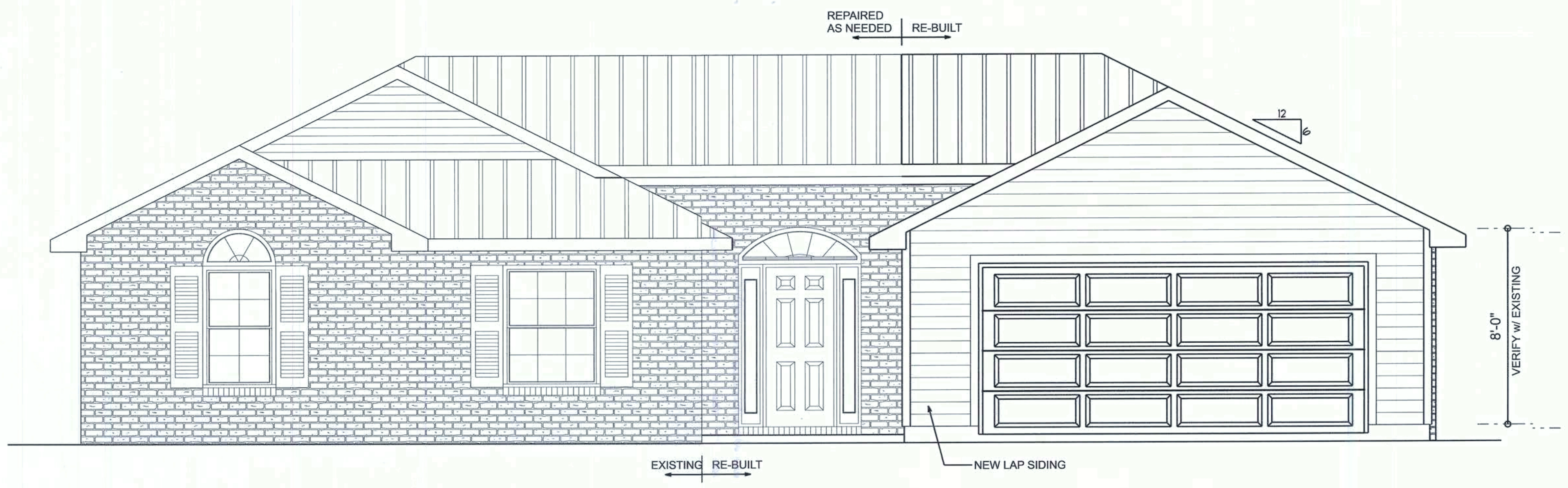
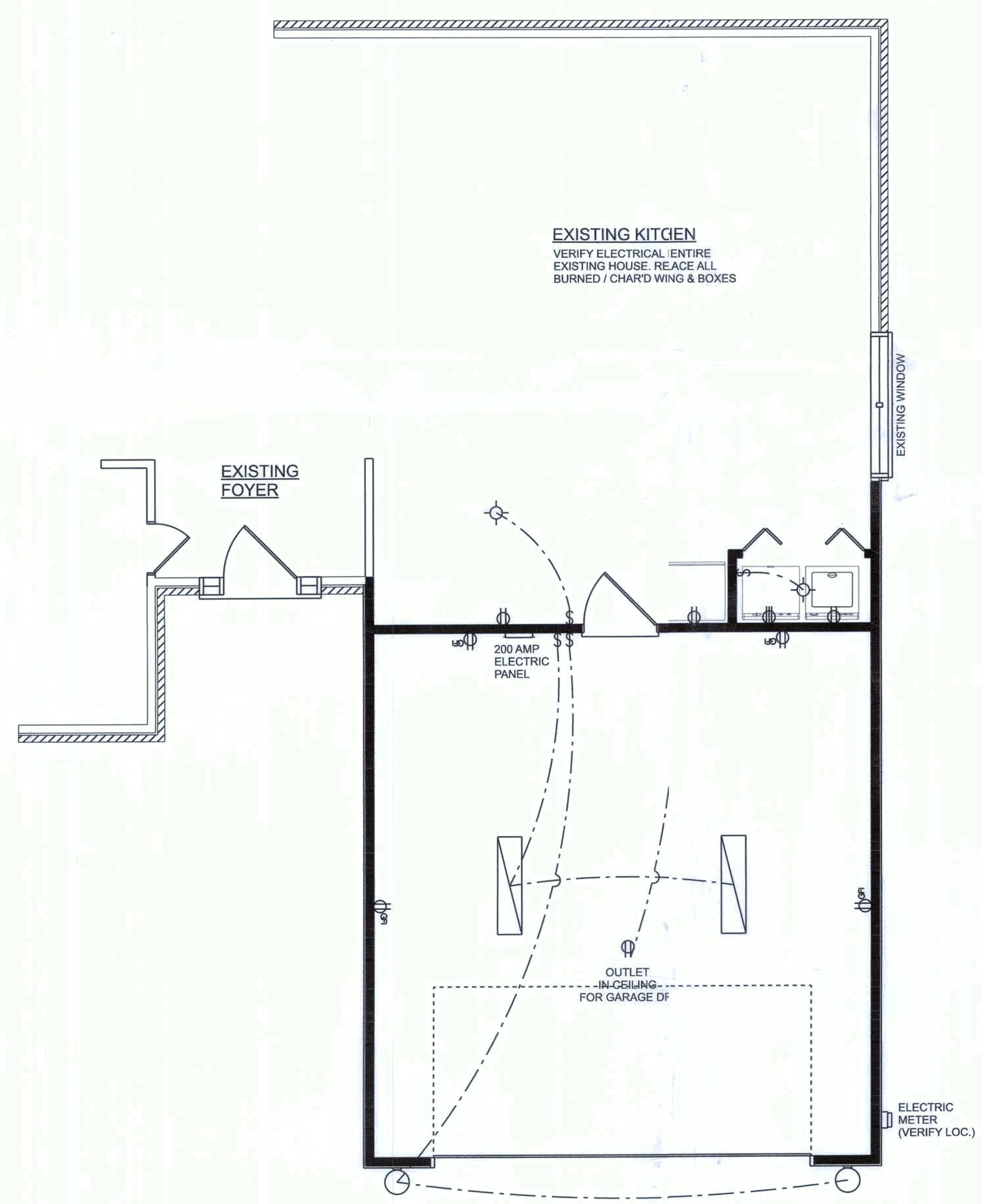


RENOVATED FRONT ELEVATION
SCALE: 1/4" = 1'-0"

RENOVATED SIDE ELEVATION
SCALE: 1/4" = 1'-0"



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

Garage fire separations shall comply with the following:

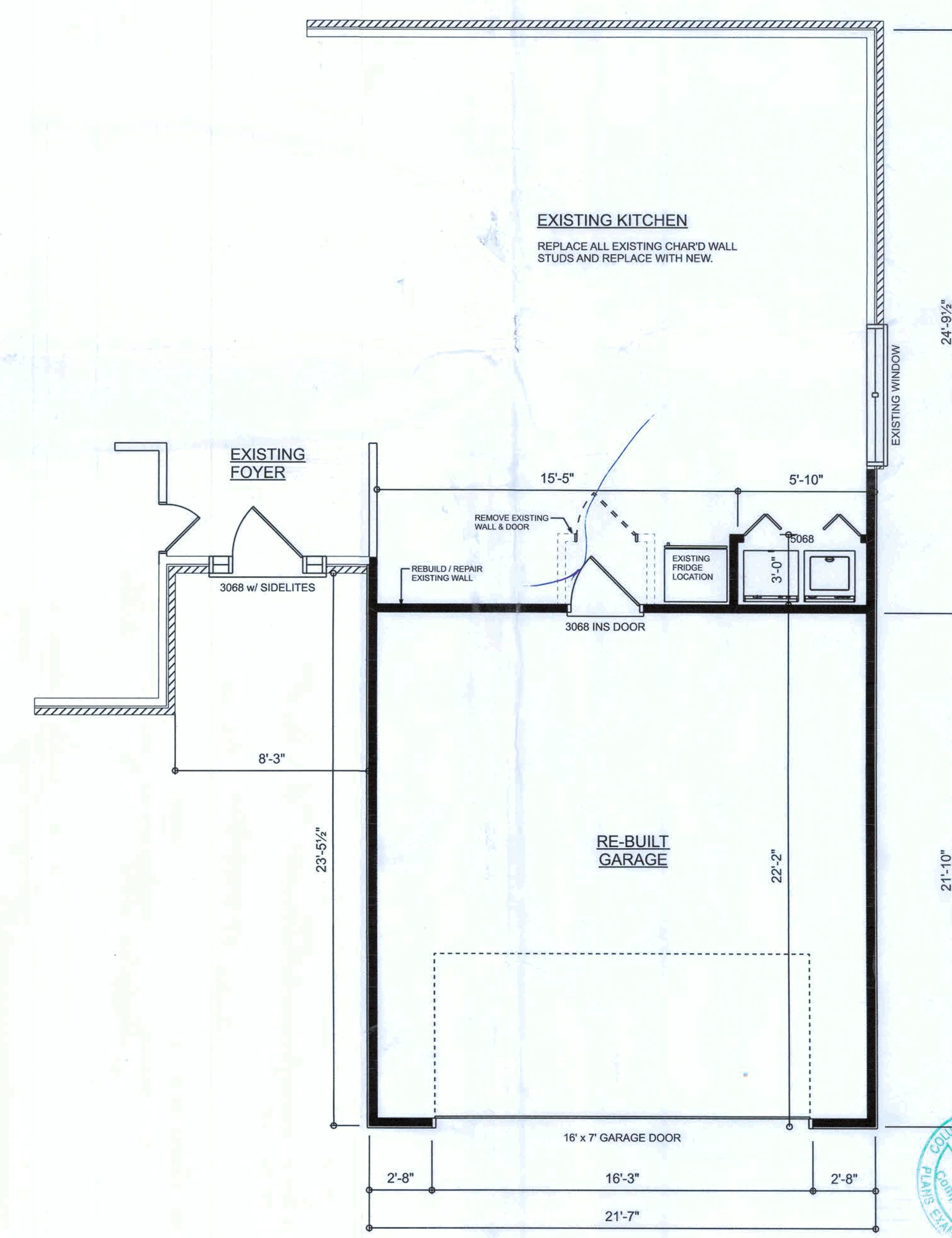
1. The private garage shall be separated from the dwelling unit and its attic area by means of a minimum 1/2-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch Type X gypsum board or equivalent. Door openings between a private garage and the dwelling unit shall be equipped with either solid wood doors, or solid or honeycomb core steel doors not less than 13/8 inches (34.9 mm) thick, or doors in compliance with Section 715.3.3. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted.

2. Ducts in a private garage and ducts penetrating the walls or ceilings separating the dwelling unit from the garage shall be constructed of a minimum 0.019-inch (0.48 mm) sheet steel and shall have no openings into the garage.

3. A separation is not required between a Group R-3 and U carport provided the carport is entirely open on two or more sides and there are not enclosed areas above.

4. When installing an attic access and/or pull-down stair unit in the garage, devise shall have a minimum 20 min. fire rating.

THIS PROJECT IS FOR REPAIR & REBUILD OF FIRE DAMAGED STRUCTURE. THE SCOPE OF WORK IS FROM EXISTING FLOOR UP. ALL CONCRETE FOUNDATION IS EXISTING.



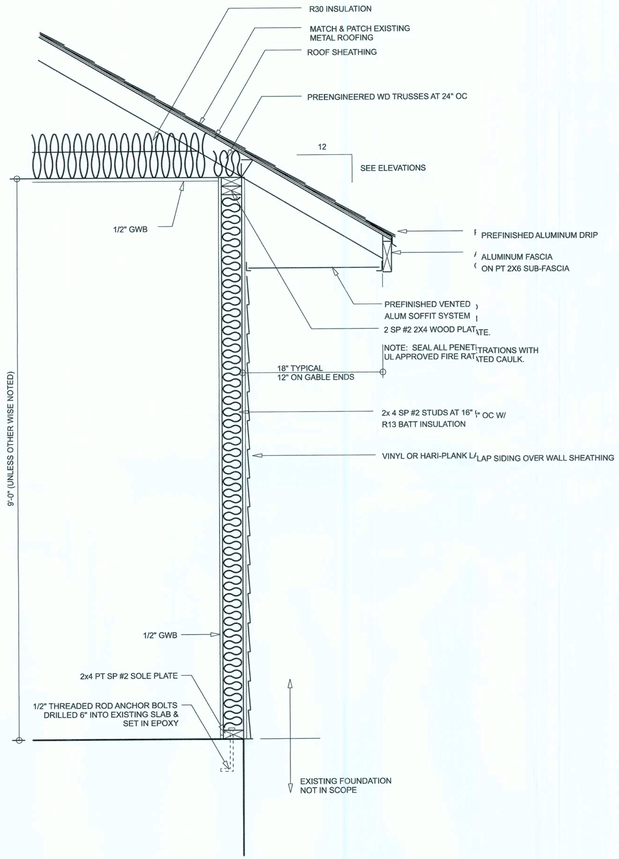
RENOVATED FLOOR PLAN
SCALE: 1/4" = 1'-0"

REVISIONS SCHEDULE	
Dec. 4th, 2018	ORIGINAL DRAWINGS
APRIL 22nd, 2019	REVISED DRAWINGS

FIRE DAMAGE REPAIR & PORCH ADDITION:
HELEN ROBERSON
252 SW Pilots Way Lake City, FL 32025

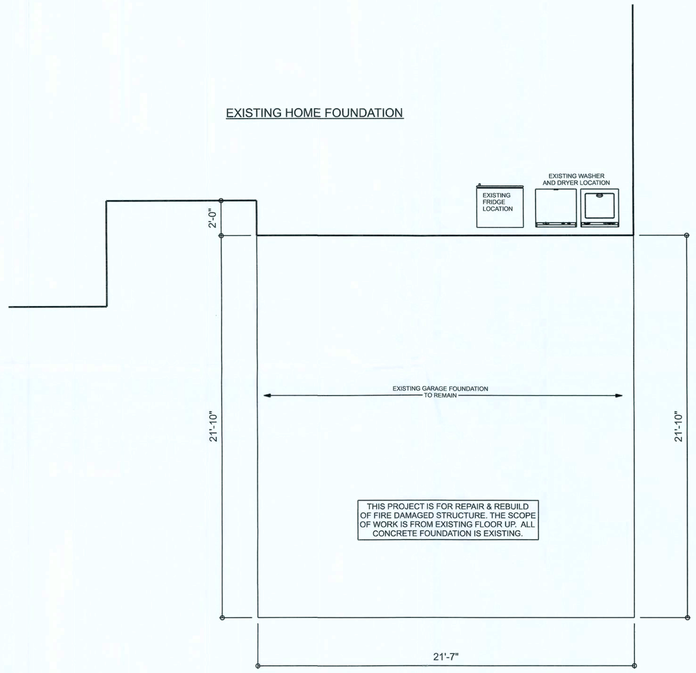
RIDGEPOINT DESIGN
P: 386-288-1188
E: RIDGEPOINTDESIGN@GMAIL.COM

SHEET NUMBER
A.1
OF 1 SHEETS



TYPICAL WALL SECTION

SCALE: 1" = 1'-0"



EXISTING FOUNDATION PLAN

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

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

NOTE:
ADDED FILL SHALL BE APPLIED IN 12" LIFTS - EA. LIFT SHALL BE COMPACTED TO 95% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.

NOTE:
THE PROJECT IS DESIGNED IN ACCORDANCE WITH ASCE 24

REVISIONS
Dec. 19th. 2018
APRIL 22nd. 2019

FIRE DAMAGE REPAIR & PORCH ADDITION:
HELEN ROBERSON
252 SW Pilots Way Lake City, FL 32025

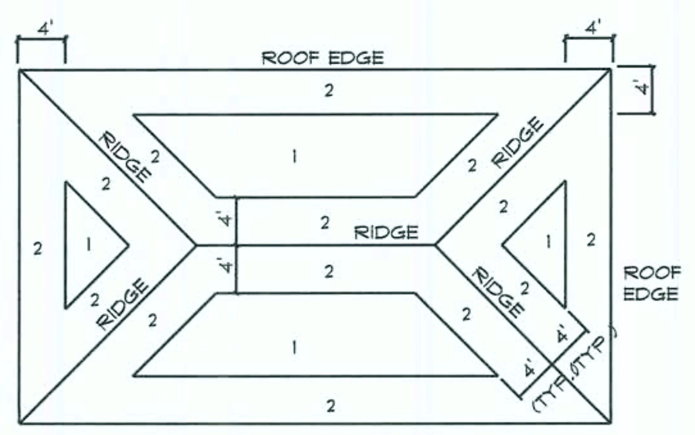
NICOLAO PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1756 NW Brown Rd.
Lake City, FL 32055
(386) 755-5021

SHEET NUMBER
OF 4 SHEETS

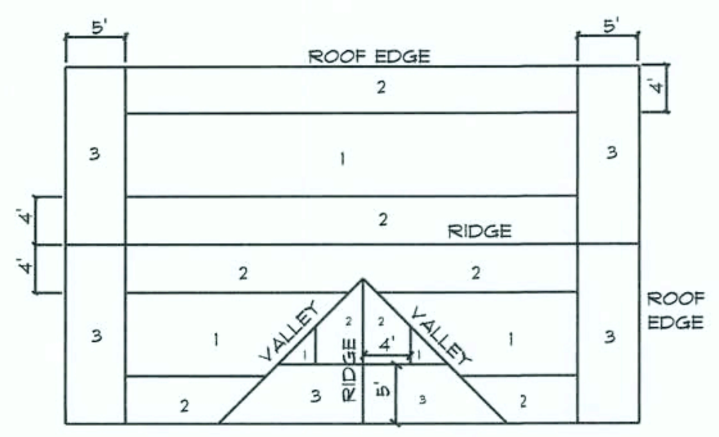
AR0007005

A.1

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	7/16 " O.S.B. OR 15/32 CDX	.113 RING SHANKED 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 TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD



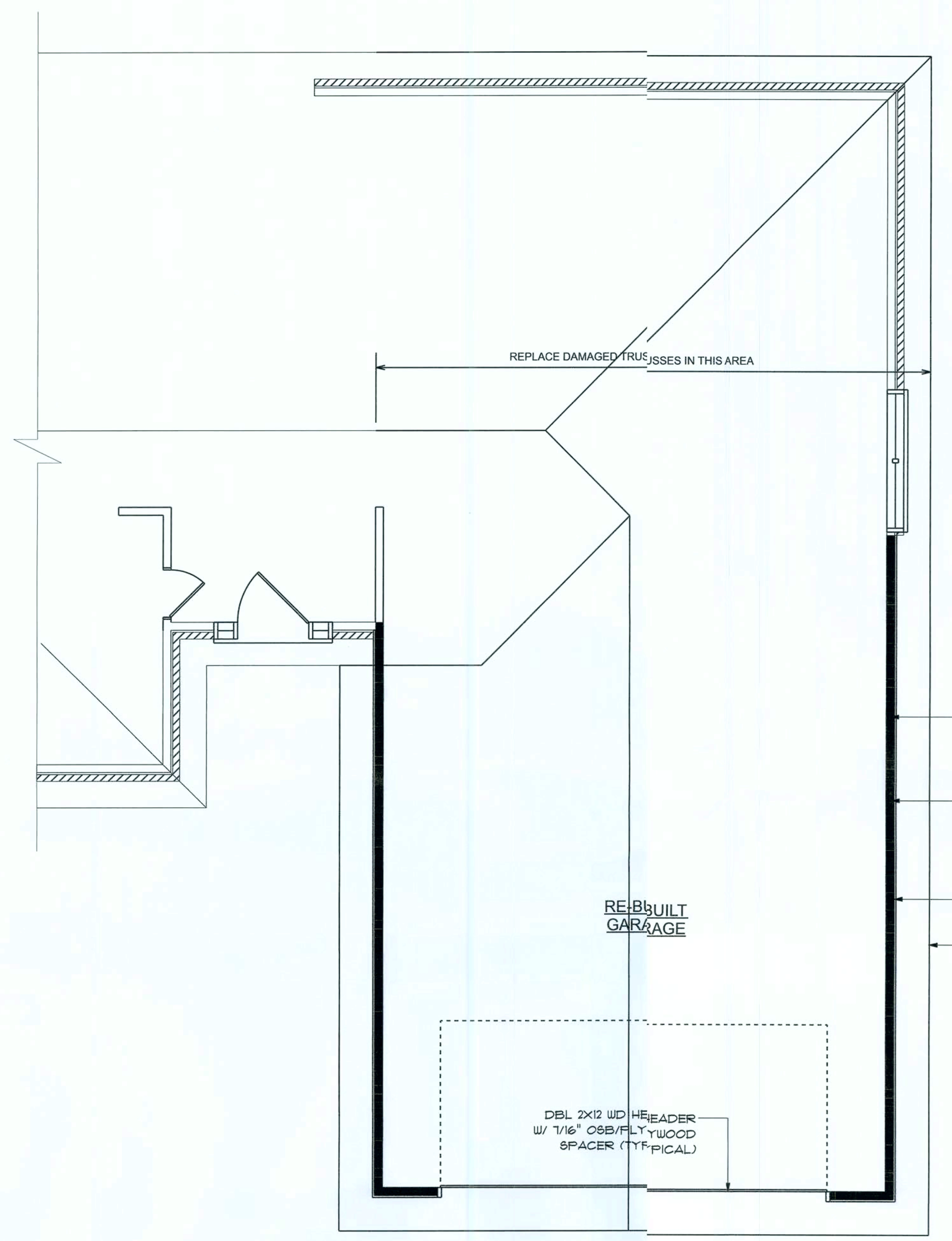
ROOF SHEATHING NAILING ZONES
(HIP ROOF)



ROOF SHEATHING NAILIN ZONES
(GABLE ROOF)

Roof Nail Pattern DET. (C)

SCALE: NONE



RENOVATED ROOF PLAN

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

NOTE:
ALL "CHARRED" TRUSS CHORDS WILL BE REINFORCED WITH SISTER BOARDS OF SAME ORIGINAL SIZE. SISTER BOARDS WILL BE NAILED ALONG SIDE WITH 16d NAILS STAGGERED @ 12" O.C. AT TOP AND BOTTOM

ALL EXISTING TRUSSES SHALL BE ANCHORED TO NEWLY REPAIRED OR REPLACED LOAD BEARING WALLS WITH SIMPSON H2.5a

ROOF PLAN NOTES

R-1 SEE ELEVATIONS FOR ROOF PITCH

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!
SHEATH ROOF W/ 1/2" CDXPLYWOOD PLACED W/ LONG DIMENSION PERPNDICULAR TO THE ROOF TRUSSES, SECURE T FRAMING W/ 8d NAILS - AS PER DETAIL O SHEET SD.4

NOTE!
THE DESIGN WIND SPEE FOR THIS PROJECT IS 130 MPH PR FBC 1609 AND LOCAL JURISDICTN REQUIREMENTS

GENERAL TRUSS NOTES:

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.

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

WOOD STRUCTURAL NOTES

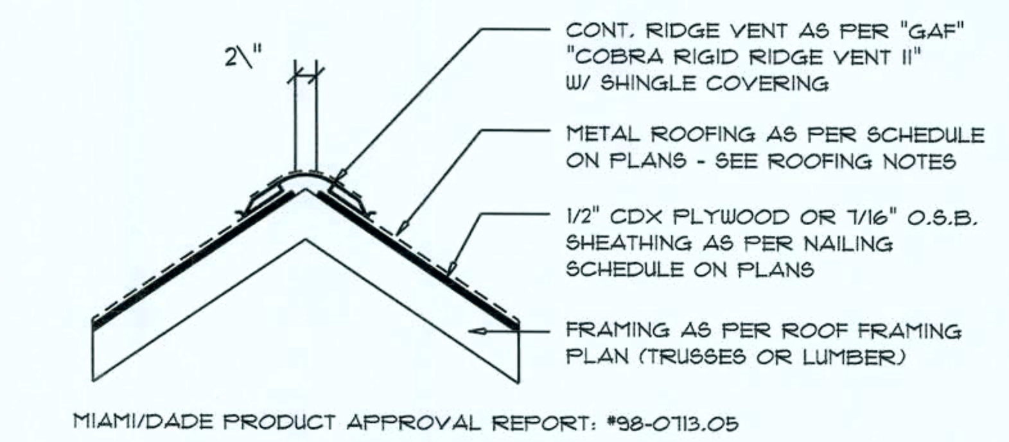
1. TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES OF THE "TRUSS PLATE INSTITUTE".

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.

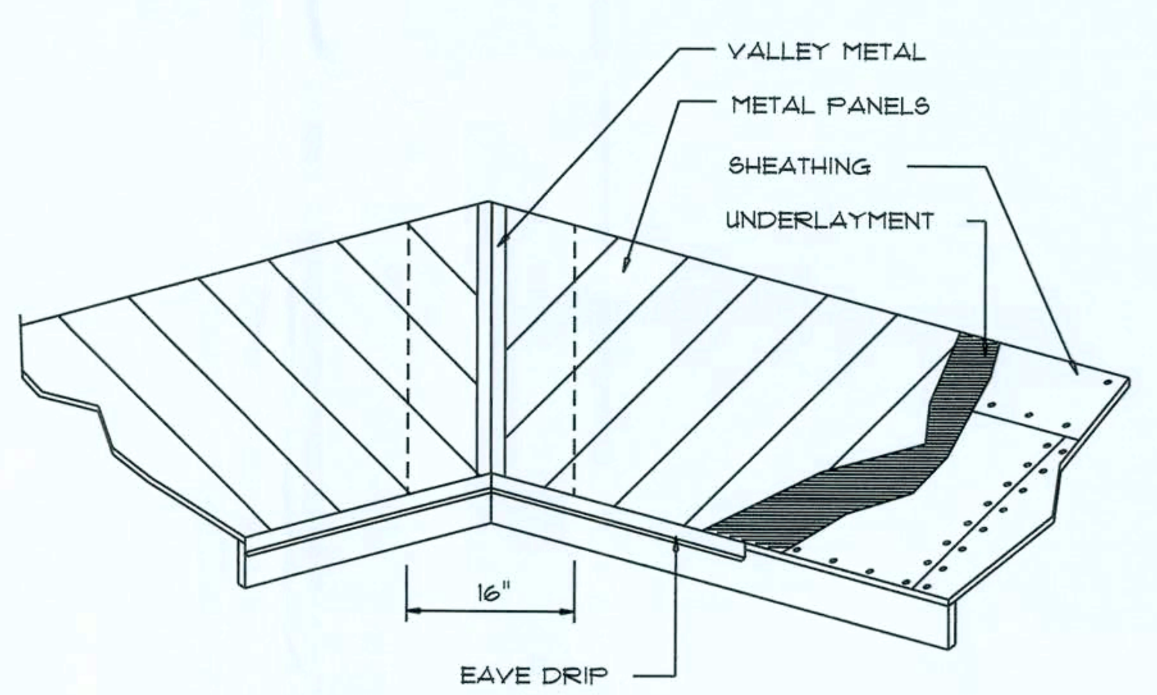
AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1900 SF	24 LF	490 SQ.IN.
2200 SF	28 LF	570 SQ.IN.
2500 SF	32 LF	650 SQ.IN.
2800 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	820 SQ.IN.
3600 SF	44 LF	900 SQ.IN.



MIAMI/DADE PRODUCT APPROVAL REPORT: #98-0713.05

Ridge Vent DETAIL (B)

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



VALLEY FLASHING

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	0.0179	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.027		 40 20

Roofing/Flashing DETS. (A)

SCALE: NONE

REVISIONS
Dec. 19th, 2018
APRIL 22nd, 2019

FIRE DAMAGE REPAIR & PORCH ADDITION:
HELEN ROBERSON
252 SW Pilots Way Lake City, FL 32025

NICHOLAS PAUL GEISLER ARCHITECT
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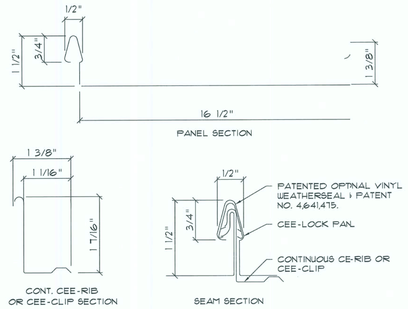
(386) 755-9021

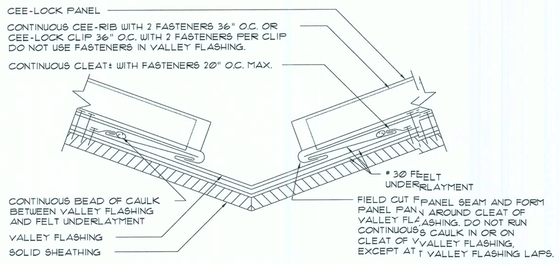
SHEET NUMBER
S2
OF 4 SHEETS

AR0007005
22 Apr 2019



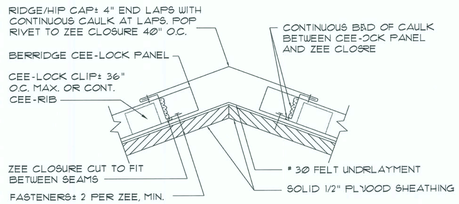
PANEL DETAIL

SCALE: NONE



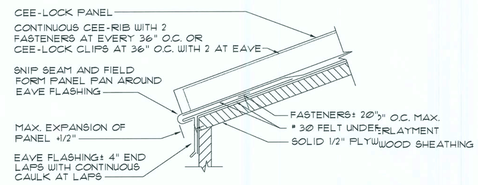
VALLEY DETAIL

SCALE: NONE



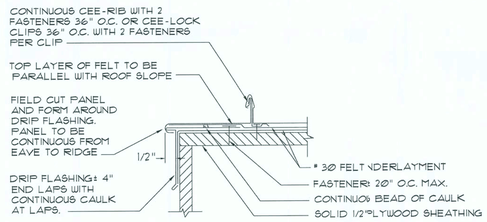
RIDGE/HIP DETAIL

SCALE: NONE



EAVE DETAIL

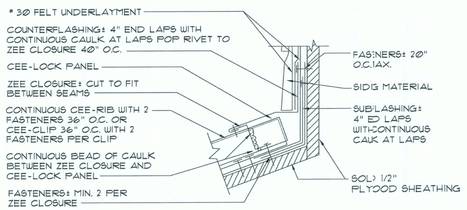
SCALE: NONE



NOTE: FIELD CUT AND FORM LAST PANEL AROUND DRIP FLASHINGPANEL MUST BE CONTINUOUS FROM RIDGE TO EAVE.

GABLE DETAIL / PANEL TURNDOWN

SCALE: NONE



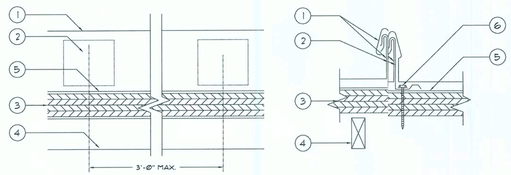
NOTE: FIELD CUT ZEE CLOSURE TO FIT BETWEEN PANEL SEAMS.

FLASHING DETAIL

SCALE: NONE

NOTE: ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, SHALL BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER.

ALL ARCHITECTURAL PANELS ARE 24 GAUGE METAL, TAKE CARE IN HANDLING AND INSTALLATION TO AVOID DAMAGING OR DEFORMING THE PANELS.



1. CEE-LOCK PANEL - NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) THICKNESS COATED STEEL, 16 1/2 IN. WIDE 1 1/2 IN. HIGH. PANEL (NON-STRUCTURAL VINYL WEATHER SEAL OPTIONAL IN SEAM) CONTINUOUS OVER TWO) OR MORE SPANS WITHOUT LAPS.
2. CEE-CLIP (PANEL CLIP) - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) COATED STEEL. CEE-CLIP LOCATED AT EACH PANEL SIDE LAPS BEING PLACED AT 3'-0" O.C. MAXIMUM.
3. DECK - 5/8" APA 40/20 PLYWOOD.
4. JOIST - 2" X 4" AT 2'-0" O.C. MAXIMUM WITH #12 X 2" PAN HEAD WOOD SCREW AT 12" O.C. MAX. AT PLYWOOD TO JOIST CONNECTION AND AT PLYWOOD ENDS.
5. # 30 FELT UNDERLAYMENT.
6. FASTENERS (SCREWS) - FOR ATTACHING "CEE-CLIP" (ITEM TWO) TO DECK USE NO. 10 PANCAKE HEAD TEKS STEEL SCREWS, TWO FASTENER PER " "CEE-CLIP".

CLIP FASTENER DETAIL

SCALE: NONE

METAL ROOFING INSTALLATION NOTES

1. DOUBLE LAYER OF NUMBER THIRTY FELT UNDERLAYMENT OR EQUAL AND THE CEE-LOCK OPTIONAL VINYL WEATHERSEAL (US PATENT NO. 4,641,475) ARE RECOMMENDED FOR ALL APPLICATIONS WHERE THE ROOF SLOPE IS 3 ON 12 OR LESS.
2. STRIPPABLE FILM: THE STRIPPABLE PLASTIC FILM WHICH IS APPLIED OVER MOST BERRIDGE PREFINISHED PRODUCTS, PANELS, FLASHINGS, COILS, AND FLAT SHEETS PROVIDES PROTECTION OF THE FINISH DURING FABRICATION AND TRANSIT. THIS FILM MUST BE REMOVED PRIOR TO INSTALLATION.
3. SOLID SHEATHING REQUIREMENTS: 5/8" PLYWOOD SHEATHING SHALL BE USED TO PROVIDE SUFFICIENT HOLDING POWER FOR FASTENERS.
4. SHEATHING INSPECTION:
   A. SHEATHING END JOINTS SHOULD BE STAGGERED.
   B. ALL END JOINTS SHOULD MEET AT EITHER A JOIST OR RAFTER.
   C. BLOCKING OR "H" CLIPS SHOULD BE USED IF JOISTS DO NOT REMAIN FLAT UNDER THE WEIGHT OF WORKMEN.
   D. USE SHIMS TO KEEP ENTIRE SUBSTRATE EVEN. UNEVEN SUBSTRATE WILL RESULT IN "OIL-CANNING" IN PANELS. SUBSTRATE SHOULD BE LEVEL TO 1/4" IN 20'-0".
   E. ALL CUTS AT PENETRATIONS SHOULD BE TIGHT, WITHOUT GAPS.
   F. USE WOOD-FRAMED CRICKETS AT LARGE PENETRATIONS.
   G. MAKE SURE SUBSTRATE JOINTS ARE TIGHT AT ALL HIPS, VALLEYS, AND RIDGES.
5. FASCIA/RAKE INSPECTION:
   A. STRIKE A LINE THE FULL LENGTH OF THE FASCIA OR RAKE. IF NOT STRAIGHT, CORRECT WITH SHIMS.
   B. MAKE SURE FASCIA/RAKE IS FLUSH WITH SHEATHING.
6. FELT UNDERLAYMENT: A MINIMUM SINGLE LAYER OF # 30 FELT UNDERLAYMENT (OR EQUAL) MUST BE APPLIED OVER SOLID SHEATHING AS SHOWN IN THE BERRIDGE MANUFACTURING COMPANY TYPICAL FELTING DETAILS. THE USE OF ADDITIONAL LAYERS OF # 30 FELT IS RECOMMENDED ON LOW-SLOPED ROOFS, AT ALL VALLEY CONDITIONS, AT ROOF PENETRATIONS, AND CERTAIN OTHER FLASHING CONDITIONS AS DEPICTED IN THE CEE-LOCK PANEL TYPICAL DETAILS. (THE UNDERLAYMENT MUST COVER THE ENTIRE ROOF DECKED SURFACE.).
7. FELTING INSTALLATION:
   A. DO NOT USE RED ROSIN PAPER UNDER METAL ROOFING PANELS.
   B. SWEEP ROOF AREA CLEAN.
   C. USE FLAT HEAD GALVANIZED ROOFING NAILS x 1 1/4" LONG WITH BERRIDGE GALVANIZED FELT CAPS.
   D. INSTALL VALLEY FELT FIRST.
   E. INSTALL FELT PARALLEL TO EAVE (2 LAYERS REQUIRED AT EAVE), STARTING AT EAVE AND USING MINIMUM 6" LAPS. USE TWO LAYERS OF FELT ON ENTIRE ROOF DECK IF ROOF SLOPE IS 3 ON 12 OR LESS. 2 LAYERS OF FELT REQUIRED AT EAVE REGARDLESS OF SLOPE.
8. FLASHING: IF BERRIDGE MANUFACTURING COMPANY IS TO SUPPLY FLASHINGS, ALL FLASHINGS WILL BE FABRICATED IN 10'-0" LENGTHS WITH SQUARE END CUTS ONLY. THE PURCHASER MUST PROVIDE ALL DIMENSIONS AND DEGREE OF ANGLES.
9. FLASHING INSTALLATION:
   A. REMOVE STRIPPABLE PLASTIC FILM FROM ALL FLASHINGS PRIOR TO INSTALLATION.
   B. ALWAYS STAGGER JOINTS WHEN ONE FLASHING IS INSTALLED OVER OTHER FLASHING.
   C. INSTALL ALL FLASHINGS AS PER BERRIDGE TYPICAL DETAILS.
   D. ALL FLASHINGS ARE TO BE DESIGNED AND INSTALLED TO NOT TRAP WATER.
10. PANEL INSTALLATION:
   A. REMOVE STRIPPABLE PLASTIC FILM FROM EACH PANEL PRIOR TO INSTALLATION.
   B. START PANEL INSTALLATION AT ON GABLE END OF THE ROOF, WORKING TOWARD THE OTHER GABLE END. MAKE SURE PANELS ARE PERPENDICULAR TO THE EAVE. AT VALLEY AREAS, MAKE SURE PANELS ARE INSTALLED SO THAT DRAINAGE HAS FREE FLOW AND IS NOT OBSTRUCTED BY PANEL SEAMS.
   C. BEGIN BY INSTALLING J-CLIP AND/OR DRIP FLASHING AT GABLE THEN PLACING FIRST CEE-LOCK CONTINUOUS LENGTH PANEL.
   D. INSTALL CEE-LOCK CLIPS OR CONTINUOUS CEE-RIB AS PER BERRIDGE TYPICAL DETAILS AND CEE-LOCK CONTINUOS RIB/CLIP INSTALLATION NOTES.
   E. IF OPTIONAL VINYL WEATHERSEAL (US PATENT 4,641,475) IS TO BE USED, THIS WILL BE EITHER FACTORY INSTALLED OR INSTALLED IN THE FIELD AS THE CEE-LOCK PANEL EXITS FROM THE CL-21 PORTABLE ROLL FORMER.
   F. INSTALL PANELS BY PLACING THE FEMALE LEG OVER THE MALE LEG AND CONTINUOUS CEE-RIB OR CLIP AND SNAPPING THE INTEGRAL SEAM INTO PLACE WITH HAND PRESSURE. DO NOT USE EXCESSIVE FORCE, FOOT PRESSURE OR OTHER TOOLS SUCH AS MALLETS AS THIS WILL SCRATCH OR DENT THE PANEL RIB AND CAUSE DEFORMATION TO THE VINYL WEATHERSEAL.
   G. EACH PANEL IS TO BE KEPT TIGHT AGAINST THE LEG OF THE ADJOINING PANEL. NEVER PERMIT A GAP BETWEEN VERTICAL LEGS.
   H. KEEP PANELS ALIGNED SO THAT SEAMS MATCH AT HIPS, VALLEYS AND WHERE VERTICAL PANELS ADJOIN ROOF PANELS. DO NOT INSTALL LONG CONTINUOUS RUNS OF PANELS ALL AT ONE TIME WHERE SEAM LINES MUST MATCH. INSTALL TEN OR TWELVE PANELS IN ONE ELEVATION AND THEN FOLLOW WITH A LIKE NUMBER OF PANELS ON THE OTHER ELEVATION WHEN YOU INSTALL PANELS IN THIS MANNER, YOU WILL BE ABLE TO MAKE ANY ADJUSTMENTS REQUIRED TO INSURE SEAM MATCHING.
   J. COPPER-COTE, CHAMPAGNE, LEAD-COTE, AND PREWEATHER GALVALUME® PANEL INSTALLATION: NOTE THE SERIES OF ARROWS PAINTED ON THE UNDERSIDE OF THE PANEL. ALL PANELS MUST BE INSTALLED IN CONSISTENT MANNER, MEANING THAT THE ARROWS ON EVERY PANEL ARE ALL POINTING IN THE SAME DIRECTION. IF A PANEL IS REVERSED (ARROWS POINTING OPPOSITE OF THOSE ON OTHER PANELS) IT WILL APPEAR, FROM A DISTANCE, A DIFFERENT SHADE DUE TO THE GRANULAR OF THE PIGMENTS IN THE FINISH. METALLIC FINISHES ARE MATCH - LOT FINISHES. DO NOT MIX LOTS.
11. CEE-LOCK CLIP INSTALLATION:
   A. INSTALL CLIPS AT PER BERRIDGE TYPICAL CEE-LOCK PANEL DETAILS.
   B. CLIP SPACING ON SOLID SHEATHING TYPICALLY 36" ON CENTER.
12. FASTENERS:
   PLATED FASTENERS WHEN FASTENING TO WOOD. MAKE SURE ALL FASTENERS ARE DRIVEN STRAIGHT AND SET FLAT. DO NOT OVERDRIVE FASTENERS AS THIS WILL CAUSE THE CLIP AND/OR FLASHINGS TO BUCKLE OR BECOME RECESSED BELOW THE ELEVATION OF THE SUBSTRATE.
13. SEALANT RECOMMENDATIONS: TREMCO, INC. SPECTREM 1 SILICONE SEALANT. DO NOT USE CLEAR CAULK.

THESE INSTALLATION INSTRUCTIONS AND THE FOLLOWING TYPICAL DETAILS ARE INTENDED TO PROVIDE OUR CUSTOMERS WITH THE INFORMATION REQUIRED FOR AN AESTHETICALLY PLEASING AND FUNCTIONAL INSTALLATION OF THE BERRIDGE CEE-LOCK STANDING SEAM ROOF PANEL SYSTEM.

REVISIONS
DES. - 19TH, 2019
APRIL 22nd, 2019

FIRE DAMAGE REPAIR & PORCH ADDITION:
HELEN ROBERSON
252 SW Pilots Way Lake City, FL 32025

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1156 NW Bryson Rd.
Lake City, FL 32055
(386) 755-9021

SHEET NUMBER
S.3
OF 4 SHEETS

AR0007005

FLORIDA BUILDING CODE

Compliance Summary

TYPE OF CONSTRUCTION

Roof: Gable Construction, Wood Trusses @ 24" O
Walls: 2x4 Wood Studs @ 16" O.C.
Floor: Existing concrete slab
Foundation: Existing footer / stem wall

ROOF DECKING

Material: 1/2" CD Plywood or 7/16" O.S.B.
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing
Fasteners: 8d Common Nails per schedule on sheet S.2

SHEARWALLS

Material: 1/2" CD Plywood or 7/16" O.S.B.
Sheet Size: 48"x96" Sheets Placed Vertical
Fasteners: 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior
Dragstrut: Double Top Plate (S.Y.P.) W/16d Nails @ 12" O.C.
Wall Studs: 2x4 Studs @ 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 & Bo
Anchor Bolts: 1/2" A307 Bolts @ 48" O.C. - 1st Bolt 12-16" from corner
Corner Hold-down Device: (1) HTT5KT @ each corner
Porch Column Base Connector: Simpson ABU66 @ each column
Porch Column to Beam Connector: Simpson EPC66/PC66 @ each column

FOOTINGS AND FOUNDATIONS

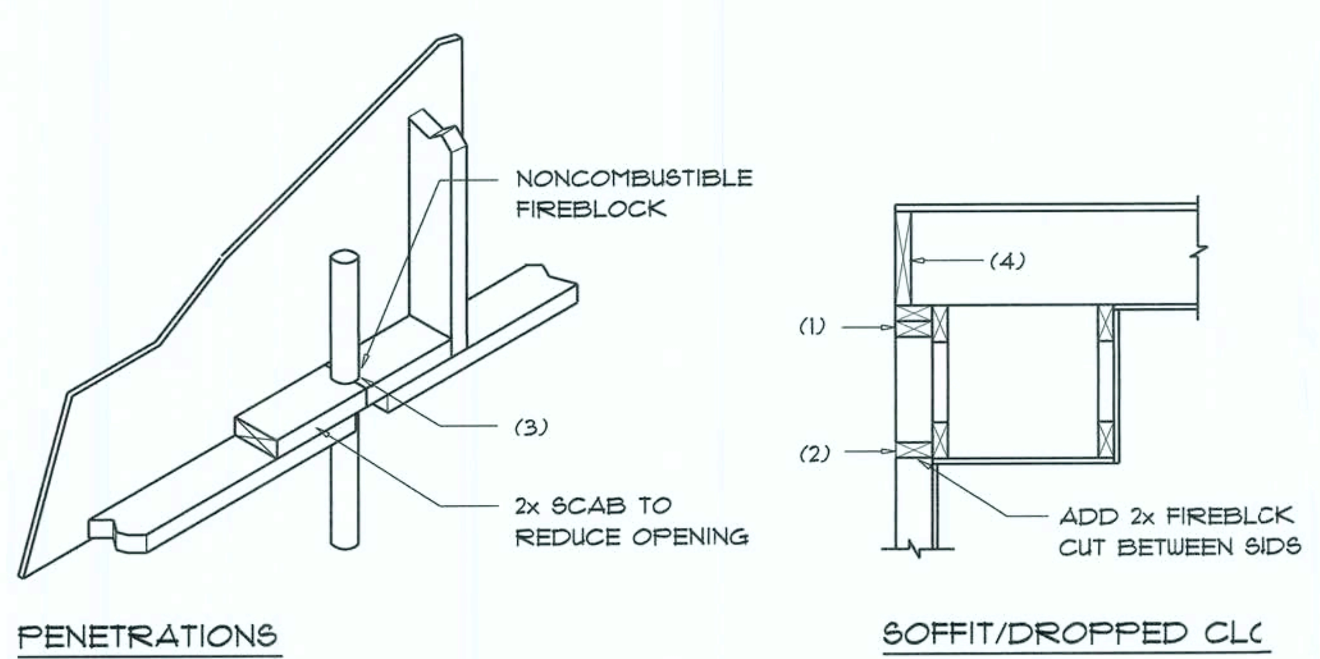
Footing: EXISTING - CONTRACTOR TO VERIFY

BUILDING COMPONENTS & CLADDING LOADS
MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"
ROOF ANGLE 7° TO 27°

	ZONE	AREA	Vult 110 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MPH
ROOF 7° TO 27°	1	10	12.0 / -19.9	14.9 / -23.7	17.5 / -27.8	20.3 / -32.3
	1	20	11.4 / -19.4	13.6 / -23.0	16.0 / -27.0	18.5 / -31.4
	1	50	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2
	2	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4	20.3 / -56.2
	2	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6	18.5 / -51.7
	2	50	10.0 / -28.2	11.9 / -33.6	13.9 / -39.4	16.1 / -45.7
	3	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6	20.3 / -83.1
	3	20	11.4 /-47.9	13.6 / -57.1	16.0 / -67.0	18.5 / -77.7
	3	50	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8	16.1 / -70.5
WALL	4	10	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0	35.3 / -38.2
	4	20	20.8 / -22.6	24.7 / -26.9	29.0 / -31.6	33.7 / -36.7
	4	50	19.5 / -21.3	23.2 / -25.4	27.2 / -29.8	31.6 / -34.6
	5	10	21.8 / -29.1	25.9 / -34.7	30.4 /-40.7	35.3 / -47.2
	5	20	20.8 / -27.2	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0
	5	50	19.5 / -24.6	23.2 / -29.3	27.2 / -34.3	31.6 / -39.8

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING

BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	1.00	1.21	1.47
20	1.00	1.29	1.55
25	1.00	1.35	1.61
30	1.00	1.40	1.66



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 VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE 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 (A)

SCALE: NONE

FRAMING ANCHOR SCHEDULE

APPLICATION	MANUF'R/MODEL	CAP.
TRUSS TO WALL:	SIMPSON H2.5a	600#
GIRDER TRUSS TO POST/HEADER:	SIMPSON LGT, W/ 28 - 16d NAILS	1785#
HEADER TO KING STUD(S):	SIMPSON ST22	1370#
PLATE TO STUD:	NO CONNECTION REQ. WHEN USING WINDSTORM BOARD)	
STUD TO SILL:	NO CONNECTION REQ. WHEN USING WINDSTORM BOARD)	
PORCH BEAM TO POST:	SIMPSON PC66/EPC66	1700#
PORCH POST TO FND.:	SIMPSON ABU66	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
SBCCI NER-443, NER-393

STRUCTURAL DESIGN CRITERIA:

1. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2017 FLORIDA BUILDING CODE - SECTION 1609 AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.

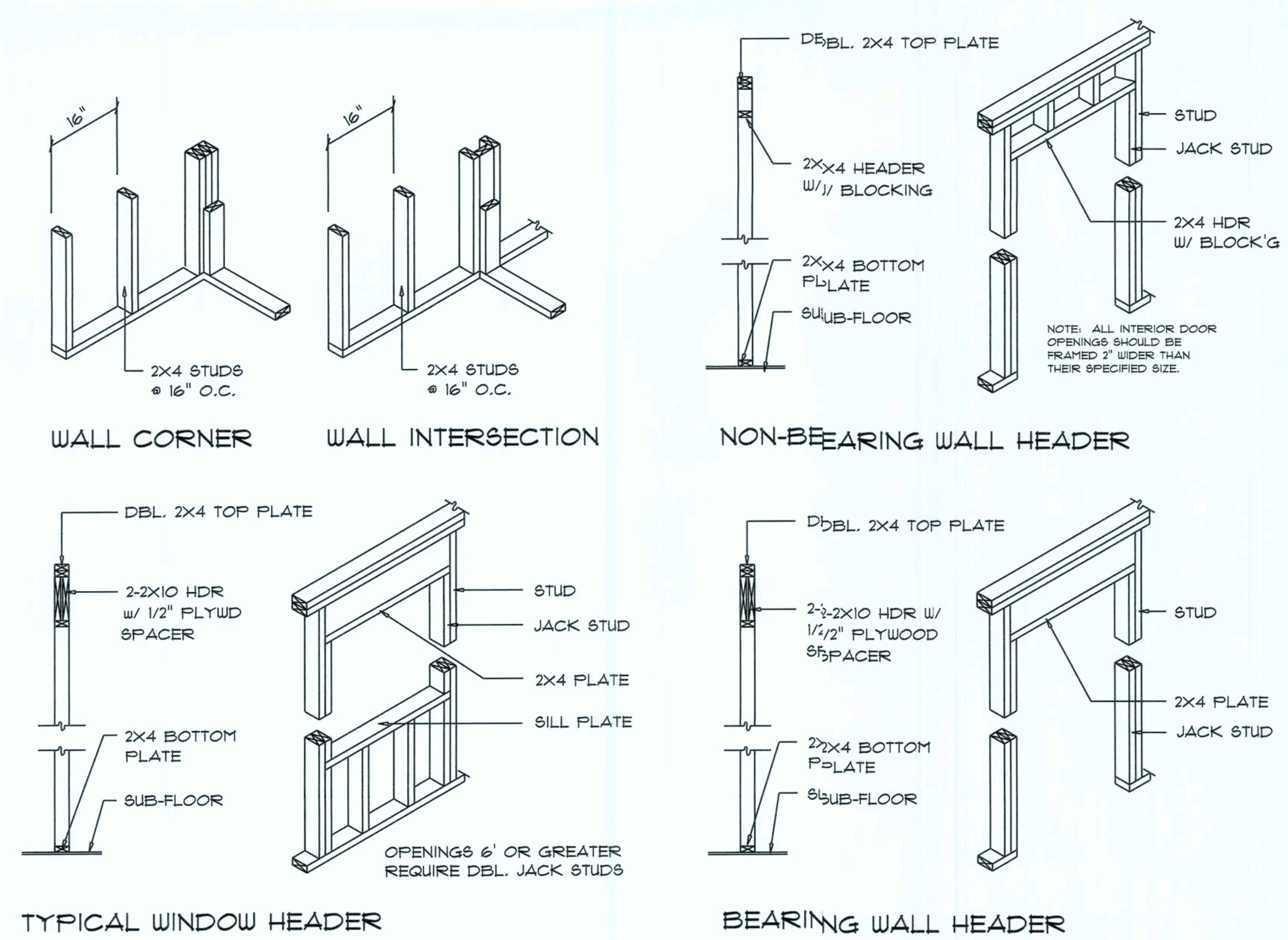
2. WIND LOAD CRITERIA: RISK CATAGORY: 2, EXPOSURE: "C"

BASED ON ANSI/ASCE 7-10. 2017 FBC 1609-A WIND VELOCITY: V_{ULT} = 130 MPH
V_{ASD} = 101 MPH

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

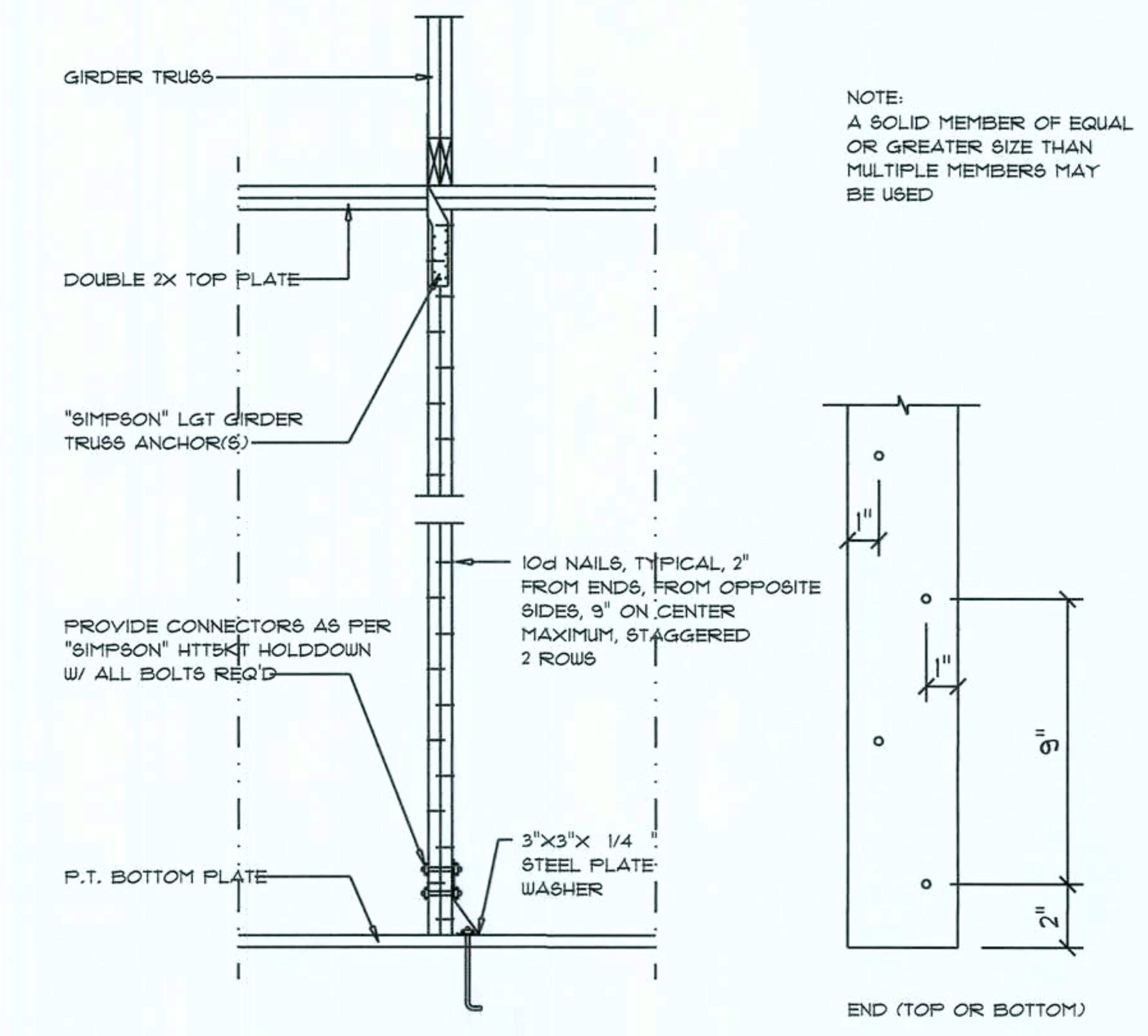
4. FLOOR DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: . . . . 25 PSF
SUPERIMPOSED LIVE LOADS:
RESIDENTIAL . . . . 40 PSF
BALCONIES . . . . 60 PSF

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS



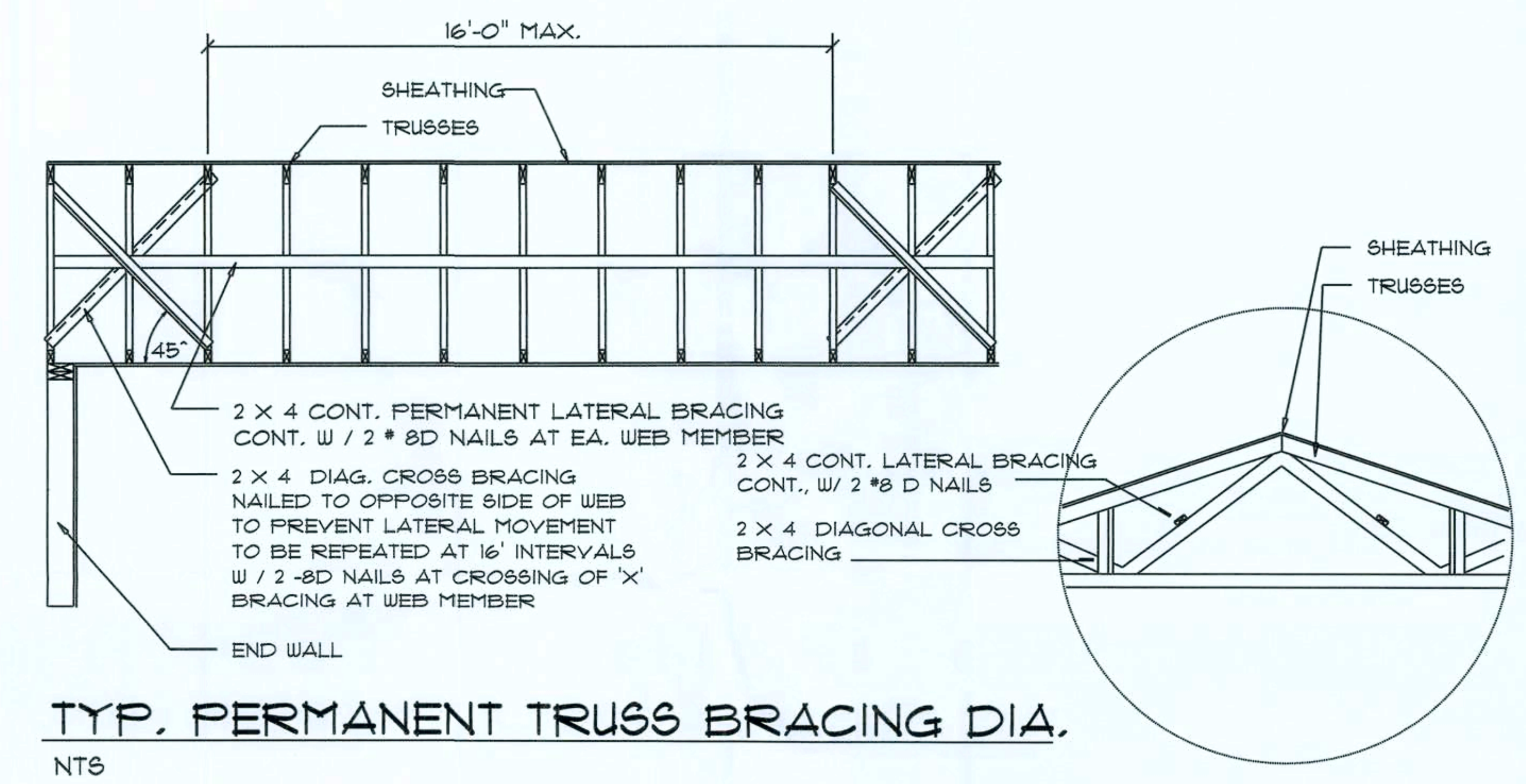
Wall Framing/Header DETAILS (F)

SCALE: NONE



Girder Truss Column DET. (C)

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



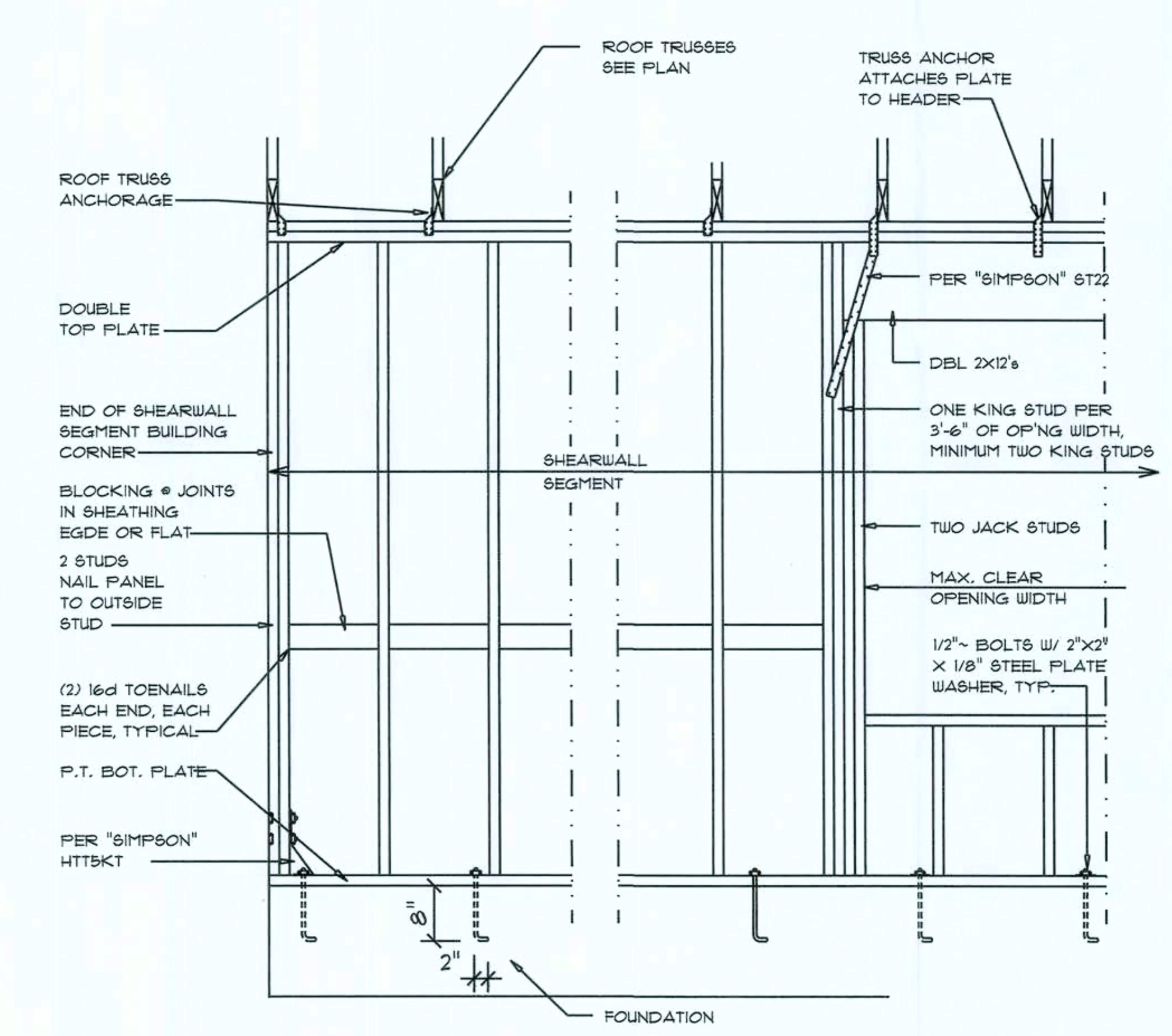
TYP. PERMANENT TRUSS BRACING DIA.

NTS

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

Truss Bracing DETAILS (D)

SCALE: AS NOTED



SHEARWALL NOTES:

1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS
2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" WINDSTORM BD INCLUDING AREAS ABOVE AND BELOW OPENING.S
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 12" O.C. IN THE FIELD.
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"	(3) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3

Shear Wall DETAILS (E)

SCALE: NONE

REVISIONS
Dec. 19th, 2018
APRIL 22nd, 2019

FIRE DAMAGE REPAIR & PORCH ADDITION:
HELEN ROBERSON
252 SW Pilots Way Lake City, FL 32025

NICHOLAS PAUL GEISLER ARCHITECT
1758 NW Brown Rd.
Lake City, FL 32055
(386) 755-3021
N.C.A.R.B. Certified

SHEET NUMBER
S.4
OF 4 SHEETS

AR0007005