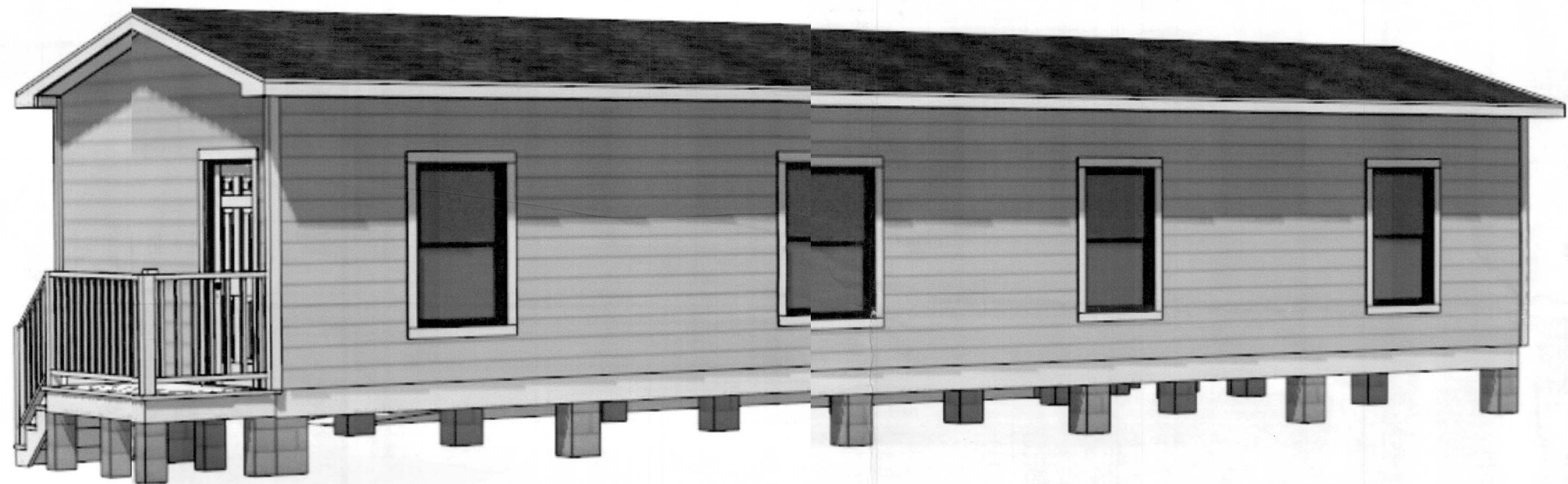


A CLASSROOM BUILDING FOR:

# Covenant School

PROJECT ADDRESS:

2019 SW Main Blvd  
Lake City, FL 32025



DESIGN DATA / BUILDING CODES:

OCCUPANCY CLASSIFICATION: CLASSROOM	
MAXIMUM OCCUPANCY: N/A	
MEANS OF EGRESS CAPACITY: 150 PER 3/0 DOOR. MAX TRAVEL DISTANCE: < 125'	
TYPE OF CONSTRUCTION: TYPE V, UNPROTECTED, UNSPRINKLERED	
PROPOSED AREA: 800 FT2 TOTAL CONDITIONED SPACE	
PROPOSED HEIGHT: 1 STORY	
BUILDING IS NOT IN A FLOOD ZONE	
BUILDING IS NOT IN THE HIGH VELOCITY HURRICANE ZONE	
BUILDING IS NOT IN THE WIND-BORNE DEBRIS REGION	
SCOPE OF WORK HAS BEEN DESIGNED AND SHALL BE CONSTRUCTED WITH THESE APPLICABLE CODES:	
Florida Building Code, Building (FBC-B)	2020 (7th Edition)
Florida Building Code, Mechanical (FBC-M)	2020 (7th Edition)
Florida Building Code, Fuel Gas (FBC-FG)	2020 (7th Edition)
Florida Building Code, Plumbing (FBC-P)	2020 (7th Edition)
Florida Building Code, Existing Building (FBC-EB)	2020 (7th Edition)
Florida Fire Prevention Code (FFPC)	Latest Edition
National Electrical Code (NEC)	2017 Edition
PER FLORIDA BUILDING CODE 2020, SECTION 1609.2 (FOR ENCLOSED SIMPLE DIAPHRAGM BUILDINGS WITH FLAT, HIPPED AND GABLE-SHAPED ROOFS HAVING A MEAN ROOF HEIGHT NOT EXCEEDING THE LEAST HORIZONTAL DIMENSION OF THE BUILDING OR 60 FT; NOT SITED ON THE UPPER HALF OF A HILL OR ESCARPMENT 60FT IN EXPOSURE B, 30FT IN EXPOSURE C AND >10% SLOPE AND UNOBSTRUCTED UPWIND FOR 50x HEIGHT OR 1 MILE WHICHEVER IS LESS.)	

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

REVISIONS

July 01, 2022

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

WMLC-MJ

A CLASSROOM BUILDING FOR:  
**Covenant School**  
PROJECT ADDRESS: 2019 SW Main Blvd, Lake City, FL 32025

AR0007005



NICHOLAS  
PAUL  
GEISLER  
ARCHITECT  
N.C.A.R.B. Certified

1758 NW Brown Rd.  
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(386) 365-4355

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ASSOCIATES, INC.  
428 SW COMMERCE DR., STE 130  
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(386) 758-8406  
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JOB NUMBER  
20220628

DATE:  
July 01, 2022

SHEET NUMBER  
**COVER**







LIFE SAFETY - IT IS CONTRACTOR / OWNER'S RESPONSIBILITY TO REQUEST LIFE SAFETY REVIEW BY THE FIRE MARSHAL. ALL LIFE SAFETY REQUIREMENTS ARE TO BE AS SPECIFIED BY THE FIRE MARSHAL. EMERGENCY LIGHTING AND EXIT SIGNS SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHAL AND SHALL BE WIRED PER NEC 700-12F. EMERGENCY LIGHTING AND EXIT SIGN LOCATIONS SHOWN ON THE PLANS ARE SUGGESTIONS ONLY.



NOTE: ALL WALLS SHALL BE 9'-0" UNLESS OTHERWISE NOTED.

## A.1



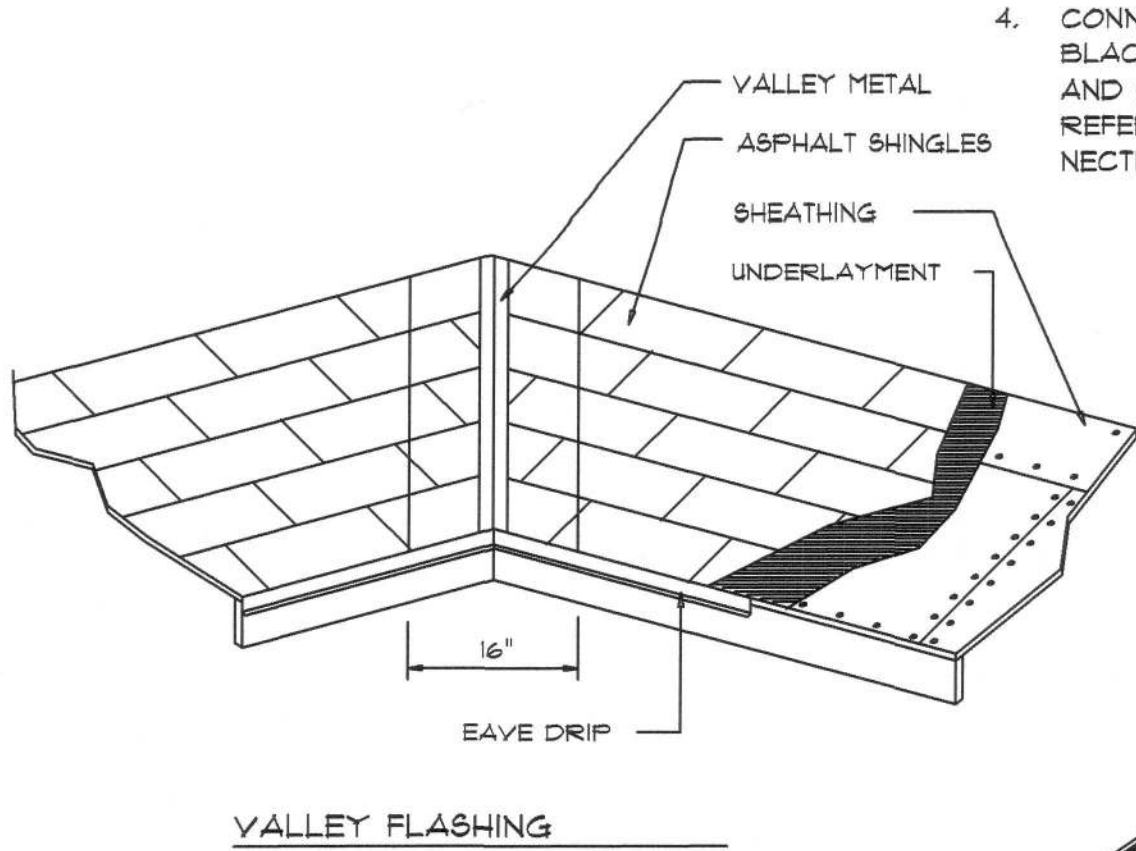
ROOF PLAN NOTES

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

NOTE:  
SHEATH ROOF W/ 1/2" CDX PLYWOOD PLACED W/ LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES, SECURE TO FRAMING W/ 8d NAILS - AS PER DETAIL ON SHEET SD.4

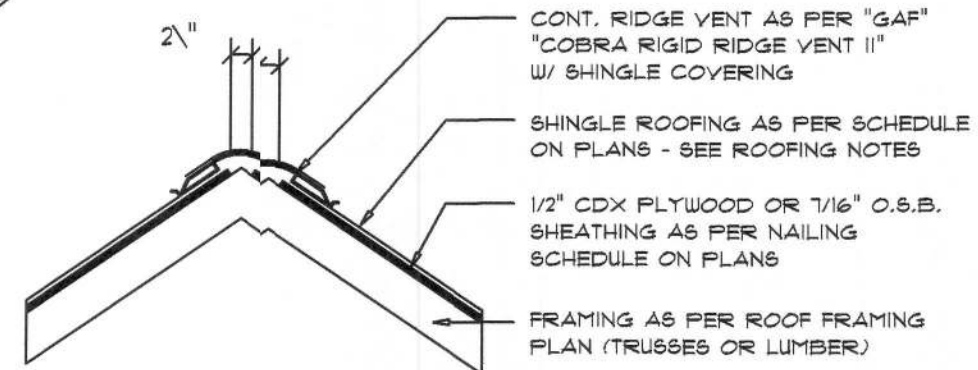
NOTE:  
THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER 2020 FBC (1TH EDITION) AND LOCAL JURISDICTION REQUIREMENTS

NOTE:  
ALL PENETRATIONS OF THE TOP PLATE OF ALL LOAD BEARING WALLS SHALL BE SEALED WITH FIRE RETARDANT CAULKING, INCLUDING WIRING, PLUMBING OR OTHER SUCH PENETRATIONS. WALLS OVER 8'-0" TALL SHALL HAVE CONTINUOUS BLOCKING TO LIMIT CAVITY HEIGHT TO 8'-0". PENETRATIONS THROUGH SUCH BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES, NOTED ABOVE



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 CONNECTIONS.

AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1800 SF	24 LF	480 SQ.IN.
2000 SF	28 LF	570 SQ.IN.
2500 SF	32 LF	680 SQ.IN.
2800 SF	36 LF	780 SQ.IN.
3100 SF	40 LF	880 SQ.IN.
3600 SF	44 LF	990 SQ.IN.



MIAMI/DADE PRODUCT, INC. APPROVAL REPORT: PSB-0713.05

Ridge Vent DETAIL

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

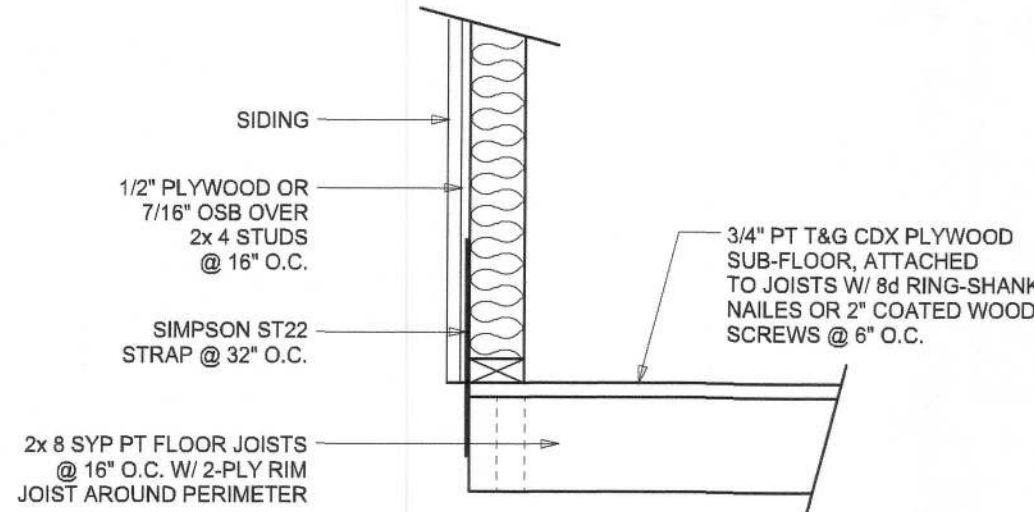
B

AUGER ANCHOR NOTES:

- OT3644BIMP = 5/8"x 36" (36" min. EMBED)  
GLAVANIZED AUGER REPORT NO. RAD-3080  
OT175WB-SIDEWALL BRACKET FOR USE WITH THRU-BOLTS REPORT NO. LO-FJ90129-A -OR-
- OT245WB-SIDEWALL BRACKET FOR USE WITH THRU-BOLTS, REPORT NO. LO-FJ90129-B.
- WORKING LOAD FOR ANCHOR SYSTEM IS 3,150 LBS. WITH THE MAX. LOAD OF 4,725 LBS.

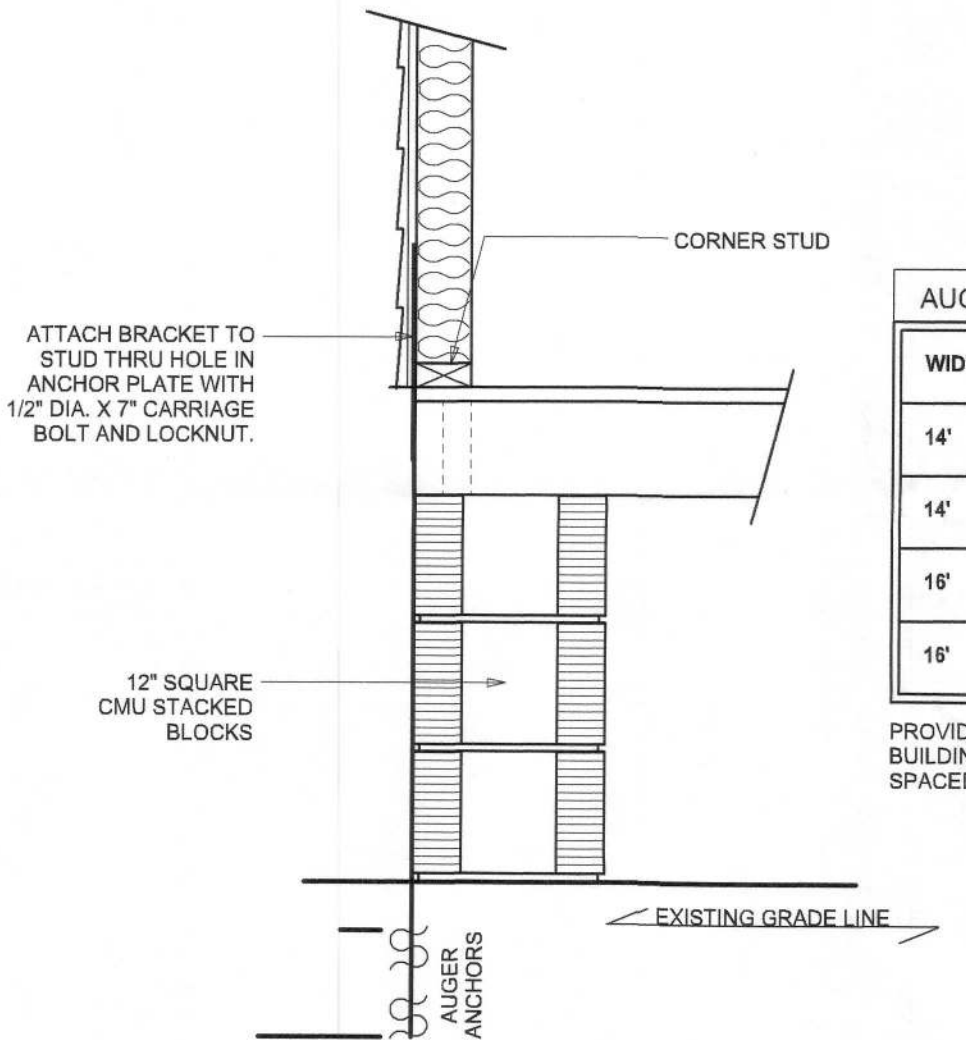
SHED FOUNDATION (WOOD):

- 3/4" APA OR T&G RATED T & G FLOOR DECKING. 24" MAX PANEL SPAN. STAGGER PANEL LAYOUT.
- FASTEN FLOOR DECKING TO JOISTS W/ #2 X 1 1/8" ZINC PLATED SCREWS @ 8" O.C. (BLOCKING REQUIRED) ALL EDGE SHALL LIE ON FLOOR JOISTS.
- FASTEN SOLE PLATE THROUGH FLOOR DECKING INTO JOISTS WITH (2) #12-14 X 3" DECK SCREWS @ 12" O.C. CONTINUOUSLY SUPPORTED FOR 60 PSF ON BLOCKING.
- USE OPTIONAL CONCRETE BLOCKS AS REQUIRED TO LEVEL STRUCTURE. (SUGGESTED SIZES: 2'x 8'x 16", OR 8'x 8'x 16" BLOCKS UNDER JOISTS, SPACED 7'-0" O.C. MAX)



WOOD FLOOR DETAIL

SCALE: 1" = 1'-0"



AUGER ANCHOR DETAIL

SCALE: 1" = 1'-0"

WIDTH	LENGTH	# OF ANCHORS
14'	14'-20'	4 ANCHORS
14'	20'-24'	6 ANCHORS
16'	16'-18'	4 ANCHORS
16'	20'-24'	6 ANCHORS

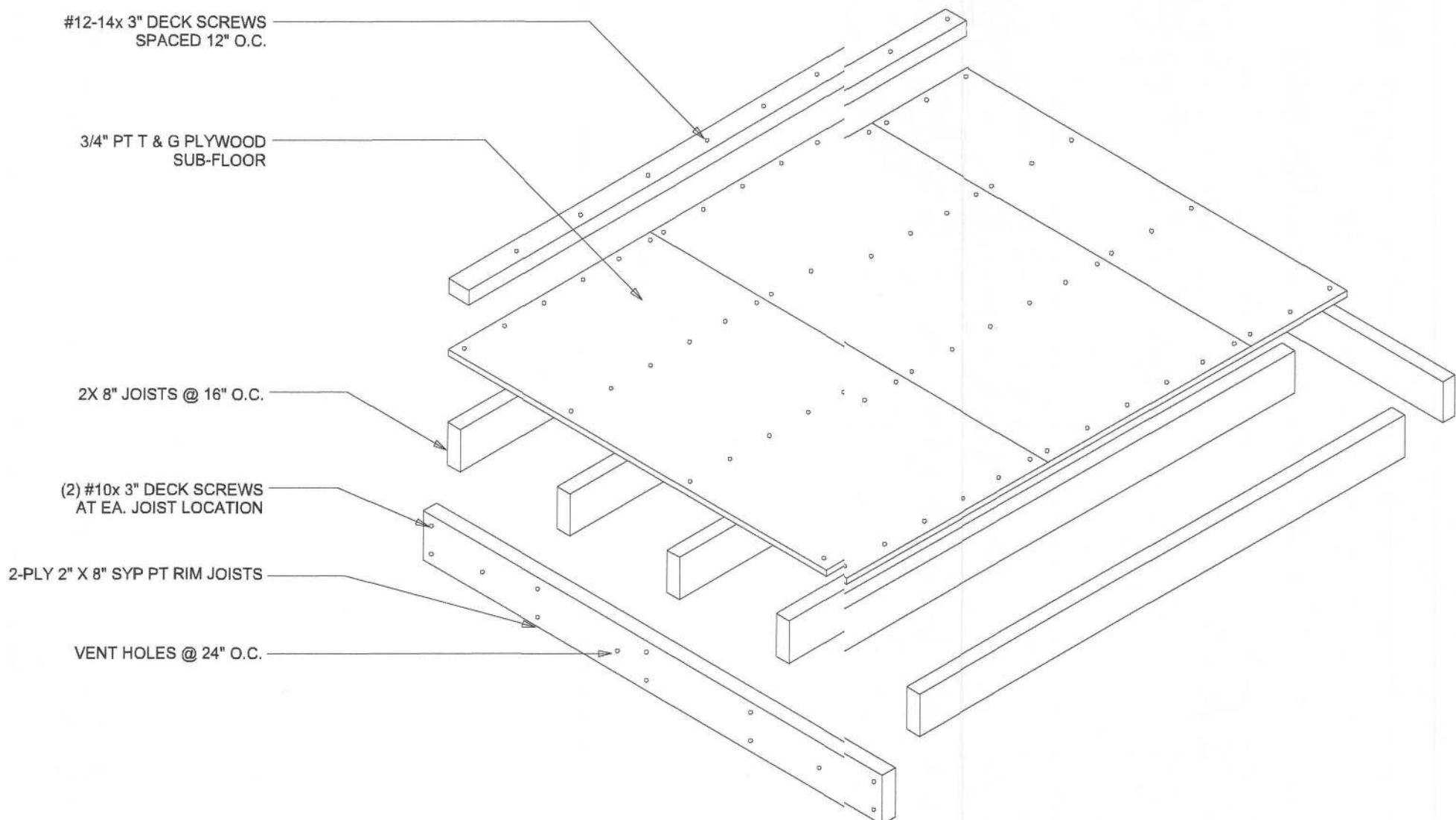
PROVIDE (1) ANCHOR AT EACH CORNER OF BUILDING AND REMAINING ANCHORS SPACED EQUALLY ALONG SIDEWALLS.

ROOFING METALS for FLASHING/ROOFING			
MINIMUM THICKNESS REQUIREMENTS			
MATERIAL	MINIMUM THICKNESS (in.)	GAGE	WEIGHT (OZ.)
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0119	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40

Roofing/Flashing DETS.

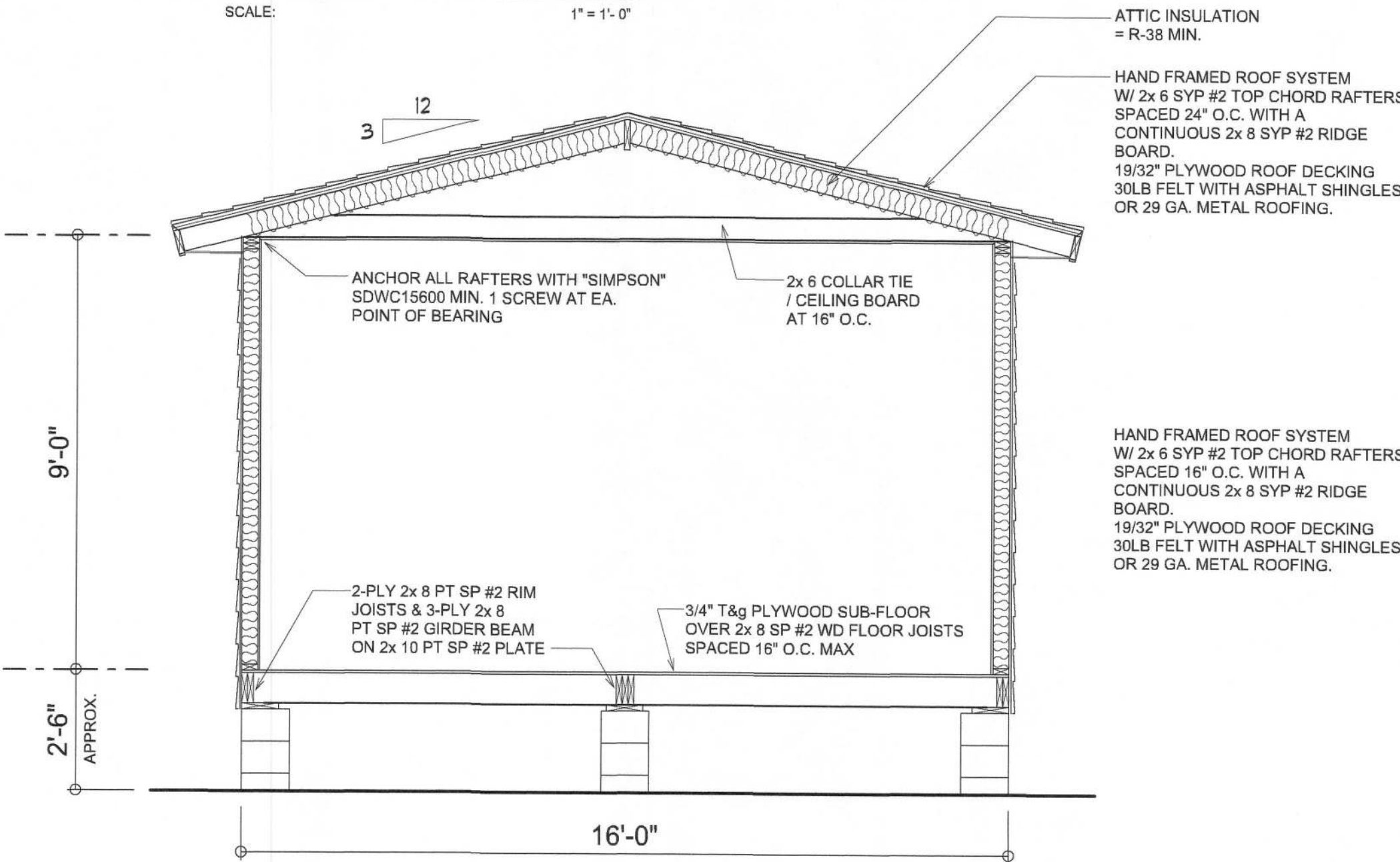
SCALE: NONE

A



CLASSROOM BASE DETAIL

SCALE: NO SCALE



FULL BUILDING SECTION 'A'

SCALE: 3/8" = 1'-0"

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

REVISIONS
July 05, 2022

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

Wm C. M.

A CLASSROOM BUILDING FOR:  
**Covenant School**  
PROJECT ADDRESS: 2019 SW Main Blvd, Lake City, FL 32025

AR0007005

NICHOLAS PAUL GEISLER ARCHITECT  
N.C.A.A.R.B. Certified  
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W

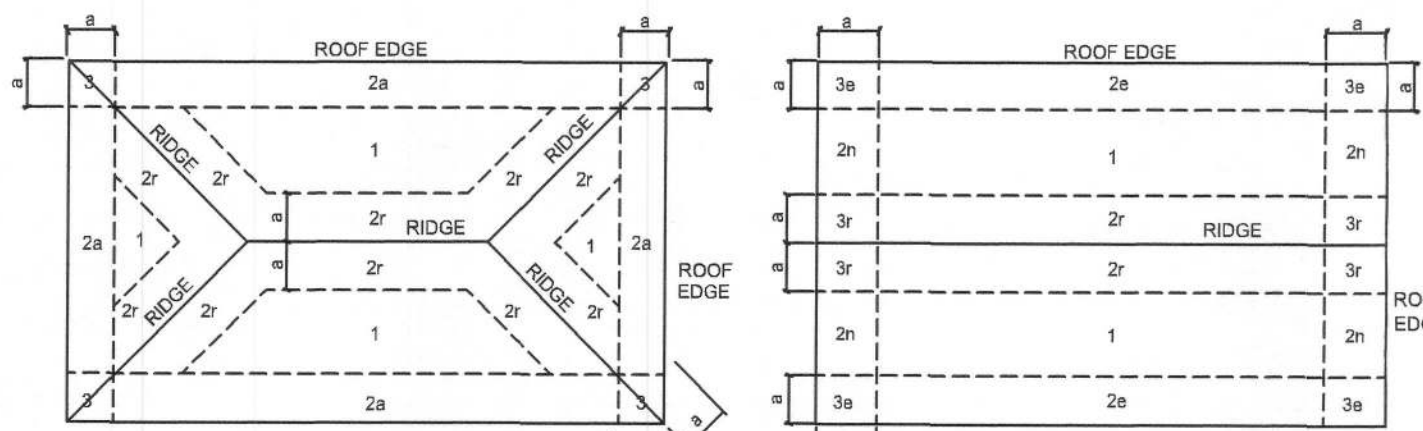
JOB NUMBER  
20220628  
DATE:  
July 15, 2022

SHEET NUMBER  
A.2



ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	7/16" O.S.B. OR 1932 CDX PLYWOOD	10d RING SHANK	6 in. o.c. EDGE 6 in. o.c. FIELD
2			4 in. o.c. EDGE 6 in. o.c. FIELD
3			4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING			
BLDG HEIGHT (ft)	POSSURE "B"	EXPOSURE "C"	EXPOSURE "D"
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

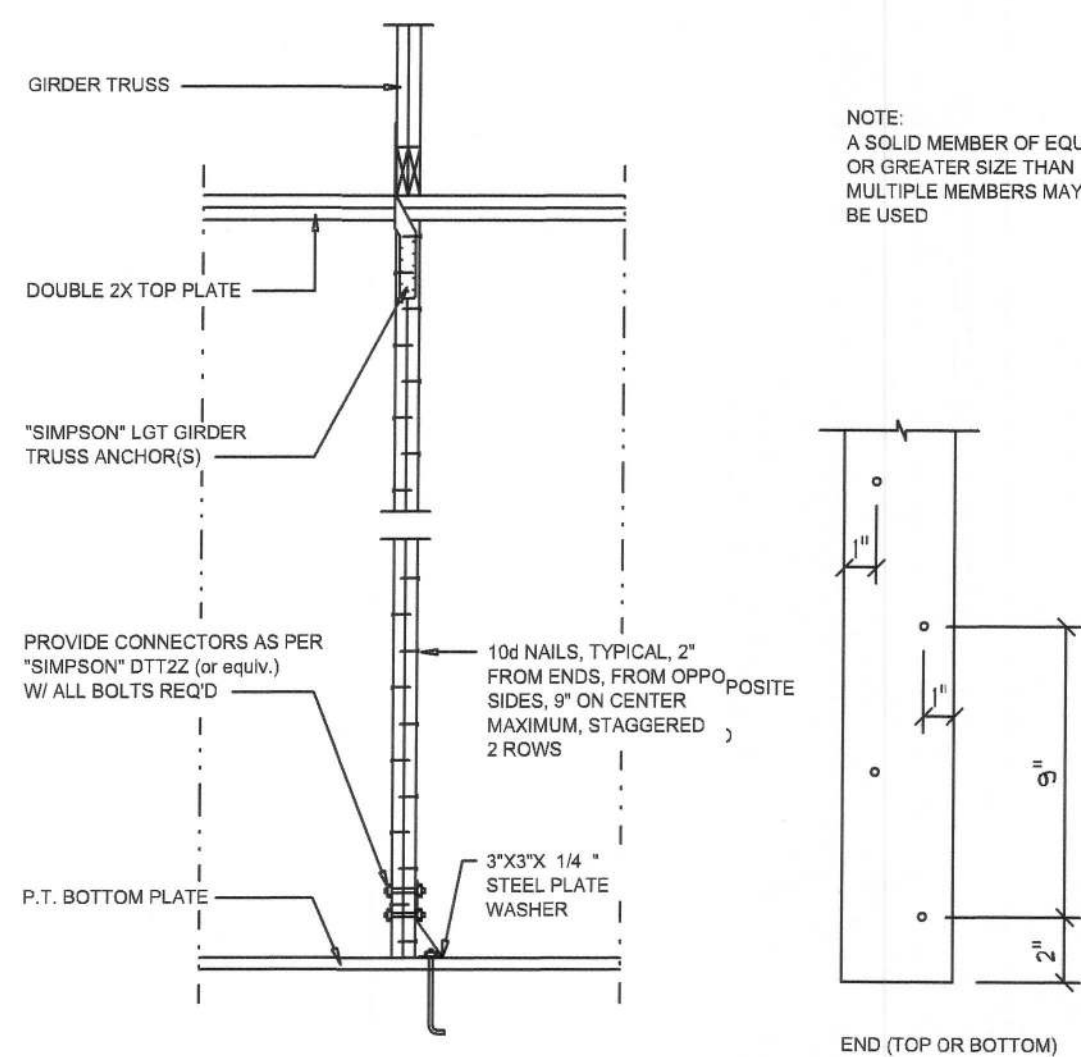


ROOF SHEATHING NAILING ZONES  
(HIP ROOF)

ROOF SHEATHING NAILING ZONES  
(GABLE ROOF)

"WindSTORM" ALT. SHEATHING METHOD:  
ALTERNATIVE METHOD FOR ANCHORING THE TOP WALL PLATE TO THE FOUNDATION IN LIEU OF THE SPI/SP2 OR SP4 STRIPS INDICATED IN THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT SHALL ALLOWED AS FOLLOWS:  
1. 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 @ 8" O.C. OR 8d COMMONS @ 8" O.C.

Alternate "Titan" bolt concrete anchor system  
ANCHOR 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"

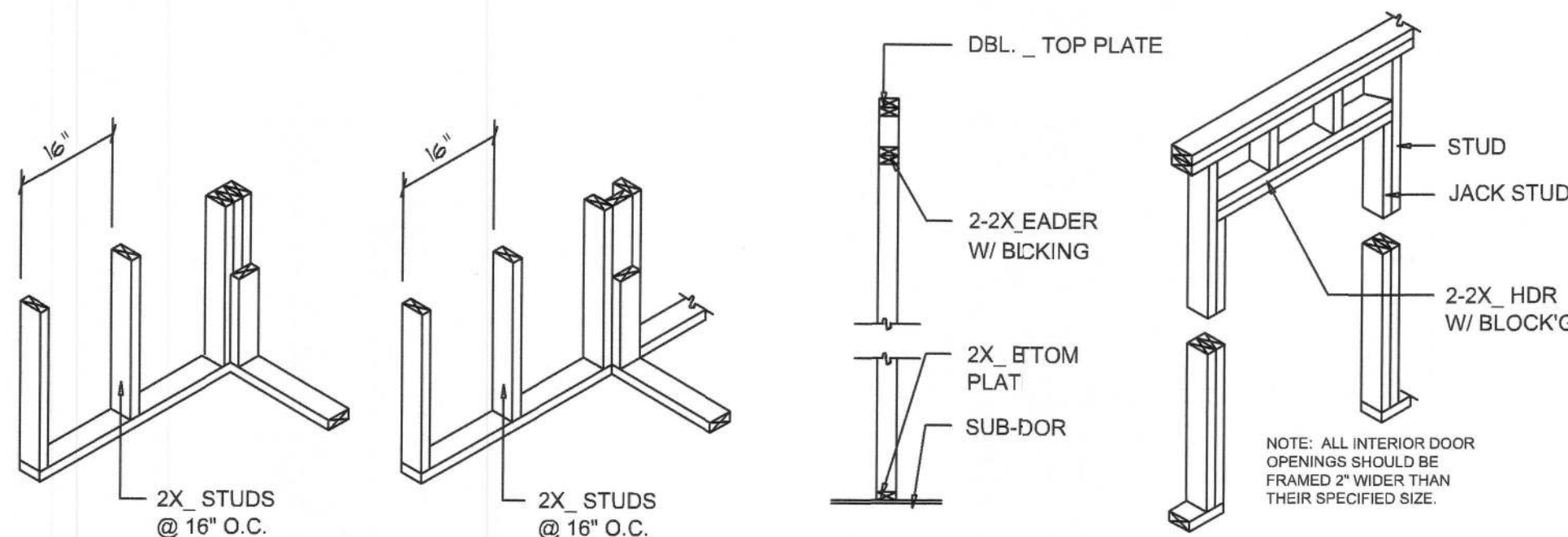
## Roof Nail Pattern DET.

SCALE: NONE

HEADER SPANS FOR EXTERIOR BEARING WALLS					
HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT)			
		20'	28'	3	
ROOF, CEILING	2-2x4	3'-6"	1	3'-2"	1
	2-2x6	5'-5"	1	4'-8"	1
	2-2x8	6'-10"	1	5'-11"	2
	2-2x10	8'-5"	2	7'-3"	2
	2-2x12	9'-9"	2	8'-5"	2
	3-2x8	8'-4"	1	7'-5"	1
	3-2x10	10'-6"	1	9'-1"	2
	3-2x12	12'-2"	2	10'-7"	2
	4-2x8	9'-2"	1	8'-4"	1
	4-2x10	11'-8"	1	10'-6"	1
	4-2x12	14'-1"	1	12'-2"	2

- SHEARWALL NOTES:**
- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY SDP 10/97 SBC03-305.4.3.
  - THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS.
  - ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURRING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
  - 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 SIX TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 FOR 8'-0" WALLS (2'-3").

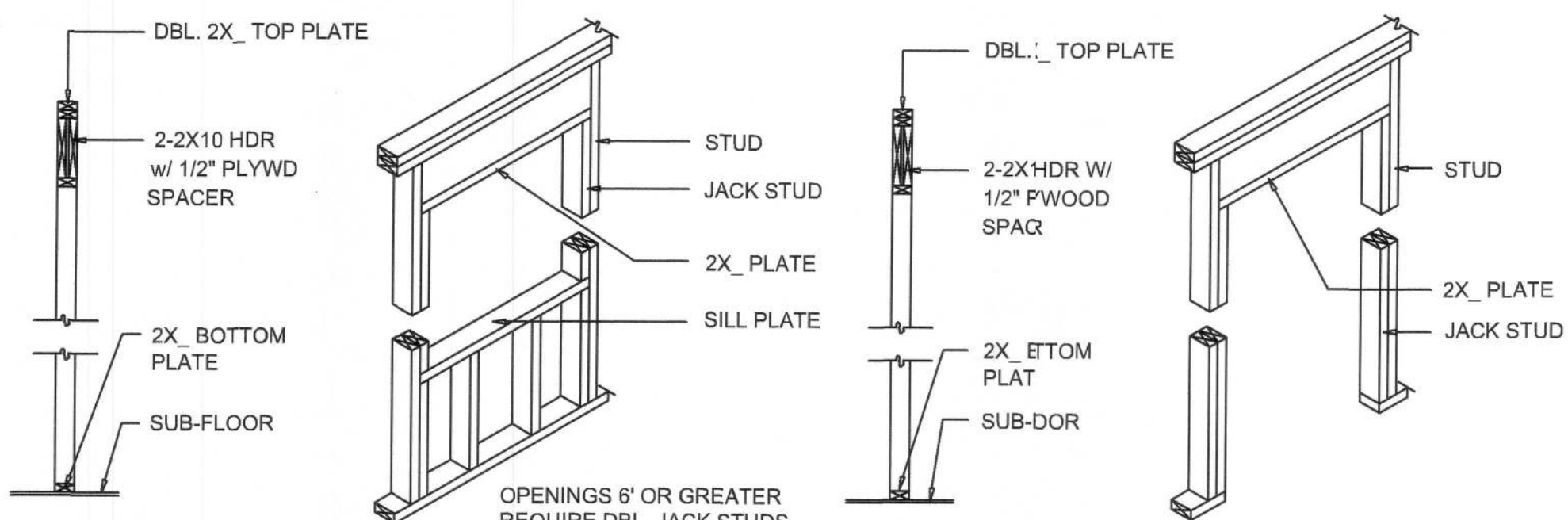
OPENING WIDTH	SILL PLATES	16d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
> 6' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3



WALL CORNER

WALL INTERSECTION

NON-BEARING WALL HEADER

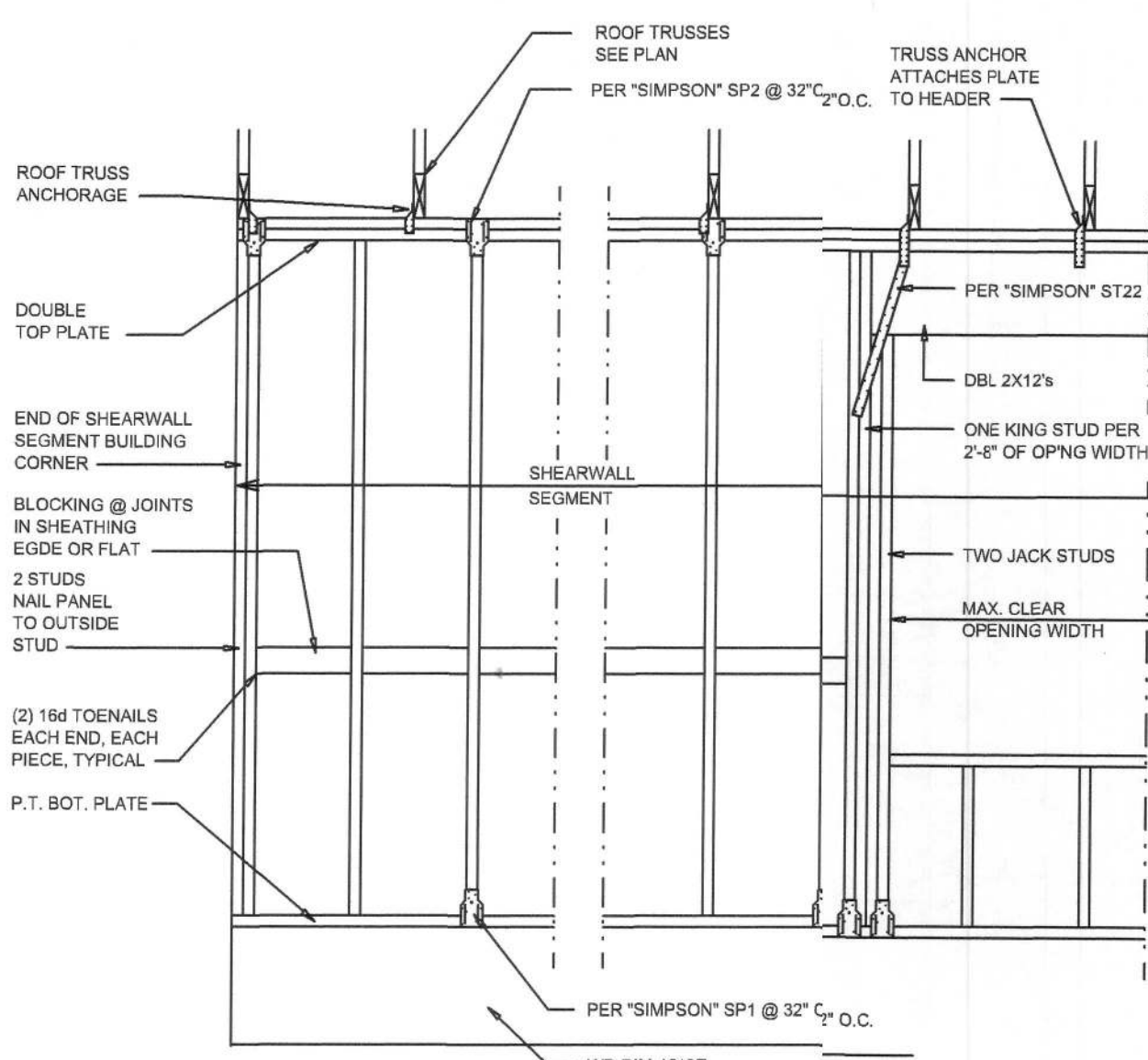


TYPICAL WINDOW HEADER

BEARING WALL HEADER

## Wall Framing/Header DETAILS

SCALE: NONE



## Shear Wall DETAILS

SCALE: NONE

## 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#
HEADER TO KING STUD(S):	SIMPSON ST22	1370#
PLATE TO STUD:	SIMPSON SP2	1065#
STUD TO SILL:	SIMPSON SP1	585#
PORCH BEAM TO POST:	SIMPSON PC44/EPC44	1700#
PORCH POST TO FND.:	SIMPSON ABL44	2200#
MISC. JOINTS	SIMPSON A34	315#/240#

NOTE:  
ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.  
NOTE:  
REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/ JOINT REINFORCEMENT AND FASTENERS.  
NOTE:  
ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON A34 FRAMING ANCHORS, TYPICAL T.O.  
NOTE:  
"SEMCO" PRODUCT APPROVAL:  
MIAMI/DADE COUNTY REPORT #95-0818.15  
NOTE:  
"SIMPSON" PRODUCT APPROVALS:  
MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04  
SBC01 NER-443, NER-393

## FIREBLOCKING NOTES:

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

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

## FLORIDA BUILDING CODE

### Compliance Summary

#### TYPE OF CONSTRUCTION

Roof: Gable OR Hip Construction, 2x 8 SYP wood rafters @ 24" O.C.  
Walls: 2x 4 Wood Studs @ 16" O.C.  
Floor: 3/4" PT T&G PLYWOOD OVER 2x 8 PT SYP #2 WOOD FLOOR SYSTEM  
Foundation: Embedded posts at porch. Auger anchors around perimeter of structure

#### ROOF DECKING

Material: 1932" CDX Plywood or 7/16" O.S.B.  
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing  
Fasteners: 10d ring-shank nails per schedule, this page

#### SHEARWALLS

Material: 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 & 6" O.C. Interior  
Dragstrut: Double Top Plate (S.Y.P.) W/16d Nails @ 12" O.C.  
Wall Studs: 2x4 Wood Studs @ 16" O.C.

#### HURRICANE UPLIFT CONNECTORS

Truss Anchors: SIMPSON MTS12 AT EACH END OF EACH RAFTER  
Wall Tension: Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. Top & Bot.  
Anchor Bolts: N/A  
Corner Hold-down Device: N/A  
Porch Column Base Connector:  
Porch Column to Beam Connector:

#### FOOTINGS AND FOUNDATIONS

Footings: Auger anchors around perimeter of structure on 12" square CMU blocks

#### STRUCTURAL DESIGN CRITERIA:

- THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE (7TH EDITION) AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.
- WIND LOAD CRITERIA: RISK CATEGORY: 2, EXPOSURE: "C"  
BASED ON ANSI/ASCE 7-10, 2020 FBC 1609-A WIND VELOCITY:  $V_{50} = 130$  MPH  
 $V_{50} = 101$  MPH
- ROOF DESIGN LOADS:  
SUPERIMPOSED DEAD LOADS: 20 PSF  
SUPERIMPOSED LIVE LOADS: 20 PSF
- FLOOR DESIGN LOADS:  
SUPERIMPOSED DEAD LOADS: 25 PSF  
SUPERIMPOSED LIVE LOADS: 40 PSF  
RESIDENTIAL BALCONIES: 60 PSF
- WIND NET UPLIFT: ARE AS INDICATED ON PLANS

## General Roofing NOTES:

DECK REQUIREMENTS:  
ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

SLOPE:  
ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER. FOR ROOF SLOPES FROM 2:12 TO 4:12, DBL. UNDERLAYMENT IS REQUIRED.

UNDERLAYMENT:  
UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM W/ ASTM D 226, TYPE 1, OR ASTM D 4869, TYPE 1.

SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:  
SELF ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY W/ ASTM D 1970.

ASPHALT SHINGLES:  
ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 225 OR ASTM D 3462.

FASTENERS:  
FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 12 GAUGE SHANK WITH A MINIMUM 3/8 INCH DIAMETER HEAD, OF A LENGTH TO PENETRATE THROUGH THE ROOFING MATERIAL AND A MINIMUM 3/4" INTO THE ROOF SHEATHING. WHERE THE SHEATHING IS LESS THAN 3/4" THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING.

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

UNDERLAYMENT APPLICATION:  
FOR ROOF SLOPES FORM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:  
1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL 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 PLYS OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.  
3. FOR CLOSED VALLEYS VALLEY LINING SHALL BE ONE OF THE FOLLOWING:  
1. BOTH TYPES 1 AND 2 ABOVE, COMBINED.  
2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.  
3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 1970.

NOTE !!!  
ROOF SHINGLES SHALL BE AS MANUFACTURED BY "TAMKO (or equiv.) 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

BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" ROOF ANGLE 21° TO 45°									
ZONE	AREA	Vult 115 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MPH				
		Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
1	10	10.2	-28.3	11.1	-29.1	15	-26	15.1	-26.1
1	20	10.2	-28.3	11.1	-29.1	20	-25	15.1	-26.1
1	30	10	-15	10	-15.3	10	-22	15.1	-26.1
1	100	10	-12.7	10	-13.5	10	-19.2	15	-19.8
2	10	10.2	-28.3	11.1	-29.1	15	-26	15.1	-26.1
2	20	10	-15.1	10	-15.9	11.3	-24.4	15.1	-26.1
2	30	10	-11.9	10	-12.9	10	-18.1	15.1	-26.1
2	100	10	-11.9	10	-12.9	10	-15.1	15	-15.4
3	10	10.2	-28.3	11.1	-29.1	15	-26	15.1	-26.1
3	20	10	-15.1	10	-15.9	11.3	-24.4	15.1	-26.1
3	30	10	-11.9	10	-12.9	10	-18.1	15.1	-26.1
3	100	10	-11.9	10	-12.9	10	-15.1	15	-15.4
4	10	10.2	-28.3	11.1	-29.1	15	-26	15.1	-26.1
4	20	10	-15.1	10	-15.9	11.3	-24.4	15.1	-26.1
4	30	10	-11.9	10	-12.9	10	-18.1	15.1	-26.1
4	100	10	-11.9	10	-12.9	10	-15.1	15	-15.4
5	10	10.2	-28.3	11.1	-29.1	15	-26	15.1	-26.1
5	20	10	-15.1	10	-15.9	11.3	-24.4	15.1	-26.1
5	30	10	-11.9	10	-12.9	10	-18.1	15.1	-26.1
5	100	10	-11.9	10	-12.9	10	-15.1	15	-15.4
6	10	10.2	-28.3	11.1	-29.1	15	-26	15.1	-26.1
6	20	10	-15.1	10	-15.9	11.3	-24.4	15.1	-26.1
6	30	10	-11.9	10	-12.9	10	-18.1	15.1	-26.1
6	100	10	-11.9	10	-12.9	10	-15.1	15	-15.4

REVISIONS	DATE
July 01, 2022	

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

Will C. Smith

A CLASSROOM BUILDING FOR:  
**Covenant School**  
PROJECT ADDRESS: 2019 SW Main Blvd, Lake City, FL 32025

AR0007005

NICHOLAS PAUL GEISLER ARCHITECT  
N.C.A.R.B. Certified  
1758 NW Brown Rd.  
Lake City, FL 32025  
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JCNT VENTURED WITH

WM DESIGN & ASSOCIATES, INC.  
428 3rd COMMERCIAL DR., STE 130  
LAKE CITY, FL 32025  
(386) 758-8406  
will@willmyers.net

W

JOB NUMBER  
**20220628**  
DATE:  
July 01, 2022

SHEET NUMBER  
**A.3**

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