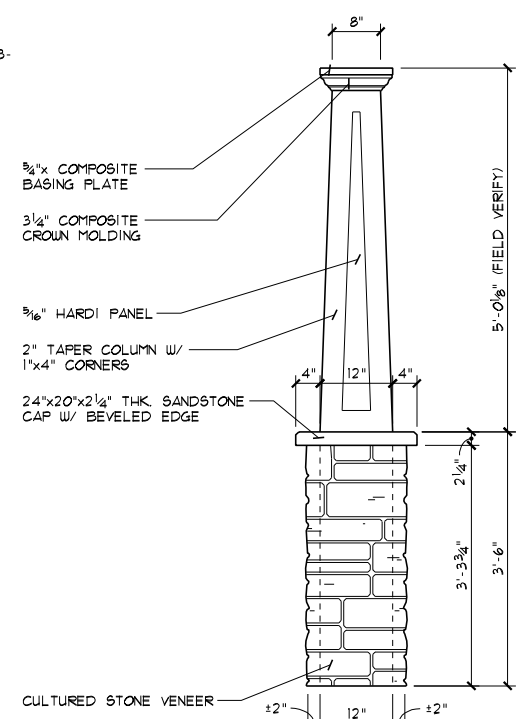


FRONT ELEVATION
 SCALE: 1/8"=1'-0"

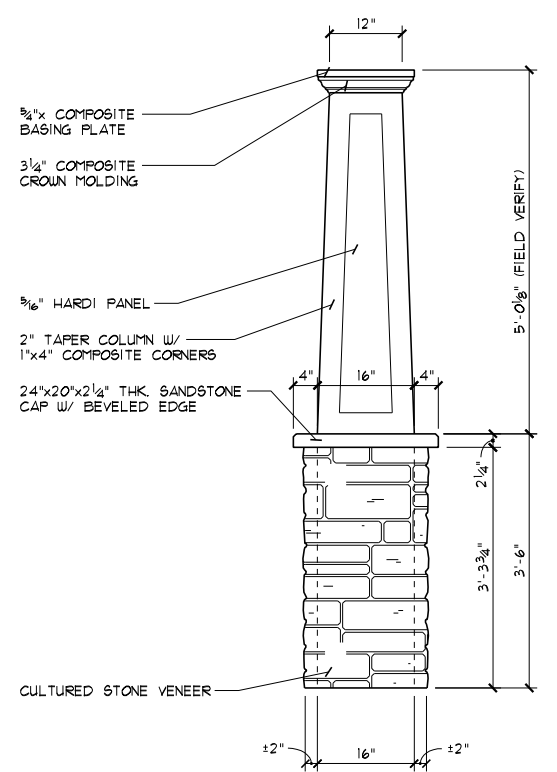
LOW "E" WINDOWS

DIMENSIONAL SHINGLES

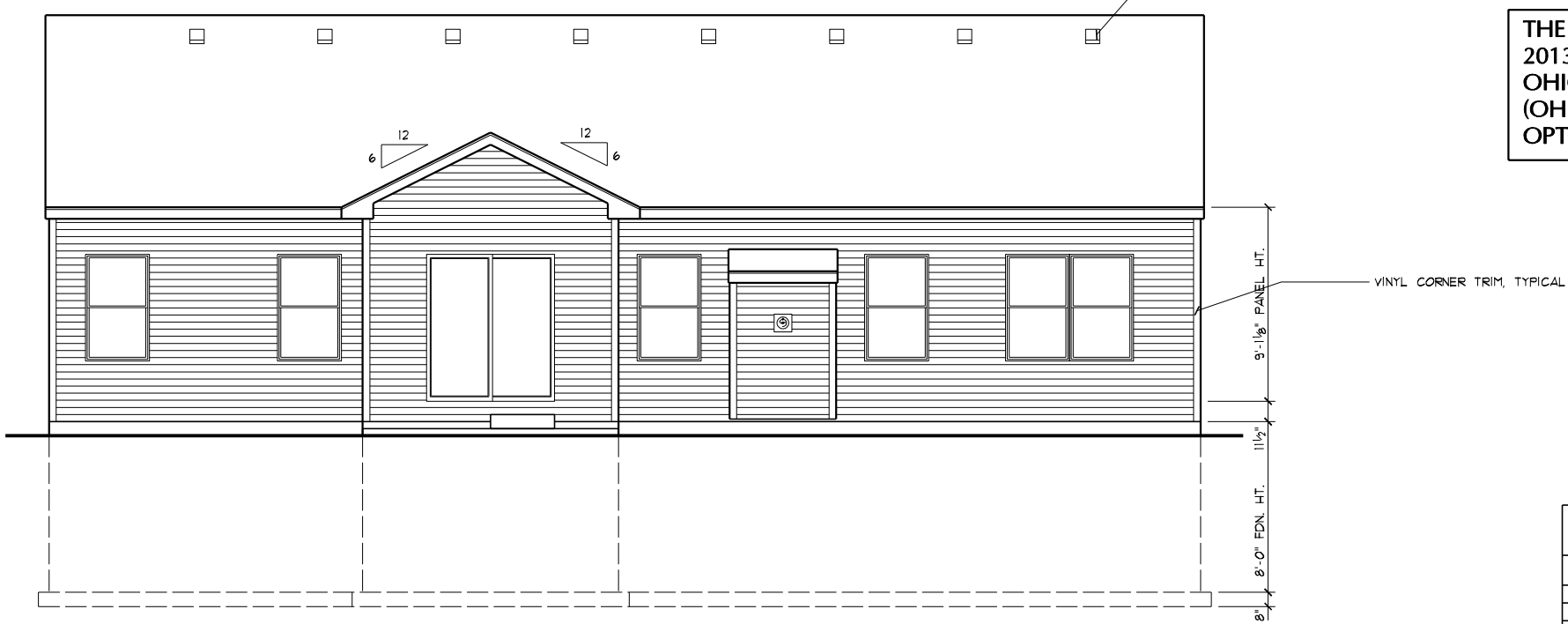
MAX GRADE SLOPE TO BE 3:1
 W/ TYPICAL GRADE TO SLOPE
 A MIN OF 6" IN THE FIRST
 10'-0" FROM HOUSE STRUCTURE.



TAPERED COLUMN DETAIL
 SCALE: 3/8"=1'-0"
 SIDE VIEW
 (REFER TO SECTION ON SHEET A2)



TAPERED COLUMN DETAIL
 SCALE: 3/8"=1'-0"
 FRONT VIEW
 (REFER TO SECTION ON SHEET A2)



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.**

(GS-WSP) METHOD OF WALL BRACING:
 ENTIRE EXTERIOR OF HOUSE TO BE
 CONTINUOUSLY SHEATHED WOOD O.S.B.
 STRUCTURAL PANELS INCLUDING GABLE ENDS

EXTERIOR SHEATHING SHALL BE FASTENED TO
 THE WOOD FRAMING USING ONE OF THE
 FOLLOWING TWO METHODS:

6d COMMON (2"x0.113") NAILS. SPACING SHALL BE
 6" ON THE SHEATHING EDGES & 12" ON THE
 INTERMEDIATE SUPPORTS.

8d COMMON (2.5"x0.131") NAILS. SPACING SHALL
 BE 6" ON THE SHEATHING EDGES & 12" ON
 THE INTERMEDIATE SUPPORTS.

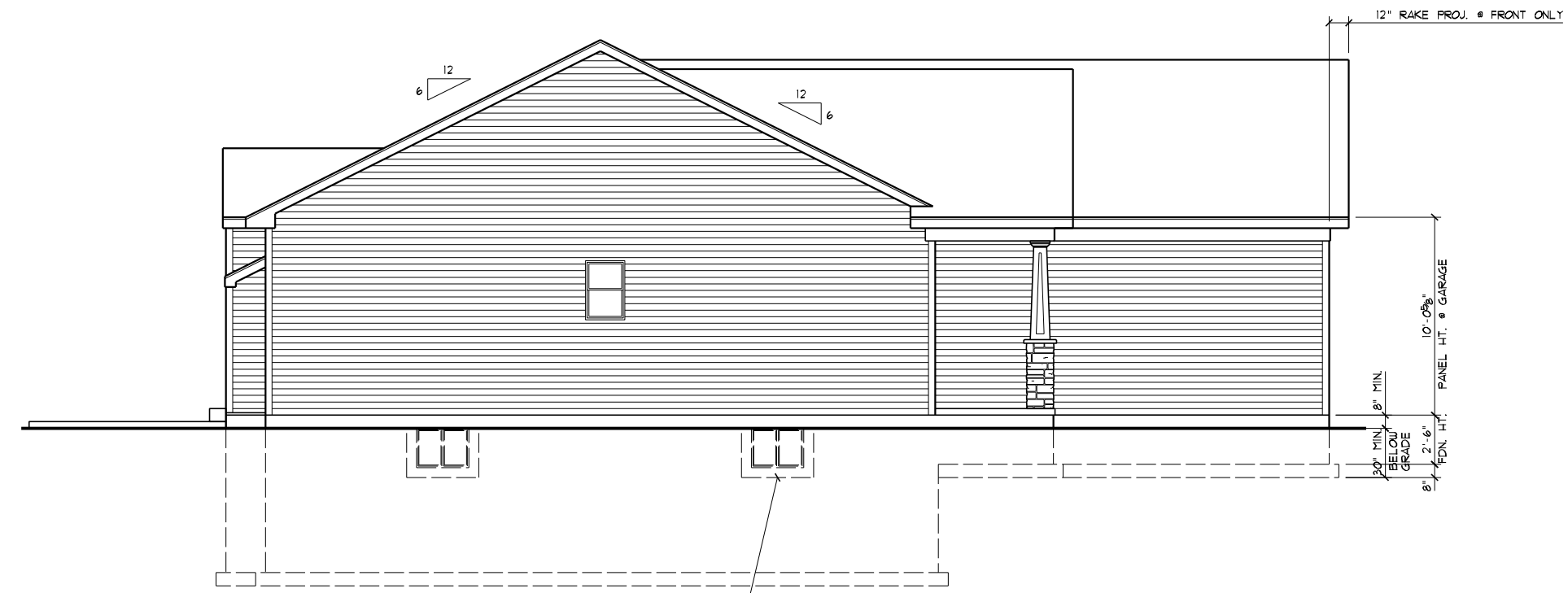
- PER 2013 RCO TABLES R602.3(1) & R602.3(2) -

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
S1	SUBFLOOR LAYOUT
B1	LIGHTING LAYOUT
M1	HVAC LAYOUT(S)
ATTACHED	SITE PLAN & ZONING CERTIFICATE

- PROVIDE ICE BARRIER FROM EAVE EDGE TO 24" MIN. BEYOND INTERIOR WALL LINE, TYPICAL
- FIBERGLASS SHINGLES ON (1) LAYER OF 15# FELT
- MANF. APPD. WD. TRUSSES @ 24" O.C.
- 3/8" THICK ORIENTED STRAND BOARD SHEATHING W/ PLY. CLIPS
- 2"x6" WOOD GUTTER BD. W/ ALUM. WRAP W/ GUTTER 4 D.S. PROVIDE CONTS. EDGE FLASHING
- VINYL VENTED SOFFIT PANELS
- 1"x10" WOOD FASCIA BOARD W/ ALUM. WRAP
- (2) 2"x10" WD. BM. W/ 1/2" THICK FLYWD. PL. GLUED 4 NAILED CONTS. (ONE PIECE) TIE INTO HOUSE CONSTRUCTION
- "SIMPSON" BC4 POST CAP NAILED TO POST 4 PORCH BEAM W/ 16d NAILS
- (2) 1"x8" TRIM BOARDS W/ ALUM. WRAP
- 2" TAPER COLUMN W/ 1"x4" CORNERS
- 24"x20"x2 1/4" THK. SANDSTONE CAP W/ BEVELED EDGE
- (2) 2"x4" STUD COLUMN
- CULTURED STONE VENEER
- 1/2" THK. O.S.B. SHEATHING
- "SIMPSON" ABA44 ANCHORED TO PORCH SLAB W/ 1/2"x10" LONG A.B.
- 3/4" TAPCON CONCRETE SCREWS ANCHORED TO PORCH SLAB
- 4" THICK MIN. CONC. PORCH SLAB ON 6" MIN. GRAVEL BASE BED
- 10" THICK POURED CONC. FND'TN WALL
- 8"x20" CONC. FTG. MIN. W/ CONTS. FTG. KEY

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

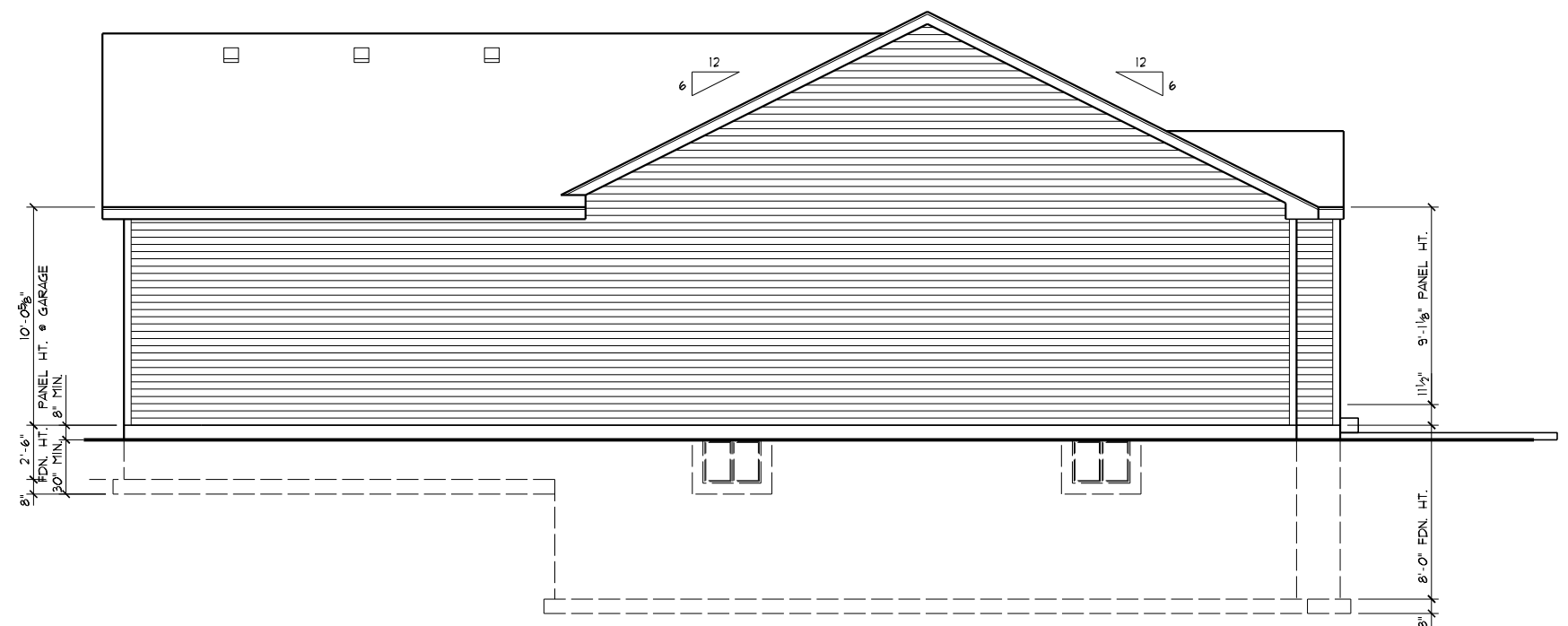


LEFT SIDE ELEVATION
SCALE: 1/8"=1'-0"

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

LOW "E" WINDOWS

DIMENSIONAL SHINGLES



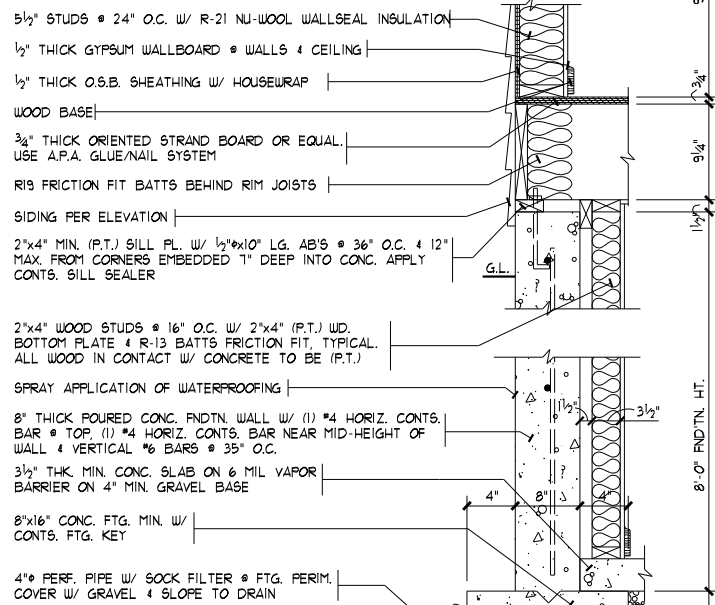
RIGHT SIDE ELEVATION
SCALE: 1/8"=1'-0"

DATE: 08/01/17
REV.: 08/08/17
DRAWN BY: S.W.R.
SCALE: 1/8"=1'-0"
Superior Designs
6152 Primrose Lane
Fairfield, Ohio 45014
Phone: (513) 968-0035
SuperiorDesigns@fuse.net
JOB #: HV183

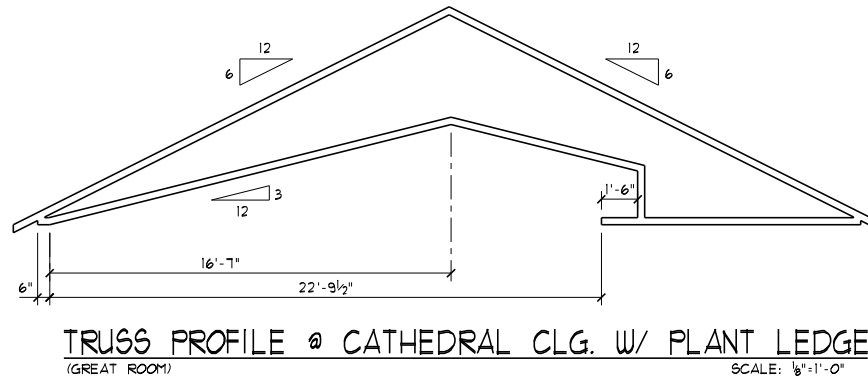
PROPOSED RESIDENCE FOR:
KURT & ROBIN DUBLER
#183 Morning Mist
Morrow, OH 45152
Hopewell Valley, Lot# 183
Elevation K - Basement

Potterhill Homes
5400 Dupont Circle, Suite J
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513-576-7506

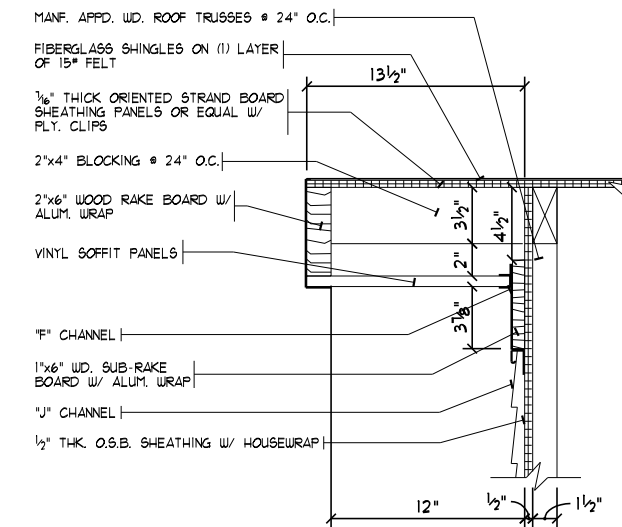
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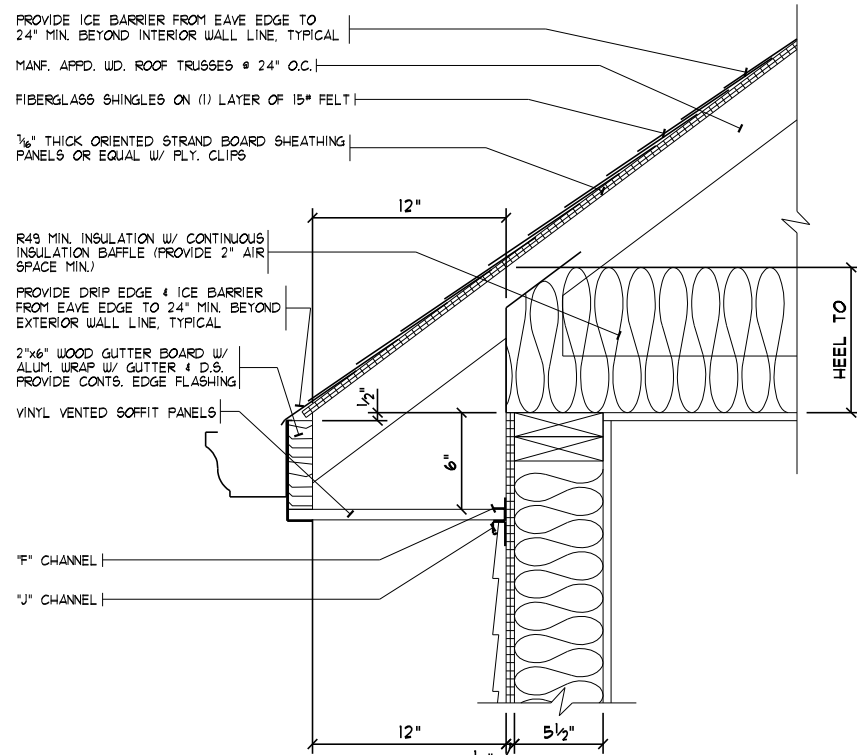
PARTIAL WALL SECTION @ RECREATION ROOM
SCALE: 1/2"=1'-0"



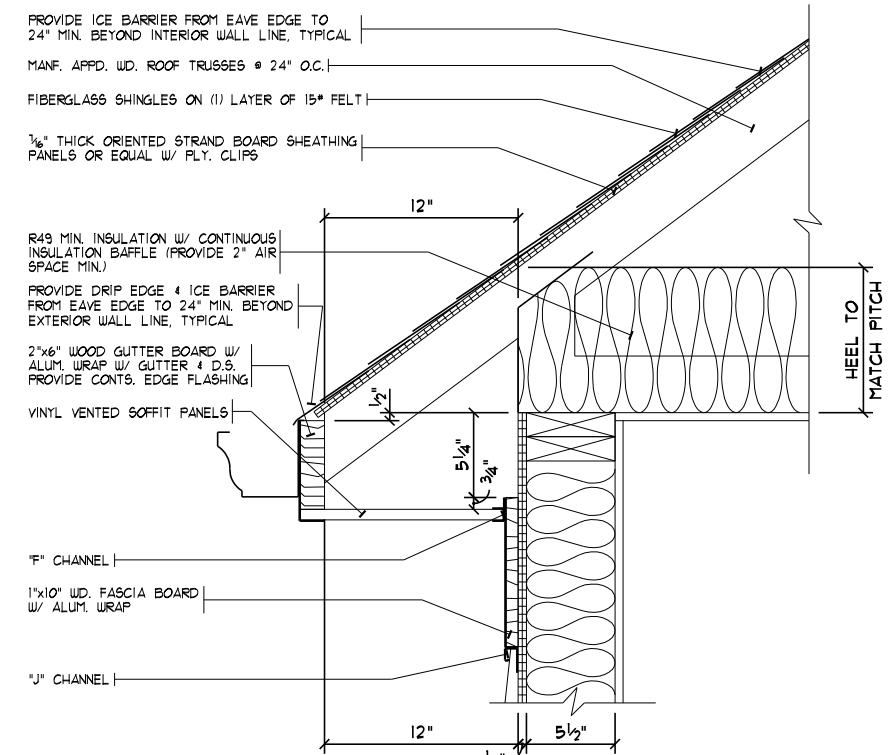
TRUSS PROFILE @ CATHEDRAL CLG. W/ PLANT LEDGE
(GREAT ROOM)
SCALE: 1/8"=1'-0"



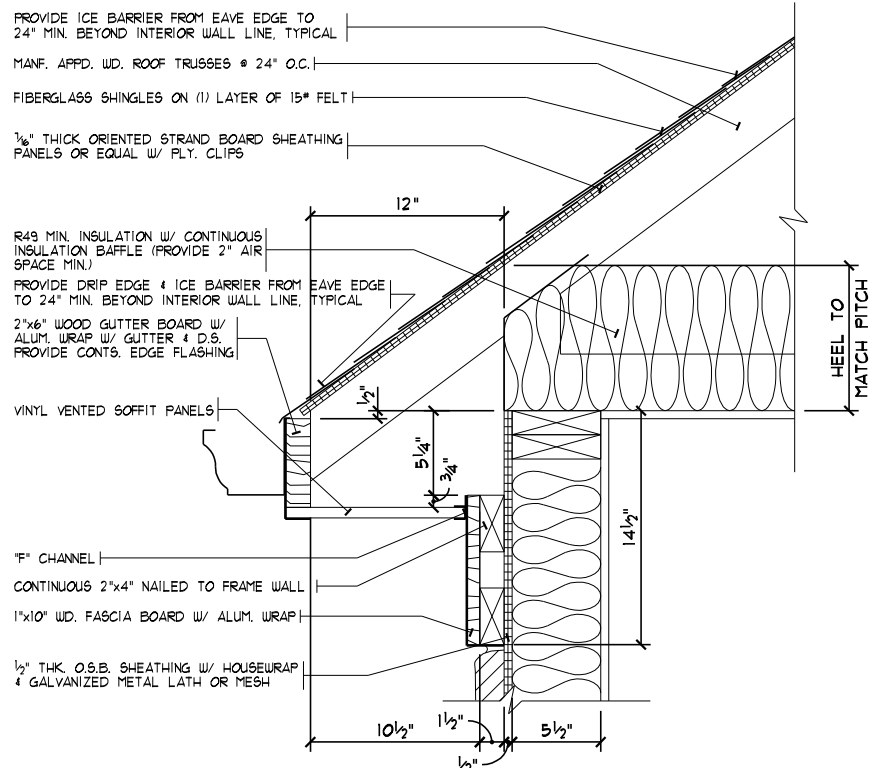
12" RAKE @ SIDING W/ SUB-RAKE BOARD
SCALE: 1"=1'-0"



SIDING OVERHANG w/o FASCIA BOARD
SCALE: 1"=1'-0"



SIDING OVERHANG W/ FASCIA BOARD
SCALE: 1"=1'-0"



STONE OVERHANG W/ FASCIA BOARD
SCALE: 1"=1'-0"

STUD CHART

Stud Size	Section Modulus	Fiber Stress 675 (15%+60%)	Modulus of Elasticity	Max. Moment	Moment of Inertia	SPF - STUD GRADE			
						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

DATE: 08/01/17

REV.: 08/08/17

DRAWN BY: S.W.R.

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

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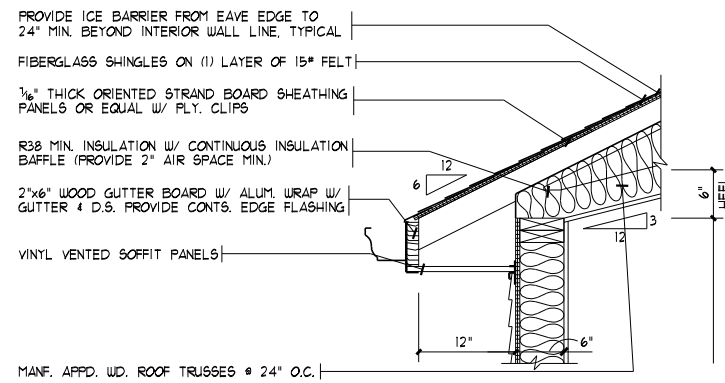
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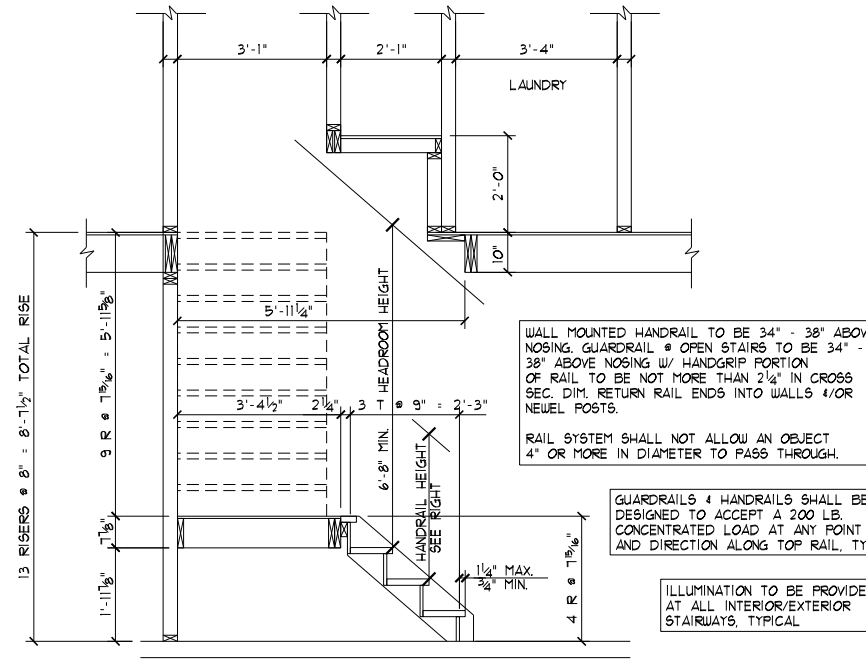
A5

GENERAL NOTES

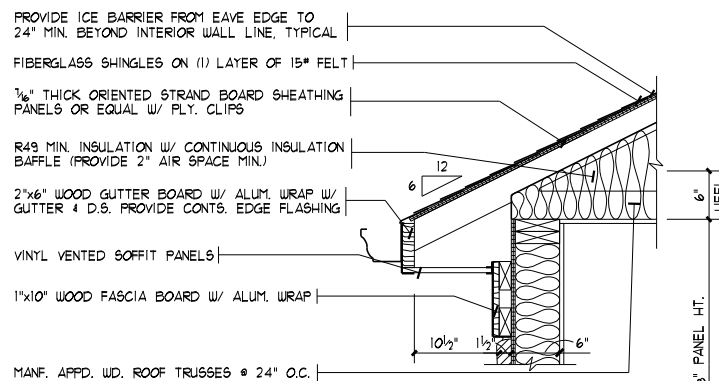
- DIMENSION NOTES: EXTERIOR DIMENSIONS TO FACE OF FOUNDATION. INTERIOR DIMENSIONS TO FACE OF STUDS. INTERIOR PARTITIONS 3/4" UNLESS NOTED OTHERWISE.
- WOOD LINTELS: (UNLESS NOTED OTHERWISE) 2"x4" STUD OPENINGS UP TO 3'-0", USE (2) 2"x8"s, OPENINGS UP TO 6'-0" USE (2) 2"x10"s, OPENINGS 6'-0" & LARGER USE (2) 2"x12"s W/ 1/2" PLYWOOD FL. 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"x3/4"x3/8" STL. ANGLE, 16'-0" OPENINGS WITH 3'-0" OR LESS OF BRICK ABOVE USE 6"x3/4"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 1"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.L.O.
- DESIGN LOADS: (LL) FLOOR LOAD = 40 PSF, STAIR = 40 PSF, ROOF = 20 PSF, DECK = 40 PSF, SNOW = 20 PSF, WIND = 90 MPH, GARAGE SLAB = 90 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 = 1130 PSI FOR 2"x8", Fb = 1500 PSI FOR 2"x10", Fb = 1440 PSI FOR 2"x12" & E = 1,100,000. ALL STUDS TO BE OF STUD GRADE SPRUCE-PINE-FIR W/ Fb = 615 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 = 1100 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 = 615 & 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 SHALL BE BRACED W/ STRUCTURAL SHEATHING. IF NON-STRUCTURAL SHEATHING IS USED (FOAM TYPES), PROVIDE 1"x4" LET-IN BRACING OR 3/4" THICK x 48" WIDE O.S.B./PLYWOOD PANELS @ CORNERS & @ 25'-0" MAX. SPACING (48" WIDE SHEATHING SHALL NOT BE CUT FOR OR AROUND WINDOWS & DOORS. 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 WOOD & 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. WEEP-HOLES @ 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 (H2.5A) HAVING AN UPLIFT RESISTANCE OF NOT LESS THAN 175 LBS.



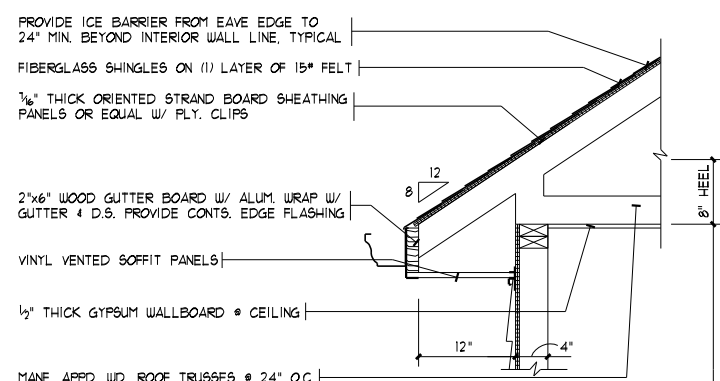
CORNICE DETAIL @ CATHEDRAL CLGS.
SCALE: 1/2"=1'-0"



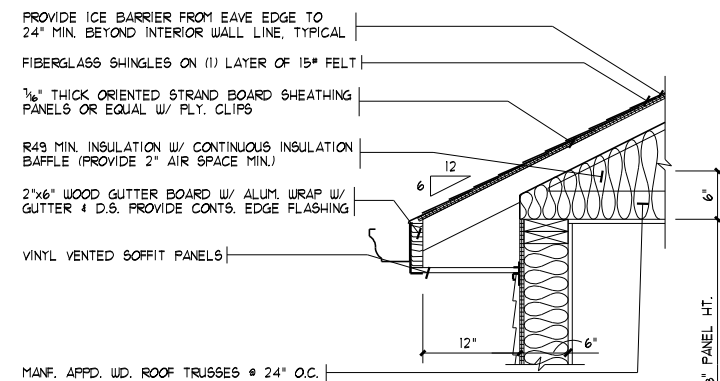
STAIR SECTION
SCALE: 1/4"=1'-0"



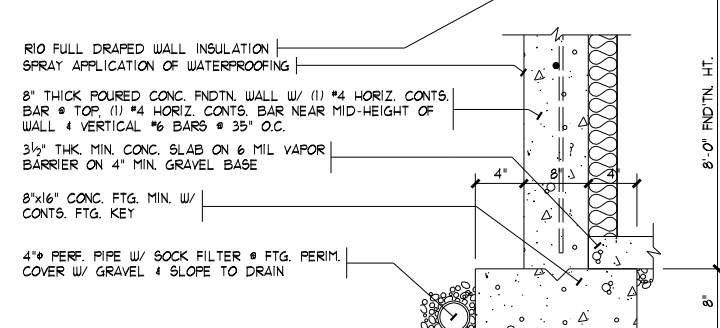
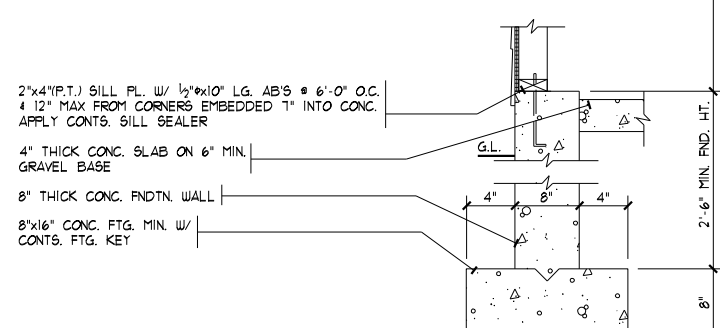
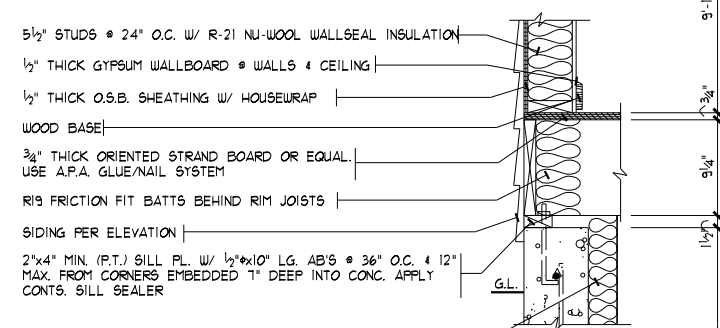
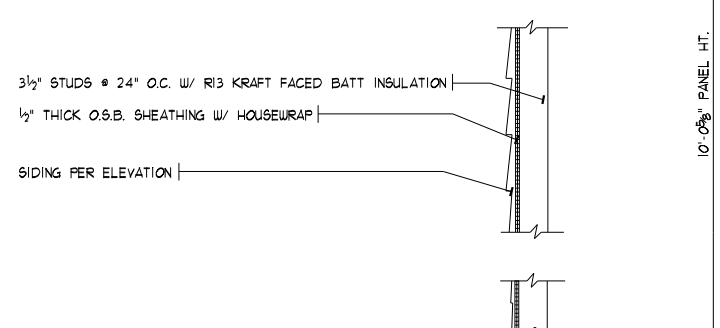
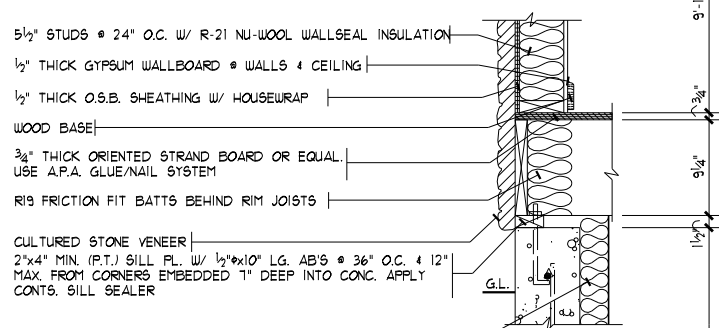
WALL SECTION @ DINING ROOM
SCALE: 1/2"=1'-0"



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

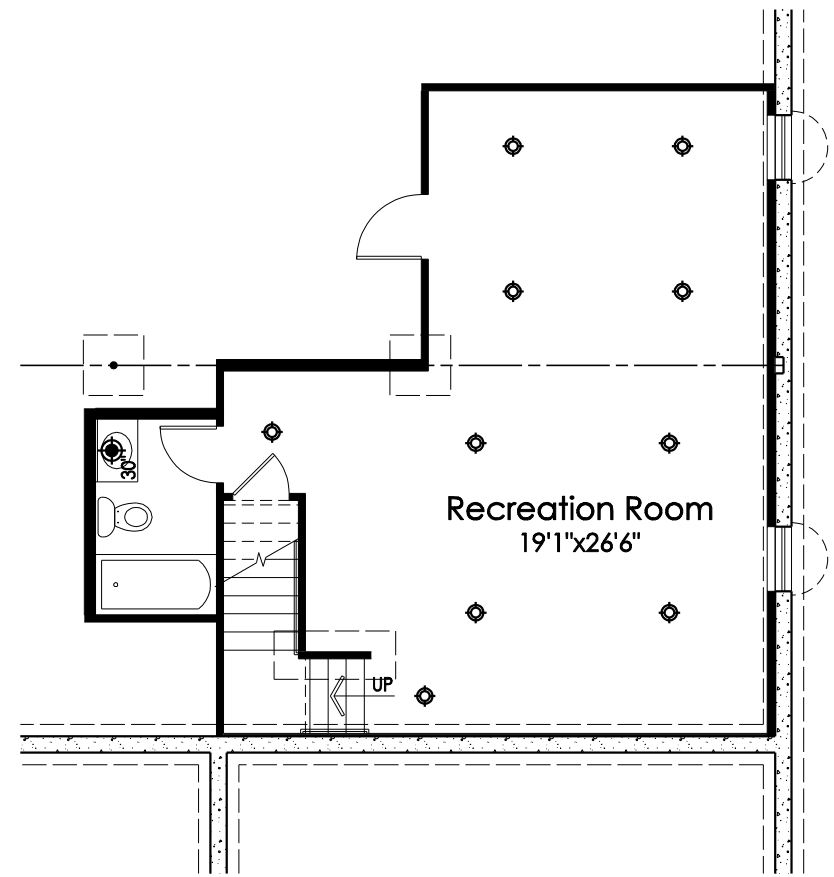


WALL SECTION @ REAR
SCALE: 1/2"=1'-0"



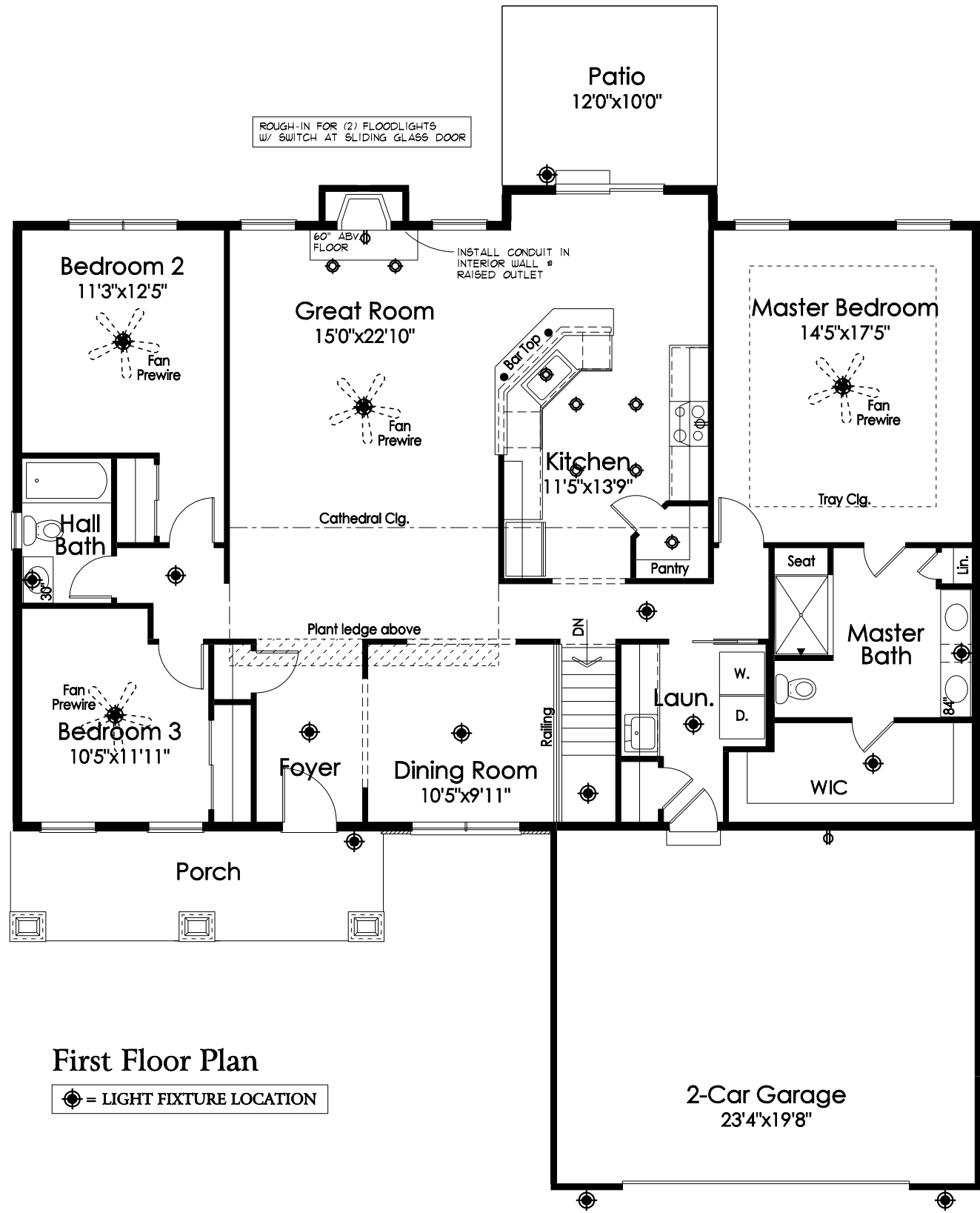
"U" VALUES @ ROOF		"U" VALUES @ FLOOR	
	R	(@ CANTILEVER)	R
IN/OUT AIRFILM	0.18	IN/OUT AIRFILM	1.09
INSULATION	49.00	BATT INSULATION	30.00
1/2" DRYWALL	0.45	3/8" O.S.B. SOFFIT	0.62
TOTAL	50.23	3/4" O.S.B.	0.93
"U"=1/R: 1/50.23	= 0.020	TOTAL	32.64
		"U"=1/R: 1/32.64	= 0.031

"U" VALUES @ WALLS	
(2"x6" FRAME)	R
IN/OUT AIRFILM	0.85
SIDING	1.00
1/2" O.S.B. SHEATHING	0.62
5 1/2" NU-WOOL INSULATION	21.00
1/2" DRYWALL	0.45
TOTAL	23.92
"U"=1/R: 1/23.92	= 0.042



Finished Basement Plan

⊙ = LIGHT FIXTURE LOCATION



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

ROUGH-IN FOR (2) FLOODLIGHTS
 W/ SWITCH AT SLIDING GLASS DOOR

60" ABV FLOOR
 INSTALL CONDUIT IN INTERIOR WALL @ RAISED OUTLET

Cathedral Clg.

Plant ledge above

DN

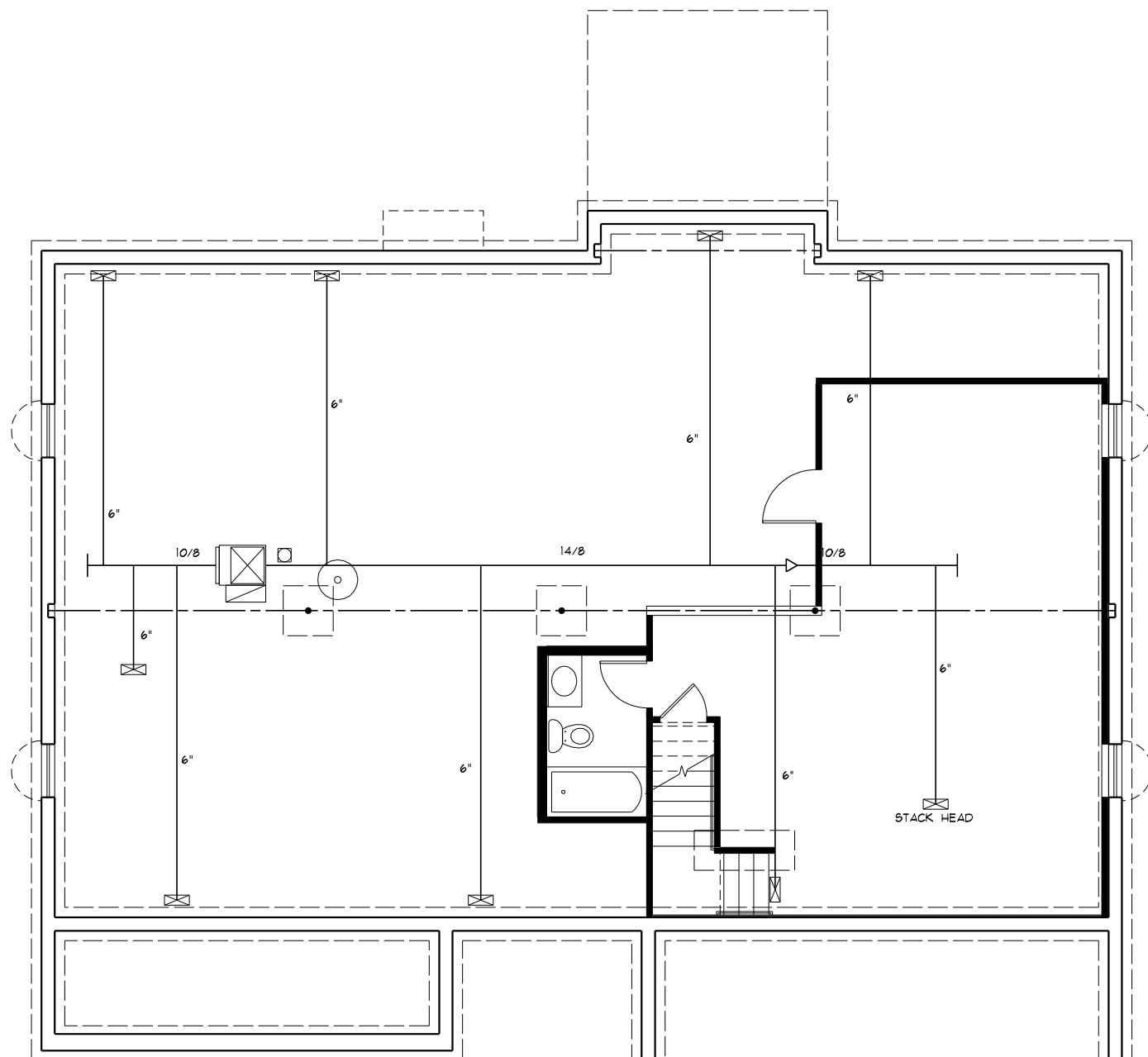
Rolling

Tray Clg.

8"

8"

8"



BASEMENT HVAC PLAN
SCALE: 1/8"=1'-0"

HVAC LEGEND

--- 10"	CLASS I FLEXIBLE AIR DUCT AND SIZE
— 10"	ROUND DUCTWORK AND SIZE
— 20/8	RECTANGULAR DUCTWORK AND SIZE
12" ← 14"	DUCTWORK TRANSITION AND SIZES
□	SUPPLY REGISTER - FLOOR/CEILING
—	SUPPLY REGISTER/RETURN GRILLE - SIDEWALL
SR10x4	SUPPLY REGISTER AND CFM
RG24x12 LSW	RETURN GRILLE, SIZE AND LOCATION
T	PROGRAMMABLE HEATING & COOLING THERMOSTAT
→	AIRFLOW DIRECTION
◊	MIXING BOX FOR AIR DISTRIBUTION

HVAC NOTES

1. ALL FURNACES TO BE INSTALLED WITH INSULATED RETURN AIR BOXES.



FIRST FLOOR HVAC PLAN
SCALE: 1/8"=1'-0"

HVAC PLAN(S) FURNISHED BY POTTERHILL HOMES. SUPERIOR DESIGNS SHALL NOT BE RESPONSIBLE FOR ANY OMISSIONS TO DESIGN, EQUIPMENT AND/OR CORRECTNESS OF WORK DONE BY OTHERS.

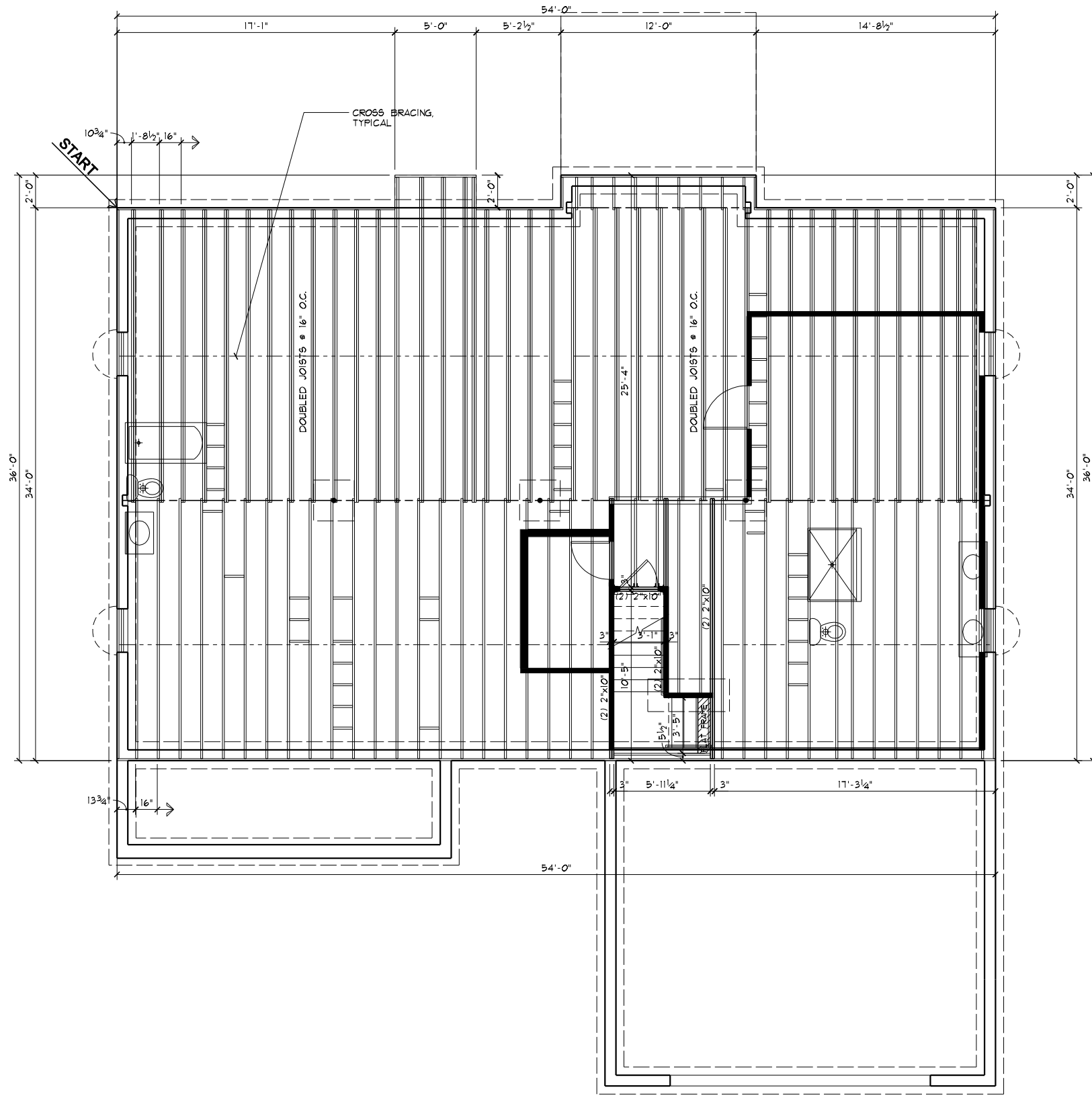
DATE: 08/01/17
REV.: 08/08/17
DRAWN BY: S.W.R.
SCALE: 1/8"=1'-0"
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Elevation K - Basement

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M1



FIRST FLOOR SUBFLOOR PLAN
SCALE: 1/8"=1'-0"

DATE: 08/01/17

REV.: 08/08/17

DRAWN BY: S.W.R.

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

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S1