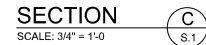




NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS



SECTION B
SCALE: 3/4" = 1'-0" S.1



1. DESIGN SOIL BEARING PRESSURE : 1000 PSF.
2. EXPANSIVE SOILS WHERE DIRECTED BY THE SOIL'S ENGINEER, SOIL AUGMENTATION PER THE SOIL'S ENGINEERING SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS . TESTS AS SPICULATED SHALL BE PROVIDED TO VERIFY THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
3. CLEAN SAND FILL OVER STIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS. BOTH SUB-SOIL AND FILL COMPACTION SHALL NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING AREA, OR FRACTON THEREOF, FOR EACH 12" LIFT.
4. REINFORCING STEEL SHALL BE GRADE #6 AND MEET THE REQUIREMENTS OF ASTM A615. ALL BENDS SHALL BE MADE COLD.
5. WELDVED IRRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF THE ASTM A750-16
6. CONCRETE SHALL BE STANDARD MIX FC = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR MORE; SHALL BE STANDARD PUMP MIX PC = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. FINISHING, PLACING AND FINISHING SHALL BE PER ACI STANDARDS.
7. CONCRETE BLOCK SHALL BE AS PER MANUFACTURERS PRODUCT GUIDE FOR ASTMA C90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - FIH = 1500 PSI.
8. MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
9. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH. BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325. AS PER FABRICATORS REQUIREMENTS.
10. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.
11. Z&V PT WOOD SHALL CONTAIN ALL AROUND, WHIPBORN , 8"x8" X 16' S/D SCALP PLATE FLANGE WASHERS WITH IF FROM CORNER WA-VAY VENT THROUGH ROOF LINE ON EACH SIDE OPENINGS (DN= 10°+ &- 10°) + 4"x4" S/W WASHERS ALONG CHIMNEY E.G.C. MAX ALLOWABLE CRACK WIDTH SHALL HAVE A MINIMUM OF 0.01 EMBEDDED INTO THE CONCRETE.

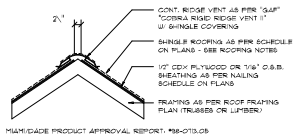
NOTE:
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP
DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL
DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING
REPORT - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS
TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

S.1
OF 4 SHEETS

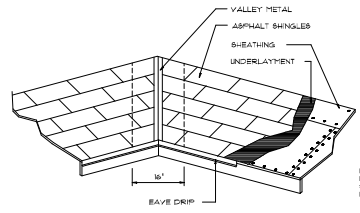
WOOD STRUCTURAL NOTES

- TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES OF THE "TRUSS PLATE INSTITUTE".
- 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".
- WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN N-2 HEIGHTS OR BETTER.
- 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
400 SF	10 LF	450 SQ. IN.
800 SF	20 LF	450 SQ. IN.
1200 SF	30 LF	450 SQ. IN.
1600 SF	40 LF	450 SQ. IN.
2000 SF	50 LF	450 SQ. IN.
2400 SF	60 LF	450 SQ. IN.
2800 SF	70 LF	450 SQ. IN.
3200 SF	80 LF	450 SQ. IN.
3600 SF	90 LF	450 SQ. IN.



Ridge Vent DETAIL
SCALE: 3/4" = 1'-0"



ROOFING METALS FOR FLASHING/ROOFING

MATERIAL	MINIMUM THICKNESS (in.)	GAGE	WEIGHT (lb./sq. ft.)
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.018	26 (ZINC COATED G90)	
ZINC ALLOY	0.021		40
LEAD			20
PAINTED TERNE			

Roofing/Flashing DETS.

SCALE: NONE

ROOF PLAN NOTES

- R-1 SEE EXTERIOR ELEVATIONS FOR ROOF PITCH
- R-2 ALL OVERHANGS 18" UNLESS OTHERWISE NOTED
- R-3 PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH SCHEDULE ON 60.3
- R-4 SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND NAIL HEIGHTS
- R-5 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

NOTE:
8'-0" ROOF W/ 19.5% CDX PLYWOOD PLACED @ LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES, SECURE TO FRAMING W/ 100# TAG-ANGERS NAILS - AS PER DETAIL ON SHEET 6.4

NOTE:
THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER 2023 IRC (18TH EDITION) AND LOCAL JURISDICTION REQUIREMENTS

NOTE:
ALL PENETRATIONS OF THE TOP PLATE OF ALL LOAD BEARING WALLS SHALL BE SEALED WITH FIRE RETARDANT GULKING, 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:

- TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ROOFING PRODUCTS ASSOCIATION MANUAL FOR "ENGINEERED LUMBER AND ITS CONNECTIONS", LATEST EDITION, ALONG WITH THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, CUTS, & TRUSS TO TRUSS CONNECTIONS.
- TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
- FOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REQUIREMENTS MAY BE REQUIRED DEPENDENT ON THE ENGINEERED GRAVITY AND UPLIFT REQUIREMENTS OF TRUSSES OR JOINTS. THE CONTRACTOR SHALL MAKE AVAILABLE A COMPLETE SET OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR THE PURPOSE OF REVIEW OF LOADS PROVIDED ON THE BALANCE OF THE STRUCTURE. ANY SUCH REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THIS STRUCTURE.

8-STEP DRUG 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 CONNECTIONS, 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 OR AS APPROVED BY THE BUILDING OFFICIAL.

THE CONTRACTOR SHALL COORDINATE THE TRUSS TO TRUSS ANCHOR REQUIREMENTS WITH THE TRUSS ENGINEERING SHOP DRAWINGS. NONE 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

NOTICE:
THESE PLANS ARE DRAWN FOR AVERAGE SITE CONDITIONS AND COMPLIANCE WITH APPLICABLE CODES AT THE TIME THEY ARE DRAWN. DUE TO VARYING LOCAL AND NATIONAL CODES, RULES AND REGULATIONS, N.F. GEISLER, ARCHITECT 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, LICENSED PROFESSIONAL ENGINEER.

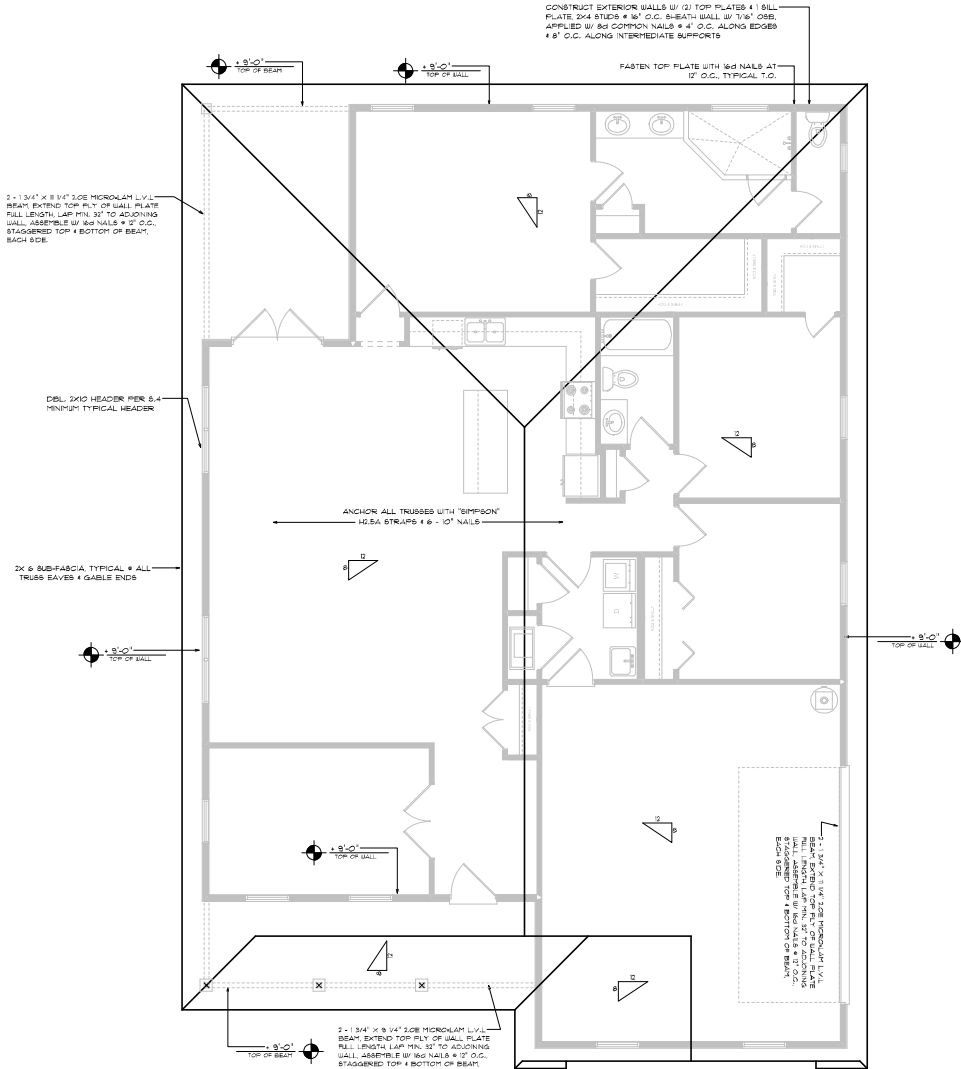
NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

Roof Framing PLAN

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

NOTE:
ANCHOR GIRDERS TRUSSES TO HEADER WITH 2 "SHIPPON" LOTS 3 OR 4 ANCHOR HEADER TO KING STUDS W/ 1 "SHIPPON" 5122 EA. END - TYP., T.O.

NOTE:
REFER TO THE WINDOW/DOOR HEADER SCHEDULE ON SHEET 6.4 FOR ALL MINIMUM SIZE HEADERS AND ALTERNATES MINIMUM SIZE ALLOWABLE IS 2X10.



FLORIDA BUILDING CODE

Compliance Summary

TYPE OF CONSTRUCTION

Roof: Cable & Hip Construction, Wood Trusses @ 24" O.C.
Walls: 2x12 Wood Studs @ 16" O.C.
Floor: 4" THK. Concrete Slab W/ #4 rebar @ 24" O.C. ea. way.
Foundation: Continuous monolithic footing or Slab/Wall foundation system

ROOF DECKING

Material: 1/2" CD Plywood or O.S.B.
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing
Fasteners: 10d Common or ring-shank nails per schedule on sheet S.4

SHEARWALLS

Material: 1/2" CD Plywood or 7/16" O.S.B.
Sheet Size: 48"x96" Sheets Facing Vertical, stagger each sheet.
Fasteners: 8d Common Nails @ 4" O.C. Edges & 16" O.C. Interior
Diagonal: Double Top Plates (3 x 8) W/ 16d Nails @ 12" O.C.
Wall Studs: 2x4 Wood Studs @ 16" O.C.

HURRICANE UPLIFT CONNECTORS

Truss Anchors: SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS
Wall Tension: Wall Sheathing Nailing is Adequate - for @ 4" O.C. Top & Bot.
Anchor Bolts: 1/2" A307 Bolts @ 48" O.C. - 1st Bolt 17" from corner
Corner H&B-Shear Device: (1) DT22 (or equiv.) @ each corner
Porch Columns Base Connector: Simpson ABUH48B55 @ each column
Porch Column to Beam Connector: Simpson EPC44PC41 @ each column

FOOTINGS AND FOUNDATIONS

Footing: 20"x10" Cont. W/ (2) #5 Bars Cont. on chairs or (1) #3 Transverse @ 24" O.C.
Stemwall: 8" C.M.U. W/1-45 Vertical Dowel @ 48" O.C.

STRUCTURAL DESIGN CRITERIA:

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

2. UNIFORM LOAD CRITERIA: RISK CATEGORY: 2, EXPOSURE: "C"
BASED ON ASCE/SEI 7-10, 2020 FBC 1605-A AND VELOCITY: $V_{ult} = 150$ MPH
 $V_{base} = 150$ MPH

3. ROOF DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: 20 PSF
SUPERIMPOSED LIVE LOADS: 20 PSF

4. FLOOR DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: 25 PSF
SUPERIMPOSED LIVE LOADS: 40 PSF
RESIDENTIAL: 40 PSF
BALCONY: 40 PSF

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

TERMITE PROTECTION NOTES:

SOL CHEMICAL BARRIER METHOD:

- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSECTMENT AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 1816.2
- CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1816.4.4
- IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1816.4.4
- TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE ELEMENTS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6
- INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1
- SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2
- 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
- MINIMUM MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION, IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4
- CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5
- SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SHEARWALLS. FBC 1816.1.6
- 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
- ALL BUILDINGS ARE REQUIRED TO HAVE PEN-CONSTRUCTION TREATMENT. FBC 1816.1.7
- A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERNEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES." FBC 1816.1.7
- AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAMPS, TUB TRAP BOXES, FORMS, SPRING OR OTHER GEL-LIKE CONTAINING MATERIAL. FBC 2303.1.3
- NO WOOD, VEGETATION, STUMPS, CORDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

FRAMING ANCHOR SCHEDULE

APPLICATION	MANUFACTURER/MODEL	CAP
TRUSS TO WALL:	SIMPSON HD 5A (OR EQUIVALENT), W/ 6 - 10d NAILS	9036
GIRDER TRUSS TO POST-HEADER:	SIMPSON LGT. W/ 28 - 16d NAILS	17856
HEADER TO KING STUD(S)	SIMPSON ST22	13706
PLATE TO STUD:	SIMPSON SP2	10556
STUD TO SILL:	SIMPSON SP1	5856
PORCH BEAM TO POST:	SIMPSON PC44EPC44	17006
PORCH POST TO FND:	SIMPSON ABU44	22056
MISC. JOINTS	SIMPSON A34	3156/2406

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: "SEMPRO" PRODUCT APPROVAL: MIAMI/DADE COUNTY REPORT #95-0816.15

NOTE: "SIMPSON" PRODUCT APPROVALS: MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0203.04 SBOC1 NER-443, NER-393

PENETRATIONS

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 INTERCONNECTONS 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 "PYROGAP", MULTIFLEX SEALANT."
- AT ALL INTERCONNECTONS 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 JOIST JOISTS AT THE ENDS AND OVER THE SUPPORTS.

Fire Stopping DETAILS

SCALE: NONE

A

BUILDING COMPONENTS & CLADDING LOADS "MEAN BUILDING HEIGHT" = 30.0', EXPOSURE "B" "ROOF ANGLE 21° TO 49°"											
WIND DIRECTION	WIND SPEED (MPH)	PRESS. (PSF)	WIND DIRECTION	WIND SPEED (MPH)	PRESS. (PSF)	WIND DIRECTION	WIND SPEED (MPH)	PRESS. (PSF)	WIND DIRECTION	WIND SPEED (MPH)	PRESS. (PSF)
ROOF 21° TO 49°	10	1.0	10	1.0	1.0	10	1.0	1.0	10	1.0	1.0
	15	1.5	15	1.5	1.5	15	1.5	1.5	15	1.5	1.5
	20	2.0	20	2.0	2.0	20	2.0	2.0	20	2.0	2.0
	25	2.5	25	2.5	2.5	25	2.5	2.5	25	2.5	2.5
	30	3.0	30	3.0	3.0	30	3.0	3.0	30	3.0	3.0
	35	3.5	35	3.5	3.5	35	3.5	3.5	35	3.5	3.5
	40	4.0	40	4.0	4.0	40	4.0	4.0	40	4.0	4.0
	45	4.5	45	4.5	4.5	45	4.5	4.5	45	4.5	4.5
	50	5.0	50	5.0	5.0	50	5.0	5.0	50	5.0	5.0
	55	5.5	55	5.5	5.5	55	5.5	5.5	55	5.5	5.5
	60	6.0	60	6.0	6.0	60	6.0	6.0	60	6.0	6.0
	65	6.5	65	6.5	6.5	65	6.5	6.5	65	6.5	6.5
WALL	10	1.0	10	1.0	1.0	10	1.0	1.0	10	1.0	1.0
	15	1.5	15	1.5	1.5	15	1.5	1.5	15	1.5	1.5
	20	2.0	20	2.0	2.0	20	2.0	2.0	20	2.0	2.0
	25	2.5	25	2.5	2.5	25	2.5	2.5	25	2.5	2.5
	30	3.0	30	3.0	3.0	30	3.0	3.0	30	3.0	3.0
	35	3.5	35	3.5	3.5	35	3.5	3.5	35	3.5	3.5
	40	4.0	40	4.0	4.0	40	4.0	4.0	40	4.0	4.0
	45	4.5	45	4.5	4.5	45	4.5	4.5	45	4.5	4.5
	50	5.0	50	5.0	5.0	50	5.0	5.0	50	5.0	5.0
	55	5.5	55	5.5	5.5	55	5.5	5.5	55	5.5	5.5
	60	6.0	60	6.0	6.0	60	6.0	6.0	60	6.0	6.0
	65	6.5	65	6.5	6.5	65	6.5	6.5	65	6.5	6.5

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING				
BUILDING HEIGHT (ft.)	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"	EXPOSURE "E"
15	1.0	1.0	1.0	1.0
20	1.0	1.0	1.0	1.0
25	1.0	1.0	1.0	1.0

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 228, 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 5/8" x 5/8" 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 MD-PC PA 107-95.

UNDERLAYMENT APPLICATION:
FOR ROOF SLOPES FROM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:
1. STARTING AT THE EAVE, A 18 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 18 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 5 INCHES 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/ MFR'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION RESISTANT METAL OR 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 1507.3-2.2.
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 !!!
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, 100V & NAILSHINGGLE

REVISIONS
January 23, 2024

SOFTEAN

DETAILS SHEET
SCALE: 1/8" = 1'-0"

MODEL 1885 RIGHT-HAND FOR:
PETER & ANNA LEV
PROJECT ADDRESS: 178 SW KIMBERLY LANE, LAKE CITY, FLORIDA 32817
LIT FL, LICENSED ARCHT

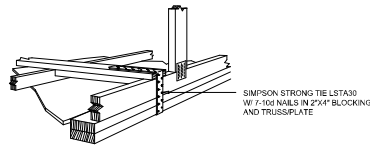
N. P. GEISLER
ER
Digitally signed by N. P. GEISLER
DN: cn=N. P. GEISLER, c=US, o=ARCHITECTS
Date: 2024.01.23 12:42:46 -0500

NICHOLAS
PAUL
GEISLER
ARCHITECTS
178 SW KIMBERLY BL.
LAKE CITY, FLORIDA 32817
352.345.4355

JOB NUMBER
20230135

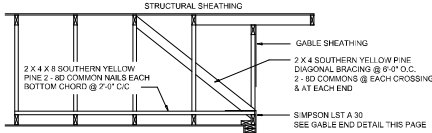
SHEET NUMBER
S.3
OF 4 SHEETS

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



**GABLE END GYPSUM DIAPHRAGM
HOLDOWN CONNECTOR**
SCALE: NONE

A.1



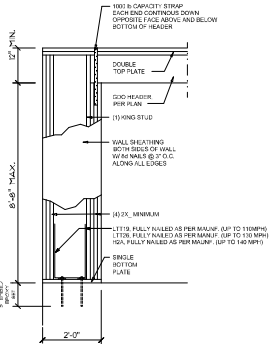
**END WALL BRACING FOR
CEILING DIAPHRAGM**

NTS (ALTERNATIVE TO BALLOON FRAMING)
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

A

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

WIND SPEED (MPH)	WALL		ROOF		WALL		ROOF	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
15	1.0	1.0	0.5	0.5	1.0	1.0	0.5	0.5
20	1.2	1.2	0.6	0.6	1.2	1.2	0.6	0.6
25	1.5	1.5	0.8	0.8	1.5	1.5	0.8	0.8
30	1.8	1.8	1.0	1.0	1.8	1.8	1.0	1.0
35	2.1	2.1	1.2	1.2	2.1	2.1	1.2	1.2
40	2.4	2.4	1.4	1.4	2.4	2.4	1.4	1.4
45	2.7	2.7	1.6	1.6	2.7	2.7	1.6	1.6
50	3.0	3.0	1.8	1.8	3.0	3.0	1.8	1.8
55	3.3	3.3	2.0	2.0	3.3	3.3	2.0	2.0
60	3.6	3.6	2.2	2.2	3.6	3.6	2.2	2.2
65	3.9	3.9	2.4	2.4	3.9	3.9	2.4	2.4
70	4.2	4.2	2.6	2.6	4.2	4.2	2.6	2.6
75	4.5	4.5	2.8	2.8	4.5	4.5	2.8	2.8
80	4.8	4.8	3.0	3.0	4.8	4.8	3.0	3.0
85	5.1	5.1	3.2	3.2	5.1	5.1	3.2	3.2
90	5.4	5.4	3.4	3.4	5.4	5.4	3.4	3.4
95	5.7	5.7	3.6	3.6	5.7	5.7	3.6	3.6
100	6.0	6.0	3.8	3.8	6.0	6.0	3.8	3.8
105	6.3	6.3	4.0	4.0	6.3	6.3	4.0	4.0
110	6.6	6.6	4.2	4.2	6.6	6.6	4.2	4.2
115	6.9	6.9	4.4	4.4	6.9	6.9	4.4	4.4
120	7.2	7.2	4.6	4.6	7.2	7.2	4.6	4.6
125	7.5	7.5	4.8	4.8	7.5	7.5	4.8	4.8
130	7.8	7.8	5.0	5.0	7.8	7.8	5.0	5.0
135	8.1	8.1	5.2	5.2	8.1	8.1	5.2	5.2
140	8.4	8.4	5.4	5.4	8.4	8.4	5.4	5.4
145	8.7	8.7	5.6	5.6	8.7	8.7	5.6	5.6
150	9.0	9.0	5.8	5.8	9.0	9.0	5.8	5.8
155	9.3	9.3	6.0	6.0	9.3	9.3	6.0	6.0
160	9.6	9.6	6.2	6.2	9.6	9.6	6.2	6.2
165	9.9	9.9	6.4	6.4	9.9	9.9	6.4	6.4
170	10.2	10.2	6.6	6.6	10.2	10.2	6.6	6.6
175	10.5	10.5	6.8	6.8	10.5	10.5	6.8	6.8
180	10.8	10.8	7.0	7.0	10.8	10.8	7.0	7.0
185	11.1	11.1	7.2	7.2	11.1	11.1	7.2	7.2
190	11.4	11.4	7.4	7.4	11.4	11.4	7.4	7.4
195	11.7	11.7	7.6	7.6	11.7	11.7	7.6	7.6
200	12.0	12.0	7.8	7.8	12.0	12.0	7.8	7.8
205	12.3	12.3	8.0	8.0	12.3	12.3	8.0	8.0
210	12.6	12.6	8.2	8.2	12.6	12.6	8.2	8.2
215	12.9	12.9	8.4	8.4	12.9	12.9	8.4	8.4
220	13.2	13.2	8.6	8.6	13.2	13.2	8.6	8.6
225	13.5	13.5	8.8	8.8	13.5	13.5	8.8	8.8
230	13.8	13.8	9.0	9.0	13.8	13.8	9.0	9.0
235	14.1	14.1	9.2	9.2	14.1	14.1	9.2	9.2
240	14.4	14.4	9.4	9.4	14.4	14.4	9.4	9.4
245	14.7	14.7	9.6	9.6	14.7	14.7	9.6	9.6
250	15.0	15.0	9.8	9.8	15.0	15.0	9.8	9.8
255	15.3	15.3	10.0	10.0	15.3	15.3	10.0	10.0
260	15.6	15.6	10.2	10.2	15.6	15.6	10.2	10.2
265	15.9	15.9	10.4	10.4	15.9	15.9	10.4	10.4
270	16.2	16.2	10.6	10.6	16.2	16.2	10.6	10.6
275	16.5	16.5	10.8	10.8	16.5	16.5	10.8	10.8
280	16.8	16.8	11.0	11.0	16.8	16.8	11.0	11.0
285	17.1	17.1	11.2	11.2	17.1	17.1	11.2	11.2
290	17.4	17.4	11.4	11.4	17.4	17.4	11.4	11.4
295	17.7	17.7	11.6	11.6	17.7	17.7	11.6	11.6
300	18.0	18.0	11.8	11.8	18.0	18.0	11.8	11.8



Garage End Wall DETAIL
SCALE: NTS

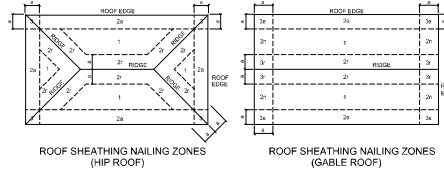
G

ROOF SHEATHING FASTENINGS

NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	7/16" O.S.B. OR 1/2" CDX PLYWOOD	1M PING SHARP WALLS	R.R.H. EDGES F.A.S. FIELD
2			4" H. & EDGE 24" O.C. FIELD
3			4" H. & G. WALL ENDWALL OR GABLE TRUSS 4" H. & G. EDGE 6" H. & G. FIELD

**HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS
FOR BUILDING COMPONENTS & CLADDING**

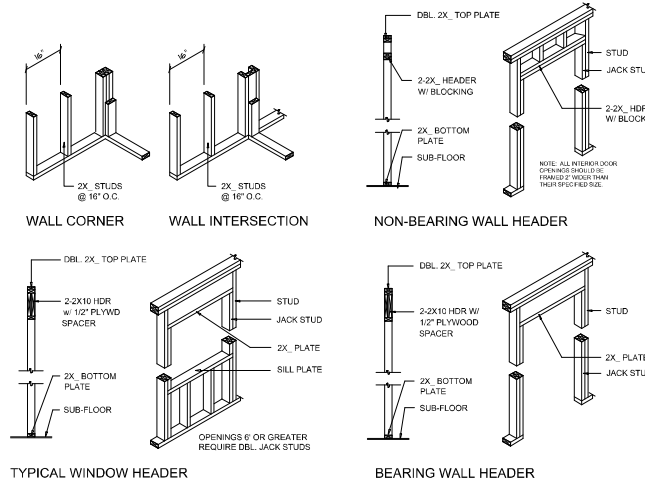
BLDG. HEIGHT (FT)	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
0-15	.82	.12	.147
15-30	.89	.138	.158
30-45	.94	.148	.168
45-60	1.00	1.40	1.66



Roof Nail Pattern DET.
SCALE: NONE

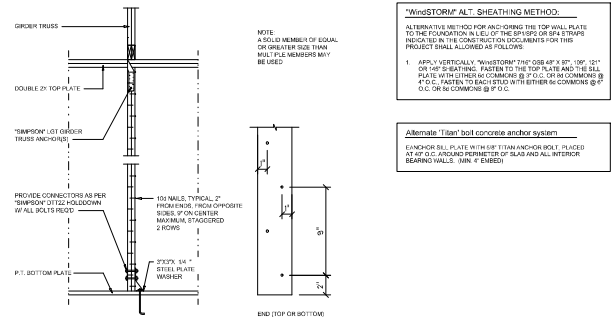
B

HEADER SPANS FOR EXTERIOR BEARING WALLS							
HEADERS SUPPORTING	HEADER SIZE	BUILDING WIDTH (FT)					
		20'		28'		36'	
		SPAN	# JACKS	SPAN	# JACKS	SPAN	# JACKS
ROOF, CEILING	2-2x4	3'-6"	1	3'-2"	1	2'-10"	1
	2-2x6	5'-0"	1	4'-8"	1	4'-2"	1
	2-2x8	6'-10"	1	5'-11"	2	5'-4"	1
	2-2x10	8'-5"	2	7'-3"	2	6'-6"	2
	2-2x12	9'-6"	2	8'-5"	2	7'-6"	2
	3-2x6	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



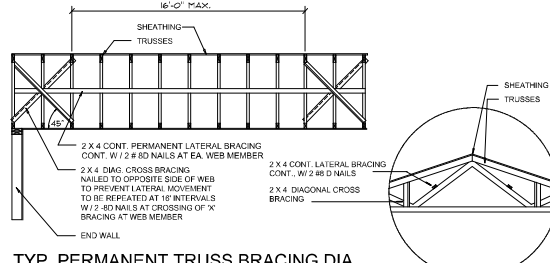
Wall Framing/Header DETAILS
SCALE: NONE

F



Girder Truss Column DET.
SCALE: 1/2" = 1'-0"

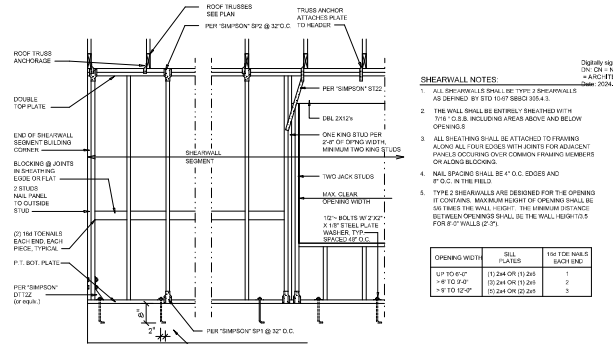
C



TYP. PERMANENT TRUSS BRACING DIA.
NTS
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

Truss Bracing DETAILS
SCALE: AS NOTED

D



Shear Wall DETAILS
SCALE: NONE

E

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

REVISIONS
January 23, 2024

DETAILS SHEET
SCALE: 1/8" = 1'-0"

PETER & ANNA LEV
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JOB NUMBER
20230135

SHEET NUMBER
S.4
OF 4 SHEETS