WEC MFG
WHEN EXCELLENCE COUNTS

# Angle Iron Series

## Part 1: General

**1.1 Construction Requirements:** All lockers shall be powder – coated steel as design and manufactured by WEC, Memphis, Tennessee. WEC will furnish all labor and materials for the completion of work in this section as shown in the approved drawings and specifications.

**1.2 Qualifications of alternative lockers:** Will be evaluated only if they are submitted with supporting documents to show that they are equal or better than these specification standards.

**1.3 Warranty:** Lockers are warranted for a lifetime against defective parts and workmanship, excluding vandalism and improper installation and use.

**1.4 ADA Lockers:** Lockers are to meet the Americans with Disabilities Act, accessibility guidelines. They shall have recessed handles and shall be single tier or lower opening of a double tier locker. Locker bottom shall be a minimum of 9" off the floor, or an extra shelf placed 15" off the floor. Single tier lockers shall have a shelf 48" off the floor. Doors assigned for handicapped use shall have an appropriate symbol sign.

**1.5 Submittals:** Shop drawing shall show the following: Dimensioned drawings including plans, elevations, and sections to show locker locations and interfaces with adjacent substrates. Color charts will be provided representing manufactures full range of available colors and finishes.

**1.6 Delivery, Storage & Handling:** Store products in manufacture's unopened packaging until ready for installation to protect the locker finish and adjacent surfaces from damage.

## Part 2: Specified Product Detail All welded

**2.1 Acceptable Product:** WEC Angle Iron Series, all welded locker.

**2.2 Acceptable Manufacturer:** WEC, which is located at: P.O. Box 38190, Germantown, TN 38139; Phone: 901-367-3922; Fax: 901-367-3923; Email: sales@itswec.com; Web: www.itswec.com

**2.3 Material:** Steel parts shall be mild cold-rolled commercial quality steel, capable of taking a high grade enamel finish.

**2.3.1 Bolts and Nuts:** Zinc plated truss fin head bolts and hex nuts.

**2.4 Welded Lockers:** Pre-assemble lockers by welding into one piece structures in groupings most practical for job requirements, welds free of burrs; maximum width of groups to be 54"; no bolts, nuts or rivets allowed in assembly of main locker groups.

**2.4.1** Fabricate lockers square, rigid, without warp, with metal faces flat and free of distortion.

**2.5 Door Frames:** Shall be continuous 1"x1"x1/8" pretreated angle iron steel.

**2.6 Door:** 14 gauge steel with double bends on vertical sides and a single bend on horizontal sides.

**2.7 Ventilation:** All sides and doors 20" or higher shall be perforated with diamond shaped perforations. Optional solid doors and sides. Optional ventilation patterns available upon request.

**2.8 Body**: Steel specially formed for added strength and rigidity and to ensure tight joints at fastening points.

**2.8.1 Bottoms**: 16 gauge sheet steel, with three sides formed 90 degrees, the front offset formed to be flush with horizontal frame members.

**2.8.2 Tops:** 16 gauge sheet steel, with three sides formed 90 degrees, the front offset formed to be flush with horizontal frame members. One continuous flat top for each group of lockers.

**2.8.3 Sides:** 14 gauge sheet steel with diamond shaped perforations.

**2.8.4 Backs**: 18 gauge sheet steel

**2.8.5 Shelves:** 16 gauge sheet steel. With four sides formed to 90 degrees, front edge having a second bend.

**2.8.7 Integral Metal Base:** 4" high 16 gauge steel channel, welded to the locker bottom.

**2.9 Door Handle and Latching:**

**2.9.1** Single Point Latching with Recessed Handle with integral pocket and pull 20 gauge brushed stainless steel securely fastened to door with two lugs and a positive tamper resistant decorative fastener. Pocket Depth shall be sufficient to prevent a combination padlock, built in combination lock, or key lock from protruding beyond door face. Pull formed in pocket. Padlock staple protruding through pocket. Provide lock hole cover plate for use with padlocks. Locking device 11 gauge steel hasp welded to locker frame; include surface for engaging the bolt of a built in combination or key lock and anti pry lug and slot to deter prying open when locked. Firmly secure rubber silencers to locker frame.

**2.9.2** 3 point Cremone Multipoint Latch provides an unbreakable steel handle welded securely to a 3 point cremone type latch mechanism. Latching rods 3/8" in diameter shall engage top and bottom edge of locker frame: a 1/8" thick center latch shall engage the locker jamb, enabling door to latch on three sides. Mechanism must be compatible for padlocks and built in deadbolt locks.

**2.10 Hinges:** Shall be 16 gauge full length continuous piano type riveted to both door and frame. Hinge shall maximize security and enhance resistance to abuse and vandalism. Optional 2" high, double spun, full loop tight pin, five knuckle butt hinge. Welded to frame and riveted to door.

**2.11 Box Lockers:** Door shall be 14 gauge steel, punched for built in lock or padlock. Equip doors for use with padlocks with an 18 gauge combination door pull, staple, and lock hole cover plate with integral friction.

**2.12 Interior Equipment:** Lockers 20" or more in height shall have a full width shelf, one double prong ceiling hook and two single prong wall hooks.

**2.12.1** Lockers over 15" wide shall have a double prong ceiling hook and four single prong wall hooks.

**2.13 Number Plates:** Provide holes for attaching number plates. Each locker shall have a polished aluminum number plate riveted to door face with black numerals 1/2" high.

**2.14 Finish:** All components shall have a 2mm hybrid epoxy/polyester powder, electro-statically applied to ensure a uniform finished and baked to cure.

**2.15 Color:** Doors and all body parts shall be selected from WEC's standard color range.

**2.15.1** Custom colors optional.

**Part 3: Accessories & Options**

**3.1 Continuous Sloped Hoods:** 18 gauge steel, slope rise equal to 1/3 of the locker depth (18.5 degrees), plus a 1" vertical rise at front. Supplied in 72" lengths only. Slip joints without visible fasteners at splice locations. Provide necessary end closures and finish to match lockers.

**3.2 16 Gauge Exposed End Panels:** Minimum 16 gauge steel formed to match locker depth and height. Punched with perimeter holes only.

**3.3 Finished Box End Panels:** Minimum 16 gauge steel formed to match locker depth and height, 1" edge dimension; finish to match lockers; install with concealed fasteners.

**3.4 Front Fillers:** 20 gauge steel formed in an angle shape, with 20 gauge slip joint angles formed in an angle shape with double bend on one leg forming a pocket to provide adjustable mating with angle filler. Attachment by means of concealed fasteners. Finish to match lockers.

**3.5 Top Fillers:** 20 gauge steel. Cover gasp between tops of lockers. They overlap the locker tops and can be field cut.

**3.6 Recess Trim:** 18 gauge steel, 3" face dimension. Vertical and/or horizontal as required. Standard lengths as long as practical; attaches to lockers with concealed clips. Provide necessary finish caps and splices. Finish to match lockers.

**3.7 Benches:** Laminated selected hardwood, 1-1/4" full finished thickness, corners rounded and sanded, surfaces finished with two coats of clear lacquer.

**3.8 Heavy Duty Bench Pedestals:** Steel tubing with 10 gauge steel flanges welded to each end, 16-1/4" high, and finish to match lockers.
**3.9 Stainless Steel Free-Standing Bench Pedestal:** 2" diameter brushed 16 gauge stainless steel formed into a trapezoid, 14" wide bottom with two 5/16" diameter holes, top flange with four 5/16" diameter holes for fastening to bench.
**3.10 Locks:** Built in flat key locks; master key same to series.
**3.11 Locks:** Built in grooved key Locks (pin tumbler); master key to same series.
**3.12 Locks:** Built in three number dialing combination locks capable of at least five different combinations changes; provide master key, combination change key, and combination control charts.
**3.13 Padlocks:** Master keyed three number dialing combination type padlocks; provide master key. Mechanism must be resistant to "shimming".

**4. Execution**
**4.1 Preparation**: Verify that base is level. Do not begin installation until base has been properly prepared.
**4.1.1** Clean surfaces thoroughly prior to installation. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
**4.2 Installation:** Lockers shall be installed in compliance with WEC's installation instructions and shall be level and plumb with flush surfaces and rigid attachment to anchoring surfaces.
**4.2.1** Bolt adjoining locker units together to provide rigid installation.
**4.2.2** Install sloping tops and metal fillers using concealed fasteners. Provide flush hairline joints against adjacent surfaces.
**4.2.3** Install benches by fastening bench tops to pedestals and securely anchoring to the floor using appropriate anchors for the floor material.
**4.3 Anchoring:** Anchor lockers to floor and wall.
**4.4 Assembly:** Assembly by bolting is acceptable, WEC recommends assembly by riveting. Rivets provide solid permanent fastening but allow for faster removal by drilling where future rearrangement of lockers or replacement of damage parts may be required.
**4.5 Adjust and Clean:** Adjust doors and latches to operate without binding. Verify that latches are operating satisfactory.
**4.5.1** Adjust built in locks to prevent binding of dial or key and ensure smooth operation prior to substantial completion.
**4.6 Touch up:** With factory supplied paint and repair or replace damage products before substantial completion.
**4.7Protection:** Protect installed products until completion of project.

**End of Section**