

CAMAvision Manual 2008 Changes

Grading (Commercial and Residential)

The grade table has grown with the addition E (executive) grade. It has also gotten five additional manual levels: 50%, 55%, 60%, 65%, and 70%.

Building Extras / Yard Extras

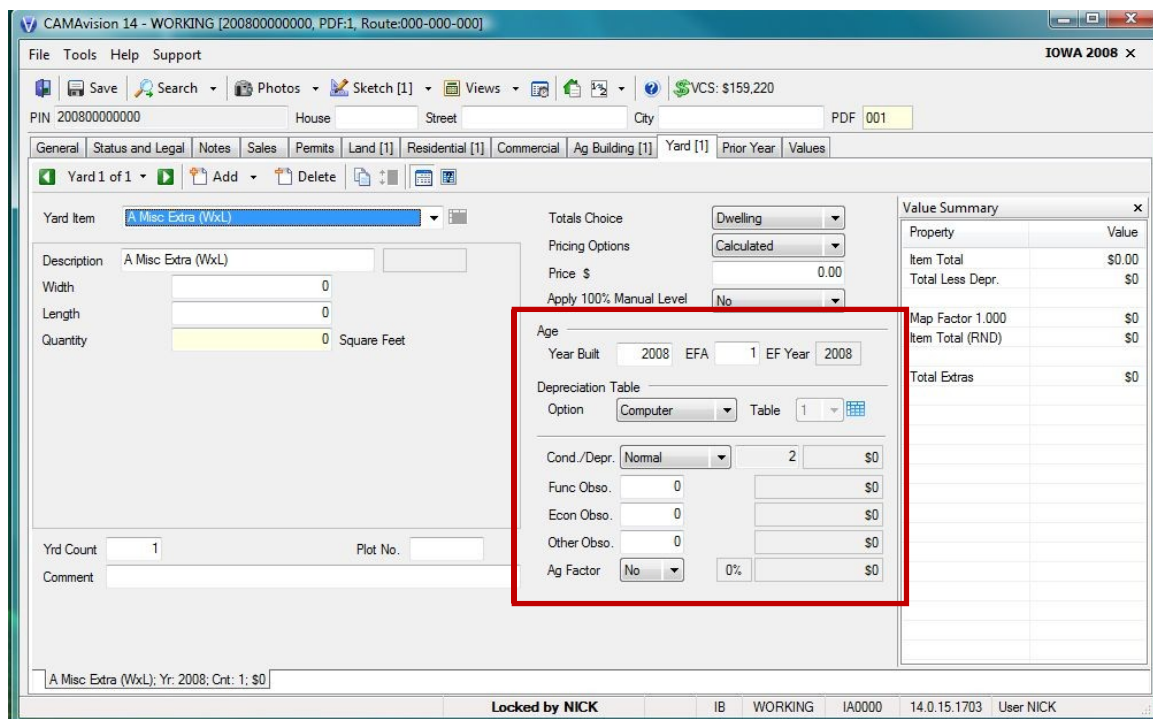
NEW. Yard Extra structures now have an occupancy table. This is where the assignment of a default depreciation chart is made. Users are only allowed to edit the default chart; new occupancies cannot be added.

NEW. Yard Extra structures can now use a nine chart depreciation table. Like other depreciation charts in the program, it spans 150 years. Note: this feature is available to yard extras only. Commercial building extras continue to depreciate with the main structure.

NEW. Effective age and year have been added to yard extras. Year built already existed. On conversion the EFA and EF Year will be calculated from the year built.

NEW. Yard Extra structures have a condition/depreciation adjustment: Excellent, Very Good, Above Normal, Normal, Below Normal, Poor, Very Poor and Observed. Converted types will default to "Observed" in order to preserve the depreciation percentage already entered. Newly added types will default to "Normal" condition.

NEW. Yard structures can now optionally have the Ag Factor applied. This feature is only available if the client has the Ag Building module. Note: this feature is not available when the structure is entered as a commercial building extra.



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Augers, Horizontal (YHORZ) p. 6-136

- Renamed, putting “Augers” first. Previously was called “Horizontal Augers.” The change reflects more precise terminology with the manual.
- Added low, average and high pricing. Converted types will default to “Average.”
- Added catwalks so they can be priced along with the conveyer. Converted types will default to “No” catwalk. Note: users can continue to price catwalks as a separate extra.

Bank – ATM (Y_ATM)

- For IOWA, built-in ATMs are considered personal property and should only be descriptive. The Upgrade Advisor will note these parcels.

Bucket Conveyor – Leg (YBUCK) p. 6-135

- Distributor heads: Single, Double, and Triple can now be priced directly with the bucket conveyor. Converted and new types will default to “No” heads. Note: distributor heads can still be priced as individual extras.

Car Wash Equip – Continuous Flow (YCONV) p. 6-99

- For IOWA, car wash equipment is exempt. While it can still be priced, users will want to consider removing or make it only descriptive. The Upgrade Advisor will note these parcels.

Car Wash – Extras (YCARX) p. 6-99

- For IOWA, car wash extras (wash floor and vacuum stations) are exempt. While it can still be priced, users will want to consider removing or make it only descriptive. The Upgrade Advisor will note these parcels.

Cold storage – Extra Door (YMECH) p. 4-45

- Replaced with Cold Storage –Refrigeration Door (Single Sliding). Old-style “single” door types will be converted to this new extra type.
- Replaced with Cold Storage –Refrigeration Door (Bi-Parting Electric). Old-style “double” door types will be converted to this new extra type.

Dock Leveler (YDOCK building extra, only) p. 4-35

- Added Air bag pricing.

Dock Leveler Edge (YLEDG building extra, only) p. 4-35

- Added Air bag pricing.

Dumbwaiters (YDMBWAIT building extra, only) p. 4-35

- NEW.
- Priced as manual or electric.
- Note: dumbwaiters also exist as a main area adjustment.

Elevator – Moving Stair (YSTAR) p. 4-34

- Glass balustrade is changing to Steel. Converted and new types will have Steel balustrade set to “No.”
- Structures with glass balustrade set to “Yes” will be flagged in the Upgrade Advisor.

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Exhaust Fans (YEXHA) p. 4-21

- Low, Average and High prices added. Converted will default to “High.” Newly added types will default to Average pricing.

Fencing – Chain (YCFEN) p. 4-39

- Added low, average and high pricing. Converted types will default to “Average.”
- Added pricing for vinyl coating.

Fencing – Metal panel or Wood Posts (YMTLFENC) p. 4-39

- NEW.
- Low, average and high pricing.
- Old-style YFENC extras that have the “Metal on Post” type selected will convert to this table.

Fencing – Metal/Wrought Iron (YMODFENC) p. 4-39

- NEW.
- Low, average and high pricing.

Fencing – Vinyl (YVNLFENC) p. 4-39

- NEW.
- Low, average and high pricing.

Fencing – Wood (YWDFENC) p. 4-39

- NEW.
- Low, average and high pricing.
- Old-style YFENC extras that have the “Wood – 6’ ” type selected will convert to this table.

Fireplaces – Commercial (YFIRE) p. 6-37

- Added prices for double-sided fireplaces.

Hopper Bin – Commercial (YHOPP) p. 6-144

- Added Tank type: Bolted or Welded Steel. Converted types will be set to “Welded Steel.”
- Many new sizes have been added.

Incinerator (YINCI)

- For IOWA, incinerators are no longer priced. The table still exists so other states will need to supply their own pricing for the table.
- The Upgrade Advisor notes parcels using this type.

Kitchen Built-ins – Commercial (YKTTC) p. 6-73

- Added “Oven (Double)” pricing.
- Existing oven pricing is renamed “Oven (Single).”

Landscaping (YLNDSCAP) p. 4-2

- NEW.
- Low, average and high pricing.

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Leg Towers (YLEGTOW) p. 6-135

- NEW.
- Low, average and high pricing.

Mixer, Hopper and Scale (Y_MIX) (old p. 5-103)

- For IOWA, these are no longer priced. The table still exists so other states will need to supply their own pricing for the table.
- The Upgrade Advisor notes parcels using this type.

Pneumatic Conveying Systems (YPCONV) p. 6-136

- NEW.
- Low, average and high pricing.

Railroad Spur (YSPUR) p. 4-40

- Added 130 ton turnout pricing.

Retaining Walls (YRETWALL) p. 4-2

- NEW.
- Priced as low, average, and high: wood, masonry, or rock/stone.

Roof Vents (YROOF building extra, only) p. 4-21

- Low, Average and High prices added. Converted and new types will default to "Average" pricing.
- All aluminum construction adjustment (add 100%) is new. Defaults to "No."
- Rotary type construction adjustment (add 30%) is new. Defaults to "No."

Scale – Truck (YTSCLE) p. 4-36

- Pricing for having a pit has been added. Converted and newly added types will default to "No pit."
- The "no readout" deduction column has been zeroed. Readout is now descriptive.

Scale – Floor Recessed (YSCLE) p. 4-36

- Readout type Dial or Digital has been replaced with Scale type Steel and Stainless Steel. Converted and new types will default to "Steel."

Septic Systems (YSEPTIC) p. 4-2

- NEW.
- Priced as low, average, and high: sand filter or leach field.

Swimming Pools (YPOOL and YRPOOL) p. 4-40 and p. 7-78

- Commercial and Residential have been broken out into two distinct tables. YPOOL for commercial, and YRPOOL for residential.
- Converted residential pools will use the new YRPOOL table.
- Added retractable cover pricing for residential. Converted and new types will default to "No". Retractable cover is not present, nor applicable for commercial pools.

Tank – Elevated Steel (YETNK) p. 4-41

- Added 150 foot high pricing.

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- Added 2 million gallon capacity pricing.

Tank – Piping, Metering, Racks (YTKPM) p. 4-42

- Added tank types (single and double). Converted types will be “Single.”
- Added loading rack types and pricing. Converted types will be loading racks: “No”. Newly added types will default to loading racks: “Yes”.

Tank – Small Bulk (YSTNK) p. 4-42

- Added Horizontal steel, single and double with skids pricing.
- Added Plastic (single) prices.
- Added Stainless steel (single) prices.

Tank – Underground (YUTNK) p. 4-42

- References to “Lined” have been changed to “Wall.” Meaning is unchanged.
- References to “Dual” have been changed to “Double.” Meaning is unchanged.
- Added fiberglass multi-compartment single and double pricing.

Temporary Grain Storage (YTMPGRN) p. 6-145

- NEW.
- Low, average and high prices.
- Ability to define types of construction: bunker walls, storage base, aeration tower and licensed bushel capacity.

Tower Equipment – Cable Type (YTOWCT) p. 6-131

- Number of coaxial cable choices has increased.

Tunnel – underground, concrete (YTUNNEL) p. 6-145

- NEW.
- Width, height and length are required in order to price.
- Low, average and high prices.

Well (YWELL) p. 4-2

- NEW.
- Priced as low, average, and high.
- Manual prices reflect an average depth of 150 feet. But the user is free to set a precise depth.

Yard Lighting (YINCN, YFLOU, YMERC, Y_SOD) p. 4-48

- Added 35 foot and 50 foot pole height pricing.

Yard Sprinklers (YSPRK) p. 4-32

- Added low, average and high pricing. Converted types will default to “Average.”
- Added varying prices dependent on square-footage.
 - a. Up to 5,000 SF
 - b. 5,001 to 10,000 SF
 - c. 10,001+ SF

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Agricultural Outbuildings

Depreciation Charts 4 – 7 are blanked out (applicable for IA; may not apply for other states). All buildings with a user overridden depreciation chart will need to be reviewed. Buildings using the default charted assigned by the occupancy table will automatically get the correct chart assigned.

Condition

More conditions have been added to better reflect the Manual and to be uniform throughout CAMAvision. The following conversion chart shows how conditions will be adjusted.

1998 Manual	2008 Manual	How conversions will take place
N/A	Excellent	Buildings set to AN with less than 0.05 physical depreciation
N/A	Very Good	Buildings set to AN with 0.05 or more, but less than 0.30 physical depreciation
Above Normal	Above Normal	Buildings set to AN with 0.30 or more physical depreciation
Normal	Normal	Not changed
Below Normal	Below Normal	Buildings set to BN with less than 0.30 physical depreciation
N/A	Poor	Buildings set to BN with 0.30 or more physical depreciation
N/A	Very Poor	None assigned

In actuality the old manual program was already calculating as if there was an Excellent, Very Good, Above Normal, Normal, Below Normal and Poor condition. It just wasn't appearing on-screen. The old program was restricted to only show Above Normal, Normal or Below Normal.

Special note: If condition is being displayed on your website, it's possible for a property owner to notice a condition change but nothing actually got updated on a structure. **Most** clients **do not** show this on websites or reports. But if you do, it may raise a question about why the condition has risen but no improvements were made to the structure.

Grading

There are now six grades to choose from: 1 through 6. 1, 2, and 6 are new. The factors for each grade are fixed and cannot be edited. They are:

- Grade 1 – 1.82
- Grade 2 – 1.49
- Grade 3 – 1.22
- Grade 4 – 1.00
- Grade 5 – 0.80
- Grade 6 – 0.64

Special note: While the grade for most structures did not change, some barns may see a grade change due to the elimination of the old-style "Grade 3" and "Grade 5".

Building Equipment and Adjustments

The building adjustment tables have been greatly expanded. There are many new adjustments, and many adjustments are now much more specific to a given building type. The conversion will map those adjustments where it knows a better choice as been added, but it is important to still review all building

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adjustments. In some cases there may now be more than one “typical” adjustment choice for a similar adjustment, only the prices vary dependent upon construction characteristics.

Barns: Bank (905), Flat (906), Feed (907), Dairy (909) Pole (913), Small (915)

- Old-style “Grade 3” and “Grade 5” are removed. These old-style “grades” functioned like Low and High pricing. The upgrade advisor will notify users if this old grade and building grade mismatch. Upon conversion users may want to consider adjusting the building grade up or down to compensate.

Barn – Free Stall (949) p. 8-15

- NEW.
- Priced just like a confined cattle barn (912).

Concrete Pits – All types (939, 940, 941, 942, and 945) p. 8-25

- Width and Area are both required in order to price. Previously the program would let the user type in only an area which would result in the lowest table row being used. The Upgrade Advisor will flag structures like this that need to be reviewed. If left unchanged these structures will not price.

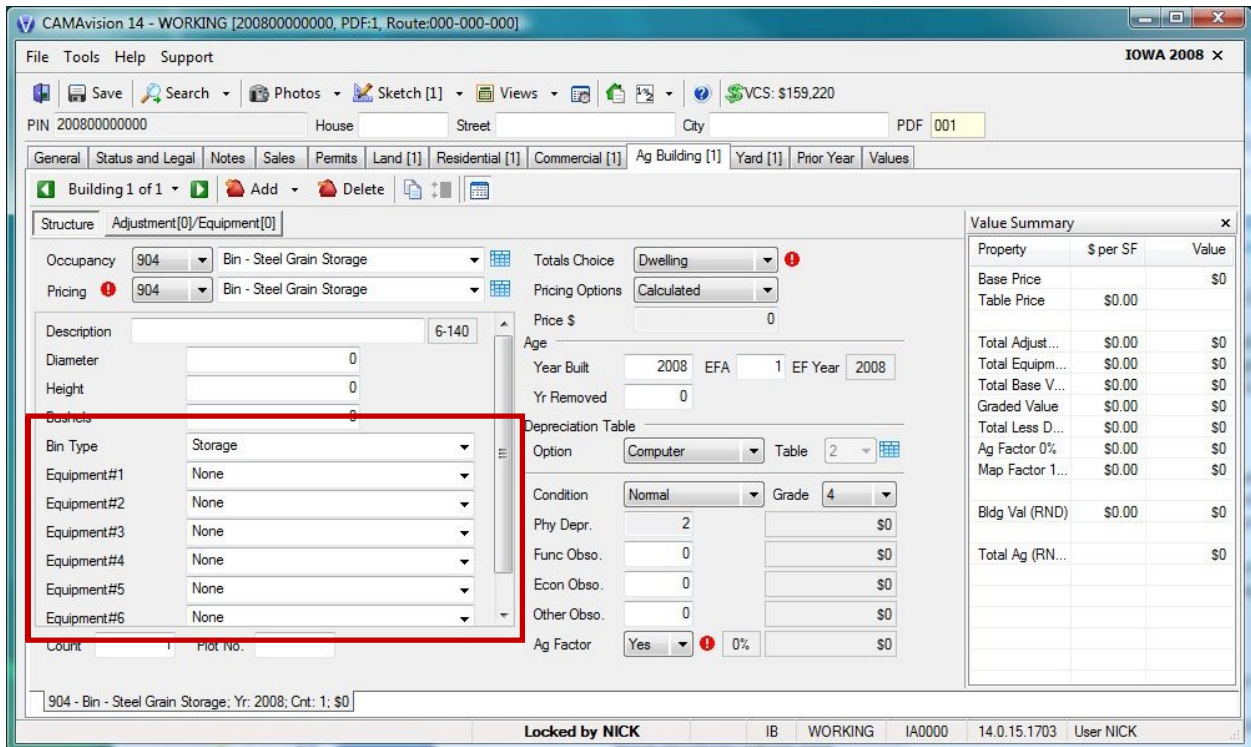
Milk House (910), Broiler House (948), Poultry (922), Egg Laying (923), Machine/Utility (924), Cribs (926), Loafing Shed (914), Hay Shed (916), Swine Finishing/Farrowing (917)

- Old-style “Grade 3” and “Grade 5” are removed. These old-style “grades” functioned like Low and High pricing. The upgrade advisor will notify users if this old grade and building grade mismatch. Upon conversion users may want to consider adjusting the building grade up or down to compensate.

Bin – Steel Grain Storage (904) p. 6-140

- Diameter, Height and Bushels are all required in order to price. Previously the program would let the user type in only bushels which would result in the lowest table row being used.
- The Upgrade Advisor will flag structures like this that need to be reviewed. If left unchanged these structures will not price.
- Seven extra equipment type fields have been added. Values are pulled directly from the extras Other Bin Items (YOTHR) table and grade/depreciated with the structure. Users will no longer have to extra equipment as an adjustment or yard extra.

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Hoop House (947) p. 8-26

- Width and Area are both required in order to price. Previously the program would let the user type in only an area which would result in the lowest table row being used.
- The Upgrade Advisor will flag structures like this that need to be reviewed. If left unchanged these structures will not price.
- Added enclosed end pricing to match the manual pricing. Previously enclosed ends had to be added as an adjustment. Depending on the size of the structure this limited the accuracy of the pricing.

Silos: Harvester (931), Concrete (932), Steel (933) pp. 8-34 - 35

- Diameter, Height and Area are required in order to price. Previously the program would let the user type in only an area which would result in the lowest table row being used.
- The Upgrade Advisor will flag structures like this that need to be reviewed. If left unchanged these structures will not price.

Steel Bulk Feed Tank (935) p. 8-42

- Added Tank type: Bolted or Welded Steel. Converted types will be set to "Bolted."
- Many new sizes have been added.

Commercial Component

All vertical and horizontal types have low, average, and high prices.

Roofing (CROOF)

- Added a sort-by-type column. Options are flat and pitched.

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HVAC (CHVAC)

- Added a sort-by-type column. Options are Source and Occupancy.

Commercial Pre-computed

Wherever possible, references to wood framing called simply “Frame” have been replaced with the word “Wood.” The meaning of each line is unchanged.

Special Note: Unless otherwise noted per pricing code, basements can always be priced on the main structure pricing screen. Be aware that adding a “basement – unfinished” main area adjustment may cause the basement to be priced twice.

Special Note: The building adjustment tables have been greatly expanded. There are many new adjustments, and many adjustments are now much more specific to a given building type. The conversion will map those adjustments where it knows a better choice as been added, but it is important to still review all building adjustments. In some cases there may now be more than one “typical” adjustment choice for a similar adjustment, only the prices vary dependent upon construction characteristics.

Apartments (P_702) p. 6-72

- Added pricing for concrete block and tile exteriors on wood and steel framing.
- Added pricing for brick veneer exterior on steel framing.
- Added pricing for decorative concrete block exterior on wood and steel framing.
- Added pricing for EIFS exterior on wood and steel framing.
- Added square-foot pricing for basements. This makes basement pricing consistent with all other structures. Basements are now “added for” instead of being figured into the style price. This means basement value will get picked up in the following data entry error scenario:
 - a. The structure is entered using a style with no basement, and
 - b. A basement SF amount is entered while ignoring the “wrong style” Quick-Tip warning.
- The Upgrade Advisor will flag parcels for review with the basement data entry error.

Assisted Living Apartments (P_726) p. 6-76

- NEW.

Auto / Implement Showroom and sales (P_401) p. 6-88

- Added pricing for brick veneer exterior on steel framing.

Auto Repair (P_408) p. 6-92

- Renamed; dropped word “franchise” from name.

Bank – Drive-up (P_508)

- Rolled into the regular Bank – Main (P_506) pricing table.
- Existing parcels will be flagged by the Upgrade Advisor.
- Users should change any structures of this type to Bank – Main pricing before conversion.

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- Old table will exist for reference but not used in pricing. Users should expect it to be removed in the version immediately following the Manual 2008 convert.

Bank – Main (P_506) p. 5-54

- Added pricing for brick veneer exterior on steel framing.
- Added pricing for EIFS exterior on steel framing.
- Added 100 – 1,500 SF pricing. 2,500, 6,000 and 7,500 SF pricing to standardize with other structure types.
- Removed 6,000 SF and 12,000 SF pricing. Buildings originally priced using these sizes will automatically recalculate to the nearest size in the pricing table.
- Basement square-footage has changed so the user adds for basement, instead of deducting for “no basement.” This was done to be consistent with pricing throughout the manual. The program was already calculating like this behind the scenes, so no data entry changes are required.

Billboard Paste/Paint (P_813)

- This pricing is being removed. All paste-n-paint billboards must be converted to Billboard (P_819) before conversion.
- The Upgrade Advisor will flag all parcels with this building type.

Billboard (P_819) p. 6-128

- Size ranges have changed. The calculations will automatically adjust existing structures.
- Added “Active Lighting” with two to four faces.

Bowling Alleys (P_710) p. 6-47

- Added square-foot pricing for basements.
- Previously if a user typed in a basement square-footage it warned that would not price. This has changed; existing parcels will have the basement actually price.
- Existing parcels will be flagged by the Upgrade Advisor if number of basement SF is greater than zero.

Child Daycare Centers (P_709) p. 6-85

- Added pricing for brick veneer exterior on steel framing.
- Added pricing for decorative concrete block exterior on wood and steel framing.
- Added 500, 1,250, 2,500, and 7,500 SF pricing.
- Removed 8,000 SF pricing. Buildings originally priced using this size will automatically recalculate to the nearest size in the pricing table.

Funeral Homes (P_715) p. 6-59

- Added pricing for brick veneer exterior on steel framing.
- Added pricing for brick-on-block exterior on reinforced concrete framing.
- Added pricing for concrete tilt-up exterior on reinforced concrete and steel framing.
- Added pricing for metal exterior on wood and steel framing.
- Added 500 SF, and 10,000+ SF pricing.

Golf Course (P_801) p. 6-123

- Pricing based on design has been removed.

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- Old-style grade, which behaved similar to low, average, and high prices, has been removed. Grade will instead be handled by the structure grade.

The following table describes the design/grade conversion:

Design	3 grade (Low)	4 grade (Average)	5 grade (High)
A	E+5	1+10	2+10
B	1+5	2	3
C	3	4	5
D	4+5	5+5	6+5
E	4-10	5-5	6-5
F	6-5	6-25	6-30
G	6-30	6-30	6-30

Golf Course – Par 3 (P_802)

- This occupancy/pricing has been folded into Gold Courses (P_801). Existing types will be converted.
- The Upgrade Advisor will flag parcels of this type for review prior to conversion.
- The “Golf Course – Par 3” will continue to exist, but it will price as a standard golf course.

Greenhouse (P_706) p. 6-125

- Old-style grade, which behaved much like low, average, and high pricing, has been removed. For converted types, the old-style grade will be used to determine the building grade:
 - a. “Grade 3” will become a grade 3,
 - b. “Grade 4” will become grade 4,
 - c. “Grade 5” will become grade 5.

High Rise Office Building (P_512) p. 6-41

- NEW.
- Prices reflect a minimum of five stories.
- Buildings under five stories should be priced using existing tables.

High Rise Hotels and Motels (P_513) p. 6-69

- NEW.
- Prices reflect a minimum of five stories.
- Buildings under five stories should be priced using existing tables.

Hotel / Motel (P_704) p. 6-65

- Added pricing for brick veneer exterior on steel framing.

Hotel / Motel Common Facilities (P_705) p. 6-65

- Added pricing for brick veneer exterior on steel framing.

Hoop Structures (P_821) p. 6-108

- NEW.
- Very similar to Ag Hoop Houses, but contains larger sizes not found in the Ag section.

Independent Living Apartments p. 6-76

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- New occupancy only. Will price as an Assisted Living Apartment (726).

Laundromats (P_208) p. 6-24

- NEW.
- Previously existed just as occupancies Laundromat (207) and Laundry/Cleaners (208). Both of these old occupancies priced as a small retail (201). Now they have their own table.
- For compatibility existing structures will are not being converted to the new tables unless expressly instructed to do so by the client. The Upgrade Advisor will flag the parcels for review. Newly added Laundromats will price using the new table.

Manufactured Home Park (P_703) p. 6-124

- Pricing based on “class” has been removed.

The following table describes the class conversion:

Class	Becomes Grade
1	1
2	2
3	3
4	4
5	5
6	6

Manufacturing – Light (P_711) p. 6-111

- Renamed. Previously called “Manufacturing.”
- Added 20,000 SF to 200,000+ SF pricing.
- Added height adjustment for main floor and uppers.
 - a. Table prices for main floor based on 16’. Height adjustment is used if the floor varies from this base.
 - b. Table prices for upper floors based on 12’. Height adjustment is used if the floor varies from this base.
- The Upgrade Advisor will flag parcels with this structure indicating the user will want to review; perhaps the new “heavy” manufacturing pricing code (P_727) is a better fit.

Manufacturing – Heavy (P_727) p. 6-113

- NEW.
- Pricing methods and table layout identical to light manufacturing (P_711). Only the prices are different.

Metal, Light Industrial (P_608, P_609, P_610) p. 6-119

- NEW.
- Previously existed only as occupancies with pricing mapped to 601 (steel), 602 (milled wood frame), 603 (pole).
- Existing structures will continue to use the old pricing tables unless expressly instructed to convert to the new pricing codes by the client. Newly added structures will use the new pricing.
- The upgrade advisor will flag the parcels for review.

Mini-storage (P_716) p. 6-107

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- Added height adjustment for main floor. Table prices are based on 9' high structures. Height adjustment is used if the floor varies from this base.
- Previously mini storage had a 4" reinforced concrete floor as a typical. This is now included in the base price. If a user added this as typical it should be removed to avoid over pricing.

Nursing Home (P_708) p. 6-83

- Added pricing for brick veneer exterior on steel framing.
- Added pricing for concrete-block exterior on wood and steel framing.
- Added pricing for decorative concrete block exterior on wood and steel framing.
- Added pricing for EIFS exterior on wood and steel framing.
- Added 40,000 SF, and 50,000+ SF pricing.

Office – General (P_501) p. 6-38

- Added pricing for brick veneer exterior on steel framing.
- Added 2,500, 3,000, and 4,000 SF pricing to standardize with other structure types.
- Basement square-footage has changed so the user adds for basement, instead of deducting for “no basement.” This was done to be consistent with pricing throughout the manual. The program was already calculating like this behind the scenes, so no data entry changes are required.
- Removed old 3,500 SF pricing. Buildings originally priced using this size will automatically recalculate using 3,000 or 4,000 SF pricing – whichever is closer.

Office – Medical/Dental (P_502) p. 6-45

- Added pricing for brick veneer exterior on steel framing.
- Added 500, 1,250, 2,500, 7,500, 40,000 and 50,000+ SF pricing to standardize with other structure types.
- Basement square-footage has changed so the user adds for basement, instead of deducting for “no basement.” This was done to be consistent with pricing throughout the manual.
- Removed old 8,000 SF pricing. Buildings originally priced using this size will automatically recalculate using 7,500 or 10,000 SF pricing – whichever is closer.

Parking Structures (P_728) p. 6-115

- NEW.

Restaurant – Fast food (P_301) p. 6-18

- Renamed. Previously it was called “Restaurant – Franchise”.
- Previously it was priced on quality of construction (excellent, above average, average, etc.). This has been replaced with the materials used in construction method found throughout commercial.
- All converted fast food restaurants will default to “Brick Veneer –Wood.”
- Existing parcels will be flagged by the Upgrade Advisor.
- Quality will now be handled by the grade. For converted types, the old-style quality will be used to determine the building grade:
 - a. Excellent will become a grade 2,
 - b. Above Average a grade 3,
 - c. Average a grade 4, and

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- d. Below Average a grade 5.

Restaurant (P_302) p. 6-15

- NEW. Previously existed as occupancy 302 priced as Hotel/Motel Commons (705).
- Existing “Restaurants” (302) and “Bar/Lounge” (303) occupancies will not be converted to use the new table unless expressly instructed to do so by the client. For maximum compatibility their respective pricing codes will not change.
- Newly added “Restaurants” and “Bar/Lounge” occupancies will price using the new table.
- The Upgrade Advisor will flag all parcels that have this structure. Users will want to review and consider changing it to use the new pricing.

Service Station w/Bays (P_403)

- Previously it was priced on a quality of construction (excellent, above average, average, etc.). This has been replaced with the materials used in construction method found throughout commercial.
- Quality will now be handled by the grade. For converted types, the old-style quality will be used to determine the building grade:
 - a. Excellent will become a grade 2,
 - b. Above Average a grade 3,
 - c. Average a grade 4, and
 - d. Below Average a grade 5.

Service Station no Bays (P_404)

- Previously it was priced on a quality of construction (excellent, above average, average, etc.). This has been replaced with the materials used in construction method found throughout commercial.
- Quality will now be handled by the grade. For converted types, the old-style quality will be used to determine the building grade:
 - a. Excellent will become a grade 2,
 - b. Above Average a grade 3,
 - c. Average a grade 4, and
 - d. Below Average a grade 5.

Shopping Center – Neighborhood (P_205) p. 6-31

- Added pricing for brick veneer exterior on steel framing.
- Added pricing for “uppers.”
- Previously if a user typed in stories greater than one it warned the upper floor would not price. This has changed; existing parcels will have their “uppers” price.
- Existing parcels will be flagged by the Upgrade Advisor if number of stories is greater than one.

Skating Rinks (P_725) p. 6-49

- NEW.

Steel Grain Storage Bin – Large (P_811)

- Compaction Factor is now being applied to the calculated bushels to arrive at the Licensed Bushel Capacity.

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Store – Retail Small (P_201) p. 6-9

- Added pricing for brick veneer exterior on steel framing.
- Added first floor no-plumbing adjustment.

Store – Retail Large – greater than 10,000 SF (P_202) p. 6-12

- Added pricing for “uppers.”
- Previously if a user typed in stories greater than one it warned the upper floor would not price. This has changed; existing parcels will have their “uppers” price.
- Existing parcels will be flagged by the Upgrade Advisor if number of stories is greater than one.

Store – Convenience (P_204) p. 6-27

- Renamed. Previously it was called “Store – Franchise Convenience.”
- Previously it was priced on a quality of construction (excellent, above average, average, etc.). This has been replaced with the materials used in construction method found throughout commercial.
- All converted structures will default to “Concrete Block – Steel.”
- Existing parcels will be flagged by the Upgrade Advisor.
- Quality will now be handled by the grade. For converted types, the old-style quality will be used to determine the building grade:
 - e. Excellent will become a grade 2,
 - f. Above Average a grade 3,
 - g. Average a grade 4, and
 - h. Below Average a grade 5.

Theaters – Cinemas (P_211) p. 6-56

- NEW.
- Previously existed just as occupancy 211 but priced as Hotel/Motel Commons (705).
- For compatibility existing structures will are not being converted to the new table unless expressly instructed to do so by the client. The Upgrade Advisor will flag the parcels for review. Newly added theaters will price using the new table.

Transit Warehouse (P_699) p. 6-104

- NEW.

Warehouse (P_701) p. 6-102

- Added 1,500 – 2,500 SF, 4,000 – 7,000 SF, 25,000, and 100,000 – 200,000 SF pricing.
- Removed 4,500 and 6,000 SF pricing. Buildings originally priced using these sizes will automatically recalculate to the nearest size in the pricing table.
- Added height adjustment for main floor and uppers.
 - a. Table prices for main floor based on 16'. Height adjustment is used if the floor varies from this base.
 - b. Table prices for upper floors based on 12'. Height adjustment is used if the floor varies from this base.

CAMAvision Manual 2008 Changes

Miscellaneous Calculation Corrections Not Previously Listed

Nursing homes (P_708) and apartments (P_702) and/or Hotels (P_704): incorrect mixing of square-foot-per-unit and square-foot area pricing codes. Apartments and Hotels are priced on a per unit basis (units divided by square footage), while nursing home inputs the number of units purely for descriptive purposes. When mixing these different pricing types, the structures being priced on the per-unit basis could incorrectly pickup units from the nursing homes. This problem appears to have been in the program since before CAMA-X.

CAMAvision Manual 2008 Changes

Residential

Main Structure

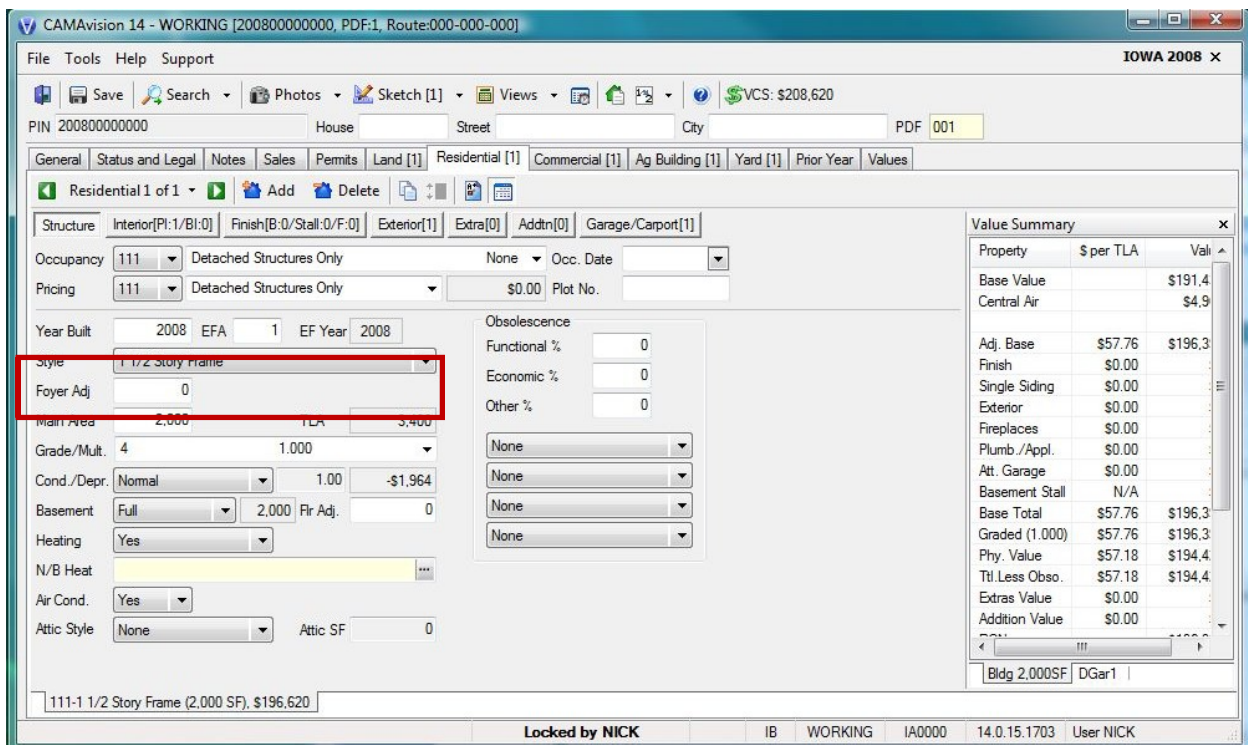
The old-style (pre Manual 1999) mobile home style has been removed. The Upgrade Advisor will flag any parcel that is still using this style. These parcels must be converted to either single, or double-wide, manufactured homes prior to conversion to the new manual. Note: the old-style mobile home pricing did not require a width in order to price, but the single and double-wide pricing methods do require a width.

The single-siding deduction pricing has been removed from the manual. The pricing column still exists in the main structure tables if a user needs it. It will be the user's responsibility to set the prices.

Log home prices have been merged into the respective 1-story, 1 ½ - story, 2-story, addition and garage tables.

Bermed and earthen homes have adjustments for half and full basements.

An open foyer adjustment has been added for the main structure. The user is presented with an open foyer SF amount when pricing any 1 ½ -story or 2 story style structures. The user simply enters a square-foot amount, and it will get deducted accordingly using the open foyer deduction found in the new residential adjustments table.



The grade guide has been updated to reflect the new E (executive) grades.

Additions

CAMAvision Manual 2008 Changes

Great room additions have been replaced with high-ceiling adjustments. Only the terminology has changed.

Log porch pricing has been added.

Stamped concrete patio pricing has been added.

Previous versions of CAMAvision had separate tables to calculate quarters-over adjustments for attached garages and porches. These have been combined and placed in the new residential adjustments table. This follows the table layout of the manual.

Previous versions of CAMAvision calculated over-sized square-foot price for main areas and additions using the last line in each of the respective tables. These have been replaced with actual over-sized square-foot figures provided by the new manual.

Garages and Carports

Carports have merged with garages. There are now attached carport prices located in the attach garage table. Detached carports are now driven using a detached carport table. Just like garages, carports now support year-built, condition, depreciation, etc.

The screenshot shows the CAMAvision 14 software interface. The main window is titled "CAMAvision 14 - WORKING [200800000000, PDF:1, Route:000-000-000]". The interface includes a menu bar (File, Tools, Help, Support), a toolbar, and a status bar. The main area is divided into several sections:

- Property Information:** PIN 200800000000, House, Street, City, PDF 001.
- Navigation:** General, Status and Legal, Notes, Sales, Permits, Land [1], Residential [1], Commercial [1], Ag Building [1], Yard [1], Prior Year, Values.
- Structure Selection:** Residential 1 of 1, Add, Delete, Structure: Interior[Pl:1/Bl:0], Finish[B:0/Stall:0/F:0], Exterior[1], Extra[0], Addtn[0], Garage/Carport[1].
- Garage/Carport Configuration:** Garage 1 of 1, Add Garage, Delete Garage. Year Built: 2008, EFA: 1, EF Year: 2008.
- Configuration Fields:** Style: Carport Det Metal, Width: 10 x Length: 20, Area (SF): 200, No Fir Adj.: Yes, Pricing Opt.: Calculated, Price \$: 2,990.00, Grade: 2, Cond./Depr.: Normal, 1.00, -\$22, Basement: 0, Qtrs+ Style: None, Qtrs+ Area: 0, TLA: 0, Qtrs+ AC: 0, Door Openers: 0, Plot Number: , Obsolescence: Functional %: 0, Economic %: 0, Other %: 0.
- Value Summary Table:**

Property	\$ per SF	Value
Base Value		\$2,990
No Fir Adj.		-\$770
Basement		\$0
Qtrs. Over		\$0
Qtrs. Over AC		\$0
Door Opener		\$0
Total Value		\$2,220
Depr. Value		\$2,198
Ttl. Less Obso	\$10.99	\$2,198
- Summary:** Carport Det Metal (200 SF), \$2,198
- Bottom Summary:** 111-1 Story Frame (2,000 SF), \$147,220
- Status Bar:** Locked by NICK, IB, WORKING, IA0000, 14.0.15.1703, User NICK

To support carports being merged with the garage screen in CAMAvision, square-foot price and sound-value pricing methods have been added to garages.

CAMAvision Manual 2008 Changes

Existing carports will be converted and merged into garages using square-foot pricing – exactly how they are currently priced. For new structures the default will be “calculated” (i.e., table-driven).

Additionally, converted carports will have their style set to “Carport – Attached – frame.” In previous versions there was no distinction of style or whether the carport was attached or detached. Year built for converted types will be pulled from the main structure. Again this is because there previous versions did not indicate a year built.

Because carports are now merged with garages, they no longer need their own screen within parcel maintenance. All that was left was basement stalls. To simplify things, basement stalls have switched screens to be where basement finished is entered.

Commercial Main Area Adjustment Changes

As of 8/20/2008

The follow list of adjustments were reviewed and moved (where possible).

Some adjustments now have more than one choice depending of type of construction. Existing adjustments were not moved where more than one choice is available.

Other adjustments have been completely removed as "typical" for some pricing codes because they can now price with the main structure or by other means. Existing adjustments were also not removed, but the client should review the buildings priced under the given pricing code and determine if a change is needed.

The following is a key to Occupancy and Pricing codes used here. It is simply a duplicate of the occupancy table found in CAMAvision.

Occupancy	Pricing	Description
201	201	Store - Retail Small
202	202	Store - Retail Large (> 10000 SF)
203	203	Store - Grocery
204	204	Store - Convenience
205	205	Shopping Center - Neighborhood
206	206	Shopping Center - Regional Mall
207	208	Laundromat
208	208	Laundry / Cleaners
209	201	Beauty / Barber Shop
210	201	Store - Bakery
211	211	Theater
301	301	Restaurant - Fast Food
302	302	Restaurant
303	303	Bars and Lounges
304	302	Cafe
305	705	Clubhouse
401	401	Auto / Impl. Showroom & Sales
402	402	Auto / Impl. Service
403	403	Service Station w/Bays
404	404	Service Station - no Bays
405	405	Auto / Truck Wash (Full Service)
501	501	Office - General
502	502	Office - Medical / Dental
503	501	Office - Insurance
504	501	Office - Law
505	501	Office - Real Estate
506	506	Bank - Main
507	506	Bank - Branch
508	506	Bank - Drive-up
509	506	Bank - Savings & Loan

Commercial Main Area Adjustment Changes

As of 8/20/2008

510	502	Veterinary Clinic
601	601	Metal Warehouse - Steel Frame
602	602	Metal Warehouse - Milled Wood Frame
603	603	Metal Warehouse - Pole Frame
604	604	Metal Office
605	608	Metal Shop - Steel Frame
606	609	Metal Shop - Milled Wood Frame
607	610	Metal Shop - Pole Frame
608	608	Metal Light Mfg - Steel
609	609	Metal Light Mfg - Milled Wood Frame
610	610	Metal Light Mfg - Pole
611	611	Metal Retail Store - Steel Frame
612	612	Metal Retail Store - Wood Frame
613	613	Metal Retail Store - Pole Frame
701	701	Warehouse
702	702	Apartment
703	703	Manufactured Home Park
704	704	Hotel / Motel
705	705	Hotel / Motel Common Facilities
706	706	Greenhouse
707	707	Lumber Storage Shed
708	708	Nursing Home
709	709	Child Day Care Center
710	710	Bowling Alley
711	711	Manufacturing (Light)
712	712	Fertilizer Storage
713	713	Shop
714	714	Recreational Facility
715	715	Funeral Home
716	716	Mini - Storage
717	717	School - Class Room
718	718	Gymnasium
719	719	Auditorium
720	720	School - Shop
801	801	Golf Course
802	801	Golf Course - Par 3
803	803	Tower - Light Design Load
804	804	Tower - Heavy Design Load
805	804	Tower - Microwave (Heavy Design)
806	804	Tower - CATV (Heavy Design)
807	711	B-L-L (Building on Leased Land)
808	711	Detached Structure
809	809	Grain Elevator

Commercial Main Area Adjustment Changes

As of 8/20/2008

810	810	Grain Elevator Annex
811	811	Steel Grain Storage Bin
812	812	Steel Grain Building (Flat)
813	819	Billboard Paste/Paint
814	814	Church
815	815	Hospital
816	816	Library
817	817	Fraternal Building
818	711	Building Owned by Others
212	212	Shopping Center - Anchor Store
213	213	Store - Retail Small/Office Uppers
406	406	Auto / Truck Wash (Drive-Thru)
407	407	Auto / Truck Wash (Self-Service)
408	408	Auto Repair
614	614	Quonset
721	721	Post Office
722	722	Livestock Buying/ Sale Barn
723	723	Ready-Mix Plant
724	724	Meat Locker
819	819	Billboard
820	820	Feed Mill
511	511	Office - General w/Apart. Uppers
512	512	High Rise Office Building
513	513	High Rise Hotels and Motels
514	514	High Rise Apartments
699	699	Transit Warehouse Buildings
725	725	Skating Rinks
726	726	Assisted Living Apartments
727	727	Manufacturing (Heavy)
728	728	Parking Structures
821	821	Hoop Structures
729	726	Independent Living Apartments

Commercial Main Area Adjustment Changes

As of 8/20/2008

Line 2: "A/C deduct Small retail 1st Flr" for typical codes 704 & 705 move to Line 156 A/C deduct hotel/motel.

Line 5: "Heat None (Small Retail)" for typical code 405 move to Line 142 Heat Space Only Car Wash.

Line 6: "Heat none (warehouse)" for typical code 711 to Line 104 Heat Manufacturing.

Line 8: "Suspended Heat" for typical code 706 move to Line 95, 96 or 97 depending on heat type. Also review for typical 711.

Line 10: "Heat" for typical codes 704 & 705 to Line 156 and for typical code 706 move to Line 95, 96 or 97 depending on heat type.

Line 11: "Bsmt unfinished" for typical codes 204,301,401,704, 705 & 816 now priced with building per Bob E and 508 remove.

Lines 17, 18 & 19: "sprinkler systems." Review structures with this type as there are new types which may be more applicable.

****NEW** Line 21 Floor R'Conc 4" for typical code 706 move to line 164 if concrete. For pricing code 716, this is now priced with bldg and should be reviewed.

Line 23: "Floor-no concrete (6" R'Conc)" for typical codes 601, 602, 603,701,706, 711,716 needs review.

Line 26: "Canopy attached" for typical codes 508 & 509 move to Line 88; for typical code 604 move to Line 27; and for typical codes 405 & 407 to Line 159.

Line 27: "Canopy-metal office" for typical code 710 move to line 26.

Line 28: "Mezzanine-storage" for typical codes 401 & 402 move to Line 30; and for typical code 206 & 212 (NEW) move to Line 81.

Line 29: "Mezzanine-finished (no A/C)" for typical codes 401, 402 & 506 move to Line 82; and for typical code 710 move to Line 179.

Line 35: "Loading Dock" for typical code 203 move to Line 162.

Line 53: "Plumbing None" for typical codes 201 & 213 now on main screen as a deduction. Consider removing as an adjustment.

Line 55: "Plumbing –no whse (LS)" typical code 701 removed. But pricing is there.

Line 57: "Ceiling none" for typical code 202 move to Line 160.

Line 59: "Portico" now (Portico Bank) for typical codes 501, 502, 511, 513, 514, 704, 705, 708, 709, 710, 715, 721 & 725 move to Line 101.

Line 60: "Bsmt finish-classrooms" for typical code 717 move to line 113.

Commercial Main Area Adjustment Changes

As of 8/20/2008

Line 80: "Floor-no covering (Lg Retail)" for typical code 203 to Line 187.

Line 81: "Mezzanine-open storage stl" 406 and 712 are no longer listed as a typical.

Line 82: "Mezzanine warehouse office" 712 is no longer listed as a typical.

Line 83: "Exhaust system –none" 406 is no longer listed as a typical.

Line 90: "Floor-no finish (mtl office & retail)" for typical code 202 to Line 80 and for typical code 401 move to Line 187.

Line 100: "Brick Veneer" typical code 201 & 213 are not listed as a typical.

Line 104: "Heat mfg none" for typical code 712 are not listed as a typical.

Line 105: "Loading Dock –door seal" for typical code 712 are not listed as a typical.

Line 107: "(partition-plywood)" Line 108 (partition-metal) ,Line 109 (partition wire/wood) and Line 110 (partition c'blk) typical codes 601, 602, 603,701 and 711 removed per Bob E.

Line 113: "Bsmt finish-classroom" 815 is no longer listed as a typical.

Line 120: "A/C deduct (office medical/dental)" for typical code 506 move to Line 155.

Line 121: "Office internal with heat & a/c" for typical code 406 removed.

Line 122: "Recessed work pits" 406 is no longer listed as a typical.

Line 129: "A/C deduct (Mall ----)" for typical code 604 move to Line 154.

Line 132: "Floor R'Conc 6'" 716 is no longer listed as a typical.

Line 141: "Partition c blk 8'" 502 is no longer listed as a typical.

Line 145: "A/C deduct (school)" for typical codes 717 & 718 move to Line 153.

Line 146: "A/C deduct (daycare/library)" for typical code 816 move to Line 152 if it's for the "1st floor" and for typical code 816 move to Line 200 if it's for the "2nd floor" deduction.

Ag Building Main Area adjustments

As of 8/20/2008

The follow list of adjustments were reviewed and moved (where possible).

Some adjustments now have more than one choice depending of type of construction. Existing adjustments were not moved where more than one choice is available.

Other adjustments have been completely removed as "typical" for some pricing codes because they can now price with the main structure or by other means. Existing adjustments were also not removed, but the client should review the buildings priced under the given pricing code and determine if a change is needed.

The following is a key to Occupancy and Pricing codes used here. It is simply a duplicate of the occupancy table found in CAMAvision.

Occupancy	Pricing	Description
903	903	Addition to Bldg
904	904	Bin - Steel Grain Storage
905	905	Barn - Bank
906	906	Barn - Flat
907	907	Barn - Feed and Livestock
908	908	Lean-To
909	909	Barn - Dairy
910	910	Milk House
911	911	Milking Parlor
912	912	Barn - Confined Cattle
913	913	Barn - Pole
914	914	Shed - Loafing
915	915	Barn - Small
916	916	Shed - Hay
917	917	Swine Finish and Farrow (Old Style)
918	918	Confinement - Pre-Cut
919	919	Confinement - Enclosed Component
920	920	Confinement - Custom-Built
921	921	Confinement - Deluxe Open
922	922	Poultry House
923	923	Egg Laying
924	924	Machine or Utility Building
925	925	Steel Utility Building
926	926	Crib
927	927	Shed
928	928	Slurry - Porcelain Steel
929	929	Slurry - Concrete Stave
930	927	Building Owned by Others
931	931	Silo - Harvester
932	932	Silo - Concrete
933	933	Silo - Steel
934	934	Bin - Wire Grain Storage

Ag Building Main Area adjustments

As of 8/20/2008

935	935	Steel Bulk Feed Tank
936	936	Silage Trench/Bunker
937	937	Feeder Bunk
938	938	Mechanical Feeder
939	939	Concrete Pit - 4 Ft Depth
940	940	Concrete Pit - 6 Ft Depth
941	941	Concrete Pit - 8 Ft Depth
942	942	Concrete Pit - 10 Ft Depth
943	943	Bin - Grain Storage (Bushel)
944	944	Silo - Bushel priced
945	945	Concrete Pit - 2 Ft Depth
946	946	Reinforced Concrete Lagoon
947	947	Hoop House
948	948	Broiler House
949	949	Barn - Free Stall

Line 1: "Concrete Flr" for typical codes 905, 906, 907 & 915 move to Line 88 (Concrete floor complete area), for typical code 908 move to line 55 (concrete flr/fdn closed all), line 56 (conc flr open 3 sides) or line 94 (conc flr/fdn closed ends) depending on end type. Typical code 913 & 914 move to line 57 (concrete floor), typical code 916 move to line 58 and typical code 948 move to line 85 (concrete floor).

Line 7: "Earth Flr" for typical codes 909, 925 move to line 97 (Earth flr), typical code 917, 922, 924 & 927 move to line 59 (no flr), typical code 923 move to line 60 (no floor), typical code 934 move to line 87 (no floor), typical code 926 unchanged.

Line 8: "electricity" for typical code 908, 912 move to line 89 (electric), typical codes 913, 914, 927 move to line 86 (electric), typical code 925 move to line 61 (electric), typical code 926 unchanged, typical code 947 move to line 67 (hoop house electric)

Line 9: "no electricity" for typical codes 905 & 906 move to line 90, for typical code 907 & 915 move to line 62, for typical code 921 move to line 65, for typical code 909 move to line 63, for typical code 917 & 924 move to line 64, for typical code 922 move to line 66, for typical code 923 unchanged.

Line 15: "heating" for typical code 909 move to line 69 (heating), for typical codes 910 & 911 move to line 92, for typical code 924 move to line 70 (heating), for typical code 925 move to line 71 (heating).

Line 16: "insulation" for typical code 925 move to line 93 (insulation) and for typical code 948 move to line 72 (insulation).

Line 19: "loft" for typical codes 917 & 922. Not in manual. Review and possibly remove.

Line 23: "no feeder" for typical codes 918 & 920. Not in manual. Review and possibly remove.

Line 25: "no waterers" for typical codes 918 & 920. Not in manual. Review and possibly remove.

Ag Building Main Area adjustments

As of 8/20/2008

Line 27: "open side" for typical code 913 move to line 96 (open side per sf) and for typical code 924 move to line 80 (open side per sf).

Line 38: "concrete flr/fdn" for typical code 908 move to line 55 (concrete flr/fdn closed all), 56 (conc flr open 3 sides) or 94 (conc flr/fdn closed ends) depending on end type.

Line 40: "hoop house-enclosed ends" for typical code 947 now included with the prices for enclosed ends (per end). Review the buildings and possibly remove as an adjustment.

Line 44: "hoop house concrete floor" for typical code 947 move to line 95 (concrete flr 4") or line 81 (concrete flr 6") depending on depth.

Line 46: "attached enclosed walkways" for typical code 918 . Not in manual. Review and possibly remove.

Line 47: "interior offices" for typical code 918. Not in manual. Review and possibly remove.

Ag Extra Equipment

As of 8/20/2008

The follow list of adjustments were reviewed and moved (where possible).

Some adjustments now have more than one choice depending of type of construction. Existing adjustments were not moved where more than one choice is available.

Other adjustments have been completely removed as "typical" for some pricing codes because they can now price with the main structure or by other means. Existing adjustments were also not removed, but the client should review the buildings priced under the given pricing code and determine if a change is needed.

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903	903	Addition to Bldg
904	904	Bin - Steel Grain Storage
905	905	Barn - Bank
906	906	Barn - Flat
907	907	Barn - Feed and Livestock
908	908	Lean-To
909	909	Barn - Dairy
910	910	Milk House
911	911	Milking Parlor
912	912	Barn - Confined Cattle
913	913	Barn - Pole
914	914	Shed - Loafing
915	915	Barn - Small
916	916	Shed - Hay
917	917	Swine Finish and Farrow (Old Style)
918	918	Confinement - Pre-Cut
919	919	Confinement - Enclosed Component
920	920	Confinement - Custom-Built
921	921	Confinement - Deluxe Open
922	922	Poultry House
923	923	Egg Laying
924	924	Machine or Utility Building
925	925	Steel Utility Building
926	926	Crib
927	927	Shed
928	928	Slurry - Porcelain Steel
929	929	Slurry - Concrete Stave
930	927	Building Owned by Others
931	931	Silo - Harvestor
932	932	Silo - Concrete

Ag Extra Equipment

As of 8/20/2008

933	933	Silo - Steel
934	934	Bin - Wire Grain Storage
935	935	Steel Bulk Feed Tank
936	936	Silage Trench/Bunker
937	937	Feeder Bunk
938	938	Mechanical Feeder
939	939	Concrete Pit - 4 Ft Depth
940	940	Concrete Pit - 6 Ft Depth
941	941	Concrete Pit - 8 Ft Depth
942	942	Concrete Pit - 10 Ft Depth
943	943	Bin - Grain Storage (Bushel)
944	944	Silo - Bushel priced
945	945	Concrete Pit - 2 Ft Depth
946	946	Reinforced Concrete Lagoon
947	947	Hoop House
948	948	Broiler House
949	949	Barn - Free Stall

Line 5: "Overhead Door" for codes 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 917, 922, 923, 924, 926, 927 is no longer listed as a "typical."

Line 9: "Ventilator" typical code 922 move to line 90 and typical code 923 move to line 89.

Line 24: "Vertical auger" can be priced on main bldg screen for typical code 904. Consider removing as an adjustment.

Line 25: "electric spreader" can be priced on main bldg screen for typical code 904. Consider removing as an adjustment.

Line 26: "power sweep" can be priced on main bldg screen for typical code 904. Consider removing as an adjustment.

Line 27: "unloading system" can be priced on main bldg screen for typical code 904. Consider removing as an adjustment.

Line 28: "incline auger" can be priced on main bldg screen for typical code 904. Consider removing as an adjustment.

Line 29: "stirator" can be priced on main bldg screen for typical code 904. Consider removing as an adjustment.

Ag Extra Equipment

As of 8/20/2008

Line 71: "aeration floor" typical code 904 listed; however this can be priced on either main bldg screen and in the equipment. Consider removing as an adjustment.

Line 72: "plumbing fixtures each" typical code 910 move to line 11.

Line 81: "2.5" PVC Auger Pr/LF (20/50/75' DIA.)" Not for typical codes 918, 919, 920,921 in manual.

Line 82: "2.5" PVC Auger Pr/LF(100/150/200' DIA.)" Not for typical codes 918, 919, 920,921 in manual.

Line 83: "3" PVC Auger Pr/LF (20/50/75' DIA.)" Not for typical codes 918, 919, 920,921 in manual.

Line 84: "3" PVC Auger Pr/LF (100/150/200' DIA.)" Not for typical codes 918, 919, 920,921 in manual.

Line 85: "3.5" PVC Auger Pr/LF (20/50/75' DIA.)" Not for typical codes 918, 919, 920,921 in manual.

Line 86: "3.5" PVC Auger Pr/LF(100/150/200' DIA.)" Not for typical codes 918, 919, 920,921 in manual.

Line 87: "5" PVC Auger Pr/LF (20/50/75' DIA.)" Not for typical codes 918, 919, 920,921 in manual.

Line 88: "5" PVC Auger Pr/LF (100/150/200' DIA.)" Not for typical codes 918, 919, 920,921 in manual.