



SPECIFICATION GUIDELINE

Updated: December 2020

CSI Sections: 09 22 36 – Metal Lath
09 24 00 - Cement Plastering

PART 1.03 - REFERENCE STANDARD

1. ASTM C933 Standard Specification for Welded Wire Lath.
2. ASTM C1063 Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement Based Plaster.
3. ASTM A641 Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire.

PART 2 – PRODUCTS

Section 2.1 MANUFACTURERS

- A. Welded Wire Lath – ASTM C933, Class 1 Galvanized complying with ASTM A641
 1. Structa Wire Corp. Welded Wire Lath
 2. As per IAPMO – UES 2017

Section 2.2 Metal Lath

a) Structalath No 17. SF CR III:

1. Weight 1.0 lb/yd² (0.5 kg/sq.m)
2. Finish – Class 1 Galvanized Coating complying with ASTM A641
3. Alternate lath to 1.14 lb/yd² welded wire lath specified in ASTM C933
4. As per IAPMO – UES 2017

b) Structalath 316 SF CR - 3/16 furr depth for One Coat applications

1. Weight 1.0 lb/yd² (0.5 kg/sq.m)
2. Finish – Class 1 Galvanized Coating complying with ASTM A641
3. Alternate lath to 1.14 lb/yd² welded wire lath specified in ASTM C933
4. As per IAPMO – UES 2017

c) Structalath Twin Trac 2.5

1. Weight 1.14 lb/yd² (0.62 kg/sq.m)
2. Finish – Class 1 Galvanized Coating complying with ASTM A641
3. Alternate lath to 2.5 lb/yd² diamond mesh metal lath specified in ASTM C 847



4. As per IAPMO – UES 2017

d) Structa Mega Lath

1. Weight 1.95 lb/yd² (1.1 kg/sq.m)
2. Finish – Class 1 Galvanized Coating complying with ASTM A641
3. Alternate lath to 3.4 lb/yd² diamond mesh metal lath specified in ASTM C847
4. As per IAPMO – UES 2017

e) V Truss Wall & Ceiling – Rib Lath

1. Weight 2.2 lb/yd² (1.2 kg/sq.m)
2. Finish – Class 1 Galvanized Coating complying with ASTM A641
3. Alternate lath to 3.4 lb/yd² rib metal lath specified in ASTM C847
4. As per IAPMO – UES 2017

f) V Truss Corners – Exterior Corner Reinforcements

1. Available in Straight, Bullnose, Arch & One Coat profiles
2. Finish – Class 1 Galvanized Coating complying with ASTM A641
3. As per IAPMO – UES 2017



PART 3 - EXECUTION

Section 3.01 Installation

a) Structalath III

Installation as per UES 2017 - The lath shall be applied to vertical surfaces having wood or metal supports or to horizontal wood, metal or concrete supports. The maximum support spacing shall be 16 inches (406 mm) center to center. Fastener type and spacing shall comply with ASTM C1063 or IRC Section R703.6.1 as applicable for welded wire lath, except that the fasteners shall attach the lath to the framing supports either at the furring crimps on the vertical cross wires, at the intersection of the longitudinal wire and cross wire, or at any point along the longitudinal wire. **Refer to current manufacturers instructions posted @ <http://www.structawire.com>**

a) Structalath III 316

Installation as per UES 2017 - Fastener type and spacing as per ASTM C 1063 except that fasteners may attach to the lath to framing supports either at the furring crimps on the vertical cross wire, at the intersection of the longitudinal wire and cross wire or any point along the longitudinal wires. Maximum spacing of supports 16" OC. **Refer to current manufacturer's instructions posted @ <http://www.structawire.com>**

b) Structalath Twin Trac 2.5

Installation as per UES 2017 - The lath shall be applied to vertical surfaces having wood or metal supports or to horizontal wood, metal or concrete supports. For use as an alternative to the 2.5 lb/yd² (1.4 kg/m²) diamond mesh metal lath, the maximum support spacing shall comply with Table 3 of ASTM C1063 for 2.5 lb/yd² (1.4 kg/m²) diamond mesh metal lath. The fastener type and spacing shall comply with ASTM C1063 or IRC Section R703.6.1 as applicable for diamond mesh metal lath, except that the fasteners shall attach the lath to the framing supports either at the furring crimps on the vertical cross wires, or at the intersection of the longitudinal wire and cross wire; or the lath may be installed by placing a nail or screw fastener between the two Twin Trac longitudinal wires, or a staple over any longitudinal wire.

For use as an alternative to the 1.14 lb/yd² (0.618 kg/m²) welded wire lath, the maximum support spacing shall comply with Table 3 of ASTM C1063 for 1.14 lb/yd² (0.618 kg/m²) welded wire lath. **Refer to current manufacturer's instructions posted @ <http://www.structawire.com>**

c) Structa Mega Lath

Installation as per UES 2017 - The lath shall be applied to vertical surfaces having wood or metal supports or to horizontal wood, metal, or concrete supports. For use as an alternative to the 1.95 lb/yd² (0.993 kg./m²) welded wire lath specified in ASTM C933 the maximum support spacing shall be in accordance with Table 3 of ASTM C1063 for 1.95 lb/yd² (1.1 kg./m²) welded wire lath. Fastener type and spacing shall be as specified in ASTM C1063 or IRC Section R703.6.1 as applicable for 1.95 lb/yd² (1.1 kg./m²) welded wire lath, except that the fasteners shall attach to the lath to the framing supports either between the primary and secondary longitudinal wires, or there shall be a staple over any longitudinal wire. The lath shall be lapped a minimum of one mesh at sides. Ends shall be lapped a minimum of one mesh and shall occur over supports. **Refer to current manufacturer's instructions posted @ <http://www.structawire.com>**

Vertical Installation as per UES 2017 - Structa Mega Lath may be applied to vertical surfaces having horizontal metal support members (furring). The minimum metal thickness of the supports is No. 20 gauge [0.0359 inch (0.91 mm)]. For use as an alternative to the 1.95 lb/yd² (0.993 kg/m²) welded wire lath, the maximum support spacing shall be in accordance with Table 3 of ASTM C1063 for 1.95 lb/yd² (1.1 kg/m²) welded wire lath. For use as an alternative to the 1.4 lb/yd² (0.8 kg/m²) woven wire lath, the maximum support spacing shall be in accordance with Table 3 of ASTM C1063 for 1.4 lb/yd² (0.8 kg/m²) woven wire lath. For use as an alternative to 3.4 lb/yd² (1.8 kg/m²) diamond mesh metal lath, the maximum support spacing shall be in accordance with Table 3 of ASTM C1063 for 3.4 lb/yd² (1.8 kg/m²) diamond mesh metal lath. The long dimension of the lath shall be installed in a vertical orientation, with screw fastener type and spacing complying with ASTM C1063 or IRC Section R703.6.1 as applicable. Fasteners shall be located between the primary and secondary longitudinal wires and be long enough to penetrate metal support members. A minimum of 75 percent of the fasteners shall be positioned directly below the cross-wire wire. The horizontal metal support system shall be designed to support the gravity loads of the plaster-lath matrix and to resist wind loads in accordance with IBC or IRC. **Refer to current manufacturer's instructions posted @ <http://www.structawire.com>**

d) V Truss Wall and Ceiling Lath (Structa Rib Lath)

Installation as per UES 2017 - The lath shall be applied to vertical surfaces having wood or metal supports or to horizontal wood, metal, or concrete supports. For use as an alternative to the 3/8-inch (9.6 mm), 3.4 lb/yd² (1.8 kg/m²) rib metal lath, the maximum support spacing shall be in accordance with Table 3 of ASTM C1063 for 3/8-inch (9.6 mm), 3.4 lb/yd² (1.8 kg/m²) rib metal lath. Fastener type and spacing shall comply with ASTM C1063 or IRC Section R703.6.1 as applicable for rib metal lath, except that the fasteners shall attach the lath to the framing supports at every second rib, either at the furring crimps on the vertical cross wires, at the intersection of the longitudinal wire and cross wire, or at any point along the longitudinal wire that is welded to the furring crimp. The lath shall be lapped a minimum of one mesh at sides. End laps shall be a minimum of one mesh and shall occur over supports. The ends of sheets shall be staggered between courses. **Refer to current manufacturer's instructions posted @ <http://www.structawire.com>**