L-Angle Steel Frames

1. PYROSTOP GLAZING: 60 MINUTE - 7/8" (23mm) OR PYROSTOP GLAZING: 60 MINUTE - 1-1/16" (27mm)

2. 1-1/16" x 4" x 1/4" HARDWOOD SETTING BLOCK

3. STEEL ANGLES CAN BE COVERED WITH WOOD, ALUMINUM OR OTHER TYPES OF NON-COMBUSTIBLE TRIM

4. BITE: 3/8" MINIMUM

5. EDGE CLEARANCE: 1/4" AT PERIMETER

6. 5/8" TYPE 'X' GYPSUM BOARD (ONE LAYER)

7. #12 x 1-1/2" PHILLIPS FLAT HEAD SCREW 10" - 12" ON CENTER

8. 18 GAUGE X 3-1/2" MINIMUM STEEL RUNNER CONTINUOUS LENGTHS

9. SILICONE SEALANT (CONTINUOUS)

10. 1/8" x 3/8" CLOSED CELL PVC TAPE

11. .040" X 5/8" MINIMUM X 5/8" MINIMUM CONTINUOUS STEEL ANGLE

**GENERAL INFORMATION**

1. FOR INTERIOR USE IN SINGLE OPENINGS IN 60 MINUTE RATED WOOD/STEEL/STUD/GYPSUM BOARD OR MASONRY ASSEMBLIES.

2. **MAX. EXPOSED AREA PER PIECE (Sq. In. / Sq. Ft.)**
   5,605 / 36.92
   **MAX. WIDTH OF EXPOSED GLAZING PER PIECE (In.)**
   95"
   **OR**
   **MAX. HEIGHT OF EXPOSED GLAZING PER PIECE (In.)**
   95"

3. TESTED PER THE FOLLOWING STANDARDS: ASTM E-119 AND UL263

5. ADDITIONAL INFORMATION REGARDING PYROSTOP CAN BE OBTAINED AT WWW.FIREGLASS.COM UNDER THE GLASS SECTION OF THE PRODUCTS MENU LOCATED AT THE TOP OF THE PAGE.
1. **PYROSTOP GLAZING**: 45 MINUTE - 3/4" (19mm)

2. 3/4" x 4" x 1/4" HARDWOOD SETTING BLOCK

3. STEEL ANGLES CAN BE COVERED WITH WOOD, ALUMINUM OR OTHER TYPES OF NON-COMBUSTIBLE TRIM

4. BITE: 3/8" MINIMUM

5. EDGE CLEARANCE: 1/4" AT PERIMETER

6. 5/8" TYPE 'X' GYPSUM BOARD (ONE LAYER)

7. #12 X 1-1/2" PHILLIPS FLAT HEAD SCREW 10° - 12" ON CENTER

8. 18 GAUGE x 3-1/2" MINIMUM STEEL STUD WITH 1-1/4" LEGS, CONTINUOUS, NESTED WITH STEEL RUNNER

9. 18 GAUGE x 3-1/2" MINIMUM STEEL RUNNER WITH 1-1/4" LEGS, CONTINUOUS

10. SILICONE SEALANT (CONTINUOUS)

11. 1/8" x 3/8" CLOSED CELL PVC TAPE

12. .040" X 5/8" MINIMUM X 5/8" MINIMUM CONTINUOUS STEEL ANGLE

### GENERAL INFORMATION

1. FOR INTERIOR USE IN SINGLE OPENINGS IN 45 MINUTE RATED WOOD/STEEL/STUD/GYPSUM BOARD OR MASONRY ASSEMBLIES.

2. **MAX. EXPOSED AREA PER PIECE (Sq. In. / Sq. Ft.)**
   
   | 4,500 | 31.25 |

   **MAX. WIDTH OF EXPOSED GLAZING PER PIECE (In.)**

   | 95-1/4" |

   **MAX. HEIGHT OF EXPOSED GLAZING PER PIECE (In.)**

   | 95-1/4" |

3. ADDITIONAL INFORMATION REGARDING **PYROSTOP** CAN BE OBTAINED AT [WWW.FIREGLASS.COM](http://WWW.FIREGLASS.COM) UNDER THE **GLASS** SECTION OF THE **PRODUCTS MENU** LOCATED AT THE TOP OF THE PAGE.
1. **PYROSTOP GLAZING: 45 MINUTE - 3/4” (19mm)**

2. 3/4" x 4" x 1/4" HARDWOOD SETTING BLOCK

3. STEEL ANGLES CAN BE COVERED WITH WOOD, ALUMINUM OR OTHER TYPES OF NON-COMBUSTIBLE TRIM

4. BITE: 3/8" MINIMUM

5. EDGE CLEARANCE: 1/4" AT PERIMETER

6. 5/8" TYPE ‘X’ GYPSUM BOARD (ONE LAYER)

7. #12 X 1-1/2" PHILLIPS FLAT HEAD SCREW 10" - 12" ON CENTER

8. 18 GAUGE x 3-1/2" MINIMUM STEEL RUNNER CONTINUOUS LENGTHS

9. SILICONE SEALANT (CONTINUOUS)

10. 1/8" x 3/8" CLOSED CELL PVC TAPE

11. .040" X 5/8" MINIMUM X 5/8" MINIMUM CONTINUOUS STEEL ANGLE

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**GENERAL INFORMATION**

1. FOR INTERIOR USE IN SINGLE OPENINGS IN 45 MINUTE RATED WOOD/STEEL/STUD/GYPSUM BOARD OR MASONRY ASSEMBLIES.

2. **MAX. EXPOSED AREA PER PIECE (Sq. In. / Sq. Ft.)**
   
   4,500 / 31.25

   **MAX. WIDTH OF EXPOSED GLAZING PER PIECE (In.)**
   
   95-1/4”

   **OR**

   **MAX. HEIGHT OF EXPOSED GLAZING PER PIECE (In.)**

   95-1/4”

3. ADDITIONAL INFORMATION REGARDING **PYROSTOP** CAN BE OBTAINED AT [WWW.FIREGLASS.COM](http://WWW.FIREGLASS.COM) UNDER THE **GLASS** SECTION OF THE **PRODUCTS MENU** LOCATED AT THE TOP OF THE PAGE.
1. PYROSTOP GLAZING: 60 MINUTE - 7/8" (23mm) OR PYROSTOP GLAZING: 60 MINUTE - 1-1/16" (27mm)

2. 3/4" x 4" x 1/4" HARDWOOD SETTING BLOCK

3. STEEL ANGLES CAN BE COVERED WITH WOOD, ALUMINUM OR OTHER TYPES OF NON-COMBUSTIBLE TRIM

4. BITE: 3/8" MINIMUM

5. EDGE CLEARANCE: 1/4" AT PERIMETER

6. 5/8" TYPE 'X' GYPSUM BOARD (ONE LAYER)

7. #12 X 1-1/2" PHILLIPS FLAT HEAD SCREW 10" - 12" ON CENTER

8. 18 GAUGE x 3-1/2" MINIMUM STEEL STUD WITH 1-1/4" LEGS, CONTINUOUS, NESTED WITH STEEL RUNNER

9. 18 GAUGE x 3-1/2" MINIMUM STEEL RUNNER WITH 1-1/4" LEGS, CONTINUOUS

10. SILICONE SEALANT (CONTINUOUS)

11. 1/8" x 3/8" CLOSED CELL PVC TAPE

12. .040" X 5/8" MINIMUM X 5/8" MINIMUM CONTINUOUS STEEL ANGLE

**GENERAL INFORMATION**

1. FOR INTERIOR USE IN SINGLE OPENINGS IN 60 MINUTE RATED WOOD/STEEL/STUD/GYPSUM BOARD OR MASONRY ASSEMBLIES.

2. MAX. EXPOSED AREA PER PIECE (Sq. In. / Sq. Ft.) 5,605 / 38.92

   MAX. WIDTH OF EXPOSED GLAZING PER PIECE (In.) 95"

   OR

   MAX. HEIGHT OF EXPOSED GLAZING PER PIECE (In.) 95"

3. TESTED PER THE FOLLOWING STANDARDS: ASTM E-119 AND UL263

4. ADDITIONAL INFORMATION REGARDING PYROSTOP CAN BE OBTAINED AT WWW.FIREGLASS.COM UNDER THE GLASS SECTION OF THE PRODUCTS MENU LOCATED AT THE TOP OF THE PAGE.
1. PYROSTOP GLAZING: 90 MINUTE - 1-9/16" (40mm)

2. 1-1/2" x 4" x 1/4" HARDWOOD SETTING BLOCK

3. STEEL ANGLES CAN BE COVERED WITH WOOD, ALUMINUM OR OTHER TYPES OF NON-COMBUSTIBLE TRIM

4. BITE: 3/8" MINIMUM

5. EDGE CLEARANCE: 1/4" AT PERIMETER

6. 5/8" TYPE 'X' GYPSUM BOARD (TWO LAYERS)

7. #12 X 2" PHILLIPS FLAT HEAD SCREW

10" - 12" ON CENTER

8. 18 GAUGE x 3-1/2" MINIMUM STEEL RUNNER CONTINUOUS LENGTHS

9. SILICONE SEALANT (CONTINUOUS)

10. 1/8" x 3/8" CLOSED CELL PVC TAPE

11. .040" X 5/8" MINIMUM X 5/8" MINIMUM CONTINUOUS STEEL ANGLE

GENERAL INFORMATION

1. FOR INTERIOR USE IN SINGLE OPENINGS IN 90 MINUTE RATED WOOD/STEEL/STUD/GYPSUM BOARD OR MASONRY ASSEMBLIES.

2. MAX. EXPOSED AREA PER PIECE (Sq. In. / Sq. Ft.)

   3.172 / 25.86

   MAX. WIDTH OF EXPOSED GLAZING PER PIECE (In.)

   89-3/4"

   OR

   MAX. HEIGHT OF EXPOSED GLAZING PER PIECE (In.)

   89-3/4"

3. TESTED PER THE FOLLOWING STANDARDS: ASTM E-119 AND UL 263

4. ADDITIONAL INFORMATION REGARDING PYROSTOP CAN BE OBTAINED AT WWW.FIREGLASS.COM UNDER THE GLASS SECTION OF THE PRODUCTS MENU LOCATED AT THE TOP OF THE PAGE.
1. PYROSTOP GLAZING: 120 MINUTE • 2-1/8" (54mm)

2. 2-1/8" x 4" x 1/4" HARDWOOD SETTING BLOCK

3. STEEL ANGLES CAN BE COVERED WITH WOOD, ALUMINUM OR OTHER TYPES OF NON-COMBUSTIBLE TRIM

4. BITE: 3/8" MINIMUM

5. EDGE CLEARANCE: 1/4" AT PERIMETER

6. 5/8" TYPE 'X' GYPSUM BOARD (TWO LAYERS)

7. #12 X 2" PHILLIPS FLAT HEAD SCREW 10" - 12" ON CENTER

8. 18 GAUGE X 3-1/2" MINIMUM STEEL RUNNER CONTINUOUS LENGTHS

9. SILICONE SEALANT (CONTINUOUS)

10. 1/8" X 3/8" CLOSED CELL PVC TAPE

11. .040" X 5/8" MINIMUM X 5/8" MINIMUM CONTINUOUS STEEL ANGLE

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**GENERAL INFORMATION**

1. FOR INTERIOR USE IN SINGLE OPENINGS IN 120 MINUTE RATED WOOD/STEEL/STUD/GYPSUM BOARD OR MASONRY ASSEMBLIES.

2. **MAX. EXPOSED AREA PER PIECE (Sq. In. / Sq. Ft.):**
   - 3724 / 25.86

   **MAX. WIDTH OF EXPOSED GLAZING PER PIECE (In.):** 111" OR
   - MAX. HEIGHT OF EXPOSED GLAZING PER PIECE (In.): 111"

3. TESTED PER THE FOLLOWING STANDARDS: **ASTM E-119 AND UL 263**

4. ADDITIONAL INFORMATION REGARDING **PYROSTOP** CAN BE OBTAINED AT **WWW.FIREGLASS.COM** UNDER THE GLASS SECTION OF THE PRODUCTS MENU LOCATED AT THE TOP OF THE PAGE.
1. PYROSTOP GLAZING: 120 MINUTE - 2-1/8" (54mm)

2. 2-1/8" x 4" x 1/4" HARDWOOD SETTING BLOCK

3. STEEL ANGLES CAN BE COVERED WITH WOOD, ALUMINUM OR OTHER TYPES OF NON-COMBUSTIBLE TRIM

4. BITE: 3/8" MINIMUM

5. EDGE CLEARANCE: 1/4" AT PERIMETER

6. 5/8" TYPE ‘X’ GYPSUM BOARD (TWO LAYERS)

7. #12 X 1 1/2" or 2" (AS REQUIRED) PHILLIPS FLAT HEAD SCREW, 10" - 12" ON CENTER.

8. 18 GAUGE x 3-1/2" MINIMUM STEEL RUNNER WITH 1-1/4" LEGS, CONTINUOUS

9. 18 GAUGE x 3-1/2" MINIMUM STEEL STUD WITH 1-1/4" LEGS, CONTINUOUS, NESTED WITH STEEL RUNNER

10. SILICONE SEALANT (CONTINUOUS)

11. 1/8" x 3/8" CLOSED CELL PVC TAPE

12. .040" X 5/8" MINIMUM X 5/8" MINIMUM CONTINUOUS STEEL ANGLE

GENERAL INFORMATION

1. FOR INTERIOR USE IN SINGLE OPENINGS IN 120 MINUTE RATED WOOD/STEEL/STUD/GYPSUM BOARD OR MASONRY ASSEMBLIES.

2. MAX. EXPOSED AREA PER PIECE (Sq. In. / Sq. Ft.) 3724 / 25.86

3. TESTED PER THE FOLLOWING STANDARDS: ASTM E-119 AND UL 263

4. ADDITIONAL INFORMATION REGARDING PYROSTOP CAN BE OBTAINED AT WWW.FIREGLASS.COM UNDER THE GLASS SECTION OF THE PRODUCTS MENU LOCATED AT THE TOP OF THE PAGE.
1. **PYROSTOP GLAZING**: 120 MINUTE - 2-1/8" (54mm)

2. 2-1/8" x 4" x 1/4" HARDWOOD SETTING BLOCK

3. .040" X 2-7/16" MINIMUM X 5/8" MINIMUM CONTINUOUS STEEL ANGLE

4. BITE: 3/8" MINIMUM

5. EDGE CLEARANCE: 1/4" AT PERIMETER

6. 1" CORE BOARD

7. #12 X 2" PHILLIPS FLAT HEAD SCREW
   10" - 12" ON CENTER

8. 18 GAUGE x 3-1/2" MINIMUM STEEL RUNNER
   CONTINUOUS LENGTHS

9. SILICONE SEALANT (CONTINUOUS)

10. 1/8" x 3/8" CLOSED CELL PVC TAPE

11. .040" X 5/8" MINIMUM X 5/8" MINIMUM CONTINUOUS STEEL ANGLE

12. STEEL ANGLES CAN BE COVERED WITH
    WOOD, ALUMINUM OR OTHER TYPES OF
    NON-COMBUSTIBLE TRIM

13. 1/2" TYPE "X" GYPSUM BOARD (TWO LAYERS)

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**MAY BE USED IN SHAFT WALL LOCATIONS**

### GENERAL INFORMATION

1. FOR INTERIOR USE IN SINGLE OPENINGS IN 120 MINUTE RATED WOOD/STEEL/STUD/GYPSUM BOARD OR MASONRY ASSEMBLIES.

2. **MAX. EXPOSED AREA PER PIECE (Sq. In. / Sq. Ft.)**
   3724 / 25.86

   **MAX. WIDTH OF EXPOSED GLAZING PER PIECE (In.)**
   111"

   OR

   **MAX. HEIGHT OF EXPOSED GLAZING PER PIECE (In.)**
   111"

3. TESTED PER THE FOLLOWING STANDARDS: ASTM E-119 AND UL 263

4. ADDITIONAL INFORMATION REGARDING **PYROSTOP** CAN BE OBTAINED AT **WWW.FIREGLASS.COM** UNDER THE **GLASS** SECTION OF THE **PRODUCTS MENU** LOCATED AT THE TOP OF THE PAGE.
1. PYROSTOP GLAZING: 60 MINUTE - 7/8" (23mm) OR
   PYROSTOP GLAZING: 60 MINUTE - 1-1/16" (27mm)

2. 1-1/16" x 4" x 1/4" HARDWOOD SETTING BLOCK

3. .040" X 2-7/16" MINIMUM X 5/8" MINIMUM
   CONTINUOUS STEEL ANGLE

4. BITE: 3/8" MINIMUM

5. EDGE CLEARANCE: 1/4" AT PERIMETER

6. 1" CORE BOARD

7. #12 X 2" PHILLIPS FLAT HEAD SCREW
   10" - 12" ON CENTER

8. 18 GAUGE X 3-1/2" MINIMUM STEEL RUNNER
   CONTINUOUS LENGTHS

9. SILICONE SEALANT (CONTINUOUS)

10. 1/8" x 3/8" CLOSED CELL PVC TAPE

11. .040" X 5/8" MINIMUM X 5/8" MINIMUM
    CONTINUOUS STEEL ANGLE

12. STEEL ANGLES CAN BE COVERED WITH
    WOOD, ALUMINUM OR OTHER TYPES OF
    NON-COMBUSTIBLE TRIM

13. 1/2" TYPE "X" GYPSUM BOARD (TWO LAYERS)

**GENERAL INFORMATION**

1. FOR INTERIOR USE IN SINGLE OPENINGS IN 60 MINUTE RATED WOOD/STEEL/STUD/GYPSUM BOARD OR MASONRY ASSEMBLIES.

2. **MAX. EXPOSED AREA PER PIECE (Sq. In. / Sq. Ft.)**
   5,605 / 38.92

3. **MAX. WIDTH OF EXPOSED GLAZING PER PIECE (In.)**
   95"

OR

4. **MAX. HEIGHT OF EXPOSED GLAZING PER PIECE (In.)**
   95"

3. ADDITIONAL INFORMATION REGARDING PYROSTOP CAN BE OBTAINED AT [WWW.FIREGLASS.COM](http://WWW.FIREGLASS.COM) UNDER THE
   GLASS SECTION OF THE PRODUCTS MENU LOCATED AT THE TOP OF THE PAGE.
1. FOR INTERIOR USE IN SINGLE OPENINGS IN 120 MINUTE RATED WOOD/STEEL/STUD/GYPSUM BOARD OR MASONRY ASSEMBLIES.

2. MAX. EXPOSED AREA PER PIECE (Sq. In. / Sq. Ft.) 5,605 / 38.92
MAX. WIDTH OF EXPOSED GLAZING PER PIECE (In.) 95” OR MAX. HEIGHT OF EXPOSED GLAZING PER PIECE (In.) 95”

3. ADDITIONAL INFORMATION REGARDING PYROSTOP CAN BE OBTAINED AT WWW.FIREGLASS.COM UNDER THE GLASS SECTION OF THE PRODUCTS MENU LOCATED AT THE TOP OF THE PAGE.
1. PYROSTOP GLAZING: 45 MINUTE - 3/4” (19mm)

2. 3/4” x 4” x 1/4” HARDWOOD SETTING BLOCK

3. .040” X 2-7/16” MINIMUM X 5/8” MINIMUM CONTINUOUS STEEL ANGLE

4. BITE: 3/8” MINIMUM

5. EDGE CLEARANCE: 1/4” AT PERIMETER

6. 5/8” TYPE “X” GYPSUM BOARD (ONE LAYER)

7. #12 X 2” PHILLIPS FLAT HEAD SCREW
   10” - 12” ON CENTER

8. 18 GAUGE x 3-1/2” MINIMUM STEEL RUNNER CONTINUOUS LENGTHS

9. SILICONE SEALANT (CONTINUOUS)

10. 1/8” x 3/8” CLOSED CELL PVC TAPE

11. .040” X 5/8” MINIMUM X 5/8” MINIMUM CONTINUOUS STEEL ANGLE

   STEEL ANGLES CAN BE COVERED WITH
   WOOD, ALUMINUM OR OTHER TYPES OF
   NON-COMBUSTIBLE TRIM

12. MAY BE USED IN SHAFT WALL LOCATIONS

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**GENERAL INFORMATION**

1. FOR INTERIOR USE IN SINGLE OPENINGS IN 45 MINUTE RATED WOOD/STEEL/STUD/GYPSUM BOARD OR MASONRY ASSEMBLIES.

2. **MAX. EXPOSED AREA PER PIECE (Sq. In. / Sq. Ft.)**
   - 4,500 / 31.25

   **MAX. WIDTH OF EXPOSED GLAZING PER PIECE (In.)**
   - 95-1/4”

   **OR**

   **MAX. HEIGHT OF EXPOSED GLAZING PER PIECE (In.)**
   - 95-1/4”

3. ADDITIONAL INFORMATION REGARDING PYROSTOP CAN BE OBTAINED AT **WWW.FIREGLASS.COM** UNDER THE GLASS SECTION OF THE PRODUCTS MENU LOCATED AT THE TOP OF THE PAGE.