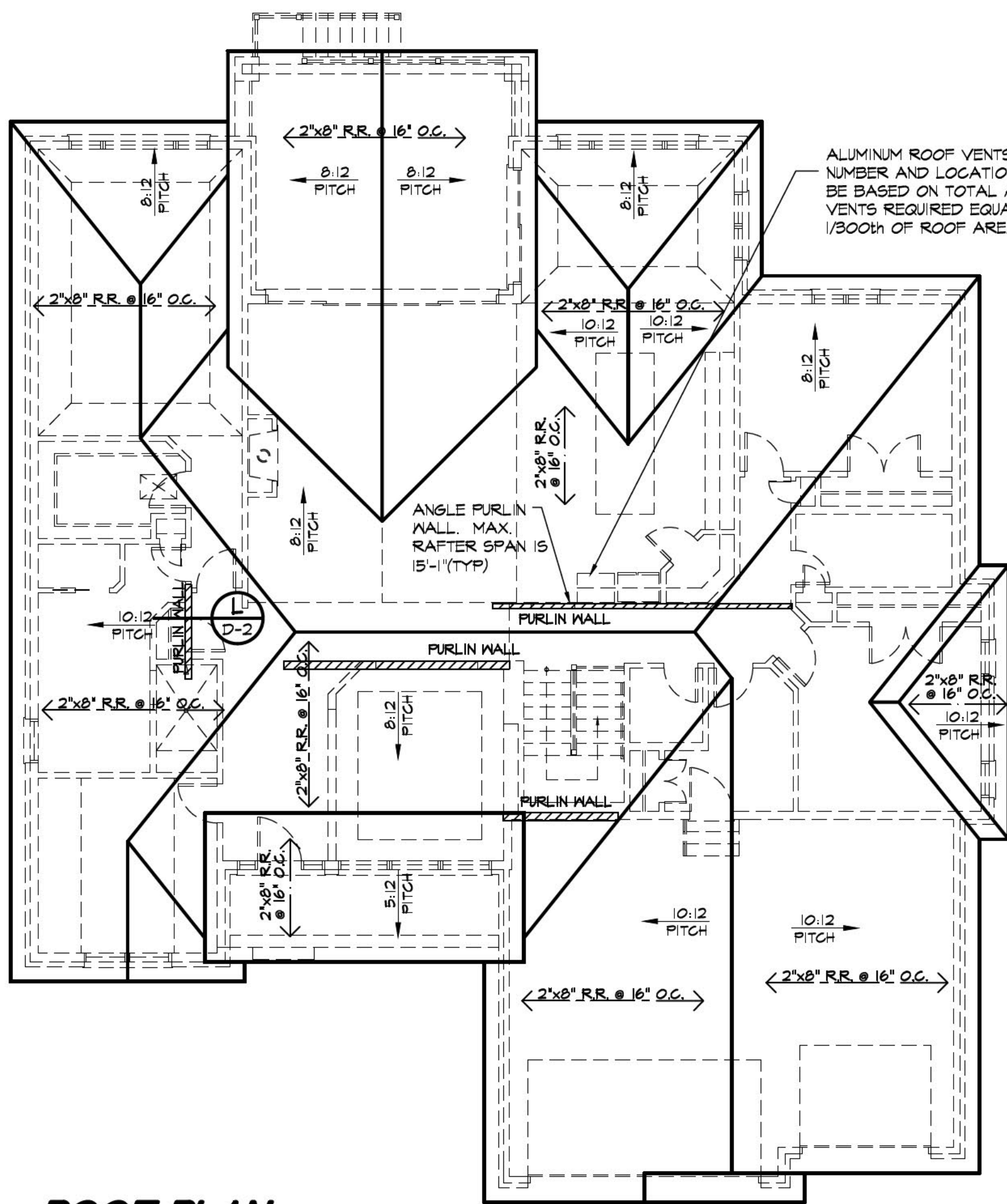
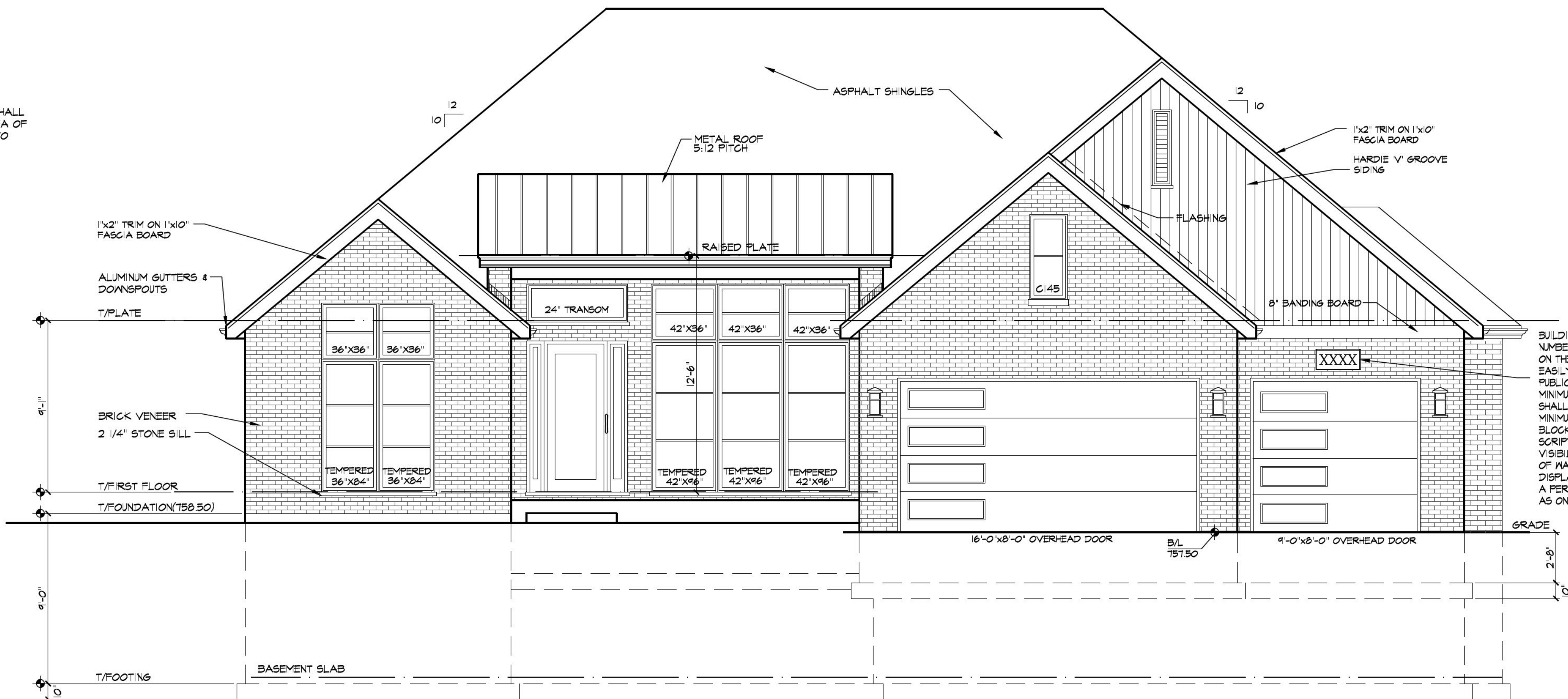




ROOF PLAN

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



FRONT ELEVATION

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

ROOF NOTES

USE CANADIAN SPRUCE-PINE-FIR NO. 2 FOR ROOF RAFTERS THRU 2"x10". 2"x12" ROOF RAFTERS SHALL BE CANADIAN HEM-FIR NO. 2 PER U.S. SPAN BOOK FOR CANADIAN LUMBER. SPAN TABLES SFF FOR SOUTHERN LUMBER (NORTHERN LUMBER GREATER SPANS ARE ALLOWED).

2"x6" @ 12" O.C. = 13'-4" 2"x8" @ 12" O.C. = 17'-5" 2"x10" @ 12" O.C. = 21'-4" 2"x6" @ 16" O.C. = 11'-1" 2"x8" @ 16" O.C. = 15'-1" 2"x10" @ 16" O.C. = 19'-5" HEM-FIR

2"x12" @ 12" O.C. = 24'-4" 2"x12" @ 16" O.C. = 31'-1"

1. HIP OR VALLEY RAFTERS EXCEEDING 24'-0" IN LENGTH SHALL BE 1 3/4" WIDE 60% LAM MEMBERS X RAFTER DEPTH PLUS 2" DEEP.

2. ALL HIP VALLEY CRIPPLE JACKS SHALL BE INSTALLED AND SHALL BE EQUAL IN DEPTH AND SPACING TO MAIN RAFTER FRAMING INTO HIP OR VALLEY RAFTER.

3. PROVIDE ICE AND WATER SHIELD A MIN. OF 24" MEASURED HORIZONTALLY FROM INSIDE FACE OF EXTERIOR WALL. ON ROOFS WITH SLOPE EQUAL TO OR GREATER THAN 8 UNITS VERTICAL AND 12 UNITS HORIZONTAL, THE ICE BARRIER SHALL ALSO BE APPLIED NOT LESS THAN 36" MEASURED ALONG THE ROOF SLOPE FROM THE EAVE EDGE OF THE BUILDING.

4. 2X6 COLLAR TIES SHALL BE INSTALLED FOR ROOF RAFTERS @ 48" O.C.

5. WHERE HIP RAFTERS FRAME PERPENDICULAR TO CEILING JOISTS PROVIDE SOLID BLOCKING AT 8'-0" O.C. BETWEEN JOISTS FOR A DISTANCE OF 10'-0" FROM EXTERIOR WALL.

6. PROVIDE FLASHING AT ALL WALL AND ROOF INTERSECTIONS WHEREVER THERE IS A CHANGE IN ROOF SLOPE OR DIRECTION AND AROUND ROOF OPENINGS.

7. RAFTERS SHALL BE FRAMED TO EACH OTHER WITH A GUSSET PLATE OR TO A MINIMUM 1-INCH NOMINAL THICKNESS RIDGE BOARD, NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTER.

8. A MINIMUM 2-INCH NOMINAL THICKNESS VALLEY OR HIP RAFTER IS REQUIRED AT ALL VALLEYS AND HIPS, NOT LESS THAN THE DEPTH OF THE CUT END OF THE RAFTER, AND SUPPORTED AT THE RIDGE BY A BRACE TO A BEARING PARTITION.

9. THE ENDS OF EACH RAFTER AND CEILING JOIST SHALL HAVE NOT LESS THAN 1/2" OF BEARING ON WOOD OR METAL AND NOT LESS THAN 3" ON MASONRY OR CONCRETE. MAINTAIN 2" CLEARANCE TO COMBUSTIBLE FRAMING MEMBER AT MASONRY FIREPLACE.

BASE LUMBER VALUES

TYPE	F _b	E
HEM-FIR #2 (CANADIAN)	850 PSI	1,300,000
S.P.F. #2 (CANADIAN)	875 PSI	1,400,000
MICROLAM LVL	2600 PSI	1,900,000
PARALLAM PSL	2400 PSI	2,000,000
1.9 E TIMBERSTRAND LSL (4 3/4" TO 11 1/4")	1700 PSI	1,300,000
1.9 E TIMBERSTRAND LSL (11 7/8" TO 18")	2250 PSI	1,500,000

USE TIMBERSTRAND LSL (11 7/8" TO 18")

ALL JOISTS AND RAFTERS TO BE S.P.F. #2 (CANADIAN) OR HEM-FIR #2 (CANADIAN) (UNLESS OTHERWISE NOTED).

SEE SP-1 FOR HEADER SIZES

ALL STEEL LINTELS & BEAMS SHALL BE SHOP PRIMED.

INSTALL 1/2" FLASHING, END DAMS, AND KEEPER ROPE AT ALL STEEL LINTELS. TERMINATED FLUSH WITH MASONRY FACE.

DESIGN LOADS

USE	LL	DL
BALCONIES (EXTERIOR)	60	7
DECKS	60	7
ROOF RAFTERS	30	7
ROOF RAFTERS W/ CATHEDRAL CEILING	30	15
ROOF RAFTERS (HEAVY ROOF) - EX. CLAY, TILE, CEMENT, SLATE	30	17
ATTICS (NO STORAGE WITH ROOF SLOPE NOT STEEPER THAN 8/12)	10	10
ATTICS (LIMITED ATTIC STORAGE)	20	10
FLOORS	40	10
FLOORS (SLEEPING ROOMS)	30	10
STAIRS	30	10
GUARDRAILS AND HANDRAILS (A SINGLE CONCENTRATED LOAD APPLIED IN ANY DIRECTION AT ANY POINT ALONG THE TOP)	200	
WALLS-STUD	10	
WALLS-BRICK (STD)	40	
PARTITIONS OR WALLS (INTERIOR), HORIZONTALLY	5	
FLEXICORE	100	

GENERAL NOTES

- ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, COUNTY, AND LOCAL BUILDING ORDINANCES.
- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR DIMENSIONAL ACCURACY. ALL DIFFERENCES IN ANTICIPATED DIMENSIONS OR CONDITIONS SHALL BE IMMEDIATELY SUBMITTED IN WRITING TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OR CONTINUATION OF WORK OR THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SAME. ANY DEVIATION FROM THESE PLANS AND SPECIFICATIONS WITHOUT WRITTEN CONSENT OF THE ARCHITECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND WILL NULLIFY AND VOID ANY ARCHITECTURAL CERTIFICATION PERTAINING TO THIS PROJECT.
- THE ARCHITECT SHALL NOT HAVE CONTROL OVER OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR CONTRACTORS OR SUBCONTRACTORS' SCHEDULES OR FOR FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. THE ARCHITECT SHALL NOT HAVE CONTROL OVER OR CHARGE OF ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR THEIR AGENTS OR EMPLOYEES, OR OF ANY OTHER PERSONS PERFORMING PORTIONS OF THE WORK.
- CONCRETE FOOTINGS SHALL BEAR ON UNDISTURBED SOIL WITH A MINIMUM BEARING CAPACITY OF 3000 PSF.
- CONCRETE SHALL ATTAIN A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
- CONCRETE FOR PORCHES, STEPS, AND GARAGE FLOOR SLABS SHALL BE A MIN. OF 3500 PSI AND A MINIMUM 3% AND MAX 1% AIR ENTRAINMENT.
- WOOD SILL PLATES BEARING ON CONCRETE OR MASONRY SHALL BE PRESSURE TREATED FOR ROT AND TERMITES.
- PROVIDE A CONTINUOUS 2X6 WOOD VALUER ON TOP OF ALL STEEL BEAMS EXCEPT THOSE USED FOR SUPPORTING MASONRY.
- PROVIDE DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS, OVERSIZED SUBS AND SOLID BLOCKING UNDER PERPENDICULAR PARTITIONS.
- BLOCK SOLID ALL POINTS LOADS DOWN TO STEEL BEAMS AND FOUNDATION WALLS.
- PROVIDE 3-2X4S MIN. AT EACH END OF ALL WOOD BEAMS, HEADERS, AND GIRDERS TRUSSES CONTINUOUS TO CONCRETE FOUNDATION OR STRUCTURAL STEEL UNLESS NOTED OTHERWISE.
- FIRESTOP ALL SOFFITS, PENETRATIONS BETWEEN STORES, THE ROOF SPACES AND DROPPED CEILINGS WITH 5/8" DRYWALL OR 3/4" PLYWOOD.
- FIRE BLOCKING SHALL BE USED TO CUT OFF ALL CONCEALED DRAFT OPENINGS BOTH VERTICAL AND HORIZONTAL AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORES, AND BETWEEN A TOP STORY AND THE ROOF SPACE. FIRE BLOCKING SHALL BE PROVIDED IN WOOD-FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:
 - A. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING PURSED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS VERTICALLY AT THE CEILING AND FLOOR LEVELS HORIZONTALLY AT INTERVALS NOT EXCEED TEN FEET.
 - B. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN.
 - C. AT OPENINGS OF VENTS, PIPES, DUCTS, CABLES AND WIRES AT CEILING AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION.
- PLUMBING SUPPLY LINES SHALL BE COPPER TYPE L.
- ALL WINDOW DESIGNATIONS ARE 'ANDERSEN'.
- ALL EXPOSED WINDOWS FROM SLEEPING ROOMS MUST HAVE A MIN. NET CLEAR OPENING OF 5.7 SQ. FT. THE MIN. NET CLEAR OPENING HEIGHT DIMENSION SHALL BE 24" THE MIN. NET CLEAR OPENING WIDTH DIMENSION SHALL BE 20" WHERE WINDOWS ARE PROVIDED AS A MEANS OF EGRESS THEY SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44" A.F.F.
- PROVIDE SAFETY GLAZING FOR WINDOWS LESS THAN 18" A.F.F. AND OVER ALL TUBS.
- FIREPLACE FLUES TO BE MIN. (2'-0") ABOVE ANY ROOF SURFACE WITH MIN. HORIZONTAL DISTANCE OF (10'-0").
- PROVIDE ICE AND WATER SHIELD AT ALL VALLEYS, SKY LIGHTS, SADDLES, ROOF/WALL INTERSECTIONS 9'-0" UP WALL AND AT EAVES EDGE TO A ROOF AT LEAST 24" INSIDE OF THE EXTERIOR WALL LINE OF THE BUILDING MEASURED HORIZONTALLY.
- ENGINEERED LUMBER SHALL NOT BE CUT, DRILLED, OR NOTCHED UNLESS SPECIFICALLY INCLUDED IN THE DESIGN.
- ALL WINDOW WELLS TO HAVE COVERS OR GUARDS.
- WINDOW WELLS WITH VERTICAL DEPTH GREATER THAN 44" SHALL BE EQUIPPED WITH A PERMANENTLY AFFIXED LADDER OR STEPS USABLE WITH THE WINDOW IN THE FULLY OPEN POSITION. RUNGS AT LEAST 12" WIDE AT LEAST 3" FROM WALL, SPACED NO MORE THAN 18" O.C. VERTICALLY FOR FULL HEIGHT OF WINDOW WELL.
- PROVIDE 1X8 CROSS BRACING IN FLOORS WITH MAX. SPACING OF 8'-0" O.C. ONE ROW MINIMUM. PROVIDE SOLID BRIDGING IN THE CEILING JOISTS WITH MAX. SPACING OF 8'-0" O.C. ONE ROW MIN.
- HOT AND COLD AIR RETURN SUPPLIES MUST BE IN SHEET METAL.
- FIREPLACE OPENING OF 8 SQ. FT. OR LESS-HEARTH EXTENSION OF 8" ON EACH SIDE AND 18" IN FRONT OF FIREPLACE.
- OPENING FIREPLACE OPENING OF 8 SQ. FT. OR GREATER-HEARTH EXTENSION OF 21" ON EACH SIDE AND 20" IN FRONT OF FIREPLACE.
- WHERE THE TOP OF THE SILL OF AN OPERABLE WINDOW OPENING IS LOCATED LESS THAN 24" ABOVE THE FINISHED FLOOR AND GREATER THAN 12" ABOVE THE FINISHED GRADE OR OTHER SURFACE BELONG TO THE EXTERIOR OF THE BUILDING, THE OPERABLE WINDOW SHALL COMPLY WITH ONE OF THE FOLLOWING:
 - 1. OPERABLE WINDOWS WITH OPENINGS THAT WILL NOT ALLOW A 4" DIAMETER SPHERE TO PASS THROUGH THE OPENING WHERE THE OPENING IS IN ITS LARGEST OPENED POSITION.
 - 2. OPERABLE WINDOWS THAT ARE PROVIDED WITH WINDOW FALL PREVENTION DEVICES THAT COMPLY WITH ASTM F 2090.
 - 3. OPERABLE WINDOWS THAT ARE PROVIDED WITH WINDOW OPENING CONTROL DEVICES THAT COMPLY WITH SECTION R902.2.2.
- APPROVED PLANS SHALL BE ON SITE FOR ALL INSPECTIONS.
- THE BUILDING INSPECTOR MAY REQUIRE A SOIL BEARING TEST TO BE PERFORMED BY A GEOTECHNICAL ENGINEER WITH A REPORT SUBMITTED TO THE COUNTY. IT SHALL BE THE ARCHITECT'S AND CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE ENGINEERED AROUND MEETS THE DESIGN REQUIREMENTS SPECIFIED IN THE DRAWINGS.
- ULTIMATE DESIGN WIND SPEED IS WILES PER HOUR.
- COMBUSTIBLE INSULATION SHALL BE SEPARATED NOT LESS THAN THREE INCHES FROM RECESSED LUMINAIRES, FAN MOTORS AND OTHER HEAT-PRODUCING DEVICES.
- MANUFACTURED FIREPLACE SHIRT WALLS AND CEILINGS SHALL BE COVERED WITH 5/8" FIRE RATED DRYWALL TAPPED WITH AT LEAST ONE COAT OF JOINT COMPOUND TACKING THE FIREPLACE. A FALSE CEILING CAN BE INSTALLED AT EIGHT FEET FOR THE INSTALLATION OF THE FIRE RATED DRYWALL. THE FIRE RATED DRYWALL AT THE CEILING SHALL LEAVE A 2" CLEARANCE TO THE CHIMNEY WITH A FIRE CALLED METAL COLLAR. THE CHIMNEY SHIRT WALL OF A MANUFACTURED FIREPLACE SHALL BE SEPARATED FROM ANY ATTIC AREAS WITH NOT LESS THAN 1/8" STRUCTURAL SHEATHING.
- OPERABLE WINDOWS SHALL HAVE TIGHTLY FITTING SCREENS OF AT LEAST SIXTEEN (16) MESH PER INCH.
- ALL INTERIOR EQUIPMENT INSTALLATIONS SHALL BE RAISED A MINIMUM OF THREE INCHES ABOVE THE ADJOINING FLOOR.
- FIRE BLOCKING COMPOUNDS SHALL HAVE A FLAME SPREAD RATING NO GREATER THAN FIFTY. APPROVED FIREPLACE CAULKS, NONCOMBUSTIBLE MASONRY WOOD OR ROCK MOULDS IS ACCEPTABLE BUT IN NO CASE SHALL FIBERGLASS OR CELLULOSE INSULATION OR DRYWALL COMPOUND BE USED AS A FIRE OR DRAFT STOP.

FIRST FLOOR=2,933 SQUARE FEET

DRAWING INDEX

A-1	ELEVATION/ROOF PLAN
A-2	ELEVATIONS
A-3	FOUNDATION PLAN
A-4	FIRST FLOOR PLAN
A-5	WALL BRACING PLAN
E-1	ELECTRICAL PLAN
D-1	WALL SECTIONS
D-2	DETAILS
SP-1	SPECIFICATIONS

CODES

THE 2018 INTERNATIONAL RESIDENTIAL CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
2021 ILLINOIS COUNTY BUILDING ORDINANCE
2017 NATIONAL ELECTRICAL CODE
2014 ILLINOIS PLUMBING CODE

CERTIFICATION

I CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY ABILITY COMPLY WITH THE BUILDING ORDINANCES, ZONING ORDINANCES, AND OTHER APPLICABLE CODES AND ORDINANCES OF ILLINOIS COUNTY, IL.

Jew Kotel
PROFESSIONAL DESIGN FIRM # 184-006712

EXPIRES 4/30/2021

A New Residence for
O'Malley Builders
Lot 68, Tuscan Hills
Monee, IL

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ALL LEGAL FEES INCURRED.

EXPIRES: 11/30/2026

REVISIONS:

Δ 12/23/25 Village

Δ 1/19/26 Village

TITLE:

ELEVATION/
ROOF PLAN

DRAWN: CHECKED:

JK JK

DATE ISSUED:

10/29/25

PROJECT NUMBER:

2025-062

SHEET NUMBER:

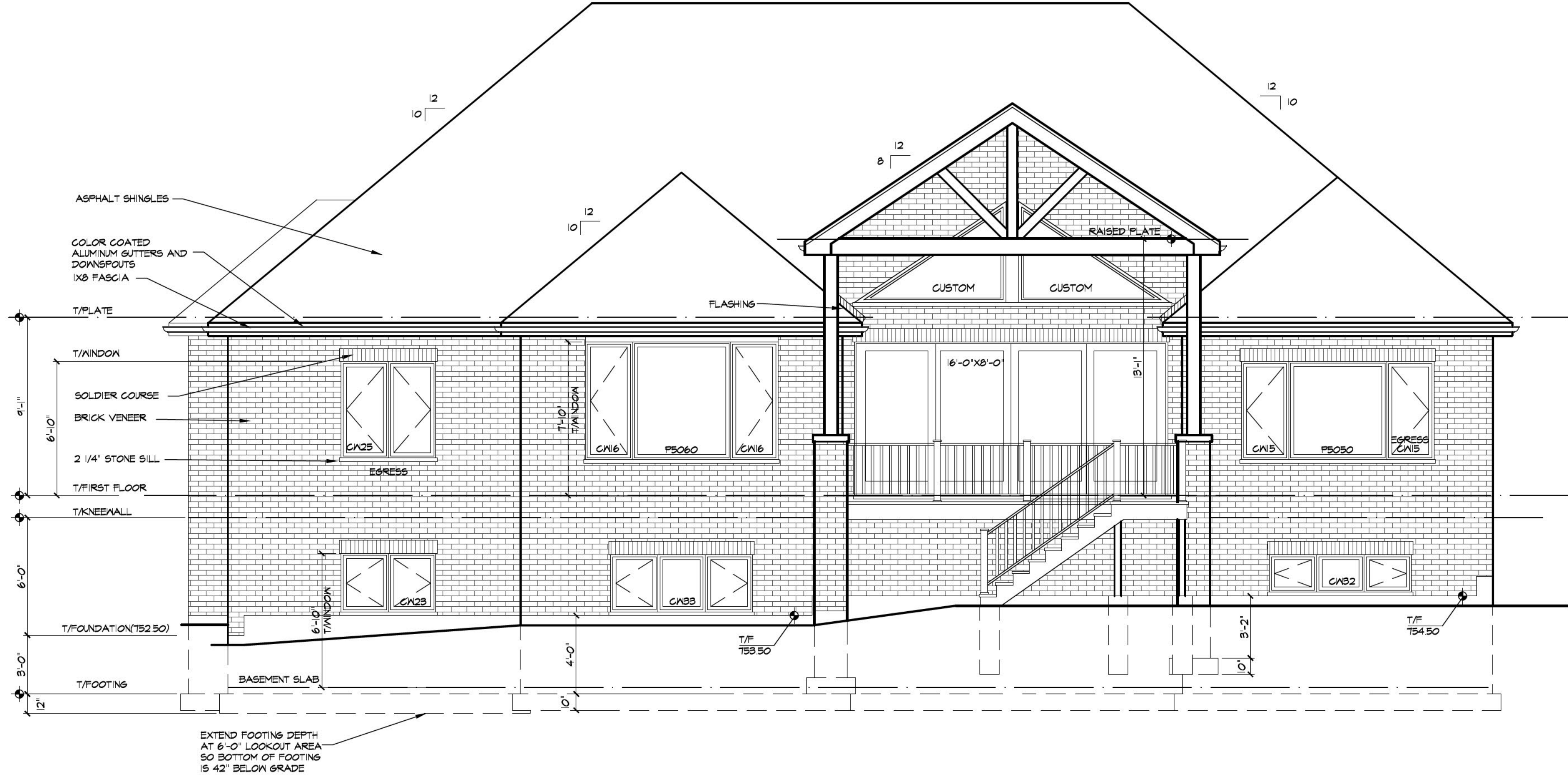
A-1

MECHANICAL VENTILATION SYSTEMS SHALL BE TESTED AND VERIFIED TO PROVIDE THE MINIMUM VENTILATION FLOW RATES REQUIRED BY SECTION R403.6 EXCEPT KITCHEN RANGE HOODS THAT ARE DUCTED TO THE OUTSIDE WITH 6 INCHES OR LARGER DUCT AND NOT MORE THAN ONE 45 DEGREE ELBOW OR EQUIVALENT IN THE DUCT RUN. TESTING SHALL BE PERFORMED ACCORDING TO THE VENTILATION EQUIPMENT MANUFACTURER'S INSTRUCTIONS, OR BY USING A FLOW HOOD OR BOX, FLOW GRID, OR OTHER AIRFLOW MEASURING DEVICE AT THE MECHANICAL VENTILATION FANS INLET TERMINALS OR GRILLES, OUTLET TERMINALS OR GRILLES, OR IN THE CONNECTED VENTILATION DUCTS. A WRITTEN REPORT OF THE RESULTS OF THE TEST SHALL BE SIGNED BY THE PARTY CONDUCTING THE TEST AND PROVIDED TO THE CODE OFFICIAL.

DESIGN CRITERIA	
GROUND SNOW LOAD	30 LB/FT ² W/REDUCTIONS 25 LB/FT ² NO REDUCTIONS
BASIC WIND SPEED	115 MPH UNLIFT GREATER THAN 20#/SQ FT
SEISMIC DESIGN CATEGORY	A
WINDBOURNE DEBRIS ZONE	NO
SPECIAL WIND REGION	NO
TOPOGRAPHIC EFFECTS	NO
SUBJECT TO DAMAGE FROM:	WEATHERING SEVERE
	FROST LINE DEPTH 42"
	TERMITE MODERATE TO HEAVY
	DECAY SLIGHT TO MODERATE
ICF BARRIER UNDERLAYMENT	REQUIRED
AIR FREEZING INDEX	2000
ANNUAL MEAN TEMPERATURE	50.1°F

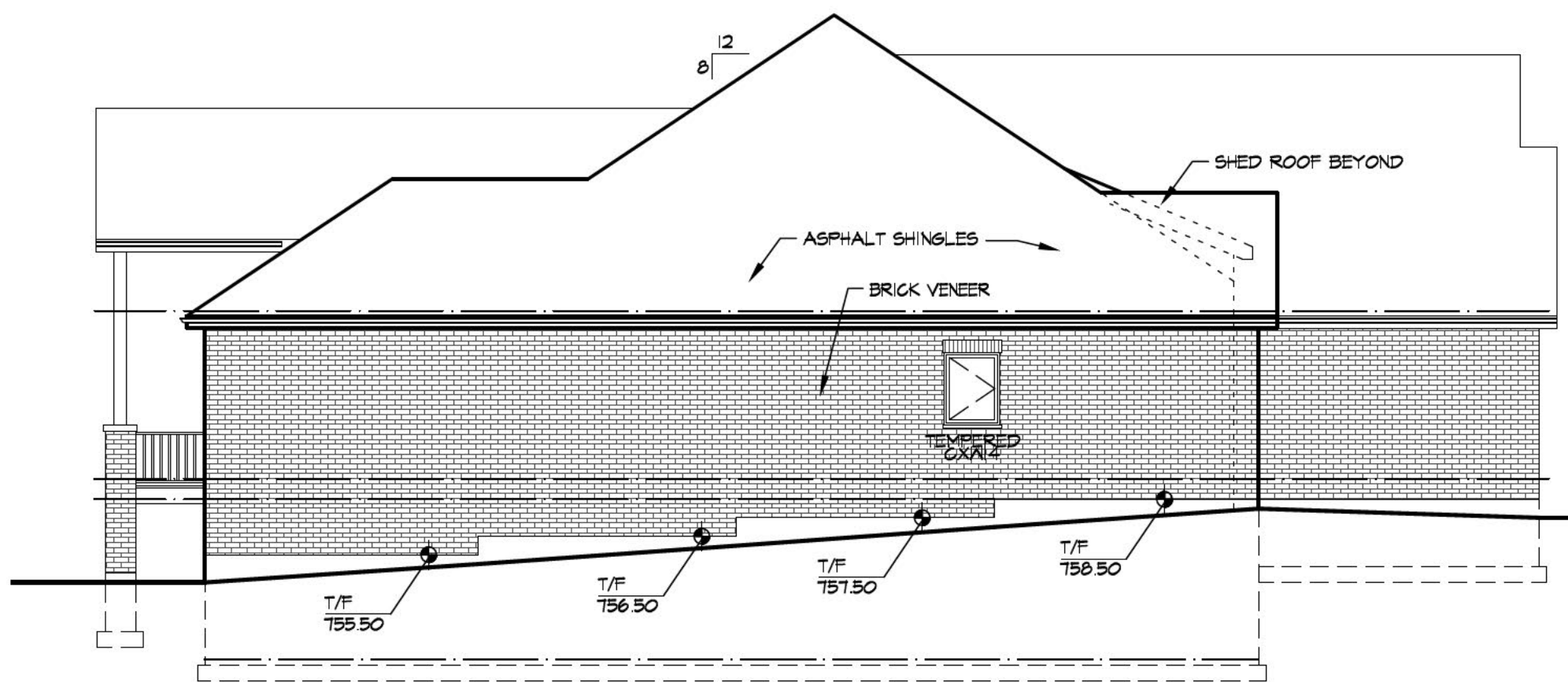
2021 IECC COMPLIANCE REQUIREMENTS

- A PERMANENT CERTIFICATE SHALL BE COMPLETED BY THE BUILDER OR OTHER APPROVED PARTY AND POSTED ON A WALL IN THE SPACE WHERE THE FURNACE IS LOCATED, A UTILITY ROOM OR AN APPROVED LOCATION OUTSIDE THE BUILDING. WHERE LOCATED ON AN ELECTRICAL PANEL, THE CERTIFICATE SHALL NOT COVER OR OBSTRUCT THE VISIBILITY OF THE CIRCUIT DIRECTORY LABEL, SERVICE DISCONNECT LABEL OR OTHER REQUIRED LABELS. THE CERTIFICATE SHALL LIST THE PREDOMINANT R-VALUES OF INSULATION INSTALLED IN THE CEILING, ROOF, WALLS, FOUNDATIONS, BASEMENT WALL, GROUND SPACE WALL AND/OR FLOOR, AND DUCTS OUTSIDE CONDITIONED SPACES, U-FACTORS FOR PENETRATION AND THE SHGC OF PENETRATION. THE RESULTS FROM ANY REQUIRED DUCT SYSTEM AND BUILDING ENVELOPE AIR LEAKAGE TESTING DONE ON THE BUILDING, WHERE THERE IS MORE THAN ONE VALUE FOR EACH COMPONENT, THE CERTIFICATE SHALL INDICATE BOTH THE VALUE COVERING THE LARGEST AREA AND THE AREA WEIGHTED AVERAGE VALUE IF AVAILABLE. THE CERTIFICATE SHALL LIST THE TYPES AND EFFICIENCIES OF HEATING, COOLING AND SERVICE WATER HEATING EQUIPMENT, WHERE A GAS-FIRED INVENTED ROOM HEATER, ELECTRIC FURNACE OR BASEBOARD ELECTRIC HEATER IS INSTALLED, THE CERTIFICATE SHALL INDICATE GAS-FIRED INVENTED ROOM HEATER, ELECTRIC FURNACE, OR BASEBOARD ELECTRIC HEATER. AN EFFICIENCY SHALL NOT BE LISTED FOR GAS-FIRED INVENTED ROOM HEATERS, ELECTRIC FURNACES OR ELECTRIC BASEBOARD HEATERS. THE CODE EDITION UNDER WHICH THE STRUCTURE WAS PERMITTED AND THE COMPLIANCE PATH USED.
- THE BUILDING OR DWELLING UNIT SHALL BE TESTED FOR AIR LEAKAGE. THE MAXIMUM AIR LEAKAGE RATE FOR ANY BUILDING OR DWELLING UNIT UNDER ANY COMPLIANCE PATH SHALL NOT EXCEED 3.0 AIR CHANGES PER HOUR OR 28 CUBIC FEET PER MINUTE (CFM) PER SQUARE FOOT OF DWELLING UNIT ENCLOSURE AREA. TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH ANSI/RESNET/ICC 380, ASTM E779 OR ASTM E1827 AND REPORTED AT A PRESSURE OF 0.2 INCHES. WHERE REQUIRED BY THE CODE OFFICIAL, TESTING SHALL BE CONDUCTED BY AN APPROVED THIRD PARTY. A WRITTEN REPORT OF THE RESULTS SHALL BE SIGNED BY THE PARTY CONDUCTING THE TEST AND PROVIDED TO THE CODE OFFICIAL. TESTING SHALL BE PERFORMED AT ANY TIME AFTER CREATING OF ALL PENETRATIONS OF THE BUILDING THERMAL ENVELOPE HAVE BEEN SEALED.
- NEW WOOD-BURNING FIREPLACES SHALL HAVE TIGHT-FITTING FLUE DAMPERS OR DOORS AND OUTDOOR COMBUSTION AIR. WHEN USING TIGHT-FITTING DOORS ON FACTORY-BUILT FIREPLACES, LISTED AND LABELED IN ACCORDANCE WITH UL 127, THE DOORS SHALL BE TESTED AND LISTED FOR THE FIREPLACE.
- RECESSED LUMINAIRES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES. ALL RECESSED LUMINAIRES SHALL BE IC-RATED AND LABELED AS HAVING AN AIR LEAKAGE RATE NOT MORE THAN 2 CFM. ALL RECESSED LUMINAIRES SHALL BE SEALED WITH A GASKET OR GULK BETWEEN THE HOUSING AND THE INTERIOR WALL OR CEILING COVERING.
- ALL PERMANENTLY INSTALLED LIGHTING FIXTURES, EXCLUDING KITCHEN APPLIANCE LIGHTING FIXTURES, SHALL CONTAIN ONLY HIGH-EFFICIENCY LIGHTING SOURCES PERMANENTLY INSTALLED. INTERIOR LIGHTING FIXTURES SHALL BE CONTROLLED WITH EITHER A DIMMER, AN OCCUPANT SENSOR, CONTROL, OR OTHER CONTROL THAT IS INSTALLED OR BUILT INTO THE FIXTURE. EXPECT IN BATHROOMS, HALLWAYS, EXTERIOR LIGHTING AND LIGHTING DESIGNED FOR SAFETY OR SECURITY.
- BUILDING FRAMING CAVITIES SHALL NOT BE USED AS DUCTS OR FLEUMS.
- THE THERMOSTAT CONTROLLING THE PRIMARY HEATING OR COOLING SYSTEM SHALL BE CAPABLE OF CONTROLLING THE HEATING AND COOLING SYSTEM ON A DAILY SCHEDULE TO MAINTAIN DIFFERENT TEMP. SET POINTS AT DIFFERENT TIMES OF DAY AND DIFFERENT DAYS OF THE WEEK. THE THERMOSTAT SHALL INCLUDE THE CAPABILITY TO SET BACK OR TEMPORARILY OPERATE THE SYSTEM TO MAINTAIN ZONE TEMPS. OF NOT LESS THAN 55 DEGREES F TO NOT GREATER THAN 65 DEGREES F.
- ATTIC ACCESS PANELS MUST BE INSULATED EQUIVALENT TO THE SURROUNDING SURFACE AND WEATHER STRIPPED.
- MECHANICAL SYSTEM PIPING CAPABLE OF CARRYING FLUIDS ABOVE 105 DEGREES F OR BELOW 55 DEGREES F SHALL BE INSULATED TO A MINIMUM R-3.
- ELECTRICAL AND COMMUNICATION OUTLET BOXES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE AND SHALL BE MARKED "NEMA OS 4" OR "OS 4" IN ACCORDANCE WITH NEMA OS 4.
- INSULATE THE FOLLOWING PIPES WITH R-3 INSULATION:
 - PIPPING 3/4" AND LARGER IN NOMINAL DIAMETER LOCATED INSIDE THE CONDITIONED SPACE
 - PIPPING SERVING MORE THAN ONE DWELLING UNIT
 - PIPPING LOCATED OUTSIDE THE CONDITIONED SPACE
 - PIPPING FROM THE WATER HEATER TO A DISTRIBUTION MANIFOLD
 - PIPPING LOCATED UNDER A FLOOR SLAB
 - PIPPING PIPES
 - SUPPLY AND RETURN PIPING IN CIRCULATION AND REGULATION SYSTEMS OTHER THAN COLD WATER PIPE RETURN DEMAND REGULATION SYSTEMS
- OUTDOOR AIR INTAKES AND EXHAUSTS SHALL HAVE AUTOMATIC OR GRAVITY DAMPERS THAT CLOSE WHEN THE VENTILATION SYSTEM IS NOT OPERATING.
- SUPPLY AND RETURN DUCTS LOCATED OUTSIDE CONDITIONED SPACE SHALL BE INSULATED TO AN R-VALUE OF NOT LESS THAN R-6 FOR DUCTS 3 INCHES IN DIAMETER AND LARGER AND NOT LESS THAN R-6 FOR DUCTS SMALLER THAN 3 INCHES IN DIAMETER.
- DUCTS LOCATED IN CONDITIONED SPACE, FOR DUCTWORK TO BE CONSIDERED INSIDE A CONDITIONED SPACE, IT SHALL COMPLY WITH THE FOLLOWING: 1. DUCT SYSTEM SHALL BE LOCATED COMPLETELY WITHIN THE CONTINUOUS AIR BARRIER AND WITHIN THE BUILDING THERMAL ENVELOPE. 2. THE DUCTWORK IN VENTILATED ATTIC SPACES SHALL BE BURIED WITHIN CEILING INSULATION AND THE AIR HANDLER IS LOCATED WITHIN THE CONTINUOUS AIR BARRIER AND BUILDING THERMAL ENVELOPE. THE DUCT LEAKAGE IS LESS THAN OR EQUAL TO 1.5 CUBIC FEET PER MINUTE PER 100 SF OF CONDITIONED FLOOR AREA AND THE CEILING INSULATION R-VALUE INSTALLED AGAINST AND ABOVE THE INSULATED DUCT IS GREATER THAN OR EQUAL TO THE PROPOSED CEILING INSULATION R-VALUE. 1.58 THE R-VALUE OF THE INSULATION ON THE DUCT. 3. DUCTWORK IN FLOOR CAVITIES LOCATED OVER UNCONDITIONED SPACE SHALL COMPLY WITH ALL OF THE FOLLOWING: 1. A CONTINUOUS AIR BARRIER INSTALLED BETWEEN UNCONDITIONED SPACE AND DUCT, INSULATION INSTALLED IN ACCORDANCE WITH SECTION R602.2.1, A MINIMUM R-10 INSULATION INSTALLED IN THE CAVITY WITH SEPARATING THE DUCT FROM UNCONDITIONED SPACE. 4. DUCTWORK LOCATED WITHIN EXTERIOR WALLS OF THE BUILDING THERMAL ENVELOPE SHALL COMPLY WITH THE FOLLOWING: 1. A CONTINUOUS AIR BARRIER INSTALLED BETWEEN UNCONDITIONED SPACE AND THE DUCT, MINIMUM R-10 INSULATION INSTALLED IN THE CAVITY WITH SEPARATING THE DUCT FROM THE OUTSIDE SHEATHING, THE REMAINDER OF THE CAVITY INSULATION SHALL BE FULLY INSULATED TO THE DRYWALL SIDE.
- DUCTS BURIED WITHIN CEILING INSULATION, WHERE SUPPLY AND RETURN DUCTS ARE PARTIALLY OR COMPLETELY BURIED IN CEILING INSULATION, SUCH DUCTS SHALL COMPLY WITH THE FOLLOWING: DUCTS INSULATION NOT LESS THAN R-6, AT ALL POINTS ALONG THE DUCT, THE SUM OF THE CEILING INSULATION R-VALUE AGAINST AND ABOVE THE TOP OF THE DUCT, AND AGAINST AND BELOW THE BOTTOM OF THE DUCT, SHALL BE NOT LESS THAN R-10, EXCLUDING THE R-VALUE OF THE DUCT.
- HEATING AND COOLING EQUIPMENT MUST BE SIZED PER ACCA MANUAL S BASED ON BUILDING LOADS CALCULATED IN ACCORDANCE WITH MANUAL J OR OTHER APPROVED HEATING AND COOLING CALCULATION METHOD(S) (NOT CALCUS).
- DUCTS, AIR HANDLERS AND FILTER BOXES SHALL BE SEALED.
- FOR SUNROOMS AND HEATED GARAGES: 1. THE MINIMUM CEILING INSULATION R-VALUES SHALL BE R-24. 2. THE MINIMUM WALL INSULATION R-VALUE SHALL BE R-13. WALLS SEPARATING A SUNROOM OR HEATED GARAGE WITH THERMAL INSULATION FROM UNCONDITIONED SPACE SHALL COMPLY WITH THE BUILDING THERMAL ENVELOPE REQUIREMENTS OF THIS CODE.
- ALL DOORS AND WINDOWS MUST HAVE A U-VALUE OF .30 OR LESS AND A SKYLIGHT U-VALUE OF .55 OR LESS, LEAVE STICKERS ON WINDOWS UNTIL AFTER INSULATION INSPECTION.
- A BAFFLE SHALL BE INSTALLED ADJACENT TO SOFFIT AND EAVE VENTS. BAFFLES SHALL MAINTAIN A NET FREE OPENING EQUAL TO OR GREATER THAN THE SIZE OF THE VENT. THE BAFFLE SHALL EXTEND OVER THE TOP OF THE ATTIC INSULATION. THE BAFFLE SHALL BE PERMITTED TO BE ANY SOLID MATERIAL. THE BAFFLE SHALL BE INSTALLED TO THE OUTER EDGE OF THE EXTERIOR WALL TOP PLATE, WHERE SOFFIT VENTING IS NOT CONTINUOUS, BAFFLES SHALL BE INSTALLED CONTINUOUSLY TO PREVENT VENTILATION AIR IN THE EAVE SOFFIT FROM BYPASSING THE BAFFLE.
- A WRITTEN REPORT OF THE DUCT AIR LEAKAGE TEST SHALL BE SIGNED BY THE APPROVED THIRD PARTY CONDUCTING THE TEST AND PROVIDED TO THE CODE OFFICIAL.
- TRIGAN TRV 44 CFM SHALL BE PROVIDED FOR SINGLE NOISE MECHANICAL VENTILATION. REFER TO PERFORMANCE COMPLIANCE REPORT.



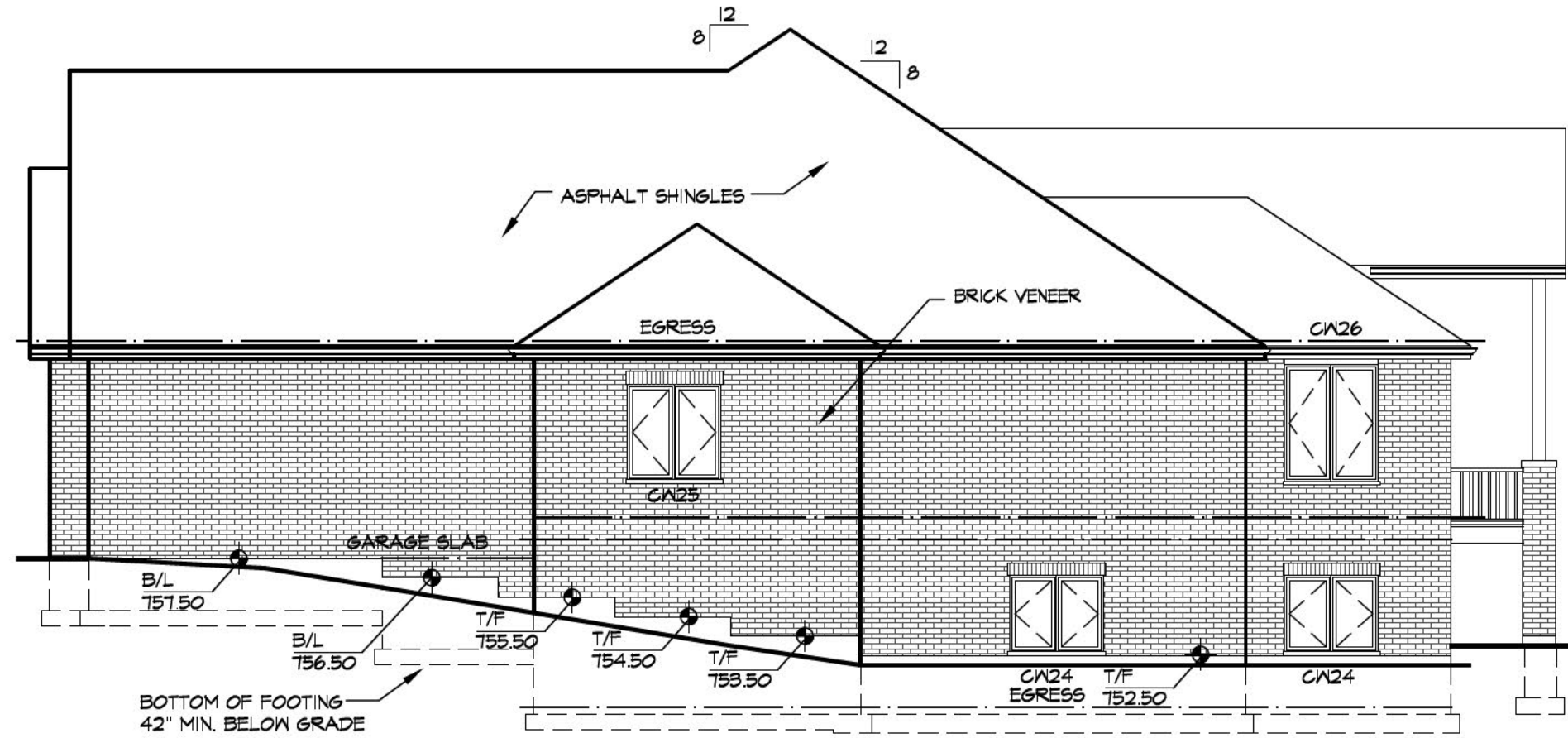
REAR ELEVATION

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



LEFT ELEVATION

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



RIGHT ELEVATION

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

A New Residence for
O'Malley Builders
Lot 68, Tuscan Hills
Monroe, IL

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EXPIRES: 11/30/2026

REVISIONS:

TITLE:
ELEVATIONS

DRAWN: CHECKED:
JK JK

DATE ISSUED:
10/29/25

PROJECT NUMBER:
2025-062

SHEET NUMBER:

A-2

A-4

LOT 68 IN TUSCAN HILLS PHASE 2, A PLANNED UNIT DEVELOPMENT, BEING A SUBDIVISION OF PART OF THE WEST 1/2 OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, EXCEPT THE SOUTH 39 FEET THEREOF, AND PART OF THE WEST 1/2 OF THE SOUTHWEST 1/4 IN SECTION 13, TOWNSHIP 34 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED OCTOBER 20, 2005 AS DOCUMENT NUMBER R2003-305901 AND CERTIFICATE OF CORRECTION RECORDED FEBRUARY 26, 2004 AS DOCUMENT NUMBER R2005-183726, IN WILL COUNTY, ILLINOIS.

EXISTING		PROPOSED
	SANITARY SEWER	
	STORM SEWER	
	CATCH BASIN	
	OPEN LID MANHOLE	
	CLOSED LID MANHOLE	
	INLET	
	WATER MAIN	
	VALVE	
	HYDRANT	
	FLARED END	
	STREET LIGHT	
	UTILITY POLE	
	B-BOX	
	RETAINING WALL	
	SILT FENCE	
	CONTOUR FENCE	
	100-YEAR OVERFLOW PATH	
	STORM STRUCTURE	
	INLET PROTECTION	
	EX. TREE TO BE REMOVED	

The diagram illustrates the process of attaching two silt fences in three steps:

- Step 1:** A rectangular block representing a silt fence is shown. A solid line labeled "Filter Fabric" extends from the top of the block. A dashed line labeled "Filter Fabric" extends from the bottom of the block. A label "Posts" points to the top and bottom edges of the block.
- Step 2:** The silt fence is shown being moved to the right. The "Filter Fabric" lines are now shown as separate, overlapping sections.
- Step 3:** The silt fence is shown fully attached to the right. The "Filter Fabric" lines are now joined together, forming a continuous barrier.

ATTACHING TWO SILT FENCES

NOTES:

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Drive both posts a minimum of 16 inches into the ground and bury the flap.



NOTES:

1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class with equivalent opening size of at least 30 for nonweaves and 50 for weaves.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.



NOTES:

1. The fence shall be located a minimum of 1 foot outside the drip line of the tree to be saved and in no case closer than 5 feet to the trunk of any tree.
2. Fence posts shall be either standard steel posts or wood posts with a minimum cross sectional area of 3.0 sq. in.
3. The fence may be either 40" high snow fence, 40" plastic web fencing or any other material as approved by the engineer/inspector.



 FOUND IRON ROD
 FOUND IRON PIPE
 BOUNDARY LINE
 ADJACENT PROPERTY LINE
 ON-SITE STRUCTURE LINE
 OFF-SITE STRUCTURE LINE
 CENTER LINE
 RIGHT-OF-WAY LINE
 BUILDING SETBACK LINE
 EXISTING EASEMENT LINE

1. 6" PORTLAND CEMENT CONCRETE
2. 4" AGGREGATE BASE COURSE, CA-6,
COMPACTED W/ NO SLAG
3. WELL DRAINED SUB-GRADE (SUB-GRADE TO
MODIFIED 95 PROCTOR MIN. COMPACTION)

PROPOSED CONCRETE PAVEMENT OUTSIDE OF
DRIVEWAY

1. 5" PORTLAND CEMENT CONCRETE
2. 4" AGGREGATE BASE COURSE, CA-6, COMPACTED W/ NO SLAG
3. WELL DRAINED SUB-GRADE (SUB-GRADE TO MODIFIED 95 PROCTOR MIN. COMPACTION)

LOT AREA	=	18,303 SF
BUILDING AREA	=	3,714 SF
BUILDING COVERAGE	=	20.29%
COVERED PORCH	=	92 SF
COVERED DECK	=	293 SF
DRIVE & SIDEWALKS	=	1,132 SF
TOTAL COVERAGE	=	5,231 SF (28.58%)

P.U. & D.E.	PUBLIC UTILITY & DRAINAGE EASEMENT	XXX.XYXC XXX.XME (XX.X)	TOP OF CURB ELEVATION MATCH EXISTING ELEVATION
N.F.	NO FENCE		EXISTING SPOT GRADE PER APPROVED ENGINEERING PLANS
N.A.	NO ACCESS		EX. AS-BUILT GRADE & DESCRIPTION
B.S.L.	LANDSCAPE COVENANT BUILDING SETBACK LINE	XXX.XX XX	
T.F.	TOP OF FOUNDATION		
G.F.	GARAGE FLOOR	XXX.X	SPOT GRADE W/ FLOW DIRECTION
L.O.	LOOK OUT		
W.O.	WALK OUT		
W.W.	WINDOW WELL		NOTE: ADD 700 TO ALL PROPOSED SPOT GRADES
D.S.	DOWN SPOUT		
B.L.	BRICK LEDGE		
S.P.	SUMP PUMP		
T.L.	TREE LINE		

	PROPOSED CONCRETE		PROPOSED PAVERS		PROPOSED COVERED PORCH
	EXISTING BITUMINOUS PAVEMENT		EXISTING CONCRETE		EXISTING PAVEMENT/STRUCTURE TO BE REMOVED
	PROPOSED COVERED DECK				

[illegible]

Diagram illustrating a sloped aggregate base layer. The layer is shown with a minimum thickness of 6" and a maximum slope of 2%. The length of the sloped section is indicated as 30' MIN. The material is labeled as COARSE AGGREGATE. The diagram is labeled NOT TO SCALE.

NOTES:

1. WHEN MUD OR OTHER DEBRIS CARRIED FROM THE SITE ON WHEELS OR TRACKS OF CONSTRUCTION EQUIPMENT MAY BE OFFENSIVE, PRESENT A SAFETY HAZARD OR CAUSE DAMAGE TO OTHER PROPERTY, THE WHEELS OR TRACKS SHOULD BE CLEANED TO REMOVE MUD OR DEBRIS PRIOR TO VEHICLES LEAVING THE CONSTRUCTION SITE. WASHING SHOULD BE DONE ON A STABILIZED AREA.
2. THE ENTRANCE SHOULD BE MAINTAINED IN A CONDITION WHICH WILL PRE-VENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. TRUCKS SHOULD BE CLEANED TO REMOVE MUD AND WITH ADDITIONAL SURFACE MATERIALS AS CONDITIONS DEMAND, REPAIR AND/OR CLEANUP OF ANY FEATURES USED TO TRAP SEDIMENT IS ESSENTIAL AND ANY SPILLAGE OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY SHOULD BE REMOVED IMMEDIATELY.

LOT 68
PROPOSED SINGLE
FAMILY RESIDENCE

Boundary measurements (clockwise from top):
 19.83', 16.83', 22.92', 2.00', 21.50', 14.08', 6.33', 18.42', 17.33', 10.58', 15.83', 10.58', 16.42', 10.58', 14.82', 19.83', 16.83'

STATE OF ILLINOIS) S.S.
COUNTY OF WILL)

TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THE DRAINAGE OF SURFACE
WATERS WILL NOT BE CHANGED BY THE CONSTRUCTION OF THESE LOT
IMPROVEMENTS OR ANY PART THEREOF, OR, THAT IF SUCH SURFACE WATER WILL
BE CHANGED, THAT ADEQUATE PROVISIONS WILL BE MADE FOR COLLECTION AND
DIVERSION OF SUCH SURFACE WATERS INTO PUBLIC AREAS, OR DRAINS
WHICH THE OWNER HAS A RIGHT TO USE, AND THAT SUCH SURFACE WATER WILL
NOT BE DETAINED ON THE PROPERTY OF ADJOINING LAND OWNERS IN SUCH
CONCENTRATIONS AS MAY CAUSE DAMAGE TO THE ADJOINING PROPERTY
BECAUSE OF THE CONSTRUCTION OF THESE LOT IMPROVEMENTS.

DATED THIS 17th DAY OF OCTOBER, 2025

PROFESSIONAL

ENGINEER *Ben M. P.*

(IN FEET)
1 INCH = 20 ft

25252 S TUSCANY DRIVE
MONEE, ILLINOIS

DRAWN BY: JDM	CHECKED BY: BMM
SCALE: 1"=20'	DATE: 10/17/25
JOB NUMBER: 25-247	SHEET: 1 OF 1

[illegible]