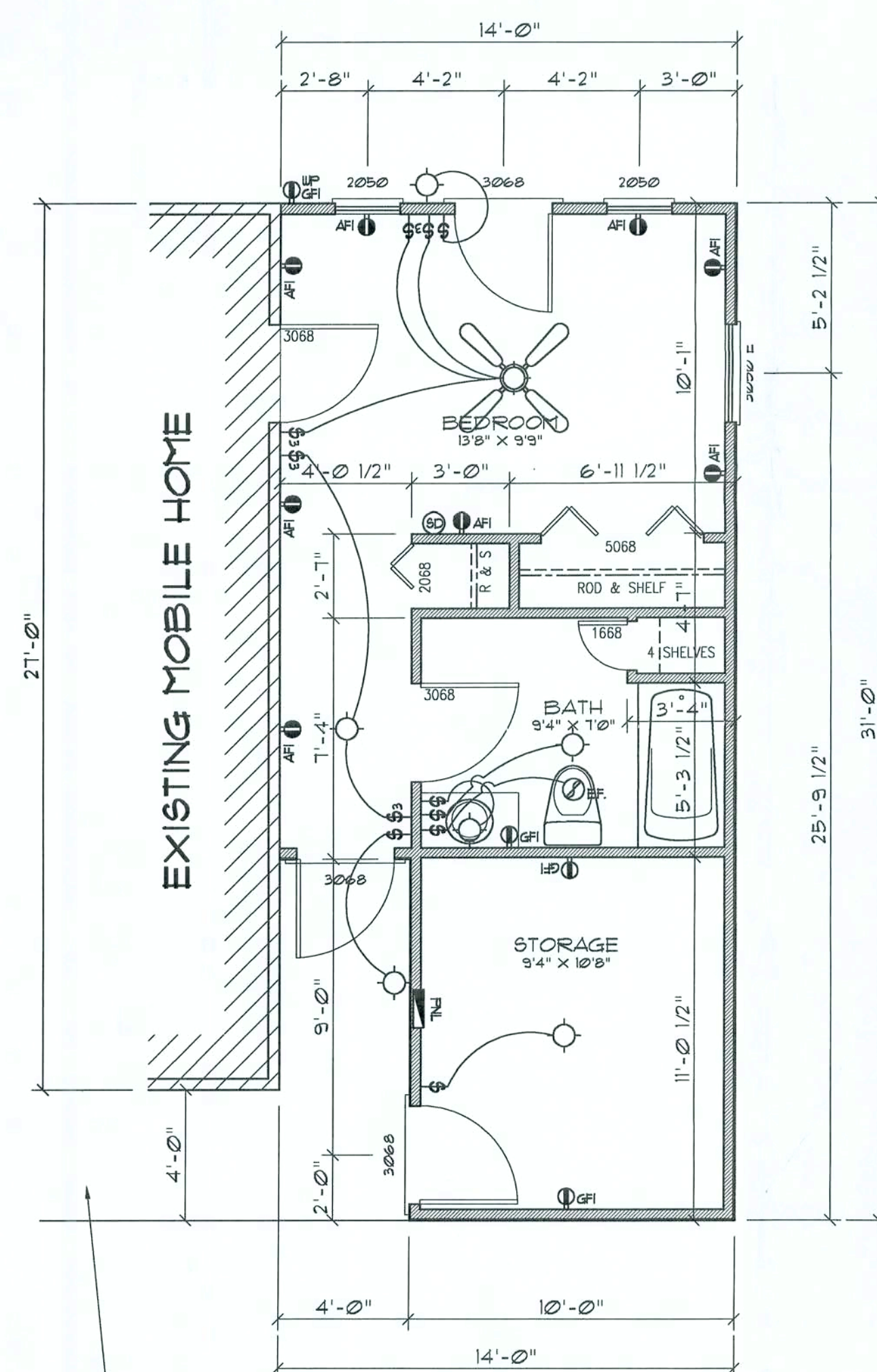


Building ELEVATIONS

SCALE: 3/16" = 1'-0"



PROVIDE ADA COMPLIANT WHEELCHAIR RAMP, W/ MAX. SLOPE = 1:12 - REFER TO GENERAL DETAIL. THIS SHEET FOR CONSTRUCTION - EXTEND AS REQUIRED W/ ADA HANDRAIL

PLAN @ Addition

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

ELECTRICAL PLAN NOTES

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

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

ALL RECEPTALS IN BEDROOMS SHALL BE ON ARC FAULT INTERRUPTER CIRCUITS (AFIC), PER NEC 210-12

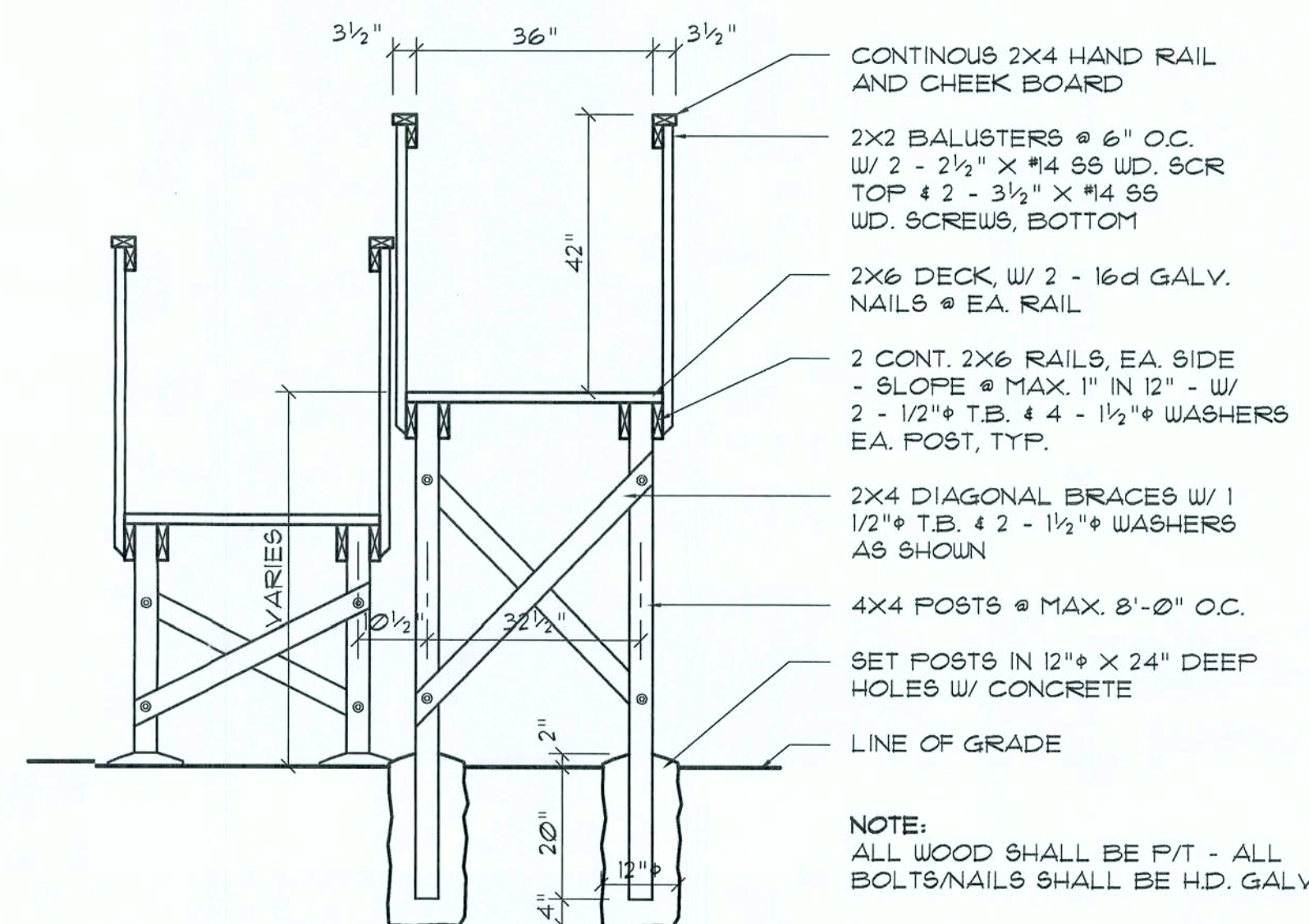
ALL RECEPTALS IN BATHROOMS, KITCHENS AND EXTERIOR LOCATIONS SHALL BE ON GROUND FAULT INTERRUPTER CIRCUITS (GFCI).

INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.

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.

ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADDNS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT N°. 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.



Ramp DETAIL

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

FLORIDA BUILDING CODE

Compliance Summary

TYPE OF CONSTRUCTION

Roof: Gable Construction, Wood Rafters @ 16" O
Walls: 2x4 Wood Studs @ 16" O.C.
Floor: 3/4" Plywood on 2x8 framing @ 16" O.C.
Foundation: CMU Piers on Concrete Pads

ROOF DECKING

Material: 1/6" OSB
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing
Fasteners: 8d Common Nails per schedule on sheet A2

SHEARWALLS

Material: 1/6" OSB, "WindSTORM" Sheathing
Sheet Size: 48"x96" Sheets Placed Vertical
Fasteners: 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior
Diaphragms: Double Top Plate (3" x 12") w/ 16d Nails @ 12" O.C.
Wall Studs: 2x4 Hem Fir Studs @ 16" O.C.

HURRICANE UPLIFT CONNECTORS

Truss Anchors: Simpson H2.5A @ Ea. Rafter End (Typ. U.O.N.)
Wall Tension: Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. Top & Bot.
Hold-down Devices: (2) "Simpson" FALB Straps @ ea. Pier

FOOTINGS AND FOUNDATIONS

Footing: 32" SQ. X 10" Concrete Pad, w/ 4 #5 Rebar Each Way, Bot.
Piers: 8" CMU, w/ 2-#5 Vertical Dowel

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2004 EDITION.

BASIC WIND SPEED:	110 MPH
WIND IMPORTANCE FACTOR (I):	1 = 100
BUILDING CATEGORY:	CATEGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18
MPRS PER TABLE 1609.2A (FBC 2004)	ROOF: - 23.1 PSF
DESIGN WIND PRESSURES:	WALLS: + 26.6 PSF
	EAVES: - 32.3 PSF
COMPONENTS & CLADDING PER TABLES 1609.2B & 1609.2C (FBC 2004)	OPNGS: + 21.8 / - 29.1 PSF
DESIGN WIND PRESSURES:	EAVES: - 68.3 PSF
	ROOF: + 19.9 / - 25.5 PSF

ALTERATIONS & ADDITIONS TO HOME for:
MS. L. READOUT
COLUMBIA COUNTY, FLORIDA
FLOOR PLAN - ELEVATIONS

NICHOLAS PAUL GEISLER ARCHITECT
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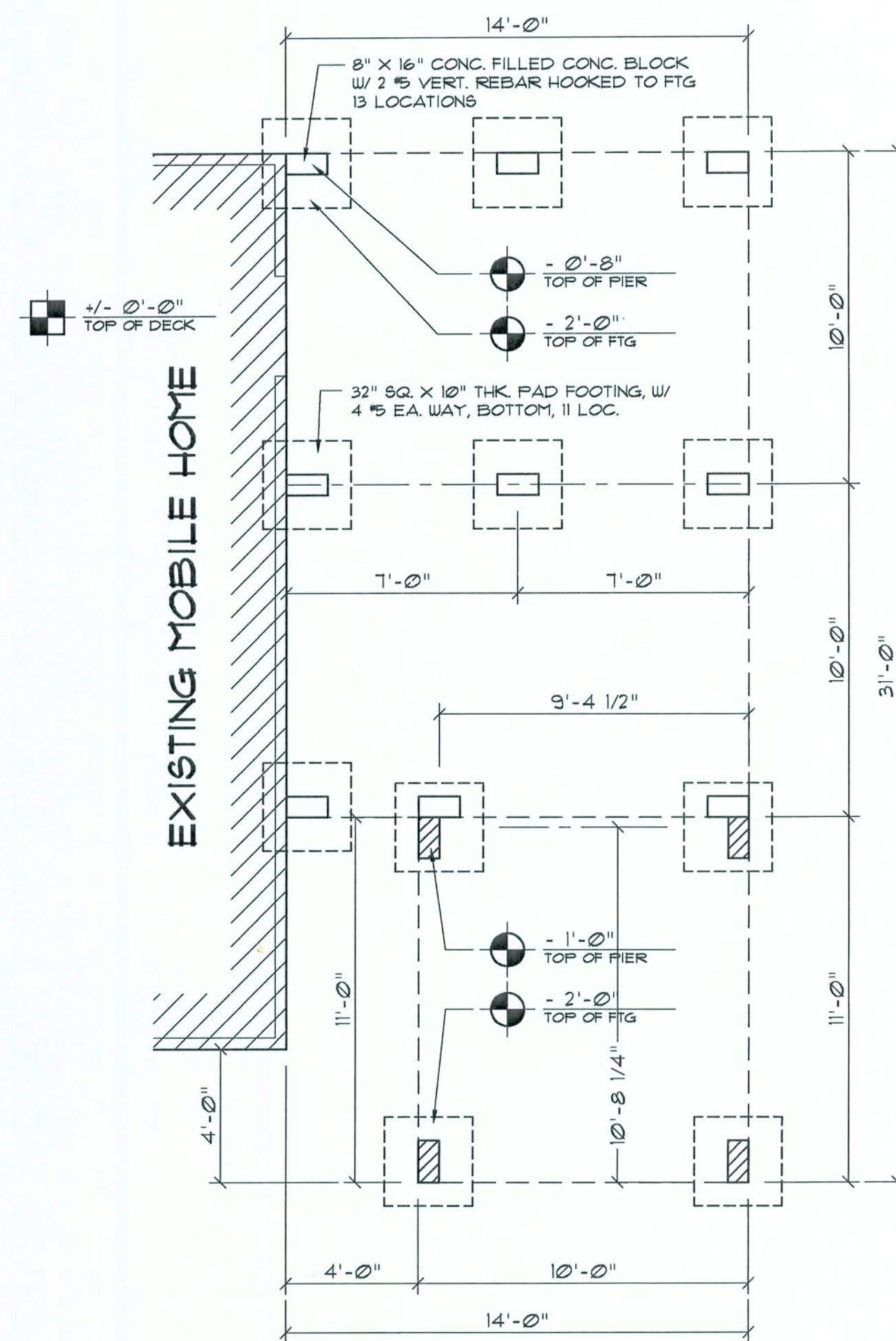
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19 FEB 2006

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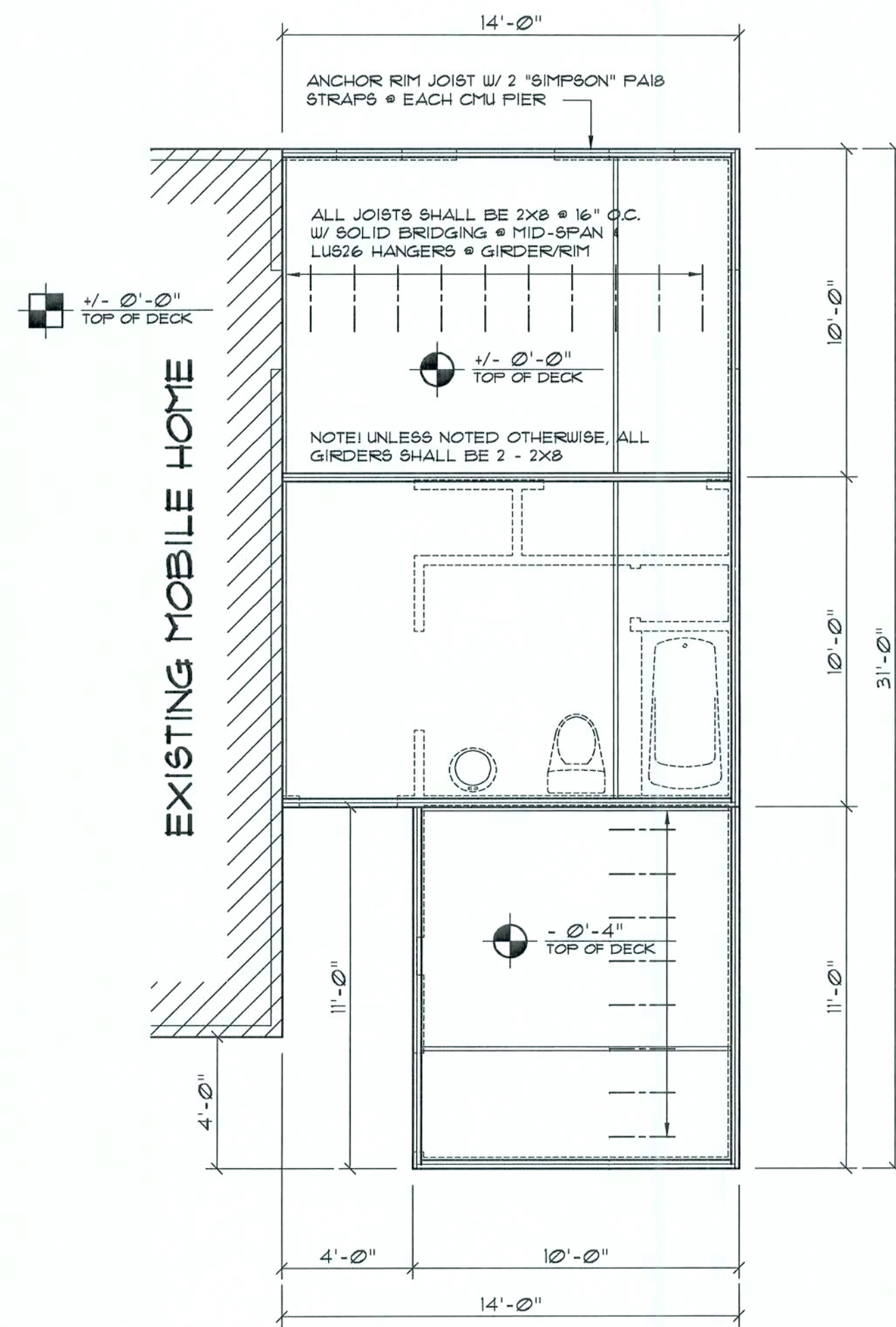
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NOTE:
ADDED FILL SHALL BE APPLIED IN 8" LIFTS -
EA. LIFT SHALL BE COMPACTED TO 95% DRY
COMPACTION PER THE "MODIFIED PROCTOR"
METHOD.

Foundation PLAN

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

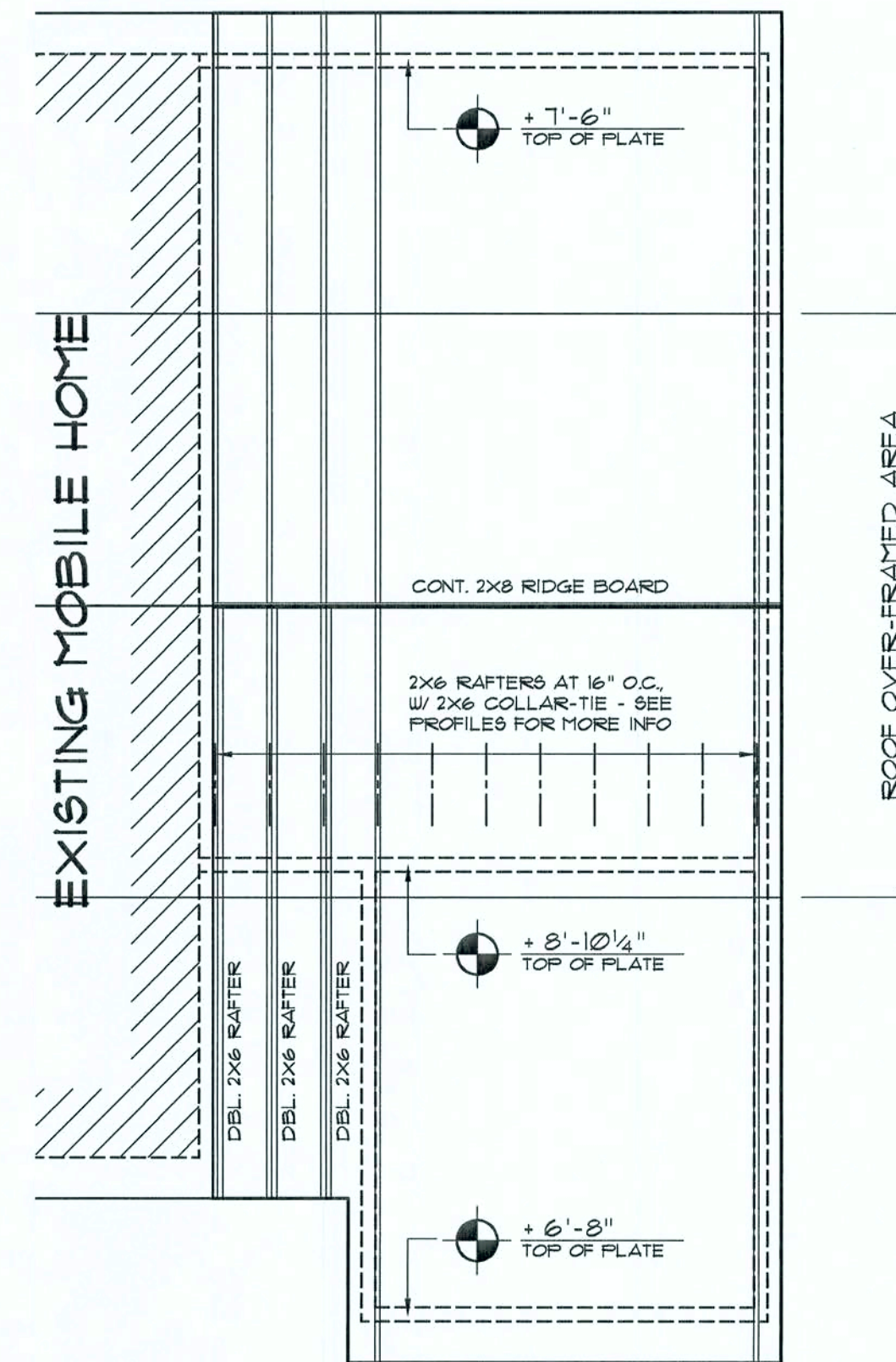


NOTE!
SHEATH FLOOR w/ 3/4" T&G CDX PLYUD. PLACED
w/ LONG DIMENSION PERPENDICULAR TO THE
FLOOR TRUSSES. SECURE TO FRAMING w/ 10d
NAILS - 4" O.C. ALONG EDGES & 8" O.C. ALONG
INTERMEDIATE SUPPORTS.

Floor Framing PLAN

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

NOTE!
ALL EXTERIOR WALLS ARE SHEAR WALLS -
REFER TO DETAIL C/A2 FOR NOTES



NOTE!
SHEATH ROOF w/ 1/2" OSB PLACED WITH
LONG DIMENSION PERPENDICULAR TO THE
ROOF FRAMING, SECURE TO FRAMING AS
PER DETAIL

NOTE!
ALL HEADERS IN BEARING WALLS SHALL
BE A MINIMUM OF 2 - 2X6 w/ 1/2" CDX
FLITCH PLATE - ALL OTHER HEADERS MAY
BE A MINIMUM OF 2 - 2X4 w/ 1/2" CDX

NOTE!
THE DESIGN WIND SPEED FOR THIS
PROJECT IS 110 MPH PER 2004 FBC 16-02
AND LOCAL JURISDICTION REQUIREMENTS

Roof Framing PLAN

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

NOTE!
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP
DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL
DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING
REPORT - CONTR. SHALL PROVIDE 1 COPY OF AS-BUILT DUGS TO OWNER AND
1 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 - CONTR. SHALL PROVIDE 1 COPY OF AS-BUILT DUGS TO OWNER AND
1 COPY TO THE PERMIT ISSUING AUTHORITY.

CONCRETE / MASONRY / METALS GENERAL NOTES:

- DESIGN SOIL BEARING PRESSURE: 1000 PSF.
- 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 PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- 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.
- REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- 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.
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - F'm = 1500 PSI.
- MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.

WOOD STRUCTURAL NOTES

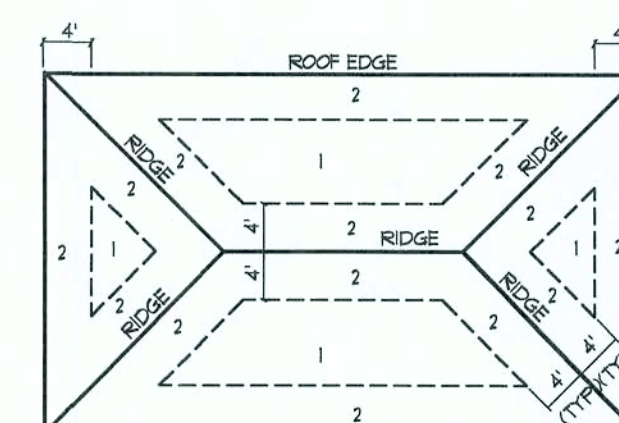
- TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED.
- WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN #2 HEM-FIR OR BETTER.
- CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED 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.

ROOF PLAN NOTES

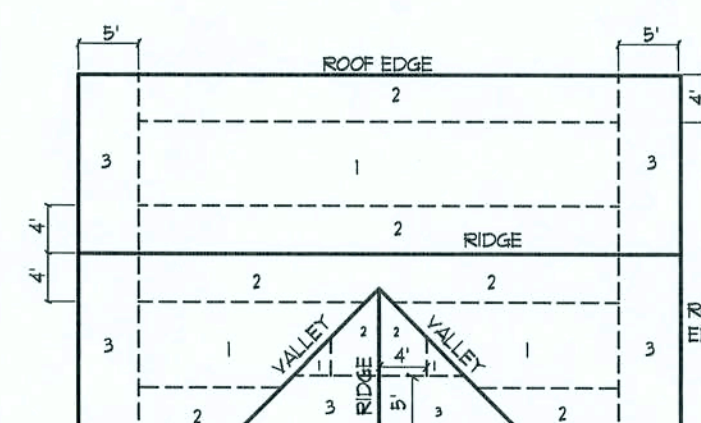
- R-1 ALL ROOF PITCH 6/12
R-2 ALL OVERHANG 18" UNLESS OTHERWISE NOTED
R-3 PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH SCHEDULE ON SD-3
R-4 SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HEEL HEIGHTS
R-5 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

NOTE!
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

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	1/2" OSB OR 5/8" CDX	8d COMMON OR 8d HOT DIPPED GALVANIZED BOX NAILS	6 in. o.c. EDGE 12 in. o.c. FIELD
2			6 in. o.c. EDGE 6 in. o.c. FIELD
3			4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSSES 6 in. o.c. EDGE 6 in. o.c. FIELD



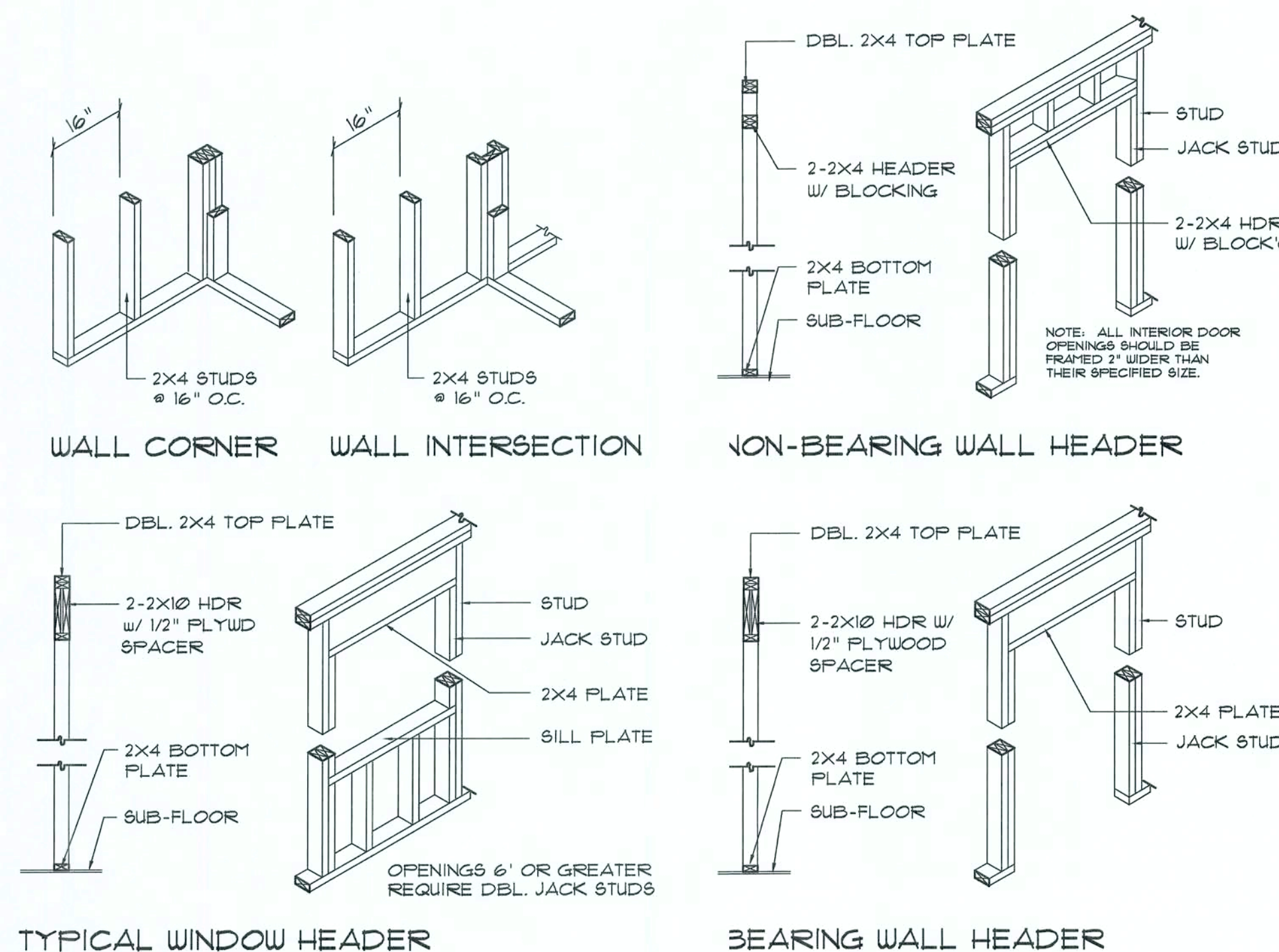
ROOF SHEATHING NAILING ZONES
(HIP ROOF)



ROOF SHEATHING NAILING ZONES
(GABLE ROOF)

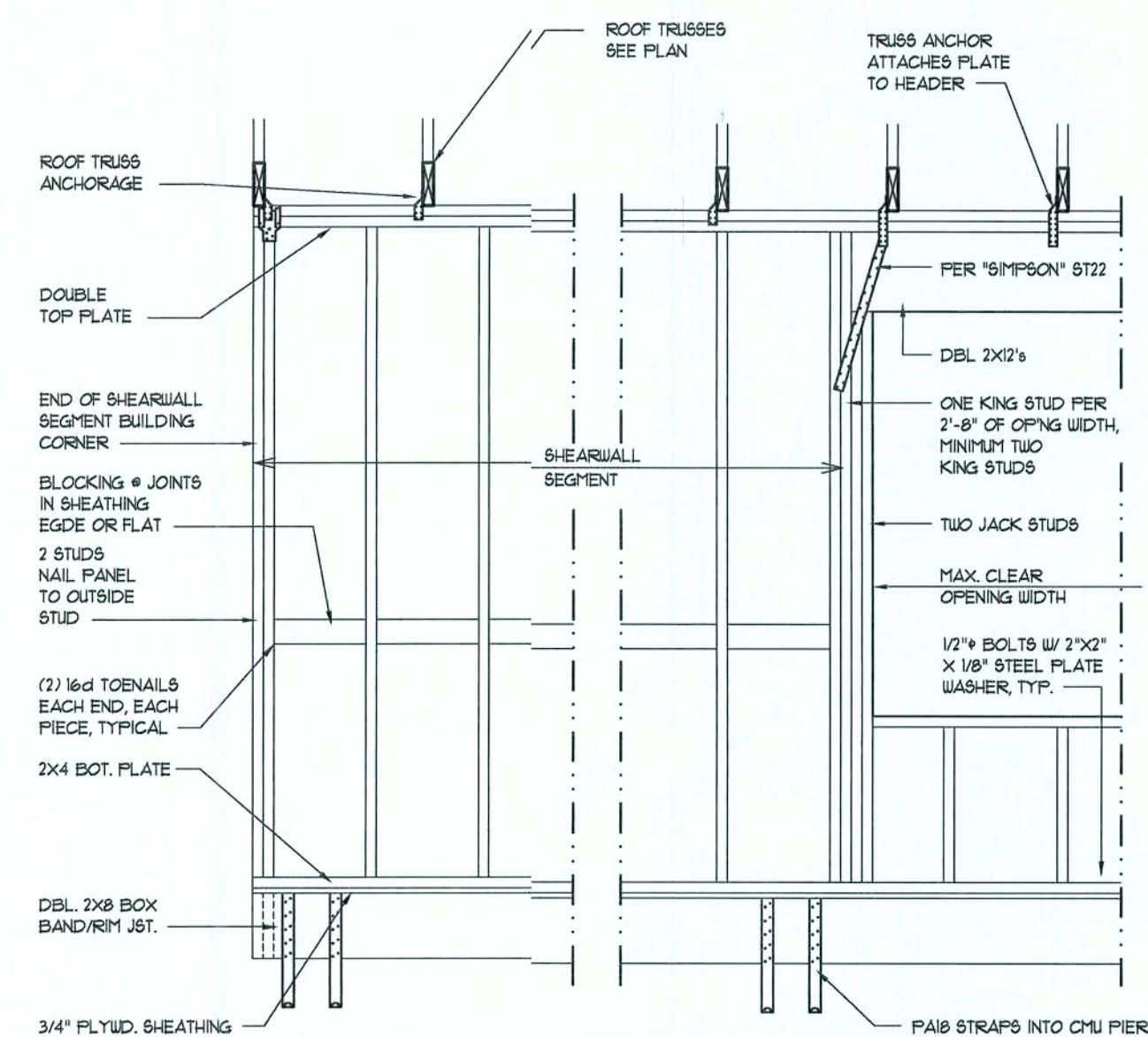
Roof Nail Pattern DET.

SCALE: NONE



Wall Framing/Header DETAILS

SCALE: NONE



Shear Wall DETAILS

SCALE: NONE

- SHEARWALL NOTES:**
- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DERIVED BY STD 10-91 (SECCI) 305.43.
 - THE WALL SHALL BE ENTIRELY SHEATHED WITH 1/2" OSB 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 6" O.C. EDGES AND 12" O.C. IN THE FIELD.
 - 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/35 FOR 8'-0" WALLS (2'-3").

OPENING WIDTH	SILL PLATES	1/2" TOE NAILS EACH END
UP TO 6'-0"	(1) 2X4 OR (1) 2X6	1
6'-0" TO 9'-0"	(3) 2X4 OR (1) 2X6	2
9'-0" TO 12'-0"	(5) 2X4 OR (2) 2X6	3

REVISION:

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I.P. Geisler, Architect

DRAWN:

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ALTERATIONS & ADDITIONS TO HOME FOR:

MS. L. READOUT

COLUMBIA COUNTY, FLORIDA

STRUCTURAL PLANS & DETAILS

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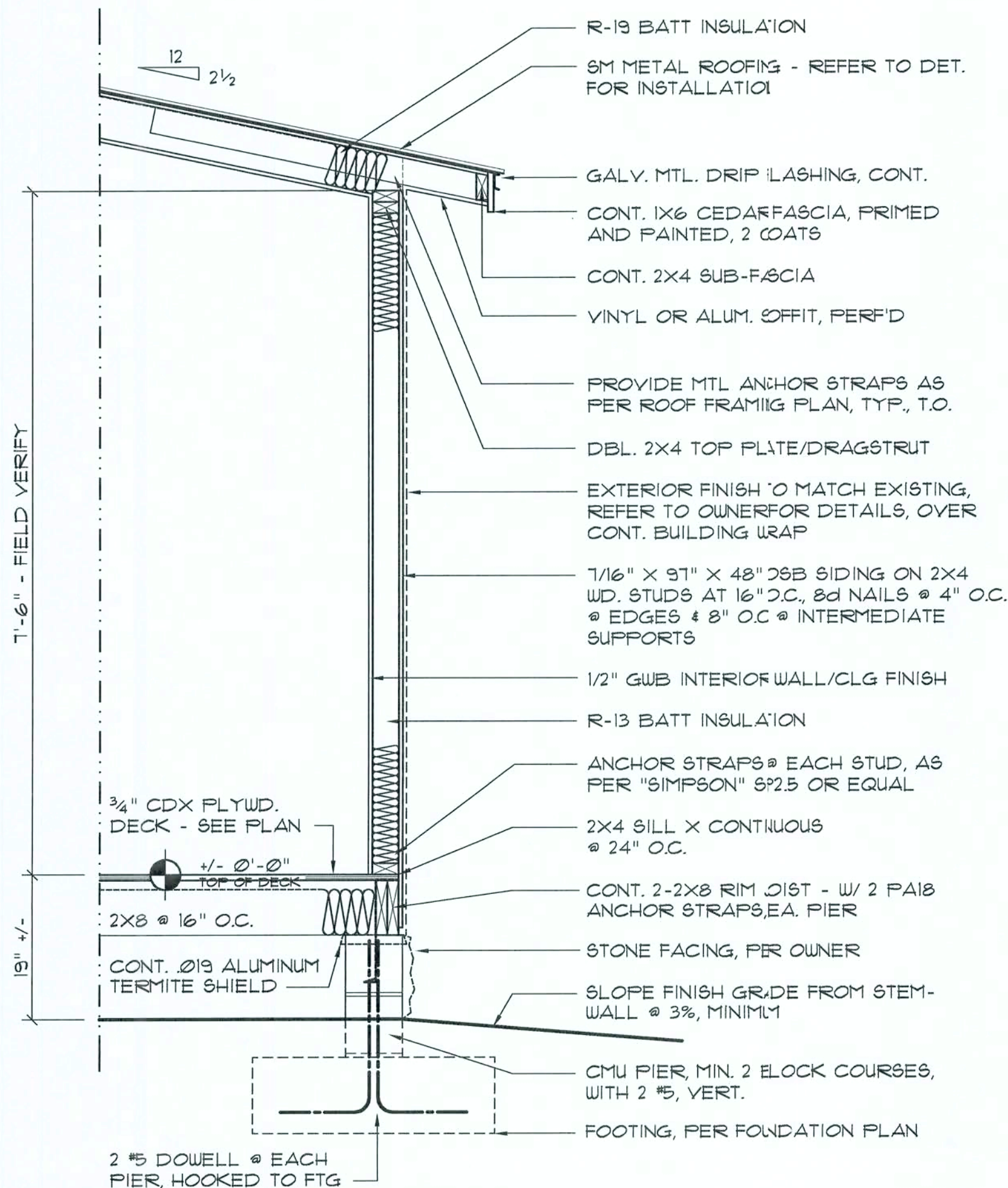
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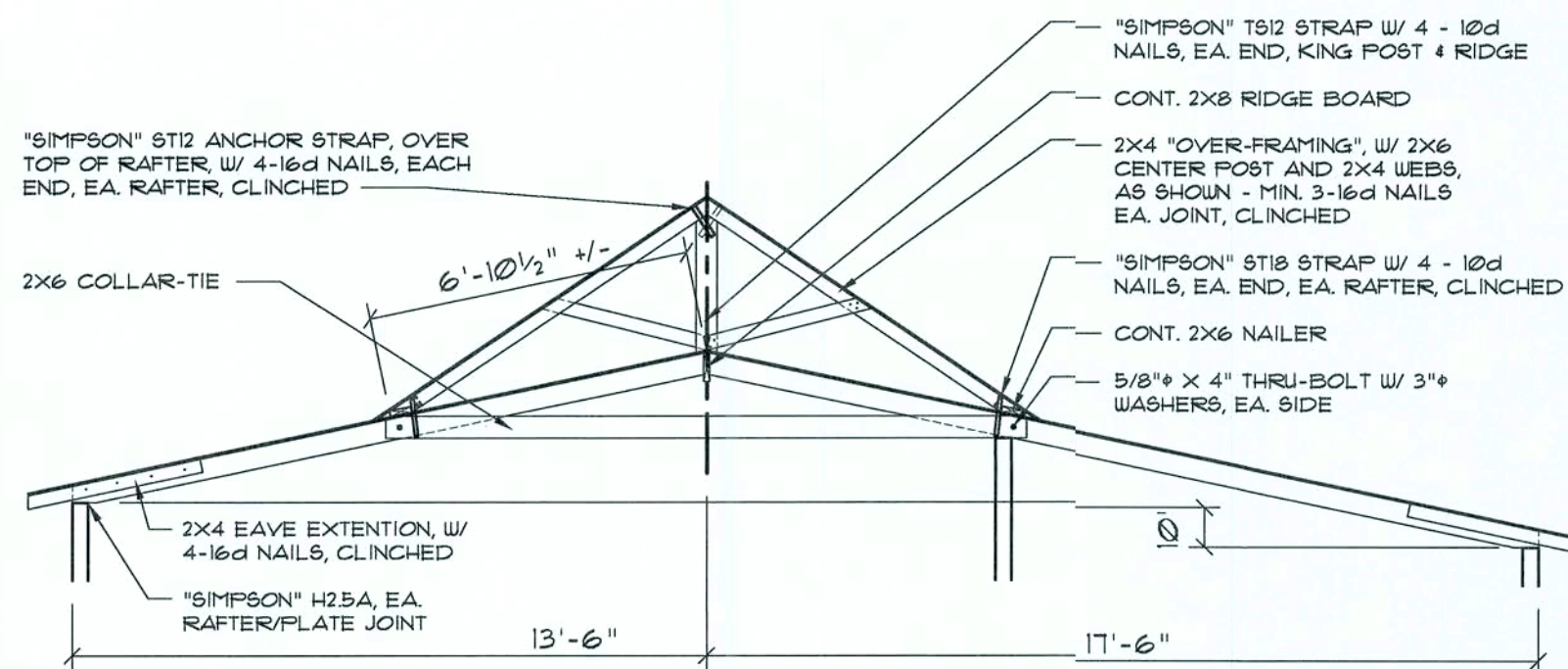
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Typical Wall SECTION

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

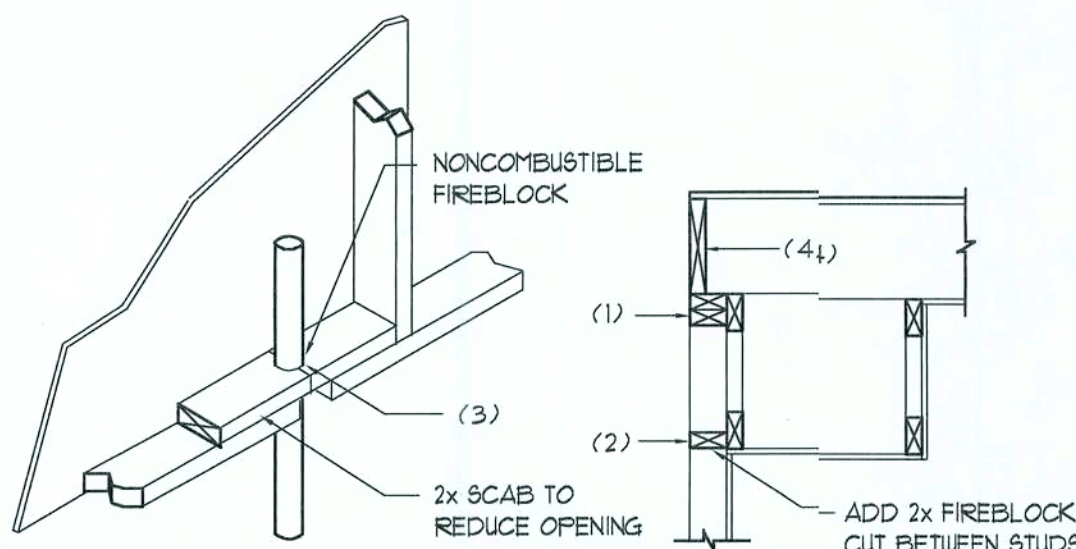
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Roof PROFILES

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

B



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 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 ANY ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

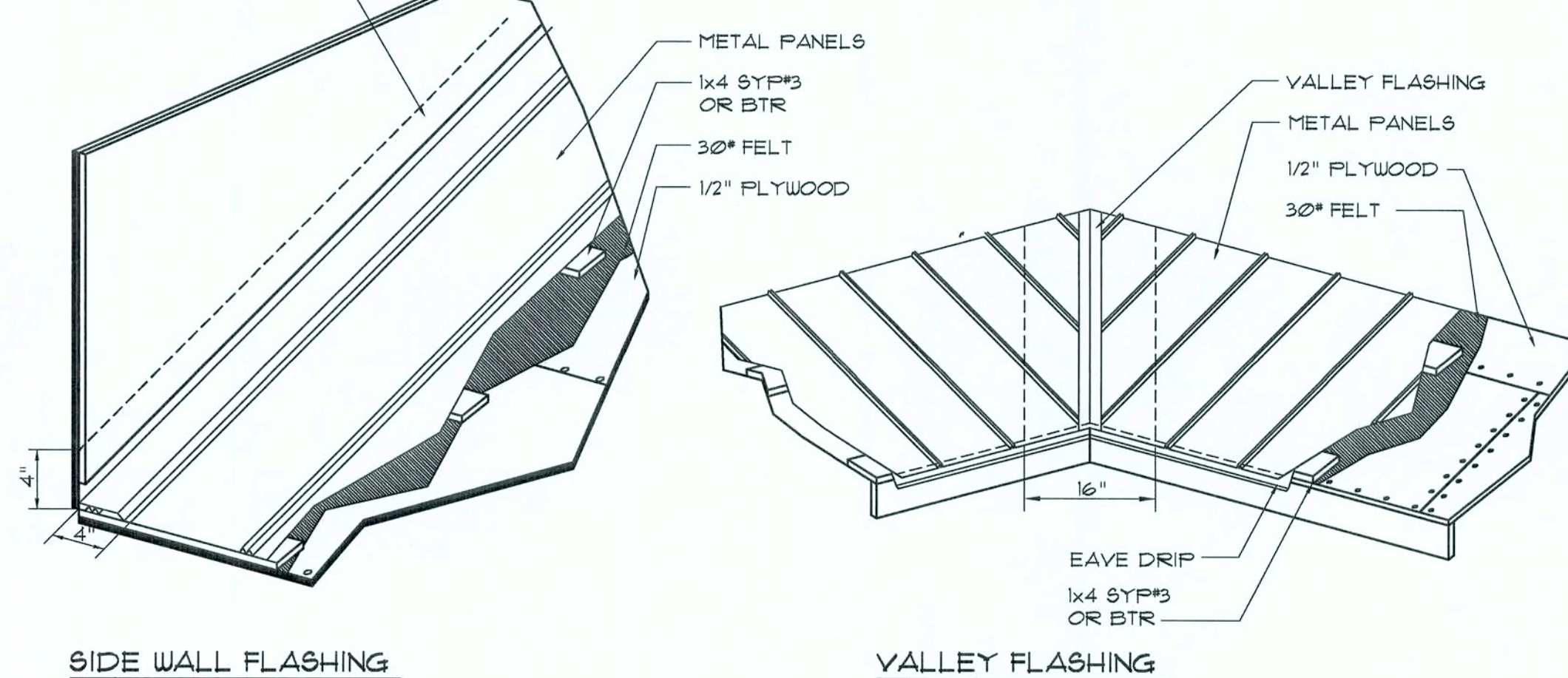
Fire Stopping DETAILS

SCALE: NONE

D

9M-RIB METAL ROOFING PANELS ALTERNATE FASTENER SCHEDULE FOR VARIOUS WIND VELOCITIES									
MANUFACTURER'S RECOMMENDED FASTENER SCHEDULE FOR BUILDINGS W/ < 35' MEAN ROOF HEIGHT, MIN. 3/12 PITCH BASED ON ASCE 7-98, EXPOSURE 'C'									
ROOF ZONE	FASTENER TYPE	FASTENER SIZE	PLACEMENT TO	100 - 110 O/C SPACING	120 - 130 O/C SPACING	140 - 150 O/C SPACING	160 - 170 O/C SPACING	180 - 190 O/C SPACING	200 - 210 O/C SPACING
1	WD. SCREW	#3 X 1 1/2"	WOOD	36"	18"	24"	12"	24"	12"
	MTL. SCR.	#12 X 1" #4 X 1 7/8"	< 18 GA > 18 GA	36"	18"	24"	12"	24"	12"
2 & 3	WD. SCREW	#3 X 1 1/2"	WOOD	36"	18"	24"	12"	24"	8"
	MTL. SCR.	#12 X 1" #4 X 1 7/8"	< 18 GA > 18 GA	36"	18"	24"	12"	24"	8"

FLASHING PLACED UPSLOPE FROM EXPOSED EDGE OF METAL PANEL EXTENDING 4 INCHES OVER METAL PANEL AND 4 INCHES UP VERTICAL UNDER WALL FINISH.



General Roofing NOTES:

DECK REQUIREMENTS:

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

SLOPE:

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 GAUGE AND COMPLY WITH ASTM A-792 AND D 1-98 EXPOSURE C AS ADOPTED IN SOUTH FLORIDA.

FASTENERS:

FASTENERS FOR METAL PANELS SHALL BE GALVANIZED WOOD FAST SCREW, MINIMUM OF #3 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 F.A. 125.

BASE AND CAP FLASHINGS:

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

- RC-1 - RIDGE CAP
- ED-1 - EAVE DRIP
- EF-3 - EAVE FLASHING
- SW-1 - SIDEWALL FLASHING
- EW-1 - ENDWALL FLASHING
- GR-4 - GABLE END OR RAKE BOARD FLASHING
- TF-1 - TRANSITION FLASHING
- FV-2 - PREFORMED VALLEY FLASHING
- BUTYL TAPE
- SEALANT TAPE
- PIPEBOOT

UNDERLAYMENT APPLICATION:

FOR ROOF SLOPES FROM 3:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:

- STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.
- 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 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/ MFR'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 11 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:

- 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 1507.3.3.2.
- 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.
- CLOSED VALLEYS: VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
 - BOTH TYPES 1 AND 2 ABOVE, COMBINED.
 - ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.
 - SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE & COMPLYING WITH ASTM D 1812.

METAL ROOFING

SCALE: NONE

C

REVISION:

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ALTERATIONS & ADDITIONS TO HOME for:
MS. L. READOUT
COLUMBIA COUNTY, FLORIDA
WALL SECTION & ROOF PROFILES

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