

UNION COUNTY PLAN REVIEW CHECKLIST

Note: Provide manufacturer data or engineered products at inspection: ie Microlams; 1 joists, etc

Code References: 2019 Residential Code of Ohio: For Mechanical, Gas, Fireplace, Structural 2018 International Energy Conservation Code or Chapter 11 of RCO 2023 National Electric Code (NEC)	Complies	Does not comply	Insufficient information	Revised plan requested	Revised plan or letter requested	Not applicable	Any item marked under the Insufficient information column indicates the plans are not detailed enough to verify compliance for that referenced code item. Owner or owners agent has the option of submitting additional information for review and approval -or- not submitting and having the work field inspected for code compliance.	FEE INFORMATION
Address:								
Application or Permit No: _____ Date: _____ Reviewer: _____								
106.1.3(2) Site Plan/ Provide Elevation Certificate @ Foundation Wall Inspector							TOP OF WALL	
2018 IECC Energy Efficiency Chapter 11 or Equal Cht 1105 / OHBA option							blower door required, certificate must be on site @ Final inspection	
311.7 Stairways, rise, width, run and headroom (dimensioned)								
311.7.8 Handrails and guardrails								
301.2.1.1 Design criteria on plans								
303 Light and Ventilation Schedule								
308.4 Hazardous glazing and locations								
302.5 Attached garage fire separation, 5/8 ty X ceiling, 1/2 walls & support								
310.1 Bedroom emergency egress locations and sizes								
311 Egress doors and hallways								
314 (315) Smoke and Carbon Monoxide detector requirements							314.3.1/ 315.2 Alterations, Additions and Repairs	
316 Foam plastic separation								
302.3 Multiple dwelling unit fire separation								1st Floor Sq. Ft.
404.1-404.2 Soil type shown with house location on lot								2nd Floor Sq Ft.
401.4 A soils bearing capacity of 1500 PSF will be assumed							or submit 2 copies of a soils report verifying a higher capacity used	3rd Floor Sq. Ft.
403 Footing and pier pad size locations with sizes, reinforcing							Post Framed Table 324.3 (403.1 for structures and 403.4 Decks)	Basement Sq. Ft. Finished
403.1.6 Foundation bolts							½"x7" min. embedment, 6' OC, 12" from corners, 2 per plank	Basement Sq. Ft. Unfinished
Fig 403.3 Walk-out, slab on grade or bearing slabs require inspection								Crawl Space Sq. Ft.
404 Foundation wall sizes and reinforcement Horizontal Bars 404.1.2.1							90 PCF or CH Soils types require an engineered reinforcing design	Total Conditioned
405/406 Foundation drainage & dampproofing or waterproofing							filter membrane required	Garage Sq. Ft.
408.1-6 Crawlspace ventilation/Access								Total Sq. Ft.
501.2 Bearing for all structural loads (Ref. 301)								Deck/Porch
502.3 1st and 2nd Floor Joists and (Decks 502.2.2)-Spans								Total sq ft w/deck
302.13 Protection of floor Joist 302.13								
502.5 (1) Tables 502.3.4; beams & headers in crawlspace & bsmt							Provide strand or LVL data	No Masonry Fireplaces
407.3 Table 502.3.4 basement or crawlspace columns & piers								No Prefab or Gas Fireplaces
506 Concrete slabs in Basement, Garages & Habitable space							Garage Floors to slope to a drain or Over Head Door	
602 1st floor walls (602.3.1)								Gas Line Test Fee
602.7(1) 1st floor headers and beams								
602 2nd floor walls								Temp. service
602.7(1) 2nd floor headers and beams								GENERATOR
602.8 Fire Stopping Ref. 302.11.1 (Fire Sprinkler System 313)							Res. Fire Sprinklers - Design Required Ref. Chapter 44	SERVICE SIZE
602.10 Wall bracing							Detail on the plans all panel sizes, locations and anchoring method	
CH. 7 Brick veneer and flashing weepholes								
802 Roof beams, hips , valleys, ridges showing sizing								
802.4 Rafter ties, joists not perpendicular to rafters								
802.4(1) T Ceiling joist spans								
802.4.1 (1) Roof rafter spans								
802.4.5 Roof purlins								
802.10 Trusses (Roof tie downs 802.11)							Truss layout with BCSI/TPI permanent bracing details	
905.2.7 Ice Shield Shown Table R301, over condition areas							Required in Union County	(Truss Drawings to be on site)
803.2.3 Roof sheathing clips								
806/807.1 Attic ventilation and/or attic access								
1001 Masonry Fireplaces								
1003 Masonry Chimneys								
1004 & 5 Factory-Built Fireplaces							Install per manufacturer's specifications.Provide installation instructions at inspectons	

UNION COUNTY MECHANICAL /ELECTRICAL PLAN REVIEW CHECKLIST							
Code References as noted 2019 RCO 2023NEC 2018 IFGC		Complies	Does not comply	Insufficient informati	Revised plan requested	Revised plan or letter requested	Not applicable
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2019 RCO	MECHANICAL						
1401.3	ACCA Manual J and S are required & list Designer						Installations in a Flood Zone (per 322.1.6)
1601.1	Manual D & list Designer						
1304.1	Fuel type						Nat Gas Propane Electric Other
IFGC 406.4	Gas Line Pressure Test						Minimum 3 PSI Air Test (10 Minutes) on Completed System
IFGC 401.1	Gas Line Diagram w/pipe sizes & lengths						If no gas line drawing was submitted with plans then 1" blk pipe w/1/2 appliance drops will be assumed
IFGC 410	Location of meter & regulators						
106.1.1 (8)	Appliance locations						
Manual J	Appliance sizes						Provide Actual HVAC Unit Sizes to be Installed
1503-1507	Exhaust systems shown w/sizing						
106.1.3(8)	One Line diagram of duct system and their sizes						For Each Habitable Floor and Conditioned Basement and crawlspace
Chapter 16	Duct materials identified						
Chapter 17	Combustion Air (Solid Fuel Burning Appliances)						(Oil Fired Appliances NFPA 31) (Gas Fired Appliances 2407)
Chapter 21	Hydraulic pipeTest 2103.2 and (Geothermal Units 2501.1)						Minimum of 100 psi Air Test on Geothermal Closed Loop System(30 minutes)
1502.4.4.1	Clothes dryer exhaust length & fittings						1502.4.4.2 manufacturers installation guides for max. allowable vent lengths
1305.1.1	Working clearance for equipment						
Chapter 18	Appliance venting sizes & lengths						
2023 NEC	Electrical						
210.11, 220, 408.4	Panel schedule new home addition other						
Fig 230.1	Service one line diagram						230.85 Emergency Disconnects. For one- and two- family dwellings units
210.8	*Required GFCI Protection *Residential New						See 2019 RCO for Exceptions
210.12	*Required Arc Fault Protection *Residential New						
RCO 303.6, 210.70	Required 3-way switches, switched						
RCO 303.6, 210.70	Lighting outlets, exterior lights, interior & exterior stair lighting						
210.52 , 210.63	Required interior receptacle interior/exterior						
410.8	Installed, closet light clearances if applicable						All electrical references listed shall be addressed on your plans
230.24	Overhead service clearances if applicable						and in details
300.5	Underground service wire installations						All electrical installations shall meet the 2023 NEC minimum code standards
250.104	Interior metal piping bonding						
250.52-A.3	Concrete Encased Electrode or UFER Ground						If Using 20 ft or more of Continuous Footing Reinforcing Rebar
110.26	Working clearances for electric equipment						
406.9	Weather Resistant type noted exterior						
406.12	Tamper Resistant type receptacles noted						
430	Well pump wiring one line diagram if applicable						
310	Wire sizes						
110.8, 310	Wire types						
Appendix F	Radon Mitigation required in all new 1,2,3 family homes						Industrialized Units, Manufactured Homes and relocated homes of closed
Eff. Jan1st 2015	and R-3 Res. Occupancies using the 2019 RCO						construction are exempt
revised 8/9/2024	building/planreviewchecklist/2019ResidentialPlanReviewChecklist2						