

Keeping Informed on Electrical Inspections with DSD

Presenters: Martin Starrett Eric Zimmerman

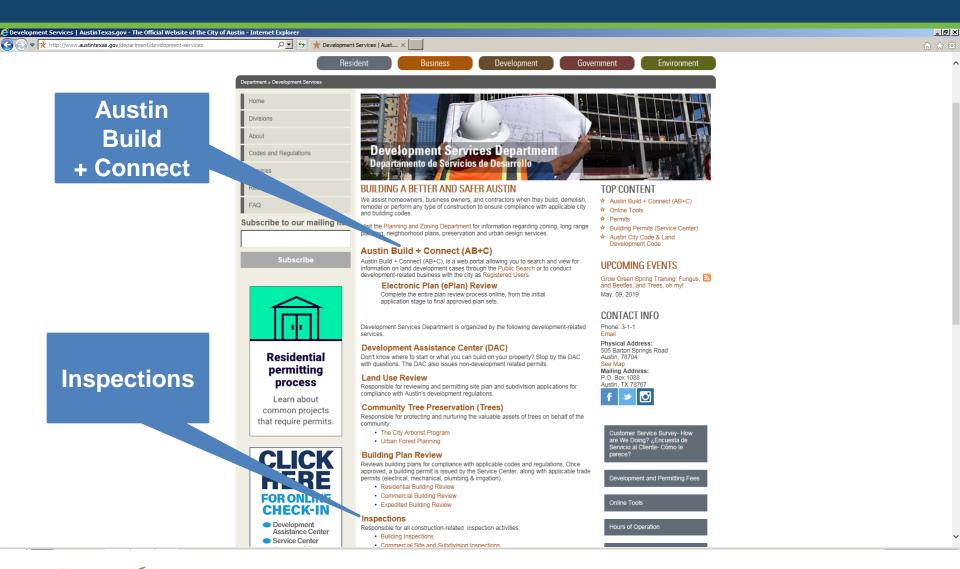
Topics

- 1. Navigating DSD's Website
- 2. Using Austin Build+Connect
- 3. Residential Inspectors and Territories
- 4. Residential Inspections Update
- 5. Commercial Inspectors and Territories
- 6. Commercial Inspections Update
- 7. City Ordinance No. 20170928-094
- 8. Residential Top Ten Deficiencies
- 9. Commercial Top Ten Deficiencies
- 10. Top Ten Tips for a Successful Inspection
- 11. Questions & Answers



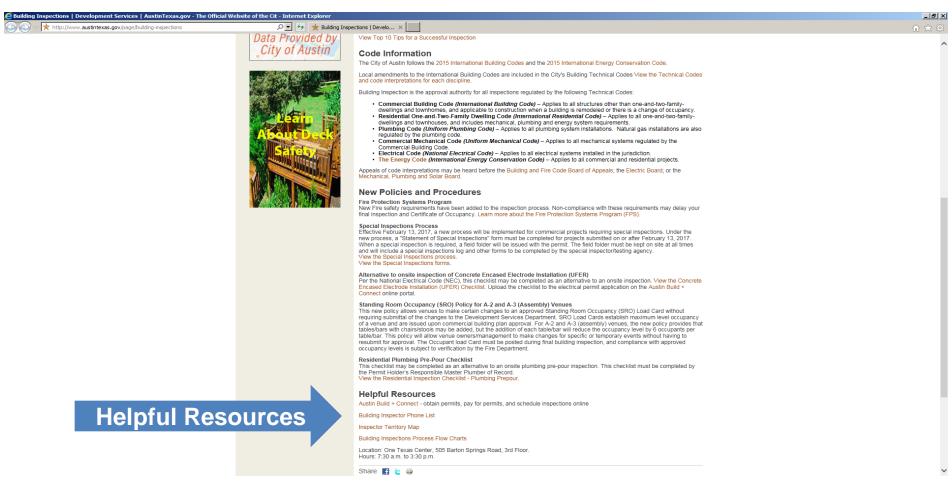








Building Inspections





Building Inspections

Phone List

Helpful Resources

Austin Build + Connect - obtain permits, pay for permits, and schedule inspections online

Building Inspector Phone List

Inspector Territory Map

Territory Map

Building Inspections Process Flow Charts

Location: One Texas Center, 505 Barton Springs Road, 3rd Floor.

Hours: 7:30 a.m. to 3:30 p.m.



Inspector Phone Lists

Charles Ablanedo

charles.ablanedo@austintexas.gov c: 512-665-1581

Commercial Electrical Inspections

Marty Starrett - Supervisor martin.starrett@austintexas.gov o: 512-974-3488 c: 512-228-8387

Alan Anders alan.anders@austintexas.gov c: 512-293-4586

Bruce Crosby bruce.crosby@austintexas.gov c: 512-228-9104

Hyatt Dunn hyatt.dunn@austintexas.gov c: 512-226-3396

James Smith james.smith2@austintexas.gov c: 512-228-6983

Travis Cardwell travis.cardwell@austintexas.gov c: 512-366-0546

Christopher Johnson christopher.johnson3@austintexas.gov c: 512-665-0177

Darrell Bellinghausen darrell.bellinghausen@austintexas.gov c: 512-287-0210

James Epperson james.epperson@austintexas.gov c: 512-264-5371

Stephen Mangum steven.mangum@austintexas.gov c: 512-287-1543

One Time Inspections

Residential Electrical Inspections

Eric Zimmerman - Supervisor eric.zimmerman@austintexas.gov o: 512-974-2729 c: 512-293-5077

Joe Ramirez joe.ramirez@austintexas.gov c: 512-287-1462

Chelon Bihon chelon.bihon@austintexas.gov c: 512-999-6845

Daniel Barrera daniel.barrera@austintexas.gov c: 512-226-3108

Gaynell Wilson gaynell.wilson@austintexas.gov c: 512-999-6853

Jym Damico james.damico@austintexas.gov c: 512-228-7258

Timothy York timothy.york@austintexas.gov c: 512-905-1749

Robert Conner robert.conner@austintexas.gov c: 737-881-0058

Jordan Word jordan.word@austintexas.gov c: 512-665-8516

Robert Ruiz robert.ruiz2@austintexas.gov c: 512-767-2134

Roy Stephens roy.stephens@austintexas.gov c: 512-287-1595

Wayne Robinson wayne.robinson@austintexas.gov c: 512-767-3815



Other Contact Numbers

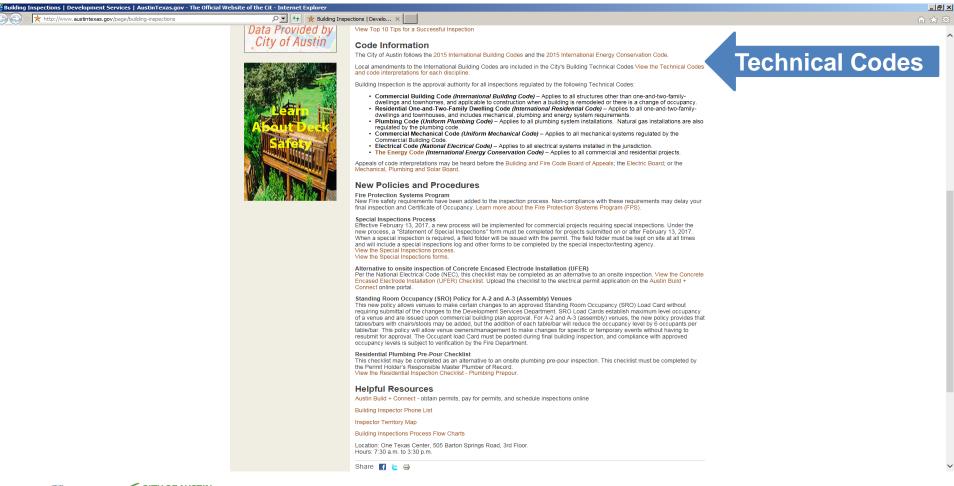
Robert Conner (512) 264-4005 New Number

Tom Stephens (512) 545-3441 New Inspector

Hector Aguilera (512) 974-1374 After Hours Inspection Requests



Building Inspections





Building Technical Codes

Resources

BUILDING TECHNICAL CODES

The City of Austin's Building Technical Codes (Chapter 25-12), contain regulations for Building, Electric, Fire, Property Maintenance, Mechanical, Plumbing, Residential, and Solar Energy. The City of Austin follows the 2015 International Building Code.

Click below to view the local amendments for each Code.

2015 International Building Code - Local Amendments

2015 International Energy Code - Local Amendments

2015 International Fire Code - Local Amendments

2015 International Residential Code (IRC) - Local Amendments

2015 International Property Maintenance Code (PMC) - Local Amendments

2015 Uniform Mechanical Code (UMC) - Local Amendments

2015 Uniform Plumbing Code (UPC) - Local Amendments

2017 National Electrical Code - Local Amendments

Austin Electrical Code

TOP CONTENT

- ★ Austin Build + Connect (AB+C)
- ☆ Online Tools
- ☆ Permits
- ★ Building Permits (Service Center)
- ★ Austin City Code & Land Development Code

Technical Code Interpretations

Building Code

- · Accessible Pathway and Accessible Parking (CI2011-0002)
- Permitting of Mixed Use Multiple Occupancy Buildings (Cl2012-0001)
- · Assisted Use Toilets Enforcement (CI2014-0002)
- Swimming Pool Restrooms (C12018-0001)
- Type III Construction Interpretation (IB2018-0001)

Residential Code

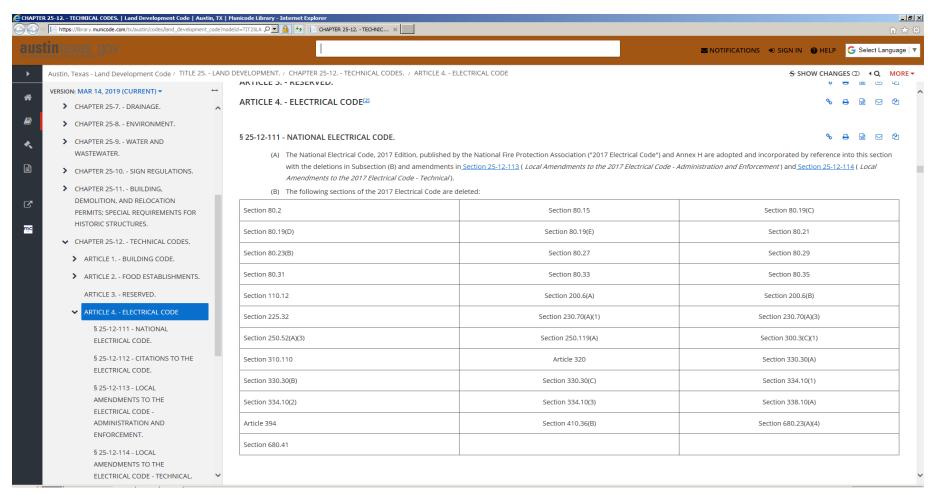
- · Threshold No-Step Entrance (Cl2013-0002)
- Mechanical and Pool Equipment in Required Yards (Cl2014-0006)
- · Habitable Attic (CI2018-0501)
- Dwelling Unit (Cl2018-0622)
- 25% Openings (CI2018-0904)

Plumbing Code

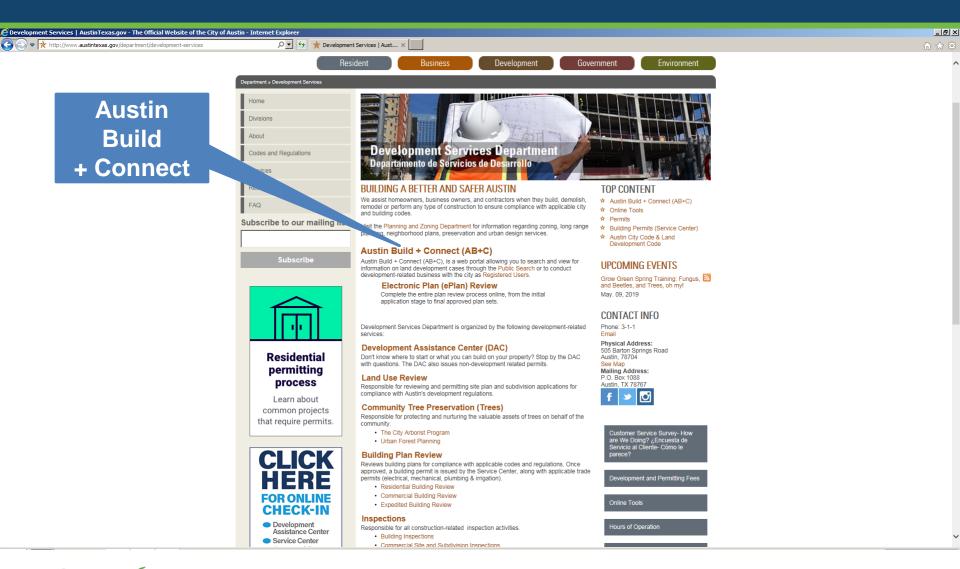
Installation of Composting Toilets (Cl2012-0003)



www.municode.com









Register



Please Note.

agoing maintenance, this website will not be available on 8PM. We apologize appropriate and acconvenience.

From 7PM to

Live chat if you have problems

AUSTIN BUILD + CONNECT, +C)

Registered users can find details about the armits, submit most types of applications, pay for permits and fees, schedule inspections and get immediate assistance with our live chat.

To create a new account or log into an existing account register here.

After completing the registration process, you will be able to conduct business online, such as:

- · Viewing status of your permits, inspections and fees
- · Pay for permits and fees
- · Schedule an Inspection
- Get answers to your questions with a live chat.
 Just click on blue box in bottom right corner.

The City of Austin makes every effort to produce and publish the most current and accurate information possible. No warranties, expressed or implied, are provided for the data herein, utilization of the search facility indicates understanding and acceptance of this statement by the user.



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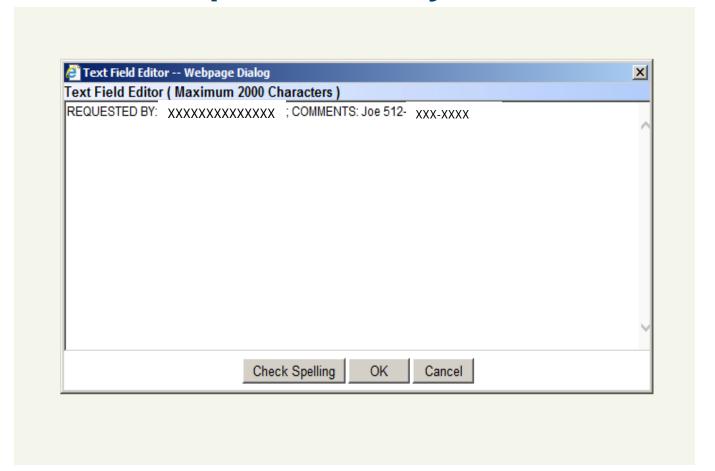
• Pay for permits and fees

• Schedule an Inspection

- Upload documents
- Add comments for the inspectors

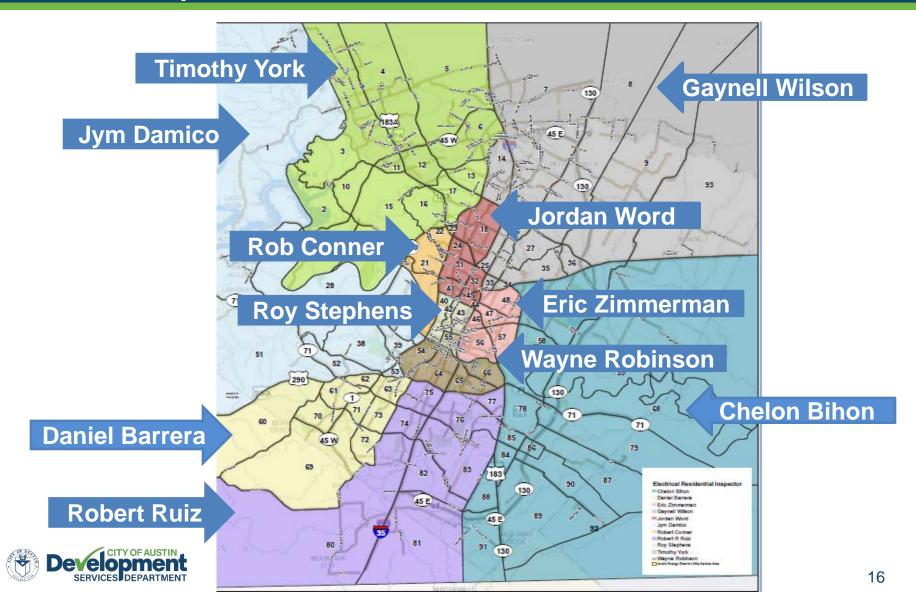


How the Inspector sees your comments

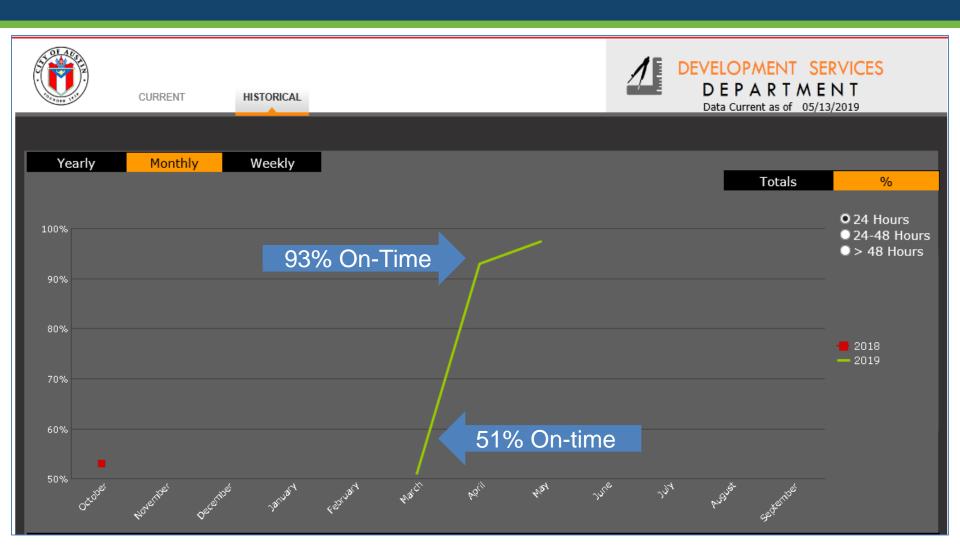




Residential Electrical Inspectors and Territories

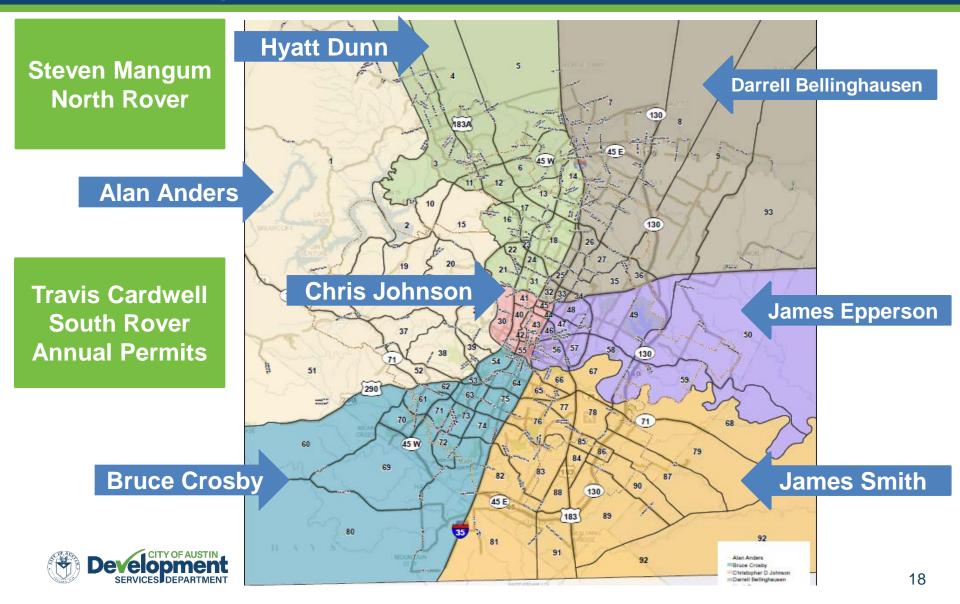


Residential Inspections Update

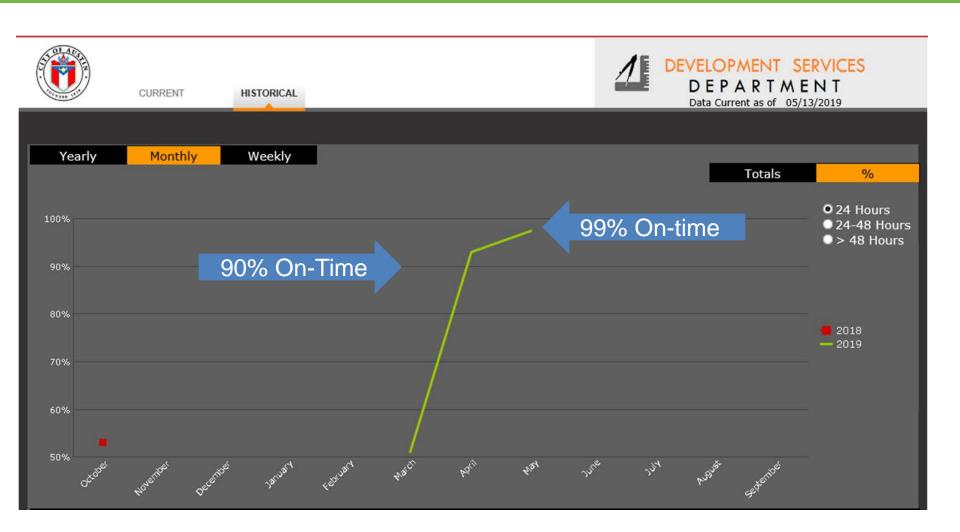




Commercial Electrical Inspectors and Territories



Commercial Inspections Update





City Ordinance No. 20170828-094

ORDINANCE NO. 20170928-094

AN ORDINANCE REPEALING AND REPLACING ARTICLE 4 OF CITY CODE CHAPTER 25-12 TO ADOPT THE 2017 NATIONAL ELECTRICAL CODE AND LOCAL AMENDMENTS; AND CREATING OFFENSES.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF AUSTIN:

PART 1. City Code Chapter 25-12 is amended to repeal Article 4 (*Electrical Code*) and replace it with a new Article 4 to read as follows:

ARTICLE 4. ELECTRICAL CODE

§ 25-12-111 NATIONAL ELECTRICAL CODE.

- (A) The National Electrical Code, 2017 Edition, published by the National Fire Protection Association ("2017 Electrical Code") and Annex H are adopted and incorporated by reference into this section with the deletions in Subsection (B) and amendments in Section 25-12-113 (Local Amendments to the 2017 Electrical Code Administration and Enforcement) and Section 25-12-114 (Local Amendments to the 2017 Electrical Code Technical).
- (B) The following sections of the 2017 Electrical Code are deleted:

Section 80.2	Section 80.15	Section 80.19(C)
Section 80.19(D)	Section 80.19(E)	Section 80.21
Section 80.23(B)	Section 80.27	Section 80.29
Section 80.31	Section 80.33	Section 80.35
Section 110.12	Section 200.6(A)	Section 200.6(B)
Section 225.32	Section 230.70(A)(1)	Section 230.70(A)(3)
Section 250.52(A)(3)	Section 250.119(A)	Section 300.3(C)(1)
Section 310.110	Article 320	Section 330.30(A)
Section 330.30(B)	Section 330.30(C)	Section 334.10(1)
Section 334.10(2)	Section 334.10(3)	Section 338.10(A)



Residential Electrical Inspections

Top Ten Deficiencies

Slab/Grounding/Rough Inspections

1.	Ufer ground does not have 2-inch clearance	Art. 250.52(A)(3)

- 2. Romex installed in wet location (Island) Art. 334.12(B)
- 3. Romex installed too close to edge of stud Art. 300.4(A)
- 4. Remodel boxes in new construction Art. 314.23
- 5. Work performed beyond scope of permit Art. 80.19(C)



Residential Electrical Inspections

Top Ten Deficiencies - continued

Final Inspections

6.	Equipment not installed	per Instructions	Art. 110.3(B)
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- 8. Service grounding incorrect Art. 250.24
- 9. Grounding Electrode not present at T-poles Art. 250.505
- 10. Panel Labeling Incomplete/Incorrect Art. 408.4(A)



Commercial Electrical Inspections

Top Ten Deficiencies

- 1. <u>Grid Ceilings</u> Grid support wires not attached on both ends. Support wires not ID'd. Low voltage laying on grid.
- 2. <u>Bonding</u> Main or system bonding jumpers and supply-side bonding jumpers not sized correctly (Table 250.102 (C)(1)). Supply-side bonding not per NEC.
- 3. Loose fittings and connectors.



Commercial Electrical Inspections

Top Ten Deficiencies - continued

- 4. Securing/Supporting of cables and raceways not per their respected Code Articles.
- 5. Available fault current not posted. The OCPD does not meet or exceed the AFC.
- 6. At Rough-in inspection- Rings are missing. Ground screws or jumpers not installed.
- 7. Labeling at Final-Panel schedules are not complete or specific. Feeders are fed from.



Commercial Electrical Inspections

Top Ten Deficiencies - continued

- 8. Maximum Overcurrent listed on nameplate does not meet what is installed.
- 9. GFCI Outlets not readily accessible. Missing where required by NEC.
- Inspection No City plans onsite. No address.
 No contact information. Work covered before inspection.



Top Ten Tips for a Successful Inspection

- 1. Verify the work is complete and ready for inspection
- 2. Verify that the job site is safe, clean, and free of safety hazards
- 3. Schedule the inspection on <u>Austin Build + Connect</u> (AB+C)
- 4. Schedule the correction inspection in the proper sequence, and include any special instructions pertinent to the inspection
- 5. Ensure the project address is posted visibly at the site and proper access is available for the inspection



Top Ten Tips for a Successful Inspection

- 6. Ensure required permit and approved city stamped plans are available on site and accessible to the Inspector
- 7. Ensure that someone familiar with the site is available during the inspection
- 8. Ensure appropriate personnel is available to make corrections to minor deficiencies during the inspection
- 9. Complete punch list items
- 10. Communicate with the inspector on outstanding questions or issues



Questions & Answers

Any questions?



Thank you

Thank you!

Eric Zimmerman

Supervisor Residential Electrical Inspections
Eric.Zimmerman@austintexas.gov
512-974-2729

Marty Starrett

Supervisor Commercial Electrical Inspections

Marty.Starrett@austintexas.gov

512-974-3488

