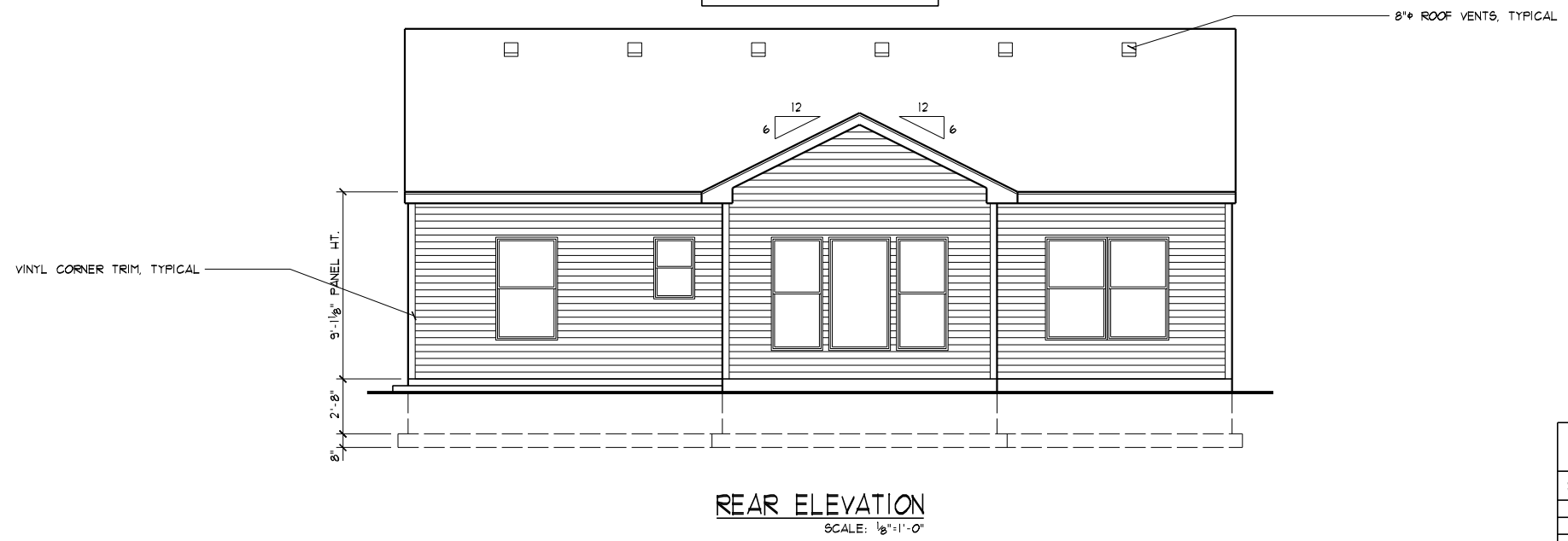


FRONT ELEVATION
SCALE: 1/8"=1'-0"

LOW "E" WINDOWS



REAR ELEVATION
SCALE: 1/8"=1'-0"

THE PLANS HAVE BEEN DRAWN TO THE 2013 RESIDENTIAL CODE OF OHIO & THE OHIO HOME BUILDERS ASSOCIATION (OHBA) ALTERNATIVE ENERGY CODE OPTION, COMPLIANCE PATH #1.

EXTERIOR SHEATHING SHALL BE FASTENED TO THE WOOD FRAMING USING ONE OF THE FOLLOWING THREE METHODS:
 6d COMMON (2"x0.113") NAILS, SPACING SHALL BE 6" ON THE SHEATHING EDGES & 12" ON THE INTERMEDIATE SUPPORTS.
 15 GAUGE (1 3/4") STAPLES, SPACING SHALL BE 4" ON THE SHEATHING EDGES & 8" ON THE INTERMEDIATE SUPPORTS.
 16 GAUGE (1 3/4") STAPLES, SPACING SHALL BE 3" ON THE SHEATHING EDGES & 6" ON THE INTERMEDIATE SUPPORTS.
 - PER 2013 RCO TABLES R602.3(1) & R602.3(2) -

SHEET INDEX	
SHEET #	DESCRIPTION
A1	FRONT & REAR ELEVATIONS
A2	LEFT & RIGHT SIDE ELEVATIONS
A3	FOUNDATION PLAN
A4	FIRST FLOOR PLAN
A5	DETAILS
A6	SECTIONS, GENERAL NOTES, "U" VALUES
A7	GARAGE PORTAL OPENING DETAILS
B1	LIGHTING LAYOUT
ATTACHED	SITE PLAN & ZONING CERTIFICATE

DATE: 07/10/17
 REV.:
 DRAWN BY: S.W.R.

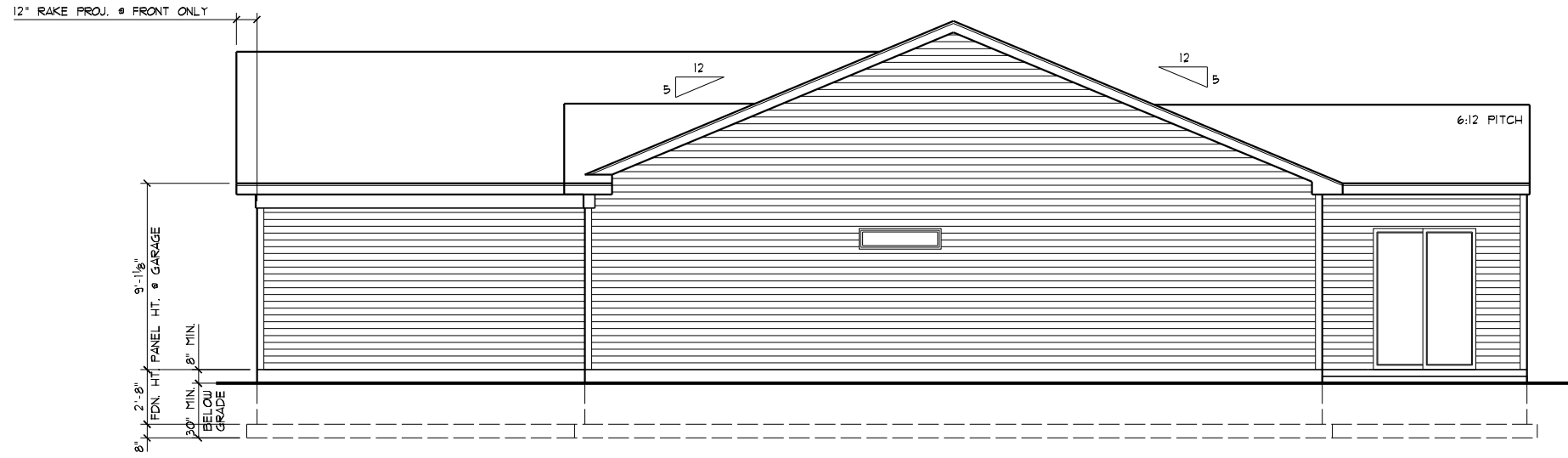
SCALE: 1/8"=1'-0"
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 Fairfield, Ohio 45014
 Phone: (513) 838-0035
 SuperiorDesigns@usa.net
 Simply better home plans
 JOB #: HV148

PROPOSED RESIDENCE FOR:
CHRISTOPHER GREGORY
 3131 Yellowtail Terrace
 Morrow, OH 45152
 Hopewell Valley, Lot# 148
 Elevation J - Slab

Potterhill Homes
 5400 Dupont Circle, Suite J
 Milford, Ohio 45150
 513-575-1506

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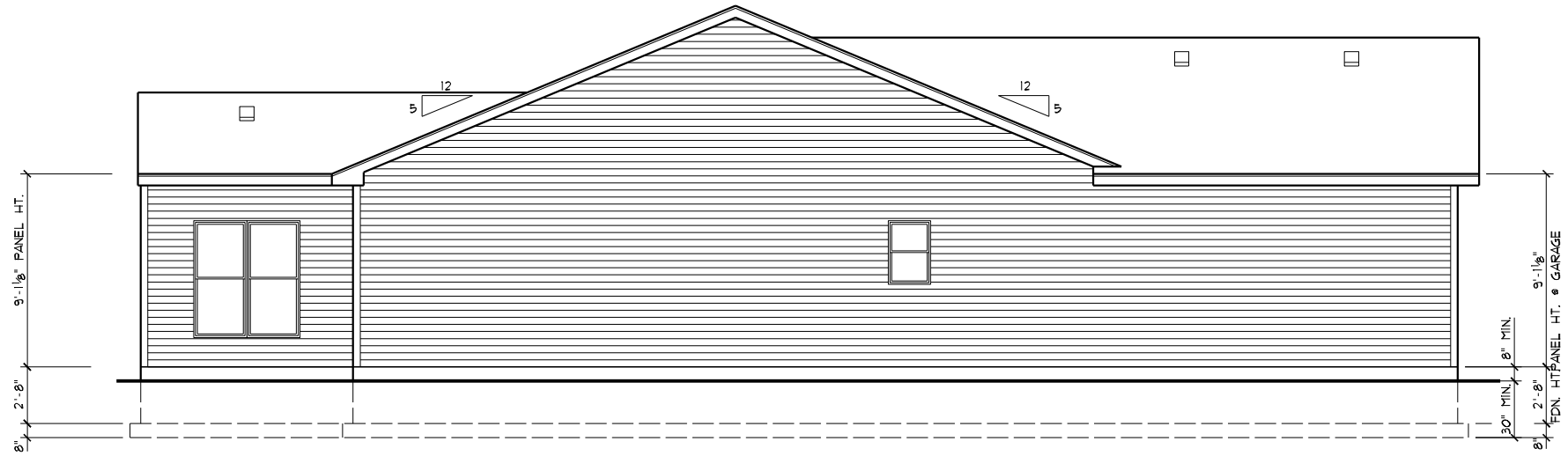
A1



RIGHT SIDE ELEVATION
SCALE: 1/8"=1'-0"

FOR TYPICAL NOTES & DIMENSIONS
ON ELEVATIONS REFER TO SHEET A1.

LOW "E" WINDOWS



LEFT SIDE ELEVATION
SCALE: 1/8"=1'-0"

DATE: 07/10/17

REV.:

DRAWN BY: S.W.R.

SCALE: 1/8"=1'-0"

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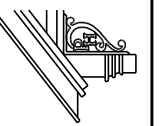


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3131 Yellowtail Terrace
Morrow, OH 45152
Hopewell Valley, Lot# 148

Elevation J - Slab

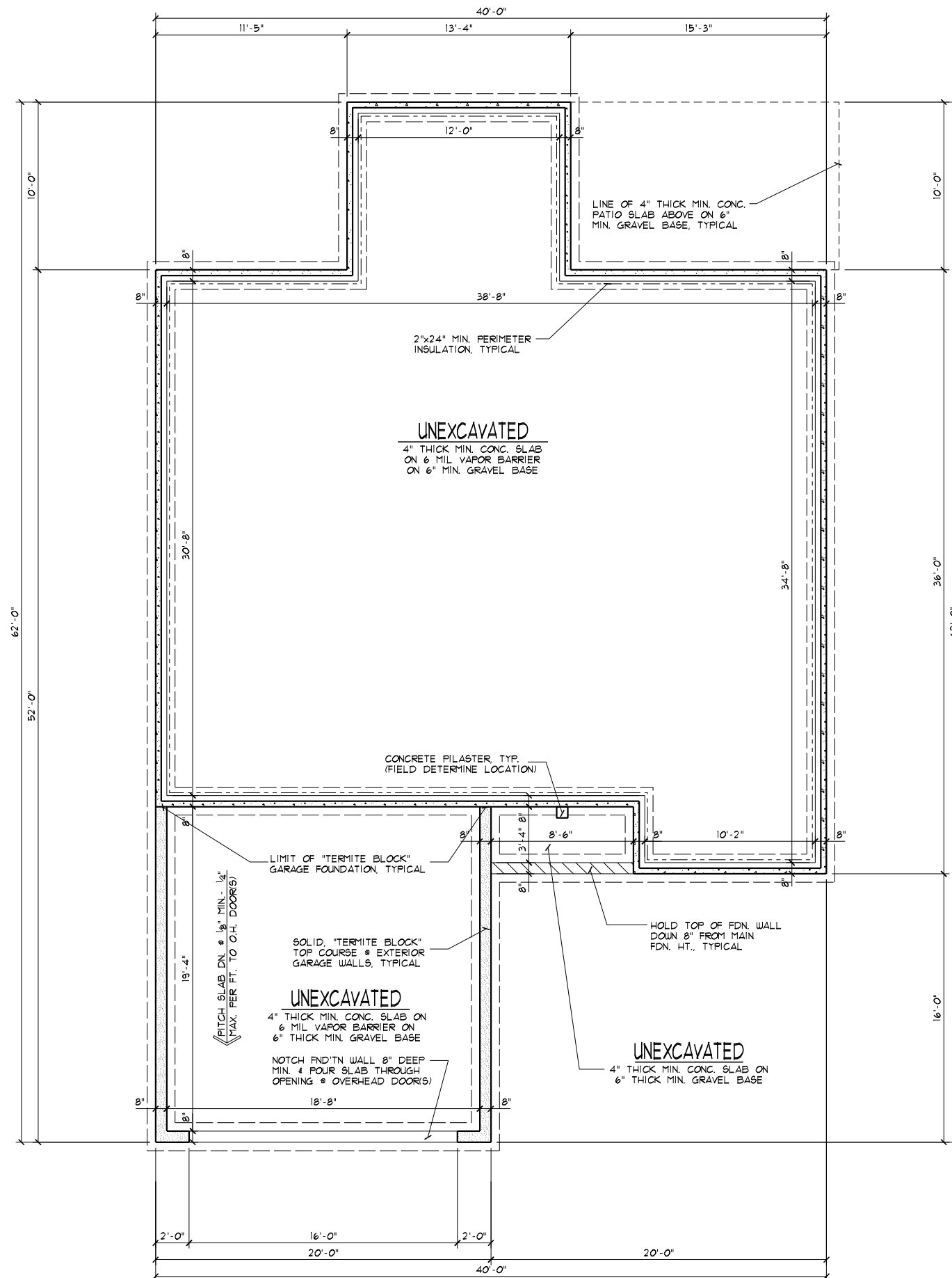
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A2



FOUNDATION GENERAL NOTES

1. PROVIDE CONTROL JOINT IN CONC. FLOOR SLABS
 • 30'-0" MAX. SPACING EACH WAY
 • 4 FND'TN OFFSETS EXCEEDING 10'-0".
2. ANY WOOD WHICH CONTACTS CONCRETE TO BE PRESSURE TREATED MATERIAL.

FOUNDATION PLAN

SCALE: 1/8"=1'-0"

- 1,402# MAIN SLAB
- 312# GARAGE SLAB
- 34# PORCH SLAB
- 172'-0" MAIN WALLS
- 60'-0" GARAGE WALLS
- 8'-6" PORCH WALLS
- 245'-0" FOOTERS

DATE: 07/10/17

REV.:

DRAWN BY: S.W.R.

SCALE: 1/8"=1'-0"

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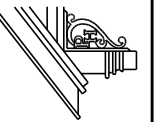


JOB #: HT148

PROPOSED RESIDENCE FOR:
CHRISTOPHER GREGORY
 3131 Yellowtail Terrace
 Morrow, OH 45152
 Hopewell Valley, Lot# 148

Elevation J - Slab

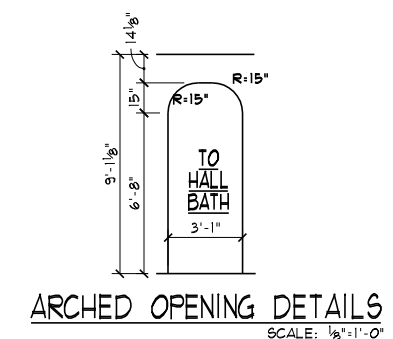
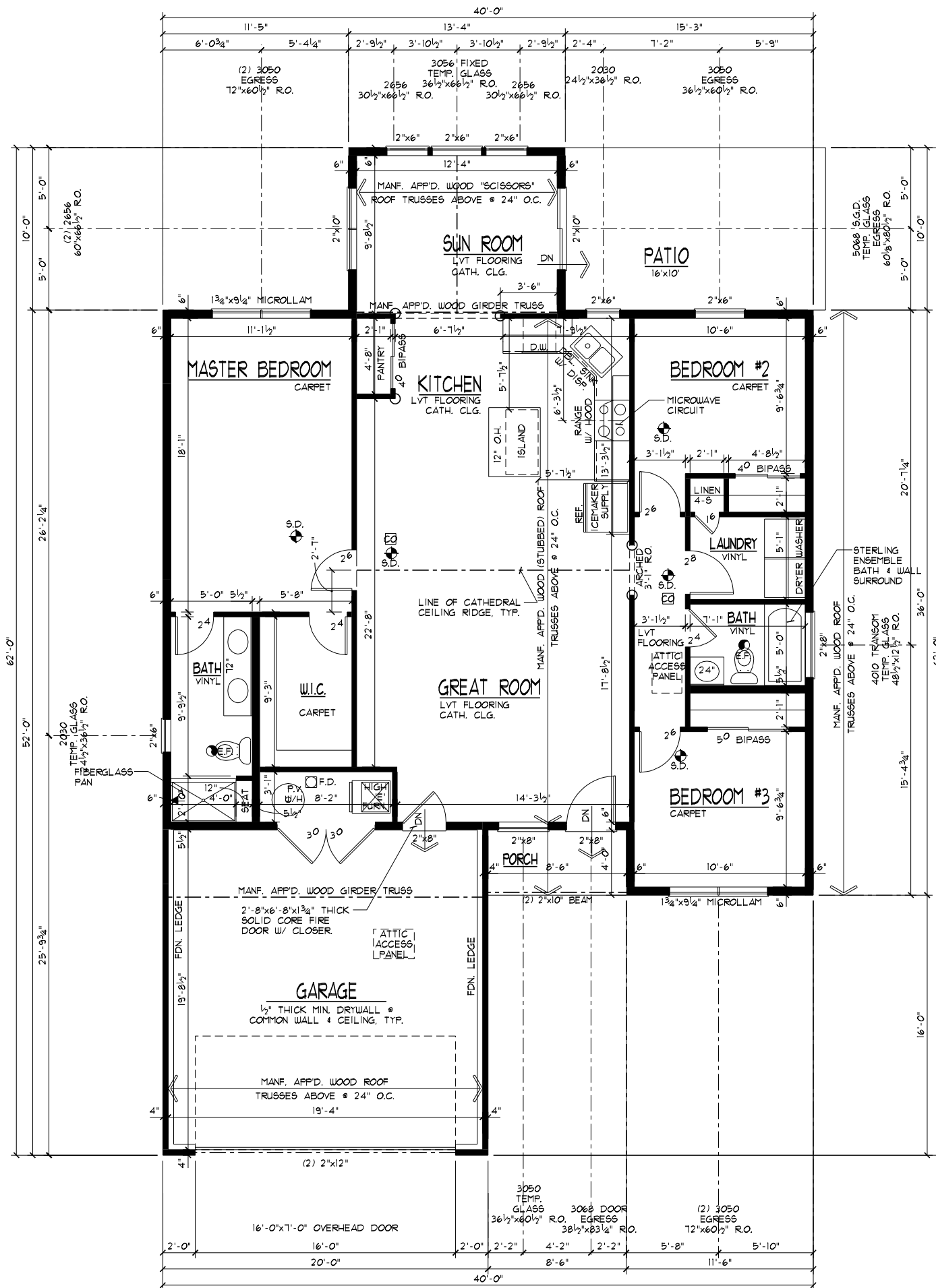
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A3



- ### FLOOR PLAN GENERAL NOTES
- S.D. = 110V SMOKE ALARMS UTILIZING PHOTOELECTRIC TO BE LOCATED OUTSIDE OF BEDROOMS & IONIZATION TECHNOLOGIES (SEPARATE OR DUAL-SENSING) TO BE LOCATED INSIDE OF BEDROOMS INTERCONNECTED W/ BATTERY BACKUP.
 - ROUGH FRAME HEADER HT. @ EXT. WDW'S & DOORS TO BE 6'-10 3/8" (6'-11 1/4" @ DOORS W/ TILE OR HDWD. FLOORS). HEADER HT. @ INTERIOR DOORS & OPENINGS TO BE 6'-11", U.N.O.
 - ATTIC ACCESS PANEL TO BE APP'D. 22"x30" MIN. ROOF FRAMER TO PROVIDE ACCESS TO ALL OVER-FRAMED ROOF AREAS FOR PROPER ATTIC VENTILATION & INSULATION.
 - ALL TRUSS SPAN INDICATORS & GIRDER TRUSS LOCATIONS NOT SHOWN FOR PLAN CLARITY. TRUSSES TO BE DESIGNED FOR 24" O.C. W/ MINIMUM 175LB. UPLIFT FASTENERS. REFER TO TRUSS MANF. LAYOUT FOR SPANS & GIRDER TRUSS LOCATIONS. BEARING POINT REQUIREMENTS FOR GIRDER ARE TYPICALLY (1) STUD FOR EACH 'PLY'. IF SPECIAL CONDITIONS EXIST TRUSS MANF. TO CALL OUT BEARING REQUIREMENT ON TRUSS FRAMING LAYOUT.
 - HEADERS/BEAMS NOTED ON PLAN TO HAVE MIN. OF 3 1/2"x1 1/2" SOLID WOOD BEARING TO TOP OF FOUNDATION OR BASEMENT BEAM @ EACH END, UNLESS NOTED OTHERWISE.
 - PROVIDE 36" MIN. CLEAR AISLE @ ALL CABINETS, ISLANDS, & PENINSULAS.
 - HALF-WALLS TO BE 36" HIGH (45 1/2" @ KITCHENS) W/ WOOD CAP UNLESS NOTED OTHERWISE.
 - EGRESS REQUIREMENTS: HEIGHT = 24" MIN. WIDTH = 20" MIN. AREA = 5.71. SILL = 44" MAX. Uo = 0.35 MAX.
 - ALL WALLS TO BE GLUED TO SLAB.
 - CO = CARBON MONOXIDE ALARM COMPLYING W/ U.L. 2034 SHALL BE INSTALLED OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS.
 - PROGRAMMABLE TYPE THERMOSTAT TO BE INSTALLED.

CEILING HTS. ARE 9'-1 1/8", U.N.O.

FIRST FLOOR PLAN
 1,459 sq ft SCALE: 1/8"=1'-0"

DATE: 07/10/17
 REV.:
 DRAWN BY: S.W.R.
 SCALE: 1/8"=1'-0"

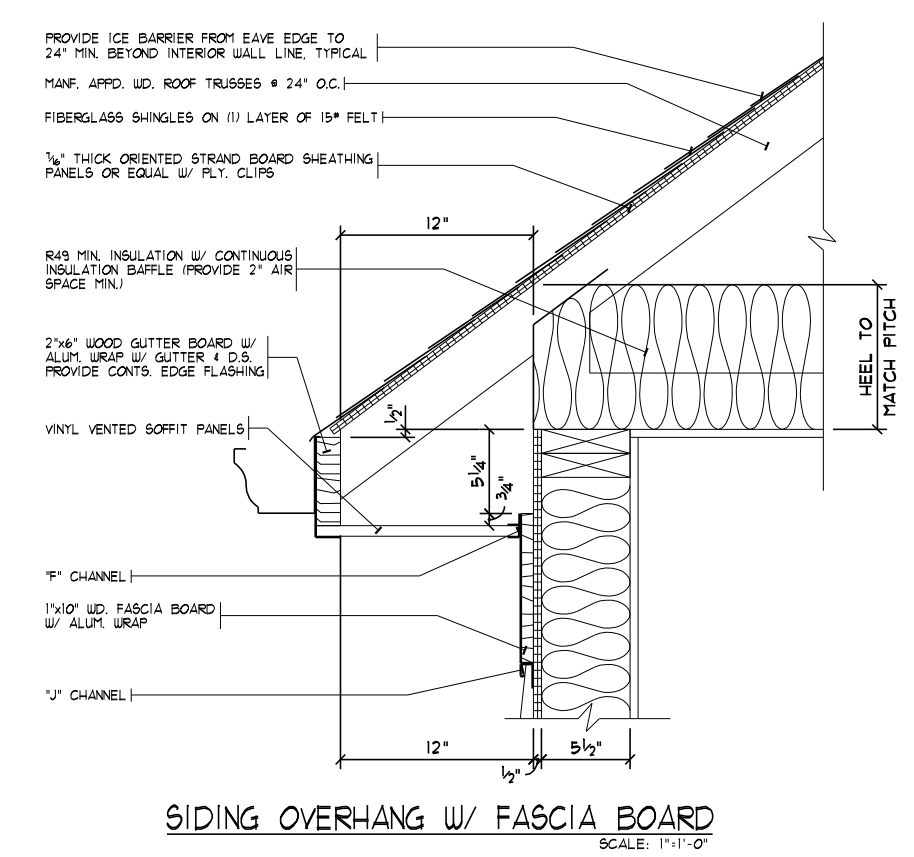
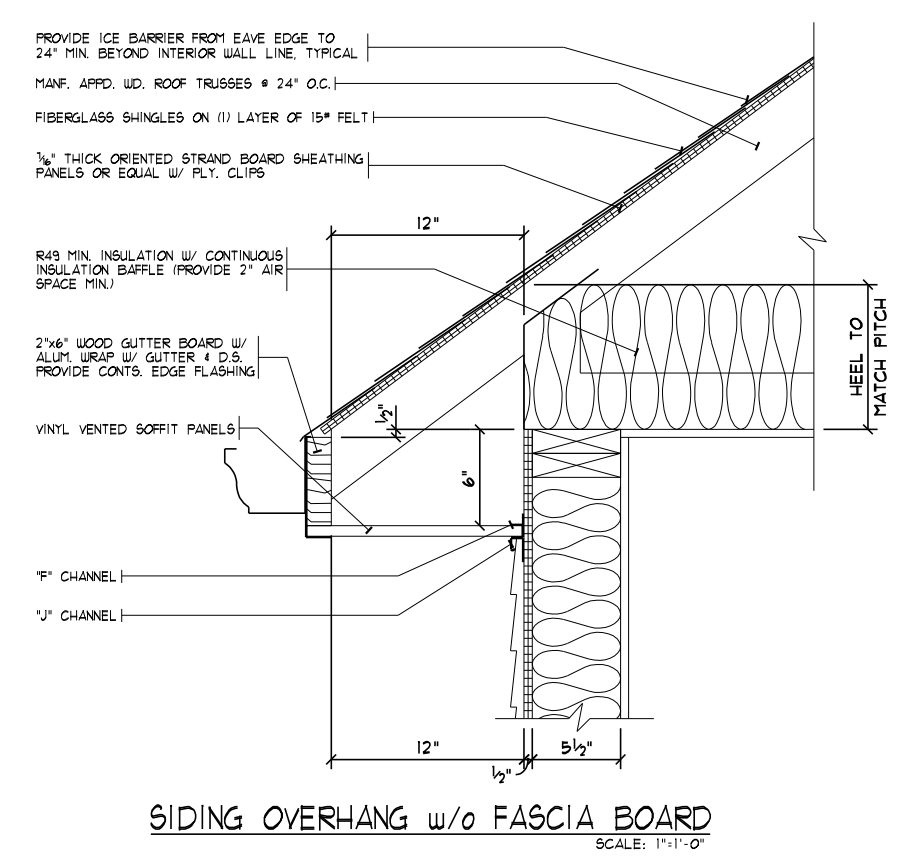
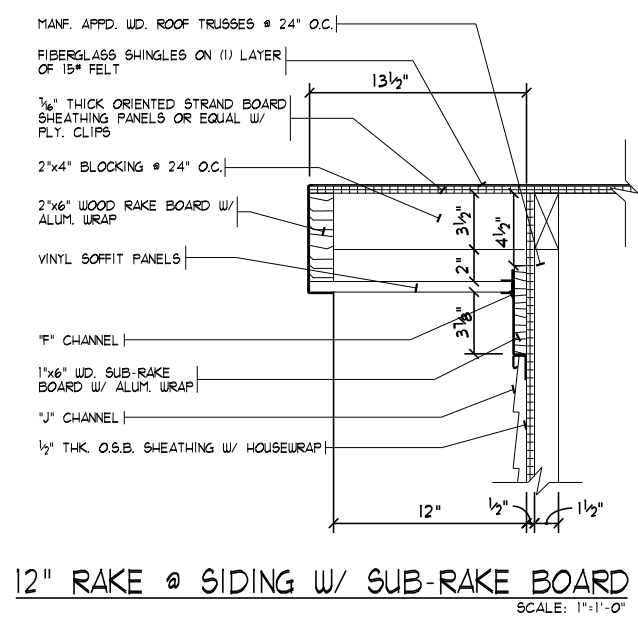
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PROPOSED RESIDENCE FOR:
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 3131 Yellowtail Terrace
 Morrow, OH 45152
 Hopewell Valley, Lot# 148
 Elevation J - Slab

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A4

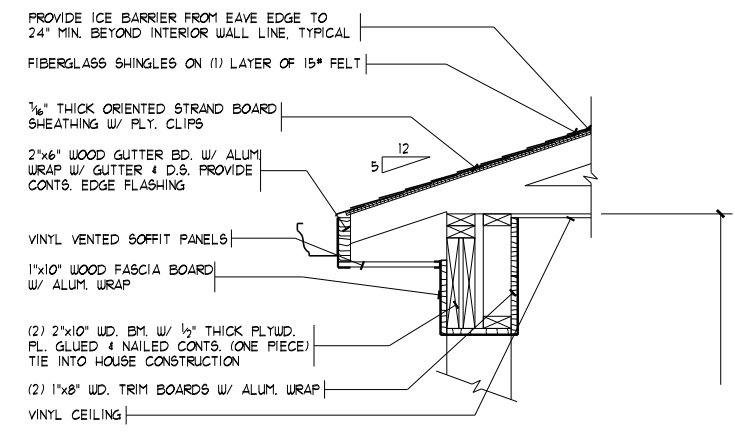


STUD CHART						SPF - STUD GRADE			
Stud Size	Section Modulus	Fiber Stress 675 (15%+60%)	Modulus of Elasticity	Max. Moment	Moment of Inertia	Max. hgt. (ft) 8" O.C.	Max. hgt. (ft) 12" O.C.	Max. hgt. (ft) 16" O.C.	Max. hgt. (ft) 24" O.C.
2x4	3.063	1181	1,200,000	3617	5.359	11	10	10	10
(2) 2x4	6.126	1181	1,200,000	7235	10.718	14	12	11	10
2x6	7.563	1181	1,200,000	8932	20.797	17	15	14	12
(2) 2x6	15.126	1181	1,200,000	17864	41.594	21	19	17	15
2x8	13.141	1181	1,200,000	15520	47.635	22	20	18	16
(2) 2x8	26.282	1181	1,200,000	31039	95.270	28	25	23	20

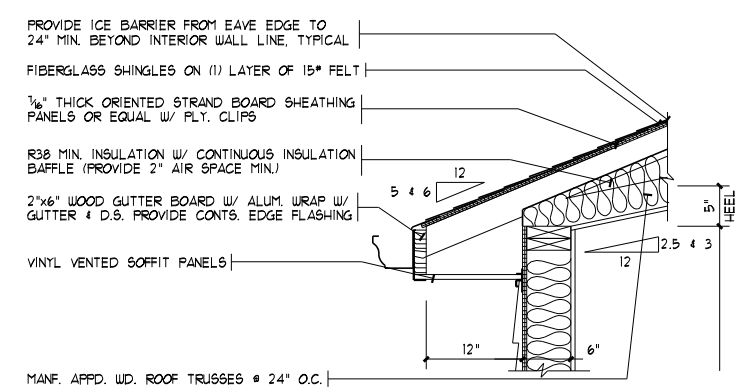
CALCULATIONS BASED ON 90 M.P.H. WIND LOADING. BENDING AND DEFLECTION BASED ON SPF - STUD GRADE

GENERAL NOTES

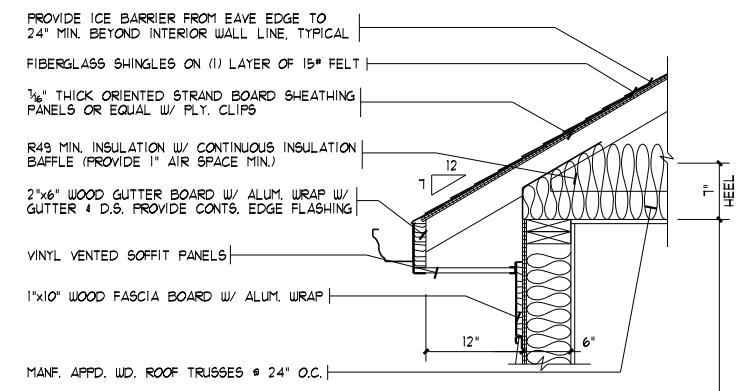
- DIMENSION NOTES: EXTERIOR DIMENSIONS TO FACE OF FOUNDATION. INTERIOR DIMENSIONS TO FACE OF STUDS. INTERIOR PARTITIONS 3/4" UNLESS NOTED OTHERWISE.
- WOOD LINTELS: (UNLESS NOTED OTHERWISE) 2"x4" STUD OPENINGS UP TO 3'-0", USE (2) 2"x8"s, OPENINGS UP TO 6'-0", USE (2) 2"x10"s, OPENINGS 6'-0" & LARGER, USE (2) 2"x12"s W/ 1/2" PLYWOOD PL. PROVIDE 3/4"x3" SOLID WOOD BEARING TO TOP OF FOUNDATION OR BASEMENT BEAM @ EACH END, TYPICAL.
- STEEL LINTELS: (UNLESS NOTED OTHERWISE) MASONRY OPENINGS UP TO 4'-0" USE 4"x3"x1/4" STL. ANGLE OPENINGS 4'-1" TO 15'-0" USE 6"x3"x3/8" STL. ANGLE. 16'-0" OPENINGS WITH 3'-0" OR LESS OF BRICK ABOVE USE 6"x3"x3/8" STL. ANGLE (LEAVE TEMPORARY SUPPORT IN THE CENTER FOR 28 DAYS). 16'-0" OPENINGS WITH MORE THAN 3'-0" OF BRICK ABOVE USE 7"x4"x3/8" STL. ANGLE (LEAVE TEMPORARY SUPPORT IN THE CENTER FOR 28 DAYS).
- CLOSETS: ALL CLOTHES CLOSETS TO HAVE (1) 12" SHELF, LINEN CLOSET/PANTRY: (4) 12" OR 16" SHELVES.
- VENTS: BATHROOM EXHAUST FANS (E.F.) & CLOTHES DRYER TO VENT TO EXTERIOR.
- WOOD ROOF/FLOOR TRUSSES: APPLICANT SHALL SUBMIT TRUSS DESIGN DATA, FABRICATOR TYPE, & MANUFACTURER'S SEALED DRAWING(S) W/ LAYOUT SHEET PRIOR TO FRAME INSPECTION FOR BUILDING DEPARTMENT APPROVAL. ALL ROOF OVERFRAMING TO BE CONSTRUCTED OF MANF. APPD. WOOD ROOF TRUSSES UNLESS NOTED OTHERWISE. TRUSSES NOT DESIGNED FOR STORAGE ABOVE, U.N.O.
- DESIGN LOADS: (LL) FLOOR LOAD = 40 PSF, STAIR = 20 PSF, ROOF = 20 PSF, DECK = 40 PSF, SNOW = 20 PSF, WIND = 90 MPH, GARAGE SLAB = 50 PSF. MAX. ASSUMED SOIL BEARING CAPACITY = 1500 PSF
- DEFLECTION LIMITS: MAXIMUM DEFLECTION LIMITS OF MEMBERS: FLOORS = L/360, WALLS = H/240, EXPOSED RAFTERS: GREATER THAN 3/12 PITCH = L/180, LESS THAN 3/12 PITCH = L/240.
- LUMBER GRADE: ALL FLOOR JOISTS SHALL BE OF #1 KD. SOUTHERN YELLOW PINE W/ Fb = 1730 PSI FOR 2"x8", Fb = 1500 PSI FOR 2"x10", & Fb = 1440 PSI FOR 2"x12" & E = 1,700,000. ALL STUDS TO BE OF STUD GRADE SPRUCE-PINE-FIR W/ Fb = 675 PSI & E = 1,200,000. LAMINATED WOOD BEAMS SHALL BE Fb = 2600 PSI & E = 1,900,000 FOR MICROLAM, Fb = 2900 PSI & E = 2,000,000 FOR PARALLAM, Fb = 1700 PSI & E = 1,300,000 FOR TIMBERSTRAND.
- TRUSS LUMBER GRADE: TOP & BOTTOM CHORDS SHALL BE OF MSR SPRUCE-PINE-FIR W/ Fb = 1650 PSI & E = 1,500,000 OR SELECT STRUCTURAL YELLOW PINE W/ Fb = 2850 PSI & E = 1,800,000 FOR 2"x4", MSR YELLOW PINE W/ Fb = 2400 PSI & E = 2,000,000 FOR 2"x6", MSR YELLOW PINE W/ Fb = 2250 PSI & E = 1,900,000 FOR 2"x8" & 2"x10". ALL WEB MEMBERS TO BE MINIMUM OF STUD GRADE SPRUCE-PINE-FIR W/ Fb = 675 & E = 1,200,000.
- SMOKE DETECTORS: INSTALLATION & LOCATION AS SHOWN ON FLOOR PLANS. FOLLOW ADDITIONAL LOCAL REQUIREMENTS.
- CONCRETE: FOOTINGS & INTERIOR FLOORS TO BE A MIN. OF 2500 PSI. WALLS TO BE A MIN. OF 3000 PSI. CONCRETE GARAGE SLABS & OTHER EXT. FLAT WORK SHALL BE A MIN. OF 4500 PSI. FOUND. WALLS, GAR. FLOORS & EXT. CONCRETE REQUIRE 5%-1% AIR ENTRAINMENT.
- WALL BRACING: EXTERIOR WOOD FRAME WALLS & GABLE ENDS SHALL BE BRACED W/ STRUCTURAL SHEATHING. ALL WALL SHEATHING BEAMS TO BE BACKED BY BLOCKING (EQUAL TO STUD SIZE).
- SIDE LOADED MULTIPLE MEMBER BEAMS: (UNLESS NOTED OTHERWISE) WOOD BEAMS OF THREE (3) MEMBERS OR MORE (E.G. (3) 2"x10"s) & WOOD BEAMS W/ STEEL PLATES SHALL BE BOLTED W/ 1/2" THRU BOLTS, W/ WASHERS ON BOTH SIDES, @ 16" O.C. STAGGERED THROUGH THE ENTIRE LENGTH OF THE BEAM.
- PRESSURE TREATED (P.T.) MATERIAL: ALL WOOD FRAMING MATERIAL IN DIRECT CONTACT W/ MASONRY WALLS &/OR CONC. FLOOR SLABS SHALL BE OF PRESSURE TREATED MATERIALS.
- STRUCTURAL COLUMNS: STRUCTURAL WALL & STEEL COLUMNS TO BE CONTINUOUS TO OR PROVIDE SOLID BLOCKING TO CONC. FNDTN WALL OR OTHER STRUCTURAL ELEMENTS BELOW.
- PREFAB FIREPLACES: BUILDING INSPECTOR SHALL BE PROVIDED MANUFACTURER'S INSTALLATION SPECIFICATIONS ON PREFAB FIREPLACE UNITS @ FRAMING INSPECTION.
- MASONRY VENEER: SHALL BE ATTACHED TO THE SUPPORTING WALL W/ CORROSION-RESISTANT METAL TIES. EACH TIE SHALL BE SPACED NOT MORE THAN 24" O.C. VERT. & 16" O.C. HORIZ. ADDITIONAL METAL TIES SHALL BE PROVIDED AROUND ALL WALL OPENINGS GREATER THAN 16" IN EITHER DIMENSION. METAL TIES AROUND THE PERIMETER OF OPENINGS SHALL BE SPACED A MAX. OF 36" O.C. & PLACED WITHIN 12" OF THE WALL OPENING. WEATHERFLASH @ 32" O.C. & PLASTIC TYPE FLASHING SHALL BE PROVIDED (INCLUDING SILLS & LINTELS). PROVIDE 1" MIN. AIR SPACE BETWEEN BRICK & SHEATHING & 3/4" MIN. CLEAR AIR SPACE @ TOP COURSE OF BRICK.
- TRUSSES SHALL BE CONNECTED TO WALL PLATES BY THE USE OF APPROVED CONNECTORS (42.5A) HAVING AN UPLIFT RESISTANCE OF NOT LESS THAN 175 LBS.



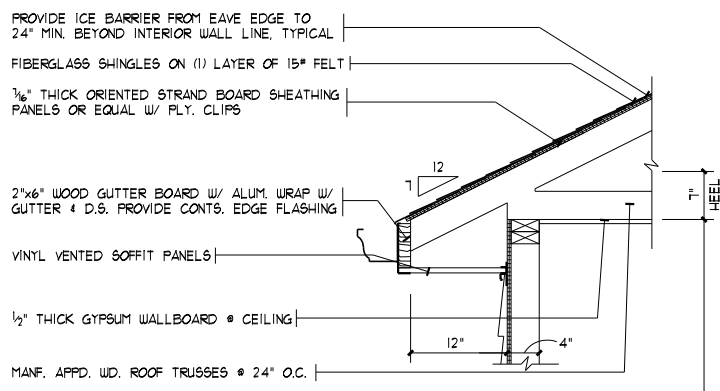
PORCH BEAM DETAIL
 SCALE: 1/2"=1'-0"



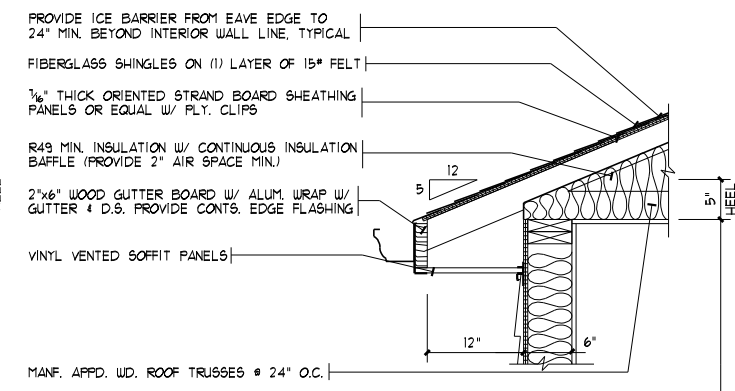
CORNICE DETAIL @ CATHEDRAL CEILINGS
 SCALE: 1/2"=1'-0"



WALL SECTION @ BEDROOM #3
 SCALE: 1/2"=1'-0"

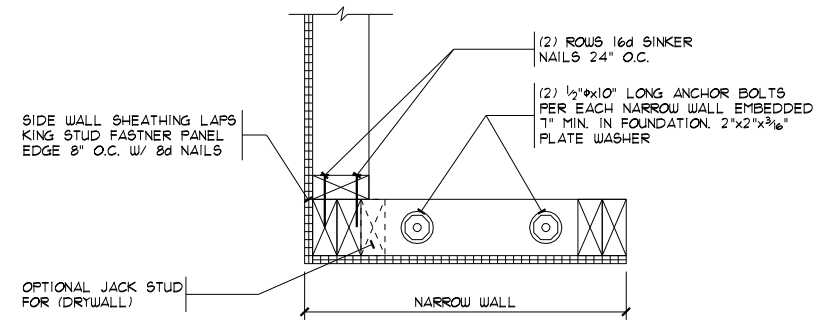


WALL SECTION @ GARAGE
 SCALE: 1/2"=1'-0"

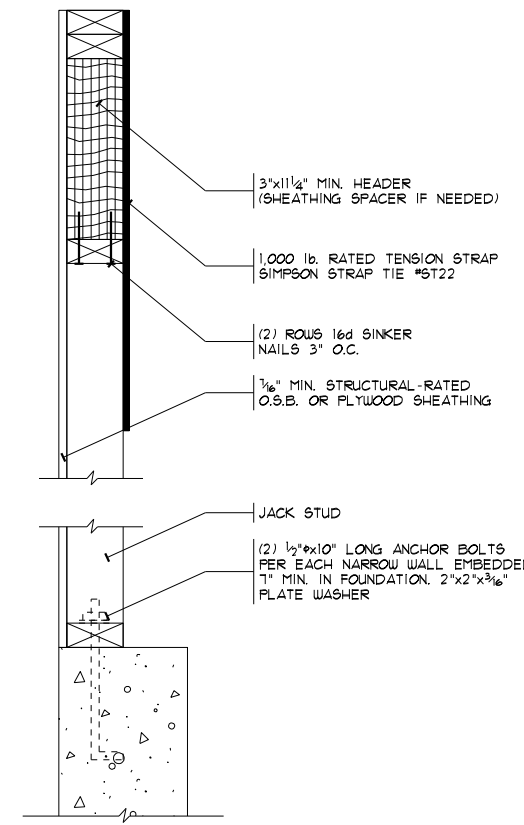


WALL SECTION @ MASTER BEDROOM
 SCALE: 1/2"=1'-0"

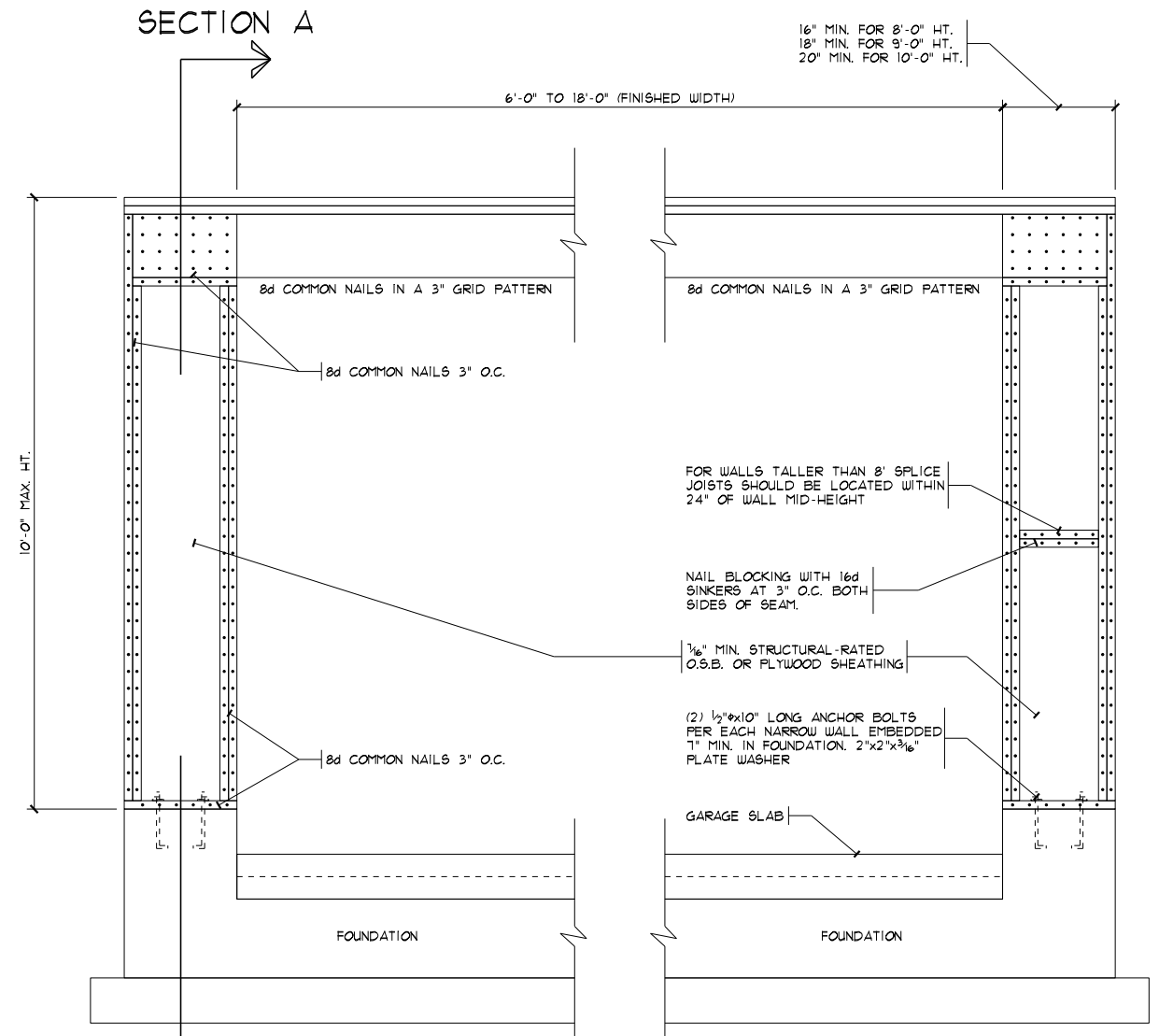
"U" VALUES @ ROOF		"U" VALUES @ WALLS		"U" VALUES @ FLOOR	
	R	(2"x6" FRAME)	R	(# HTD. SLAB)	R
IN/OUT AIRFILM	0.18	IN/OUT AIRFILM	0.85	IN/OUT AIRFILM	1.09
INSULATION	49.00	SIDING	1.00	PERIMETER INSULATION	10.00
1/2" DRYWALL	0.45	1/2" O.S.B. SHEATHING	0.62	TOTAL	11.09
TOTAL	50.23	5 1/2" NU-WOOL INSULATION	21.00	"U"-1/R: 1/11.09	= 0.090
"U"-1/R: 1/50.23	= 0.020	1/2" DRYWALL	0.45		
		TOTAL	23.92		
		"U"-1/R: 1/23.92	= 0.042		



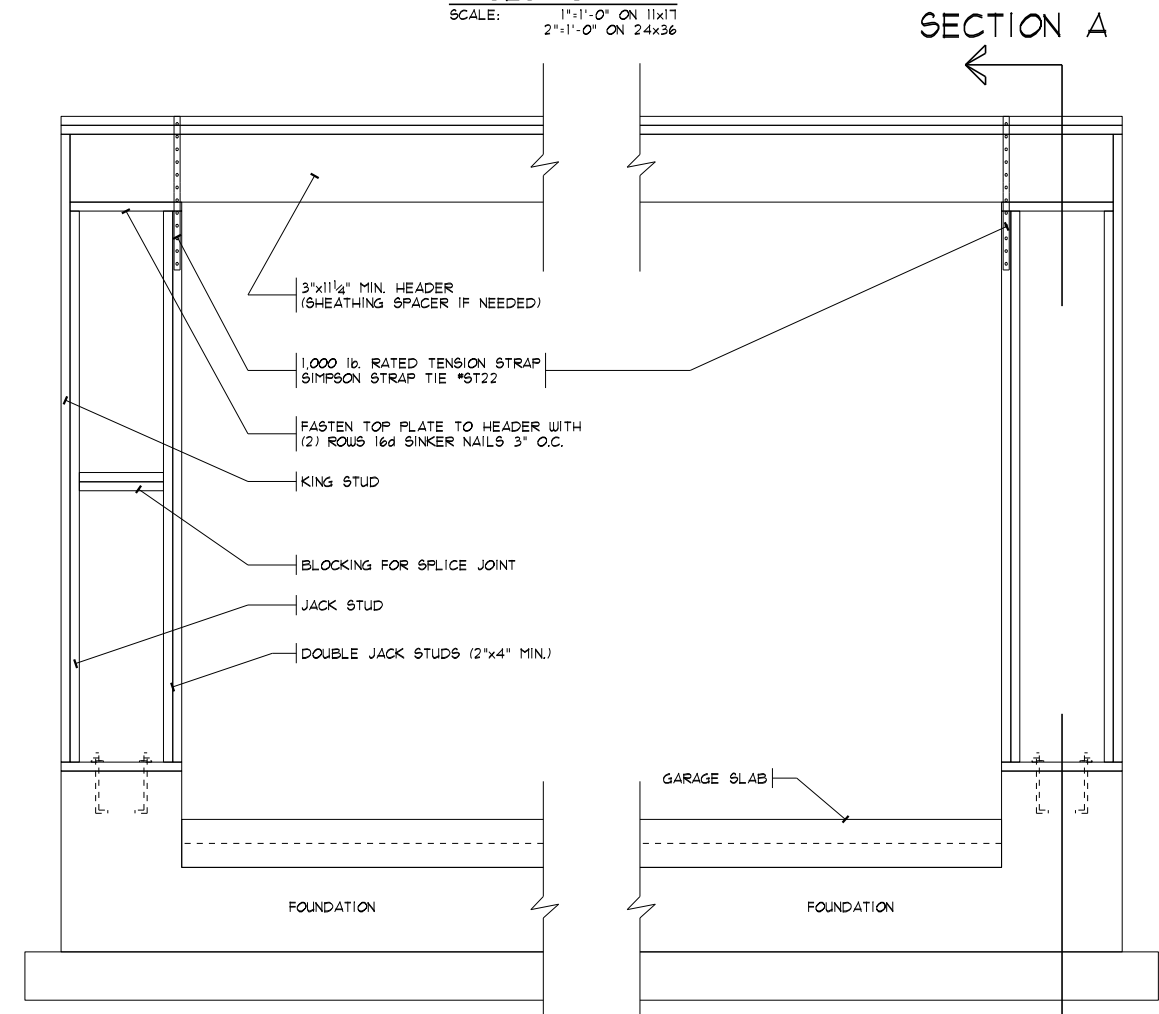
CORNER DETAIL-PLAN VIEW
 SCALE: 1"=1'-0" ON 11x17
 2"=1'-0" ON 24x36



SECTION A
 SCALE: 1"=1'-0" ON 11x17
 2"=1'-0" ON 24x36



OUTSIDE ELEVATION
 SCALE: 3/8"=1'-0" ON 11x17
 3/4"=1'-0" ON 24x36



INSIDE ELEVATION
 SCALE: 3/8"=1'-0" ON 11x17
 3/4"=1'-0" ON 24x36

SECTION A

SECTION A

DATE: 07/10/17

REV.:

DRAWN BY: S.W.R.

SCALE: 1/8"=1'-0"

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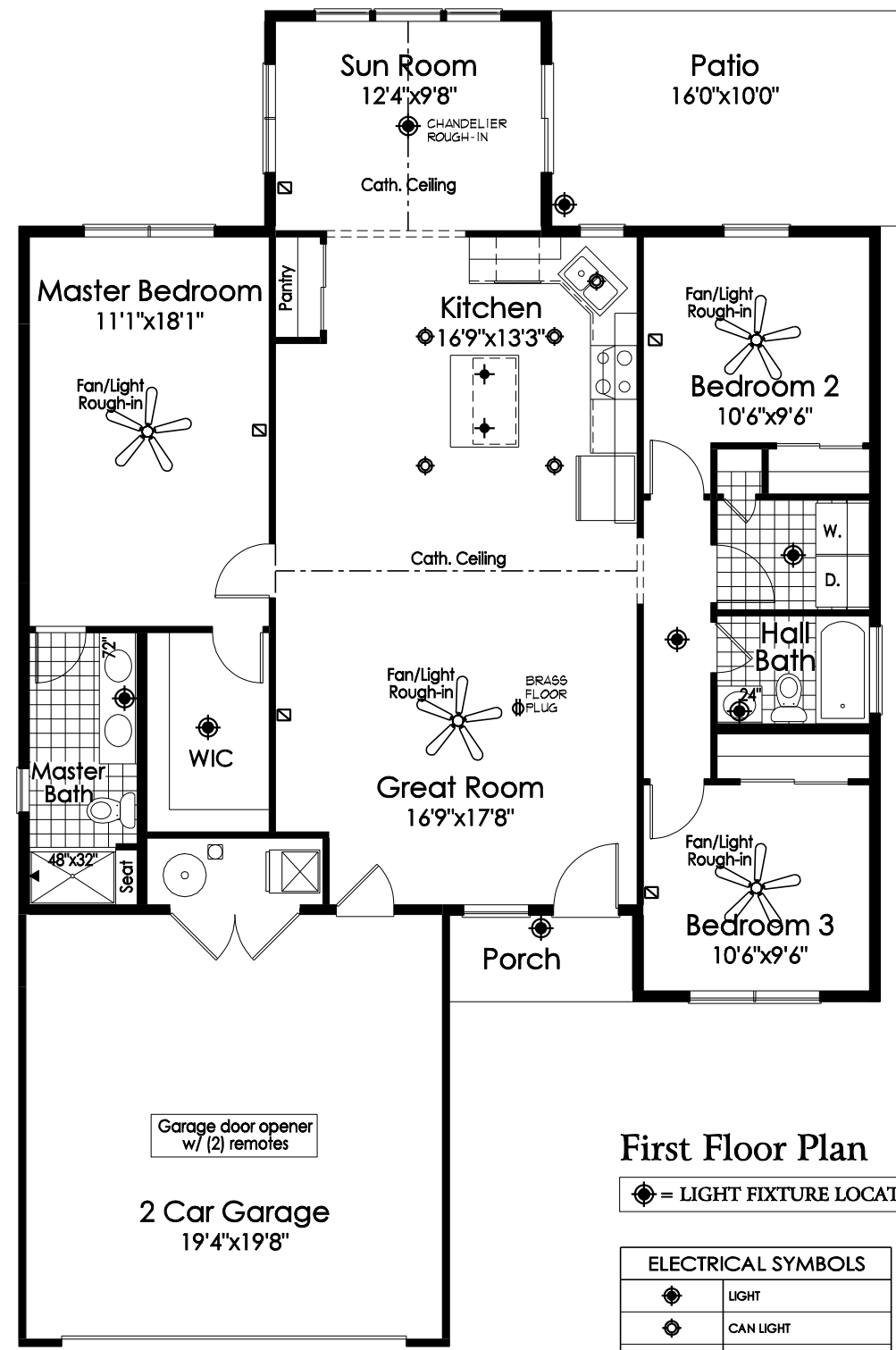
Elevation J - Slab

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B1



First Floor Plan

⊙ = LIGHT FIXTURE LOCATION

ELECTRICAL SYMBOLS	
⊙	LIGHT
⊕	CAN LIGHT
+	PENDANT LIGHT ROUGH-IN
~	UNDER CABINET LIGHT
⊕	STANDARD 110V OUTLET
◆	CATS JACK
◁	PHONE/FAX JACK
⊞	CABLE JACK