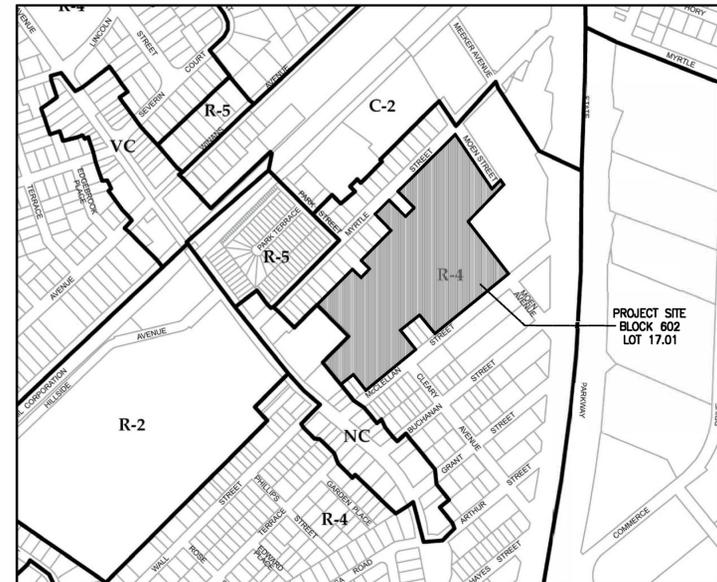


# PROPOSED WESTFIELD AREA YMCA & TOWNSHIP OF CRANFORD FITNESS FACILITY COLLABORATION

401 CENTENNIAL AVE  
CRANFORD, NJ 07016



1 KEY MAP  
SCALE: N.T.S.



2 ZONING MAP  
SCALE: N.T.S.

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## Proposed Westfield Area YMCA & Township of Cranford Fitness Facility Collaboration

401 Centennial Ave.  
Cranford, NJ 07016

SEPTEMBER 13, 2023

No.	Revision Description	Date
ISSUED FOR PERMIT		SEP. 13, 2023

Drawn by:  
Checked by:

125022.00

TITLE SHEET & BUILDING CODE DATA

**A000**

ORIGINAL  
IF IT IS RED IT IS AN ORIGINAL

### SCOPE OF WORK

ALTERATION OF A PORTION OF THE EXISTING BUILDING

### APPLICABLE CODES

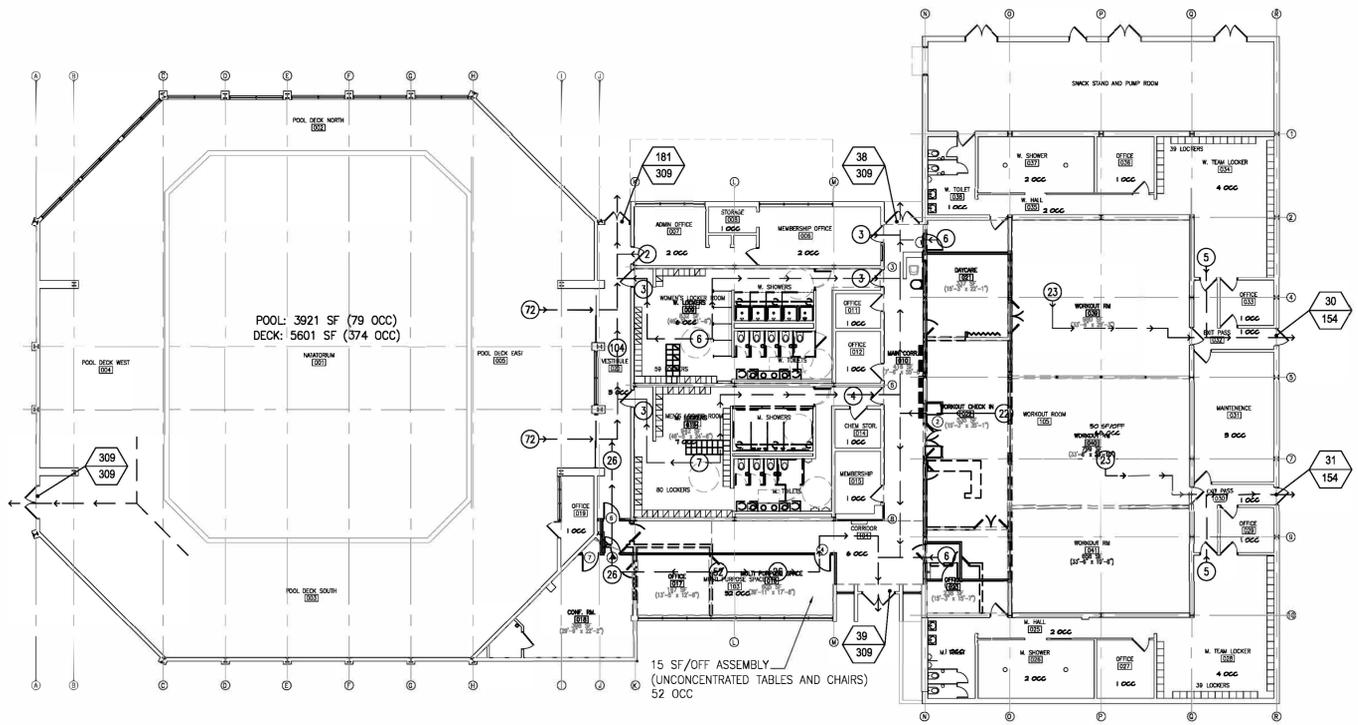
CODE TYPE	APPLICABLE CODE
REHAB	REHABILITATION SUBCODE (NJAC 5:23-6); NJUCC, SUBCHAPTER 6. UPDATED AS NECESSARY (CURRENT AS OF 03/6/23)
ENERGY	ASHRAE 90.1-2019 (COMMERCIAL & ALL OTHER RESIDENTIAL)
BUILDING	2021 NEW JERSEY BUILDING CODE (NJAC 5:23-3.14, 2021 INTERNATIONAL BUILDING CODE, NEW JERSEY EDITION).
ACCESSIBILITY	2021 NEW JERSEY BUILDING CODE, CHAPTER 11, NJAC 5:23-7, ICC/ANSI A117.1-2017
MECHANICAL	2021 INTERNATIONAL MECHANICAL CODE (NJAC 5:23-3.20)
PLUMBING	2021 NATIONAL STANDARD PLUMBING CODE, NJ EDITION (NJAC 5:23-3.15)
ELECTRICAL	2020 NATIONAL ELECTRICAL CODE (NFPA 70, NJAC 5:23-3.16)

### CHAPTER 3: OCCUPANCY CLASSIFICATION AND USE

EXISTING USE GROUP A-4

### CHAPTER 6: TYPES OF CONSTRUCTION

EXISTING BUILDING: TYPE 2A, UNPROTECTED, UNSPRINKLERED



4 EGRESS FLOOR PLAN  
SCALE: 1/16" = 1'-0"

3 BUILDING CODE DATA  
SCALE: NONE

### DRAWING INDEX:

- INDICATES NEW OR REVISED DRAWINGS
- INDICATES DRAWINGS RE-ISSUED WITHOUT CHANGE

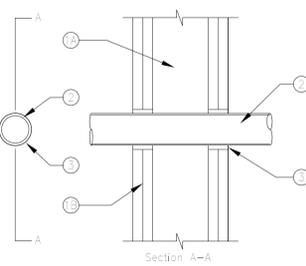
ARCHITECTURAL DRAWINGS		SEPT. 2023	BIBSET
A 000	TITLE SHEET, BUILDING CODE DATA	●	
A 001	GENERAL NOTES, ABBREVIATIONS, LEGENDS	●	
A 002	ADA NOTES, WALL TYPES	●	
A 003	THROUGH PENETRATION & FIRE STOPPING DETAILS	●	
SP101	BUILDING SITE PLAN	●	
AD 101	DEMOLITION FLOOR PLAN	●	
AD 111	DEMOLITION REFLECTED CEILING PLAN	●	
A 101	FLOOR PLAN	●	
A 111	REFLECTED CEILING KEY PLAN	●	
A 201	INTERIOR ELEVATIONS, SECTIONS & DETAILS	●	
A 601	DOOR SCHEDULES & DETAILS, FINISH FLOOR PLAN	●	
PM101	PLUMBING & MECHANICAL PLANS	●	





System No. W-L-2093

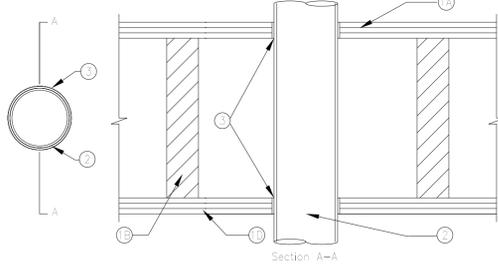
F-Rating = 1 and 2 Hr (See Item 1)  
T-Rating = 1 and 1-1/2 Hr (See Item 2)



1. Wall Assembly - The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:  
A. 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 16 in. O.C. with nom 2 by 4 in. lumber end plates and cross braces. Steel studs to be min 3-5/8 in. wide and spaced max. 24 in. O.C.  
B. Gypsum Board\*\*  
The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.  
2. Through Penetrants - One nonmetallic pipe, conduit or raceway to be centered within the firestop system. A nom annular space of 1/4 in. is required within the firestop system. Pipe, conduit or raceway to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of nonmetallic pipes, conduits or raceway may be used:  
A. Polyvinyl Chloride (PVC) - Nom 2 in. diam (or smaller) Schedule 40 cellular or solid core PVC pipe for use in closed (process or supply) piping systems.  
B. Rigid Nonmetallic Conduit\*\* - Nom 2 in. diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NFPA No. 70).  
C. Chlorinated Polyvinyl Chloride (CPVC) Pipe - Nom 2 in. diam (or smaller) SD17 CPVC pipe for use in closed (process or supply) piping systems.

System No. F-C-1010

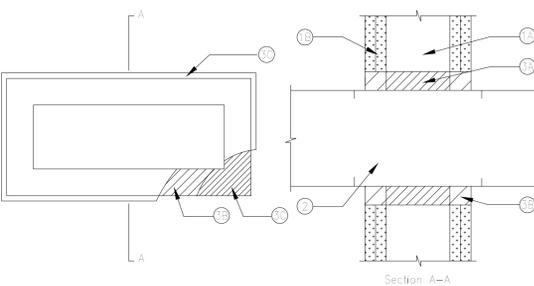
F-Rating = 1 and 2 Hr (See Item 1)  
T-Rating = Z, X, and 1-1/2 Hr (See Item 2)  
L Rating At Ambient = Less Than 1 CFM/sq ft  
L Rating At 400 F = Less Than 1 CFM/sq ft



1. Floor-Ceiling Assembly - The 1 hr fire-rated joist floor-ceiling assembly. The general construction features of the floor-ceiling assembly are summarized below:  
A. Flooring System - Lumber or plywood subfloor with finish floor of lumber, plywood or as specified in the individual Floor-Ceiling Design. Max diam of floor opening is 5 in.  
B. Wood Joists\*  
C. Furring Channels - (Not Shown) - In 2 hr fire-rated assemblies, resilient galv steel furring installed perpendicular to wood joists between first and second layers of gypsum board (Item 10). Furring channels spaced max 24 in. O.C. in 1 hr fire-rated assemblies, resilient galv steel furring installed perpendicular to wood joists between gypsum board and wood joists as specified in the individual Floor-Ceiling Design. Furring channels spaced max 24 in. O.C.  
D. Gypsum Board\*\*  
2. Through Penetrants - One metallic pipe, conduit or tube installed approximately midway between wood joists. Diam of openings hole-sawed through flooring system and through gypsum board ceiling to be nom 1/4 in. greater than the outside diam of through-penetrant. For 2 hr rated floor assemblies, through penetrant to be installed either concentrically or eccentrically with an annular space of 0 in. (point contact) to 1/4 in. For 2 hr rated floor assemblies, through metallic pipes, conduits or tubing may be used:  
A. Steel Pipe - Nom 4 in. diam (or smaller) Schedule 5 (or heavier) steel pipe.  
B. Iron Pipe - Nom 4 in. diam (or smaller) cast or ductile iron pipe.  
C. Conduit - Nom 4 in. diam (or smaller) steel electrical metallic tubing or steel

System No. W-L-7009

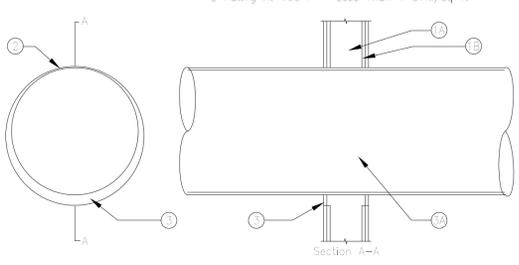
F-Ratings = 1 and 2 Hr (See Item 1)



1. Wall Assembly - The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly. The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.  
2. Steel Duct - Nom 24 by 12 in. (or smaller) No. 24 gauge (or heavier) steel duct to be installed vertically or horizontally within the firestop system. The annular space between the steel duct and the periphery of the framed opening shall be a min. 1/4 in. to a max. 2 in. The max. dimensions of the steel duct is dependent upon the hourly rating of the wall and type of stud used as tabulated below  
Fire Rating of Wall Hr Type of Stud Max. Dimension of Steel Duct  
1 Steel 24 in. by 12 in.  
2 Steel 12 in. by 12 in.  
1 Wood 12 in. by 12 in.  
2 Wood 12 in. by 12 in.  
3. Firestop System - The firestop system shall consist of the following:  
A. Packing Material - Min. 1-1/2 in. thickness of min. 4pcf mineral wool batt insulation firmly packed between framed opening and steel duct as a permanent form. Packing material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material.

System No. W-L-1049

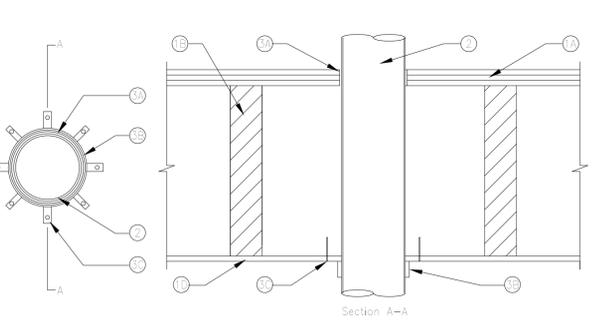
(Formerly System No. 635)  
F-Rating = 1 and 2 Hr (See Item 1B)  
T-Rating = 0 Hr  
L Rating At Ambient = Less Than 1 CFM/sq ft  
L Rating At 400 F = Less Than 1 CFM/sq ft



1. Wall Assembly The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:  
A. Studs Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min. 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. (102 to 152 mm) wider and 4 to 6 in. (102-152 mm) higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. (51 to 76 mm) clearance is present between the penetrating item and the framing on all four sides.  
B. Gypsum Board\*\*  
2. Through Penetrant One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe, conduit or tubing may be installed at an angle not greater than 45 degrees from perpendicular. The annular space between pipe, conduit or tubing and periphery of opening shall be min. 0 in. (0mm, point contact) to max. 2 in. (51 mm). 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:  
A. Steel Pipe Nom 24 in. (610 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.  
B. Iron Pipe Nom 24 in. (610 mm) diam (or smaller) cast or ductile iron pipe.  
C. Conduit Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing, nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 1 in. (25 mm) diam (or smaller) flexible steel conduit.  
D. Copper Tubing Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.  
E. Copper Pipe Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.  
3. Fill, Void or Cavity Material\*\* - Sealant Min. 1/4 in. (16 mm) thickness of fill material applied with annulus, flush with both surfaces of wall. At the point contact location between through penetrant and gypsum board, a min. 1/4 in. (10 mm) diam bead of fill material shall be applied at the gypsum board/through penetrant interface on both surfaces of wall.  
SPECIFIED TECHNOLOGIES INC. - SpecSeal 100, 101, 102 or 105 Sealant  
\*Bearing the UL Classification Mark  
\*\*Bearing the UL Listing Mark  
Directory: FRERES

System No. F-C-2033

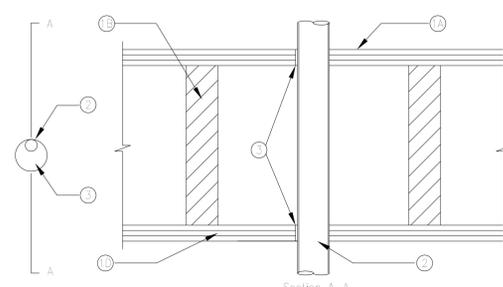
F-Rating = 1 Hr  
T-Rating = 1 Hr



1. Floor-Ceiling Assembly - The fire-rated joist floor-ceiling assembly. The general construction details of the floor-ceiling assembly are summarized below:  
A. Flooring System - Lumber or plywood subfloor with finish floor of lumber, plywood as specified in the individual Floor-Ceiling Design. Max. diam of floor opening is 5 in.  
B. Wood Joists  
C. Furring Channels - (Not Shown) - Resilient galv steel furring installed perpendicular to wood joists (Item 1B) between wallboard (Item 1D) and wood joists as required in the individual Floor-Ceiling Design.  
D. Gypsum Board\*\*  
2. Through Penetrants - One nonmetallic pipe or conduit to be installed approximately midway between wood joists and installed either concentrically or eccentrically within the firestop system. Diam of openings hole-sawed through flooring system and through gypsum wallboard ceiling to be nom 1/4 in. larger than the outside diam of through-penetrant. The annular space between the through penetrant and the periphery of the opening shall be a min. 0 in. (point contact) to a max. of 1/4 in. Pipe or conduit to be rigidly supported on both sides of the floor-ceiling assembly. The following types and sizes of nonmetallic pipes or conduits may be used:  
A. Polyvinyl Chloride (PVC) Pipe - Nom 4 in. 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 4 in. 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 4 in. diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NFPA No. 70).  
D. Chlorinated Polyvinyl Chloride (CPVC) Pipe - Nom 4 in. diam (or smaller) SD17 CPVC pipe for use in closed (process or supply) vented (drain, waste or vent) piping systems.  
3. Firestop system - The firestop system shall consist of the following:  
A. Fill, Void or Cavity Material\*\* - Sealant - Fill material forced into annulus to max. extent possible on top surface of floor. Additional fill material to be installed such that a min. 1/4 in. crown is formed around the penetrating item.  
SPECIFIED TECHNOLOGIES INC. - SpecSeal 100, 101, 102 or 105 Sealant.  
B. Fill, Void or Cavity Material\*\* - Wrap Strip - Nom 1/4 in. thick intumescent material faced on both sides with a plastic film, supplied in 1-1/2 in. wide strips. The layers of wrap strips are individually wrapped around the through-penetrant with the ends butted and held in place with masking tape. Butted ends in successive layers may be aligned or offset. The wrap strips are wrapped around through-penetrant on underside of gypsum wallboard ceiling. The number of wrap strips required is dependent upon the diameter of the through-penetrant as tabulated below:  
Diam of Through-Penetrant, in. No. of Wrap Strips 2132435SPECIFIED TECHNOLOGIES INC. - SpecSeal RED Strip  
C. Steel Collar - Collar fabricated from coils of precast 0.016 in. thick (30 MSG) galv steel available form wrap strip manufacturer. Collar shall be nom 1-1/2 in. deep with 1 in. wide by 2 in. long anchor tabs for securement of underside of ceiling. Retainer tabs, 1/2 in. wide tapering down to 1/4 in. wide and located opposite the anchor tabs, are folded 90 degree toward through-penetrant surface to maintain the annular space around the through-penetrant and to retain the wrap strips. Steel collar wrapped around wrap strips and through-penetrant with a 1 in. wide overlap along its perimeter joint and secured together by means of a min. 1/4 in. wide by 0.025 in. thick stainless steel nose clamp at mid-depth of the steel collar. As an alternate to the steel nose clamp, the steel collar may be secured together by means of three No. 8 steel sheet metal screws. The length of the steel screws is dependent upon the number of layers of wrap strip used within the steel collar. For steel collars incorporating a single layer of wrap strip, the length of the steel screws shall be 1/4 in. long. For steel collars incorporating two or more layers of wrap strip, the length of the steel screws shall be 1/2 in. long. Collar secured to ceiling with 1/4 in. diam by min. 2 in. long toggle bolts in conjunction with min. 1/4 in. by 1 in. diam steel fender washers. The number of toggle bolts used is dependent upon the nom diam of the through penetrant. Two toggle bolts, symmetrically located, are required for nom 1-1/2 through 2 in. diam through penetrants. Three toggle bolts, symmetrically located, are required for nom 2-1/2 through 3 in. diam through penetrants. Four toggle bolts, symmetrically located, are required for nom 3-1/2 through 4 in. diam through penetrants.  
\*Bearing the UL Listing Mark  
\*\*Bearing the UL Classification Marking

System No. F-C-3013

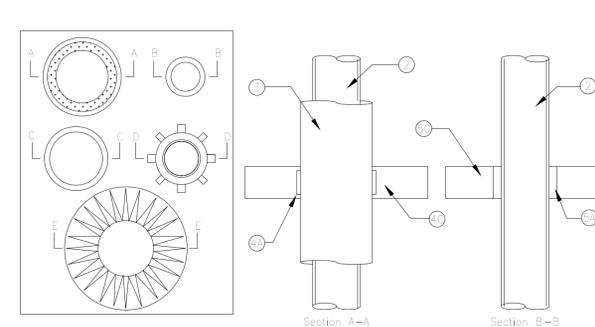
F-Rating = 1 and 2 Hr (See Item 2A)  
T-Rating = Z, 1 and 2 Hr (See Item 2A)  
L Rating At Ambient = Less Than 1 CFM/sq ft  
L Rating At 400 F = Less Than CFM/sq ft



1. Floor-Ceiling Assembly - The 1 hr fire-rated joist floor-ceiling assembly. The general construction features of the floor-ceiling assembly are summarized below:  
A. Flooring System - Lumber or plywood subfloor with finish floor of lumber, plywood as specified in the individual Floor-Ceiling Design. Max. diam of floor opening is 2 in.  
B. Wood Joists\*  
C. Furring Channels  
D. Gypsum Board\*\*  
2. Cables - One or more cables to be installed either concentrically or eccentrically within the firestop system. Cable(s) to be installed approximately midway between wood joist. Diam of openings hole-sawed through flooring and through gypsum wallboard ceiling to be min. 1/4 in. larger than the outside diam of cable or cable bundle. The annular space within the firestop system shall be min. 0 in. (point contact) to a max. 1-1/4 in. Cables to be rigidly supported on both sides of floor-ceiling assembly. The following types and sizes of cables may be used:  
A. Max. 100 pair No. 24 AWG (or smaller) copper conductor telephone cables with polyvinyl chloride (PVC) insulation and jacket materials.  
B. Max. 3/4 (with ground) No. 2/0 (or smaller) AWG aluminum conductor service entrance cable with PVC insulation and jacket materials.  
C. Max. 3/4 (with ground) No. 12 AWG (or smaller) copper conductor nonmetallic sheathed (Romex) cable with PVC insulation and jacket materials.  
The number of cables allowed within the opening is dependent upon the type and size of cable as tabulated in Item 2A.  
2A. Through Penetrating Product\*\* (Not Shown) - As an alternate to Item 2, max. 4/C No. 2/0 AWG (or smaller) aluminum or steel Armored Cable\* or Metal-Clad Cable\* with copper conductors. Max. one armored cable or metal-clad cable to be installed either concentrically or eccentrically within the firestop system. One cable to be installed approximately midway between wood joist. Diam of openings hole-sawed through flooring system and through gypsum wallboard ceiling to be min. 1/4 in. larger than the outside diam of cable. The annular space within the firestop system shall be a min. 0 in. (point contact) to a max. 1-1/4 in. Through-penetrating product to be rigidly supported on both sides of a floor-ceiling assembly.  
SPECIFIED TECHNOLOGIES INC. - SpecSeal 100, 101, 102 or 105 Sealant  
\*Bearing the UL Classification Marking

System No. C-AJ-8055

F-Rating = 2 Hr  
T-Rating = 0, X, 1 and 2 Hr (See Item 2)



1. Floor Assembly - Min. 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete.  
2. Firestop system - The firestop system consists of any combination of the four individual firestop configurations described below, installed within the opening. Each configuration consists of a through penetrant, wrap strip and/or putty pads, forms and mortar, installed within the opening around the various configurations. The space between the firestop configurations shall be a min. 2-1/2 in. to max. 13 in. The space between the firestop configurations and the periphery of the opening shall be a min. 1 in. to a max. 6-1/2 in. The T Rating of the firestop system is dependent on the firestop configuration, as shown in the table below:  
Firestop Configuration T-Rating, HRA3/4800DD2E1  
Firestop Configuration A-A  
2. Through-Penetrants - One metallic pipe or tubing to be installed within the opening. Pipe or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or tubing may be used:  
A. Steel Pipe - Nom 3 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.  
B. Iron Pipe - Nom 3 in. diam (or smaller) cast or ductile iron pipe.  
C. Copper Tubing - Nom 3 in. diam (or smaller) Type L (or heavier) copper pipe.  
D. Copper Pipe - Nom 3 in. diam (or smaller) Regular (or heavier) copper pipe.  
3. Tube Insulation - Plastics\*\*\* Nom 1/4 in. thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing.  
See Plastics\*\* (NF22) category in the Plastics 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 94-5VA may be used.  
4. Firestop Configuration - The firestop configuration shall consist of the following:  
A. Fill, Void or Cavity Material\*\* - Wrap Strip - Nom 1/4 in. thick intumescent material faced on both sides with a plastic film, supplied in 1-1/2 in. wide strips. One layer of wrap strip installed around outer circumference of the insulated through penetrant with ends butted and held in place with a layer of aluminum foil tape. The wrap strip shall be recessed 1-1/2 in. from the bottom surface of the concrete floor. In walls having a thickness of 5 in. or less, the wrap strip shall be centered at mid-depth of wall assembly. In walls having a thickness greater than 5 in., the wrap strip shall be installed on both surfaces of the wall such that exposed edge of the wrap strip is recessed 1-1/4 in. from each side of the wall.  
SPECIFIED TECHNOLOGIES INC. - SpecSeal RED Wrap Strip  
B. Forms - (Not Shown) - Used as a form to prevent the leakage of fill material installation. Forms to be rigid sheet material, cut to fit the contour of the penetrating item and positioned on the bottom surface of the floor or both sides of the wall as required to accommodate the required thickness of fill material. Forms to be removed after fill material has cured.  
C. Fill, Void or Cavity Material\*\* - Mortar - Min. 3-1/2 in. thickness of fill material applied within the annulus. The mortar shall be recessed 1/4 in. from the bottom surface of the floor or from each surface of the wall. Mortar to be mixed with water at a rate of 1.4 parts dry mixture to 1.0 part water by weight in accordance with the installation instructions supplied with the product.  
SPECIFIED TECHNOLOGIES INC. - SpecSeal Mortar  
Firestop Configuration B-B  
2. Through Penetrants - One metallic pipe or tubing to be installed within the opening. Pipe or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or tubing may be used:  
A. Steel Pipe - Nom 3 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.  
B. Iron Pipe - Nom 3 in. diam (or smaller) cast or ductile iron pipe.  
C. Copper Tubing - Nom 3 in. diam (or smaller) Type L (or heavier) copper pipe.  
D. Copper Pipe - Nom 3 in. diam (or smaller) Regular (or heavier) copper pipe.  
3. Firestop Configuration - The firestop configuration shall consist of the following:  
A. Fill, Void or Cavity Material\*\* - Putty Pad - Nom 3-1/2 in. wide moldable putty. A single layer of putty pads shall be wrapped around outer circumference of through penetrant with ends butted. In floors, the putty pad shall be recessed 1/4 in. from the bottom surface of the floor and flush with the bottom edge of mortar (Item 3C). In walls, the putty pad shall be recessed min. 1/4 in. from each surface of mortar.  
SPECIFIED TECHNOLOGIES INC. - SpecSeal Putty Pads  
B. Forms - (Not Shown) - Used as a form to prevent the leakage of fill material installation. Forms to be rigid sheet material, cut to fit the contour of the penetrating item and positioned on the bottom surface of the floor or both sides of the wall as required to accommodate the required thickness of fill material. Forms to be removed after fill material has cured.  
C. Fill, Void or Cavity Material\*\* - Mortar - Min. 3-1/2 in. thickness of fill material applied within the annulus. Fill material to be recessed 1/4 in. from the bottom surface of floor or both surfaces of the wall assembly. Mortar to be mixed with water at a rate of 1.4 parts dry mixture to 1.0 part water by weight in accordance with the installation instructions supplied with the product.  
SPECIFIED TECHNOLOGIES INC. - SpecSeal Mortar  
\*Bearing the UL Classification Marking  
\*\*Bearing the UL Listing Mark  
\*\*\*Bearing the UL Recognized Component Mark

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SEPTEMBER 13, 2023

No.	Revision Description	Date
ISSUED FOR PERMIT		SEP. 13, 2023

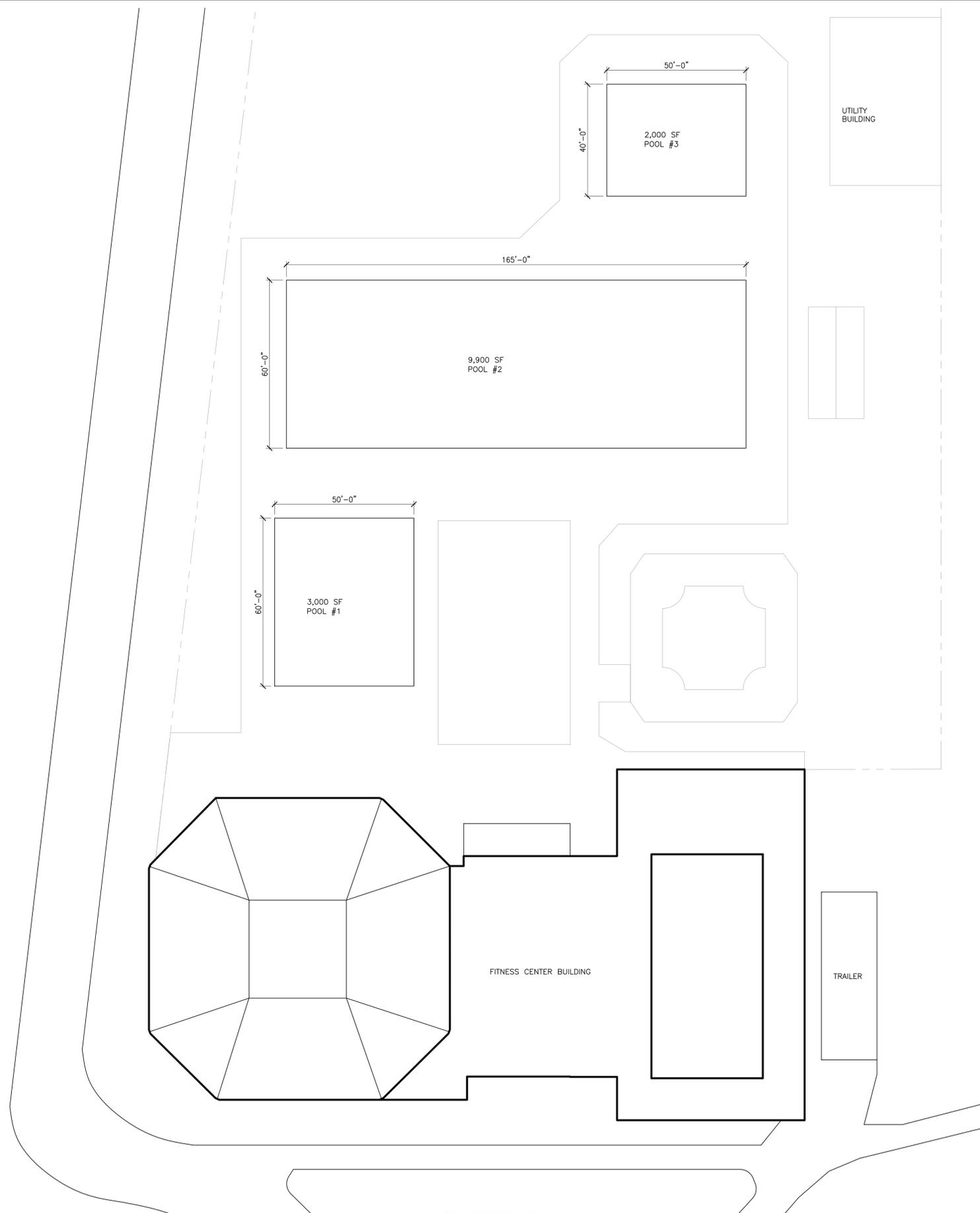
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Checked by:

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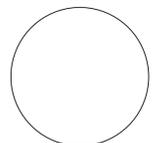
THROUGH PENETRATION & FIRE STOPPING DETAILS

A003

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1 SITE PLAN  
SCALE: 1" = 20'-0"



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 CT. 09009 PA. B 6580  
 Noel S. Musial, II, A.I.A.  
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**Proposed  
 Westfield Area  
 YMCA &  
 Township of  
 Cranford  
 Fitness Facility  
 Collaboration**

401 Centennial Ave.  
 Cranford, NJ 07016

SEPTEMBER 13, 2023

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SITE PLAN

**SP101**

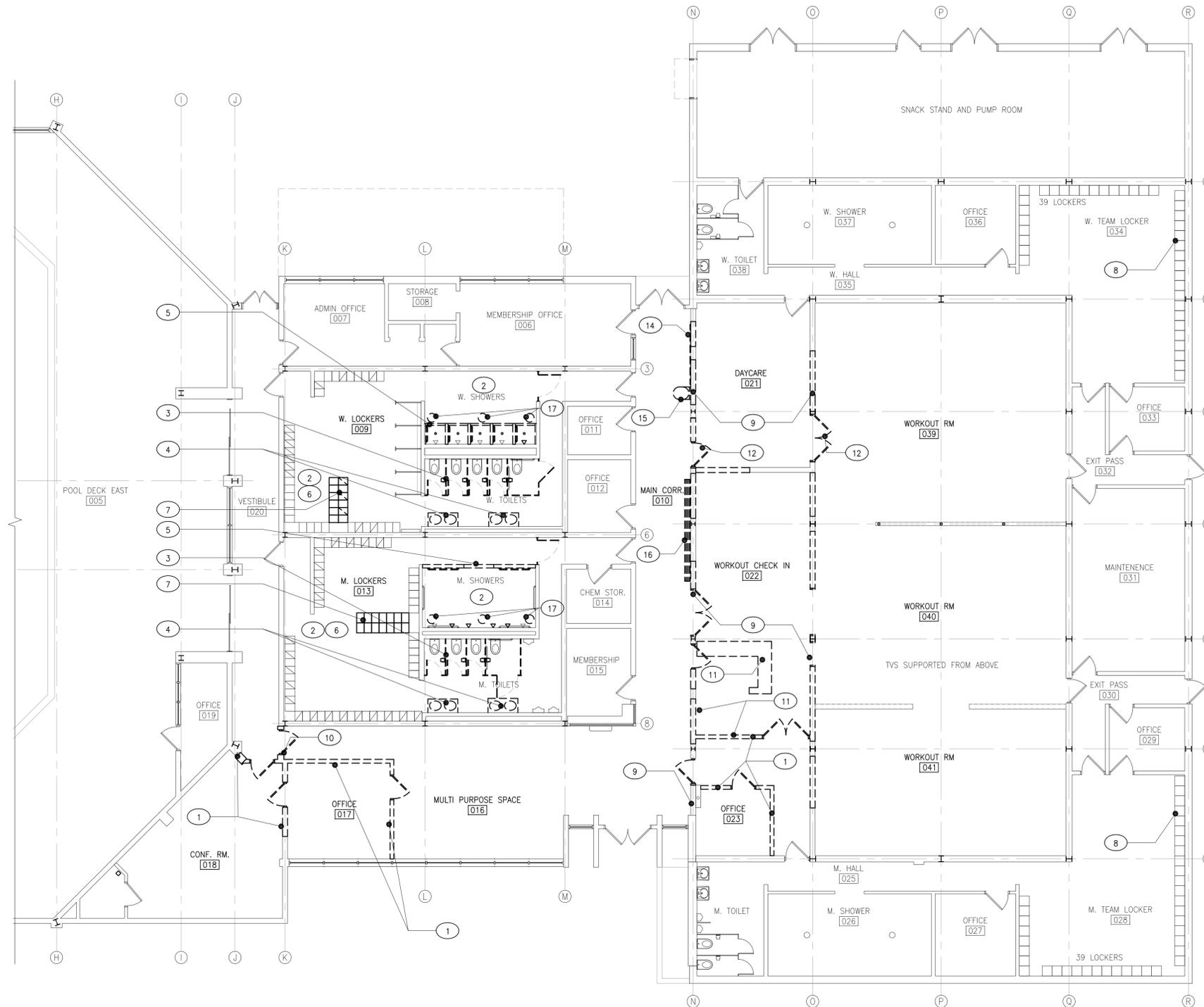
**GENERAL DEMOLITION NOTES:**

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2. DURING DEMOLITION, EXISTING FIRE DETECTORS SHALL ALWAYS REMAIN IN OPERATION.
3. WHERE EXISTING INTERIOR PIPING IS TO BE REMOVED THROUGH OR WITHIN EXISTING CONCRETE FLOOR SLAB, PATCH FLOOR WITH NEW CONCRETE TO LEVEL OF EXISTING ADJACENT FLOOR SLAB.
4. ALL SAFETY SYSTEMS SHALL BE MAINTAINED DURING DEMOLITION.
5. GENERAL CONTRACTOR IS TO COORDINATE WITH OWNER THE USE OF CRANES OR HOISTS, CONTRACTOR SHALL COORDINATE WITH CITY FOR ANY STREET CLOSINGS, CRANE PLACEMENTS, ETC. AND OBTAIN AND PAY FOR ANY RELATED PERMITS. ALL COSTS FOR USE OF CRANES SHALL BE INCLUDED IN THE BASE BID.
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9. SOME SELECTIVE EXISTING PIPING, CONDUIT & WRING WITHIN THE BUILDING IS TO BE DEMOLISHED. ALL SELECTIVE EXISTING ELECTRICAL PANELS, FEEDERS AND ALL BRANCH CIRCUITS SHALL BE DISCONNECTED AND REMOVED IN THEIR ENTIRETY.
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15. ROOM NUMBERS AND ROOM NAMES ON THE DEMOLITION PLAN MAY NOT CORRESPOND TO THE ROOM NUMBERS AND ROOM NAMES ON THE CONSTRUCTION PLAN.

**NOTE:**  
REFER TO SPECIFIC NUMBERED DEMOLITION NOTES ON DRAWINGS AD SERIES DRAWINGS

**DEMOLITION NOTES:**

- 1 EXISTING WALL AND DOOR WITH DOOR FRAME WITHIN WALL TO BE REMOVED.
- 2 EXISTING TILE FLOORING TO BE REMOVED
- 3 EXISTING TOILET PARTITIONS AND TOILET ACCESSORIES ATTACHED TO THE TOILET PARTITIONS TO BE REMOVED. EXISTING WATER CLOSETS AND URINAL TO REMAIN
- 4 EXISTING COUNTERTOPS AND SINKS TO BE REMOVED
- 5 EXISTING CURB TO BE REMOVED
- 6 EXISTING CEILING TO BE REMOVED
- 7 EXISTING LOCKERS TO BE REMOVED IN THE EXISTING WOMEN'S AND MEN'S LOCKER ROOMS.
- 8 EXISTING LOCKERS TO REMAIN IN THE EXISTING WOMEN'S AND MEN'S TEAM LOCKER ROOMS.
- 9 REMOVE PORTIONS OF WALLS. PROTECT EXISTING COLUMNS. LEAVE PORTION OF WALLS TO SUPPORT NEW LINTELS THAT REQUIRE 8" BEARING UPON THE REMAINING PORTION OF WALLS. COORDINATE WITH CONSTRUCTION AND STRUCTURAL DRAWINGS. PATCH REMAINING PORTION OF WALLS TO MAKE SQUARE AND FINISHED PER ARCHITECTURAL DRAWINGS. VIF.
- 10 REMOVE PORTION OF WALL WITH DOOR AND DOOR FRAME.
- 11 REMOVE AND PROTECT EXISTING MODULAR FURNITURE FROM DAMAGE. COORDINATE WITH OWNER TO DETERMINE WHERE TO RELOCATE.
- 12 REMOVE EXISTING DOOR AND DOOR FRAME
- 13 REMOVE ITEMS ALONG THE WALL INCLUDING FIRST AID CABINET, FILING CABINET, WALL MOUNTED FAN.
- 14 REMOVE BULLETON BOARD
- 15 REMOVE DRINKING FOUNTAIN, PATCH WALL TO MATCH EXISTING.
- 16 REMOVE COAT RACKS, PATCH WALL
- 17 REMOVE FLOOR DRAIN COVERS



**1 EXISTING FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

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401 Centennial Ave.  
Cranford, NJ 07016

SEPTEMBER 13, 2023

No.	Revision Description	Date
ISSUED FOR PERMIT		SEP. 13, 2023

Drawn by:  
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**125022.00**

**DEMOLITION FLOOR PLAN**



**AD101**

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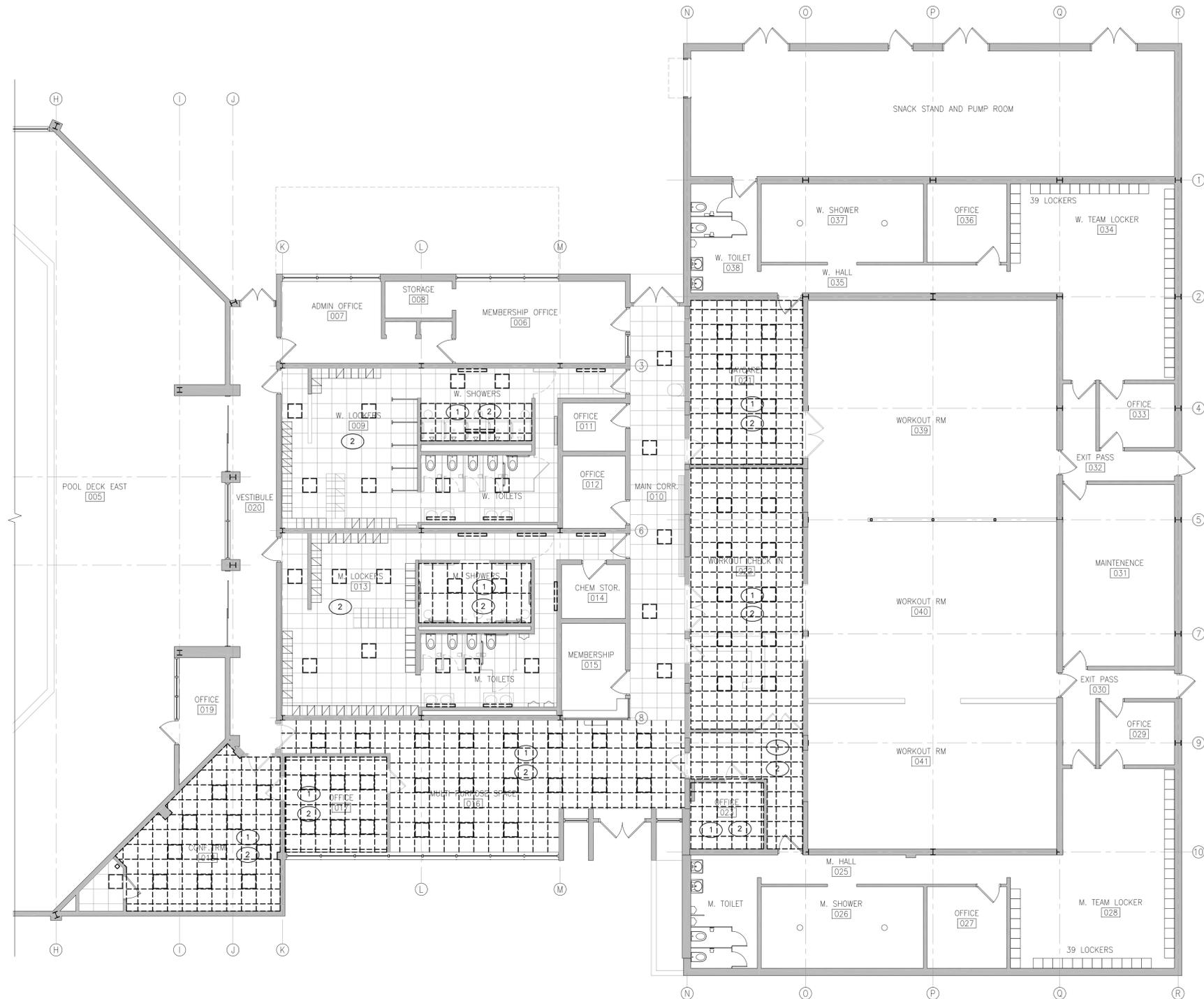
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**DEMOLITION NOTES:**

- 1 EXISTING CEILING TO BE REMOVED
- 2 EXISTING LIGHT FIXTURES TO BE REMOVED



**1 EXISTING REFLECTED CEILING PLAN**  
SCALE: 1/8" = 1'-0"

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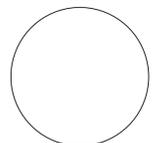
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**DEMOLITION REFLECTED CLG FLOOR PLAN**



**AD111**

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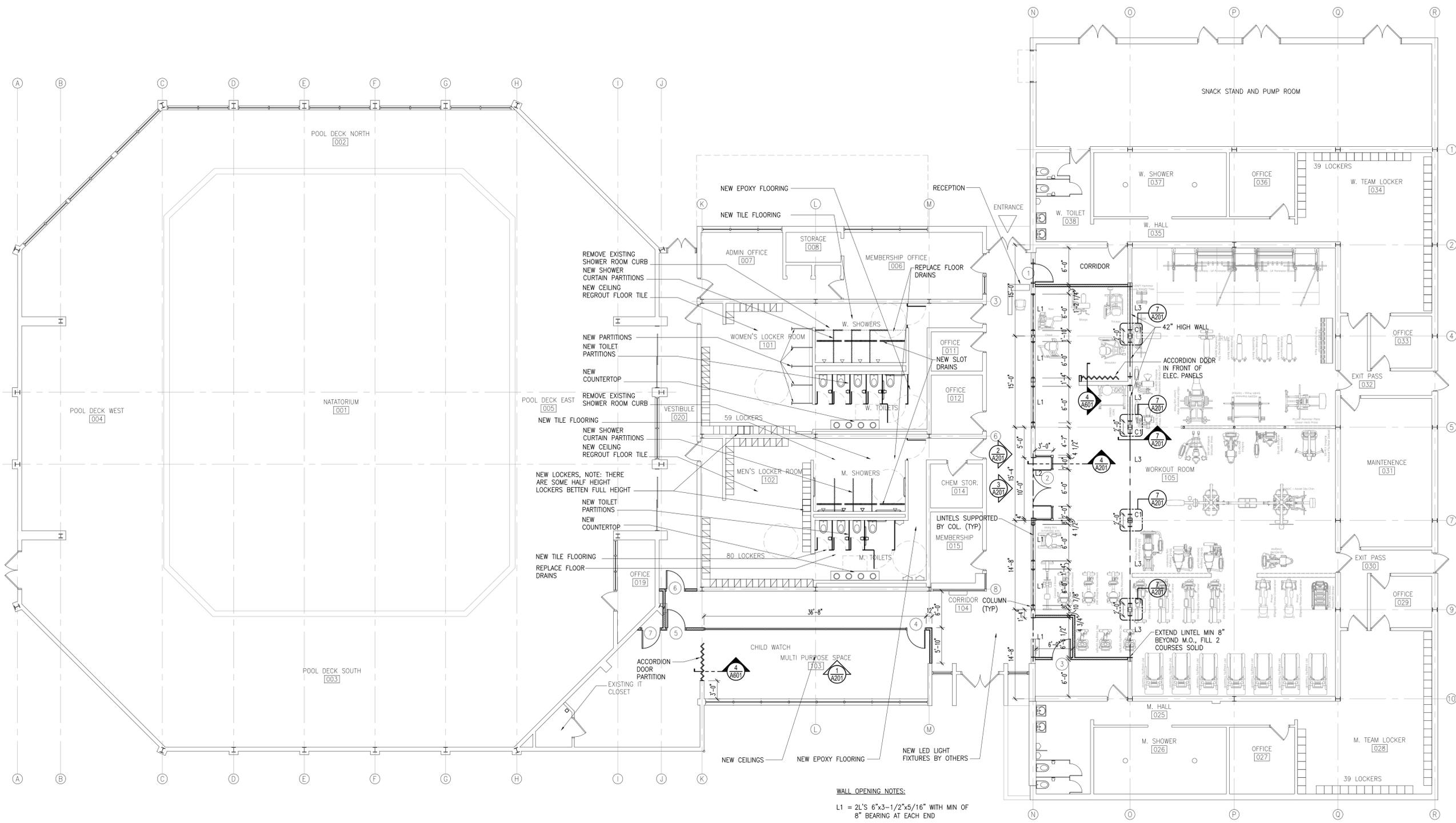
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FLOOR PLAN

**A101**



**WALL OPENING NOTES:**  
 L1 = 2L'S 6"x3-1/2"x5/16" WITH MIN OF 8" BEARING AT EACH END  
 L2 = 2L'S 7"x4"x3/8"  
 L3 = W8x24 + 7-1/2"x1/2" PLATE SUPPORTED BY COLUMN, WALL IS ABOUT 10'-0" ABOVE BEAM TO WINDOW ABOVE

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**1 FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"



LEGEND

- ACT-1 24"X 48" ARMSTRONG CERAMGUARD - HUMIGUARD MAX SQUARE LAY IN 1/8" - WHITE
- ACT-2 24"X36" ARMSTRONG OPTIMA SQUARE TEGULAR 1/8" - WHITE
- ACT-3 EXISTING CEILING TO REMAIN

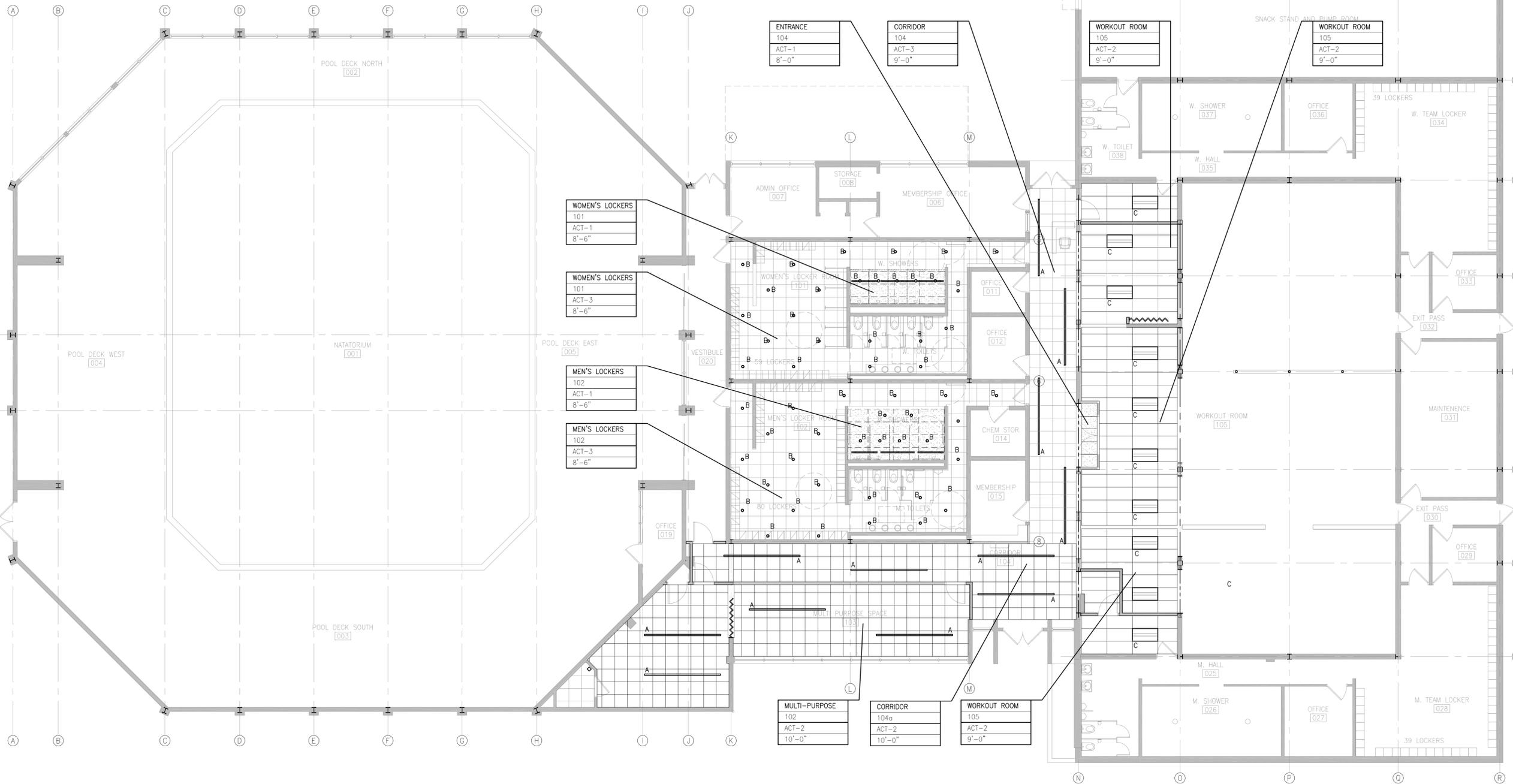
REFLECTED CEILING PLAN NOTES

1. CONTRACTOR TO REVIEW MECHANICAL DRAWINGS AND ARCHITECTURAL REFLECTED CEILING PLANS IN CONCERT. CONTRACTOR TO ADVISE OF ANY DISCREPANCIES PRIOR TO INSTALLATION AND ADVISE ARCHITECT. IF VARIATION BETWEEN ARCHITECTURAL LOCATIONS AND MECHANICAL PLANS EXISTS, ARCHITECTURAL PLANS TAKE PRECEDENCE.

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	SYMBOL	MANUFACTURER	DESCRIPTION AND MANUFACTURER'S CAT. NO.	REMARKS
A	—	FINELITE	12' HPX INDIRECT/DIRECT PENDANT HPX-P-ID-V-V-835-TG-F	
B	●	ALPHABET	4" ROUND RECESSED DOWNLIGHT N44RD-SW-20LM-40K-80CR	
C	—	FINELITE	2' X 4' LED HPR4-A-2X4-S	

NOTE:  
LIGHTING FIXTURES PROVIDED BY OTHERS



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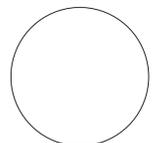
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**REFLECTED CEILING PLAN**

**1 REFLECTED CEILING PLAN**  
SCALE: 1/8" = 1'-0"



**A111**



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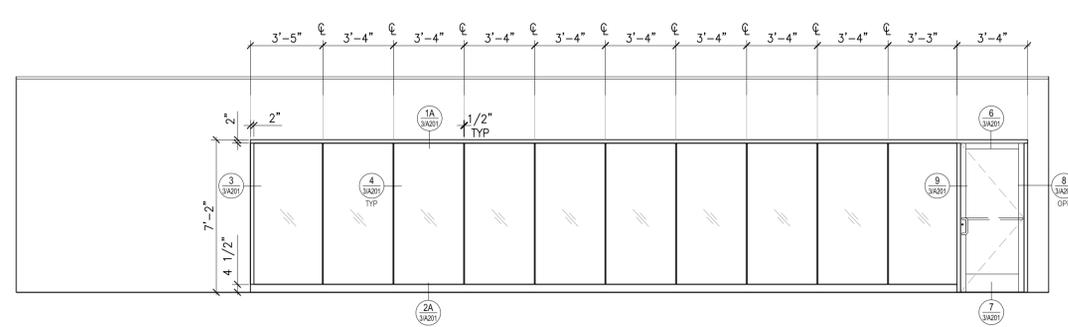
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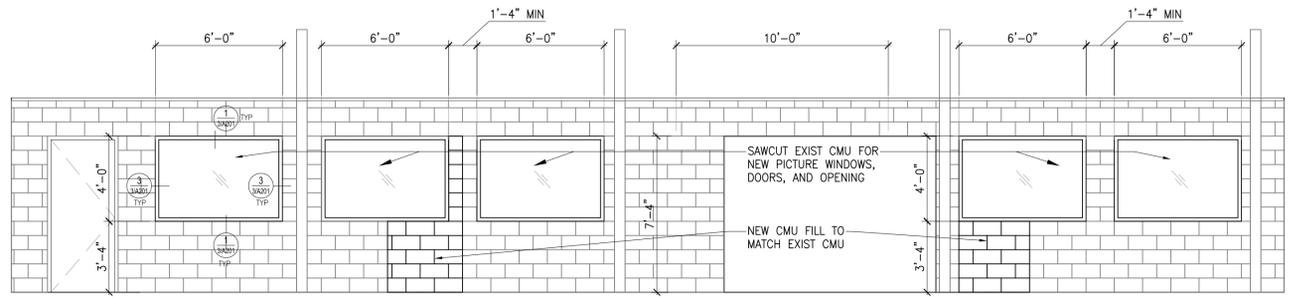
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**INTERIOR ELEVATIONS SECTIONS & DETAILS**

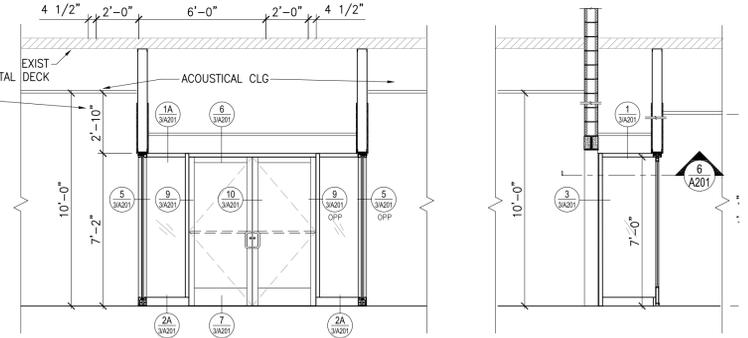
**A201**



**1 INTERIOR ELEVATION**  
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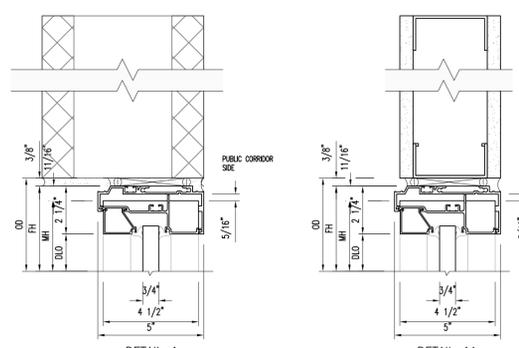


**2 INTERIOR ELEVATION**  
 SCALE: 1/4" = 1'-0"

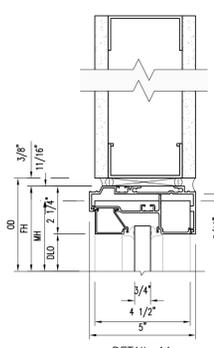


**4 INTERIOR ELEVATION**  
 SCALE: 1/4" = 1'-0"

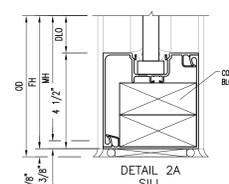
**5 INTERIOR SECTION**  
 SCALE: 1/4" = 1'-0"



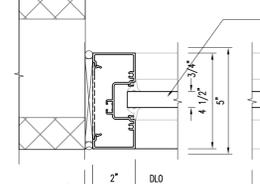
DETAIL 1 HEAD



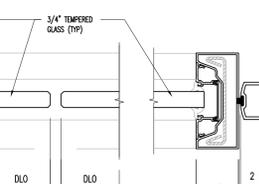
DETAIL 1A HEAD



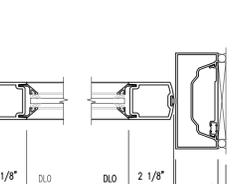
DETAIL 2A SILL



DETAIL 3 JAMB



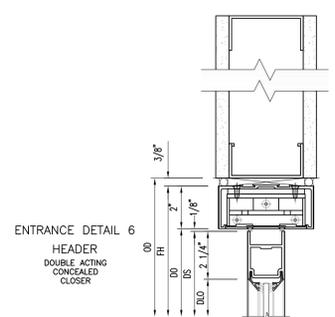
DETAIL 4 STANDARD VERTICAL MULLION



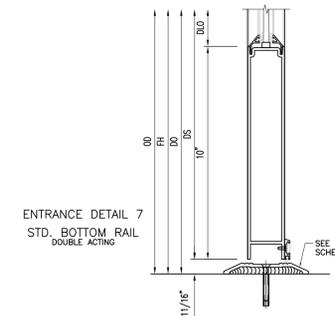
ENTRANCE DETAIL 9 LEFT SIDE DOOR JAMB



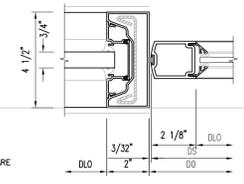
ENTRANCE DETAIL 8 DOUBLE ACTING DOOR JAMB



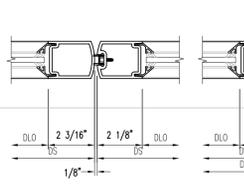
ENTRANCE DETAIL 6 HEADER DOUBLE ACTING CONCEALED CLOSER



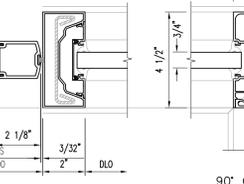
ENTRANCE DETAIL 7 STD. BOTTOM RAIL DOUBLE ACTING



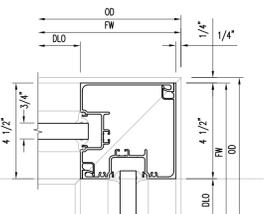
ENTRANCE DETAIL 9 LEFT SIDE DOOR JAMB DOUBLE ACTING WITH SIDELITE (3/4" INFILL)



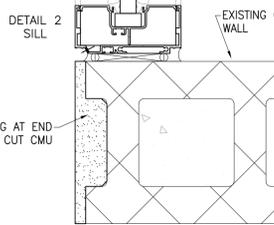
ENTRANCE DETAIL 10 MEETING STILE



ENTRANCE DETAIL 9 (OPP) RIGHT SIDE DOOR JAMB DOUBLE ACTING WITH SIDELITE (3/4" INFILL)



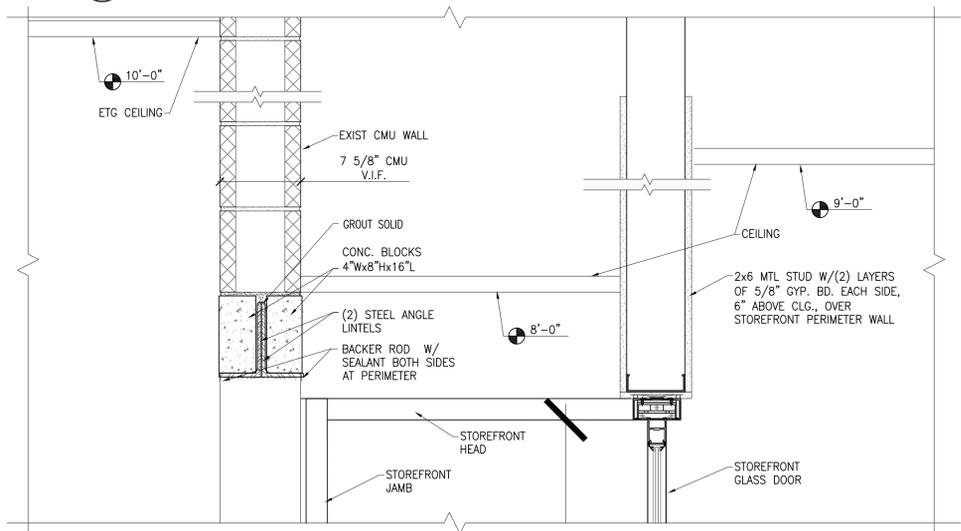
DETAIL 5 90° OUTSIDE CORNER TWO POCKETS



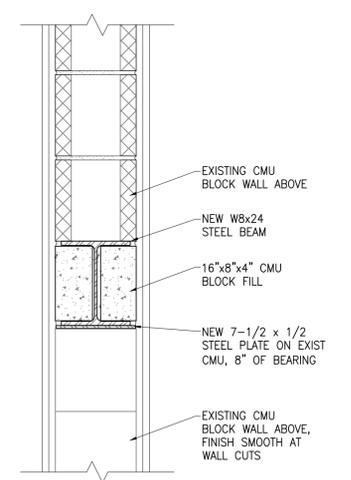
DETAIL 2 SILL

**STOREFRONT BASIS OF DESIGN:**  
 KAWNEER TRIFAB VC 451 FRAMING SYSTEM  
 CENTER SET - STICK ASSEMBLY - OUTSIDE GLAZED STANDARD RECEPTOR (3/4" INFILL)

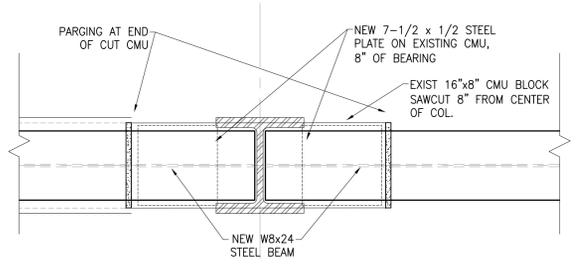
**3 STOREFRONT DETAILS**  
 SCALE: 3" = 1'-0"



**6 STOREFRONT ENLARGED SECTION**  
 SCALE: 1-1/2" = 1'-0"



**7 LINTEL ENLARGED SECTION**  
 SCALE: 1-1/2" = 1'-0"



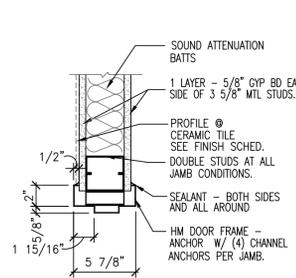
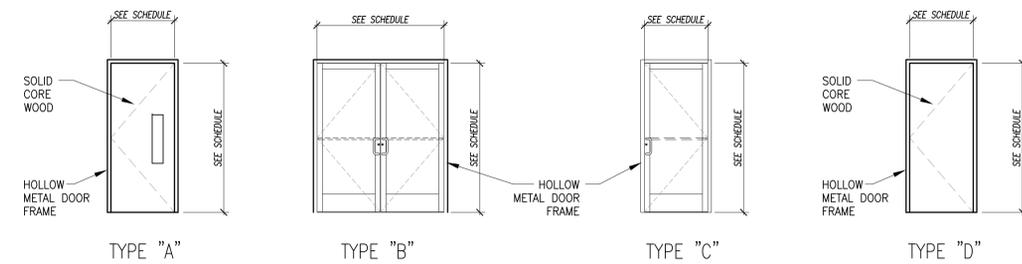
**8 ENLARGED PLAN OF COLUMN & IINTEL**  
 SCALE: 1-1/2" = 1'-0"



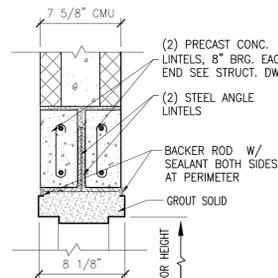
ORIGINAL  
 IF IT IS RED IT IS AN ORIGINAL

DOOR SCHEDULE										
Number	TYPE	DOOR			FRAME					NOTES
		WD	HGT	THK	MATL	MATL	HEAD	JAMB	SADDLE	
1	A	3'-0"	7'-2"	1 3/4"	HM	HM	2/A601	3/A601		W/ CLOSER
2	B	6'-0"	7'-0"	1 1/4"	ALUMN.	ALUMN.	6/3/A201	8/3/A201		--
3	A	3'-0"	7'-0"	1 3/4"	HM	HM	1/A601	1/A601		W/ CLOSER
4	C	3'-0"	7'-0"	1 1/4"	ALUM	ALUM	6/3/A201	8/3/A201		--
5	A	3'-0"	7'-0"	1 3/4"	HM	HM	1/A601	1/A601		--
6	A	3'-0"	7'-0"	1 3/4"	HM	HM	1/A601	1/A601		W/ CLOSER
7	D	3'-0"	7'-0"	1 3/4"	HM	HM	1/A601	1/A601		--

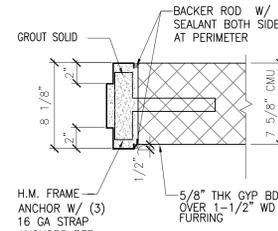
**DOOR TYPES:**



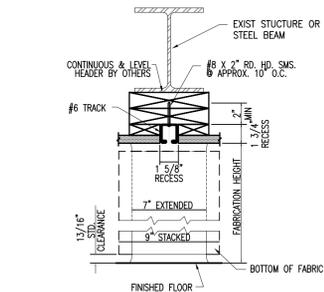
**1 HEAD/JAMB DETAIL**  
SCALE: 1 1/2" = 1'-0"



**2 HEAD DETAIL**  
SCALE: 1 1/2" = 1'-0"



**3 JAMB DETAIL**  
SCALE: 1 1/2" = 1'-0"

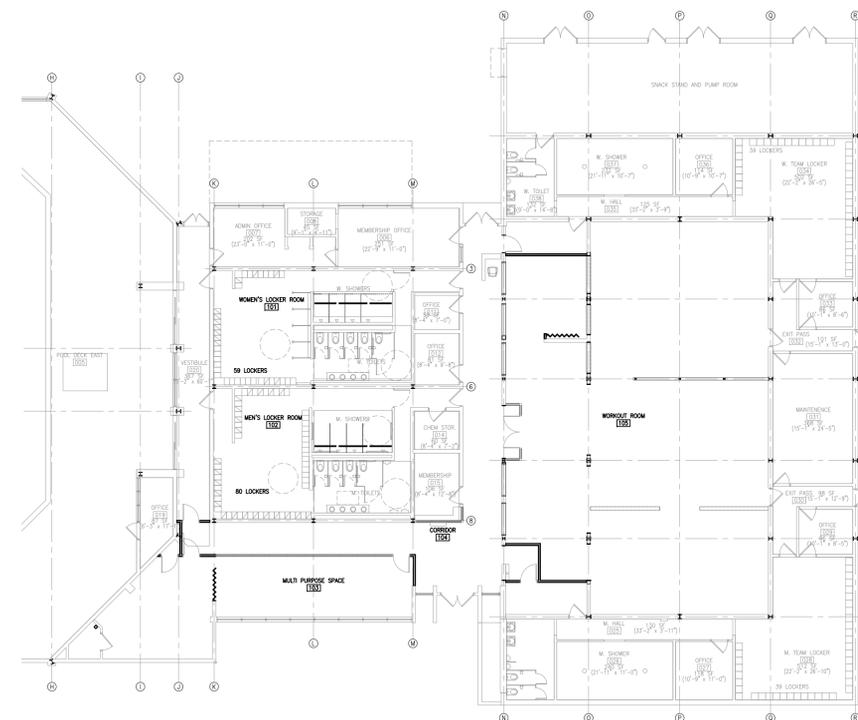


**4 ACCORDION DOOR DETAIL**  
SCALE: 1 1/2" = 1'-0"

**ACCORDION DOOR NOTE:**

DOOR BY MODERNFOLD MODEL# 8M,  
SIZE: 8'-6" L x 8'-0" H  
STACK WIDTH: 9"  
STACK DEPTH: 2-1/8"  
FRAME: ALL STEEL  
HINGE TYPE: STEEL  
WEIGHT: 4-1/4 LB/SQ.FT  
MANUAL OPERATION

FINISH SCHEDULE						
ROOM NO.	ROOM NAME	FLOOR	BASE	WALL	CEILING	REMARKS
101	WOMEN'S LOCKER ROOM	EPOXY	EPOXY	PTD.	EXTG.	PREPARE SUBSTRATES IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS
102	MEN'S LOCKER ROOM	EPOXY	EPOXY	PTD.	EXTG.	PREPARE SUBSTRATES IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS
103	MULTI PURPOSE SPACE	EPOXY	VINYL	PTD.	EXTG.	PREPARE SUBSTRATES IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS
104	CORRIDOR	EPOXY	VINYL	PTD.	EXTG.	PREPARE SUBSTRATES IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS
105	WORKOUT ROOM	RUBBER SPORTS FLOORING	VINYL	PTD.	EXTG. PTD.	PREPARE SUBSTRATES IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS



**5 FINISH FLOOR PLAN**  
SCALE: 1/16" = 1'-0"

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 CT. 09009 PA. B 6580  
 Noel S. Musial, II, A.I.A.  
 N.J. 21A102068500

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**Proposed  
Westfield Area  
YMCA &  
Township of  
Cranford  
Fitness Facility  
Collaboration**

401 Centennial Ave.  
Cranford, NJ 07016

SEPTEMBER 13, 2023

No.	Revision Description	Date
ISSUED FOR PERMIT		SEP. 13, 2023

Drawn by:  
Checked by:

**125022.00**

**DOOR SCHEDULE  
& DETAILS,  
FINISH FLOOR  
PLAN**

**A601**

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**DEMOLITION NOTES:**

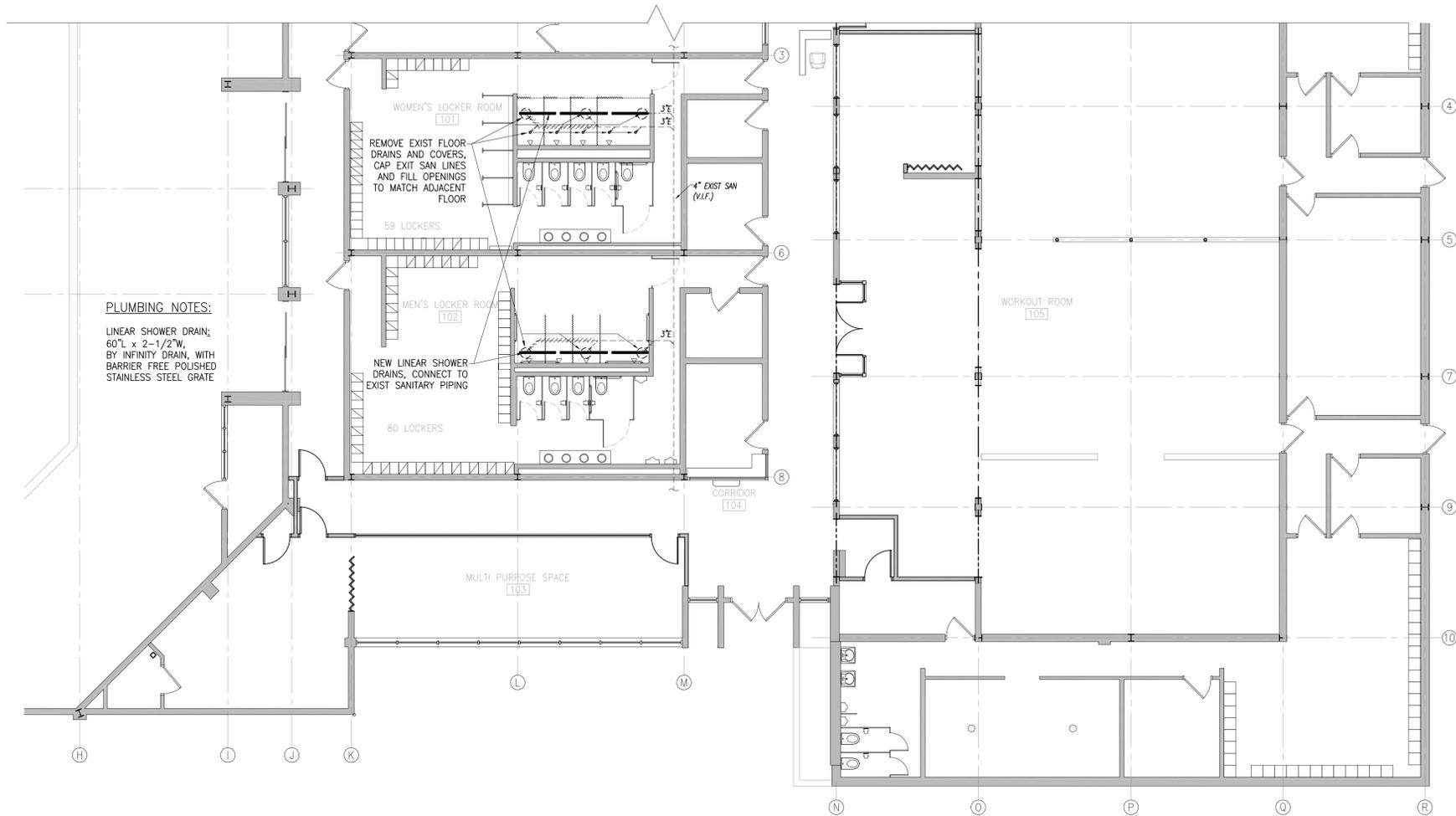
1. PATCH ALL WALL, FLOOR, AND ROOF OPENINGS AS NECESSARY DUE TO PIPING, DUCTWORK OR EQUIPMENT REMOVALS TO MATCH EXISTING ADJACENT CONSTRUCTION.
2. REMOVED EQUIPMENT AND MATERIALS, THAT THE OWNER WANTS TO KEEP, SHALL BE DELIVERED BY THE CONTRACTOR TO AN ON-SITE STORAGE LOCATION DESIGNATED BY THE OWNER.
3. REMOVED EQUIPMENT AND MATERIALS NOT WANTED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM THE SITE.

**DEMOLITION LEGEND:**

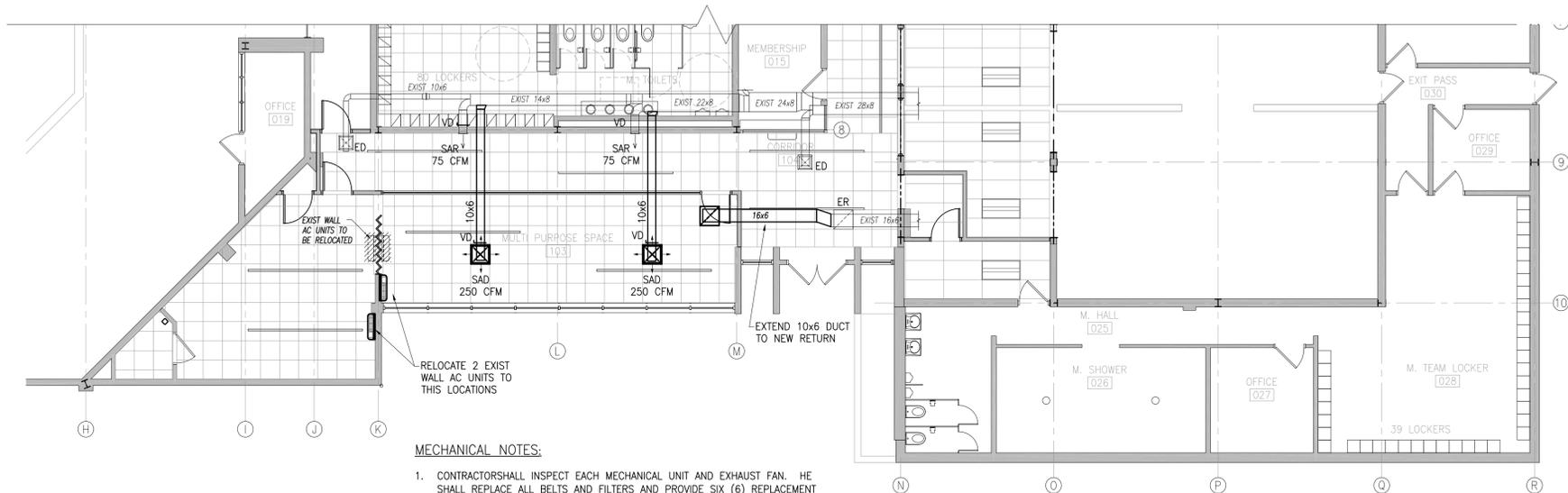
-  REMOVE EXISTING PIPING
-  REMOVE EXISTING EQUIPMENT
-  EXISTING EQUIPMENT / PIPING TO REMAIN

**PLUMBING NOTES:**

LINEAR SHOWER DRAIN:  
60" L x 2-1/2" W,  
BY INFINITY DRAIN, WITH  
BARRIER FREE POLISHED  
STAINLESS STEEL GRATE



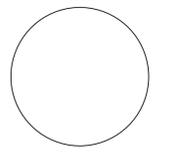
**1 PLUMBING FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



**MECHANICAL NOTES:**

1. CONTRACTOR SHALL INSPECT EACH MECHANICAL UNIT AND EXHAUST FAN. HE SHALL REPLACE ALL BELTS AND FILTERS AND PROVIDE SIX (6) REPLACEMENT FILTERS AND BELTS OF EACH TYPE TO THE OWNER FOR FUTURE MAINTENANCE. HE SHALL HIRE A BALANCING COMPANY TO BALANCE THE EXISTING SYSTEM AND PROVIDE A BALANCING REPORT TO THE OWNER AND ALONG WITH RECOMMENDATIONS FOR FUTURE SERVICING OF EACH UNIT. REVIEW EACH THERMOSTAT AND BE CERTAIN IT IS OPERATIONAL. REPLACE IF NOT OPERATIONAL. CLEAN ALL DIFFUSERS AND REGISTERS OF DIRT OR REPLACE IN KIND.
2. EXTEND DUCT WORK INTO NEW CHILD WATCH / MULTI-PURPOSE SPACE.

**2 MECHANICAL FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



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Cranford, NJ 07016

SEPTEMBER 13, 2023

No.	Revision Description	Date
ISSUED FOR PERMIT		SEP. 13, 2023

Drawn by:  
Checked by:

**125022.00**

**PART PLUMBING & MECHANICAL FLOOR PLAN**

**PM101**



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