**Members of the building community,**

*Here is a summary of the major 2015 code changes that may or may not affect you. Remember, this is not an all inclusive list and it’s a good idea to take a look for yourselves.*

*Thanks and we look forward to seeing you at the Code Presentation on April 30th, 2015.*

**2015 IRC (International Residential Code) significant changes**

**Highlighted areas are in the presentation on 4-30-15**

105.3.1.1- flood area changes

Table 301.2 (1)- changed wind design to 115 mph

301.3- story height was 12’- now 11’7”- wood/steel/ masonry

Table 302.1 (1)- small changes- min. fire separation distance

302.15- change amendment number

304.1- took out 120 sq ft rule- all @70 sq ft

305 – Rearranged

308.4.2- change amendment- took out perpendicular walls

3.8.4.7- 180 degrees from bottom tread

310- Egress new #’s, new additions- dwelling additions- alteration additions

311- Door opening to public way

311.7.3- 147” (was 144”)

311.7.5.1- open risers below 30”- more than 30”- no more than 4” opening

New 311.7.11- alternated tread devices and ship ladders- not for egress

315.5- add amendment for general purpose circuit power

315.3-c/o det. in bedrooms w/fuel fired appliance or assoc bathrooms

New 324- solar- brought in Fire Code requirements for accessible clearances

New 325- mezzanines

New 326- pools requirements to Pool & Spa Code

New table 403.1 (1) 2 3- footing sizes- new tables

New figures with references- figures 403.1(1) (2) (3) & 403.1.3

602- Fastening schedules- tables 603- some additions to allowable fasteners

602.7- Rim board headers- size per table 602.7(1)- changes in ground snow load- table configuration

Wall Bracing-

We are now 115 mph wind speed- charts changed to new speed

602.10.3(1)- use 115 mph some value changes- very little

602.12- simplified bracing method now applies- - has to meet all 8 requirements

606, 607, 608 & 609- organized into one section (606)-

Table 608.6(1)- # change and some values

608, 609, 610- # change only

802- span change- small table 802

806.5- amendment unchanged- no vented attics

New 907, 909- PV roof mounted systems

Chap 11- still stay on 2006 chapter 11for IRC

M1308- boring and notching- reconfigured

1411.4- pump to shut off appliance (When pump fails) much like 1411.3.1.1

1502.4.2- amendment to remain- no screws in dryer ducts

M2301.2.5- just thermal now- was solar energy systems-

2301.3- labels- 2301.4 no Ethylene glycol as heat transfer fluids

2502.1- test of UG plumbing- internally examined

2607- Waterproof openings

2708.2- shower drain size specified- 1 ½”

2801.6- no plastic pan under gas water heater

2802- New Thermo mix valves for solar and isolation valves

2901- Non-potable water, sign, pipe labeling- expanded on marking 2901.1

2902.5.5- solar – potable heat

2903.9.3- accessible valves

2906.4.1- sewer/water separation (2906 was 2905)- Table 3001.1(2) took out asbestos

New 2910- non-potable water

New 2911- reuse

New 2912- rainwater collection

New 2913- reclaimed water

ALL- no conflict with development code

3005.2- cleanouts change- building sewer- cleanout placement and clearance- 18” to 36”

3005.2.2 Building sewers, c/o and manholes

5.2.3 Took out inside or outside

5.2.9- clearance to obstructions (house) change

5.2.10- No concealed c/o

3010- Pipe bursting

New 3009- subsurface landscape irrigation

Table 3302.1- no more asbestos

3405.4- outdoor clearance- indoor and outdoor change- outdoor, nothing in required space

New 3406.13- ground and bond connection

3900- Goes along with NEC

Most changes in 3603, 3604, 3901, and 3902 all caught up to 2014 NEC

3902.16 (was .12) - NEC changes

4204.3- brought over from NEC- conductive surfaces

Appendix- no G for pools- all moved to Pool & Spa Code

**2015 IBC (International Building Code) significant Changes**

101.4.7- All goes to IEBC

New 304-new B occupancy- Food processing and commercial kitchens- less than 2500 sq ft not with restaurant

New 306- new F occupancy- Food processing and commercial kitchens over 2500 sq ft not with restaurant

Table 307.1(1)- changes to H occupancy

308- I groups- now have conditions for each I group- Definition: custodial care is “slow but can respond”

I-2 conditions- all the same as 2012

310.6- R-4 conditions

311.1.1- storage under 100 sq ft., classified as part of the occupancy

402.7.3- Emergency Power- Covered Malls over 50,000 sq ft need e-power for voice/alarm communication system

404.5- smoke control in I-2 condition 2

404.9.1- Exit not thru atrium

407- I-2 changes- exit separation, corridors, cooking facilities, projection in corridors, smoke barriers

412- Air craft related occupancy manufacturing facilities

420- Changes to conditions for the I-1

421- Changed to Hydrogen Fuel Gas Rooms

423- Additions- Emergency power, group E occupancies

New 426- combustible dust- grain processing and storage

504- (Was 503) Height tables – all the same values just format change

Table 504.3- Height

Table 504.4- number of stories

506- Area tables reorganized and already did the math for sprinkler increase

Table 509- a few changes to incidental areas

Table 601- foot note d- taken out, no sprinkler substitution

Table 602.4- expanded to add composite lumber

Type IV construction includes SCL (Structural Composite Lumber) & CLT (Cross Laminated Timber)

Table 705.2- Fire Separation Distance projection change

705.6- Structural stability- took 30’ exception

New 903.2.1.6- Roof assembly areas- sprinkler all

New 903.3.8- Limited area sprinkler

New 904.11- Water mist system for fire suppression

New 904.13—I-2, Condition 1 domestic hood over a cook top or range requires Fire suppression in hood

907.2.3- Group E- Exception #1 up’d to 50 from 30

Exception #2- new- 100 or less

Ne w907.2.11.3&4- alarm placement- clarifies.

910.4- smoke removal- rearranged, new requirements

New 915- C/O detector in group I & E

1004.1.1- cumulative occupant load

Table 1004.1.2- Mercantile is now all 60 gross

1006- Was 1014-1015- combined and consolidated

New tables- same, just combined

1007- -Exit door configuration & measuring point

1008- Was 1006- relocated and combined with 1024

1009- Was 1007

1009.1 exception 1- took out “alterations to”

1009.8—2 way communication- reworded

1010.1.9-(was 1008) 1.9.3(2.2) door sign changed to “This space”

1010.1.9.6&7- delayed egress doors- some changes for timing and labeling

1029-12 &13- additions to assembly seating and construction tolerances

1103.2.8- raised or lowered areas in churches not required to be accessible

1109.2.2- 5% ADA stalls- used to be one

1109.2.3 Same as 2.2 for lavatories

1109.5.1 Exception 1-drinking fountain- 2 spouts on one can substitute for 2 separate fountains

1203.3- unvented attics and rafter spaces- assemblies, requirements for commercial only

1505.9—PV modules listed and labeled with fir class

1507.16- vegetative roofs

1507.17- PV shingles

Table 1604.5- some risk category changes

1607.12.5- PV system on roof loads

2103, 2104, 2105- replaced text requirements with TMS & ACI references

Table 2304.10.1- used to be 2304.9.1, now includes box nails

2308—reformatted and re organized

Table 2308.6.1 and all 2308- BWP & BWL added – similar to IRC for prescriptive bracing (Almost identical)

2406.4.7- Glazing 60” min (was 36”) in line with local codes for IRC

Table 2902.1- DF’s @ 15 & below- taken out- now in 2902.6

2902.3- no public toilets for “Quick transaction occupancy”

Old 3004- hoist way venting- taken out and reorganized

**2015 IEBC (International Existing Building Code) Significant Changes**

403 - Seismic changes for Category F, unreinforced masonry, etc.

403.11- new refuge areas in alterations

406- Glass Replacement and Replacement Windows- Expanded

702.4- New addition- window opening control device/emergency escape

706- - New reroofing section

805.10- refuge areas-capacity

1401.6.20 – new smoke compartmentation

**2015 IFGC (International Fuel Gas Code) Significant Changes**

310- CSST Bonding requirements

Table 402.4. (3)- Sizing table- small changes in capacity in Cubic Feet of Gas per Hour

404.7- Protection from damage- expanded- boring and notching

412- LP Fuel Dispensing Facilities– expanded- location, equipment

416- Overpressure Protection Devices- expanded

503.8(5) - added vent clearance for Category IV appliances

614.5- new Section Power Ventilators for dryer duct must be listed

614.8.2- amend -delete last part of last sentence- no screws in dryer duct

**2015 IMC (International Mechanical Code) Significant Changes**

307.3- condensate pump – New requirement to shut down equipment when the pump fails

Table 403.3, now table 403.3.1.1- some # changes for exhaust airflow rate

Note G & H- expanded

504.5- New- clothes dryer power ventilation for dryer- listed and labeled

504.8.2- Amendment- delete last sentence- “no fasteners”- from IRC (keep the 2012 language)

504.8.5- change- identify the dryer duct length if over 35’

505.3- new for multiple kitchen hood ventilation

505.4- covers warming kitchens- hood over appliances (Other than R)

See amendment proposal to 507.1.2

506.3.8- cleanout openings- from 506.3.9

506.5.1.2- New in line concealed fan requirements for type II hoods

508.1.2- New air balance design for kitchen make-up air

601.5- New- return air openings for heating ventilation and A/C systems

Table 603.4- Duct Construction-change- expanded

1210 all new- Ground Source Heat Pump Loop Systems

**2015 IPC (International Plumbing Code) significant Changes**

Table 403.1- drinking fountain- no note E or F

15 or fewer taken out- put into 410.2

Note E- service sink note- was note G- same as IBC

403.3- exception- public toilets- quick transaction occ. Less than 300 sq ft public access area

410.2- 15 or fewer for DF’s

410.3- Provide Hi/Lo DF- was 410.2- exception clarified

New 423.3- Foot baths & Temp limits

501.3- water heater drain valve size now specified to ¾”

603- Water service separation same but the 5’exception has been put into text

607.2.1- Hot Water circulation & demand- see Development Code

702.5- addresses the hot water to sanitary drainage- pipe rating

708- Combined

.1.3- building sewer junction- shall be served by a C/O at the junction or within 10’

.1.9- required clearance for C/O- distance from an obstruction

6” pipe and smaller = 18”

8” pipe and larger = 36”

New 716- vacuum drainage

New 717- Pipe bursting

803- Took out waste water temperature- see 702.5

1002.4.1- expanded- types of trap seals expanded

1003.4—excep change- OK

New Chapter 13 Non-potable water systems

1303.2- rain water collection

1304- Reclaimed water

New 14- subsurface landscape irrigation- connection to non-potable

No more gray water

**2015 ISPSC (International Swimming Pool and Spa Code) Significant Changes**

New Swimming Pool Code requirements

All IRC requirements for spas and pools have been moved to the ISPSC as amended

**2015 IFC (International Fire Code) Significant Changes**

No significant changes to the IFC

**2015 IECC (International Energy Conservation Code) Significant Changes**

The City is not adopting the 2015 Energy Code.

The 2006 IRC Chapter 11 Energy section will remain in effect for residential

The 2012 IECC will remain in effect for commercial buildings

No changes