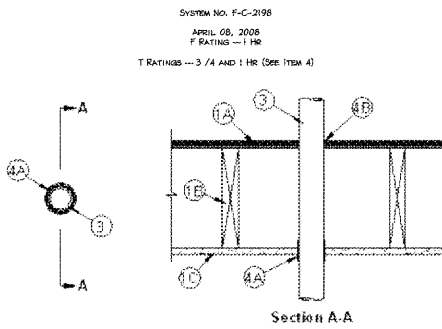


**TYPICAL 4" PIPE CHASE WALL PENETRATION**



**Section A-A**

1. FLOOR-CEILING ASSEMBLY — The 1 HR FIRE RATED WOOD JOIST FLOOR-CEILING ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL L300 SERIES FLOOR-CEILING DESIGN IN THE U.L. FIRE RESISTANCE DIRECTORY, AS SUMMARIZED BELOW:

- A. FLOORING SYSTEM — LUMBER OR PLYWOOD SUBFLOOR WITH FINISH FLOOR OF LUMBER, PLYWOOD OR FLOOR TYPING MATERIAL AS SPECIFIED IN THE INDIVIDUAL FLOOR-CEILING DESIGN. DIAM OF FLOOR OPENING IS DEPENDENT ON THE PIPE SIZE. SEE ITEM 4.
- B. WOOD JOISTS — NOM 10 IN. (254 MM) DEEP (OR DEEPER) LUMBER, STEEL OR COMBINATION LUMBER AND STEEL JOISTS, TRUSSES OR STRUCTURAL WOOD MEMBERS WITH BRIDGING AS REQUIRED WITH ENDS FIRESTOPPED.
- C. GYPSUM BOARD — THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS SHALL BE AS SPECIFIED IN THE INDIVIDUAL FLOOR-CEILING DESIGN. DIAM OF CEILING OPENING IS DEPENDENT ON THE PIPE SIZE. SEE ITEM 4.
- D. CHASE WALL — (OPTIONAL, NOT SHOWN) — THE PENETRANT MAY BE ROUTED THROUGH A 1 HR FIRE RATED SINGLE, DOUBLE OR STAGGERED WOOD STUD/GYPSUM BOARD CHASE WALL, CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL L300 SERIES WALL AND PARTITION DESIGN IN THE U.L. FIRE RESISTANCE DIRECTORY, WHICH INCLUDES THE FOLLOWING CONSTRUCTION FEATURES:
  - A. STUDS — NOM 2 BY 6 IN. (51 BY 152 MM) OR DOUBLE NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER STUDS.
  - B. SOLID PLATE — NOM 2 BY 6 IN. (51 BY 152 MM) OR PARALLEL 2 BY 4 IN. (51 BY 102 MM) LUMBER PLATES, TIGHTLY BUTTED. DIAM OF OPENING IS DEPENDENT ON THE PIPE SIZE. SEE ITEM 4.
  - C. TOP PLATE — THE DOUBLE TOP PLATE SHALL CONSIST OF TWO NOM 2 BY 6 IN. (51 BY 152 MM) OR TWO SETS OF PARALLEL 2 BY 4 IN. (51 BY 102 MM) LUMBER PLATES, TIGHTLY BUTTED. DIAM OF OPENING IS DEPENDENT ON THE PIPE SIZE. SEE ITEM 4.
  - D. GYPSUM BOARD — THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN.
- E. THROUGH PENETRANTS — ONE NONMETALLIC PIPE OR CONDUIT TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. RESISTANT TO BE RIGIDLY SUPPORTED ON BOTH SIDERS OF FLOOR-CEILING ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF NONMETALLIC PIPES OR CONDUIT MAY BE USED:
  - A. POLYVINYL CHLORIDE (PVC) PIPE — NOM 4 IN. (102 MM) DIAM (OR SMALLER) SCHEDULE 40 SOLID CORE OR CELLULAR CORE PVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
  - B. ACRYLONITRILE BUTADIENE STYRENE (ABS) PIPE — NOM 3 IN. (76 MM) DIAM (OR SMALLER) SCHEDULE 40 SOLID CORE OR CELLULAR CORE ABS PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
  - C. CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE — NOM 4 IN. (102 MM) DIAM (OR SMALLER) SCHEDULE 40 SOLID CORE PVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
  - D. RIGID NONMETALLIC CONDUIT — NOM 4 IN. (102 MM) DIAM (OR SMALLER) SCHEDULE 40 PVC CONDUIT INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NFPA NO. 70).
  - E. FIBERSTOP SYSTEM — THE FIBERSTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
    - A. FILL, VOID OR CAVITY MATERIALS — WRAP STRIP — NOM 1/8 IN. (3.2 MM) THICK INTUMESCENT MATERIAL, SUPPLIED IN 2 IN. (51 MM) WIDE STRIPS. THE NUMBER OF LAYERS OF WRAP STRIPS IS DEPENDENT ON THE SIZE OF THE PIPE, AS SHOWN IN THE TABLE BELOW. THE LAYERS OF WRAP STRIP ARE INDIVIDUALLY WRAPPED TIGHTLY AROUND PERPENDICULAR WITH THE ENDS BUTTED AND HELD IN PLACE WITH ALUMINUM FOIL TAPE. BUTTED ENDS OF SUCCESSIVE LAYERS MAY BE STAGGERED OR ALIGNED. LAYERS OF WRAP STRIP TO BE RECESSED INTO OPENING WITH THE BOTTOM SURFACE OF WRAP STRIPS EXTENDING 1/2 TO 1 IN. (13 TO 25 MM) BELOW BOTTOM OF GYPSUM CEILING OR LOWER TOP PLATE.
    - B. PASSIVE FIRE PROTECTION PARTNERS — N/A
- F. FILL, VOID OR CAVITY MATERIAL — SEALANT — MIN 3/4 IN. (19 MM) THICKNESS OF FILL MATERIAL, APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR SOLID PLATE. MIN 5/8 IN. (16 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN ANY ANNULAR SPACE BETWEEN THE WRAP STRIP AND EDGE OF OPENING, FLUSH WITH THE BOTTOM SURFACE OF CEILING. PASSIVE FIRE PROTECTION PARTNERS — 360CEW

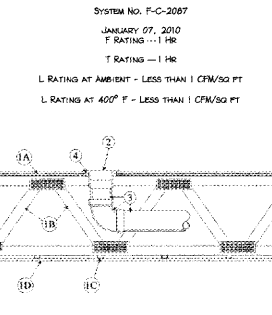
- C. FOIL TAPE — (NOT SHOWN) — NOM 4 MIL BY 4 IN. (102 MM) WIDE FOIL TAPE WRAPPED TIGHTLY AROUND THE EXPOSED PORTION OF THE WRAP STRIP AND OVERLAPPED ONTO GYPSUM CEILING AND PIPE A MIN 1 IN. (25 MM).
- MIN PIPE SIZE:
  - IN. (MM) PIPE TYPE DIAM OF OPENING
  - IN. (MM) NUMBER OF WRAP STRIP LAYERS T RATING

1 TO 1-1/4 (25 TO 32)	PVC, ABS, CPVC, RNC 2 (51)	2	1
2 (51)	PVC, ABS, CPVC, RNC 3 (76)	2	1
3 (76)	PVC, ABS, CPVC, RNC 4-1/2 (114)	4	3/4
4 (102)	PVC, CPVC, RNC 5-1/2 (140)	5	3/4

\*BEARING THE U.L. LISTING MARK

\*BEARING THE U.L. CLASSIFICATION MARK

**TYPICAL WC PIPE PENETRATION**



**Section A-A**

1. FLOOR-CEILING ASSEMBLY — The 1 HR FIRE RATED SOLID OR TRUSSED LUMBER JOIST FLOOR-CEILING ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL L300 SERIES FLOOR-CEILING DESIGN IN THE U.L. FIRE RESISTANCE DIRECTORY, AS SUMMARIZED BELOW:

- A. FLOORING SYSTEM — LUMBER OR PLYWOOD SUBFLOOR WITH FINISH FLOOR OF LUMBER, PLYWOOD OR FLOOR TYPING MATERIAL AS SPECIFIED IN THE INDIVIDUAL FLOOR-CEILING DESIGN. MAX DIAM OF OPENING IS 5 IN. (127 MM).
- B. WOOD JOISTS — NOM 2 BY 10 IN. (51 BY 254 MM) LUMBER JOISTS SPACED 16 IN. (406 MM) OC WITH NOM 1 BY 3 IN. (25 BY 76 MM) LUMBER BRIDGES AND WITH ENDS FIRESTOPPED. AS AN ALTERNATE TO LUMBER JOISTS, NOM 10 IN. (254 MM) DEEP (OR DEEPER) LUMBER, STEEL OR COMBINATION LUMBER AND STEEL JOISTS, TRUSSES OR STRUCTURAL WOOD MEMBERS WITH BRIDGING AS REQUIRED WITH ENDS FIRESTOPPED.
- C. FLOORING BOARD — THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS AS REQUIRED IN THE INDIVIDUAL FLOOR-CEILING DESIGN. MAX DIAM OF CEILING OPENING IS 3 IN. (76 MM).
- D. FURRING CHANNELS — (NOT SHOWN) — TWO 2 HR FIRE RATED ASSEMBLIES, RESILIENT GALV STEEL FURRING CHANNELS INSTALLED PERPENDICULAR TO WOOD JOISTS BETWEEN BASE AND FACE LAYERS OF GYPSUM BOARD (ITEM C). FURRING CHANNELS SPACED MAX 24 IN. (610 MM) OC WITH ADDITIONAL SHORT LAYERS OF FURRING CHANNELS INSTALLED ADJACENT TO AND MAX 3 IN. (76 MM) FROM TWO OPPOSING SIDERS OF PENETRANT.
- E. CHASE WALL — (OPTIONAL, NOT SHOWN) — THE THROUGH-PENETRANT (ITEM 3) MAY BE ROUTED THROUGH A 1 OR 2 HR FIRE RATED SINGLE, DOUBLE OR STAGGERED WOOD STUD/GYPSUM BOARD CHASE WALL, CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL L300 SERIES WALL AND PARTITION DESIGN IN THE U.L. FIRE RESISTANCE DIRECTORY AND SHALL HAVE THE FOLLOWING CONSTRUCTION DETAILS:
  - A. STUDS — NOM 2 BY 4 IN. (51 BY 102 MM), 2 BY 6 IN. (51 BY 152 MM) OR DOUBLE NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER STUDS.
  - B. SOLID PLATE — NOM 2 BY 4 IN. (51 BY 102 MM), 2 BY 6 IN. (51 BY 152 MM) OR TWO SETS OF PARALLEL 2 BY 4 IN. (51 BY 102 MM) LUMBER PLATES, TIGHTLY BUTTED.
  - C. TOP PLATE — THE DOUBLE TOP PLATE SHALL CONSIST OF TWO NOM 2 BY 4 IN. (51 BY 102 MM), 2 BY 6 IN. (51 BY 152 MM) OR TWO SETS OF PARALLEL 2 BY 4 IN. (51 BY 102 MM) LUMBER PLATES, TIGHTLY BUTTED. MAX DIAM OF OPENING IS 5 IN. (127 MM).
  - D. GYPSUM BOARD — THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN.
- F. THROUGH PENETRANTS — ONE NONMETALLIC PIPE OR CONDUIT TO BE INSTALLED APPROXIMATELY MIDWAY BETWEEN WOOD JOISTS AND CENTERED WITHIN THE FIRESTOP SYSTEM. DIAM OF OPENINGS HOLE-SAWED THROUGH FLOORING SYSTEM AND THROUGH GYPSUM WALL AND CEILING TO BE NOM 5/8 IN. (16 MM) LARGER THAN THE OUTSIDE DIAM OF THROUGH-PENETRANT. PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDERS OF THE FLOOR-CEILING ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF NONMETALLIC PIPES OR CONDUITS MAY BE USED:
  - A. POLYVINYL CHLORIDE (PVC) PIPE — NOM 3 IN. (76 MM) DIAM (OR SMALLER) SCHEDULE 40 CELLULAR OR SOLID CORE PVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
  - B. ACRYLONITRILE BUTADIENE STYRENE (ABS) PIPE — NOM 3 IN. (76 MM) DIAM (OR SMALLER) SCHEDULE 40 CELLULAR OR SOLID CORE ABS PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
  - C. RIGID NONMETALLIC CONDUIT — NOM 3 IN. (76 MM) DIAM (OR SMALLER) SCHEDULE 40 PVC CONDUIT INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NFPA NO. 70).
  - D. FIBERSTOP SYSTEM — THE FIBERSTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
    - A. FILL, VOID OR CAVITY MATERIALS — WRAP STRIP — NOM 1/4 IN. (6 MM) THICK BY 1 3/8 IN. (35 MM) WIDE INTUMESCENT STRIP (R22), NOM 1/8 IN. (3.2 MM) BY 2 IN. (51 MM) WIDE TYPE 150 CELLULOSE OR NOM 3/8 IN. (9.5 MM) BY 2 IN. (51 MM) WIDE INTUMESCENT STRIP (R12) WITH ENDS BUTTED AND HELD IN PLACE WITH A SINGLE WRAP OF ALUMINUM FOIL TAPE. THE BOTTOM EDGE OF THE WRAP STRIP SHALL EXTEND 1/4 IN. (6 MM) BELOW BOTTOM SURFACE OF CEILING OR LOWER TOP PLATE OF CHASE WALL ASSEMBLY.
    - B. PASSIVE FIRE PROTECTION PARTNERS — N/A
- G. FILL, VOID OR CAVITY MATERIAL — SEALANT — FILL MATERIAL FORCED INTO ANNULUS TO FULL SPACE TO MAX EXTENT POSSIBLE, FLUSH WITH TOP SURFACE OF FLOOR AND BOTTOM SURFACE OF CEILING OR LOWER TOP PLATE OF CHASE WALL ASSEMBLY. ADDITIONAL FILL MATERIAL TO BE INSTALLED TO FORM A MIN 1/4 IN. (6 MM) CROWN AROUND WRAP STRIP AT ITS EXCESS FROM BOTTOM SURFACE OF CEILING OR LOWER TOP PLATE OF CHASE WALL ASSEMBLY.

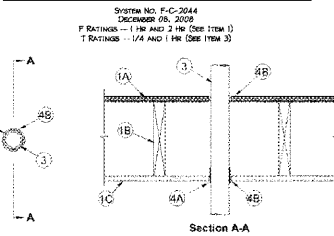
- C. FOIL TAPE — (NOT SHOWN) — NOM 4 MIL BY 4 IN. (102 MM) WIDE FOIL TAPE WRAPPED TIGHTLY AROUND THE EXPOSED PORTION OF THE WRAP STRIP AND OVERLAPPED ONTO GYPSUM CEILING AND PIPE A MIN 1 IN. (25 MM).
- MIN PIPE SIZE:
  - IN. (MM) PIPE TYPE DIAM OF OPENING
  - IN. (MM) NUMBER OF WRAP STRIP LAYERS T RATING

1 TO 1-1/4 (25 TO 32)	PVC, ABS, CPVC, RNC 2 (51)	2	1
2 (51)	PVC, ABS, CPVC, RNC 3 (76)	2	1
3 (76)	PVC, ABS, CPVC, RNC 4-1/2 (114)	4	3/4
4 (102)	PVC, CPVC, RNC 5-1/2 (140)	5	3/4

\*BEARING THE U.L. LISTING MARK

\*BEARING THE U.L. CLASSIFICATION MARK

**NONMETALLIC PIPE OR CONDUIT THROUGH WOOD FLOOR / CEILING SYSTEM**



**Section A-A**

1. FLOOR-CEILING ASSEMBLY — The 1 HR FIRE RATED SOLID OR TRUSSED LUMBER JOIST FLOOR-CEILING ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL L300 SERIES FLOOR-CEILING DESIGN IN THE U.L. FIRE RESISTANCE DIRECTORY, AS SUMMARIZED BELOW:

- A. FLOORING SYSTEM — LUMBER OR PLYWOOD SUBFLOOR WITH FINISH FLOOR OF LUMBER, PLYWOOD OR FLOOR TYPING MATERIAL AS SPECIFIED IN THE INDIVIDUAL FLOOR-CEILING DESIGN. MAX DIAM OF FLOOR OPENING IS 5 IN.
- B. WOOD JOISTS — NOM 2 BY 10 IN. (51 BY 254 MM) LUMBER JOISTS SPACED 16 IN. (406 MM) OC WITH NOM 1 BY 3 IN. (25 BY 76 MM) LUMBER BRIDGES AND WITH ENDS FIRESTOPPED. AS AN ALTERNATE TO LUMBER JOISTS, NOM 10 IN. (254 MM) DEEP (OR DEEPER) LUMBER, STEEL OR COMBINATION LUMBER AND STEEL JOISTS, TRUSSES OR STRUCTURAL WOOD MEMBERS WITH BRIDGING AS REQUIRED WITH ENDS FIRESTOPPED.
- C. FLOORING BOARD — THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS AS REQUIRED IN THE INDIVIDUAL FLOOR-CEILING DESIGN. MAX DIAM OF CEILING OPENING IS 3 IN. (76 MM).
- D. FURRING CHANNELS — (NOT SHOWN) — TWO 2 HR FIRE RATED ASSEMBLIES, RESILIENT GALV STEEL FURRING CHANNELS INSTALLED PERPENDICULAR TO WOOD JOISTS BETWEEN BASE AND FACE LAYERS OF GYPSUM BOARD (ITEM C). FURRING CHANNELS SPACED MAX 24 IN. (610 MM) OC WITH ADDITIONAL SHORT LAYERS OF FURRING CHANNELS INSTALLED ADJACENT TO AND MAX 3 IN. (76 MM) FROM TWO OPPOSING SIDERS OF PENETRANT.
- E. CHASE WALL — (OPTIONAL, NOT SHOWN) — THE THROUGH-PENETRANT (ITEM 3) MAY BE ROUTED THROUGH A 1 OR 2 HR FIRE RATED SINGLE, DOUBLE OR STAGGERED WOOD STUD/GYPSUM BOARD CHASE WALL, CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL L300 SERIES WALL AND PARTITION DESIGN IN THE U.L. FIRE RESISTANCE DIRECTORY AND SHALL HAVE THE FOLLOWING CONSTRUCTION DETAILS:
  - A. STUDS — NOM 2 BY 4 IN. (51 BY 102 MM), 2 BY 6 IN. (51 BY 152 MM) OR DOUBLE NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER STUDS.
  - B. SOLID PLATE — NOM 2 BY 4 IN. (51 BY 102 MM), 2 BY 6 IN. (51 BY 152 MM) OR TWO SETS OF PARALLEL 2 BY 4 IN. (51 BY 102 MM) LUMBER PLATES, TIGHTLY BUTTED.
  - C. TOP PLATE — THE DOUBLE TOP PLATE SHALL CONSIST OF TWO NOM 2 BY 4 IN. (51 BY 102 MM), 2 BY 6 IN. (51 BY 152 MM) OR TWO SETS OF PARALLEL 2 BY 4 IN. (51 BY 102 MM) LUMBER PLATES, TIGHTLY BUTTED. MAX DIAM OF OPENING IS 5 IN. (127 MM).
  - D. GYPSUM BOARD — THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN.
- F. THROUGH PENETRANTS — ONE NONMETALLIC PIPE OR CONDUIT TO BE INSTALLED APPROXIMATELY MIDWAY BETWEEN WOOD JOISTS AND CENTERED WITHIN THE FIRESTOP SYSTEM. DIAM OF OPENINGS HOLE-SAWED THROUGH FLOORING SYSTEM AND THROUGH GYPSUM WALL AND CEILING TO BE NOM 5/8 IN. (16 MM) LARGER THAN THE OUTSIDE DIAM OF THROUGH-PENETRANT. PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDERS OF THE FLOOR-CEILING ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF NONMETALLIC PIPES OR CONDUITS MAY BE USED:
  - A. POLYVINYL CHLORIDE (PVC) PIPE — NOM 3 IN. (76 MM) DIAM (OR SMALLER) SCHEDULE 40 CELLULAR OR SOLID CORE PVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
  - B. ACRYLONITRILE BUTADIENE STYRENE (ABS) PIPE — NOM 3 IN. (76 MM) DIAM (OR SMALLER) SCHEDULE 40 CELLULAR OR SOLID CORE ABS PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
  - C. RIGID NONMETALLIC CONDUIT — NOM 3 IN. (76 MM) DIAM (OR SMALLER) SCHEDULE 40 PVC CONDUIT INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NFPA NO. 70).
  - D. FIBERSTOP SYSTEM — THE FIBERSTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
    - A. FILL, VOID OR CAVITY MATERIALS — WRAP STRIP — NOM 1/4 IN. (6 MM) THICK BY 1 3/8 IN. (35 MM) WIDE INTUMESCENT STRIP (R22), NOM 1/8 IN. (3.2 MM) BY 2 IN. (51 MM) WIDE TYPE 150 CELLULOSE OR NOM 3/8 IN. (9.5 MM) BY 2 IN. (51 MM) WIDE INTUMESCENT STRIP (R12) WITH ENDS BUTTED AND HELD IN PLACE WITH A SINGLE WRAP OF ALUMINUM FOIL TAPE. THE BOTTOM EDGE OF THE WRAP STRIP SHALL EXTEND 1/4 IN. (6 MM) BELOW BOTTOM SURFACE OF CEILING OR LOWER TOP PLATE OF CHASE WALL ASSEMBLY.
    - B. PASSIVE FIRE PROTECTION PARTNERS — N/A
- G. FILL, VOID OR CAVITY MATERIAL — SEALANT — FILL MATERIAL FORCED INTO ANNULUS TO FULL SPACE TO MAX EXTENT POSSIBLE, FLUSH WITH TOP SURFACE OF FLOOR AND BOTTOM SURFACE OF CEILING OR LOWER TOP PLATE OF CHASE WALL ASSEMBLY. ADDITIONAL FILL MATERIAL TO BE INSTALLED TO FORM A MIN 1/4 IN. (6 MM) CROWN AROUND WRAP STRIP AT ITS EXCESS FROM BOTTOM SURFACE OF CEILING OR LOWER TOP PLATE OF CHASE WALL ASSEMBLY.

- C. FOIL TAPE — (NOT SHOWN) — NOM 4 MIL BY 4 IN. (102 MM) WIDE FOIL TAPE WRAPPED TIGHTLY AROUND THE EXPOSED PORTION OF THE WRAP STRIP AND OVERLAPPED ONTO GYPSUM CEILING AND PIPE A MIN 1 IN. (25 MM).
- MIN PIPE SIZE:
  - IN. (MM) PIPE TYPE DIAM OF OPENING
  - IN. (MM) NUMBER OF WRAP STRIP LAYERS T RATING

1 TO 1-1/4 (25 TO 32)	PVC, ABS, CPVC, RNC 2 (51)	2	1
2 (51)	PVC, ABS, CPVC, RNC 3 (76)	2	1
3 (76)	PVC, ABS, CPVC, RNC 4-1/2 (114)	4	3/4
4 (102)	PVC, CPVC, RNC 5-1/2 (140)	5	3/4

\*BEARING THE U.L. LISTING MARK

\*BEARING THE U.L. CLASSIFICATION MARK

**TYPICAL BREEZEWAY WALL ASSEMBLY**

