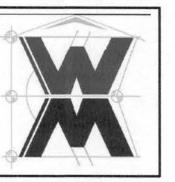


SOFTPION

SECTION 1"=1'0" ELEVATIONS
1/4" = 1'-0"

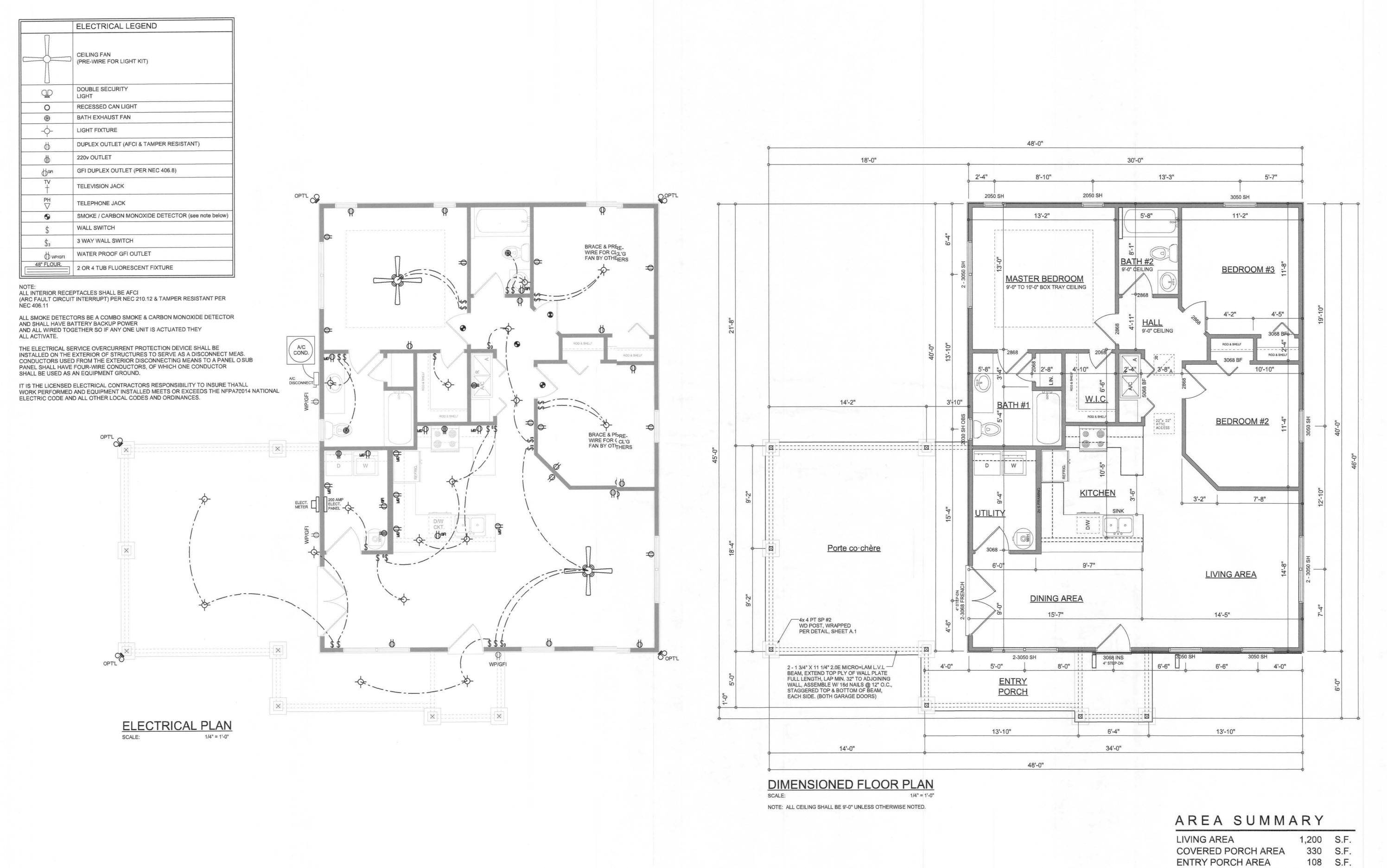
SMITH, CENT POR LOT 21, JEU
PROJECT ADDRESS: COLUMBIA CO MODE ,

© WM DESIGN &
A550CIATES, INC.
426 SW COMMERCE DR. STE 130
LAKE CITY, FL 32025
(386) 758-8406
will@willmyers.net



JOB NUMBER 20200129

> SHEET NUMBER A.1



SEVISIONS

January 31, 2020

Authorized Transported Services of the Control of th

D FLOOR PLAN

SCALE:

ELECTRICAL PLAN

SCALE:

147" = 110"

THE 'AUSTIN MODEL' CUSTOM FOR:

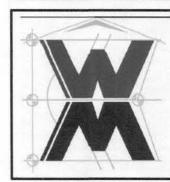
LOT 21, JEWEL LAKE

PROJECT ADDRESS: COLUMBIA COUNTY, FLORIDA

SORENSEN & SMITH, LLC.

LAKE BUTLER, FLORIDA

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



JOB NUMBER 20200129

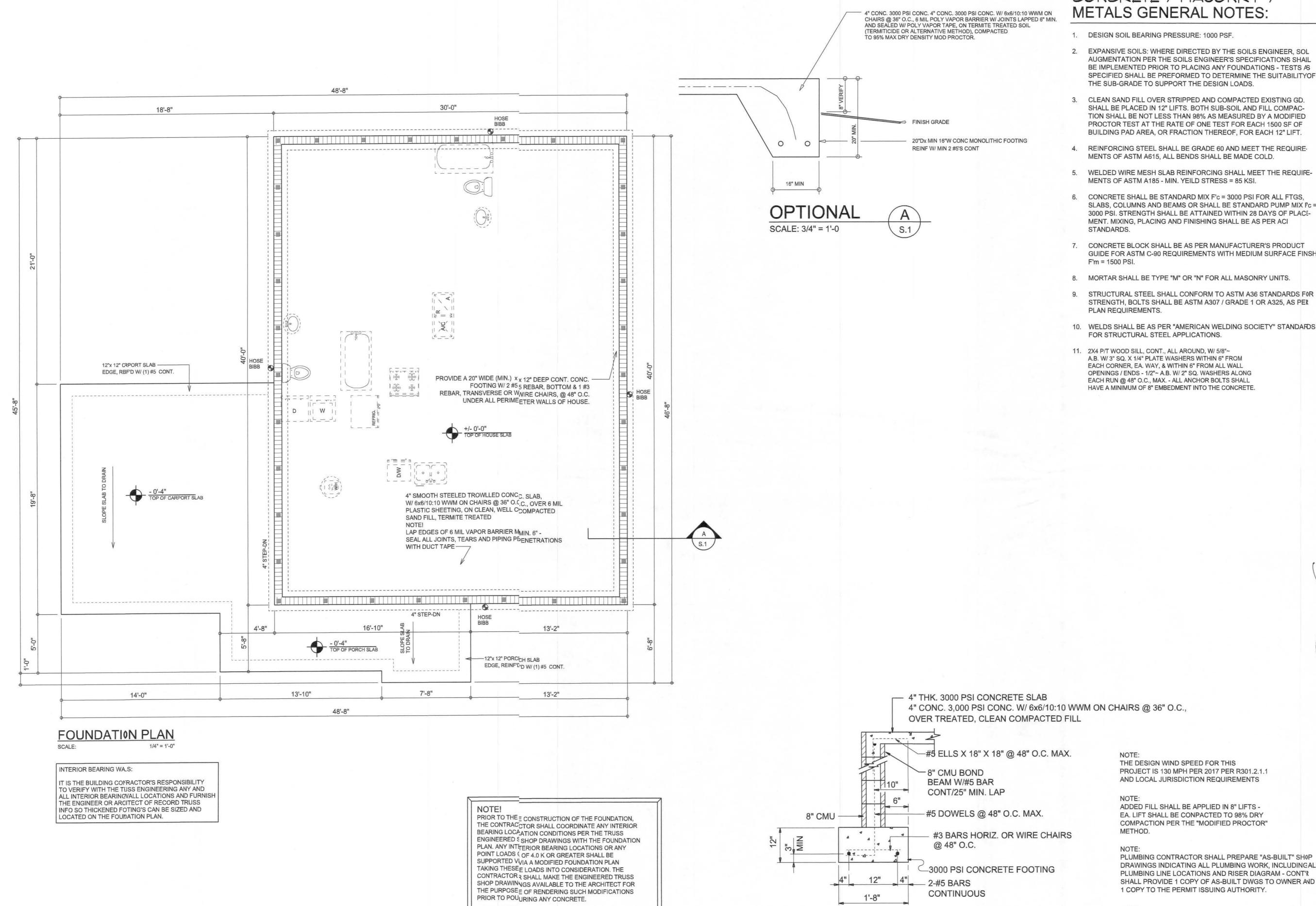
SHEET NUMBER

A.2

Will C-Arg

1,638 S.F.

TOTAL AREA



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

- DESIGN SOIL BEARING PRESSURE: 1000 PSF.
- EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHAIL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PREFORMED TO DETERMINE THE SUITABILITYOF 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.
- 5. 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 Fc = 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 FINSH -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.

DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDINGALL

PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONT'R

H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP

DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING AIL

DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALAICING

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

1 COPY TO THE PERMIT ISSUING AUTHORITY.

SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND

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.

SOFTPIXN

7 NS

SHEET NUMBER

OF 4 SHEETS

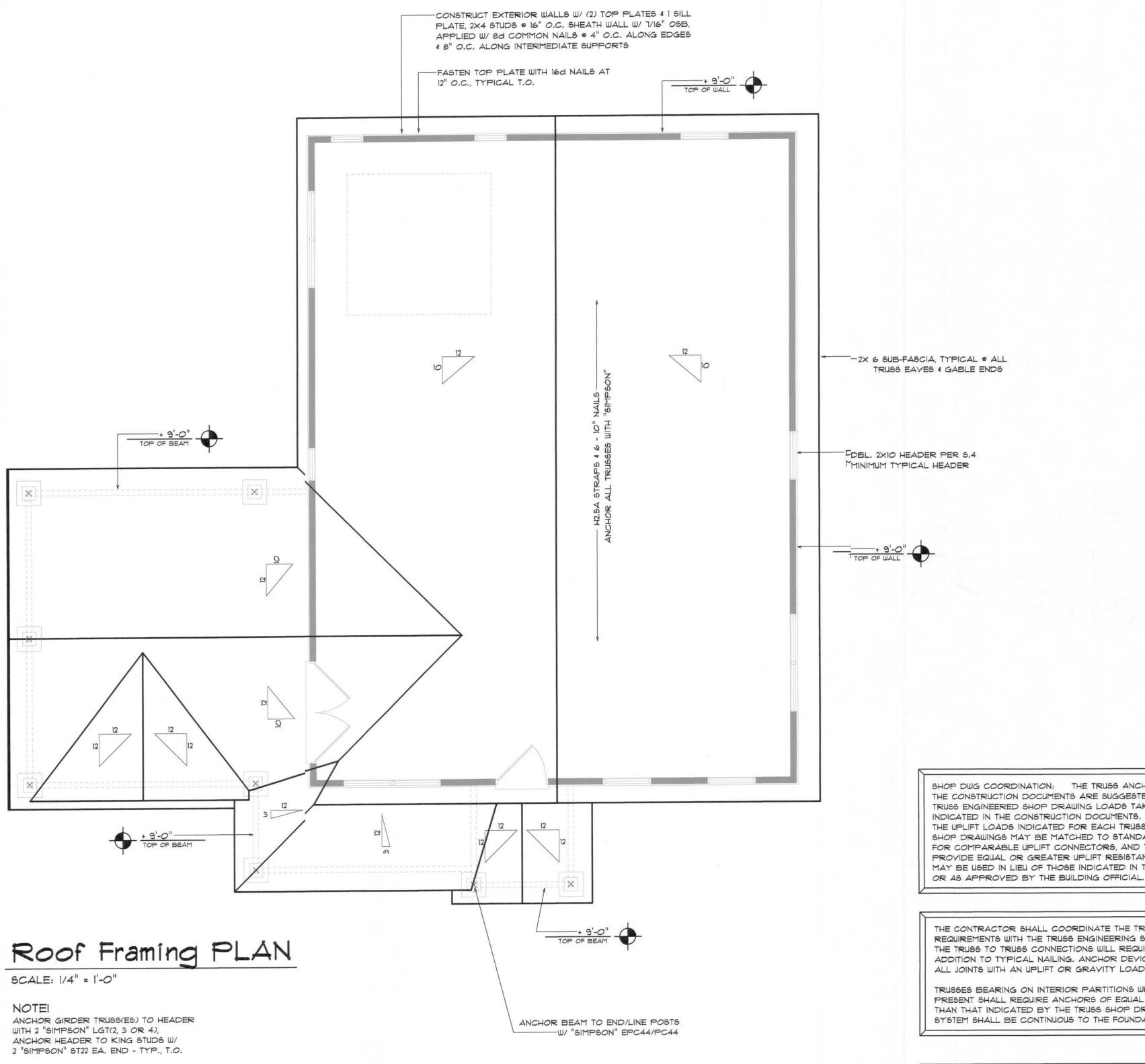
S.1

SECTION

SCALE: 3/4" = 1'-0

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

JOB NUMBER 20200129



REFER TO THE WINDOW/DOOR HEADER SCHEDULE ON SHEET 5.4 FOR ALL

MINIMUM SIZE HEADERS AND ALTERNATES MINIMUM SIZE ALLOWABLE IS 2-2XIO.

ROOF PLAN NOTES

R-1 SEE EXTERIOR ELEVATIONS FOR ROOF PITCH

CORDANCE WITH SCHEDULE ON SD.3

ALL OVERHANG 18" UNLESS OTHERWISE NOTED

PROVIDE ATTIC VENTILATION IN AC-

SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HEEL HEIGHTS

R-5 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

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

THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER 2017 PER R301.2.1.1 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'-0". PENETRATIONS THROUGH SUCH BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES, NOTED ABOVE

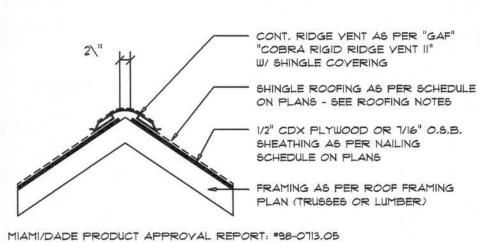
GENERAL TRUSS NOTES:

- I. 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 IT'S CONNECTIONS", LATEST Ed., ALONG W/ THE "TRUSS PLATE INSTITUTE" 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.
- 2. TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
- 3. FOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REQUIRMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND UPLIFT REQUIREMENTS OF TRUSSES OR GIRDERS, THE CONTRACTOR SHALL MAKE AYAILABLE 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.

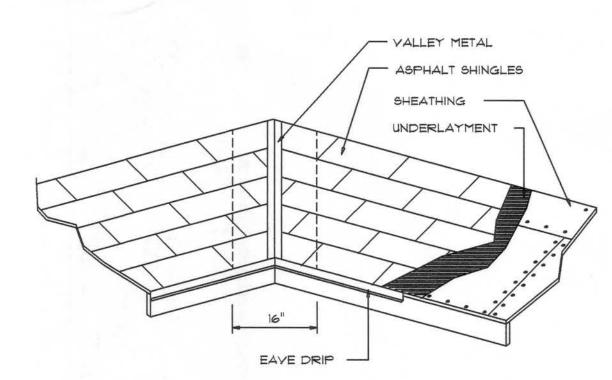
WOOD STRUCTURAL NOTES

- 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-NECTIONS.

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.







YALLEY FLASHING

	ETALS for FLAS ESS REQUIREMENTS		
MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALYANIZED STEEL	erio.o	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.027		40 20

Roofing/Flashing DETS.



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SOFTPIAN

JOB NUMBER 20200129

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

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

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

THESE PLANS ARE DRAWN FOR AVERAGE SITE CONDITIONS AND COMPLIANCE WITH APPLICABLE CODES IN COLUMBIA COUNTY, FL 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.

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

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

3. ROOF DESIGN LOADS:

4. FLOOR DESIGN LOADS:

RESIDENTIAL

BALCONIES

SUPERIMPOSED LIVE LOADS:

SUPERIMPOSED DEAD LOADS: 20 PSF

SUPERIMPOSED LIVE LOADS: 20 PSF

SUPERIMPOSED DEAD LOADS: 25 PSF

5. WIND NET UPLIFT: ARE AS INDICATED ON PLAS

1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREAMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT ENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATEIHEATER OR ELECTRIC PANEL. FBC 104.2.6

..... 40 PSF

..... 60 PSF

2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARC AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4 3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS ND SPRAY

HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDIN SIDE WALLS.

4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, ETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS TAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH L6S THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC403.1.6

5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATIN AND BACKFILL IS COMPLETE. FBC 1816.1.1 6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BEIETREATED

INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2 7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INFALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL C PLASTIC

FORMS, PERMANENT FORMS MUST BE OF A SIZE AND DEPTHHAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TRATMENT. FBC 1816.1.3 8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO ROTECT

AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE APOR RET-ARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.4 9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDAION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FE 1816.1.5

10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOICONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FB:1816.1.6

11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING ANIRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPED, SHALL BE RETREATED. FBC 1816.1.6

12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUC'ON TREATMENT. FBC 1816.1.7

13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THBUILDING DEPART-MENT BY # LICENSED PEST CONTROL COMPANY BEFORE A CRTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIACE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FORTHE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICUTURE AND CONS-UMER SERVICES". FBC 1816.1.7

14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILMUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLLOSE CONTAINING MATERIAL. FBC 2303.1.3

15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, FC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FB 2303.1.4

FRAMING ANCHOR SCHEDULE

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

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

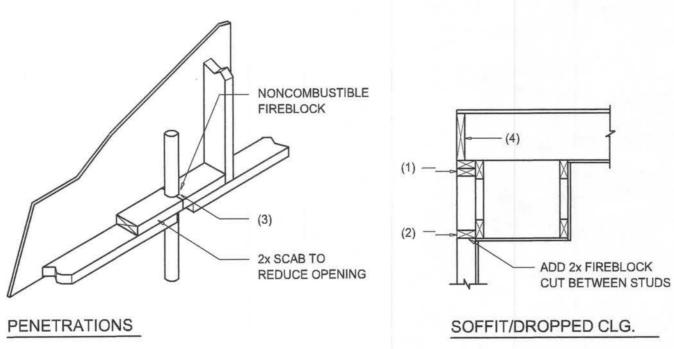
REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITION/JAL ANCHORS/ JOINT REINFORCEMENT AND FASTENERS.

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, #99-06233.04 SBCC1 NER-443, NER-393



FIREBLOCKING NOTES:

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

- 1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDINING 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 CEILILINGS, ETC.
- 3. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREEPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANNT"
- 4. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSSEMBLY 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



BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" ROOF ANGLE 2T TO 45°

	ZONE	AREA	Yult 110 MPH	Yult 120 MPH	Yult 130 MPH	Vult 140 MPH
45°	1 1	10 20 50	19.9 / -21.8 19.4 / -20.7 18.6 / -19.2	23.7 / -25.9 23.0 / -24.6 22.2 / -22.8	27.8 / -30.4 27.0 / -28.9 26.0 / -26.8	32.3 / -35.3 31.4 / -33.5 30.2 / -31.1
2T TO	2 2 2	10 20 50	19.9 / -25.5 19.4 / -24.3 18.6 / -22.9	23.7 / -30.3 23.0 / -29.0 22.2 / -27.2	27.8 / -35.6 27.0 / -34.0 26.0 / -32.0	32.3 / -41.2 31.4 / -39.4 30.2 / -37.1
ROOF	3 3 3	10 20 50	19.9 / -25.5 19.4 / -24.3 18.6 / -22.9	23.7 / -30.3 23.0 / -29.0 22.2 / -27.2	27.8 / -35.6 27.0 / -34.0 26.0 / -32.0	32.3 / -41.2 31.4 / -39.4 30.2 / -37.1
1	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
MALL	5 5 5	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

	EXPOSURE AT LDING COMPO		
BLDG HEIGHT	EXPOSURE	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

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 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 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 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: 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:

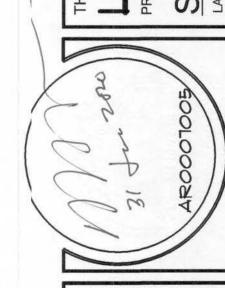
> GLASS-SEAL AR ELITE GLASS-SEAL AR HERITAGE 30 AR HERITAGE 40 AR HERITAGE 50 AR

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

S

SOFTPIAN

C



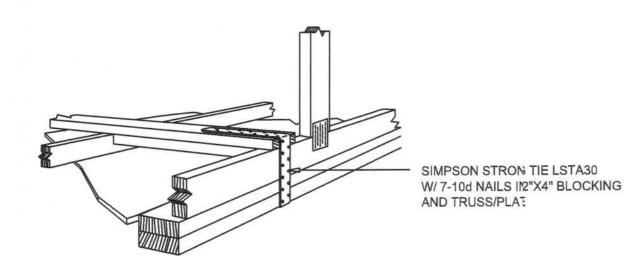


JOB NUMBER 20200129

SHEET NUMBER

OF 4 SHEETS

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



GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE

STRUCTURAL SHEATHING	
2 X 4 X 8 SOUTHERN YELLOW PINE 2 - 8D COMMON NAILS EACH BOTTOM CHORD @ 6'-0" C/C	- GABE SHEATHING - 2 X &OUTHERN YELLOW PINE DIAONAL BRACING @ 6'-0" C / C 2 - 8ICOMMONS @ EACH CROSSING & AT:ACH END - SIMFON LST A 30 SEE ABLE END DETAIL X/SD.X 10D AILS @ 12" C / C

END WALL BRACING FOR CEILING DIAPHRAGM

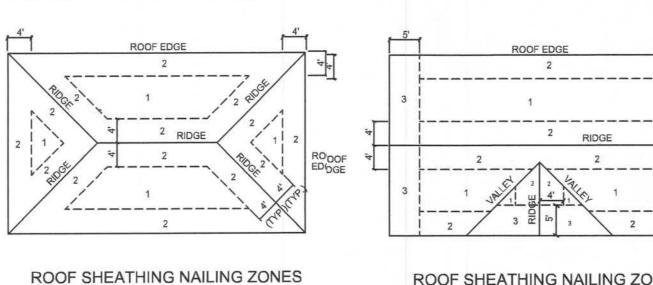
(ALTERNATIVE TO BALLOON FRANNG)

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

	553			ENTS & CLADD GHT = 30.0', EX		
	ZONE	AREA	Vult 110 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 PH
	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	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
ROOF	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
LL	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 / -29.3	27.2 / -34.3	31.6-39.8

F	ROOF SHEAT	HING FASTEN	NINGS
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	7/16 " O.S.B. OR 15/32 CDX	0.1 0.01 MOV 0.D	6 in. o.c. EDGE 12 in. o.c. FIELD
2		8d COMMON OR 8d HOT DIPPED GALVANIZED	6 in. o.c. EDGE 6 in. o.c. FIELD
3		BOX NAILS	4 in. o.c. @ GABLE ENDWALI OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD

	EXPOSURE AD DING COMPONE		
BLDG HEIGHT	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



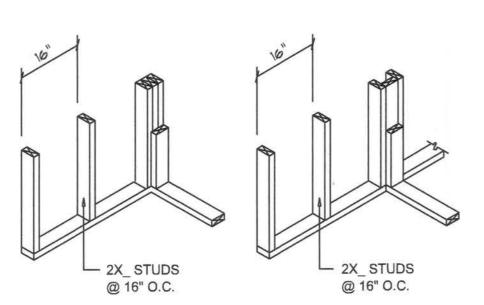
(HIP ROOF)

ROOF SHEATHING NAILING ZONES (GABLE ROOF)

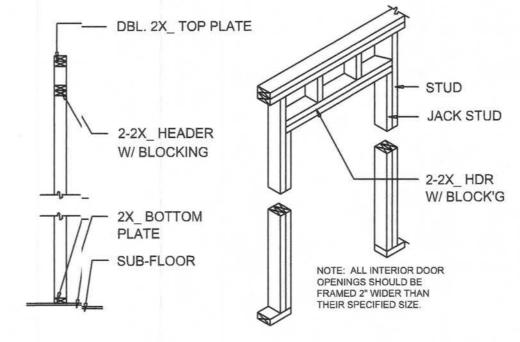
Roof Nail Pattern DET. SCALE: NONE

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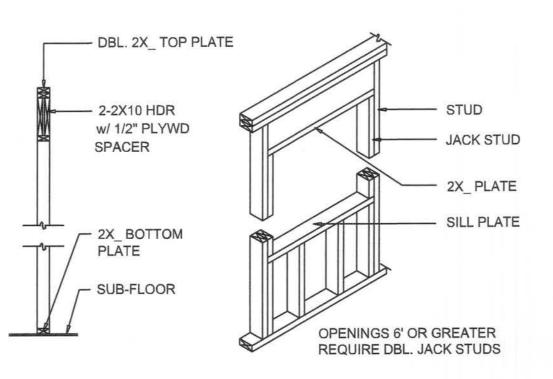
			В	UILDING V	VIDTH (FT)		
HEADERS	HEADER 20'		20'	0' 28'		3	36'
SUPPORTING:	SIZE	SPAN	# JACKSS	SPAN	# JACKS	SPAN	# JACKS
	2-2x4	3'-6"	1	3'-2"	1	2'-10"	1
	2-2x6	5'-5"	1	4'-8"	1	4'-2"	1
ROOF, CEILING	2-2x8	6'-10"	1	5'-11"	2	5'-4"	1
	2-2x10	8'-5"	2	7'-3"	2	6'-6"	2
	2-2x12	9'-9"	2	8'-5"	2	7'-6"	2
	3-2x8	8'-4"	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



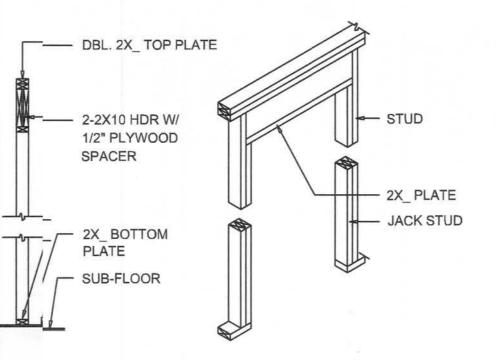
WALL INTERSECTION WALL CORNER



NON-BEARING WALL HEADER



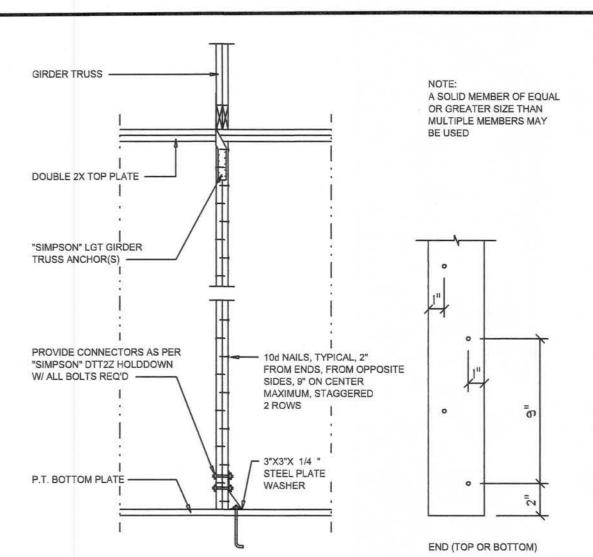
TYPICAL WINDOW HEADER



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:

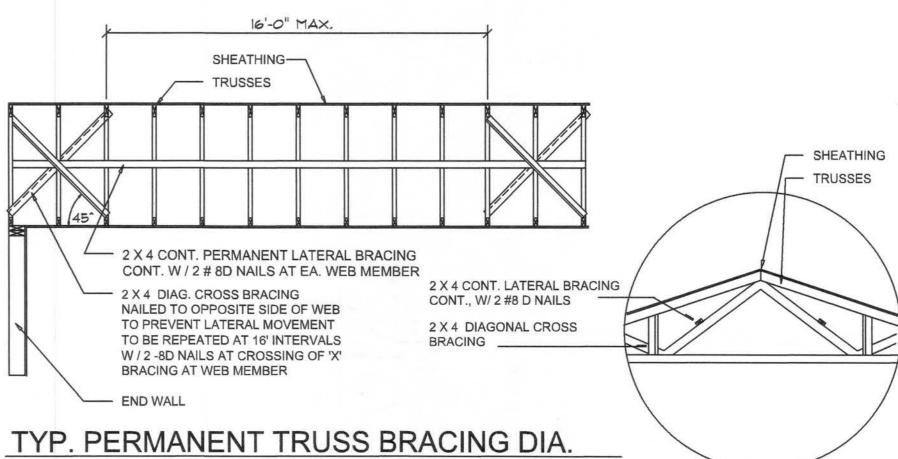
APPLY VERTICALLY, "WindSTORM" 7/16" OSB 48" X 97", 109", 121" OR 145" SHEATHING. FASTEN TO THE TOP PLATE AND THE SILL PLATE WITH EITHER 6d COMMONS @ 3" O.C. OR 8d COMMONS @ 4" O.C., FASTEN TO EACH STUD WITH EITHER 6d COMMONS @ 6" O.C. OR 8d COMMONS @ 8" O.C.

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.



Girder Truss Column DET.

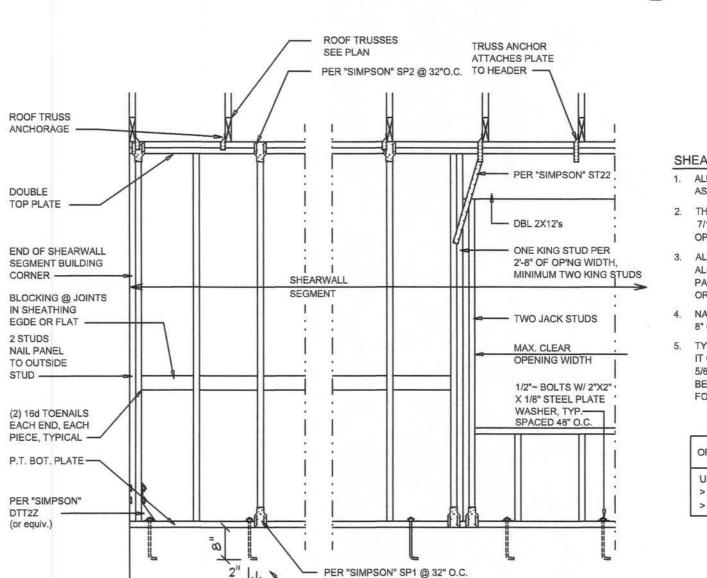
SCALE: 1/2" = 1'-0"



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

Truss Bracing DETAILS

SCALE: AS NOTED



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- . ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS
- THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16 " O.S.B. INCLUDING AREAS ABOVE AND BELOW
- 3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURING OVER COMMON FRAMING MEMBERS
- 4. NAIL SPACING SHALL BE 4" O.C. EDGES AND
- 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

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

JOB NUMBER 20200129

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SORENS

SHEET NUMBER S.4

OF 4 SHEETS