

INSPECTIONS FREQUENTLY MISSED ITEMS



**HOUSTON
PUBLIC WORKS**

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HOUSTON PERMITTING CENTER



ENFORCING THE 2021 SIGNIFICANT CODE CHANGES

These changes are referencing the International Energy Conservation Code | IECC

CONTROLLED OUTLETS IN COMMERCIAL BUILDINGS

Codes Adopted
January 1, 2024

Started enforcing
this change in
January 2024

For questions reach out to:

hpcelectricalsection@houstontx.gov

Phone #: 832-394-8860

Request a senior electrical inspector

RESIDENTIAL: OCCUPANCY SENSOR-CONTROLLED SWITCHES OR DIMMER SWITCHES

Codes Adopted
January 1, 2024

Start enforcing projects after
September 1, 2024,
or any projects under the 2015
International Energy Conservation Code

For questions reach out to:
hpcelectricalsection@houstontx.gov
Phone #: 832-394-8860
Request a senior electrical inspector

CASE STUDY FREQUENTLY MISSED ITEM STRUCTURAL

Luke remodeled an addition to a single-family home



FIREWALL

- Fire separation and distance
 - 0 to 3ft
 - 3ft to 5ft
- Existing vs New Construction

STRUCTURAL INSPECTIONS



structural.inspections@houstontx.gov



832-394-8840



<https://bit.ly/3LImjvt>

Request to speak with Senior
Structural Inspector

For more information regarding Structural Inspections visit us at the Houston Permitting website at:

Scan the QR Code



CASE STUDY FREQUENTLY MISSED ITEM PLUMBING

Ralph's new home



NO TEST

- Rough-In
- Gas
- Sewer

PLUMBING INSPECTIONS



hpcplumbingsection@houstontx.gov



832-394-8870



<https://bit.ly/3C3qutl>

Request to speak with Senior
Plumbing Inspector

For more information regarding
Plumbing Inspections visit us at the
Houston Permitting website at:

Scan the QR Code



CASE STUDY FREQUENTLY MISSED ITEM ELECTRICAL

KeKe new condo

TCI PERMIT FOR POWER

- TCI = Temporary Cut In
- Required for power prior to final inspection

ELECTRICAL INSPECTIONS



hpcelectricalsection@houstontx.gov



832-394-8860



<https://bit.ly/47kAOKH>

Request to speak Senior
Electrical Inspector

For more information regarding Electrical Inspections visit us at the Houston Permitting website at:

Scan the QR Code



CASE STUDY FREQUENTLY MISSED ITEM MECHANICAL

Leia building a duplex



CLEARANCES

- 30 inches of clear area in front of the service panels
- Meet manufacture requirements for condensers, furnaces, and commercial equipment

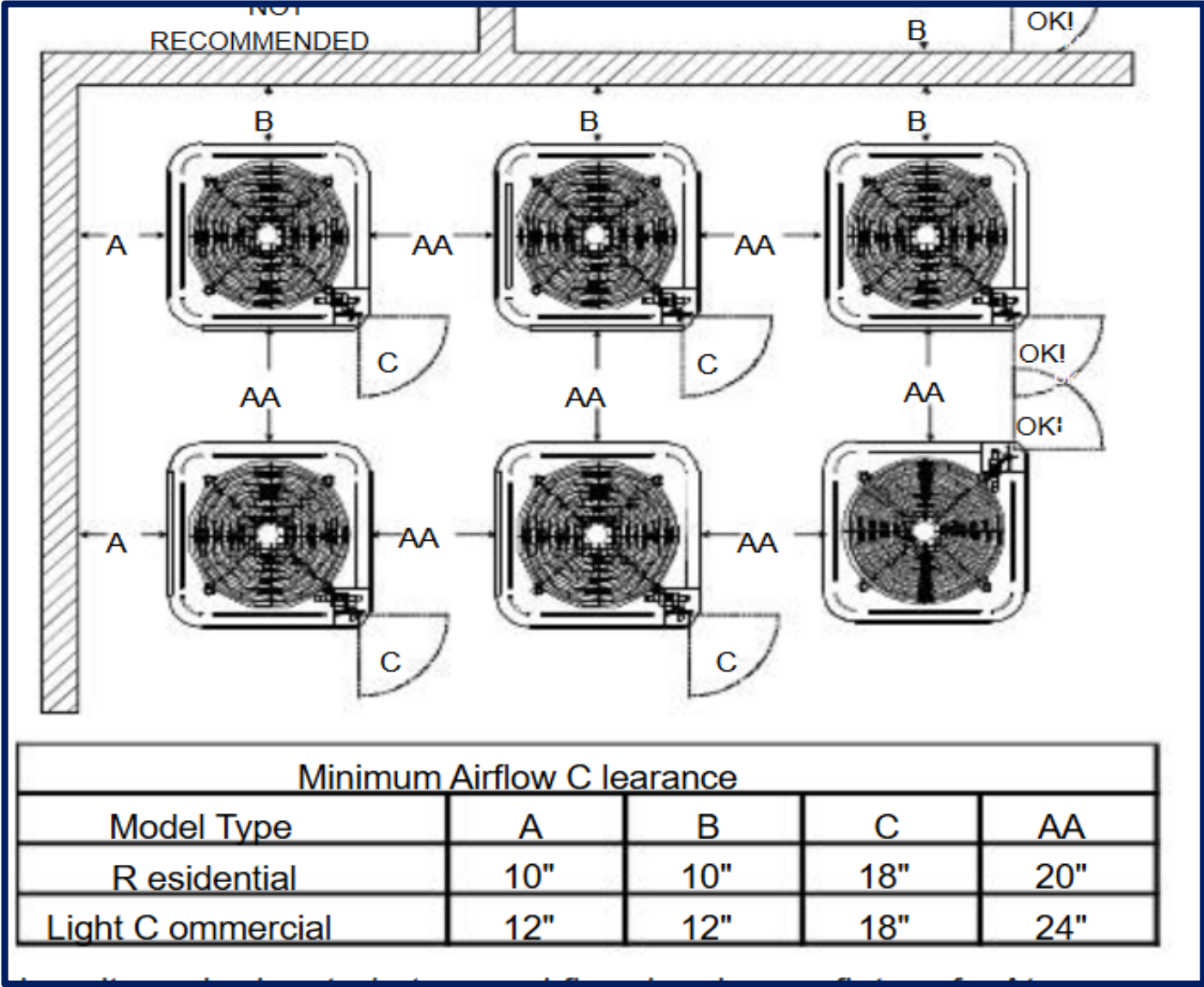
COMMERCIAL CONDENSER EXAMPLE



RESIDENTIAL CONDENSER EXAMPLE



MANUFACTURES CLEARANCES EXAMPLE



MECHANICAL INSPECTIONS



mechanicalsection@houstontx.gov



832-394-8850



<https://bit.ly/46EFU4M>

Request to speak Senior
Mechanical Inspector

For more information regarding Mechanical Inspections visit us at the Houston Permitting website at:

Scan the QR Code



FAQ'S FOR INSPECTIONS

To access the comprehensive list of Frequently Asked Questions: Scan the QR Code below or go to houstonpermittingcenter.org

HOUSTON PUBLIC WORKS		BUILDING CODE ENFORCEMENT FREQUENTLY MISSED INSPECTION ITEMS	
Structural	Electrical	Plumbing	Mechanical
<p>Foundation:</p> <ul style="list-style-type: none"> Beam Size Rebar Size/Stirrup Spacing Corner Bars Splice Lengths Location on Property Form Survey <p>Windstrap:</p> <ul style="list-style-type: none"> Proper Amount of Nails Missing Straps Nailing Pattern on Sheathing Nuts on Anchor Bolts <p>Frame Inspection:</p> <ul style="list-style-type: none"> Wall Bracing Joist Hangers Fire-blocking Draftstops Sealing Penetrations <p>Final:</p> <ul style="list-style-type: none"> Handrail Termination / Return to Wall Safety Glass Posting Address 	<ul style="list-style-type: none"> TCI permit for power prior to final required Change in use or occupancy, Wire to commercial standards w/ Approved Plans Provide approved drawings on job site Electrical service not built in accordance with approved drawings Need fault current calculation Ground service, earth ground, water bond, bond neutral Ground wires undersized Provide main Over Current Protection in panel Secure main in panel Overcurrent protection – too large Ditch too shallow – provide correct burial depth Ditch covered without inspection Walls covered without inspection Ceilings covered without inspection Box fill, conductors exceed allowable box fill 	<ul style="list-style-type: none"> DWV test not complete on wall cover New materials used not listed to standards Wrong materials for the application Foundation poured prior to inspection Wall covered prior to inspection No plans on the job site No testing (rough-in, gas, sewer, etc.) Address is not posted No answer / door locked Plumbing installation not installed per City approved plans Materials are not code compliant Work is covered without inspection Incorrect item count on permit No acid neutralizer installed for discharge condensate from tankless water heaters Hot water heater condensate must terminate in a code approved location 	<ul style="list-style-type: none"> Install fire damper framing as per manufacturer's installation instructions Seal Return Air ducts Provide proper clearance on vent pipe on decorative appliances to combustibles. No approved plans on site. Flexible gas connectors shall not be concealed within or extend through a wall, floor, partition or appliance housing One-hour protection required for duct penetration under stairs. Provide proper service access width and clearance to condensing units. Provide 30" service area and meet manufacturers' clearance for condensing units and furnaces. Extend furnace vent pipe through roof jack. Provide pull down stairway with a 350-pound load capacity and a minimum clearance of 22" across the hardware.

code.development@houston.tx.gov 832.394.9000

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 832.394.9000

 www.houstonpermittingcenter.org

 askHPC@houstontx.gov

QUESTION & ANSWER

You Have Questions, We are here to help !!!



thank you!



HoustonPublicWorks.org

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