

Village of Bethalto
Building and
Zoning



213 N Prairie St.
Bethalto IL,
62010
618-377-7697

Building Permit Application

It is the responsibility of the contractor/property owner applying for the permit to ensure all Sub-contractors follow the requirements in this application, Village Ordinance and building code

Address -

Construction Type -

Project Description -

All Inspections must be scheduled at least 24hrs in advance
No covering of work is permitted until final inspection is complete
Final inspection should be scheduled for at least 72 hours before closing

FLOOR PLAN: INDICATE ROOM ARRANGEMENT AND SIZE OF ROOMS: INDICATE LOCATION OF DOORS, WINDOWS AND DECKS; USE EXTERIOR DIMENSIONS.

Total Living SQ FT Living Area _____ Garage SQFT _____ Finished Basement _____

Unfinished Basement _____ (*) ALL DECKS (SQ FT) _____ NUMBER OF BEDROOMS _____

TOTAL SQUARE FEET _____ NUMBER OF SMOKE DETECTORS _____

NUMBER OF CARBON MONOXIDE DETECTORS _____

TOTAL NUMBER OF PLUMBING FIXTURES: _____ TOTAL ELECTRICAL AMPS: _____

(*) IF YOU INDICATE ON YOUR PLANS THAT YOU ARE INSTALLING AN OPENING FOR ACCESS TO A DECK, THE DECK WILL HAVE TO BE INDICATED ON THE PLANS AND CONSTRUCTED AS PART OF THIS PERMIT. THIS DEPARTMENT WILL NOT PERMIT AN OPENING WITH PLANS LATER FOR A DECK.

"THE APPLICANT HEREBY CERTIFIES THAT NO WORK HAS BEGUN UPON THE PROPERTY AND THAT NONE SHALL BEGIN PRIOR TO THE ISSUANCE OF THE BUILDING PERMIT. AS A MINIMUM, THE PROJECT MUST COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL RESIDENTIAL CODE 2006 BUILDING CODE, THE BASIC FIRE PREVENTION CODE, THE ILLINOIS PLUMBING CODE, THE NATIONAL ELECTRIC CODE, INTERNATIONAL PROPERTY MAINTENANCE CODE, AND THE VILLAGE ZONING ORDINANCE." (2005-08, REVISED 05/05).

DISCLAIMER: ANY AND ALL OSHA VIOLATIONS OBSERVED BY THE ZONING ADMINISTRATOR AND/OR INSPECTION STAFF WILL IMMEDIATELY NOTIFY OSHA OF SAID VIOLATIONS.

SIGNATURE OF OWNER OR APPLICANT

VILLAGE OF BETHALTO PERMIT APPLICATION FORM

PERMIT #: _____ DATE _____ ZONING: _____ PARCEL NO. _____

911 ADDRESS _____ CONSTRUCTION COST _____ SUBDIVISION NAME _____

TYPE OF IMPROVEMENT _____ OWNER _____ ADDRESS _____
CITY/STATE/ZIP _____ PHONE: _____

GEN.CONTRACTOR - ADDRESS _____

CITY/STATE/ZIP: _____ PHONE: _____

EMAIL: _____

SIGNATURE OF OWNER OR THE AUTHORIZED AGENT _____

ELECTRICAL CONTRACTOR: _____ LICENSE # _____ PHONE: _____

ADDRESS: _____ CITY /STATE / ZIP: _____

PLUMBING CONTRACTOR: _____ LIOCENSE # _____ PHONE: _____

ADDRESS: _____ CITY /STATE / ZIP: _____

ROOFING CONTRACTOR: _____ LICENSE # _____

ADDRESS: _____ CITY /STATE / ZIP: _____

DATE _____

PLEASE NOTE THIS PAGE MUST BE FILLED OUT IN ITS ENTIRETY. IF IT DOES NOT APPLY PLEASE MARK THE LINE WITH AN N/A.

CONSTRUCTION SCHEDULE

The building inspection code of Bethalto is enforced by complete inspection of buildings as work is performed. Builders are responsible for contacting the Inspectors at the times outlined below.

ZONING ADMINISTRATOR has approval over all permits. Should there be zoning questions, he should be contacted at 377-7697.

BUILDING INSPECTOR: Call 377-7697 or at 618-977-4429 to notify: (24 Hour Notice)

1. The day work is to start.
2. Before any footings are poured, then every pour thereafter.
3. Before any piers or pilings are poured.
4. Before any rock or sandfill in a garage or basement floor.
5. Before any back-fill of rock or sand.
6. Framing Inspection
7. Drywall — plaster board inspection (before taping or 1st coat of drywall).
8. Final —do not occupy building before final inspection and for occupancy inspection.

Periodic inspections will be made at discretion of Inspector as work progresses. Builders are expected to comply with this procedure.

ELECTRICAL INSPECTOR: call Tim Henson at 377-7697 or at 618-920-3515 for inspection. (24 Hour Notice) Inspection shall be made in three steps:

1. Temporary Services
2. Rough Wiring before drywall is applied
3. Electrical Service Inspection.
4. Final Inspection

PLUMBING INSPECTOR: Call Greg Fowler at 377-7697 or at 618-910-2263 for inspection (24 Hour Notice)

1. When rough plumbing is finished, before floor is poured.
2. Rough plumbing in walls before drywall.
3. When all fixtures are installed.
4. After Gas Line is made up
5. Sewer and Backwater Valve Inspection

MECHANICAL INSPECTOR: Call The Building Inspector at 377-7697 (24 Hour Notice)

1. Before drywall is applied.
2. After all duct on forced air systems are complete. Before any heating, ventilation and air conditioning system is covered.
3. After furnace is complete and operable. Ordinance No. 2002-03, February of 2002.

NOTE: ALL CONSTRUCTION WASTE MUST BE REMOVED FROM JOB SITE, NO BURYING OR BURNING IS PERMITTED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR/BUILDER, TO HAVE AN APPROVED-ON SITE ROLLOFF DUMP FOR CONSTRUCTION WASTE.

ANY AND ALL PERMITS MUST BE KEPT IN A SEALED PVC PIPE ATTACHED TO EITHER A U-CHANNEL SIGN POST OR SQUARE SIGNPOST ON SITE FOR ACCESS TO THE INSPECTORS. FAILURE TO COMPLY WILL RESULT IN THE BUILDING PERMIT TO BE VOIDED AND YOU MUST REAPPLY FOR THE PERMIT.

GENERAL INFORMATION

- All work shall be done in accordance with the adopted version of the Village of Bethalto Electrical Code
- All work shall be done in a neat and workman like manner
- All electrical services shall be grounded by means of a copper ground rod minimum 8ft by 5/8th
- No water pipe grounds are permitted to be used as a ground.
- Grounding bridge is required
- All electrical services must use galvanized rigid steel conduit
- Duplexes' Condo's multi-unit complexes and apartment complexes shall have independent outside disconnects
 - All underground services. shall be rigid galvanized steel on the load side of the meter base o
 - The service entrance may be PVC as long as it meets Ameren IP/Southwest Electric Company Specifications
- All electrical circuits are to be a minimum of #12 ga. copper, and grounds are required
- #14 gauge is prohibited
- Aluminum wire not allowed

RESIDENTIAL NEW AND SERVICE UPGRADES

- Where subject to physical damage, Romex wiring shall be protected
- Smoke detectors
 - ✓ Smoke detectors shall be 120 volts with battery backup, all detectors must be interlocked
 - ✓ Smoke detectors must be installed in the following locations: one in each bedroom, one in the common area on each level
 - ✓ Carbon Monoxide detectors must be installed in the following locations: one on each level within 15ft of bedrooms and at least 15 ft. away from gas appliances
- Electrical circuit requirements, the following must have its own circuit
 - ✓ Microwave (Single outlet) Dishwasher (single outlet w/appliance cord)
 - ✓ Refrigerator (single outlet) Garbage Disposal (single outlet)
 - ✓ Sump Pump (single outlet) Ejector Pump (single outlet)
 - ✓ Furnace Bathroom must have one clean GFCI circuit
 - ✓ Wash Machine (single outlet)

Two electrical circuits per circuit in the kitchen area
- Residential dwellings shall have the following exterior outlets, all exterior outlets must be GFCI protected
 - ✓ One outlet in the front of the dwelling and in the rear of the residence
 - ✓ One outlet within 25 ft of the air conditioner condensing unit
 - ✓ One outlet inside deck or balcony
- All bedrooms must be Arc Fault Circuit Interrupter protected.
- All kitchens, bathrooms, garages, whirlpool / Jacuzzi tubs, crawl spaces and outside receptacles shall have GFCI protection.
 - ✓ Exempt are dedicated sump pump outlets
- All drops in basement must be encased in conduit
- Storage equipment, attics, crawl spaces shall have at least one lighting outlet
- All bedrooms must have ceiling fan rated boxes installed and any other location where a ceiling fan could be installed.
- Electric panels shall not be installed in the hallways, bathrooms, bedrooms, closets, and kitchens
- Receptacle spacing no more than 6ft horizontally between receptacles
- Staples shall not exceed 4 ½ feet and 12 inches of every outlet box
- Stoves and dryer outlets must utilize 4 wire devices. NO EXCEPTIONS

APPLICATION REQUIREMENTS

- I. A Site Plan showing compliance with all applicable set back and yard requirements.
- II. Licensed plumbers name and Illinois license number.
- III. Licensed roofers name and Illinois license number.
- IV. Licensed architect name and Illinois license or seal number will be provided when applicable.
- V. A copy of Roof Truss Designs and Specification.
- VI. A copy of the specification sheet for the backflow prevention valve.
- VII. Floor plan design if using engineered flooring systems/must not have spans exceeding 19ft.
- VIII. Plans must show elevations to the subdivision plat and final elevations and plans must be 24X36, also must show plans for Radon Mitigation.

GENERAL APPLICATION REQUIREMENTS

A building permit application must be completed by including information regarding the proposed project. Some of the information required includes the following: permanent parcel I.D. number; owner's name, address and phone number; contractor's name, address and phone number; license number for plumber, and roofing contractor; name of the utility company. Building Permits in the Village of Bethalto expire 18 months after they are issued.

A plot plan must be provided indicating the precise dimensions of the property and the approximate location of existing structures and proposed structures. It is the owner's responsibility to verify exact property lines during construction to assure that setback requirements are met. The drawing must be made to scale.

HOURS OF OPERATION

Our office hours are from 9:00 a.m. to 4:30 p.m. Building permit applications and zoning applications are accepted between the hours of 9:00 a.m. and 4:30 p.m., Monday through Friday.

GENERAL BUILDING REQUIREMENTS

1. BUILDING CODE

Village of Bethalto has adopted the following codes for Residential Structures:

- INTERNATIONAL BUILDING CODE 2018 EDITION
- INTERNATIONAL RESIDENTIAL BUILDING CODE 2018 EDITION
- INTERNATIONAL FIRE CODE 2018 EDITION
- INTERNATIONAL FUEL GAS CODE 2018 EDITION.
- INTERNATIONAL MECHANICAL CODE 2018 EDITION
- INTERNATIONAL PROPERTY MAINTENANCE CODE 2018 EDITION
- NFPA 101 LIFE SAFETY CODE 2018 EDITION
- NFPA 70 NATIONAL ELECTRICAL CODE 2017 EDITION
- ILLINOIS PLUMBING CODE 2014
- ILLINOIS ACCESSIBILITY CODE 1997
- ILCS SECTION 422.160 RADON MITIGATION STANDARD FOR NEW RESIDENTIAL CONSTRUCTION
- SOUND DEADENING WALL DETAIL AND OTHER REQUIREMENTS FOR ATTAINMENT OF SOUND TRANSMISSIONS CLASS (STC) RATING OF 57 OR GREATER

The codes, as well as all of their referenced supplemental codes shall be utilized for all building in addition to the requirements set forth in this document.

2. PLUMBING CODE

The 2014 edition of the Illinois State Plumbing Code, in its entirety, is the code that Village of Bethalto uses which sets forth the criteria for the installation of all plumbing. All plumbing must be installed by an Illinois licensed plumber, working under the supervision of an Illinois licensed plumbing contractor. All plumbing in residential and commercial/industrial construction must be inspected by the Village of Bethalto plumbing inspector. All Homes that equal or exceed 30 water supply fixtures for a supply system with flush tanks shall have a 1" water meter. See Load Value Chart for detailed information on fixtures.

3. ELECTRICAL CODES

All wiring in the building must conform to the National Electrical Code of 2014

All electrical in residential and commercial / industrial construction must be inspected by the Village of Bethalto electrical inspector. See electrical service chart for more information.

4. ROOFING

All roofing must be adhered to 2015 IRC.

A licensed certified roofing contractor, licensed with the State of Illinois, will be required unless the owner will be installing the roof himself/herself.

5. STAIRWELL OPENINGS PROTECTION DURING CONSTRUCTION

All open stairwells, or other openings where a safety hazard exists, must be protected during construction, i.e. handrails, etc.

6. LIFE SAFETY

SMOKE DETECTORS

Illinois State law exists requiring smoke detectors be installed in all types of housing units. In addition, smoke detectors are now required in each bedroom, and one outside of every bedroom within 15' of the means of egress for residential dwellings. The detectors must be hard wired to a power source with a battery backup.

CARBON MONOXIDE DETECTORS

The State of Illinois law requires carbon monoxide detectors in residential structures with natural gas service. The detectors are required within 15' of each area used for sleeping; the se detectors may be combination detectors, as long as they emit a different alarm from the smoke detector. Carbon monoxide detectors must be installed within 15ft of all gas appliances. One carbon monoxide detector is required on each level of the structure.

7. BASEMENT WINDOWS/EMERGENCY ESCAPE AND RESCUE OPENINGS

Basements with habitable space and every sleeping room shall have at least one openable emergency escape and rescue opening. Where basements contain one or more sleeping rooms, emergency egress and rescue openings shall be required in such sleeping room, but shall not be required in adjoining areas of the basement. Where emergency escape and rescue openings are provided, they shall have a still height of not more than 44 inches (1118 mm) above the floor. Where a door opening having a threshold below the adjacent ground elevation serves as an emergency escape and rescue opening and is provided with a bulkhead enclosure, the bulkhead enclosure shall comply with Section 310.3. The net clear opening dimensions required by this section shall be obtained by the normal operation of the emergency escape and rescue opening from the inside. Emergency escape and rescue opening from the inside. Emergency escape and rescue openings with a finish still height below the adjacent ground elevation shall be provided with a window well in accordance with Section R310.2

1. **Minimum opening area.** All emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet (0.530 m²). The exceptions are a grade floor opening shall have a minimum net clear opening of 5 square feet (0.465 m²).
2. **Minimum opening height.** The minimum net clear opening height shall be 20 inches (508 mm).
3. **Minimum opening width.** The minimum net clear opening width shall be 20 inches (508 mm).
4. **Operational constraints.** Emergency escape and rescue openings shall be operational from the inside of the room without the use of keys or tools.
5. **Window wells.** The minimum horizontal area of the window well shall be 9 square feet (0.84 m²), with a minimum horizontal projection and width of 36 inches (914 mm). The area of the window well shall allow the emergency escape and rescue opening to be fully opened. The exception is the ladder or steps required shall be permitted to encroach a maximum of 6 inches (152 mm) into the required dimensions of the window, well.
6. **Ladder and steps.** Window wells with a vertical depth greater than 44 inches (1118 mm) shall be equipped with a permanently affixed ladder or steps usable with the window in the fully open position. Ladders or steps required by this section shall not be required to comply with Sections R311.5 and R311.6. Ladders or rungs shall have an inside width of at least 12 inches (305 mm), shall project at least 3 inches (76 mm) from the wall and shall be spaced not more than 18 inches (457 mm) on center vertically for the full height of the window well.
7. **Bulkhead enclosures.** Bulkhead enclosures shall provide direct access to the basement. The bulkhead enclosure with the door panels in the fully open position shall provide the minimum net clear opening required by Section R310.1.1. Bulkhead enclosures shall also comply with Section R311.5.8.2.
8. **Bars, grills, covers, screens.** Bars, grills, covers, screens or similar devices are permitted to be placed over emergency escape and rescue openings, bulkhead enclosures, or window wells that serve such openings, provided the minimum net clear opening size complies with Sections R310.1.1. to R310.1.3, and such devices shall be releasable or removable from the inside without the use of a key, tool or force greater than that which is required for normal operation of the escape and rescue opening.

8. HOUSES WITH DECKS.

Any house that is constructed with an opening for a door that leads to a deck; the deck must be constructed and approved. The opening cannot be put in with any deck. This is required to receive the certificate of occupancy.

9. EROSION CONTROL

The Village of Bethalto has adopted a storm water and erosion control ordinance. All applicants of a building permit must demonstrate that the regulations for erosion control are met.

10. BUILDING PERMIT POSTING ON PREMISES

Once the Village of Bethalto approves and issues the building permit, the permit will be issued to the contractor / agent who filled out the permit. The permit contains permit number, location of project and it contains an inspector checklist. During each inspection, the inspector will sign off on the inspection.

ALL INSPECTIONS MUST BE COMPLETED PRIOR TO THE FINAL BUILDING INSPECTION.

After the final inspection, the building inspector will take the permit card with them, and then a certificate of occupancy will be issued.

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11. WATER METERS

All water meter tap on fees and sanitary sewer tap on fees shall be paid in advance at the Bethalto Water Department at 101 South Prairie St. 618-377-8013

12. OTHER REQUIREMENTS

Each permit must include the following prior to having a permit issued:

- ✓ Soil and Erosion Control Plans

DETAILED PLUMBING INFORMATION

All homes that equal or exceed 30 water supply fixture units for a supply system with flush tanks shall have a 1" water meter.

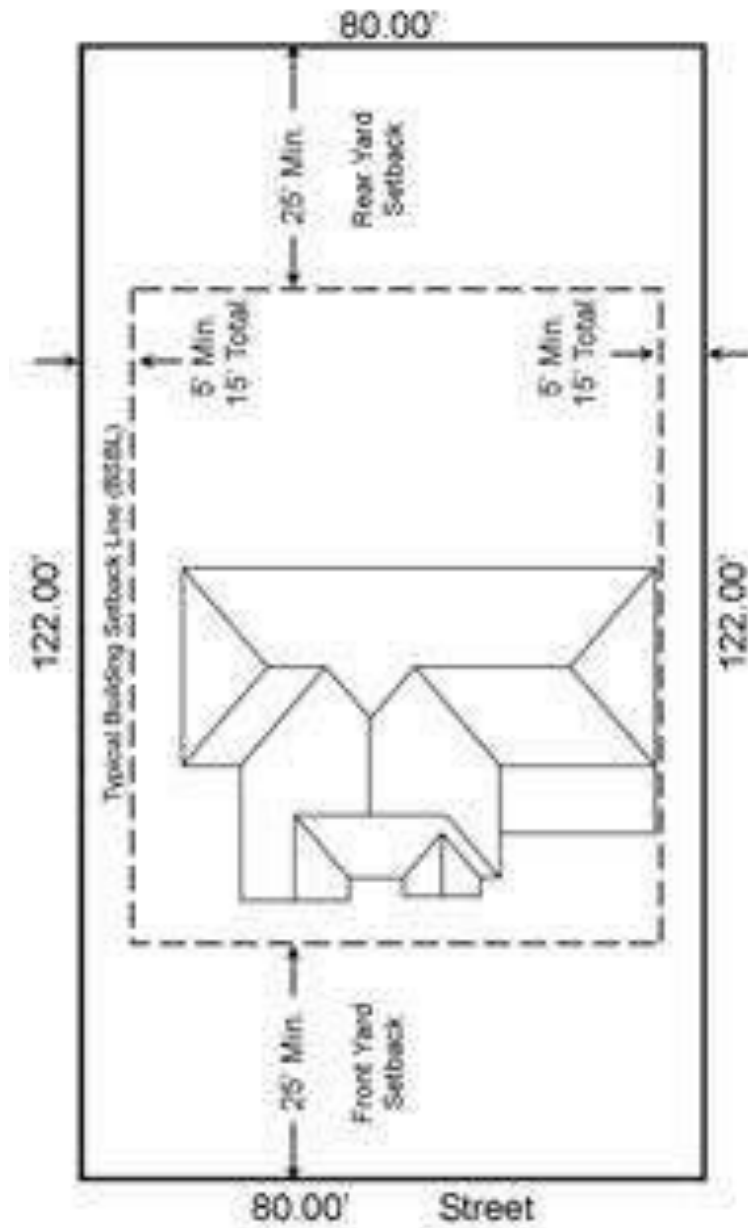
LOAD VALUE ASSIGNED TO FIXTURES

<u>FIXTURE</u>	<u>OCCUPANCY</u>	<u>TYPE OF SUPPLY CONTROL</u>	<u>LOAD VALUES IN WATER SUPPLY FIXTURE UNITS</u>		
			<u>COLD</u>	<u>HOT</u>	<u>TOTAL</u>
Water closet	PRIVATE	Flush Valve	6	0	6
Water closet	PRIVATE	Flush Tank	3	0	3
Lavatory	PRIVATE	Faucet	0.75	0.75	1
Bathtub	PRIVATE	Faucet	1.5	1.5	2
Shower stall	PRIVATE	Mixing valve	1.5	1.5	2
Kitchen sink	PRIVATE	Faucet	1.5	1.5	2
Landry trays 1-3	PRIVATE	Faucet	2.25	2.25	3
Combination fixture	PRIVATE	Automatic	2.25	2.25	3
Dishwashing machine	PRIVATE	Automatic	0	1	1
Laundry machine 8lb	PRIVATE	Automatic	1.5	1.5	1.5
Laundry machine 8lb	PUBLIC/GENERAL	Automatic	2.25	2.25	3
Laundry machine 16lb	PUBLIC/GENERAL	Automatic	3	3	4
Sill cock	PUBLIC/GENERAL	Faucet	5	0	5

For fixtures not listed, loads shall be assumed by comparing the fixtures to one listed, using water in similar quantities at similar rates. The assigned loads for fixtures with both cold and hot water supplies are given for separate cold and hot water supplies are given for separate cold and hot loads and for total load.

EXAMPLE OF A TYPICAL SITE PLAN

**OWNER/CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF PROPERTY LINES.
SITE PLAN MUST INCLUDE MEASUREMENTS/DIMENSIONS OF ALL STRUCTURE RELEVANT TO THE APPLICATION FOR
ANY CITY ISSUED PERMIT.**



MINIMUM SPECIFICATION SHEET
BETHALTO BUILDING & ZONING DEPARTMENT

INTERNATIONAL RESIDENTIAL CODE 2015: ORDINANCE 2005-08. (REVISED 05/05)

FOUNDATION: WATER PROOFING.

FOUNDATION FROST LINE DEPTH.

MINIMUM 32" PLUS FOOTINGS; 30" GARAGE.

ANCHOR BOLT: 1/2"Ø AT 4'-0" CENTERS. MINIMUM 2 PER EACH LENGTH OF PLATE.

TERMITE SHIELD: BORATE TREATED LUMBER ON TOP OF METAL AND SILL SEALER.

PLATE: 2" x 4" or 2" x 6" BORATE TREATED LUMBER WITH ALL CONTACT TO CONCRETE.

FLOOR JOIST BRIDGING or CONSTRUCTION ADHESIVE.

FLOOR JOISTS: MAXIMUM SPANS ARE AS SHOWN UNLESS STRESS RATED MATERIAL IS USED. CHECK ONE THAT APPLIES.

() 2x8 (UP TO 10' SPAN) () 2x10 (10' - 14' SPAN) () 2x12 (14' TO 16' SPAN)

SUB FLOOR: 1/2" PLYWOOD MINIMUM

FINISH FLOOR: 3/4" IN OTHER ROOMS OR EQUAL PLYWOOD IN KITCHEN & BATH OR EQUAL

WALL BOXING: 1/2" FIBER BOARD & PLYWOOD CORNER & GABLE OR EQUAL

WALL STUDS: 2x4 AT 16" CENTERS

CEILING FINISH: 1/2" DRYWALL ON 16" CENTERS, 5/8" FIRE CODE DRYWALL ON CEILING W/ 24" CENTERS.

INTERIOR WALL: 1/2" DRYWALL EXCEPT WALL BETWEEN GARAGE AND HOUSE WHICH IS 5/8" FIRECODE ON BOTH SIDES.

ATTIC ACCESS: 22" x 32"

CEILING JOISTS: 2x6 AT 16" CENTERS

ROOF RAFTERS: CONVENTIONAL FRAMING - 16" CENTERS. 2x6 or 2x4 MANUFACTURED TRUSSES AT 24" O.C.

SHEATHING PAPER: FELT 15# MINIMUM

ROOF SLOPE: 3:12 MIN. (LESS THAN 3:12 SEE INSPECTOR)

ROOF SHEATHING: 1/2" PLYWOOD OR EQUAL

ROOF COVERING: FIBERGLASS / ASPHALT SHINGLES. UL CLASS A-MIN. 235# OR EQUAL

STRUCTURAL EXTERIOR: PORCHES & DECKS USE ACQ PRESERVED WOOD WITH MANUFACTURER RECOMMENDED FASTENERS.

