

TEXAS DEPARTMENT OF LICENSING AND REGULATION COMPLIANCE DIVISION – INDUSTRIALIZED HOUSING AND BUILDINGS

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Residential Site Inspection Checklist for Industrialized Housing Energy, Mechanical, Plumbing, Gas, and Electrical Work Performed at the Installation Site

This checklist is a guide to items involving code compliance of the energy, mechanical, plumbing, gas, and electrical work that needs to be checked during a residential site inspection but does not necessarily constitute a complete list of items to be checked. The checklist provides minimum check points for work performed at the installation site; however, not all check points may be applicable. The inspector shall also check to assure that construction performed on site does not result in non-compliance of construction completed in the manufacturing facility. Note: NA = Not applicable

inat	Industrialized builder's name & reg #:						
Texas Decal or Insignia Number(s):							
Manufacturer's Serial or ID Number(s):							
Ov	vner's	Name	and Ad	ldress:			
Ins	stallati	on Ad	dress:				
				al Code (2003 edition); IECC = International Energy Conservation Code (2003 edition); NEC = National Electrical Code r 70 rules governing Industrialized Housing and Buildings			
NA	Meets YES NO		Item #	Check Point			
			1	HVAC work performed by a person or persons licensed to perform this work as required by applicable state law: Name and license #:			
			2	Plumbing work performed by a person or persons licensed to perform this work as required by applicable state law: Name and license #:			
			3	Electrical work performed by a person or persons licensed to perform this work as required by applicable state law: Name and license #:			
				ENERGY			
			E-1	IRC N1102.1.11 – Air leakage: Sealing of joints, seams, and penetrations			
			E-2	IRC N1103, IRC Table N1103.2, IECC 503.2, and IECC Table 503.2 – Mechanical equipment efficiency			
			E-3	IRC N1103 and IECC 503.2 – Mechanical equipment installed in accordance with equipment manufacturer's instructions			
			E-4	IRC N1104, IRC Table 1104.1, IECC 504.2.1, and IECC 504.2.1 – Water heater efficiency			
			E-5	IRC N1103.3, IRC M1601.2, IRC M1601.3.4, and IECC 503.3.3.3 – Duct insulation			
			E-6	IRC N1103.4 and IECC 503.3.4.3 – Sealing of joints and seams in ducts			
			E-7	IECC 504.7 – Heat traps on water heaters			
				MECHANICAL			
			M-1	Equipment and appliances meet requirements of manufacturer's approved details or unique engineered design			
			M-2	IRC M1303 and IRC M1304 – Labeling and type of fuel for mechanical equipment			
			M-3	IRC M1305 and IRC M1401.2 – Access for appliances and heating and cooling equipment			
			M-4	IRC M1306 – Clearances for appliances			
			M-5	IRC M1307 and IRC M1401.1 - Installation conforms to the conditions of their listing and the appliance manufacturer's installation instructions. Operating and installation instructions attached to the appliance			
			M-6	IRC M1401.4 – Equipment installed outdoors listed and labeled for outdoor installation			
			M-7	IRC M1601.1.1 – Above-ground duct systems			
			M-8	IRC M1601.2 - Factory-made ducts or duct material			
			M-9	IRC M1601.3 – Duct installation			
			M-10	IRC M1601.3.2 – Duct support			
\neg		$\neg \neg$	M-11	IDC M1601.3.5 Eactory made air duete not installed in or on ground			

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IRC = International Residential Code (2003 edition); IECC = International Energy Conservation Code (2003 edition); NEC = National Electrical Code (2002 edition); Rule = Chapter 70 rules governing Industrialized Housing and Buildings

NA	Med YES	Meets YES NO		Check Point	
	120	110		MECHANICAL (Continued)	
			M-12	IRC M1601.3.6 – Duct separation from earth	
			M-13	IRC M2005.1 – Water heating equipment is installed in accordance with the equipment manufacturer's instructions	
			M-14	IRC M2005.2 – Prohibited locations for water heaters	
				PLUMBING	
			P-1	Plumbing meets requirements of manufacturer's approved details or unique engineered design	
			P-2	IRC P2603.1 – Protection against physical damage	
			P-3	IRC P2603.3 – Pipes protected from breakage and corrosion	
			P-4	IRC P2603.5 – Pipes through footings or foundation walls	
			P-5	IRC P2603.6 – Pipes protected from freezing	
			P-6	IRC P2604.4 and IRC Figure P2604.4 – Trenching and backfilling	
			P-7	IRC P2605 and IRC Table 2605.1 – Piping support	
			P-8	IRC P2608 - Pipes, pipe fittings, traps, etc are listed, installed, and certified	
			P-9	IRC P2803.6.1 – Discharge pipe of water heater relief valves	
			P-10	IRC P2902.3.3 – Hose connections	
			P-11	IRC P2903.9.1 – Service valves	
			P-12	IRC P2903.9.3 – Valve requirements	
			P-13	IRC P2904.2 – Lead content	
			P-14	IRC P2904.4, IRC Table P2904.4.1 – Standards for water service pipe	
			P-15	IRC P2904.4.1 – Water service installation	
			P-16	IRC P2904.5 and IRC Table P2904.5 – Standards for water-distribution pipe	
			P-17	IRC P2904.6 through IRC P2904.17 – Pipe fittings and connections	
			P-18	IRC P3001.2 – Protection from freezing	
			P-19	IRC P3002, IRC Table P3002.1, IRC Table P3002.2 – DWV materials	
			P-20	IRC P3003 – DWV joints and connections	
			P-21	IRC P3005.1 – Drainage fittings and connections	
			P-22	IRC P3005.2.1 – Drainage pipe cleanouts	
			P-23	IRC P3005.3 – Horizontal drainage piping slope	
			P-24	IRC P2503.5.2 and P2503.6 through P2503.8 - Testing	
				GAS	
			G-1	Gas piping in accordance with approved details or unique engineered details	
			G-2	IRC G2404.3 – Appliances listed and labeled	
			G-3	IRC G2404.6 – Wind resistance	
			G-4	IRC G2406.3 – Outdoor locations	
			G-5	IRC G2408.1 – Equipment and appliances installed in accordance with listing, manufacturer's installation instructions and code	
			G-6	IRC G2408.2 – Elevation of ignition source	
			G-7	IRC G2408.4 – Clearances from grade	
			G-8	IRC G2408.5 – Clearances to combustible construction	
			G-9	IRC G2414 – Piping materials	
			G-10	IRC G2415.3 – Piping in concealed locations	
$\overline{}$	$\overline{\Box}$		G-11	IRC G2415.4 – Piping through foundation walls	

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NA	Mee YES	ets NO	Item #	Check Point				
				GAS (Continued)				
			G-12	IRC G2415.8 – Protection against corrosion				
			G-13	IRC G2418 – Piping support				
			G-14	IRC G2419 – Drips and sloped piping				
			G-15	IRC G2420 – Gas shutoff valves				
			G-16	IRC G2424 – Piping support intervals				
			G-17	IRC G2417 – Inspection, testing, and purging				
				ELECTRICAL				
			EL-1	Electrical in accordance with approved details or unique engineered design				
			EL-2	NEC 230.9 and IRC E3504 – Service entrance clearance				
			EL-3	NEC 230.24 and IRC E3504.2 – Service entrance vertical clearance				
			EL-4	NEC 230, Part IV and IRC E3505 – Service entrance conductors				
			EL-5	NEC 230.23(c) and IRC E3507 – System service grounding				
			EL-6	NEC 250.53 and IRC E3510 – Grounding electrode connectors				
			EL-7	NEC 408.4 and IRC E3606.2 – Panel board circuit identification				
			EL-8	NEC 300.4, NEC 300.11, IRC E3702, and IRC Table E3702.1– Support and protection of cables and raceways				
			EL-9	NEC 300.5 and IRC E3703.2 – Underground installation requirements				
			EL-10	NEC 440.14, NEC 440.21, and IRC E3801.11 – Disconnecting means/outlets for servicing of HVAC equipment				
			EL-11	NEC 314.4 and IRC E3805.2 – Metal box grounding				
			EL-12	NEC 426.54 and IRC E4001.7 – Snow-melting and deicing equipment protection				
			EL-13	NEC 314.29 – Boxes and conduit bodies to be accessible				
Not	es, spe	ecial co	onditions	s, unique construction requirements:				
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