



Condo Layer Unit **“Enrichable” to “Enriched”**



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FDI “Condo” Enrichable Stacked Layer Cage ***Features & Benefits***

(Many other cage sizes and number of tiers available upon request)

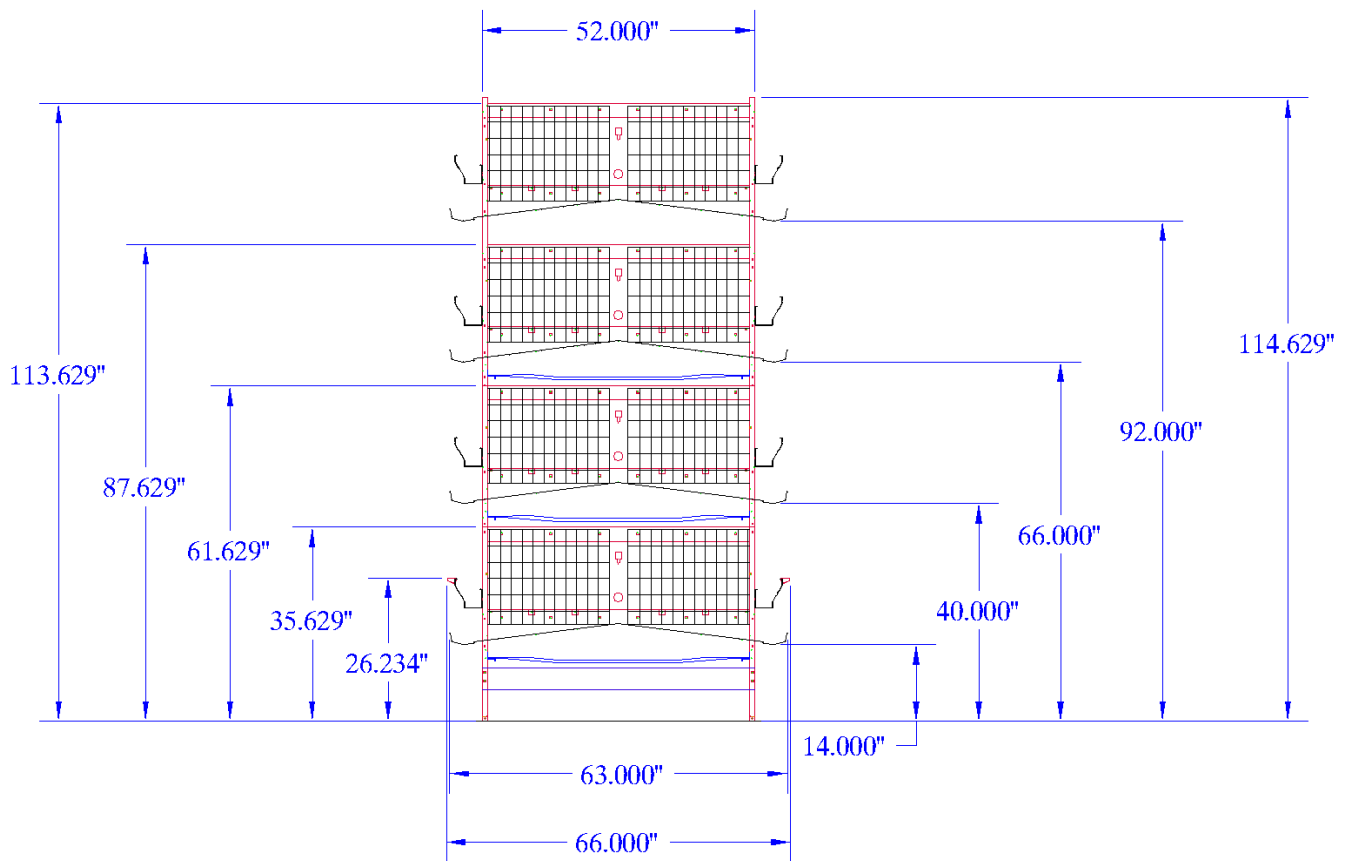
Condo Dimensions:

- Width 24” to 144” (24” increments)
- Depth with cage back 26”, 28 or 30”
- Height (back) 18 inches
- Floor Slope 7.5 Degrees
- Door Height 13.25 inches
- Door Width 23 inches

Condo Floors:

- Material Used 1” x 2” 14 Gauge Galvanized After Weld Wire Mesh
Tensile Strength – 107,000 PSI (737.743 kilopascal)
Weld Shear – 440 lbs. (199 kg)
Zinc Coating Weight – 1.03 oz. per foot (29 grams)

Note: Galvanized After Weld wire mesh is hot dipped galvanized after the welding process.



FDI Enriched Condo Layer Unit - Standard Features and Benefits:

- 12' Condo sections with HD legs to the floor every 2' on center
- 24" wide horizontal sliding doors make for easy access and visibility to the birds – one hand operation with positive dimple locks formed in the horizontal galvanized rods, no separate door latches to install or break (**spring loaded push in doors also available**)
- Cage legs every 2 feet provide the ability to add or remove the wire partitions without adding any additional structural supports
- Adjustable feet used for Condo leveling provide 1.5" of adjustment
- FDI full 4" wide egg trays have L-bend design to add strength and prevent egg belts from curling assuring eggs roll out
- Condo floors are constructed using 1" x 2" galvanized after weld (GAW) 14 gauge wire mesh for long life
- The design of the floors and floor support wires give the floors a walking effect reducing bird leg and foot injuries
- Condos assemble in an uncomplicated procedure due to design characteristics resulting in lower installation costs
- Includes wire mesh back divider panels for easier management of the birds
- Galvanized steel step rails **installed on the front edge of the lower feed trough** provide a step to view the upper tiers as well as protection from damage by bird carts
- The FDI "Enriched" Condo System meets or exceeds proposed EU requirements with items such as a dedicated nest area with curtains, nest pad, litter delivery system and scratch mat, additional feed trough space, perches, and breast plates with claw shorteners.



FDI Automatic chain feeding system

- FDI Pillar Feed Manifold – one common manifold supplies all levels of feed trough with a feed recycling wheel on each tier
- The recycling wheel mixes uneaten feed with fresh feed during the feeding cycle
- the 20 gauge (1mm) galvanized hi-lip feed trough has a swedged end for strength and ease of assembly – trough couplers are not required
- FDI feed trough and trough hangers will support the weight of an average size worker, allowing all levels of feed trough to be used as a step
- Hi-lip feed trough design minimizes feed waste by the birds
- Direct drive motors and gear boxes will drive the FDI feed chain, delivering feed at 20', 40' or 60' per minute – size and quantities of motors/gear boxes determined by length of row and number of tiers
- FDI manufactured flat chain feeding give the producer virtually unlimited options for bird stimulation and restrictive feed control
- Feed trough cleanouts located in the corner connecting trough which is located over the manure belts allow for simple clean up between flocks



Automatic Egg Collection – Fixed or Variable Egg Belt Speed:

- 4" woven polypropylene egg belts move eggs from the cage row to the collectors at up to 9 feet per minute
- The belts are driven by a 4" polyurethane roller with pinch roller which give positive traction for trouble free operation
- Each Lowerator is factory assembled to simplify installation
- Eggs from the 4" egg belts are transferred to a short rod set which will deposit the eggs, non-stop one at a time onto a cradle – egg dosing is not required
- With the openness of the Lowerator, soft shell eggs, manure or dirt on the egg belt will fall through the rod set into a collection tray on each level
- The FDI Lowerator offers adjustable unloading height to fit an overhead or floor mounted egg conveyors, and end of row hand packaging tables



Manure Removal:

- The drive units are constructed from a galvanized steel frame assembly and shipped pre-assembled for ease of installation
- Curtains on the drive units direct the manure to the cross pit below
- A .040” (1mm) thick UHMWPE belt contains and transports the manure from each tier
- The drive unit is designed to power manure belts in excess of 500 foot rows with minimal belt tension – greatly reducing stress on the belt and seam
- A minimal number of motors and gear boxes per row are used to power the manure belts **at 15 feet per minute**
- Extra wide manure rails help prevent manure from entering the cage or feed trough of the tiers below
- The manure belt idler end incorporates an auger cleaner system **powered by the idler roller** which removes dirt and feathers from between manure belts (optional)
- The manure belts are driven by 6” steel drive rollers (vulcanized rubber rollers optional) and **powered rubber pinch rollers** provide positive traction



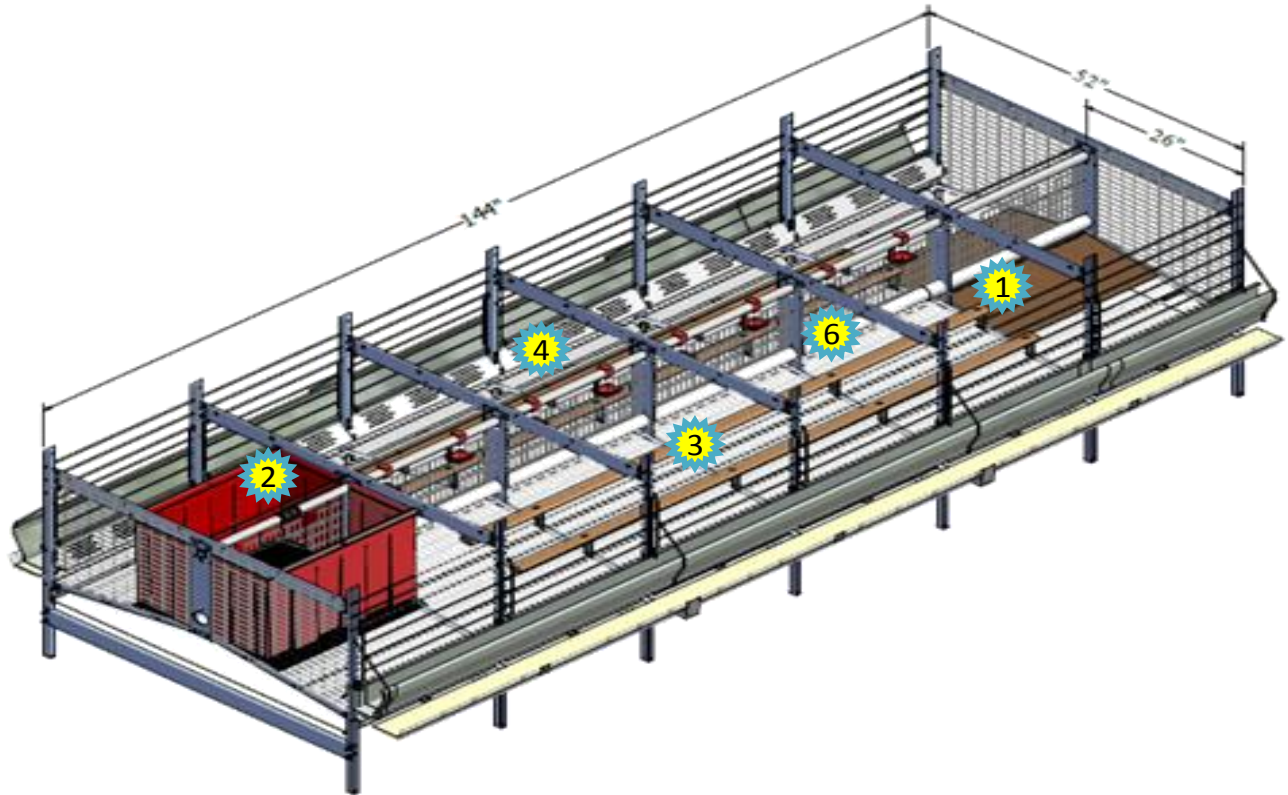
Watering:

- Lubing stainless steel nipple drinker watering system
- the water line is located over the cage back divider in square **28 mm** pipe
- drinker spacing is 12” giving each bird access to 2 drinkers
- a drip trough or Littergard cups are located under each drinker to catch any access water helping to keep manure dry
- pressure regulator header kits with stands and mounting brackets and flush breather kits
- Valco watering also available





“ENRICHABLE” to “ENRICHED”



- 1) Litter mat / scratch area with litter delivery auger***
- 2) Curtained nest area with nest pad provides privacy during laying.***
- 3) Specially designed solid plastic perches are manufactured from non-porous PVC which will prevent parasite growth and shaped to imitate a natural habitat***
- 4) Claw shorteners are integrated into the design of the egg guard (breast plate)***
- 5) Optional egg saver retaining system further minimizes egg checks (not shown)***
- 6) Litter delivery tube***

Small group “CONDO LIVING” for laying hens