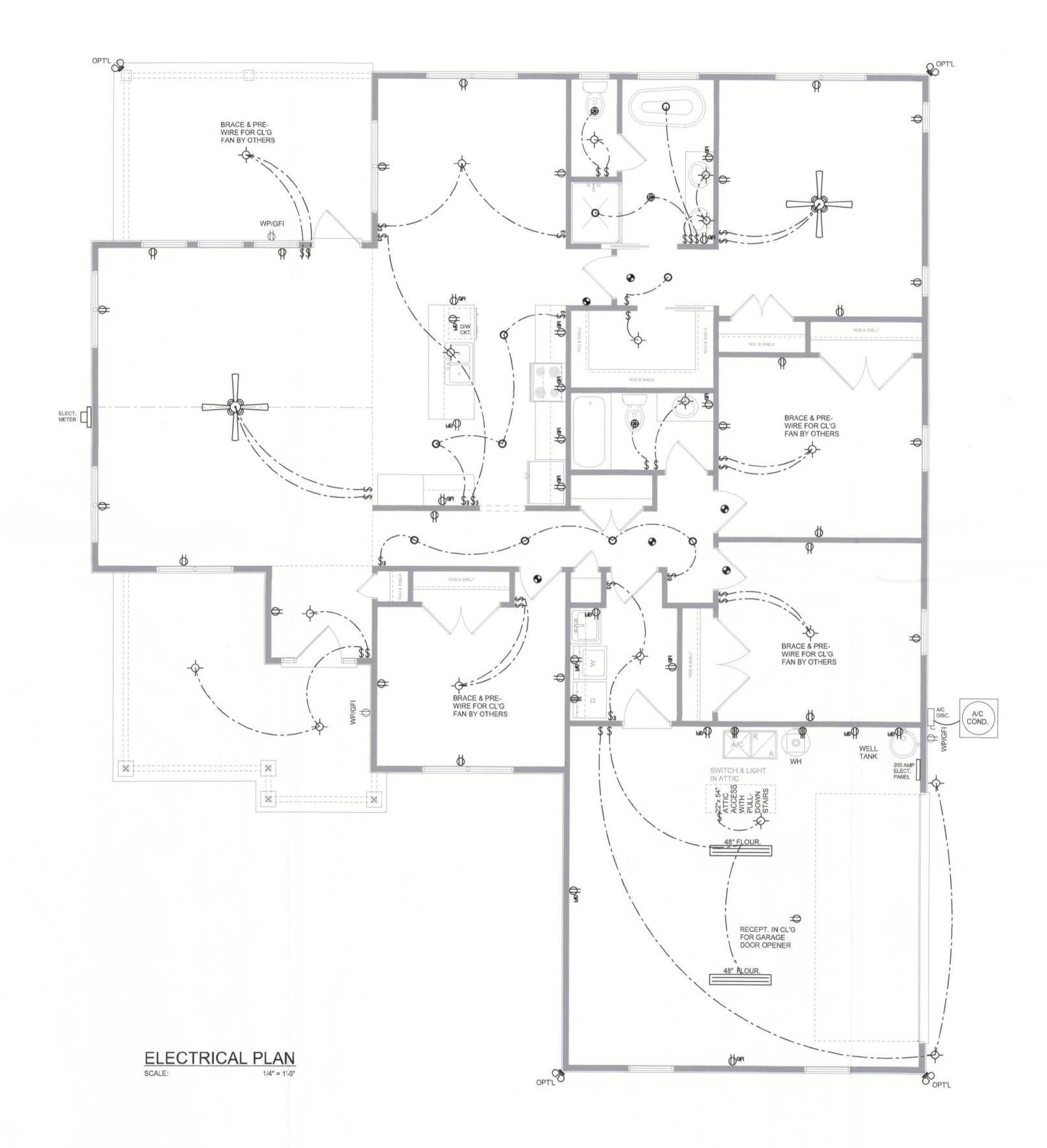
Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.

AND DISCONNECT SWITCHES SHALL BE 22,000 AIC.

THE MINIMUM AIC RATING FOR PANEL BOARDS, BRKRS

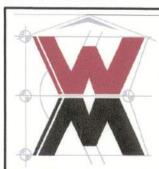
ELECTRICAL RISER DIAGRAM: 200A

SCALE: NONE



SOFTPIXN

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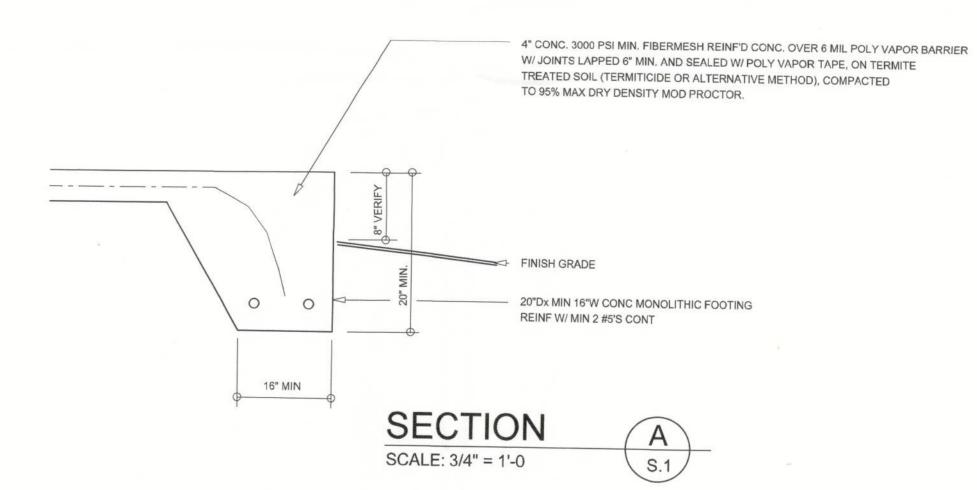


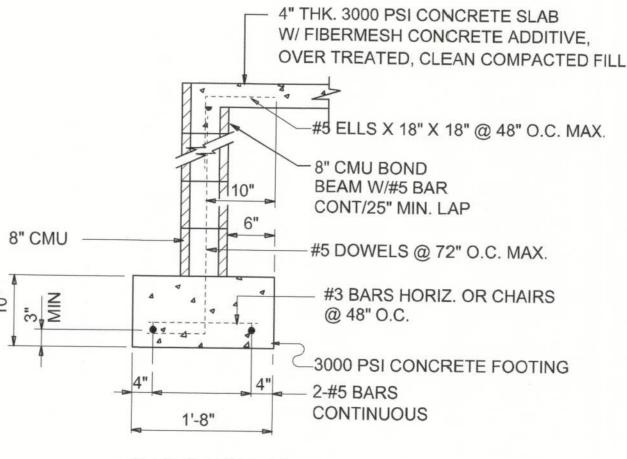
JOB NUMBER 20250115

SHEET NUMBER

# CONCRETE / MASONRY / METALS GENERAL NOTES:

- DESIGN SOIL BEARING PRESSURE: 1000 PSF.
- EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PREFORMED 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 REQUIRE-MENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIRE-MENTS OF ASTM A185 - MIN. YEILD STRESS = 85 KSI.
- 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 PLACE-MENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH -F'm = 1500 PSI.
- MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
- 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.





NOTE!

PRIOR TO THE CONSTRUCTION OF THE FOUNDATION,

BEARING LOCATION CONDITIONS PER THE TRUSS

POINT LOADS OF 4.0 K OR GREATER SHALL BE

PRIOR TO POURING ANY CONCRETE.

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

THE CONTRACTOR SHALL COORDINATE ANY INTERIOR

ENGINEERED SHOP DRAWINGS WITH THE FOUNDATION PLAN. ANY INTERIOR BEARING LOCATIONS OR ANY

SECTION (optional)

SCALE: 3/4" = 1'-0

S.1

NOTE:
THE DESIGN WIND SPEED FOR THIS
PROJECT IS 130 MPH PER 2023 FBC (8th Edition)
AND LOCAL JURISDICTION REQUIREMENTS

NOTE:
ADDED FILL SHALL BE APPLIED IN 8" LIFTS EA. LIFT SHALL BE CONPACTED TO 98% DRY
COMPACTION PER THE "MODIFIED PROCTOR"
METHOD.

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

REVISIONS January 20, 2025

SOFTPIXN

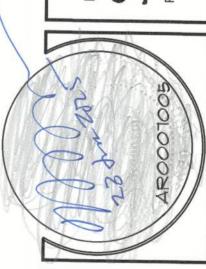
OUNDATION PLAN

FLORIDA 32025

Steven Winsberg (front entry) FOR:

Steven Winsberg

PROJECT ADDRESS: 138 MERCURY CT. COLUMBIA COLINTY

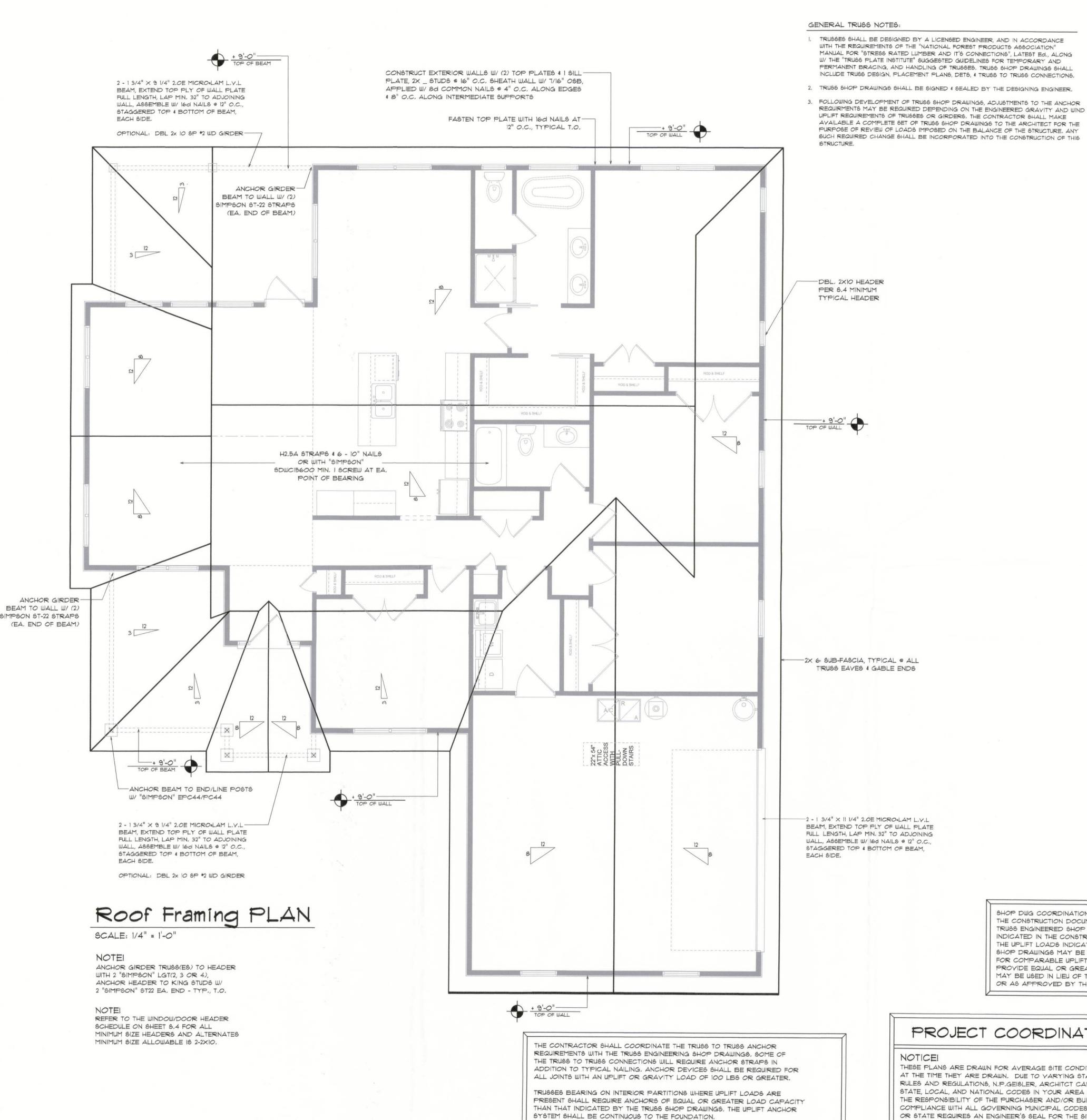


IICHOLAS
PAUL
GEISLER 1758 NW Brown
RCHITEGT 1360 365-4355

JOB NUMBER 20250115

S.1

OF 4 SHEETS



### ROOF PLAN NOTES

ALL OVERHANG 18"

UNLESS OTHERWISE NOTED

- WITH THE REQUIREMENTS OF THE "NATIONAL FOREST PRODUCTS ASSOCIATION" MANUAL FOR "STRESS RATED LUMBER AND IT'S CONNECTIONS", LATEST Ed., ALONG W/ THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND
  - PROVIDE ATTIC VENTILATION IN AC-CORDANCE WITH SCHEDULE ON 5.2
    - SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HEEL HEIGHTS

R-1 SEE EXTERIOR ELEVATIONS FOR ROOF PITCH

MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

SHEATH ROOF W/ 19/32" CDX PLYWOOD PLACED W/ LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES, SECURE TO FRAMING W/ 10d RING-SHANK NAILS - AS PER DETAIL ON SHEET 5.4

### NOTE

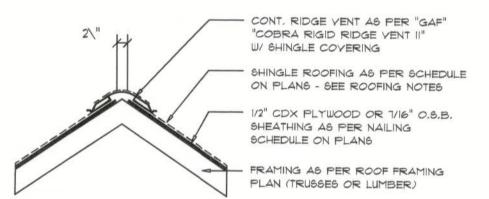
THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER 2023 FBC (8th Edition) AND LOCAL JURISDICTION REQUIREMENTS

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'-O". PENETRATIONS THROUGH SUCH BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES, NOTED ABOVE

## WOOD STRUCTURAL NOTES

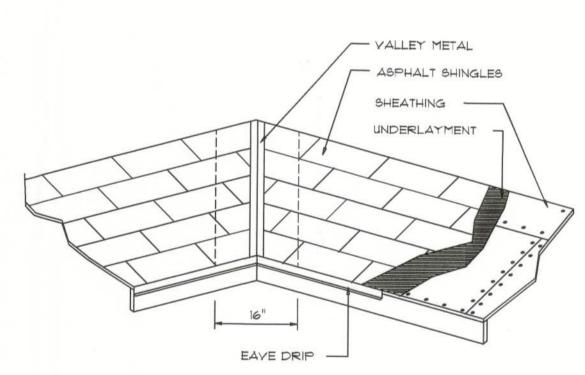
- 1. TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPON-SIBILITY OF THE CONTRACTOR SO ENGAGED, TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDE-LINES OF THE "TRUSS PLATE INSTITUTE",
- 2. ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER & SHALL BE SIGNED AND SEALED BY SAME, TRUSS DESIGN SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE "TRUSS PLATE INSTITUTE".
- 3. WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN Nr.2 HEM-FIR OR BETTER.
- 4. CONNECTORS FOR WOOD FRAMING SHALL BE GALYANIZED 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 CON-

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



MIAMI/DADE PRODUCT APPROVAL REPORT: #98-0113.05





YALLEY FLASHING

SHOP DWG 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

## PROJECT COORDINATION REQUIREMENTS

OR AS APPROVED BY THE BUILDING OFFICIAL.

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, ARCHITCT 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, LICENCED PROFESSIONAL ENGINEER.

MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT
COPPER		1919	16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALYANIZED STEEL	er10.0	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.027	~ ~ 5	40

Roofing/Flashing DETS.



SHEET NUMBER

OF 4 SHEETS

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

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JOB NUMBER 20250115

### FLORIDA BUILDING CODE

### Compliance Summary

### TYPE OF CONSTRUCTION

Gable and/or Hip Construction, Wood Trusses @ 24" O.C. Walls: 2x 4 or 2x 6 Wood Studs @ 16" O.C. 4" Thk. Concrete Slab W/ 6x6/10:10 WWM ON CHAIRS @ 36" O.C.,

Foundation: Continuous monolithic footing or /Stem Wall foundation system

**ROOF DECKING** 19/32" CDX Plywood or 7/16" O.S.B.

### Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing Fasteners: 10d Ring-Shank nails per schedule on sheet S.4

1/2" CD Plywood or 7/16" O.S.B. Sheet Size: 48"x96" Sheets Placed Vertical, stagger each sheet.

Fasteners: 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior Dragstrut: Double Top Plate (S.Y.P.) W/16d Nails @ 12" O.C. Wall Studs: 2x 4 or 6 Wood Studs @ 16" O.C.

### HURRICANE UPLIFT CONNECTORS

SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS Truss Anchors: Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. Top & Bot. Wall Tension: Porch Column Base Connector: Simpson ABU66/ABU66 @ each column (or equiv.)

Porch Column to Beam Connector: Simpson EPC66/PC66 @ each column (or equiv.)

### FOOTINGS AND FOUNDATIONS

AT TIME OF PERMIT.

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

### STRUCTURAL DESIGN CRITERIA:

THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2023 FLORIDA BUILDING CODE (8TH EDITION) AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION

2. WIND LOAD CRITERIA: RISK CATAGORY: 2, EXPOSURE: "B"

BASED ON ANSI/ASCE 7-16. 2023 FBC 1609-A WIND YELOCITY: Y ULT = 130 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: ..... 40 PSF RESIDENTIAL ..... 60 PSF BALCONIES

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

### **TERMITE PROTECTION NOTES:**

### SOIL CHEMICAL BARRIER METHOD:

1. 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

2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4

3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS.

FBC 1503.4.4 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

5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1

6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2

7. 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 8. 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 9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5

10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6

11. 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

12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT.

13. 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

14. 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

15. 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 H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS 960# GIRDER TRUSS TO POST/HEADER: SIMPSON LGT, W/ 28 - 16d NAILS 1785# 1370# HEADER TO KING STUD(S): SIMPSON ST22 PLATE TO STUD: 1065# SIMPSON SP2 STUD TO SILL: 585# SIMPSON SP1 1700# PORCH BEAM TO POST: SIMPSON PC44/EPC44 PORCH POST TO FND.: (6) LOG TOE-SCREWS MISC. JOINTS SIMPSON A34

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

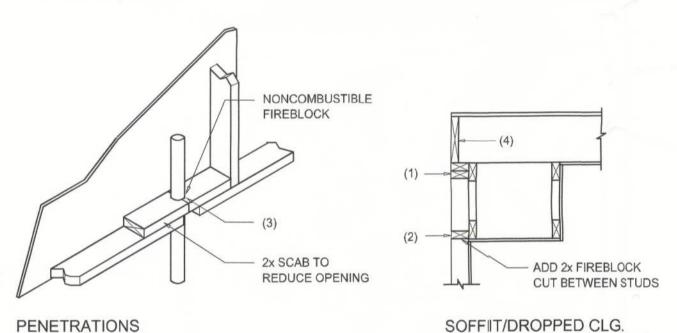
REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/ JOINT REINFORCEMENT AND FASTENERS.

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

"SEMCO" PRODUCT APPROVAL:

MIAMI/DADE COUNTY REPORT #95-0818.15

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



## FIREBLOCKING NOTES:

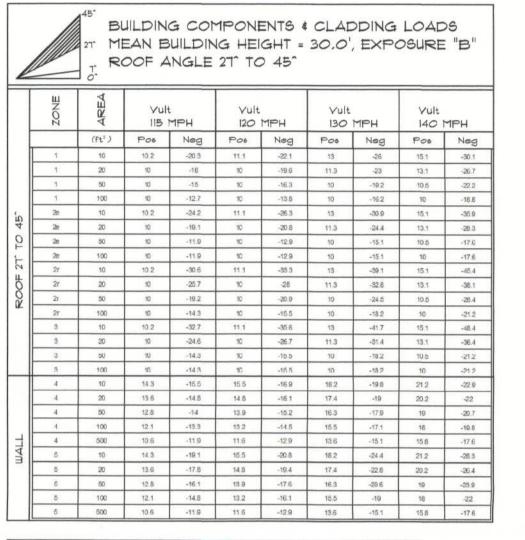
FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

- 1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRIED SPACES AT CEILING AND FLOOR LEVELS.
- 2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
- 3. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT"
- 4. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTIH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

## Fire Stopping DETAILS

SCALE: NONE





FOR BUILT	DING COMPO	NENTS & CLAD	DING
BLDG HEIGHT (ft)	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE
15	.82	1.21	1.47
20	.89	1.29	1.55
25	.94	1.35	1.61
30	1.00	1.40	1.66

1		BI 2T MI FO	EAN E		IG HE	ENTS 4 IGHT = 0 45^				
	ZONE	AREA	Yul- 115	t MPH	Vult	MPH	Vult 130	MPH	Vult 140	MPH
[		(ft²)	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Nec
	1, 2e	10	10.6	-26.4	11.6	-28.7	13.6	-33.7	15.8	-39.1
77	1, 2e	20	10	-26.4	10	-28.7	11.7	-33.7	13.6	-39.1
0	1, 2e	50	10	-16.1	10	-17.5	10	-20.6	10.8	-23.8
- 1	1, 2e	100	10	-8.2	10	-9	10	-10.5	10	-122
-	2n, 2r, 3e	10	10.6	-38.5	11.6	41.9	13.6	49.2	15.8	-57
9	2n, 2r, 3a	20	10	-33.2	10	-36.2	11.7	-42.4	13.6	-49.2
ROOF	2n, 2r, 3e	50	10	-26.2	10	-28.5	10	-33.5	10.8	-38.8
W.	2n, 2r, 3e	100	10	-20.9	10	-22.8	10	-26.7	10	-31
	3r	10	10.6	-45.7	11.6	49.8	13.6	-58.4	15.8	-67.8
	3r	20	10	-39.2	10	-42.7	11.7	-50.1	13.6	-58.1
	3r	50	10	-30.5	10	-33.2	10	-39	10.8	-452
	3r	100	10	-24	10	-26.1	10	-30.6	10	-35.5

### General Roofing NOTES:

ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER. PER R905, DOUBLE UNDERLAYMENT IS REQUIRED ON ROOF SOPES LESS THAN THAN 4/12.

### 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 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.

ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE. WHERE ROOFS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 3161 OR M-DC PA 107-95.

### UNDERLAYMENT APPLICATION:

FOR ROOF SLOPES FROM 2:12 TO 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF 2 LAYERS APPLIED AS FOLLOWS: 1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

### 2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

FOR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF 1 LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS: STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

## BASE AND CAP FLASHINGS:

BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFGR'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE 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 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN FBC TABLE 1507.3.9.2. 2. FOR OPEN VALLEYS, VALLEY LINING OF TWO PLIES OF MINERAL SURFACE

ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE. 3. 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.

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

SOFTPLAN

П 4

SH

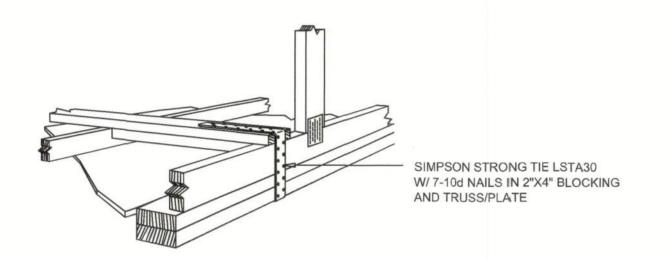
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JOB NUMBER 20250115

SHEET NUMBER

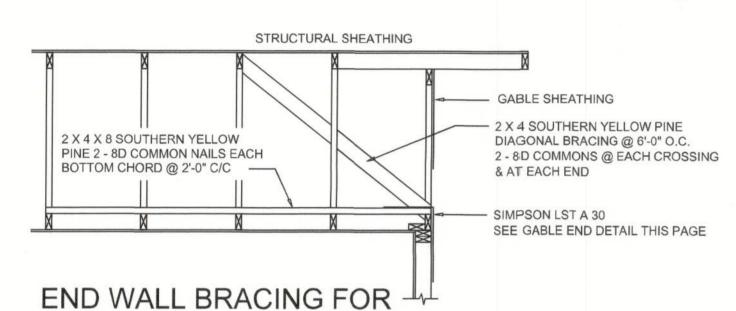
OF 4 SHEETS





**CEILING DIAPHRAGM** 

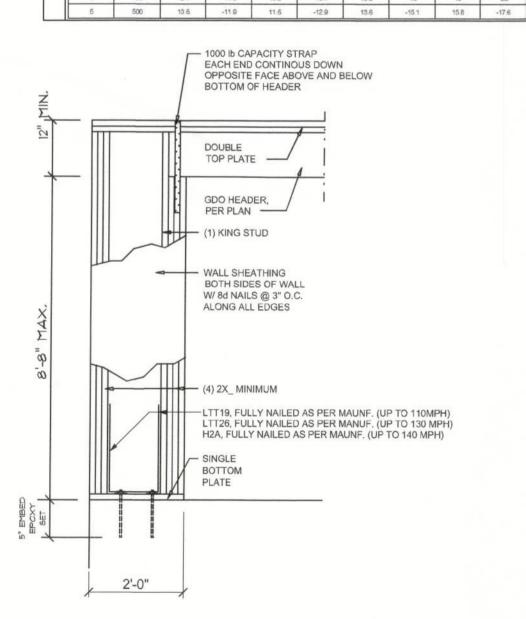
SCALE: NONE



(ALTERNATIVE TO BALLOON FRAMING)

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

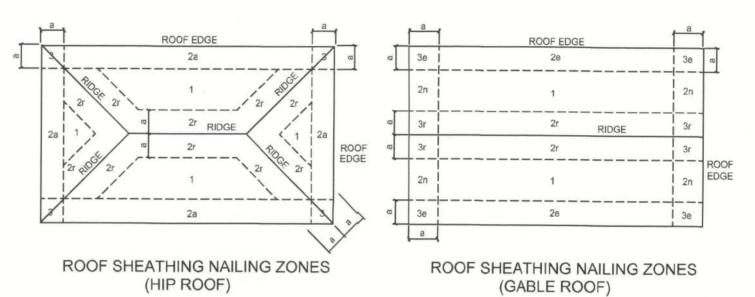
1		2T M		UILDIN	IG HE	GHT =		DDING , EXP		
T	ZONE	AREA	Yult 115	MPH	Yult 120	мен	Yult 130	мен	Yult 140	MPH
		(ft²)	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
	1	10	10.2	-20.3	11.1	-22.1	13	-26	15.1	-30.1
	1	20	10	-18	10	-19.6	11.3	-23	13.1	-26.7
	1	50	10	-15	10	-16.3	10	-19.2	10.5	-22.2
	1	100	10	-12.7	10	-13.8	10	-16.2	10	-18.8
45,	2e	10	10.2	-24.2	11.1	-26.3	13	-30.9	15.1	-35.9
1	2e	20	10	-19.1	10	-20.8	11.3	-24.4	13.1	-28.3
2	2e	50	10	-11.9	10	-12.9	10	-15.1	10.5	-17.6
77	202	100	10	-11.9	10	-12.9	10	-15.1	10	-17.6
- 11	2r	10	10.2	-30.6	11.1	-33.3	13	-39.1	15.1	-45.4
ROOF	21	20	10	-25.7	10	-28	11.3	-32.8	13.1	-38.1
8 IF	21	50	10	-19.2	10	-20.9	10	-24.5	10.5	-28.4
	2r	100	10	-14.3	10	-15.5	10	-18.2	10	-21.2
	3	10	10.2	-32.7	11.1	-35.6	13	-41.7	15.1	-48.4
	3	20	10	-24.6	10	-26.7	11.3	-31.4	13.1	-36.4
	3	50	10	-14.3	10	-15.5	10	-18.2	10.5	-21.2
	3	100	10	-143	10	-15.5	10	-18.2	10	-21.2
	4	10	14.3	-15.5	15.5	-16.9	18.2	-19.8	21.2	-22.9
	4	20	13.6	-14.8	14.8	-16.1	17.4	-19	20.2	-22
	4	50	12.8	-14	13.9	-15.2	16.3	-17.9	19	-20.7
	4	100	12.1	-13.3	13.2	-14.5	15.5	-17.1	18	-19.8
<b>∃</b>  [	4	500	10.6	-11.9	11.6	-12.9	13.6	-15.1	15.8	-17.6
MALL	5	10	14.3	-19.1	15.5	-20.8	18.2	-24.4	21.2	-28.3
_ [[	5	20	13.6	-17.8	14.8	-19.4	17.4	-22.8	20.2	-26.4
	5	50	12.8	-16.1	13.9	-17.6	16.3	-20.6	19	-23.9
	5	100	12.1	-14.8	13.2	-16:1	15.5	-19	18	-22
10		100000	7.7.7.7.7	27.57.27						



Garage End Wall DETAIL G SCALE: NTS

F	ROOF SHEATH	HING FASTE	NINGS
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1			6 in. o.c. EDGE 6 in. o.c. FIELD
2	7/16 " O.S.B. OR 19/32 CDX	10d RING	4 in. o.c. EDGE 6 in. o.c. FIELD
3	PLYWOOD	SHANK NAILS	4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD

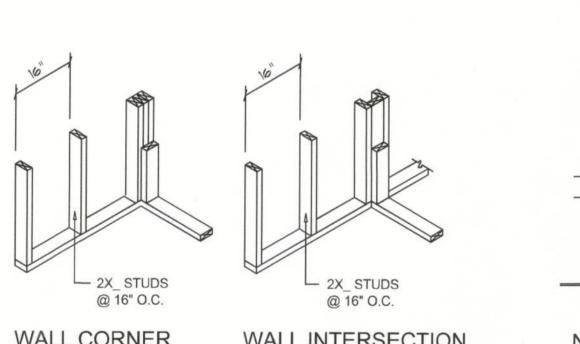
		NENTS & CLAD	21110
BLDG HEIGHT (ft)	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
5	.82	1.21	1.47
20	.89	1.29	1.55
25	.94	1,35	1.61
30	1.00	1.40	1.66



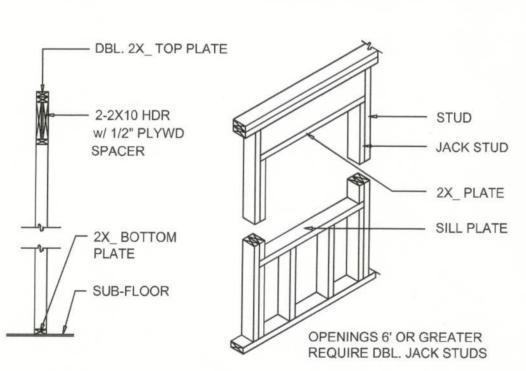
## Roof Nail Pattern DET.

SCALE: NONE

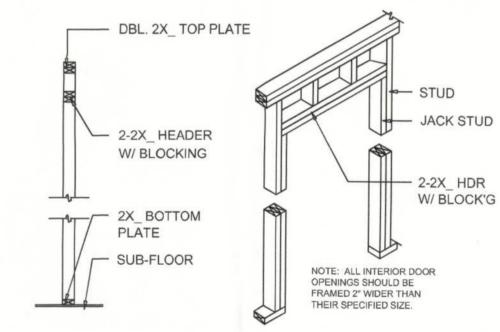
			В	UILDING V	WIDTH (FT)		
HEADERS	HEADER SIZE	20'		28'		36'	
SUPPORTING:		SPAN	# JACKS	SPAN	# JACKS	SPAN	# JACKS
	2-2x4	3'-6"	1	3'-2"	1	2'-10"	1
ROOF, CEILING	2-2x6	5'-5"	1	4'-8"	1	4'-2"	1
	2-2x8	6'-10"	1	5'-11"	2	5'-4"	1
	2-2x10	8'-5"	2	7'-3"	2	6'-6"	2
	2-2x12	9'-9"	2	8'-5"	2	7'-6"	2
	3-2x8	8'-4"	1	7'-5"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



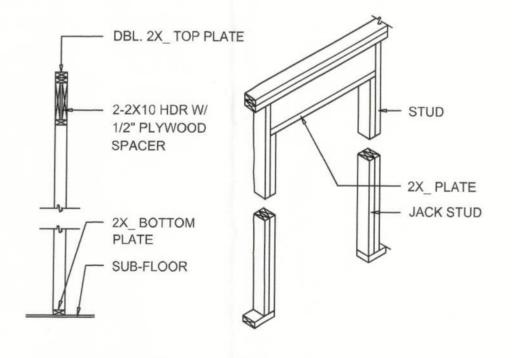
WALL CORNER WALL INTERSECTION



TYPICAL WINDOW HEADER



NON-BEARING WALL HEADER

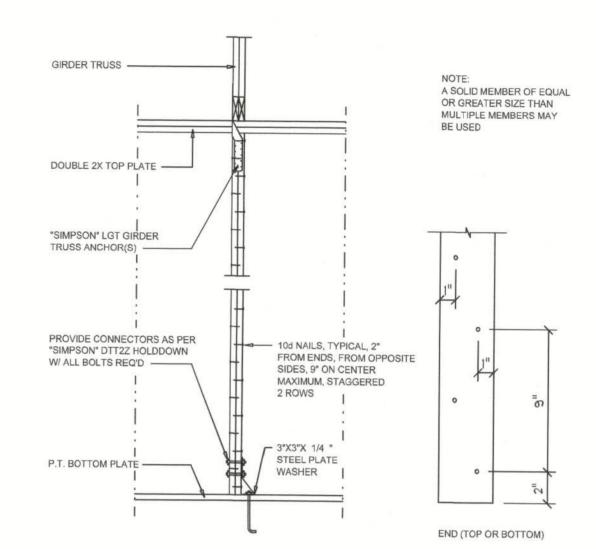


BEARING WALL HEADER

# Wall Framing/Header DETAILS

SCALE: NONE





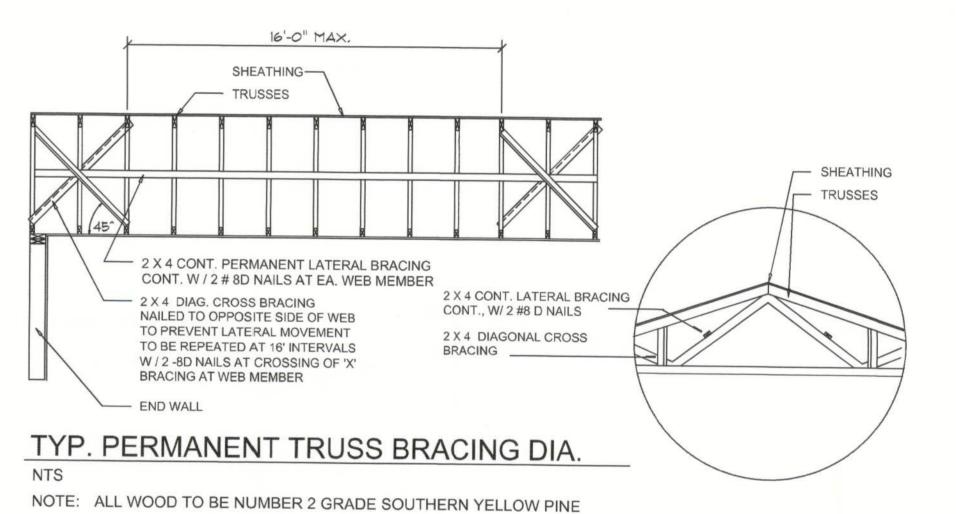
"WindSTORM" ALT. SHEATHING METHOD: ALTERNATIVE METHOD FOR ANCHORING THE TOP WALL PLATE TO THE FOUNDATION IN LIEU OF THE SP1/SP2 OR SP4 STRAPS INDICATED IN THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT SHALL ALLOWED AS FOLLOWS:

APPLY VERTICALLY, "WindSTORM" 7/16" OSB 48" X 97", 109", 121" OR 145" SHEATHING. FASTEN TO THE TOP PLATE AND THE SILL PLATE WITH EITHER 6d COMMONS @ 3" O.C. OR 8d COMMONS @ 6" O.C., FASTEN TO EACH STUD WITH EITHER 6d COMMONS @ 6" O.C. OR 8d COMMONS @ 8" O.C.

Alternate 'Titan' bolt concrete anchor system EANCHOR SILL PLATE WITH 5/8" TITAN ANCHOR BOLT, PLACED AT 40" O.C. AROUND PERIMETER OF SLAB AND ALL INTERIOR BEARING WALLS. (MIN. 4" EMBED)

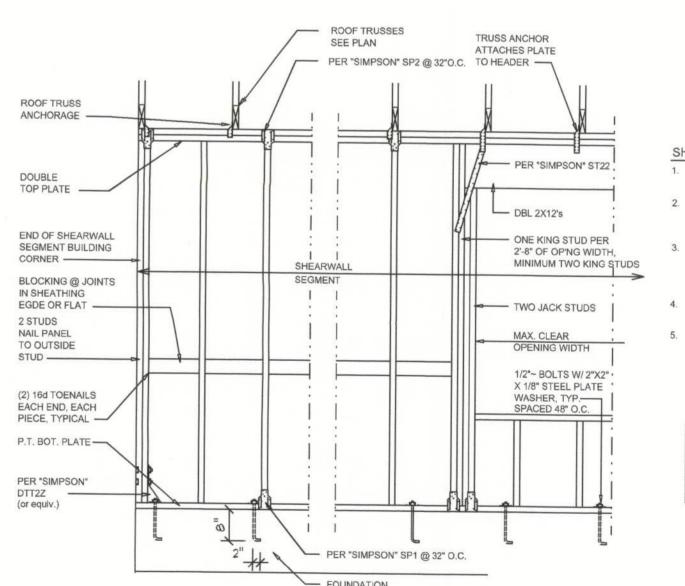
## Girder Truss Column DET.

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



# Truss Bracing DETAILS

SCALE: AS NOTED



SHEARWALL	NOTES:

- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-97 SBBCI 305.4.3.
- 2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16 " O.S.B. INCLUDING AREAS ABOVE AND BELOW ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT
- PANELS OCCURING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING. 4. NAIL SPACING SHALL BE 4" O.C. EDGES AND
- 8" O.C. IN THE FIELD. 5. TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE

FOR 8'-0" WALLS (2'	-3 ).	

OPENING WIDTH	SILL PLATES	16d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
> 6' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3

Shear Wall DETAILS

SCALE: NONE

E

JOB NUMBER 20250115

> SHEET NUMBER OF 4 SHEETS

SHE

DETAIL SCALE:

U