



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



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

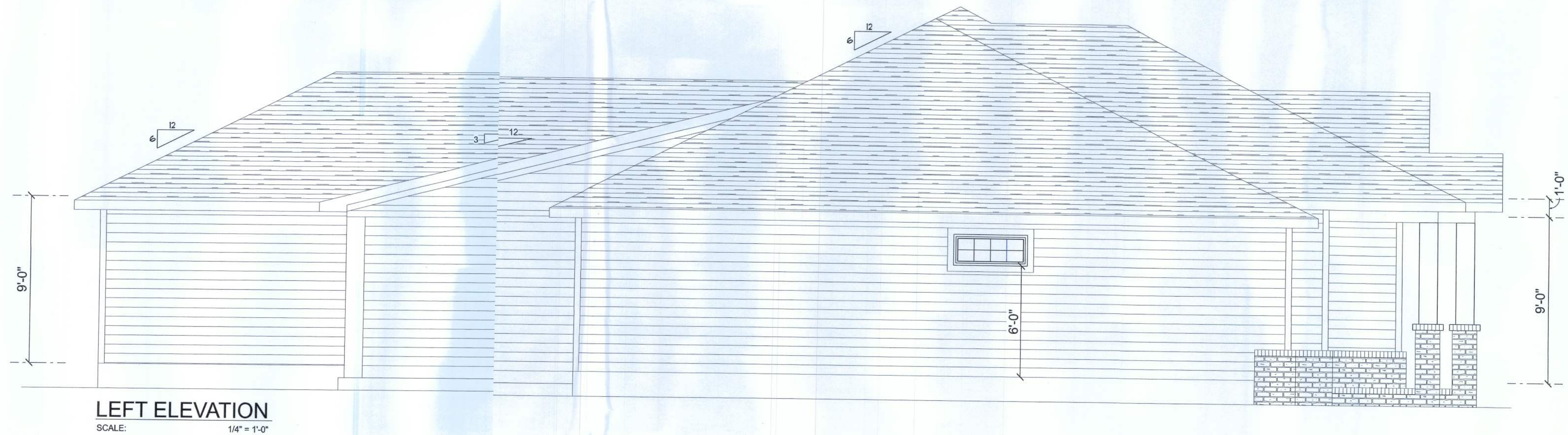


REVISIONS SCHEDULE	
MAY 12th, 2021	REVISIONS

ROBERT COON RESIDENCE
COLUMBIA COUNTY, FLORIDA

RIDGEPOINT DESIGN
 566 SW ARLINGTON BLVD. STE 101, LAKE CITY, FL 32025
 P: 386-288-1188
 E: RIDGEPOINTDESIGN@GMAIL.COM

SHEET NUMBER
A.1
OF 3 SHEETS



REVISIONS SCHEDULE	
MAY 12th, 2021	REVISIONS

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SHEET NUMBER
A.2
OF 3 SHEETS

REVISIONS SCHEDULE	
MAY 12th, 2021	REVISIONS

ROBERT COON RESIDENCE

COLUMBIA COUNTY, FLORIDA



RIDGEPOINT

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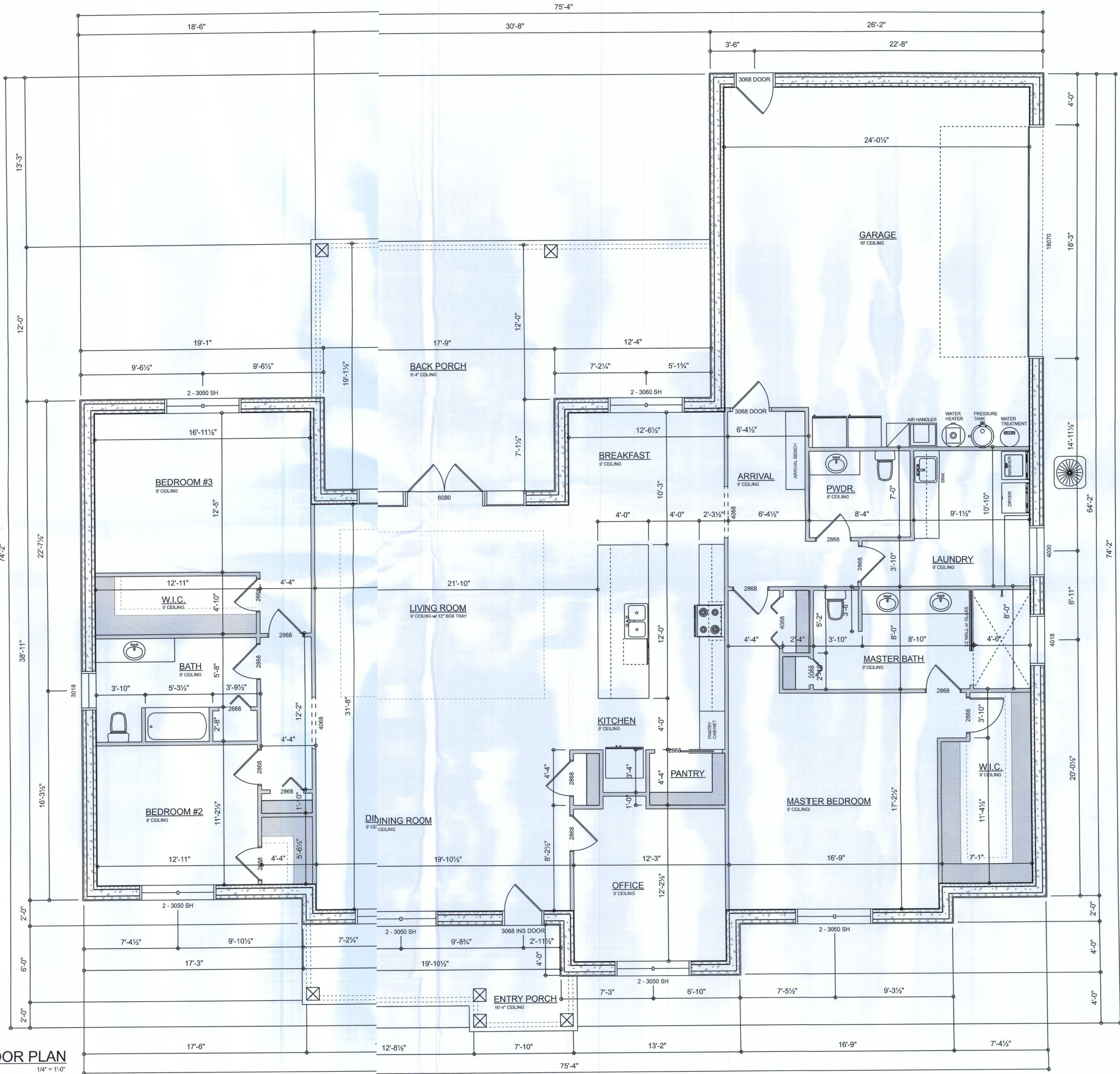
SHEET NUMBER
A.3
OF 3 SHEETS

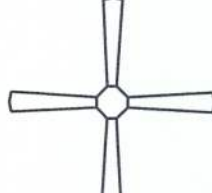
AREA SUMMARY

LIVING	2,891	S.F.
FRONT PORCH	135	S.F.
REAR PORCH	495	S.F.
GARAGE	733	S.F.
TOTAL AREA	4,254	S.F.

DIMENSIONED FLOOR PLAN

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



ELECTRICAL LEGEND		
ELECTRICAL	COUNT	SYMBOL
CEILING FAN	8	
CAN LIGHT 6inch	36	
CHANDELIER	1	
LED CEILING LIGHT 1x4	2	
PENDANT LIGHT	3	
EXTERIOR SCONCE	3	
MOTION SECURITY LIGHT	4	
ELECTRIC METER	1	
ELECTRIC PANEL	1	
AC DISCONNECT	2	
CABLE TV OUTLET	6	
CAT6 OUTLET	5	
EXHAUST FAN	5	
OUTLET	43	
OUTLET 220v	4	
OUTLET GFI	4	
OUTLET WP	15	
SMOKE DETECTOR	4	
SWITCH	39	
SWITCH 3 WAY	12	
UNDER CABINET LIGHT	2	
VANITY BAR LIGHT - SMALL	4	

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

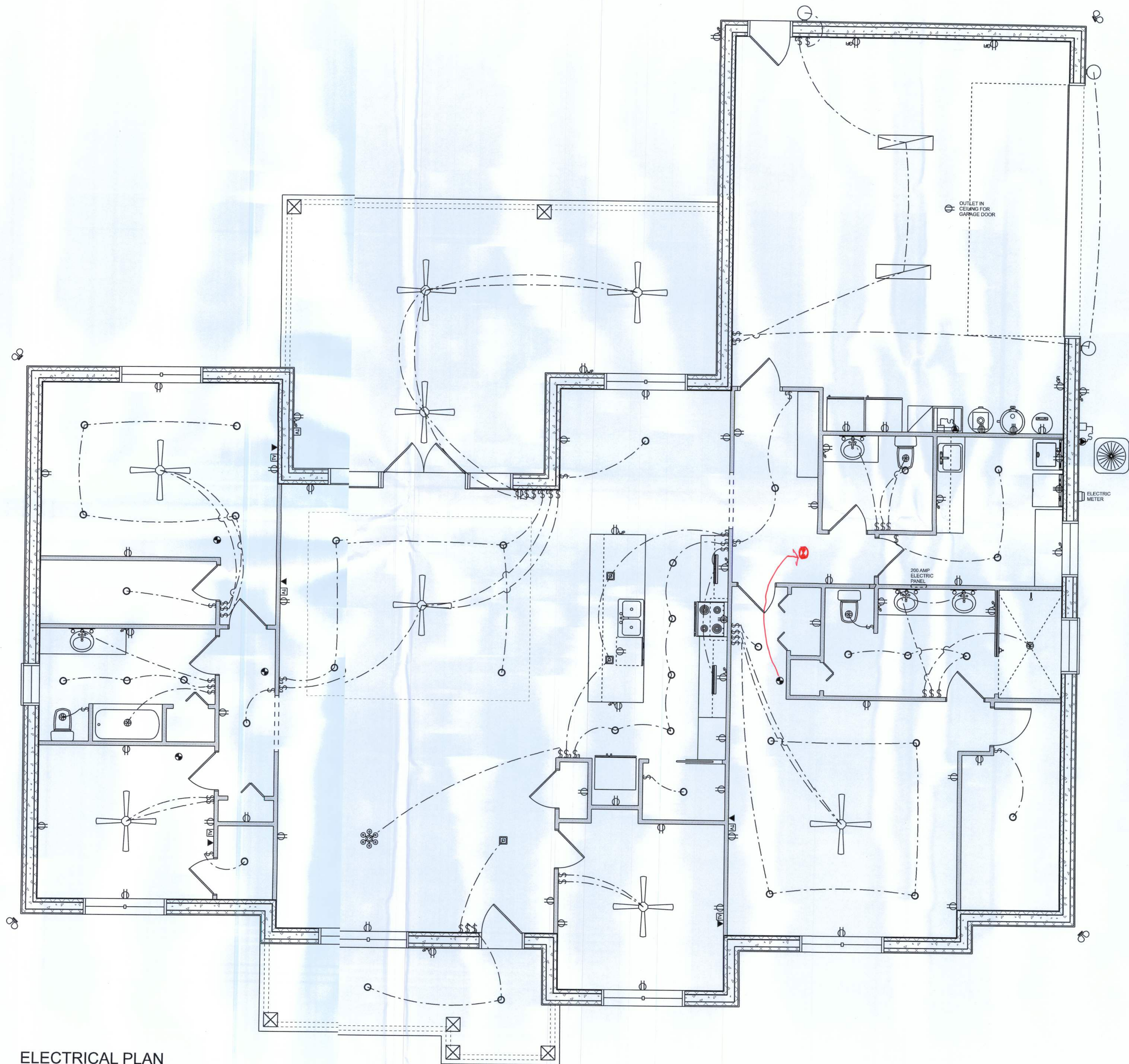
TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

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 GROUND FAULT INTERRUPTER TYPE (WP/GFI)

NOTE:
ELECTRICAL CONTR 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 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

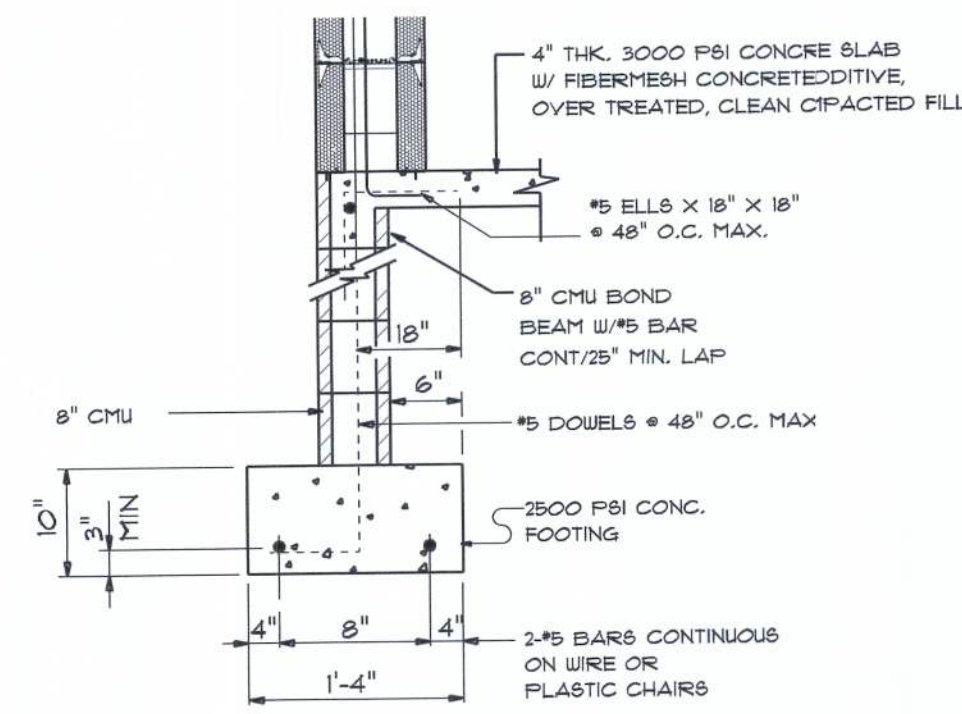


ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

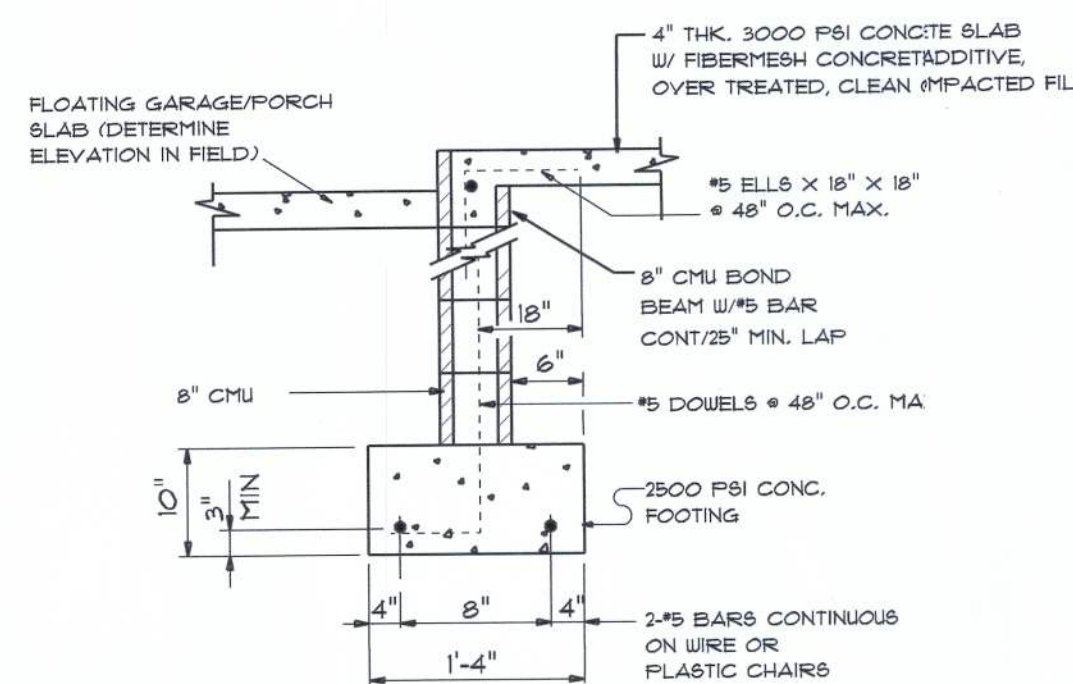
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STEMWALL SECTION A
SCALE: NONE



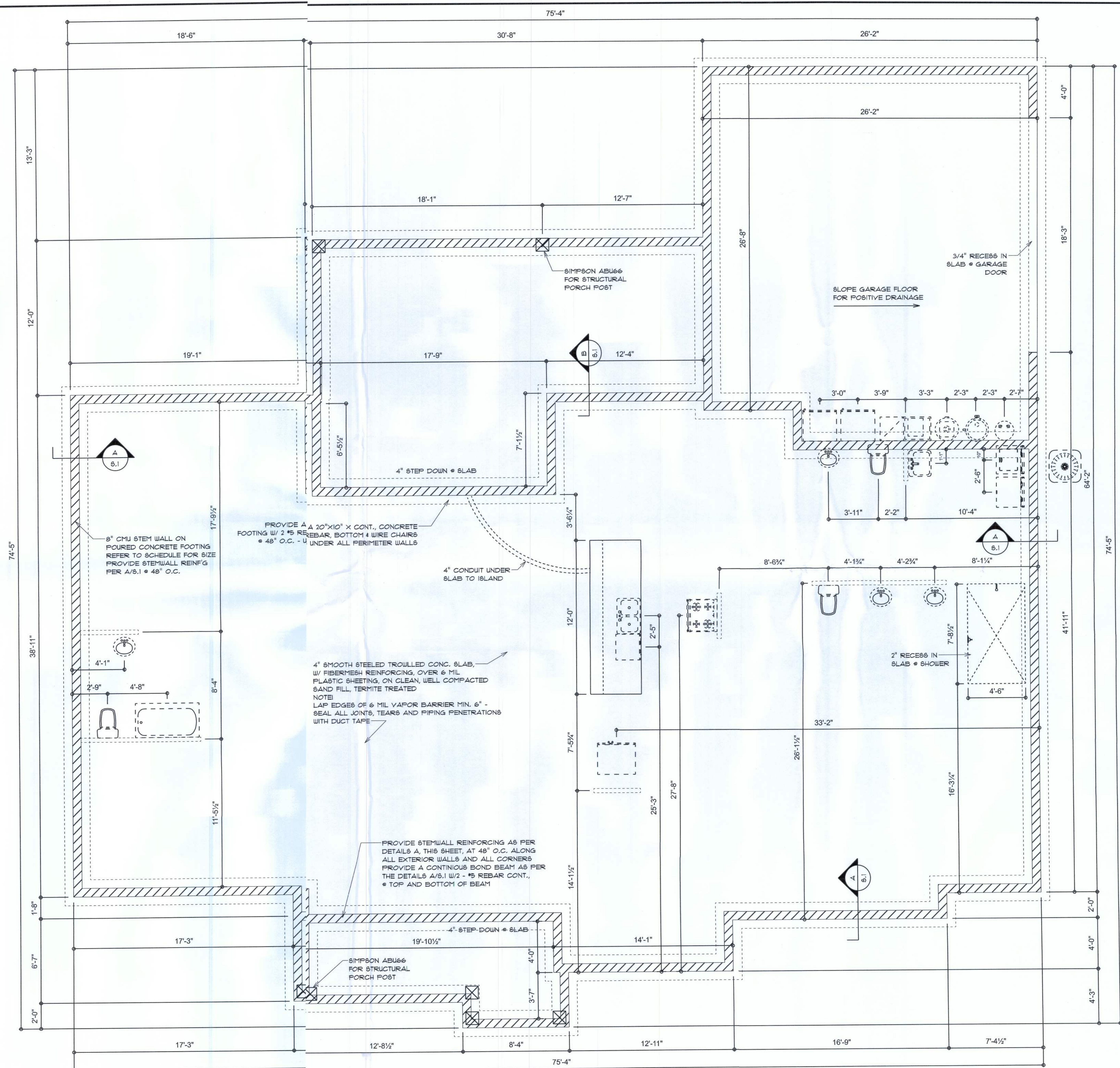
STEMWALL SECTION B
SCALE: NONE

CONCRETE / MASONRY / METALS GENERAL NOTES:

- DESIGN SOIL BEARING PRESSURE: 1500 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 G.D. SHALL BE PLACED IN 12" LIFTS, BOTH SUB-SOIL AND FILL. COMPACTION SHALL BE NOT LESS THAN 95% 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 40 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 85 KSI.
- CONCRETE SHALL BE STANDARD MIX P.C. + 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX P.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 - F11 = 1500 PSI.
- MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH. BOLTS SHALL BE ASTM A307 / GRADE I OR A325, AS PER PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.

OTE:
IE DESIGN WIND SPEED FOR THIS
PROJECT IS 130 MPH PER FBC 1609
ND LOCAL JURISDICTION REQUIREMENTS

OTE:
DDED FILL SHALL BE APPLIED IN 8" LIFTS -
A LIFT SHALL BE COMPACTED TO 95% DRY
COMPACTION PER THE "MODIFIED PROCTOR"
METHOD.



DIMENSIONED FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

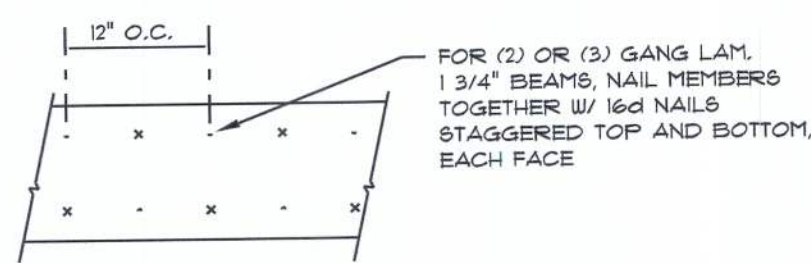
REVISIONS
August 10th, 2021

ROBERT COON RESIDENCE
COLUMBIA COUNTY, FLORIDA

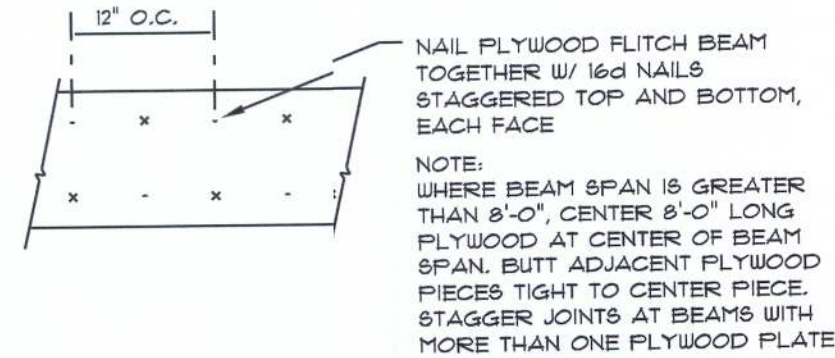
NICHOLAS PAUL GEISLER ARCHITECT
1156 NW Brown Rd.
Lakeland, FL 33805
NCA#007005

SHEET NUMBER
S.1
OF 4 SHEETS

12-24-21
AR0007005



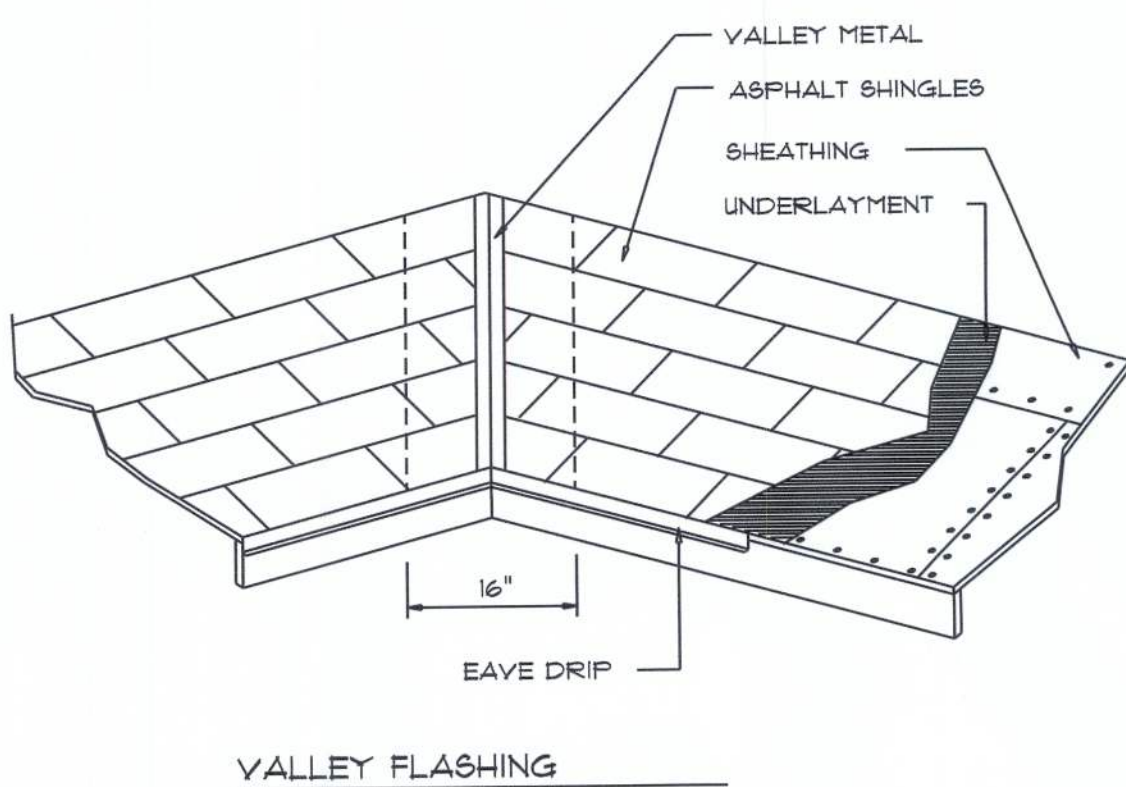
MULTIPLE GANG LAM. DETAIL
NOT TO SCALE



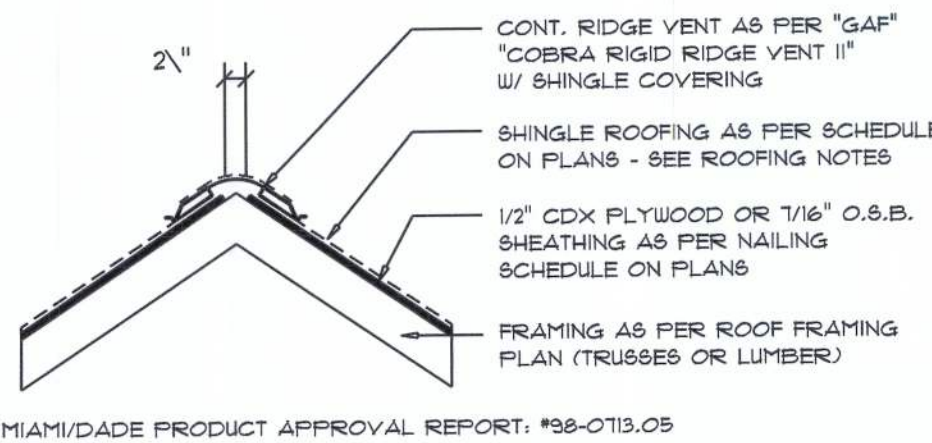
PLYWOOD FITCH BEAM DETAIL
NOT TO SCALE

B/U Beam DETAILS

SCALE: NONE



AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ. IN.
1800 SF	24 LF	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	810 SQ. IN.
3600 SF	44 LF	900 SQ. IN.



Ridge Vent DETAIL

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

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	0.0175	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40 20

Roofing/Flashing DETS.

SCALE: NONE

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 FLATE AND HEEL HEIGHTS
- R-5 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

ANCHOR ALL TRUSSES WITH "SIMPSON"
H2.5s STRAPS & 6 - 10" NAILS

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

ROOF FRAMING PLAN

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

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 ITS 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 REQUIREMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND UPLIFT REQUIREMENTS OF TRUSSES OR R. 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.

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

DBL 2x12 WD BEAM W/ 1/16" SPACER

6x6 WOOD
POST

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

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

6x6 WOOD
POST

DBL 2x12 WD BEAM W/ 1/16" SPACER

REVISIONS
August 10th, 2021

ROBERT COON RESIDENCE

COLUMBIA COUNTY, FLORIDA

NICHOLAS PAUL GEISLER ARCHITECT
1986 N.W. 10th St., Suite 100
Fort Lauderdale, FL 33304
N.C.A.A. Certified

SHEET NUMBER
S.2
OF 4 SHEETS

AR0007005

FLORIDA BUILDING CODE	
Compliance Summary	
TYPE OF CONSTRUCTION	
Roof: Gable Construction, Wood Trusses @ 24" O.C.	
Walls: ICF Wall System	
Floor: 4" Thk. Concrete Slab w/ Fiberglass Concrete Additive	
Foundation: Continuous Footer/Beam Wall	
ROOF DECKING	
Material: 1/2" CDX Plywood or 7/16" O.S.B.	
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing	
Fasteners: 8d Ring Shank Nails per schedule on sheet S.3	
HURRICANE UPLIFT CONNECTORS	
Truss Anchors: SIMPSON H2.5a @ Ea. Truss End (Typ. U.O.N.)	
Porch Column Base Connector: Simpson ABU66 @ each column	
Porch Column to Beam Connector: Simpson EPC66/PC66 @ each column	
FOOTINGS AND FOUNDATIONS	
Footings: 20"x10" X CONT., CONCRETE FOOTING w/ 2 #5 REBAR.	

STRUCTURAL DESIGN CRITERIA:

1. 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 CATEGORY: 2, EXPOSURE: "B"

BASED ON ANSI/ASCE 7-10, 2020 FBC 1609-A WIND VELOCITY: $V_{ULT} = 130$ MPH
 $V_{DES} = 101$ 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

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 1404.2.6

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'-0" 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 EXCAVATION 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

7. 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 1/2" 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'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6

11. 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 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 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'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3

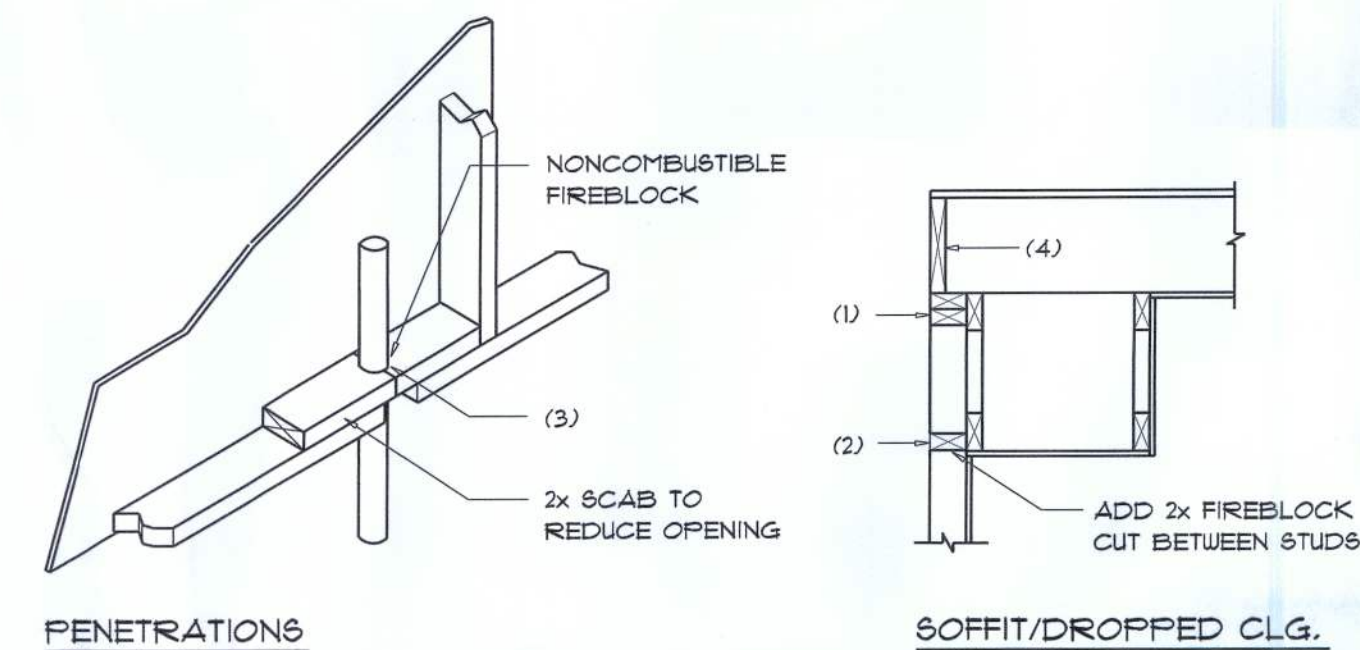
15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

15°
27°
0°
BUILDING COMPONENTS & CLADDING LOADS
MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"
ROOF ANGLE T TO 2T

ZONE	AREA	WIND SPEED (MPH)			
		10	15	20	30
1	10	12.0 / -18.9	14.9 / -23.1	17.9 / -27.8	20.9 / -32.3
	20	11.4 / -18.4	13.6 / -23.0	16.0 / -27.0	18.9 / -31.4
	50	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2
2	10	12.5 / -34.1	14.9 / -41.9	17.9 / -48.4	20.9 / -56.2
	20	11.4 / -31.9	13.6 / -33.6	16.0 / -44.6	18.9 / -51.1
	50	10.0 / -28.2	11.9 / -33.6	13.9 / -39.4	16.1 / -45.1
3	10	12.5 / -31.3	14.9 / -41.0	17.9 / -47.6	20.9 / -53.1
	20	11.4 / -21.9	13.6 / -31.1	16.0 / -41.0	18.9 / -47.1
	50	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8	16.1 / -70.5
4	10	21.8 / -25.6	25.9 / -34.1	30.4 / -33.0	35.3 / -38.2
	20	20.9 / -22.6	24.1 / -26.9	29.0 / -31.6	33.1 / -36.1
	50	19.9 / -21.3	23.2 / -25.4	27.2 / -29.8	31.6 / -34.6
5	10	21.8 / -29.1	25.9 / -34.1	30.4 / -40.7	35.3 / -47.2
	20	20.9 / -21.2	24.1 / -32.4	29.0 / -38.0	33.1 / -44.0
	50	19.9 / -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	1.41
20	1.00	1.29	1.55
25	1.00	1.39	1.61
30	1.00	1.40	1.66



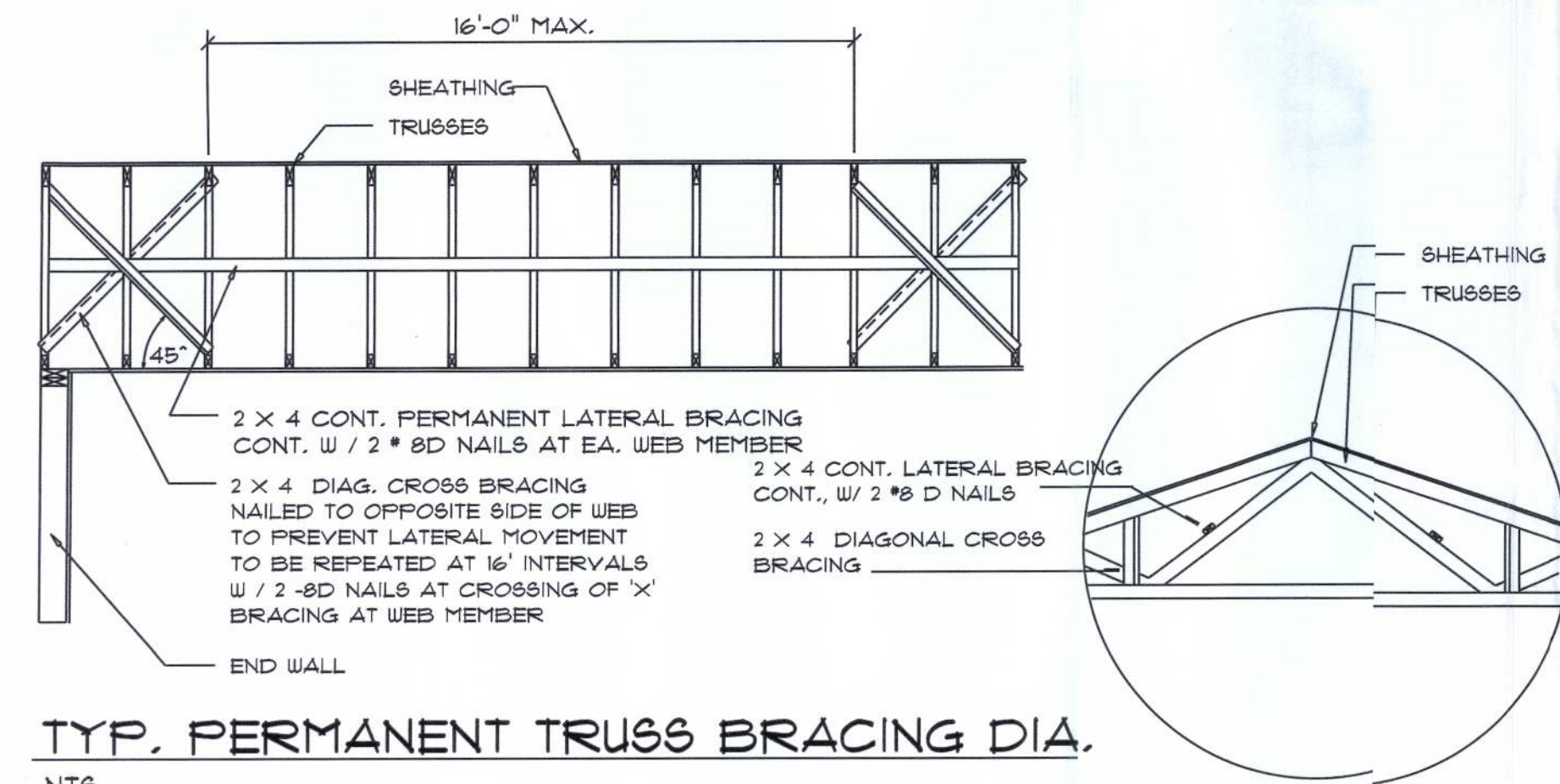
FIREBLOCKING NOTES:

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 CEILING, COVE CEILING, ETC.
- AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPLAN MULTIFLEX SEALANT"
- AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

Fire Stopping DETAILS

SCALE: NONE



TYP. PERMANENT TRUSS BRACING DIA.

NTS

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

Truss Bracing DETAILS

SCALE: AS NOTED

FRAMING ANCHOR SCHEDULE

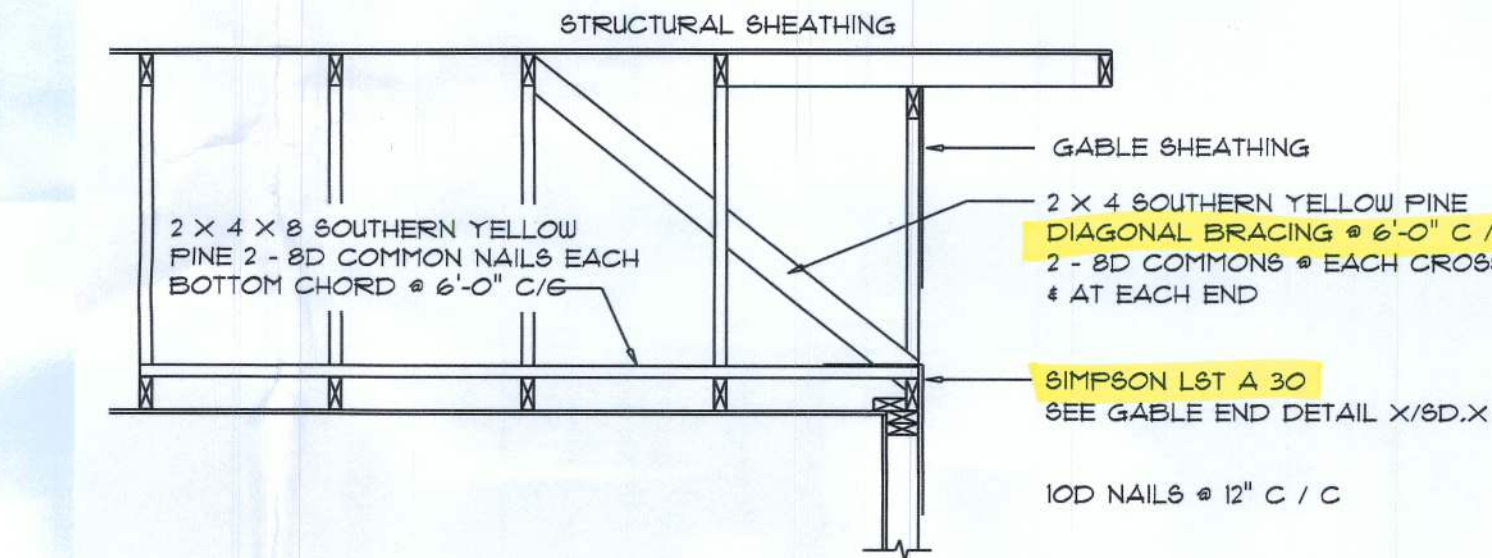
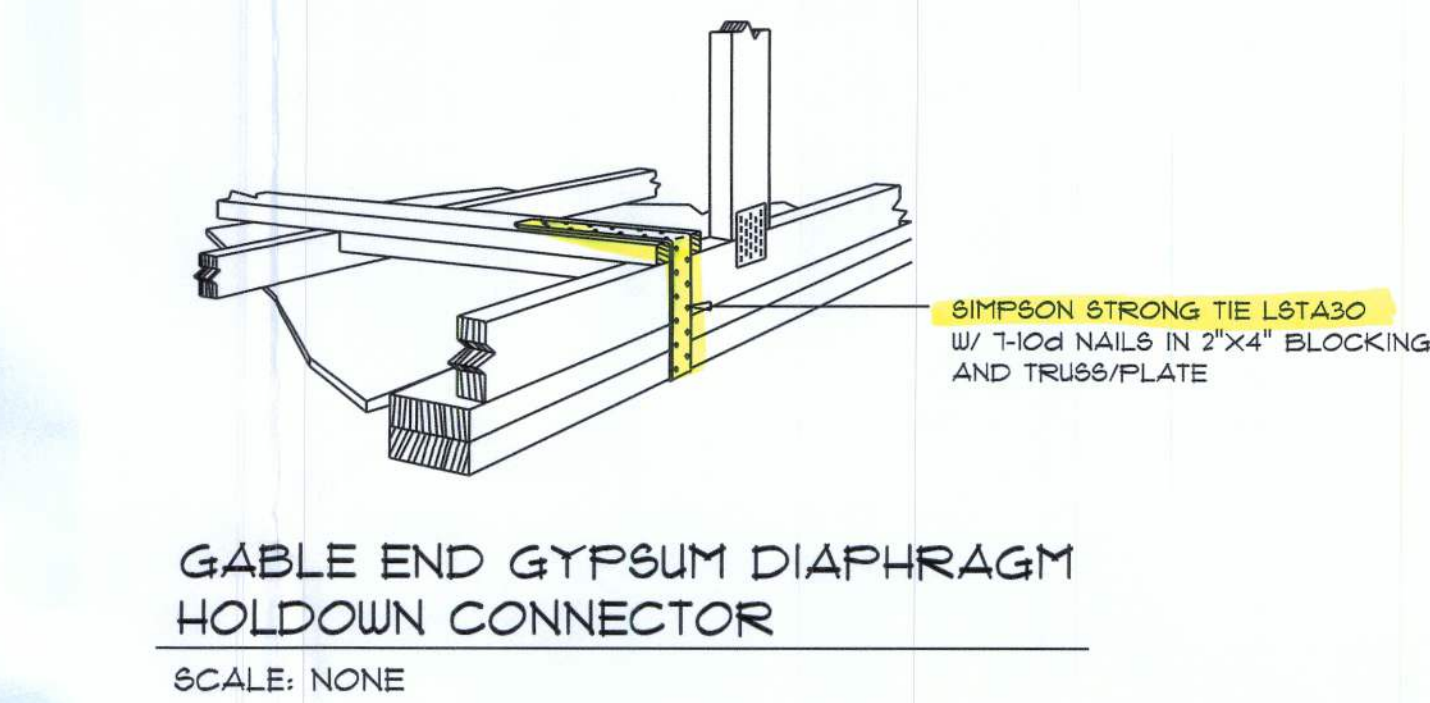
APPLICATION	MANUF'R/MODEL	CAP.
PORCH BEAM TO POST:	SIMPSON FC66 or MSTA24	1700*
PORCH POST TO FND.:	SIMPSON ABU66	2200*
MISC. JOINTS	SIMPSON A34	315*/240*

NOTE: ALL L 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: "SIMPSON" PRODUCT APPROVALS:
MIAMI/DADE COUNTY REPORT #31-0107.05, #36-1126.11, #39-0623.04
SBGCC NER-443, NER-393



END WALL BRACING FOR CEILING DIAPHRAGM

NTS

(ALTERNATIVE TO BALLOON FRAMING)

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

General Roofing NOTES:

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

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

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

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

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

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

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

UNDERLAYMENT APPLICATION:
FOR ROOF SLOPES FROM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:
1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

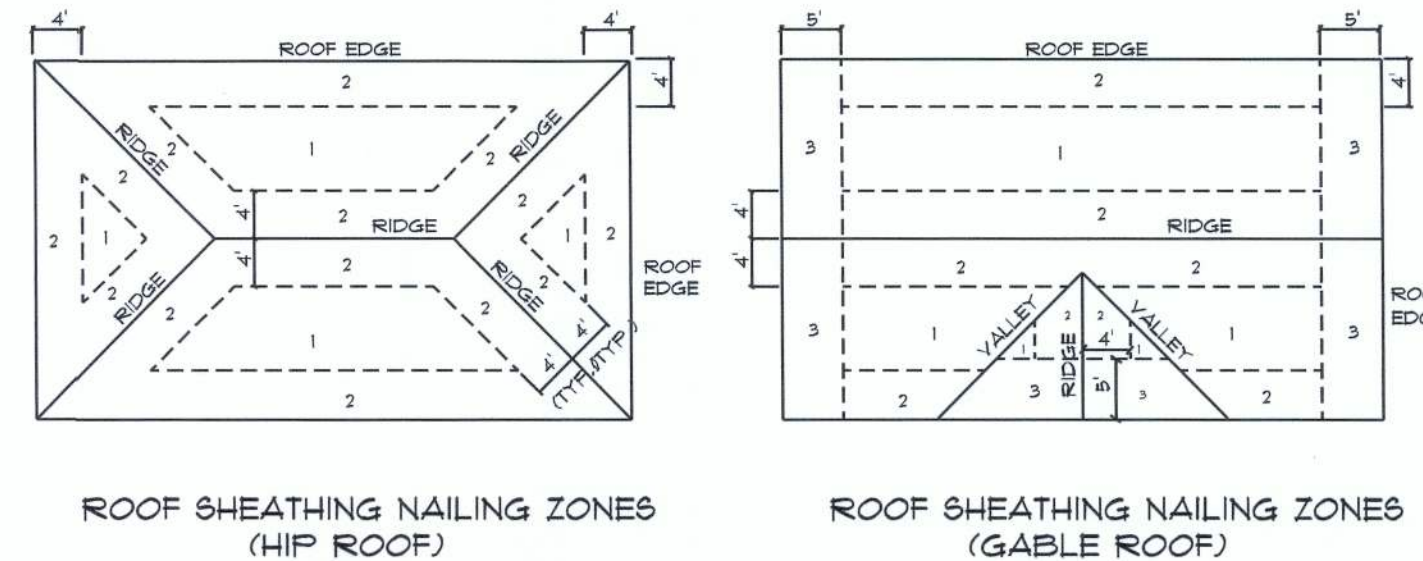
2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

FOR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:
STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHINGS:
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE w/ MFGR'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 71 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 15013.9.2.
2. FOR OPEN VALLEYS, VALLEY LINING OF TWO PLYS OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
3. FOR CLOSED VALLEYS VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
1. BOTH TYPES 1 AND 2 ABOVE, COMBINED.
2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.
3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 1970.

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1			6 in. o.c. EDGE 12 in. o.c. FIELD
2	1/8" O.S.B. OR 15/32 CDX	113 RING SHANKED NAILS	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 Nail Pattern DET.

SCALE: NONE

REVISIONS
August 10th, 2021

ROBERT COON RESIDENCE

COLUMBIA COUNTY, FLORIDA

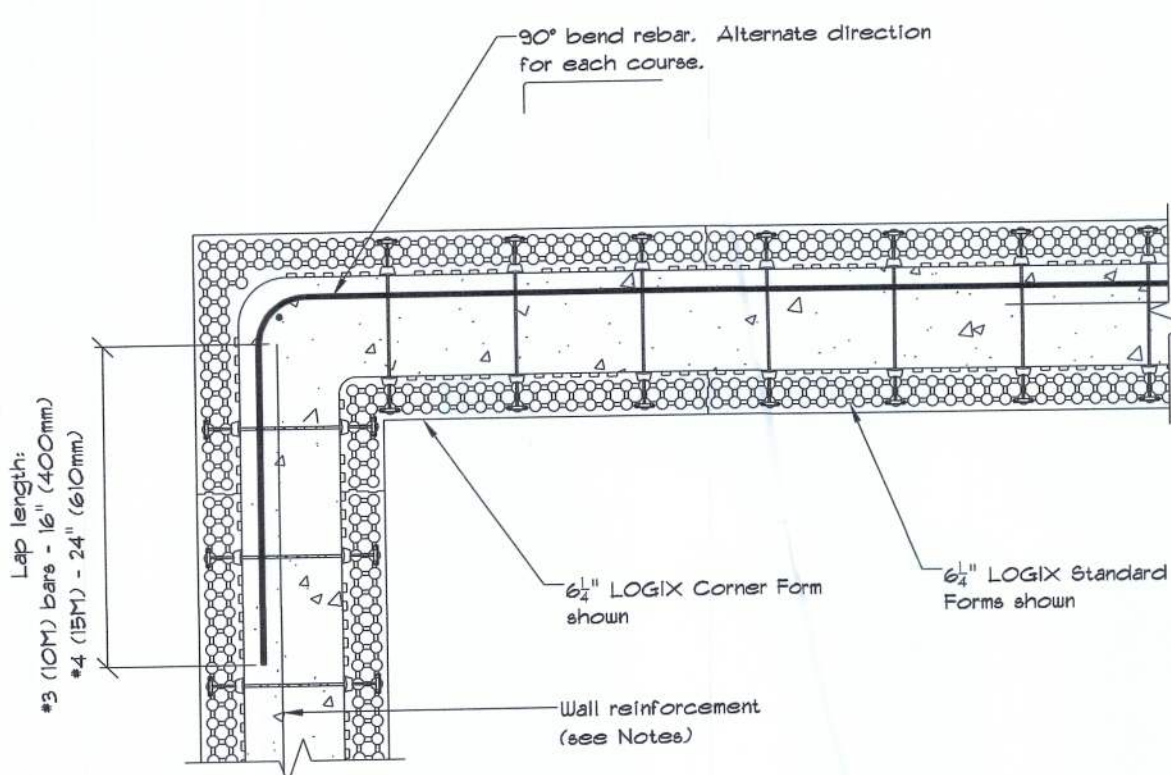
NICHOLAS PAUL GEISLER ARCHITECT
1155 NW Brown Rd.
Lake City, FL 32825

SHEET NUMBER

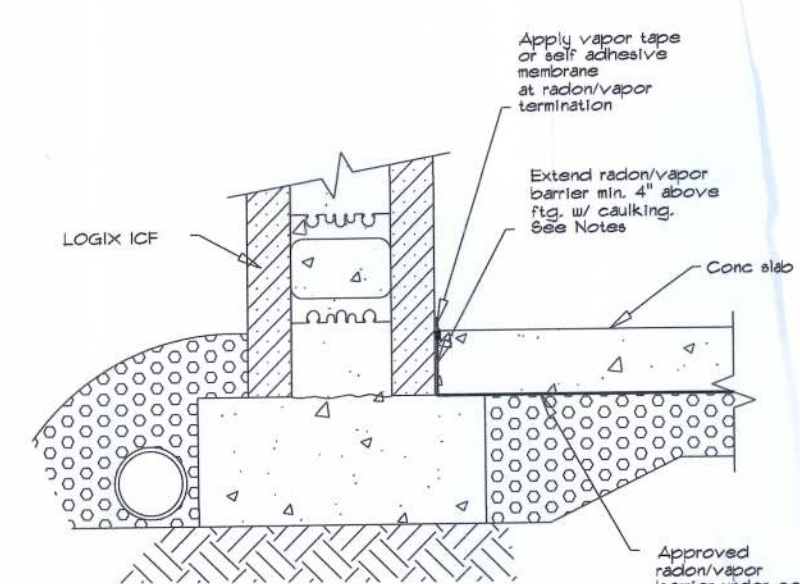
S.3

OF 4 SHEETS

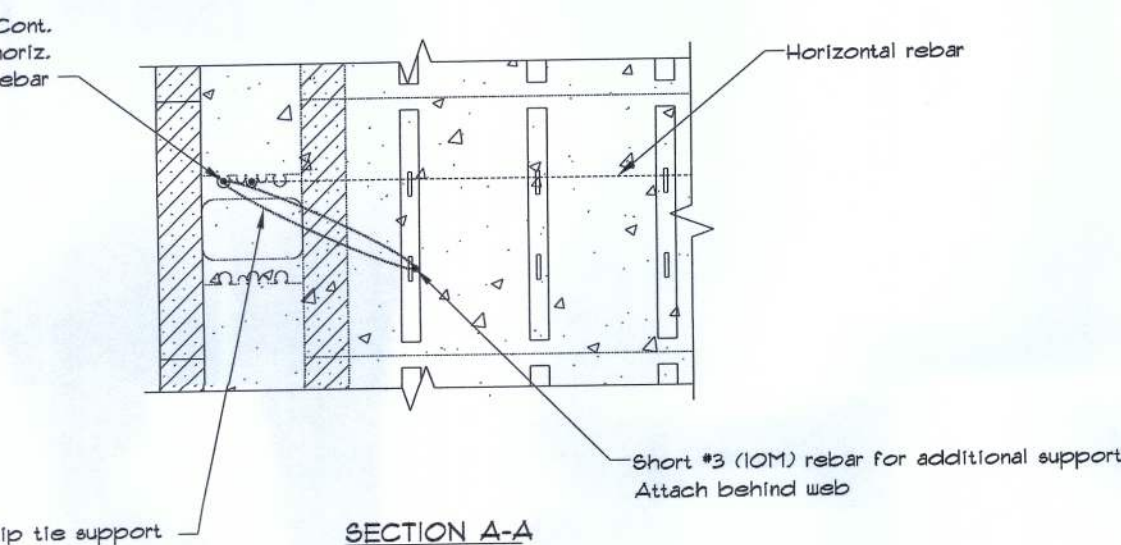
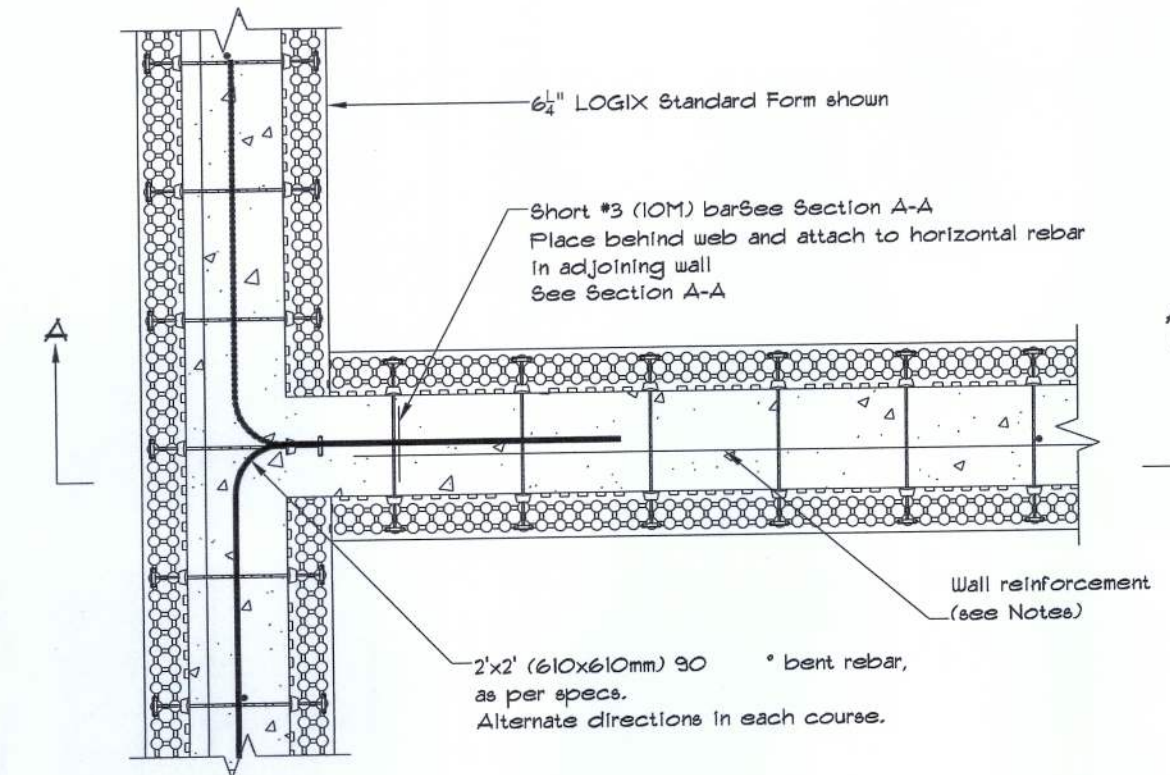
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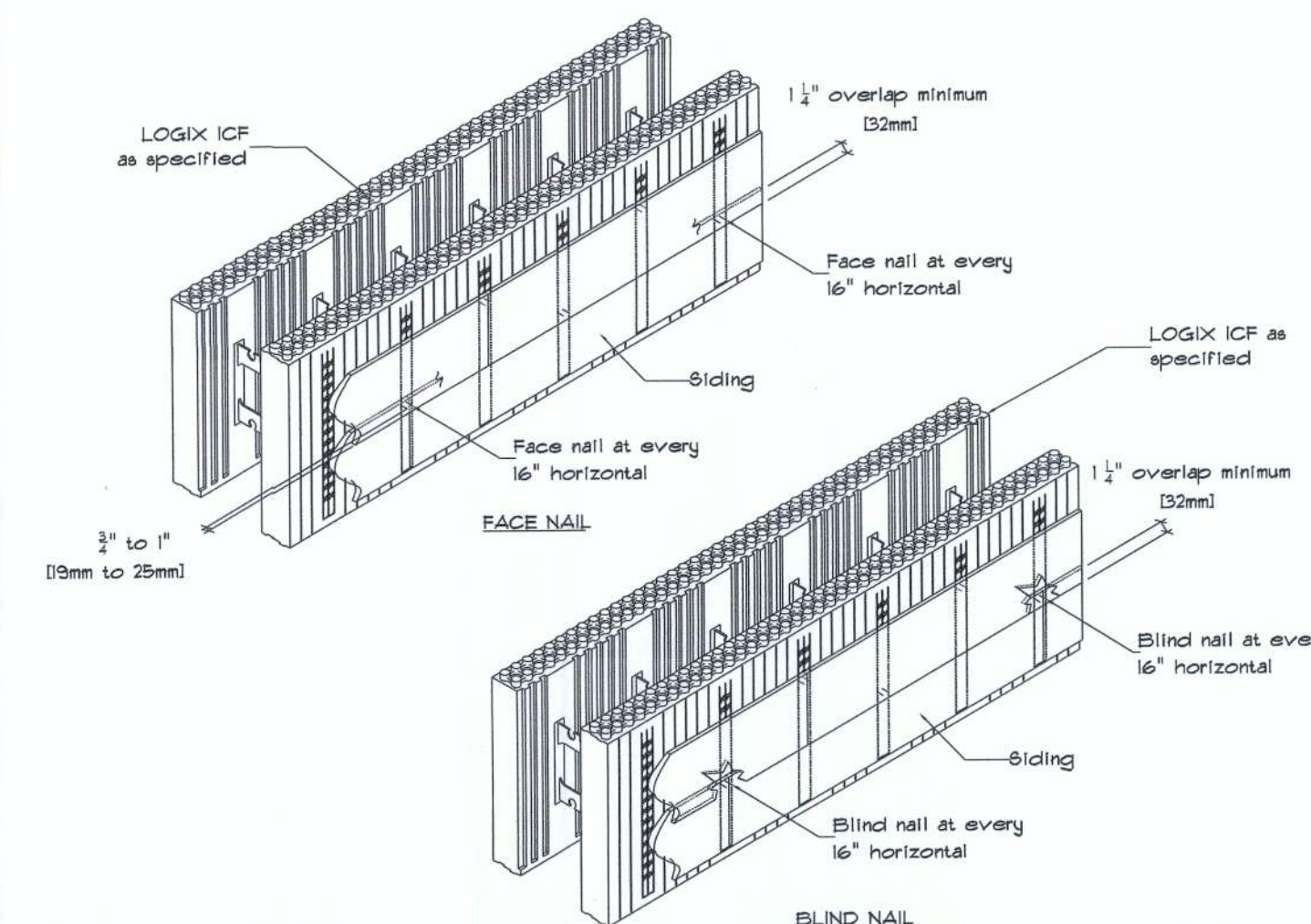
CORNER REINFORCING
SCALE: NONE



RADON BARRIER UNDER SLAB
SCALE: NONE

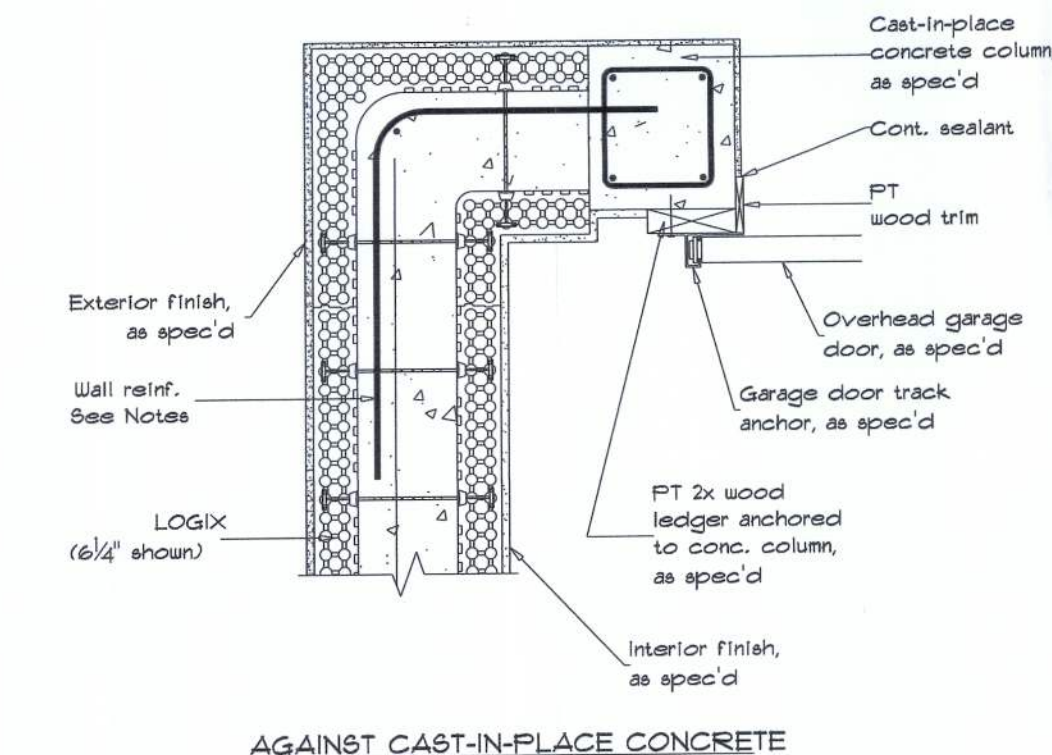


FIRE WALL INTERSECTION
SCALE: NONE

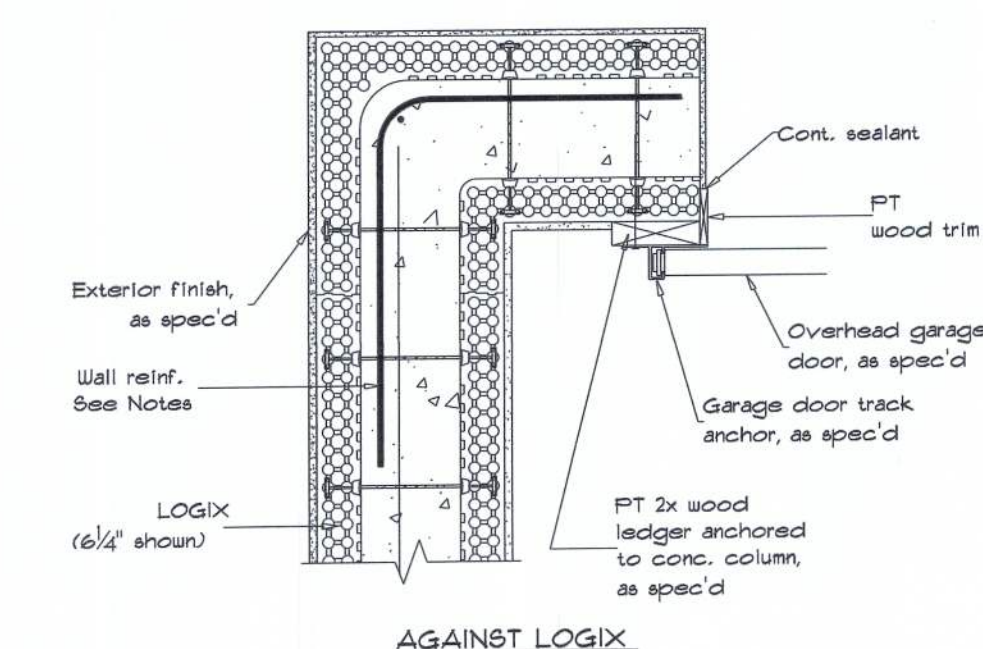


- NOTES:**
1. If no base coat, fasten mesh to ICF with staples.
 2. Detail above is a general drawing only. Follow manufacturer's installation instructions.
 3. See LOGIX Product Manual section 2.2 for supporting exterior finish products.
 4. See LOGIX Product Manual section 2.18.3 for more information on exterior siding.

EXTERIOR WALL FINISHES
SCALE: NONE



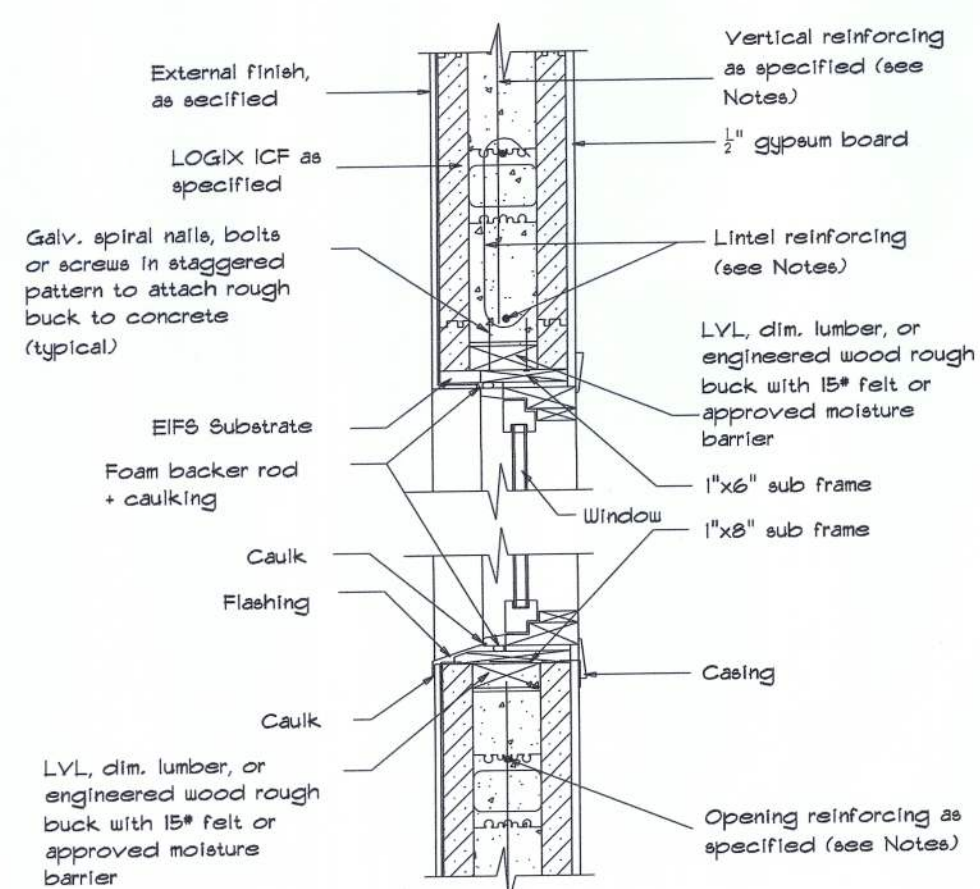
AGAINST CAST-IN-PLACE CONCRETE



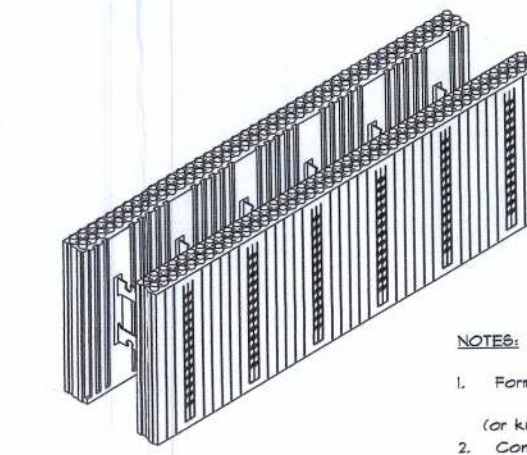
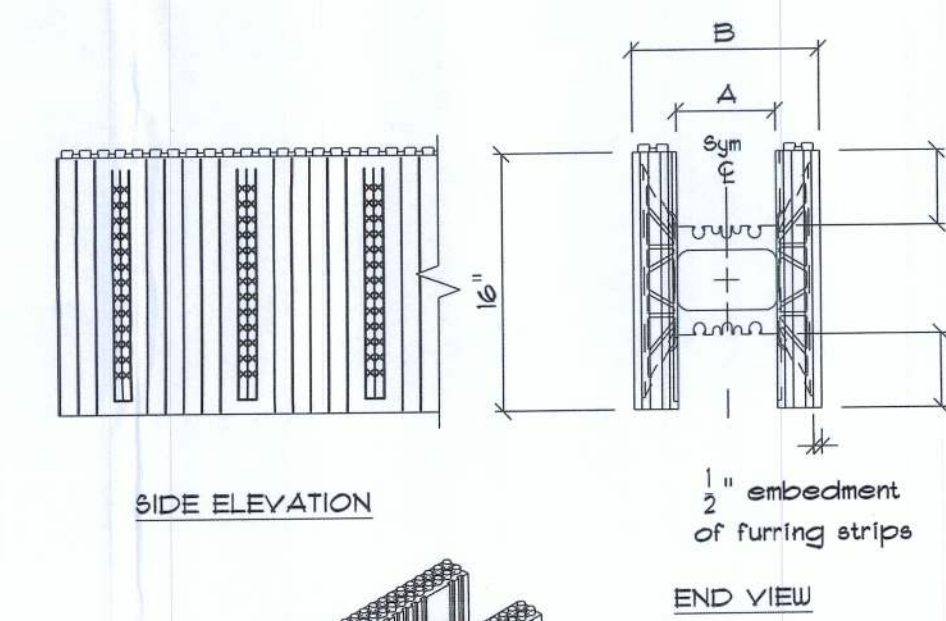
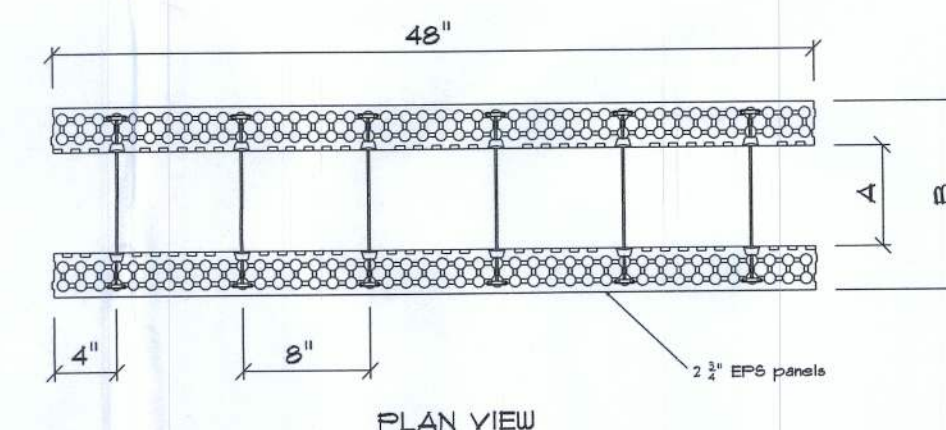
NOTES:
See Section 6 - Engineering in the LOGIX Product Manual for reinforcement details.

GARAGE DOOR DETAILS
SCALE: NONE

WALL OPENING REINFORCING
SCALE: NONE



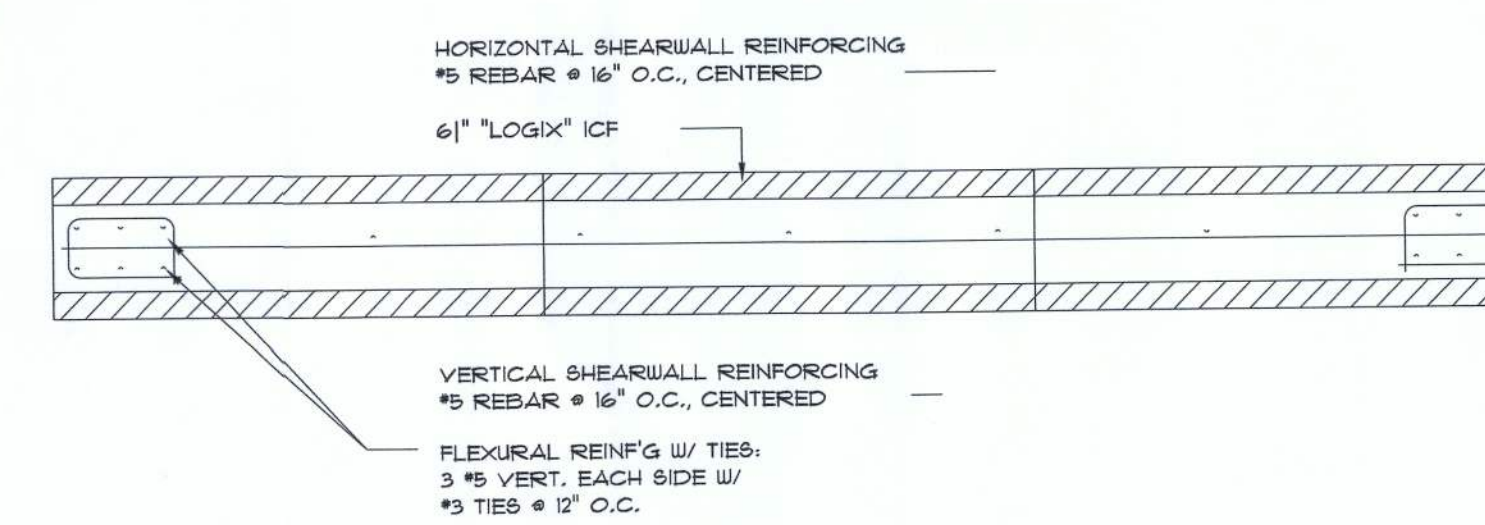
WINDOW HEAD & SILL DETAILS
SCALE: NONE



- NOTES:**
1. Forms are available as assembled (LOGIX PRO) or unassembled (or knock-down) form blocks (LOGIX KD). See 5.1.18.
 2. Concrete core thicknesses other than 12\"/>

WINDOW HEAD & SILL DETAILS
SCALE: NONE

SHEARWALL PLAN
SCALE: NONE



REVISIONS
August 10th, 2021

ROBERT COON RESIDENCE
COLUMBIA COUNTY, FLORIDA

NICHOLAS PAUL GEISLER ARCHITECT
NCARB Certified
1755 NW Brown Rd.
Lake City, FL 32095

SHEET NUMBER
S.4
OF 1 SHEETS

AR0007005