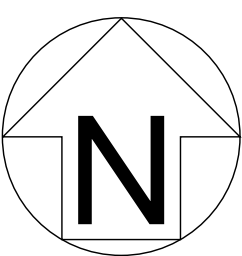
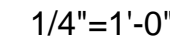
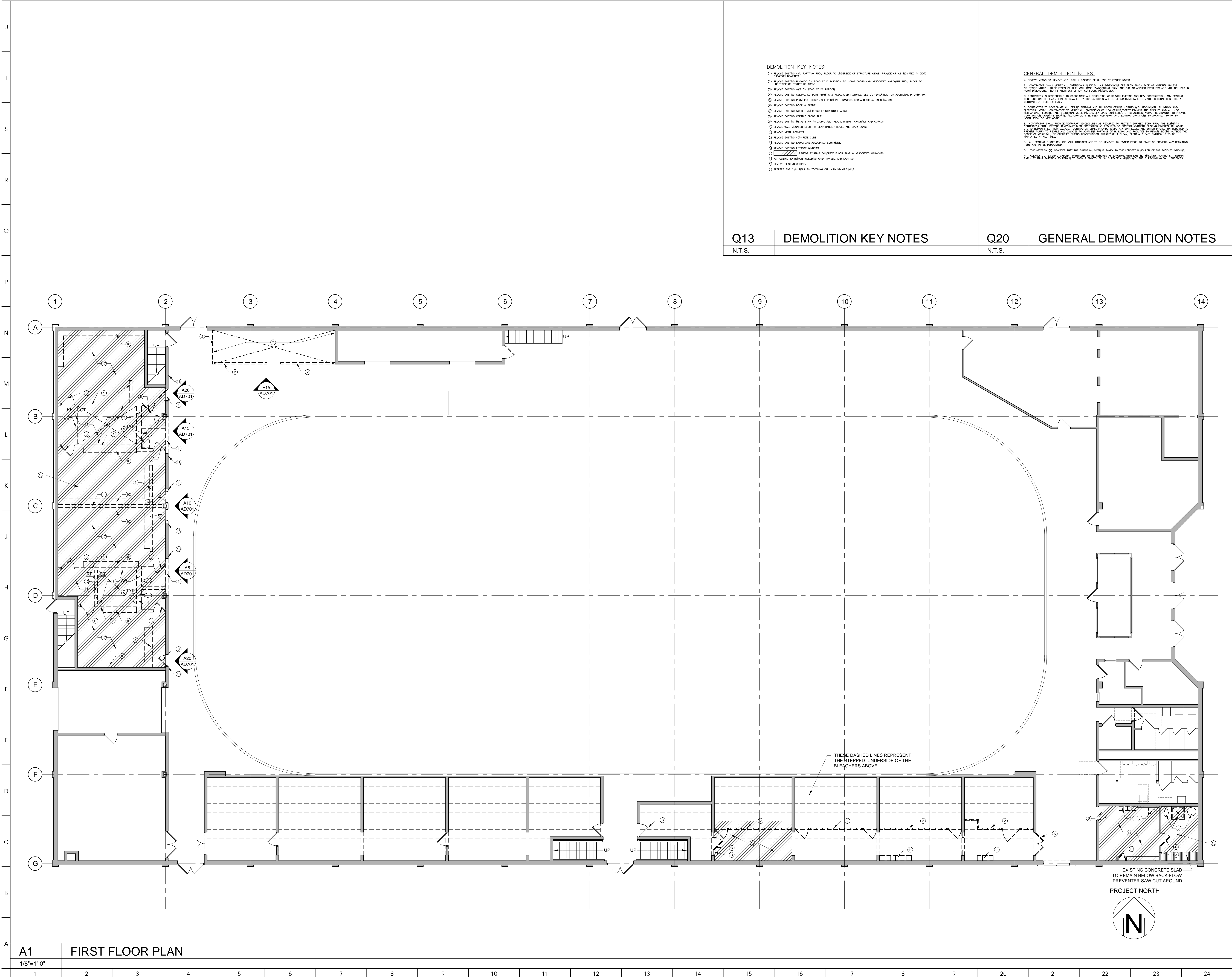


SKATUM LOCKER ROOM
RENOVATIONS
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

REVISION	DATE
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RAWING NO:
G-002
$$1/8'' = 1'-0''$$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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BKP

ARCHITECT:

BKP ARCHITECTS P.C.

1525 LOCUST STREET

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SUITE 1655

PHILADELPHIA, PA

CLIENT:

HAVERFORD TOWNSHIP

DELAWARE COUNTY

1014 DARBY ROAD

HAVERTOWN, PA 19083-2551

SKATIUM LOCKER ROOM

RENOVATIONS

1002 DARBY ROAD #3616

HAVERTOWN, PENNSYLVANIA 19083

THIS DRAWING IS TO ILLUSTRATE THE WORK TO BE DONE. THE ARCHITECT IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES USED TO DO THE WORK OR THE SAFETY ASPECTS OF CONSTRUCTION AND NOTHING ON THIS DRAWING EXPRESSED OR IMPLIED CHANGES THIS CONDITION. CONTRACTOR SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS AN ACKNOWLEDGEMENT OF THESE RESPONSIBILITIES AND THAT THEY HAVE BEEN FULLY CONSIDERED IN PLANNING OF THE WORK AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.

SEAL:

DATE: SEPTEMBER 19, 2024	
PROJECT NO: 2024-02	
DRAWN BY: SJZ	
CHECKED BY: JHP	
SUBMISSION DATE: 8/19/2024	
PERMIT SET DATE: 9/19/2024	
BID SET DATE: 9/19/2024	
REVISION	DATE

DRAWING TITLE:

FIRST FLOOR


DEMOLITION

PLAN

DRAWING NO:

AD-101

A		B		1		2		<table><tr><th rowspan="2">DOOR NO.</th><th colspan="2">LOCATION</th><th rowspan="2">TYPE</th><th rowspan="2">RATING</th><th rowspan="2">MATERIAL</th><th colspan="3">DOOR</th><th colspan="2">FRAME</th><th rowspan="2">HEAD/JAMB</th><th rowspan="2">HARDWARE</th><th rowspan="2">NOTES</th><th rowspan="2">DOOR NO.</th></tr><tr><th>FROM</th><th>TO</th><th>FINISH</th><th>WIDTH</th><th>HEIGHT</th><th>THICKNESS</th><th>MATERIAL</th><th>FINISH</th><th>TYPE</th></tr><tr><td>100A.1</td><td>RINK 100</td><td>STORAGE 100A</td><td>B</td><td>--</td><td>HOLLOW METAL</td><td>PAINTED</td><td>6'-0"</td><td>3'-3 3/4"±</td><td>0'-1 3/4"</td><td>HOLLOW METAL</td><td>PAINTED</td><td>2</td><td>K10/A-101,Q1/A-201 SIMILAR</td><td>SEE HARDWARE SCHEDULE</td><td>DOOR AND FRAME SIZED TO FIT UNDER EXISTING STEPPED SEATING TIERS</td><td>100A.1</td></tr><tr><td>101.1</td><td>RINK 100</td><td>LOCKER ROOM 101</td><td>A</td><td>--</td><td>HOLLOW METAL</td><td>PAINTED</td><td>3'-0"</td><td>7'-0"</td><td>0'-1 3/4"</td><td>HOLLOW METAL</td><td>PAINTED</td><td>1</td><td>K10/A-101, K5/A-101</td><td>SEE HARDWARE SCHEDULE</td><td></td><td>101.1</td></tr><tr><td>102.1</td><td>RINK 100</td><td>LOCKER ROOM 102</td><td>A</td><td>--</td><td>HOLLOW METAL</td><td>PAINTED</td><td>3'-0"</td><td>7'-0"</td><td>0'-1 3/4"</td><td>HOLLOW METAL</td><td>PAINTED</td><td>1</td><td>K10/A-101, K5/A-101</td><td>SEE HARDWARE SCHEDULE</td><td></td><td>102.1</td></tr><tr><td>103.1</td><td>RINK 100</td><td>LOCKER ROOM 103</td><td>A</td><td>--</td><td>HOLLOW METAL</td><td>PAINTED</td><td>3'-0"</td><td>7'-0"</td><td>0'-1 3/4"</td><td>HOLLOW METAL</td><td>PAINTED</td><td>1</td><td>K10/A-101, K5/A-101</td><td>SEE HARDWARE SCHEDULE</td><td></td><td>103.1</td></tr><tr><td>104.1</td><td>RINK 100</td><td>LOCKER ROOM 104</td><td>A</td><td>--</td><td>HOLLOW METAL</td><td>PAINTED</td><td>3'-0"</td><td>7'-0"</td><td>0'-1 3/4"</td><td>HOLLOW METAL</td><td>PAINTED</td><td>1</td><td>K10/A-101, K5/A-101</td><td>SEE HARDWARE SCHEDULE</td><td></td><td>104.1</td></tr><tr><td>107.1</td><td>RINK 100</td><td>CHANGE RM #1 107</td><td>A</td><td>--</td><td>HOLLOW METAL</td><td>PAINTED</td><td>3'-0"</td><td>7'-0"</td><td>0'-1 3/4"</td><td>HOLLOW METAL</td><td>PAINTED</td><td>1</td><td>K10/A-101, K5/A-101</td><td>SEE HARDWARE SCHEDULE</td><td></td><td>107.1</td></tr><tr><td>108.1</td><td>RINK 100</td><td>CHANGE RM #2 108</td><td>A</td><td>--</td><td>HOLLOW METAL</td><td>PAINTED</td><td>3'-0"</td><td>7'-0"</td><td>0'-1 3/4"</td><td>HOLLOW METAL</td><td>PAINTED</td><td>1</td><td>K10/A-101, K5/A-101</td><td>SEE HARDWARE SCHEDULE</td><td></td><td>108.1</td></tr><tr><td>119.1</td><td>VESTIBULE 119D</td><td>FIGURE SKATERS 119</td><td>A</td><td>--</td><td>HOLLOW METAL</td><td>PAINTED</td><td>3'-0"</td><td>7'-0"</td><td>0'-1 3/4"</td><td>HOLLOW METAL</td><td>PAINTED</td><td>1</td><td>K10/A-101, K5/A-101</td><td>SEE HARDWARE SCHEDULE</td><td></td><td>119.1</td></tr><tr><td>119.2</td><td>RINK 100</td><td>FIGURE SKATERS 119</td><td>A</td><td>--</td><td>HOLLOW METAL</td><td>PAINTED</td><td>3'-0"</td><td>7'-0"</td><td>0'-1 3/4"</td><td>HOLLOW METAL</td><td>PAINTED</td><td>1</td><td>K10/A-101, K5/A-101</td><td>SEE HARDWARE SCHEDULE</td><td></td><td>119.2</td></tr><tr><td>119A.1</td><td>FIGURE SKATERS 119</td><td>STORAGE 119A</td><td>A</td><td>--</td><td>HOLLOW METAL</td><td>PAINTED</td><td>2'-6"</td><td>5'-10 1/4"±</td><td>0'-1 3/4"</td><td>HOLLOW METAL</td><td>PAINTED</td><td>2</td><td>K10/A-101,Q1/A-201</td><td>SEE HARDWARE SCHEDULE</td><td>DOOR AND FRAME SIZED TO FIT UNDER EXISTING STEPPED SEATING TIERS</td><td>119A.1</td></tr><tr><td>119B.1</td><td>FIGURE SKATERS 119</td><td>STORAGE 119B</td><td>A</td><td>--</td><td>HOLLOW METAL</td><td>PAINTED</td><td>2'-6"</td><td>5'-10 1/4"±</td><td>0'-1 3/4"</td><td>HOLLOW METAL</td><td>PAINTED</td><td>2</td><td>K10/A-101,Q1/A-201</td><td>SEE HARDWARE SCHEDULE</td><td>DOOR AND FRAME SIZED TO FIT UNDER EXISTING STEPPED SEATING TIERS</td><td>119B.1</td></tr><tr><td>119C.1</td><td>VESTIBULE 119D</td><td>STORAGE 119C</td><td>A</td><td>--</td><td>HOLLOW METAL</td><td>PAINTED</td><td>2'-6"</td><td>5'-10 1/4"±</td><td>0'-1 3/4"</td><td>HOLLOW METAL</td><td>PAINTED</td><td>2</td><td>K10/A-101,Q1/A-201</td><td>SEE HARDWARE SCHEDULE</td><td>DOOR AND FRAME SIZED TO FIT UNDER EXISTING STEPPED SEATING TIERS</td><td>119C.1</td></tr></table>																DOOR NO.	LOCATION		TYPE	RATING	MATERIAL	DOOR			FRAME		HEAD/JAMB	HARDWARE	NOTES	DOOR NO.	FROM	TO	FINISH	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	TYPE	100A.1	RINK 100	STORAGE 100A	B	--	HOLLOW METAL	PAINTED	6'-0"	3'-3 3/4"±	0'-1 3/4"	HOLLOW METAL	PAINTED	2	K10/A-101,Q1/A-201 SIMILAR	SEE HARDWARE SCHEDULE	DOOR AND FRAME SIZED TO FIT UNDER EXISTING STEPPED SEATING TIERS	100A.1	101.1	RINK 100	LOCKER ROOM 101	A	--	HOLLOW METAL	PAINTED	3'-0"	7'-0"	0'-1 3/4"	HOLLOW METAL	PAINTED	1	K10/A-101, K5/A-101	SEE HARDWARE SCHEDULE		101.1	102.1	RINK 100	LOCKER ROOM 102	A	--	HOLLOW METAL	PAINTED	3'-0"	7'-0"	0'-1 3/4"	HOLLOW METAL	PAINTED	1	K10/A-101, K5/A-101	SEE HARDWARE SCHEDULE		102.1	103.1	RINK 100	LOCKER ROOM 103	A	--	HOLLOW METAL	PAINTED	3'-0"	7'-0"	0'-1 3/4"	HOLLOW METAL	PAINTED	1	K10/A-101, K5/A-101	SEE HARDWARE SCHEDULE		103.1	104.1	RINK 100	LOCKER ROOM 104	A	--	HOLLOW METAL	PAINTED	3'-0"	7'-0"	0'-1 3/4"	HOLLOW METAL	PAINTED	1	K10/A-101, K5/A-101	SEE HARDWARE SCHEDULE		104.1	107.1	RINK 100	CHANGE RM #1 107	A	--	HOLLOW METAL	PAINTED	3'-0"	7'-0"	0'-1 3/4"	HOLLOW METAL	PAINTED	1	K10/A-101, K5/A-101	SEE HARDWARE SCHEDULE		107.1	108.1	RINK 100	CHANGE RM #2 108	A	--	HOLLOW METAL	PAINTED	3'-0"	7'-0"	0'-1 3/4"	HOLLOW METAL	PAINTED	1	K10/A-101, K5/A-101	SEE HARDWARE SCHEDULE		108.1	119.1	VESTIBULE 119D	FIGURE SKATERS 119	A	--	HOLLOW METAL	PAINTED	3'-0"	7'-0"	0'-1 3/4"	HOLLOW METAL	PAINTED	1	K10/A-101, K5/A-101	SEE HARDWARE SCHEDULE		119.1	119.2	RINK 100	FIGURE SKATERS 119	A	--	HOLLOW METAL	PAINTED	3'-0"	7'-0"	0'-1 3/4"	HOLLOW METAL	PAINTED	1	K10/A-101, K5/A-101	SEE HARDWARE SCHEDULE		119.2	119A.1	FIGURE SKATERS 119	STORAGE 119A	A	--	HOLLOW METAL	PAINTED	2'-6"	5'-10 1/4"±	0'-1 3/4"	HOLLOW METAL	PAINTED	2	K10/A-101,Q1/A-201	SEE HARDWARE SCHEDULE	DOOR AND FRAME SIZED TO FIT UNDER EXISTING STEPPED SEATING TIERS	119A.1	119B.1	FIGURE SKATERS 119	STORAGE 119B	A	--	HOLLOW METAL	PAINTED	2'-6"	5'-10 1/4"±	0'-1 3/4"	HOLLOW METAL	PAINTED	2	K10/A-101,Q1/A-201	SEE HARDWARE SCHEDULE	DOOR AND FRAME SIZED TO FIT UNDER EXISTING STEPPED SEATING TIERS	119B.1	119C.1	VESTIBULE 119D	STORAGE 119C	A	--	HOLLOW METAL	PAINTED	2'-6"	5'-10 1/4"±	0'-1 3/4"	HOLLOW METAL	PAINTED	2	K10/A-101,Q1/A-201	SEE HARDWARE SCHEDULE	DOOR AND FRAME SIZED TO FIT UNDER EXISTING STEPPED SEATING TIERS	119C.1
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101.1	RINK 100	LOCKER ROOM 101	A	--	HOLLOW METAL	PAINTED	3'-0"	7'-0"	0'-1 3/4"	HOLLOW METAL	PAINTED	1	K10/A-101, K5/A-101	SEE HARDWARE SCHEDULE		101.1																																																																																																																																																																																																																																											
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119.2	RINK 100	FIGURE SKATERS 119	A	--	HOLLOW METAL	PAINTED	3'-0"	7'-0"	0'-1 3/4"	HOLLOW METAL	PAINTED	1	K10/A-101, K5/A-101	SEE HARDWARE SCHEDULE		119.2																																																																																																																																																																																																																																											
119A.1	FIGURE SKATERS 119	STORAGE 119A	A	--	HOLLOW METAL	PAINTED	2'-6"	5'-10 1/4"±	0'-1 3/4"	HOLLOW METAL	PAINTED	2	K10/A-101,Q1/A-201	SEE HARDWARE SCHEDULE	DOOR AND FRAME SIZED TO FIT UNDER EXISTING STEPPED SEATING TIERS	119A.1																																																																																																																																																																																																																																											
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<table><tr><th colspan="2">HARDWARE SCHEDULE</th></tr><tr><th>ROOM</th><th>DOOR NUMBER</th></tr><tr><th></th><th>100A.2 119.1 119A.1 119B.1 119C.1 119.2</th></tr><tr><td>CONTINUOUS HINGE</td><td>X(2) X X X X X</td></tr><tr><td>MORTISE LOCKSET</td><td>X X X X X X</td></tr><tr><td>MORTISE AUXILIARY LOCK</td><td>X X X X X X</td></tr><tr><td>SURFACE BOLTS (1 PAIR)</td><td>X X X X X X</td></tr><tr><td>LOCK CYLINDER</td><td>X X X X X X</td></tr><tr><td>PUSH PLATE</td><td>X X X X X X</td></tr><tr><td>PULL</td><td>X X X X X X</td></tr><tr><td>CLOSER</td><td>X X X X X X</td></tr><tr><td>WALL STOP</td><td>X X X X X X</td></tr><tr><td>KICKPLATE</td><td>X X X X X X</td></tr></table>				HARDWARE SCHEDULE		ROOM	DOOR NUMBER		100A.2 119.1 119A.1 119B.1 119C.1 119.2	CONTINUOUS HINGE	X(2) X X X X X	MORTISE LOCKSET	X X X X X X	MORTISE AUXILIARY LOCK	X X X X X X	SURFACE BOLTS (1 PAIR)	X X X X X X	LOCK CYLINDER	X X X X X X	PUSH PLATE	X X X X X X	PULL	X X X X X X	CLOSER	X X X X X X	WALL STOP	X X X X X X	KICKPLATE	X X X X X X																																																																																																																																																																																																																														
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K1	HARDWARE SCHEDULE			K5	DETAIL - DOOR HEAD			K10	DETAIL - DOOR JAMB			K15	ELEVATION OF CHANGE ROOM			K20	SECTION THRU CHANGE ROOM																																																																																																																																																																																																																																										
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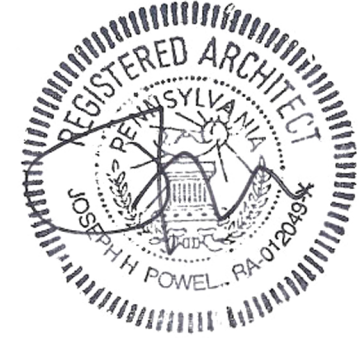
CLIENT:

HAVERFORD TOWNSHIP
DELAWARE COUNTY
1014 DARBY ROAD
HAVERTOWN, PA 19083-2551

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1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

THIS DRAWING IS TO ILLUSTRATE THE WORK TO BE DONE. THE ARCHITECT IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES USED TO DO THE WORK OR THE SAFETY ASPECTS OF CONSTRUCTION (AND NOTHING ON THIS DRAWING EXPRESSED OR IMPLIED CHANGES THIS CONDITION). CONTRACTOR SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS AN ACKNOWLEDGEMENT OF THESE RESPONSIBILITIES AND THAT THEY HAVE BEEN FULLY CONSIDERED IN PLANNING OF THE WORK AND THE BID PRICE INCLUDES FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.

SEAL:



DATE: SEPTEMBER 19, 2024

PROJECT NO: 2024-02

DRAWN BY: SJZ

CHECKED BY: JHP

SUBMISSION: DATE

PERMIT SET: 8/19/2024

BID SET: 9/19/2024

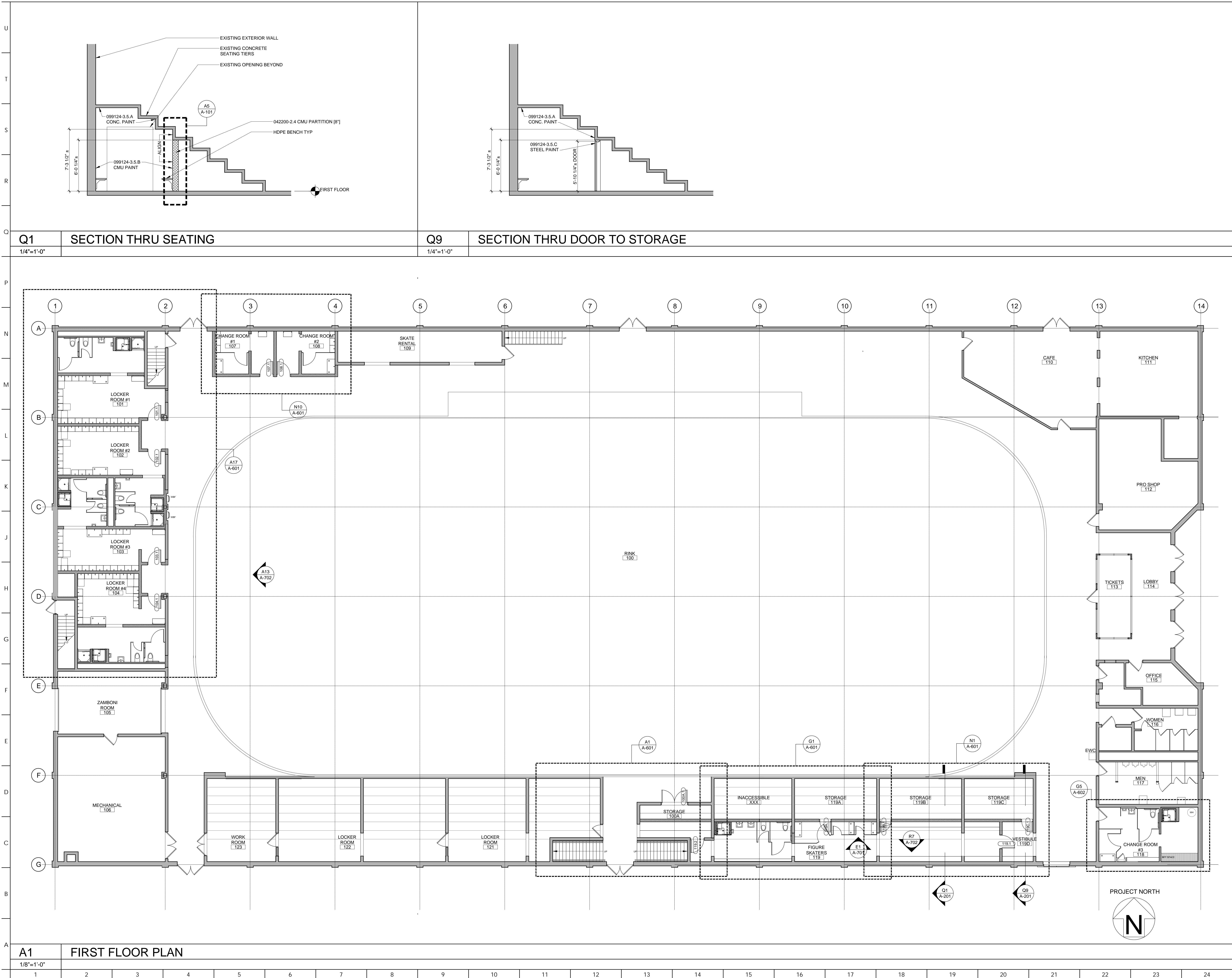
REVISION	DATE

DRAWING TITLE:

PARTITION
DETAILS & MISC.
SCHEDULES

DRAWING NO:

A-101



ARCHITECT:
BKP ARCHITECTS P.C.
1525 LOCUST STREET
PHILADELPHIA, PA 19102
T: 215.557.6509

MEP ENGINEER:
H.F. LENZ CO.
1407 SCALP AVENUE
JOHNSTOWN, PA 15904
T: 814.269.9300

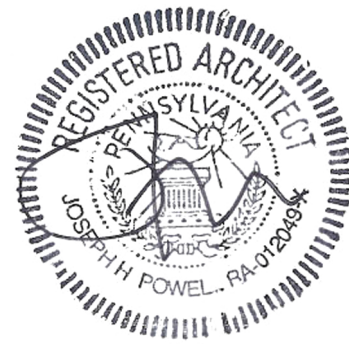
STRUCTURAL ENGINEER:
JBC ENGINEERS
1617 JOHN F KENNEDY BLVD.
SUITE 1655
PHILADELPHIA, PA

CLIENT:
HAVERFORD TOWNSHIP
DELAWARE COUNTY
1014 DARBY ROAD
HAVERTOWN, PA 19083-2551

SKATIUM LOCKER ROOM
RENOVATIONS
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

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SEAL:

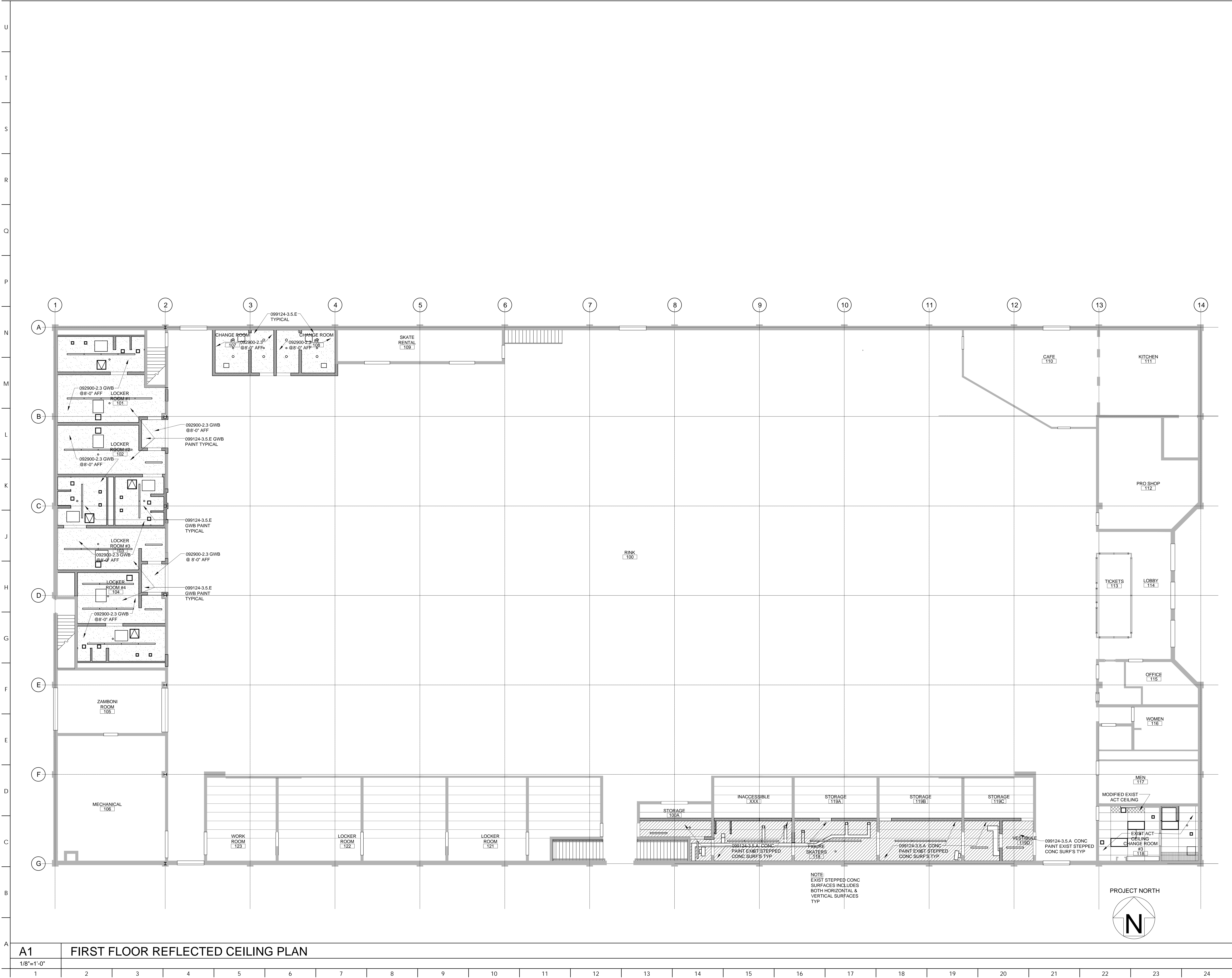


DATE: SEPTEMBER 19, 2024
PROJECT NO: 2024-02
DRAWN BY: SJZ
CHECKED BY: JHP
SUBMISSION DATE: 8/19/2024
PERMIT SET DATE: 8/19/2024
BID SET DATE: 9/19/2024

REVISION	DATE

DRAWING TITLE:
FIRST FLOOR
PLAN & SEATING
SECTIONS

DRAWING NO:
A-201



ARCHITECT:
BKP ARCHITECTS P.C.
1525 LOCUST STREET
PHILADELPHIA, PA 19102
T: 215.557.6509

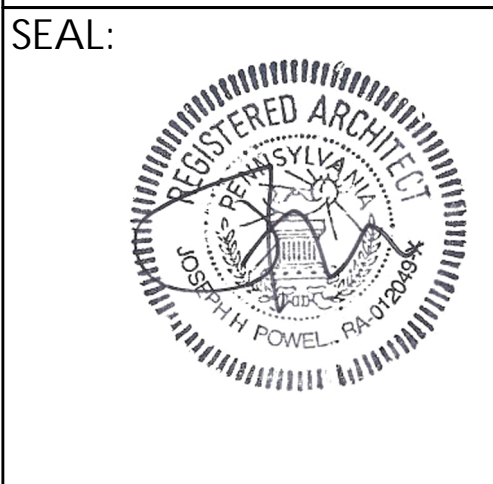
MEP ENGINEER:
H.F. LENZ CO.
1407 SCALP AVENUE
JOHNSTOWN, PA 15904
T: 814.269.9300

STRUCTURAL ENGINEER:
JBC ENGINEERS
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PHILADELPHIA, PA

CLIENT:
HAVERFORD TOWNSHIP
DELAWARE COUNTY
1014 DARBY ROAD
HAVERTOWN, PA 19083-2551

SKATIUM LOCKER ROOM
RENOVATIONS
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

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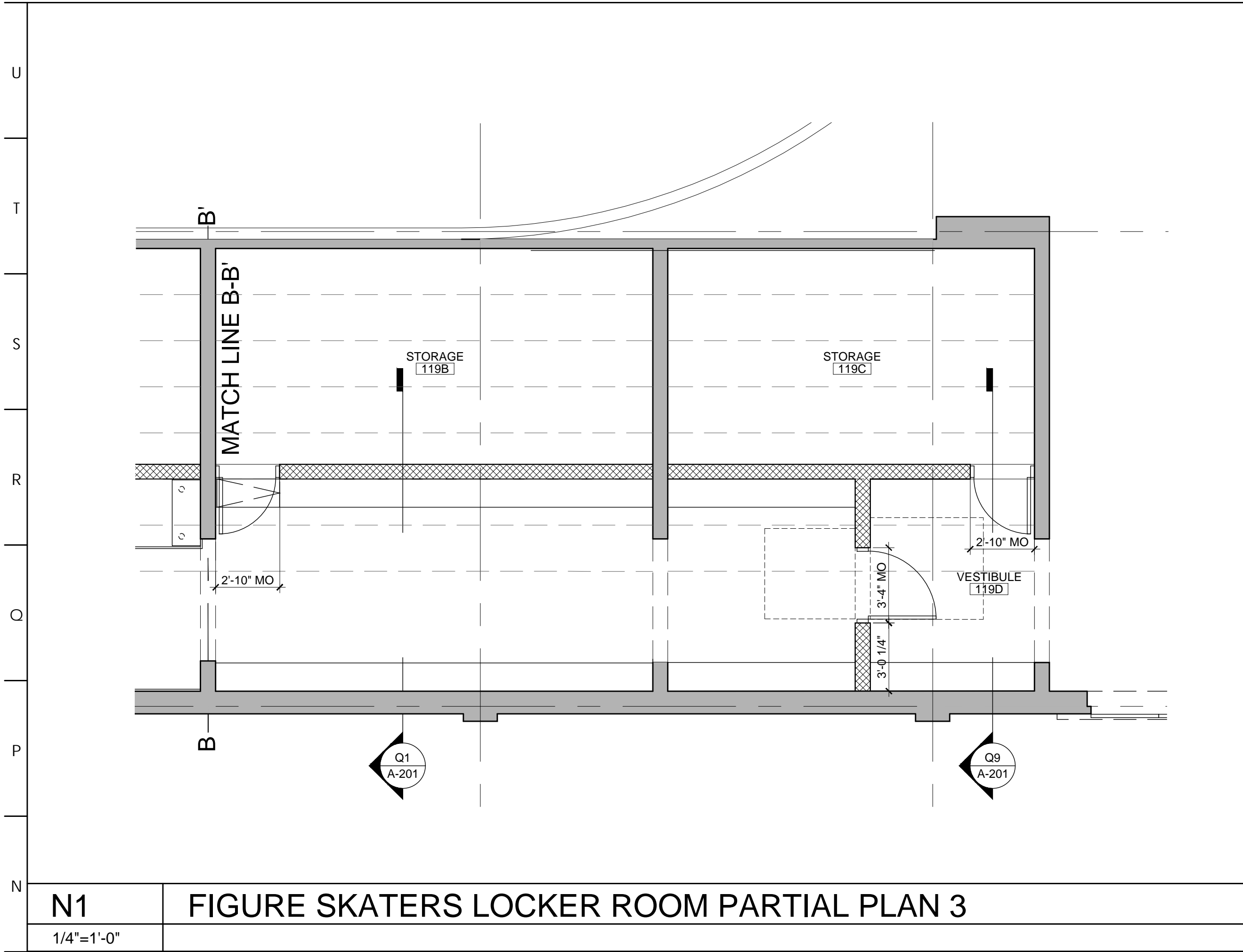


DATE: SEPTEMBER 19, 2024
PROJECT NO: 2024-02
DRAWN BY: SJZ
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SUBMISSION: DATE
PERMIT SET: 8/19/2024
BID SET: 9/19/2024

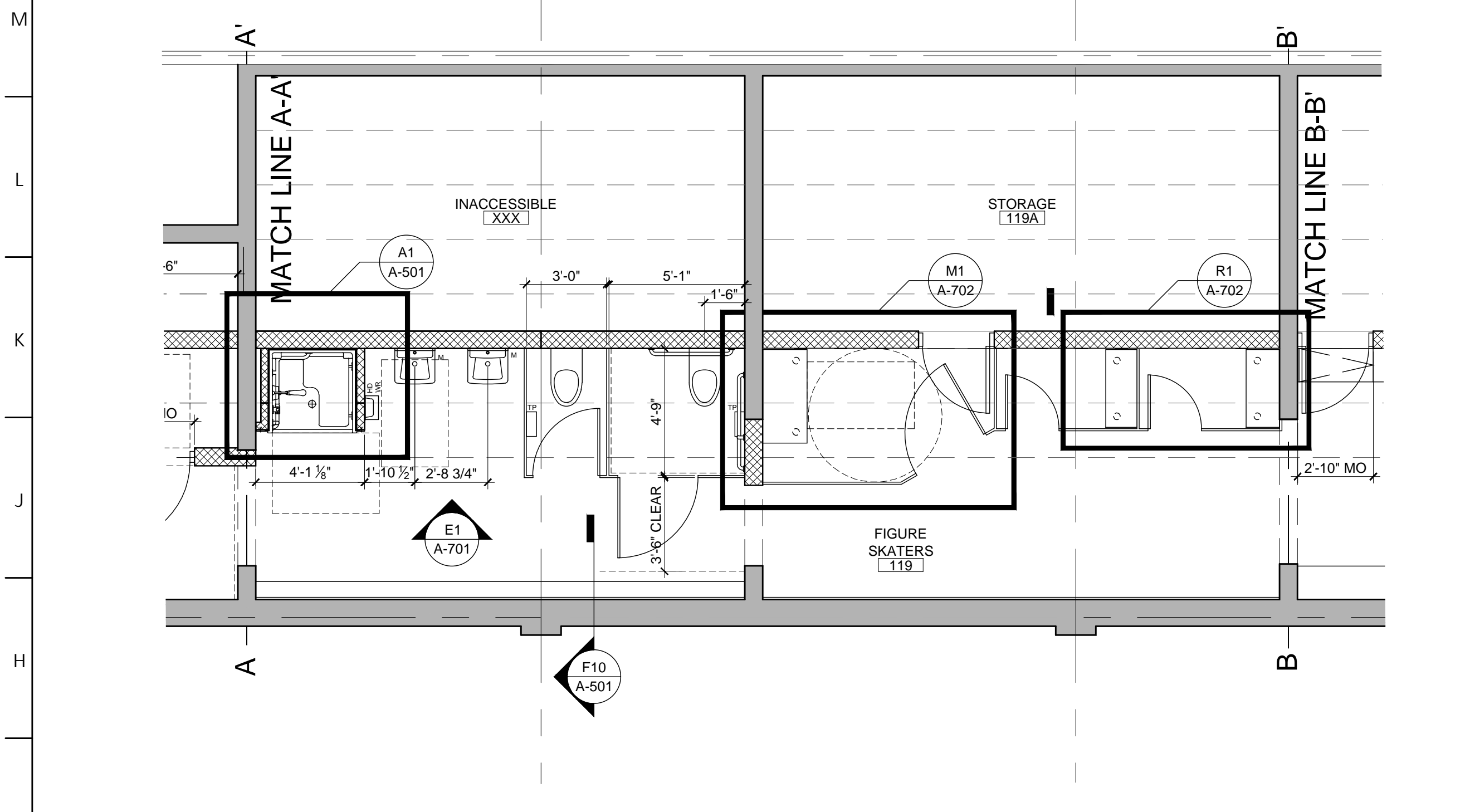
REVISION	DATE

DRAWING TITLE:
**FIRST FLOOR
REFLECTED
CEILING PLAN**

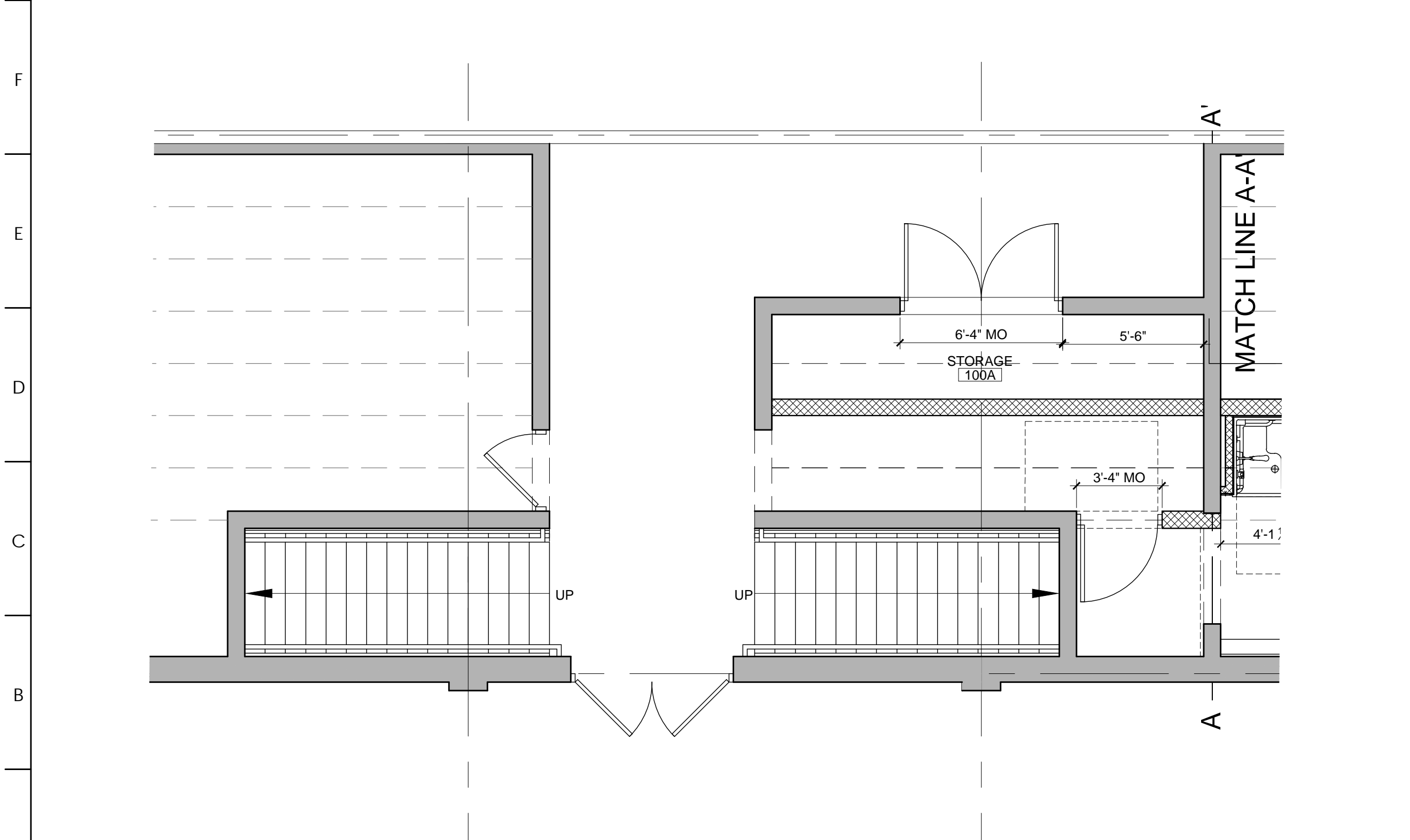
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A-301



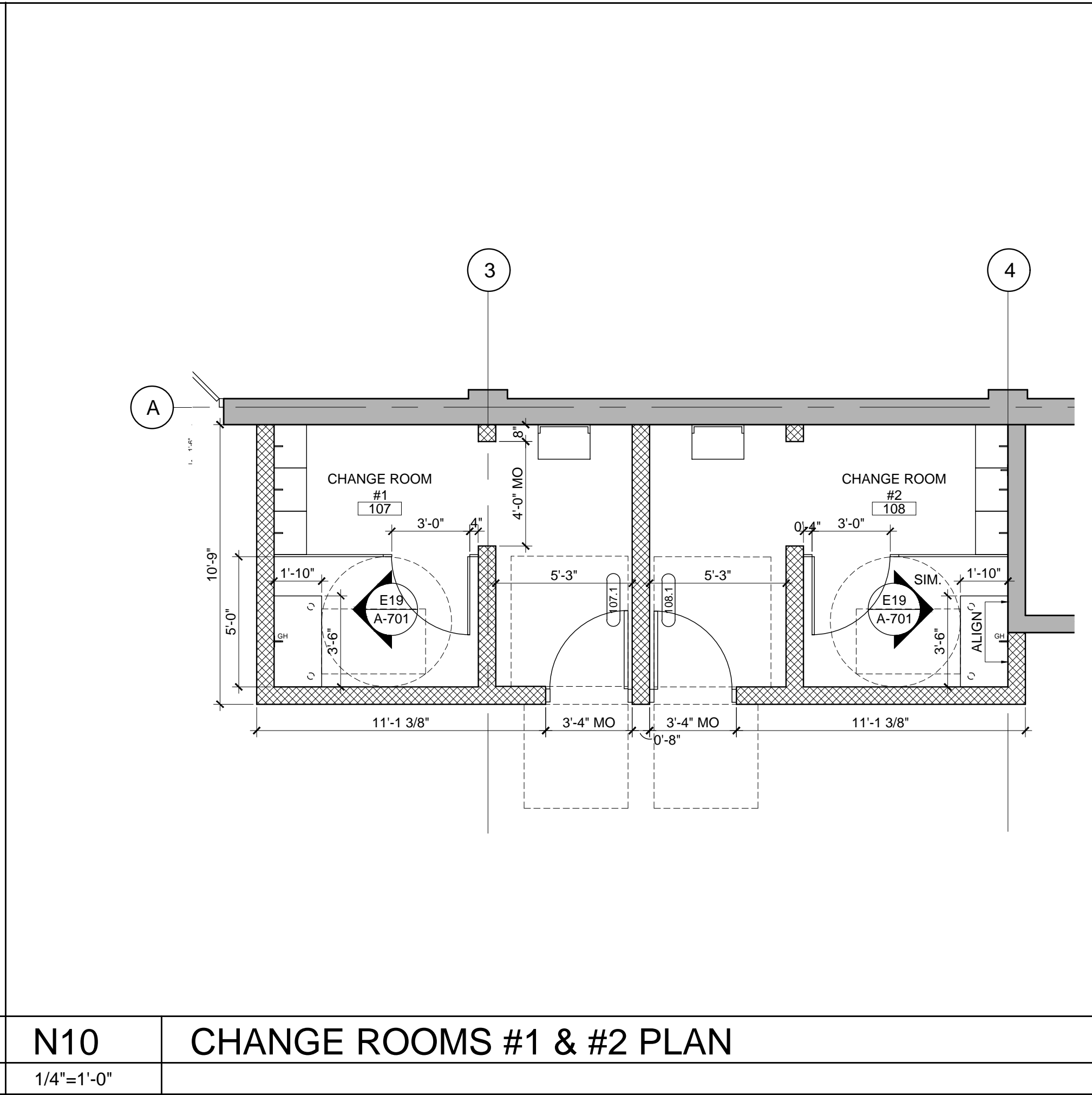
N1 **FIGURE SKATERS LOCKER ROOM PARTIAL PLAN 3**
1/4"=1'-0"



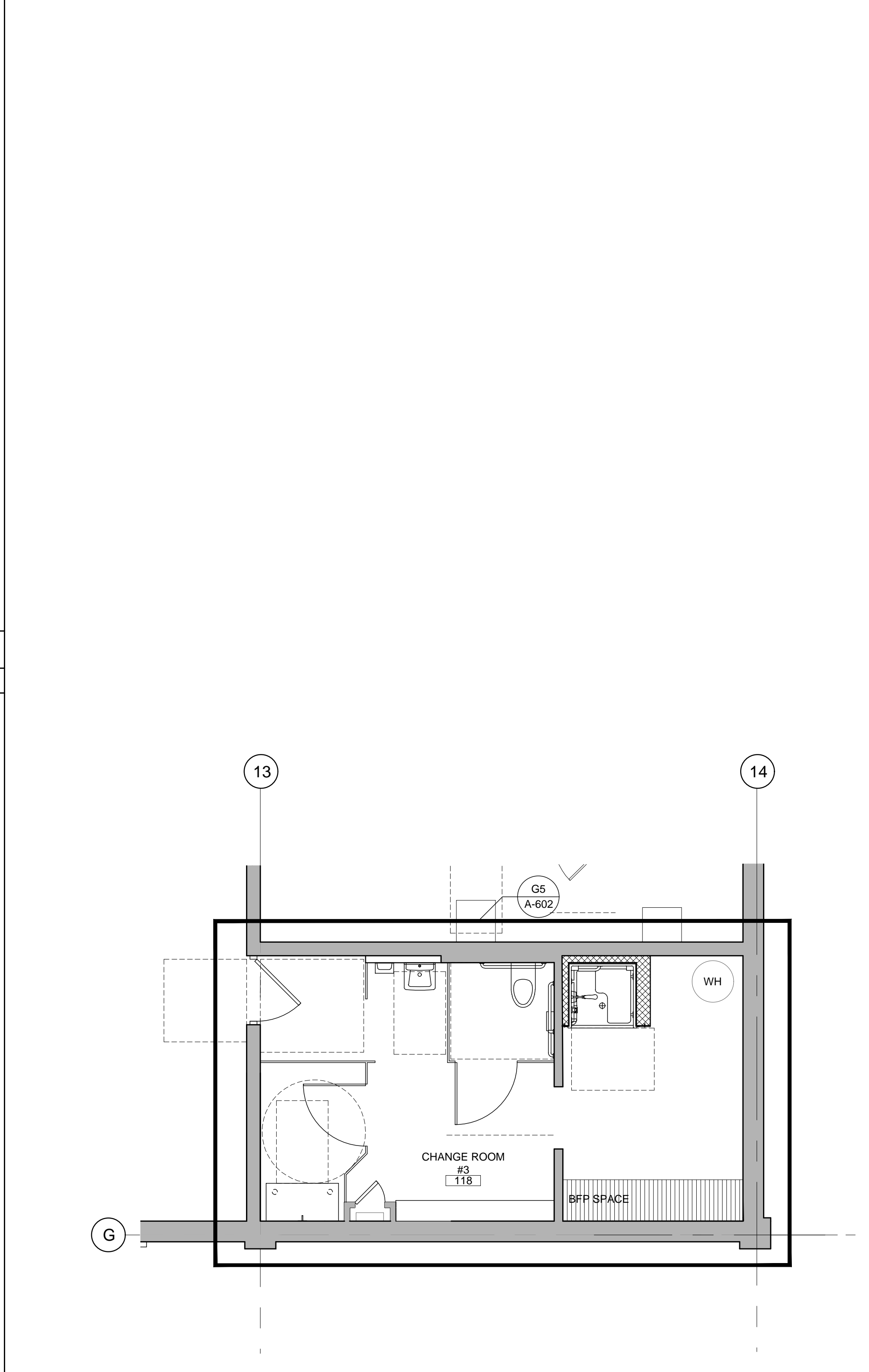
G1 **FIGURE SKATERS LOCKER ROOM PARTIAL PLAN 2**
1/4"=1'-0"



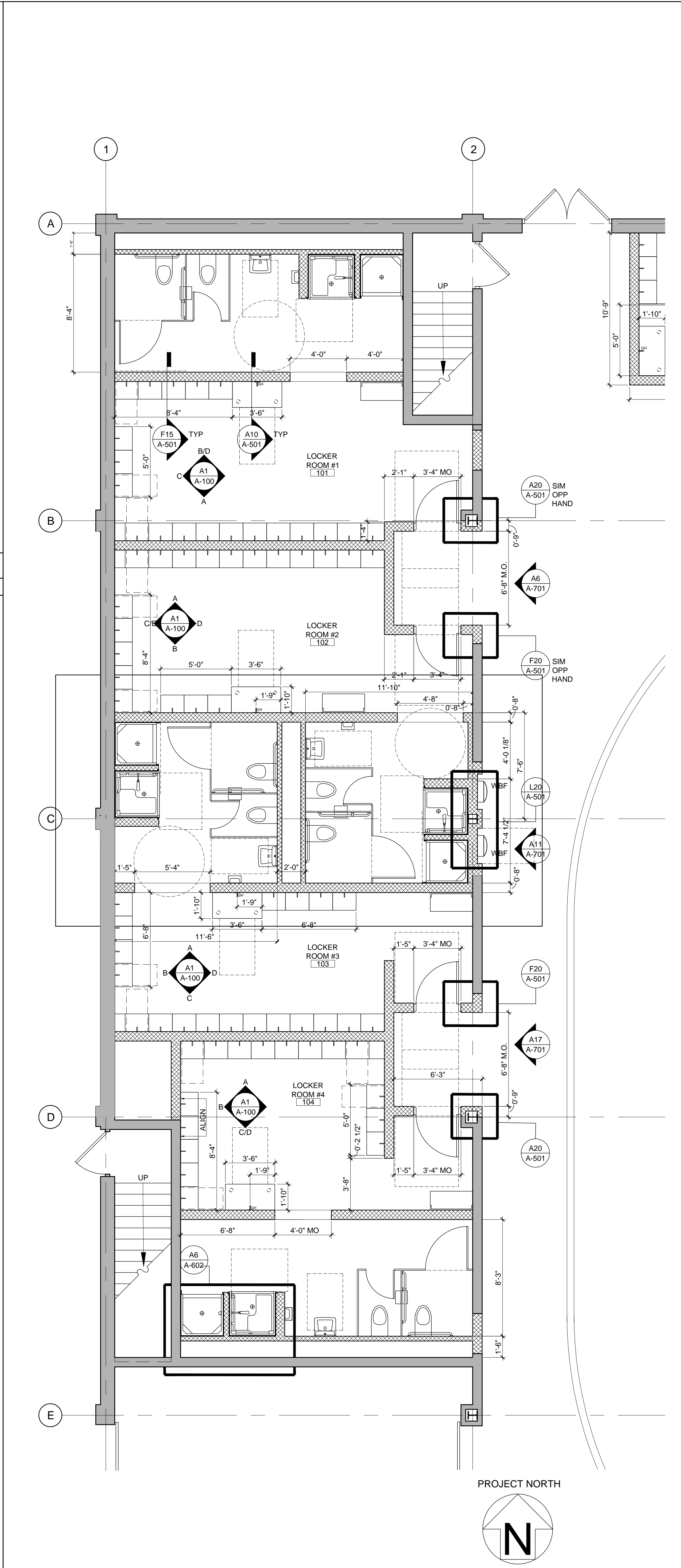
A1 **FIGURE SKATERS LOCKER ROOM PARTIAL PLAN 1**
1/4"=1'-0"



N10 **CHANGE ROOMS #1 & #2 PLAN**
1/4"=1'-0"



A10 **CHANGE ROOM PLAN**
1/4"=1'-0"



A17 **HOCKEY LOCKER ROOMS PLAN**
1/4"=1'-0"



ARCHITECT:
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T: 814.269.9300

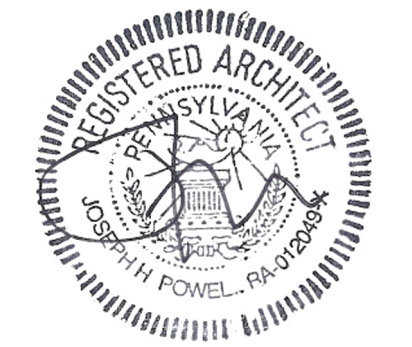
STRUCTURAL ENGINEER:
JBC ENGINEERS
1617 JOHN F KENNEDY BLVD.
SUITE 1655
PHILADELPHIA, PA

CLIENT:
HAVERFORD TOWNSHIP
DELAWARE COUNTY
1014 DARBY ROAD
HAVERTOWN, PA 19083-2551

SKATUM LOCKER ROOM
RENOVATIONS
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

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SEAL:

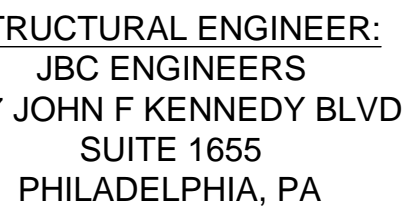


DATE: SEPTEMBER 19, 2024
PROJECT NO: 2024-02
DRAWN BY: SJZ
CHECKED BY: JHP
SUBMISSION DATE: 8/19/2024
PERMIT SET: 8/19/2024
BID SET: 9/19/2024

REVISION	DATE

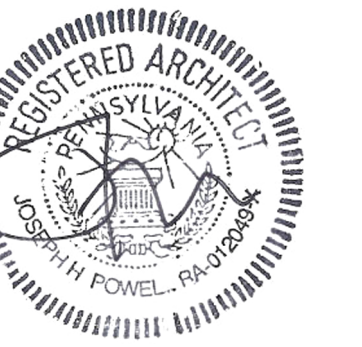
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**ENLARGED
LOCKER ROOM
PLANS**

DRAWING NO:
A-601

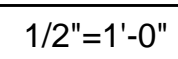


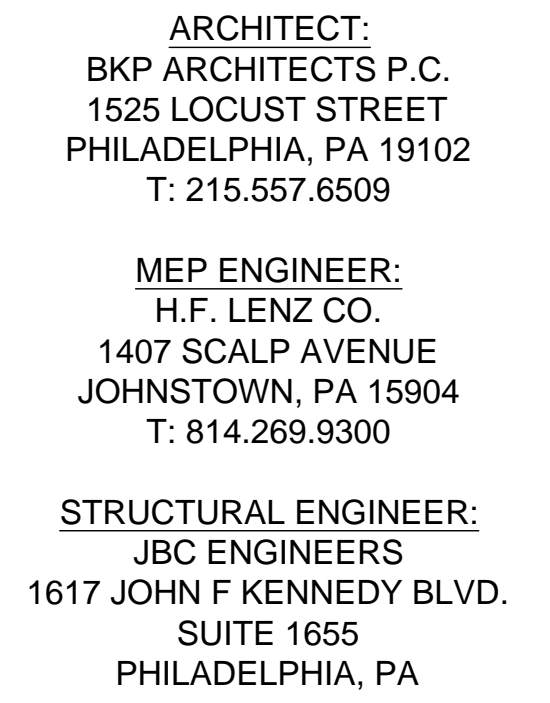
SKATITUM LOCKER ROOM
RENOVATIONS
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

REAL:



REVISION	DATE

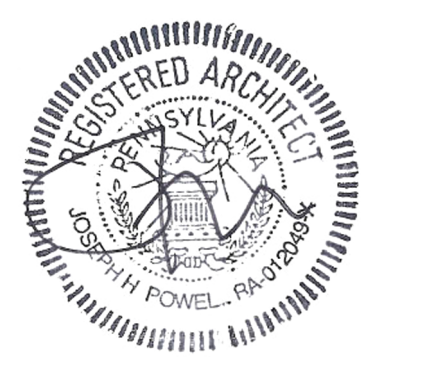
RAWING NO:
A-602



CLIENT:
HAVERFORD TOWNSHIP
DELAWARE COUNTY
1014 DARBY ROAD
HAVERTOWN, PA 19083-2551

SKATIUM LOCKER ROOM
RENOVATIONS
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

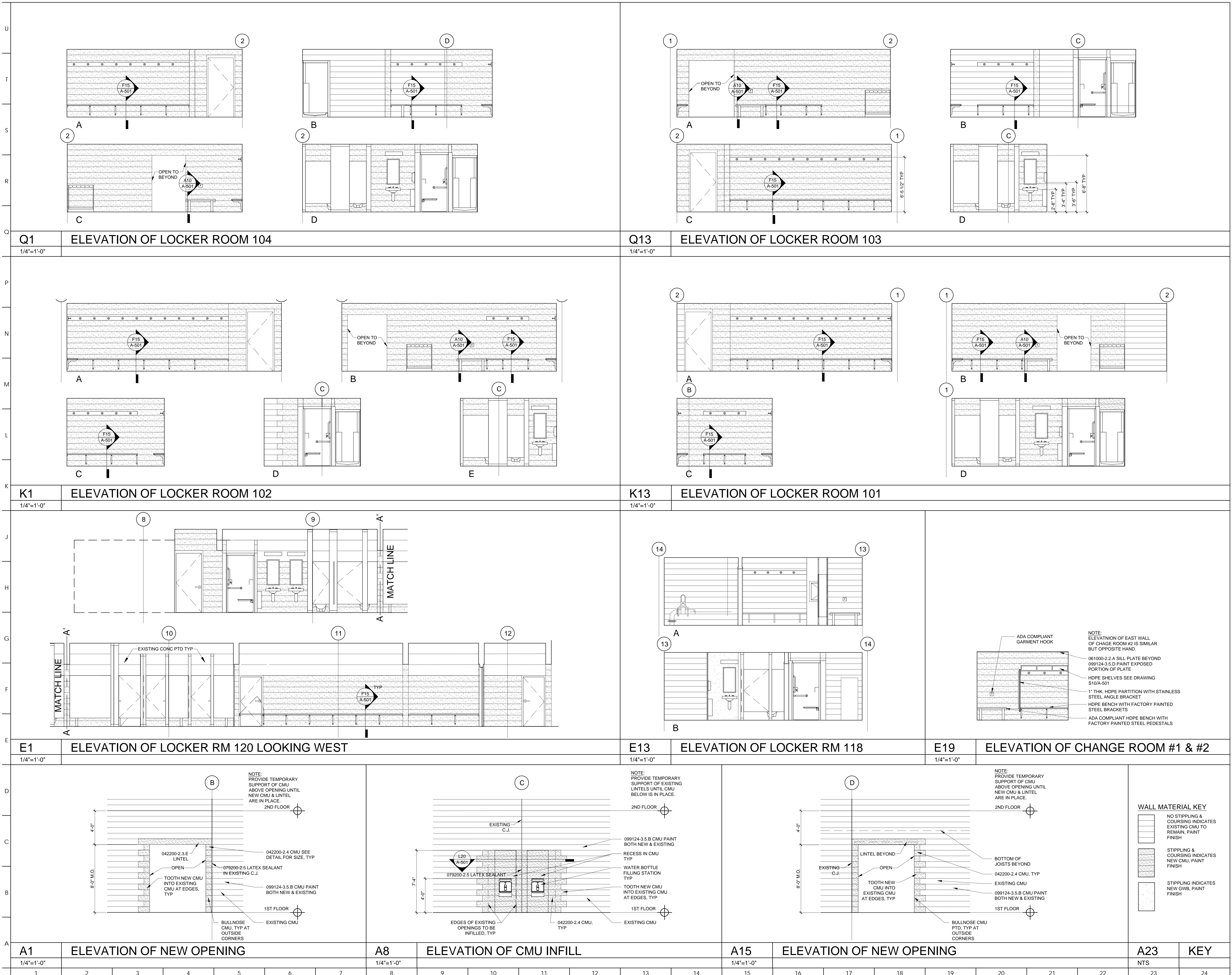
THIS DRAWING IS TO ILLUSTRATE THE WORK TO BE DONE. THE ARCHITECT IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUE, SEQUENCES AND PROCEDURES USED TO DO THE WORK OR THE SAFETY ASPECTS OF CONSTRUCTION, AND NOTHING ON THIS DRAWING EXPRESSED OR IMPLIED CHANGES THIS CONDITION. CONTRACTOR SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS AN ACKNOWLEDGEMENT OF THESE RESPONSIBILITIES, AND THAT THEY HAVE BEEN FULLY CONSIDERED IN PLANNING OF THE WORK, AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.

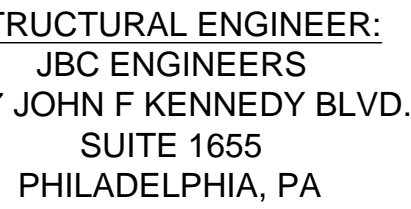


DATE: SEPTEMBER 19, 2024	
PROJECT NO: 2024-02	
DRAWN BY	SJZ
CHECKED BY	JHP
SUBMISSION	DATE
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BID SET	9/19/2024

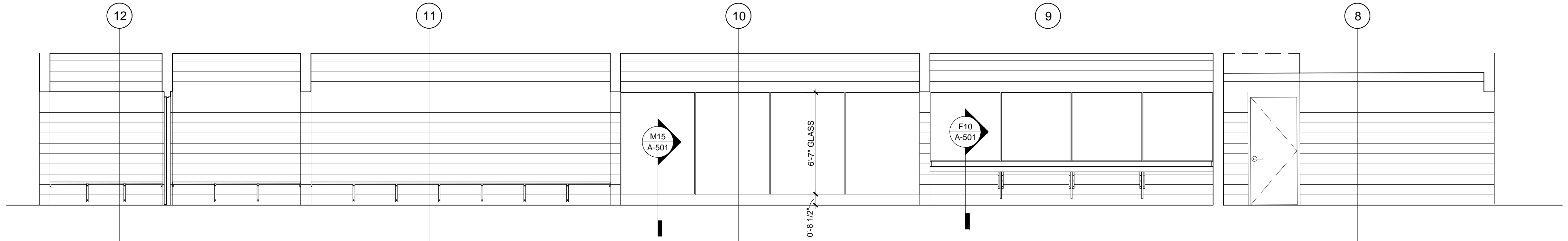
DRAWING TITLE:
INTERIOR
ELEVATIONS

DRAWING NO:
A-701

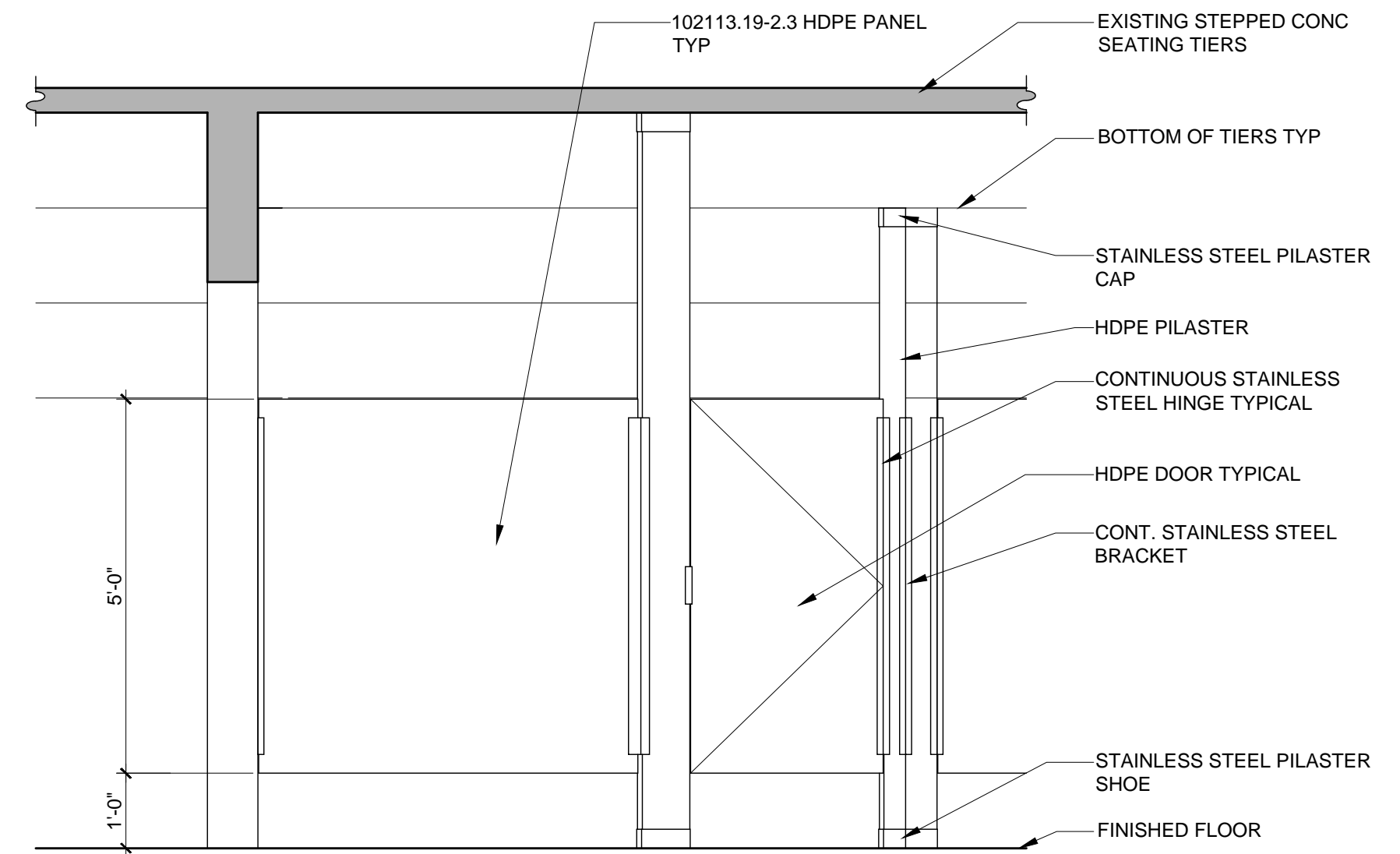




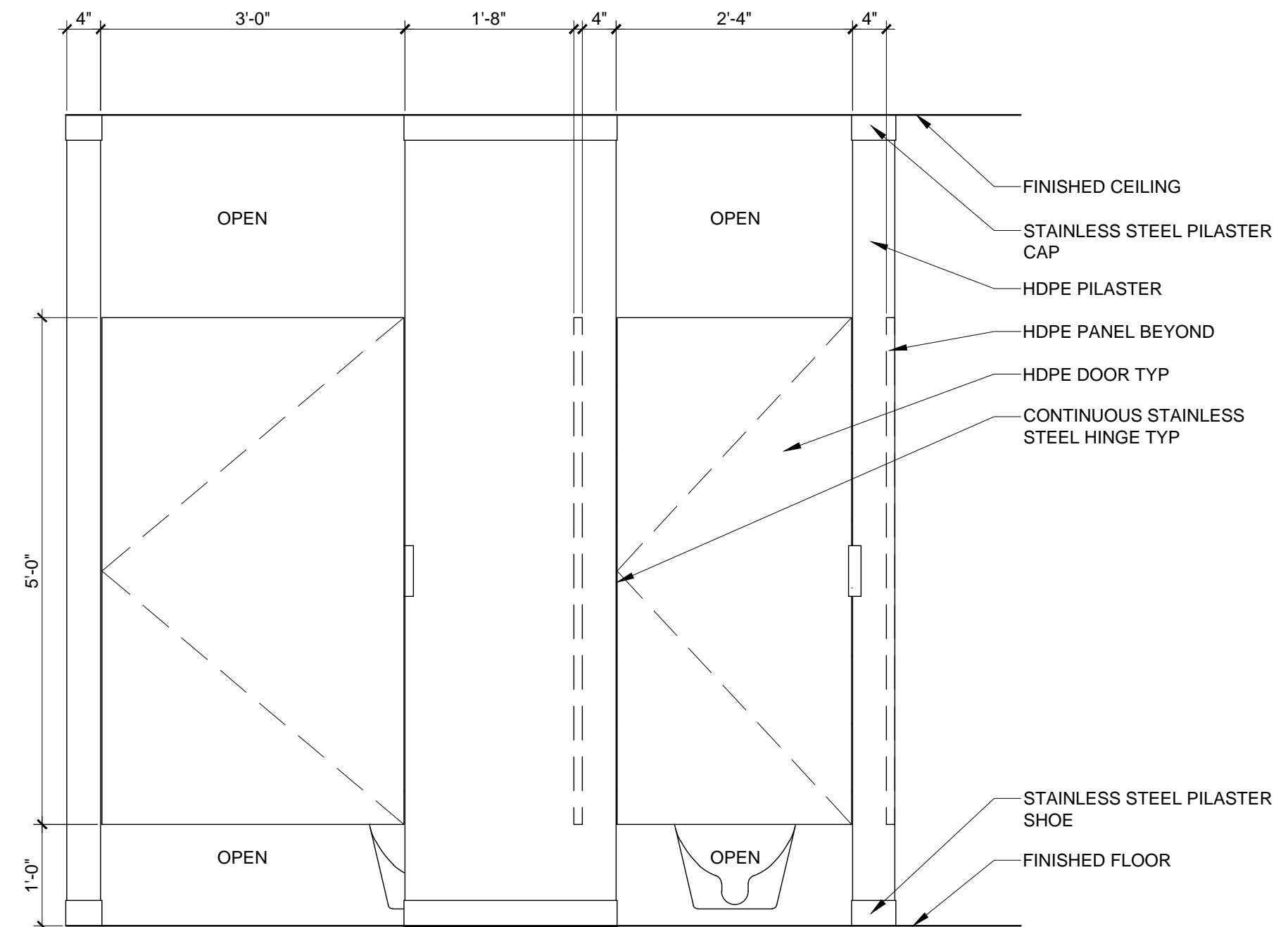
SKATUM LOCKER ROOM
RENOVATIONS
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

RAWING NO:
A-702

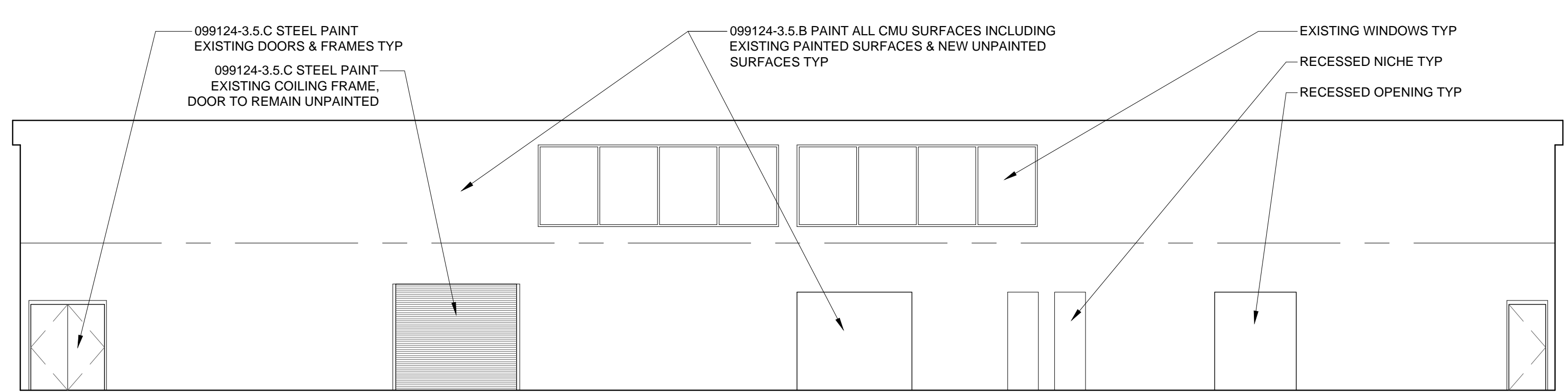
R7	ELEVATION OF LOCKER ROOM 120 LOOKING EAST
1/4"=1'-0"	



M17	ELEVATION OF ADA DRESSING SPACE
-----	---------------------------------



E17	ENLARGED ELEVATION OF TYPICAL TOILET STALLS
-----	---



A13	ELEVATION OF EXISTING SOUTH RINK WALL WITH NEW OPENINGS
-----	---

1

A-702



ARCHITECT:
BKP ARCHITECTS P.C.
1525 LOCUST STREET
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MEP ENGINEER:
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T: 814.269.9300

STRUCTURAL ENGINEER
JBC ENGINEERS
17 JOHN F KENNEDY BLV
SUITE 1655
PHILADELPHIA, PA

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DELAWARE COUNTY
1014 DARBY ROAD
HAVERTOWN, PA 19083-2551

RENOVATIONS
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

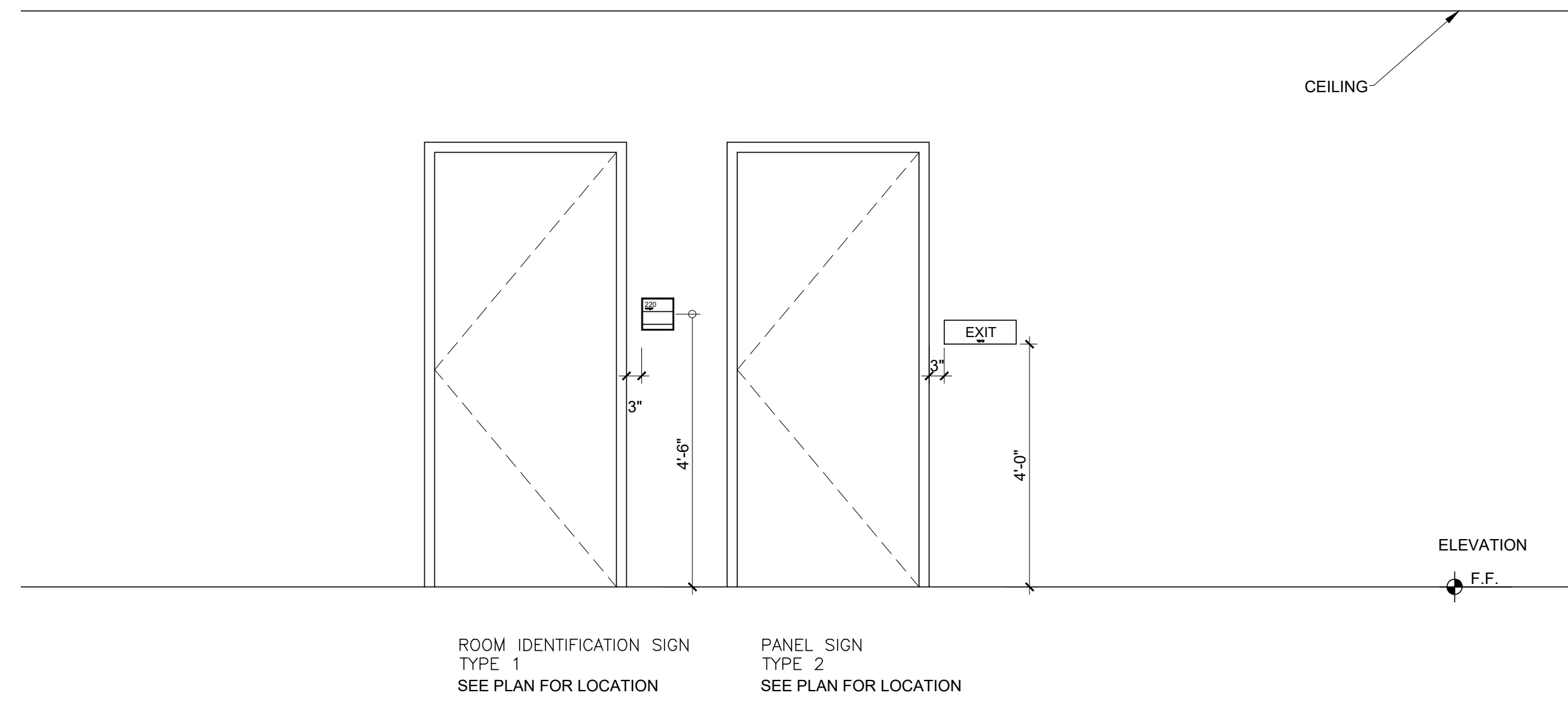
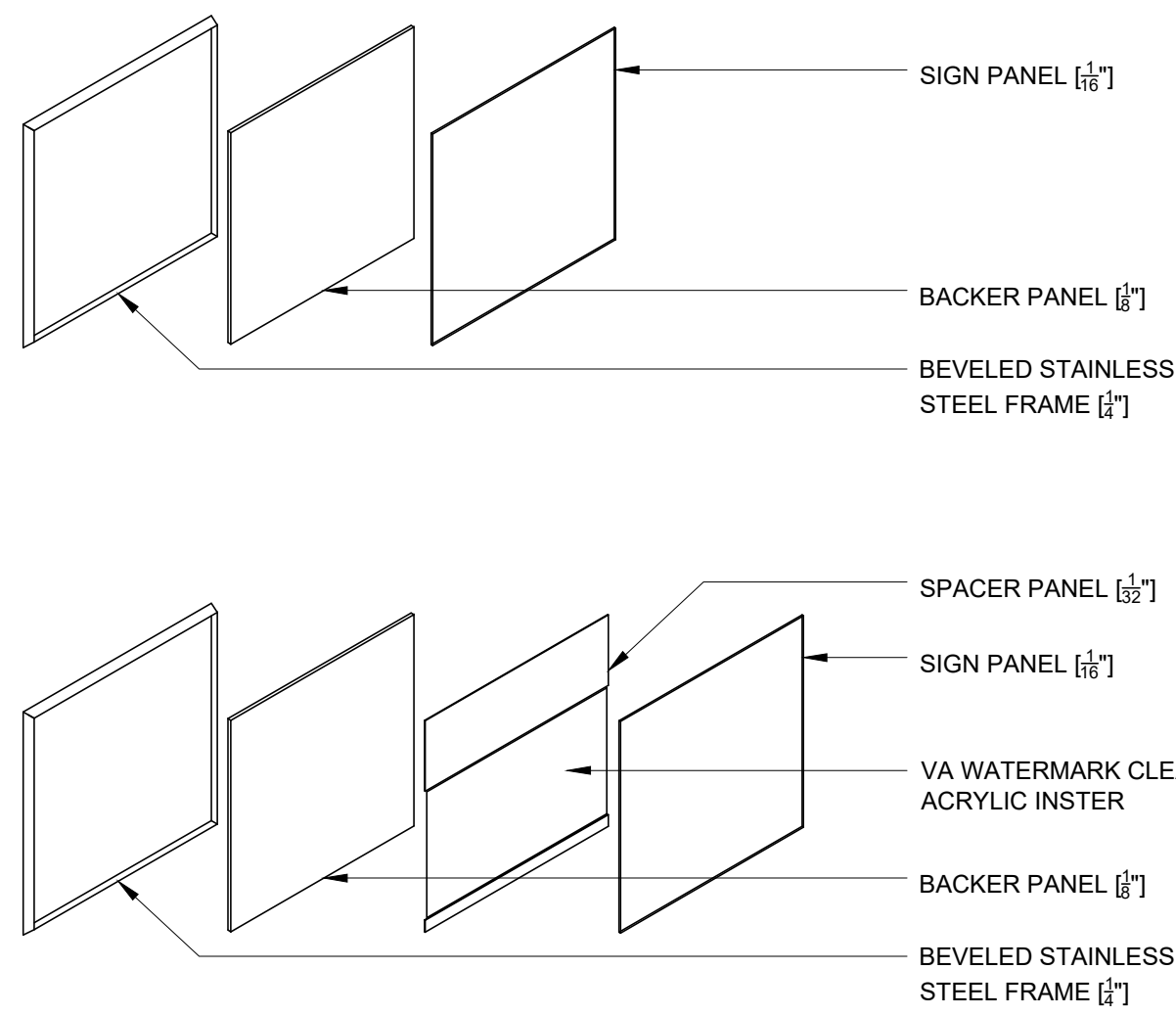
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DATE: SEPTEMBER 19, 2024	
PROJECT NO: 2024-02	
DRAWN BY	SJZ
CHECKED BY	JHP
SUBMISSION	DATE
PERMIT SET	8/19/2
CD SET	9/19/2

DRAWING TITLE:
FIRST FLOOR
PLAN - SIGNAGE

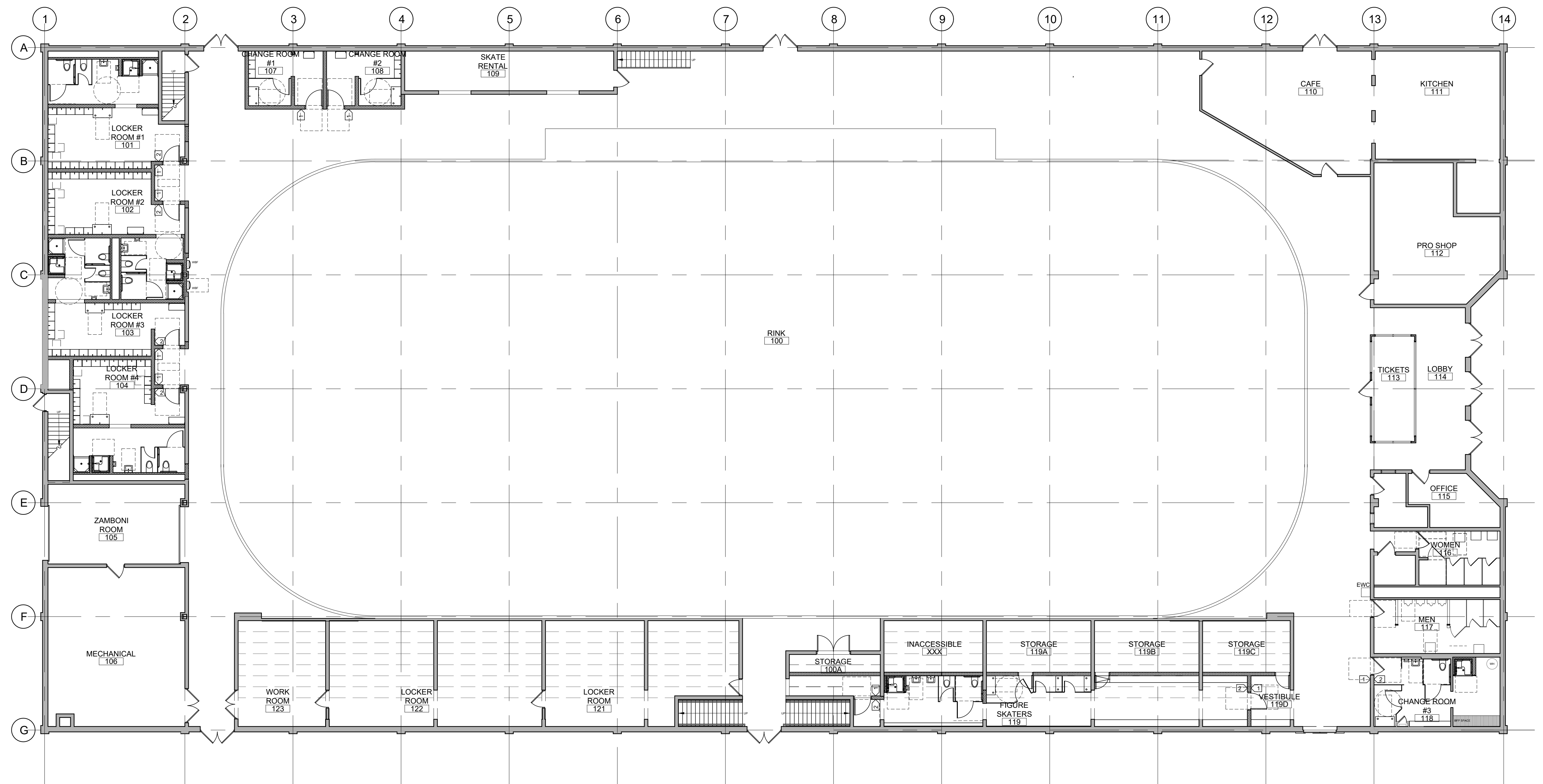
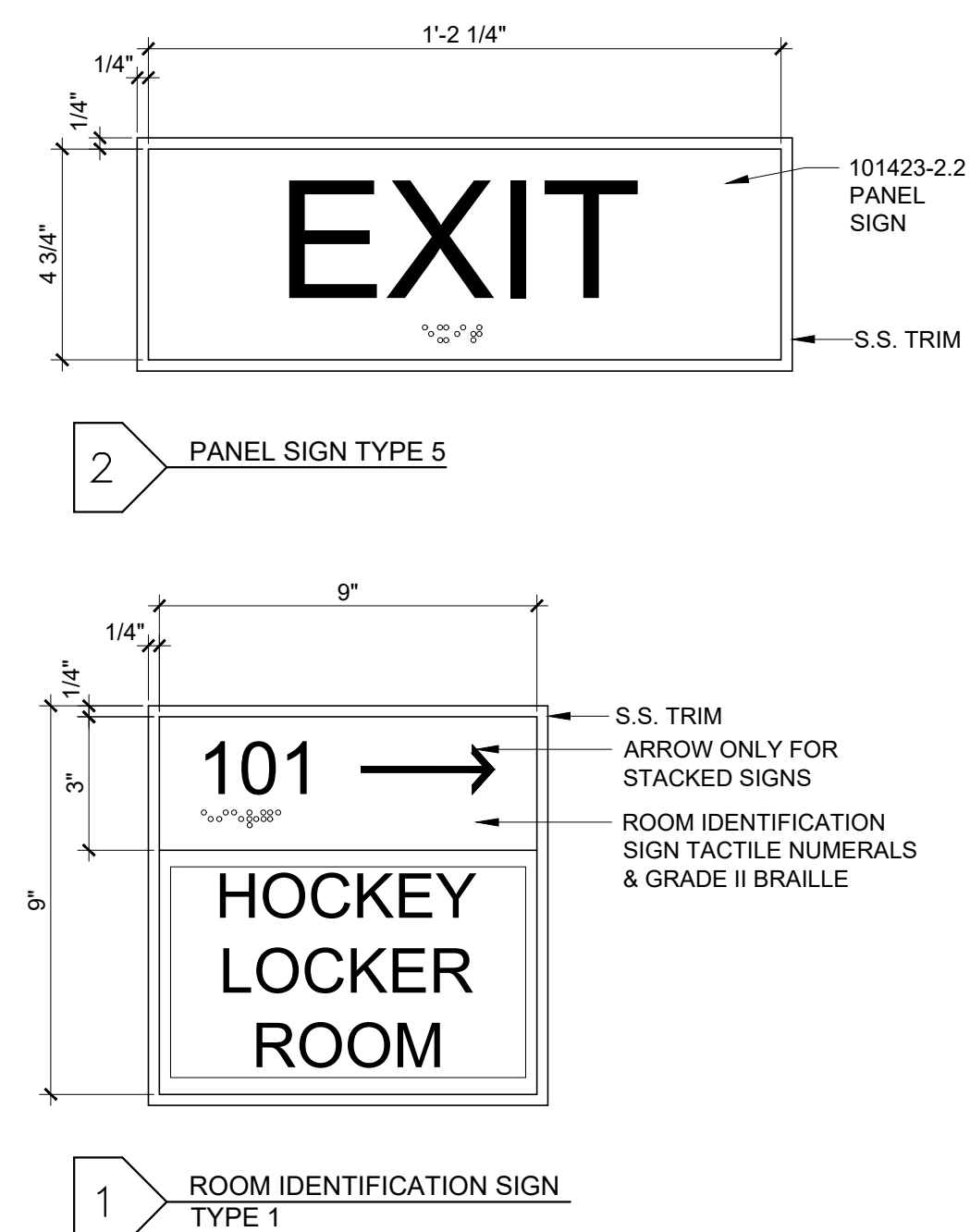
RAWING NO:

A-901

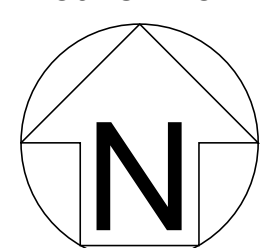


N1	TYPICAL SIGN CONSTRUCTION
N.T.S.	

N9	MOUNTING HEIGHTS
1/2"=1'-0"	



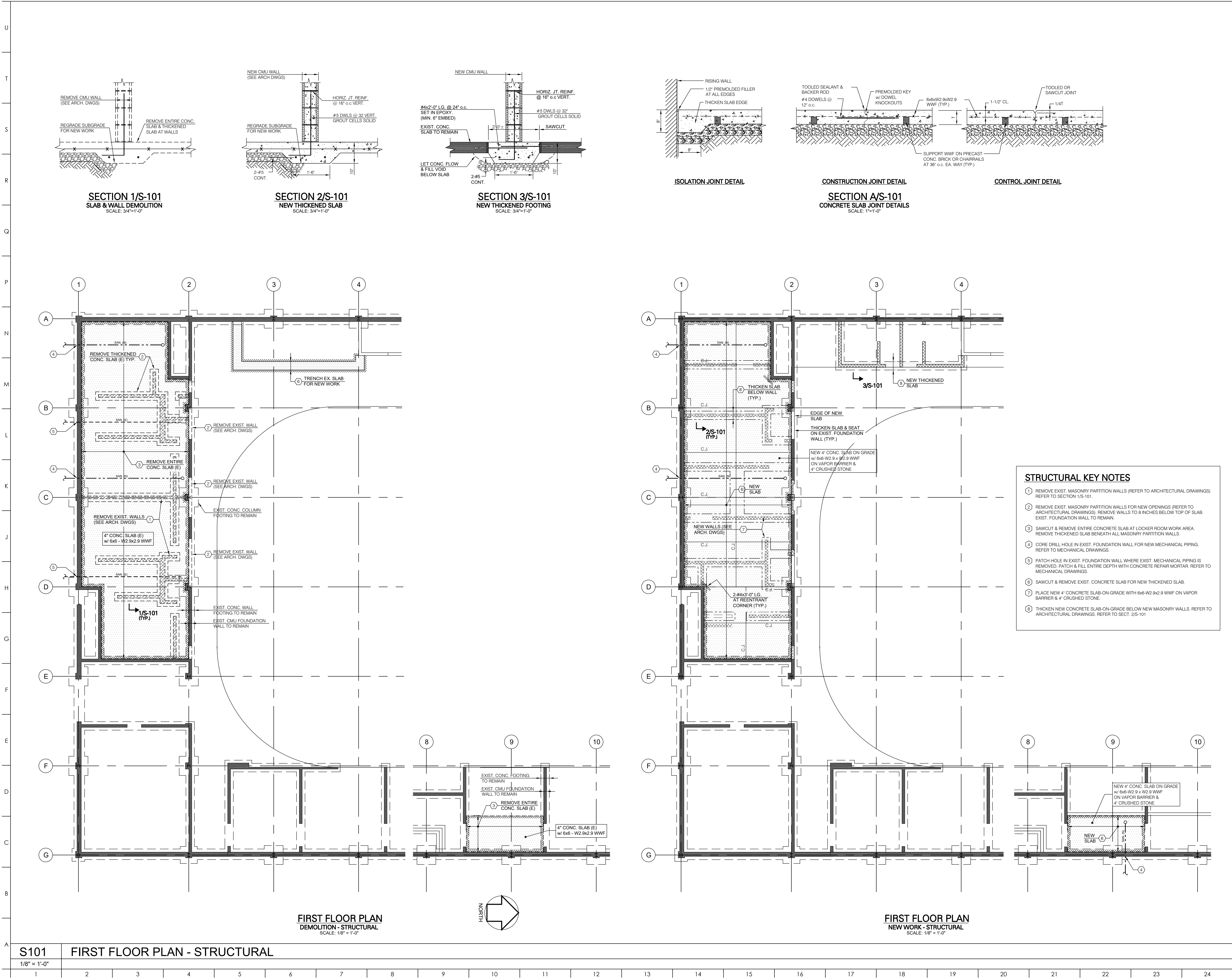
PROJECT NORTH



A1	SIGNS
----	-------

A6	FIRST FLOOR PLAN
----	------------------

RAWING NO:



ARCHITECT:
BKP ARCHITECTS P.C.
1525 LOCUST STREET
PHILADELPHIA, PA 19102
T: 215.557.6509

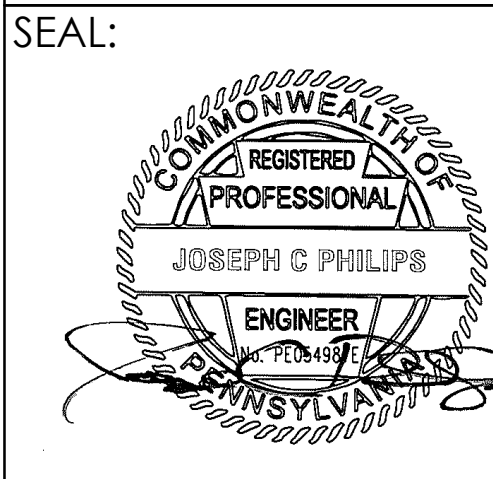
MEP ENGINEER:
H.F. LENZ CO.
1407 SCALP AVENUE
JOHNSTOWN, PA 15904
T: 814.269.9300

STRUCTURAL ENGINEER:
JBCI ENGINEERS
1617 JOHN F KENNEDY BLVD.
SUITE 1260
PHILADELPHIA, PA

CLIENT:
HAVERFORD TOWNSHIP
DELAWARE COUNTY
1014 DARBY ROAD
HAVERTOWN, PA 19083-2551

SKATUM LOCKER ROOM RENOVATIONS
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

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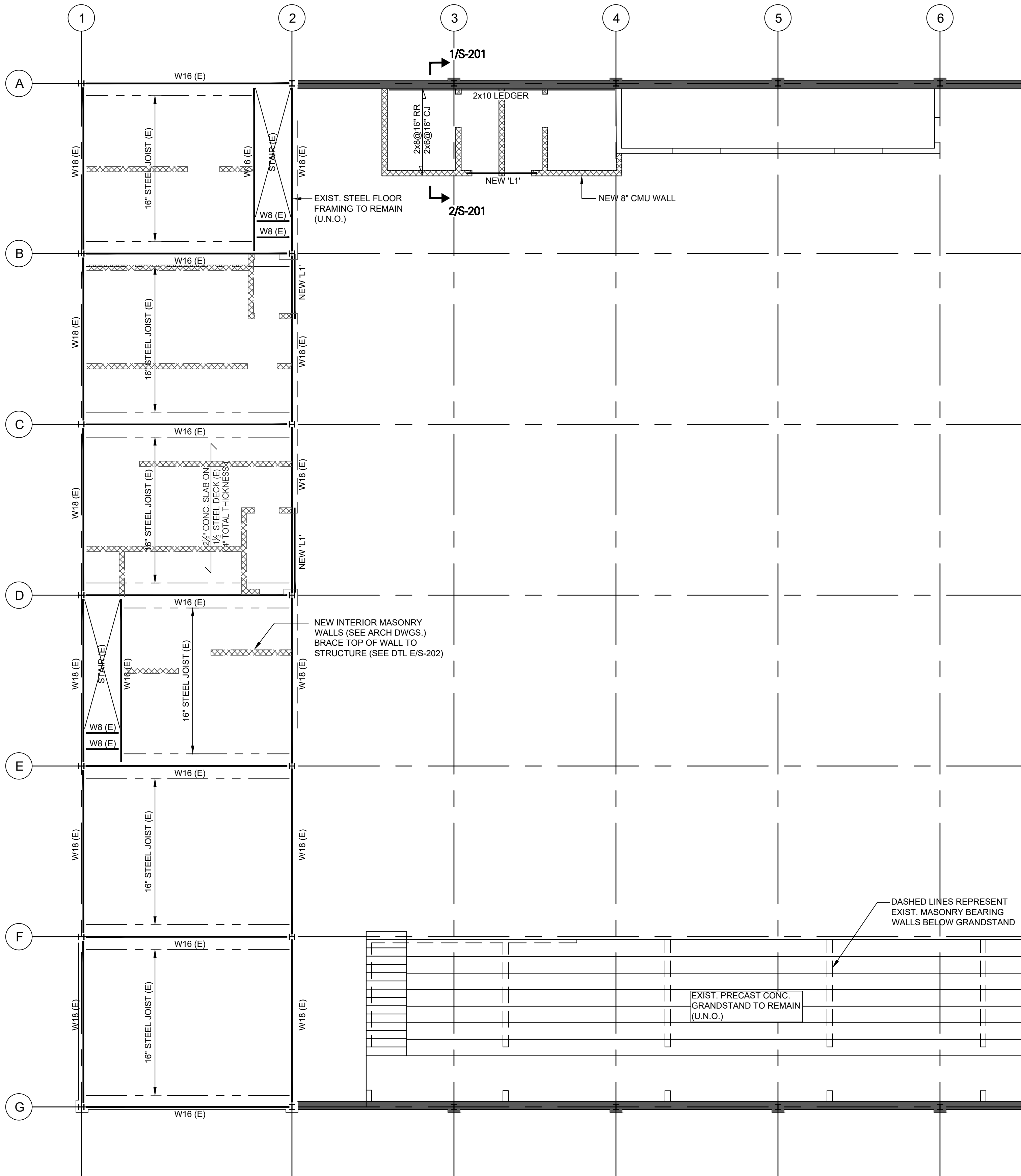
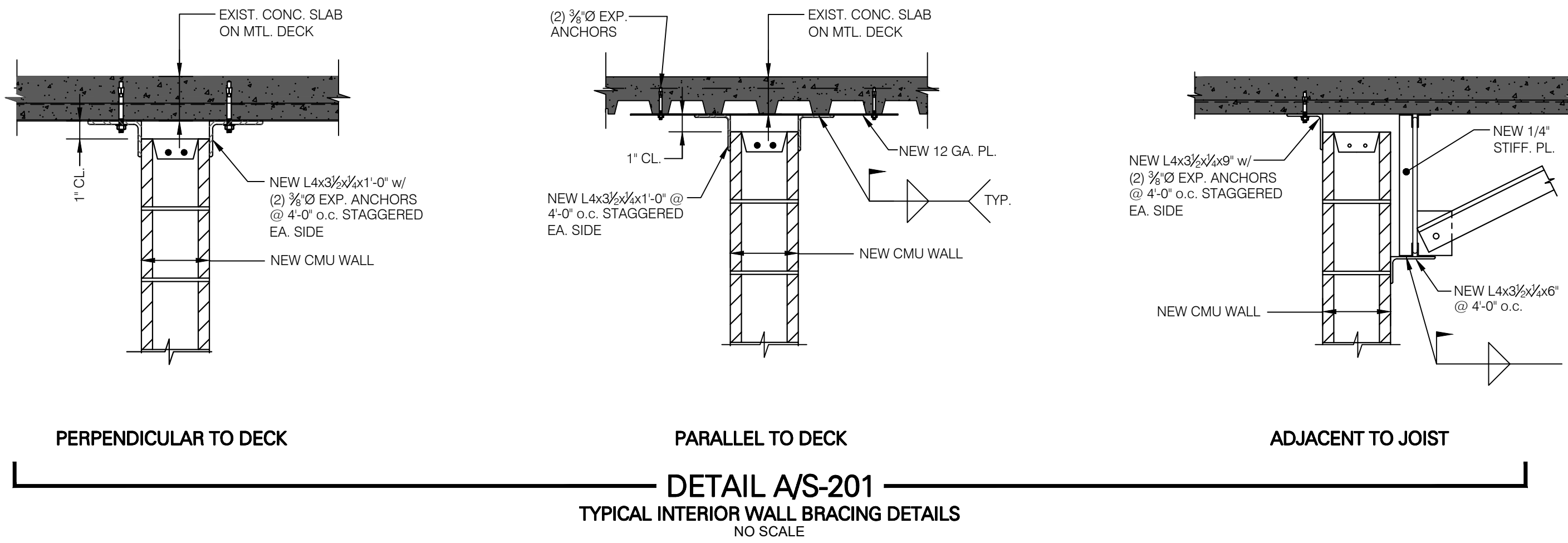
DATE: SEPTEMBER 19, 2024
PROJECT NO: 2024-02
DRAWN BY JP
CHECKED BY JP
SUBMISSION DATE
PERMIT SET 8/19/2024
BID SET 9/3/2024

REVISION	DATE

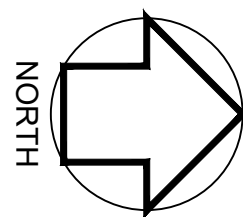
DRAWING TITLE:
FIRST FLR PLAN
STRUCTURAL

DRAWING NO:
S-101

U
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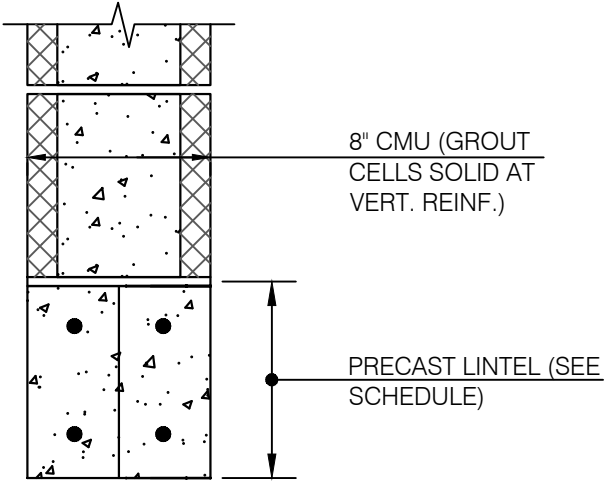


SECOND FLOOR PLAN
NEW WORK - STRUCTURAL
SCALE: 1/8" = 1'-0"



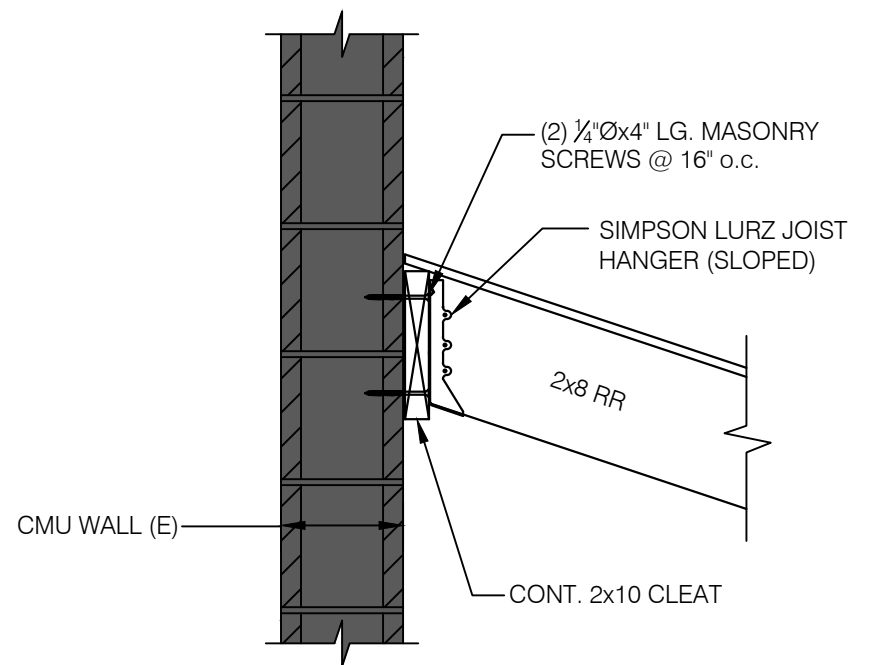
STRUCTURAL LINTEL SCHEDULE		
8" NOMINAL CMU		
NO.	SIZE	REQ'D BEARING
L1	(2) 4x8 RBL w 1-#4 T&B	4" BRG. EA. END (MIN.)

SEE LINTEL DETAILS ON THIS DRAWING FOR ADDTL INFORMATION

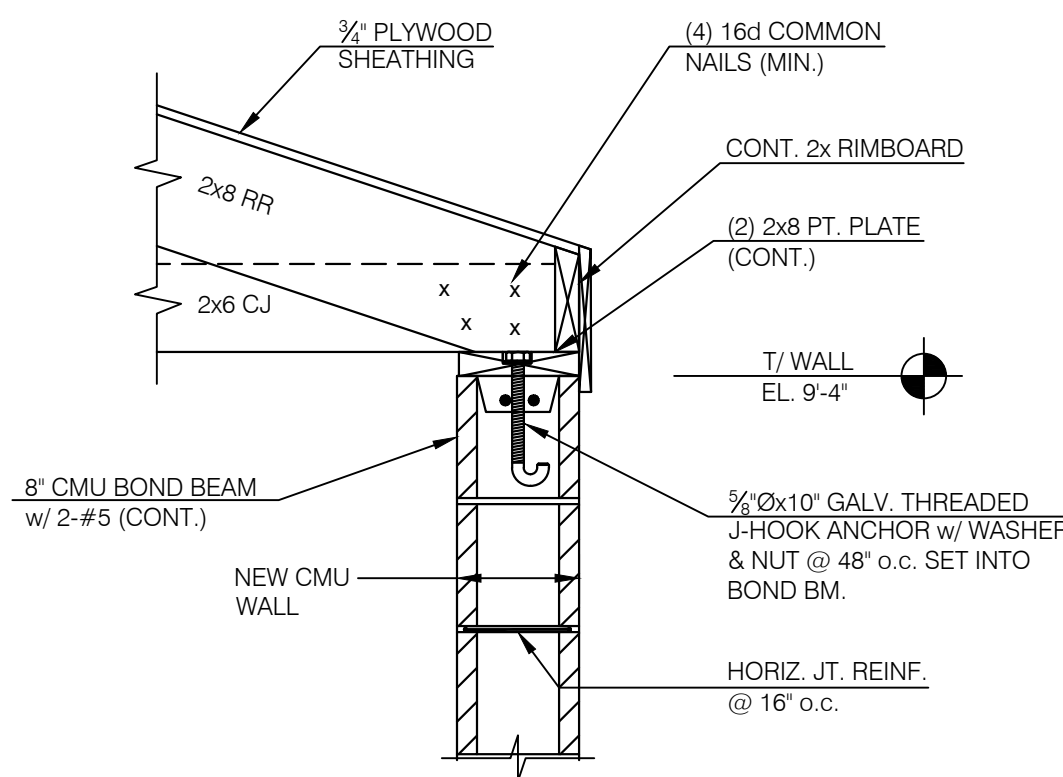


DETAIL B/S-201
LINTEL 'L1' DETAIL
NO SCALE

CONTRACTOR MUST SHORE & STABILIZE BOND BEAM DURING CONSTRUCTION. DO NOT REMOVE SHORING UNTIL GROUTED CMU HAS ATTAINED FULL DESIGN STRENGTH.



SECTION 1/S-201
NEW ROOF FRAMING SECTION
SCALE: 1"=1'-0"



SECTION 2/S-201
NEW ROOF & WALL FRAMING SECTION
SCALE: 1"=1'-0"



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JOHNSTOWN, PA 15904
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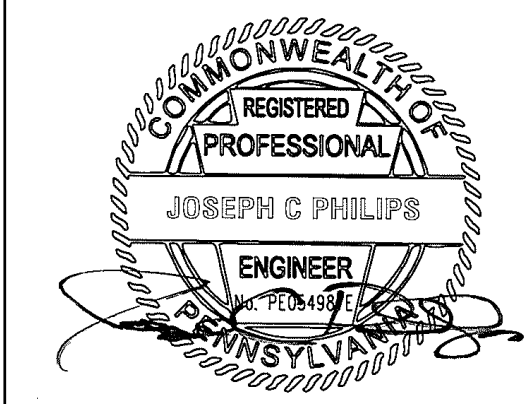
STRUCTURAL ENGINEER:
JBCI ENGINEERS
1617 JOHN F KENNEDY BLVD.
SUITE 1260
PHILADELPHIA, PA

CLIENT:
HAVERFORD TOWNSHIP
DELAWARE COUNTY
1014 DARBY ROAD
HAVERTOWN, PA 19083-2551

SKATIUM LOCKER ROOM
RENOVATIONS
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

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SEAL:



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REVISION	DATE

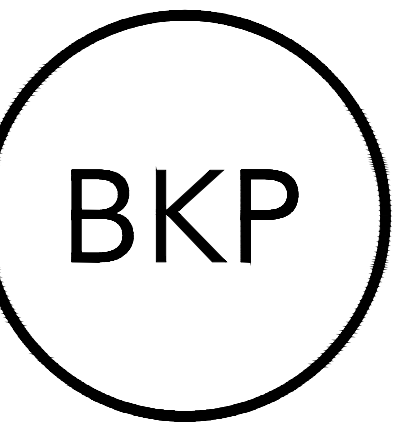
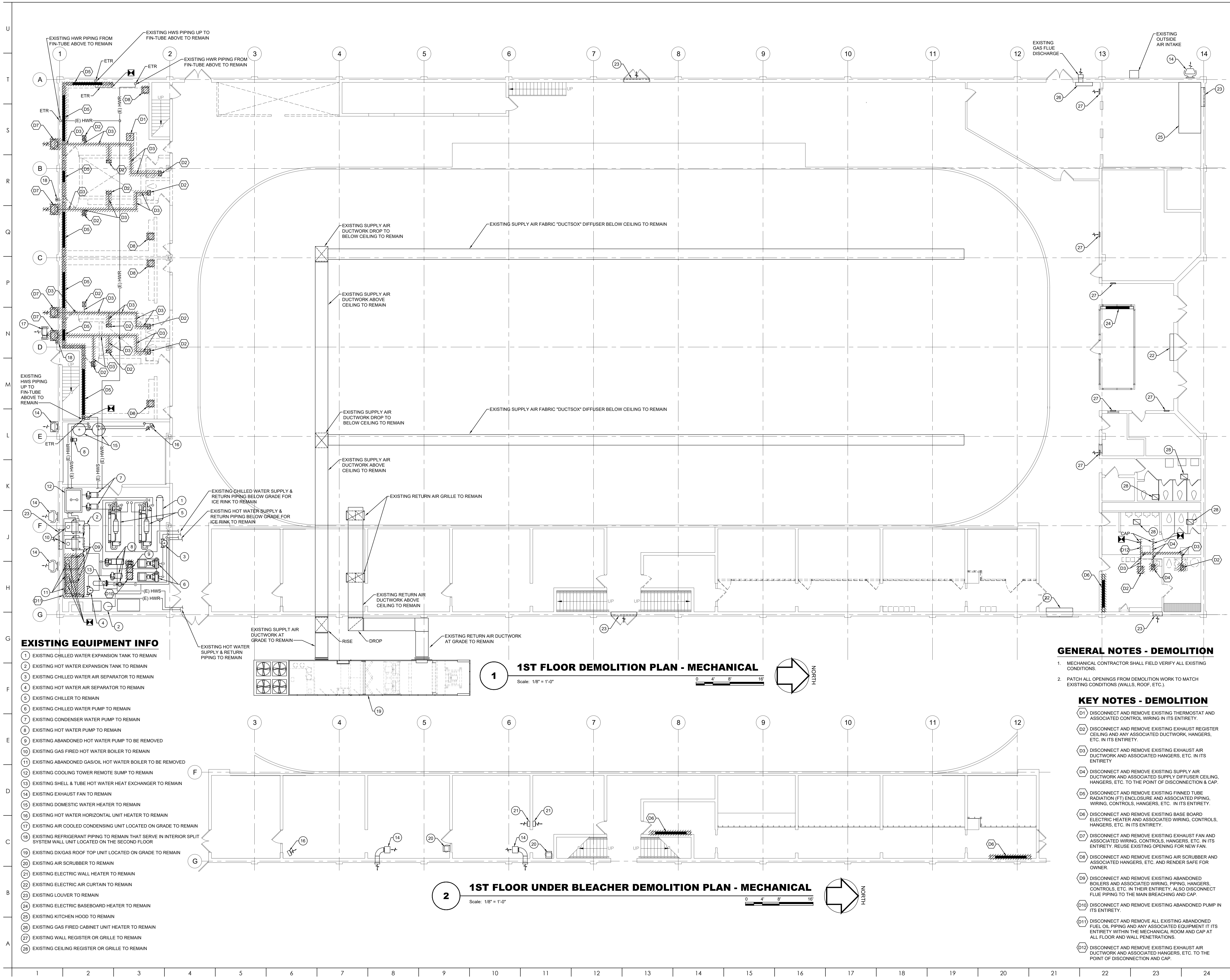
DRAWING TITLE:
SECOND FLOOR
PLAN
STRUCTURAL

DRAWING NO:
S-201

S201 SECOND FLOOR PLAN - STRUCTURAL

1/8" = 1'-0"

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24



ARCHITECT:
BKP ARCHITECTS P.C.
1525 LOCUST STREET
PHILADELPHIA, PA 19102
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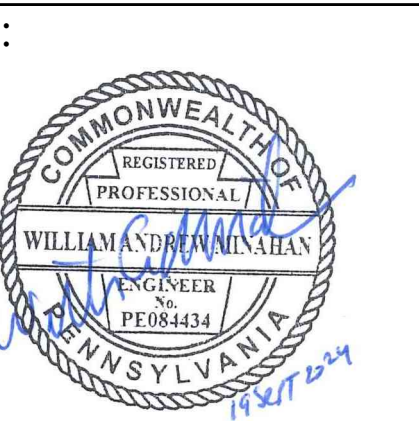
MEP ENGINEER:
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STRUCTURAL ENGINEER:
JBC ENGINEERS
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SUITE 1655
PHILADELPHIA, PA

CLIENT:
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DELAWARE COUNTY
1014 DARBY ROAD
HAVERTOWN, PA 19083-2551

SKATIUM LOCKER ROOM
RENOVATIONS
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

THIS DRAWING IS TO ILLUSTRATE THE WORK TO BE DONE. THE ARCHITECT IS NOT RESPONSIBLE FOR THE MEANS, METHOD, TECHNIQUE, SEQUENCE, AND PROCEDURES USED TO DO THE WORK OR THE SAFETY ASPECTS OF CONSTRUCTION AND NOTING IN THE DRAWING EXPRESSED OR IMPLIED CHANGES THIS CONDITION. CONTRACTOR SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS AN ACKNOWLEDGEMENT OF THESE RESPONSIBILITIES AND THAT THEY HAVE BEEN FULLY CONSIDERED IN PLANNING OF THE WORK AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.



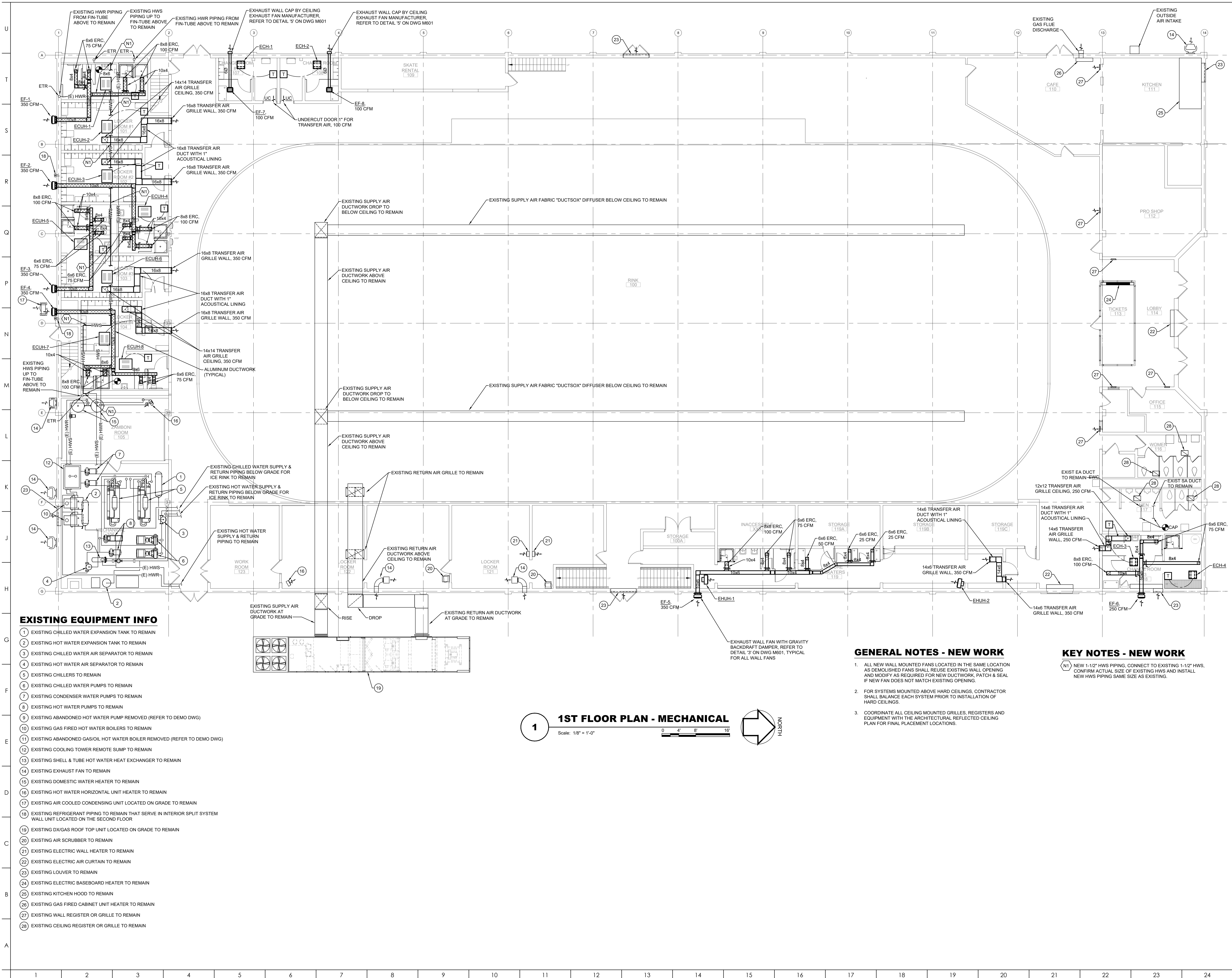
DATE: SEPTEMBER 19, 2024
PROJECT NO: 2024-02
DRAWN BY: WGC
CHECKED BY: WAM
SUBMISSION DATE: 8/19/2024
PERMIT SET DATE: 9/19/2024
BID SET

REVISION	DATE

DRAWING TITLE:
1ST FLOOR HOCKEY
LKR PLAN -
DEMOLITION -
MECHANICAL

DRAWING NO:

M101

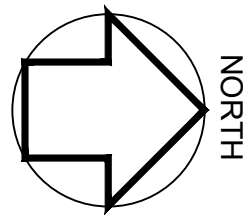


EXISTING EQUIPMENT INFO

- EXISTING CHILLED WATER EXPANSION TANK TO REMAIN
- EXISTING HOT WATER EXPANSION TANK TO REMAIN
- EXISTING CHILLED WATER AIR SEPARATOR TO REMAIN
- EXISTING HOT WATER AIR SEPARATOR TO REMAIN
- EXISTING CHILLERS TO REMAIN
- EXISTING CHILLED WATER PUMPS TO REMAIN
- EXISTING CONDENSER WATER PUMPS TO REMAIN
- EXISTING HOT WATER PUMPS TO REMAIN
- EXISTING ABANDONED HOT WATER PUMP REMOVED (REFER TO DEMO DWG)
- EXISTING GAS FIRED HOT WATER BOILERS TO REMAIN
- EXISTING ABANDONED GAS/OIL HOT WATER BOILER REMOVED (REFER TO DEMO DWG)
- EXISTING COOLING TOWER REMOTE SUMP TO REMAIN
- EXISTING SHELL & TUBE HOT WATER HEAT EXCHANGER TO REMAIN
- EXISTING EXHAUST FAN TO REMAIN
- EXISTING DOMESTIC WATER HEATER TO REMAIN
- EXISTING HOT WATER HORIZONTAL UNIT HEATER TO REMAIN
- EXISTING AIR COOLED CONDENSING UNIT LOCATED ON GRADE TO REMAIN
- EXISTING REFRIGERANT PIPING TO REMAIN THAT SERVE IN INTERIOR SPLIT SYSTEM WALL UNIT LOCATED ON THE SECOND FLOOR
- EXISTING DX/GAS ROOF TOP UNIT LOCATED ON GRADE TO REMAIN
- EXISTING AIR SCRUBBER TO REMAIN
- EXISTING ELECTRIC WALL HEATER TO REMAIN
- EXISTING ELECTRIC AIR CURTAIN TO REMAIN
- EXISTING LOUVER TO REMAIN
- EXISTING ELECTRIC BASEBOARD HEATER TO REMAIN
- EXISTING KITCHEN HOOD TO REMAIN
- EXISTING GAS FIRED CABINET UNIT HEATER TO REMAIN
- EXISTING WALL REGISTER OR GRILLE TO REMAIN
- EXISTING CEILING REGISTER OR GRILLE TO REMAIN

1ST FLOOR PLAN - MECHANICAL

Scale: 1/8" = 1'-0"

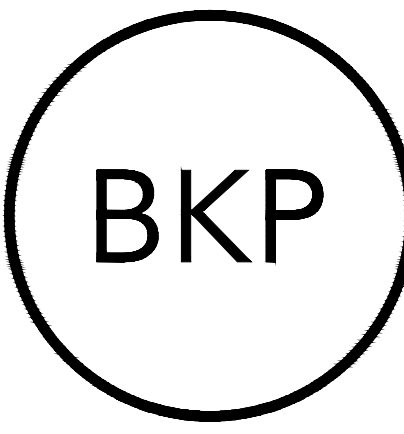


GENERAL NOTES - NEW WORK

- ALL NEW WALL MOUNTED FANS LOCATED IN THE SAME LOCATION AS DEMOLISHED FANS SHALL REUSE EXISTING WALL OPENING AND MODIFY AS REQUIRED FOR NEW DUCTWORK, PATCH & SEAL IF NEW FAN DOES NOT MATCH EXISTING OPENING.
- FOR SYSTEMS MOUNTED ABOVE HARD CEILINGS, CONTRACTOR SHALL BALANCE EACH SYSTEM PRIOR TO INSTALLATION OF HARD CEILINGS.
- COORDINATE ALL CEILING MOUNTED GRILLES, REGISTERS AND EQUIPMENT WITH THE ARCHITECTURAL REFLECTED CEILING PLAN FOR FINAL PLACEMENT LOCATIONS.

KEY NOTES - NEW WORK

- N1 NEW 1-1/2" HWS PIPING, CONNECT TO EXISTING 1-1/2" HWS, CONFIRM ACTUAL SIZE OF EXISTING HWS AND INSTALL NEW HWS PIPING SAME SIZE AS EXISTING.



ARCHITECT:
BKP ARCHITECTS P.C.
1525 LOCUST STREET
PHILADELPHIA, PA 19102
T: 215.557.6509

MEP ENGINEER:
H.F. LENZ CO.
1407 SCALP AVENUE
JOHNSTOWN, PA 15904
T: 814.269.9300

STRUCTURAL ENGINEER:
JBC ENGINEERS
1617 JOHN F KENNEDY BLVD.
SUITE 1655
PHILADELPHIA, PA

CLIENT:
HAVERFORD TOWNSHIP
DELAWARE COUNTY
1014 DARBY ROAD
HAVERTOWN, PA 19083-2551

**SKATIUM LOCKER ROOM
RENOVATIONS**
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

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SEAL:



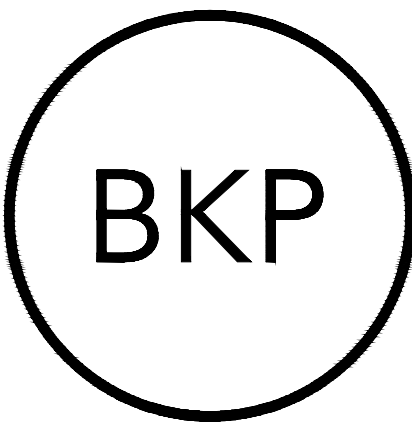
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REVISION	DATE

DRAWING TITLE:
**1ST FLOOR PLAN -
MECHANICAL**

DRAWING NO:

M201



ARCHITECT:
BKP ARCHITECTS P.C.
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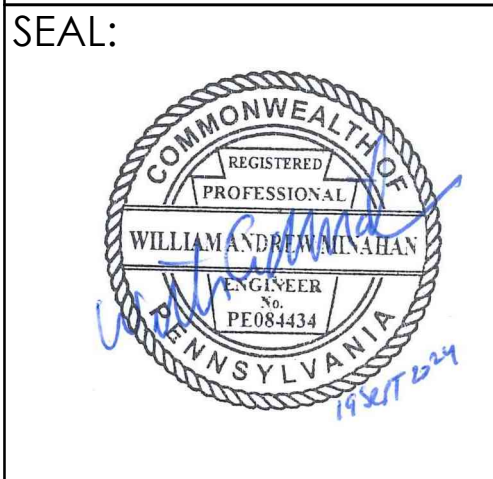
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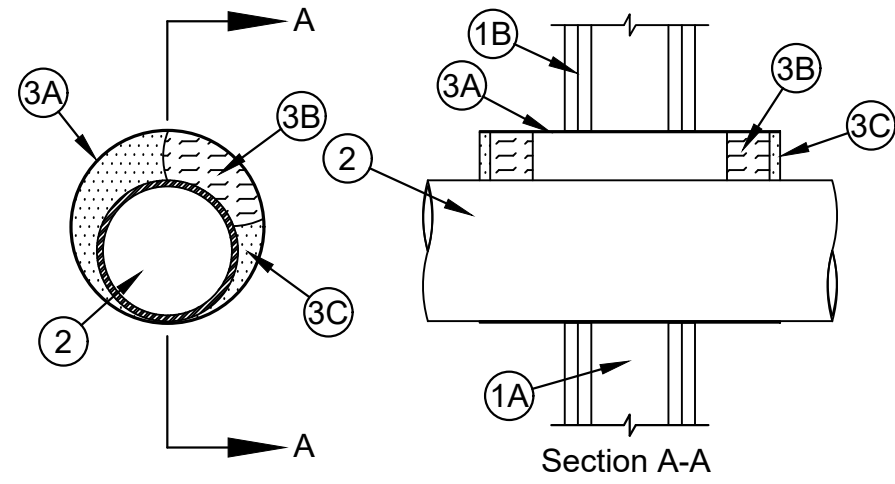
DRAWING TITLE:
DETAILS &
SCHEDULES -
MECHANICAL

DRAWING NO:

M601

System No. W-L-1303

F Rating - 1 and 2 Hr (See Item 1)
T Rating - 14 Hr



NOTES:

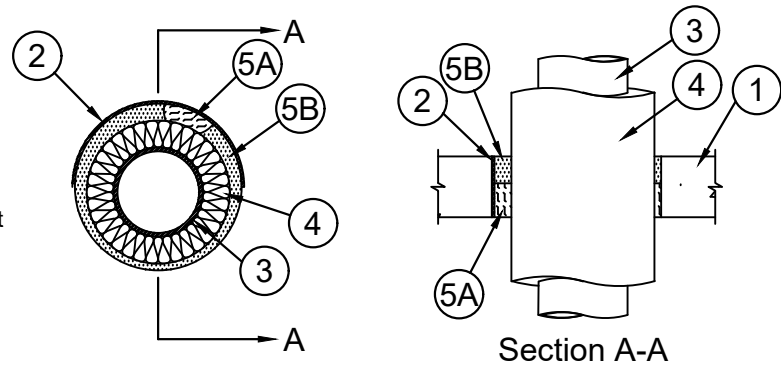
- Wall Assembly - The fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (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.
 - Gypsum Board* - Thickness, type, number of layers and fasteners as required in the individual Wall and Partition Design. Max diam of opening is 16 in. (406 mm). Max diam of opening is 12 in. (305 mm) when wood studs are used.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 tube installed concentrically or eccentrically within the firestop system. Annular space to be min 0 in. (point contact) to max 3 in. (76 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:
 - Steel Pipe - Nom 12 in. (305 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
 - Iron Pipe - Nom 12 in. (305 mm) diam (or smaller) cast or ductile iron pipe.
 - Conduit - Nom 6 in. (152 mm) diam (or smaller) rigid steel conduit, nom 4 in. (102 mm) diam (or smaller) electrical metallic tubing (EMT) or nom 1 in. (25 mm) diam (or smaller) flexible steel conduit.
 - Copper Pipe or Tubing - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe or Type L (or heavier) copper tube.
- Firestop System - The firestop system shall consist of the following:
 - Metallic Sleeve - Cylindrical sleeve fabricated from min 0.016 in. (0.41 mm) thick (30 gauge) galv sheet steel and having a min 1 in. (25 mm) lap along the longitudinal seam. Sheet steel coated to a diam less than circular cutouts in wall assembly, inserted through both sides of wall and allowed to uncoat against the circular cutouts in the wall assembly. Sleeve to be installed flush with or extending max 4 in. (102 mm) beyond each surface of the wall assembly.
 - Packing Material - Min 2 in. (51 mm) thickness of nom 4 pcf (64 kg/m³) mineral wool batt insulation tightly-packed into ends of steel sleeve and recessed to accommodate required thickness of fill material (Item 3C).
 - Fill, Void or Cavity Materials* - Sealant - Min 1/2 in. (13 mm) thickness of fill material applied within annular space flush with edges of steel sleeve on both sides of the wall assembly. Nom 1/4 in. (6 mm) diam bead of fill material to be applied at the point contact location between the metallic penetrant and the steel sleeve. Additional nom 1/4 in. (6 mm) diam bead of fill material applied at the steel sleeve/gypsum board interface when sleeve projects beyond the surface of the wall assembly.

FIRE/SMOKE WALL PENETRATION DETAIL #1

NOT TO SCALE

System No. C-AJ-5312

F Rating - 2 Hr
T Rating - 1 Hr
L Rating At Ambient - Less Than 1 CFM/sq ft
L Rating At 400 F - Less Than 1 CFM/sq ft
W Rating - Class 1 (See Item 4A)

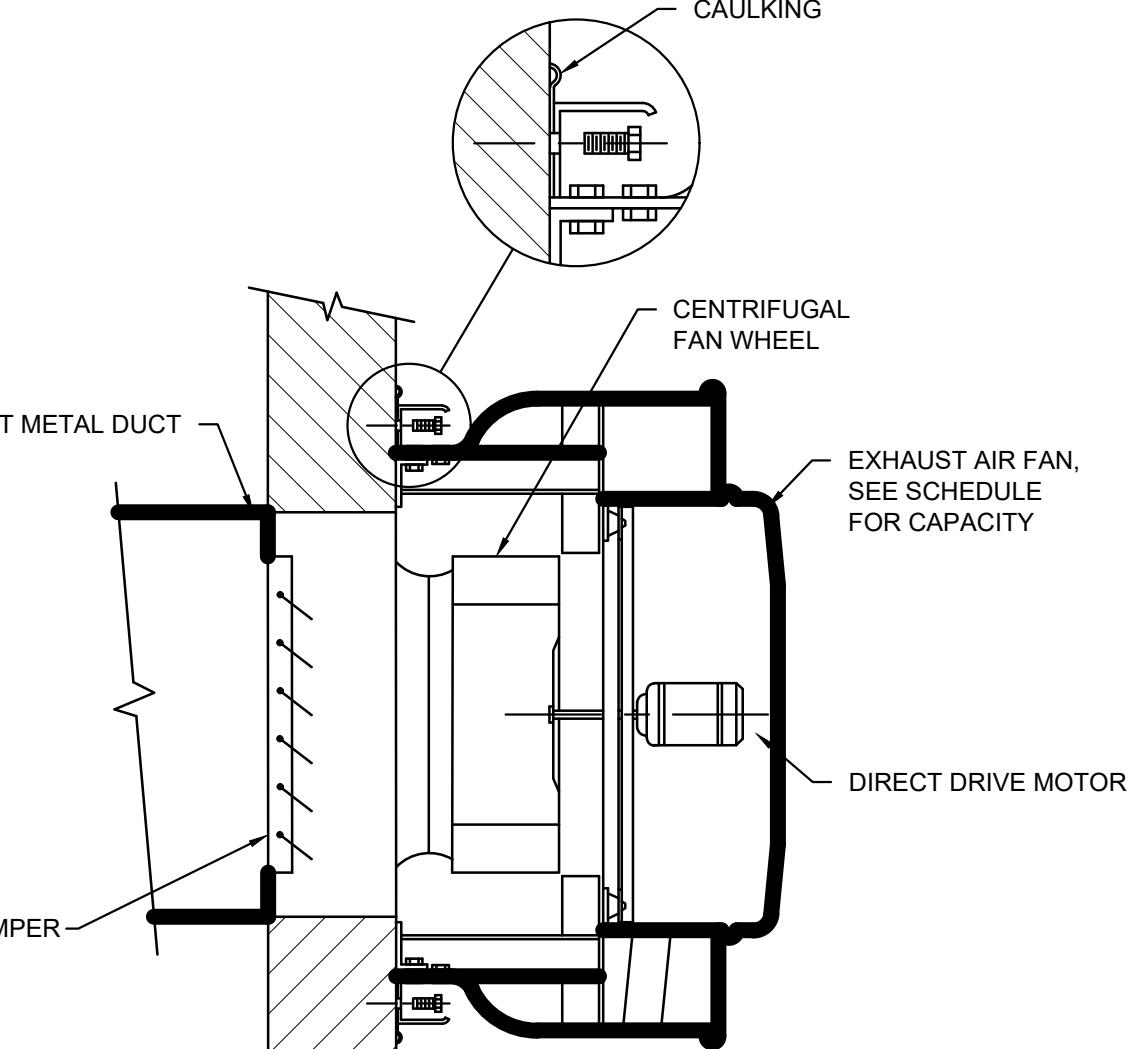


NOTES:

- Floor Assembly - Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Min thickness of concrete wall is 6-1/2 in. (165 mm). Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 10 in. (254 mm). See Concrete Blocks (CAZT) in Fire Resistance Directory for names of manufacturers.
 - Steel Sleeve - (Optional) - Nom 10 in. (254 mm) diam (or smaller) Schedule 10 (or heavier) steel sleeve cast into floor assembly. As an alternate, nom 10 in. (254 mm) diam (or smaller) sleeve fabricated from nom 0.019 in. (0.48 mm) thick galv steel cast into floor assembly flush with floor surfaces.
 - Through Penetrant - One metallic pipe or tubing to be installed concentrically or eccentrically within opening. Penetrant to be rigidly supported on both sides of floor. The following types and sizes of metallic pipe or tube may be used:
 - Steel Pipe - Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - Iron Pipe - Nom 4 in. (102 mm) diam (or smaller) cast or ductile iron pipe.
 - Copper Pipe - Nom 4 in. (102 mm) diam (or smaller) Type M (or heavier) copper tube.
 - Copper Tubing - Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
 - Pipe Covering* - Max 2 in. (51 mm) thick hollow cylindrical heavy density glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt strip tape supplied with the product. The annular space between the pipe covering and the edge of the opening shall be min 1/4 in. (6 mm) to max 1-5/8 in. (41 mm). See Pipe and Equipment Covering - Materials* (BRGU) category in Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
 - PVC Jacket* - (Not Shown) - An additional PVC jacket, supplied in sheet form, shall be tightly wrapped around the all service jacket on the pipe covering when a W Rating is required in floor assemblies. The longitudinal seam of the PVC jacket shall be continuously sealed using the adhesive supplied with the jacket. The jacket is to be nom 48 in. (1.22 m) wide by nom 20 or 30 mil (0.5 or 0.8 mm) thick. The PVC jacket shall be positioned with its top edge located 37 in. to 40 in. (0.94 to 1.02 m) above the top surface of the floor assembly and shall extend downward into and/or through the floor opening.
- See Plastics (DMFZ2) 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 94-0VA may be used.
- Firestop System - The details of the firestop system shall be as follows:
- Packing Material - Min 2-1/2 in. (64 mm) thickness of firmly packed mineral wool batt insulation used as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall to accommodate the required thickness of fill material (Item 5B).
 - Fill, Void or Cavity Material* - Sealant - Min 2 in. (51 mm) thickness of fill material applied in annular space flush with top surface of floor or with both surfaces of wall.
- SPECIFIED TECHNOLOGIES INC. - Penel 300 Sealant or SpecSeal Series SIL300 Sealant for floors and walls and Penel 300 SL Sealant or SpecSeal Series SIL300SL Sealant for floors only.
- *Bearing the UL Classification Mark
- *Bearing the UL Recognized Component Marking

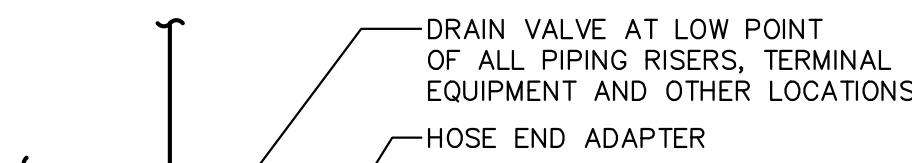
THROUGH PENETRATION - CONCRETE FLOOR OR WALL METALLIC PIPE OR CONDUIT

NOT TO SCALE



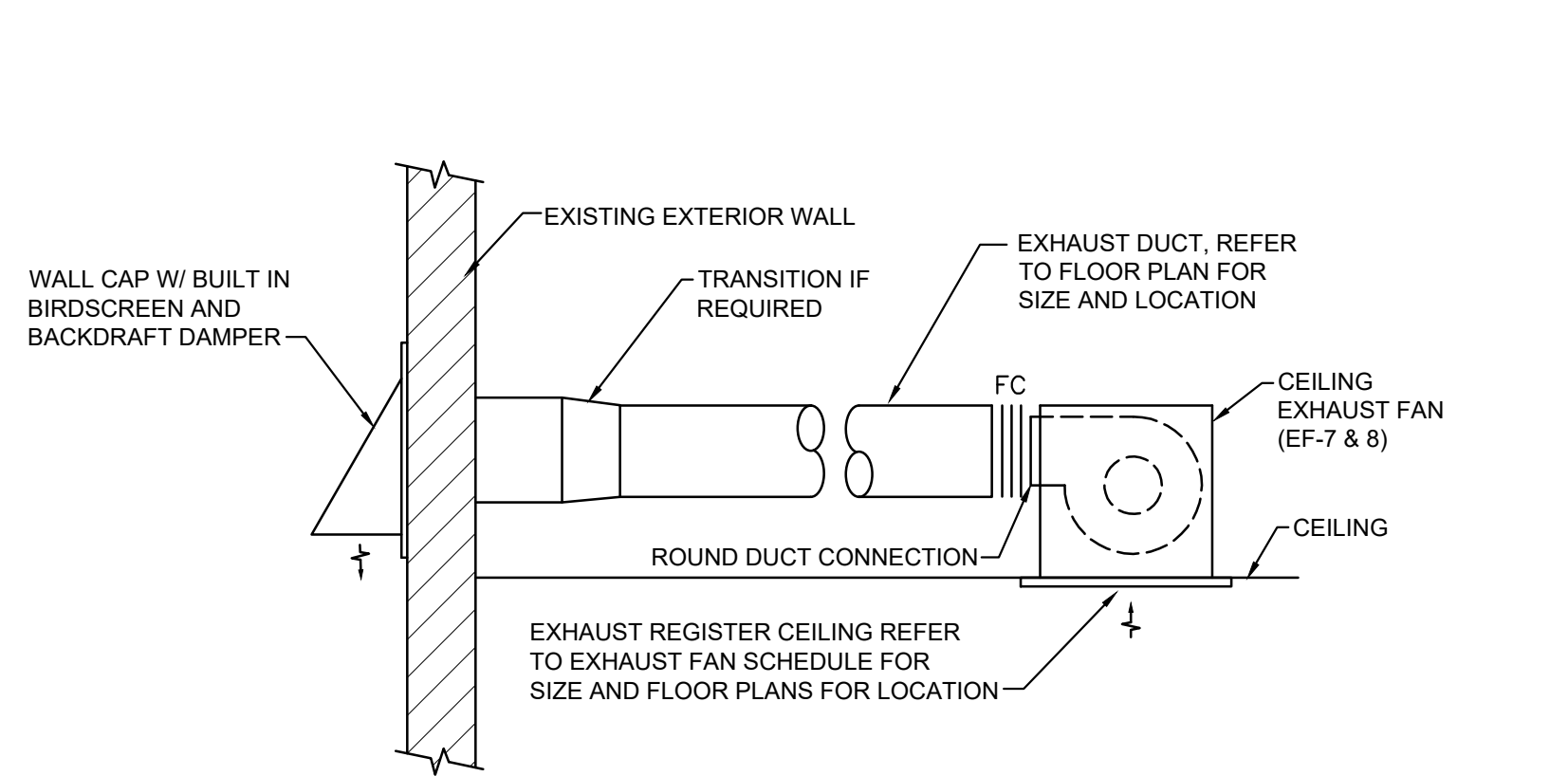
UB WALL TYPE EXHAUST FAN DETAIL

NOT TO SCALE



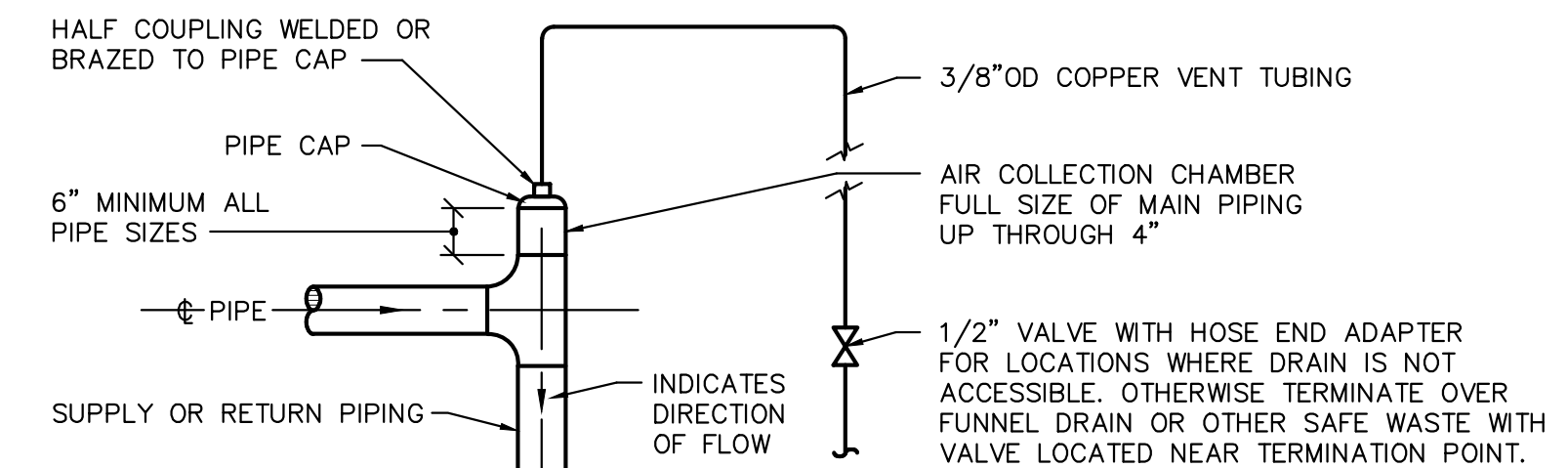
PIPING SYSTEM DRAIN DETAIL

NOT TO SCALE



CEILING EXHAUST FAN TO WALL CAP DETAIL

NOT TO SCALE

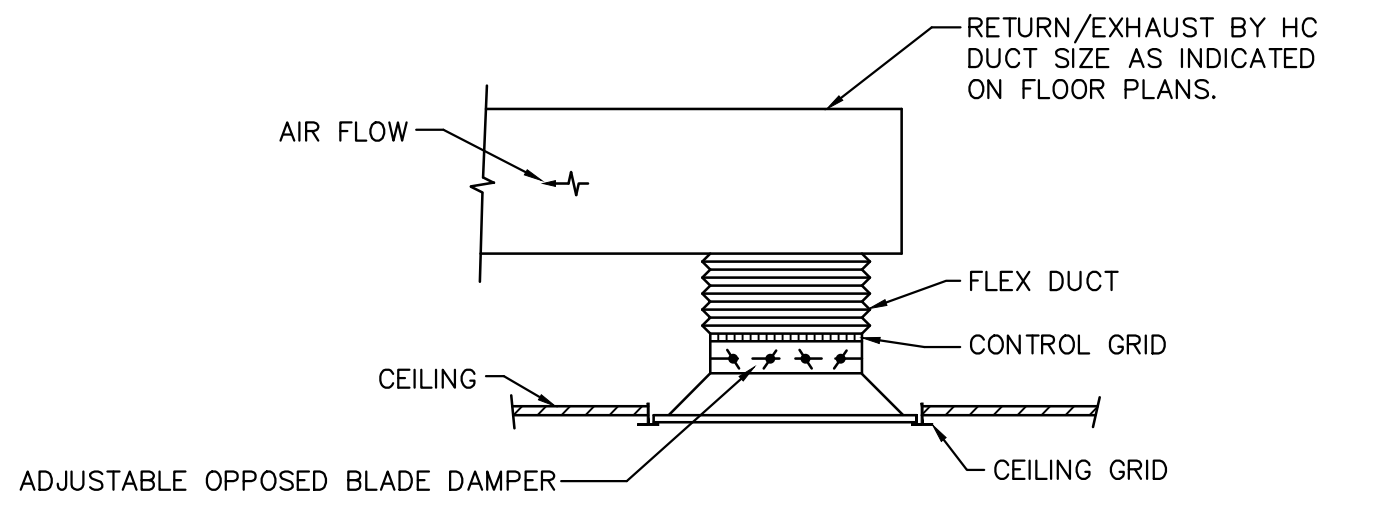


MANUAL AIR VENT FOR MAINS 4" DIA OR SMALLER

NOT TO SCALE

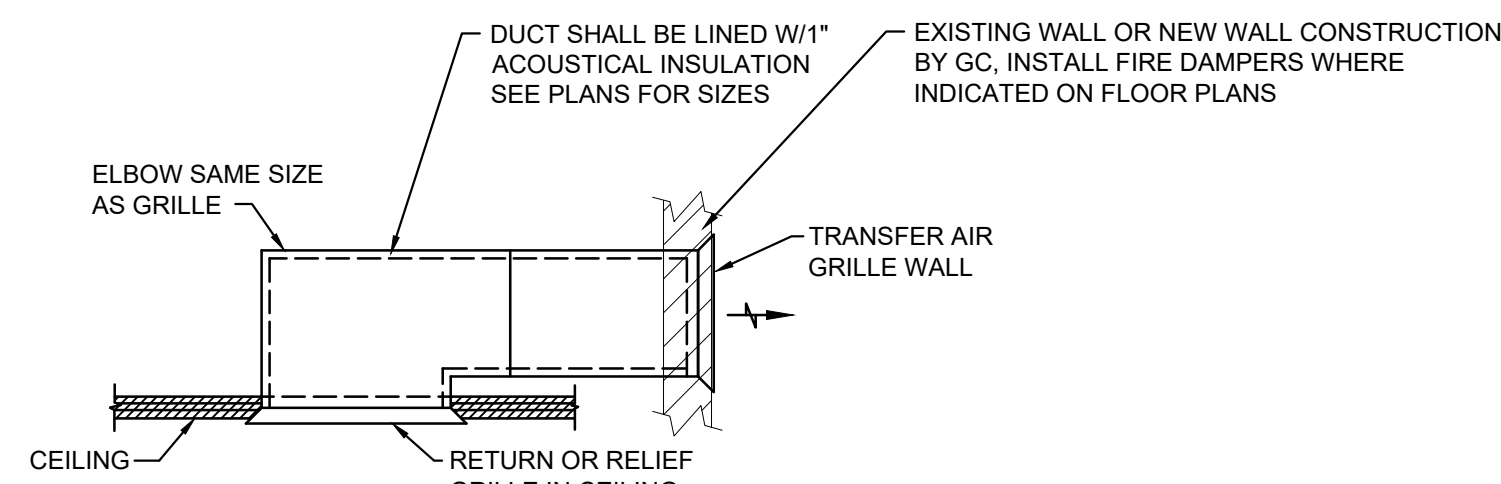
RETURN/EXHAUST GRILLES TYPICAL CONNECTION

NOT TO SCALE



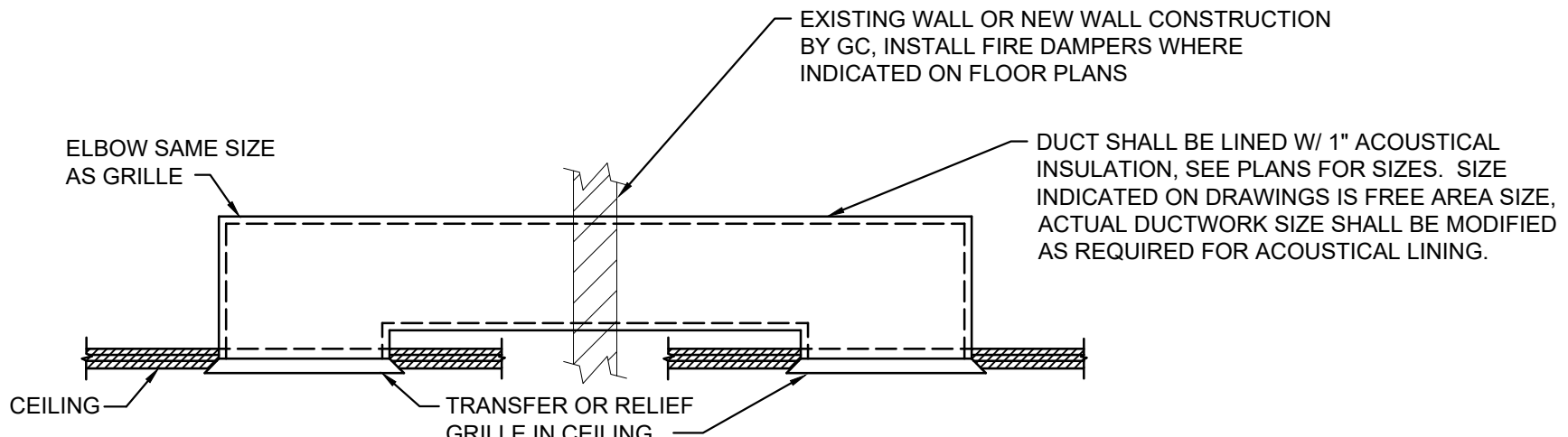
RELIEF/TRANSFER AIR GRILLE BOX DETAIL #1

NOT TO SCALE



RELIEF/TRANSFER AIR GRILLE BOX DETAIL #2

NOT TO SCALE



- NOTE:
- PROVIDE "Z" BEND WHERE INDICATED ON DRAWINGS
 - DO NOT PROVIDE TURNING VANES IN TRANSFER DUCTWORK

EXHAUST FAN SCHEDULE													
SYMBOL	LOCATION	SERVES	TYPE	ROOF OR WALL OPENING (SIZE)	SYSTEM CFM	FAN CFM	RPM	STATIC PRESSURE	TIP SPEED	DRIVE	HP	ELECT CHAR	CONTROL TYPE
EF-1	SOUTH WALL	LOCKER ROOM #1 - 101	UB WALL FAN	15" x 15"	350	350	1631	0.375	4643	DIRECT	1/10	1-60-120V	INTERLOCK WITH OCC SENSOR
EF-2	SOUTH WALL	LOCKER ROOM #2 - 102	UB WALL FAN	15" x 15"	350	350	1631	0.375	4643	DIRECT	1/10	1-60-120V	INTERLOCK WITH OCC SENSOR
EF-3	SOUTH WALL	LOCKER ROOM #3 - 103	UB WALL FAN	15" x 15"	350	350	1631	0.375	4643	DIRECT	1/10	1-60-120V	INTERLOCK WITH OCC SENSOR
EF-4	SOUTH WALL	LOCKER ROOM #4 - 104	UB WALL FAN	15" x 15"	350	350	1631	0.375	4643	DIRECT	1/10	1-60-120V	INTERLOCK WITH OCC SENSOR
EF-5	EAST WALL	FEMALE FIG SKTRs - 119	UB WALL FAN	15" x 15"	350	350	1631	0.375	4643	DIRECT	1/10	1-60-120V	INTERLOCK WITH OCC SENSOR
EF-6	EAST WALL	M FIG SKTRs/REFS - 118	UB WALL FAN	13" x 13"	250	250	1707	0.375	3631	DIRECT	1/15	1-60-120V	INTERLOCK WITH OCC SENSOR
EF-7	CEILING	FEMALE LOCKER RM - 107	UB WALL FAN	6"Ø	100	100	1053	0.25	-	DIRECT	18W	1-60-120V	INTERLOCK WITH OCC SENSOR
EF-8	CEILING	FEMALE LOCKER RM - 108	UB WALL FAN	6"Ø	100	100	1053	0.25	-	DIRECT	18W	1-60-120V	INTERLOCK WITH OCC SENSOR

NOTE:

- ADJUST BELT DRIVEN FANS TO PROVIDE SYSTEM CFM. PROVIDE SPEED CONTROL FOR DIRECT DRIVE FANS TO PROVIDE SYSTEM CFM WITHOUT EC (VG VARI-GREEN) MOTORS.
- EF-1, EF-2, EF-3, EF-4, EF-5 & EF-6: PROVIDE THE FOLLOWING OPTIONS AND ACCESSORIES:
 - VARI-GREEN (VG) EC MOTOR & DIAL FOR BALANCING CONTROL
 - SIDEWALL MOUNTING - FAN CONFIGURED FOR WALL-MOUNTED APPLICATIONS WITH WALL BRACKET AND GRAVITY BACKDRAFT DAMPER
- EF-7 & EF-8: PROVIDE THE FOLLOWING OPTIONS AND ACCESSORIES:
 - SOLID STATE SPEED CONTROL
 - 6" ROUND HOODED WALL CAP WITH BACKDRAFT DAMPER (COLOR AS SELECTED BY THE ARCHITECT)
 - ALUMINUM FAN WHEEL
 - MOTOR RATED FOR CONTINUOUS USE WITH THERMAL OVERLOAD

CABINET UNIT HEATER SCHEDULE (ELECTRIC)									
SYMBOL	CFM	KW	FAT °F	MOTOR	AMPS	ELECT CHAR	RECESS	MOUNTED	REMARKS
ECUH-1	200	3	107	ECM	10.9	1-60-277V	FLUSH	CEILING	TRANE FORCE FLO MODEL FFE02023A**D0F1CAU00-030-00400
ECUH-2	200	3	107	ECM	10.9	1-60-277V	FLUSH	CEILING	TRANE FORCE FLO MODEL FFE02023A**D0F1CAU00-030-00400
ECUH-3	200	3	107	ECM	10.9	1-60-277V	FLUSH	CEILING	TRANE FORCE FLO MODEL FFE02023A**D0F1CAU00-030-00400
ECUH-4	200	3	107	ECM	10.9	1-60-277V	FLUSH	CEILING	TRANE FORCE FLO MODEL FFE02023A**D0F1CAU00-030-00400
ECUH-5	200	3	107	ECM	10.9	1-60-277V	FLUSH	CEILING	TRANE FORCE FLO MODEL FFE02023A**D0F1CAU00-030-00400
ECUH-6	200	3	107	ECM	10.9	1-60-277V	FLUSH	CEILING	TRANE FORCE FLO MODEL FFE02023A**D0F1CAU00-030-00400
ECUH-7	200	3	107	ECM	10.9	1-60-277V	FLUSH	CEILING	TRANE FORCE FLO MODEL FFE02023A**D0F1CAU00-030-00400
ECUH-8	200	3	107	ECM	10.9	1-60-277V	FLUSH	CEILING	TRANE FORCE FLO MODEL FFE02023A**D0F1CAU00-030-00400

NOTE:

- FAT BASED ON 60°F ENTERING AIR TEMPERATURE.
- PROVIDE 1" THROWAWAY MERV 8 FILTERS + 1 EXTRA FOR EACH UNIT.

CEILING HEATER SCHEDULE (ELECTRIC)						
SYMBOL	SERVES	CFM	AMPS	ELECT CHAR	KW	REMARKS
ECH-1	FEMALE LOCKER ROOM 107	300	7.2	1-60-277V	2	FULL CEILING QMARK MODEL CDF-547
ECH-2	FEMALE LOCKER ROOM 108	300	7.2	1-60-277V	2	FULL CEILING QMARK MODEL CDF-547
ECH-3	MEN FIG SKTR/REFS 118	300	14.4	1-60-277V	4	FULL CEILING QMARK MODEL CDF-547
ECH-4	WATER ROOM 118A	300	7.2	1-60-277V	2	FULL CEILING QMARK MODEL CDF-547

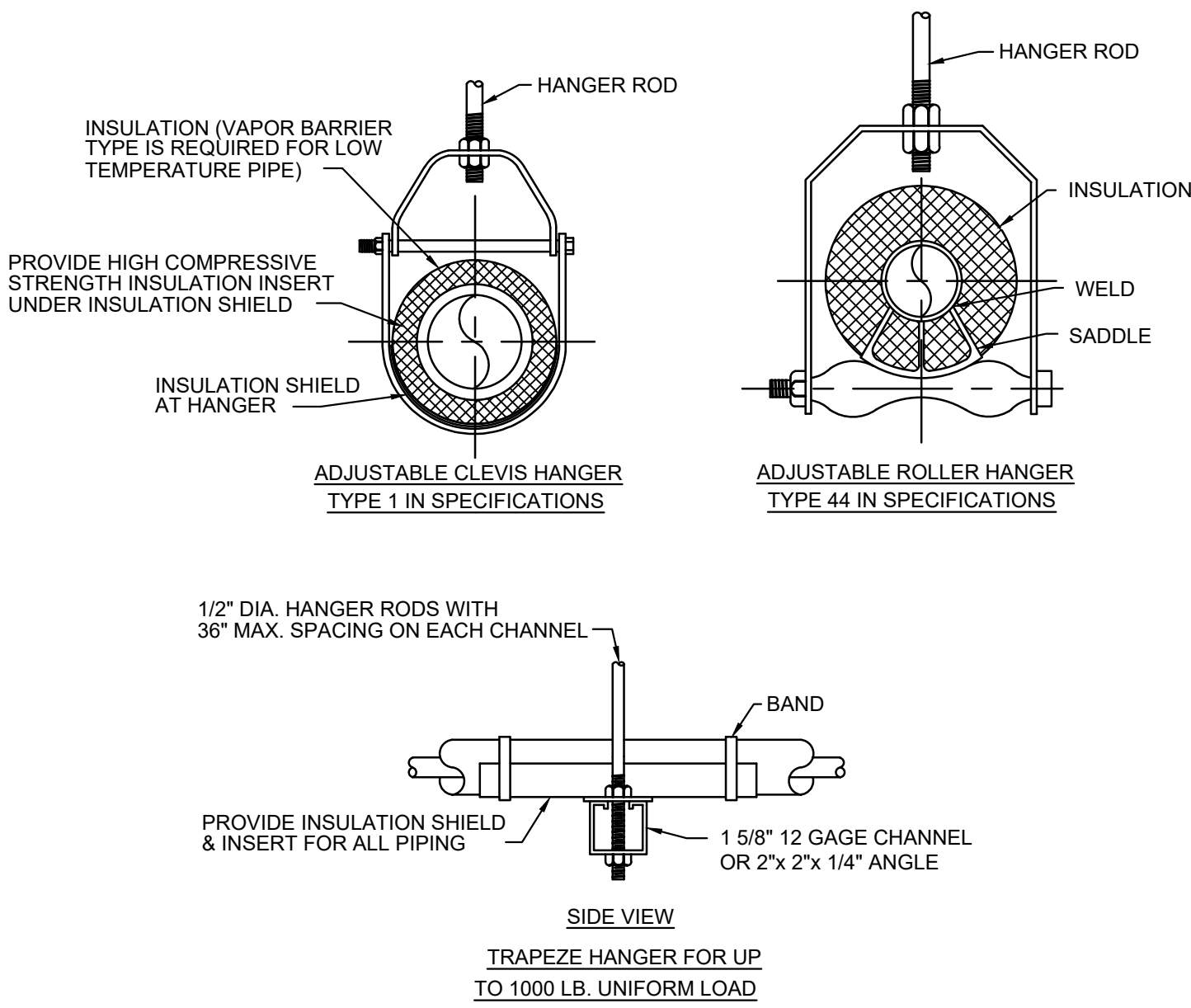
NOTE:

- PROVIDE A LINE VOLTAGE REMOTE WALL THERMOSTAT.

HORIZONTAL UNIT HEATER SCHEDULE (ELECTRIC)								
SYMBOL	CFM	RPM	HP	ELECT CHAR	KW	FAT °F	MOUNTING HEIGHT	REMARKS
EHUH-1	650	1600	1/30	3-60-480V	7.5	97	8'-0"	QMARK MODEL MUH-07-4
EHUH-2	650	1600	1/30	3-60-480V	7.5	97	8'-0"	QMARK MODEL MUH-07-4

NOTE:

- CAPACITIES BASED ON 60°F EAT.



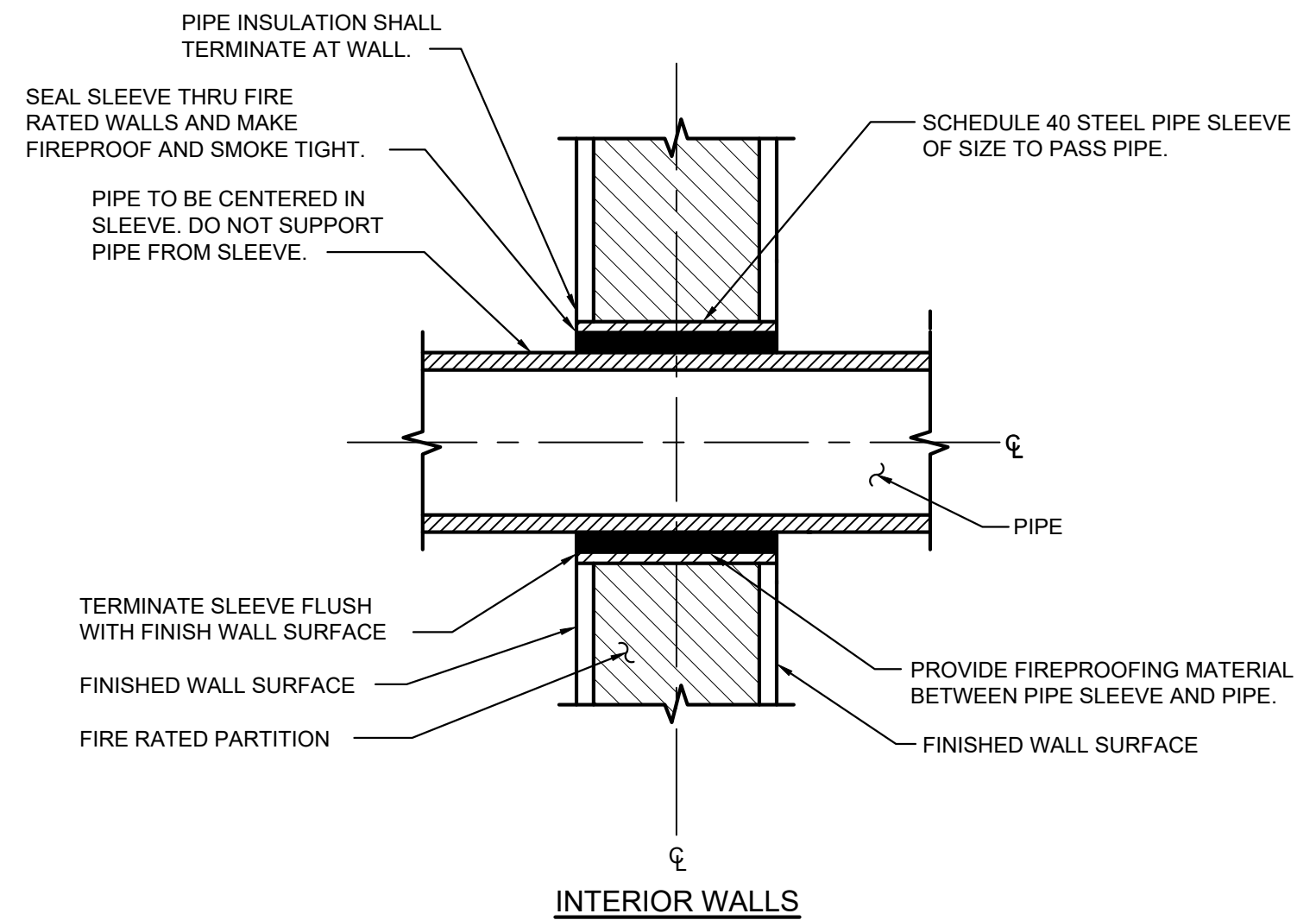
- NOTE:
- FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.

PIPE HANGER DETAIL

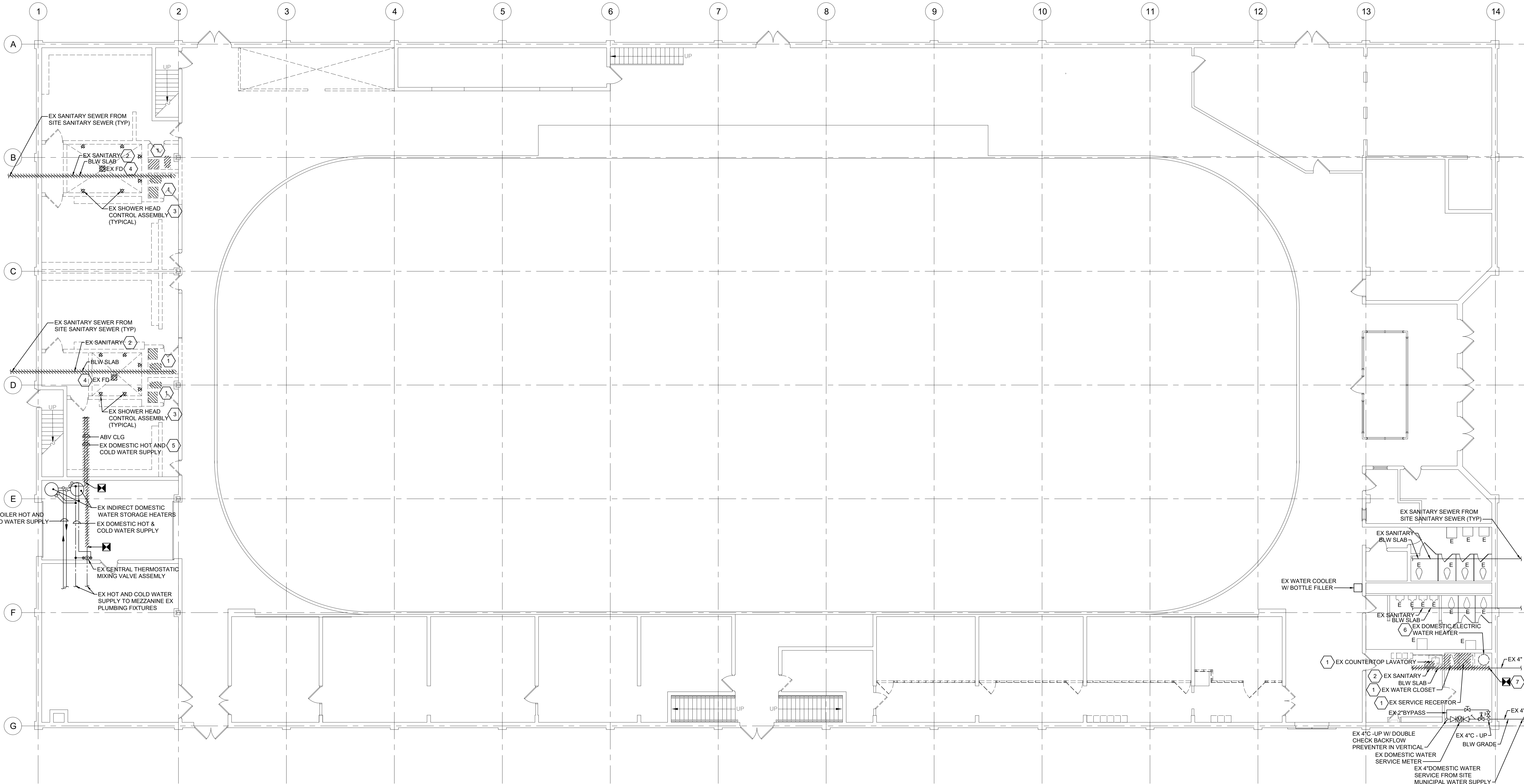
NOT TO SCALE

PIPE SLEEVE THRU FIRE-RATED WALL DETAIL

NOT TO SCALE



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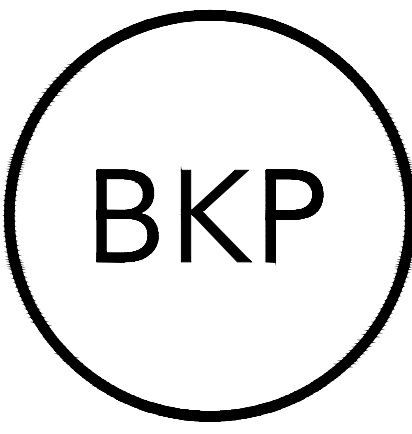
1 1ST FLOOR HOCKEY LCRM PLAN - DEMOLITION - PLUMBING
Scale: 1/8" = 1'-0"
0 4' 8' 16'
NORTH

NOTES ELSEWHERE ON THIS DRAWING

- 1 REMOVE EXISTING PLUMBING FIXTURES AND ASSOCIATED SANITARY, WASTE, VENT AND WATER PIPING. (TYPICAL)
- 2 REMOVE EXISTING SANITARY WASTE PIPING TO ACCOMMODATE THE RENOVATED LAYOUT IN THE AREA. THE CONTRACTOR SHALL DETERMINE AND VERIFY THE EXACT LOCATION AND ELEVATION OF THE EXISTING LINE AT THE SITE. (TYPICAL)
- 3 REMOVE EXISTING SHOWER FLOOR DRAIN AND ASSOCIATED PIPING. (TYPICAL)
- 4 REMOVE EXISTING SHOWER HEAD, CONTROL VALVE ASSEMBLY AND ASSOCIATED PIPING. (TYPICAL)
- 5 REMOVE EXISTING DOMESTIC HOT AND COLD WATER PIPING TO ACCOMMODATE THE DEMOLITION OF THE EXISTING PLUMBING FIXTURES FOR THE RENOVATED CONSTRUCTION IN THIS AREA. THE CONTRACTOR SHALL DETERMINE AND VERIFY THE EXACT LOCATION AND ELEVATION OF THE EXISTING LINE(S) AT THE SITE. (TYPICAL)
- 6 THE EXISTING ELECTRIC WATER STORAGE HEATER TO REMAIN AS PART OF THE RENOVATED BUILDING SYSTEM AND LAYOUT. THE CONTRACTOR SHALL DETERMINE AND VERIFY THE EXISTING CONDITIONS AT THE SITE PRIOR TO THE START OF WORK.
- 7 POINT OF DISCONNECTION OF EXISTING SANITARY SEWER. THE EXISTING SANITARY SEWER EXITING THE BUILDING SHALL REMAIN WITH THE CONNECTED RENOVATED PIPING SYSTEM. THE CONTRACTOR SHALL DETERMINE AND VERIFY THE EXACT SIZE, LOCATION AND ELEVATION OF THE EXISTING LINE AT THE SITE PRIOR TO START OF WORK. (TYPICAL)

REFERENCE NOTES:

1. REFER TO PLUMBING DRAWING P001 FOR SYMBOLS, ABBREVIATIONS, GENERAL NOTES AND DETAILS.
2. REFER TO PLUMBING DRAWING P701 FOR FIXTURE AND EQUIPMENT SCHEDULES AND DETAILS.
3. THE CONTRACTOR SHALL DETERMINE AND VERIFY THE EXISTING SIZE, LOCATION, ELEVATION AND CONDITION OF THE EXISTING SANITARY SEWER AND DOMESTIC WATER LINES AT THE SITE. THE INFORMATION WAS OBTAINED FROM A BLUEPRINT COPY OF THE ORIGINAL SITE PLAN OF THE FACILITY. THERE ARE NO EXISTING BUILDING PLUMBING PIPING DRAWINGS AVAILABLE.



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HAVERTOWN, PA 19083-2551

**SKATIUM LOCKER ROOM
RENOVATIONS**
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

THIS DRAWING IS TO ILLUSTRATE THE WORK TO BE DONE. THE ARCHITECT IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES USED TO DO THE WORK OR THE SAFETY ASPECTS OF CONSTRUCTION AND NOTHING ON THIS DRAWING EXPRESSED OR IMPLIED CHANGES THIS CONDITION. CONTRACTOR SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS AN ACKNOWLEDGEMENT OF THESE RESPONSIBILITIES AND THAT THEY HAVE BEEN FULLY CONSIDERED IN PLANNING OF THE WORK AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.

SEAL:



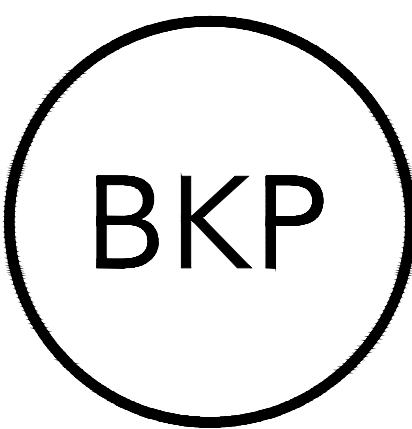
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REVISION	DATE

DRAWING TITLE:
**1ST FLOOR HOCKEY
LCRM PLAN -
DEMOLITION -
PLUMBING**

DRAWING NO:
P101

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24



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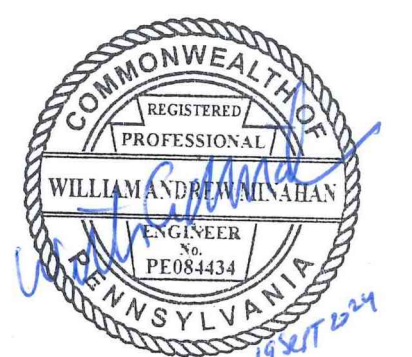
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HAVERTOWN, PENNSYLVANIA 19083

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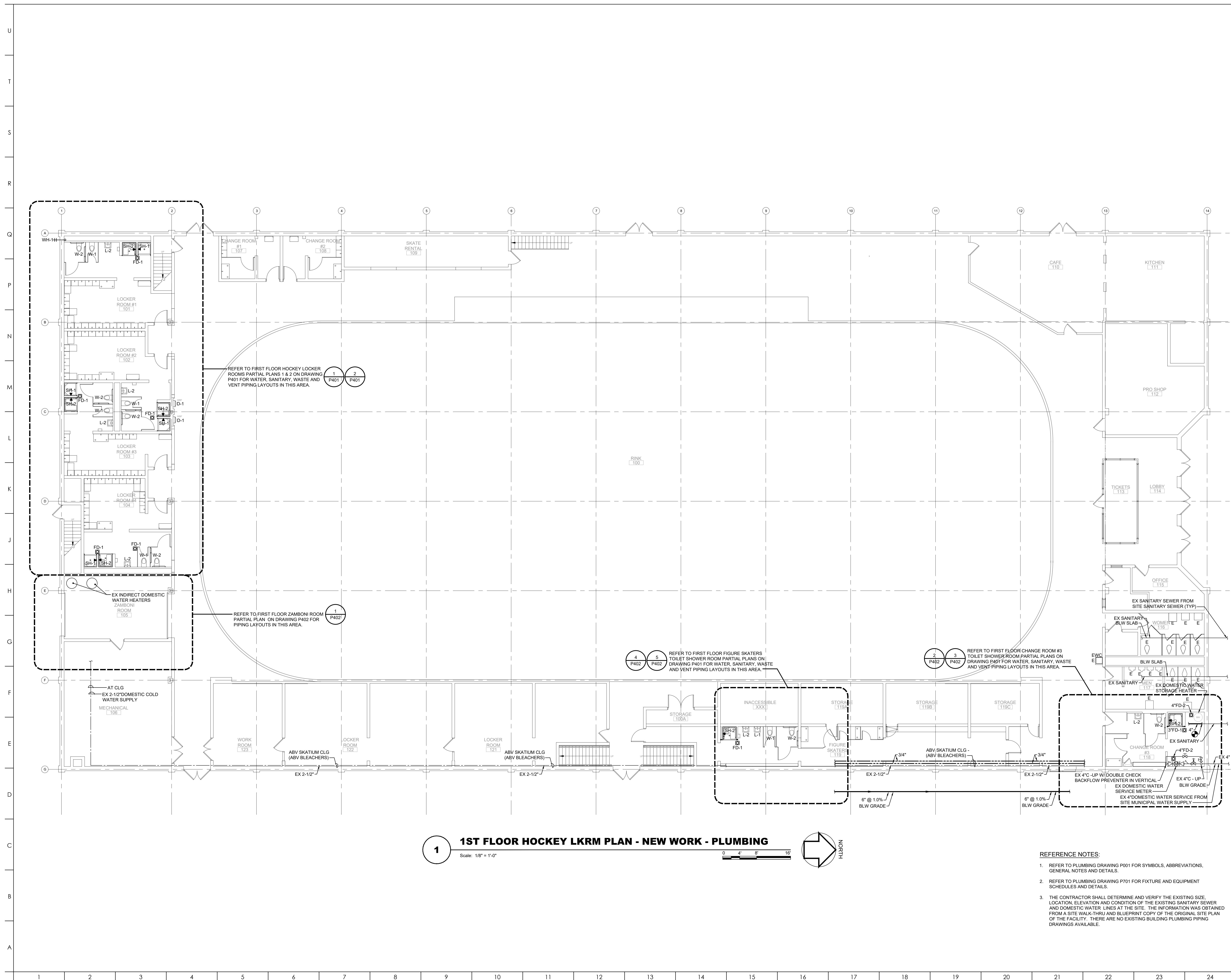
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DRAWING TITLE:
1ST FLOOR HOCKEY
LCRM PLAN - NEW
WORK - PLUMBING

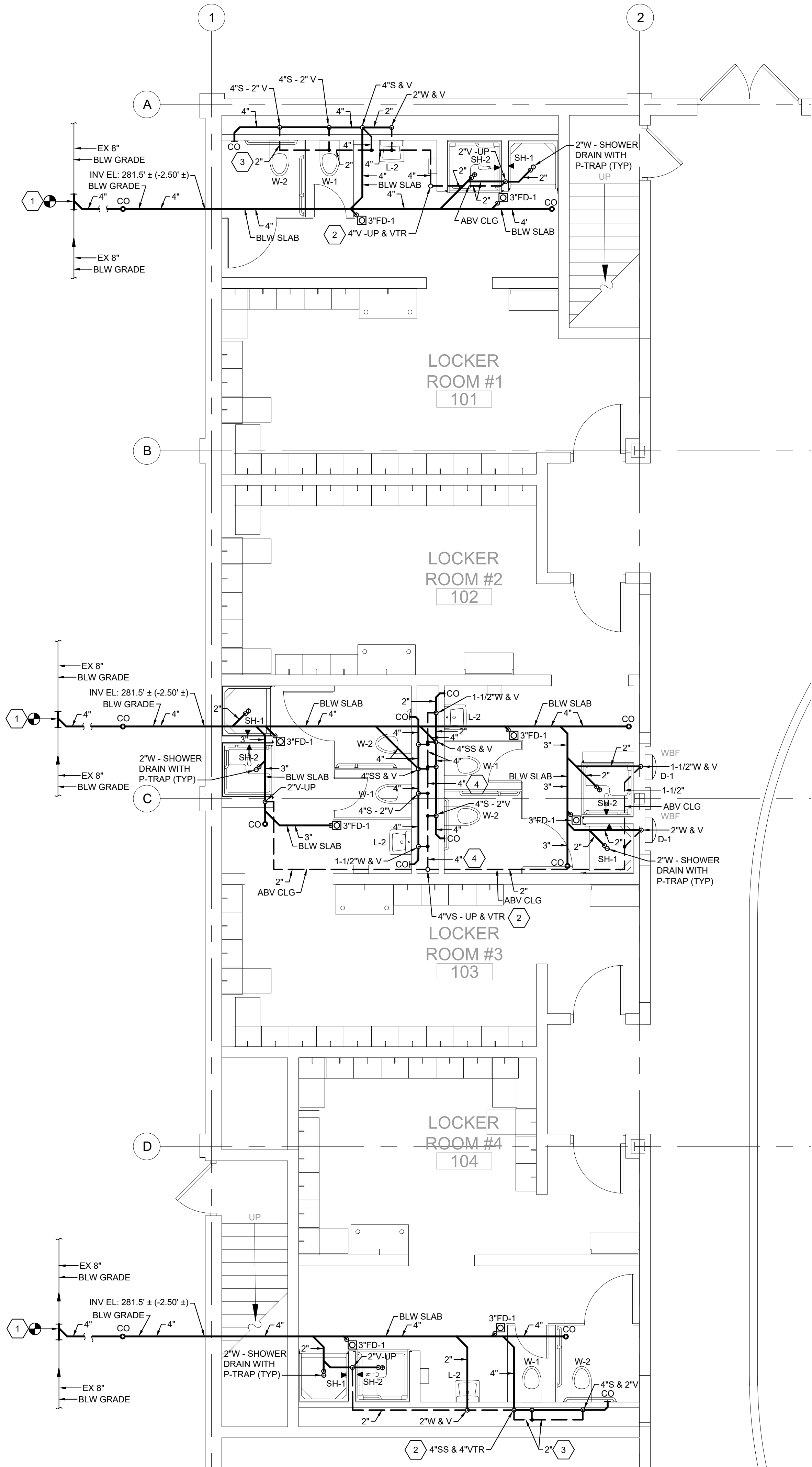
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P201



NOTES ELSEWHERE ON THIS DRAWING

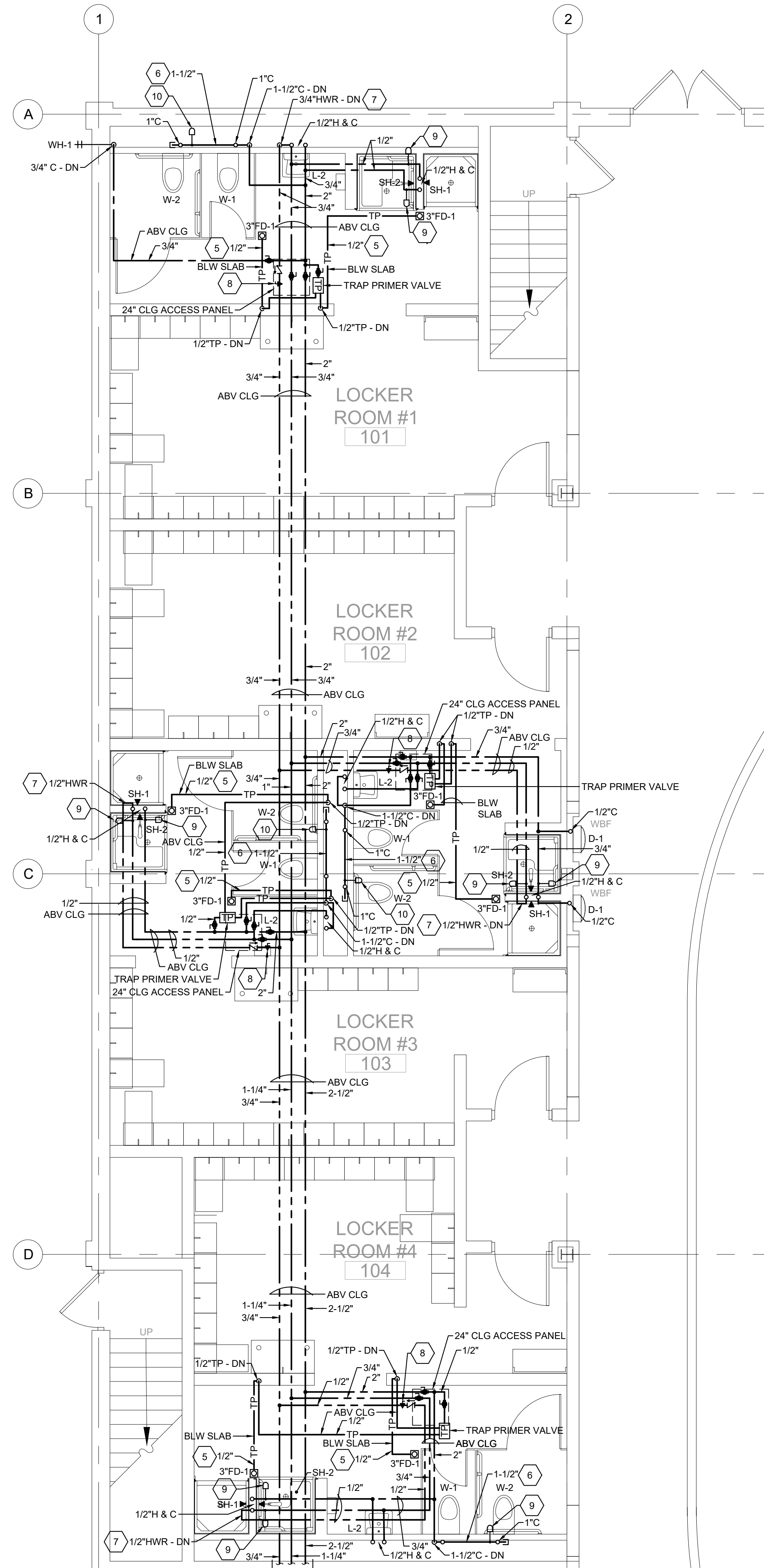
- 1 EXTEND AND CONNECT 4" SANITARY LINE WITH CLEANOUT TO FINISH GRADE TO THE EXISTING SITE SANITARY SEWER LINE. (THE EXISTING LINE RUNS ADJACENT TO THE BUILDING EXTERIOR WALL - APPROXIMATELY 4'-6" - 8'-0" FROM BUILDING) THE CONTRACTOR SHALL DETERMINE AND VERIFY THE EXACT SIZE, LOCATION, ELEVATION AND POINT OF CONNECTION TO THE EXISTING LINE PRIOR TO THE START OF WORK. (TYPICAL)
- 2 EXTEND 4" PLUMBING VENT UP THRU BUILDING ROOF AND TERMINATE 24" ABOVE THE FINISH ROOF. THE CONTRACTOR SHALL DETERMINE AND VERIFY THE REQUIREMENTS OF THE ROOF WARRANTY AND CONSTRUCTION PRIOR TO MAKING ROOF PENETRATIONS.
- 3 RUN VENT PIPING IN PIPE CHASE AT A MINIMUM OF 12" ABOVE THE FLOOD RIM OF THE HIGHEST CONNECTED FIXTURE. (TYPICAL)
- 4 RUN FULL SIZE VENT PIPING HEADER IN PIPE CHASE AT A MINIMUM OF 12" ABOVE THE FLOOD RIM OF THE HIGHEST CONNECTED FIXTURE. (TYPICAL)
- 5 RUN TRAP PRIMER LINE IN PIPE SLEEVE BELOW SLAB. EXTEND AND CONNECT TO FLOOR DRAIN TRAP PRIMER CONNECTION. (TYPICAL)
- 6 RUN FULL SIZE WATER SUPPLY HEADER ALONG WALL IN PIPE CHASE NEAR THE FIXTURE ROUGH-IN CONNECTION. (TYPICAL)
- 7 EXTEND AND CONNECT THE HOT WATER RETURN CIRCULATION LINE TO THE FIXTURE HOT WATER SUPPLY ROUGH-IN CONNECTION TO ENSURE HOT WATER SUPPLY IS AVAILABLE UPON USE. (TYPICAL)
- 8 THERMOSTATIC BALANCING VALVE ASSEMBLY SET AT 110°F - WITH UNION BODY, CHECK VALVE, BALL VALVES AND THERMOMETER. REFER TO SPECIFICATIONS.
- 9 WATER HAMMER ARRESTER - SIZE 'A' (REFER TO SPECIFICATIONS)
- 10 WATER HAMMER ARRESTER - SIZE 'B' (REFER TO SPECIFICATIONS)



1 1ST FLOOR HOCKEY LOCKER ROOM PARTIAL PLAN
SANITARY, WASTE AND VENT PIPING LAYOUT
SCALE: 1/4" = 1'-0"

REFERENCE NOTES

1. REFER TO PLUMBING DRAWING P001 FOR SYMBOLS, ABBREVIATIONS, GENERAL NOTES AND DETAILS.
2. REFER TO PLUMBING DRAWING P701 FOR FIXTURE AND EQUIPMENT SCHEDULES AND DETAILS.
3. THE CONTRACTOR SHALL DETERMINE AND VERIFY THE EXISTING SIZE, LOCATION, ELEVATION AND CONDITION OF THE EXISTING SANITARY SEWER AND DOMESTIC WATER LINES AT THE SITE. THE INFORMATION WAS OBTAINED FROM A BLUEPRINT COPY OF THE ORIGINAL SITE PLAN OF THE FACILITY. THERE ARE NO EXISTING BUILDING PLUMBING PIPING DRAWINGS AVAILABLE.



2 1ST FLOOR HOCKEY LOCKER ROOM PARTIAL PLAN
DOMESTIC WATER PIPING LAYOUT
SCALE: 1/4" = 1'-0"

BKP

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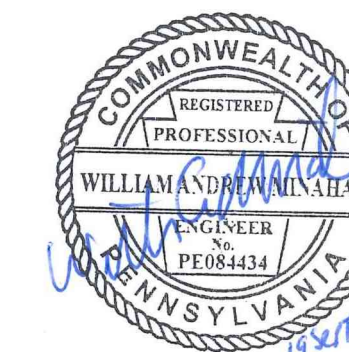
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CLIENT:
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HAVERTOWN, PA 19083-2551

SKATIUM LOCKER ROOM
RENOVATIONS
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

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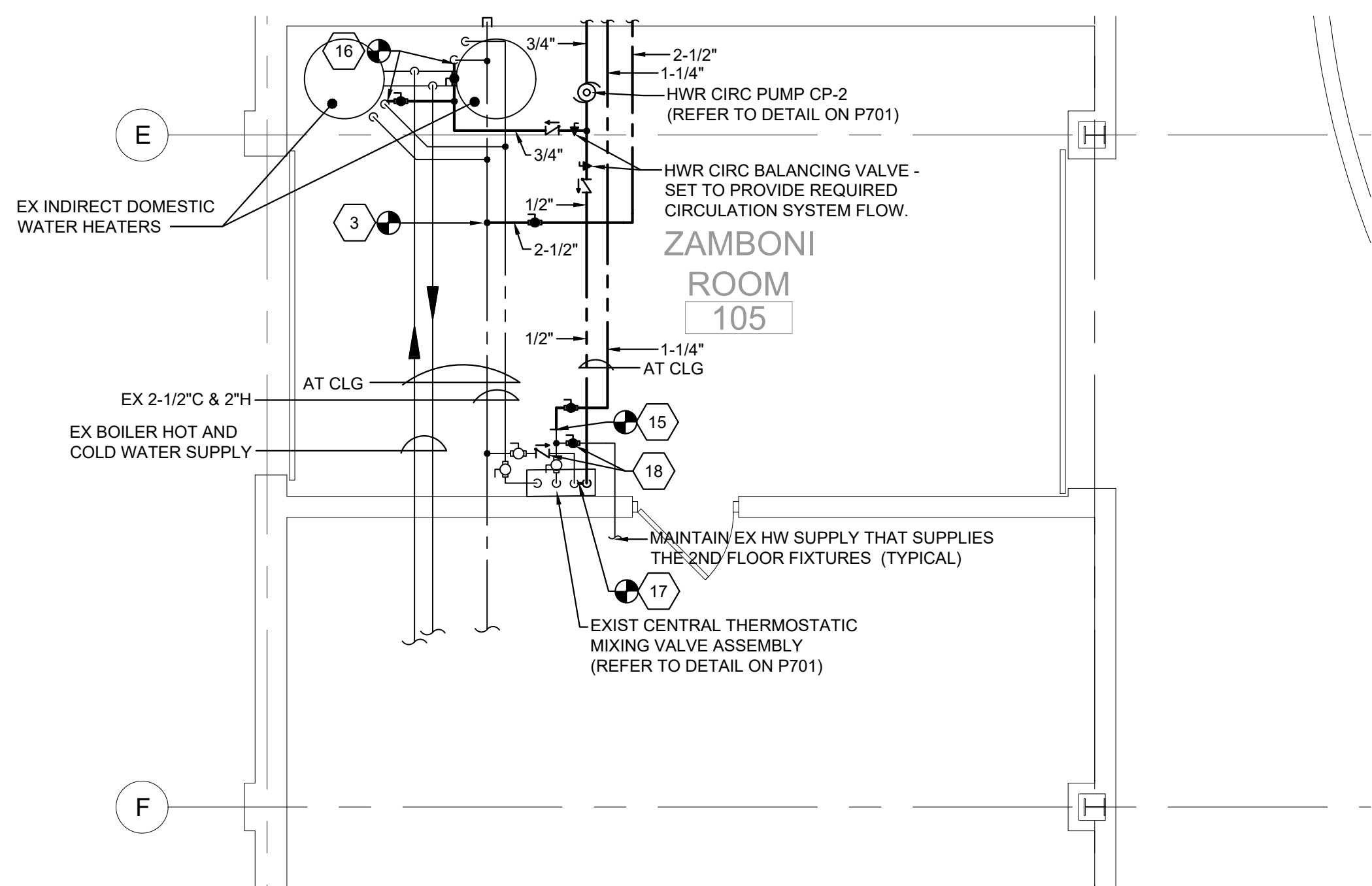
REVISION DATE

DRAWING TITLE:
HOCKEY LOCKER
ROOMS PARTIAL
PLANS - PLUMBING

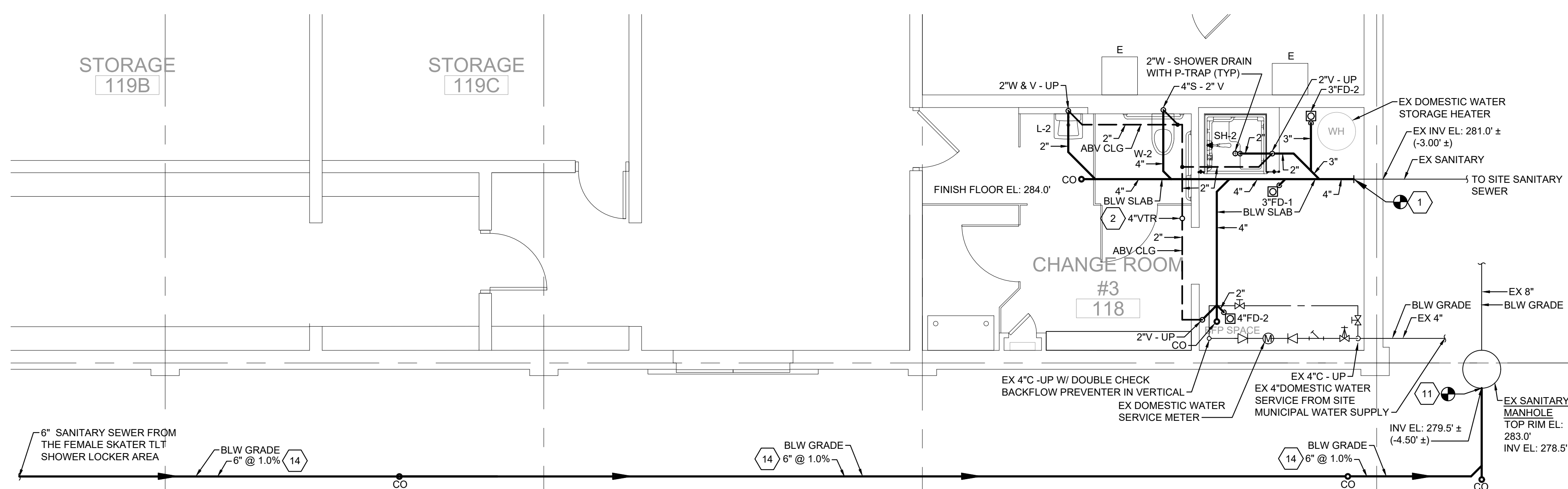
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P401

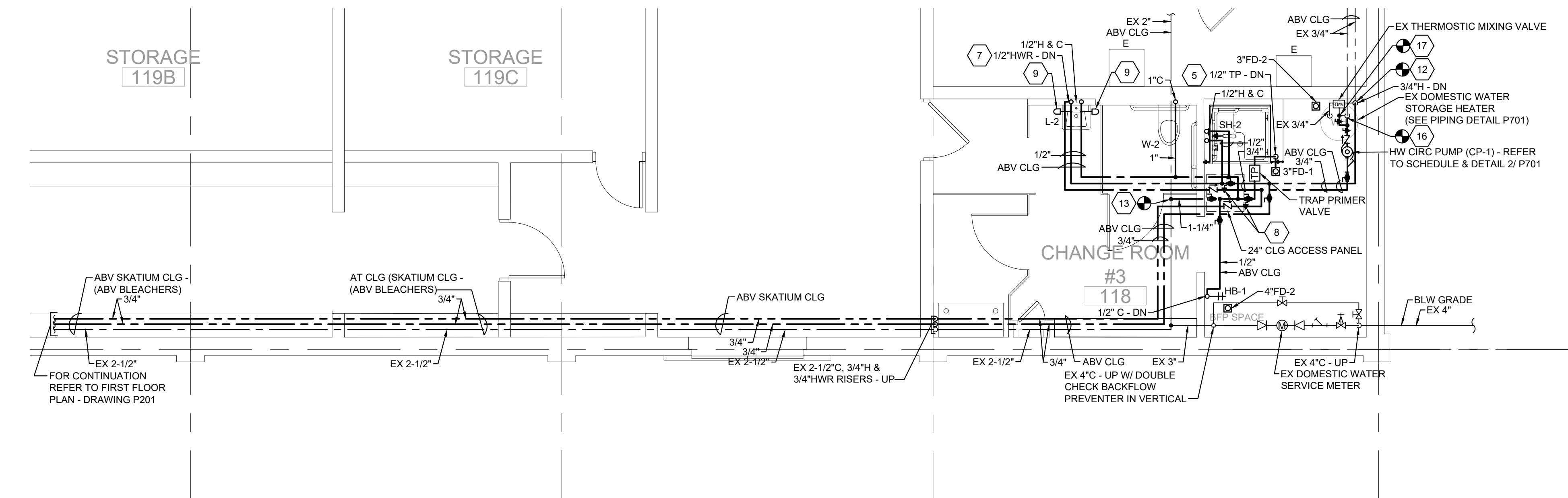
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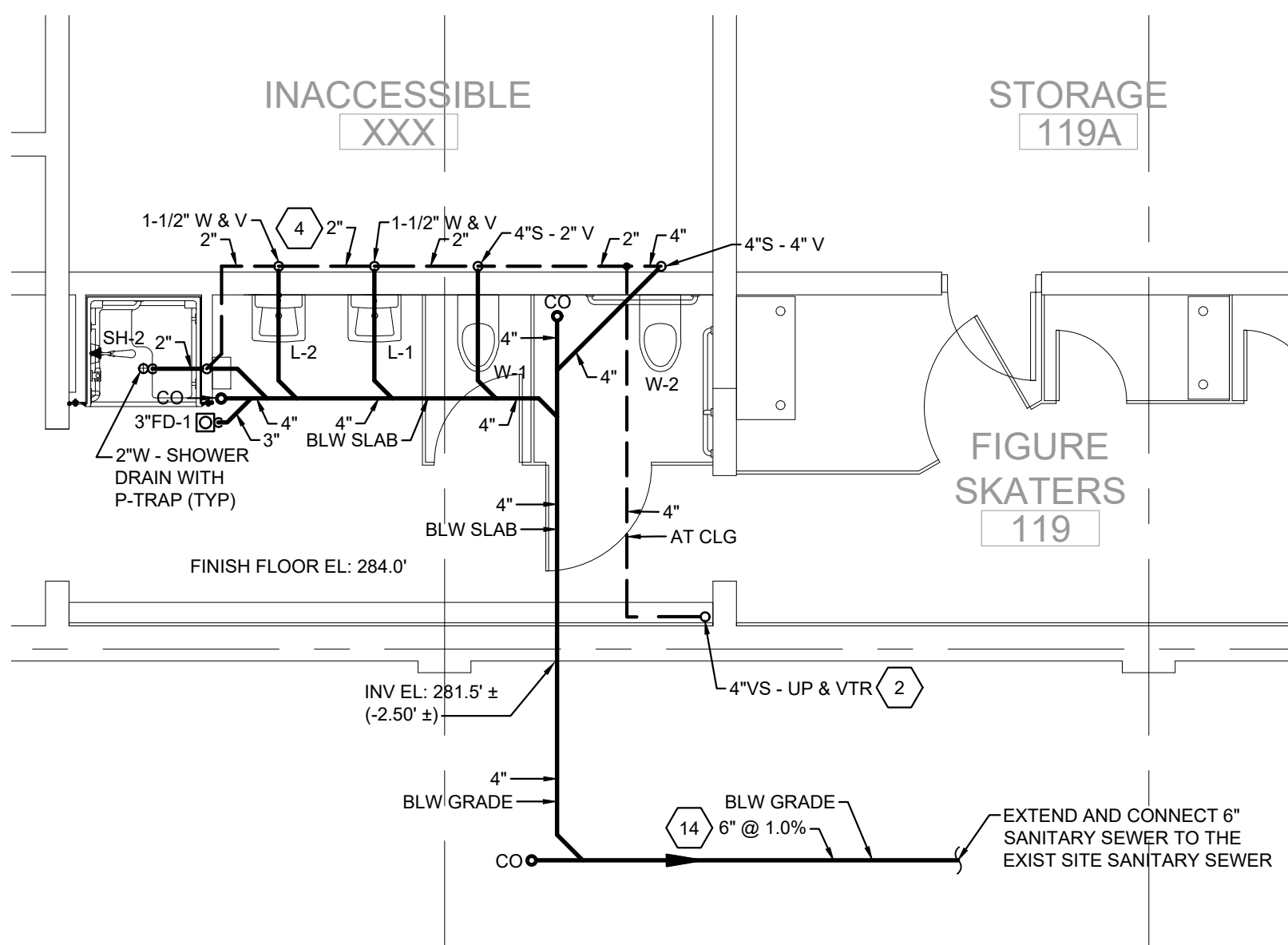
1 **1ST FLOOR ZAMBONI ROOM PARTIAL PLAN
PIPING LAYOUT**
SCALE: 1/4" = 1'-0"



2 **1ST FLOOR CHANGE ROOM #3 PARTIAL PLAN
SANITARY, WASTE AND VENT PIPING LAYOUT**
SCALE: 1/4" = 1'-0"



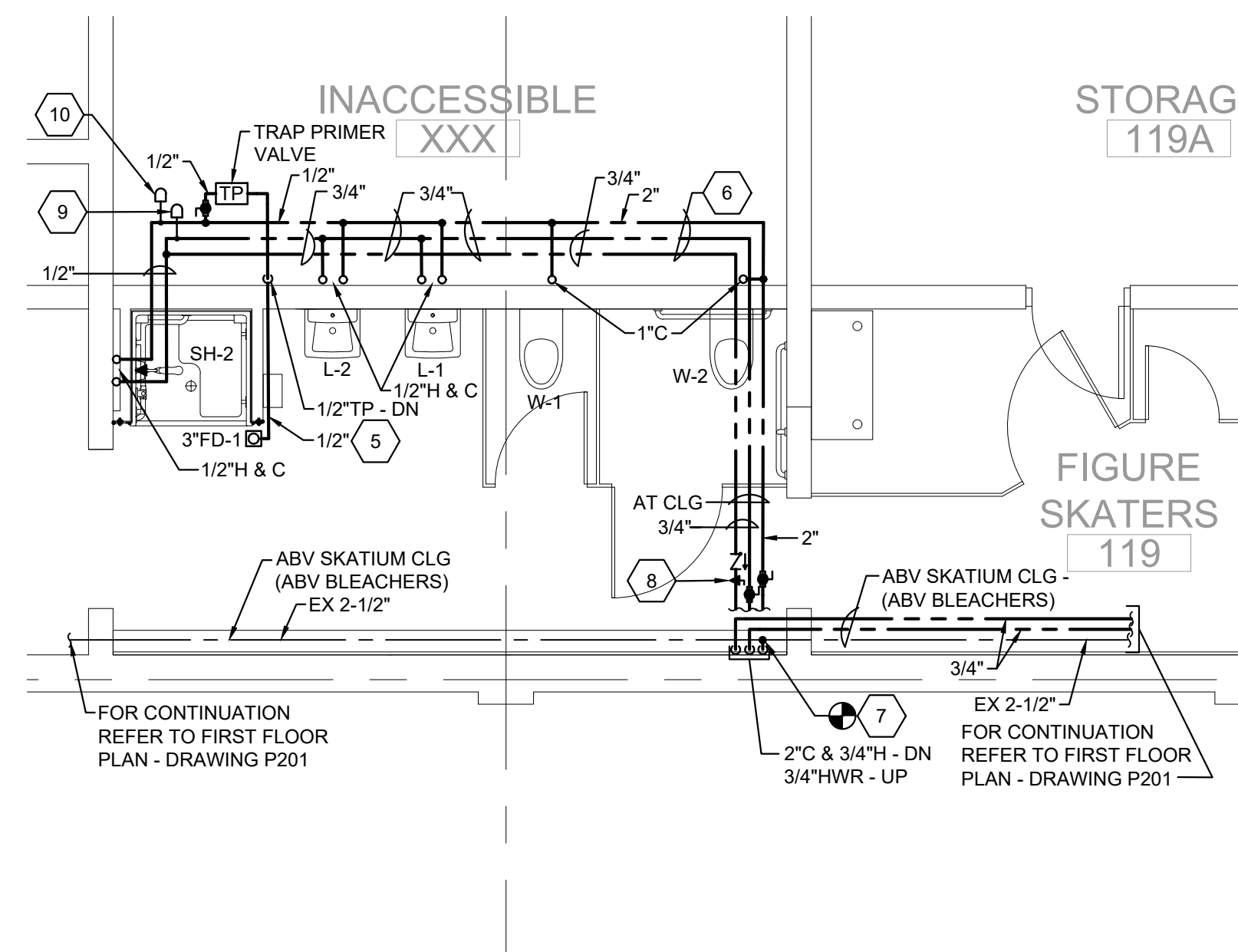
3 **1ST FLOOR CHANGE ROOM #3 PARTIAL PLAN
DOMESTIC WATER PIPING LAYOUT**
SCALE: 1/4" = 1'-0"



4 **1ST FLOOR FIGURE SKATER TOILET SHOWER ROOM PARTIAL PLAN
SANITARY, WASTE & VENT PIPING LAYOUT**
SCALE: 1/4" = 1'-0"

NOTES ELSEWHERE ON THIS DRAWING

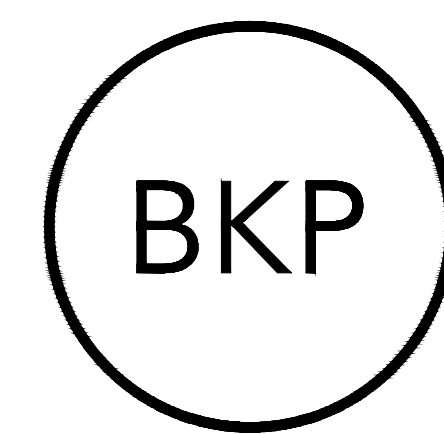
- EXTEND AND CONNECT 4" SANITARY LINE TO THE EXISTING SANITARY SEWER LINE. THE CONTRACTOR SHALL DETERMINE AND VERIFY THE EXACT SIZE, LOCATION, ELEVATION AND POINT OF CONNECTION PRIOR TO THE START OF WORK. (TYPICAL)
- EXTEND 4" PLUMBING VENT UP THRU BUILDING ROOF AND TERMINATE 24" ABOVE THE FINISH ROOF. THE CONTRACTOR SHALL DETERMINE AND VERIFY THE REQUIREMENTS OF THE ROOF WARRANTY AND CONSTRUCTION PRIOR TO MAKING ROOF PENETRATIONS.
- CONNECT AND EXTEND 2-1/2" C FROM THE EXISTING COLD WATER LINE TO SUPPLY THE RENOVATED LOCKER TOILET SHOWER FACILITIES. THE CONTRACTOR SHALL DETERMINE AND VERIFY THE EXACT SIZE, LOCATION AND POINT OF CONNECTION OF EXISTING PRIOR TO THE START OF WORK. (TYPICAL)
- RUN FULL SIZE VENT PIPING HEADER IN PIPE CHASE AT A MINIMUM OF 12" ABOVE THE FLOOD RIM OF THE HIGHEST CONNECTED FIXTURE. (TYPICAL)
- RUN TRAP PRIMER LINE IN PIPE SLEEVE BELOW SLAB. EXTEND AND CONNECT TO FLOOR DRAIN TRAP PRIMER CONNECTION. (TYPICAL)
- RUN WATER SUPPLY PIPING ALONG WALL IN INACCESSIBLE SPACE WITH DROPS TO THE FIXTURE ROUGH-IN CONNECTIONS. (TYPICAL)
- EXTEND AND CONNECT THE HOT WATER RETURN CIRCULATION LINE TO THE FIXTURE HOT WATER SUPPLY ROUGH-IN CONNECTION TO ENSURE HOT WATER SUPPLY IS AVAILABLE UPON USE. (TYPICAL)
- THERMOSTATIC BALANCING VALVE ASSEMBLY SET AT 110°F - WITH UNION BODY, CHECK VALVE, BALL VALVES AND THERMOMETER. REFER TO SPECIFICATIONS.
- WATER HAMMER ARRESTER - SIZE 'A' (REFER TO SPECIFICATIONS)
- WATER HAMMER ARRESTER - SIZE 'B' (REFER TO SPECIFICATIONS)
- EXTEND AND CONNECT 6" SANITARY LINE TO THE EXISTING SITE SANITARY SEWER MANHOLE. THE CONTRACTOR SHALL DETERMINE AND VERIFY THE EXACT SIZE, LOCATION, ROUTE, ELEVATION AND POINT OF CONNECTION PRIOR TO THE START OF WORK. (TYPICAL)
- EXTEND AND CONNECT 3/4" H TO THE EXISTING HOT WATER LINE TO MAINTAIN THE SUPPLY TO THE EXISTING TOILET FACILITIES THAT REMAIN. THE CONTRACTOR SHALL DETERMINE AND VERIFY THE EXACT SIZE, LOCATION AND POINT OF CONNECTION TO EXISTING PRIOR TO THE START OF WORK. (TYPICAL)
- CONNECT AND EXTEND COLD WATER FROM THE EXISTING COLD WATER LINE TO SUPPLY THE RENOVATED LOCKER TOILET SHOWER FACILITIES. THE CONTRACTOR SHALL DETERMINE AND VERIFY THE EXACT SIZE, LOCATION AND POINT OF CONNECTION OF EXISTING PRIOR TO THE START OF WORK. (TYPICAL)
- THE EXCAVATION AND INSTALLATION OF THE SANITARY SEWER LINE SHALL BE LOCATED WITH IN THE GRASS AREA ALONG THE EXTERIOR PERIMETER OF THE BUILDING. THE 6" SANITARY SEWER LINE SHALL RUN ADJACENT TO THE BUILDING EXTERIOR - APPROXIMATELY 5'-0" FROM THE BUILDING TO MINIMIZE THE DISTURBANCE TO EXISTING SIDEWALKS) TYPICAL
- CONNECT AND EXTEND 1-1/4" H TO THE EXISTING HOT WATER SUPPLY OUTLET OF THE EXIST CENTRAL MIXING VALVE TO SUPPLY THE RENOVATED TOILET SHOWER LOCKER FACILITIES. THE CONTRACTOR SHALL DETERMINE AND VERIFY THE EXACT SIZE, LOCATION AND POINT OF CONNECTION TO EXISTING PRIOR TO THE START OF WORK. (TYPICAL)
- EXTEND AND CONNECT 3/4" HWR CIRCULATION LINE TO THE EXISTING COLD WATER SUPPLY LINE AT EACH EX WATER HEATER(S) FOR THE DOMESTIC HOT WATER SYSTEM CIRCULATION FOR THE RENOVATED TOILET SHOWER LOCKER FACILITIES. THE CONTRACTOR SHALL DETERMINE AND VERIFY THE EXACT SIZE, LOCATION AND POINT OF CONNECTION TO EXISTING PRIOR TO THE START OF WORK. (TYPICAL)
- EXTEND AND CONNECT 1/2" HWR CIRCULATION LINE TO THE EXISTING COLD WATER SUPPLY LINE AT THE EX CENTRAL MIXING VALVE FOR THE DOMESTIC HOT WATER SYSTEM CIRCULATION. COORDINATE THE RECOMMENDED POINT OF CONNECTION WITH THE MIXING VALVE MANUFACTURER AND THE REQUIRED FLOW. THE CONTRACTOR SHALL DETERMINE AND VERIFY THE EXACT SIZE, LOCATION AND POINT OF CONNECTION TO EXISTING PRIOR TO THE START OF WORK. (TYPICAL)
- FURNISH AND INSTALL NEW SHUT-OFF VALVE(S) AND CHECK VALVE(S) ON THE EXISTING WATER PIPING SYSTEM TO REMAIN AS PART OF THE RENOVATED SYSTEM TO MAINTAIN ISOLATION AND PROPER FLOW. (TYPICAL)



5 **1ST FLOOR FIGURE SKATER TOILET SHOWER ROOM PARTIAL PLAN
DOMESTIC WATER PIPING LAYOUT**
SCALE: 1/4" = 1'-0"

REFERENCE NOTES

- REFER TO PLUMBING DRAWING P001 FOR SYMBOLS, ABBREVIATIONS, GENERAL NOTES AND DETAILS.
- REFER TO PLUMBING DRAWING P701 FOR FIXTURE AND EQUIPMENT SCHEDULES AND DETAILS.
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**SKATUM LOCKER ROOM
RENOVATIONS**
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

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DRAWING TITLE:
**FIGURE SKATER
LOCKER ROOMS
PARTIAL PLANS -
PLUMBING**

DRAWING NO:

P402

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WATER CLOSETS					
FIXTURE IDENTIFICATION	DESCRIPTION	MOUNTING REQUIREMENTS	FIXTURE MANUFACTURER AND MODEL NUMBER (OR APPROVED EQUAL)	FIXTURE ACCESSORIES MAKE AND MODEL NUMBER (OR APPROVED EQUAL)	FOOTNOTES
W-1	WATER CLOSET 1.28 GALLON PER FLUSH HI-EFFICIENCY SIPHON JET ELONGATED BOWL VITREOUS CHINA (PUBLIC TOILET FACILITY)	WALL MOUNTED STANDARD ACCESSIBLE	(AMERICAN STD. KOHLER & ZURN) 1.28 GALLON PER FLUSH ELONGATED BOWL VITREOUS CHINA ZURN - ECO VANTAGE HET MODEL #Z5615-BWL-AM	(AMERICAN STD. SLOAN & ZURN) EXPOSED DIAPHRAGM TYPE MANUAL LEVER OPERATED FLUSH VALVE ZURN - AQUASAVANTAGE MODEL #Z6000AV-HET-YK	1, 2
W-2	WATER CLOSET 1.28 GALLON PER FLUSH HI-EFFICIENCY SIPHON JET ELONGATED BOWL VITREOUS CHINA (PUBLIC TOILET FACILITY)	WALL MOUNTED ADA HANDICAP ACCESSIBLE	(AMERICAN STD. KOHLER & ZURN) 1.28 GALLON PER FLUSH ELONGATED BOWL VITREOUS CHINA ZURN - ECO VANTAGE HET MODEL #Z5615-BWL-AM	(AMERICAN STD. SLOAN & ZURN) EXPOSED DIAPHRAGM TYPE MANUAL LEVER OPERATED FLUSH VALVE ZURN - AQUAVANTAGE MODEL #Z6000AV-HET-YK	1, 2

WATER CLOSET FOOTNOTES:

- REFER TO SPECIFICATIONS FOR REQUIREMENTS OF MATERIALS, COLOR, FINISHES, INSTALLATION, APPROVED EQUAL MANUFACTURERS, ETC..
- PROVIDE COMPLETE WITH SEAT, WALL CHAIR CARRIER, SUPPLY AND WASTE ROUGH-IN ASSEMBLIES IN ACCORDANCE WITH SPECIFICATIONS.
- THE CONTRACTOR WILL FURNISH AND INSTALL AN ASSE 1070 APPROVED THERMOSTATIC MIXING VALVE FOR MULTIPLE FAUCETS OR INDIVIDUAL FAUCET AS THE APPLICATION WARRANTS.
- PROVIDE SUPPLY AND DRAIN INSULATION KIT ON EXPOSED PIPING BELOW DESIGNATED ADA / HANDICAP ACCESSIBLE LAVATORIES AS SPECIFIED.

BOTTLE FILL STATION					
FIXTURE IDENTIFICATION	DESCRIPTION	MOUNTING REQUIREMENTS	FIXTURE MANUFACTURER AND MODEL NUMBER (OR APPROVED EQUAL)	FIXTURE ACCESSORIES MAKE AND MODEL NUMBER (OR APPROVED EQUAL)	FOOTNOTES
D-1	REFRIGERATED BOTTLE FILL STATION & FILTER 8 GPH - BARRIER-FREE	WALL MOUNTED ADA / HANDICAP ACCESSIBLE	ELKAY REFRIGERATED BOTTLE FILL STATION & FILTER ELKAY - EZH2O MODEL #LZW58MK	ELKAY WATER SENTRY FILTER MODEL #51300C	1, 2, 3, 4

WATER COOLER FOOTNOTES:

- REFER TO SPECIFICATIONS FOR REQUIREMENTS OF MATERIALS, COLOR, FINISHES, INSTALLATION, APPROVED EQUAL MANUFACTURERS, ETC.
- PROVIDE COMPLETE WITH WALL MOUNTING FRAME/ CHAIR CARRIER, SUPPLY AND WASTE ROUGH-IN ASSEMBLIES IN ACCORDANCE WITH SPECIFICATIONS.
- THE 3 CONTRACTOR SHALL FURNISH AND INSTALL POINT OF USE - SEDIMENT -TASTE/ODOR WATER FILTER CARTRIDGE KIT ASSEMBLY ON WATER SUPPLY TO WATER COOLER. FILTER CAPACITY IS APPROXIMATELY 500 GALLONS
- THE 3 CONTRACTOR SHALL MAKE ALL ROUGH-INS AND FINAL SUPPLY AND WASTE CONNECTION WITH ALL ASSOCIATED FIXTURE ASSEMBLIES REQUIRED FOR OPERATION AND FUNCTION. COORDINATE THE INSTALLATION OF A DUPLEX GFI 120 V ELECTRICAL OUTLET BOX AND RECEPTACLE WITH 4 CONTRACTOR.

WALL HYDRANT AND HOSE BIBB SCHEDULE					
FIXTURE IDENTIFICATION	DESCRIPTION	MOUNTING REQUIREMENTS	FIXTURE MANUFACTURER AND MODEL NUMBER (OR APPROVED EQUAL)	FIXTURE ACCESSORIES MAKE AND MODEL NUMBER (OR APPROVED EQUAL)	FOOTNOTES
WH-1	EXTERIOR WALL HYDRANT POLISHED BRONZE OR STAINLESS STEEL WALL BOX AND COVER (BUILDING PERIMETER)	24" ABOVE FINISH GRADE RECESSED WALL MOUNTED	(JR SMITH, WOODFORD & ZURN) NON-FREEZE, ANTI-SIPHON /W/ BACKFLOW PREVENTION AND ALL BRONZE PARTS ZURN MODEL #Z-1300-3 / #Z-1300-13	REMOVABLE KEY FOR LOCKING COVER AND HYDRANT OPERATION WITH "WATER" STAMPED IN COVER	1, 2
HB-1	GENERAL BUILDING AND MECHANICAL/ UTILITY SERVICE AREAS	42" ABOVE FINISH FLOOR WALL MOUNTED	(CHICAGO FAUCET, T & S & ZURN) CHROME PLATED LEVER HANDLE WITH HOSE END OUTLET ZURN #Z-80501 OR #Z80701	-----	1, 3

HYDRANTS AND HOSE BIBB FOOTNOTES:

- REFER TO SPECIFICATIONS FOR REQUIREMENTS OF MATERIALS, COLOR, FINISHES, INSTALLATION, APPROVED EQUAL MANUFACTURERS, ETC..
- INSTALL WALL HYDRANT WALL BOX AND COVER FLUSH WITH EXTERIOR WALL FINISH. THE DEPTH OF THE VALVE STEM SHALL BE COORDINATED WITH THE THICKNESS OF THE EXTERIOR WALL AND THE DEPTH TO VALVE STOP WITHIN THE INTERIOR SPACE BEYOND THE INSULATION ENVELOPE. EXTEND 3/4" COLD WATER SUPPLY WITH ISOLATION SHUT-OFF VALVE TO THE WALL HYDRANT.
- EXTEND 1/2" OR 3/4" HOT OR COLD WATER SUPPLY AS DESIGNATED WITH CONCEALED OR EXPOSED PIPING TO THE HOSE BIBB AS NOTED ON DRAWING.

LAVATORIES					
FIXTURE IDENTIFICATION	DESCRIPTION	MOUNTING REQUIREMENTS	FIXTURE MANUFACTURER AND MODEL NUMBER (OR APPROVED EQUAL)	FIXTURE ACCESSORIES MAKE AND MODEL NUMBER (OR APPROVED EQUAL)	FOOTNOTES
L-1	LAVATORY 20" x 18" - 4"OC VITREOUS CHINA (PUBLIC TLT FACILITIES)	STANDARD ACCESSIBLE WALL MOUNTED	(AMERICAN STD. KOHLER OR ZURN) 20" x 18" LAVATORY - 4" OC VITREOUS CHINA ZURN - MODEL #Z5114	(CHICAGO FAUCET, MOEN OR ZURN) 4" OC MANUAL LEVER OPERATED POLISHED CHROME FINISHED FAUCET ASSEMBLY - BOD: MOEN COMMERCIAL MODEL#8210F12	1, 2, 3, 4
L-2	LAVATORY 20" x 18" - 4"OC VITREOUS CHINA (PUBLIC TLT FACILITIES)	ADA / HANDICAP ACCESSIBLE WALL MOUNTED	(AMERICAN STD. KOHLER OR ZURN) 20" x 18 LAVATORY - 4" OC VITREOUS CHINA ZURN - MODEL #Z5114	(CHICAGO FAUCET, MOEN OR ZURN) 4" OC MANUAL LEVER OPERATED POLISHED CHROME FINISHED FAUCET ASSEMBLY - BOD: MOEN COMMERCIAL MODEL#8210F12	1, 2, 3, 4

LAVATORIES FOOTNOTES:

- REFER TO SPECIFICATIONS FOR REQUIREMENTS OF MATERIALS, COLOR, FINISHES, INSTALLATION, APPROVED EQUAL MANUFACTURERS, ETC..
- PROVIDE COMPLETE WITH CHAIR CARRIER, SUPPLY AND WASTE ROUGH-IN ASSEMBLIES IN ACCORDANCE WITH SPECIFICATIONS.
- THE CONTRACTOR WILL FURNISH AND INSTALL AN ASSE 1070 APPROVED THERMOSTATIC MIXING VALVE FOR MULTIPLE FAUCETS OR INDIVIDUAL FAUCET AS THE APPLICATION WARRANTS.
- PROVIDE SUPPLY AND DRAIN INSULATION KIT ON EXPOSED PIPING BELOW DESIGNATED ADA / HANDICAP ACCESSIBLE LAVATORIES AS SPECIFIED.

SHOWER FIXTURES					
FIXTURE IDENTIFICATION	DESCRIPTION	MOUNTING REQUIREMENTS	FIXTURE MANUFACTURER AND MODEL NUMBER (OR APPROVED EQUAL)	FIXTURE ACCESSORIES MAKE AND MODEL NUMBER (OR APPROVED EQUAL)	FOOTNOTES
SH-1	36" x 36" x 77-1/4" SHOWER ONE-PIECE ACRYLIC ENCLOSURE 3-1/2" THRESHOLD - CENTER DRAIN (LOCKER - TLT / SHOWER AREA)	STANDARD ACCESSIBLE	36" x 36" 77-1/4" SECTIONAL ACRYLIC SHOWER ENCLOSURE W/ CENTER DRAIN AQUATIC MODEL # 136364PC	(SPEAKMAN, SYMMONS, ZURN) SHOWER VALVE ASSEMBLY SPEAKMAN - SENTINAL MARK II MODEL #CPT-3001-CPV-T2 SHOWER HEAD - MODEL #S-2460	1, 2, 3, 4
SH-2	36" x 36" x 77-1/4" SHOWER ONE-PIECE ACRYLIC ENCLOSURE 3/4" THRESHOLD - CENTER DRAIN (LOCKER - TLT / SHOWER AREA)	ADA HANDICAP ACCESSIBLE	36" x 36" 75-1/8" SECTIONAL ACRYLIC SHOWER ENCLOSURE W/ SEAT & GRAB BARS AQUATIC MODEL # 13636FC2P	(SPEAKMAN, SYMMONS, ZURN) SHOWER VALVE W/ DIVERTER ADA HAND HELD SHOWER & BAR SPEAKMAN - SENTINAL MARK II MODEL #CPT-3400-CPV-T2-20V SHOWER HEAD - MODEL #S-2460	1, 2, 3, 4

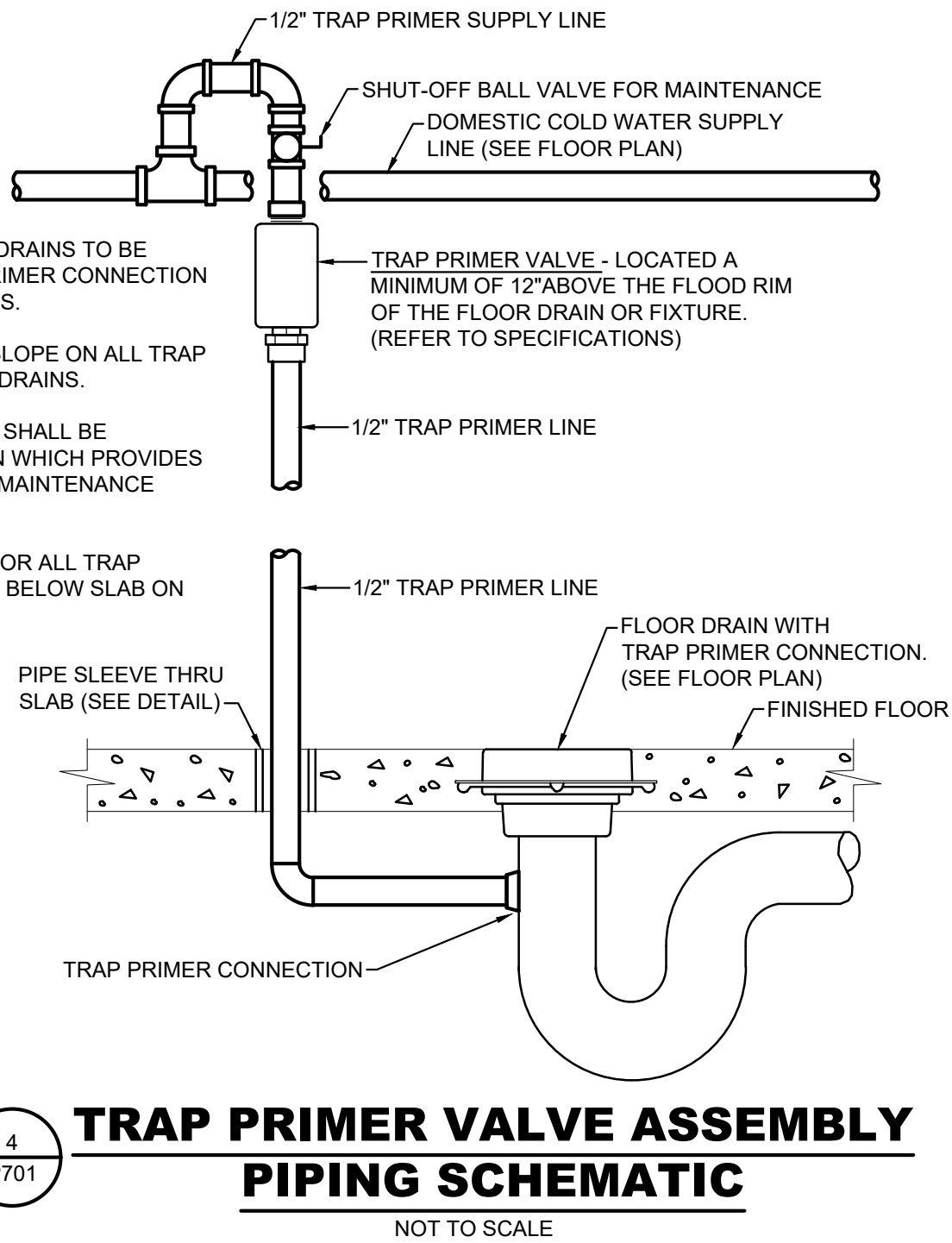
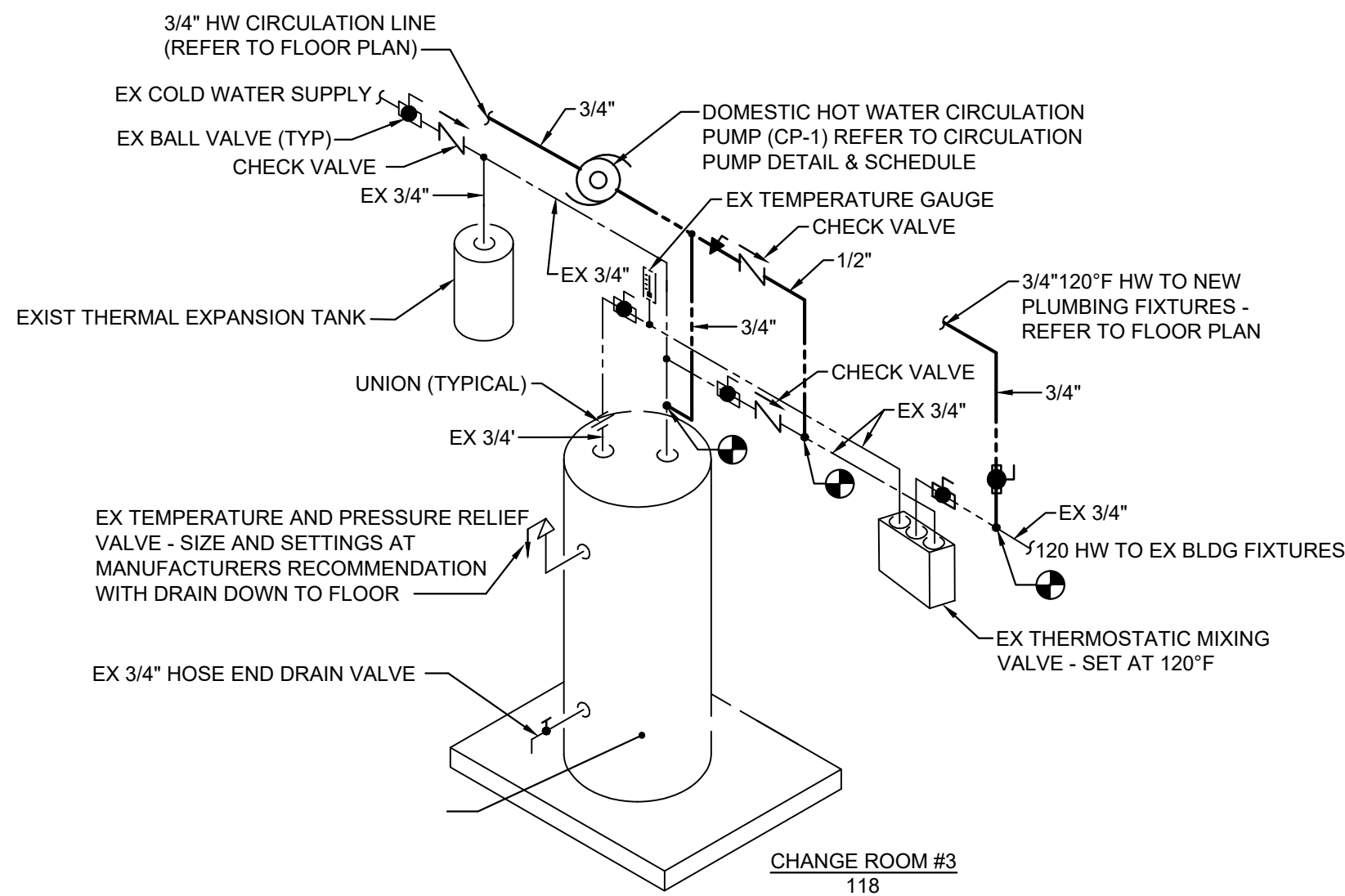
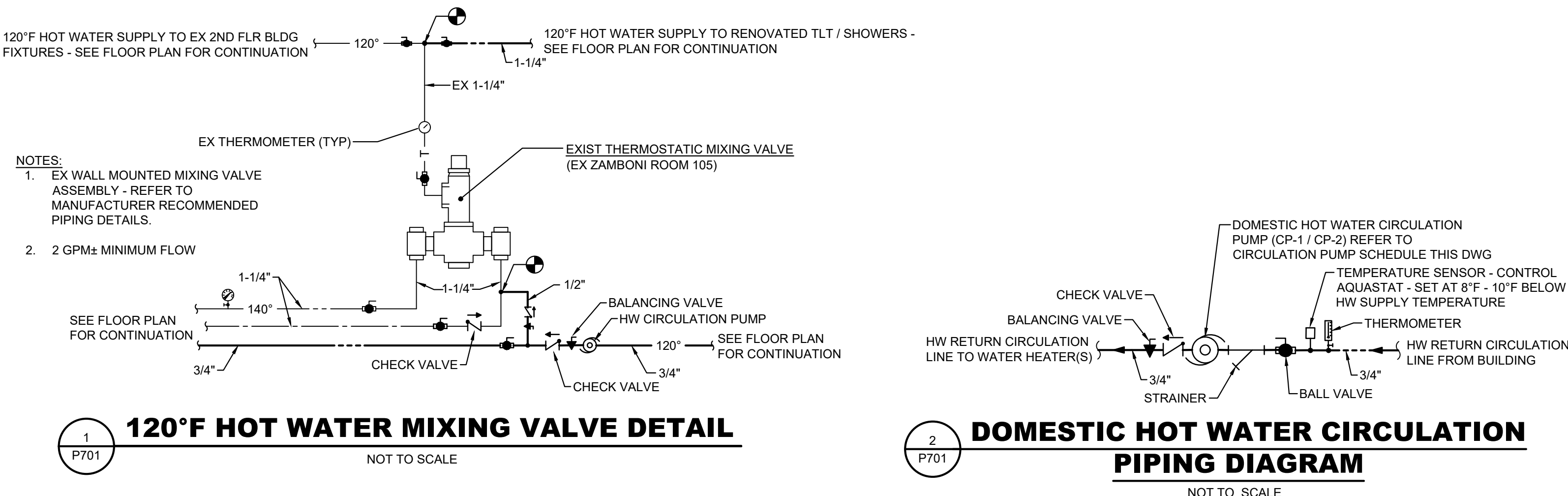
SHOWER FIXTURES FOOTNOTES:

- REFER TO SPECIFICATIONS FOR REQUIREMENTS OF MATERIALS, COLOR, FINISHES, INSTALLATION, APPROVED EQUAL MANUFACTURERS, ETC.
- PROVIDE COMPLETE SUPPLY AND WASTE ROUGH-IN ASSEMBLIES, THERMOSTATIC SHOWER CONTROL VALVE WITH SHOWER HEADS IN ACCORDANCE WITH SCHEDULE AND SPECIFICATIONS.
- THE CONTRACTOR SHALL DETERMINE AND COORDINATE THE REQUIRED ROUGH-IN DIMENSIONS OF THE SHOWER ENCLOSURE AND ORIENTATION LOCATION (RIGHT OR LEFT) OF THE SHOWER CONTROL VALVE / HEAD ASSEMBLY, DRAIN AND SEAT WITH THE ARCHITECTURAL DRAWINGS PRIOR TO ORDERING AND INSTALLATION. (TYPICAL)
- THE CONTRACTOR SHALL FURNISH AND INSTALL SHOWER CURTAIN ROD, WHITE CURTAIN AND CURTAIN ATTACHMENTS WITH EACH SHOWER ENCLOSURE.

DOMESTIC WATER CIRCULATING PUMP SCHEDULE													
CIRC. PUMP NUMBER	DESCRIPTION	LOCATION	PIPE SIZE PUMP FLANGE	SYSTEM DESIGN CHARACTERISTICS		PUMP PREFORMANCE CHARACTERISTICS		PUMP DESIGN SHUT-OFF		HP	RPM	ELECTRIC PH - HZ -VOLT	MAXIMUM OPERATING TEMPERATURE
				GPM	FT/HD	GPM	FT/HD	GPM	FT/HD				
CP-1	120°F HW SYSTEM BUILDING	CHANGE ROOM #3 WATER HEATER	3/4"	3.5	7.5	5	8	0	30	1/12	1750	1 - 60 -120V	225°F
			3/4"			20	6						150 PSIG
			3/4"			5	8						B & G MODEL # PL-30
CP-2	120°F HW SYSTEM BUILDING	ZAMBONI RM 105 EX WATER HEATER	3/4"	3.5	7.5	20	6	0	30	1/12	1750	1 - 60 -120V	225°F
			3/4"			5	8						150 PSIG
			3/4"			20	6						B & G MODEL # PL-30

DOMESTIC HOT WATER CIRCULATING PUMP FOOTNOTES:

- THE CIRCULATION PUMP(S) SHALL BE CONNECTED OPERATED BY AN 24 / 7 PROGRAMMABLE TIME CLOCK THAT CAN BE SET AND SCHEDULED BY THE OWNER. THE PUMP OPERATION TIME SHALL BE SCHEDULED TO OPERATE DURING BUILDING OCCUPANCY AND USAGE TIMES OF THE FACILITY WITH THE CAPABILITY OF SCHEDULING SHUT-DOWN DURING NON-OCCUPIED/ NON-USE PERIODS. A MANUAL ON / OFF ELECTRICAL SWITCH SHALL ALSO BE FURNISHED FOR MANUAL SHUT OFF AND MAINTENANCE. (REFER TO SPECIFICATIONS)
- THE CIRCULATION PUMP(S) AND ASSOCIATED PIPING, VALVES, FITTINGS AND COMPONENTS SHALL BE CERTIFIED AND LABELED "LEAD FREE" COMPLIANT TO THE NSF/ANSI 372 STANDARD.
- THE CONTRACTOR SHALL INSTALL THE IN-LINE TEMPERATURE AQUASTAT IN THE MAIN HOT WATER RETURN LINE PRIOR TO THE LOCATION OF THE CIRCULATING PUMP(S). THE TEMPERATURE AQUASTAT SHALL BE SET 8°F - 10°F DEGREES LESS THAN THE HOT WATER SUPPLY OUTLET TO THE BUILDING FIXTURES AND OPERATE THE CIRCULATING PUMP.



PLUMBING FIXTURE ABBREVIATIONS

W	WATER CLOSET	SS	SERVICE SERVICE RECEPTOR
L	LAVATORY	WH	WALL HYDRANT
S	SINK	HB	HOSE BIBB
SH	SHOWER	FD	FLOOR DRAIN

- NOTES:**
- SUPPLIES FOR FIXTURE LETTERS AS SPECIFIED.
 - REFER TO PROJECT SPECIFICATIONS FOR PLUMBING ACCESSORIES, SPECIALTIES AND EQUIPMENT.

PLUMBING FIXTURE CONNECTION SCHEDULE

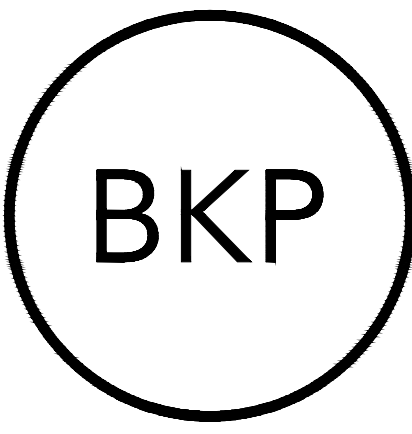
FIXTURE	WATER	WASTE, SOIL & VENT (UNO)
WATER CLOSET	1" C	4" S & 2" V
LAVATORY	1/2" H & C	1 1/2" W & V
SINK	AS NOTED	AS NOTED
SHOWER	1/2" H & C	AS NOTED
SERVICE RECEPTOR BASIN / SINK	1/2" H & C	3" W - 2" V
FLOOR DRAIN	AS NOTED	AS NOTED
WALL HYDRANT (EXTERIOR)	3/4" C	----
HOSE BIBB (INTERIOR)	3/4" C	----

FLOOR DRAIN SCHEDULE

FIXTURE IDENTIFICATION	APPLICATION AND LOCATION	DESCRIPTION	FIXTURE MANUFACTURER AND MODEL NUMBER (OR APPROVED EQUAL)	FOOTNOTES
FD-1	GENERAL AREA FLOOR DRAIN TOILET SHOWER FACILITIES	COATED CAST IRON BODY WITH ADJUSTABLE POLISHED NICKEL- BRONZE STRAINER W/ SEDIMENT BUCKET AND CLAMPING COLLAR	ZURN MODEL #ZN-415-6B-Y W/ TYPE 'B' STRAINER	1, 2, 3
FD-2	MECHANICAL EQUIPMENT / UTILITY ROOM AREAS (FLOOR DRAIN W/ FUNNEL) SLAB ON GRADE	MEDIUM DUTY COATED CAST IRON BODY WITH 9" DIAMETER FLAT SLOTTED GRATE TOP, REMOVABLE SEDIMENT BUCKET AND 4" ROUND FUNNEL CONVERTING ASSEMBLY	ZURN MODEL #Z-551-Y W/ Z-328-4 JR SMITH #Z270-B, 3580	1, 2, 3

FLOOR DRAIN FOOTNOTES:

- REFER TO SPECIFICATIONS FOR REQUIREMENTS OF MATERIALS, COLOR, FINISHES, INSTALLATION, APPROVED EQUAL MANUFACTURERS, ETC.
- PROVIDE COMPLETE WITH INDIVIDUAL DEEP SEAL TRAP FOR ALL FLOOR DRAINS AND FLOOR SINKS UNLESS OTHERWISE NOTED.
- PROVIDE IN-LINE FLOOR DRAIN TRAP SEAL PROTECTION INSERT - RECTOR SEAL - SURE SEAL "TRAP SEAL" TYPE COMPATIBLE WITH THE SCHEDULED AND SPECIFIED DRAINS. (TYPICAL)



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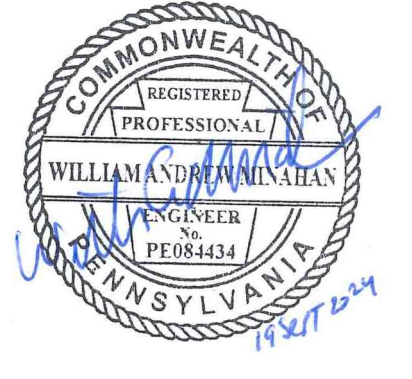
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SKATIUM LOCKER ROOM
RENOVATIONS
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THIS DRAWING IS TO ILLUSTRATE THE WORK TO BE DONE. THE ARCHITECT IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES USED TO DO THE WORK OR THE SAFETY ASPECTS OF CONSTRUCTION AND NOTING ON THIS DRAWING EXPRESSED OR IMPLIED CHANGES THIS CONDITION. CONTRACTOR SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS AN ACKNOWLEDGEMENT OF THESE RESPONSIBILITIES AND THAT THEY HAVE BEEN FULLY CONSIDERED IN PLANNING OF THE WORK AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.

SEAL:



DATE: SEPTEMBER 19, 2024
PROJECT NO: 2024-02
DRAWN BY: SJK
CHECKED BY: WAM
SUBMISSION DATE:
PERMIT SET: 8/19/2024
BID SET: 9/19/2024

REVISION	DATE

DRAWING TITLE:
PLUMBING
SCHEDULES

DRAWING NO:

P701

SYMBOL & ABBREVIATION SCHEDULE

NOTES

1. THIS SCHEDULE IS A STANDARD SCHEDULE. CERTAIN SYMBOLS & ABBREVIATIONS INDICATED ON THIS SCHEDULE MAY NOT APPEAR ON THE DRAWINGS.
2. EQUIPMENT SYMBOLS SHOWN DASHED ON THE DRAWINGS INDICATE EXISTING EQUIPMENT.

FIRE ALARM SYSTEM LEGEND

ZAM	CONTROL ZONE ADDRESSABLE MODULE
FS	FIRE ALARM SYSTEM - FLOW SWITCH FOR SPRINKLER SYSTEM FURNISHED AND INSTALLED BY PC, WIRED BY EC
TS	FIRE ALARM SYSTEM - TAMPER SWITCH (SUPERVISED VALVE) FOR SPRINKLER SYSTEM, FURNISHED AND INSTALLED BY PC, WIRED BY EC
PS	FIRE ALARM SYSTEM - PRESSURE SWITCH FOR SPRINKLER SYSTEM, FURNISHED AND INSTALLED BY PC, WIRED BY EC
DD	FIRE ALARM SYSTEM DUCT DETECTOR, FURNISHED AND WIRED BY EC INSTALLED BY HC COMPLETE W/ SHUTDOWN RELAY AND TEST STATION
FCAP	FIRE ALARM SYSTEM CONTROL PANEL
ANN	FIRE ALARM SYSTEM ANNUCIATOR PANEL
P	FIRE ALARM SYSTEM PULL STATION
S	FIRE ALARM SYSTEM SMOKE DETECTOR - PHOTOELECTRIC TYPE
Th	FIRE ALARM SYSTEM HEAT DETECTOR - FIXED TEMPERATURE
SE	FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR FOR ELEVATOR RECALL
FA	FIRE ALARM SYSTEM COMBINATION HORN/STROBE WALL MOUNTED - NUMBER IN (X) INDICATES CANDELLA RATING
FA	FIRE ALARM SYSTEM COMBINATION HORN/STROBE CEILING MOUNTED - NUMBER IN (X) INDICATES CANDELLA RATING
FA	FIRE ALARM SYSTEM ADA STROBE - WALL MOUNTED - NUMBER IN (X) INDICATES CANDELLA RATING
DH	FIRE ALARM SYSTEM DOOR HOLDER
IAM	INDIVIDUAL ADDRESSABLE MODULE
WP	EXTERIOR FIRE ALARM SYSTEM COMBINATION HORN/STROBE - WEATHERPROOF - NUMBER IN (X) INDICATES CANDELLA RATING
CM	FIRE ALARM CARBON MONOXIDE DETECTOR
NOTE: REFER TO FIRE ALARM RECOMMENDED DEVICE MOUNTING HEIGHTS DETAIL 1/E601 FOR ADDITIONAL INFORMATION.	

ABBREVIATIONS

A	AMPERE	MCA	MINIMUM CIRCUIT AMPACITY
AB	ABOVE COUNTER	MCB	MAIN CIRCUIT BREAKER
AC	ALTERNATING CURRENT	MCC	MOTOR CONTROL CENTER
ADA	AMERICANS W/ DISABILITIES ACT	MI	MINERAL INSULATED CABLE
AF	AMP FRAME, AMP FUSE	MH	METAL HALIDE
AFF	ABOVE FINISH FLOOR	MIN	MINIMUM
AHU	AIR HANDLING UNIT	MLO	MAIN LUGS ONLY
APPROX	APPROXIMATELY	MMS	MANUAL MOTOR STARTER
AS	AMMETER SWITCH	MOD	MOTOR OPERATED DAMPER
AT	AMP TRIP	MOCP	MAXIMUM OVERCURRENT PROTECTION
@	AT	MTD	MOUNTED
ATC	AUTOMATIC TEMPERATURE CONTROL	NC	NORMALLY CLOSED
ATS	AUTOMATIC TRANSFER SWITCH	NE	NORMAL EMERGENCY
AUX	AUXILIARY	NEC	NATIONAL ELECTRICAL CODE
BAS	BUILDING AUTOMATION SYSTEM	NEUT	NEUTRAL
C	CONDUIT	NF	NON FUSED
CB	CIRCUIT BREAKER	NIC	NOT IN CONTRACT
CCTV	CLOSED CIRCUIT TV	NO	NORMALLY OPEN
CD	CANDELLA	P	POLE(S)
CKT	CIRCUIT	PC	PLUMBING CONTRACTOR
CL	CENTER LINE	PNL	PANEL
CLG	CEILING	PRI	PRIMARY
CT	CURRENT TRANSFORMER	PRV	POWER ROOF VENTILATOR
CUH	CABINET UNIT HEATER	PVC	POLYVINYL CHLORIDE
DFA	DOWN FROM ABOVE	RECP	RECEPTACLE
DIA	DIAMETER	REQD	REQUIRED
DIST	DISTRIBUTION	RTU	ROOF TOP UNIT
DC	DIRECT CURRENT	SBC	SUB BRANCH CONTROLLER
DN	DOWN	SEC	SECONDARY
DWG	DRAWING	SHT	SHEET
EA	EACH	SMR	SURFACE METAL RACEWAY
EC	ELECTRICAL CONTRACTOR	SPD	SURGE PROTECTION DEVICE
EF	EXHAUST FAN	SPDT	SINGLE POLE DOUBLE THROW
EHU	ELECTRIC HORIZONTAL UNIT HEATER	SPECS	SPECIFICATIONS
ELEV	ELEVATOR	SSCHP	SPLIT SYSTEM CEILING HEAT PUMP
EMT	ELECTRIC METALLIC TUBING	SSHHP	SPLIT SYSTEM HORIZONTAL HEAT PUMP
EQ	EQUAL	SSWHP	SPLIT SYSTEM HORIZONTAL HEAT PUMP
EX	EXISTING (EXIST)	STR	STARTER
EW	ELECTRIC WATER COOLER	SW	SWITCH
EW	ELECTRIC WALL HEATER	TEMP	TEMPORARY
FPB	FAN POWERED BOX	TV	TELEVISION
FCU	FAN COIL UNIT	TYP	TYPICAL
FEC	FIRE EXTINGUISHER CABINET	UHT	HORIZONTAL UNIT HEATER
FDR	FEEDER	UNO	UNLESS NOTED OTHERWISE
FU	FUSE	UPE	UNDERGROUND PRIMARY ELECTRICAL
GFI	GROUND FAULT INTERRUPTER	UPS	UNINTERRUPTIBLE POWER SUPPLY
GRD	GROUND	USE	UNDERGROUND SECONDARY ELECTRICAL
HC	HVAC CONTRACTOR	UV	UNIT VENTILATOR
HP	HORSEPOWER	VFD	VARIABLE FREQUENCY DRIVE
IG	ISOLATED GROUND	V	VOLT
JB	JUNCTION BOX	W	WIRE
KMIL	THOUSAND CIRCULAR MILS	W	WITH
KV	KILOVOLT	WCR	WITHSTAND AND CLOSING RATINGS
KVA	KILOVOLT AMPERES	WP	WEATHERPROOF
KW	KILOWATT	XP	EXPLOSION PROOF
LSI	LONG, SHORT, INSTANTANEOUS		
LTS	LIGHTS		
MBC	MAIN BRANCH CONTROLLER		
MC	METAL CLAD CABLE		

LIGHTING AND POWER LEGEND

	LIGHTING FIXTURE - RECESSED MOUNTED		JUNCTION BOX
	LIGHTING FIXTURE - SURFACE MOUNTED		ENCLOSED CIRCUIT BREAKER - REFER TO MECHANICAL/PLUMBING/ETC EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL INFORMATION.
	LIGHTING FIXTURE - PENDANT MOUNTED		VARIABLE FREQUENCY DRIVE
	LIGHTING FIXTURE - WALL MOUNTED		COMBINATION DISCONNECT SWITCH AND STARTER - REFER TO MECHANICAL/PLUMBING/ETC EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL INFORMATION.
	LIGHTING FIXTURE STRIP		NON-FUSED DISCONNECT SWITCH - REFER TO MECHANICAL/PLUMBING/ETC EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL INFORMATION.
	EMERGENCY LIGHTING FIXTURE		FUSED DISCONNECT SWITCH - REFER TO MECHANICAL/PLUMBING/ETC EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL INFORMATION.
	RECESSED DOWN LIGHT		MOTOR
	LIGHTING FIXTURE - WALL MOUNTED		ELECTRICAL PANELBOARD - RECESSED MOUNTED
	FLOOD TYPE LIGHTING FIXTURE OR TRACK HEAD		ELECTRICAL PANELBOARD - SURFACE MOUNTED
	EMERGENCY BATTERY PACK LIGHTING FIXTURE		INDICATES KEYNOTES
	REMOTE EMERGENCY LIGHTING UNIT		PHASE
	PENDANT MOUNTED LIGHTING FIXTURE		THERMOSTAT
	WALL WASH LIGHTING FIXTURE - RECESSED MOUNTED		SWITCH LEG
	WALL SCONCE LIGHTING FIXTURE - WALL MOUNTED		SWITCHED CIRCUIT
	LIGHTING BOLLARD OR POST		BRANCH CIRCUIT
	POLE MOUNTED AREA LUMINAIRE		UNDERGROUND SECONDARY ELECTRICAL
	DECORATIVE ARCHITECTURAL LIGHTING		UNDERGROUND PRIMARY ELECTRICAL
NOTE: DESIGNATION INDICATES LIGHTING FIXTURE TYPE. REFER TO LIGHTING FIXTURE SCHEDULE ON DRAWING E702 FOR ADDITIONAL INFORMATION.			UNDERGROUND EMERGENCY ELECTRICAL
	EXIT SIGN - BACK SURFACE MOUNTED - SINGLE FACE		HOMERUN TO PANELBOARD ARROWS INDICATE NUMBER OF CIRCUITS IN CONDUIT (3#12 FOR EACH CIRCUIT-1/2" UNLESS NOTED OTHERWISE)
	EXIT SIGN - CEILING MOUNTED - SINGLE FACE		POWER SUPPLY 120V TO 24V DC
	EXIT SIGN - CEILING MOUNTED - DOUBLE FACE		COMBINATION POWER/TELECOMMUNICATION FLOOR BOX
	EXIT SIGN - WALL MOUNTED - SINGLE OR DOUBLE FACE		MOTOR OPERATED DAMPER PROVIDED WITH MANUAL MOTOR STARTER
SEE FLOOR PLANS FOR EXIT AND DESIGNATION SIGNS REQUIRING DIRECTIONAL ARROWS			COMBINATION SMOKE AND FIRE DAMPER PROVIDED WITH MANUAL MOTOR STARTER
	SINGLE POLE SWITCH - MOUNTED 48" AFF UNO		SMOKE DAMPER WITH MANUAL MOTOR STARTER
	3-WAY SWITCH - MOUNTED 48" AFF UNO		JUNCTION BOX FINAL CONNECTION TO EQUIPMENT
	4-WAY SWITCH - MOUNTED 48" AFF UNO		CONNECTION TO FAN POWER BOX, W/ SINGLE POLE SWITCH FOR DISCONNECTING MEANS
	IN WALL-TYPE DIMMER - MOUNTED 48" AFF UNO		ELECTRIC STRIKE
	KEY OPERATED SWITCH - MOUNTED 48" AFF UNO		ELECTRIC HAND DRYER - COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS
	TIMER SWITCH SET WITH 30 MINUTE DIAL UNLESS NOTED OTHERWISE		SOLENOID VALVE
	OCCUPANCY/VACANCY SENSOR SWITCH - DUAL TECHNOLOGY - WALL MOUNTED W/ ON/OFF OVERRIDE - MOUNTED 48" AFF UNO - REFER TO 3/E601 FOR ADDITIONAL INFORMATION		DOUBLE OR TRIPLE COMPARTMENT SURFACE METAL RACEWAY - SEE FLOOR PLANS FOR TYPE, LENGTH AND QUANTITY OF DEVICES
	WEATHERPROOF SWITCH - MOUNTED 48" AFF UNO		CONTACTOR - RATINGS AS NOTED
	LOW VOLTAGE SWITCH - MOUNTED 48" AFF UNO - NUMBER BESIDE DEVICE INDICATES NUMBER ON LOW VOLTAGE CONTROL SCHEDULES ON DRAWING E702		PHOTO-ELECTRIC CELL
	DAY LIGHTING SENSOR - CEILING MOUNTED - NUMBER BESIDE DEVICE INDICATES NUMBER ON LOW VOLTAGE CONTROL SCHEDULES ON DRAWING E702		RECESSED CEILING SPEAKER
	OCCUPANCY/VACANCY SENSOR - DUAL TECHNOLOGY - CEILING MOUNTED - NUMBER BESIDE DEVICE INDICATES NUMBER ON LOW VOLTAGE CONTROL SCHEDULES ON DRAWING E702		GROUNDING ELECTRODE
	OCCUPANCY/VACANCY - DUAL TECHNOLOGY - WALL OR CEILING - NUMBER BESIDE DEVICE INDICATES NUMBER ON LOW VOLTAGE CONTROL SCHEDULES ON DRAWING E702		TELEVISION OUTLET
	OCCUPANCY/VACANCY - DUAL TECHNOLOGY - CEILING MOUNTED - (FOR HALLWAYS) - NUMBER BESIDE DEVICE INDICATES NUMBER ON LOW VOLTAGE CONTROL SCHEDULES ON DRAWING E702		TELECOMMUNICATION OUTLET
	PHOTOELECTRIC CELL		TELEPHONE OUTLET
	SWITCH WITH PILOT LIGHT (PILOT LIGHT IS ON WHEN SWITCH IS IN OFF POSITION) MOUNTED 48" AFF UNO		CROSSHATCHING INDICATES EQUIPMENT, CONDUIT/CONDUCTORS AND ASSOCIATED DISCONNECTING MEANS TO BE RENDERED DEAD AND REMOVED UNDER DEMOLITION WORK BACK TO THE SOURCE OR DESTINATION UNLESS NOTED OR SHOWN OTHERWISE
	SINGLE PHASE MANUAL MOTOR SWITCH WITH OVERLOADS - MOUNTED 48" AFF UNO	SECTION/DETAIL MARKS	
	ON-OFF-STOP PUSHBUTTON		SECTION NUMBER
	DUPLEX RECEPTACLE - MOUNTED 18" AFF UNO		DRAWING NUMBER WHERE DRAWN
	QUAD RECEPTACLE - MOUNTED 18" AFF UNO		DETAIL NUMBER
	DUPLEX RECEPTACLE - MOUNTED 6" ABOVE BACK SPLASH OF COUNTERTOP		DRAWING NUMBER WHERE DRAWN
	DUPLEX GROUND FAULT INTERRUPTER TYPE RECEPTACLE - MOUNTED 18" AFF UNO		1/E601 1 = DETAIL DESIGNATION/ E601 = DRAWING NUMBER DETAIL IS SHOWN ON
	DUPLEX GROUND FAULT INTERRUPTER TYPE WEATHERPROOF RECEPTACLE - MOUNTED 18" AFF UNO		NEW CONNECTION TO EXISTING
	TWISTLOCK RECEPTACLE - RATING AS SHOWN ON DRAWINGS		DISCONNECT EXISTING EQUIPMENT
	DUPLEX RECEPTACLE - MOUNTED FLUSH IN FLOOR - FINISH AS SELECTED BY ARCHITECT		
	QUAD RECEPTACLE - MOUNTED FLUSH IN FLOOR - FINISH AS SELECTED BY ARCHITECT		
	DUPLEX GROUND FAULT INTERRUPTER TYPE RECEPTACLE - ELECTRIC WATER COOLER - COORDINATE MOUNTING HEIGHT W/ EQUIPMENT MANUFACTURER		
	DUPLEX RECEPTACLE WITH ONE (1) USB PORT AND ONE (1) USB-C PORT		
	SWITCHED DUPLEX RECEPTACLE (TOP HALF ONLY)		
	SWITCHED DOUBLE DUPLEX RECEPTACLE (TOP HALF ONLY)		
	TELEVISION DUPLEX RECEPTACLE - REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS		
	DUPLEX RECEPTACLE - CEILING MOUNTED - PROJECTOR		
	SPECIAL PURPOSE RECEPTACLE - CONFIGURATION TO MATCH EQUIPMENT SUPPLIED		

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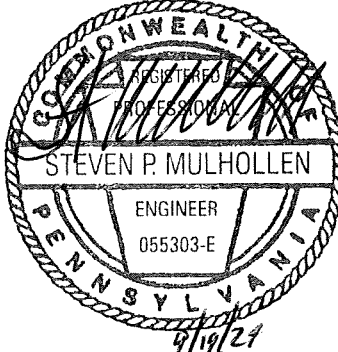
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1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

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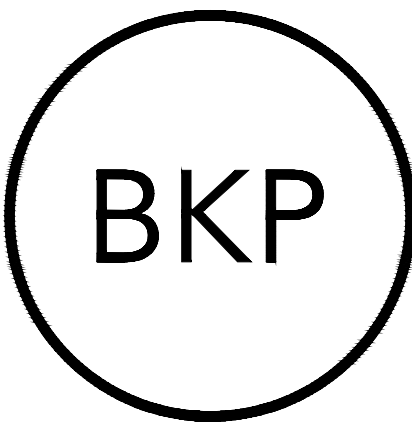
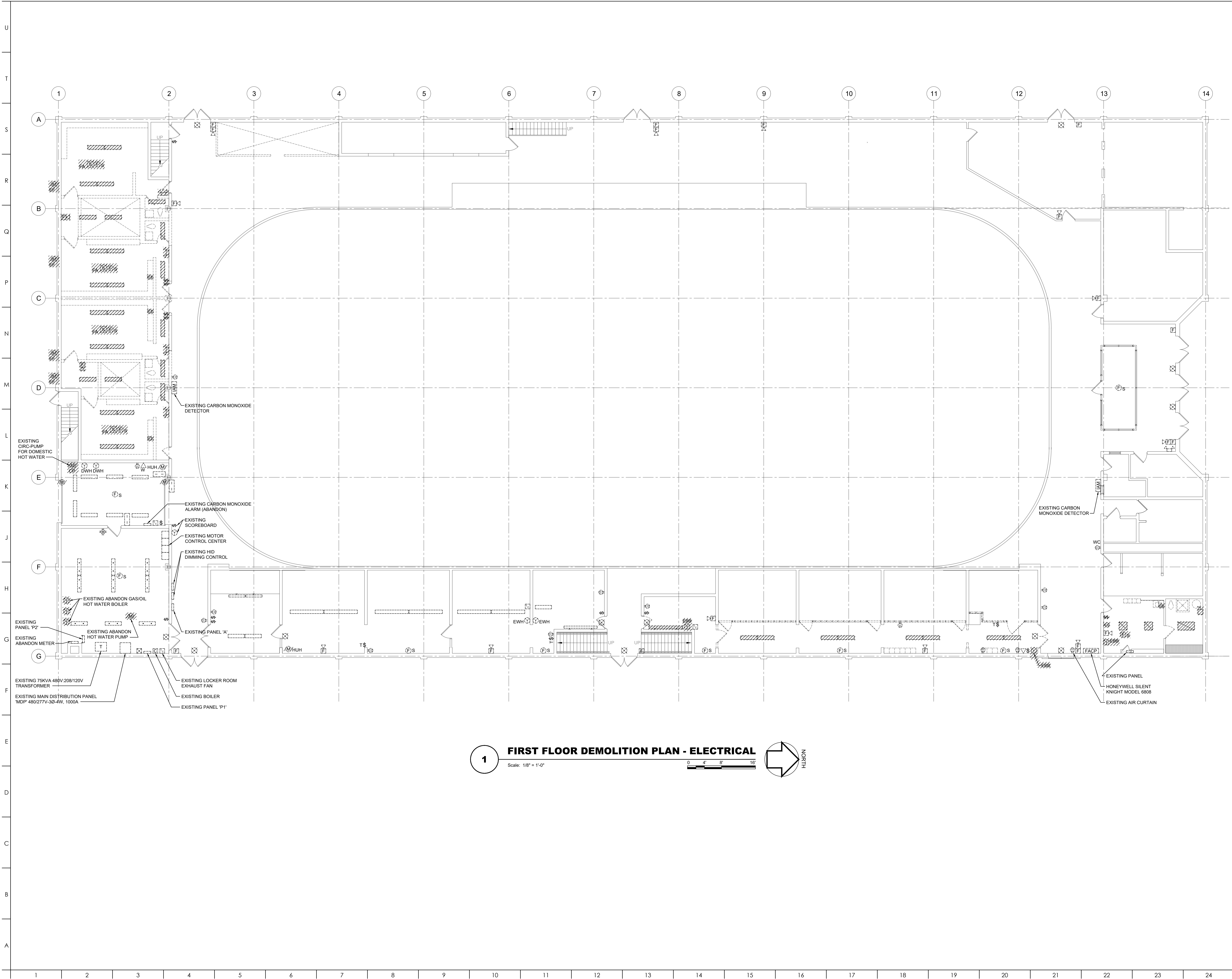
DATE: SEPTEMBER 19, 2024	
PROJECT NO: 2024-02	
DRAWN BY	SMS
CHECKED BY	SPM
SUBMISSION DATE	8/19/2024
PERMIT SET	8/19/2024
BID SET	9/19/2024

REVISION	DATE

DRAWING TITLE:
SYMBOLS,
ABBREVIATIONS, AND
GENERAL NOTES -
ELECTRICAL

DRAWING NO:

E001



ARCHITECT:
BKP ARCHITECTS P.C.
1525 LOCUST STREET
PHILADELPHIA, PA 19102
T: 215.557.6509

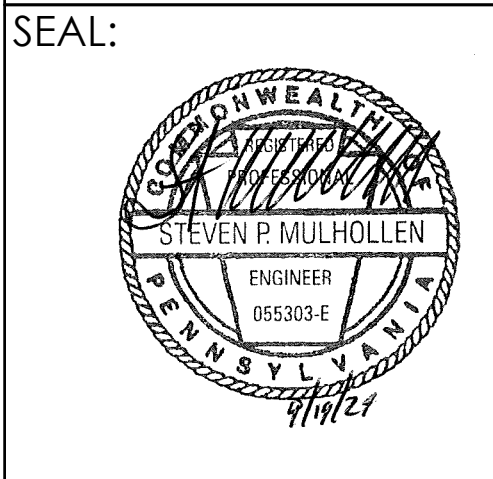
MEP ENGINEER:
H.F. LENZ CO.
1407 SCALP AVENUE
JOHNSTOWN, PA 15904
T: 814.269.9300

STRUCTURAL ENGINEER:
JBC ENGINEERS
1617 JOHN F KENNEDY BLVD.
SUITE 1655
PHILADELPHIA, PA

CLIENT:
HAVERFORD TOWNSHIP
DELAWARE COUNTY
1014 DARBY ROAD
HAVERTOWN, PA 19083-2551

SKATIUM LOCKER ROOM
RENOVATIONS
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

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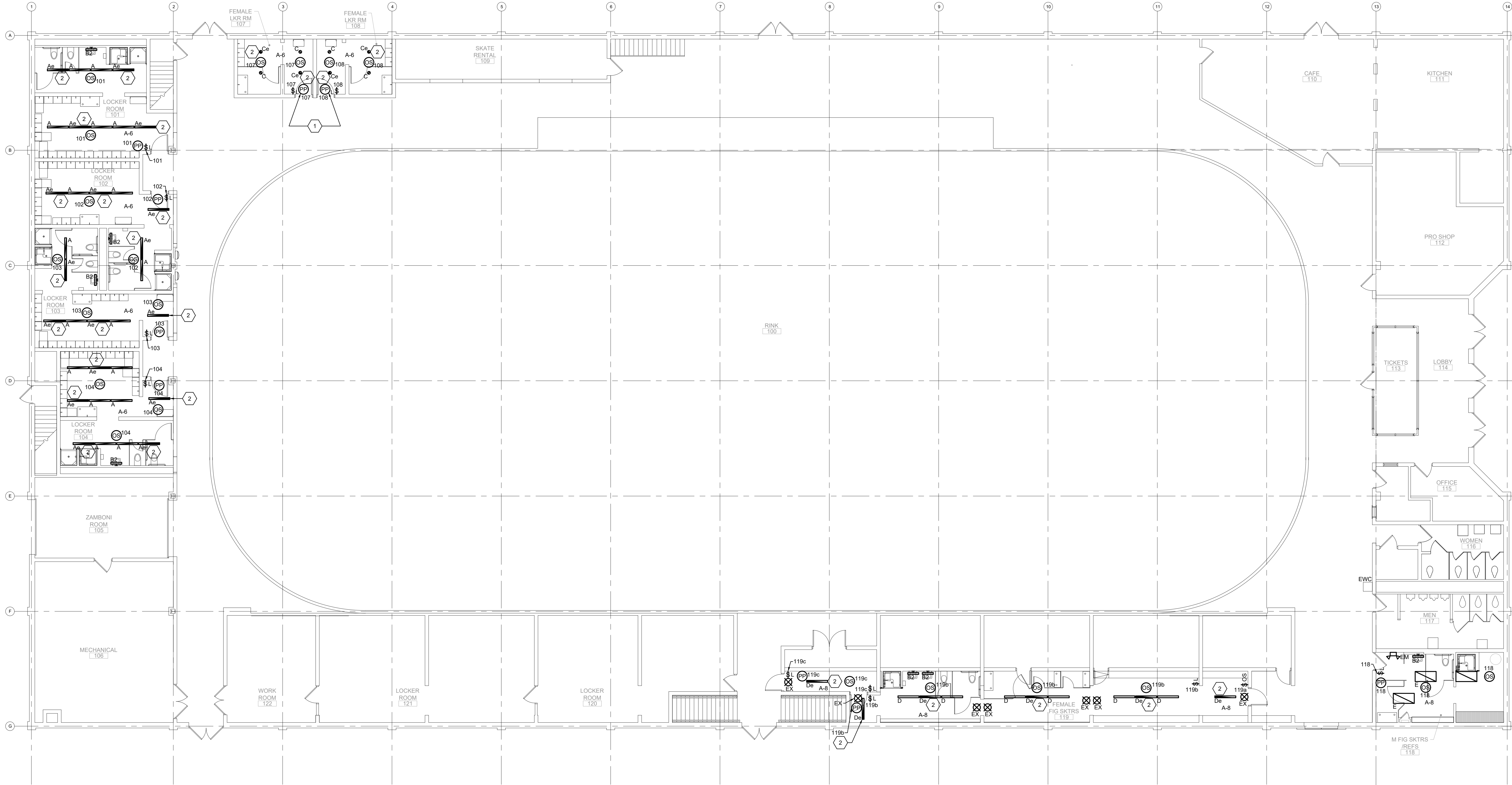
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REVISION	DATE

DRAWING TITLE:
FIRST FLOOR
DEMOLITION PLAN -
ELECTRICAL

DRAWING NO:
E101

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1 FIRST FLOOR PLAN - LIGHTING
Scale: 1/8" = 1'-0"
0 4' 8' 16'
NORTH

KEYNOTES

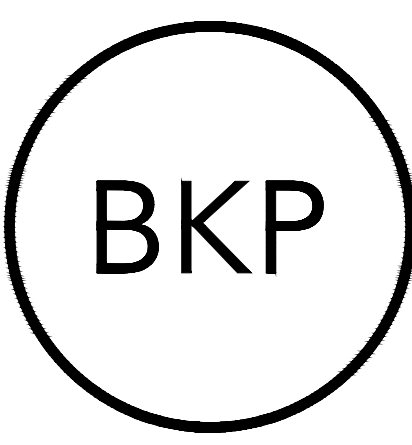
- 1 POWER PACK SHALL BE PROVIDED WITH A CONTACT FOR ROOM EXHAUST FAN CONTROL AND INTERFACE WITH OCCUPANCY SENSORS.
- 2 PROVIDE AN UN-SWITCHED CONDUCTOR CIRCUIT TO ALLOW INTEGRAL EMERGENCY BATTERY TO SENSE LOSS OF POWER AS PER MANUFACTURER'S RECOMMENDATIONS.

GENERAL NOTES

- 1 REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LIGHTING FIXTURE AND ELECTRICAL CEILING MOUNTED DEVICE COORDINATION WITH MECHANICAL DIFFUSERS AND FIRE PROTECTION SPRINKLER HEAD LOCATIONS.

EMERGENCY LIGHTING NOTES

1. CONNECT BATTERY OPERATED EXIT SIGNS, EMERGENCY LIGHTING UNITS AND ANY FIXTURE WITH EMERGENCY BALLAST TO LIGHTING CIRCUIT SERVING THE AREA. THIS CONNECTION SHALL BE AHEAD OF THE SWITCH LEG AND SHALL NOT BE SWITCHED IN ANY MANNER.



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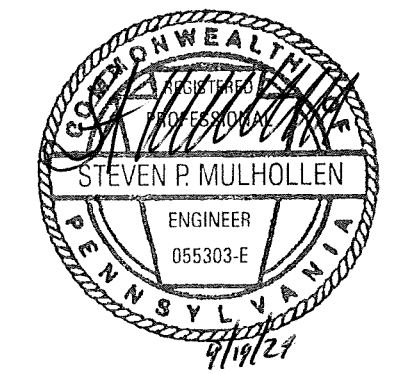
CLIENT:

HAVERFORD TOWNSHIP
DELAWARE COUNTY
1014 DARBY ROAD
HAVERTOWN, PA 19083-2551

**SKATIUM LOCKER ROOM
RENOVATIONS**
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

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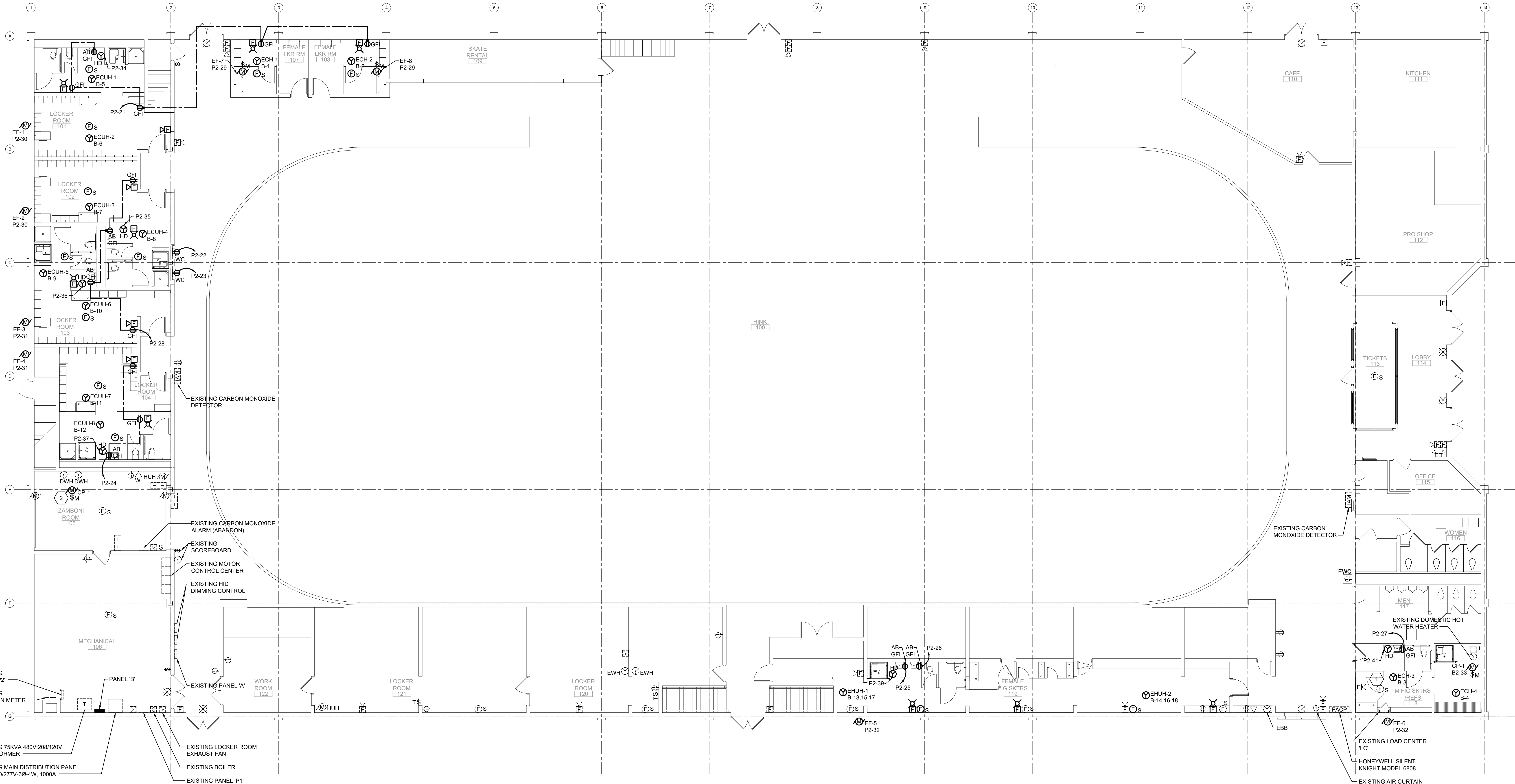
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DRAWING TITLE:
**FIRST FLOOR PLAN -
LIGHTING**

DRAWING NO:
E201

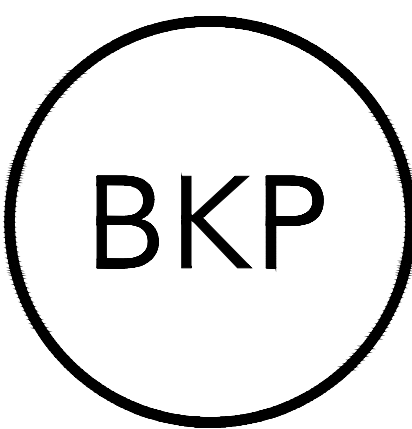
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

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KEYNOTES

- 1 RELOCATE EXISTING FIRE ALARM SMOKE DETECTOR TO FINISHED CEILING. EXTEND EXISTING WIRING/CONDUIT (SIZES AND QUANTITIES TO MATCH EXISTING) AND PROVIDE NECESSARY BACK BOX TO ACCOMMODATE RELOCATION.
- 2 CONNECT TO EXISTING CIRCUIT BREAKER PREVIOUSLY SERVING EXISTING CIRC PUMP PRIOR TO DEMOLITION.



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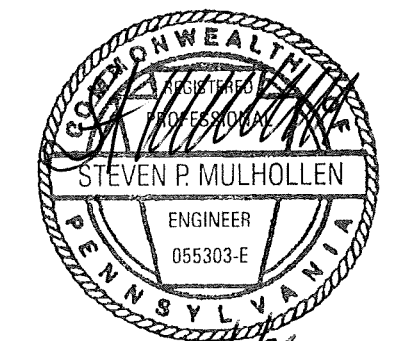
STRUCTURAL ENGINEER:
JBC ENGINEERS
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PHILADELPHIA, PA

CLIENT:
HAVERFORD TOWNSHIP
DELAWARE COUNTY
1014 DARBY ROAD
HAVERTOWN, PA 19083-2551

SKATIUM LOCKER ROOM
RENOVATIONS
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

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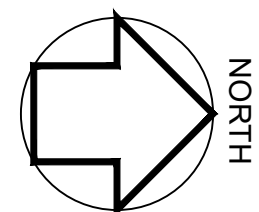
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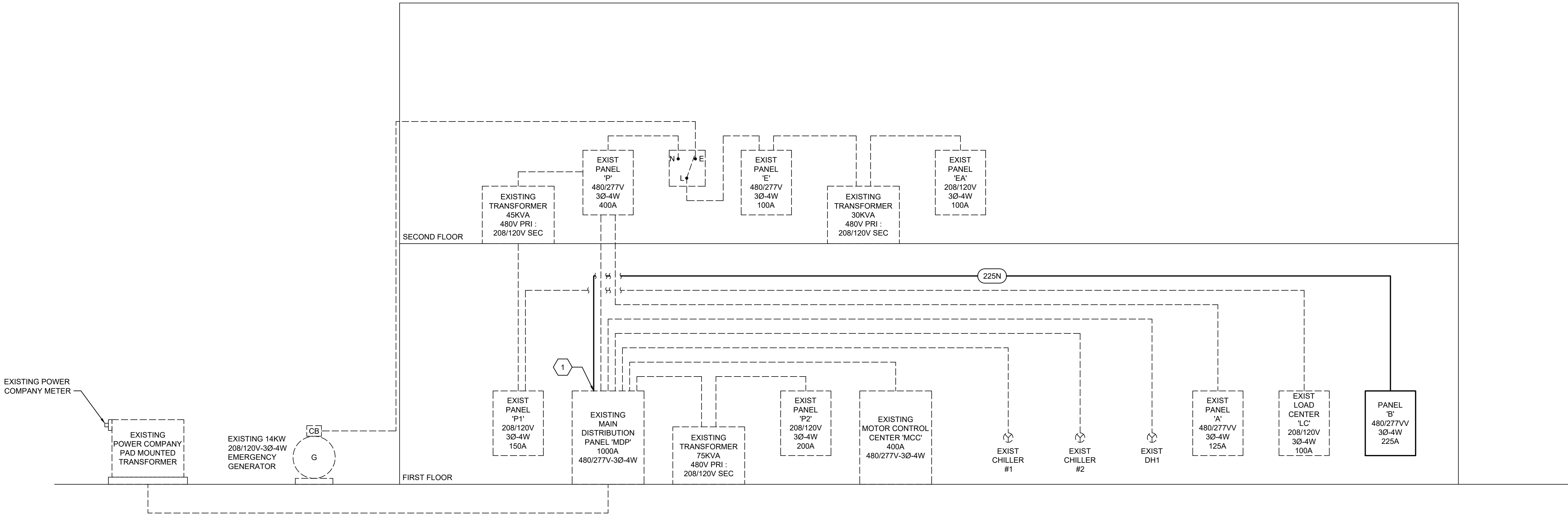
DRAWING TITLE:
FIRST FLOOR PLAN -
POWER AND SIGNAL

DRAWING NO:
E301

1 FIRSTFLOOR PLAN - POWER AND SIGNAL
Scale: 1/8" = 1'-0"
0 4' 8' 16'



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KEYNOTES

1 PROVIDE A 225A-3P CIRCUIT BREAKER IN EXISTING MAIN DISTRIBUTION PANEL 'MDP' PROVISIONAL SPACE. REFER TO 2/E501 FOR ADDITIONAL INFORMATION.

1 RISER DIAGRAM - ELECTRICAL
NOT TO SCALE

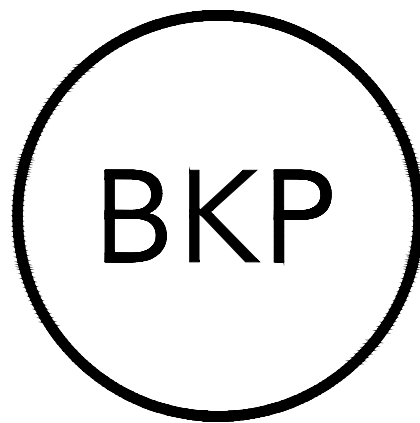


EXISTING PROVISIONAL SPACE FOR 225A-3P CIRCUIT BREAKER FOR PANEL 'B'

EXISTING DATA
MANUFACTURER: SQUARE D - QED SERIES 2
1000A-480/277V-3Ø-4W
PLANT CODE 44
CAT# 39803335-001

2 EXISTING MAIN DISTRIBUTION PANEL 'MDP'
NOT TO SCALE

FEEDER SCHEDULE									
FEEDER NUMBER	QTY of SETS	PHASE CONDUCTORS (PER SET)		NEUTRAL CONDUCTORS (PER SET)		GROUND CONDUCTORS (PER SET)		CONDUIT SIZE (PER SET)	NOTES
		QTY	SIZE	QTY	SIZE	QTY	SIZE		
225N	1	3	4/0	1	4/0	1	4	2"	



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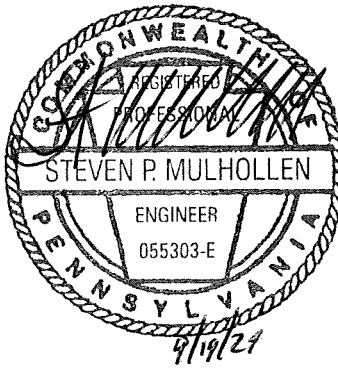
STRUCTURAL ENGINEER:
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PHILADELPHIA, PA

CLIENT:
HAVERFORD TOWNSHIP
DELAWARE COUNTY
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HAVERTOWN, PA 19083-2551

SKATIUM LOCKER ROOM
RENOVATIONS
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

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DRAWING TITLE:
RISER DIAGRAM -
ELECTRICAL

DRAWING NO:

E501

BKP

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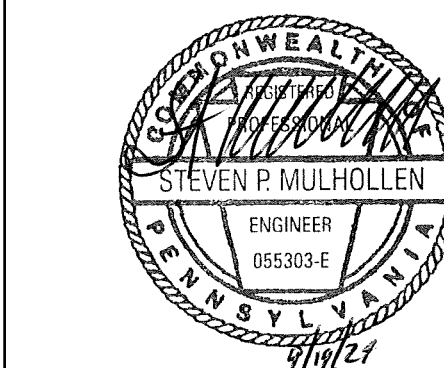
CLIENT:

HAVERFORD TOWNSHIP
DELAWARE COUNTY
1014 DARBY ROAD
HAVERTOWN, PA 19083-2551

**SKATIUM LOCKER ROOM
RENOVATIONS**
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

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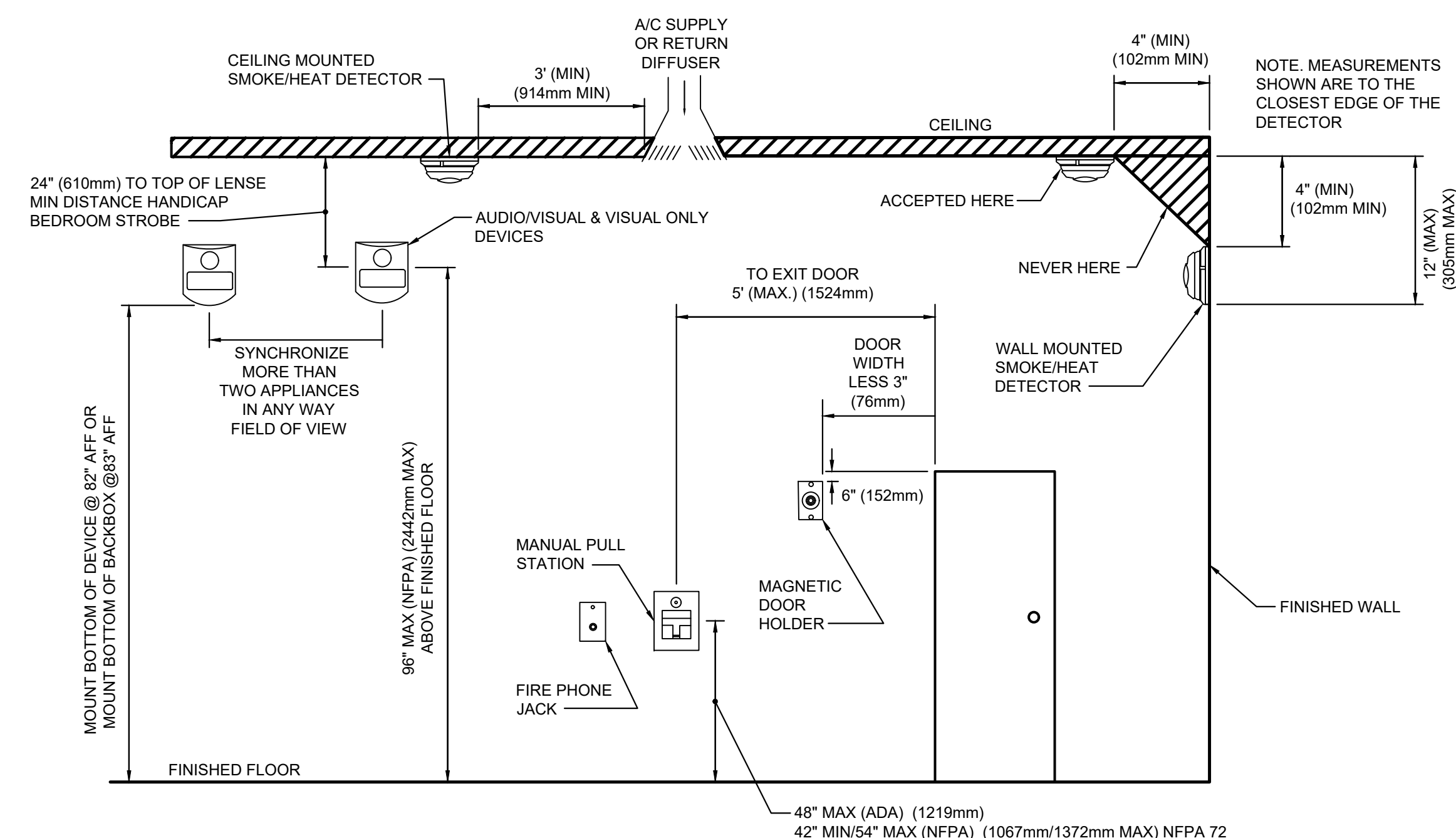


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DRAWING TITLE:
DETAILS -
ELECTRICAL

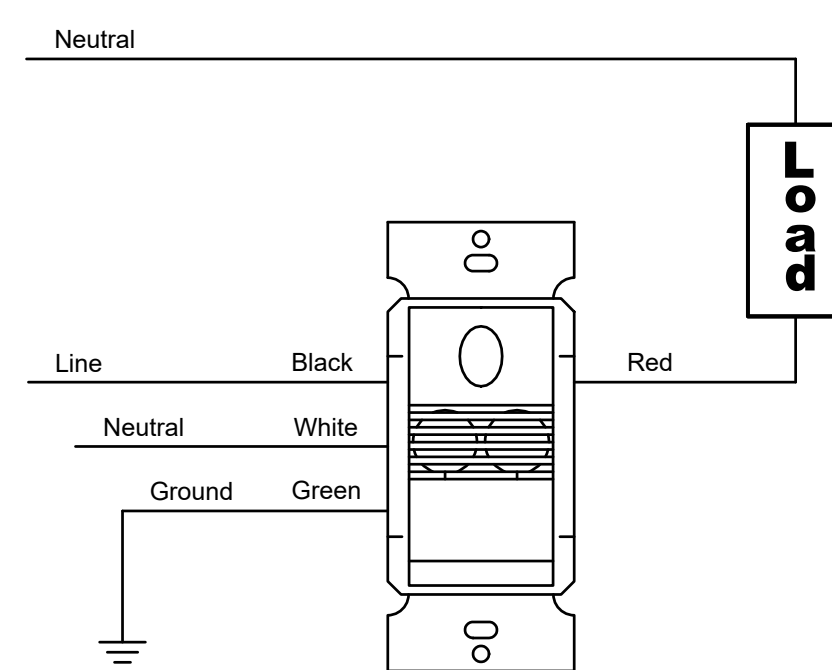
DRAWING NO:

E60 1



1 FIRE ALARM RECOMMENDED DEVICE MOUNTING HEIGHTS DETAIL

NOT TO SCALE

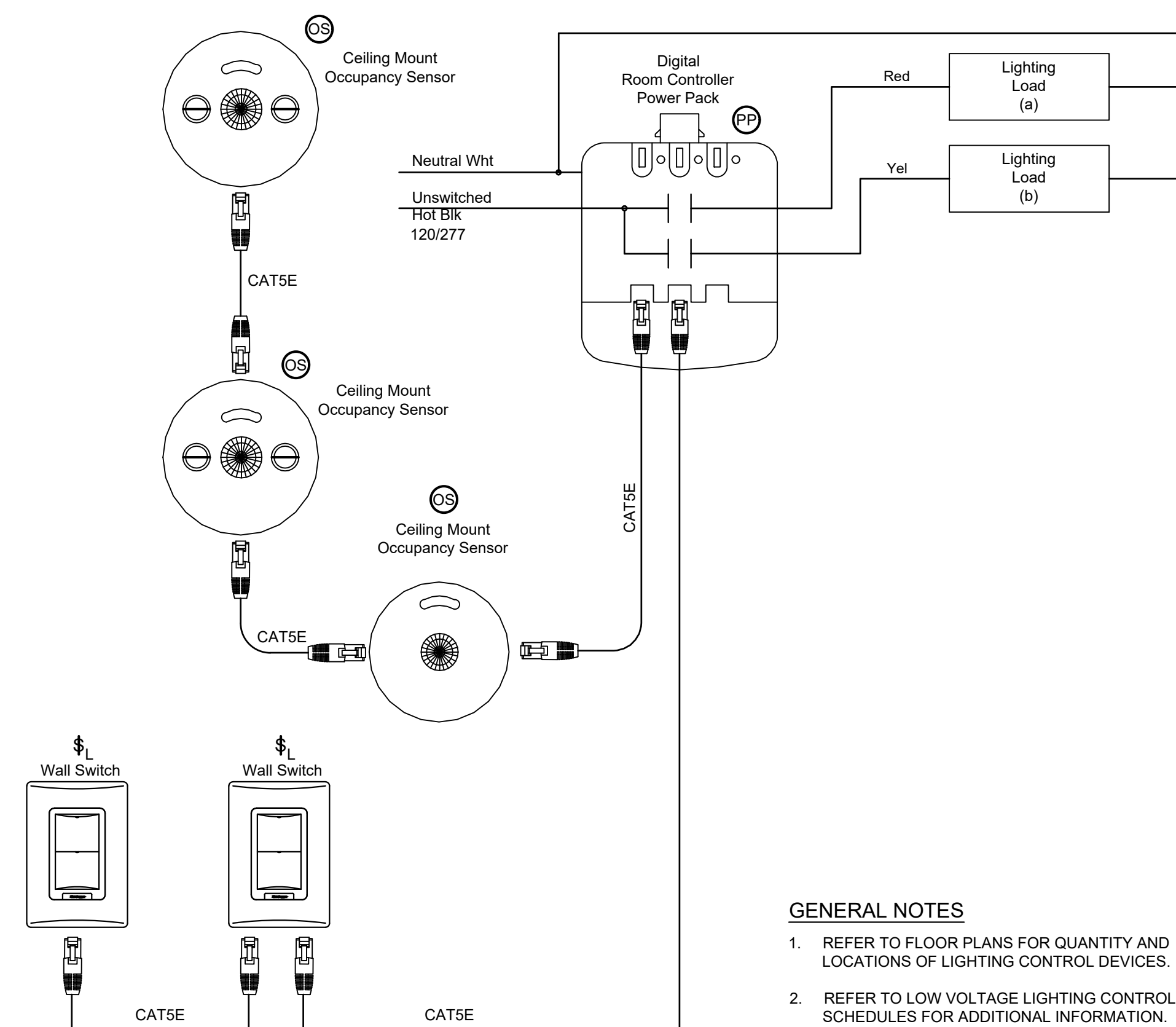


NOTE:

1. REFER TO LOW VOLTAGE CONTROL SCHEDULES FOR WALL SWITCH SETTINGS AND TIME DELAY.
2. ON / OFF CONTROL ONLY.

3 LINE VOLTAGE WALL SWITCH SENSOR (DUAL TECH)

NOT TO SCALE



GENERAL NOTES

1. REFER TO FLOOR PLANS FOR QUANTITY AND LOCATIONS OF LIGHTING CONTROL DEVICES.
2. REFER TO LOW VOLTAGE LIGHTING CONTROL DEVICE SCHEDULES FOR ADDITIONAL INFORMATION.

2 TYPICAL DIGITAL LIGHTING CONTROL SYSTEM DETAIL

NOT TO SCALE

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EXISTING LOAD CENTER (EXISTING CONDITIONS)					
BUSING		100	AMPS	VOLTAGE	120 /208V
				MOUNTING	1-Ph 3-W
MAIN DEVICE		SURFACE			
NO	DESCRIPTION	CB/P	CB/P	DESCRIPTION	NO
1	EXIST FIRE ALARM	201/1	%	20/2	EXIST NOT LABELED (ON POSITION)
3	EXIST NOT LABELED (ON POSITION)	201/1	%	-	-
5	EXIST FREEZER UNDER STANDS	20/2	201/1	%	EXIST DISCO LIGHTS ICE RINK
7	-	-	201/1	%	EXIST NOT LABELED (ON POSITION)
9	EXIST BASEBOARD HEATER	20/2	201/1	%	EXIST TV
11	-	-	201/1	%	EXIST GFI RECEPT/EXIST TIME CLOCK
13	EXIST NOT LABELED (ON POSITION)	20/2	201/1	%	EXIST SIGN
15	-	-	30/2	-	EXIST WATER HEATER
17	EXIST SIDE DOOR C & D	201/1	%	-	-
% - INDICATES SPLIT BREAKER (2-BREAKERS IN ONE SLOT - SIZE AS INDICATED)					
MANUFACTURER: SQUARE D - TYPE NF					

EXISTING PANEL A (EXISTING CONDITIONS)					
BUSING		250	AMPS	VOLTAGE	480 /277V
				MOUNTING	3-Ph 4-W
MAIN DEVICE		SURFACE			
NO	DESCRIPTION	CB/P	CB/P	DESCRIPTION	NO
1	EXIST ZAMBONI ROOM	20/1	20/1	EXIST EXTERIOR LIGHTS SOUTH	2
3	EXIST NOT LABELED (ON POSITION)	20/1	20/1	EXIST EXTERIOR LIGHTS NORTH	4
5	EXIST NOT LABELED (ON POSITION)	20/1	20/1	SPARE	6
7	EXIST RICKS OFFICE	20/1	20/1	SPARE	8
9	EXIST NOT LABELED (ON POSITION)	20/1	20/1	SPARE	10
11	SPARE	20/1	20/1	SPARE	12
13	SPARE	20/1	20/1	SPARE	14
15	SPARE	20/1	20/1	SPARE	16
17	SPARE	20/1	20/1	EXIST RINK LIGHTS - R	18
19	SPARE	20/1	20/1	EXIST RINK LIGHTS - U	20
21	EXIST RINK LIGHTS - I	20/1	20/1	EXIST RINK LIGHTS - V	22
23	EXIST RINK LIGHTS - A	20/1	20/1	EXIST RINK LIGHTS - K	24
25	EXIST RINK LIGHTS - B	20/1	20/1	EXIST RINK LIGHTS - L	26
27	EXIST RINK LIGHTS - C	20/1	20/1	EXIST RINK LIGHTS - M	28
29	EXIST RINK LIGHTS - D	20/1	20/1	EXIST RINK LIGHTS - N	30
31	EXIST RINK LIGHTS - E	20/1	20/1	EXIST RINK LIGHTS - O	32
33	EXIST RINK LIGHTS - F	20/1	20/1	EXIST RINK LIGHTS - P	34
35	EXIST RINK LIGHTS - G	20/1	20/1	EXIST RINK LIGHTS - Q	36
37	EXIST RINK LIGHTS - H	20/1	20/1	EXIST RINK LIGHTS - R	38
39	EXIST RINK LIGHTS - I	20/1	20/1	EXIST RINK LIGHTS - S	40
41	EXIST RINK LIGHTS - J	20/1	20/1	EXIST RINK LIGHTS - T	42
MANUFACTURER: SQUARE D - TYPE NF					

EXISTING PANEL E (EXISTING CONDITIONS)					
BUSING		100	AMPS	VOLTAGE	480 /277V
				MOUNTING	3-Ph 4-W
MAIN DEVICE		SURFACE			
NO	DESCRIPTION	CB/P	CB/P	DESCRIPTION	NO
1	EXIST EXIT LIGHTS	20/1	-	-	2
3	EXIST SHOWER ROOMS	20/1	40/3	EXIST PANEL 'EA'	4
5	EXIST MEETING ROOM LIGHTS	20/1	-	-	6
7	EXIST BOILER ROOM 1ST FLOOR	20/1	20/1	EXIST NOT LABELED (ON POSITION)	8
9	EXIST UNDER STANDS	20/1	20/1	EXIST NOT LABELED (ON POSITION)	10
11	EXIST FRONT ENTRANCE	20/1	20/1	EXIST NOT LABELED (ON POSITION)	12
MANUFACTURER: ZINSICO - TYPE NH1B 6367					

EXISTING PANEL N (EXISTING CONDITIONS)					
BUSING		100	AMPS	VOLTAGE	208 /120V
				MOUNTING	3-Ph 4-W
MAIN DEVICE		SURFACE			
NO	DESCRIPTION	CB/P	CB/P	DESCRIPTION	NO
1	EXIST COOLING TOWER CONTROLS	20/1	20/1	EXIST LIGHTS OVER STAND	2
3	EXIST LIGHTS CONCESSION SIDE	20/1	20/1	EXIST LIGHTS OVER STAND	4
5	EXIST LIGHTS CONCESSION SIDE	20/1	20/1	SPARE (ON POSITION)	6
7	EXIST LIGHTS CONCESSION SIDE	20/1	50/2	EXIST A/C	8
9	EXIST LIGHTS CONCESSION SIDE	20/1	-	-	10
11	EXIST NIGHT LIGHT FRONT CONCESSION SIDE	20/1	20/1	EXIST CONTACTOR	12
13	EXIST HOT WATER HEATER	20/1	20/1	EXIST LIGHTS OVER STAND	14
15	EXIST NOT LABELED (ON POSITION)	20/1	60/2	EXIST FUBAR	16
17	EXIST NOT LABELED (ON POSITION)	20/1	-	-	18
19	EXIST EXIT/EMERGENCY LIGHTS	20/1	20/1	EXIST NOT LABELED (ON POSITION)	20
21	EXIST FIRE ALARM CONTROL PANEL	20/1	20/1	EXIST NOT LABELED (ON POSITION)	22
23	EXIST NOT LABELED (ON POSITION)	20/1	20/1	EXIST AIR DRYER	24
25	EXIST SCOREBOARD	20/1	20/2	EXIST A/C CONTROLS	26
27	EXIST NOT LABELED (ON POSITION)	20/2	-	-	28
29	-	-	20/1	EXIST NOT LABELED (ON POSITION)	30
MANUFACTURER: ZINSICO - TYPE NHQB 6367					

EXISTING PANEL P (EXISTING CONDITIONS)					
BUSING		400	AMPS	VOLTAGE	480 /277V
				MOUNTING	3-Ph 4-W
MAIN DEVICE		SURFACE			
NO	DESCRIPTION	CB/P	CB/P	DESCRIPTION	NO
1	PROVISION	-	-	PROVISION	2
3	PROVISION	-	-	PROVISION	4
5	PROVISION	-	-	PROVISION	6
7	EXIST HOT WATER HEATER ROOM A10	40/2	-	-	8
9	-	-	100/3	EXIST TRANSFER SWITCH (NORMAL)	10
11	PROVISION	-	-	-	12
13	PROVISION	-	-	PROVISION	14
15	PROVISION	-	-	PROVISION	16
17	PROVISION	-	-	PROVISION	18
19	-	-	-	-	20
21	EXIST AIR COMPRESSOR	20/3	20/3	EXIST NOT LABELED (ON POSITION)	22
23	-	-	-	-	24
25	-	-	-	-	26
27	EXIST PUMP P-1	60/3	XX/3	EXIST OLD RANGE CIRCUIT NO LONGER USED	28
29	-	-	-	-	30
31	-	-	40/2	EXIST NOT LABELED (ON POSITION)	32
33	EXIST NOT LABELED (ON POSITION)	100/3	-	-	34
35	-	-	-	PROVISION	36
37	-	-	-	PROVISION	38
39	EXIST PANEL 'A'	125/3	-	PROVISION	40
41	-	-	-	PROVISION	42
MANUFACTURER: PENN PANEL & BOX CO. - CAT #CDP-42-4L					

EXISTING PANEL P1 (EXISTING CONDITIONS)					
BUSING		225	AMPS	VOLTAGE	208 /120V
				MOUNTING	3-Ph 4-W
MAIN DEVICE		SURFACE			
NO	DESCRIPTION	CB/P	CB/P	DESCRIPTION	NO
1	-	-	20/1	EXIST HEATER HOT WATER	2
3	EXIST NOT LABELED (ON POSITION)	60/3	20/1	EXIST HEATER BOILER	4
5	-	-	20/1	EXIST CONTROL CIRCUIT CHILLER	6
7	EXIST NOT LABELED (ON POSITION)	20/1	20/1	EXIST NOT LABELED (ON POSITION)	8
9	EXIST NOT LABELED (ON POSITION)	20/1	20/1	EXIST CONTROL CIRCUIT CHILLER	10
11	EXIST 2ND FLOOR RECEPTACLES	20/1	20/1	EXIST HEATER CONTROL PANEL	12
13	EXIST OFFICES 2ND FLOOR	20/1	20/1	EXIST OUTSIDE LIGHT CONTROL CIRCUIT	14
15	EXIST LOCKER ROOM EXHAUST FAN TIMER	20/1	20/1	EXIST NOT LABELED (ON POSITION)	16
17	EXIST MCC CONTROL	20/1	20/1	EXIST CIRC PUMP TOWER FILL SOLENOID VALVE	18
19	EXIST CHILLER 2	20/1	20/1	EXIST CIRC PUMP HOT WATER TANK	20
21	EXIST NOT LABELED (ON POSITION)	20/1	20/1	EXIST NOT LABELED (ON POSITION)	22
23	EXIST NOT LABELED (ON POSITION)	20/1	20/1	EXIST NOT LABELED (ON POSITION)	24
25	-	-	-	-	26
27	EXIST NOT LABELED (ON POSITION)	100/3	30/3	EXIST NOT LABELED (ON POSITION)	28
29	-	-	-	-	30
31	EXIST RECEPTACLE AT TOP OF STANDS	20/1	20/1	EXIST ZAMBONI ROOM FANS	32
33	EXIST NOT LABELED (ON POSITION)	20/1	20/1	EXIST CHILLER 1	34
35	EXIST RECEPTACLE UNDER STANDS	20/1	20/1	EXIST LOCKER ROOM EMERGENCY LIGHTS	36
37	EXIST 2ND FLOOR RESTROOM RECEPTACLES	20/1	20/1	EXIST NOT LABELED (ON POSITION)	38
39	EXIST 2ND FLOOR RESTROOM RECEPTACLES	20/1	20/1	EXIST EXHAUST FAN MECH ROOM	40
41	SPARE	20/1	20/1	EXIST UNIT HEATER ZAMBONI ROOM	42
MANUFACTURER: SQUARE D - TYPE NQ					

EXISTING PANEL P2 (EXISTING CONDITIONS)					
BUSING		200	AMPS	VOLTAGE	208 /120V
				MOUNTING	3-Ph 4-W
MAIN DEVICE		SURFACE			
NO	DESCRIPTION	CB/P	CB/P	DESCRIPTION	NO
1	EXIST RIGHT EV CHARGER #2	40/2	40/2	EXIST LEFT EV CHARGER #1	2
3	-	-	-	-	4
5	EXIST EXTERIOR RECEPTACLES	20/1	30/2	EXIST LOCKER ROOM HEATER	6
7	EXIST MECH ROOM RECEPTACLES	20/1	-	-	8
9	EXIST NOT LABELED (ON POSITION)	20/1	20/1	EXIST NOT LABELED (ON POSITION)	10
11	EXIST NOT LABELED (ON POSITION)	20/1	20/1	EXIST NOT LABELED (ON POSITION)	12
13	EXIST NOT LABELED (ON POSITION)	20/1	20/1	EXIST NOT LABELED (ON POSITION)	14
15	EXIST NOT LABELED (ON POSITION)	20/1	20/1	EXIST NOT LABELED (ON POSITION)	16
17	EXIST RIGHT EV CHARGER (PUBLIC)	40/2	40/2	EXIST LEFT EV CHARGER (TOWNSHIP)	18
19	-	-	-	-	20
21	PROVISION	-	-	PROVISION	22
23	PROVISION	-	-	PROVISION	24
25	PROVISION	-	-	PROVISION	26
27	PROVISION	-	-	PROVISION	28
29	PROVISION	-	-	PROVISION	30
31	PROVISION	-	-	PROVISION	32
33	PROVISION	-	-	PROVISION	34
35	PROVISION	-	-	PROVISION	36
37	PROVISION	-	-	PROVISION	38
39	PROVISION	-	-	PROVISION	40
41	PROVISION	-	-	PROVISION	42
MANUFACTURER: SQUARE D - TYPE NQ					

GENERAL NOTES

- EXISTING PANEL CONDITIONS WHERE OBTAINED FROM FIELD SURVEY NOTES. EC SHALL FIELD VERIFY ALL EXISTING CONDITIONS.
- BOLD LETTERING IN SCHEDULE INDICATES NEW CIRCUIT AND/OR CIRCUIT BREAKER INSTALLED IN EXISTING PANEL.
- AFTER CONSTRUCTION, ALL UNUSED SPACES IN PANELS SHALL BE LABELED AS 'PROVISION', ALL SPARE BREAKERS SHALL BE PLACED IN THE OFF POSITION AND LABELED 'SPARE'.
- PANEL MUST BE BALANCED AFTER WORK IS COMPLETE AND PRIOR TO UPDATING PANEL DIRECTORY.

KEYNOTES

- PROVIDE A 20A-1P SPARE CIRCUIT BREAKER IN PROVISIONAL SPACE FOR CIRCUIT INDICATED.
- CONNECT TO EXISTING 20A-1P CIRCUIT BREAKER FOR CIRCUIT INDICATED.

EXISTING PANEL A (NEW WORK)					
BUSING		250	AMPS	VOLTAGE	480 /277V
				MOUNTING	3-Ph 4-W
MAIN DEVICE		SURFACE			
LOAD	NO	DESCRIPTION	CB/P	CB/P	DESCRIPTION
700	1	EXIST ZAMBONI ROOM	20/1	20/1	EXIST EXTERIOR LIGHTS SOUTH
	3	EXIST NOT LABELED (ON POSITION)	20/1	20/1	EXIST EXTERIOR LIGHTS NORTH
	5	EXIST NOT LABELED (ON POSITION)	20/1	20/1	LOCKER ROOM LIGHTING
	7	EXIST RICKS OFFICE	20/1	20/1	LOCKER ROOM LIGHTING
	9	EXIST NOT LABELED (ON POSITION)	20/1	20/1	SPARE
	11	SPARE	20/1	20/1	SPARE
	13	SPARE	20/1	20/1	SPARE
	15	SPARE	20/1	20/1	SPARE
	17	SPARE	20/1	20/1	EXIST RINK LIGHTS - R
	19	SPARE	20/1	20/1	EXIST RINK LIGHTS - U
	21	EXIST RINK LIGHTS - I	20/1	20/1	EXIST RINK LIGHTS - V
	23	EXIST RINK LIGHTS - A	20/1	20/1	EXIST RINK LIGHTS - K
	25	EXIST RINK LIGHTS - B	20/1	20/1	EXIST RINK LIGHTS - L
	27	EXIST RINK LIGHTS - C	20/1	20/1	EXIST RINK LIGHTS - M
368	29	EXIST RINK LIGHTS - D	20/1	20/1	EXIST RINK LIGHTS - N
	31	EXIST RINK LIGHTS - E	20/1	20/1	EXIST RINK LIGHTS - O
	33	EXIST RINK LIGHTS - F	20/1	20/1	EXIST RINK LIGHTS - P
	35	EXIST RINK LIGHTS - G	20/1	20/1	EXIST RINK LIGHTS - Q
	37	EXIST RINK LIGHTS - H	20/1	20/1	EXIST RINK LIGHTS - R
	39	EXIST RINK LIGHTS - I	20/1	20/1	EXIST RINK LIGHTS - S
	41	EXIST RINK LIGHTS - J	20/1	20/1	EXIST RINK LIGHTS - T
MANUFACTURER: SQUARE D - TYPE NF					
7088	A	1=LIGHTING	6= MISC.		A
8000	B	2=POWER (RECEPT)	7=AIR CONDITIONING		B
6000	C	3= MOTOR			C
		A PHASE WATTS	16988		
		B PHASE WATTS	17500		
		C PHASE WATTS	15106		
		TOTAL WATTS	49614	TOTAL CONNECTED AMPS=	60 A

PANEL B											
BUSING		225	AMPS	VOLTAGE	480 /277V						
S.G.R		25,000	AIC	MOUNTING	3-Ph 4-W						
MAIN DEVICE		MLO			SURFACE						
LOAD	NO	DESCRIPTION			CB/P	CB/P	DESCRIPTION		NO	LOAD	
2000	1	ECH-1			20/1	20/1	ECH-2		2	2000	
4000	3	ECH-3			20/1	20/1	ECH-4		4	2000	
3000	5	ECUH-1			20/1	20/1	ECUH-2		6	3000	
3000	7	ECUH-3			20/1	20/1	ECUH-4		8	3000	
3000	9	ECUH-5			20/1	20/1	ECUH-6		10	3000	
3000	11	ECUH-7			20/1	20/1	ECUH-8		12	3000	
2500	13				-	-			14	2500	
2500	15	EHUH-1			20/3	20/3	EHUH-2		16	2500	
2500	17				-	-			18	2500	
	19	SPARE			20/1	20/1	SPARE		20		
	21	SPARE			20/1	20/1	SPARE		22		
	23	SPARE			20/1	20/1	SPARE		24		
	25	SPARE			20/1	20/1	SPARE		26		
	27	SPARE			20/1	20/1	SPARE		28		
	29	SPARE			20/1	20/1	SPARE		30		
	31	PROVISION			-	-	PROVISION		32		
	33	PROVISION			-	-	PROVISION		34		
	35	PROVISION			-	-	PROVISION		36		
	37	PROVISION			-	-	PROVISION		38		
	39	PROVISION			-	-	PROVISION		40		
	41	PROVISION			-	-	PROVISION		42		
	7500	A									A
9500	B									B	7500
8500	C									C	8500
A PHASE WATTS					15000						
B PHASE WATTS					17000						
C PHASE WATTS					17000						
TOTAL WATTS					49000					TOTAL CONNECTED AMPS= 59 A	

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B

A

LIGHTING FIXTURE SCHEDULE							
DESIGNATION	DESCRIPTION	LED CHARACTERISTICS	VOLTAGE/ DRIVER	MOUNTING	MANUFACTURER	CATALOG NUMBER	REMARKS
A	4"W X 4"H X 4"-0" RECESSED LED LIGHTING FIXTURE WITH ONE-PIECE EXTRUDED FROST ACRYLIC DIFFUSER	24W LED 3000 LUMENS 80 CRI, 4000K	UNIVERSAL 1% 0-10V DIMMING	RECESSED	KENALL	MRS4-48-FL-SYM-750LFT-27/65K8-ATW-DV KIRLIN VRL-025WM-4FT-750L-DD-40K NECRAY S124DR-V795D92765-ETG4F0-1-UW2A-F-AMW	1
Ae	4"W X 4"H X 4"-0" RECESSED LED LIGHTING FIXTURE WITH ONE-PIECE EXTRUDED FROST ACRYLIC DIFFUSER AND INTEGRAL EMERGENCY BACKUP WITH REMOTE TEST SWITCH	24W LED 3000 LUMENS 80 CRI, 4000K	UNIVERSAL 1% 0-10V DIMMING	RECESSED	KENALL	MRS4-48-FL-SYM-750LFT-27/65K8-ATW-DV-LEL KIRLIN VRL-025WM-4FT-750L-DD-40K-99 NECRAY S124DR-V795D92765-ETG4F0-1B2-UW2A-F-AMW	1
B2	7'-0"L LED WALL MOUNTED LIGHTING FIXTURE WITH ONE-PIECE 20 GAUGE CRS BASEPLATE AND END CAPS AND ONE PIECE .156 P12 POLYCARBONATE LENS	25W LED 3000 LUMENS 80 CRI, 4000K	UNIVERSAL 1% 0-10V DIMMING	ABOVE MIRROR	KENALL	RS-24-25L-40K-DCC-1-DV-156 LUMINAIRE LVP524-2FT-MIN1-25W-40K-MVOLT-CLP-WHT FAIL-SAFE FV54M-2-LD4-28TD-35-UNV-P187-EDD1	1
C	4" DIAMETER LED DOWNLIGHT WITH WHITE FINISH AND PRISMATIC LENS	35W LED 2100 LUMENS 80 CRI, 4000K	ELECTRONIC DRIVER	RECESSED	SPECTRUM LIGHTING	RDF04XT30L40KMDE1H12-RD4FTXMMWPGX MOBURN A4VEFLEDU-4040K-L40145CL-ZDM PRECOLITE LFR-4RD-M-30L40K8-MD-DM1L1FR-4RD-T-WCLFR-4RD-HISFL4	1
Ce	4" DIAMETER LED DOWNLIGHT WITH WHITE FINISH AND PRISMATIC LENS AND INTEGRAL EMERGENCY BATTERY	35W LED 2100 LUMENS 80 CRI, 4000K	ELECTRONIC DRIVER	RECESSED	SPECTRUM LIGHTING	RDF04XT30L40KMDE1H12EM-RD4FTXMMWPGX MOBURN A4VEFLEDU-4040K-L40145CL-ZDM-EM117 PRECOLITE LFR-4RD-M-30L40K8-MD-DM1EM1LFR-4RD-T-WCLFR-4RD-HISFL4	1
D	3.5"W X 2.6"D X 4'-0"L LED SURFACE MOUNTED LIGHTING FIXTURE WITH UV-STABILIZED, HIGH-EFFICIENCY DIFFUSED POLYCARBONATE LENS	24W LED 3200 LUMENS 80 CRI, 4000K	UNIVERSAL 1% 0-10V DIMMING	SURFACE	KENALL	MLHA3-48-F-MW-PP-800LF-40K8-DIM1-DV LUMINAIRE VPF4-4FT-PRD-800LMF-40K-MVOLT-OP-WHT FAIL-SAFE HVL52-4-LD4-STD-35-UNV-O-ED1D1-ALHA-SF1	1
De	3.5"W X 2.6"D X 4'-0"L LED SURFACE MOUNTED LIGHTING FIXTURE WITH UV-STABILIZED, HIGH-EFFICIENCY DIFFUSED POLYCARBONATE LENS AND INTEGRAL 10W BATTERY BACKUP	24W LED 3200 LUMENS 80 CRI, 4000K	UNIVERSAL 1% 0-10V DIMMING	SURFACE	KENALL	MLHA3-48-F-MW-PP-800LF-40K8-DIM1-DV-LEL LUMINAIRE VPF4-4FT-PRD-800LMF-40K-MVOLT-OP-WHT-EMB310 FAIL-SAFE HVL52-4-LD4-STD-35-UNV-O-ED1D1-ALHA-SF1-EL10W	1
E	2' X 4' RECESSED LED FIXTURE WITH PRISMATIC LENS AND MATTE WHITE FINISH	27W LED 4000 LUMENS 80 CRI, 4000K	UNIVERSAL 10% 0-10V DIMMING	RECESSED	LITHONIA	SPX-2X4 4000LM 80CRI 40K 8FR MPL MIN10 2T MVOLT MW ADVANTAGE LIGHTING SOLUTIONS LPA-4-BACKLIT/FILM-MPR24 COLUMBIA SRP24-40MWG-ED1U	1
Ee	2' X 4' RECESSED LED FIXTURE WITH PRISMATIC LENS, MATTE WHITE FINISH AND 10W BATTERY BACKUP	27W LED 4000 LUMENS 80 CRI, 4000K	UNIVERSAL 10% 0-10V DIMMING	RECESSED	LITHONIA	SPX-2X4 4000LM 80CRI 40K 8FR MPL MIN10 2T MVOLT E10WLCP MW ADVANTAGE LIGHTING SOLUTIONS LPA-4-BACKLIT-EM10SDFILM-MPR24 COLUMBIA SRP24-40MWG-ED1U-ELL14	1
EM	COMMERCIAL LED EMERGENCY LIGHTING UNIT WITH WHITE FINISH, WET PROTECTIVE VANDAL SHIELD AND NICAD BATTERY	TWO (2) 6.6W LED	120/277V	WALL 7'-6" AFF	LITHONIA	ELMAL WPVS SURE-LITES SELHP100R3 DUAL-LITE VRS	1
EX	SINGLE OR DOUBLE FACE LED EXIT SIGN WITH RED LETTERS, THERMOPLASTIC HOUSING, WHITE FINISH AND NICAD BATTERY	LED	120/277V	UNIVERSAL	LITHONIA	LQM S W 3 R 120/277 ELN SURE-LITES APXTRG COMPASS CER	1
F	2.25"W X 3"D X 4'-0"L PENDANT LED STRIP LIGHT WITH SNAP ON LENS AND WHITE FINISH	41W LED 5000 LUMENS 80 CRI, 4000K	UNIVERSAL 10% 0-10V DIMMING	PENDANT 9'-0" AFF	LITHONIA	ZL1D L48 3000LM FST MVOLT 40K 80CRI WH METALLUX 45NX-31SL-LV-UNV-L840-CD1-U COLUMBIA MPS4-40VW-CW-ED1U/SS18	1

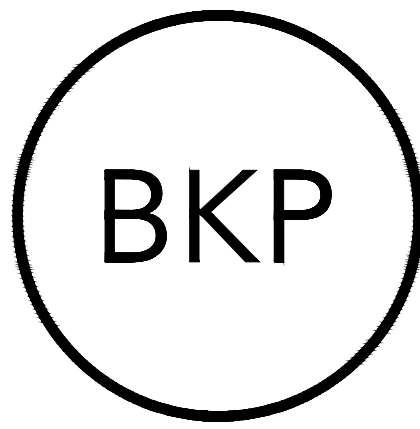
REMARKS
1. THE EC IS RESPONSIBLE FOR ALL LIGHTING, MOUNTING ACCESSORIES, POWER SUPPLIES AND MISC PIECES TO INSURE A COMPLETE INSTALLATION. REFER TO FLOOR PLANS FOR LOCATION AND LENGTH OF RUNS.

MECHANICAL/PLUMBING/ETC. EQUIPMENT CONNECTION SCHEDULE								
EQUIPMENT #	LOAD	VOLTAGE/ PHASE	WIRE SIZE	CONDUIT SIZE	SAFETY SWITCH ENCLOSURE	SIZE	NEMA/HP SIZE	STARTER ENCLOSURE
CP-1	1/12 HP	120/1	2#12 & 1#12 GRD	1/2"	MMS	-	-	-
ECH-1	2.0 KW	277/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
ECH-2	2.0 KW	277/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
ECH-3	4.0 KW	277/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
ECH-4	2.0 KW	277/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
ECUH-1	3.0 KW	277/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
ECUH-2	3.0 KW	277/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
ECUH-3	3.0 KW	277/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
ECUH-4	3.0 KW	277/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
ECUH-5	3.0 KW	277/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
ECUH-6	3.0 KW	277/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
ECUH-7	3.0 KW	277/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
ECUH-8	3.0 KW	277/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
EF-1	1/10 HP	120/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
EF-2	1/10 HP	120/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
EF-3	1/10 HP	120/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
EF-4	1/10 HP	120/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
EF-5	1/10 HP	120/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
EF-6	1/15 HP	120/1	2#12 & 1#12 GRD	1/2"	-	-	-	1
EF-7	18 W	120/1	2#12 & 1#12 GRD	1/2"	-	-	-	1, 2
EF-8	18 W	120/1	2#12 & 1#12 GRD	1/2"	-	-	-	1, 2
EHUH-1	7.5 KW	480/3	3#12 & 1#12 GRD	1/2"	-	-	-	1
EHUH-2	7.5 KW	480/3	3#12 & 1#12 GRD	1/2"	-	-	-	1

NOTES:
1. SINGLE POINT CONNECTION WITH INTEGRAL DISCONNECTING MEANS.
2. INTERLOCKED WITH ROOM OCCUPANCY SENSORS.

DIGITAL ROOM CONTROLLER (POWER PACK) SCHEDULE				
DRC NUMBER	RELAYS	AREA CONTROLLED	CONTROL	NOTES
101	1, 0-10V DIM	LOCKER ROOM 101 ALL FIXTURES	LVS, OS	AUTO ON, AUTO OFF AFTER 20 MINUTES WHEN UNOCCUPIED - REFER TO 2/E601
102	1, 0-10V DIM	LOCKER ROOM 102 ALL FIXTURES	LVS, OS	AUTO ON, AUTO OFF AFTER 20 MINUTES WHEN UNOCCUPIED - REFER TO 2/E601
103	1, 0-10V DIM	LOCKER ROOM 103 ALL FIXTURES	LVS, OS	AUTO ON, AUTO OFF AFTER 20 MINUTES WHEN UNOCCUPIED - REFER TO 2/E601
104	1, 0-10V DIM	LOCKER ROOM 104 ALL FIXTURES	LVS, OS	AUTO ON, AUTO OFF AFTER 20 MINUTES WHEN UNOCCUPIED - REFER TO 2/E601
107	1, 0-10V DIM	FEMALE LOCKER ROOM 107 ALL FIXTURES	LVS, OS	AUTO ON, AUTO OFF AFTER 20 MINUTES WHEN UNOCCUPIED - REFER TO 2/E601, NOTE 1
108	1, 0-10V DIM	FEMALE LOCKER ROOM 108 ALL FIXTURES	LVS, OS	AUTO ON, AUTO OFF AFTER 20 MINUTES WHEN UNOCCUPIED - REFER TO 2/E601, NOTE 1
118	1, 0-10V DIM	M FIG SKTRs ROOMS 118 ALL FIXTURES	LVS, OS	MANUAL ON, AUTO OFF AFTER 20 MINUTES WHEN UNOCCUPIED - REFER TO 2/E601
119b	1, 0-10V DIM	FEMALE FIG SKTRs 119 ALL FIXTURES	LVS, OS	AUTO ON, AUTO OFF AFTER 20 MINUTES WHEN UNOCCUPIED - REFER TO 2/E601
119c	1, 0-10V DIM	FEMALE FIG SKTRs 119 (RESTROOM) ALL FIXTURES	LVS, OS	AUTO ON, AUTO OFF AFTER 20 MINUTES WHEN UNOCCUPIED - REFER TO 2/E601
NOTES: TC = TIME CLOCK, PC = PHOTOELECTRIC CELL, OS = OCCUPANCY SENSOR, LVS = LOW VOLTAGE SWITCH, D = DAYLIGHT SENSOR, PLC = PLUG LOAD CONTROLLER				
1. PROVIDE DIGITAL ROOM CONTROLLER WITH A EXTRA CONTACT FOR INTERLOCKING ROOM EXHAUST FAN CONTROL.				

LOW VOLTAGE CONTROL STATION SCHEDULE				
CONTROL STATION NUMBER	DESCRIPTION	BUTTON NUMBER	DIGITAL ROOM CONTROLLER NUMBER	NOTES
LVS-101	ON/OFF	-	DRC-101	0-10V DIMMING
LVS-102	ON/OFF	-	DRC-102	0-10V DIMMING
LVS-103	ON/OFF	-	DRC-103	0-10V DIMMING
LVS-104	ON/OFF	-	DRC-104	0-10V DIMMING
LVS-118	ON	1	DRC-118	0-10V DIMMING
	OFF	2	DRC-118	
LVS-119a	LINE VOLTAGE SWITCH	-		REFER TO 3/E601 - MANUAL ON, UNOCCUPIED TIMEOUT AFTER 20 MINUTES
LVS-119b	ON	1	DRC-119b	0-10V DIMMING
	OFF	2	DRC-119b	
LVS-119c	ON	1	DRC-119c	0-10V DIMMING
	OFF	2	DRC-119c	
CONTROL STATION NUMBER	DESCRIPTION	BUTTON NUMBER	DIGITAL ROOM CONTROLLER NUMBER	NOTES
OS-101	OCCUPANCY (DUAL TECH)	-	DRC-101	AUTO ON, UNOCCUPIED TIMEOUT AFTER 20 MINUTES
OS-102	OCCUPANCY (DUAL TECH)	-	DRC-102	AUTO ON, UNOCCUPIED TIMEOUT AFTER 20 MINUTES
OS-103	OCCUPANCY (DUAL TECH)	-	DRC-103	AUTO ON, UNOCCUPIED TIMEOUT AFTER 20 MINUTES
OS-104	OCCUPANCY (DUAL TECH)	-	DRC-104	AUTO ON, UNOCCUPIED TIMEOUT AFTER 20 MINUTES
OS-107	OCCUPANCY (DUAL TECH)	-	DRC-107	AUTO ON, UNOCCUPIED TIMEOUT AFTER 20 MINUTES
OS-108	OCCUPANCY (DUAL TECH)	-	DRC-108	AUTO ON, UNOCCUPIED TIMEOUT AFTER 20 MINUTES
OS-118	VACANCY (DUAL TECH)	-	DRC-118	MANUAL ON, UNOCCUPIED TIMEOUT AFTER 20 MINUTES
OS-119b	OCCUPANCY (DUAL TECH)	-	DRC-119b	AUTO ON, UNOCCUPIED TIMEOUT AFTER 20 MINUTES
OS-119c	OCCUPANCY (DUAL TECH)	-	DRC-119c	AUTO ON, UNOCCUPIED TIMEOUT AFTER 20 MINUTES
NOTES: LVS = LOW VOLTAGE SWITCH, OS = OCCUPANCY SENSOR, DRC = DIGITAL ROOM CONTROLLER, D = DAYLIGHT SENSOR				



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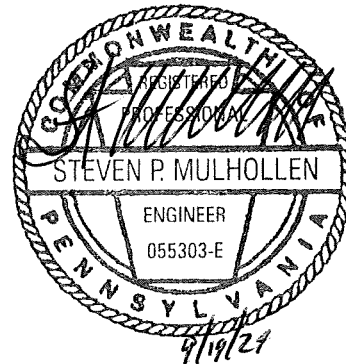
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SKATIUM LOCKER ROOM
RENOVATIONS
1002 DARBY ROAD #3616
HAVERTOWN, PENNSYLVANIA 19083

THIS DRAWING IS TO ILLUSTRATE THE WORK TO BE DONE. THE ARCHITECT IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCE, AND PROCEEDINGS USED TO DO THE WORK OR THE SAFETY ASPECTS OF CONSTRUCTION AND NOTING ON THE DRAWING EXPRESSED OR IMPLIED CHANGES THIS CONDITION. CONTRACTOR SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE WORK. SUBMITTAL OF A BID TO PERFORM THE WORK IS AN ACKNOWLEDGEMENT OF THESE RESPONSIBILITIES AND THAT THEY HAVE BEEN FULLY CONSIDERED IN PLANNING OF THE WORK AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.

SEAL:



DATE: SEPTEMBER 19, 2024
PROJECT NO: 2024-02
DRAWN BY SMS
CHECKED BY SPM
SUBMISSION DATE
PERMIT SET 8/19/2024
BID SET 9/19/2024

REVISION	DATE

DRAWING TITLE:
SCHEDULES -
ELECTRICAL

DRAWING NO:
E702