E119 FIRE-RESISTIVE DOOR FRAMES WITH LITES, UL LABELED FOR 1-3/4" THICK DOORS, HANDED. TO BE INSTALLED IN FIRE RATED GYPSUM BOARD OR MASONRY WALLS

FRAMES ARE FIRE TESTED TO ASTM E119 OR UL 263 AND LIMIT THE TRANSFER OF RADIANT HEAT

Views shown apply to pages F20-3 thru F20-9
E119 FIRE-RESISTIVE WINDOW FRAMES WITH LITES, UL LABELED TO BE INSTALLED IN FIRE RATED GYPSUM BOARD OR MASONRY WALLS

FRAMES ARE FIRE TESTED TO ASTM E119 OR UL 263 AND LIMIT THE TRANSFER OF RADIANT HEAT

Views shown apply to pages F20-3 thru F20-9
TECH-DATA

E119 FIRE-RESISTIVE 60 MINUTE FLUSH GLAZING

NOTES:

1. SETTING BLOCK (SILL ONLY) BY OTHERS
   ALTERNATES BY OTHERS:
   A. HARDWOOD
   B. CALCIUM SILICATE
   C. NEOPRENE (90 DURAMETER)

2. CONTINUOUS INTUMESCENT TAPE FURNISHED WITH E119 FRAME
   INSTALLED BY OTHERS

3. "GLAZING GASKET (BOTH SIDES) FURNISHED WITH E119 FRAME
   INSTALLED BY OTHERS"

4. FIRE RATED SEAL IN SHIM SPACE BY OTHERS. ACCEPTABLE ALTERNATIVES:
   WELL PACKED ROCKWOOL, CONTINUOUS INTUMESCENT CAULKING, OR
   CONTINUOUS INTUMESCENT TAPE.

5. SHIMS BY OTHERS. ACCEPTABLE ALTERNATES: HARDWOOD, CALCIUM SILICATE,
   OR CEDAR SHINGLES.

6. FINISH SEALANT BY OTHERS.

7. ANCHOR HOLES ARE PREDRILLED AT THE FACTORY, PLACED 20" O.C.; ANCHOR
   SCREWS BY OTHERS. MAX. HEAD DIA. 3/8"; MAX. SHANK DIA. 1/4" x 3" (MIN.
   LENGTH). SEE NOTES # 10, 11 & 12 FOR ACCEPTABLE ANCHOR SCREWS.

8. 16 GAGE FIRE RATED FRAME.

9. 16 GAGE STEEL GLAZING BEAD BY CECO DOOR. INSTALL IN FIELD OVER GLAZING
   BEAD SCREW, FURNISHED WITH FRAME.

10. FOR WOOD STUD ANCHOR SCREWS SEE:
    www.mcmaster.com/#standard-anchors/=1411dkp

11. FOR STEEL STUD ANCHOR SCREWS SEE:

12. FOR MASONRY FASTENERS SEE: www.tapcon.com/professionals or
    www.us.hilti.com/anchor-systems/screw-anchors/6263

13. FRAME IS NOT LOAD BERING. ADDITIONAL BUILDING DESIGN FEATURES MAY BE
    REQUIRED FOR UNITS OVER 12' TALL.

*NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO
HOLD ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED BY
OTHERS)

- 60 MINUTE FLUSH GLAZING
- GLASS: VETROTECH
- CONTRAFLAM
- MAX VISIBLE GLASS
- 94-13/16" X 94-13/16" NOT TO EXCEED 3283 SQ. IN.,
  PER LITE.
- OVERALL OUT TO OUT FRAME WIDTH & HEIGHT IS
  NOT LIMITED BY FIRE RATING.
- FACE SHALL BE 1-15/16".
- DEPTH SHALL BE 2-9/16".

Experience a safer
and more open world
TECH-DATA

E119 FIRE-RESISTIVE 60 MIN. FLUSH STRUCTURE GLAZING

NOTES:

1. SETTING BLOCK (SILL ONLY) BY OTHERS
   ALTERNATES BY OTHERS:
   A. HARDWOOD
   B. CALCIUM SILICATE
   C. NEOPRENE (90 DUROMETER)

2. CONTINUOUS INTUMESCENT TAPE FURNISHED WITH E119 FRAME
   INSTALLED BY OTHERS

3. *GLAZING GASKET (BOTH SIDES) FURNISHED WITH E119 FRAME
   INSTALLED BY OTHERS

4. FIRE RATED SEAL IN SHIM SPACE BY OTHERS. ACCEPTABLE ALTERNATIVES:
   WELL PACKED ROCKWOOL, CONTINUOUS INTUMESCENT CAULKING, OR
   CONTINUOUS INTUMESCENT TAPE.

5. SHIMS BY OTHERS. ACCEPTABLE ALTERNATES: HARDWOOD, CALCIUM
   SILICATE, OR CEDAR SHINGLES.

6. FINISH SEALANT BY OTHERS.

7. ANCHOR HOLES ARE PREDRILLED AT THE FACTORY, PLACED 20" O.C.,
   ANCHOR SCREWS BY OTHERS. MAX. HEAD DIA. 3/8"; MAX. SHANK DIA. 1/4" x 3"  
   (MIN. LENGTH). SEE NOTES # 10, 11 & 12 FOR ACCEPTABLE ANCHOR SCREWS.

8. 16 GAGE FIRE RATED FRAME.

9. 16 GAGE STEEL GLAZING BEAD BY CECO DOOR. INSTALL IN FIELD OVER
   GLAZING BEAD SCREW, FURNISHED WITH FRAME.

10. FOR WOOD STUD ANCHOR SCREWS SEE:
    www.mcmaster.com/#standard-anchors/=14l1dkp

11. FOR STEEL STUD ANCHOR SCREWS SEE:

12. FOR MASONRY FASTENERS SEE: www.tapcon.com/professionals or
    www.us.hilti.com/anchor-systems/screw-anchors/r6263

13. FRAME IS NOT LOAD BERING. ADDITIONAL BUILDING DESIGN FEATURES MAY
    BE REQUIRED FOR UNITS OVER 12' TALL.

14. CENTER GLAZED FRAMES NOT AVAILABLE.

*NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO HOLD
ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED BY OTHERS)
ASSA ABLOY

E119 FIRE-RESISTIVE DOOR FRAMES WITH LITES. MECHANICAL JOINT OF 60 MINUTE FRAME COMPONENTS.

MECHANICAL JOINING OF COMPONENTS IS REQUIRED WHEN OVERALL SIZE OF FRAME IS TOO LARGE OR TOO HEAVY TO BE LOADED FOR SHIPPING. MECHANICAL JOINING MAY ALSO BE DUE TO JOB SITE CONDITIONS AND/OR LIMITATIONS RELATED TO SIZE, WEIGHT, AND/OR HANDLING, ETC.

CENTER GLAZED

CONNECT THE 2 FRAME PARTS AND SECURE WITH PROVIDED SCREWS(4) AT CLIPS. FASTENER HOLES ARE PREDRILLED DURING MANUFACTURING AND CAN’T BE MODIFIED OR ADDED IN THE FIELD.

FLUSH GLAZED

CONNECT THE 2 FRAME PARTS AND SECURE WITH PROVIDED SCREWS(4) AT CLIPS. FASTENER HOLES ARE PREDRILLED DURING MANUFACTURING AND CAN’T BE MODIFIED OR ADDED IN THE FIELD.
NOTES:
1. SETTING BLOCK (SILL ONLY) BY OTHERS
   ALTERNATES BY OTHERS:
   A. HARDWOOD
   B. CALCIUM SILICATE
   C. NEOPRENE (90 DUROMETER)
2. CONTINUOUS INTUMESCENT TAPE FURNISHED WITH E119 FRAME
   INSTALLED BY OTHERS
3. *GLAZING GASKET (BOTH SIDES) FURNISHED WITH E119 FRAME
   INSTALLED BY OTHERS
4. FIRE RATED SEAL IN SHIM SPACE BY OTHERS. ACCEPTABLE ALTERNATIVES:
   WELL PACKED ROCKWOOL, CONTINUOUS INTUMESCENT CAULKING, OR
   CONTINUOUS INTUMESCENT TAPE.
5. SHIMS BY OTHERS. ACCEPTABLE ALTERNATES: HARDWOOD, CALCIUM SILICATE,
   OR CEDAR SHINGLES.
6. FINISH SEALANT BY OTHERS.
7. ANCHOR HOLES ARE PREDRILLED AT THE FACTORY, PLACED 20" O.C., ANCHOR
   SCREWS BY OTHERS. MAX. HEAD DIA. 3/8"; MAX. SHANK DIA. 1/4" x 3" (MIN.
   LENGTH), SEE NOTES # 10, 11 & 12 FOR ACCEPTABLE ANCHOR SCREWS.
8. 16 GAGE FIRE RATED FRAME.
9. 16 GAGE STEEL GLAZING BEAD BY CECO DOOR. INSTALL IN FIELD OVER GLAZING
   BEAD SCREW, FURNISHED WITH FRAME.
10. FOR WOOD STUD ANCHOR SCREWS SEE:
    www.mcmaster.com/#standard-anchors/=1411dskp
11. FOR STEEL STUD ANCHOR SCREWS SEE:
12. FOR MASONRY FASTENERS SEE: www.tapcon.com/professionals or
   www.us.hilti.com/anchor-systems/screw-anchors/6263
13. FRAME IS NOT LOAD BEARING. ADDITIONAL BUILDING DESIGN FEATURES MAY BE
    REQUIRED FOR UNITS OVER 12' TALL.

*NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO
HOLD ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED BY
OTHERS)
E119 FIRE-RESISTIVE DOOR FRAMES WITH LITES. MECHANICAL JOINT OF 90 MINUTE FRAME COMPONENTS.

MECHANICAL JOINING OF COMPONENTS IS REQUIRED WHEN OVERALL SIZE OF FRAME IS TOO LARGE OR TOO HEAVY TO BE LOADED FOR SHIPPING. MECHANICAL JOINING MAY ALSO BE DUE TO JOB SITE CONDITIONS AND/OR LIMITATIONS RELATED TO SIZE, WEIGHT, AND/OR HANDLING, ETC.

CONNECT THE 2 FRAME PARTS AND SECURE WITH PROVIDED **SCREWS(4)** AT CLIPS. FASTENER HOLES ARE PREDRILLED DURING MANUFACTURING AND CAN’T BE MODIFIED OR ADDED IN THE FIELD.

**FLUSH GLAZED**
TECH-DATA

E119 FIRE-RESISTIVE 120 MINUTE Flush Glazing

NOTES:
1. SETTING BLOCK (SILL ONLY) BY OTHERS
   ALTERNATES BY OTHERS:
   A. HARDWOOD
   B. CALCIUM SILICATE
   C. NEOFORNE (60 DUROMETER)
2. CONTINUOUS INTUMESCENT TAPE FURNISHED WITH E119 FRAME
   INSTALLED BY OTHERS
3. *GLAZING GASKET (BOTH SIDES) FURNISHED WITH E119 FRAME
   INSTALLED BY OTHERS
4. FIRE RATED SEAL IN SHIM SPACE BY OTHERS. ACCEPTABLE ALTERNATIVES:
   WELL PACKED ROCKWOOL, CONTINUOUS INTUMESCENT CAULKING, OR
   CONTINUOUS INTUMESCENT TAPE.
5. SHIMS BY OTHERS. ACCEPTABLE ALTERNATES: HARDWOOD, CALCIUM SILICATE,
   OR CEDAR SHINGLES.
6. FINISH SEALANT BY OTHERS.
7. ANCHOR HOLES ARE PREDRILLED AT THE FACTORY, PLACED 20" O.C.. ANCHOR
   SCREWS BY OTHERS. MAX. HEAD DIA. 3/8"; MAX. SHANK DIA. 1/4" x 3" (MIN.
   LENGTH). SEE NOTES # 10, 11 & 12 FOR ACCEPTABLE ANCHOR SCREWS.
8. 16 GAGE FIRE RATED FRAME.
9. 16 GAGE STEEL GLAZING BEAD BY CECO DOOR. INSTALL IN FIELD OVER GLAZING
   BEAD SCREW, FURNISHED WITH FRAME.
10. FOR WOOD STUD ANCHOR SCREWS SEE:
    www.mcmaster.com/#standard-anchors/=14l1dkp
11. FOR STEEL STUD ANCHOR SCREWS SEE:
12. FOR MASONRY FASTENERS SEE: www.tapcon.com/professionals or
    www.us.hilti.com/anchor-systems/screw-anchors/r6263
13. FRAME IS NOT LOAD BERING. ADDITIONAL BUILDING DESIGN FEATURES MAY BE
    REQUIRED FOR UNITS OVER 12' TALL.

*NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO
HOLD ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED BY
OTHERS)

120 MINUTE FLUSH GLAZING

GLASS: VETROTECH
CONTRAFLAM 120

MAX VISIBLE GLASS
94-5/8" X 94-5/8" NOT
TO EXCEED 4435 SQ. IN.,
PER LITE.

OVERALL OUT TO OUT
FRAME WIDTH & HEIGHT IS
NOT LIMITED BY FIRE
RATING.

FACE SHALL BE 1-15/16".

DEPTH SHALL BE 4-5/16".
TECH-DATA  E119 FIRE-RESISTIVE 120 MIN. FLUSH STRUCTURE GLAZING

NOTES:
1. SETTING BLOCK (SILL ONLY) BY OTHERS
   ALTERNATES BY OTHERS:
   A. HARDWOOD
   B. CALCIUM SILICATE
   C. NEOPRENE (60 DUROMETER)
2. CONTINUOUS INTUMESCENT TAPE FURNISHED WITH E119 FRAME
   INSTALLED BY OTHERS
3. "GLAZING GASKET (BOTH SIDES) FURNISHED WITH E119 FRAME
   INSTALLED BY OTHERS
4. FIRE RATED SEAL IN SHIM SPACE BY OTHERS. ACCEPTABLE ALTERNATIVES:
   WELL PACKED ROCKWOOL, CONTINUOUS INTUMESCENT CAULKING, OR
   CONTINUOUS INTUMESCENT TAPE.
5. SHIMS BY OTHERS. ACCEPTABLE ALTERNATES: HARDWOOD, CALCIUM
   SILICATE, OR CEDAR SHINGLES.
6. FINISH SEALANT BY OTHERS.
7. ANCHOR HOLES ARE PREDRILLED AT THE FACTORY, PLACED 20" O.C.:
   ANCHOR SCREWS BY OTHERS. MAX. HEAD DIA. 3/8"; MAX. SHANK DIA. 1/4" x
   3" (MIN. LENGTH). SEE NOTES # 10, 11 & 12 FOR ACCEPTABLE ANCHOR
   SCREWS.
8. 16 GAGE FIRE RATED FRAME.
9. 16 GAGE STEEL GLAZING BEAD BY CECO DOOR. INSTALL IN FIELD OVER
   GLAZING BEAD SCREW, FURNISHED WITH FRAME.
10. FOR WOOD STUD ANCHOR SCREWS SEE:
    www.mcmaster.com/#standard-anchors/=14l1dkp
11. FOR STEEL STUD ANCHOR SCREWS SEE:
12. FOR MASONRY FASTENERS SEE: www.tapcon.com/professionals or
    www.us.hilti.com/anchor-systems/screw-anchors/r6263
13. FRAME IS NOT LOAD BEARING. ADDITIONAL BUILDING DESIGN FEATURES MAY
    BE REQUIRED FOR UNITS OVER 12' TALL.

*NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO HOLD
ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED BY OTHERS)

120 MINUTE FLUSH GLAZING
• GLASS: VETROTECH CONTRAFLAM STRUCTURE 120
• MAX VISIBLE GLASS
126" X 126" NOT TO EXCEED 4536 SQ. IN., PER LITE.
• OVERALL OUT TO OUT FRAME WIDTH & HEIGHT IS NOT LIMITED BY FIRE RATING.
• FACE SHALL BE 1-15/16".
• DEPTH SHALL BE 4-5/16".
E119 FIRE-RESISTIVE DOOR FRAMES WITH LITES. MECHANICAL JOINT OF 120 MINUTE FRAME COMPONENTS.

MECHANICAL JOINING OF COMPONENTS IS REQUIRED WHEN OVERALL SIZE OF FRAME IS TOO LARGE OR TOO HEAVY TO BE LOADED FOR SHIPPING. MECHANICAL JOINING MAY ALSO BE DUE TO JOB SITE CONDITIONS AND/OR LIMITATIONS RELATED TO SIZE, WEIGHT, AND/OR HANDLING, ETC.

CENTER GLAZED

CONNECT THE 2 FRAME PARTS AND SECURE WITH PROVIDED SCREWS(4) AT CLIPS. FASTENER HOLES ARE PREDRILLED DURING MANUFACTURING AND CAN'T BE MODIFIED OR ADDED IN THE FIELD.

FLUSH GLAZED

CONNECT THE 2 FRAME PARTS AND SECURE WITH PROVIDED SCREWS(4) AT CLIPS. FASTENER HOLES ARE PREDRILLED DURING MANUFACTURING AND CAN'T BE MODIFIED OR ADDED IN THE FIELD.
TECH-DATA

E119 FIRE-RESISTIVE 180 MINUTE CENTER GLAZING

NOTES:

1. SETTING BLOCK (SILL ONLY) BY OTHERS:
   A. CALCIUM SILICATE

2. CONTINUOUS FLEXSPAN 200 AROUND PERIMETER (3.750" x .188")
   FURNISHED WITH E119 FRAME

3. GLAZING TAPE (.125" x .750") FURNISHED WITH E119 FRAME

4. GLAZING SNAP ON BEADS (1.38" x .750" x .094") FURNISHED WITH
   E119 FRAME

5. FIRE RATED SEAL BY OTHERS:
   A. WELL PACKED ROCKWOOL

6. SHIM AS REQUIRED, BY OTHERS.

7. FINISH SEALANT BY OTHERS

8. ANCHOR HOLES ARE PREDRILLED AT THE FACTORY. ANCHOR
   SCREWS SUITABLE FOR GROUT FILLED CMU BY OTHERS. ANCHOR
   SCREWS DETERMINED BY INSTALLER BASED ON WALL CONDITION.

9. FLUSH GLAZED FRAMES NOT AVAILABLE

• 180 MINUTE CENTER GLAZING
• GLASS: VETROTECH CONTRAFLAM 180 PROVIDED & INSTALLED IN E119 FRAME
• MAX VISIBLE GLASS 48" X 48" NOT TO EXCEED 2304 SQ. IN..
• OVERALL OUT TO OUT FRAME WIDTH & HEIGHT IS LIMITED to 52" x 52".
• DEPTH SHALL BE 6-7/8".
• SINGLE LITE WINDOW (BORROWED LITE) ONLY. MULLIONS NOT AVAILABLE.
TECH-DATA

E119 FIRE-RESISTIVE 60, 90 & 120 MINUTE FRAME
WITH HOLLOW METAL DOOR

60 MINUTE FRAME FIRE RATING

90 MINUTE FRAME FIRE RATING

90 MINUTE FRAME FIRE RATING

120 MINUTE FRAME FIRE RATING
NOTES:
1. CONTINUOUS INTUMESCENT TAPE FURNISHED WITH E119 FRAME
2. GLAZING GASKET (BOTH SIDES) FURNISHED WITH E119 FRAME
3. ANCHOR SCREWS BY OTHERS - PLACE 20" O.C. MAX. HEAD DIA. 3/8";
   MAX. SHANK DIA. 1/4"
4. FIRE RATED E119 FRAME
5. STEEL GLAZING BEAD INSTALL OVER GLAZING BEAD SCREW
6. 16 GA. STEEL SHEET METAL COVER; LENGTH PER E119 FRAME HEIGHT
7. INSULATED CORNER POST

NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO HOLD ON
VINYL GLAZING GASKET (PROVIDED AND INSTALLED BY OTHERS)
NOTES:
1. CONTINUOUS INTUMESCENT TAPE FURNISHED WITH E119 FRAME
2. GLAZING GASKET (BOTH SIDES) FURNISHED WITH E119 FRAME
3. ANCHOR SCREWS BY OTHERS - PLACE 20" O.C. MAX. HEAD DIA. 3/8"; MAX. SHANK DIA. 1/4"
4. FIRE RATED E119 FRAME
5. STEEL GLAZING BEAD INSTALL OVER GLAZING BEAD SCREW
6. 16 GA. STEEL SHEET METAL COVER; LENGTH PER E119 FRAME HEIGHT
7. INSULATED CORNER POST

NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO HOLD ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED BY OTHERS)
**Contraflam 60 Structure Joint Options**

**Fire Resistive Products**

March, 2019

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**Contraflam 60 Structure Joint**

1 1/8" 1/8" 1/8"

1 1/4"

Safety Glass
Intumescent Interlayer
Spacer
Sealing Polysulphide
Joint Sealant silicone DowCorning DC 895, provided by Vetrotech
2x Kerafix FXL 200 provided by Vetrotech

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**Contraflam 60 Angle Structure Joint**

1 1/4"

1 1/8"

1/2" 9-1/2° MAX. ANGLE 7/16"

Safety Glass
Intumescent Interlayer
Spacer
Polysulfide Sealant
Joint Sealant Silicone DowCorning DC 895, provided by Vetrotech
2x Kerafix FXL 200 provided by Vetrotech
NOTES:
1. CONTINUOUS INTUMESCENT TAPE FURNISHED WITH E119 FRAME
2. GLAZING GASKET (BOTH SIDES) FURNISHED WITH E119 FRAME
3. ANCHOR SCREWS BY OTHERS - PLACE 20" O.C. MAX. HEAD DIA. 3/8"; MAX. SHANK DIA. 1/4"
4. FIRE RATED E119 FRAME
5. STEEL GLAZING BEAD INSTALL OVER GLAZING BEAD SCREW
6. 16 GA. STEEL SHEET METAL COVER, LENGTH PER E119 FRAME HEIGHT
7. INSULATED CORNER POST

NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO HOLD ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED BY OTHERS)
E119 90 and 120 Minute Angled Frame

Fire Resistant Products

March, 2019

NOTES:
1. CONTINUOUS INTUMESCENT TAPE FURNISHED WITH E119 FRAME
2. GLAZING GASKET (BOTH SIDES) FURNISHED WITH E119 FRAME
3. ANCHOR SCREWS BY OTHERS - PLACE 20" O.C. MAX. HEAD DIA. 3/8";
   MAX. SHANK DIA. 1/4"
4. FIRE RATED E119 FRAME
5. STEEL GLAZING BEAD INSTALL OVER GLAZING BEAD SCREW
6. 16 GA. STEEL SHEET METAL COVER; LENGTH PER E119 FRAME HEIGHT
7. INSULATED CORNER POST

NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO HOLD ON
VINYL GLAZING GASKET (PROVIDED AND INSTALLED BY OTHERS)
CONTRAFLAM 120 STRUCTURE JOINT

4-8 strips Kerafix FXL 200 provided by Vetrotech

MAX. ANGLE

19°

CONTRAFLAM 120 ANGLE STRUCTURE JOINT

ASSA ABLOY, the global leader in door opening solutions
60 OR 120 MINUTE MAXIMUM RATING
FIRE RESISTIVE E119 FRAME ASSEMBLY
CONTRAFLAM STRUCTURE 60 OR 120 WITHOUT VERTICAL MULLIONS

NOTES:
1. SETTING BLOCK (SILL OR HORIZONTAL MULLION ONLY) BY OTHERS. ALTERNATES BY OTHERS:
   A. HARDWOOD
   B. CALCIUM SILICATE
   C. NEOPRENE (90 DUROMETER)
2. CONTINUOUS INTUMESCENT TAPE FURNISHED. E119 FRAME INSTALLED BY OTHERS.
3. *GLAZING GASKET (BOTH SIDES) FURNISHED. E119 FRAME INSTALLED BY OTHERS.
4. FIRE RATED SEAL IN SHIM SPACE BY OTHERS. ACCEPTABLE ALTERNATIVES: WELL PACKED ROCKWOOL, CONTINUOUS INTUMESCENT CAULKING, OR CONTINUOUS INTUMESCENT TAPE.
5. SHIMS BY OTHERS. ACCEPTABLE ALTERNATES: HARDWOOD, CALCIUM SILICATE, OR CEDAR SHINGLES.
6. FINISH SEALANT BY OTHERS
7. ANCHOR SCREWS BY OTHERS. PLACE 20” O.C. MAX. HEAD DIA. 3/8”; MAX. SHANK DIA. 1/4”.
8. FIRE RATED E119 FRAME.
9. STEEL GLAZING BEAD. INSTALL WITH SCREWS FURNISHED.
10. GLASS: VETROTECH CONTRAFLAM STRUCTURE 60 OR 120 MINUTE.
11. 60 MINUTE MAXIMUM VISIBLE GLASS 138-1/2” X 138-1/2” NOT TO EXCEED 7574 SQ. IN. 120 MINUTE MAXIMUM VISIBLE GLASS 126” X 126” NOT TO EXCEED 4536 SQ. IN.
12. MAXIMUM FRAME SIZE NOT LIMITED. ASSEMBLY IS CONSIDERED A WALL.
13. PRODUCT IS NOT LOAD BEARING. ADDITIONAL BUILDING DESIGN FEATURES MAY BE REQUIRED FOR UNITS OVER 12’ TALL.
14. CENTER GLAZED FRAMES NOT AVAILABLE.

*NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO HOLD ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED BY OTHERS).

MAY BE USED ON TRANSOMS AND SIDELIGHTS
NOTES:
1. E119 INTERIOR STEEL CURTAIN WALL
   HORIZONTAL MEMBER, VARIES,
   2-13/16" SHOWN
2. E119 INTERIOR STEEL CURTAIN WALL
   VERTICAL MEMBER, VARIES,
   2-13/16" SHOWN
3. PRESSURE PLATE LOCKING SCREW
   W/SPACER
4. SETTING BLOCK (BY OTHERS)
5. SETTING BLOCK SHELF
6. PRESSURE PLATES
7. HORIZONTAL COVER CAP
8. CONTRAFILAM 60 GLAZING
9. HORIZONTAL WEATHER STRIPPING WITH FIN
10. FRAME ANCHOR PLATE
11. SHEAR LUG FOR VERTICAL PROFILE
12. HARDWOOD BLOCK
13. FINISH SEALANT (BY OTHERS)
14. VERTICAL COVER CAP
15. VERTICAL WEATHER STRIPPING
16. INTUMESCENT TAPE
17. MINERAL WOOL (BY OTHERS)
18. FIRE STOP & SMOKE SEAL (BY OTHERS)
19. ANCHORS (BY OTHERS)
NOTES:
1. E119 INTERIOR STEEL CURTAIN WALL HORIZONTAL MEMBER, VARIES, 2-13/16" SHOWN
2. E119 INTERIOR STEEL CURTAIN WALL VERTICAL MEMBER, VARIES, 2-13/16" SHOWN
3. PRESSURE PLATE LOCKING SCREW W/SPACER
4. SETTING BLOCK (BY OTHERS)
5. SETTING BLOCK SHELF
6. PRESSURE PLATES
7. HORIZONTAL COVER CAP
8. CONTRAFLAM 60 GLAZING
9. HORIZONTAL WEATHER STRIPPING WITH FIN
10. FRAME ANCHOR PLATE
11. SHEAR LUG FOR VERTICAL PROFILE
12. HARDWOOD BLOCK
13. FINISH SEALANT (BY OTHERS)
14. VERTICAL COVER CAP
15. VERTICAL WEATHER STRIPPING
16. INTUMESCENT TAPE
17. MINERAL WOOL (BY OTHERS)
18. FIRE STOP & SMOKE SEAL (BY OTHERS)
19. ANCHORS (BY OTHERS)
NOTES:
1. E119 INTERIOR STEEL CURTAIN WALL
   HORIZONTAL MEMBER, VARIES,
   2-13/16" SHOWN
2. E119 INTERIOR STEEL CURTAIN WALL
   VERTICAL MEMBER, VARIES,
   2-13/16" SHOWN
3. PRESSURE PLATE LOCKING SCREW
   W/SPACER
4. SETTING BLOCK (BY OTHERS)
5. SETTING BLOCK SHELF
6. PRESSURE PLATES
7. HORIZONTAL COVER CAP
8. CONTRAFLAM 60 GLAZING
9. HORIZONTAL WEATHER STRIPPING WITH FIN
10. FRAME ANCHOR PLATE
11. SHEAR LUG FOR VERTICAL PROFILE
12. HARDWOOD BLOCK
13. FINISH SEALANT (BY OTHERS)
14. VERTICAL COVER CAP
15. VERTICAL WEATHER STRIPPING
16. INTUMESCENT TAPE
17. MINERAL WOOL (BY OTHERS)
18. FIRE STOP & SMOKE SEAL (BY OTHERS)
19. ANCHORS (BY OTHERS)
NOTES:
1. E119 INTERIOR STEEL CURTAIN WALL
   HORIZONTAL MEMBER
2. E119 INTERIOR STEEL CURTAIN WALL
   VERTICAL MEMBER
3. PRESSURE PLATE LOCKING SCREW
   W/SPACER
4. SETTING BLOCK (BY OTHERS)
5. SETTING BLOCK SHELF
6. PRESSURE PLATES
7. HORIZONTAL COVER CAP
8. CONTRAFIAM 120 GLAZING
9. HORIZONTAL WEATHER STRIPPING
10. FRAME ANCHOR PLATE AT VERTICAL
11. SHEAR LUG FOR VERTICAL PROFILE
12. HARDWOOD BLOCK
13. FINISH SEALANT (BY OTHERS)
14. VERTICAL COVER CAP
15. VERTICAL WEATHER STRIPPING
16. INTUMESCENT TAPE
17. MINERAL WOOL (BY OTHERS)
18. FIRE STOP & SMOKE SEAL (BY OTHERS)
19. ANCHORS (BY OTHERS)

HEAD DETAIL
SCALE: N.T.S.
E119 120 Minute Interior Curtain Wall - Mullion Details

March, 2019

NOTES:
1. E119 INTERIOR STEEL CURTAIN WALL HORIZONTAL MEMBER
2. E119 INTERIOR STEEL CURTAIN WALL VERTICAL MEMBER
3. PRESSURE PLATE LOCKING SCREW W/SPACER
4. SETTING BLOCK (BY OTHERS)
5. SETTING BLOCK SHELF
6. PRESSURE PLATES
7. HORIZONTAL COVER CAP
8. CONTRAFLAM 120 GLAZING
9. HORIZONTAL WEATHER STRIPPING
10. FRAME ANCHOR PLATE AT VERTICAL
11. SHEAR LUG FOR VERTICAL PROFILE
12. HARDWOOD BLOCK
13. FINISH SEALANT (BY OTHERS)
14. VERTICAL COVER CAP
15. VERTICAL WEATHER STRIPPING
16. INTUMESCENT TAPE
17. MINERAL WOOL (BY OTHERS)
18. FIRE STOP & SMOKE SEAL (BY OTHERS)
19. ANCHORS (BY OTHERS)

HORIZ. MULLION DETAIL

SCALE: N.T.S.

VERTICAL MULLION

SCALE: N.T.S.

F20-21
NOTES:
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3. PRESSURE PLATE LOCKING SCREW W/SPACER
4. SETTING BLOCK (BY OTHERS)
5. SETTING BLOCK SHELF
6. PRESSURE PLATES
7. HORIZONTAL COVER CAP
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12. HARDWOOD BLOCK
13. FINISH SEALANT (BY OTHERS)
14. VERTICAL COVER CAP
15. VERTICAL WEATHER STRIPPING
16. INTUMESCENT TAPE
17. MINERAL WOOL (BY OTHERS)
18. FIRE STOP & SMOKE SEAL (BY OTHERS)
19. ANCHORS (BY OTHERS)
E119 Interior Curtain Wall 90° Inside Corner
Fire Resistive Products

March, 2019
E119 Interior Curtain Wall 90° Outside Corner

Fire Resistive Products

March, 2019

FIRE RATED GLAZING.
(THICKNESS VARIES)

VARIES

2-31/32” Min.
5-7/8” Max.

D.L.O.

(FD) FRAME DIMENSION

1/2
[13mm]

16 GA. STL.
INT. CORNER CLOSURE

16 GA. STL.

VARIES

1/4” STEEL (A36) PLATE (TYP.) BELOW W/ 1”X4”X1/8” TABS WELDED FOR BREAK METAL BACKING

ROCKWOOL INSULATION

#12 S.S. SCREW @ 16” O.C. (COND. ‘A’, Fu=75ksi Min.)

D.L.O.

2 3/8
[60mm]

1/2
[13mm]
E119 Interior Curtain Wall Back Mullion Options - 1-3/4" Face

Fire Resistive Products

March, 2019

ASSA ABLOY, the global leader in door opening solutions

F20-26
E119 Interior Curtain Wall Back Mullion Options - 2-3/8" Face

Fire Resistive Products

March, 2019

ASSA ABLOY, the global leader in door opening solutions
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C. PRESSURE PLATE LOCKING SCREW
D. SETTING BLOCK (BY OTHERS)
E. SETTING BLOCK SHELF
F. PRESSURE PLATES
G. VERTICAL COVER CAP
H. VERTICAL WEATHER STRIPING
I. SILL AND HEAD PLAT WITH SHEAR LUG AT VERTICAL MULLION
J. HARDWOOD BLOCK
K. ANCHOR (BY OTHERS)
L. SHIM AS NECESSARY (BY OTHERS)
M. FIRE STOP AND SMOKE SEAL (BY OTHERS)
N. FIRE RESISTANT LOOSE INSULATION (BY OTHERS)
O. FINISH SEALANT (BY OTHERS)
P. CLAMPING FOOT
Q. HINGE PER HARDWARE SCHEDULE
R. NARROW STILE 60/90 DOOR
S. DOOR ASSEMBLY FASTENER TO CURTAIN WALL

NOTE: ACTUAL ANCHORING MAY VARY PER PROJECT REQUIREMENTS. DRAWING FOR REFERENCE ONLY.
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D. SETTING BLOCK (BY OTHERS)
E. SETTING BLOCK SHELF
F. PRESSURE PLATES
G. HORIZONTAL COVER CAP
H. HORIZONTAL WEATHER STRIPPING
I. FRAME BASE PLATE AT VERTICAL
J. HARDWOOD BLOCK
K. ANCHOR (BY OTHERS)
L. SHIM AS NECESSARY (BY OTHERS)
M. FIRE STOP AND SMOKE SEAL (BY OTHERS)
N. FIRE RESISTANT LOOSE INSULATION (BY OTHERS)
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