

BUILDING NEWS

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ONLINE FEATURE EMAILED INSPECTION RESULTS

Building Inspectors using the Amanda Mobile Pal unit are now able to enter their inspection results at the job site. Inspection results are then sent automatically via email to contractors. This allows the County to push information to the contractors immediately after the inspection is done.

Receiving inspection results from the Mobile Pal allows contractors to proceed to the next building step hours sooner if the inspection is accepted. When an inspection is rejected the contractor immediately knows what course of action to take to correct the issues saving valuable time. Before the Mobile Pal was available inspection results were not entered until late afternoon. The Mobile Pal also has the ability to research past history of a particular job site and the ability to schedule inspections in the field if needed.



Amanda Mobile Pal is a wireless laptop in the vehicle that is able to transmit inspection results real time. If an inspection is in a remote area where there is no wireless connectivity the unit retains the information and is downloaded when connectivity resumes.

This unit also contains a GPS system integrated with a daily inspection list allowing voice activated directions to each inspection site at the touch of a button. With a County as large as Jeffco and the mountain terrain this enables inspectors to locate job sites in a timely manner.

Emailed inspection results will include Address, Permit Number, Permit Type, Inspector Name, Inspection Date, Inspection Type, Inspection Results, and Inspection Comments.

Registered eNtraprise users will receive emails and are also able to look up inspection results off the eNtraprise site immediately after the inspection is completed in the field.

For more Information or to register for eNtraprise, Contact Ed Peck at: 303 271 8258 or epeck@jeffco.us

10 SIGNIFICANT CHANGES TO THE 2011 NATIONAL ELECTRICAL CODE—NEC

250.121 USE OF EQUIPMENT GROUNDING CONDUCTOR

Equipment Grounding Conductors shall not be used as a grounding electrode conductor.

314.27 (C) BOXES AT CEILING FAN OUTLETS

Where spare separately switched, ungrounded conductors are installed in ceiling mounted outlet boxes, the outlet box shall be listed for support of paddle fans.

404.2 (C) SWITCH CONNECTIONS

Switches controlling lighting loads. The grounded (neutral) conductor shall be provided at each switch location.

406.4 (D)(4) AFCI PROTECTED RECEPTACLES

All receptacles in areas required to be AFCI protected, when replaced shall be AFCI protected by either an AFCI breaker or AFCI receptacle. THIS REQUIREMENT BECOMES EFFECTIVE JANUARY 1, 2014.

406.4 (D)(5) TAMPER RESISTANT RECEPTACLES

All receptacles in areas required to be tamper resistant, when replaced shall be of the tamper resistant type.

406.12 TAMPER RESISTANT RECEPTACLES FOR DWELLING UNITS EXEMPT LOCATIONS

1. Receptacles more than 5-1/2 feet above the floor.
2. Receptacles that are part of a luminaire or appliance.
3. A single receptacle or a duplex receptacle for two appliances located in dedicated space (not easily moved) and is cord and plug connected.
4. Non-grounding receptacles used for replacement.

680.43 exception #2 INDOOR INSTALLATIONS (SPAS AND HOT TUBS)

Equipotential bonding requirements for perimeter surfaces shall not apply to indoor installations above a finished floor, or to hot tubs installed on pre-existing concrete slabs outdoors.

680.73 ASSESSIBILITY (HYDROMASSAGE BATHTUBS)

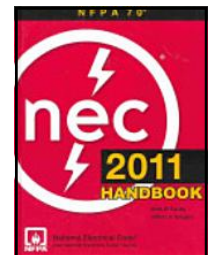
Cord and plug connected hydro massage bathtubs shall be on a dedicated circuit, shall have GFCI protection readily accessible. The receptacle shall be installed so the face of the receptacle is within direct view and not more than 1 foot of the opening.

690.4 INSTALLATION (PV SYSTEMS)

PV circuits inside building or structures shall be routed along building structural member (beams, trusses, columns, etc.)

690.31 (E)(1) PV WIRING METHOD

Beneath roofs—wiring methods inside buildings or structures shall not be installed less than 10" below the roof decking or sheathing unless covered by PV modules or associated equipment



ONLINE PERMITTING

Contractors and homeowners are able to apply for electrical, mechanical, plumbing and re-roofing permits over the internet. To take advantage of this 24/7 service you will first need to register then a confidential password will be sent to a valid email address. Once registered, using your email address and password, a permit can be applied for, payment made by MasterCard or Visa. Contact Ed Peck, 303-271-8258 or epeck@jeffco.us to register.

SCHEDULE INSPECTONS

Online inspections can be scheduled up to 6:00 a.m. the day of the inspection for building, electrical, mechanical, plumbing and re-roofing.

Inspections requested via telephone must still be called in by 5:30 pm the day before the inspection.

INSPECTION RESULTS

Registered eNtrprise users will receive inspection results via email immediately after they are done in the field and will also be able to look up results off the eNtrprise site as soon as the inspection is completed in the field.

Inspection progress can also be followed at:

<http://jeffco.us/building>, click on Jeffco Permit Search and search by address, permit number/type or contractor. The information is updated three times a day - usually around 9:15 am, 3:15 pm and 6:00 pm.

*“receive
inspection
results via
email”*

CONTRACTOR TESTING

Exam ID #	2009 Building Codes ICC National Standard Exam Category	Time	# of Questions	Approved References
N11	General Building Contractor (A) - N11	4-hour	80	2009 IBC, ACI 318 Building Code Requirements for Structural Concrete and Commentary, 2008 or ICC Concrete Manual, 2009
N12	Building Contractor (B) - N12	4-hour	90	2009 IBC & IRC, ACI 318 Building Code Requirements for Structural Concrete and Commentary, 2008 or ICC Concrete Manual, 2009
N13	Residential Building Contractor (C) - N13	4-hour	80	2009 IRC, ACI 318 Building Code Requirements for Structural Concrete and Commentary, 2008 or ICC Concrete Manual, 2009
N14	Roofing Contractor/Subcontractor - N14	3-hour	60	2009 IBC & IPC
N29	Master Mechanical - N29	4-hour	100	2009 IFGC, IMC & 2008 NEC
N31	Journeyman Mechanical - N31	3-hour	50	2009 IMC, IFGC & 2008 NEC
N32	Residential Mechanical—Class C - N32	3-hour	70	2009 IRC
2006 Building Codes				
614	General Building Contractor (A) - 614	4-hour	90	2006 IBC
615	Building Contractor (B) - 615	4-hour	80	2006 IBC & IRC
616	Residential Building Contractor (C) - 616	4-hour	80	2006 IRC
670	Mechanical Contractor (A) - 670	4-hour	100	2006 IFGC, IMC, & 2005 NEC
671	Mechanical Contractor (B) - 671	3-hour	50	
679	Residential Mechanical- Class C - 679	3-hour	70	2006 IRC
764	Roofing Contractor/Subcontractor - 764	3-hour	60	2006 IBC & IPC

To Register for a computer based exam (CBT), call Pearson VUE at 1-877-234-6082 or go to www.pearsonvue.com/icc to register online.

For More Information download the ICC National Contractor Examination Bulletin @

www.iccsafe.org/contractor