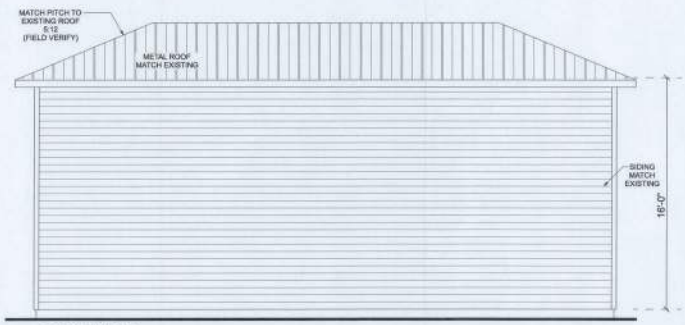
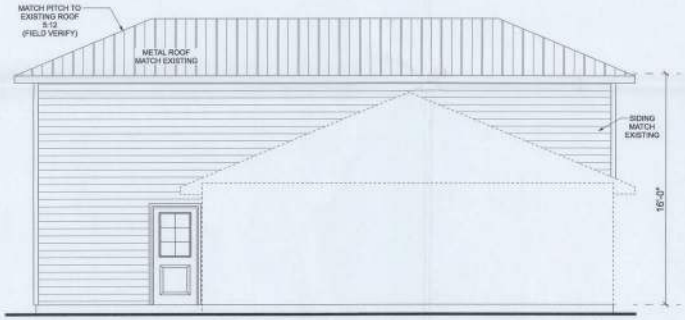


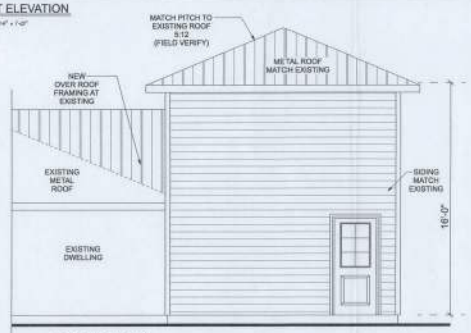
LEFT ELEVATION

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



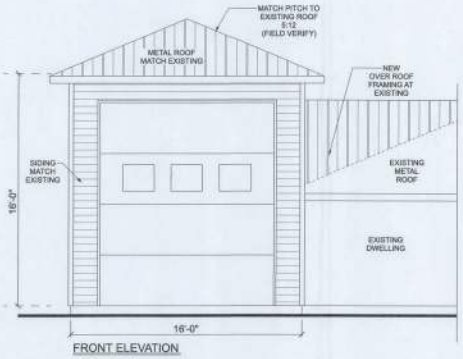
RIGHT ELEVATION

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



REAR ELEVATION

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



FRONT ELEVATION

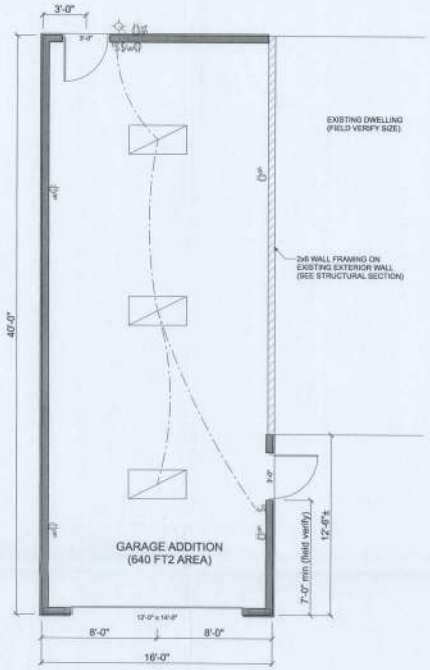
SCALE: 1/4" = 1'-0"

ELECTRICAL PLAN NOTES:

E - 1	WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
E - 2	CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.
E - 3	ALL INSTALLATIONS SHALL BE PER NAT'L. ELECTRIC CODE.
E - 4	ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OR THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.
E - 5	TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES ON OUTLETS SHALL BE AS PER THE OWNERS DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.
E - 6	ELECTRICAL CONTR SHALL BE RESPONSIBLE FOR THE DESIGN & SIZING OF ELECTRICAL SERVICE AND CIRCUITS.
E - 7	ENTRY OF SERVICE (UNDERGROUND OR OVERHEAD) TO BE DETERMINED BY POWER COMPANY.
E - 8	ALL 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUN ROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION-TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.
E - 9	ALL OUTLETS TO BE LOCATED ABOVE BASE FLOOD ELEVATION
E - 10	A SERVICE DISCONNECT WITH OVER CURRENT PROTECTION SHALL BE INSTALLED OUTSIDE OF THE BUILDING, ON THE LOAD SIDE OF THE METER, AT THE PLACE ELECTRIC CONDUCTORS ENTER THE BUILDING. SERVICE ENTRANCE CONDUCTORS MAY NOT BE LOCATED INSIDE OF THE OF THE BUILDING WITHOUT SPECIAL APPROVAL OF THE BUILDING OFFICIAL
E - 11	CARBON MONOXIDE ALARMS SHALL BE REQUIRED WITHIN 15' OF ALL ROOMS FOR SLEEPING PURPOSES IN BUILDINGS HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR ATTACHED GARAGE.
E - 12	ALL OUTLETS LOCATED IN RESIDENTIAL TO BE TAMPER-RESISTANT PER NEC.
E - 13	A MINIMUM OF 75% OF PERMANENTLY INSTALLED LAMPS OR LIGHTING FIXTURES SHALL BE HIGH EFFICACY PER EC-SEC. R406.1

ELECTRICAL LEGEND

	CEILING FAN (PRE-WIRE FOR LIGHT KIT)
	DOUBLE SECURITY LIGHT
	2X4 FLUORESCENT LIGHT FIXTURE
	RECESSED CAN LIGHT
	BATH EXHUST FAN WITH LIGHT
	BATH EXHUST FAN
	LIGHT FIXTURE
	DUPLEX OUTLET
	220V OUTLET
WP	GFI DUPLEX OUTLET
	SMOKE DETECTOR
	WALL SWITCH
3	3 WAY WALL SWITCH
4	4 WAY WALL SWITCH
WP GFI	WATER PROOF GFI OUTLET
	PHONE JACK
	TELEVISION JACK
	GARAGE DOOR OPENER
CM	CARBON MONOXIDE ALARM



MAIN FLOOR LAYOUT

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

R302.5.1 Opening protection:

Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8 inches in thickness, solid or honeycomb-core steel doors not less than 1 3/8 inches thick, or 20 minute fire-rated doors, equipped with a self-closing device.

TABLE R302.6 DWELLING/GARAGE SEPARATION:

SEPRARATION	MATERIAL
From the residence and attics	Not less than 1/2 inch gypsum board or equivalent applied to the garage side
From all habitable rooms above the garage	Not less than 5/8 inch Type X gypsum board or equivalent
Structure(s) supporting floor/ceiling assemblies used for separation required by this section	Not less than 1/2 inch gypsum board or equivalent
Garages located less than 3 feet from a dwelling unit on the same lot	Not less than 1/2 inch gypsum board or equivalent applied to the interior side of exterior walls that are within this area

ROOF PLAN NOTES:

REQUIRED ATTIC ACCESS:
BUILDINGS WITH COMBUSTIBLE CEILING OR ROOF CONSTRUCTION SHALL HAVE ATTIC ACCESS OPENING TO ATTIC AREAS THAT EXCEED 30 SQUARE FEET AND HAVE A VERTICAL HEIGHT OF 30" OR GREATER. THE VERTICAL HEIGHT SHALL BE MEASURED FROM THE TOP OF THE CEILING FRAMING MEMBERS TO THE UNDERSIDE OF THE ROOF FRAMING MEMBERS. THE ROUGH-FRAMED OPENING SHALL NOT BE LESS THAN 20" x 30" AND SHALL BE LOCATED IN A HALLWAY OR OTHER READILY ACCESSIBLE LOCATION. WHEN LOCATED IN A WALL, THE OPENING SHALL BE A MIN. OF 22" WIDE x 30" HIGH. ACCESS IS LOCATED IN A CEILING, MIN. UNOBSTRUCTED HEADROOM IN THE ATTIC SPACE SHALL BE 30" AT SOME POINT ABOVE THE ACCESS MEASURED VERTICALLY FROM THE BOTTOM OF CEILING FRAMING MEMBERS.
(REF SECTION M1308.1.3 FOR ACCESS REQUIREMENTS WHERE MECHANICAL EQUIPMENT IS LOCATED IN ATTICS)

REQUIRED ROOF VENTILATION:
REQUIRED ATTIC SPACE: ATTIC AND RAFTER SPACES FRAMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATING OPENINGS PROTECTED AGAINST THE ENTRANCE OF RAIN. VENTILATION OPENINGS SHALL HAVE A LEAST DIMENSION OF 1/16" MIN. AND 1/4" MAX. VENTILATION OPENINGS HAVING A LEAST DIMENSION LARGER THAN 1/4" SHALL BE PROVIDED WITH CORROSION-RESISTANT WIRE CLOTH SCREENING, HARDWARE CLOTH, OR SIMILAR MATERIAL WITH OPENINGS HAVING A LEAST DIMENSION OF 1/16" MIN. AND 1/4" MAX. OPENINGS IN ROOF FRAMING MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF SEC. R802.7.8.
REQUIRED VENTILATION OPENINGS SHALL OPEN DIRECTLY TO OUTSIDE AIR

MINIMUM ROOF VENT AREA:
THE MINIMUM NET FREE VENTILATING AREA SHALL BE 1/150 OF THE AREA OF THE VENTED SPACE.
EXCEPTION: THE MINIMUM NET FREE VENTILATION AREA SHALL BE 1/300 OF THE VENTED SPACE PROVIDED ONE OR MORE OF THE FOLLOWING CONDITIONS ARE MET:
1. IN CLIMATE ZONES 6, 7 AND 8, A CLASS I OR II VAPOR RETARDER IS INSTALLED ON THE WARM IN WINTER SIDE OF THE CEILING.
2. AT LEAST 40 PERCENT AND NOT MORE THAN 50 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC OR RAFTER SPACE. UPPER VENTILATORS SHALL BE LOCATED NO MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE, MEASURED VERTICALLY, WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS. WHERE THE LOCATION OF WALL OR ROOF FRAMING MEMBERS CONFLICTS WITH THE INSTALLATION OF UPPER VENTILATORS, INSTALLATION MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE SHALL BE PERMITTED.

THOMAS SCHMIDT

HINES & DICKSON RES.

PROJECT ADDRESS:
634 SE ROSEWOOD CIR
LAKE CITY, FL

#535 15

Mark Disosway FL PE 53915

MARK D. DISOSWAY
LICENSED
No 53915
STATE OF FLORIDA
PROFESSIONAL ENGINEER

3/17/2026

COLUMBIA COUNTY BUILDING DEPARTMENT
Reviewed for Code Compliance
FILE COPY
Date 3/17/2026

DIMENSIONS:
Select dimensions supersede scaled dimensions. Refer all questions to Mark Disosway, P.E. for resolution. Do not proceed without clarification.

COPYRIGHTS AND PROPERTY RIGHTS:
Mark Disosway, P.E. hereby expressly reserves his common law copyrights and property rights in these instruments of service. This document is not to be reproduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disosway.

CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering, comply with the 8th Edition Florida Building Code Residential (2023) to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location.

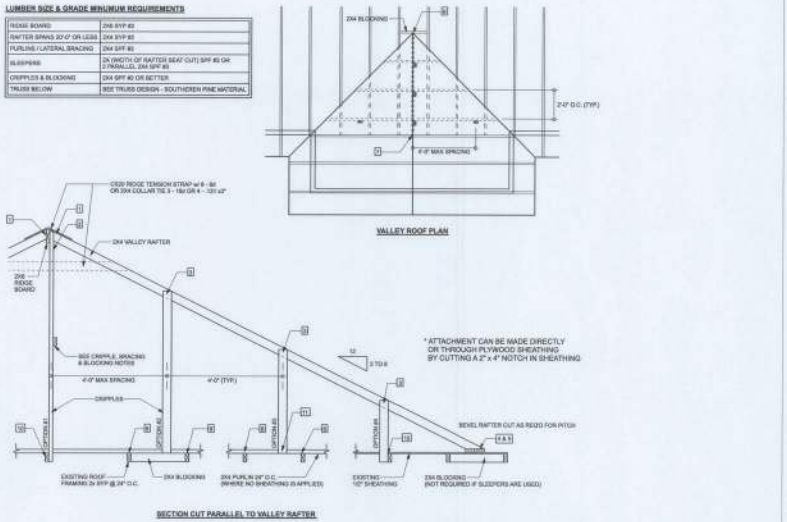
Mark Disosway P.E.
163 SW Midtown Place
Suite 103
Lake City, Florida 32025
386.754.5419
disoswaydesign@gmail.com

JOB NUMBER:
250490

#1
OF 3 SHEETS

LUMBER SIZE & GRADE MINIMUM REQUIREMENTS

RIDGE BOARD	2X8 SYP #2
RAFTER SPANS 20'-0" OR LESS	2X4 SYP #2
PURLINS / LATERAL BRACING	2X4 SPF #2
SLEEPERS	2X (WIDTH OF RAFTER SEAT CUT) SPF #2 OR 2 PARALLEL 2X4 SPF #2
CRIPPLES & BLOCKING	2X4 SPF #2 OR BETTER
TRUSS BELOW	SEE TRUSS DESIGN - SOUTHERN PINE MATERIAL



ROOF OVER FRAMING & BRACING DETAIL

SCALE: N.T.S

VALLEY ROOF PLAN MEMBER LEGEND

- TRUSS
- TRUSS UNDER VALLEY FRAMING
- VALLEY RAFTER OR RIDGE
- CRIPPLE

CRIPPLES 4'-0" O.C. FOR 20 psf (TL) AND 10 psf (TD) (TYP. SHINGLE ROOF) MAX

CONNECTION REQUIREMENT NOTES

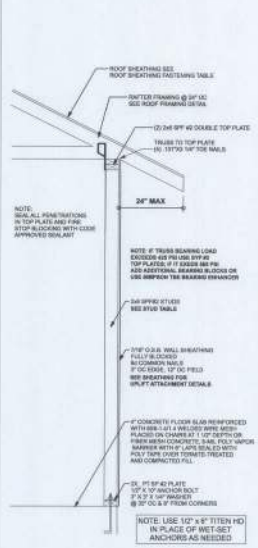
1	2X4 RAFTERS TO RIDGE	3 - 16d OR 6 - 131 x 3" TOE NAILS
2	CRIPPLE TO RIDGE	3 - 16d OR 6 - 131 x 3" FACE NAILS
3	CRIPPLE TO RAFTERS	3 - 16d OR 6 - 131 x 3" FACE NAILS
4	RAFTER TO SLEEPER (IF BLOCKING)	6 - 16d OR 12 - 131 x 3" TOE NAILS
5	SLEEPER TO TRUSS	4 - 16d OR 8 - 131 x 3" FACE NAILS EACH TRUSS
6	RIDGE BOARD TO ROOF BLOCK	3 - 16d OR 6 - 131 x 3" TOE NAILS
7	RIDGE BOARD TO TRUSS	3 - 16d OR 6 - 131 x 3" TOE NAILS
8	PURLIN TO TRUSS (TYP.)	3 - 16d OR 6 - 131 x 3" NAILS
9	PURLIN TO TRUSS (IF CRIPPLE IS AT 24 INCHES TO PURLIN)	4 - 16d OR 8 - 131 x 3" NAILS
9	TRUSS TO BLOCKING	3 - 16d OR 6 - 131 x 3" END NAILS
10	CRIPPLE TO BLOCKING	3 - 16d OR 6 - 131 x 3" FACE NAILS
11	CRIPPLE TO PURLIN	3 - 16d OR 6 - 131 x 3" FACE NAILS

GENERAL NOTES

MAXIMUM RAFTER SPANS
6'-0" FOR 2X4, 8'-2" FOR 2X6 SPF #2 OR SYP #4,
MAXIMUM ROOF AREA PER SUPPORT
1882 IN ZONES 2 & 3 , 3482 IN ZONE 1, (EXAMPLE: 4'-0" O.C. X 8'-0" SPAN FOR 2X6 OR 2'-0" O.C. X 8'-0" SPAN FOR 2X4)
PURLINS EQUAL TO 24" O.C. IF EXISTING SHEATHING IS REMOVED.
PURLINS SHOULD OVERLAP SHEATHING (ONE TRUSS SPACING MINIMUM IN CASES THAT THIS IS IMPRACTICAL, OVERLAP SHEATHING A MINIMUM OF 6", AND NAIL UPWARDS THROUGH SHEATHING INTO PURLIN WITH A MINIMUM OF 8 - 8d COMMON WIRE NAILS
THIS DRAWING APPLIES TO VALLEYS WITH THE FOLLOWING CONDITIONS:
- SPANS EXISTANCE BETWEEN HIP(S) 40'-0" OR LESS
- MAXIMUM VALLEY HEIGHT: 10'-0" OR LESS
- MAXIMUM WIND SPEED: 130 MPH
- MAXIMUM MEAN ROOF HEIGHT: 35 FEET
- MAXIMUM TOTAL LOADING: 40 psf
- MEETS FBC / ASCE 7-10 WIND REQUIREMENTS
- EXPOSURE CATEGORY "D", I = 1.6, kzt = 1.3
- ENCLOSED BUILDING

CRIPPLE, BRACING, & BLOCKING NOTES

- 2X4 CONTINUOUS LATERAL BRACE (CLB) MIN. IS REQUIRED FOR CRIPPLES 6'-0" TO 10'-0" LONG NAILED w/ 2 - 16d NAILS OR 2X4 "T". OR BOAS BRACE NAILED TO FULL EDGE OF CRIPPLE WITH 16 NAILS @ 6" O.C. "T" 2X4 BOAS MUST BE 80% OF CRIPPLE LENGTH. CRIPPLES OVER 10'-0" LONG REQUIRE TWO CLB's ON BOTH FACES w/ "T" OR SCAB. USE STRESS GRADED LUMBER & BOX OR COMMON NAILS.
- NARROW EDGE OF CRIPPLE CAN FACE RIDGE OR RAFTER, AS LONG AS THE PROPER NUMBER OF NAILS ARE INSTALLED INTO RIDGE BOARD
- INSTALL BLOCKING UNDER RAFTER IF SLEEPERS ARE NOT USED
- INSTALL BLOCKING UNDER CRIPPLES IF CRIPPLES FALL BETWEEN LOWER TRUSS CHORDS AND LATERAL BRACING IS NOT USED.
- CRIPPLE WALL NAILING IN ACCORDANCE TO 1628-1807 SECTION 12. NAILS ARE COMMON WIRE NAILS UNLESS NOTED OTHERWISE



ONE STORY WALL SECTION

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

ROOF SHEATHING FASTENING TABLE (RAFTER / TRUSS SG = 0.49)

Wind Speed	Sheathing Thickness Plywood Or OSB	Required Nail	Nail spacing along panel edges	Nail spacing along intermediate supports in the panel field
120 mph Exp. B	7/16"	ASTM F1667 R5R5-01 (2 3/4" x 0.131")	6" on	12" on
120 mph Exp. C	7/16"	ASTM F1667 R5R5-01 (2 3/4" x 0.131")	6" on	6" on
120 mph Exp. D	19/32"	ASTM F1667 R5R5-03 (2 1/2" x 0.131") or ASTM F1667 R5R5-04 (2" x 0.120")	6" on	6" on
135 mph Exp. B	7/16"	ASTM F1667 R5R5-01 (2 3/4" x 0.131")	6" on	6" on
135 mph Exp. C	19/32"	ASTM F1667 R5R5-01 (2 3/4" x 0.131")	6" on	6" on
135 mph Exp. D	19/32"	ASTM F1667 R5R5-03 (2 1/2" x 0.131") or ASTM F1667 R5R5-04 (2" x 0.120")	6" on	6" on
140 mph Exp. B	7/16"	ASTM F1667 R5R5-01 (2 3/4" x 0.131")	6" on	6" on
140 mph Exp. C	19/32"	ASTM F1667 R5R5-03 (2 1/2" x 0.131") or ASTM F1667 R5R5-04 (2" x 0.120")	6" on	6" on
140 mph Exp. D	19/32"	ASTM F1667 R5R5-03 (2 1/2" x 0.131") or ASTM F1667 R5R5-04 (2" x 0.120")	6" on	6" on
150 mph Exp. B	7/16"	ASTM F1667 R5R5-01 (2 3/4" x 0.131") or ASTM F1667 R5R5-04 (2" x 0.120")	6" on	6" on
150 mph Exp. C	19/32"	ASTM F1667 R5R5-03 (2 1/2" x 0.131") or ASTM F1667 R5R5-04 (2" x 0.120")	6" on	6" on
150 mph Exp. D	19/32"	ASTM F1667 R5R5-03 (2 1/2" x 0.131") or ASTM F1667 R5R5-04 (2" x 0.120")	6" on	6" on

Note: For sheathing located a minimum of 4 feet from the perimeter edge of the roof, indicating 6 feet on each side of ridges and hips, nail spacing is permitted to be 6 inches on center along panel edges and 6 inches on center along intermediate supports in the panel field. Note: This table specifies the code minimum thickness of roof sheathing. The thickness of the sheathing may need to be increased based in the type of roofing material being used. See manufacturer Florida product approval.

CONNECTOR TABLE

Uplift SP	Uplift SPF	Truss Connector	To Plate	To Truss/Rafter
565	505	SDWC15600	8-16d	18-16d
415	298	H1	4-8d x1 1/2"	4-8d x1 1/2"
675	545	H5 A/H	5-8d x1 1/2"	5-8d x1 1/2"
1345	1115	H10A	9-16d1 1/2"	9-16d1 1/2"
730	620	LTS12-99	8-16d1 1/2"	8-16d1 1/2"
1305	865	MTS12-99	7-16d1 1/2"	7-16d1 1/2"
1455	1245	HTS20-99	12-16d1 1/2"	12-16d1 1/2"

Uplift SP	Uplift SPF	Strap Ties	To One Member	To Other Member
1335	1335	LSTA21	9-16d	9-16d
1645	1450	MSTA21	9-16d	9-10d
1060	1030	CS20	7-16d	7-10d

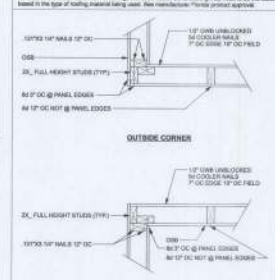
Uplift SP	Uplift SPF	Stud Plate Ties	To Stud	To Plate
585	535	SP1	8-16d	4-16d
1065	865	SP2	8-16d	8-16d
771	771	LSTA24	12-16d	wrap under or over plate
1230	1230	LSTA34	14-16d	wrap under or over plate

Uplift SP	Uplift SPF	Hurricane @ Stemwall	To Stud / Post	Anchor
1605	1605	DTT2Z	8-10d (10"x1 1/2")	1/2"x13" Titen HD
4235	3845	HTT4	18-16d x2 1/2"	1/2"x13" Titen HD

Uplift SP	Uplift SPF	Hurricane @ Mono	To Stud / Post	Anchor
1925	1805	DTT2Z	8-10d (10"x1 1/2"	1/2"x13" Titen HD
4235	3845	HTT4	18-16d x2 1/2"	1/2"x13" Titen HD

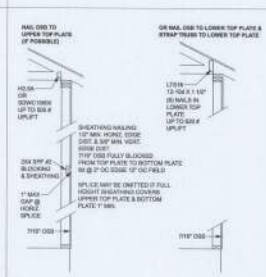
Uplift SP	Uplift SPF	Post Base @ Stemwall	To Post	Anchor
1805		ABU44Z	12-16d	5/8"x12" Drill & Epoxy
3175		ABU66Z	12-16d	5/8"x12" Drill & Epoxy

Uplift SP	Uplift SPF	Post Base @ Mono	To Post	Anchor
1805		ABU44Z	12-16d	5/8"x7" Drill & Epoxy
3175		ABU66Z	12-16d	5/8"x7" Drill & Epoxy



(TYP.) CORNER FRAMING

WOOD FRAME



SHEATHING FOR UPLIFT ATTACHMENT DETAILS

ONE STORY WOOD FRAME

GENERAL NOTES:

TRUSSES: TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE FBCR. TRUSS ENGINEERING SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS. TRUSS ENGINEERING IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND SHALL BE SIGNED & SEALED BY THE MANUFACTURER'S DESIGN ENGINEER. IT IS THE BUILDER'S RESPONSIBILITY VERIFY THE TRUSS DESIGNER FULLY SATISFIES ALL THE ABOVE REQUIREMENTS AND TO SELECT UPLIFT CONNECTIONS BASED ON TRUSS ENGINEERING UPLIFT AND PROVIDE FOOTINGS FOR INTERIOR BEARING WALLS. BUILDER IS TO FURNISH TRUSS ENGINEERING TO WIND LOAD ENGINEER FOR REVIEW OF TRUSS REACTIONS ON THE BUILDING STRUCTURE. STRAP DIS RAFTERS WITH MIN. UPLIFT CONNECTION 475LB EACH END, 2X8 RAFTERS 705 LB EACH END

SITE PREPARATION: SITE ANALYSIS AND PREPARATION IS NOT PART OF THIS PLAN.

FOUNDATION: CONFIRM THAT THE FOUNDATION DESIGN & SITE CONDITIONS MEET GRAVITY LOAD REQUIREMENTS (ASSUME 1500 PSF BEARING CAPACITY UNLESS VISUAL OBSERVATION OR SOILS TEST PROVES OTHERWISE)

CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS, F'c = 2500 PSI.

WELDED WIRE REINFORCED SLAB: 6" x 6" W1.4 x W1.4, YS = 85KSI. WELDED WIRE REINFORCEMENT FABRIC (WWR) CONFORMING TO ASTM A185, LOCATED IN MIDDLE OF THE SLAB, SUPPORTED WITH APPROVED MATERIALS OR SUPPORTS AT SPACINGS NOT TO EXCEED 8'.

FIBER CONCRETE SLAB: CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTH 1/2 INCH TO 2 INCHES. DOSAGE AMOUNTS FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD PER THE MANUFACTURER'S RECOMMENDATIONS. FIBERS TO COMPLY WITH ASTM C-116. SUPPLIER TO PROVIDE ASTM C-116 CERTIFICATION OF COMPLIANCE WHEN REQUESTED BY BUILDING OFFICIAL.

CONTROL JOINTS: WHERE SPECIFIED, SAWN CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE CUT IN ACCORDANCE WITH ACI 302. JOINTS SHALL BE CUT WITHIN 12 HOURS OF SLAB PLACEMENT. THE LENGTH / WIDTH RATIOS OF SLAB AREAS SHALL NOT EXCEED 1.5 AND TYPICAL SPACING OF CUTS TO BE 10FT. DO NOT CUT WWM OR REINFORCING STEEL. RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTOR APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE.)

REBAR: ASTM A615, GRADE 40, DEFORMED BARS, FY = 40 KSI. ALL LAP SPLICES 40 " (30" FOR #5 BARS), LBD. ALL REINFORCEMENT SHALL BE TIED AND PLACED IN ACCORDANCE WITH ACI 315-99, U.N.O.

ROOF SHEATHING: ALL ROOFS ARE HORIZONTAL DIAPHRAGM. SHEATHING, UNBLOCKED, APPLIED PERPENDICULAR TO FRAMING, OVER A MINIMUM OF 3 FRAMING MEMBERS, WITH PANEL EDGES STAGGERED.

STRUCTURAL CONNECTORS: MANUFACTURERS AND PRODUCT NUMBER FOR CONNECTORS, ANCHORS, AND REINFORCEMENT ARE LISTED FOR EXAMPLE NOT ENDORSEMENT. AN EQUIVALENT DEVICE OF THE SAME OR OTHER MANUFACTURER CAN BE SUBSTITUTED FOR ANY DEVICES LISTED IN THE EXAMPLE TABLES AS LONG AS IT MEETS THE REQUIRED LOAD CAPACITIES. MANUFACTURER'S INSTALLATION INSTRUCTIONS MUST BE FOLLOWED TO ACHIEVE RATED LOADS.

ANCHOR BOLTS: A 307 ANCHOR BOLTS WITH MINIMUM EMBEDMENT AS SPECIFIED IN DRAWINGS BUT NO LESS THAN 7" IN CONCRETE OR REINFORCED MONO BRAM OR 10" IN GROUTED CMU.

BUILDER'S RESPONSIBILITY:

THE BUILDER AND OWNER ARE RESPONSIBLE FOR THE FOLLOWING, WHICH ARE SPECIFICALLY NOT PART OF THE WIND LOAD ENGINEER'S SCOPE OF WORK.
CONFIRM SITE CONDITIONS, FOUNDATION BEARING CAPACITY, GRADE AND BACKFILL HEIGHT, WIND SPEED AND DEBRIS ZONE, AND FLOOD ZONE
PROVIDE MATERIAL AND CONSTRUCTION TECHNIQUES, WHICH COMPLY WITH FBCR REQUIREMENTS FOR THE STATED WIND VELOCITY AND DESIGN PRESSURES
PROVIDE A CONTINUOUS LOAD PATH FROM TRUSSES TO FOUNDATION. IF YOU BELIEVE THE PLAN OMITS A CONTINUOUS LOAD PATH CONTACTED THE WIND LOAD ENGINEER IMMEDIATELY
VERIFY THE TRUSS MANUFACTURER'S SEALED ENGINEERING INCLUDES TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS.

ROOF SYSTEM DESIGN:

THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBCR, & BASED ON REACTIONS, UPLIFTS, AND BEARING LOCATIONS IN TRUSS ENGINEERING SUBMITTED TO THE WIND LOAD ENGINEER. IT IS THE RESPONSIBILITY OF THE BUILDER TO CHECK ALL DETAILS OF THE COMPLETE ROOF SYSTEM DESIGN SUBMITTED BY THE TRUSS MANUFACTURER AND HAVE IT SIGNED, AND SEALED BY A DESIGN PROFESSIONAL FOR CORRECT APPLICATION OF FBCR REQUIRED LOADS AND ANY SPECIAL LOADS. THE BUILDER IS RESPONSIBLE TO REVIEW EACH INDIVIDUAL TRUSS MEMBER AND THE TRUSS ROOF SYSTEM AS A WHOLE AND TO PROVIDE RESTRAINT FOR ANY LATERAL BRACING. THE BUILDER SHOULD USE CARE CHECKING THE ROOF DESIGN BECAUSE THE WIND LOAD ENGINEER IS SPECIFICALLY NOT RESPONSIBLE FOR THE TRUSS LAYOUT WHICH WAS CREATED BY THE TRUSS MANUFACTURER AND THE TRUSS DESIGNER AS DO OWNER'S RESPONSIBILITY FOR THE LAYOUT PER NOTES ON THEIR SEALED TRUSS SHEETS.

EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS:

THIS STUD HEIGHT TABLE IS PER 2012 WFCM, TABLE 3.20(5), EXTERIOR LOAD BEARING & NON LOAD BEARING STUD LENGTHS FOR WALLS WITH OSB EXTERIOR AND 1/2" GYP INTERIOR RESISTING INTERIOR ZONE WINDLOADS, 130 MPH, EXPOSURE C, STUD DEFLECTION LIMIT H/240 (NOT OK FOR BRITTLE FINISH). STUD SPACINGS SHALL BE MULTIPLIED BY 0.9 FOR FRAMING LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING. (END ZONE EXAMPLE 18" O.C. x 0.9 = 12.8" O.C.)

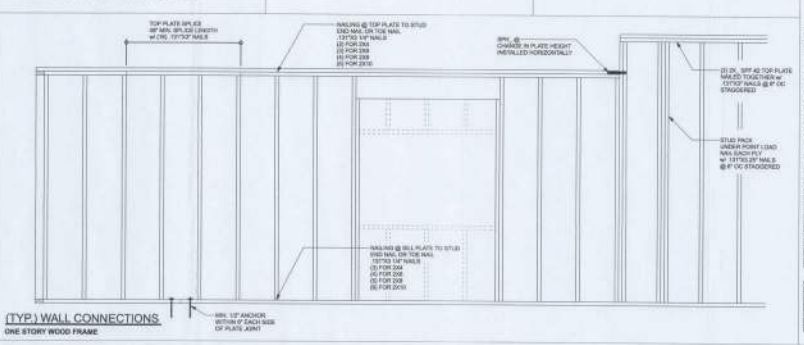
(1) 2x4 @ 16" OC	TO 10'-1" STUD HEIGHT
(1) 2x4 @ 12" OC	TO 11'-2" STUD HEIGHT
(1) 2x6 @ 16" OC	TO 15'-7" STUD HEIGHT
(1) 2x6 @ 12" OC	TO 17'-3" STUD HEIGHT

GRADE & SPECIES TABLE

		Fb	E
2x6	SP #2	925	1.4
2x10	SP #2	800	1.4
2x12	SP #2	750	1.4
GLB	24F-V3 SP	2600	1.8
LSL	TIMBERSTRAND	1700	1.7
LVL	MICROLAM	2300	2.0
PSL	PARALAM	2900	2.0

TYPICAL HEADER STRAPING @ WALK DOORS

ONE STORY WOOD FRAME w/ STRAPS & ANCHORS



(TYP.) WALL CONNECTIONS

ONE STORY WOOD FRAME

DESIGN CRITERIA & LOADS:

BUILDING CODE	6TH EDITION FLORIDA BUILDING CODE RESIDENTIAL (2020)
CODE FOR DESIGN LOADS	ASCE 7-02
WINDLOADS	
BASIC WIND SPEED (ASCE 7-02, 26.10.3(1))	130 MPH (119 MPH FOR ASCE HAZARD TOOL)
WIND EXPOSURE (BUILDER MUST FIELD VERIFY)	B (AS STATED BY BUILDER, SITE REVIEW NO PART OF THIS SEAL) FIELD VERIFY
TOPOGRAPHIC FACTOR (BUILDER MUST FIELD VERIFY)	1
RISK CATEGORY	II
ENCLOSURE CLASSIFICATION	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	0.18
ROOF ANGLE	7-45 DEGREES
MEAN ROOF HEIGHT	35 FT
C&C DESIGN PRESSURES	SEE TABLE
FLOOR LOADING	
ROOMS OTHER THAN SLEEPING ROOM	40 PSF LIVE LOAD
ROOF LOADING	
4:12 TO > 12:12	16 PSF (LIVE LOAD)
SOIL BEARING CAPACITY	1500 PSF
FLOOD ZONE	THIS BUILDING IS NOT IN THE FLOOD ZONE

COMPONENT & CLADING DESIGN PRESSURES 130 MPH (EXP B)

EFFECTIVE WIND AREA (FT2)	ZONE 5 INTERIOR	ZONE 5 END 4' FROM ALL OUTSIDE CORNER
0 - 20	+15.5(Ext0) -16.8(Ext0)	+15.5(Ext0) -22.0(Ext0)
0 - 50	+25.8(Ext0) -28.1(Ext0)	+25.8(Ext0) -34.7(Ext0)

THOMAS SCHMIDT

HINES & DICKSON RES.

PROJECT ADDRESS:
836 SE ROSEWOOD CIR
LAKE CITY, FL

Mark Disosway FL PE 53615

MARK DISOSWAY LICENSE No. 53615 STATE OF FLORIDA PROFESSIONAL ENGINEER
10/17/2026

DIMENSIONS:
Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disosway P.E. for resolution. Do not proceed without clarification.

COPYRIGHTS AND PROPRIETY RIGHTS:
Mark Disosway, P.E. hereby expressly reserves its common law copyrights and property right in these instruments of service. This document is not to be reproduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disosway.

CERTIFICATION: I hereby certify that I have examined the plan, and that the applicable portions of the plan, relating to wind engineering comply with the 6th Edition Florida Building Code Residential (2020) to the best of my knowledge.

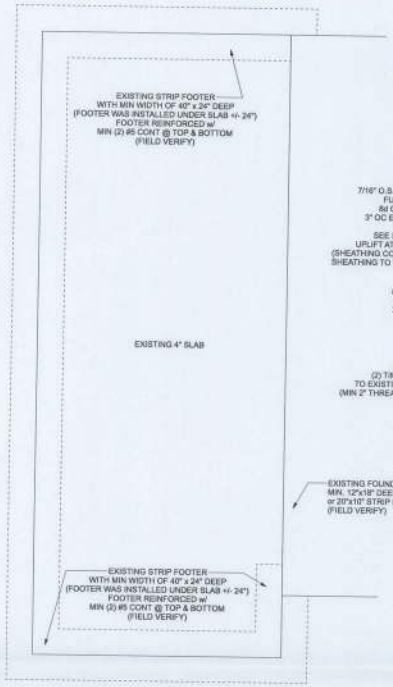
LIMITATION: This design is valid for one building, at specified location.

Mark Disosway P.E.
163 SW Midtown Place
Suite 103
Lake City, Florida 32025
386.754.5419
disoswaydesign@gmail.com

JOB NUMBER:
250490

S-1

OF 3 SHEETS



FOUNDATION PLAN

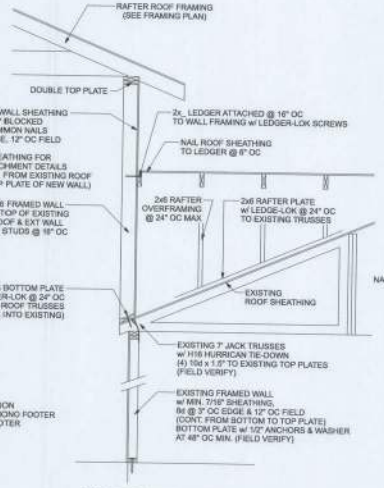
SCALE: 1/4" = 1'-0"

FOUNDATION NOTES	
FN - 1	DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS. RECESSES IN SLAB, STEP DOWNS, ETC. DIXIDWAY DESIGN GROUP OR MARK DIXIDWAY, PE IS NOT RESPONSIBLE FOR DIMENSION ERRORS ON THIS PLAN.
FN - 2	CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING ON ALL AREAS BY REVIEWING THE ROOF TRUSS PLAN (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN.
FN - 3	THE SLAB SHALL BE: 4" CONCRETE SLAB REINFORCED w/ 6X6-1.4/1.4 WELDED WIRE MESH PLACED ON CHAIRS @ 1 1/2" DEPTH ON FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER w/ 9" LAPS SEALED w/ POLY TAPE OVER TERMITE-TREATED & COMPACTED FILL (ALSO, ANY OTHER CODE APPROVED TERMITE-TREATMENT METHOD CAN BE USED INSTEAD)

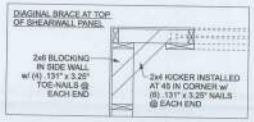
BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL

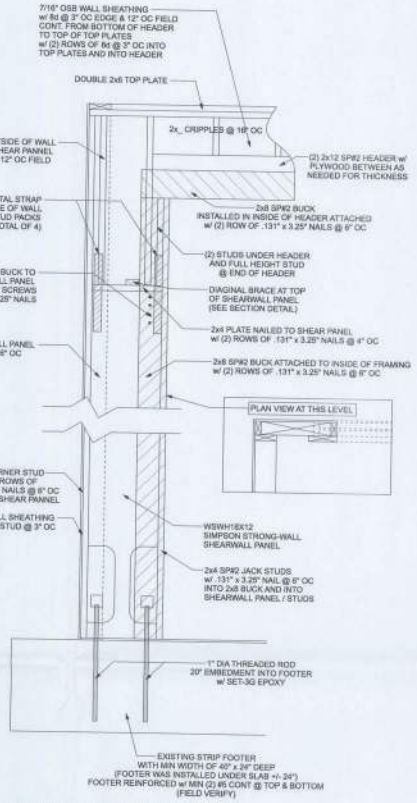
MASONRY NOTE:
MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TMS 602). THE CONTRACTOR AND MASON MUST IMMEDIATELY, BEFORE PROCEEDING, NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN ACI 530.1-02 AND THESE DESIGN DRAWINGS. ANY EXCEPTIONS TO ACI 530.1-02 MUST BE APPROVED BY THE ENGINEER IN WRITING.

	ACI530.1-02 Section	Specific Requirements
1.4A	Compressive strength	8" block bearing walls f'm = 1000 psi
2.1	Mortar	ASTM C 270, Type N, UNO
2.2	Grout	ASTM C 476, admixtures require approval
2.3	CMU standard	ASTM C 90-02, Normal weight, hollow, medium surface finish, 8"x8"x16" running bond and 12"x12" or 16"x16" corner block
2.3	Clay brick standard	ASTM C 216-02, Grade SW, Type FBS, 8.0"x2.75"x11.5"
2.4	Reinforcing bars, #3 - #11	ASTM 615, Grade 40, Fy = 40 ksi, Lap splices min 48 bar dia. (28" for #5)
2.4F	Coating for corrosion protection	Anchors, shear metal ties completely embedded in mortar or grout, ASTM A525, Class G85, 0.60 oz/ft2 or 304SS
2.4F	Coating for corrosion protection	Joint reinforcement in walls exposed to riveting or wire ties, anchors, shear metal ties not completely embedded in mortar or grout, ASTM A153, Class B2, 1.50 oz/ft2 or 304SS
3.3.E.2	Pipes, conduits, and accessories	Any not shown on the project drawings require engineering approval.
3.3.E.7	Movement joints	Contractor assumes responsibility for type and location of movement joints if not detailed on project drawings.

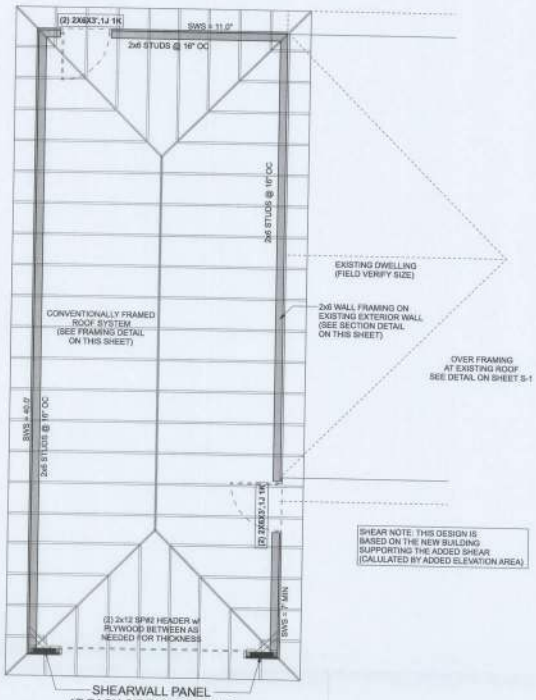


WALL FRAMING DETAIL AT EXISTING WALL VIEW SECTION





SHEAR WALL @ GARAGE DOOR (INSIDE VIEW) TYPICAL BOTHS SIDES



SHEAR NOTE: THIS DESIGN IS BASED ON THE NEW BUILDING SUPPORTING THE ADDED SHEAR (CALULATED BY ADDED ELEVATION AREA)

STRUCTURAL PLAN

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

ACTUAL vs REQUIRED SHEARWALL	TRANSVERSE	LONGITUDINAL
ACTUAL	8730 LBF	18612 LBF
REQUIRED	3943 LBF	2725 LBF

STRUCTURAL PLAN NOTES

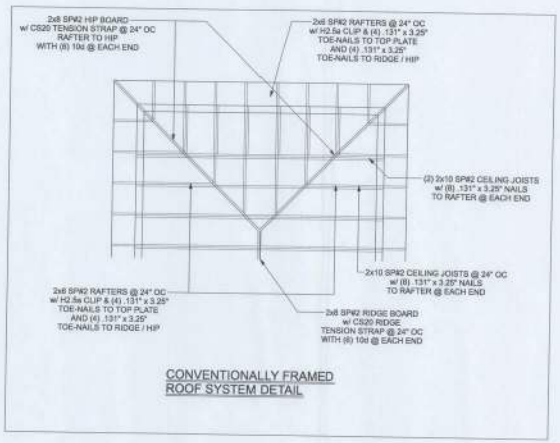
SN-1 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS

SN-2 PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. LATERAL BRACING IS TO BE RESTRAINED PER BCSI1-03, BCSI-B1, BCSI-B2, & BCSI-B3. BCSI-B1, BCSI-B2, & BCSI-B3 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

HEADER LEGEND

(2) 2X6X6', 1J 1K — HEADER/BEAM CALL-OUT (U.N.O.)
- NUMBER OF KING STUDS EACH SIDE OF OPENING (FULL LENGTH)
- NUMBER OF JACK STUDS EACH SIDE OF OPENING (UNDER HEADER)
- SPAN OF HEADER
- SIZE OF HEADER MATERIAL
- NUMBER OF PLIES IN HEADER

UNLESS NOTED OTHERWISE (MINIMUM REQUIERMENTS) ***SEE STRUCTURAL PLAN FOR ANY SPECIFIC CALL OUTS***	
BEAM / HEADERS (SIZE)	ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X6 SP #2 (UNO)
HEADERS (JACK & KING STUDS)	ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (UNO)
HEADERS (STRAPING)	ALL HEADERS w/ UPLIFT TO BE STRAPPED OR SCREWED DOWN w/ MIN. OPTION #1 OR OPTION #3 (SEE DETAIL ON SHEET S-1) (U.N.O.) 1/2" X 10" ANCHOR BOLT w/ 3" X 3" X 1/4" WASHER MUST BE LOCATED WITHIN 6" OF KING STUD @ ALL DOOR LOCATIONS (U.N.O.)
JACK STUDS UNDER GIRDER TRUSS	USE ONE JACK STUD GIRDER SUPPORT PER 2000 LB LOAD



CONVENTIONALLY FRAMED ROOF SYSTEM DETAIL

THOMAS SCHMIDT

Mark Di
163 SW N
Su
Lake City,
386.
disoswayde

JOB N
25
S
OF 3