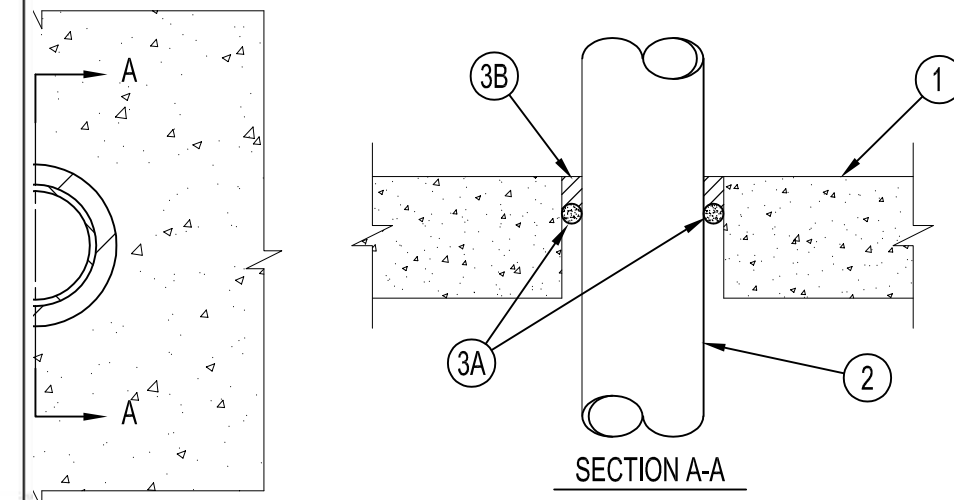




Department of Community Affairs
 Construction Project Review
 Project No.: AC-045-26
 Partial Release
 BLDG INTERIOR
 Frank Felice
 Released: 4/1/2026
 N.J.S.A. 52:27D-119 ET SEQ., AS AMENDED

ORING THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL

System No. C-AJ-1276
 F RATING = 3-HR.
 T RATING = 0-HR.



- Floor or Wall Assembly – Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 6 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
- Through Penetrants – One metallic pipe, conduit or tubing to be centered within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
 - Steel Pipe – Nom 4 in. diam (or smaller) Schedule 10 (or heavier) steel pipe. A nom annular space of 3/4 in. is required within the firestop system.
 - Conduit – Nom 4 in. diam (or smaller) steel electrical metallic tubing or steel conduit. A nom annular space of 3/4 in. is required within the firestop system.
- Firestop System – The firestop system shall consist of the following:
 - Packing or Forming Materials – Optional – One of the following packing or forming materials may be used:
 - Foam backer rod tightly packed into the opening as a permanent form. Packing material to be recessed from the top surface of floor or both surfaces of wall as required to accommodate the required thickness of putty.
 - Mineral wool batt insulation, min 4 pcf, tightly packed into the opening as a permanent form. Packing material to be recessed from the top surface of floor or both surfaces of wall as required to accommodate the required thickness of putty.
 - Forming materials* – Forming material to be foamed into the opening as a permanent form. Forming material to be recessed from the top surface of floor or both surfaces of wall as required to accommodate the required thickness of putty.
 - HLTI, Inc. – CF128 Foam Sealant
 - Fill, Void or Cavity Material* – Putty – Min 1 in. thickness of putty applied within the annulus, flush with top surface of floor or with both surfaces of wall.
 - HLTI, Inc. – CP 618 Firestop Putty Stick

- Foam backer rod tightly packed into the opening as a permanent form. Packing material to be recessed from the top surface of floor or both surfaces of wall as required to accommodate the required thickness of putty.
 - Mineral wool batt insulation, min 4 pcf, tightly packed into the opening as a permanent form. Packing material to be recessed from the top surface of floor or both surfaces of wall as required to accommodate the required thickness of putty.
 - Forming materials* – Forming material to be foamed into the opening as a permanent form. Forming material to be recessed from the top surface of floor or both surfaces of wall as required to accommodate the required thickness of putty.
 - HLTI, Inc. – CF128 Foam Sealant
- B. Fill, Void or Cavity Material* – Putty – Min 1 in. thickness of putty applied within the annulus, flush with top surface of floor or with both surfaces of wall.
- HLTI, Inc. – CP 618 Firestop Putty Stick
- *Bearing the UL Classification Marking

SINGLE OR MULTIPLE CABLES THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL

System No. C-AJ-3095
 F RATING = 3-HR.
 T RATING = 0, 1/2 & 3/4 HR. (See Item 3)



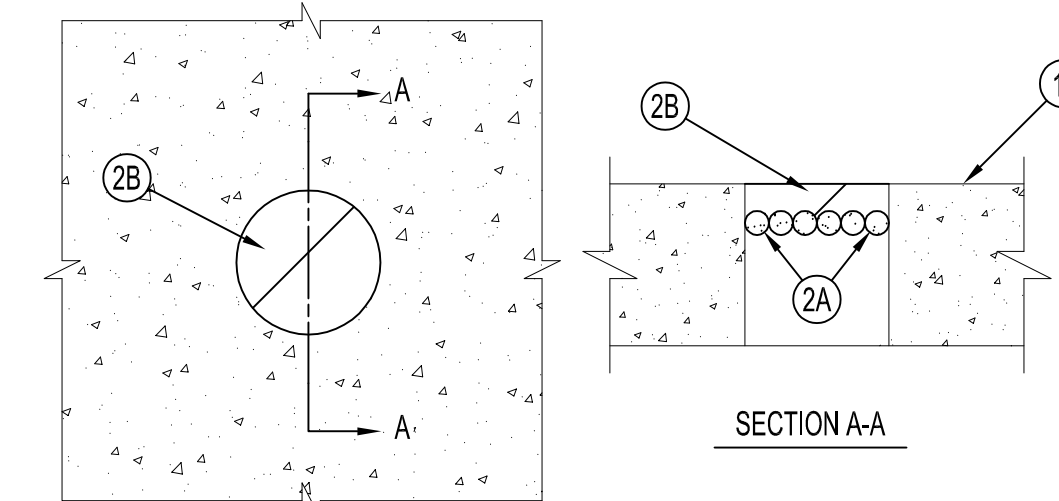
- Floor or Wall Assembly – Min 2-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete floor or min 3 in. thick reinforced lightweight or normal weight concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 6 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
- Steel Sleeve (Optional) – Nom 6 in. diam (or smaller) Schedule 10 (or heavier) steel pipe cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
- Cables – Aggregate cross-sectional area of cables in opening to be min 25 percent to max 45 percent of the aggregate cross-sectional area of the opening. Cables to be rigidly supported on both sides of floor or wall assembly. Any combination of the following types and sizes of metallic conductor or fiber optic cable may be used:
 - Max 500 kcmil single copper conductor power cable with thermoplastic insulation and polyvinyl chloride (PVC) jacket. When single copper conductor power cable is used, T Rating is 0 hr.

- Max 350 kcmil single conductor power cables with either aluminum or copper conductors and cross-linked polyethylene (XLPE) insulation. When single aluminum conductor power cable is used, T Rating is 0 hr. When single copper conductor power cable is used, T Rating is 1/2 hr.
- Max 300 pair No. 24 AWG copper conductor telecommunication cables with polyvinyl chloride (PVC) insulation and jacket material. When telecommunication cable is used, T Rating is 0 hr.
- Max 3/8 copper conductor No. 12 AWG multiconductor power and control cables with PVC or cross-linked polyethylene (XLPE) insulation and PVC jacket. When multiconductor power and control cable is used, T Rating is 3/4 hr.
- Multiple fiber optical communication cables jacketed with PVC and having a max outside diam of 1/2 in. When fiber optic cable is used, T Rating is 3/4 hr.

- Max 3/8 copper conductor No. 12 AWG with Bare aluminum ground, polyvinyl chloride (PVC) insulated steel, Metal-clad cable+. When MC cable is used, T Rating is 0 hr.
 - AFCC Cable Systems, Inc.
 - Packing Material – Min 2 in. thickness of min 4.0 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed 1/2 in. from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
 - Fill, Void or Cavity Material* – Sealant – Min 1/2 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.
 - HLTI, Inc. – FS-ONE Sealant
- *Bearing the UL Classification Marking

BLANK OPENING IN CONCRETE FLOOR/WALL OR BLOCK WALL

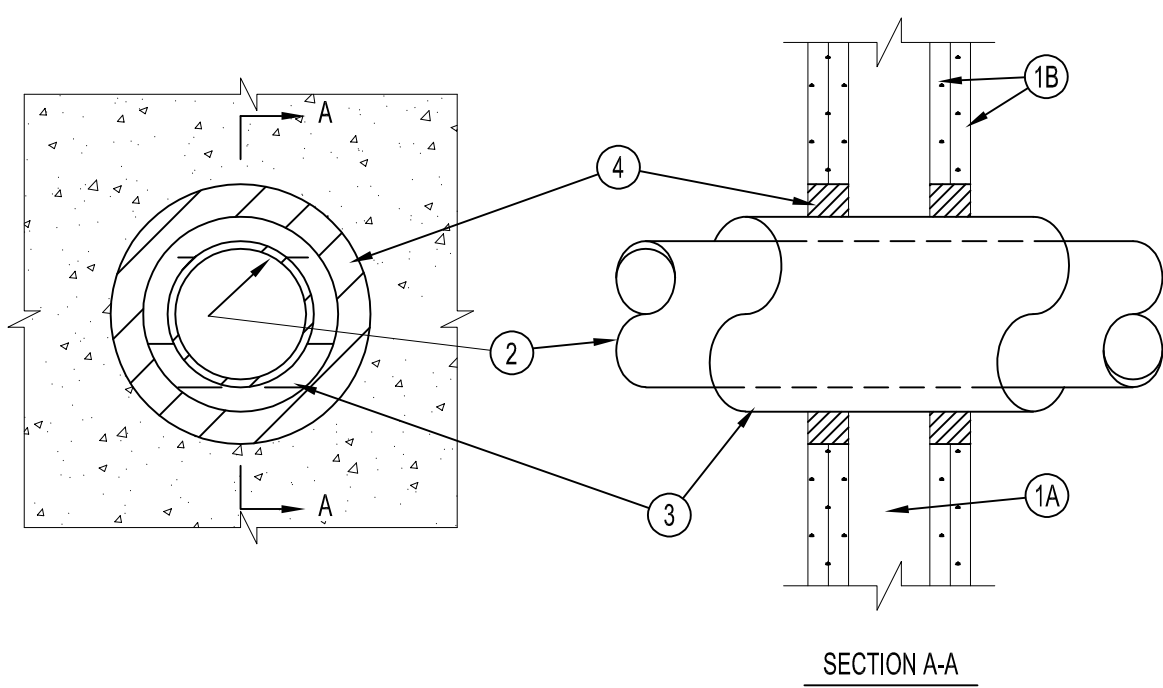
System No. C-AJ-0058
 F RATING = 3-HR.
 T RATING = 1-HR.



- Floor or Wall Assembly – Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 4 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
 - Firestop System – The firestop system shall consist of the following:
 - Packing or Forming Materials – One of the following packing or forming materials may be used:
 - Foam backer rod tightly packed into the opening as a permanent form. Packing material to be recessed from the top surface of floor or both surfaces of wall as required to accommodate the required thickness of putty.
 - Mineral wool batt insulation, min 4 pcf, tightly packed into the opening as a permanent form. Packing material to be recessed from the top surface of floor or both surfaces of wall as required to accommodate the required thickness of putty.
 - Forming materials* – Forming material to be foamed into the opening as a permanent form. Forming material to be recessed from the top surface of floor or both surfaces of wall as required to accommodate the required thickness of putty.
 - HLTI, Inc. – CF128 Foam Sealant
 - Fill, Void or Cavity Material* – Putty – Min 3/4 in. thickness of putty applied within the annulus, flush with top surface of floor or with both surfaces of wall.
 - HLTI, Inc. – CP 618 Firestop Putty Stick
- *Bearing the UL Classification Marking

INSULATED METAL PIPE THROUGH 1-HR OR 2-HR GYPSUM WALL ASSEMBLY

System No. WL-5028
 F Ratings - 1 and 2 Hr (See Item 1)
 T Ratings - 1/2 and 3/4 Hr



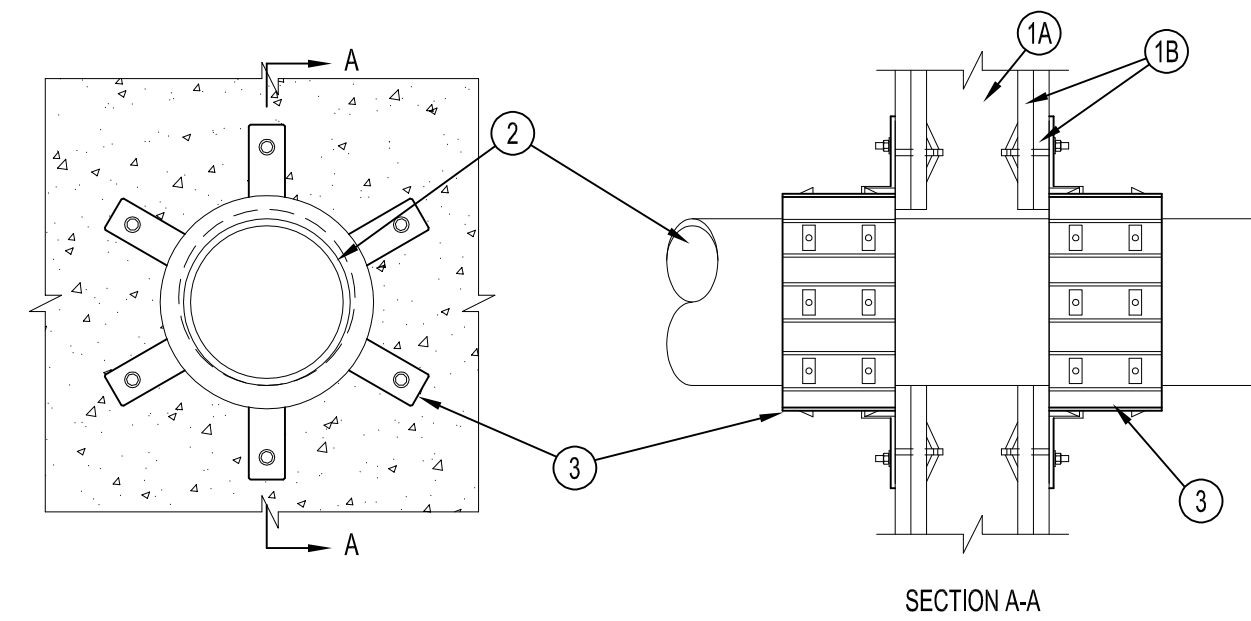
- Wall Assembly – The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs – Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced max 24 in. OC.
 - Wallboard, Gypsum* – 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheath orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 7-1/2 in. The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
 - Through Penetrants – One metallic pipe, conduit or tubing to be centered within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
 - Steel Pipe – Nom 4 in. diam (or smaller) Schedule 40 (or heavier) steel pipe.
 - Conduit – Nom 4 in. diam (or smaller) electrical metallic tubing or steel conduit.
 - Copper Tubing – Nom 2 in. diam (or smaller) Type L (or heavier) copper tubing.
 - Copper Pipe – Nom 2 in. diam (or smaller) Regular (or heavier) copper pipe.
 - Tube Insulation – Plastics+ – Nom 3/4 in. thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. An annular space of min 0 in. (point contact) to max 1-1/2 in. is required within the firestop system. See Plastics+ (QMFZ2) category in the Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-SW may be used. The hour 1 Rating of the firestop system is dependent on the hourly fire rating of the wall assembly in which it is installed, the size and type of through penetrant and the pipe covering thickness, as shown in the table below:

Wall Assembly Rating	Through Penetrant Type+	Max Diam In.	T Rating Hr
1	A or B	4	1/2
1	A, B, C or D	2	3/4
2	A or B	4	1/2
2	A, B, C or D	2	3/4

- +Indicates penetrant type as itemized in Item 2.
- Fill, Void or Cavity Material* – Sealant – Min 5/8 in. or 1-1/4 in. thickness of fill material applied within the annulus, flush with both surfaces of wall for 1 or 2 hr walls, respectively. At the point contact location between pipe covering and gypsum wallboard, a min 1/2 in. diam bead of fill material shall be applied at the pipe covering/gypsum wallboard interface on both surfaces of wall.
 - HLTI, Inc. – FS-ONE Sealant
- *Bearing the UL Classification Marking

PLASTIC PIPE THROUGH 1-HR OR 2-HR GYPSUM WALL ASSEMBLY

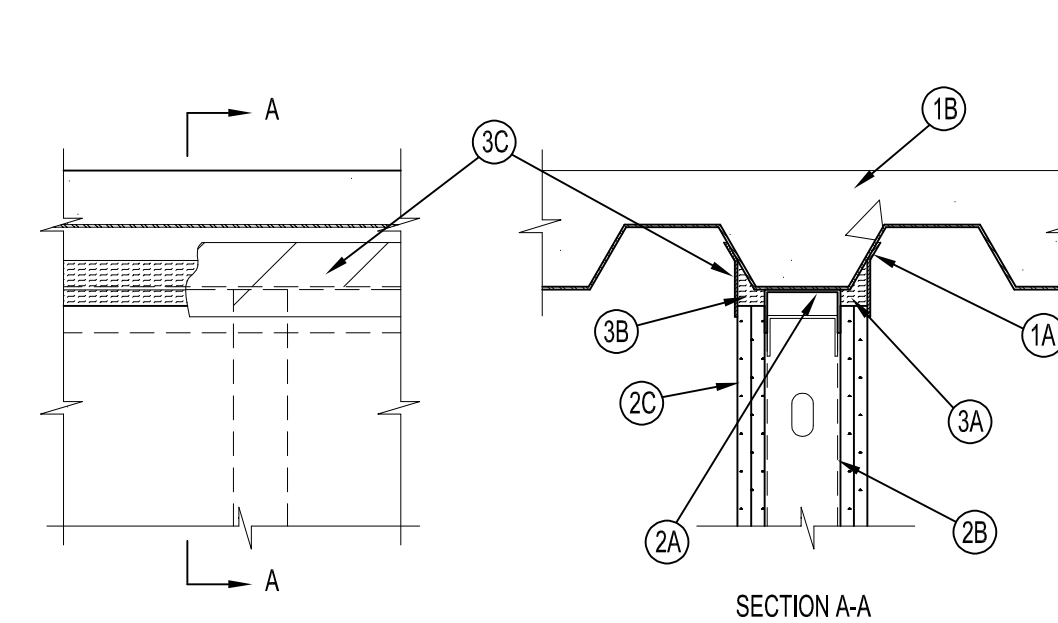
System No. WL-2078
 F Ratings - 1 & 2 Hr (See Item 1)
 T Ratings - 1 & 2 Hr (See Item 1)



- Wall Assembly – The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the construction features noted below. The hourly F Rating and T Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed:
 - Studs – Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced max 24 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
 - Wallboard, Gypsum* – Nom 5/8 in. thick gypsum wallboard, as specified in the individual Wall and Partition Design. Max diam of opening is 7 in.
 - Through-Penetrants – One nonmetallic pipe, conduit or tubing to be installed within the firestop system. The annular space between pipe and periphery of opening shall be min 0 in. (point contact) to max 1/2 in. Pipe or conduit to be rigidly supported on both sides of the wall assembly. The following types and sizes of nonmetallic pipes may be used:
 - Polyvinyl Chloride (PVC) Pipe – Nom 6 in. 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.
 - Chlorinated Polyvinyl Chloride (CPVC) Pipe – Nom 6 in. diam (or smaller) SDR17 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
 - Acrylonitrile Butadiene Styrene (ABS) Pipe – Nom 6 in. 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.
 - Flame Retardant Polypropylene (FRPP) Pipe – Nom 6 in. diam (or smaller) Schedule 40 FRPP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
 - Firestop Device* – Firestop Collar – Firestop collar shall be installed in accordance with the accompanying installation instructions. Collar to be installed and latched around the pipe and secured to both sides of the wall using the anchor hooks provided with the collar. (Minimum 2 anchor hooks for 1-1/2 and 2 in. diam pipes, 3 anchor hooks for 3 and 4 in. diam pipes, and 6 anchor hooks for 6 in. diam pipes). The anchor hooks are to be secured to the surface of wall with 3/16 2-1/2 in. long toggle bolts along with washers.
 - HLTI, Inc. – CP 643 50/1.5", CP 643 63/2", CP 643 90/3", CP 643 110/4" or CP 642 160/6" Firestop Collar
- *Bearing the UL Classification Marking

TOP OF WALL JOINT: 1-HR OR 2-HR GYPSUM WALL ASSEMBLY

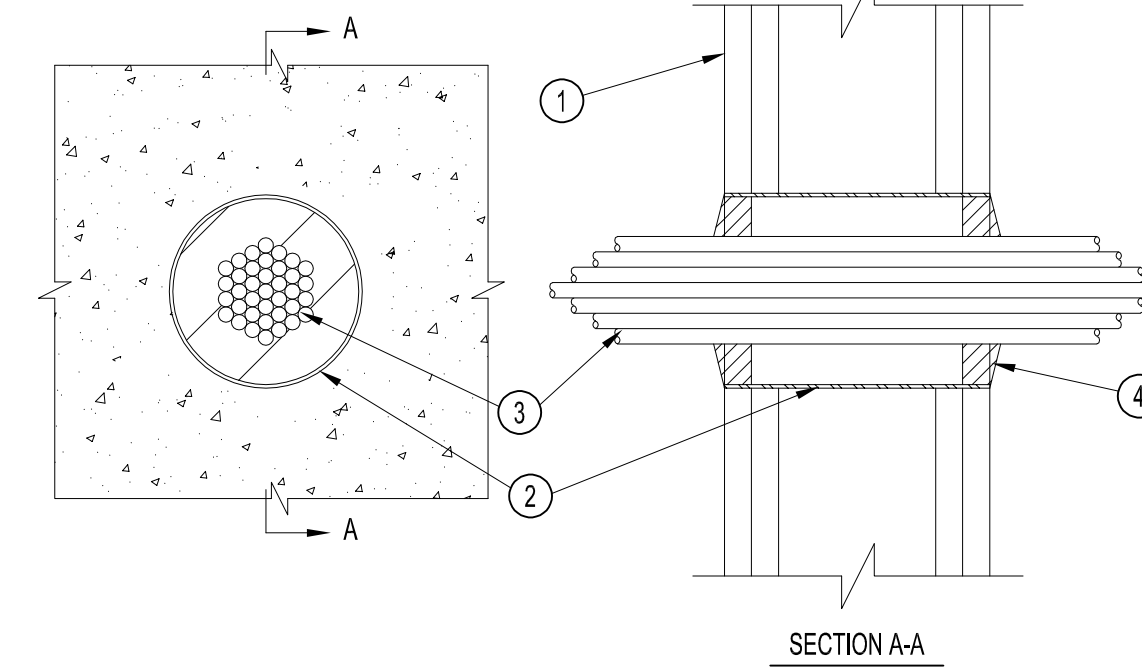
System No. HW-D-0049
 Assembly Ratings - 1 and 2 Hr (See Items 2 and 3B)
 Nominal Joint Width - 1 in.
 Class II Movement Capabilities - 50% Compression or Extension



- Floor Assembly – The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner specified in the individual Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:
 - Steel Floor and Form Units* – Max 3 in. deep galv fluted units.
 - Concrete – Min 2-1/2 in. thick reinforced concrete, as measured from the top plane of the floor units.
 - Wall Assembly – The 1 or 2 hr fire-rated gypsum wallboard/steel stud assembly shall be constructed of the materials and in the manner specified in the individual U400-Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - Steel Floor and Ceiling Runners – Floor and ceiling runners of wall assembly shall consist of min 25 gauge galv steel channels sized to accommodate steel studs (Item 2B). Ceiling runner to be provided with 2 in. flanges. Ceiling runner secured to valleys of steel floor units (Item 1A) with steel fasteners spaced max 12 in. OC.
 - Studs – Steel studs to be min 2-1/2 in. wide. Studs cut 5/8 to 3/4 in. less in length than assembly height with bottom nesting in and resting on floor runner and with top nesting in ceiling runner without attachment. Stud spacing not to exceed 24 in. OC.
 - Wallboard, Gypsum* – Wallboard sheets installed to a min total thickness of 5/8 or 1-1/4 in. on each side of wall, for 1 and 2 hr. rated assemblies, respectively. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory, except that a nom 1 in. gap shall be maintained between the top of the wallboard and the bottom of the steel floor units and the top row of screws shall be installed into the studs 3-1/2 to 4 in. below the lower surface of the floor.
 - Joint System – Max separation between bottom of floor and top of wall at time of installation of joint system is 1 in. The joint system is designed to accommodate a max 50 percent compression or extension from its installed width. The joint system consists of forming material and a fill material, as follows:
 - Forming Material* – Nom 5/8 to 1-1/4 in. wide by 1-1/2 in. high strips of min 8 pcf mineral wool batt insulation are to be cut to fill the 1 in. gap between the top of the wallboard and bottom of the steel floor units. The strips of mineral wool are compressed and firmly packed, cut edge first, into the gap between the top of the wallboard and bottom of the steel floor units on both sides of the wall.
 - Rock Wool Mfg. Co. – Delta-8
 - Fill, Void or Cavity Material* – Min 1/8 in. wet thickness of fill material sprayed or troweled on each side of the wall to completely cover mineral wool forming material and to overlap a min of 1/2 in. onto wallboard and steel deck on both sides of wall.
 - HLTI, Inc. – CP672 Firestop Spray
- *Bearing the UL Classification Marking

CABLE BUNDLE THROUGH 1-HR OR 2-HR GYPSUM WALL ASSEMBLY

System No. WL-3111
 F Ratings - 1 and 2 Hr
 T Rating - 0 Hr



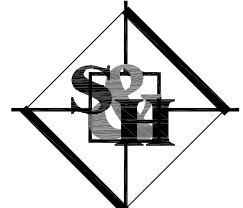
- Wall Assembly – The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the Fire Resistance Directory and shall include the following construction features:
 - Studs – Wall framing shall consist of either wood studs or channel shaped steel studs. Wood studs to consist of 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide, fabricated from min 25 MSG galvanized steel, spaced max 24 in. OC.
 - Wallboard, Gypsum* – 5/8 in. 4 ft wide with square or tapered edges. The gypsum wallboard type, number of layers and sheet orientation shall be as specified in the individual U300 or U400 Series Designs in the UL Fire Resistance Directory. Max diam of opening is 4 in.
 - Metallic Sleeve – The nominal 4 in. diam steel electrical metallic tubing (EMT) or Schedule 5 steel pipe friction fit into wall assembly and installed flush with wall surfaces.
 - Cables – Aggregate cross-sectional area of cables to be max 25 percent of the cross-sectional area of the opening. The annular space between the cable bundle and the periphery of the opening to be min 1/8 in. to max 3/4 in. Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types and sizes of cables may be used:
 - 6 pair – No. 24 AWG telephone cable with polyvinyl chloride (PVC) insulation and PVC jacket.
 - 24 fiber optic cable with polyvinyl chloride (PVC) outer and subunit jacket.
 - Type RGU/59 coaxial cable with polyethylene (PE) insulation and polyvinyl (PVC) jacket.
 - The 2/C No. 10 AWG cable with ground with polyvinyl (PVC) insulation and jacket.
 - 3/C No. 12 AWG cable with polyvinyl chloride (PVC) insulation in a nominal 1/2 in. flexible metal conduit.
 - Fill, Void or Cavity Material* – Putty – Min 5/8 in. thickness of fill material applied within annulus, flush with both surfaces of wall. Fill material to be forced into interstices of cable bundle to the max extent possible on both surfaces of wall. Additional fill material to be installed such that a min 1/4 in. crown is formed around the cable bundle and lapped over the steel sleeve.
 - HLTI, Inc. – CP618 Firestop Putty Stick
- *Bearing the UL Classification Marking

NOTE:
 CORING THROUGH SLAB RIBS FOR PIPE/CONDUIT PENETRATIONS SHOULD BE AVOIDED. AT LOCATIONS WHERE PENETRATIONS HAVE BEEN CORED, THE PORTION OF THE OVER CORE THAT IS AWAY FROM THE PIPE SHALL BE INFILLED WITH NON-SHRINK GROUT. FIRE RATING TO BE MAINTAINED.

DI Group Architecture

ARCHITECTURE FOR CHANGE
 15 Bethany Street • New Brunswick, NJ 08901 •
 T: 732.249.6242
 2450 W. Hunting Park Ave., Bldg 9 • Philadelphia, PA 19129
 T: 215.634.3400

Jeffrey D. Vanezia, AIA
 NJ RA AI 00827100



SCHILLER AND HERSH ASSOCIATES, INC.
 Consulting M/E/P Engineers
 636 Skippack Pike
 Suite 200
 Blue Bell, PA 19422
 P: 215.886.8947
 F: 215.886.8956
 www.schillerhersh.com
 Certificate of Authorization: 24GA28014000
 SH_JOB # 2566A

NO.	REVISION	DATE

ISSUED FOR:

BID/ PERMIT

BOILER PROJECT AT
 BOZORTH HALL & HAWTHORN HALL
 ROWAN UNIVERSITY
 MEMORIAL CIRCLE, GLASSBORO, NJ 08028

FIRESTOPPING DETAILS

PROJECT NO.:	25.063
DRAWN BY:	KT
CHECKED BY:	KG
DATE:	03/06/2026
SCALE:	

DRAWING NO.:

A-002

THIS DRAWING IS FORMATTED TO BE PRINTED AT 36"x24"



Department of Community Affairs
 Construction Project Review
 Project No.: AC-045-26
 Partial Release
 BLDG INTERIOR
 Frank Felice
 Released: 4/1/2026
 N.J.S.A. 52:27D-119 ET SEQ., AS AMENDED

ROOM NUMBER	DOOR TYPE	DOOR MAT'L	FIRE RAT'G	DOOR WIDTH	DOOR HEIGHT	FRAME TYPE	HEAD/JAMB	HDWR SET	REMARKS
107	D2	HM	1 HR.	(1) 2'-0" / (1) 3'-0"	± 6'-8"	HMF-2	H1/ J1	1	PANIC HARDWARE
107	D1	HM	1 HR.	2'-8"	± 6'-8"	HMF-1	H1/ J1	5	PANIC HARDWARE/ 180° SWING/ CARD READER
107A	D1	HM	1 HR.	3'-0"	± 6'-8"	HMF-1	H2/ J2	3	
107B	D1	HM	1 HR.	3'-0"	± 6'-8"	HMF-1	H2/ J2	4	CARD READER BY G.C.
B101	D1	HM	1 HR.	± 2'-8"	± 6'-8"	HMF-1	H3/ J3	2	PANIC HARDWARE

PROPER ORIENTATION AND HANDING OF ALL FRAME SYSTEMS AND DOORS. IT SHALL BE THE RESPONSIBILITY TO VERIFY EACH SCHEDULED DOOR. TO BE VERIFIED IN FIELD (V.I.F.) PRIOR TO FABRICATION. NOTIFY ARCHITECT IN WRITING IMMEDIATELY IF ANY

DOOR OPENINGS, PLUMB AND TRUE, WITH EVEN MARGINS AT HEAD AND JAMB, AND TO CLEAR THE FINISHED DOOR BY 1/4". DOORS & FRAMES SHALL BE PROTECTED FROM DAMAGE UNTIL TIME OF OCCUPANCY. ALL DOORS AND FRAMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
 4. REFER TO PROJECT SPECIFICATIONS FOR HARDWARE SCHEDULE, SETS & ADDITIONAL INFORMATION.
 5. REFER TO SPECIFICATION SECTION 087100 FOR HARDWARE SETS.
 6. PROVIDE ROOM IDENTIFICATION SIGNS FOR ALL DOORS LISTED ON THE DOOR SCHEDULE.
 7. ALL KEYING AND LOCKING SHALL BE COORDINATED BY GC WITH OWNER. NEW CORES TO BE PROVIDED AND INSTALLED BY GC.
 8. ALL LOCKS SHALL BE PROVIDED WITH CHANGEABLE CORE. CORE TYPE TO BE COORDINATED WITH THE OWNER.
 9. PAINT ALL HOLLOW METAL DOOR AND FRAMES

PRECAST LOOSE LINTEL SCHEDULE

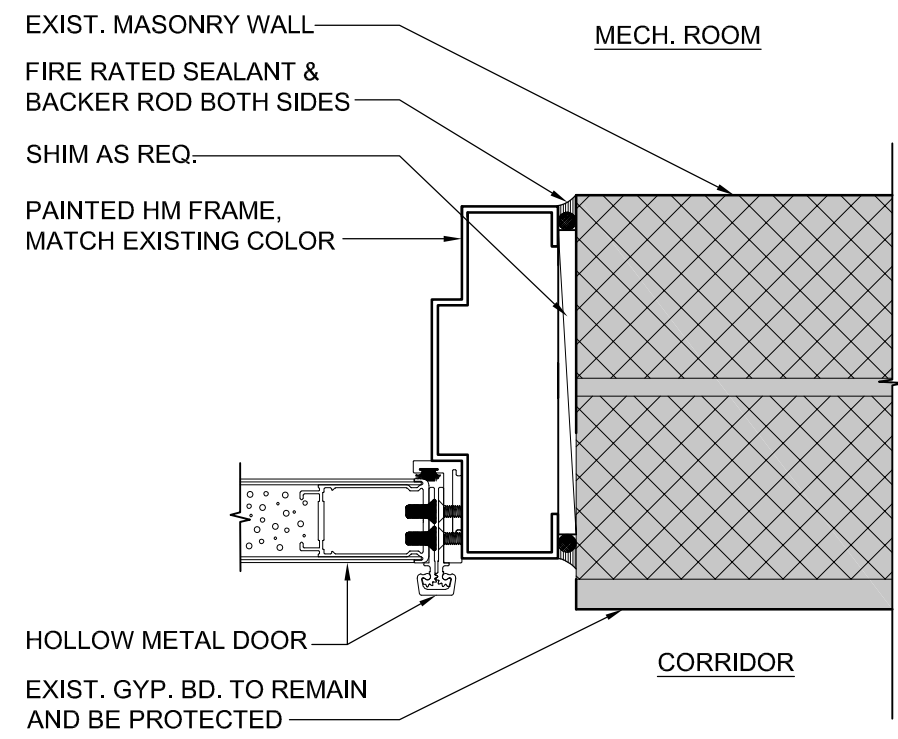
PRECAST CONCRETE LINTELS AS PER CASTEX CORP. (OR APPROVED EQUAL)

CLEAR SPAN (MASONRY OPENING)	LINTEL SIZE / LINTEL TYPE NUMBER	
	WALL THICKNESS (BLOCK SIZE)	
	8"	12"
6'-0"	1 - 8x8 / 576C - 8	1 - 4x8 / 576C 1 - 8x8 / 576C - 8
7'-0"	1 - 8x8 / 586C - 8	1 - 8x8 / 586C 1 - 8x8 / 586C - 8

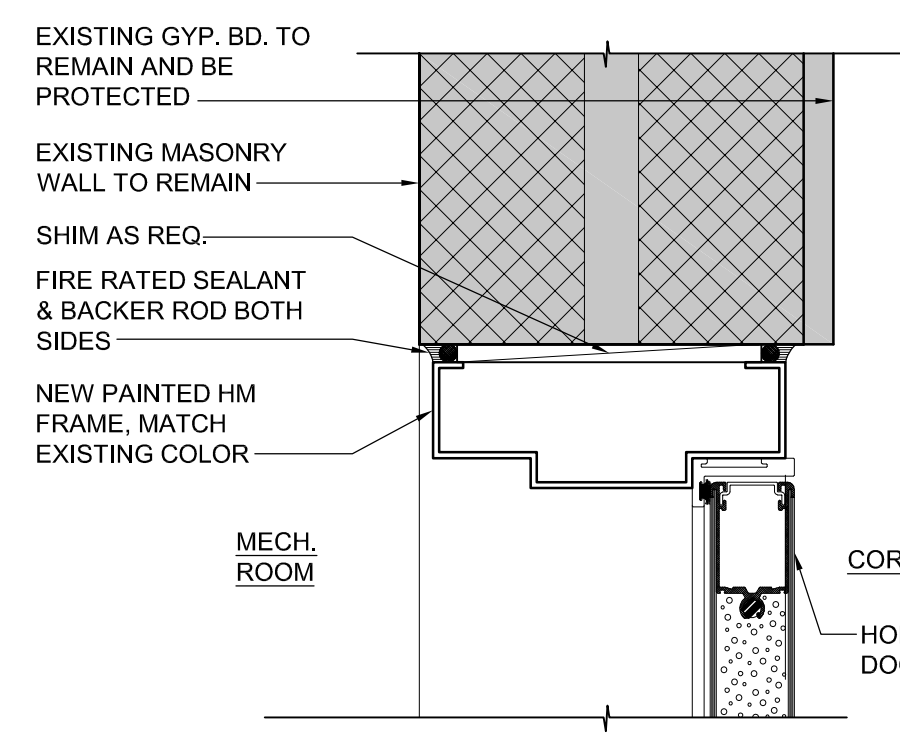
FINISH SPECIFICATION

WALLS:
 (PNT-1) Wall Paint
 MANUF: SHERWIN WILLIAMS
 COLOR: TBD
 FINISH: EGGSHELL

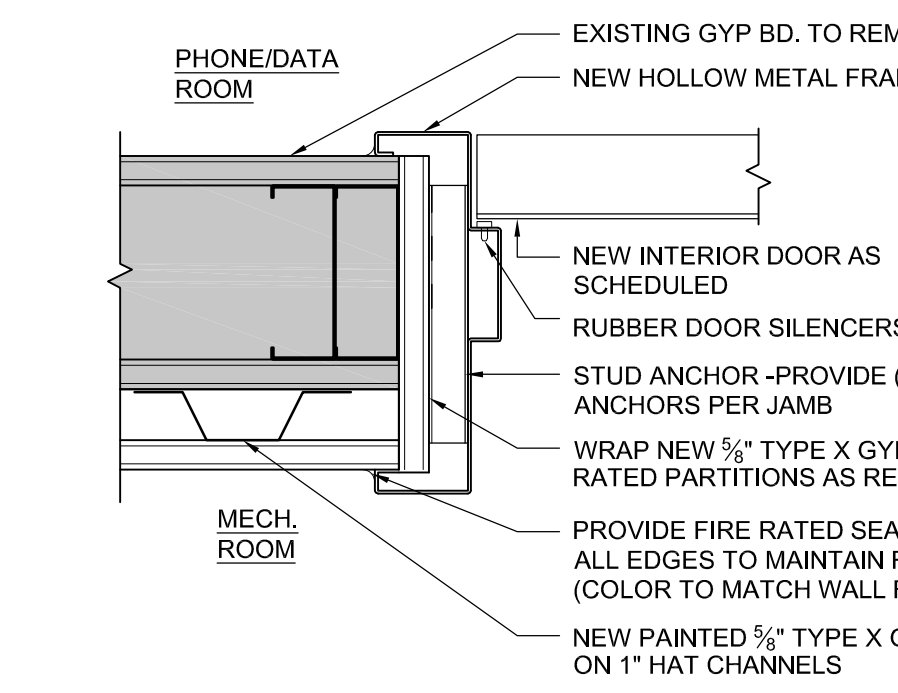
DOORS:
 (PNT-3) Hollow Metal Doors and Frames
 MANUF: SHERWIN WILLIAMS
 COLOR: TBD
 FINISH: SEMI GLOSS



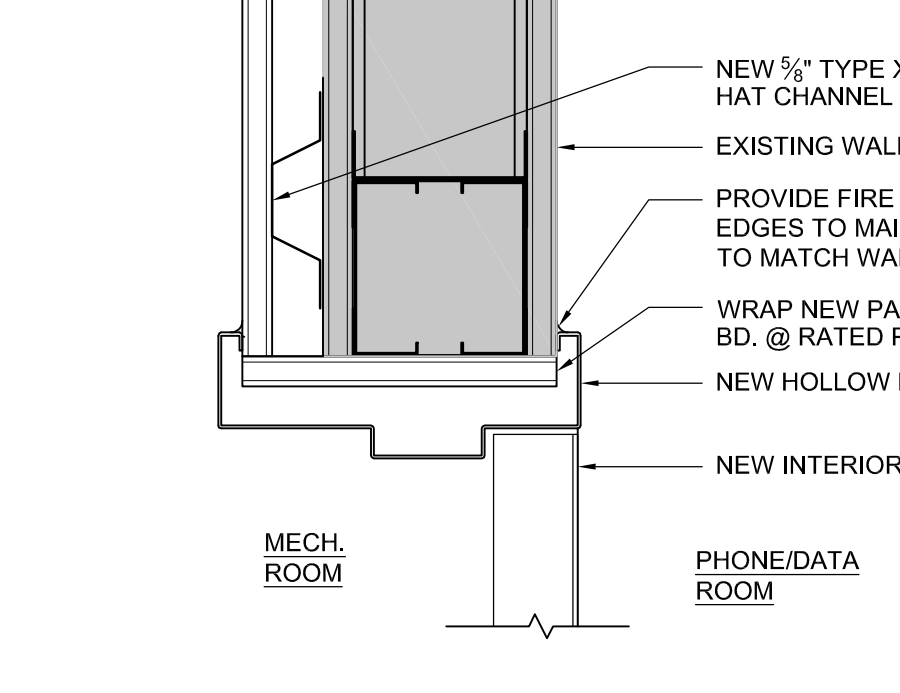
J1 Jamb Detail
 SCALE: 3"=1'-0"



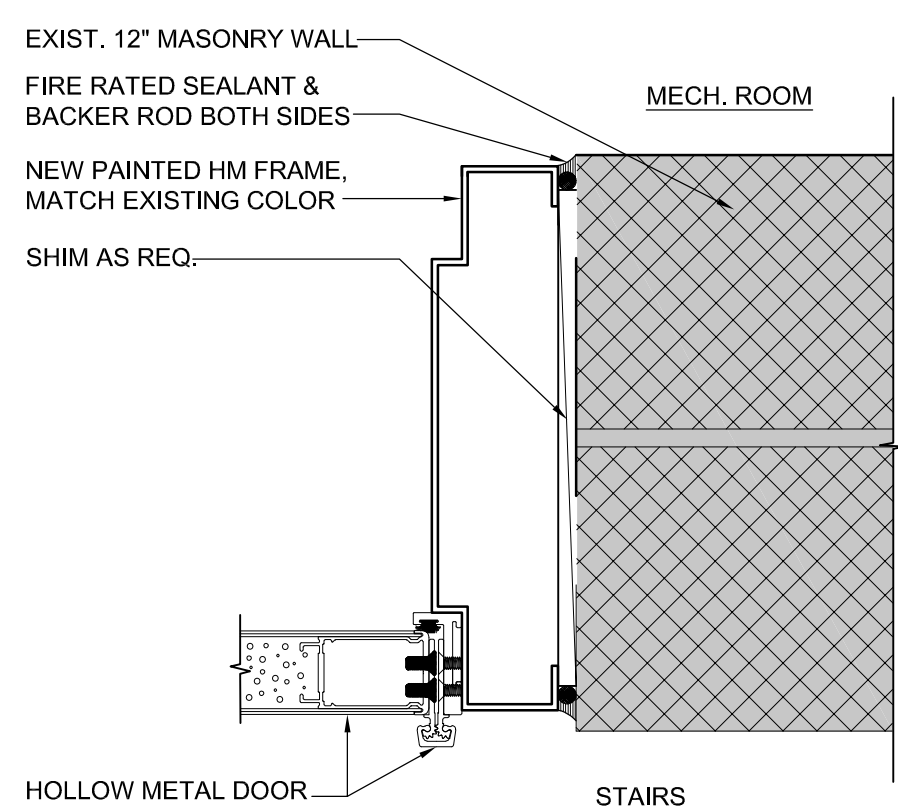
H1 Head Detail
 SCALE: 3"=1'-0"



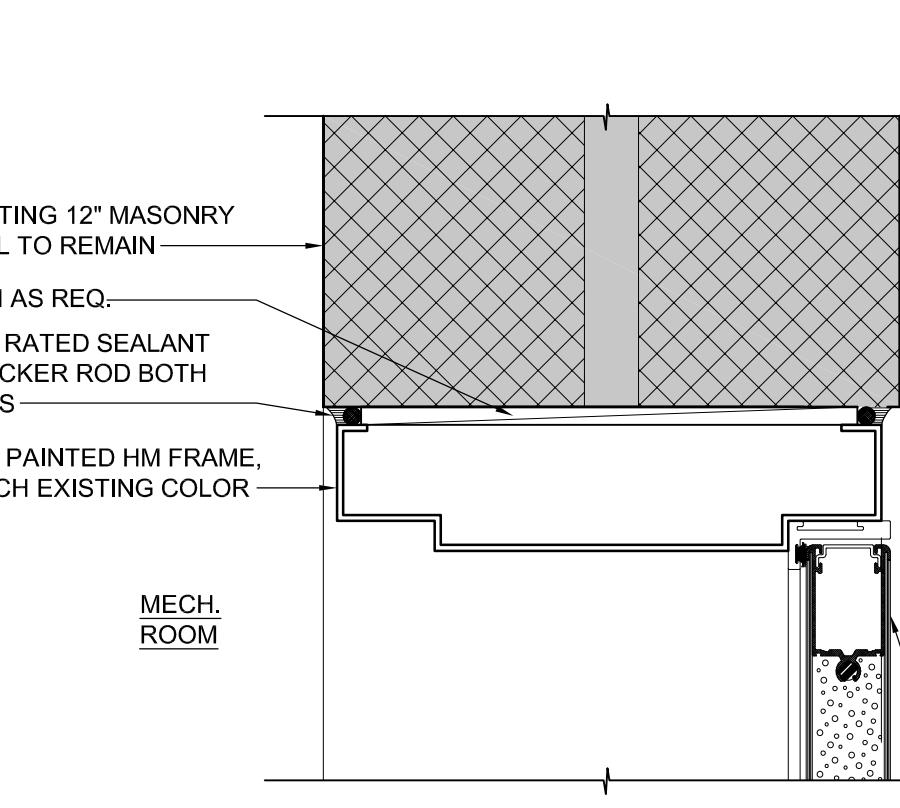
J2 Jamb Detail
 SCALE: 3"=1'-0"



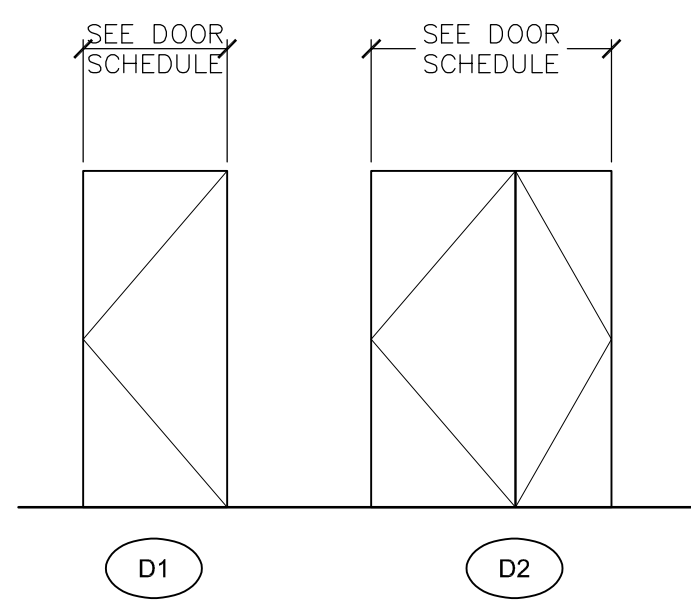
H2 Head Detail
 SCALE: 3"=1'-0"



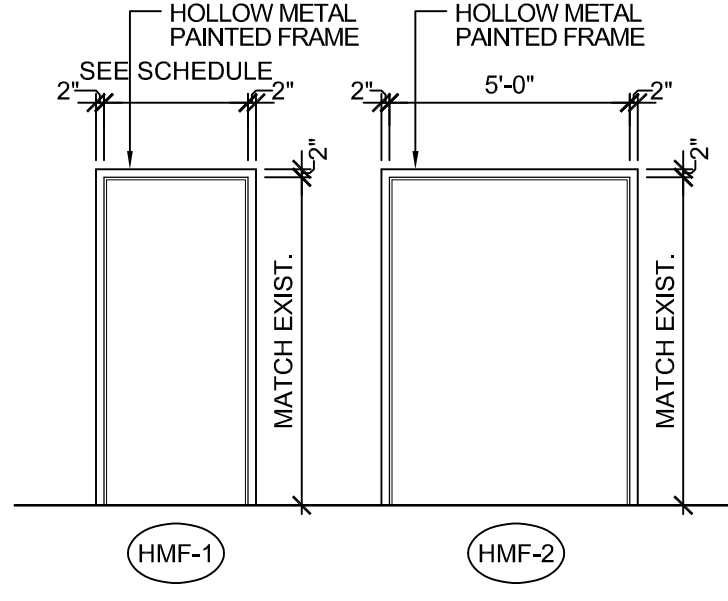
J3 Jamb Detail
 SCALE: 3"=1'-0"



H3 Head Detail
 SCALE: 3"=1'-0"



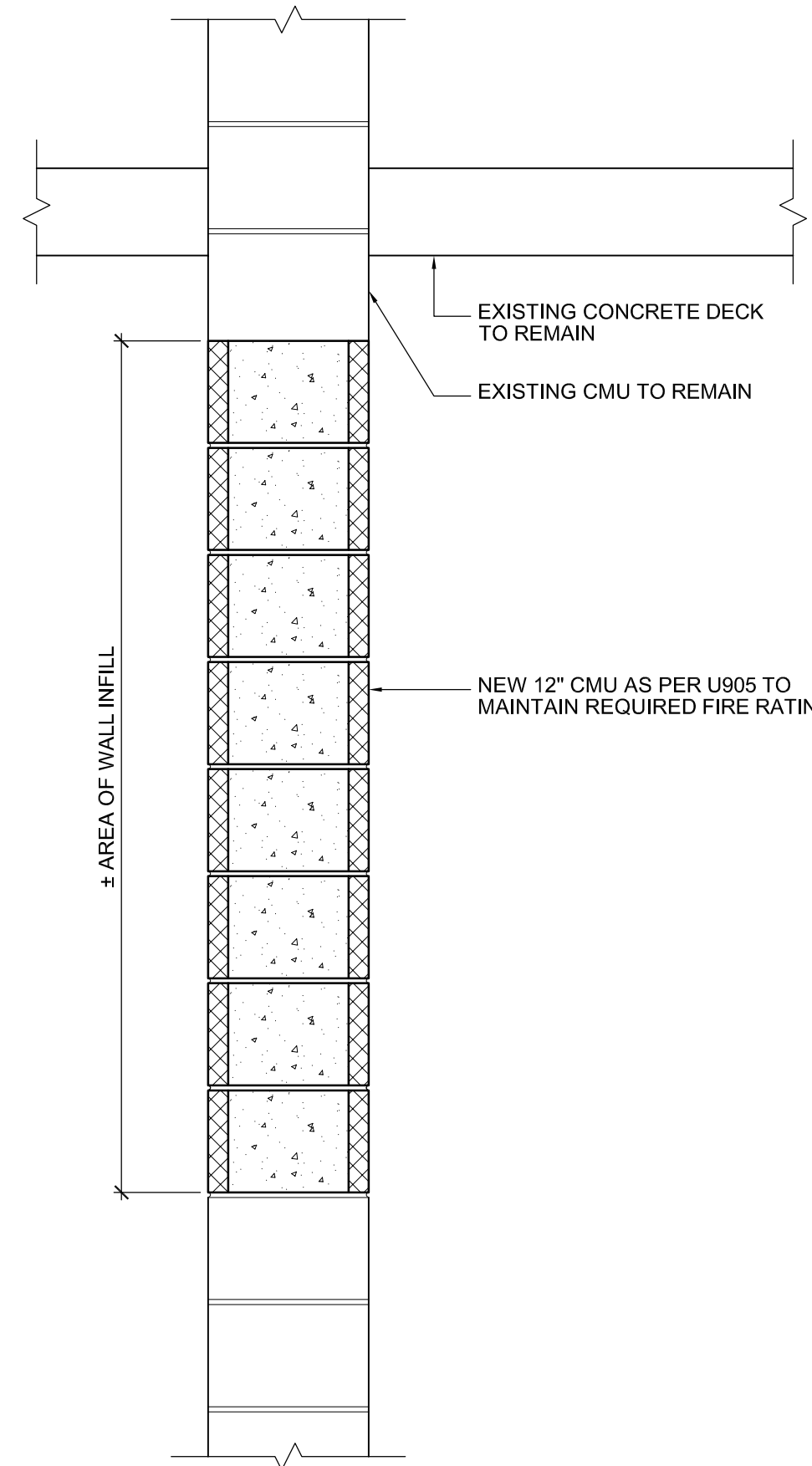
7 DOOR TYPES
 SCALE: 1/4" = 1'-0"



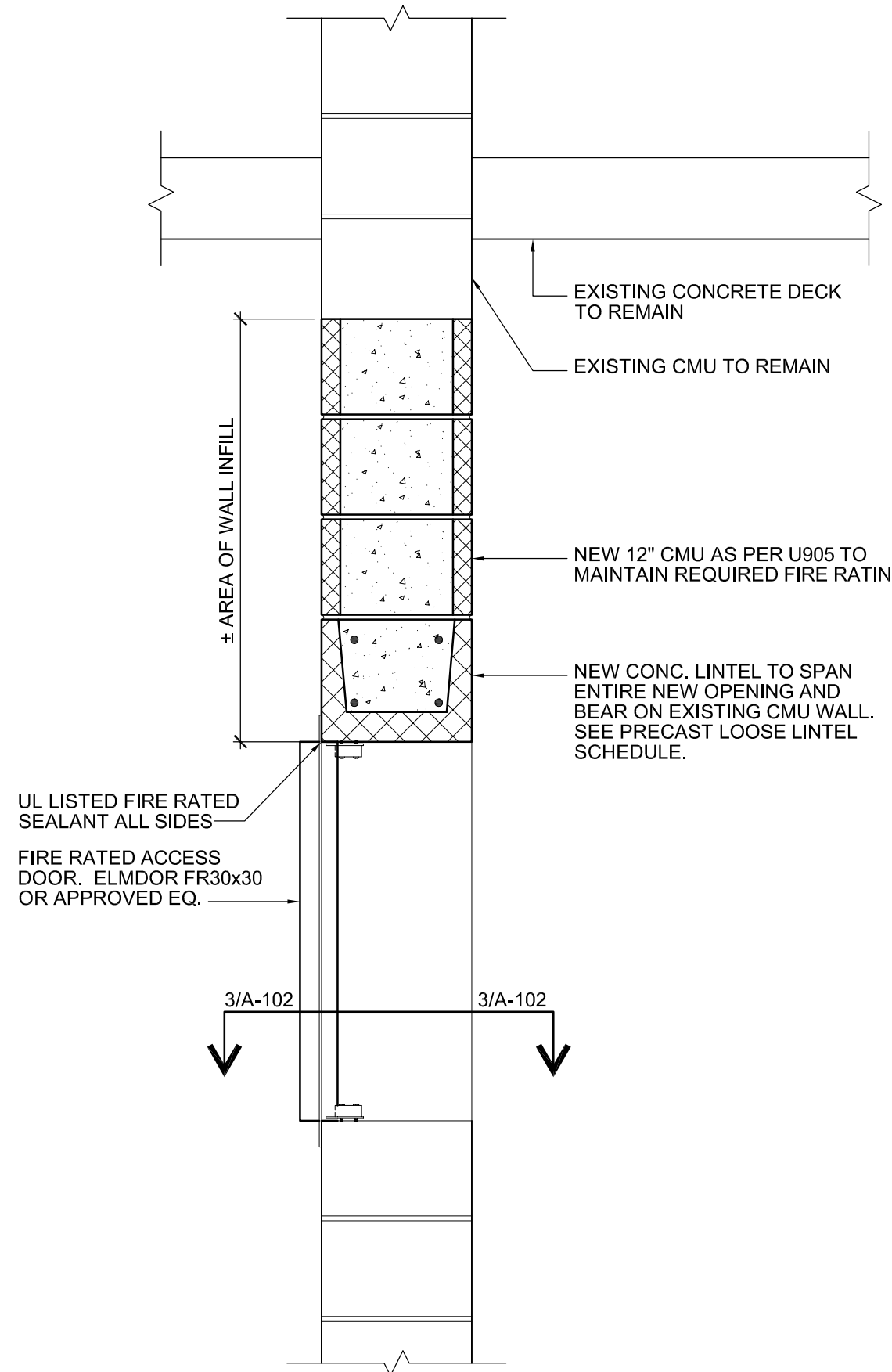
6 FRAME TYPES
 SCALE: 1/4" = 1'-0"



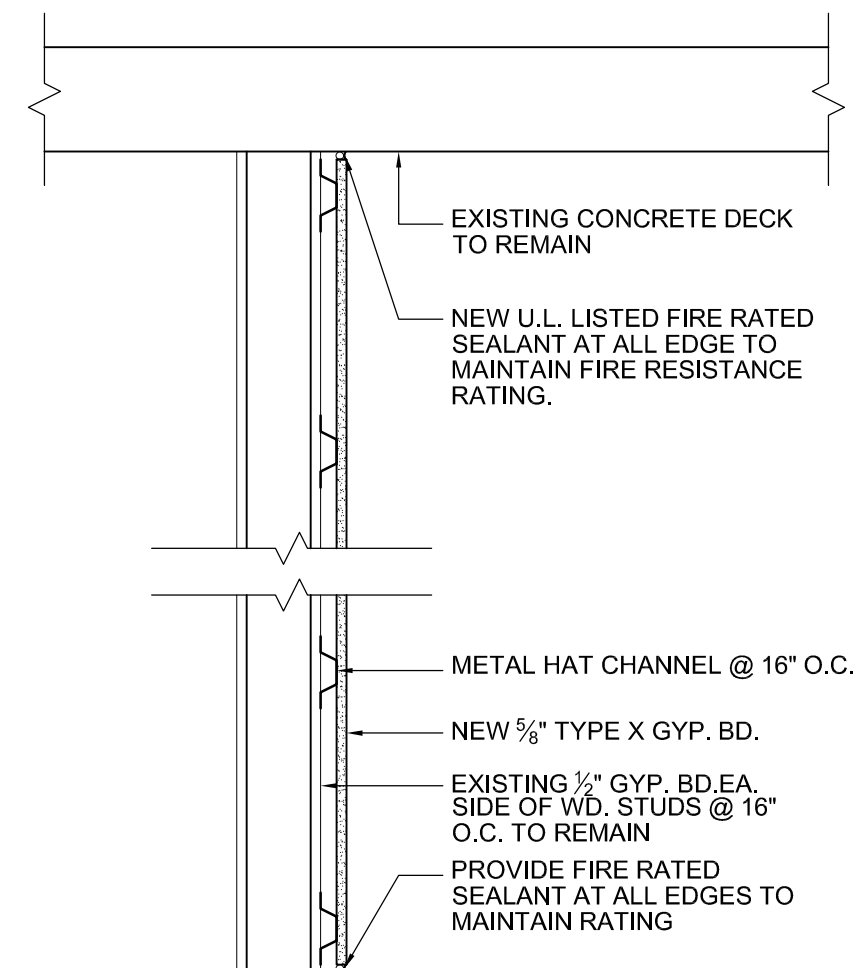
5 ACCESS DOOR SIGNAGE
 SCALE: N.T.S.
 BASIS OF DESIGN BY EMEDCO
 STYLE: 43428BBPLYALU
 SIZE: 10" H x 14" W
 ALUMINUM, NON-REFLECTIVE SELF ADHESIVE
 PROVIDE AND INSTALL (2)



3 WALL INFILL DETAIL
 SCALE: 1" = 1'-0"



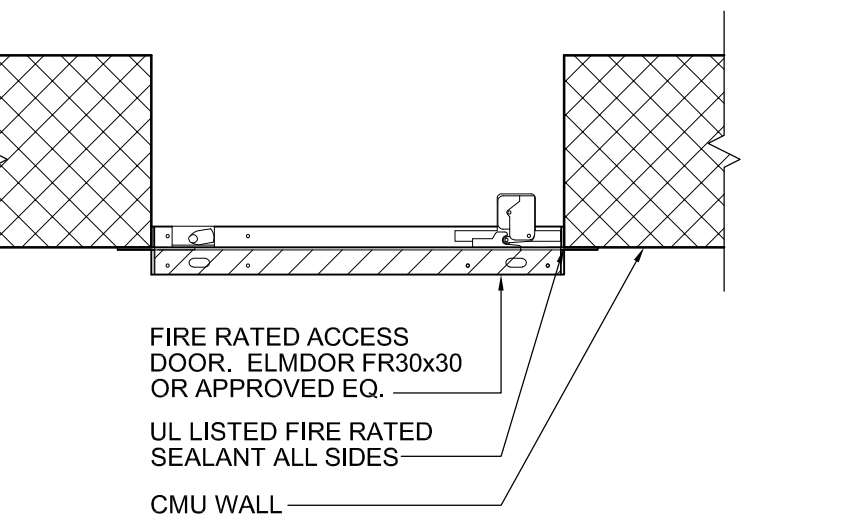
2 ACCESS PANEL DETAIL
 SCALE: 1" = 1'-0"



4 NEW WALL DETAIL
 SCALE: 1" = 1'-0"

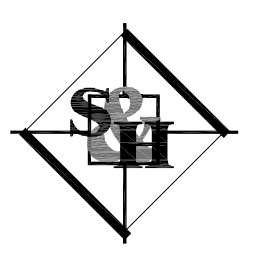
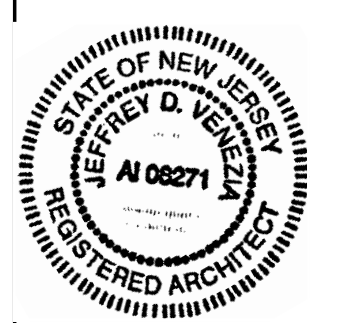
EXCLUDING THE 20 MIN. FIRE RATING ACHIEVED WITH THE EXISTING WOOD STUDS @ 16" O.C. PER IBC TABLE 722.6.2(2), THE EXISTING WALL ASSEMBLY WITH A NEW LAYER OF 5/8" TYPE X GYP. BD. ACHIEVES A FIRE RATING OF 70 MINS. THIS IS IN REFERENCE TO IBC TABLE 722.1.4(2).

A. FIRE-RESISTANCE 15 MIN. + 15 MIN. RATING OF THE EXISTING 5/8" GYP. BD. EA. SIDE OF WD. STUDS PLUS 40 MINS. OF ADDED 5/8" TYPE X GYP. BD. = 70 MINUTE FIRE RESISTANCE RATING.
 B. NOTE: IF EXISTING WALL CONSTRUCTION IS FOUND TO BE DIFFERENT THAN DESCRIBED INFORM THE ARCHITECT IMMEDIATELY.



1 PLAN DETAIL
 SCALE: 1" = 1'-0"

DI Group Architecture
 ARCHITECTURE FOR CHANGE
 15 Bethany Street • New Brunswick, NJ 08901 •
 T: 732.249.6242
 2450 W Hunting Park Ave., Bldg 9 • Philadelphia, PA 19129
 T: 215.634.3400
 Jeffrey D. Venezia, AIA
 NJ RA A1 00827100



SCHILLER AND HERSH ASSOCIATES, INC.
 Consulting M/E/P Engineers
 636 Skippack Pike P: 215.886.8947
 Suite 200 F: 215.886.8956
 Blue Bell, PA 19422 www.schillerhersh.com
 Certificate of Authorization: 24GA28014000
 SH JOB # 2566A

NO.	REVISION	DATE

BID/ PERMIT

BOILER PROJECT AT
 BOZORTH HALL & HAWTHORN HALL
 ROWAN UNIVERSITY
 MEMORIAL CIRCLE, GLASSBORO, NJ 08028

DETAILS

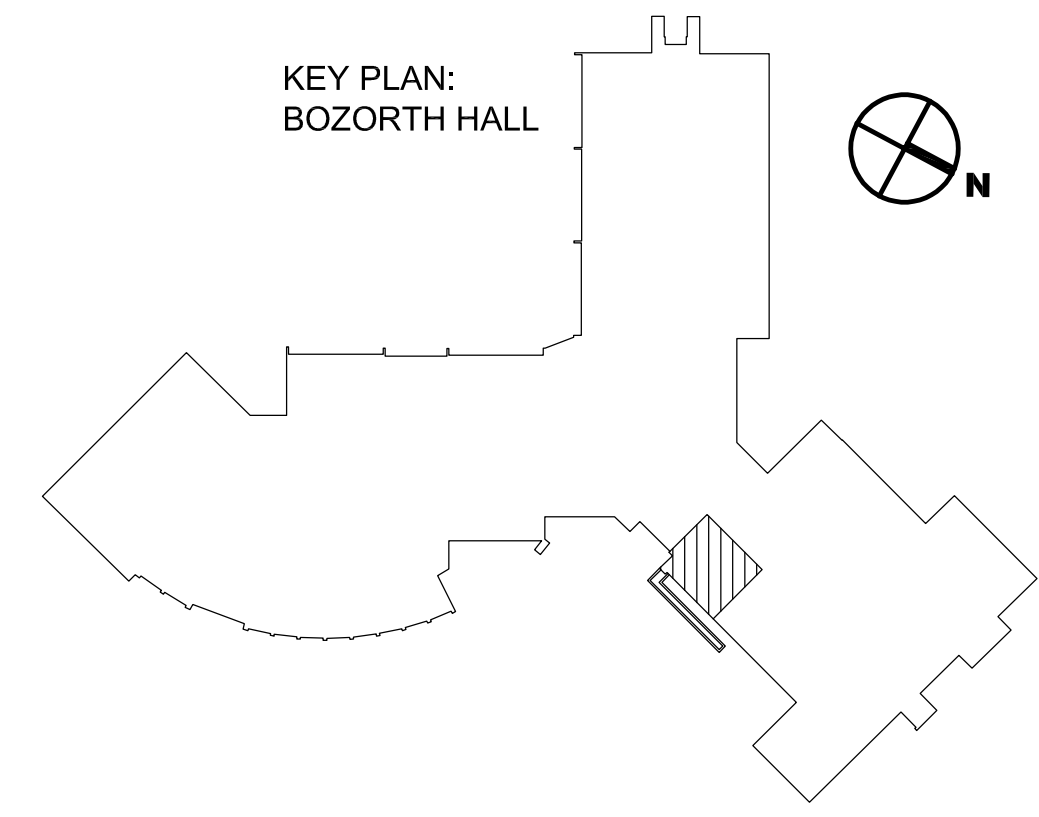
PROJECT NO.:	25.063
DRAWN BY:	KT
CHECKED BY:	KG
DATE:	03/06/2026
SCALE:	

DRAWING NO.:
A-003

THIS DRAWING IS FORMATTED TO BE PRINTED AT 36"x24"

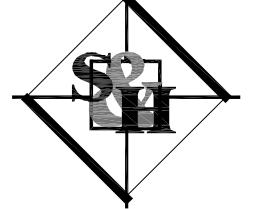


Department of Community Affairs
 Construction Project Review
 Project No: AC-045-26
 Partial Release
 BLDG INTERIOR
 Frank Felice
 Released: 4/1/2026
 N.J.S.A. 52:27D-119 ET SEQ., AS AMENDED



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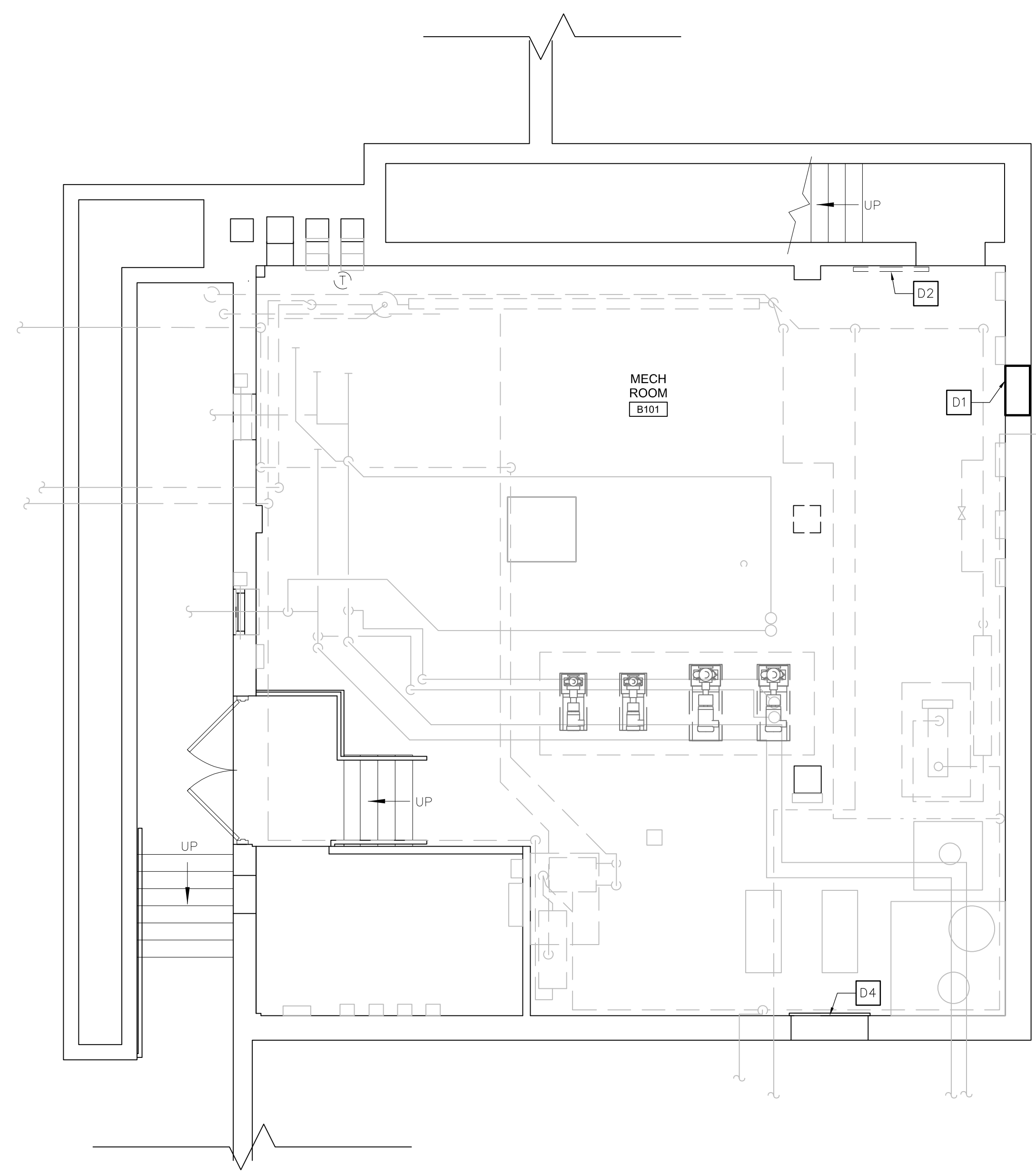
ISSUED FOR:
 BID/ PERMIT

BOILER PROJECT AT
 BOZORTH HALL & HAWTHORN HALL
 ROWAN UNIVERSITY
 MEMORIAL CIRCLE, GLASSBORO, NJ 08028

BOZORTH HALL DEMOLITION PLAN, NEW
 WORK PLAN AND SIGNAGE DETAILS

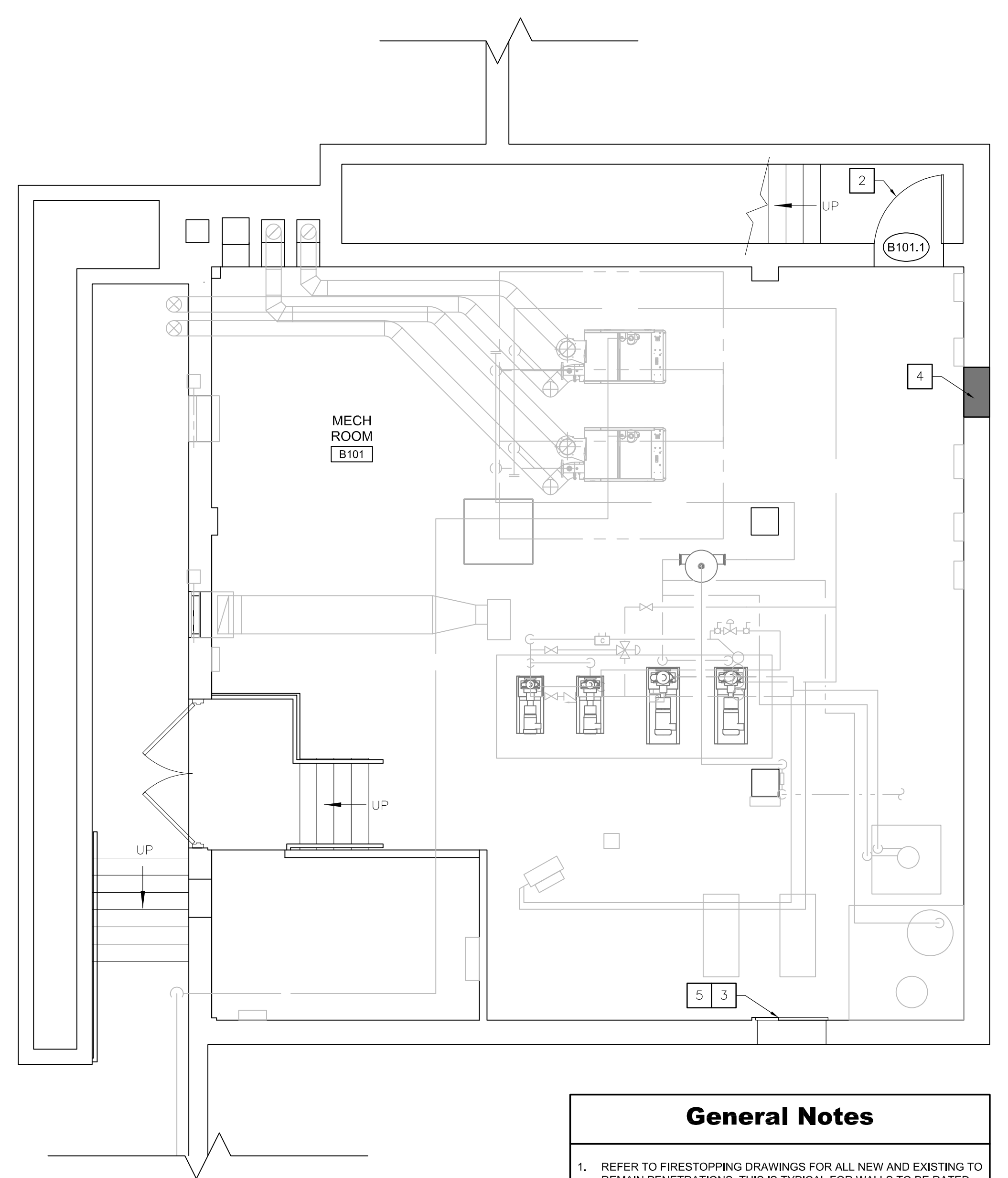
PROJECT NO.:	25.063
DRAWN BY:	KT
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SCALE:	

DRAWING NO.:
A-103



- Demolition Notes**
- D1 MODIFY EXISTING PENETRATION OPENING TO PROVIDE NEW RATED INFILL. REMOVE PORTION OF EXISTING WALL AROUND EXISTING WALL PENETRATION TO PROVIDE A CLEAN MASONRY DIMENSION AND PROPERLY DISPOSE REMOVED MATERIAL. SEE DEMOLITION INTERIOR ELEVATIONS FOR MORE INFORMATION.
 - D2 REMOVE EXISTING DOOR AND FRAME ASSEMBLY AND PROPERLY DISPOSE. PREPARE OPENING FOR NEW RATED FRAMES AND DOORS.
 - D3 REMOVE PORTION OF EXISTING WALL FOR NEW PENETRATIONS. COORDINATE LOCATIONS WITH MEP LOCATIONS.
 - D4 REMOVE EXISTING ACCESS DOOR ASSEMBLY/ FRAMED OPENING IN ITS ENTIRETY AND PROPERLY DISPOSE.
 - D5 REMOVE EXISTING DOOR SIGNAGE AND PROPERLY DISPOSE.
 - D6 EXISTING VENT OPENING TO REMAIN.
 - D7 EXISTING DUCT TO REMAIN AND BE PROTECTED.
 - D8 REMOVE BLOCK IN HATCHED AREA TO "TOOTH IN" NEW LINTEL.
 - D9 AREA OF MISSING BLOCK TO BE INFILLED. GC TO V.I.F. ALL LOCATIONS AND QUANTITIES.

- New Work Notes**
- 1 PROVIDE FIRE RATED INFILL AROUND EXISTING PENETRATIONS. REFER TO SPECIFICATION SECTION 078413 FOR APPROVED MATERIALS FOR INFILLING. GC TO V.I.F. ALL LOCATIONS AND QUANTITIES.
 - 2 FURNISH AND INSTALL NEW RATED DOOR, FRAME AND ACCESSORIES. SEE SPECIFICATIONS FOR BALANCE OF INFORMATION.
 - 3 FURNISH AND INSTALL NEW 30"x30" FIRE RATED ACCESS DOOR/ELMDOR FR30x30 OR EQUAL. SEE SPECIFICATIONS FOR BALANCE OF INFORMATION. FURNISH AND INSTALL ACCESS DOOR SIGNAGE AS PER 5/A-003.
 - 4 INFILL OPENING WITH CMU. SEE DETAILS ON A-003.
 - 5 NEW RATED WALL FURRING SEE DETAIL 4/A-003.
 - 6 FURNISH AND INSTALL NEW SIGNAGE ON ACCESS DOOR. SEE DETAIL 5/A-003.
 - 7 TOOTH IN NEW CONC. LINTEL ON BOTH SIDES OF INFILL OPENING
 - 8 EXISTING VENT OPENING TO REMAIN.
 - 9 HATCHED AREA TO BE INFILLED WITH CMU BLOCK. SEE SECTION DETAILS FOR BALANCE OF INFORMATION
 - 10 EXISTING DUCT TO REMAIN. SEE FIRESTOPPING DETAIL SHEETS FOR RATING INFORMATION.



- General Notes**
- 1. REFER TO FIRESTOPPING DRAWINGS FOR ALL NEW AND EXISTING TO REMAIN PENETRATIONS. THIS IS TYPICAL FOR WALLS TO BE RATED ON CS-002.
 - 2. ALL WALLS EXISTING/ NEW AND ALL DOORS/ FRAMES TO PAINTED. SEE FINISH SPECIFICATION ON SHEET A-101
 - 3. PROVIDE AND INSTALL SIGN FOR ALL DOORS SHOWN ON DOOR SCHEDULE. SEE SIGNAGE DETAIL ON A-103.

2 BOZORTH HALL
 BASEMENT DEMOLITION PLAN
 SCALE: 1/4" = 1'-0"

1 BOZORTH HALL
 BASEMENT NEW WORK PLAN
 SCALE: 1/4" = 1'-0"

THIS DRAWING IS FORMATTED TO BE PRINTED AT 36"x24"



**Department of Community Affairs
Construction Project Review**

Project No: AC-045-26

Partial Release

BLDG INTERIOR

Frank Felice

Released: 4/1/2026

N.J.S.A. 52:27D-119 ET SEQ., AS AMENDED

INFORMATION

TION: ALTERATIONS TO BOZORTH HALL
ROWAN UNIVERSITY
300 MEMORIAL CIRCLE
GLASSBORO, NJ 08028
BLOCK 3.03; LOT 387

R: ROWAN UNIVERSITY
201 MULICA HILL ROAD
GLASSBORO, NJ 08028

DI GROUP ARCHITECTURE
15 BETHANY STREET
NEW BRUNSWICK, NJ 08901
732-249-6242

WORK

: THE EXISTING CENTRAL-PLANT STEAM SYSTEMS TO HAWTHORN HALL/ BOZORTH HALL
ALL A LOCAL BOILER PLANT.

PROPOSED WORK (ALTERATION PER REHAB CODE)

NON-SPRINKLERED EXISTING BUILDING
INTERIOR ALTERATION :
BOZORTH BASEMENT : 1328 SF (APPROX. AREA OF EXISTING ROOM FOR NEW LOCAL BOILER
PLANT)

APPLICABLE CODES

CODE TYPE	APPLICABLE CODE
BUILDING	INTERNATIONAL BUILDING CODE 2021 (NEW JERSEY EDITION)
PLUMBING	NATIONAL STANDARD PLUMBING CODE 2021 (NEW JERSEY EDITION)
ELECTRICAL	NATIONAL ELECTRICAL CODE (NFPA 70) 2020
ENERGY	ENERGY SUBCODE ASHRAE 90.1-2019
MECHANICAL	INTERNATIONAL MECHANICAL CODE 2021
FUEL GAS	INTERNATIONAL FUEL GAS CODE 2021
REHAB	REHABILITATION SUBCODE (NJAC 5:23-6)
BARRIER FREE	BARRIER FREE SUBCODE ICC A117.1 2017
ELEVATOR	ELEVATOR SUBCODE (NJAC 5:23-12; CHAPTER 35 OF IBC/2021 NJ ED)

ENERGY CONSERVATION CODE: ASHRAE STANDARD 90.1-2019
BUILDING ENVELOPE REQUIREMENTS
GLOUCESTER COUNTY, NJ IS IN CLIMATE ZONE 4A

	REQUIRED	PROPOSED
	NON-RESIDENTIAL	
OPAQUE ELEMENTS	ASSEMBLY MAX. INSULATION MIN. R-VALUE	PROPOSED (EXISTING BUILDING)

ROOFS

INSULATION ENTIRELY ABOVE DECK	U-0.032	R-30 c.i.	EXISTING TO REMAIN
METAL BUILDING	U-0.037	R-19 + R-11 Ls or R-25 + R-8 Ls	
ATTIC AND OTHER	U-0.021	R-49	

WALLS AND ABOVE GRADE

MASS	U-0.104	R-9.5 c.i.	EXISTING TO REMAIN
METAL BUILDING	U-0.060	R-0 + R-15.8 c.i.	
STEEL-FRAMED	U-0.064	R-13+ R-7.5 c.i.	
WOOD FRAMED AND OTHER	U-0.064	R-13 + R-3.8 c.i. or R-20	

WALL, BELOW GRADE

BELOW GRADE WALL	U-0.119	R-7.5 c.i.	EXISTING TO REMAIN
FLOORS			
MASS	U-0.057	R-14.6 c.i.	EXISTING TO REMAIN
STEEL JOIST	U-0.038	R-30	
WOOD FRAMED AND OTHER	U-0.033	R-30	

SLAB-ON-GRADE FLOORS

UNHEATED	F-0.520	R-15 FOR 24 IN.	EXISTING TO REMAIN
HEATED	F-0.843 <td>R-20 FOR 24 IN. <td></td> </td>	R-20 FOR 24 IN. <td></td>	

OPAQUE DOORS

SWINGING	U-0.370		EXISTING TO REMAIN
NONSWINGING	U-0.310		

DEFINITIONS:
c.i. = CONTINUOUS INSULATION PER SECTION 3.2
Ls = LINER SYSTEM PER SECTION A2.3.2.4

INTERNATIONAL BUILDING CODE, NEW JERSEY EDITION, 2018

CHAPTER 3: OCCUPANCY CLASSIFICATION AND USE

NO CHANGE OF USE

B (BUSINESS)
BOILER ROOM IS AN INCIDENTAL USE AND ACCESSORY SPACE TO THE BUSINESS USE

FLOOR AREAS AND MAXIMUM DESIGN OCCUPANT LOADS

NO PROPOSED CHANGES TO THE EXISTING OCCUPANCY LOADS

CHAPTER 4: SPECIAL DETAILED REQUIREMENTS BAED ON OCCUPANCY AND USE

THIS CHAPTER IS NOT APPLICABLE TO THE PROPOSED SCOPE OF WORK

CHAPTER 5: GENERAL BUILDING HEIGHTS AND AREAS

NONSEPARATED USE GROUPS

THE MAXIMUM ALLOWABLE HEIGHT AND AREA DETERMINED BY APPLYING THE MORE RESTRICTIVE OF THE HEIGHT AND AREA LIMITATIONS OF EACH GROUP, AS PER TABLES 504.3, 504.4 AND 506.2 OF THE BUILDING SUBCODE. TO THE ENTIRE BUILDING DOES NOT APPLY TO THIS PROJECT BECAUSE THIS IS AN ALTERATION OF AN EXISTING SPACE IN AN EXISTING BUILDING.

TABLE 509.1 INCIDENTAL USES
ROOMS WITH BOILERS WHERE THE LARGEST PIECE OF EQUIPMENT IS OVER 15 PSI AND 10 HORSEPOWER REQUIRES 1 HOUR SEPARATION OR PROVIDE AUTOMATIC SPRINKLER SYSTEM PROTECTION.

CHAPTER 6: TYPES OF CONSTRUCTION

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS) TABLE 601

BUILDING ELEMENT	IBC TYPE 2B CONSTRUCTION
PRIMARY STRUCTURAL FRAME	0
BEARING WALLS EXTERIOR	0
BEARING WALLS INTERIOR	0
NONBEARING WALLS AND PARTITIONS EXTERIOR (WHERE FIRE SEPARATION DISTANCE > = 30'-0" AT THE NEAREST LOCATION TO THE PROPERTY LINE PER TABLE 602)	0
NONBEARING WALLS AND PARTITIONS INTERIOR	0
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND SECONDARY MEMBERS	0

CHAPTER 7: FIRE AND SMOKE PROTECTION FEATURES

SECTION 703.5 MARKING AND IDENTIFICATION
WHERE THERE IS AN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACE, FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN THE CONCEALED SPACE. SUCH IDENTIFICATION SHALL:

- BE LOCATED WITHIN 15 FEET (4572 MM) OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET (9144 MM) MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION.
- INCLUDE LETTERING NOT LESS THAN 3 INCHES (76 MM) IN HEIGHT WITH A MINIMUM 3/8-INCH (9.5 MM) STROKE IN A CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING, "FIRE AND/OR SMOKE BARRIER-PROTECT ALL OPENINGS," OR OTHER WORDING.

FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (NJBC TABLE 705.5)

FIRE SEPARATION DISTANCE	TYPE OF CONSTRUCTION	FIRE RESISTANCE RATINGS (HOURS)
X < 5	2B	2 HR (GROUP S-1); 1 HR (GROUPS A, B, S-2)
5 ≤ X < 10	2B	1 HR (GROUPS A, B, S-1, S-2)
10 ≤ X < 30	2B	0 HR (GROUPS A, B, S-1, S-2)
X ≥ 30	2B	0 HR (GROUPS A, B, S-1, S-2)

SECTION 707.3.7 INCIDENTAL USES THE FIRE BARRIER SEPARATING INCIDENTAL USES FROM OTHER SPACES IN THE BUILDING SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN THAT INDICATED IN TABLE 509.1.

DOORS MUST BE SMOKE AND DRAFT CONTROL DOORS (2021 NJBC 716.2.1.4 AND 716.2.2.1.1).

SECTION 714.4 FIRE-RESISTANCE-RATED WALLS. PENETRATIONS INTO OR THROUGH FIRE WALLS, FIRE BARRIERS, SMOKE BARRIER WALLS AND FIRE PARTITIONS SHALL COMPLY WITH SECTION 714.4.1 THROUGH 714.4.3. PENETRATIONS IN SMOKE BARRIER WALLS SHALL ALSO COMPLY WITH SECTION 714.5.4.

SECTION 714.4.1 THROUGH PENETRATIONS. THROUGH PENETRATIONS OF FIRE-RESISTANCE-RATED WALLS SHALL COMPLY WITH SECTION 714.4.1.1 OR 714.4.1.2.

EXCEPTION: WHERE THE PENETRATING ITEMS ARE STEEL, FERROUS OR COPPER PIPES, TUBES OR CONDUITS, THE ANNULAR SPACE BETWEEN THE PENETRATING ITEM AND THE FIRE-RESISTANCE-RATED WALL IS PERMITTED TO BE PROTECTED BY EITHER OF THE FOLLOWING MEASURES:

- IN CONCRETE OR MASONRY WALLS WHERE THE PENETRATING ITEM IS A MAXIMUM 6-INCH NOMINAL DIAMETER AND THE AREA OF THE OPENING THROUGH THE WALL DOES NOT EXCEED 144 SQUARE INCHES, CONCRETE, GROUT OR MORTAR IS PERMITTED WHERE INSTALLED THE FULL THICKNESS OF THE WALL OR THE THICKNESS REQUIRED TO MAINTAIN THE FIRE-RESISTANCE RATING.
- THE MATERIAL USED TO FILL THE ANNULAR SPACE SHALL PREVENT THE PASSAGE OF FLAME AND HOT GASES SUFFICIENT TO IGNITE COTTON WASTE WHEN SUBJECTED TO ASTM E199 OR UL 263 TIME-TEMPERATURE FIRE CONDITIONS UNDER A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH OF WATER AT THE LOCATION OF THE PENETRATION FOR THE TIME PERIOD EQUIVALENT TO THE FIRE-RESISTANCE RATING OF THE CONSTRUCTION PENETRATED.

SECTION 714.4.1.1 FIRE-RESISTANCE-RATED ASSEMBLIES. THROUGH PENETRATIONS SHALL BE PROTECTED USING SYSTEMS INSTALLED AS TESTED IN THE APPROVED FIRE-RESISTANCE-RATED ASSEMBLY.

SECTION 714.4.1.2 THROUGH-PENETRATION FIRESTOP SYSTEM. THROUGH PENETRATIONS SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E814 OR UL 1479, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.49 Pa) OF WATER AND SHALL HAVE AN F RATING OF NOT LESS THAN THE REQUIRED FIRE-RESISTANCE RATING OF THE WALL PENETRATED.

SECTION 715.1 FIRE-RESISTANT JOINT SYSTEMS; GENERAL. JOINTS INSTALLED IN OR BETWEEN FIRE-RESISTANCE-RATED WALLS, FLOOR OR FLOOR/CEILING ASSEMBLIES AND ROOFS OR ROOF/CEILING ASSEMBLIES SHALL BE PROTECTED BY AN APPROVED FIRE-RESISTANT JOINT SYSTEM DESIGNED TO RESIST THE PASSAGE OF FIRE FOR A TIME PERIOD NOT LESS THAN THE REQUIRED FIRE-RESISTANCE RATING OF THE WALL, FLOOR OR ROOF IN OR BETWEEN WHICH THE SYSTEM IS INSTALLED. FIRE-RESISTANT JOINT SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH SECTION 715.3 (FIRE TEST CRITERIA).

CHAPTER 8: INTERIOR FINISHES

SECTIONS 802 THROUGH 804.4.2 DOES NOT APPLY TO FLOOR FINISHES AND COVERINGS OF A TRADITIONAL TYPE, SUCH AS WOOD, VINYL, LINOLEUM OR TERRAZZO, AND RESILIENT FLOOR COVERING MATERIALS THAT ARE NOT COMPRISED OF FIBERS.

SECTION 803.1.2 INTERIOR WALL AND CEILING FINISH MATERIALS TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723
CLASS A: FLAME SPREAD 0-25
CLASS B: FLAME SPREAD 26-75
CLASS C: FLAME SPREAD 76-200
ALL: (NEW) SMOKE DEVELOPED 0-450

INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY (FOR A NONSPRINKLERED BUILDING) IBC NJ TABLE 803.13

USE GROUP	INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS (SEE NOTE A BELOW)	CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS	ROOMS AND ENCLOSED SPACES (SEE NOTE B BELOW)
A-3	CLASS A	CLASS A	CLASS C
B	CLASS A	CLASS B	CLASS C
S	CLASS B	CLASS B	CLASS C

NOTES:
A. CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED FOR WAINSCOTTING OR PANELING OF PARTITIONS, WHERE A FIRE-RESISTANCE RATING IS REQUIRED FOR STRUCTURAL ELEMENTS, THE ENCLOSING PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE CEILING. PARTITIONS THAT DO NOT COMPLY WITH THIS SHALL BE CONSIDERED TO BE ENCLOSING SPACES AND THE ROOMS OR SPACES ON BOTH SIDES SHALL BE CONSIDERED TO BE ONE ROOM OR SPACE. IN DETERMINING THE APPLICABLE REQUIREMENTS FOR ROOMS AND ENCLOSED SPACES, THE SPECIFIC OCCUPANCY THEREOF SHALL BE THE GOVERNING FACTOR REGARDLESS OF THE GROUP CLASSIFICATION OF THE BUILDING OR STRUCTURE.
SECTION 804.2. MINIMUM CRITICAL RADIANT FLUX.
CLASS I: CRITICAL RADIANT FLUX NOT LESS THAN 0.45 W/CM
CLASS II: CRITICAL RADIANT FLUX NOT LESS THAN 0.22W/CM OR GREATER.

SECTION 804.4.1 TEST REQUIREMENT: INTERIOR FLOOR COVERING MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE DOC F-1 "PILL TEST" (CSPC 16 CRF PART 1630) OR WITH ASTM D2859)

SECTION 804.4.2 MINIMUM CRITICAL RADIANT FLUX: IN ALL OCCUPANCIES, INTERIOR FLOOR FINISH AND FLOOR COVERING MATERIALS IN ENCLOSURES FOR STAIRWAYS AND RAMPS, EXIT PASSAGEWAYS, CORRIDORS AND ROOMS OR SPACES NOT SEPARATED FROM CORRIDORS BY PARTITIONS EXTENDING FROM THE FLOOR TO THE UNDERSIDE OF THE CEILING SHALL WITHSTAND A MINIMUM CRITICAL RADIANT FLUX NOT LESS THAN CLASS II IN GROUPS A, B, AND S.

REFER TO REHAB NOTES FROM 5:23-6.11 (c)

CHAPTER 9: FIRE PROTECTION AND LIFE SAFETY SYSTEMS

SECTION 905 STANDPIPE SYSTEMS. THE BUILDING SHALL BE PROVIDED WITH STANDPIPES IN ACCORDANCE WITH NFPA 14.

SECTION 906 PORTABLE FIRE EXTINGUISHERS. PORTABLE FIRE EXTINGUISHERS ARE REQUIRED. ONE 2-A RATED EXTINGUISHER WITH A MAXIMUM FLOOR AREA PER UNIT OF "A" TO BE 3000 SF. MAXIMUM FLOOR AREA EXTINGUISHER TO BE 11,250 SF. MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER TO BE 75'-0". REFER TO THE FLOOR PLANS FOR THE LOCATION OF THE EXTINGUISHERS. MAINTAIN ADA CLEARANCES (MAXIMUM 4" PROJECTION WHEN ON A WALL THAT IS OVER 27" ABOVE THE FINISHED FLOOR PER ANSI A117.1-2017 307). MAINTAIN THE FIRE RATING OF RATED WALLS WITH FIRE RATED CABINETS.

SECTION 907 FIRE ALARM AND DETECTION SYSTEMS.
SECTION 907.2.2 GROUP B:
A MANUAL FIRE ALARM SYSTEM, WHICH ACTIVATES THE OCCUPANT NOTIFICATION SYSTEM IN ACCORDANCE WITH SECTION 907.5, SHALL BE INSTALLED IN GROUP B OCCUPANCIES WHERE ONE OF THE FOLLOWING CONDITIONS EXISTS:

- THE COMBINED GROUP B OCCUPANT LOAD OF ALL FLOORS IS 500 OR MORE.
- THE GROUP B OCCUPANT LOAD IS MORE THAN 100 PERSONS ABOVE OR BELOW THE LOWEST LEVEL OF EXIT DISCHARGE.

CHAPTER 10: MEANS OF EGRESS

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT TABLE 1004.5

FUNCTION OF SPACE	OCCUPANT LOAD FACTOR
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS S.F.
BUSINESS AREAS	150 GROSS S.F.

REFER TO TABLE 1 OF NJ REHAB CODE 5:23-6.11
THE REHAB CODE FOR THE CAPACITY PER UNIT EGRESS WIDTH

SECTION 1005.7.1 ENCROACHMENT DOORS. DOORS, WHEN FULLY OPENED, SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 7 INCHES. DOORS IN ANY POSITION SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN ONE-HALF.

SPACERS WITH ON EXIT OR EXIT ACCESS DOORWAY TABLE 1006.2.1

USE GROUP	MAXIMUM OCCUPANT LOAD OF SPACE	MAXIMUM EXIT ACCESS TRAVEL DISTANCE (FEET)	
		WITHOUT SPRINKLER SYSTEM (FEET)	
		OCCUPANT LOAD	
		OL LESS THAN OR EQUAL 30	OL GREATER THAN 30
B	49	100	75

SECTION 1007.1.1 TWO EXITS OR EXIT ACCESS DOORWAYS. EACH FLOOR MUST MEET THE EXIT REMOTEISS REQUIREMENT OF ONE HALF OF THE DIAGONAL MEASUREMENT OF THE SPACE.

SECTION 1009.1 ACCESSIBLE MEANS OF EGRESS. MINIMUM OF ONE IS REQUIRED. (THIS BUILDING HAS ONE ELEVATOR ACCESSIBLE FROM THE ELEVATOR LOBBY).

SECTION 1009.3.3 AREA OF REFUGE.
THE EXISTING BUILDING DOES NOT HAVE AN AREA OF REFUGE AS AN EXISTING BUILDING CONDITION. IT WILL REMAIN IN THIS STATE PER REHAB CODE 5:23-6.2 (f) "PRE-EXISTING BUILDINGS."

SECTION 1009.6.1 TRAVEL DISTANCE. TO COMPLY WITH SECTION 1017.1 (TABLE 1017.2 SHOWS THAT MAXIMUM EXIT ACCESS TRAVEL DISTANCE WITHOUT A SPRINKLER SYSTEM FOR THE A, B, S-1 USES IN THIS BUILDING IS 200 FT. MORE RESTRICTIVE THAN THE S-2 USE THAT ALLOWS AN ACCESS TRAVEL DISTANCE OF 300 FT. (REFER TO THE REHAB CODE)

SECTION 1009.10 DIRECTIONAL SIGNAGE. DIRECTIONAL SIGNAGE INDICATING THE LOCATION OF ALL OTHER MEANS OF EGRESS AND WHICH OF THOSE ARE ACCESSIBLE MEANS OF EGRESS SHALL BE PROVIDED AT THE FOLLOWING:

- AT EXIT SERVING A REQUIRED ACCESSIBLE SPACE BUT NOT PROVIDING AN APPROVED ACCESSIBLE MEANS OF EGRESS.

SECTION 1010.1.2.1 DOOR SWING. ALL EXIT DOORS SERVING MORE THAN 50 OCCUPANTS MUST SWING IN THE DIRECTION OF EGRESS TRAVEL.

TABLE 1017.2 MAXIMUM EXIT ACCESS TRAVEL DISTANCE
GROUPS B, 200 FEET

TABLE 1020.3 MINIMUM CORRIDOR WIDTH
ACCESS TO AND UTILIZATION OF MECHANICAL, PLUMBING OR ELECTRICAL SYSTEMS OR EQUIPMENT = 24" WIDE
WITH AN OCCUPANT LOAD OF LESS THAN 50 = 36" WIDE
ALL OTHER FACILITY NOT MENTIONED ABOVE = 44" WIDE.

SECTION 1020.5 DEAD ENDS. (REFER TO THE REHAB CODE)

CHAPTER 11: ACCESSIBILITY

SECTION 1103.2.9 EQUIPMENT SPACES
SPACES FREQUENTLY ONLY BY SERVICE PERSONNEL FOR MAINTENANCE, REPAIR OR OCCASIONAL MONITORING OF EQUIPMENT ARE NOT REQUIRED TO COMPLY WITH THIS CHAPTER.

CHAPTER 30: ELEVATORS AND CONVEYING SYSTEMS

EXISTING ELEVATOR TO REMAIN AND IS NOT PART OF THE PROJECT'S SCOPE OF WORK

SECTION 3005.4 MACHINE ROOMS, CONTROL ROOMS, MACHINERY SPACES, AND CONTROL SPACES THE FIRE-RESISTANCE RATING SHALL BE NOT LESS THAN THE REQUIRED RATING OF THE HOISTWAY ENCLOSURE SERVED BY THE MACHINERY. OPENINGS IN THE FIRE BARRIERS SHALL BE PROTECTED WITH ASSEMBLIES HAVING A FIRE PROTECTION RATING NOT LESS THAN THAT REQUIRED FOR THE HOISTWAY ENCLOSURE DOORS.
EXCEPTIONS:

- FOR OTHER THAN FIRE SERVICE ACCESS ELEVATORS AND OCCUPANT EVACUATION ELEVATORS, WHERE MACHINE ROOMS, MACHINERY SPACES, CONTROL ROOMS AND CONTROL SPACES DO NOT ABUT AND DO NOT HAVE OPENINGS TO THE HOISTWAY ENCLOSURE THEY SERVE, THE FIRE BARRIERS CONSTRUCTED IN ACCORDANCE WITH SECTION 707 OR HORIZONTAL ASSEMBLIES CONSTRUCTED IN ACCORDANCE WITH SECTION 711, OR BOTH, SHALL BE PERMITTED TO BE REDUCED TO A 1-HOUR FIRE-RESISTANCE RATING.
- FOR OTHER THAN FIRE SERVICE ACCESS ELEVATORS AND OCCUPANT EVACUATION ELEVATORS, IN BUILDINGS FOUR STORIES OR LESS ABOVE GRADE PLANE WHERE MACHINE ROOM, MACHINERY SPACES, CONTROL ROOMS AND CONTROL SPACES DO NOT ABUT AND DO NOT HAVE OPENINGS TO THE HOISTWAY ENCLOSURE THEY SERVE, THE MACHINE ROOM, MACHINERY SPACES, CONTROL ROOMS AND CONTROL SPACES ARE NOT REQUIRED TO BE FIRE-RESISTANCE RATED.

NEW JERSEY UCC REHABILITATION SUBCODE (NJAC 5:23-6)

§5:23-6.3 DEFINITIONS

"ALTERATION" MEANS THE REARRANGEMENT OF ANY SPACE BY THE CONSTRUCTION OF WALLS OR PARTITIONS OR BY A CHANGE IN CEILING HEIGHT, THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE EXTENSION OR REARRANGEMENT OF ANY SYSTEM, THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT OR FIXTURES AND ANY WORK WHICH REDUCES THE LOAD BEARING CAPACITY OF OR WHICH IMPOSES ADDITIONAL LOADS ON A PRIMARY STRUCTURAL COMPONENT.

§5:23-6.6 ALTERATIONS

(a) ALTERATIONS, AS DEFINED IN N.J.A.C. 5:23-6.3, SHALL COMPLY WITH THE REQUIREMENTS OF THIS SECTION.

(b) ALL WORK SHALL BE DONE IN A WORKMANLIKE MANNER.

(c) 2. FIRE PROTECTION SYSTEM REMOVAL: ANY FIRE PROTECTION SYSTEM PROVIDING PARTIAL OR REDUNDANT PROTECTION ORIGINALLY INSTALLED TO PROTECT A SPECIAL HAZARD THAT NO LONGER EXISTS AND THAT IS NOT REQUIRED IN ACCORDANCE WITH THE CURRENT UNIFORM CONSTRUCTION CODE, IS ALLOWED TO BE REMOVED WITH THE WRITTEN APPROVAL OF THE FIRE SUBCODE OFFICIAL AND FIRE OFFICIAL. ALL DISCONNECTED EQUIPMENT AND DEVICES, SUCH AS PULL STATIONS, NOZZLES, DETECTORS, SPRINKLERS, SENSORS, PANELS AND HOSE CONNECTIONS, SHALL BE REMOVED SO AS NOT TO GIVE A FALSE INDICATION THAT THE STRUCTURE, AREA OR SPACE IS PROTECTED. (FIRE)

(c) 3. NO WORK SHALL BE UNDERTAKEN THAT DIMINISHES ACCESSIBILITY BELOW THAT WHICH IS REQUIRED BY CHAPTER 11 OF THE BUILDING SUBCODE. (BUILDING)

(c) 4. CONSTRUCTION MATERIALS USED AS PART OF AN ALTERATION PROJECT SHALL BE CONSISTENT WITH THE EXISTING CONSTRUCTION TYPE OR THE ALLOWABLE CONSTRUCTION TYPE, WHICHEVER IS LESS RESTRICTIVE. (PLAN REVIEW - BUILDING, FIRE INSPECTION - BUILDING)

(e) 8. WHERE A FIREPROOFING MATERIAL IS REMOVED THAT IS INTEGRAL TO THE RATING OF AN EXISTING FIRE-RATED ASSEMBLY, THE MATERIAL SHALL BE REPLACED SO THAT THE RATING IS PRESERVED. (BUILDING).

(e) 17. WHEN THE WORK BEING PERFORMED EXPOSES WOOD FRAMING OF ANY WALL, FLOOR, CEILING, OR ROOF, FIREBLOCKING SHALL BE PROVIDED AS REQUIRED BY SECTION 718.2 OF THE BUILDING SUBCODE ... THE FIREBLOCKING MATERIAL SHALL COMPLY WITH SECTION 718.2.1 OF THE BUILDING SUBCODE ... AS APPLICABLE.

(e) 20. DUCTS THAT ARE NEWLY INSTALLED OR REPLACED SHALL BE INSTALLED WITH INSULATION MEETING THE R-VALUES OF ... SECTION 6.4.4.1.2 OF THE COMMERCIAL ENERGY CODE, AS APPLICABLE.

(e) 24. THE WORK SHALL NOT CAUSE AN EXIT ENCLOSURE TO BE USED FOR ANY PURPOSE OTHER THAN MEANS OF EGRESS, EXCEPT THOSE PENETRATIONS PERMITTED BY SECTION 1023.5 OF THE BUILDING SUBCODE.

(h) THE WORK SHALL NOT MAKE THE BUILDING LESS CONFORMING WITH THE BASIC REQUIREMENTS OF THIS SUBCHAPTER THAN IT WAS WHEN THE ALTERATION WAS UNDERTAKEN.

- WHERE THE BUILDING CURRENTLY EXCEEDS THE BASIC REQUIREMENTS, THE EXTENT TO WHICH IT EXCEEDS SHALL NOT BE REDUCED UNLESS THE BUILDING ALSO EXCEEDS THE REQUIREMENTS OF THE CORRESPONDING SUBCODE OF THE UCC. IN THIS CASE, THE EXTENT OF COMPLIANCE WITH THE BASIC REQUIREMENTS MAY BE REDUCED, BUT NOT BELOW THE REQUIREMENTS OF THE CORRESPONDING SUBCODE OF THE UCC.
- WHERE THE SCOPE OF WORK CONSISTS OF AN ITEM FOR WHICH REQUIREMENTS ARE ESTABLISHED IN THE BASIC REQUIREMENTS OF THIS SUBCODE, THE WORK SHALL COMPLY WITH THE BASIC REQUIREMENTS.

(i) 2. NEWLY INSTALLED AND REPLACEMENT HANDRAILS AND GUARDRAILS SHALL COMPLY WITH SECTIONS 1011.11, 1012.8, 1014, AND 1015 OF THE BUILDING SUBCODE, RESPECTIVELY, ... AS APPLICABLE. WHERE 50 PERCENT OR MORE OF A HANDRAIL OR GUARDRAIL ON A FLIGHT OR ON A LEVEL IS REPLACED, THEN THIS SHALL BE CONSIDERED A COMPLETE REPLACEMENT AND SHALL COMPLY WITH THE ABOVE REFERENCED SECTIONS. THE REPAIR OR REPLACEMENT OF LESS THAN 50 PERCENT OF A HANDRAIL OR GUARDRAIL SHALL BE PERMITTED TO MATCH THE EXISTING HANDRAIL OR GUARDRAIL. (BUILDING)

(j) ALL NEW BUILDING ELEMENTS, AS LISTED IN N.J.A.C. 5:23-6.9, SHALL COMPLY WITH THE REQUIREMENTS OF THAT SECTION.

DI Group Architecture
ARCHITECTURE FOR CHANGE

15 Bethany Street • New Brunswick, NJ 08901 •
T: 732.249.6242
2450 W Hunting Park Ave., Bldg 9 • Philadelphia, PA 19129
T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100

STATE OF NEW JERSEY
JEFFREY D. VENETIA
AI 008271
REGISTERED ARCHITECT

SCHILLER AND HERSH ASSOCIATES, INC.
Consulting MEP Engineers

636 Skippack Pike
Suite 200
Blue Bell, PA 19422
www.schillerhersh.com
P: 215.686.8947
F: 215.686.8956
Certificate of Authorization: 24GA28014000
SH_JOB # 2566A

NO. **REVISION** **DATE**

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**BOILER PROJECT AT
BOZORTH HALL & HAWTHORN HALL
ROWAN UNIVERSITY
MEMORIAL CIRCLE, GLASSBORO, NJ 08028**

CODE ANALYSIS

PROJECT NO.: 25.063

DRAWN BY: KT

CHECKED BY: KG

DATE: 03/06/2026

SCALE:

DRAWING NO.:

CA-001

THIS DRAWING IS FORWARDED TO BE PRINTED AT 36"x48"



**Department of Community Affairs
Construction Project Review**

Project No: AC-045-26

Partial Release

BLDG INTERIOR

Frank Felice

Released: 4/1/2026

N.J.S.A. 52:27D-119 ET SEQ., AS AMENDED

LESS DOORWAYS SHALL BE REQUIRED FOR ALL ROOMS OTHER THAN 50 OR IN WHICH THE TRAVEL DISTANCE FROM AN OCCUPANT LOAD GREATER THAN 50 SHALL EXCEED

ROOM OCCUPANT LOAD OF 10 SHALL NOT BE REQUIRED TO EXCEED 20 FEET. (BUILDING, FIRE, INSPECTION--BUILDING) MEANS OF EGRESS IN EACH WORK AREA SHALL BE PROVIDED IN ACCORDANCE WITH N.J.A.C. 5:23-6.11(B). (PLAN REVIEW--BUILDING, FIRE, INSPECTION--BUILDING)

CORRIDORS SHALL NOT EXCEED 35 FEET IN LENGTH. MEANS OF EGRESS LIGHTING SHALL BE CONNECTED TO THE MAIN ELECTRICAL PANEL. MEANS OF EGRESS LIGHTING SHALL BE CONNECTED TO THE MAIN ELECTRICAL PANEL. MEANS OF EGRESS LIGHTING SHALL BE CONNECTED TO THE MAIN ELECTRICAL PANEL. MEANS OF EGRESS LIGHTING SHALL BE CONNECTED TO THE MAIN ELECTRICAL PANEL.

- RED OR GREEN LETTERS AT LEAST SIX INCHES HIGH; MINIMUM WIDTH OF EACH STROKE 3/4 INCH ON A WHITE BACKGROUND OR IN OTHER APPROVED DISTINGUISHABLE COLORS. ARROWS, IF PROVIDED, SHALL BE SUCH THAT THE DIRECTION CANNOT READILY BE CHANGED. THE WORD "EXIT" SHALL BE CLEARLY DISCERNIBLE WHEN THE SIGN IS NOT ENERGIZED.
- EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES WHEN THE BUILDING IS OCCUPIED BY A SOURCE PROVIDING AT LEAST FIVE FOOT CANDLES AT THE ILLUMINATED SURFACE OR SHALL BE APPROVED SELF-ILLUMINOUS SIGNS WHICH PROVIDE EVENLY ILLUMINATED LETTERS WITH A MINIMUM LUMINANCE OF 0.06 FOOT LAMBERTS. EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM CONFORMING TO NFPA 70 (NEC) EXCEPT THAT CONTINUED ILLUMINATION SHALL BE REQUIRED TO BE PROVIDED FOR NOT LESS THAN ONE HOUR IN THE CASE OF PRIMARY POWER LOSS. NO EMERGENCY POWER SHALL BE REQUIRED FOR APPROVED SELF-ILLUMINOUS SIGNS. (PLAN REVIEW--BUILDING, FIRE, INSPECTION--BUILDING)

- (g) HANDRAILS: EVERY REQUIRED EXIT STAIRWAY HAVING THREE OR MORE RISERS AND NOT PROVIDED WITH HANDRAILS OR IN WHICH THE EXISTING HANDRAILS ARE IN DANGER OF COLLAPSING WHEN USED UNDER EMERGENCY EXITING CONDITIONS, SHALL BE PROVIDED WITH HANDRAILS FOR THE FULL LENGTH OF THE RUN OF STEPS ON AT LEAST ONE SIDE. ALL EXIT STAIRWAYS MORE THAN 66 INCHES WIDE SHALL HAVE HANDRAILS ON BOTH SIDES UNLESS THE FULL WIDTH OF THE STAIRWAY IS NOT NEEDED TO ACCOMMODATE THE DESIGN OCCUPANCY. (PLAN REVIEW--BUILDING, FIRE, INSPECTION--BUILDING)
- (h) GUARDS: EVERY OPEN PORTION OF A STAIR, LANDING OR BALCONY WHICH IS MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW AND IS NOT PROVIDED WITH GUARDS OR THOSE IN WHICH THE EXISTING GUARDS ARE IN DANGER OF COLLAPSING WHEN USED UNDER EMERGENCY EXITING CONDITIONS, SHALL BE PROVIDED WITH GUARDS. (PLAN REVIEW--BUILDING, FIRE, INSPECTION--BUILDING)

- (i) VERTICAL OPENING PROTECTION: VERTICAL OPENING PROTECTION FOR INTERIOR STAIRWAYS AND OTHER VERTICAL OPENINGS SHALL BE PROVIDED AS FOLLOWS:
- FOR VERTICAL OPENINGS CONNECTING MORE THAN SIX FLOOR LEVELS, APPROVED ASSEMBLIES HAVING A FIRE RESISTANCE RATING OF NOT LESS THAN TWO HOURS WITH APPROVED OPENING PROTECTIVES SHALL BE REQUIRED.
 - FOR VERTICAL OPENINGS CONNECTING FOUR TO SIX FLOOR LEVELS, APPROVED ASSEMBLIES HAVING A FIRE RESISTANCE RATING OF NOT LESS THAN ONE HOUR WITH APPROVED OPENING PROTECTIVES SHALL BE REQUIRED.
 - FOR VERTICAL OPENINGS NOT EXCEEDING THREE STORIES, A MINIMUM 30-MINUTE UFC FIRE BARRIER SHALL BE REQUIRED, WITH THE FOLLOWING EXCEPTION:

- i. NO VERTICAL OPENING PROTECTION SHALL BE REQUIRED FOR VERTICAL OPENINGS OF UP TO THREE STORIES IN BUILDINGS NOT EXCEEDING 3,000 SQUARE FEET PER FLOOR OR IN BUILDINGS WITH AN AUTOMATIC SPRINKLER SYSTEM THROUGHOUT. (PLAN REVIEW--BUILDING, FIRE, INSPECTION--BUILDING)
- (j) STRUCTURAL ELEMENTS: STRUCTURAL ELEMENTS WHICH ARE UNCOVERED DURING THE COURSE OF THE REHABILITATION AND WHICH ARE FOUND TO BE UNSOUND OR OTHERWISE STRUCTURALLY DEFICIENT, SHALL BE REINFORCED, SUPPORTED OR OTHERWISE STRENGTHENED IN ACCORDANCE WITH THE APPLICABLE STRUCTURAL DESIGN CRITERIA OF THE BUILDING SUBCODE. WHERE STRUCTURAL ELEMENTS ARE SOUND, THERE IS NO EXCESSIVE DEFLECTION (DEFINED AS DEFLECTION IN EXCESS OF THE STANDARDS SET FORTH IN N.J.A.C. 5:23-6.7(C)1), AND FIXED LOADS ARE NOT CHANGING IN A WAY THAT WILL INCREASE THE STRESSES ON EXISTING STRUCTURES BEYOND THAT WHICH IS PERMITTED BY N.J.A.C. 5:23-6.7(C), EXISTING STRUCTURAL ELEMENTS SHALL BE PERMITTED TO REMAIN. (BUILDING)
- (k) PLUMBING FIXTURES: (NOT IN THE SCOPE OF THIS PROJECT)

- (l) MECHANICAL REQUIREMENTS: ALL SPACES INTENDED FOR OCCUPANCY SHALL BE PROVIDED WITH EITHER NATURAL OR MECHANICAL VENTILATION.
- SPACES INTENDED TO BE NATURALLY VENTILATED SHALL BE PROVIDED WITH OPENABLE DOORS, WINDOWS, LOUVERS, OR OTHER OPENINGS TO THE OUTDOORS. THE MINIMUM OPENABLE AREA TO THE OUTDOORS SHALL BE FOUR PERCENT OF THE FLOOR AREA BEING VENTILATED. WHERE ROOMS WITHOUT OPENINGS TO THE OUTDOORS ARE VENTILATED THROUGH AN ADJOINING ROOM, THE UNOBSTRUCTED OPENING TO THE ADJOINING ROOM SHALL BE AT LEAST EIGHT PERCENT OF THE FLOOR AREA OF THE INTERIOR ROOM OR SPACE, BUT NOT LESS THAN 25 SQUARE FEET. THE VENTILATION OPENINGS TO THE OUTDOORS SHALL BE BASED ON THE TOTAL FLOOR AREA BEING VENTILATED.
 - MECHANICALLY-VENTILATED SPACES SHALL COMPLY WITH THE FOLLOWING:
 - NEWLY-INSTALLED HVAC SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF THE MECHANICAL SUBCODE.
 - EXISTING SYSTEMS THAT ARE ALTERED OR EXTENDED SHALL NOT REDUCE THE AMOUNT OF OUTSIDE AIR BELOW THE EXISTING RATE PER PERSON OR THE RATE INCLUDED IN THE MECHANICAL SUBCODE, WHICHEVER IS LOWER. AS A MINIMUM, MECHANICALLY-VENTILATED SPACES SHALL BE PROVIDED WITH FIVE CFM PER PERSON OF OUTDOOR AIR AND 15 CFM OF VENTILATION AIR PER PERSON.
 - ALL NEWLY-INTRODUCED DEVICES, EQUIPMENT OR OPERATIONS THAT PRODUCE AIRBORNE PARTICULATES, ODORS, FUMES, SPRAYS, VAPORS, SMOKE OR GASES IN SUCH QUANTITIES TO BE IRRITATING OR INJURIOUS TO HEALTH SHALL BE PROVIDED WITH LOCAL EXHAUST. (BUILDING)
- (m) INTERIOR FINISHES SHALL COMPLY WITH N.J.A.C. 5:23-6.11(C). (PLAN REVIEW--BUILDING, FIRE, INSPECTION--BUILDING)
- (n) SPECIFIC OCCUPANCY AREAS: SPECIFIC OCCUPANCY AREAS WITHIN THE WORK AREA, AS LISTED IN N.J.A.C. 5:23-6.30(H), SHALL COMPLY WITH THE REQUIREMENTS ESTABLISHED IN THAT SECTION FOR SEPARATION AND/OR PROTECTION. (BUILDING)

NEW JERSEY UCC REHABILITATION SUBCODE (NJAC 5:23-6)

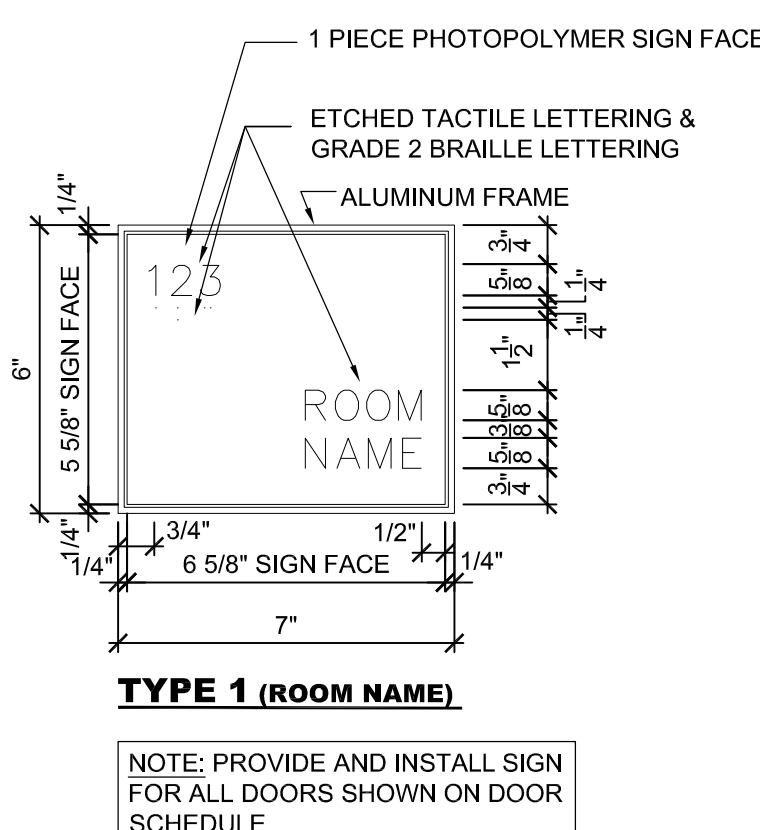
- §5:23-6.17A SUPPLEMENTAL REQUIREMENTS--GROUP B
- (a) MANUAL ALARM SYSTEM: WHEN THE WORK AREA EXCEEDS 50 PERCENT OF THE GROSS ENCLOSED FLOOR AREA OF THE BUILDING, A FIRE ALARM SYSTEM SHALL BE INSTALLED THROUGHOUT THE BUILDING.
- EXCEPTION: MANUAL ALARM SYSTEMS ARE NOT REQUIRED IN BUILDINGS WHICH DO NOT HAVE OCCUPIED FLOORS WHICH ARE TWO OR MORE STORIES ABOVE THE LOWEST LEVEL OF EXIT DISCHARGE OR FLOORS TWO OR MORE STORIES BELOW THE HIGHEST LEVEL OF EXIT DISCHARGE. (FIRE)
- (b) VERTICAL OPENING PROTECTION: WHEN THE WORK AREA EXCEEDS 50 PERCENT OF THE GROSS ENCLOSED FLOOR AREA OF THE BUILDING, VERTICAL OPENING PROTECTION SHALL BE PROVIDED THROUGHOUT THE BUILDING AS FOLLOWS:
- A MINIMUM TWO HOUR FIRE RATED ASSEMBLY WITH APPROVED OPENING PROTECTIVES SHALL BE REQUIRED FOR INTERIOR STAIRWAYS AND OTHER VERTICAL OPENINGS CONNECTING MORE THAN SIX FLOOR LEVELS.
 - A MINIMUM ONE HOUR FIRE RATED ASSEMBLY WITH APPROVED OPENING PROTECTIVES SHALL BE REQUIRED FOR INTERIOR STAIRWAYS AND OTHER VERTICAL OPENINGS CONNECTING FOUR TO SIX FLOOR LEVELS.
 - A MINIMUM 30-MINUTE UFC FIRE BARRIER SHALL BE REQUIRED FOR INTERIOR STAIRWAYS AND OTHER VERTICAL OPENINGS NOT EXCEEDING THREE STORIES.
- i. EXCEPTION: NO VERTICAL OPENING PROTECTION SHALL BE REQUIRED FOR BUILDINGS UP TO 3,000 SQUARE FEET PER FLOOR OR FOR BUILDINGS WITH AN AUTOMATIC SPRINKLER SYSTEM THROUGHOUT. (PLAN REVIEW--BUILDING, FIRE, INSPECTION--BUILDING)
- (c) NOT APPLICABLE
- (d) ELEVATOR DEVICES: NOT IN PROJECT'S SCOPE OF WORK

§5:23-6.29 MIXED USE BUILDINGS (NOT APPLICABLE)

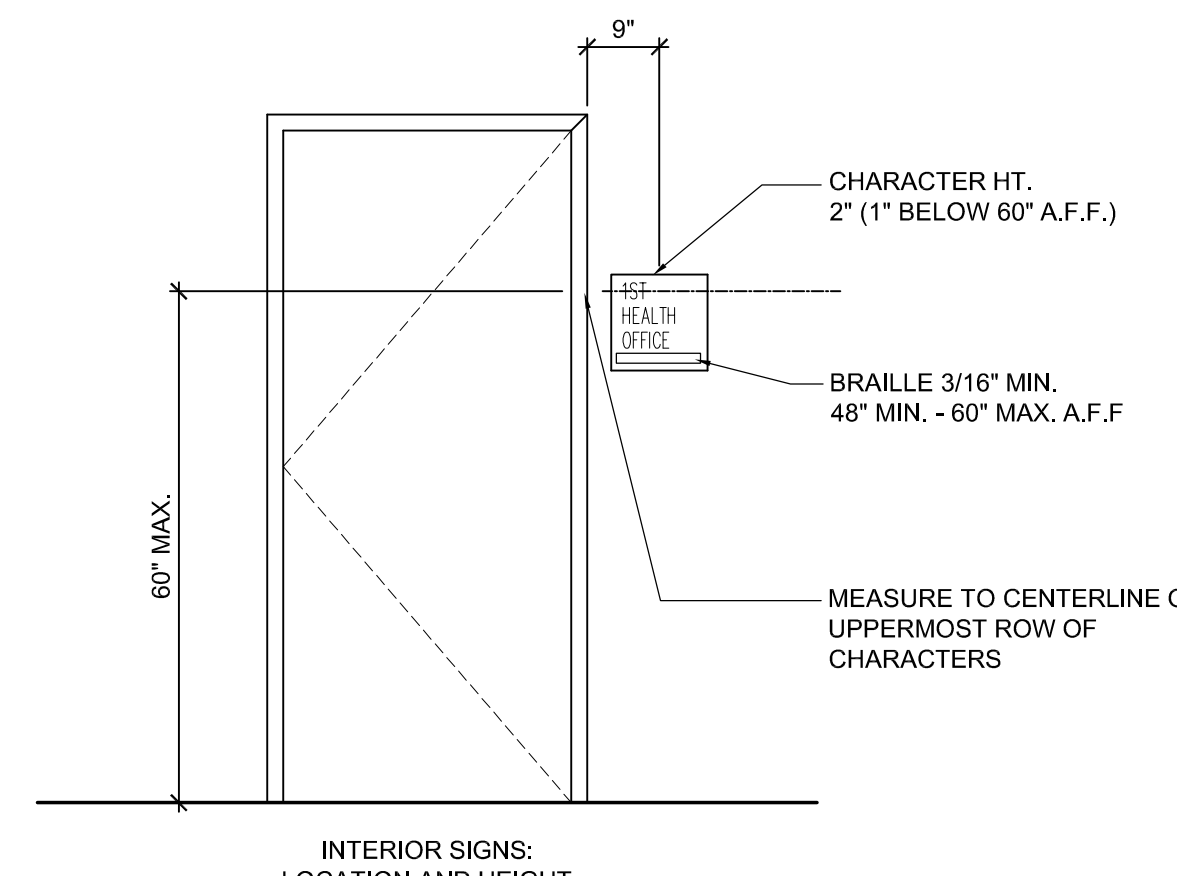
- §5:23-6.30 SPECIAL TECHNICAL REQUIREMENTS--ALL GROUPS
- (c) WINDOWLESS STORIES: IN ALL BUILDINGS, ANY WINDOWLESS BASEMENT OR STORY LOCATED BELOW THE SEVENTH STORY WHICH IS CREATED BY THE WORK BEING PERFORMED OR ANY EXISTING WINDOWLESS BASEMENT OR STORY LOCATED BELOW THE SEVENTH STORY IN WHICH THE WORK AREA EXCEEDS 50 PERCENT OF THE GROSS ENCLOSED FLOOR AREA OF THE WINDOWLESS STORY SHALL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH THE NEW JERSEY UNIFORM CONSTRUCTION CODE. (NOT APPLICABLE BECAUSE THERE IS A WINDOW IN THE BASEMENT MECHANICAL ROOM).

(e) TECHNICAL REQUIREMENTS FOR SMOKE BARRIERS: WHEREVER SMOKE BARRIERS ARE REQUIRED BY THIS SUBCHAPTER, THEY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING PROVISIONS:

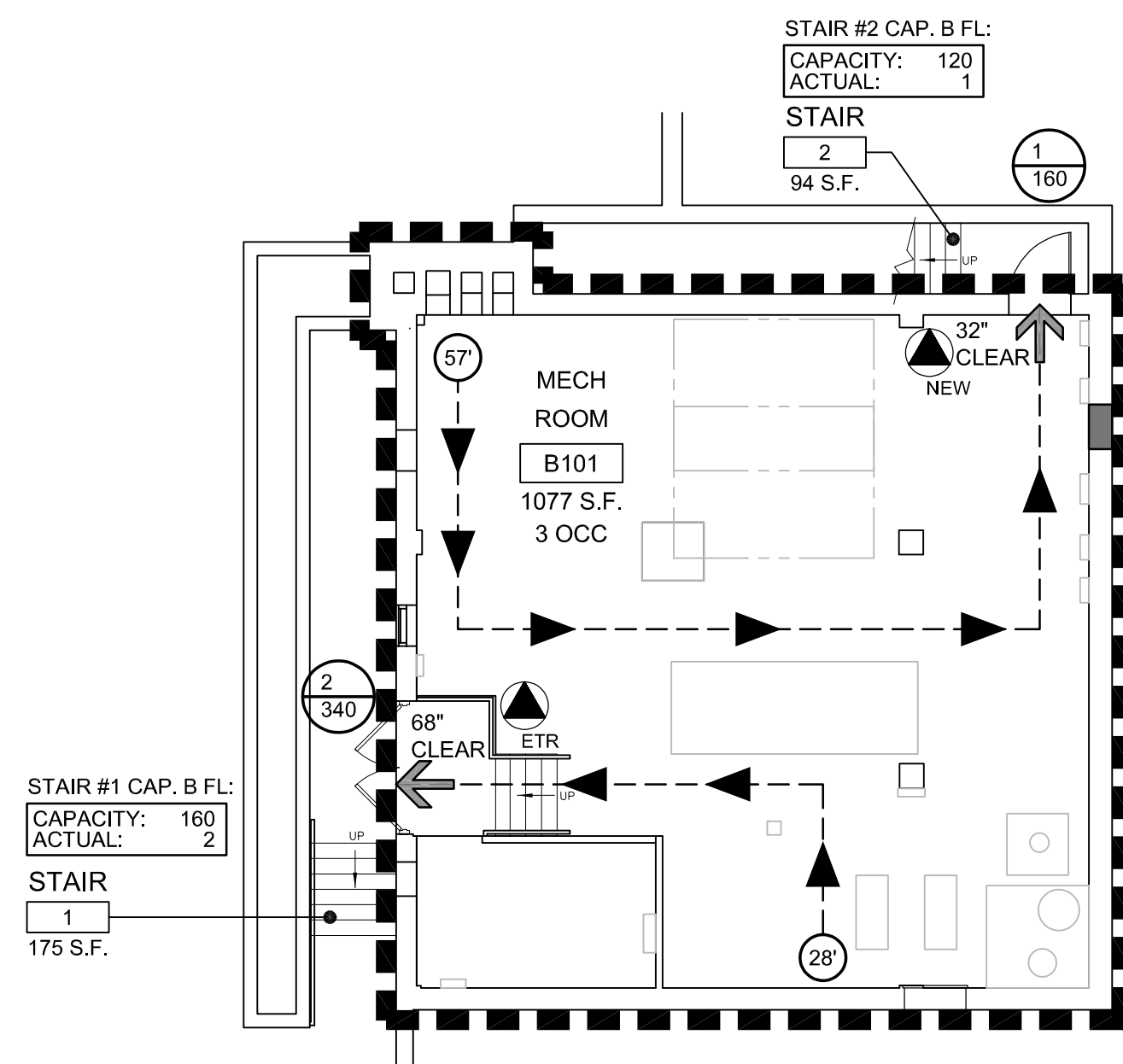
- SMOKE BARRIERS SHALL HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN ONE-HALF HOUR AND SHALL FORM AN EFFECTIVE MEMBRANE CONTINUOUS FROM OUTSIDE WALL TO OUTSIDE WALL AND FROM FLOOR SLAB TO FLOOR OR ROOF DECK ABOVE, INCLUDING CONTINUITY THROUGH ALL CONCEALED SPACES, SUCH AS THOSE FOUND ABOVE SUSPENDED CEILINGS, AND INCLUDING INTERSTITIAL STRUCTURAL AND MECHANICAL SPACES. TRANSFER GRILLES, WHETHER EQUIPPED WITH FUSIBLE LINK-OPERATED DAMPERS OR NOT, SHALL NOT BE USED IN THESE PARTITIONS. WIRE GLASS PANELS NOT EXCEEDING 1,296 SQUARE INCHES IN APPROVED STEEL FRAMES MAY BE USED IN SMOKE BARRIERS.
 - EXCEPTION: SMOKE BARRIERS ARE NOT REQUIRED IN INTERSTITIAL SPACES WHEN SUCH SPACES ARE DESIGNED AND CONSTRUCTED WITH CEILINGS THAT PROVIDE RESISTANCE TO THE PASSAGE OF FIRE AND SMOKE EQUIVALENT TO THAT PROVIDED BY SMOKE BARRIERS.
 - A MEANS OF EGRESS SHALL BE PROVIDED FROM EACH SMOKE COMPARTMENT CREATED BY SMOKE BARRIERS SUCH THAT IT IS POSSIBLE TO REACH AN EXIT WITHOUT RE-ENTERING THE SMOKE COMPARTMENT.
 - DOORS IN SMOKE BARRIERS SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED IN ACCORDANCE WITH ASTM E152 WITHOUT THE HOSE STREAM AND LABELED BY AN APPROVED AGENCY. DOUBLE EGRESS CORRIDOR DOORS SHALL HAVE VISION PANELS OF ONE-QUARTER INCH THICK LABELED WIRE GLASS MOUNTED IN APPROVED STEEL FRAMES. SUCH PANELS MAY ALSO BE PROVIDED IN OTHER DOORS IN SMOKE BARRIERS. THE GLASS AREA OF THE VISION PANELS SHALL BE LIMITED TO 1,296 SQUARE INCHES FOR EACH DOOR. THE DOORS SHALL CLOSE THE OPENINGS WITH ONLY THE CLEARANCE NECESSARY FOR PROPER OPERATION UNDER SELF-CLOSING OR AUTOMATIC CLOSING AND SHALL BE WITHOUT UNDERCUTS, LOUVERS OR GRILLES. RABBETS OR ASTRAGALS ARE REQUIRED AT THE MEETING EDGES OF DOUBLE EGRESS DOORS, AND STOPS ARE REQUIRED ON THE HEAD AND JAMBS OF ALL DOORS IN SMOKE BARRIERS. POSITIVE LATCHING DEVICES ARE NOT REQUIRED ON DOUBLE EGRESS CORRIDOR DOORS, AND CENTER MULLIONS ARE PROHIBITED.
 - EXCEPTION: PROTECTION AT THE MEETING EDGES OF DOORS AND STOPS AT THE HEAD AND SIDES OF DOOR FRAMES MAY BE OMITTED IN BUILDINGS EQUIPPED WITH AN APPROVED ENGINEERED SMOKE CONTROL SYSTEM. THE ENGINEERED SMOKE CONTROL SYSTEM SHALL RESPOND AUTOMATICALLY, PREVENTING THE TRANSFER OF SMOKE ACROSS THE BARRIER.
 - DOORS IN SMOKE BARRIERS SHALL BE SELF-CLOSING OR SHALL BE PROVIDED WITH APPROVED DOOR HOLD-OPEN DEVICES OF THE FAIL-SAFE TYPE WHICH SHALL RELEASE THE DOORS CAUSING THEM TO CLOSE UPON THE ACTUATION OF SMOKE DETECTORS AS WELL AS UPON THE APPLICATION OF A MAXIMUM MANUAL PULL OF 50 POUNDS AGAINST THE HOLD-OPEN DEVICE.
 - AN APPROVED DAMPER DESIGNED TO RESIST THE PASSAGE OF SMOKE SHALL BE PROVIDED AT EACH POINT A DUCT PENETRATES A SMOKE BARRIER. THE DAMPER SHALL CLOSE UPON DETECTION OF SMOKE BY AN APPROVED SMOKE DETECTOR LOCATED WITHIN THE DUCT.
 - IN LIEU OF AN APPROVED SMOKE DETECTOR LOCATED WITHIN THE DUCT, DUCTS WHICH PENETRATE SMOKE BARRIERS ABOVE DOORS ARE PERMITTED TO HAVE THE APPROVED DAMPER ARRANGED TO CLOSE UPON DETECTION OF SMOKE ON EITHER SIDE OF THE SMOKE BARRIER DOOR OPENING.
 - DAMPERS ARE NOT REQUIRED IN BUILDINGS EQUIPPED WITH AN APPROVED ENGINEERED SMOKE CONTROL SYSTEM.
 - DAMPERS ARE NOT REQUIRED WHERE THE OPENINGS IN DUCTS ARE LIMITED TO A SINGLE SMOKE COMPARTMENT AND THE DUCTS ARE OF STEEL CONSTRUCTION. (PLAN REVIEW--BUILDING, FIRE, INSPECTION--BUILDING)
- (f) EXISTING ALARM SYSTEMS AND AUTOMATIC SPRINKLER SYSTEMS SHALL BE ACCEPTED PROVIDED THAT THEY MEET THE REQUIREMENTS OF N.J.A.C. 5:23-6.8, MATERIALS AND METHODS, OR THE STANDARDS APPLICABLE AT THE TIME OF THEIR INSTALLATION AND PROVIDED THAT THERE IS NO INCREASE IN THE HAZARD OF THE USE OR IN THE LOAD. (FIRE)
- (g) TECHNICAL REQUIREMENTS FOR ELEVATOR DEVICES: (EXISTING ELEVATOR IS NOT PART OF THE PROJECT'S SCOPE).



3 TYPICAL SIGNAGE
SCALE: 3" = 1'-0"



2 TYPICAL SIGNAGE MOUNTING
SCALE: 1/2" = 1'-0"

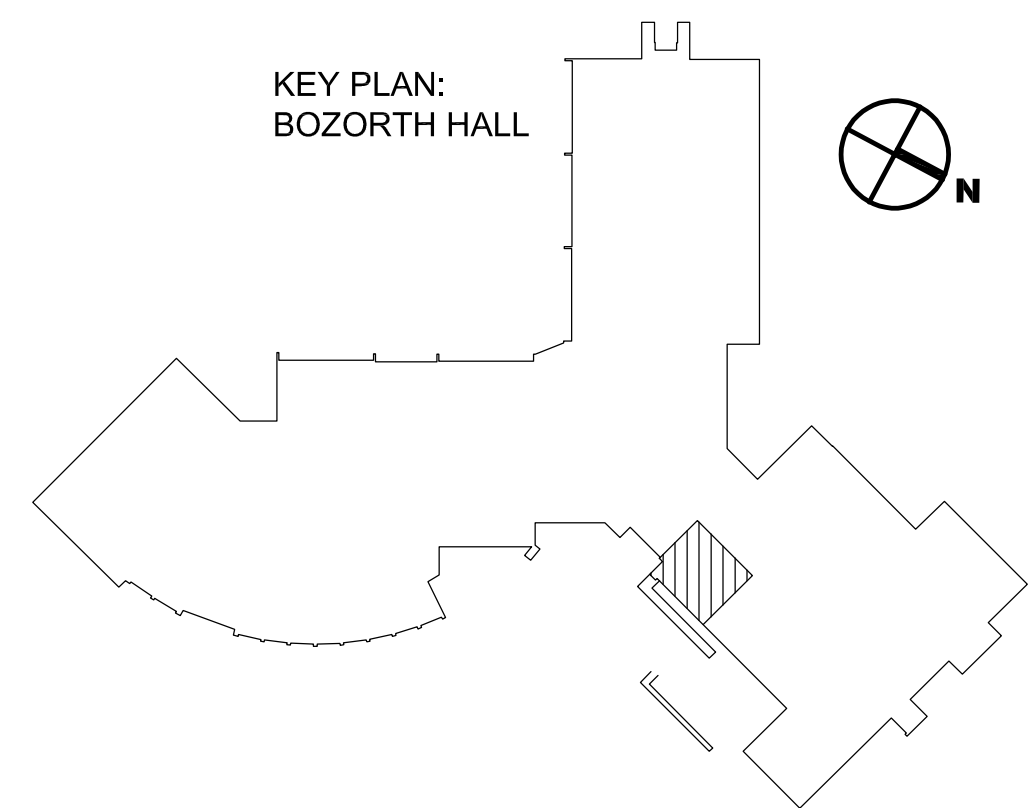


1 BOZORTH PARTIAL BASEMENT EGRESS PLAN
SCALE: 1/8" = 1'-0"

EGRESS LEGEND	
ROOM IDENTIFICATION TAG	
CLOSET	ROOM NAME
A-111A	ROOM NUMBER
100 S.F.	ROOM CALCULATED SQUARE FOOTAGE AND NET SQUARE FOOTAGE
X OCCUPANTS	NUMBER OF ROOM OCCUPANTS
TRAVEL DISTANCE DELINEATION	
→	DIRECTION OF TRAVEL
##	CUMULATIVE EGRESS LOAD NUMBER
##	DISTANCE TO NEAREST EXIT
###	ACTUAL DOOR LOAD
###	DOOR CAPACITY
STAIR ## CAP. # FL:	STAIR AND FLOOR NUMBER
CAPACITY: ###	STAIR CAPACITY
ACTUAL: ###	ACTUAL STAIR LOAD
---	60 MINUTE RATED WALL

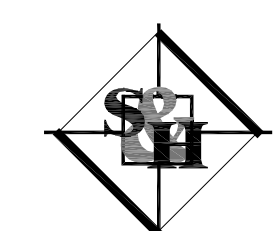
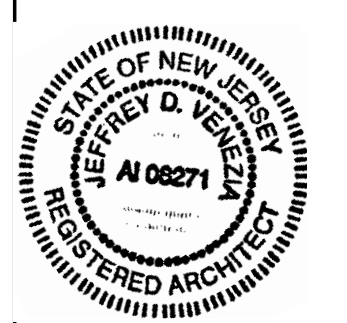
FIRE EXTINGUISHER COUNT AND LOCATIONS
BASED ON ONE (1) FIRE EXTINGUISHER FOR EACH 2,500 S.F. OF FLOOR AREA OR FRACTION THEREOF. SO DISTRIBUTED THAT ONE (1) EXTINGUISHER SHALL NOT BE MORE THAN 75 FEET TRAVEL DISTANCE FROM ANY POINT IN THE CORRIDOR.

BOZORTH			
MARK	DESCRIPTION	LOCATION	PROPOSED
▲	EXISTING EXTINGUISHER TO REMAIN	SEE PLAN THIS SHEET	1 ETR
▲	NEW EXTINGUISHER	SEE PLAN THIS SHEET	1 NEW



DI Group Architecture
ARCHITECTURE FOR CHANGE
15 Bethany Street • New Brunswick, NJ 08901 •
T: 732.249.6242
2450 W. Hunting Park Ave., Bldg 9 • Philadelphia, PA 19129
T: 215.634.3400

Jeffrey D. Venezia, AIA
NJ RA AI 00827100



SCHILLER AND HERSH ASSOCIATES, INC.
Consulting M/E/P Engineers
636 Skippack Pike P: 215.886.8947
Suite 200 F: 215.886.8956
Blue Bell, PA 19422 www.schillerhersh.com
Certificate of Authorization: 24GA28014000
SH JOB # 2566A

NO.	REVISION	DATE

ISSUED FOR: **BID/ PERMIT**

**BOILER PROJECT AT
BOZORTH HALL & HAWTHORN HALL
ROWAN UNIVERSITY
MEMORIAL CIRCLE, GLASSBORO, NJ 08028**

CODE ANALYSIS AND EGRESS PLANS
















PROJECT NO.:	25.063
DRAWN BY:	KT
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DATE:	03/06/2026
SCALE:	

DRAWING NO.:

CA-002

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SYMBOL LEGEND

-  EXISTING ELECTRICAL PANEL
-  NEW ELECTRICAL PANEL
- DD1:12 ELECTRICAL CIRCUITING INFORMATION. IN THIS EXAMPLE, EC SHALL WIRE DEVICE TO CIRCUIT #12 IN PANEL "DD1".
-  DENOTES POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
-  DENOTES LIMIT OF DEMOLITION WORK
-  EXISTING WORK
-  NEW WORK
-  DEMOLITION WORK
-  PHOTOELECTRIC SMOKE DETECTOR
-  MULTI-CRITERIA DETECTOR (SMOKE, CARBON MONOXIDE, AND HEAT)
-  HEAT DETECTOR
-  MANUAL PULL STATION WITH PROTECTIVE COVER WITHOUT ALARM HORN. WALL MOUNT AT 42" AFF (BOTTOM OF BOX).
-  EMERGENCY SHUTOFF PUSHBUTTON. REFER TO BOILER EMERGENCY SHUTOFF DIAGRAM DETAIL 1 ON DRAWING E-001 FOR ADDITIONAL INFORMATION.
-  EXIT SIGN WITH EMERGENCY HEADS AND BATTERY BACKUP
-  WIRELESS ACCESS POINT
-  HORN AND STROBE (MOUNT AT MIN 80" AFF OR MAX 96" AFF TO BOTTOM OF DEVICE)

ABBREVIATIONS

- 1P ONE POLE
- 2P TWO POLE
- 3P THREE POLE
- Ø PHASE
- A AMPERE
- AF AMP FRAME
- AFF ABOVE FINISHED FLOOR
- AIC AMPERE INTERRUPTING CAPACITY
- A/V AUDIO/VISUAL
- C CONDUIT
- C/B CIRCUIT BREAKER
- CKT CIRCUIT
- (E) EXISTING
- EC ELECTRICAL CONTRACTOR
- F/A FIRE ALARM
- FLA FULL LOAD AMPS
- GC GENERAL CONTRACTOR
- GFI GROUND FAULT INTERRUPTER
- GND GROUND
- IG ISOLATED GROUND
- KVA KILOVOLT AMPERE
- KW KILOWATT
- MC MECHANICAL CONTRACTOR
- MCA MINIMUM CIRCUIT AMPACITY
- MCB MAIN CIRCUIT BREAKER
- MLO MAIN LUGS ONLY
- (REL) RELOCATE
- TRANSF. TRANSFORMER
- TYP TYPICAL
- V VOLT
- W WATT
- WP WEATHER PROOF

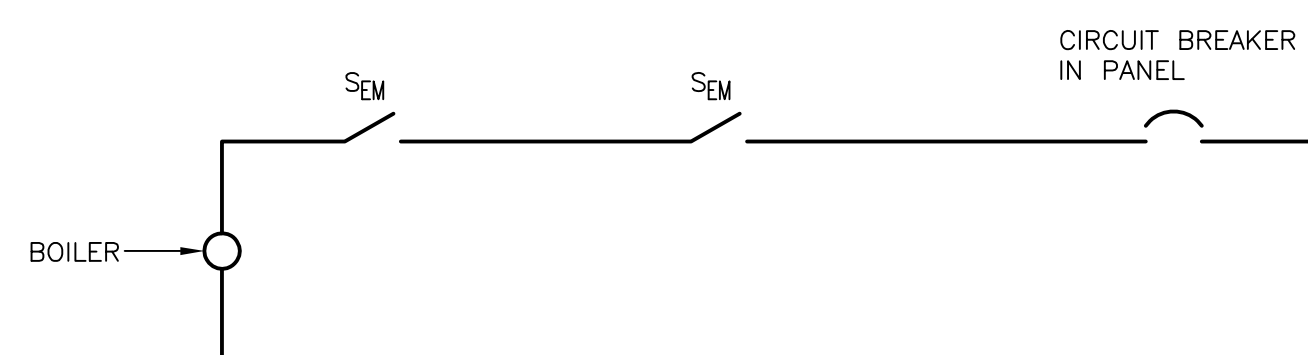
GENERAL NOTES

1. ALL BRANCH WIRING SHALL BE MINIMUM 3/4"C-2#12+1#12GND. OR HCF-MC CABLE.
2. EXACT LOCATIONS OF ALL ELECTRICAL EQUIPMENT SHALL BE COORDINATED IN THE FIELD WITH MECHANICAL, FIRE PROTECTION AND PLUMBING CONTRACTORS. ALL CLEARANCES AS REQUIRED BY ARTICLE 110 OF THE NEC SHALL BE MAINTAINED.
3. DEVICES LOCATED IN FIRE RATED WALLS THAT ARE GREATER THAN 16 SQ/IN SHALL BE PROVIDED WITH SPECSEAL SSP PUTTY PADS OR EQUAL ON EACH BACKBOX.
4. COORDINATE SPEAKER, OCCUPANCY SENSOR, AND FIRE ALARM DEVICE LOCATIONS WITH LIGHTING FIXTURES, SPRINKLERS, AIR DIFFUSERS, AND OTHER CEILING MOUNTED EQUIPMENT. COORDINATE WITH THE REFLECTED CEILING PLAN.
5. ALL EQUIPMENT ON FIRE ALARM DRAWINGS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECT. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT SHOWN, AT LOCATIONS AS DIRECTED BY THE ARCHITECT WITHOUT ADDITIONAL COMPENSATION.
6. FOLLOW DIMENSIONS, WHERE INDICATED ON DRAWINGS, DO NOT SCALE DRAWINGS.
7. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2020 NATIONAL ELECTRICAL CODE AND OTHER APPLICABLE CODES AND STANDARDS.
8. FUSES SHALL BE DUAL ELEMENT, TIME DELAY TYPE UNLESS OTHERWISE NOTED. COORDINATE FUSE SIZES WITH THE MOTORS FURNISHED UNDER THE MECHANICAL AND GENERAL CONTRACTS.
9. ALL CONDUCTORS SHALL BE COPPER.
10. FIRE STOPPING: WHERE CONDUITS PENETRATE FIRE AND SMOKE BARRIERS INCLUDING WALLS, PARTITIONS, FLOORS, AND CEILINGS, INSTALL FIRE-STOPPING AT PENETRATIONS AFTER CABLES ARE INSTALLED.
11. MATERIALS FOR FIRE STOPPING SHALL BE UL LISTED AND LABELED AND FM APPROVED FOR FIRE RATINGS CONSISTENT WITH PENETRATED BARRIERS. SLEEVES SHALL BE SCHEDULE 40, WELDED, BLACK STEEL PIPE SLEEVES. SIZES AS REQUIRED FOR EQUIVALENT AREA AS THE WIREWAYS. SEALING FITTINGS SHALL BE SUITABLE FOR SEALING CABLES IN SLEEVES OR CORE DRILLED HOLES. TWO-PART SEALANT: FORMED-IN-PLACE SEALANT FIRE-RESISTANT JOINT SEALERS.
12. UNLESS OTHERWISE NOTED ALL INDOOR ELECTRICAL EQUIPMENT SHALL BE PROVIDED WITH, AND HOUSED IN, A NEMA 1 ENCLOSURE. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN NEMA 3R ENCLOSURE.
13. COMMON NEUTRALS ARE NOT ACCEPTABLE.
14. ELECTRICAL CONTRACTOR SHALL EXAMINE THE DRAWINGS OF ALL TRADES AND COORDINATE THEIR WORK TO AVOID INTERFERENCE WITH STRUCTURE, AND ALL EQUIPMENT ABOVE AND BELOW THE CEILING.
15. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE BEFORE PROCEEDING WITH THE WORK.
16. PROVIDE MATCHING CORD AND PLUGS FOR ALL RECEPTACLES OTHER THAN STANDARD 20A DUPLEX RECEPTACLES.
17. CONTRACTOR MUST COORDINATE ROOMS NAMES ON THE PANEL SCHEDULES WITH THE FINAL ROOM NAMES, IN THE FIELD. ALL PANELS SHALL BE PROVIDED WITH TYPED PANEL SCHEDULE.
18. PROVIDE FIBER BUSHINGS ON THE ENDS OF ALL CONDUIT STUBS.
19. ALL OF THE NOTES UNDER THE "GENERAL NOTES" SHALL APPLY TO ALL OF THE ELECTRICAL DRAWINGS.
20. ALL SWITCHES, RECEPTACLES, PANELBOARDS, FIRE ALARM PANELS, POWER SUPPLIES AND DISCONNECTS SHALL BE LABELED WITH SOURCE PANEL AND CIRCUIT.
21. ALL SPARE CONDUITS SHALL BE PROVIDED WITH A PULL STRING.
22. ALL PANELS THAT HAVE NEW CIRCUITS OR REMOVED CIRCUITS SHALL HAVE NEW TYPED UPDATED PANEL SCHEDULES.
23. ALL SWITCHES, RECEPTACLES, PANELBOARDS, DISCONNECTS AND EQUIPMENT SHALL BE LABELED WITH SOURCE PANEL AND CIRCUIT.
24. ALL POWER OUTAGES THAT AFFECT AREAS OUTSIDE OF THE CONSTRUCTION AREA ARE REQUIRED TO BE PERFORMED ON 3RD SHIFT. COORDINATE ALL POWER OUTAGE WITH UNIVERSITY IN WRITING A MINIMUM 14 DAYS IN ADVANCE.
25. CONTRACTOR SHALL HIRE UNIVERSITY'S FIRE ALARM VENDOR, WAYMAN FIRE PROTECTION, 302-994-5757, TO PROVIDE PRICING FOR NEW CARBON MONOXIDE DETECTORS LISTED FOR USE WITH EXISTING EDWARDS EST3 FIRE ALARM SYSTEM. VENDOR SHALL PROVIDE SIGNED AND SEALED FIRE ALARM DRAWINGS, PROGRAMMING, AND NFPA 72 TESTING.

DEMOLITION NOTES

1. ALL WORK UNDER THIS SECTION SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO DEMOLITION.
2. DEMOLITION/RELOCATIONS: EACH TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND RELOCATIONS OF SERVICES, EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.
3. PRIOR TO DEMOLITION CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED. SHOULD THE OWNER OPT TO KEEP ANY MATERIALS, THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED. OTHERWISE, ALL DEMOLISHED OR REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR, SHALL BE REMOVED FROM THE SITE, AND BE DISPOSED OF IN A LEGAL MANNER.
4. DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO THE POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE. WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN APPROVED MANNER.
5. MAINTAIN EXISTING UTILITIES INDICATED OR WHERE REQUIRED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN SCHEDULED WITH THE OWNER.
6. DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED SAFETY.
7. REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES.
8. PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK.
9. PROTECTION: PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNER'S INSURANCE UNDERWRITER.
10. ALL EXISTING EQUIPMENT REQUIRED TO BE REUSED SHALL BE CLEANED, RECONDITIONED, CALIBRATED AND ADJUSTED. IN ALL INSTANCES WHERE CONTRACTOR FINDS THAT EXISTING EQUIPMENT IS DEFECTIVE TO THE POINT WHERE IT CANNOT BE PROPERLY RESTORED AND WILL NOT OPERATE PROPERLY, THEY SHALL REPORT THE SPECIFIC INSTRUMENTS OR EQUIPMENT TO THE ENGINEER FOR DIRECTIONS.
11. ALL DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO STARTING WORK.
12. DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO THE POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE. MAINTAIN (E) CIRCUIT INTEGRITY.

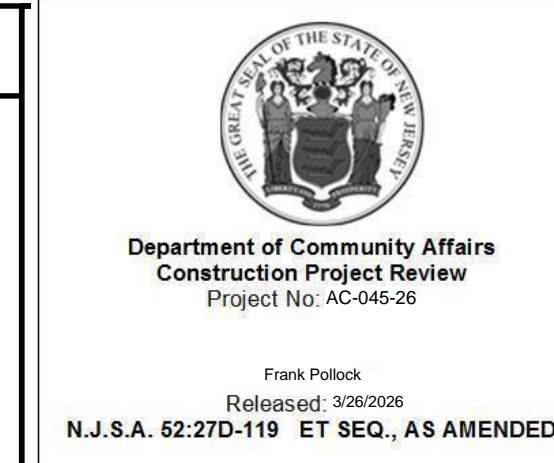
DETAILS



1 BOILER EMERGENCY SHUTDOWN (SEM)
SCALE: NOT TO SCALE

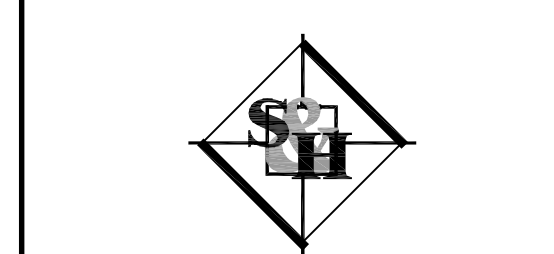
LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	MANUFACTURER	CATALOG NUMBER	ALTERNATE MANUFACTURERS	VOLTS	LIGHT ENGINE				DRIVER	MOUNTING	WARRANTY	REMARKS
					LUMENS	WATTS	COLOR	HOURS @ 70°				
A1	COLUMBIA	LCL4-35ML-ED-U	LITHONIA, CREE, OR APPROVED EQUAL	120/277	5,329	42	3500K	50,000	LED	0-10V DIMMING	5 YEARS	4' LED STRIP LIGHT FIXTURE WITH FROSTED ACYLIC LENS AND HEAVY DUTY DIE FORMED STEEL CHANNEL WITH WHITE BAKED ENAMEL PAINT. PROVIDE WITH CHAIN HANGER ASSEMBLY FOR SUSPENSION MOUNTING.
E1	DUAL-LITE	HXCURW-03LRC12	OR APPROVED EQUAL	120/277	-	4.5	RED	-	LED	-	5 YEARS	EXIT SIGN WITH THERMOPLASTIC HOUSING, LED LAMPS AND MIRRORRED BACKGROUND FOR SINGLE FACE SIGNS OR STANDARD DOUBLE FACE SIGNS. CONTRACTOR SHALL REFER TO THE CONTRACT DRAWINGS FOR THE MOUNTING REQUIREMENTS, NUMBER OF FACES AND ARROW REQUIREMENTS FOR EACH EXIT SIGN. BATTERY SHALL BE CAPABLE OF PROVIDING (2)INTEGRAL 3-WATT MR16 LED LAMPS AND (2)REMOTE 3-WATT MR16 LED LAMPS FOR MINIMUM 90 MINUTES.



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Construction Project Review
Project No. AC-04629
Released: 3/05/2020
N.J.S.A. 52:27D-119 ET SEQ., AS AMENDED

RICHARD L. DELP, P.E.
N.J. Professional Engineer
NO. GE45368



SCHILLER AND HERSH ASSOCIATES, INC.
Consulting M/E/P Engineers
638 Shippack Pike
Suite 200
Blue Bell, PA 19422
P: 215.686.8947
F: 215.686.8956
www.schillerhersh.com
Certificate of Authorization: 24GA28014000
SH_JOB # 2566A

NO.	REVISION	DATE

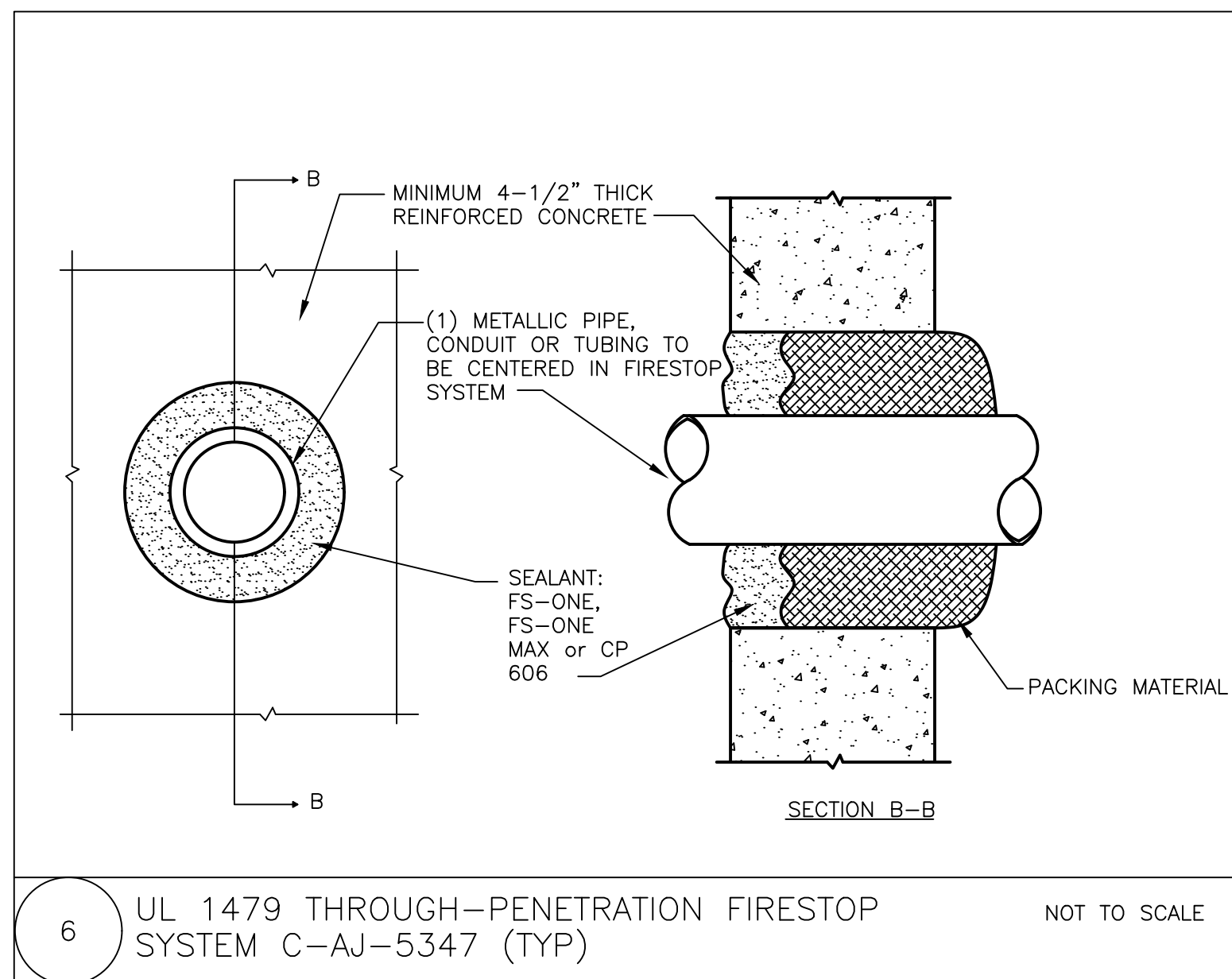
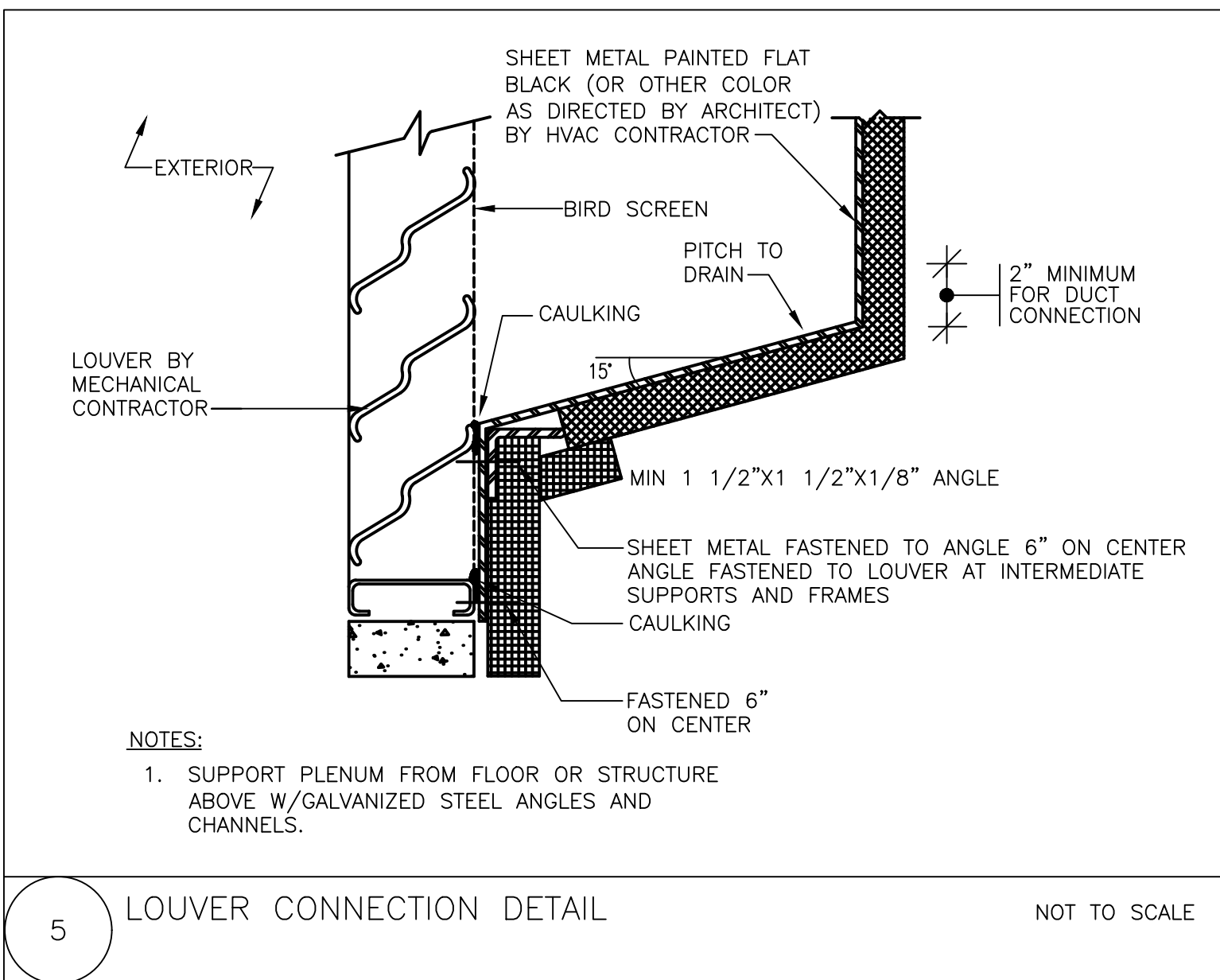
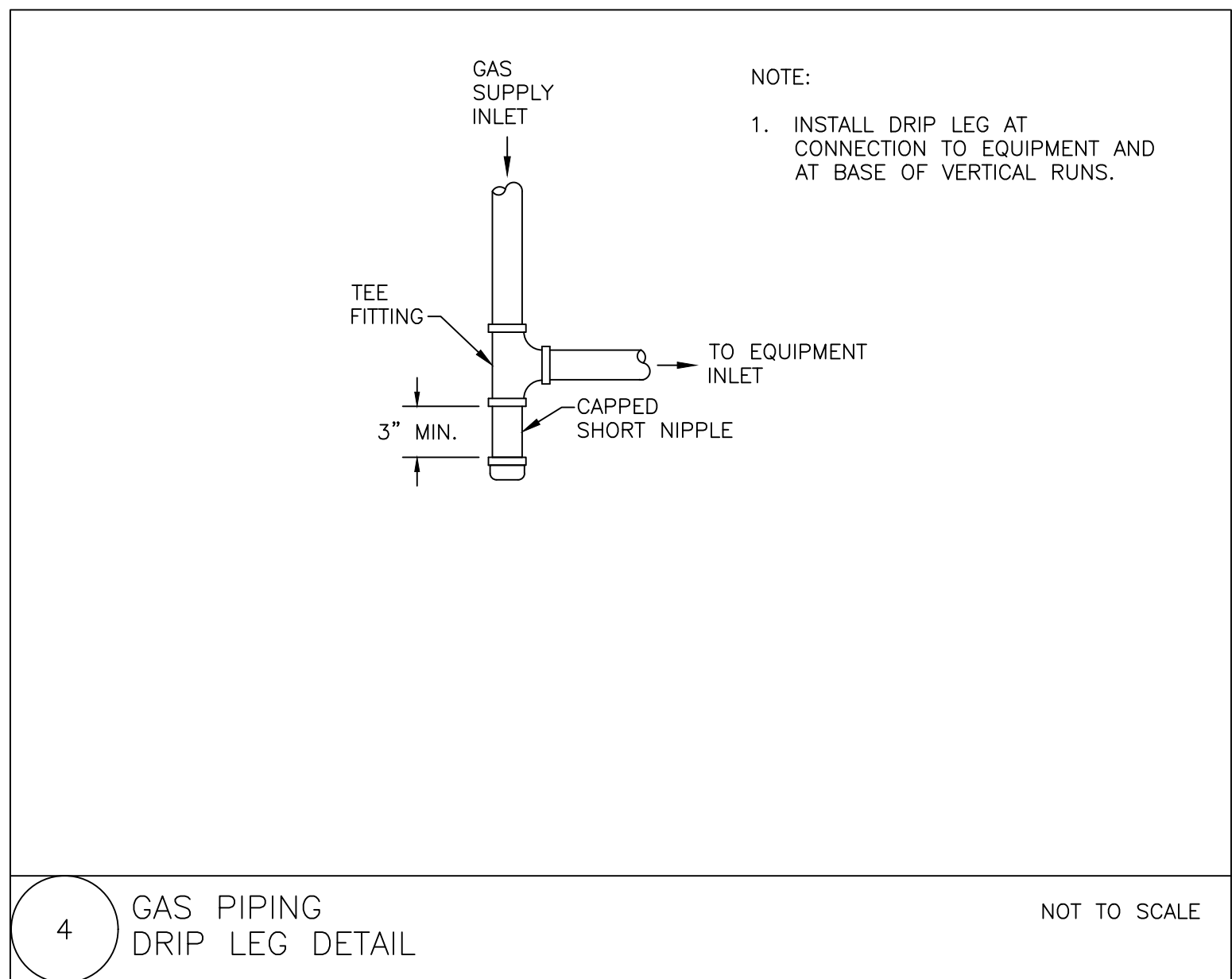
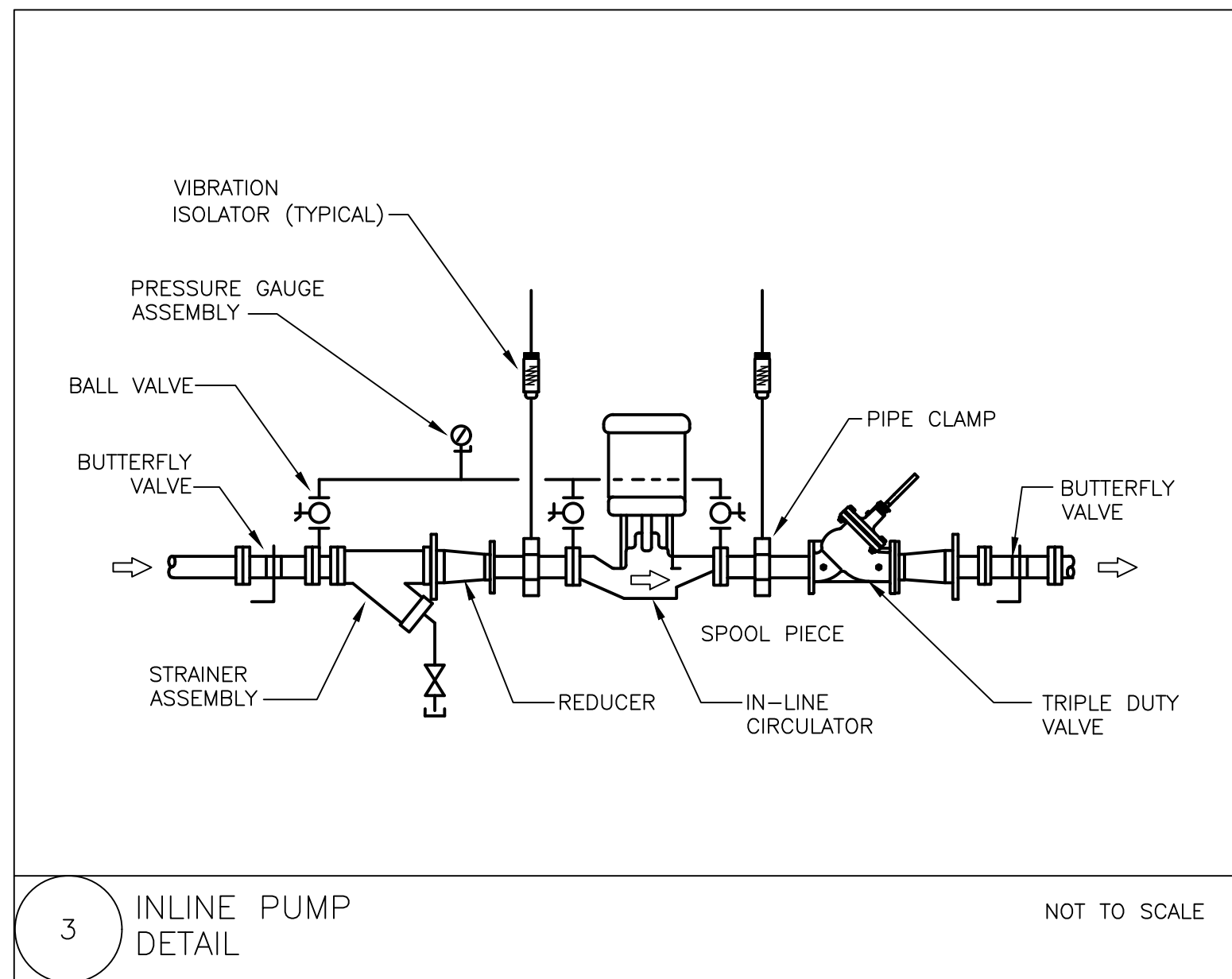
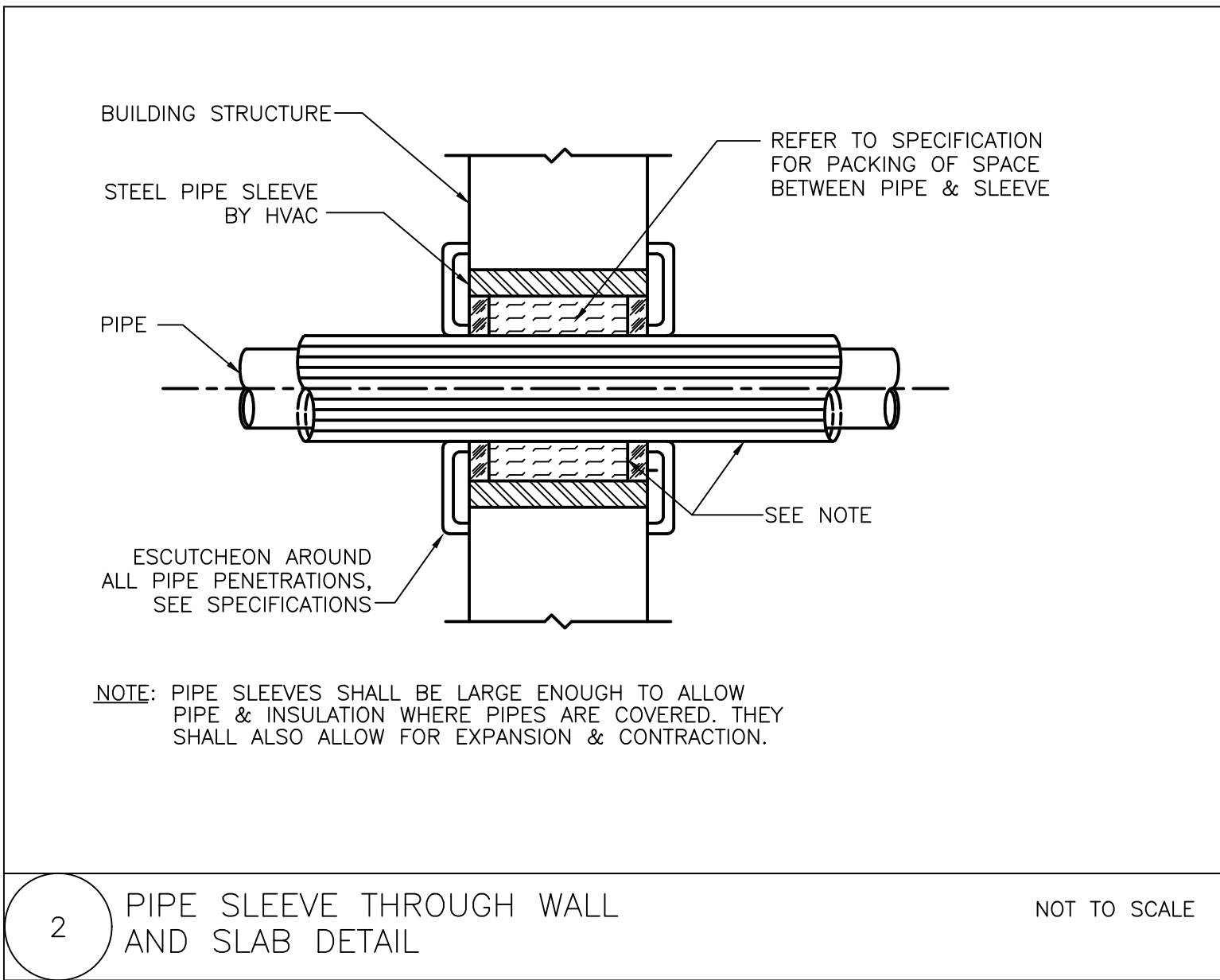
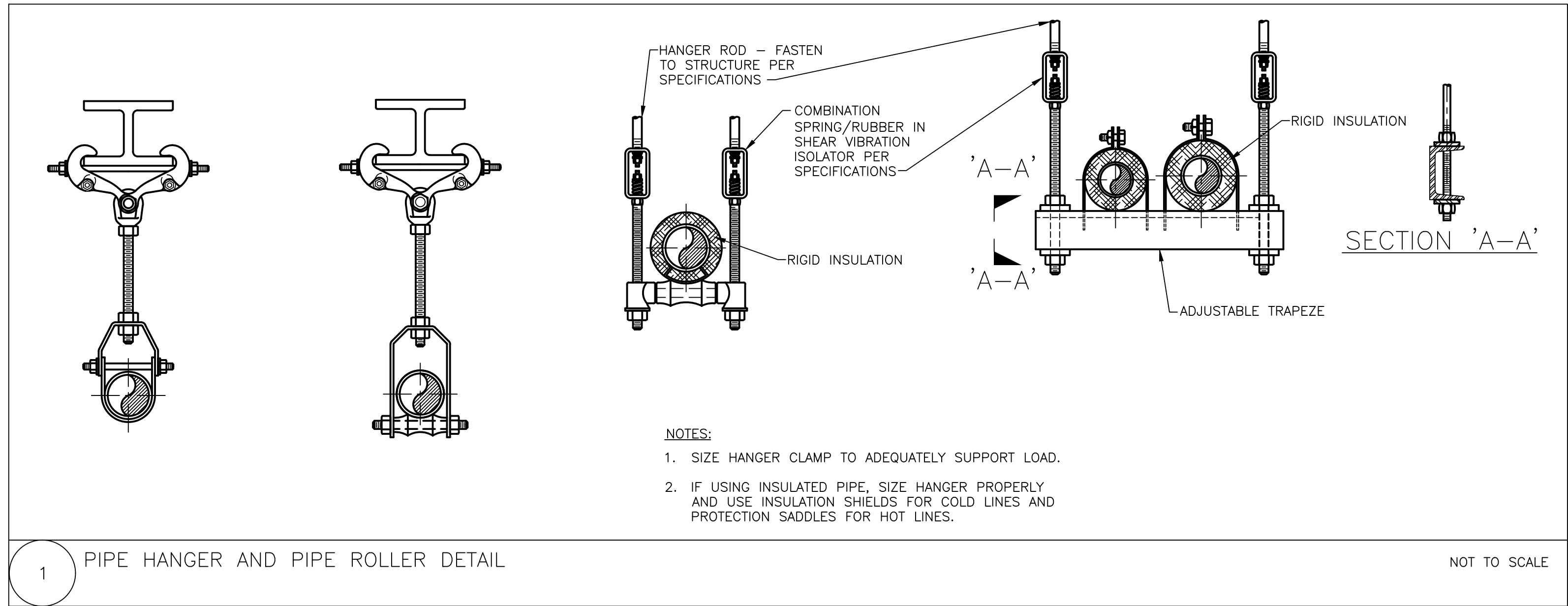
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BID / PERMIT

**BOILER PROJECT AT
BOZORTH HALL AND HAWTHORN HALL
ROWAN UNIVERSITY
MEMORIAL CIRCLE, GLASSBORO, NJ 08028**
**ELECTRICAL
COVER SHEET**

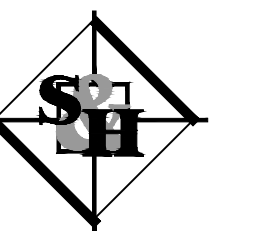
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RICHARD L. DELP, P.E.
 N.J. Professional Engineer
 NO. GE45368



SCHILLER AND HERSH ASSOCIATES, INC.
 Consulting M/E/P Engineers
 638 Skippack Pike
 Suite 200
 Blue Bell, PA 19422
 P: 215.886.8947
 F: 215.886.8956
 www.schillerhersh.com
 Certificate of Authorization: 24GA28014000
 SH JOB # 2566A

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BOILER PROJECT AT
 BOZORTH HALL AND HAWTHORN HALL
 ROWAN UNIVERSITY
 MEMORIAL CIRCLE, GLASSBORO, NJ 08028
MECHANICAL DETAILS

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CHECKED BY:	RLD
DATE:	03/06/2026
SCALE:	AS NOTED

DRAWING NO.:

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