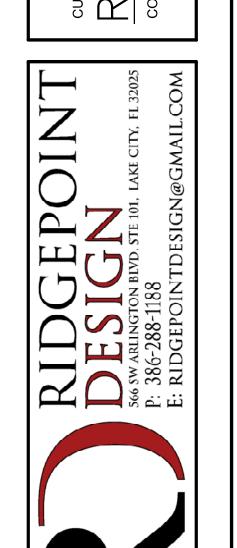
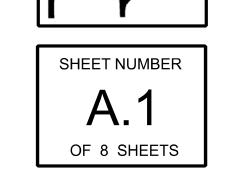
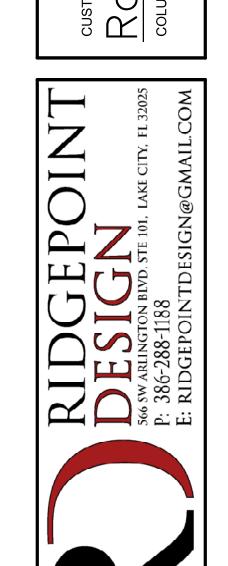
FRONT ELEVATION
SCALE: 1/4" = 1'-0"

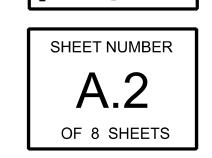


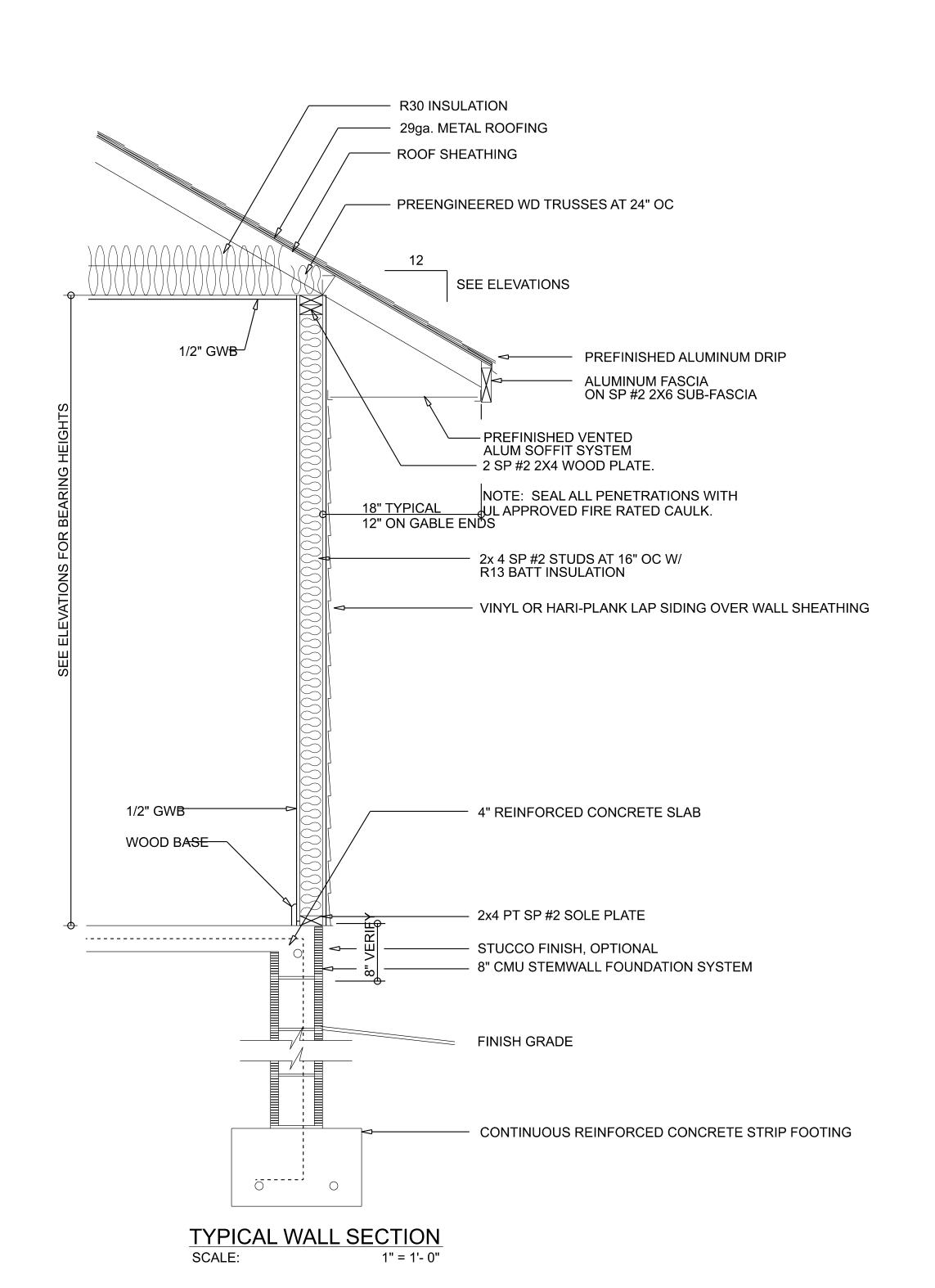
COLUMBIA COUNTY, FL 32024





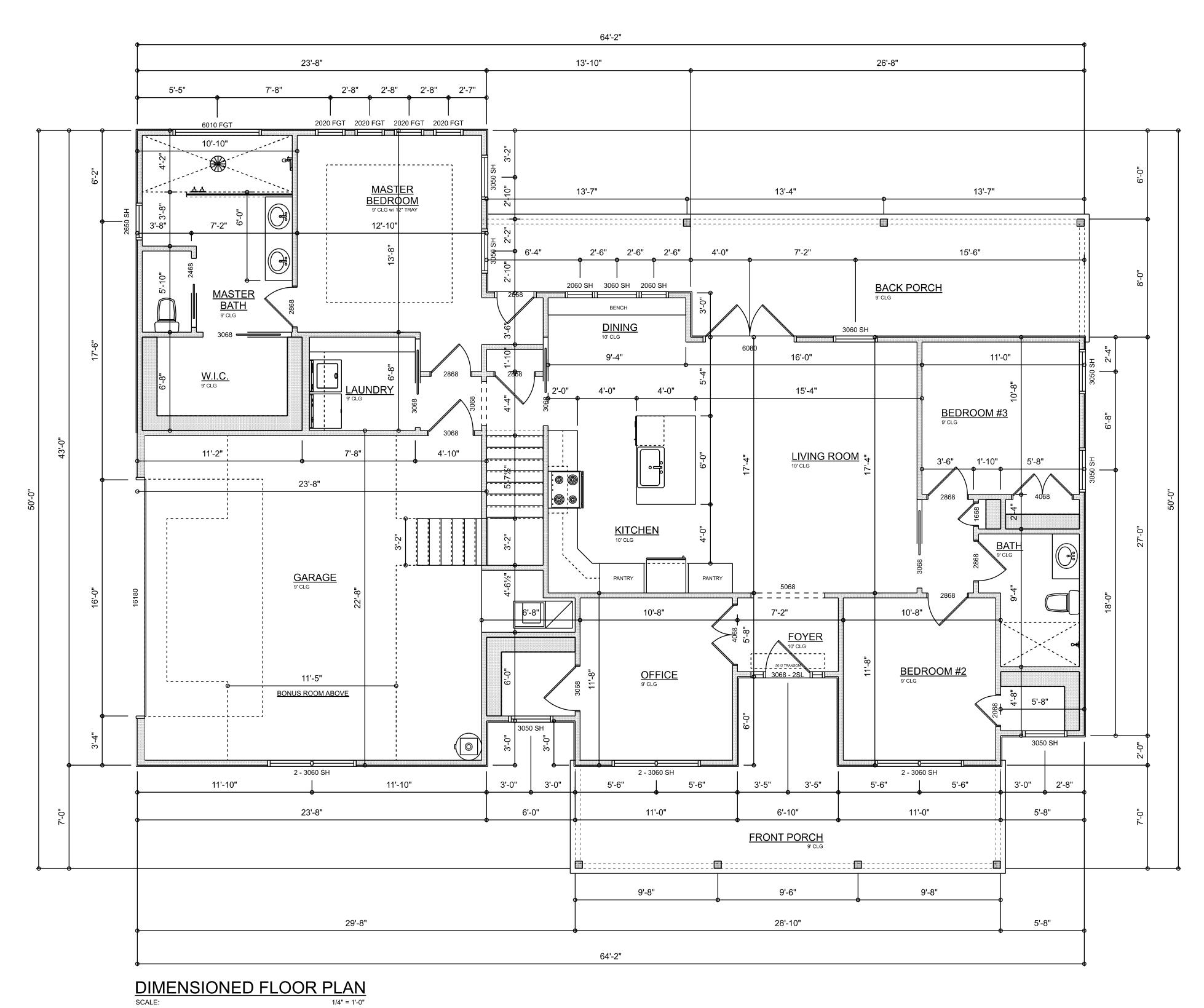


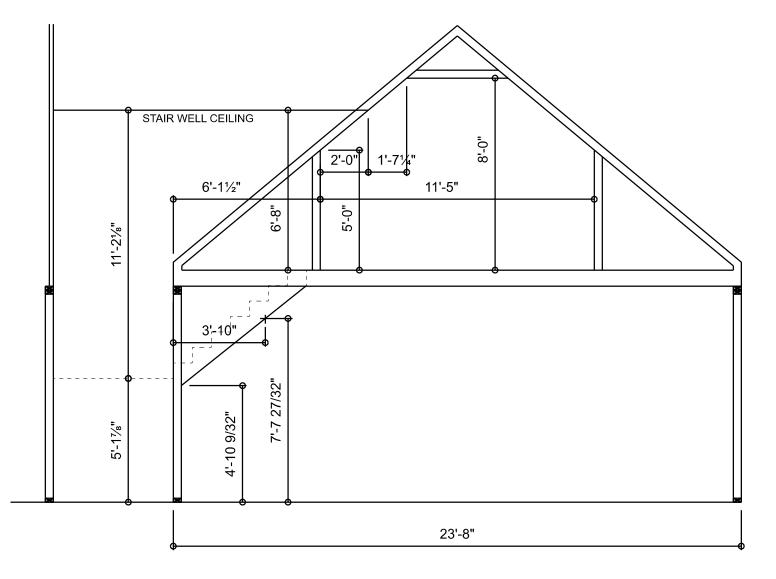






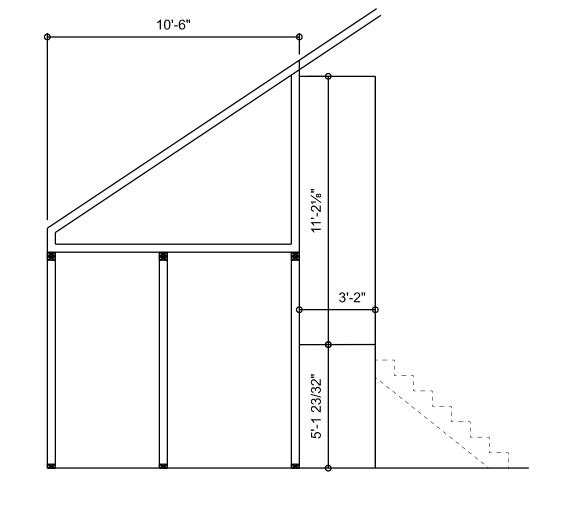




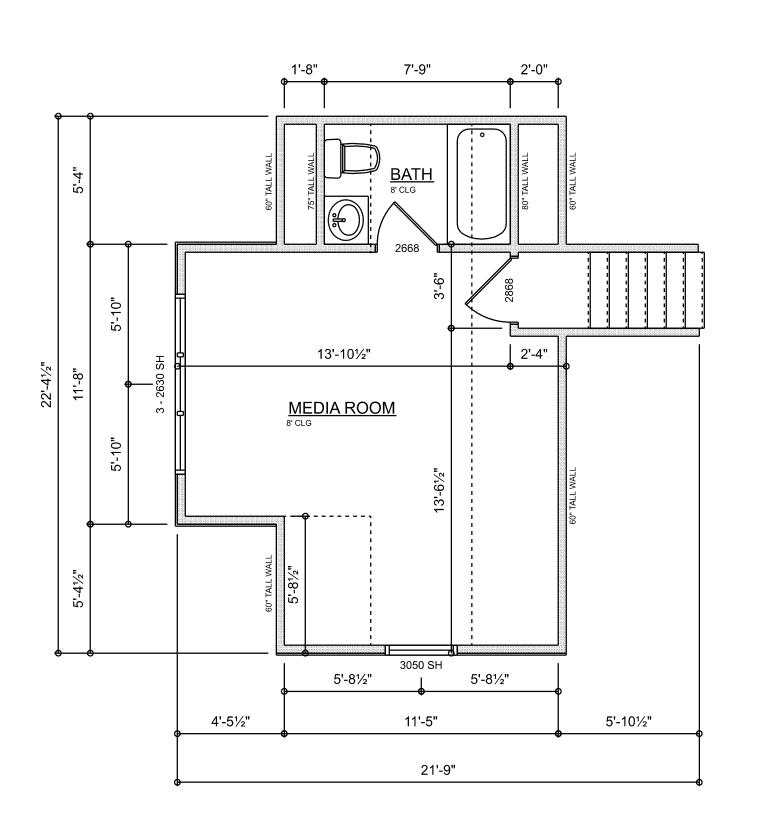


GARAGE SECTION

| AREA | S | U | М | М | Α | R | Y |
|---|---|---|---|----|----------------------------------|---------------|------------------------------|
| LIVING BONUS ROOM ENTRY PORCH REAR PORCH GARAGE | | | | 1 | ,609 312 243 283 554 | <u>2</u> 3 | S.F. S.F. S.F. S.F. |
| TOTAL AREA | | | | 3, | 001 | | S.F |

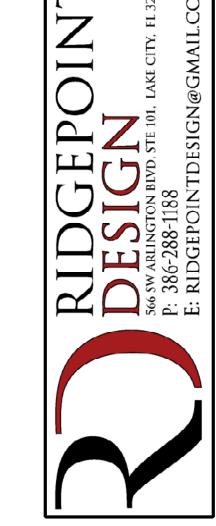


STAIR SECTION
SCALE: 1/4" = 1'-0"



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





SHEET NUMBER

A.3

OF 8 SHEETS

| ELECTRICA | ELECTRICAL LEGEND | | | |
|--------------------------|--------------------------|-------------------|--|--|
| ELECTRICAL | COUNT | SYMBO | | |
| CEILING FAN | 10 | | | |
| CAN LIGHT 6inch | 22 | 0 | | |
| CHANDELIER | 1 | 90 90 90 | | |
| LED CEILING LIGHT 1x4 | 2 | | | |
| PENDANT LIGHT | 2 | | | |
| EXTERIOR SCONCE | 2 | Q | | |
| MOTION SECURITY LIGHT | 4 | P | | |
| AC DISCONNECT | 1 | | | |
| CABLE TV OUTLET | 6 | īν | | |
| CARBON DETECTOR | 1 | . | | |
| EXHAUST FAN | 3 | ₩ | | |
| OUTLET | 36 | Ф | | |
| OUTLET 220v | 4 | • | | |
| OUTLET GFI | 14 | ∯a r i | | |
| OUTLET WP | 6 | Ů√P | | |
| SMOKE DETECTOR | 7 | • | | |
| STANDARD LIGHT | 8 | ф | | |
| SWITCH | 33 | \$ | | |
| SWITCH 3 WAY | 15 | \$3 | | |
| VANITY BAR LIGHT - SMALL | 4 | 000 | | |
| uplight | 3 | | | |

ELECTRICAL PLAN NOTES:

INSTALLATION SHALL BE PER LATEST NAT'L ELECTRIC CODE.

WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS

CONSULT WITH THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED

ALL SMOKE DETECTORS SHALL BE 120v W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS

TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

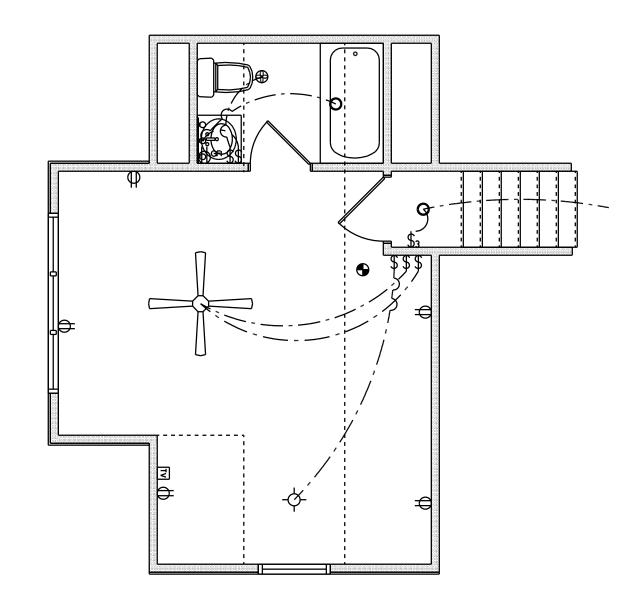
ALL RECEPTICALS, NOT OTHERWISE NOTED, SHALL BE ARC FAULT INTERRUPTER TYPE, EXCEPT DEDICATED OUTLETS

ALL RECEPTICALS IN WET AREAS SHALL BE GROUND FAULT INTERRUPTER TYPE (GFI)

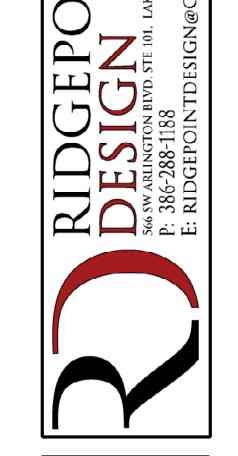
ALL EXTERIOR RECEPTICALS SHALL BE WEATHERPROOF GROUD FAULT INTERRUPTER TYPE (WP/GFI)

NOTE:
ELECTRICAL CONT'R SHALL PREPARE "AS-BUILT" SHOP
DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY
CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN,
RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS
IDENTIFIED W/ CKT Nr. DESCRIPTION & BRKR, SERVICE ENT.
& ALL UNDERGROUND WIRE LOCATIONS/ROUTING / DEPTH.
RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT
TYPE W/ RATINGS & LOADS.

CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY



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



SHEET NUMBER

A.4

OF 8 SHEETS

ELECTRICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

CONCRETE / MASONRY / METALS GENERAL NOTES:

- 1. DESIGN SOIL BEARING PRESSURE: 1500 PSF.
- 2. EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS TESTS AS SPECIFIED SHALL BE PREFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- 3. CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS, BOTH SUB-SOIL AND FILL COMPACTION 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 40 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 F'c = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
- 7. CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH F'm = 1500 PSI.
- 8. MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
- 9. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
- IO. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.
- 11. 2X4 P/T WOOD SILL, CONT., ALL AROUND, W/ 5/8"~
 A.B. W/ 3" SQ. X 1/4" PLATE WASHERS WITHIN 12-16" FROM
 EACH CORNER, EA. WAY, & WITHIN 8-12" FROM ALL WALL
 OPENINGS / ENDS 1/2"~ A.B. W/ 2" SQ. WASHERS ALONG
 EACH RUN @ 48" O.C., MAX. ALL ANCHOR BOLTS SHALL
 HAYE A MINIMUM OF 8" EMBEDMENT INTO THE CONCRETE.

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

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

2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0"

AWAY FROM BUILDING SIDE WALLS, FBC 1503,4,4

3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-O" FROM BUILDING SIDE WALLS, FBC 1503,4,4

4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6".

EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8"
THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6

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

6, SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED, FBC 1816,1,2

1. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT, FBC 1816.1.3

8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4

9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5

10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE

OR GRADE WITHIN 1'-O" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6

II. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL

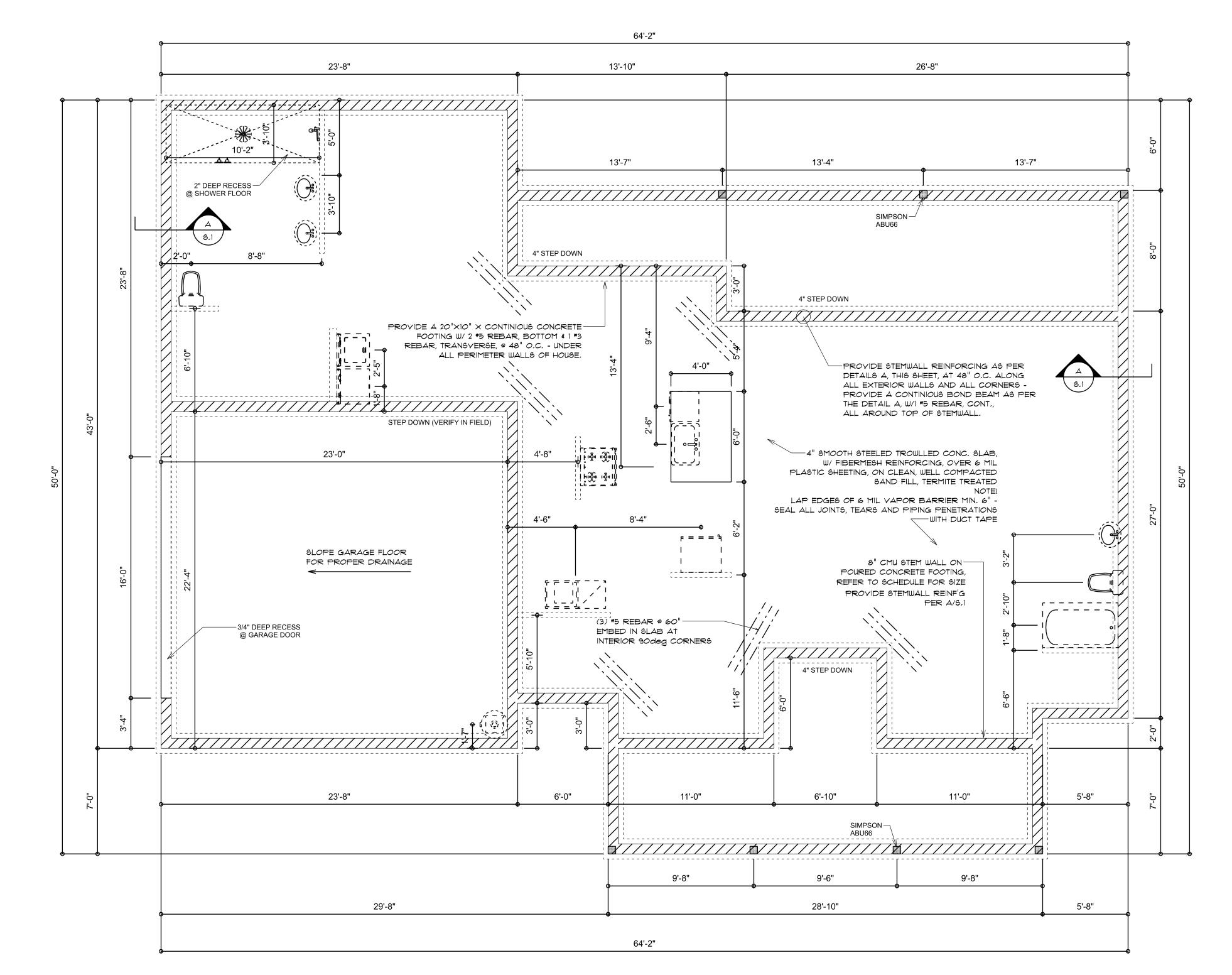
BE RETREATED. FBC 1816.1.6

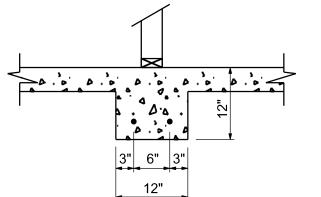
12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT.
FBC 1816.1.7

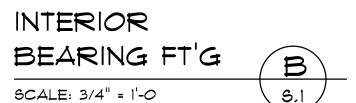
13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY * LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1816.1.7

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

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







NOTE:

VERIFY INTERIOR BEARING WALLS WITH

TRUSS MANUFACTURE DRAWINGS! USE DETAIL

"B" THIS PAGE AT ALL INTERIOR BEARING LOC.

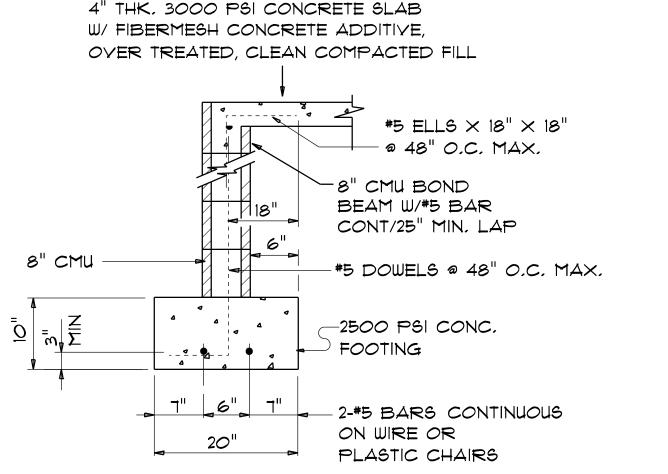
DIMENSIONED FOUNDATION PLAN

NOTE: THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS

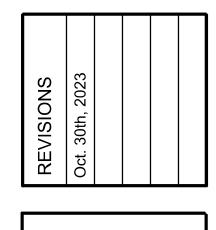
ADDED FILL SHALL BE APPLIED IN 8" LIFTS - EA, LIFT SHALL BE CONPACTED TO 98% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.

NOTE:
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP
DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL
PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONT'R
SHALL PROVIDE I COPY OF AS-BUILT DWGS TO OWNER AND
I COPY TO THE PERMIT ISSUING AUTHORITY.

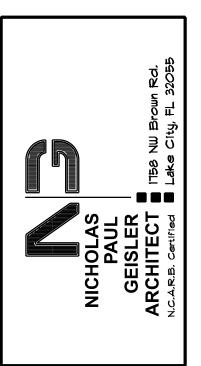
NOTE:
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP
DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL
DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING
REPORT - CONT'R SHALL PROVIDE I COPY OF AS-BUILT DWGS
TO OWNER & I COPY TO THE PERMIT ISSUING AUTHORITY.



SCALE: 3/4" = 1'-0



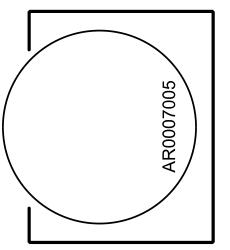




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S.1 OF 4 SHEETS

SHEET NUMBER



STANDARD HEADER SCHEDULE

0'-0" UP TO 6'-0" OPENINGS

DOUBLE 2x8 No.*2 SOUTHERN PINE WITH 1/2" OSB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 1 - SIMPSON MSTAIS TOP AND 1 - SIMPSON SPH4R BOTTOM EACH SIDE OF OPENING WITH 1 - HEADER STUD AND 1 FULL HEIGHT STUDS EACH SIDE OF OPENING

6'-0" UP TO 9'-0" OPENINGS

DOUBLE 2x12 No. *2 SOUTHERN PINE WITH 1/2" OSB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 1 - SIMPSON MSTA24 TOP AND 2 - SIMPSON SPH4R BOTTOM EACH SIDE OF OPENING WITH 1 - HEADER STUD AND 2 FULL HEIGHT STUDS EACH SIDE OF OPENING

9'-0" UP TO 16'-0" OPENINGS

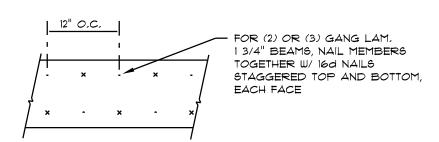
DOUBLE 2x12 No.*2 SOUTHERN PINE WITH 1/2" OSB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 3 - SIMPSON MSTAIS EACH SIDE OF OPENING WITH 2 - HEADER STUDS AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING

GARAGE DOOR HEADER

3 PLY $1\frac{3}{4}$ " X 11 7/8" 2.0E MICROLAMM LYL HEADER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 3 - SIMPSON MSTAIS EACH SIDE OF OPENING WITH 2 - HEADER STUDS AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING

WOOD STRUCTURAL NOTES

- I. 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".
- 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 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.



NAIL PLYWOOD FLITCH BEAM TOGETHER W/ I6d NAILS STAGGERED TOP AND BOTTOM, EACH FACE

NOTE:

WHERE BEAM SPAN IS GREATER THAN 8'-O", CENTER S'-O" LONG PLYWOOD AT CENTER OF BEAM SPAN, BUTT ADJACENT PLYWOOD PIECES TIGHT TO CENTER PIECE. STAGGER JOINTS AT BEAMS WITH MORE THAN ONE PLYWOOD PLATE.

MULTIPLE GANG LAM, DETAIL

NOT TO SCALE

PLYWOOD FLITCH BEAM DETAIL

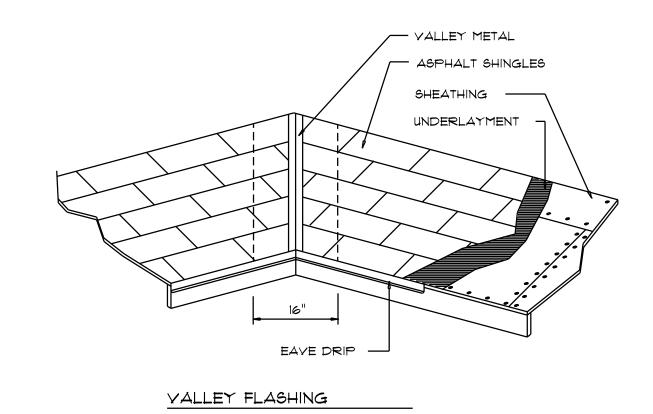
NOT TO SCALE

B/U Beam DETAILS

SCALE: NONE

| _ , | TALS for FLASH 65 REQUIREMENTS | HNG/ROOF | ING |
|-------------------------------------|-----------------------------------|-------------------------|----------|
| MATERIAL | MINIMUM THICKNESS (in) | GAGE | WEIGHT |
| COPPER | | | 16 |
| ALUMINUM | 0.024 | | |
| STAINLESS STEEL | | 28 | |
| GALVANIZED STEEL | er10.0 | 26 (ZINC COATED G90) | |
| ZINC ALLOY LEAD PAINTED TERNE | 0.027 | | 40 20 |





ANCHOR ALL TRUSSES WITH "SIMPSON"-

FASTEN TOP PLATE WITH 16d NAILS AT-

H2.5a STRAPS \$ 6 - 10" NAILS

2X6 SUB-FASCIA, TYPICAL @ ALL-

TRUSS EAVES & GABLE ENDS

12" O.C., TYPICAL T.O.

-SEE HEADER

SCHEDULE

R-1 SEE ELEVATIONS FOR ROOF PITCH

ROOF PLAN NOTES

R-2 ALL OVERHANG 18" (12" on gables)
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

2X6 SUB-FASCIA, TYPICAL @ ALL TRUSS EAVES & GABLE ENDS

------,

— SEE GARAGE HEADER NOTE THIS PAGE

-----;

ROOF FRAMING PLAN

SEE HEADER

SCHEDULE/

THE DESIGN WIND SPEED FOR THIS
PROJECT IS 130 MPH PER FBC 1609
AND LOCAL JURISDICTION REQUIREMENTS

NOTE

ANCHOR GIRDER TRUSS(ES) TO HEADER WITH 2 "SIMPSON" LGT(2, 3 OR 4),
ANCHOR HEADER TO KING STUDS W/
2 "SIMPSON" ST22 EA, END - TYP., T.O.

GENERAL TRUSS NOTES:

or (2) MSTA18

DBL 2x12 WD BEAM W/ 7/16" SPACER

SCHEDULE

6x6 WOOD-

POST W/ PC66

-SEE HEADER

SCHEDULE

DBL 2x12 WD BEAM w/ 7/16" SPACER

SEE HEADER

SCHEDULE

or (2) MSTA18

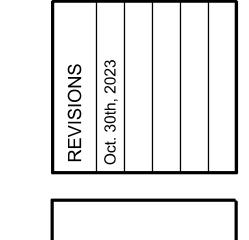
CONSTRUCT EXTERIOR WALLS W/ 2 TOP PLATES \$ 1 SILL

PLATE, 2X4 STUDS @ 16" O.C., W/ WIND STORM BOARD

WALL SHEATHING SHEATH WALL W/ 8d COMMON NAILS @ 4" O.C.

ALONG EDGES & 8" O.C. ALONG INTERMEDIATE SUPPORTS

- 1. 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 AVAILABLE 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.



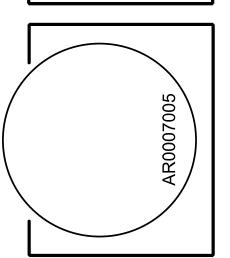




SHEET NUMBER

S.2

OF 4 SHEETS



METAL PANELS MUST BE FASTENED TO MIN. 1/2" CDX PLYWOOD.

METAL PANELS SHALL BE USED ONLY ON ROOF SLOPES OF 3:12 OR GREATER TO INSURE PROPER DRAINAGE.

CAULKING:

MUST BE APPROVED BY THE MANUFACTURER, BUTYL SEALANT

SUPPLIED IN TAPE OR GUN-GRADE FORM.

METAL PANEL: METAL PANELS SHALL BE

MIN, 26 GUAGE AND COMPLY WITH ASTM A-792 AND D 7-98

EXPOSURE C AS ADOPTED IN SOUTH FLORIDA.

FASTENERS:

FASTENERS FOR METAL PANELS SHALL BE GALVANIZED WOOD FAST SCREW, MINIMUM OF #9 X 1 1/2" HEX HEAD.

ATTACHMENT:

METAL PANELS SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN 24" O.C. WHERE ROOF IS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF METAL PANELS SHALL CONFORM WITH ASTM E 330 OR PA 125,

BASE AND CAP FLASHINGS:

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

1, RC-1 - RIDGE CAP

2, ED-1 - EAVE DRIP

3, EF-3 - EAVE FLASHING

4. SW-1 - SIDEWALL FLASHING

5, EW-1 - ENDWALL FLASHING 6. GR-4 - GABLE END OR RAKE BOARD FLASHING

FASTENED SUFFICIENTLY TO STAY IN PLACE.

7. TF-1 - TRANSITION FLASHING

8, PV-2 - PREFORMED VALLEY FLASHING

9, BUTYL TAPE

10. SEALANT TAPE 11. PIPEBOOT

UNDERLAYMENT APPLICATION:

FOR ROOF SLOPES FROM 3:12 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

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

BASE AND CAP FLASHINGS:

WITH ASTM D 1970.

SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFGR'S INSTALLATION INSTRUCTIONS, BASE FLASHING SHALL BE EITHER CORROSION SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 17 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 ROOFING MATERIAL. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED.

1. OPEN VALLEYS LINED WITH METAL: THE VALLEY LINING SHALL BE AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS

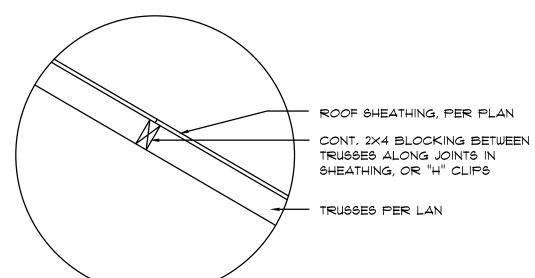
IN FBC TABLE 1507.3.9.2. 2. OPEN VALLEYS: VALLEY LINING OF TWO PLIES OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18

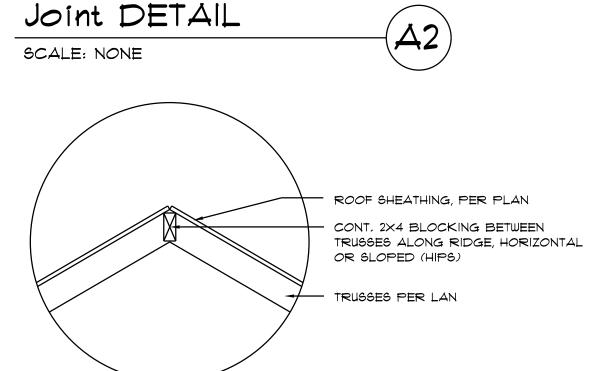
INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE. 3. CLOSED VALLEYS: VALLEY LINING SHALL BE ONE OF THE FOLLOWING: 1. BOTH TYPES 1 AND 2 ABOVE, COMBINED.

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 & COMPLYING

- VENT SLOT AT RIDGE, PER PLAN ROOF SHEATHING, PER PLAN CONT. 2X4 BLOCKING BETWEEN TRUSSES ALONG BOTH SIDES OF VENT SLOTS TRUSSES PER LAN









FRAMING ANCHOR SCHEDULE

APPLICATION MANUF'R/MODEL TRUSS TO WALL: SIMPSON H2.5a or SDWC15600 GIRDER TRUSS TO POST/HEADER: SIMPSON LGT, W/ 28 - 16d NAILS HEADER TO KING STUD(S): SIMPSON ST22

PLATE TO STUD: STUD TO SILL: PORCH BEAM TO POST: PORCH POST TO FND.:

NO CONNECTION REQ. WHEN USING WINDSTORM BOARD NO CONNECTION REQ. WHEN USING WINDSTORM BOARD SIMPSON PC44 or (2) 5/8" LAG BOLTS EA, POST SIMPSON ABU44 SIMPSON A34

1700# 2200# 315#/240#

600#

1785#

1370#

MISC. JOINTS

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

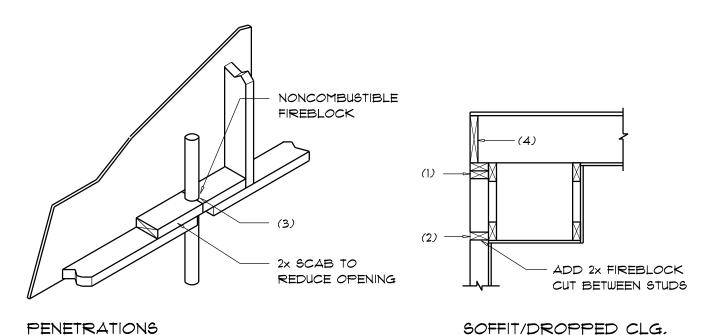
REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/ JOINT REINFORCEMENT AND FASTENERS.

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

"SEMCO" PRODUCT APPROVAL:

MIAMI/DADE COUNTY REPORT #95-0818.15

"SIMPSON" PRODUCT APPROVALS: MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04 SBCC1 NER-443, NER-393



FIREBLOCKING NOTES:

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

1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.

2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED YERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COYE CEILINGS, ETC.

3. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT"

4. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

Fire Stopping DETAILS

SCALE: NONE



FLORIDA BUILDING CODE

Compliance Summary

TYPE OF CONSTRUCTION

Roof: Gable Construction, Wood Trusses @ 24" O.C. Walls: 2x4 Wood Studs @ 16" O.C. Floor: 4" Thk. Concrete Slab W/ Fibermesh Concrete Additive

ROOF DECKING

Material: 1/2" CDX Plywood or 7/16" O.S.B.
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing

Fasteners: .113 RING SHANKED Nails per schedule on sheet 5.4

SHEARWALLS

Material: 1/2" CDX Plywood or 7/16" O.S.B. Sheet Size: 48"x96" Sheets Placed Vertical

Foundation: Continuous Footer/Stem Wall

Fasteners: .113 COMMON Nails @ 4" O.C. Edges & 8" O.C. Interior Double Top Plate (S.Y.P.) W/16d Nails @ 12" O.C. Dragstrut: Wall Stude: 2x4 Stude @ 16" O.C.

HURRICANE UPLIFT CONNECTORS

Truss Anchors: SIMPSON H2.5a @ Ea, Truss End (Typ. U.O.N.) Wall Tension: Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. Top & Bot.

Anchor Bolts: 1/2" A307 Bolts @ 48" O.C. - 1st Bolt 6" from corner Corner Hold-down Device: (1) HD5a @ each corner Porch Column Base Connector: Simpson ABU66 @ each column Porch Column to Beam Connector: Simpson MSTA20 (2 ea. side) or Simpson EPC66 or 2 - 5/8" thru bolts

FOOTINGS AND FOUNDATIONS Footing: 20"x10" Cont. W/ 2 - #5 Bars Cont. on wire/plastic chairs @ 48" o.c.

Stemwall: 8" C.M.U. W/I-#5 Yertical Dowel @ 48" O.C. Int. Footings: 18"x 18" x Cont. W/ 3 - #5 Bars Cont. on wire/plastic chairs @ 48" o.c.

STRUCTURAL DESIGN CRITERIA:

. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE - SECTION 1609 AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.

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

BASED ON ANSI/ASCE 7-16. 2020 FBC 1609-A WIND VELOCITY: \forall_{ULT} = 130 MPH

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

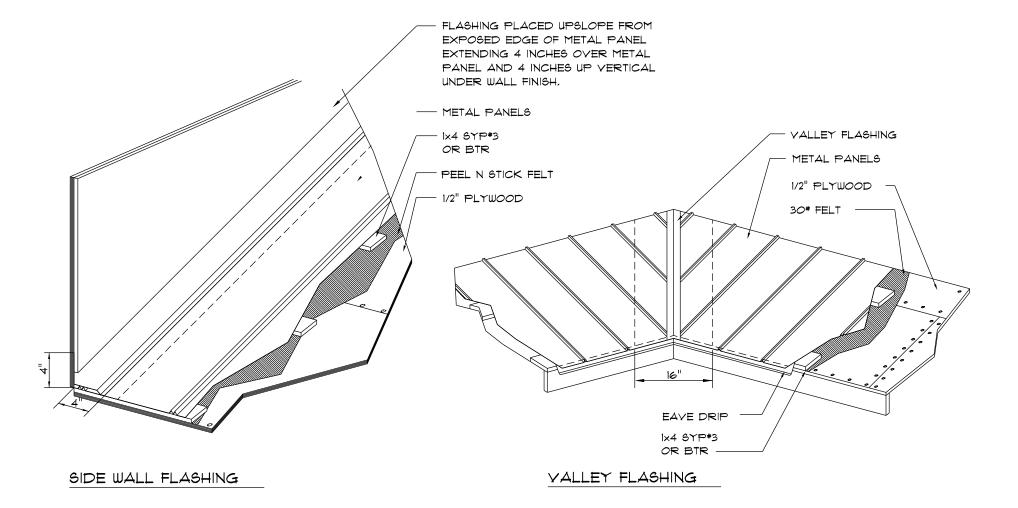
SUPERIMPOSED LIVE LOADS: 20 PSF 4. FLOOR DESIGN LOADS:

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

SUPERIMPOSED DEAD LOADS: 25 PSF SUPERIMPOSED LIVE LOADS: 40 PSF RESIDENTIAL 60 PSF BALCONIES

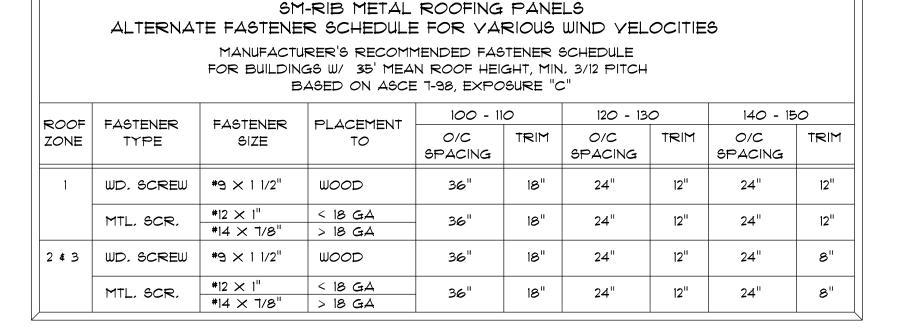
| 4 | | 27 | BUILDING (MEAN BUIL | | 3 & CLADDING = 30.0', EXF | |
|--------------|-------------|----------------|--|--|--|--|
| | ZONE | AREA | Yult 110 MPH | Yult 120 MPH | Yult 130 MPH | Yult 140 MPH |
| 27. | 1 1 1 | 10 20 50 | 12.0 / -19.9 11.4 / -19.4 10.0 / -18.6 | 14.9 / -23.7 13.6 / -23.0 11.9 / -22.2 | 17.5 / -27.8 16.0 / -27.0 13.9 / -26.0 | 20.3 / -32.3 18.5 / -31.4 16.1 / -30.2 |
| ÷ 5 | 2 2 2 | 10 20 50 | 12.5 / -34.7 11.4 / -31.9 10.0 / -28.2 | 14.9 / -41.3 13.6 / -38.0 11.9 / -33.6 | 17.5 / -48.4 16.0 / -44.6 13.9 / -39.4 | 20.3 / -56.2 18.5 / -51.7 16.1 / -45.7 |
| ROOF TOOF | 3 3 3 | 10 20 50 | 12.5 / -51.3 11.4 /-47.9 10.0 / -43.5 | 14.9 / -61.0 13.6 / -57.1 11.9 / -51.8 | 17.5 / -71.6 16.0 / -67.0 13.9 / -60.8 | 20.3 / -83.1 18.5 / -77.7 16.1 / -70.5 |
| MALL | 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 |
| ∀m | 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.C 31.6 / -39.8 |

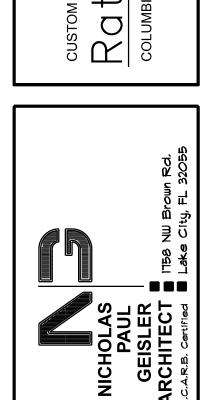
| | EXPOSURE AD DING COMPON | | |
|------------|----------------------------|--------------|----------|
| BLDG | EXPOSURE | EXPOSURE | EXPOSURE |
| HEIGHT | "B" | "C" | "D" |
| 15 | 1.00 | 1.21 | 1.47 |
| 2 <i>O</i> | 1.00 | 1.29 | 1.55 |
| 25 | 1.00 | 1.35 | 1.61 |
| 3 <i>O</i> | 1.00 | 1.4 <i>0</i> | 1.66 |



METAL ROOFING, DET,

SCALE: NONE

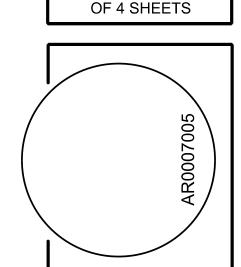


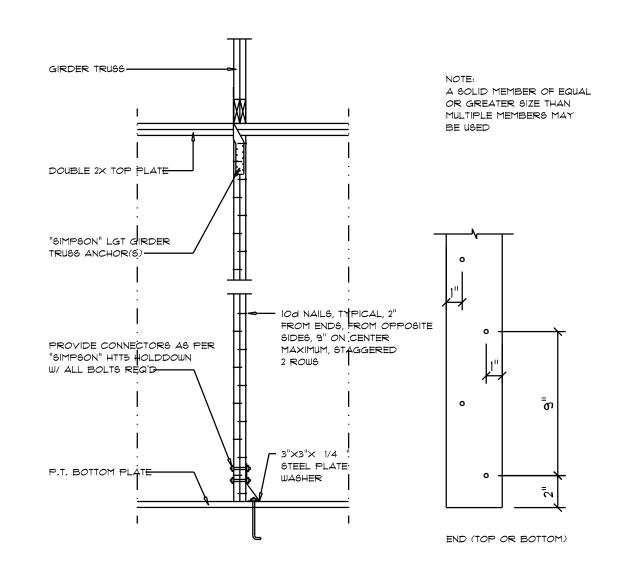


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SHEET NUMBER

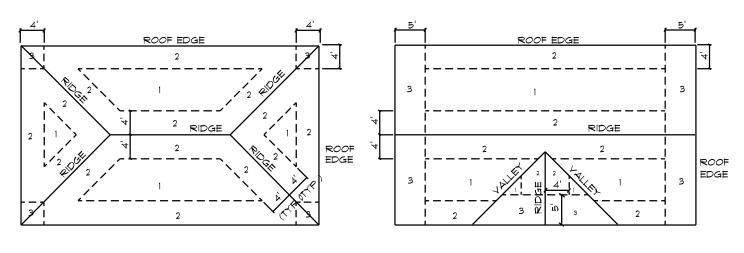




Girder Truss Column DET.

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

| F | ROOF SHEAT | THING FASTENIN | 165 |
|-----------------|-------------------------------|---|---|
| NAILING ZONE | SHEATHING TYPE | FASTENER | SPACING |
| 1 | | | 6 in. o.c. EDGE 6 in. o.c. FIELD |
| 2 | 7/16 " 0.5.B. OR 15/32 CDX | 8d RING SHANK OR 8d HOT DIPPED GALVANIZED | 6 in. o.c. EDGE 6 in. o.c. FIELD |
| 3 | | BOX NAILS | 4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD |



(HIP ROOF)

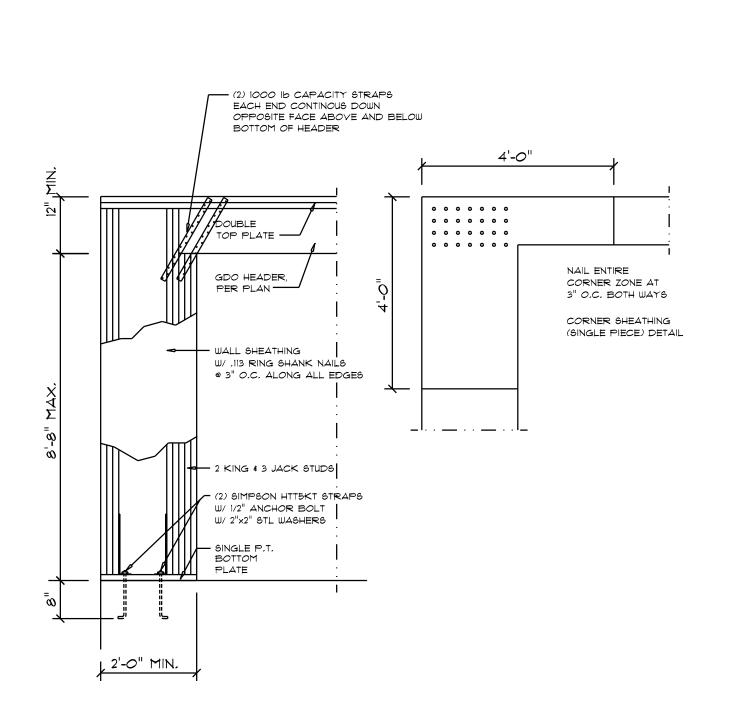
ROOF SHEATHING NAILING ZONES

ROOF SHEATHING NAILING ZONES (GABLE ROOF)

— DBL, TOP PLATE

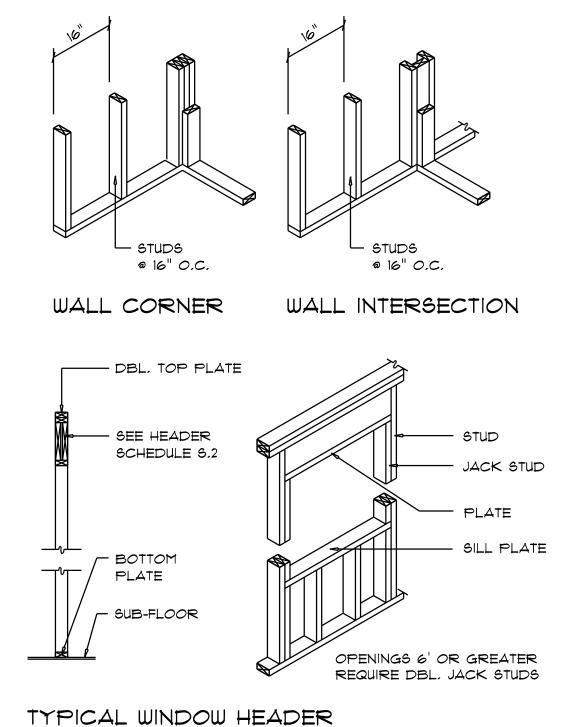


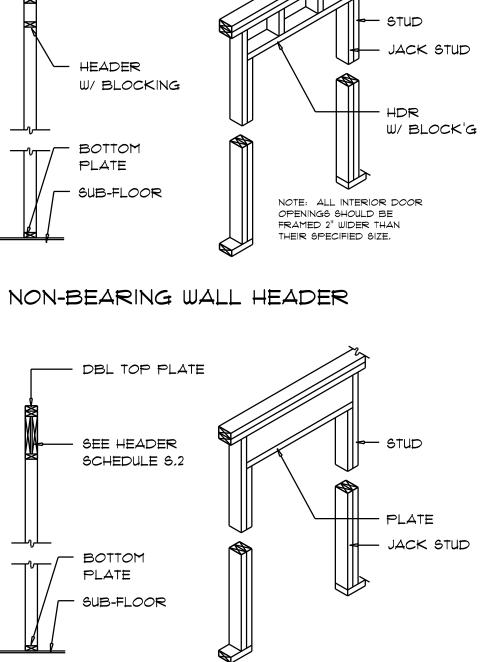


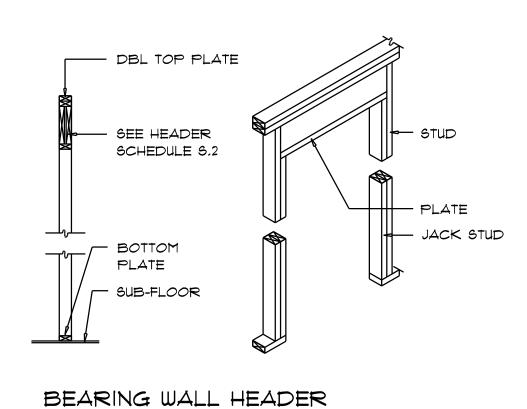


Garage End Wall DETAILS

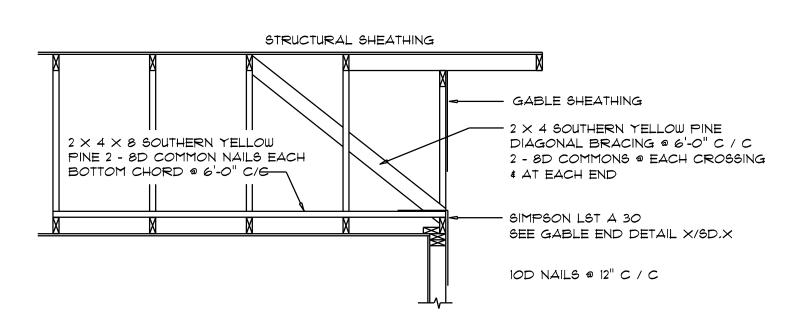
SCALE: 1/2" = 1'-0"







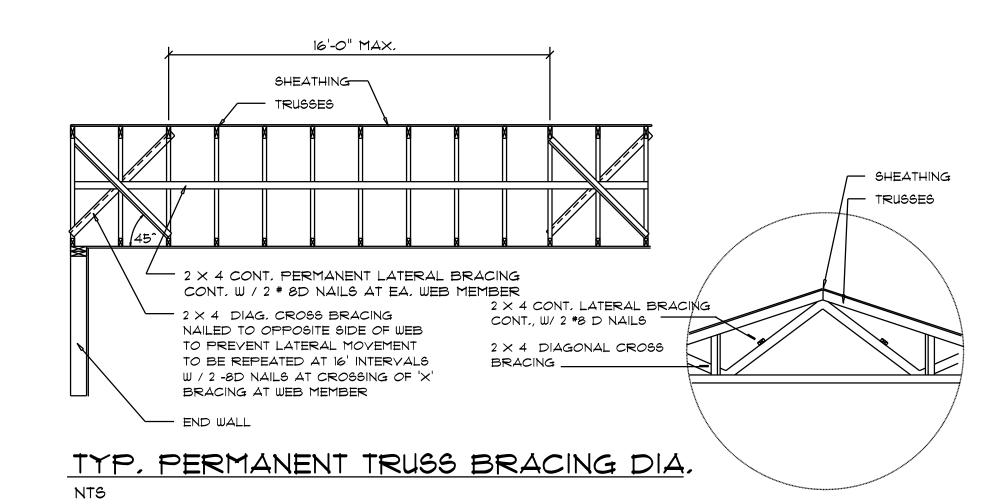
Wall Framing/Header DETAILS



END WALL BRACING FOR CEILING DIAPHRAGM

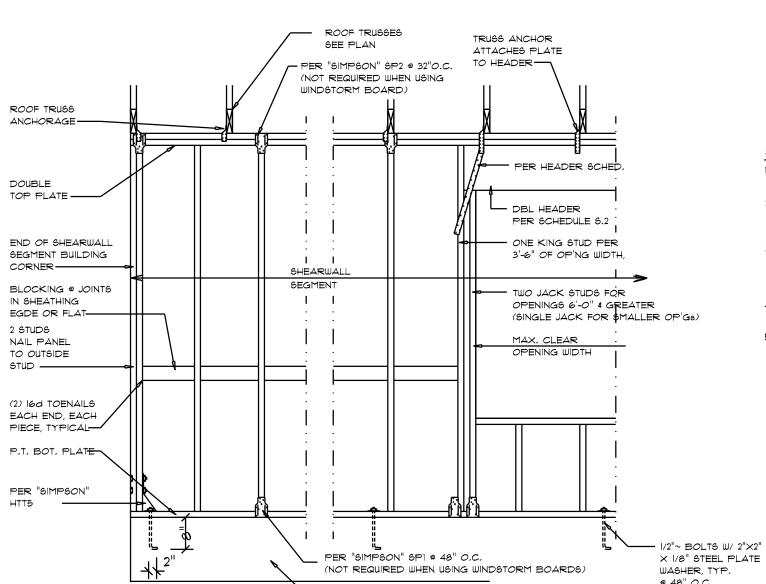
(ALTERNATIVE TO BALLOON FRAMING)

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





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



SHEARWALL NOTES:

12" O.C. IN THE FIELD.

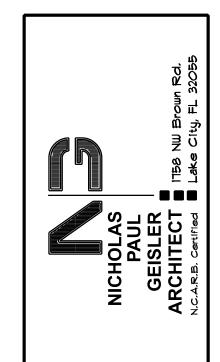
- 1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS 2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 1/16" WINDSTORM BD INCLUDING AREAS ABOVE
- AND BELOW OPENINGS 3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING. 4. NAIL SPACING SHALL BE 6" O.C. EDGES AND
- 5. 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" > 9' TO 12'-0" | (3) 2x4 OR (1) 2x6 (5) 2x4 OR (2) 2x6 | |
| 75 10 12-0 | (5) 2×4 OR (2) 2×6 | ع ا |

Shear Wall DETAILS

SCALE: NONE





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Ratliff

SHEET NUMBER OF 4 SHEETS

