A CUSTOM HOME FOR:

# JONES / FREEMAN RESIDENCE

## PROJECT ADDRESS:

587 Pirnehurst Drive Lake City/, Florida 32055



### SHEET INDEX

- FRONT & REAR ELEVATIONS
- LEFT & RIGHT ELEVATIONS
- DIMENSIONED FLOOR PLANS
- ELECTRICAL PLANS
- FOUNDATION PLAN, DETAILS & NOTES
- ROOF PLAN. DETAILS & NOTES WINDLOAD INFO. NOTES & DETAIL.
- FRAMING DETAILS & NOTES

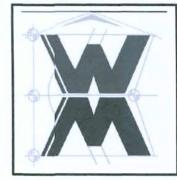
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LIVING AREA	2,900	S.F.
GARAGE AREA	627	S.F.
COVERED PORCH AREA	360	S.F.
ENTRY PORCH AREA	251	S.F.
TOTAL AREA	4,138	S.F.

SOFTPLAN

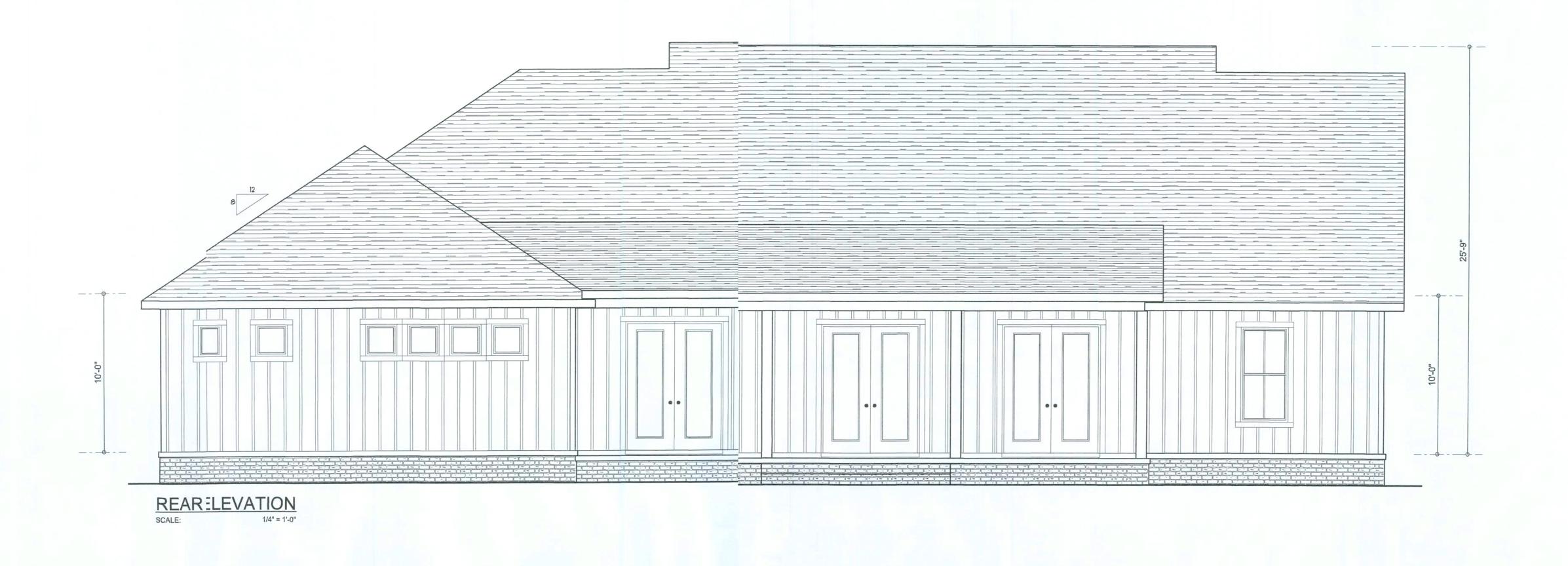
CONSTRUCTION, INC FREEMAN SPARKS

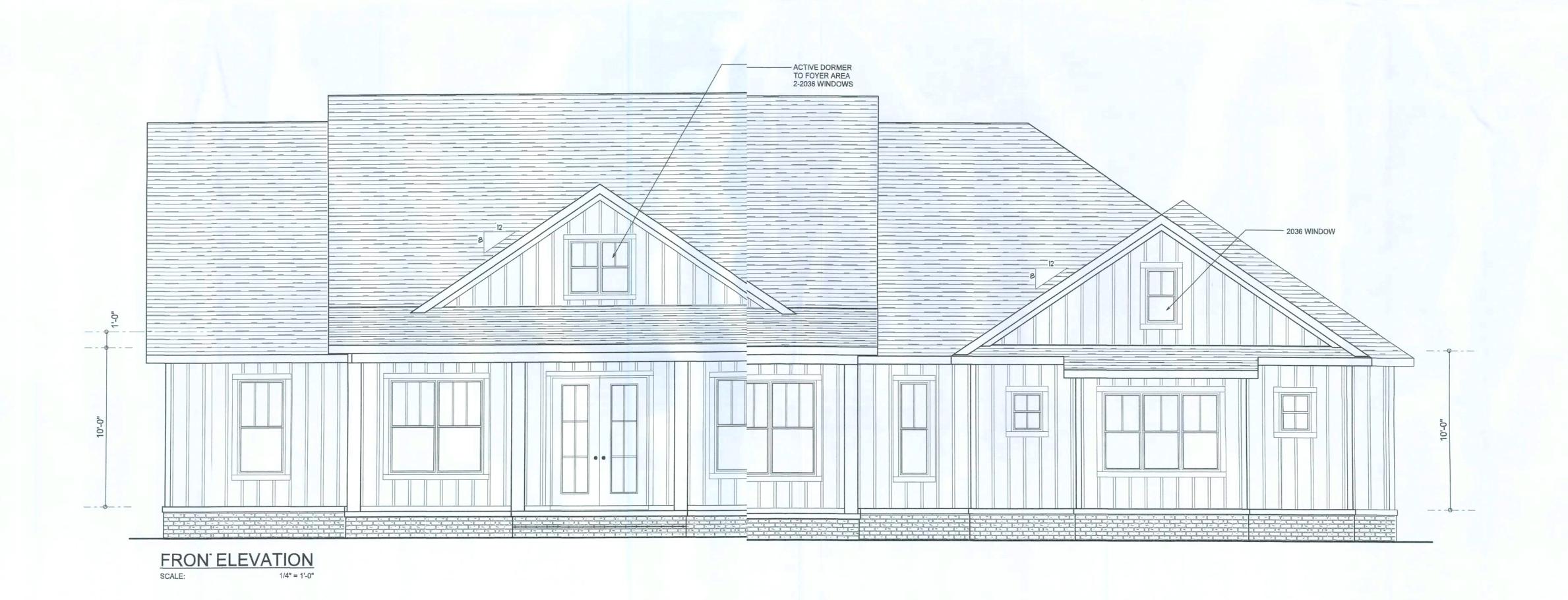
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426 SW (OMMERCE DR. STE 130
LA(E CITY, FL 32025 (336) 758-8406 vill@willmyers.net



J0B NUMBER 20210322

SHEET NUMBER COVER





FRONT & REAR ELEVATIONS SCALE:

SO-TPU AN ARCHITETURAL DESIGN SOFTWARE

A NEW CUSTOM HOME FOR:

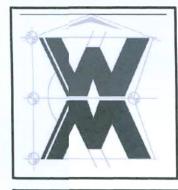
JONES / FREEMAN

PROJECT ADDRESS: 587 Pinehurst Drive, Lake City, Florida 32055

SPARKS CONSTRUCTION, INC.

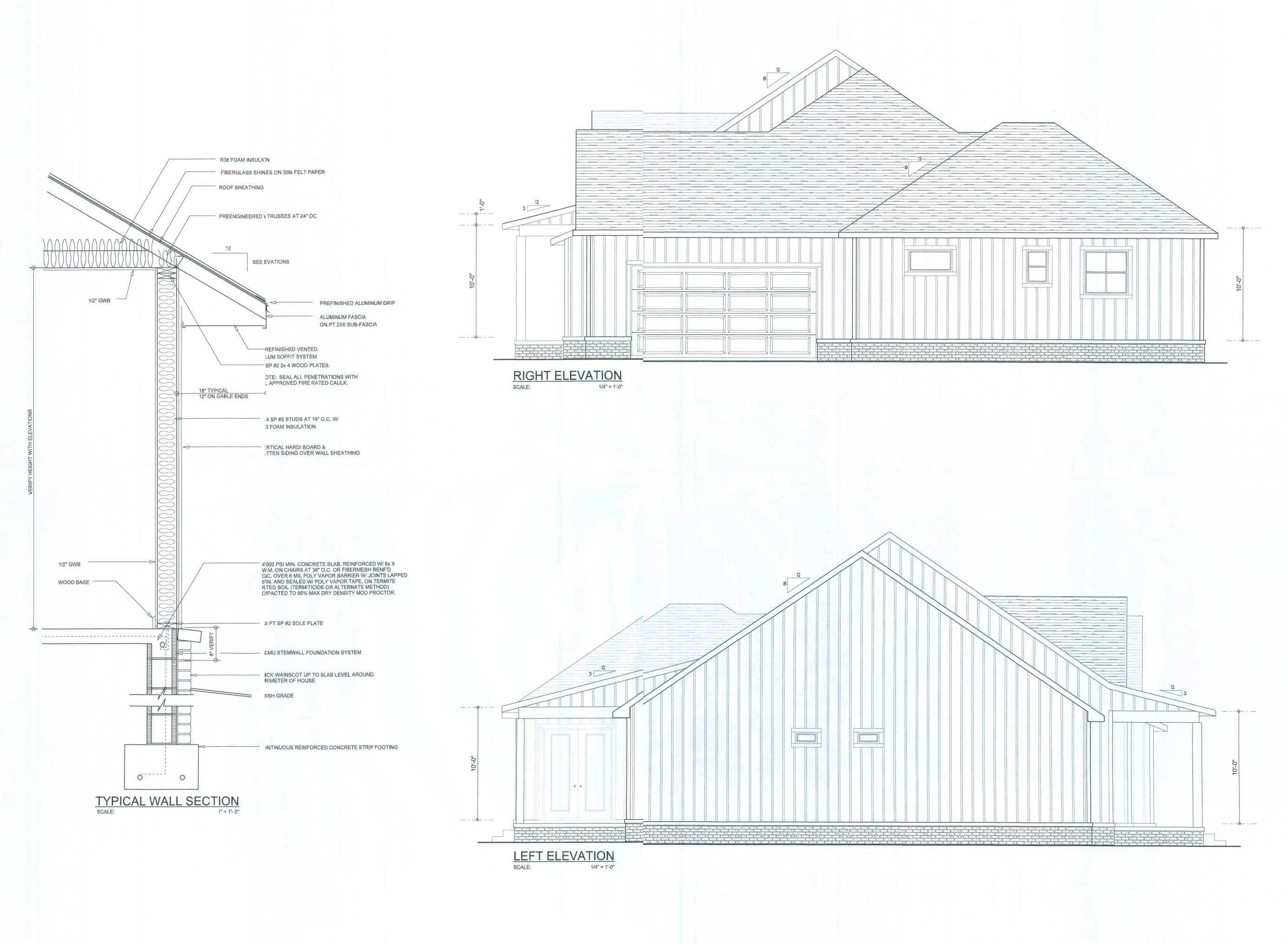
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LAKESITY, FL 32025
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JOENUMBER 20210322

SHEET NUMBER



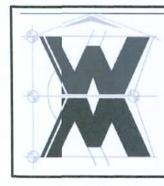
SCFTPIXN

ELEVATIONS 1/4" = 1'-0"

RIGHT TYPICAL <u>ං</u>ර

ONSTRUCTION FREEMAN A NEW CUSTOM HC
JONES
PROJECT ADDRESS: 8

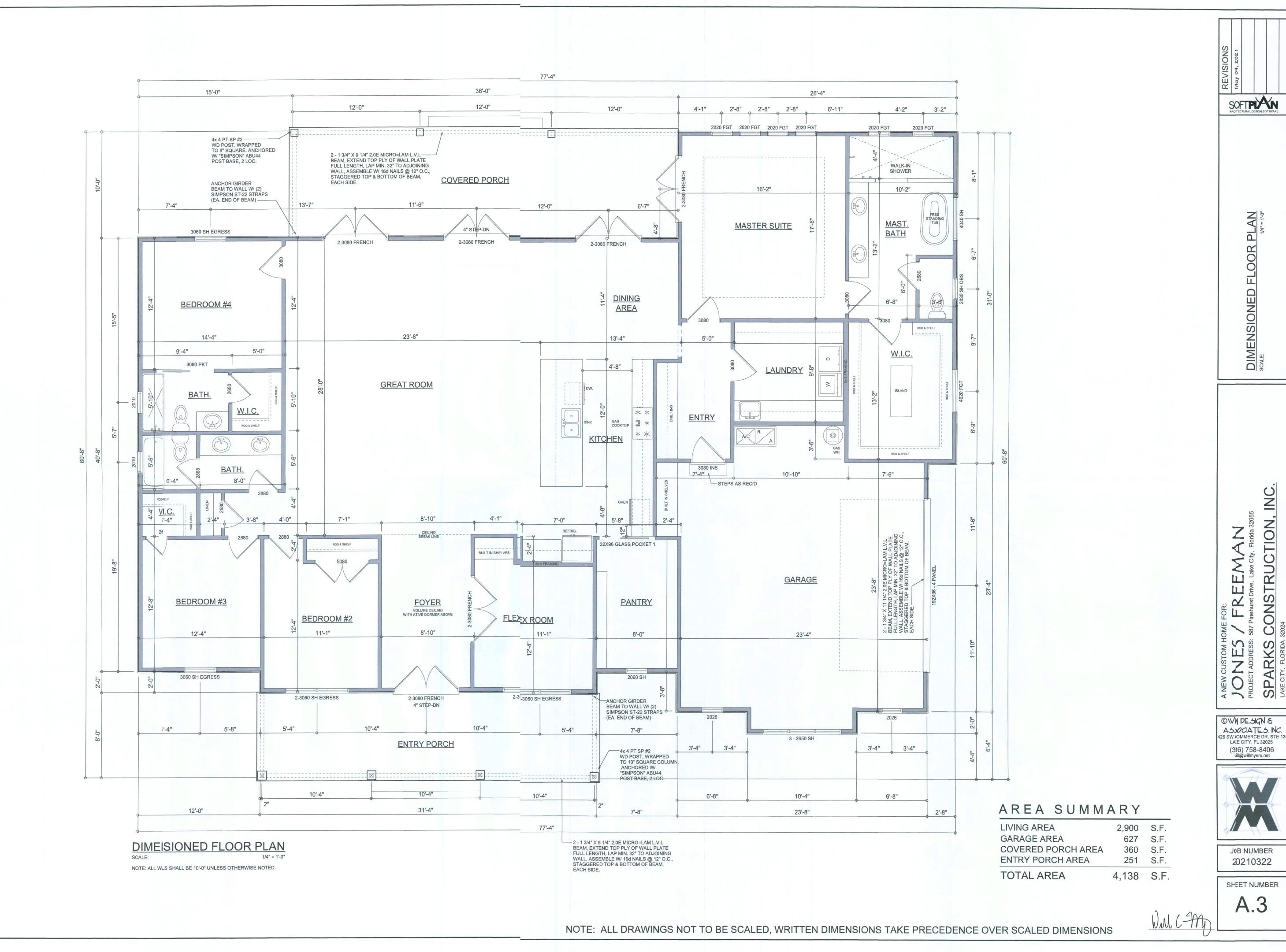
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JO3 NUMBER 20210322

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



ONSTRUCTION

SPARKS

	ELECTRICAL LEGEND
	CEILING FAN (PRE-WIRE FOR LIGHT KIT)
QD	DOUBLE SECURITY LIGHT
0	RECESSED CAN LIGHT
₩	BATH EXHAUST FAN
	LIGHT FIXTURE
Ф	DUPLEX OUTLET (AFCI & TAMPER RESISTANT)
<b>#</b>	220v OUTLET
Вая	GFI DUPLEX OUTLET (PER NEC 406.8)
TV †	TELEVISION JACK
	CIRCUIT FOR MINI-SPLIT A/C UNIT
•	SMOKE / CARBON MONOXIDE DETECTOR (see note below
\$	WALL SWITCH
\$3	3 WAY WALL SWITCH
₩P/GFI	WATER PROOF GFI OUTLET
48" FLOUR.	2 OR 4 TUB FLUORESCENT FIXTURE

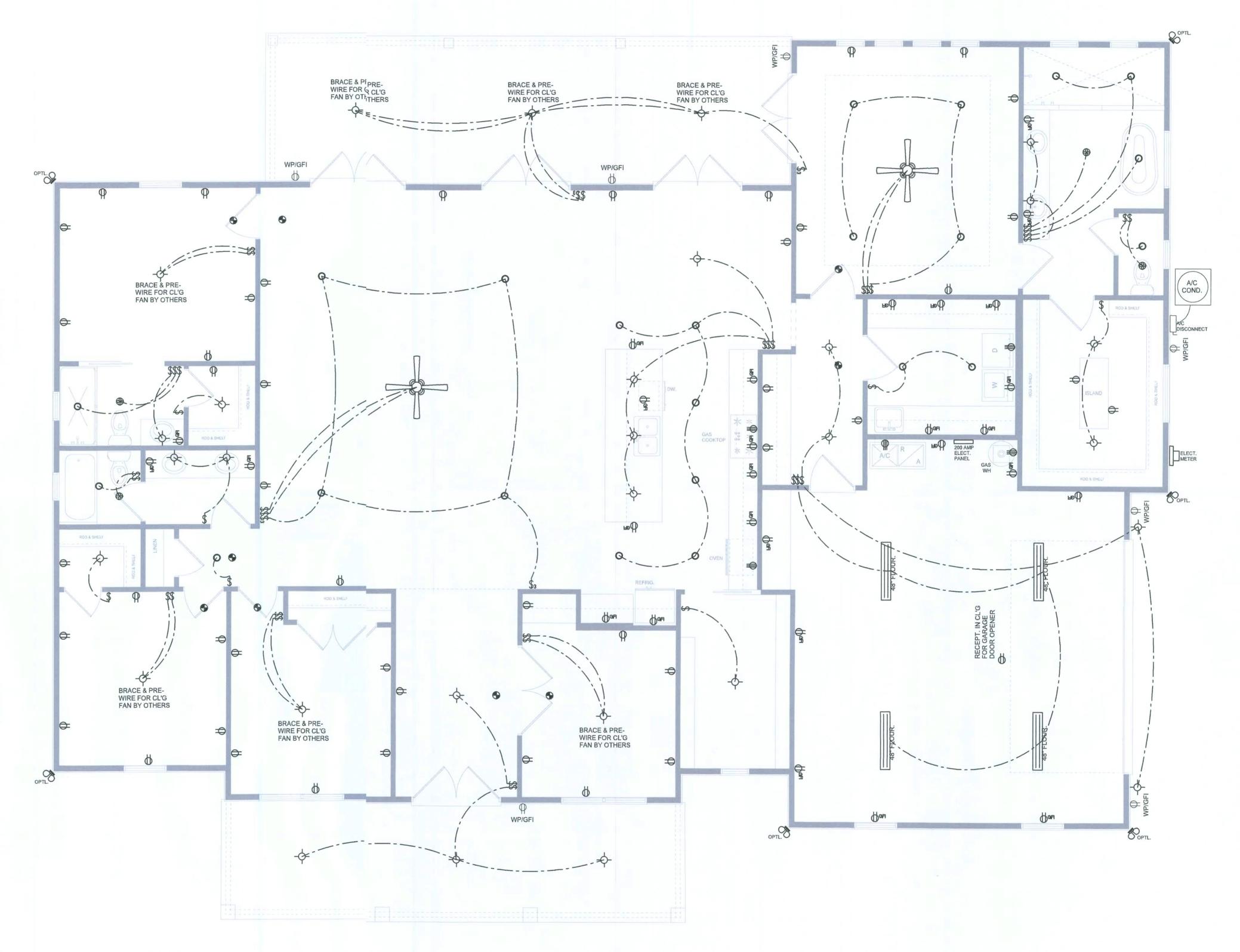
NOTE: ALL INTERIOR RECEPTACLES SHALL BE AFCI (ARC FAULT CIRCUIT INTERRUPT) PER NEC 210.12 & TAMPER RESISTANT PER NEC 406.11

ALL INTERIOR & EXTERIOR LIGHTING SHALL MEET OR EXCEED THE MIN. 75% HH-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 ALE WATER 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 DISCONNECTEANS. CONDUCTORS USED FROM THE EXTERIOR DISCONNECTING MEANS TO A PAN 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 AT ALL WORK PERFORMED AND EQUIPMENT INSTALLED MEETS OR EXCEEDS THE 20 (NFPA-70) NATIONAL ELECTRIC CODE AND ALL OTHER LOCAL CODES AND ORDINANCES.



**ELECTRICAL PLAN** 

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

SOFTPIAN ARCHITECTURL DESIGN SOFTWARE

RUCTION, INC Ш ONS SPARKS

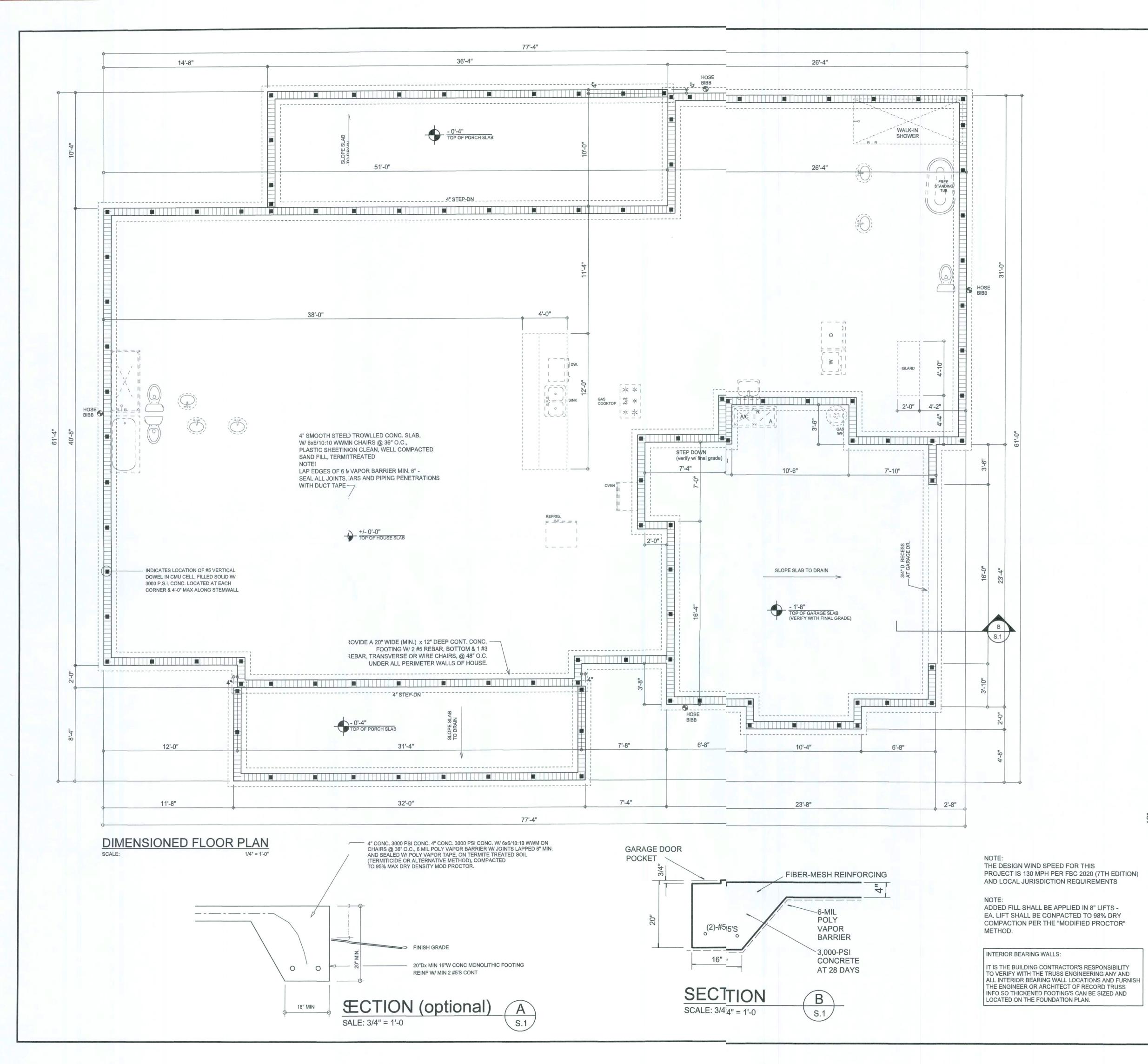
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A NEW
PROJEC



JOB NJMBER 202.0322

SHEETNUMBER A.4



#### CONCRETE / MASONRY / **METALS GENERAL NOTES:**

- DESIGN SOIL BEARING PRESSURE: 1000 PSF.
- 2. EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PREFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- 3. CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS. BOTH SUB-SOIL AND FILL COMPAC-TION 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 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.
- 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 PLACE-MENT. 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.
- 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.

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 4.0 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.

4" THK. 3,000 PSI CONCRETE SLAB W/ 6x6/10:10 WWM ON CHAIRS @ 36" O.C., OVER 6 MIL POLY VAPOR BARRIER OVER TREATED, CLEAN COMPACTED FILL -#5 ELLS X 18" X 18" @ 48" O.C. MAX. - 8" CMU BOND BEAM W/#5 BAR CONT/25" MIN. LAP #5 DOWELS @ 48" O.C. MAX. #3 BARS HORIZ. OR CHAIRS @ 48" O.C. -3,000 PSI CONCRETE FOOTING (2) #5 BARS

**SECTION** 

SCALE: 3/4" = 1'-0

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.

CONTINUOUS

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 - CONT'R SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.





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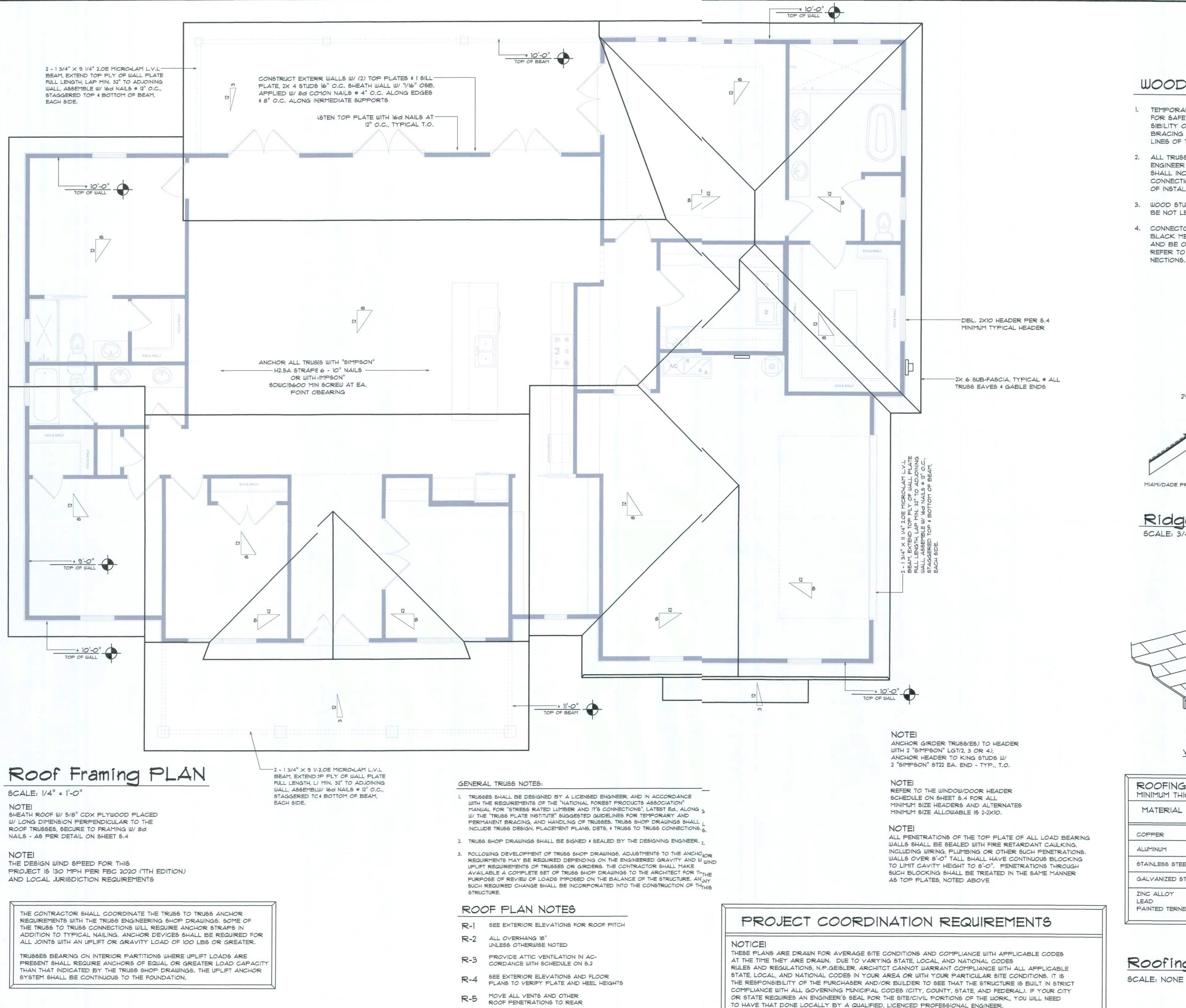
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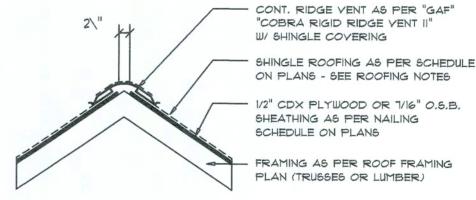
OF4 SHEETS



#### WOOD STRUCTURAL NOTES

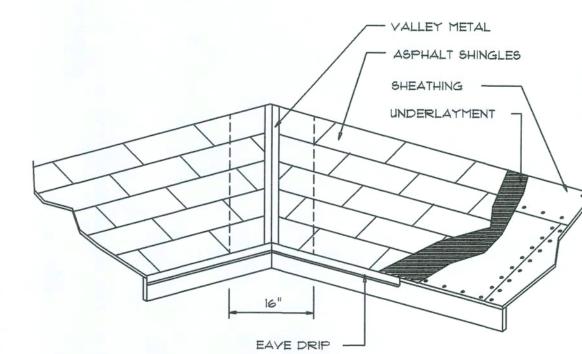
- 1. TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPON-SIBILITY OF THE CONTRACTOR SO ENGAGED, TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDE-LINES OF THE "TRUSS PLATE INSTITUTE",
- ENGINEER & SHALL BE SIGNED AND SEALED BY SAME, TRUSS DESIGN SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE "TRUSS PLATE INSTITUTE",
- 3. WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN Nr.2 HEM-FIR OR BETTER.
- 4. CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED METAL OR BLACK METAL AS MANUFACTURED OR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CON-

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



MIAMI/DADE PRODUCT APPROVAL REPORT: \*98-0713.05

## Ridge Vent DETAIL



VALLEY FLASHING

ROOFING METALS for FLASHING/ROOFING MINIMUM THICKNESS REQUIREMENTS					
MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGH		
COPPER			16		
ALUMINUM	0.024		-		
STAINLESS STEEL		28			
GALVANIZED STEEL	er10.0	26 (ZINC COATED G90)			
ZINC ALLOY LEAD PAINTED TERNE	0.027		40 20		

Roofing/Flashing DETS.



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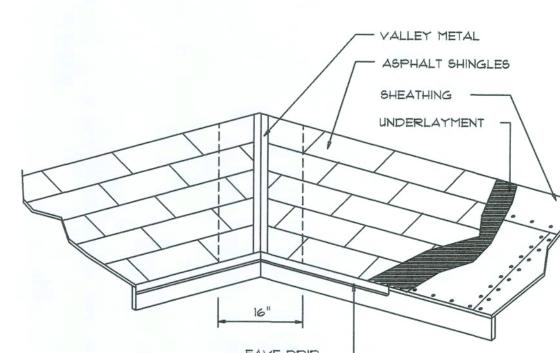
**JOB NUMBER** 20210322

SHEET NUMBER

OF 4 SHEETS

- 2. ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL
- NECTIONS.

		1600 SF 1900 SF 2200 SF 2500 SF 2800 SF 3100 SF 3600 SF	20 LF 24 LF 28 LF 32 LF 36 LF 40 LF 44 LF	410 SQ.IN. 490 SQ.IN 570 SQ.IN 650 SQ.IN 130 SQ.IN 820 SQ.IN 900 SQ.IN
2\" #		CONT. RIDG	E VENT AS P	ER "GAF"
	/	CHINELEBO	OFINE AS DE	n commen



	TALS FOR FLAS	1111(3)(00)	
MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT
COPPER			16
ALUMINUM	0.024		11
STAINLESS STEEL		28	
GALVANIZED STEEL	er10.0	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.027		40 20

SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LAIST EDITION

BASED ON ANSI/ASCE 7-10. 2020 FBC 1609-A WIND YELOCITY: Yu = 130 MPH

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

..... 40 PSF

..... 60 PSF

#### **TERMITE PROTECTION NOTES:**

#### SOIL CHEMICAL BARRIER METHOD:

AT TIME OF PERMIT.

ROOF DESIGN LOADS:

4. FLOOR DESIGN LOADS:

SUPERIMPOSED LIVE LOADS:

RESIDENTIAL

BALCONIES

SUPERIMPOSED DEAD LOADS: . . . . . . 20 PSF

SUPERIMPOSED LIVE LOADS: . . . . . . 20 PSF

SUPERIMPOSED DEAD LOADS: . . . . . . 25 PSF

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDI 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"

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

THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6

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 PERIMETEF 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 TREATMEN1 FBC 1816.1.7

13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPAI-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 PREVENTIC OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH TH RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CON UMER SERVICES". FBC 1816.1.7

14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMO'D FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAING

15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BILED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

#### FRAMING ANCHOR SCHEDULE

MANUF'R/MODEL APPLICATION SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - - 10d NAILS TRUSS TO WALL: 960# SIMPSON LGT, W/ 28 - 16d NAILS GIRDER TRUSS TO POST/HEADER: 1785# HEADER TO KING STUD(S): SIMPSON ST22 1370# PLATE TO STUD: SIMPSON SP2 1065# SIMPSON SP1 STUD TO SILL: 585# SIMPSON PC44/EPC44 PORCH BEAM TO POST: 1700# PORCH POST TO FND.: SIMPSON ABU44 2200# SIMPSON A34 MISC. JOINTS 315#/240#

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

REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/

JOINT REINFORCEMENT AND FASTENERS.

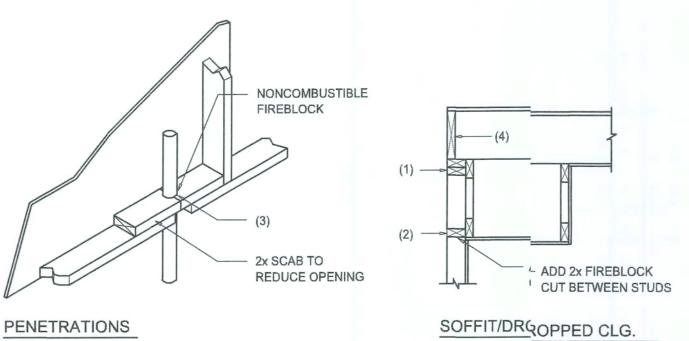
ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON A34 FRAMING ANCHORS, TYPICAL T.O.

"SEMCO" PRODUCT APPROVAL:

MIAMI/DADE COUNTY REPORT #95-0818.15

"SIMPSON" PRODUCT APPROVALS:

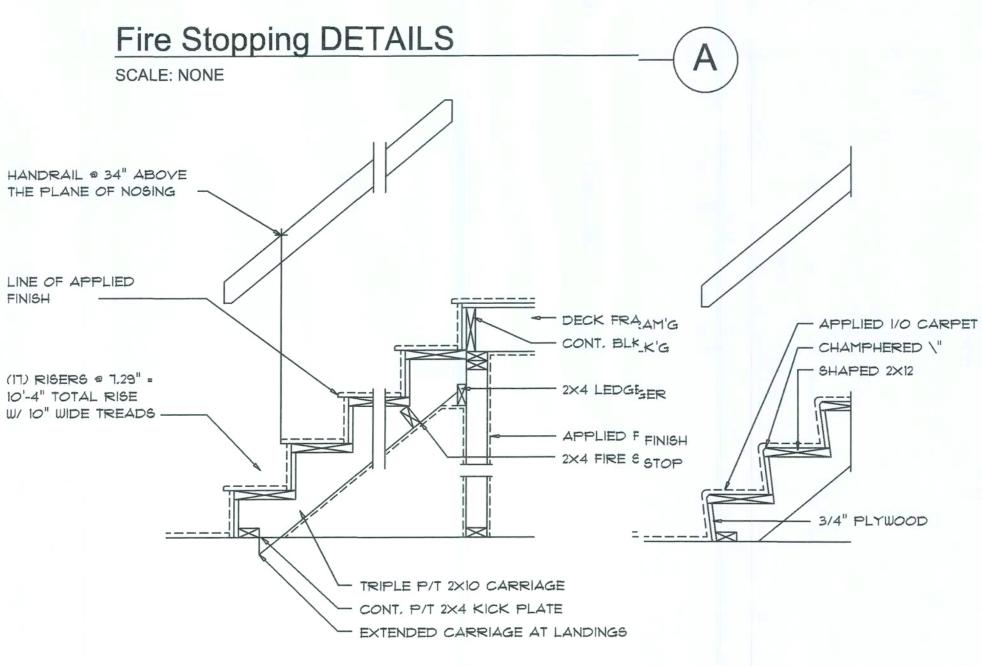
MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04 SBCC1 NER-443, NER-393

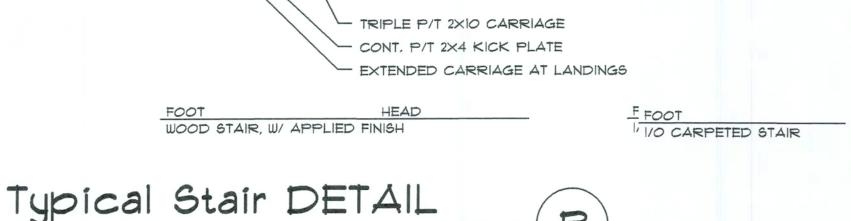


#### FIREBLOCKING NOTES:

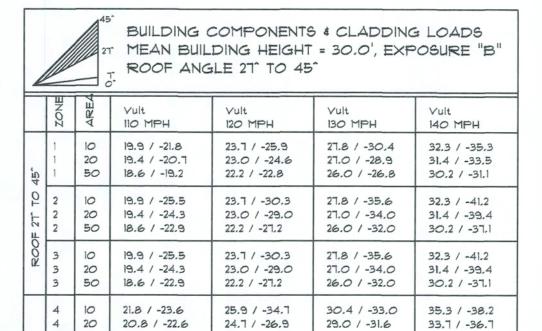
FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

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





B



	EXPOSURE AT		
BLDG HEIGHT	EXPOSURE "B"	EXPOSURE	EXPOSURE
15	1.00	1.21	1.47
20	1.00	1.29	1.55
25	1.00	1.35	1.61
30	1.00	1.40	1.66

23.2 / -25.4

5 50 19.5 / -24.6 23.2 / -29.3 27.2 / -34.3

25.9 / -34.7

27.2 / -29.8

30.4 /-40.7

31.6 / -34.6

35.3 / -47.2

31.6 / -39.8

4 50 19.5 / -21.3

5 10 21.8 / -29.1

5 20 20.8 / -27.2 24.7 / -32.4

4	BUILDING COMPONENTS & CLADDING LOADS THEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" ROOF ANGLE T' TO 2T'						
	ZONE	AREA	Yult 110 MPH	Vult 120 MPH	Yult 130 MPH	Vult 140 MPH	
27	1 1 1	10 20 50	12.0 / -19.9 11.4 / -19.4 10.0 / -18.6	14.9 / -23.7 13.6 / -23.0 11.9 / -22.2	17.5 / -27.8 16.0 / -27.0 13.9 / -26.0	20.3 / -32.3 18.5 / -31.4 16.1 / -30.2	
T T0	2 2 2	10 20 50	12.5 / -34.7 11.4 / -31.9 10.0 / -28.2	14.9 / -41.3 13.6 / -38.0 11.9 / -33.6	17.5 / -48.4 16.0 / -44.6 13.9 / -39.4	20.3 / -56.2 18.5 / -51.7 16.1 / -45.7	
ROOF	3 3 3	10 20 50	12.5 / -51.3 11.4 /-47.9 10.0 / -43.5	14.9 / -61.0 13.6 / -57.1 11.9 / -51.8	17.5 / -71.6 16.0 / -67.0 13.9 / -60.8	20.3 / -83.1 18.5 / -77.7 16.1 / -70.5	
WALL	4 4 4	10 20 50	21.8 / -23.6 20.8 / -22.6 19.5 / -21.3	25.9 / -34.7 24.7 / -26.9 23.2 / -25.4	30.4 / -33.0 29.0 / -31.6 21.2 / -29.8	35.3 / -38.2 33.7 / -36.7 31.6 / -34.6	
Z,U	555	10 20 50	21.8 / -29.1 20.8 / -27.2 19.5 / -24.6	25.9 / -34.7 24.7 / -32.4 23.2 / -29.3	30.4 /-40.7 29.0 / -38.0 27.2 / -34.3	35.3 / -47.2 33.7 / -44.0 31.6 / -39.8	

		DJUSTMENT CO NENTS & CLAD	
BLDG HEIGHT	EXPOSURE "B"	EXPOSURE	EXPOSURE "D"
15 20 25 30	1.00 1.00 1.00 1.00	1.21 1.29 1.35 1.40	1.47 1.55 1.61 1.66

#### General Roofing NOTES:

DECK REQUIREMENTS:

ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

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

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 FORM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:

1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

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

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

BASE AND CAP FLASHINGS:

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

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

J E S 0

DrwF,

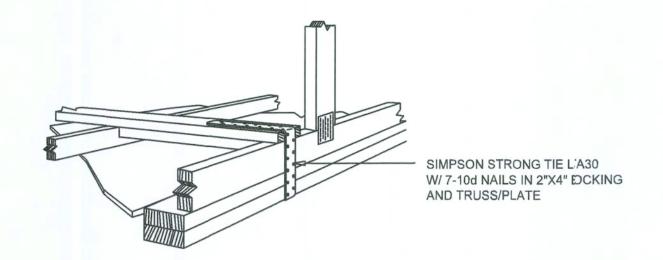
**JOBNUMBER** 20210322

SHEET NUMBER

OF & SHEETS

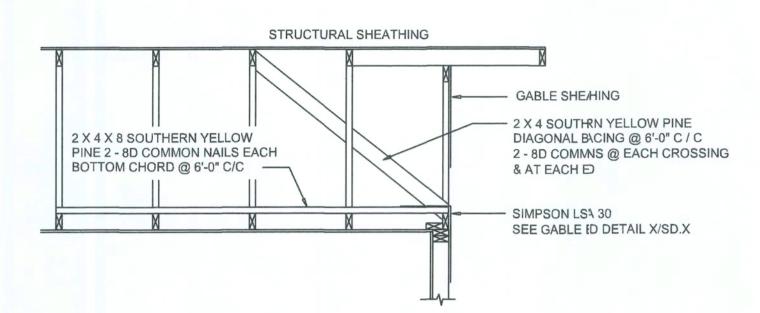
SOFTPLAN

V 8 O



#### GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE



#### END WALL BRACING FOR CEILING DIAPHRAGM

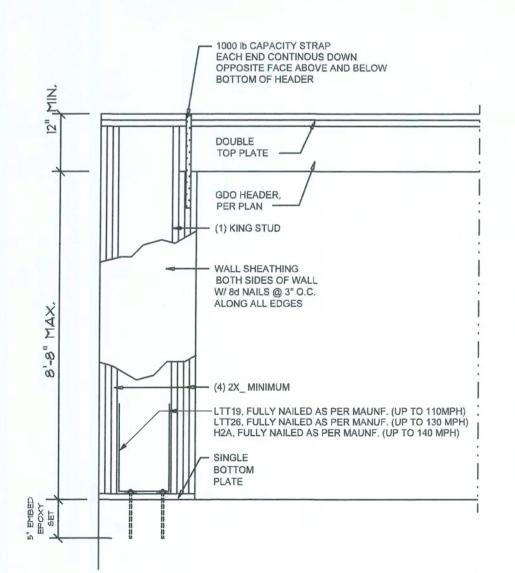
(ALTERNATIVE TO BALLOON FRAMING)

27.2 / -34.3

31.6 / -39.8

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

	1000			ENTS & CLADD GHT = 30.0', EX		
	ZONE	AREA	Vult 110 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MPH
	1 1 1	10 20 50	12.0 / -19.9 11.4 / -19.4 10.0 / -18.6	14.9 / -23.7 13.6 / -23.0 11.9 / -22.2	17.5 / -27.8 16.0 / -27.0 13.9 / -26.0	20.3 / -32.3 18.5 / -31.4 16.1 / -30.2
7^ TO 27^	2 2 2	10 20 50	12.5 / -34.7 11.4 / -31.9 10.0 / -28.2	14.9 / -41.3 13.6 / -38.0 11.9 / -33.6	17.5 / -48.4 16.0 / -44.6 13.9 / -39.4	20.3 / -56.2 18.5 / -51.7 16.1 / -45.7
ROOF	3 3 3	10 20 50	12.5 / -51.3 11.4 /-47.9 10.0 / -43.5	14.9 / -61.0 13.6 / -57.1 11.9 / -51.8	17.5 / -71.6 16.0 / -67.0 13.9 / -60.8	20.3 / -83.1 18.5 / -77.7 16.1 / -70.5
WALL	4 4 4	10 20 50	21.8 / -23.6 20.8 / -22.6 19.5 / -21.3	25.9 / -34.7 24.7 / -26.9 23.2 / -25.4	30.4 / -33.0 29.0 / -31.6 27.2 / -29.8	35.3 / -38.2 33.7 / -36.7 31.6 / -34.6
W	5	10	21.8 / -29.1	25.9 / -34.7	30.4 /-40.7	35.3 / -47.2 33.7 / -44.0

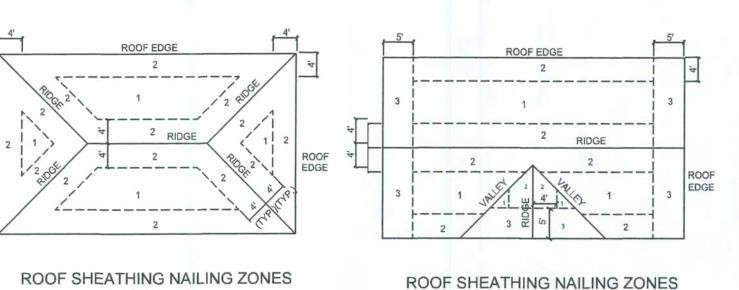


Garage End Wall DETAIL	
SCALE: NTS	$\neg ($

F	ROOF SHEATHING FASTENINGS					
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING			
1		ad COMMON OD	6 in. o.c. EDGE 12 in. o.c. FIELD			
2	7/16 " O.S.B. OR 15/32 CDX	8d COMMON OR 8d RING-SHANK GALVANIZED	6 in. o.c. EDGE 6 in. o.c. FIELD			
3	3	BOX NAILS	4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE			

FOR & BUIL	& EXPOSURE ADJUSTMENT COEFFICIENTS ILDING COMPONENTS & CLADDING				
BLDG HEIGHT <sub>-IT</sub>	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE		
15	1.00	1.21	1.47		
20	1.00	1.29	1.55		
25	1.00	1.35	1.61		
30	1.00	1.40	1.66		

(GABLE ROOF)

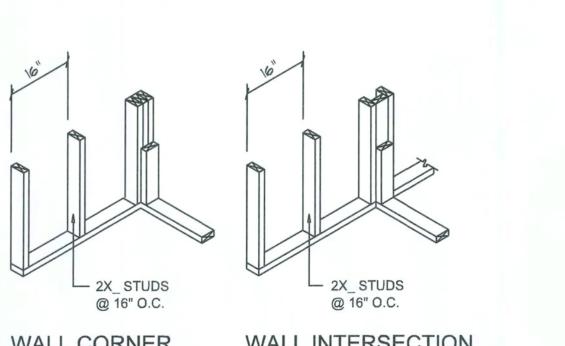


Roof Nail Pattern DET.

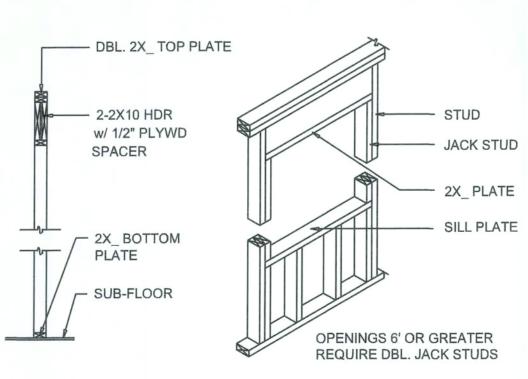
(HIP ROOF)

SCALE: NONE

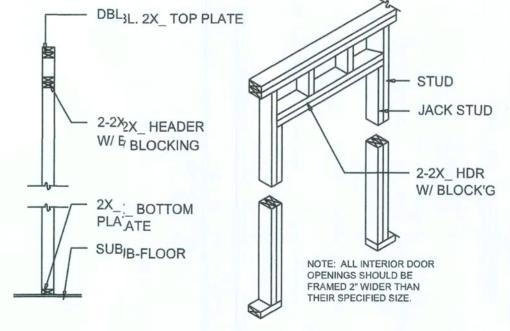
HEADER	SPANS FO	R EXTE	RIOR BE	ARIN <sub>NG</sub> (	WALLS		
	T	BUILDINING WIDTH (FT)					
HEADERS	HEADER SIZE	20'		28'		36'	
SUPPORTING:		SPAN	# JACKS	SPAAN	# JACKS	SPAN	# JACKS
	2-2x4	3'-6"	1	3'-3'-2"	1	2'-10"	1
	2-2x6	5'-5"	1	4'-8'-8"	1	4'-2"	1
ROOF, CEILING	2-2x8	6'-10"	1	5'-1'-11"	2	5'-4"	1
	2-2x10	8'-5"	2	7'-3'-3"	2	6'-6"	2
	2-2x12	9'-9"	2	8'-5-5"	2	7'-6"	2
	3-2x8	8'-4"	1	7'-5-5"	1	6'-8"	1
	3-2x10	10'-6"	1	9'-1'-1"	2	8'-2"	1
	3-2x12	12'-2"	2	10'-)'-7"	2	9'-5"	2
	4-2x8	9'-2"	1	8'-4_4"	1	9'-2"	1
	4-2x10	11'-8"	1	10'-6-6"	1	9'-5"	1
	4-2x12	14'-1"	1	12'-2'-2"	2	10'-11"	1



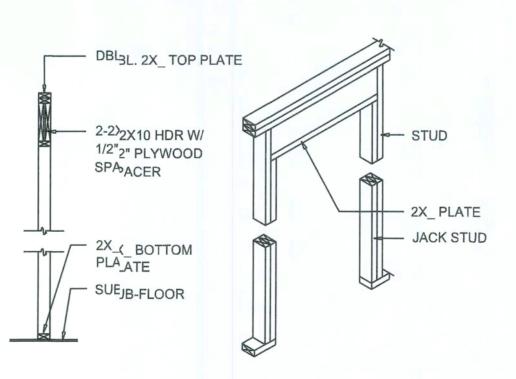
WALL CORNER WALL INTERSECTION



TYPICAL WINDOW HEADER



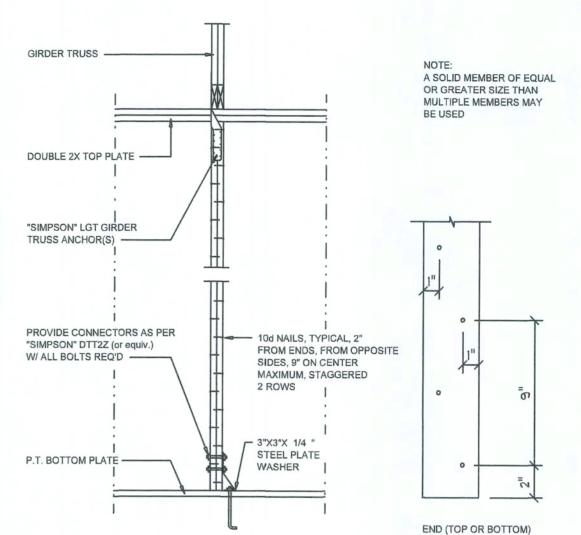
NON-BEAARING WALL HEADER



BEARING3 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:

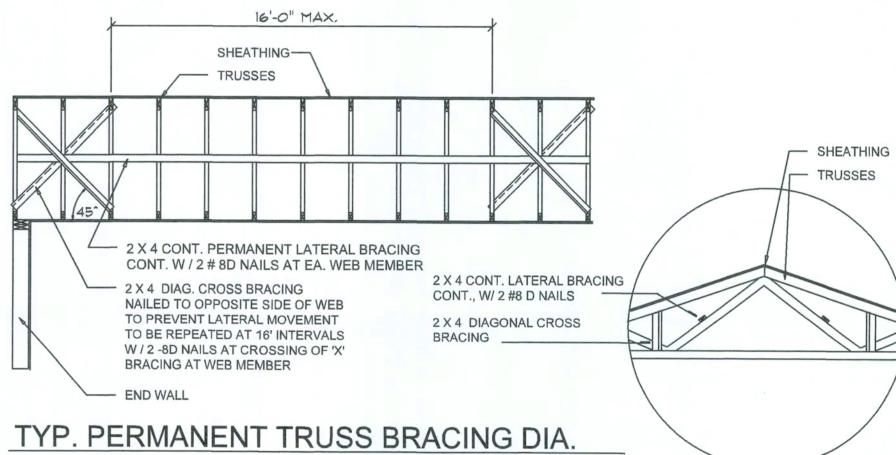
APPLY VERTICALLY, "WindSTORM" 7/16" OSB 48" X 97", 109", 121" OR 145" SHEATHING. FASTEN TO THE TOP PLATE AND THE SILL PLATE WITH EITHER 6d COMMONS @ 3" O.C. OR 8d COMMONS @ 4" O.C., FASTEN TO EACH STUD WITH EITHER 6d COMMONS @ 6" O.C. OR 8d COMMONS @ 8" O.C.

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.

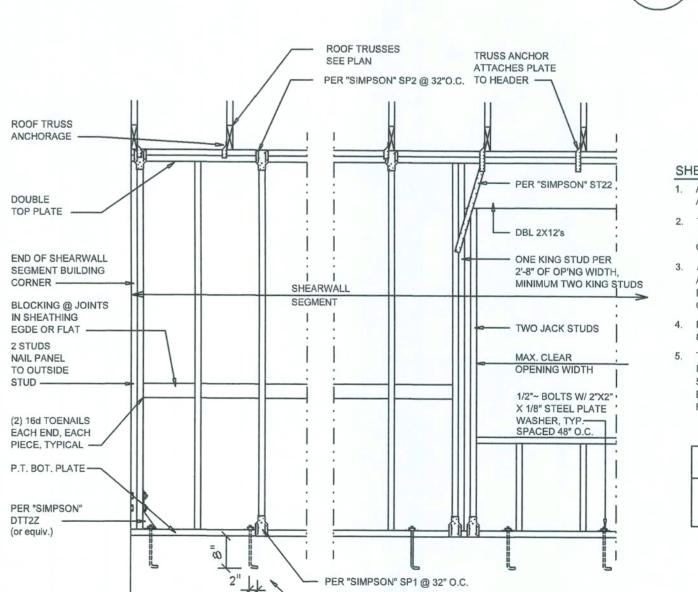
SCALE: 1/2" = 1'-0"

SCALE: AS NOTED



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

Truss Bracing DETAILS



ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS

- AS DEFINED BY STD 10-97 SBBCI 305.4.3. 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. TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 FOR 8'-0" WALLS (2'-3").

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

Shear Wall DETAILS

SCALE: NONE

GS NOT

SHOLAS PAUI EISLEF HITECT

JO3 NUMBER 20210322

SHEET NUMBER

OF 4 SHEETS