



Habitat for Humanity® of St. Charles County

PROPOSED NEW RESIDENCES FOR:

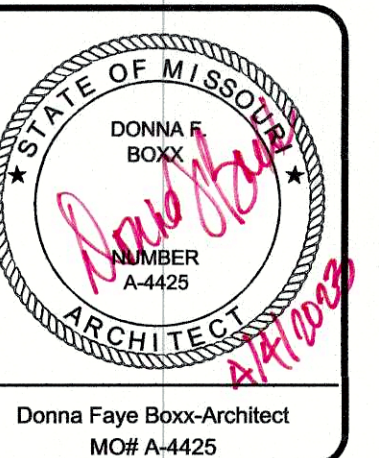
2041 TRADE CENTER DRIVE
ST. PETERS, MISSOURI 63376
636-978-5712

LIST OF DRAWINGS

- CO-1 COVER SHEET**
- GN-1 GENERAL NOTES**
- A-1 FOUNDATION / BASEMENT PLAN
FIRST FLOOR PLAN**
- A-2 ROOF FRAMING PLAN
FIRST FLOOR ELECTRIC PLAN**
- A-3 FRONT AND REAR ELEVATIONS
WALL SECTIONS**
- A-4 LEFT AND RIGHT SIDE ELEVATIONS
NARROW WALL BRACING DETAILS**

ABBREVIATIONS

AND	ANGLE	AT	CENTERLINE	DIAMETER OF ROUND	PLUS or MINUS	POUND or NUMBER	PROPERTY LINE
ACQUS.	ACOUSTICAL	A.C.T.	ACOUSTICAL CEILING TILE	A.P.	ACCESS PANEL	A.D.	AREA DRAIN
ADJ.	ADJUSTABLE	AGGR.	AGGREGATE	ALUM.	ALUMINUM	ANDD.	ANDRIZED
APPROX.	APPROXIMATE	ARCH.	ARCHITECTURAL	ASBL.	ASBESTOS	ASPH.	ASPHALT
A.F.F.	ABOVE FINISH FLOOR	BD.	BOARD	BITUM.	BITUMINOUS	BLDG.	BUILDING
BLK.	BLOCK	BLKG.	BLOCKING	BM.	BEAM	BTM.	BOTTOM
BLUR.	BUILT-UP ROOFING	CA.	CATCH BASIN	CEM.	CEMENT	CEPL.	CERAMIC
C.I.	CAST IRON	CEILING	CEILING	CLG.	CLADDING	CLD.	CLOSET
CLD.	CLOSET	CLD.	CLEAR	C.O.	CASED OPENING	COL.	COLUMN
CONC.	CONCRETE	CONN.	CONNECTION	CONSTR.	CONSTRUCTION	CONT.	CONTINUOUS
CORR.	CORROSION	CORR.	CORROSION	COUNTR.	COUNTER	CTR.	CENTER
C.M.U.	CONCRETE MASONRY UNIT	DBL.	DOUBLE	DEPT.	DEPARTMENT	D.F.	DRINKING FOUNTAIN
DET.	DETAIL	DI.	DIAMETER	DM.	DIMENSION	DSP.	DISPENSER
DN.	DOWN	DR.	DOOR	DWR.	DRAINER	D.S.	DOWNSCOUT
DRWG.	DRAWING	E.A.	EACH	E.J.	EXPANSION JOINT	EL.	ELEVATION
ELEC.	ELECTRICAL	ELEV.	ELEVATOR	EMER.	EMERGENCY	ENCL.	ENCLOSURE
EQ.	EQUIPMENT	E.W.C.	ELECTRIC WATER COOLER	E.P.	ELECTRIC PANELBOARD	EXIST.	EXISTING
EXPO.	EXPOSURE	EXP.	EXPANSION	EXT.	EXTENSION	F.D.	FLOOR DRAIN
FDN.	FOUNDATION	F.E.	FIRE EXTINGUISHER	F.F.C.	FIRE EXTINGUISHER CABINET	FIN.	FINISH
FLASH.	FLASHING	FLOOR.	FLOOR	FLASHING	FLASHING	F.O.C.	FACE OF CONCRETE
F.O.C.	FACE OF CONCRETE	F.O.S.	FACE OF STUDS	F.P.R.	FIREPROOF	FT.	FOOTING
FT.	FOOTING	FUT.	FUTURE	GA.	GALVANIZED	GL.	GLASS
GYP.	GYPSONUM	H.B.	HOSE BIBB	H.C.	HOLLOW CORE	H.M.	HARDWARE
H.M.	HOLLOW METAL	HORIZ.	HORIZONTAL	HR.	HOUR	HT.	HEIGHT
I.D.	INSIDE DIAMETER	INSUL.	INSULATION	INT.	INTERIOR	JAN.	JANITOR
JT.	JOINT	KIT.	KITCHEN	LAB.	LABORATORY	LAM.	LAMINATE
LAV.	LAVATORY	LCKR.	LOCKER	LT.	LIGHT	MATL.	MATERIAL
MAX.	MAXIMUM	M.C.	MEDICINE CABINET	MECH.	MECHANICAL	MET.	METAL
MFR.	MANUFACTURER	MIN.	MINIMUM	MIR.	MIRROR	MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING	MOP.	MOP SINK	MUL.	MULLION	N.O.	NOT NOTED OTHERWISE
N.O.	NOT NOTED OTHERWISE	UNF.	UNFINISHED	UNO.	UNLESS NOTED OTHERWISE	VERT.	VERTICAL
VEST.	VESTIBULE	W/	WITH	WD.	WOOD	W/O	WITHOUT
W/O	WITHOUT	WT.	WEIGHT				



DONNA F. BOXX, Architect, P.C.
160 Marine Lane
St. Louis, Missouri 63146
(314) 434-2333
FAX (314) 434-2203
www.boxxarchitect.com

PROPOSED NEW RESIDENCES FOR:

2041 TRADE CENTER DRIVE
ST. PETERS, MISSOURI 63376



COVER SHEET

5 EASTVIEW DRIVE
ST. CHARLES, MO 63303

TABLE R302(1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA											
GROUND SNOW LOAD (SEASIDE)	WIND SPEED (MPH)	SEISMIC CATEGORY	WEATHERING (s)	FROST LINE DEPTH (in)	TEMPERATURE (c)	DECAY (c)	WINTER DESIGN TEMP (c)	ICE SHEILD UNDERLAY (c)	FLOOD HAZARD (ft)	AIR FREEZE INDEX (c)	MEAN ANNUAL TEMP (c)
20	30	C	SEVERE	30"	MODERATE to HEAVY	SLIGHT to MOD	2 DEG F	NO	NO (4'-0" to 11'1" 1'-0" to 1'-6" 1'-0" to 1'-6"	10000	56.3 DEG F

GENERAL NOTES

IN FIELD LAYOUT AND SHOP DETAILING THE CONTRACTOR MUST VERIFY AND COORDINATE DIMENSIONS ON ARCHITECTURAL, MECHANICAL AND STRUCTURAL DRAWINGS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT. CONTRACTOR TO ASSUME FULL RESPONSIBILITY, UNRELIEVED BY REVIEW OF SHOP DRAWINGS OR PERIODIC OBSERVATIONS OF CONSTRUCTION FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS, FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED ON THE JOB SITE AND BETWEEN INDIVIDUAL DRAWINGS OR SETS OF DRAWINGS, FOR FABRICATION PROCESSES AND CONSTRUCTION TECHNIQUES (INCLUDING INSULATION, BRACING, ERECTION, ETC.) TO BE CORRELATED TO THE CONTRACT DOCUMENTS FOR COORDINATION OF THE VARIOUS TRADES AND FOR SAFE CONDITIONS ON THE JOB SITE. VARIATION IN THE FIELD CONDITIONS RELATIVE TO THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT. WORK SHALL NOT PROGRESS UNTIL WRITTEN PERMISSION FROM THE ARCHITECT IS OBTAINED.

DO NOT SCALE DRAWINGS

CONCRETE

- STANDARDS
 - ACI 318 BUILDING CODE REQUIREMENT FOR REINFORCED CONCRETE.
 - ACI 318 MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.
 - ACI 347 RECOMMENDED PRACTICE FOR CONCRETE FORMWORK.
 - ACI 304 RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE.
 - ACI 309 RECOMMENDED PRACTICE FOR CONSOLIDATION OF CONCRETE (ACI 309-12).
 - ACI 308 RECOMMENDED PRACTICE FOR CURING CONCRETE.
 - ACI 306 RECOMMENDED PRACTICE FOR COLD WEATHER CONCRETING.
 - ACI 305 RECOMMENDED PRACTICE FOR HOT WEATHER CONCRETING.
 - ALL DETAIL AND SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO THE FABRICATION OF ANY COMPONENTS.
 - STRUCTURAL ENGINEER'S REVIEW OF DRAWINGS PREPARED BY CONTRACTORS, SUPPLIERS, ETC., ARE ONLY FOR CONFORMANCE WITH DESIGN CONCEPT. CONSTRUCTION SHALL NOT START WITHOUT SAID REVIEW.
 - TRUSS COMPANY TO VERIFY KNEE HEIGHTS AND ROOF CONFIGURATION, AND TO NOTIFY THE ARCHITECT OF ANY INCONSISTENCIES PRIOR TO FABRICATION.
- MASONRY
- MASONRY SHALL BE LAID IN A RUNNING BOND UNLESS NOTED OTHERWISE.
 - BRICK VENEER WALLS REQUIRE WEEPHOLES AT LEAST 3/16" IN DIAMETER SPACED LESS THAN 33".
 - AT MASONRY VENEER WITH WOOD STUD BACKUP PROVIDE VENEER ANCHORS AS INDICATED BELOW.
- | ANCHOR REQUIREMENTS FOR SOLID BRICK VENEER ATTACHED TO WOOD STUD WALLS | | | | | | |
|--|---------------------|------------|--------------------------|-------------------|----------------------------------|---------------------|
| TYPE | MINIMUM SIZE | SHAPE | OUTSIDE FACE COVER (MIN) | EMBED- MENT (MIN) | AIR SPACE (MAX) | FASTENER SIZE (MIN) |
| SHEET METAL | 7/8"u (MIN) x 22 GA | CORRUGATED | | 1" MAX NOMINAL | 24" HORIZ (MAX) 2.61 SQ. FT. MAX | 8d COMMON |
- WOOD
- STANDARDS: "TIMBER CONSTRUCTION MANUAL" BY AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (LATEST EDITION), "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" BY THE NATIONAL WOOD PRODUCTS ASSOCIATION (LATEST EDITION).
 - ALL LUMBER SHALL CONFORM TO THE SPECIES AND FULLY RECOGNIZE NOMINAL SIZES SHOWN ON THE PLANS OR TRUSS ENGINEER'S DESIGNS. ALL MEMBERS SHALL BE CUT FROM LUMBER WHICH BEARS THE PROPER TRADE GRADING STAMP OF A RECOGNIZED GRADING ASSOCIATION OR LICENSED LUMBER INSPECTION AGENCY. NO LUMBER SHALL BE USED WHICH DOES NOT APPEAR TO CONFORM TO THE PROPER DIMENSIONS AND/OR GRADE.
 - PROVIDE 1x3" OR EQUIVALENT METAL CROSS BRIDGING NOT OVER 8'-0" O.C. FOR ALL WOOD JOISTS AND FLOOR TRUSSES.
 - CUTTING, NOTCHING AND/OR BORING HOLES IN WOOD BEAMS, JOISTS, RAFTERS, OR STUDS SHALL NOT EXCEED THE LIMITATIONS NOTED IN THE CODE.
 - NAILING AND FASTENING OF FLOOR, ROOF/CEILING, WALL AND ROOF SHEATHING, AND GYPSUM CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CODE.
 - PROVIDE MID-HEIGHT BLOCKING AT ALL BEARING WALLS.
 - PROVIDE DOUBLE JOISTS UNDER NON-BEARING WALLS PARALLEL TO JOISTS.
 - PROVIDE 2x BLOCKING BETWEEN FLOOR JOISTS AT INTERIOR BEARING WALLS.
 - PLYWOOD SHALL BE INSTALLED WITH THE FACE GRAIN PERPENDICULAR TO SUPPORT, AND SIZED AS FOLLOWS:
 - FLOOR - 3/4" THICK, 5-PLY WITH A 48/24 APA SPAN RATING.
 - ROOF - 1/2" THICK, 4-PLY, OR 3/8" THICK WITH AFG SUPPORT (TONGUE-AND-GROOVE, PANEL EDGE CLIPS, OR 2x LUMBER BLOCKING).
 - WHERE NOTED ON PLAN, USE LUMBER AS MANUFACTURED BY "VETTERHAUEBER" - TRUSS JOIST WITH THE FOLLOWING MINIMUM STRESS REQUIREMENTS GIVEN IN THE TABLE (SOUTHERN PINE #1)

Pd BENDING	(psi)	1200
Ft. TENSION	(psi)	825
Fv. SHEAR	(psi)	170
Fc PERPENDICULAR	(psi)	652
Fc PARALLEL	(psi)	1000
E	(ksi)	1,600,000
 - HORIZONTAL FRAMING OF QUALITY TO MEET MINIMUM STRESS REQUIREMENTS GIVEN IN THE TABLE BELOW (18% MAX. M.C.) (SOUTHERN PINE)

	2x8s	2x10s	2x12s
Pd BENDING	(psi)	925	800
Ft. TENSION	(psi)	550	475
Fv. SHEAR	(psi)	175	175
Fc PERPENDICULAR	(psi)	565	565
Fc PARALLEL	(psi)	1350	1350
E	(ksi)	1,400,000	1,400,000
 - WOOD STUD FRAMING OF QUALITY TO MEET MINIMUM STRESS REQUIREMENTS GIVEN IN THE TABLE BELOW (18% MAX. M.C.) (SPRUCE PINE FIR)

	2x8s	2x10s	2x12s
Pd BENDING	(psi)	925	800
Ft. TENSION	(psi)	550	475
Fv. SHEAR	(psi)	175	175
Fc PERPENDICULAR	(psi)	565	565
Fc PARALLEL	(psi)	1350	1350
E	(ksi)	1,400,000	1,400,000
- (16) WALL STUD FRAMING OF QUALITY TO MEET MINIMUM STRESS REQUIREMENTS GIVEN IN THE TABLE BELOW (18% MAX. M.C.) (SPRUCE PINE FIR)
- | | | | |
|------------------|-------|-----------|-----------|
| | 2x8s | 2x10s | 2x12s |
| Pd BENDING | (psi) | 500 | 875 |
| Ft. TENSION | (psi) | 250 | 430 |
| Fv. SHEAR | (psi) | 425 | 135 |
| Fc PERPENDICULAR | (psi) | 625 | 425 |
| Fc PARALLEL | (psi) | 1,200,000 | 1,400,000 |
| E | (ksi) | 1,600,000 | 1,400,000 |
- (17) FOUNDATION ANCHORAGE: MIN 2x4 TRTD SILL WITH ANCHOR BOLT PER PLAN (MIN 12" DIA) EMBEDDED TO A DEPTH OF MIN 8". THERE SHALL BE A MIN OF 2 ANCHORS PER SECTION OF PLATE WITH ANCHORS LOCATED WITHIN 12" MAX. FROM EITHER END AND SPACED PER PLAN (6'-0" O.C. MAX). VERIFY WITH LOCAL UPLIFT REQUIREMENTS.
- EXTERIOR WALL SHEATHING
- ENTIRE EXTERIOR IS TO BE SHEATHED WITH 1/2" PLYWOOD OR 7/16" OSB WITH 8d * 6" O.C. EDGE NAILING & * 12" O.C. INTERMEDIATE NAILING. ADDITIONAL BRACING MAY BE REQUIRED PER CURRENT IRC WIND BRACING CODES. SEE PLANS FOR ADDITIONAL DESIGN / FRAMING CRITERIA.
- DRYWALL
- DRYWALL INSTALLATIONS MUST BE IN ACCORDANCE WITH THE GYPSUM ASSOCIATION RECOMMENDED PRACTICES. THICKNESS, NAILING AND TAPING OF FIRE RATED TYPES MUST BE INSTALLED ACCORDING TO PRACTICE TEST ASSEMBLIES.
 - PROVIDE APPROVED WATER-RESISTANT GYPSUM BACKER BOARD AS A SUBSTRATUM IN BATHUB AND SHOWER AREAS. ALL INTERIOR WATER-RESISTANT GYPSUM SHALL BE FABRICATED UNDER STRICT SUPERVISION OF OR INSPECTION BY THE ARCHITECT. THE LOCAL CODE MAY REQUIRE AND BE OPEN TO INSPECTION BY CONTRACTOR AND ARCHITECT AT ALL TIMES.
- TRUSS ANCHORS
- ANCHOR EACH TRUSS BEARING POINT AT WALL WITH TYPE HI, NO. 10 GAUGE STEEL TIE BY SIMPSON CO. OR PER THE NAILING SCHEDULE AS INDICATED ON THE DRAWINGS.

ENGINEERING DESIGN AND SHOP DRAWINGS

- ALL TRUSS DESIGNS SHALL BEAR THE NAME, SEAL AND/OR REGISTERED NUMBER OF A LICENSED PROFESSIONAL ENGINEER.
- TRUSS DESIGN SHALL CONTAIN THE FOLLOWING DATA, AND COMPLY WITH REQUIREMENTS OF CURRENT IBC CODES AND MINIMUM LOADS AS LISTED:
 - LOADING (UNIFORM)
 - TOP CHORD: 20 PSF LIVE LOAD, 10 PSF DEAD LOAD, 90W DRIFT PER CURRENT IBC CODE.
 - BOTTOM CHORD: 10 PSF DEAD LOAD, 20 PSF DEAD LOAD W/ ATTIC STORAGE. DEAD LOAD MAY BE REDUCED TO 8 PSF OR THE ACTUAL DEAD LOAD WHERE THE CLEAR HEIGHT BETWEEN THE BOTTOM CHORD AND ANY OTHER MEMBER OF THE TRUSS IS LESS THAN 30", OR EXCEEDS 30" FOR NO MORE THAN 12" HORIZONTALLY.
 - DEAD LOAD PLUS LIVE LOAD OF 20 PSF WHERE TRUSS CONFIGURATION ALLOWS A RECTANGULAR SPACE OF 42" VERTICALLY BY 24" HORIZONTALLY BETWEEN THE WEBS AND BOTTOM CHORD, IF ACCESSIBLE BY A PERMANENT OR FULL-DOWN STAIR AND THE PITCH OF THE BOTTOM CHORD IS LESS THAN 12".
 - EXCEPTION: (1) ATTICS WITH DRYWALL CEILINGS ACCESSED ONLY BY A 22" x 30" SCUTTLE OPENING WITHOUT A STAIR.
 - WARNING SIGNS ARE ATTACHED TO THE TRUSSES ON EACH SIDE OF THE OPENING AT LEAST 36" ABOVE THE BOTTOM CHORD AND WITHIN 18" OF THE EDGE OF THE OPENING. THE SIGNS SHALL BE CONSTRUCTED OF METAL OR OTHER APPROVED DURABLE MATERIALS SUITABLE FOR THE LOCATION AND BE A MIN. OF 40 SQ.IN. IN AREA WITH 3/4" MIN. HIGH LETTERS ON A CONTRASTING BACKGROUND THAT READS "WARNING - TRUSSES NOT DESIGNED FOR ATTIC STORAGE".
 - ATTIC AREAS OVER GARAGE AREAS WITH DRYWALL CEILINGS SHALL BE PROVIDED WITH A HORIZONTAL RAILING ATTACHED TO THE TRUSSES ON EACH SIDE OF THE OPENING AT LEAST 24" AND NOT MORE THAN 36" ABOVE THE BOTTOM CHORD. THE RAILING IS INTENDED TO BE AN OBSTRUCTION TO EASY ACCESS FOR STORAGE AND SHALL BE CONSTRUCTED OF EITHER 1x4s, 2x4s OR 3x8"x6" PLYWOOD. IT MAY BE SHOP OR FIELD APPLIED.
 - METAL CONNECTOR GAUGE SIZES AND NAME OF CONNECTOR'S MANUFACTURER AND CAPACITY OF EACH CONNECTION.
 - LUMBER SPECIFICATIONS
 - PITCH, SPAN AND BRACING OF TRUSSES
 - DESIGN LOADS AND ALLOWABLE STRESS INCREASE, IF ANY
 - SIZE AND LOCATION OF ALL CONNECTOR PLATES
 - TRUSS SUPPORTS
 - CAMBER, IF ANY
 - PERMANENT BRACING
 - HANDLING AND ERECTION INSTRUCTIONS
 - THREE COPIES OF EACH TRUSS DESIGN AND/OR SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO THE FABRICATION OF ANY COMPONENTS.
 - STRUCTURAL ENGINEER'S REVIEW OF DRAWINGS PREPARED BY CONTRACTORS, SUPPLIERS, ETC., ARE ONLY FOR CONFORMANCE WITH DESIGN CONCEPT. CONSTRUCTION SHALL NOT START WITHOUT SAID REVIEW.
 - TRUSS COMPANY TO VERIFY KNEE HEIGHTS AND ROOF CONFIGURATION, AND TO NOTIFY THE ARCHITECT OF ANY INCONSISTENCIES PRIOR TO FABRICATION.

MASONRY

- MASONRY SHALL BE LAID IN A RUNNING BOND UNLESS NOTED OTHERWISE.
- BRICK VENEER WALLS REQUIRE WEEPHOLES AT LEAST 3/16" IN DIAMETER SPACED LESS THAN 33".
- AT MASONRY VENEER WITH WOOD STUD BACKUP PROVIDE VENEER ANCHORS AS INDICATED BELOW.

ANCHOR REQUIREMENTS FOR SOLID BRICK VENEER ATTACHED TO WOOD STUD WALLS						
TYPE	MINIMUM SIZE	SHAPE	OUTSIDE FACE COVER (MIN)	EMBED- MENT (MIN)	AIR SPACE (MAX)	FASTENER SIZE (MIN)
SHEET METAL	7/8"u (MIN) x 22 GA	CORRUGATED		1" MAX NOMINAL	24" HORIZ (MAX) 2.61 SQ. FT. MAX	8d COMMON

WOOD

- STANDARDS: "TIMBER CONSTRUCTION MANUAL" BY AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (LATEST EDITION), "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" BY THE NATIONAL WOOD PRODUCTS ASSOCIATION (LATEST EDITION).
 - ALL LUMBER SHALL CONFORM TO THE SPECIES AND FULLY RECOGNIZE NOMINAL SIZES SHOWN ON THE PLANS OR TRUSS ENGINEER'S DESIGNS. ALL MEMBERS SHALL BE CUT FROM LUMBER WHICH BEARS THE PROPER TRADE GRADING STAMP OF A RECOGNIZED GRADING ASSOCIATION OR LICENSED LUMBER INSPECTION AGENCY. NO LUMBER SHALL BE USED WHICH DOES NOT APPEAR TO CONFORM TO THE PROPER DIMENSIONS AND/OR GRADE.
 - PROVIDE 1x3" OR EQUIVALENT METAL CROSS BRIDGING NOT OVER 8'-0" O.C. FOR ALL WOOD JOISTS AND FLOOR TRUSSES.
 - CUTTING, NOTCHING AND/OR BORING HOLES IN WOOD BEAMS, JOISTS, RAFTERS, OR STUDS SHALL NOT EXCEED THE LIMITATIONS NOTED IN THE CODE.
 - NAILING AND FASTENING OF FLOOR, ROOF/CEILING, WALL AND ROOF SHEATHING, AND GYPSUM CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CODE.
 - PROVIDE MID-HEIGHT BLOCKING AT ALL BEARING WALLS.
 - PROVIDE DOUBLE JOISTS UNDER NON-BEARING WALLS PARALLEL TO JOISTS.
 - PROVIDE 2x BLOCKING BETWEEN FLOOR JOISTS AT INTERIOR BEARING WALLS.
 - PLYWOOD SHALL BE INSTALLED WITH THE FACE GRAIN PERPENDICULAR TO SUPPORT, AND SIZED AS FOLLOWS:
 - FLOOR - 3/4" THICK, 5-PLY WITH A 48/24 APA SPAN RATING.
 - ROOF - 1/2" THICK, 4-PLY, OR 3/8" THICK WITH AFG SUPPORT (TONGUE-AND-GROOVE, PANEL EDGE CLIPS, OR 2x LUMBER BLOCKING).
 - WHERE NOTED ON PLAN, USE LUMBER AS MANUFACTURED BY "VETTERHAUEBER" - TRUSS JOIST WITH THE FOLLOWING MINIMUM STRESS REQUIREMENTS GIVEN IN THE TABLE (SOUTHERN PINE #1)

Pd BENDING	(psi)	1200
Ft. TENSION	(psi)	825
Fv. SHEAR	(psi)	170
Fc PERPENDICULAR	(psi)	652
Fc PARALLEL	(psi)	1000
E	(ksi)	1,600,000
 - HORIZONTAL FRAMING OF QUALITY TO MEET MINIMUM STRESS REQUIREMENTS GIVEN IN THE TABLE BELOW (18% MAX. M.C.) (SOUTHERN PINE)

	2x8s	2x10s	2x12s
Pd BENDING	(psi)	925	800
Ft. TENSION	(psi)	550	475
Fv. SHEAR	(psi)	175	175
Fc PERPENDICULAR	(psi)	565	565
Fc PARALLEL	(psi)	1350	1350
E	(ksi)	1,400,000	1,400,000
 - WOOD STUD FRAMING OF QUALITY TO MEET MINIMUM STRESS REQUIREMENTS GIVEN IN THE TABLE BELOW (18% MAX. M.C.) (SPRUCE PINE FIR)

	2x8s	2x10s	2x12s
Pd BENDING	(psi)	925	800
Ft. TENSION	(psi)	550	475
Fv. SHEAR	(psi)	175	175
Fc PERPENDICULAR	(psi)	565	565
Fc PARALLEL	(psi)	1350	1350
E	(ksi)	1,400,000	1,400,000
- (16) WALL STUD FRAMING OF QUALITY TO MEET MINIMUM STRESS REQUIREMENTS GIVEN IN THE TABLE BELOW (18% MAX. M.C.) (SPRUCE PINE FIR)
- | | | | |
|------------------|-------|-----------|-----------|
| | 2x8s | 2x10s | 2x12s |
| Pd BENDING | (psi) | 500 | 875 |
| Ft. TENSION | (psi) | 250 | 430 |
| Fv. SHEAR | (psi) | 425 | 135 |
| Fc PERPENDICULAR | (psi) | 625 | 425 |
| Fc PARALLEL | (psi) | 1,200,000 | 1,400,000 |
| E | (ksi) | 1,600,000 | 1,400,000 |
- (17) FOUNDATION ANCHORAGE: MIN 2x4 TRTD SILL WITH ANCHOR BOLT PER PLAN (MIN 12" DIA) EMBEDDED TO A DEPTH OF MIN 8". THERE SHALL BE A MIN OF 2 ANCHORS PER SECTION OF PLATE WITH ANCHORS LOCATED WITHIN 12" MAX. FROM EITHER END AND SPACED PER PLAN (6'-0" O.C. MAX). VERIFY WITH LOCAL UPLIFT REQUIREMENTS.

CLIMATE ZONE	PENETRATION U-FACTOR (b)	SKYLIGHT U-FACTOR (b)	GLAZED PENETRATION SHGC (b)	CEILING R-VALUE (b)	FRAME WALL R-VALUE (b)	WOOD WALL R-VALUE (b)	MAS S WALL R-VALUE (b)	FLOOR R-VALUE (b)	BASMENT WALL R-VALUE (c)	SLAB R-VALUE (c)	GRAIL SPACE WALL R-VALUE (c)
4 (except MARINE)	0.40	0.55	NR	38	13	15	10/13	10/13	10/2, 14	10/13	10/13

CLIMATE ZONE	PENETRATION U-FACTOR (b)	SKYLIGHT U-FACTOR (b)	GLAZED PENETRATION SHGC (b)	CEILING R-VALUE (b)	FRAME WALL R-VALUE (b)	WOOD WALL R-VALUE (b)	MAS S WALL R-VALUE (b)	FLOOR R-VALUE (b)	BASMENT WALL R-VALUE (c)	SLAB R-VALUE (c)	GRAIL SPACE WALL R-VALUE (c)
4 (except MARINE)	0.40	0.55	NR	38	13	15	10/13	10/13	10/2, 14	10/13	10/13

- R-VALUES ARE MINIMUMS. U-FACTORS ARE MAXIMUMS. WHEN INSULATION IS INSTALLED IN A CAVITY WHICH IS LESS THAN THE LABEL OR DESIGN THICKNESS OF THE INSULATION, OR INSTALLED R-VALUE OF THE INSULATION SHALL NOT BE LESS THAN THE R-VALUE SPECIFIED IN THE TABLE.
- THE FLOOR U-FACTOR FOR EXTERIOR WALLS EXCLUDES SKYLIGHTS. THE SHGC COLUMN APPLIES TO ALL GLAZED PENETRATION.
- "10/13" MEANS R-10 CONTINUOUS INSULATION ON THE INTERIOR OR EXTERIOR OF THE HOME OR R-13 CAVITY INSULATION AT THE INTERIOR OF THE BASEMENT WALL. INSULATION SHALL EXTEND FROM TOP OF FOUNDATION WALL DOWN 12" BELOW GRADE OR TO THE BASEMENT SLAB.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUE FOR HEATED SLABS.
- N/A
- N/A
- THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13/5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION.
- R-5 SHALL BE ADDED TO THE REQUIRED SLAB

[illegible]
$$1/4'' = 1' - \emptyset''$$

10'-10" (SEE PLAN)

DRYWALL

2-2x6 IN WALL

2x10 F.J.

BEAM PER PLAN

34" ± 3/8" H. CONT. GRABABLE HANDRAIL

6'-8" MIN. HEADROOM

ROUGH STAIRS

2X TREAD

1x RISER

1" MIN. NOSING

MIN. 2-2x12 STRINGERS

2x10 F.J.

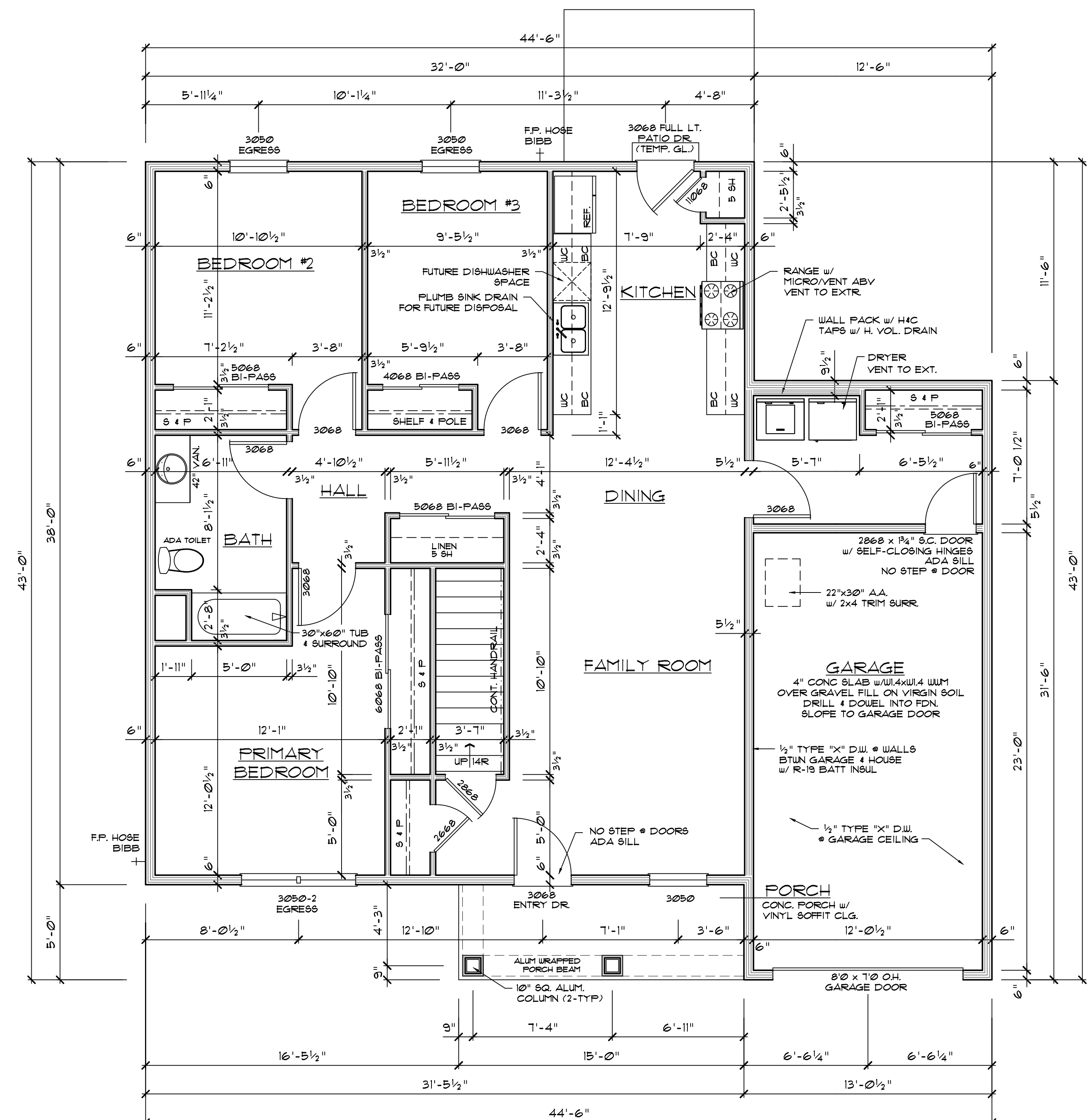
BEAM PER PLAN

1" METAL STRAP HANGER @ EA. STRINGER

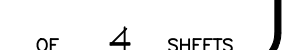
14" RISERS @ 12.25" = 8'-6"

2x4 BLOCKING

13 TREADS @ 10" = 10'-10"

$$3/8'' = 1'-0''$$


1315 SF

$$1/4'' = 1' - \emptyset''$$


NOTE: INSTALL UL LISTED SMOKE DETECTORS ON EACH LEVEL AS INDICATED ON THE DRAWINGS. SMOKE DETECTORS SHALL BE AC POWERED WITH BATTERY BACK-UP. ALL SMOKE DETECTORS SHALL BE WIRED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTUATE ALL OF THE ALARMS IN THE DWELLING. PROVIDE A CARBON MONOXIDE DETECTOR OUTSIDE & IN THE IMMEDIATE VICINITY OF THE SLEEPING AREAS, IF THE DWELLING CONTAINS A FUEL FIRED APPLIANCE OR HAS AN ATTACHED OR BASEMENT GARAGE. 120V POWERED w/ BATTERY BACK-UP & INTERCONNECTED w/ SMOKE DETECTORS.

NOTE: LOCATE PHONE & T.V. JACKS PER BUILDER

ELECTRICAL SYMBOL LEGEND	
⊕	DUPLEX RECEPTACLE
⊕220 V.	220 V. SPECIAL PURPOSE RECEPTACLE
⊕WP	DUPLEX WATERPROOF RECEPT.
⊕GFI	DUPLEX GROUND FAULT RECEPT.
⊕	SMOKE DETECTOR
⊕	TWO WAY SWITCH
⊕	THREE WAY SWITCH
⊕	DISPOSAL
⊕	EXHAUST FAN
⊕	INCAND. SURFACE MTD. LIGHT FIXTURE
⊕	INCAND. BRACKET LIGHT FIXTURE
⊕	INCAND. RECESSED LIGHT FIXTURE
⊕	PULL CHAIN LIGHT FIXTURE
⊕	FAN

FRAMING & ROOF FRAMING NOTES

- ALL TRUSSES TO BE IBC-IRC APPROVED & DESIGNED BY OTHERS.
- SHADED AREAS INDICATE OVERFRAMING. ALL OVERFRAMING AT ROOF SYSTEM TO BE AS FOLLOWS:
 - MINIMUM 2X6'S @ 24" O.C. (MAX) WITH MAXIMUM SPAN OF 10'-0"
 - 2X8'S @ 24" O.C. (MAX) WITH MAXIMUM SPAN OF 14'-0"
 - 2X10'S @ 24" O.C. (MAX) WITH MAXIMUM SPAN OF 18'-0"ALL OVERFRAMING TO BEAR ON TRUSSES OR RAFTERS BELOW. STUB WALLS MUST NOT BEAR PERPENDICULAR TO TRUSS OR RAFTER, BUT BEAR AT AN ANGLE FROM THE PERPENDICULAR.
- USE SIMPSON (OR EQUAL) HANGARS AS INDICATED ON PLANS.
- ALL HEADERS TO BE 2-2X10'S UNLESS OTHERWISE NOTED.
- ALL STEEL LINTELS AND/OR BEAMS TO HAVE A MINIMUM BEARING OF 8" AT EA END.
- ALL 2X LEDGERS TO BE ANCHORED AS FOLLOWS:
 - 3/4" DIA. EXPANSION ANCHORS MINIMUM 5" EMBEDMENT INTO MORTAR JOINT @ 16" O.C. @ MASONRY WALLS.
 - 2-16d NAILS PER STUD @ FRAME WALLS.
- PROVIDE TRIPLE WOOD 2X STUDS AS BUILT UP COLUMNS AT EA END OF BEAM OR HEADER UNLESS NOTED OTHERWISE.

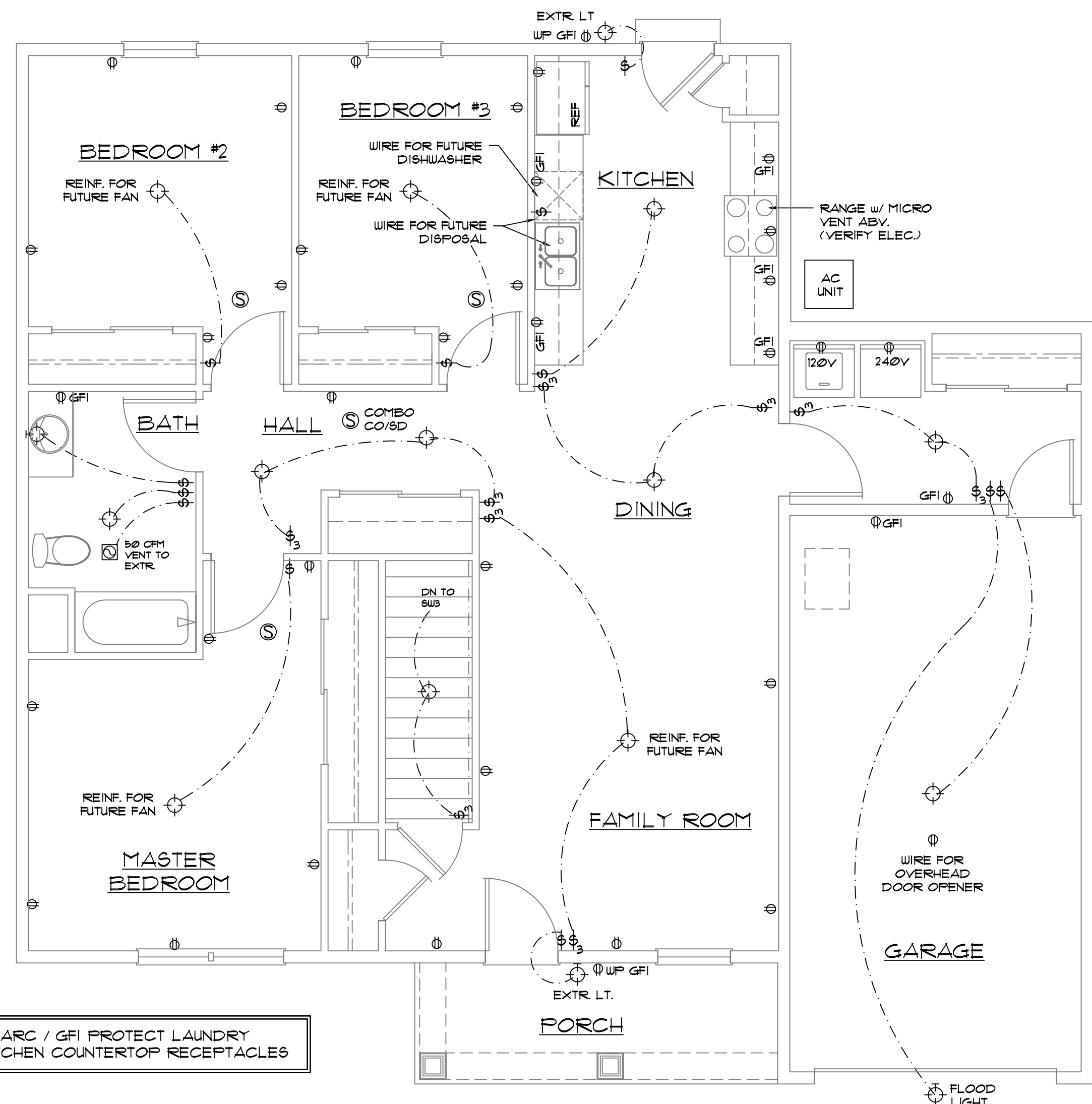
STRUCTURE BRACED PER 2021 IRC SIMPLIFIED METHOD (R602.12)

ALL EXTERIOR WALLS ARE FULLY SHEATHED W/ MIN. 1/16" WD. STRUCTURAL PANEL SHEATHING

B.W.P. — — — — —
BRACED WALL PANEL, INSTALLED ACCORDING TO 2021 I.R.C. R602 (CS-WSP)

P.F. (PORTAL FRAME) — — — — —
SEE DETAIL SHEETS

NOTE: FINAL TRUSS DESIGN BY SUPPLIER TO BE COORDINATED WITH THE PROJECT ARCHITECT TO VERIFY REQUIRED STRUCTURAL VARIATIONS

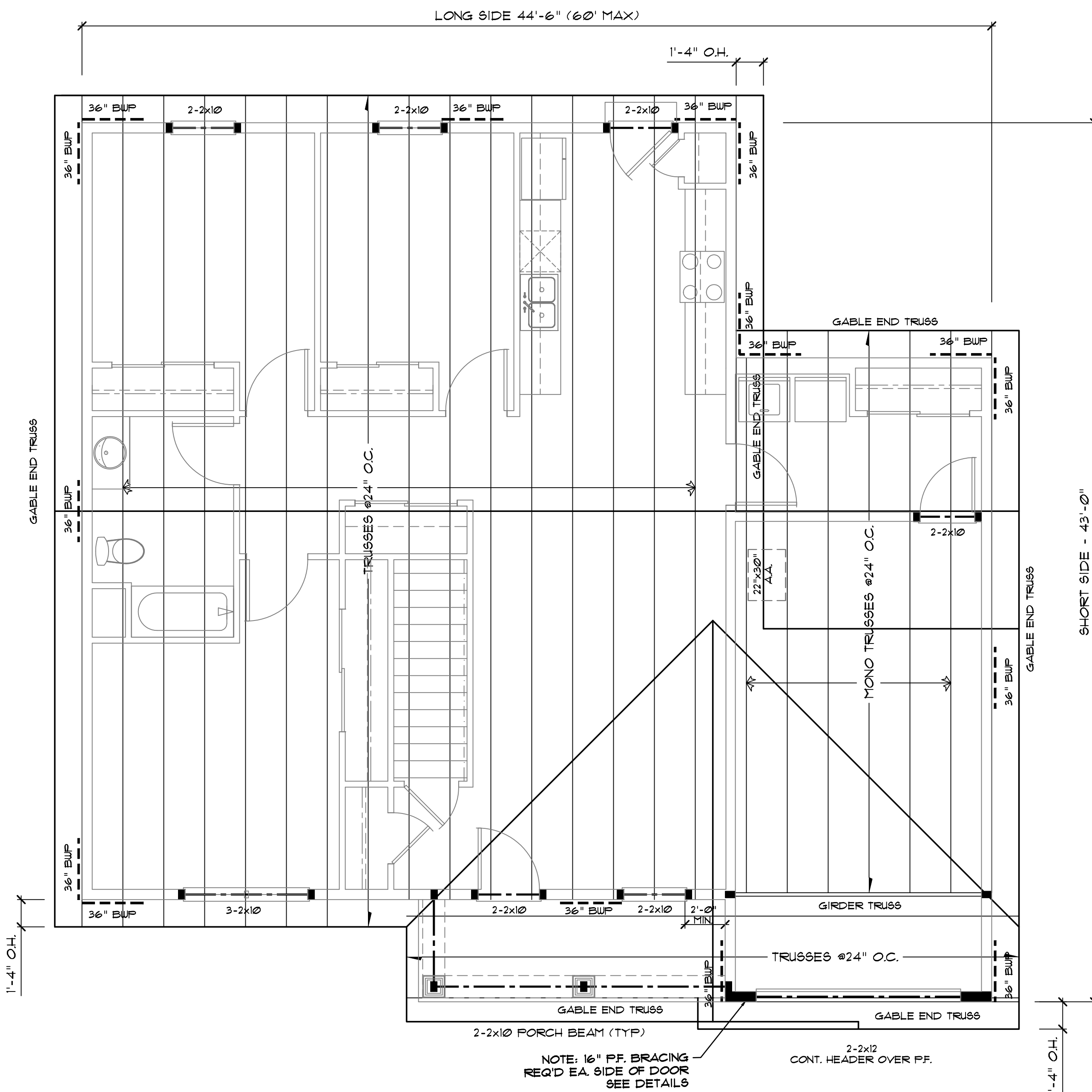


ARC / GFI PROTECT LAUNDRY & KITCHEN COUNTERTOP RECEPTACLES

ALL ARC FAULT BRACH CIRCUITS TO MEET NEC 2014

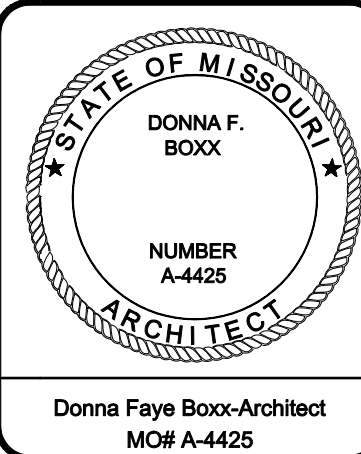
FIRST FLOOR ELECTRIC PLAN

1/4" = 1'-0"



ROOF FRAMING / WALL BRACING PLAN

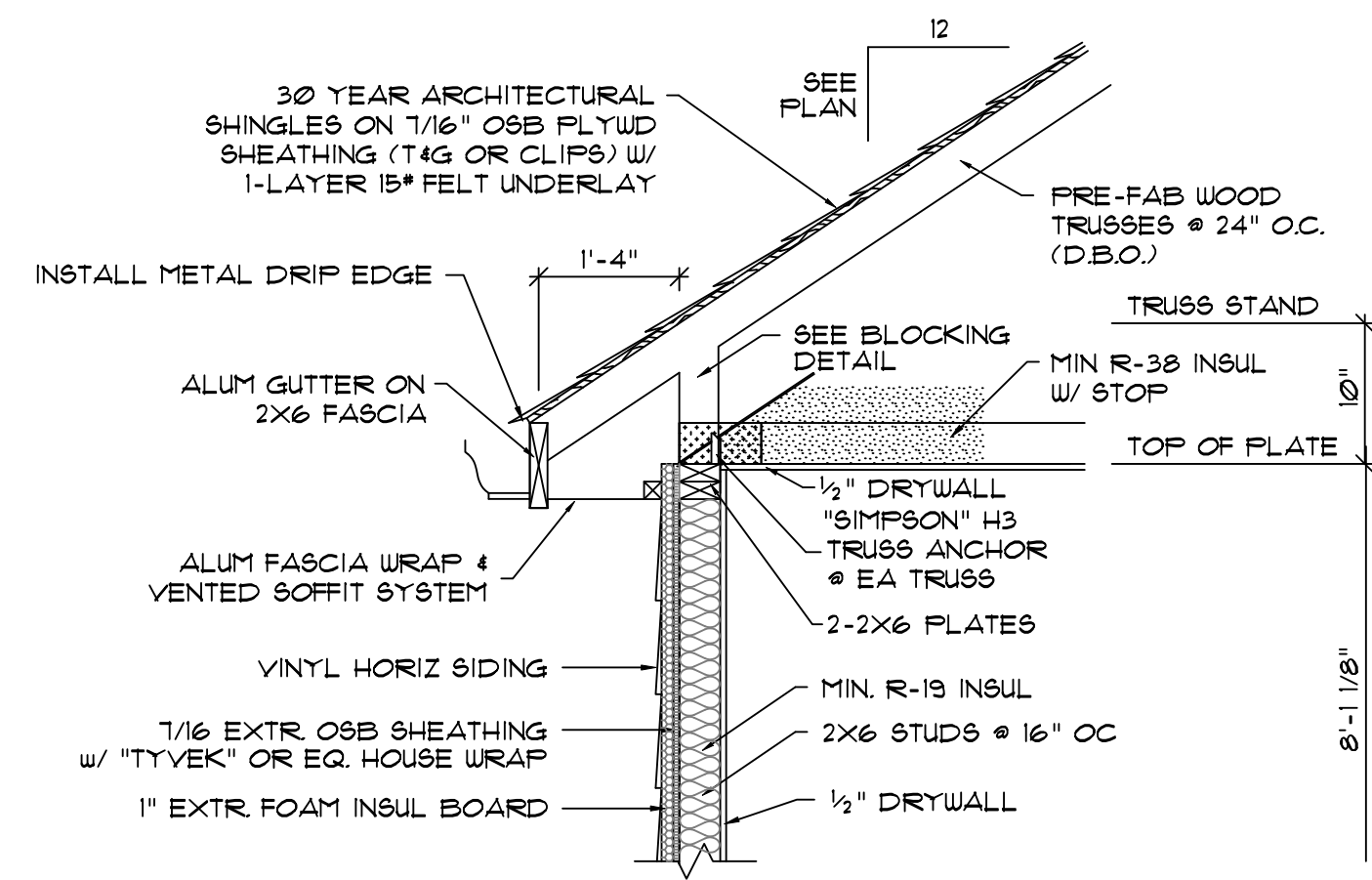
1/4" = 1'-0"



DONNA F. BOXX, Architect, P.C.
160 Marine Lane
St. Louis, Missouri 63146
(314) 434-2333
FAX (314) 434-2203
www.boxxarchitect.com

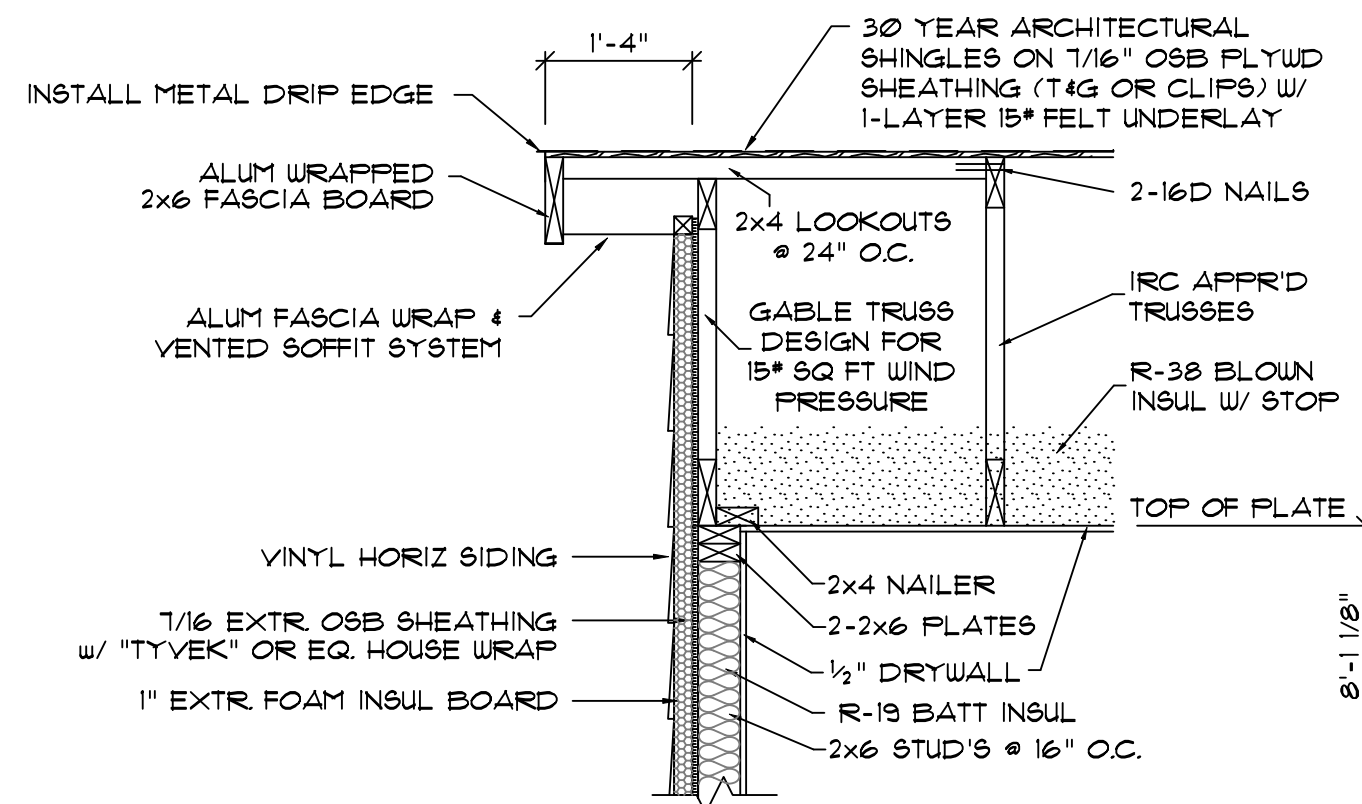
PROPOSED NEW RESIDENCES FOR:
Habitat for Humanity
of St. Charles County
2041 TRADE CENTER DRIVE
ST. PETERS, MISSOURI 63376

ROOF FRAMING / WALL BRACING PLAN
FIRST FLOOR ELECTRIC PLAN
5 EASTVIEW DRIVE
ST. CHARLES, MO 63303



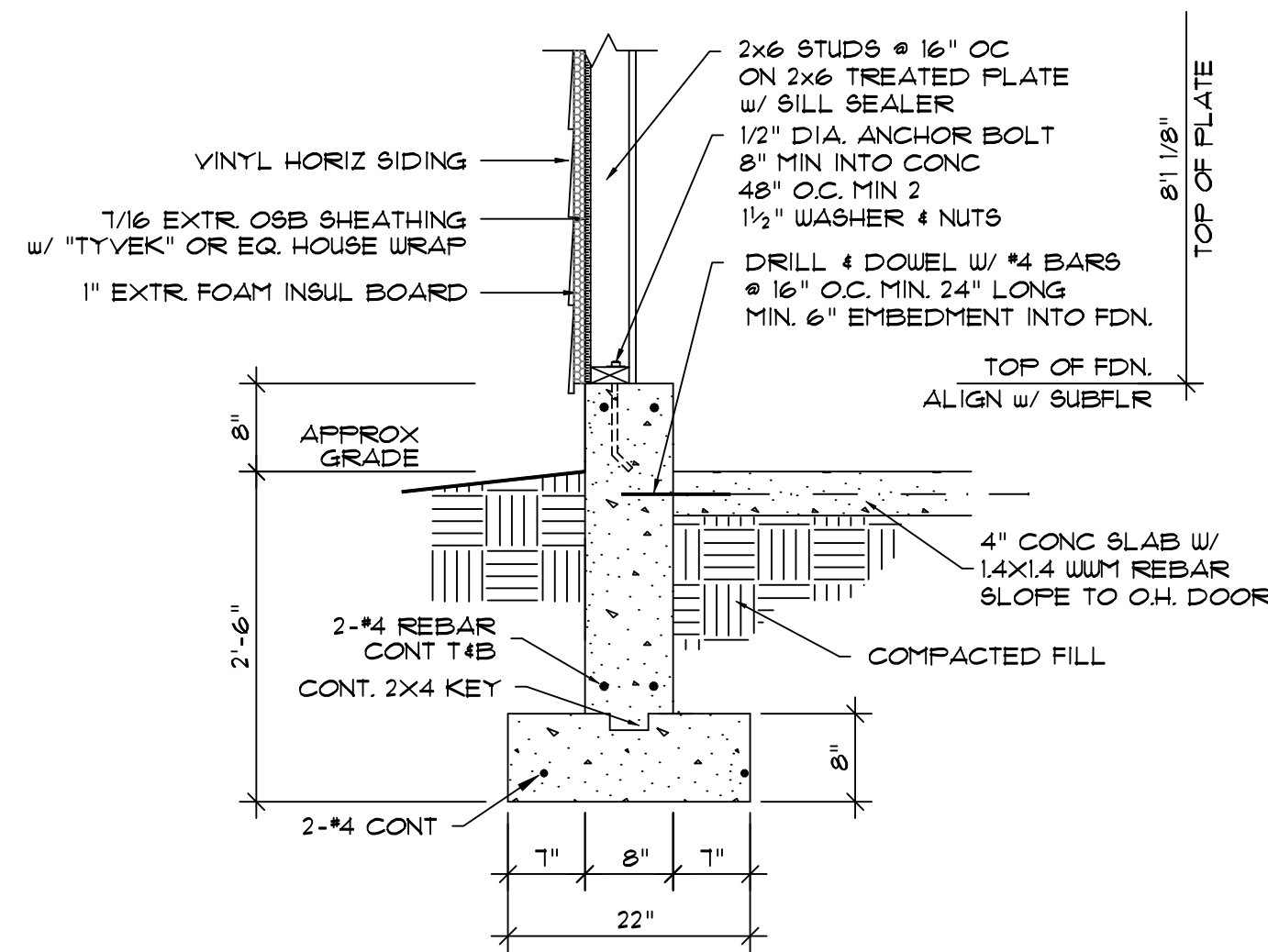
TYPICAL EAVE SECTION

3/4" = 1'-0"



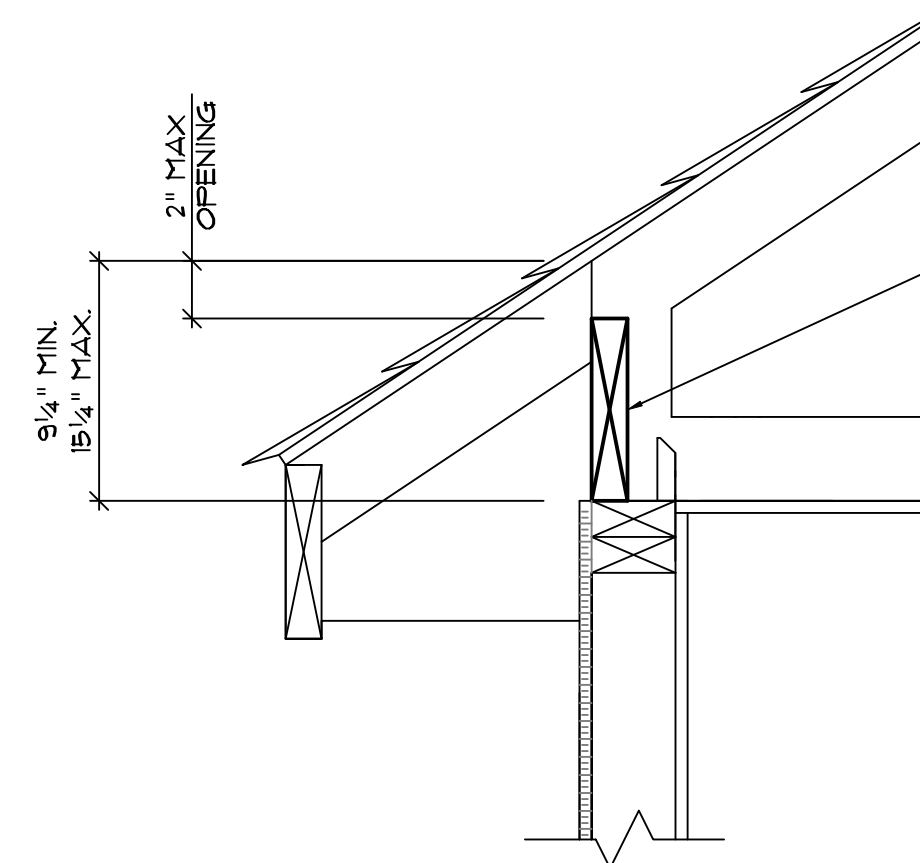
GABLE END SECTION

3/4" = 1'-0"



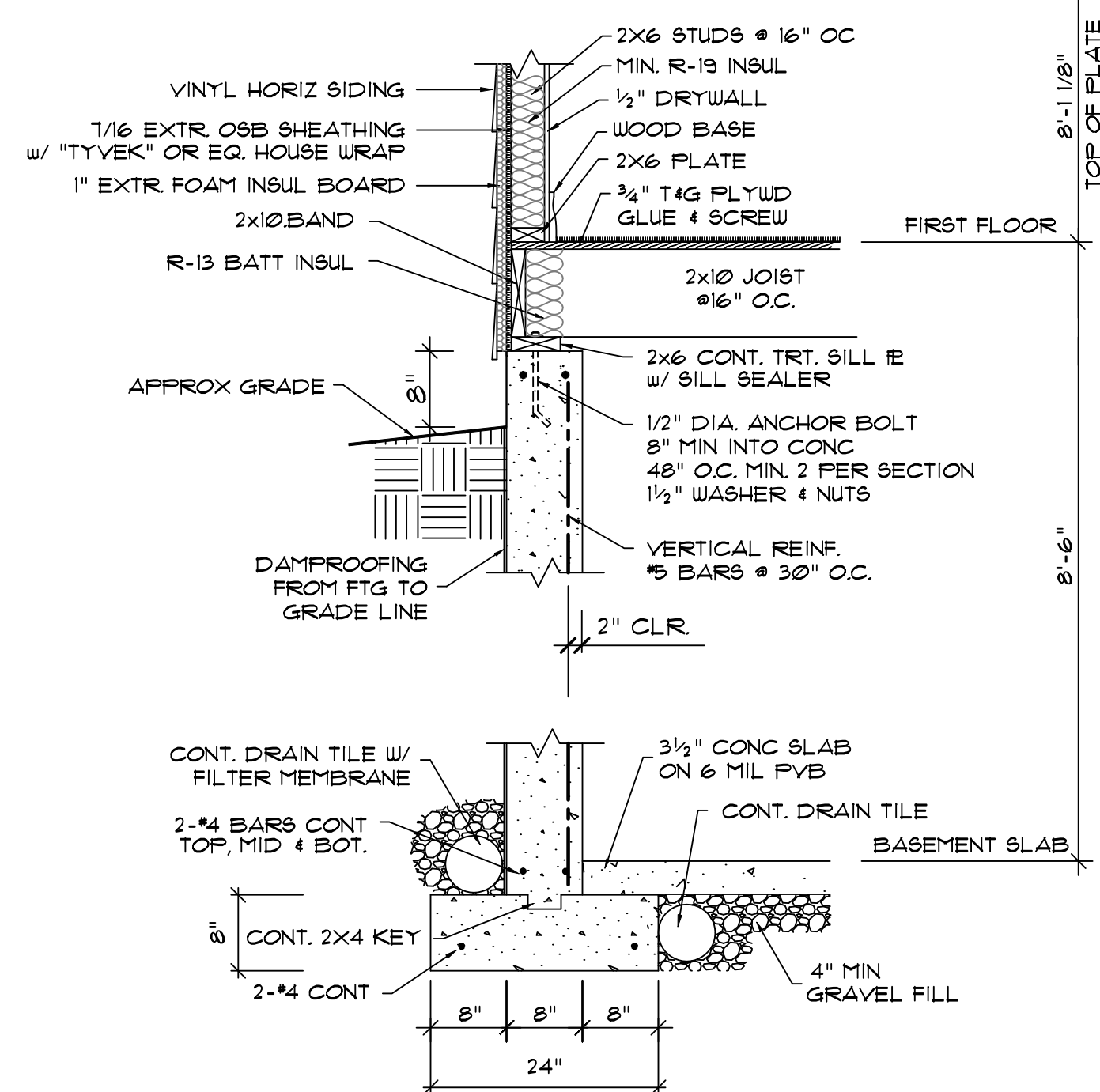
SECTION AT GARAGE FOUNDATION

3/4" = 1'-0"



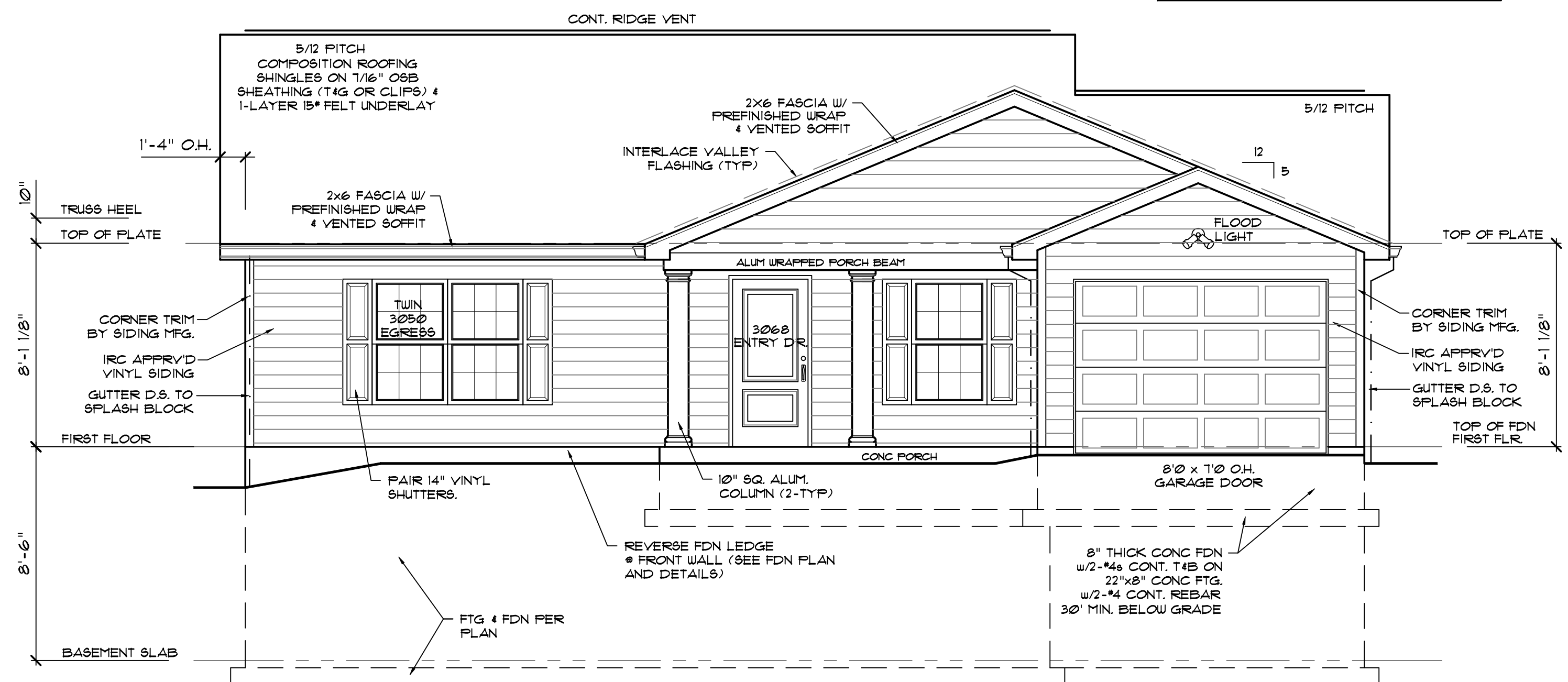
BRACED WALL PANEL CONNECTION TO PERPENDICULAR TRUSSES

1 1/2" = 1'-0"



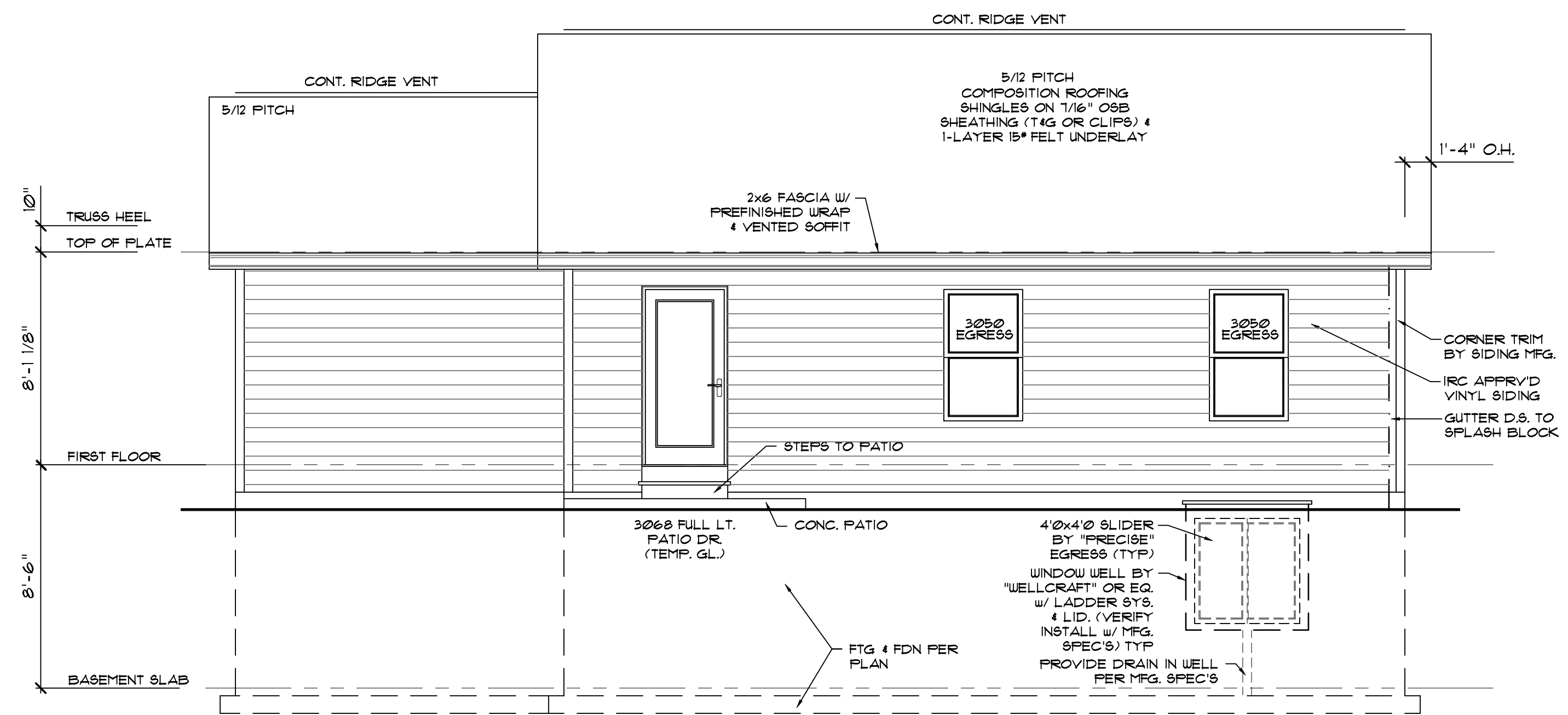
BASMENT WALL SECTION

3/4" = 1'-0"



FRONT ELEVATION

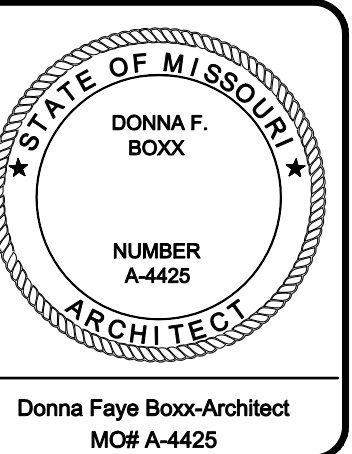
1/4" = 1'-0"



REAR ELEVATION

1/4" = 1'-0"

NOTE: FURNACE AND FIREPLACE FLUES SHALL EXTEND 3'-0" ABOVE THE ROOF AND AT LEAST 2'-0" HIGHER THAN ANY PART OF THE ROOF WITHIN 10'-0"

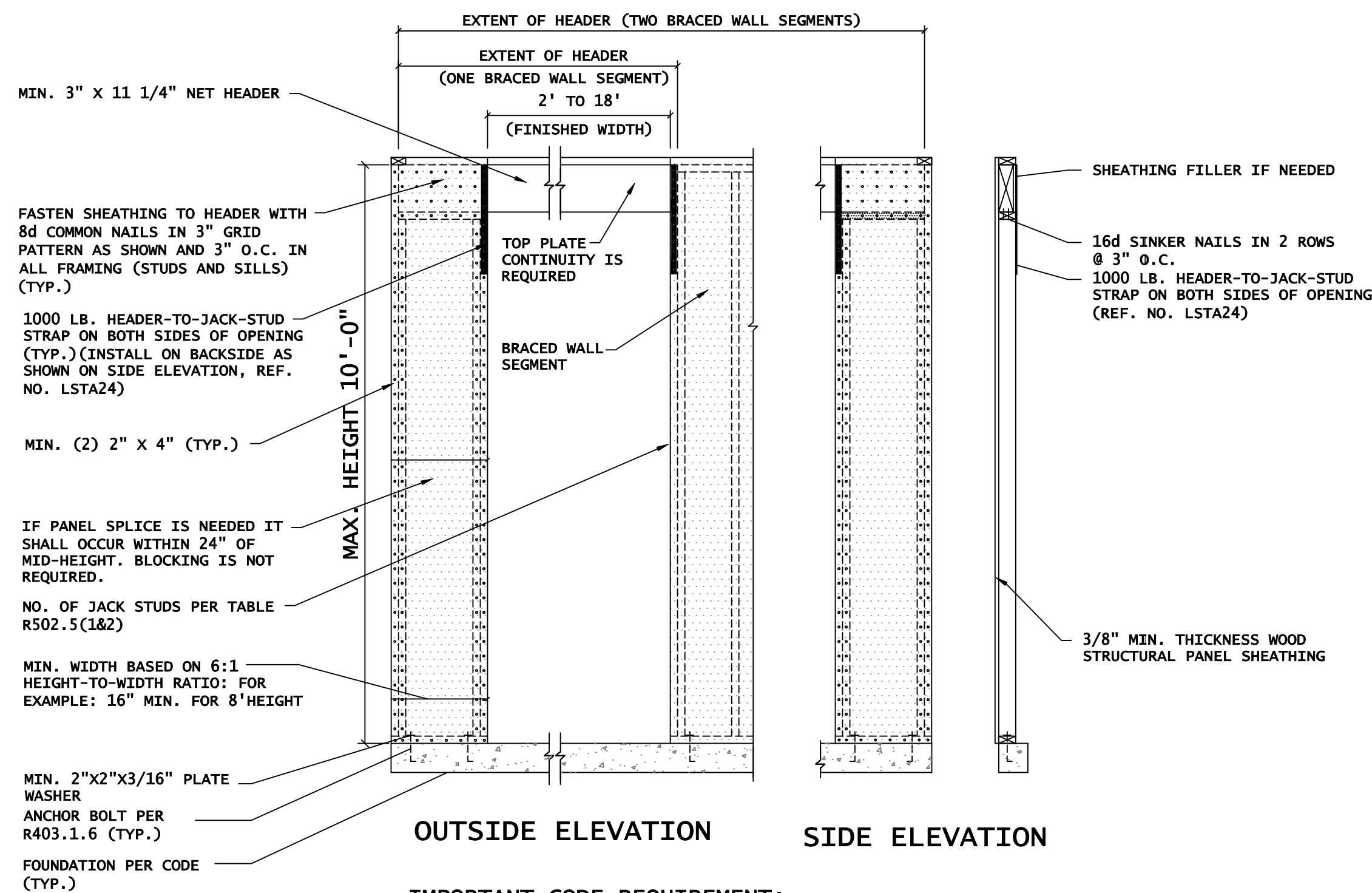


DONNA F. BOXX, Architect, P.C.
160 Marine Lane
St. Louis, Missouri 63146
(314) 434-2333
FAX (314) 434-2203
www.boxxarchitect.com

PROPOSED NEW RESIDENCES FOR:
Habitat for Humanity
of St. Charles County
2041 TRADE CENTER DRIVE
ST. PETERS, MISSOURI 63376

FRONT AND REAR ELEVATIONS
WALL SECTIONS
5 EASTVIEW DRIVE
ST. CHARLES, MO 63303

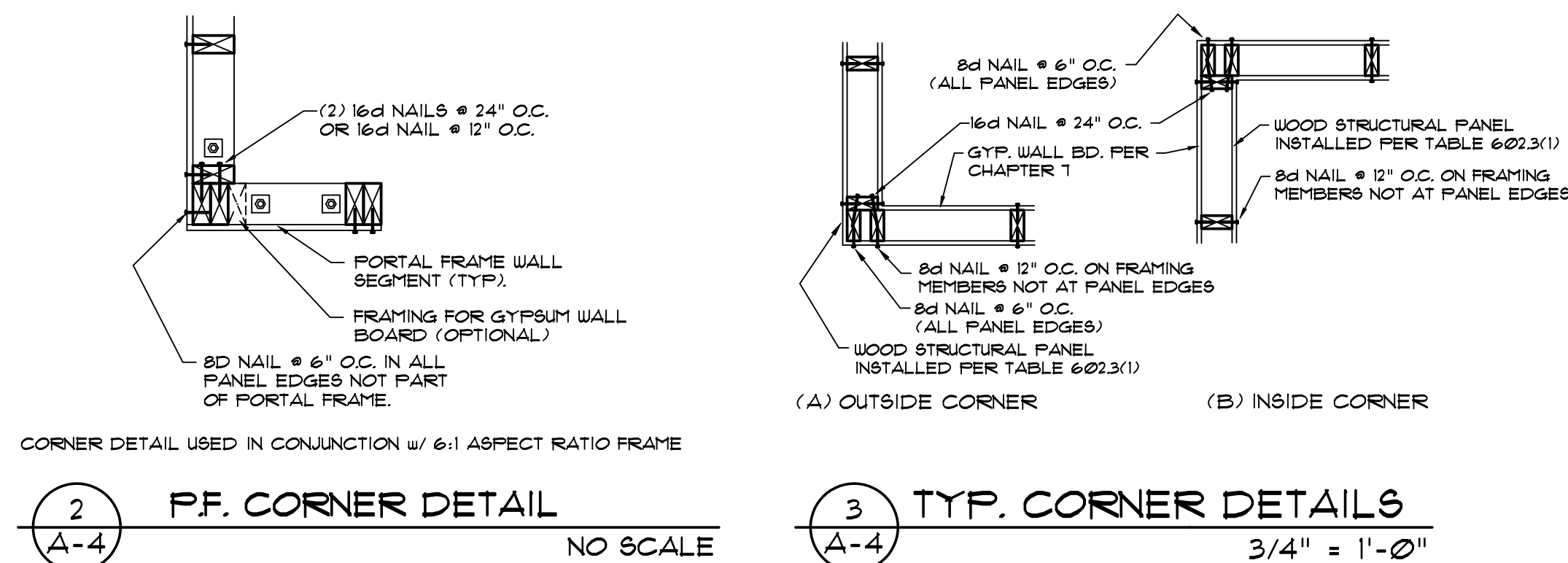
DATE 3-21-2023 JOB 2023-24
REV.
REV.
REV.
SHEET
A-3
3 of 4 SHEETS



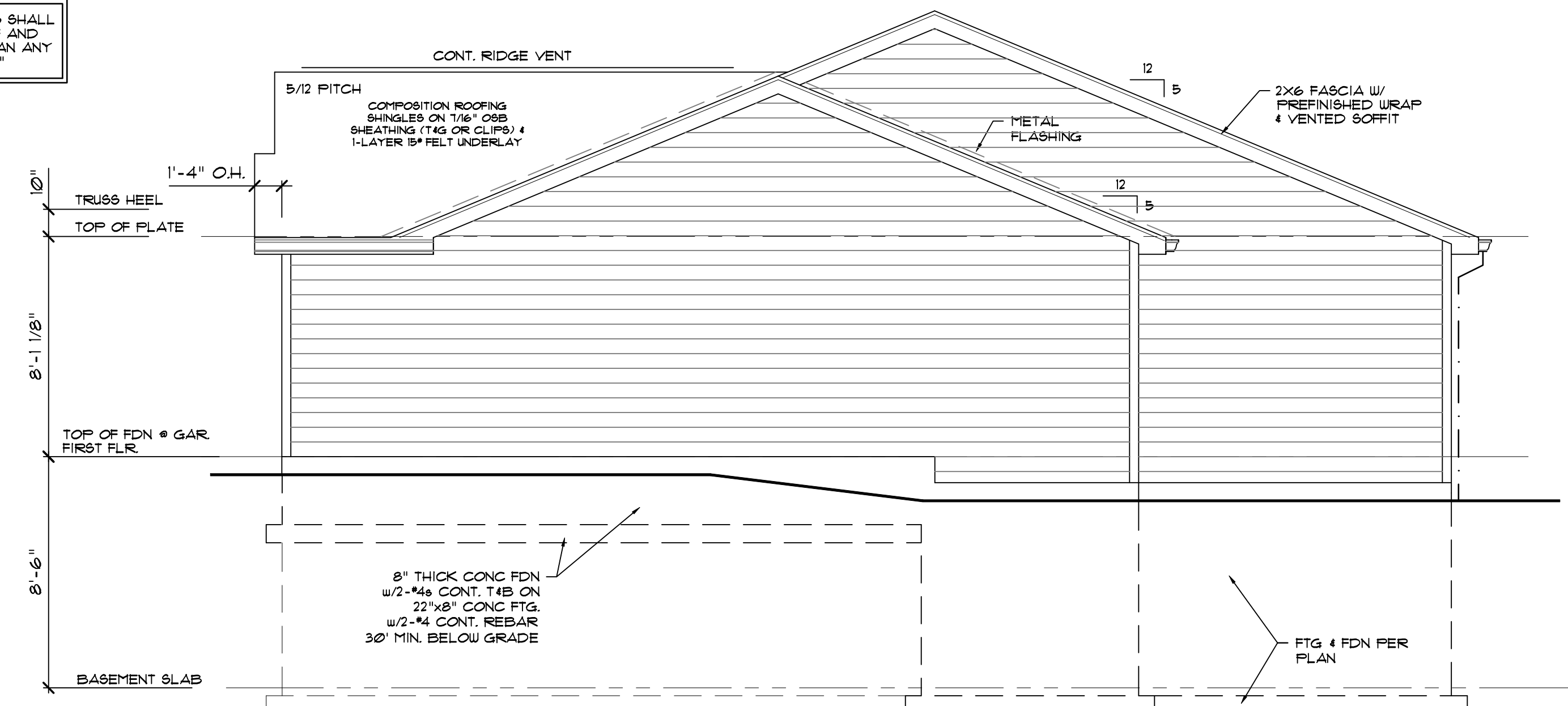
1
A-4

NARROW WALL BRACING METHOD WITHOUT HOLD-DOWNS

3/8" = 1'-0"

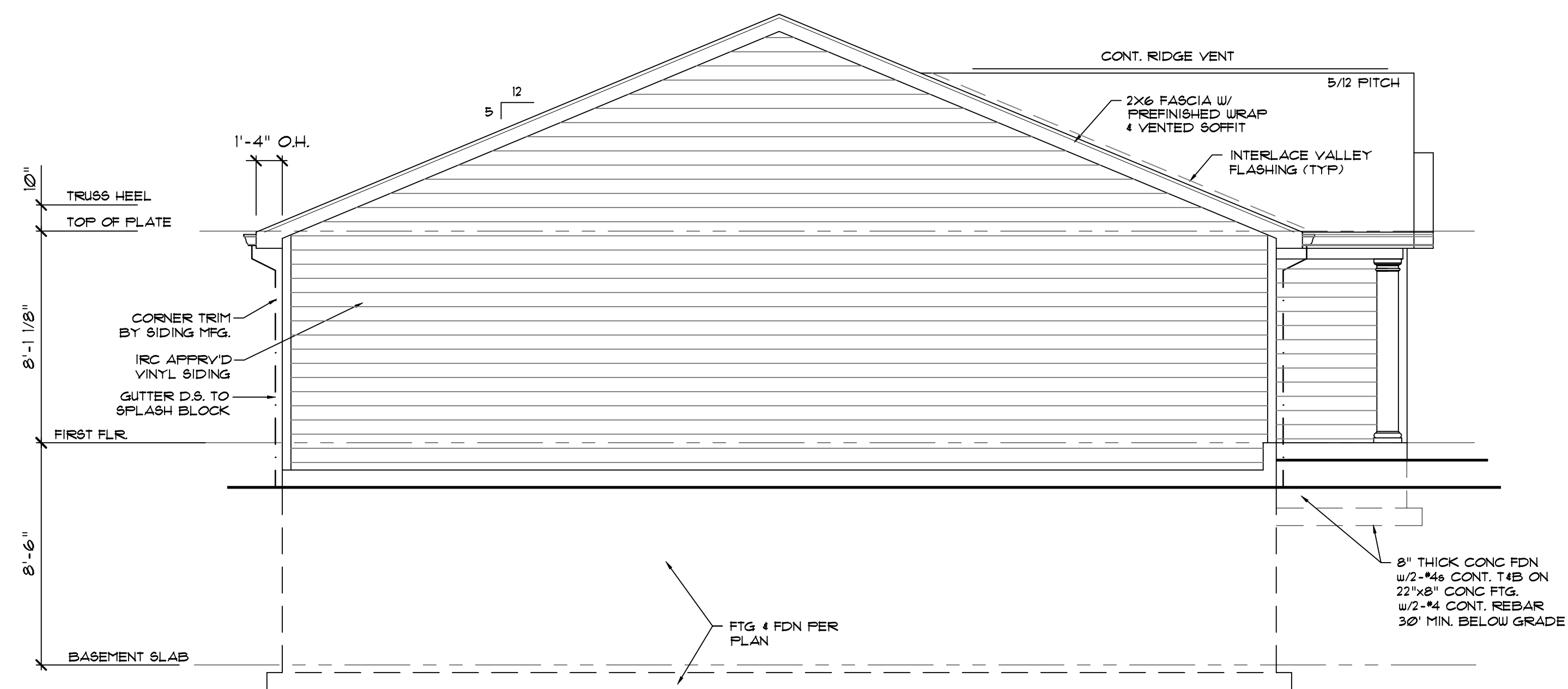


NOTE: FURNACE AND FIREPLACE FLUES SHALL
EXTEND 3'-0" ABOVE THE ROOF AND
AND AT LEAST 2'-0" HIGHER THAN ANY
PART OF THE ROOF WITHIN 10'-0"



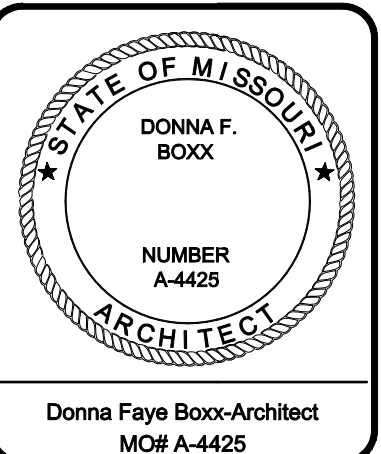
RIGHT SIDE ELEVATION

1/4" = 1'-0"



LEFT SIDE ELEVATION

1/4" = 1'-0"



DONNA F. BOXX, Architect, P.C.
160 Marine Lane
St. Louis, Missouri 63146
(314) 434-2333
FAX (314) 434-2203
www.boxxarchitect.com

PROPOSED NEW RESIDENCES FOR:
Habitat for Humanity
of St. Charles County
2041 TRADE CENTER DRIVE
ST. PETERS, MISSOURI 63376

LEFT AND RIGHT SIDE ELEVATIONS
NARROW WALL BRACING DETAILS
5 EASTVIEW DRIVE
ST. CHARLES, MO 63303