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NEW LOCKER ROOM FACILITY &  
RENOVATION TO THE EXISTING  
CONCESSION & TENNIS FACILITY  
AT  
MERRILLVILLE HIGH SCHOOL  
276 EAST 68TH PLACE  
MERRILLVILLE, INDIANA 46410

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GENERAL NOTES

1. WATER SERVICE IS NEW & EXISTING.

2. SEWER SERVICE IS NEW & EXISTING.

3. GAS IS NEW & EXISTING.

4. ELECTRIC IS NEW & EXISTING.

5. WHETHER HEREIN STATED OR NOT, ALL WORK SHALL BE IN FULL ACCORDANCE WITH THE RULES AND REGULATIONS OF THE INDIANA DEPARTMENT OF FIRE PREVENTION AND BUILDING SAFETY AND ALL OTHER APPLICABLE LAWS, CODES, ORDINANCES, RULES AND REGULATIONS.

6. ALL CONSTRUCTION SHALL BE IN FULL ACCORDANCE WITH THE BUILDING SAFETY REGULATIONS AS PROMULGATED BY THE INDIANA DIVISION OF LABOR. CONTRACTOR(S) SHALL ASSUME FULL RESPONSIBILITY FOR THE ENFORCEMENT OF ANY INFRACTIONS OF SUCH RULES AND REGULATIONS.

7. ALL ELECTRIC WORK SHALL BE IN FULL ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.

8. UNLESS OTHERWISE SPECIFIED ALL WORK SHALL BE GOVERNED BY THE CURRENT STANDARD A.I.A. DOCUMENT A201, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, 2009 EDITION.

9. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON ABOVE GROUND STRUCTURES. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/ STRUCTURES MAY BE ENCOUNTERED. ALL UTILITY LOCATIONS SHALL BE FIELD VERIFIED BY THE APPROPRIATE UTILITY COMPANY OR THEIR LOCATION SERVICE PRIOR TO CONSTRUCTION. I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE ARE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE INDIANA DEPARTMENT OF FIRE PREVENTION AND BUILDING SAFETY.

THOMAS E. KUHN

IND. REG. #19500131

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THOMAS E. KUHN

ARCHITECT

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10-02-2026

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THE EXISTING CONCESSION & TENNIS FACILITY AT  
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276 E. 68TH PLACE  
MERRILLVILLE, IN 46410

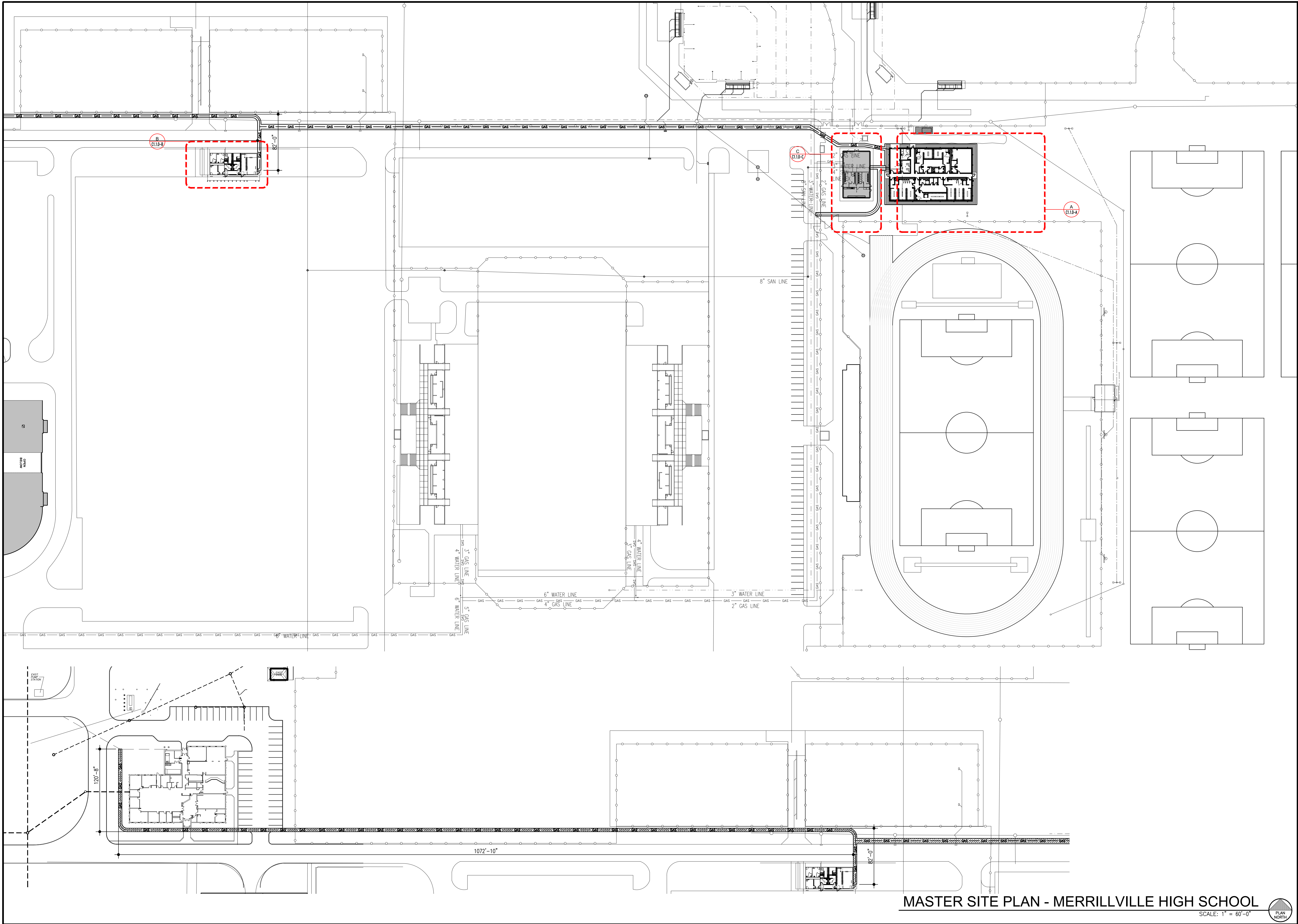
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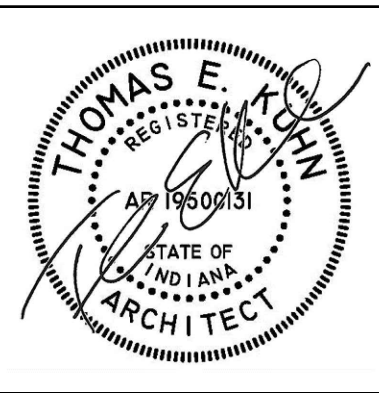
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MASTER SITE PLAN - MERRILLVILLE HIGH SCHOOL

SCALE: 1" = 60'-0"



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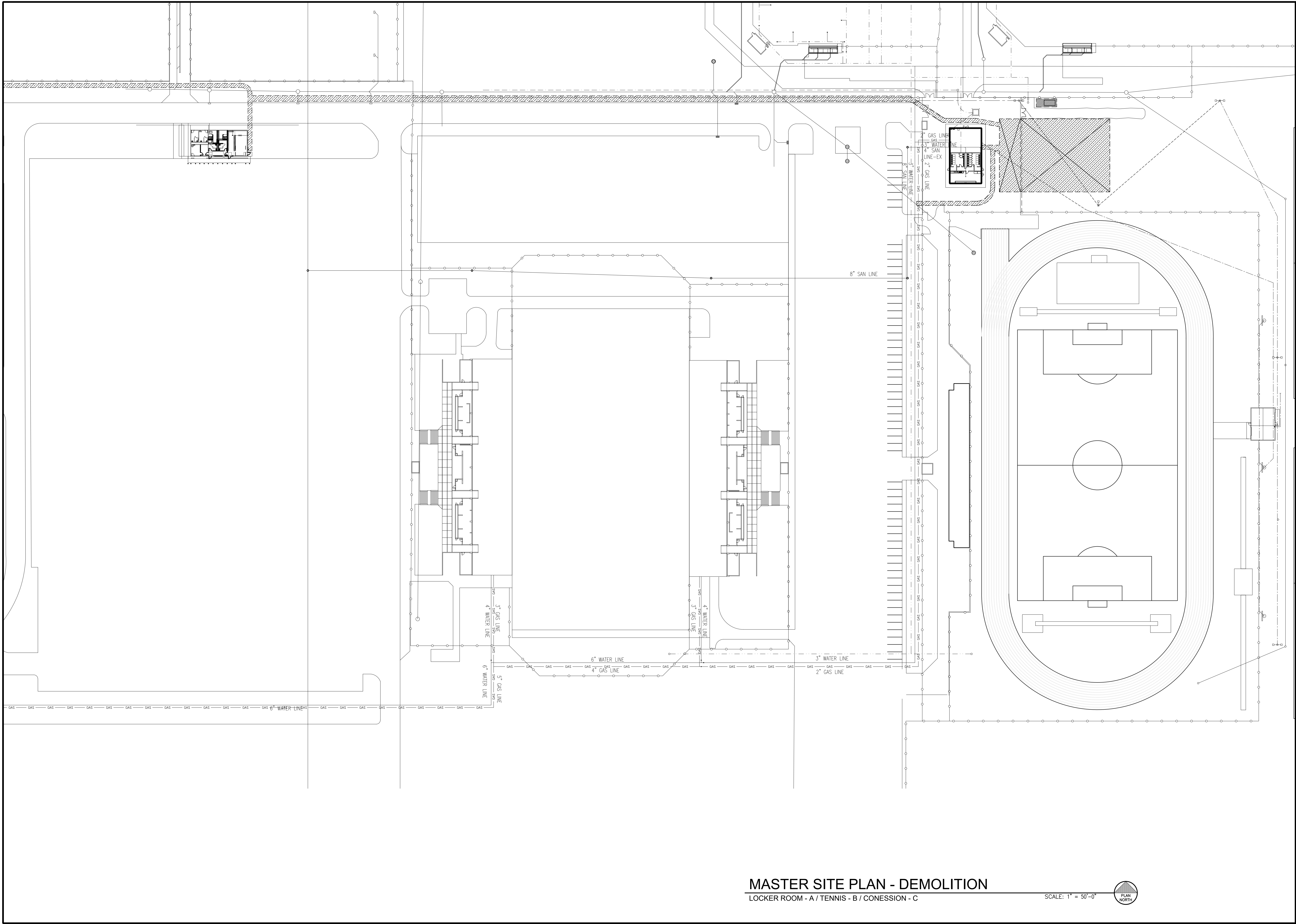
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SHEET  
**C 1.0.0**  
**-A,B,C**

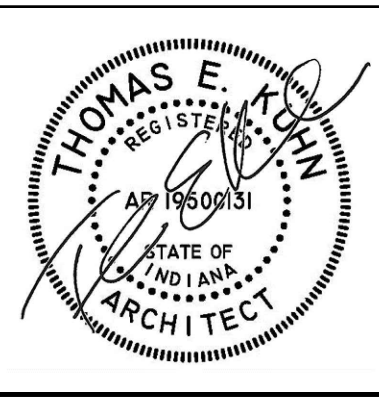
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MASTER SITE PLAN - DEMOLITION  
LOCKER ROOM - A / TENNIS - B / CONESSION - C

SCALE: 1" = 50'-0"



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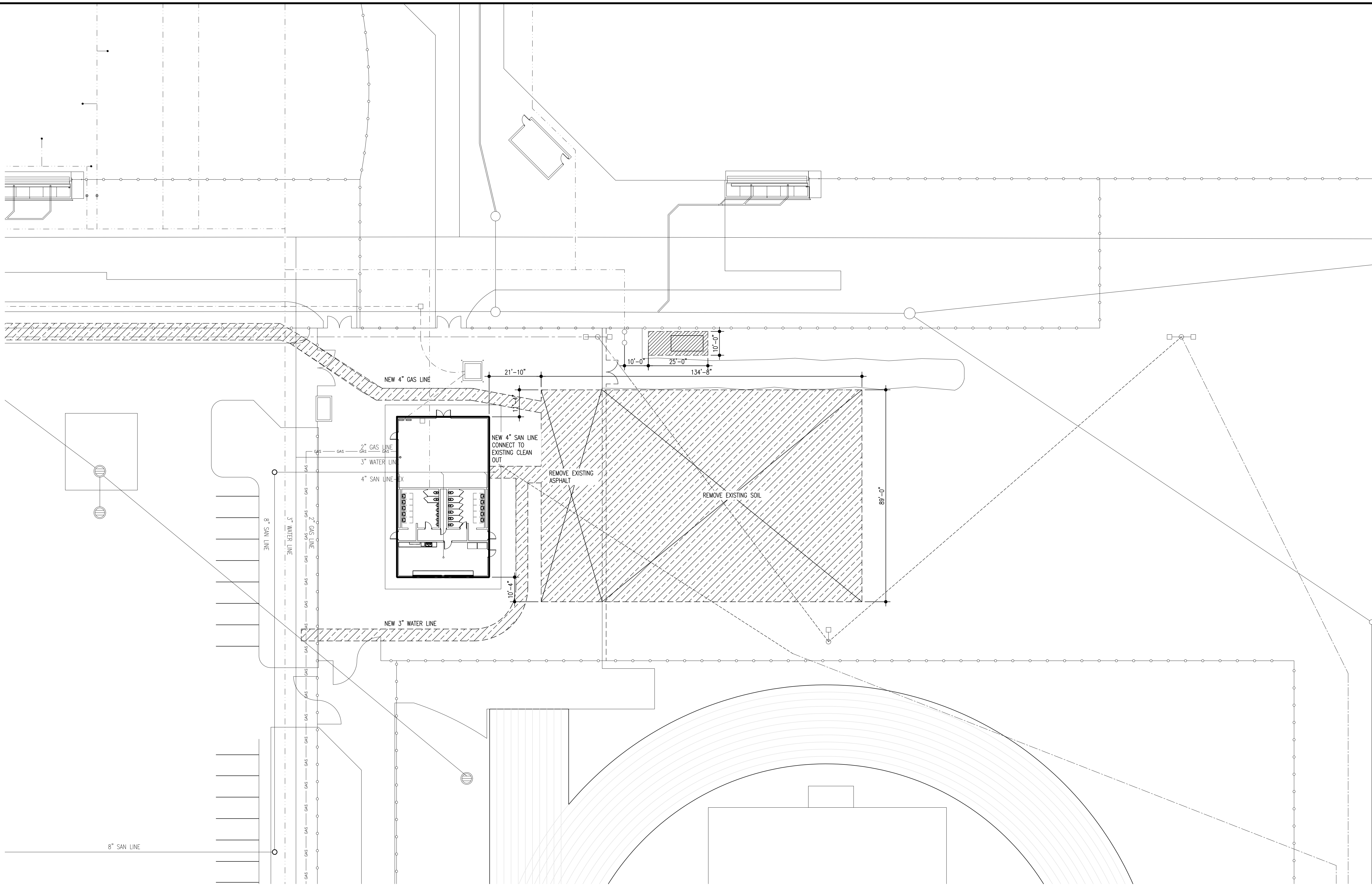
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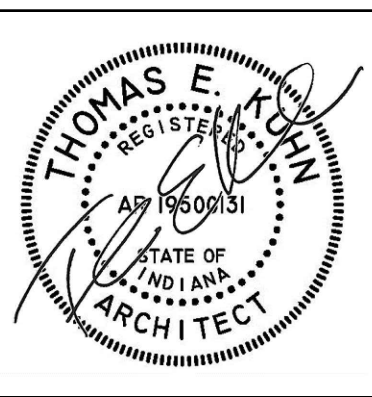
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**C 1.0.1**  
**-A,B,C**

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PARTIAL SITE PLAN - DEMOLITION  
LOCKER ROOM - A / COESSION BUILDING - C

SCALE: 1" = 20'-0"



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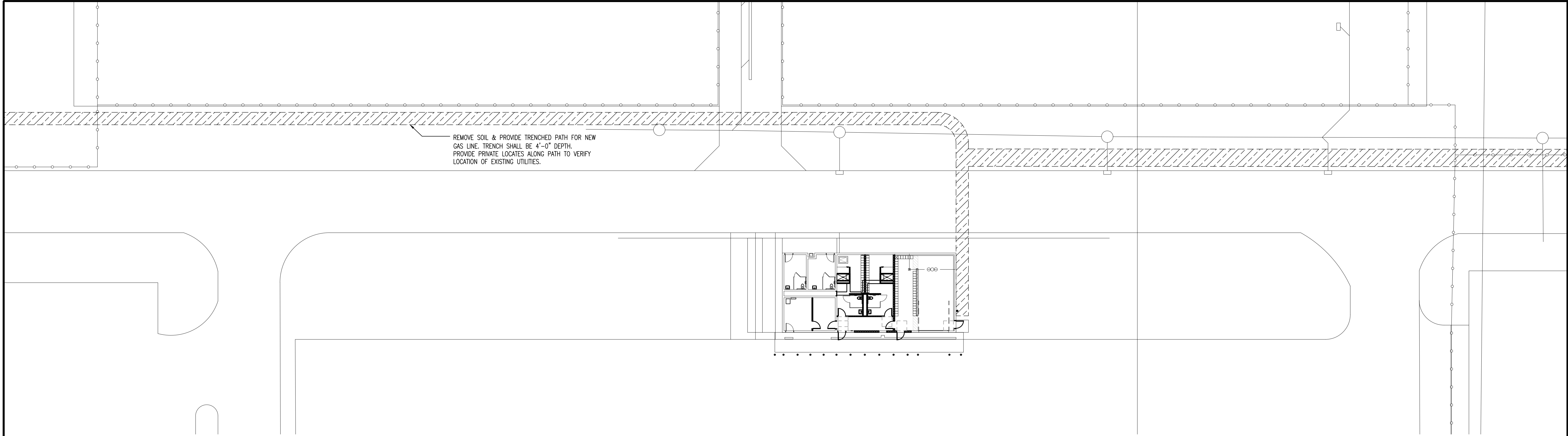
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SHEET  
C1.0.2  
- A,C

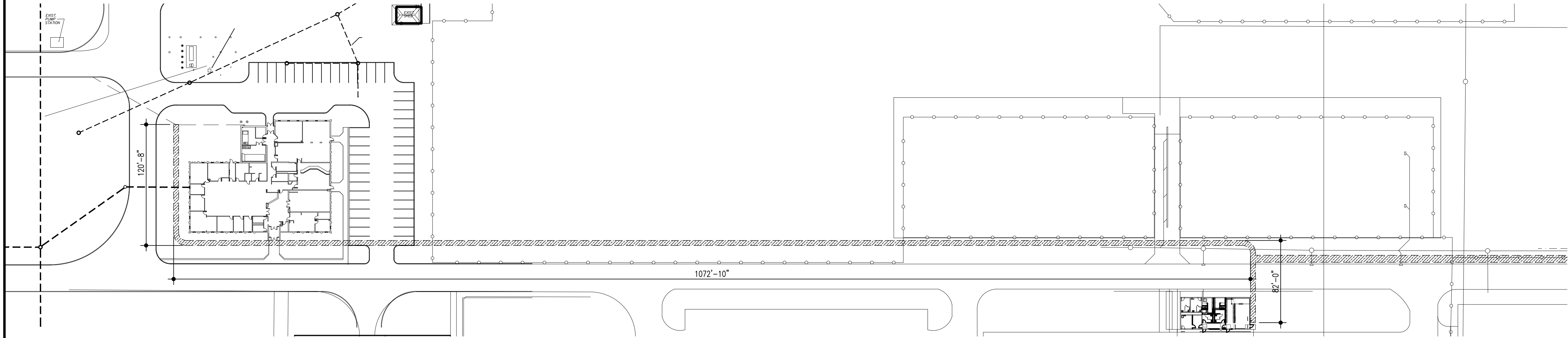
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PARTIAL SITE PLAN - DEMOLITION

TENNIS BUILDING - B

SCALE: 1" = 20'-0"



PARTIAL SITE PLAN - DEMOLITION

ADMIN TO TENNIS BUILDING - B

SCALE: 1" = 60'-0"



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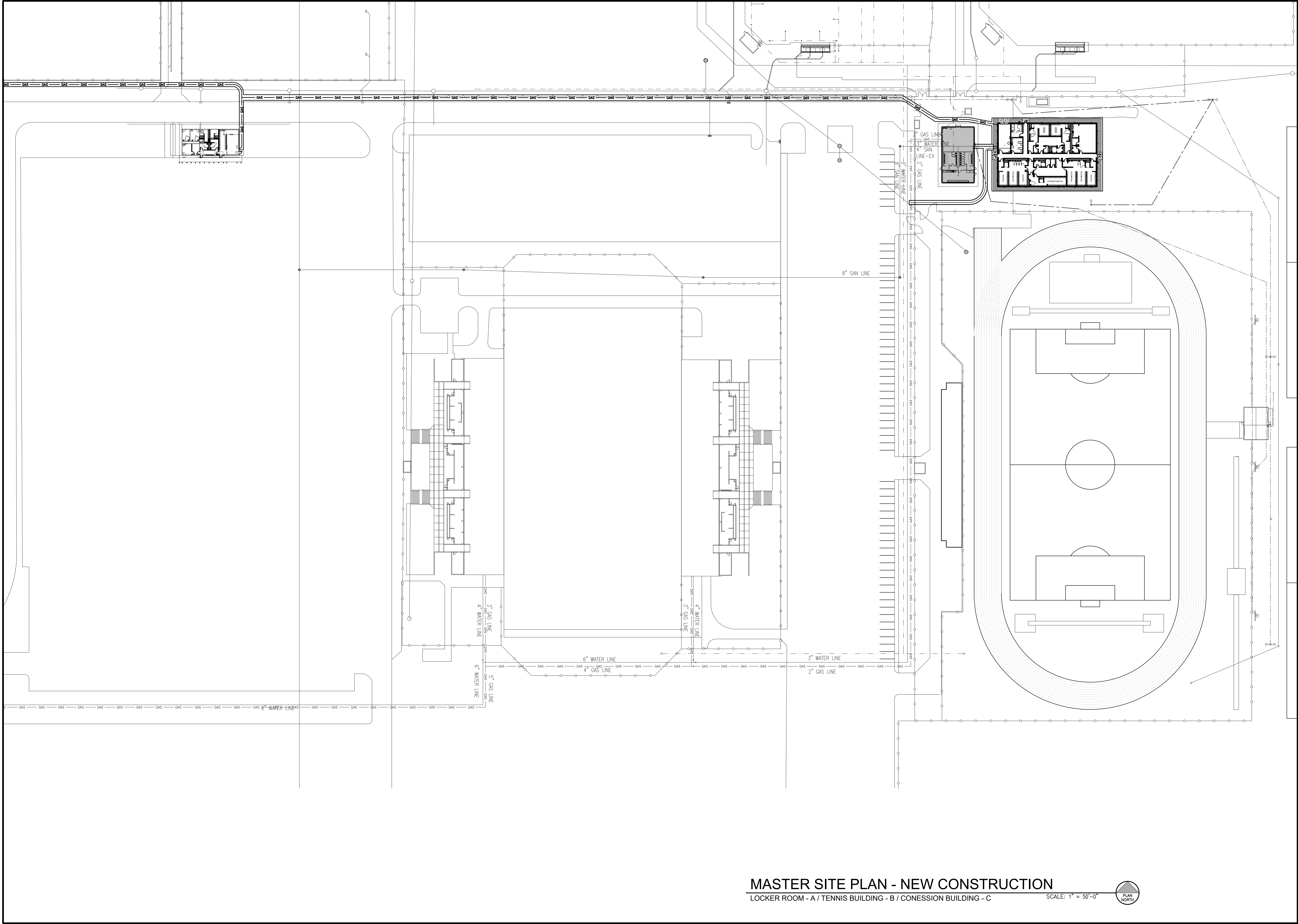
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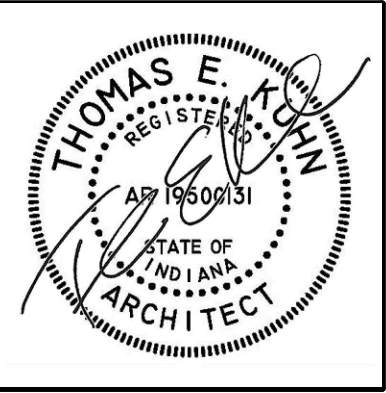
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C1.0.3  
- B

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MASTER SITE PLAN - NEW CONSTRUCTION  
LOCKER ROOM - A / TENNIS BUILDING - B / CONESSION BUILDING - C

SCALE: 1" = 50'-0"



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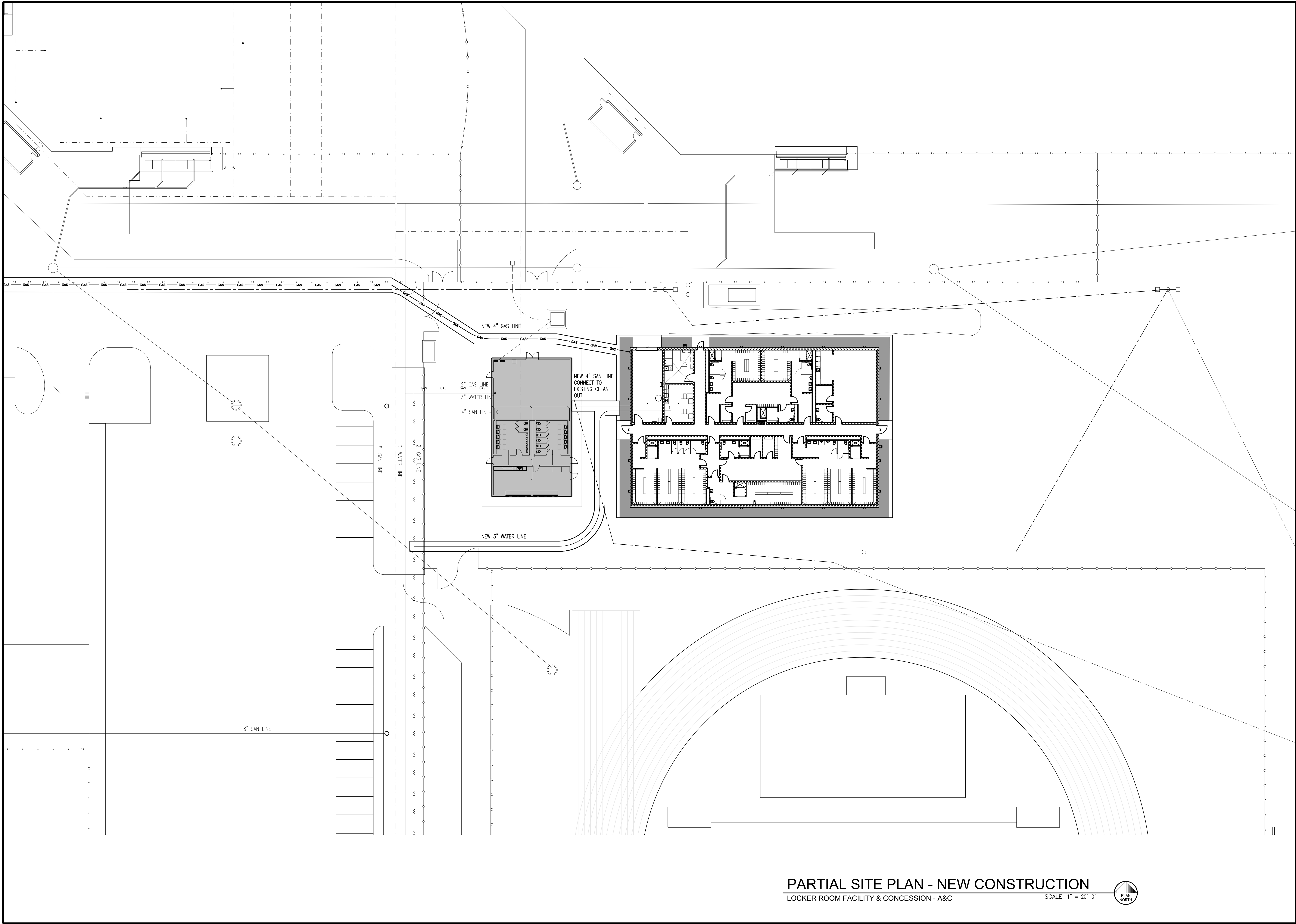
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SHEET  
**C 1.1.0**  
- A,B,C

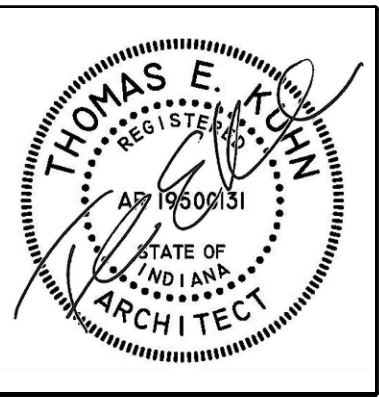
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PARTIAL SITE PLAN - NEW CONSTRUCTION  
LOCKER ROOM FACILITY & CONCESSION - A&C

SCALE: 1" = 20'-0"



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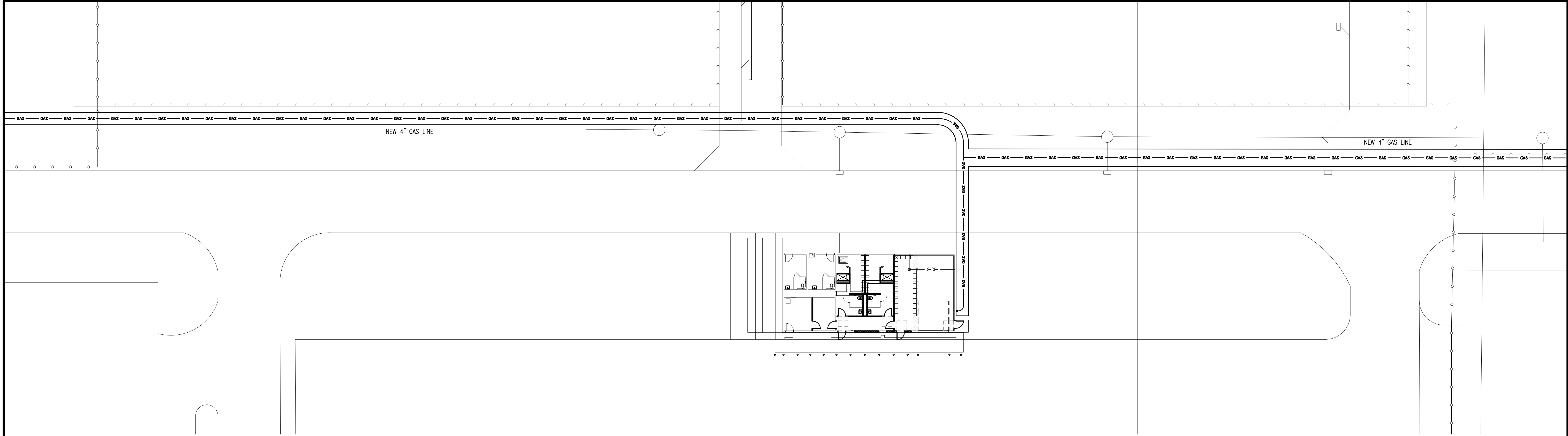
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**C 1.1.0**  
- A,C

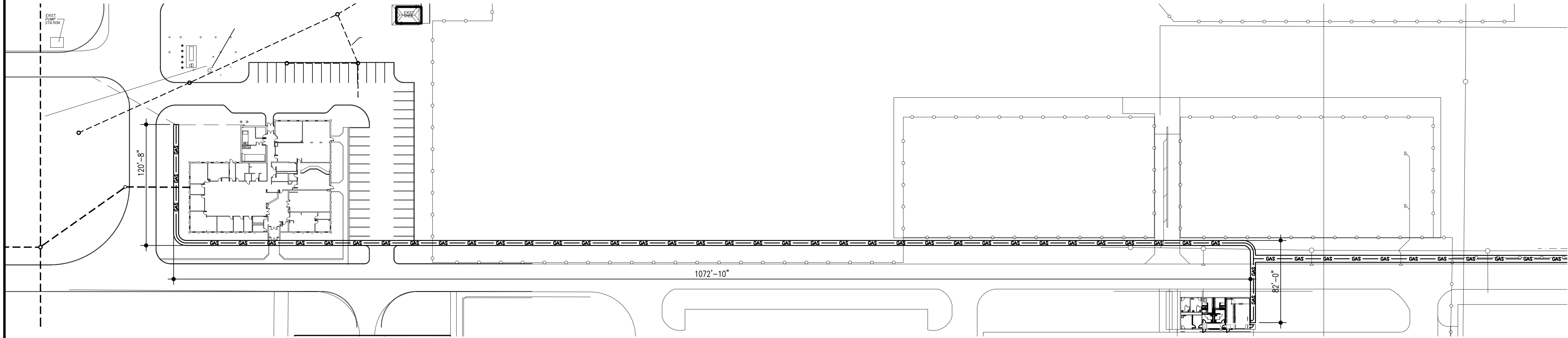
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PARTIAL SITE PLAN - NEW CONSTRUCTION

TENNIS BUILDING - B

SCALE: 1" = 20'-0"



PARTIAL SITE PLAN - NEW CONSTRUCTION

ADMIN TO TENNIS BUILDING - B

SCALE: 1" = 60'-0"



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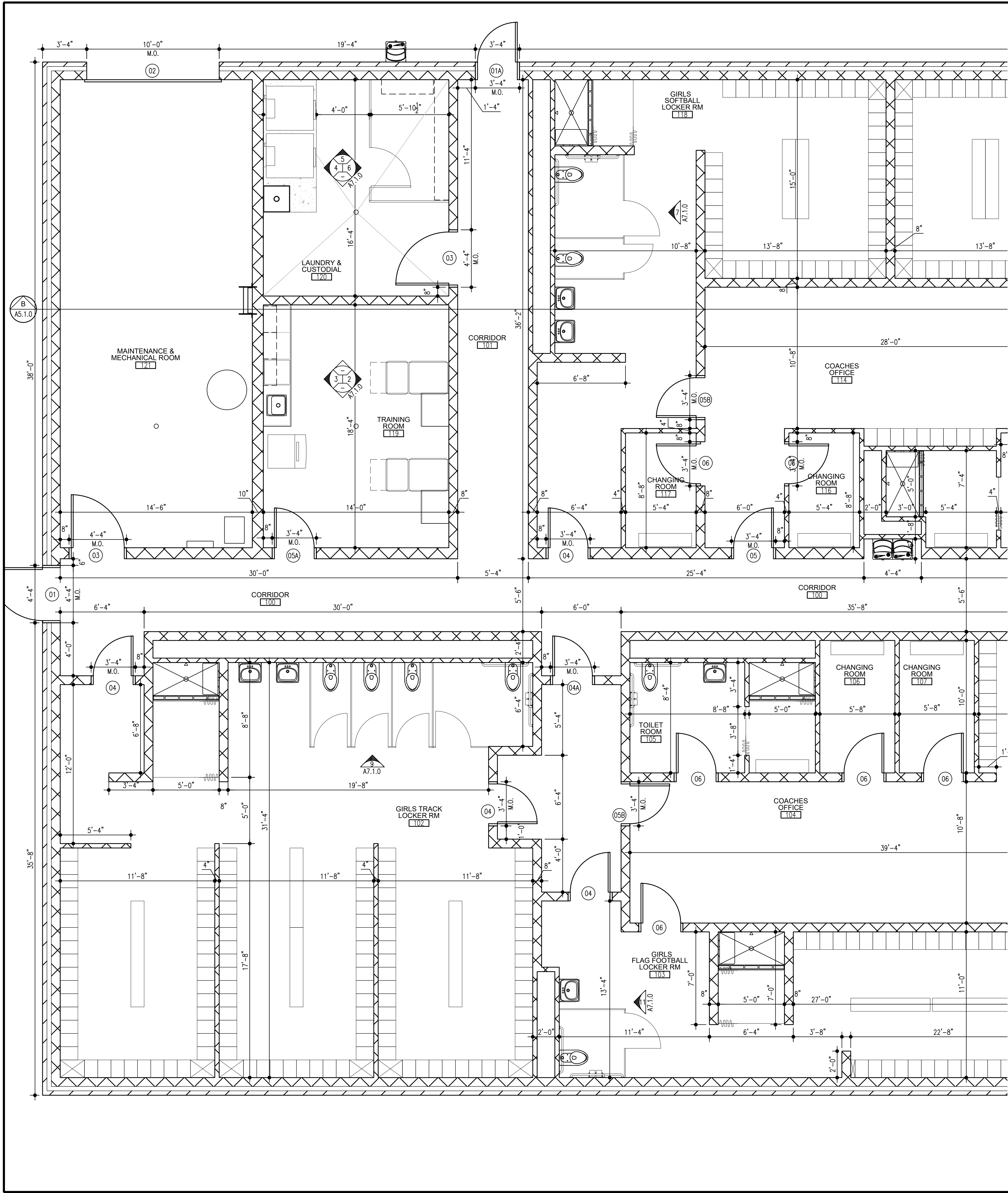
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**C1.1.2**  
- B



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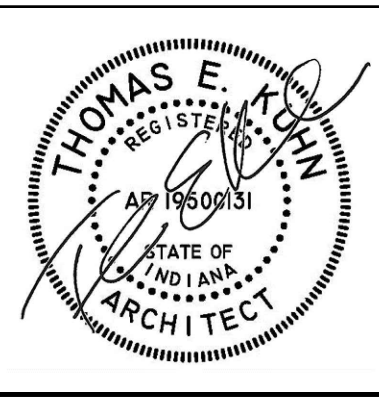
PARTIAL FLOOR PLAN  
AREA A

SCALE: 1/4" = 1'-0"



WALL LEGEND:

- W1 4" CMU w/ HORZ JOINT REINF @ 16" OC VERT
- W2 8" CMU w/ HORZ JOINT REINF @ 16" OC VERT
- W3 10" CMU w/ HORZ JOINT REINF @ 16" OC VERT, W/ #5 @24" O.C. GROUT SOLID
- W4 4" FACE BRICK w/ ADJUSTABLE TIES @ 16" OC EACH WAY, 1 3/4" AIR CAVITY, 3" RIGID EXTRUDED POLYSTYRENE (XPS) THERMAL AIR/WATER BARRIER WALL SYSTEM INSUL (R-16) ON 8" REINF CMU w/ EYE-WIRE JOINT REINF @ 16" OC VERT & #3 BARS VERT GROUT SOLID @ 48" OC, LAP BARS 48" AS REQUIRED
- W5



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SHEET  
A  
1.1.1

This architectural floor plan depicts a building layout with various rooms and corridors. The plan includes dimensions, room numbers, and structural details.

**Rooms and Dimensions:**

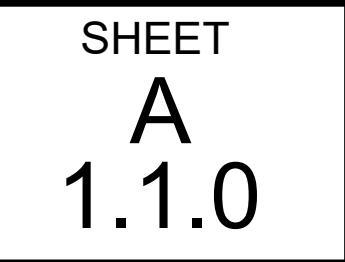
- COACHES OFFICE [114]:** 13'-8" x 13'-8"
- CHANGING ROOM [115]:** 6'-0" x 5'-4"
- TOILET ROOM [115]:** 7'-8" x 3'-4"
- BOYS BASEBALL LOCKER RM [113]:** 10'-0" x 5'-0"
- IT CLOSET [111]:** 8'-8" x 3'-4"
- KITCHENETTE [112]:** 12'-8" x 8'-0"
- CONFERENCE ROOM [109]:** 35'-4" x 20'-8"
- CHANGING ROOM [106]:** 5'-0" x 3'-4"
- CHANGING ROOM [107]:** 5'-8" x 3'-4"
- COACHES OFFICE [104]:** 39'-4" x 10'-8"
- BOYS TRACK LOCKER RM [108]:** 11'-8" x 11'-8"

**Corridors and Other Areas:**

- CORRIDOR [100]:** 35'-8" x 4'-4"
- CORRIDOR [100]:** 27'-8" x 4'-4"
- TOILET ROOM [110]:** 8'-8" x 3'-4"
- TOILET ROOM [109]:** 8'-8" x 3'-4"
- BOYS TRACK LOCKER RM [108]:** 11'-8" x 11'-8"

**Structural Details:**

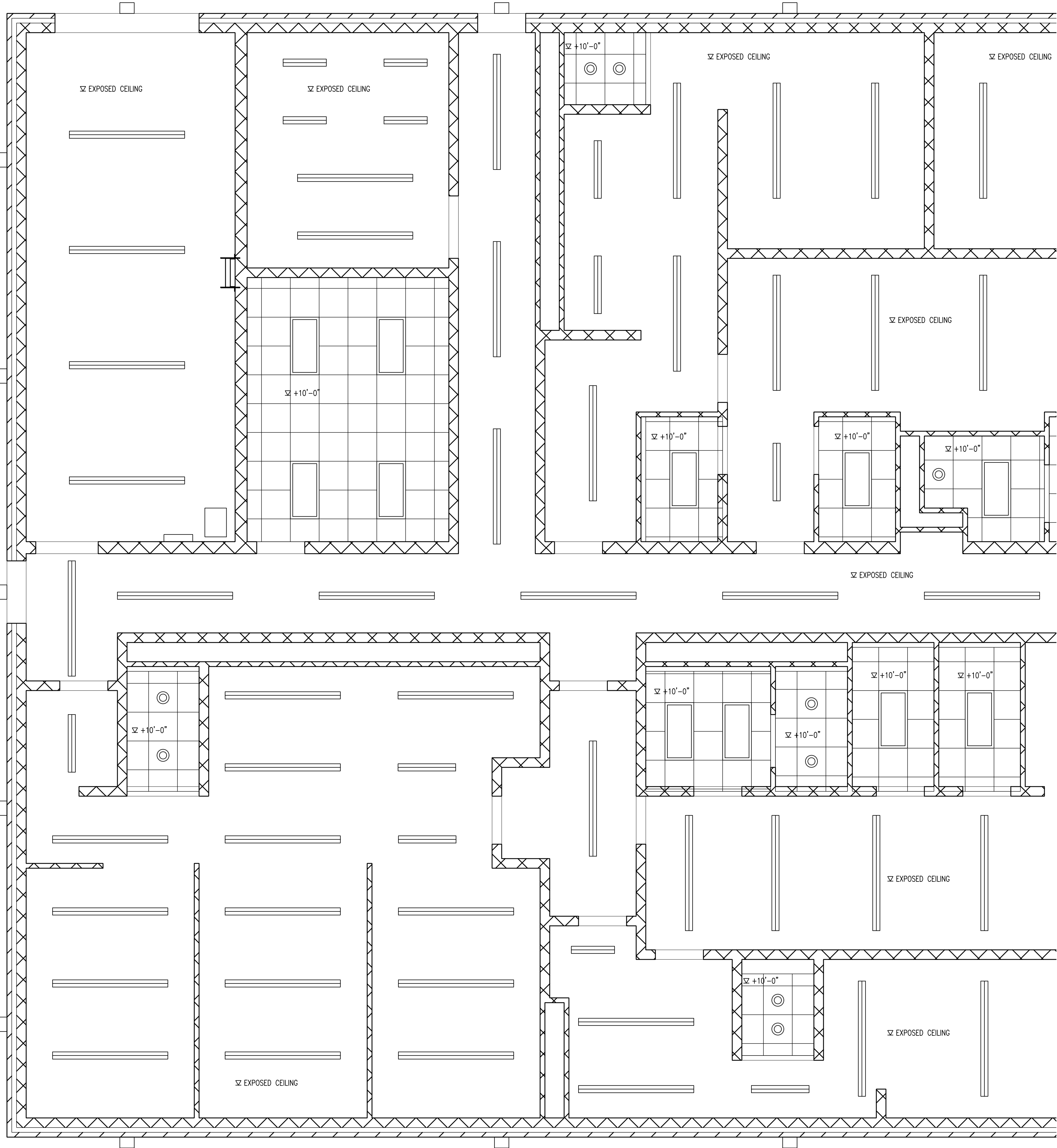
- Columns:** A5.1.0, A, B, A5.1.0
- Doors:** 01, 02, 03A, 04, 05, 06, 06A, 06B, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
- Windows:** 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
- Stairs:** 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100



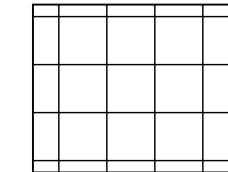
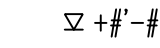
**PARTIAL FLOOR PLAN**  
AREA B SCALE: 1/4" = 1'-0" 



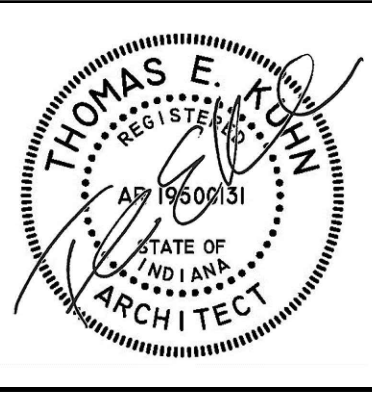
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- REFLECTED CEILING PLAN GENERAL NOTES:**
1. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO INSTALLATION.
  2. COORDINATE WORK WITH ALL OTHER DRAWINGS.
  3. CONTRACTOR SHALL REVIEW AND COORDINATE WITH ELECTRICAL LIGHTING PLANS, AND MECHANICAL DUCTWORK PLANS. ALL OMISSIONS AND/OR INCONSISTENCIES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY.

- REFLECTED CEILING PLAN LEGEND**
-  SUSPENDED ACOUSTICAL TILE CEILING; ARMSTRONG 2x2 SQUARE WATER RESISTANT TILES W/ ALUMINUM LAY-IN 1 5/8" GRID
  -   $\nabla$  + #'-#" CEILING HEIGHT
  -  LIGHT FIXTURE - REFER TO ELECTRICAL LIGHTING PLAN.
  -  SUPPLY REGISTER - REFER TO MECHANICAL PLAN.
  -  RETURN REGISTER - REFER TO MECHANICAL PLAN
  -  EXHAUST FAN GRILLE - REFER TO MECHANICAL PLAN

**PARTIAL FLOOR PLAN**  
AREA A  
SCALE: 1/4" = 1'-0"  

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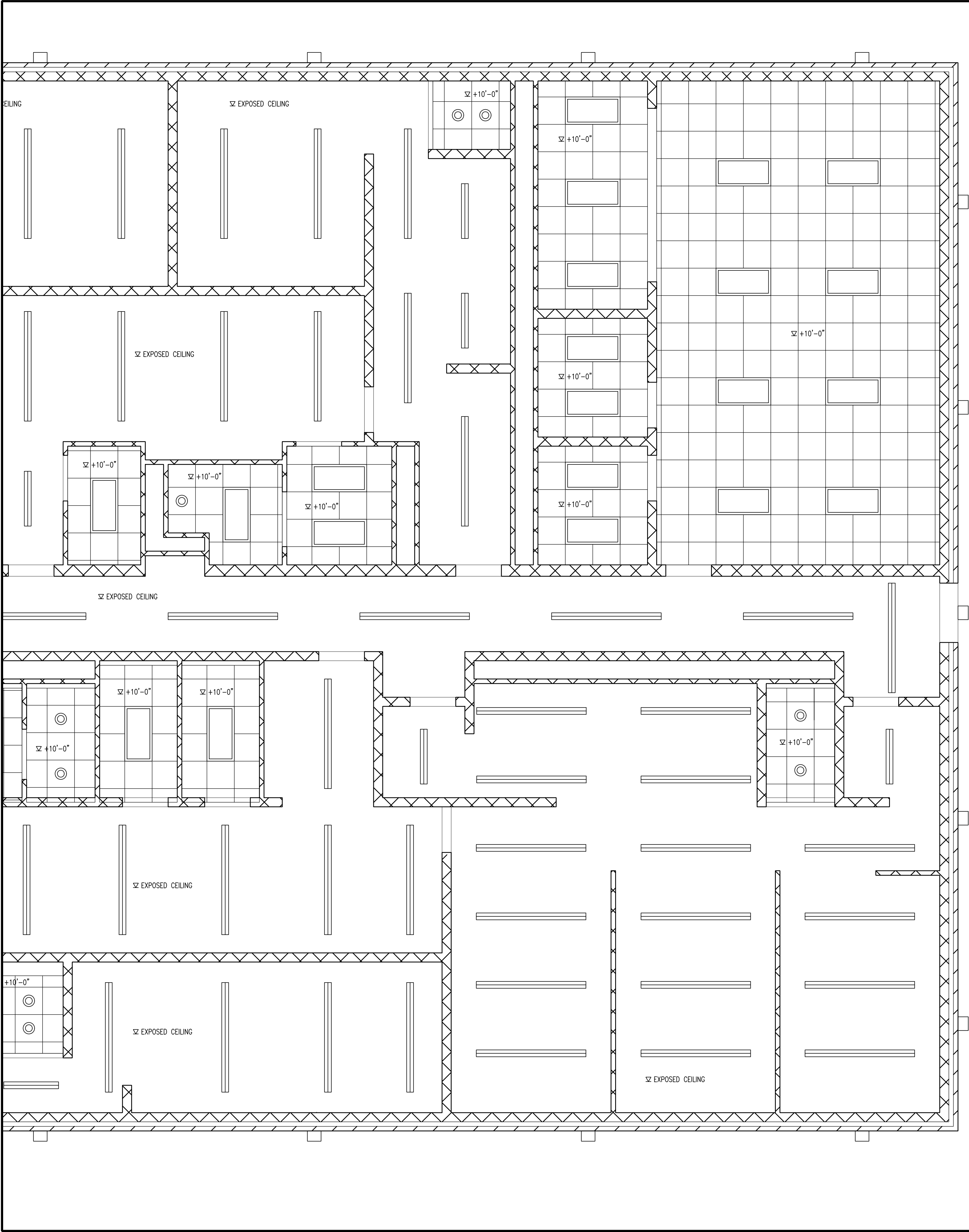
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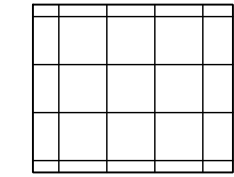
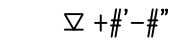
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2.1.1-A

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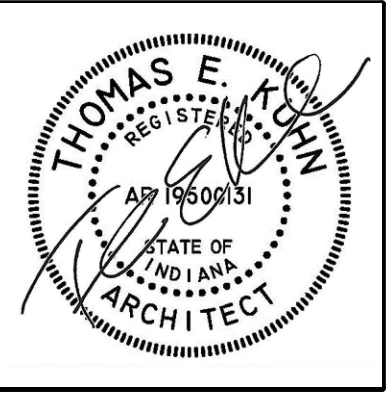


- REFLECTED CEILING PLAN GENERAL NOTES:**
1. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO INSTALLATION.
  2. COORDINATE WORK WITH ALL OTHER DRAWINGS.
  3. CONTRACTOR SHALL REVIEW AND COORDINATE WITH ELECTRICAL LIGHTING PLANS, AND MECHANICAL DUCTWORK PLANS. ALL OMISSIONS AND/OR INCONSISTENCIES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY.

- REFLECTED CEILING PLAN LEGEND**
-  SUSPENDED ACOUSTICAL TILE CEILING; ARMSTRONG 2x2 SQUARE WATER RESISTANT TILES W/ ALUMINUM LAY-IN 1 5/8" GRID
  -   $\nabla$  +#'-#" CEILING HEIGHT
  -  LIGHT FIXTURE - REFER TO ELECTRICAL LIGHTING PLAN.
  -  SUPPLY REGISTER - REFER TO MECHANICAL PLAN.
  -  RETURN REGISTER - REFER TO MECHANICAL PLAN
  -  EXHAUST FAN GRILLE - REFER TO MECHANICAL PLAN

**PARTIAL FLOOR PLAN**  
AREA B

SCALE: 1/4" = 1'-0"



DATE  
10-02-2026

NEW LOCKER ROOM FACILITY & RENOVATIONS TO  
THE EXISTING CONCESSION & TENNIS FACILITY AT  
MERRILLVILLE HIGH SCHOOL  
276 E. 68TH PLACE  
MERRILLVILLE, IN 46410

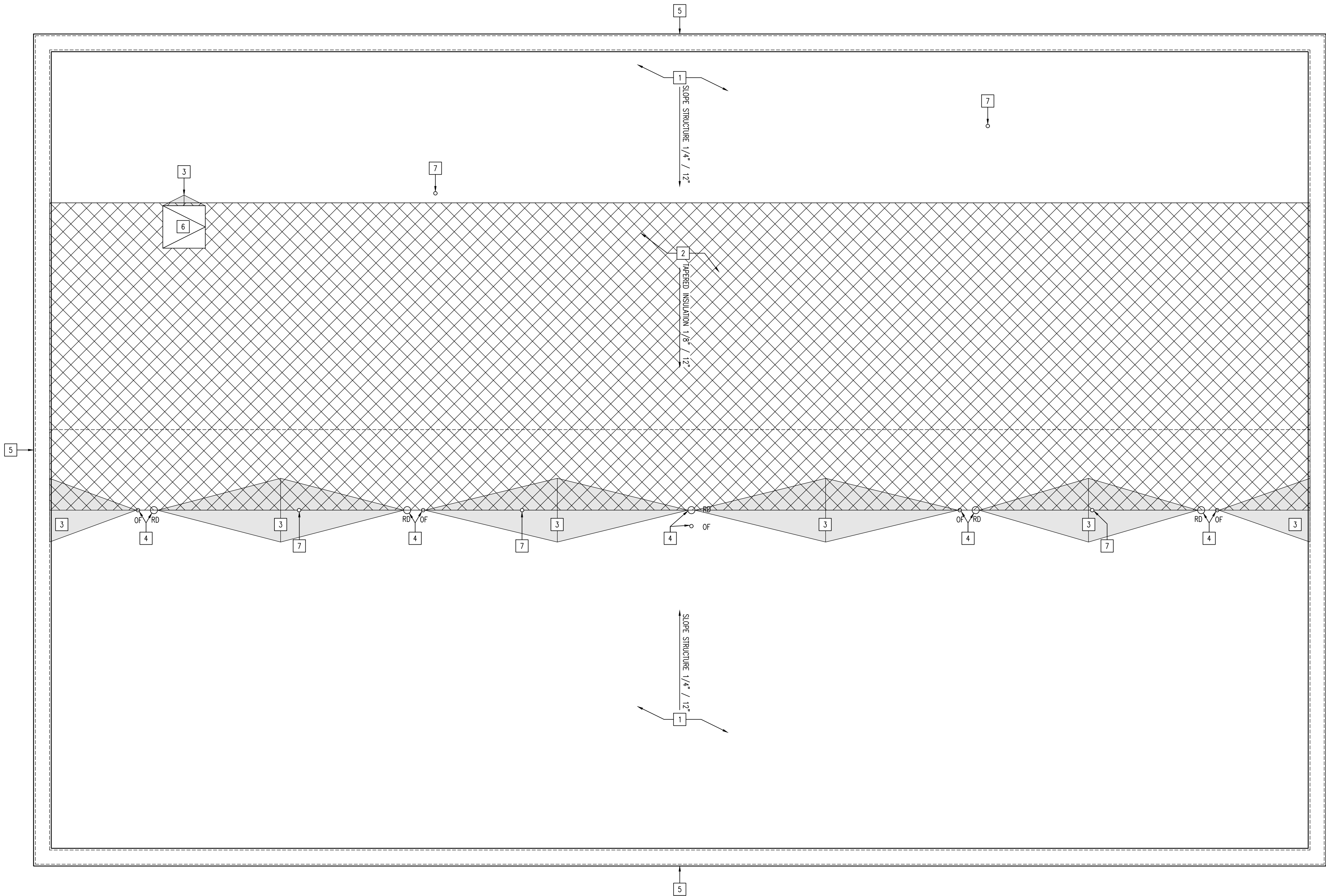
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- NEW CONSTRUCTION NOTES**
- 1 NEW FULLY ADHERED 30 YEAR WARRANTY TEXTURED GARY PVC ROOF WITH (2) LAYERS OF 2" THICK (R-23.2) POLYISOCYANURATE RIGID INSULATION ON 6 MIL. VISQUEEN VAPOR BARRIER ON HOLLOW CORE PLANK DECKING.
  - 2 INSTALL TAPERED INSULATION WITH A SLOPE OF 1/8" / 12" TO ROOF DRAINS.
  - 3 PROVIDE ROOF SADDLE.
  - 4 INSTALL CAST IRON ROOF DRAINS (RD) & INSTALL CAST IRON OVERFLOW DRAIN (OF).
  - 5 NEW COMPOSITE METAL PANEL PARAPET CAP.
  - 6 NEW BILCO 48"x48" THERMAL BROKEN ROOF HATCH. F-50TB
  - 7 PLUMBING VENT W/ FLASHING THROUGH ROOF.
  - 8 NEW MECHANICAL EXHAUST VENT PIPE W/FLASHING THROUGH ROOF.
  - 9 NEW MECHANICAL ROOF TOP UNIT - REFER TO MECHANICAL.

ROOF PLAN

SCALE: 3/16" = 1'-0"



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10-02-2026

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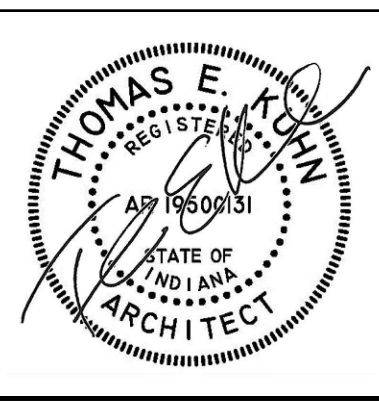
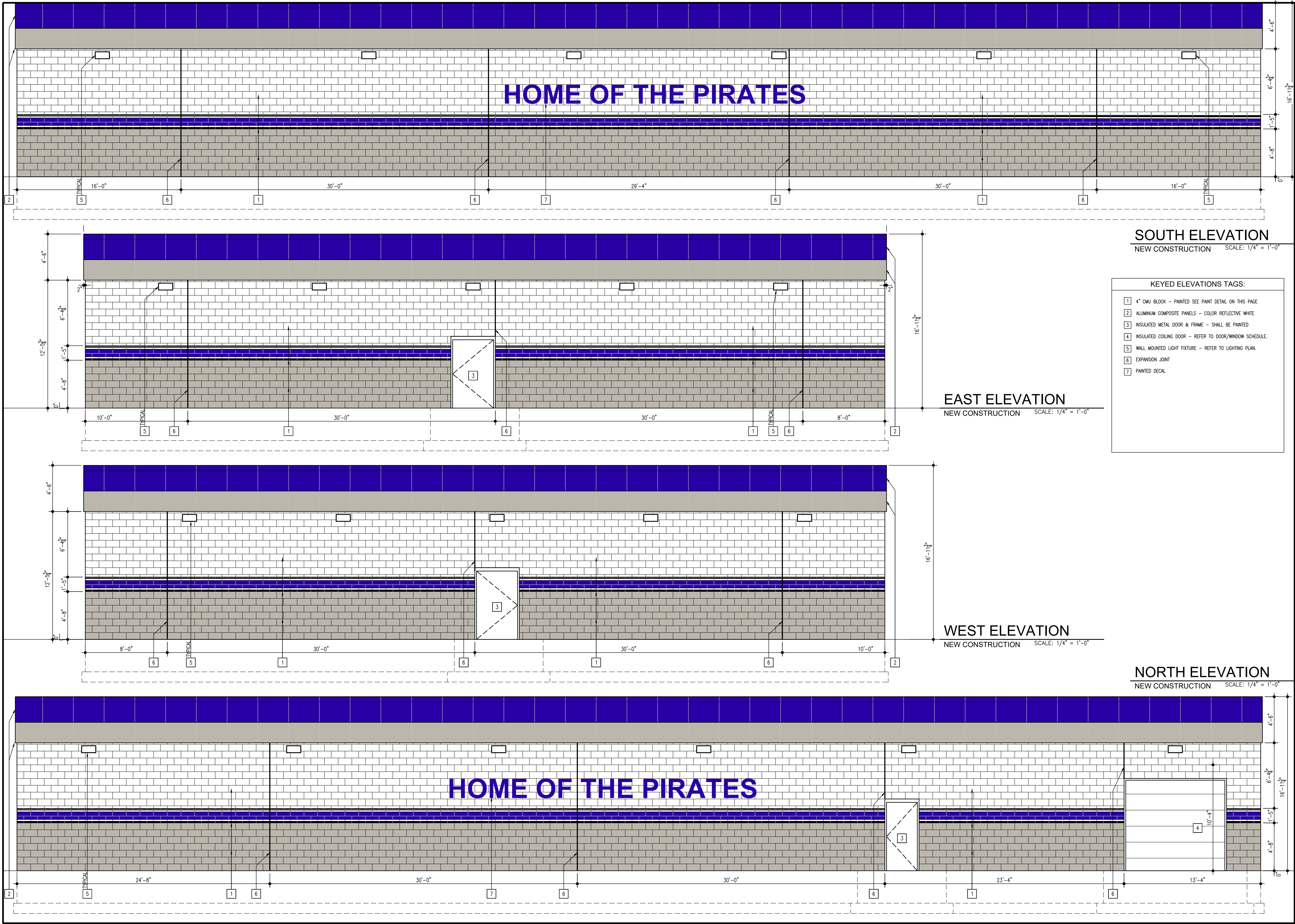
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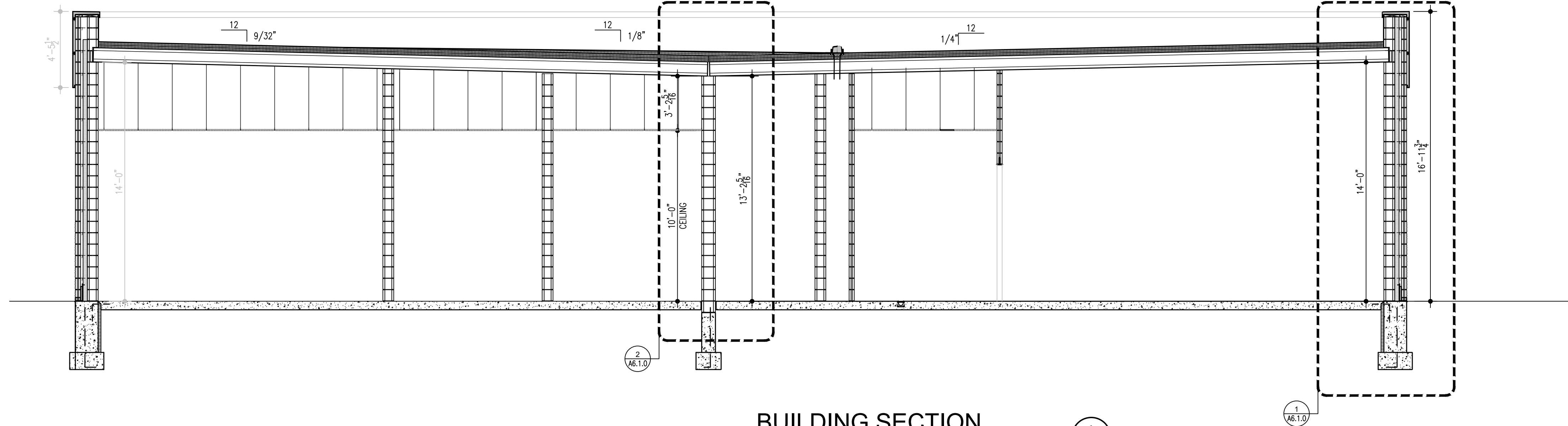
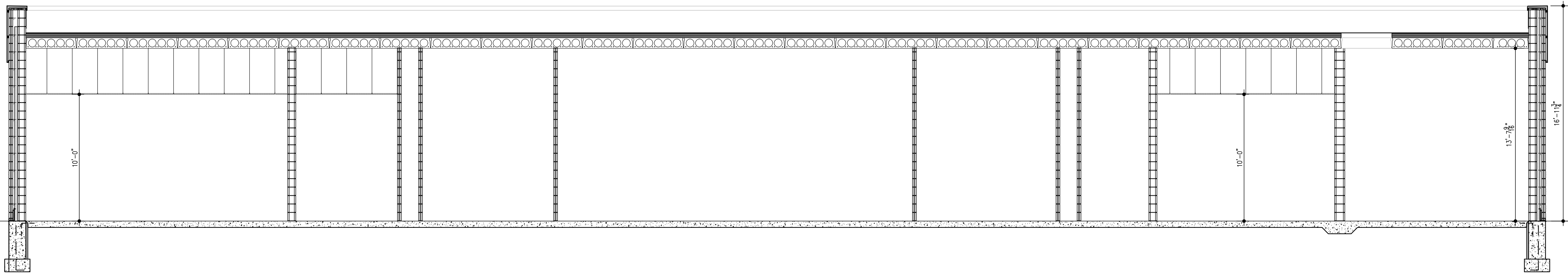
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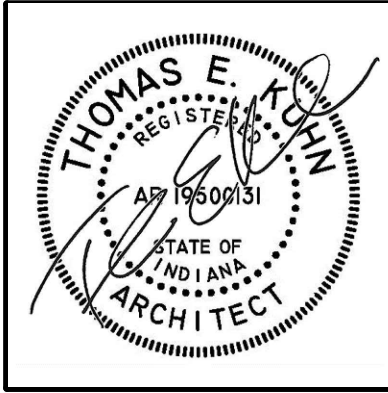
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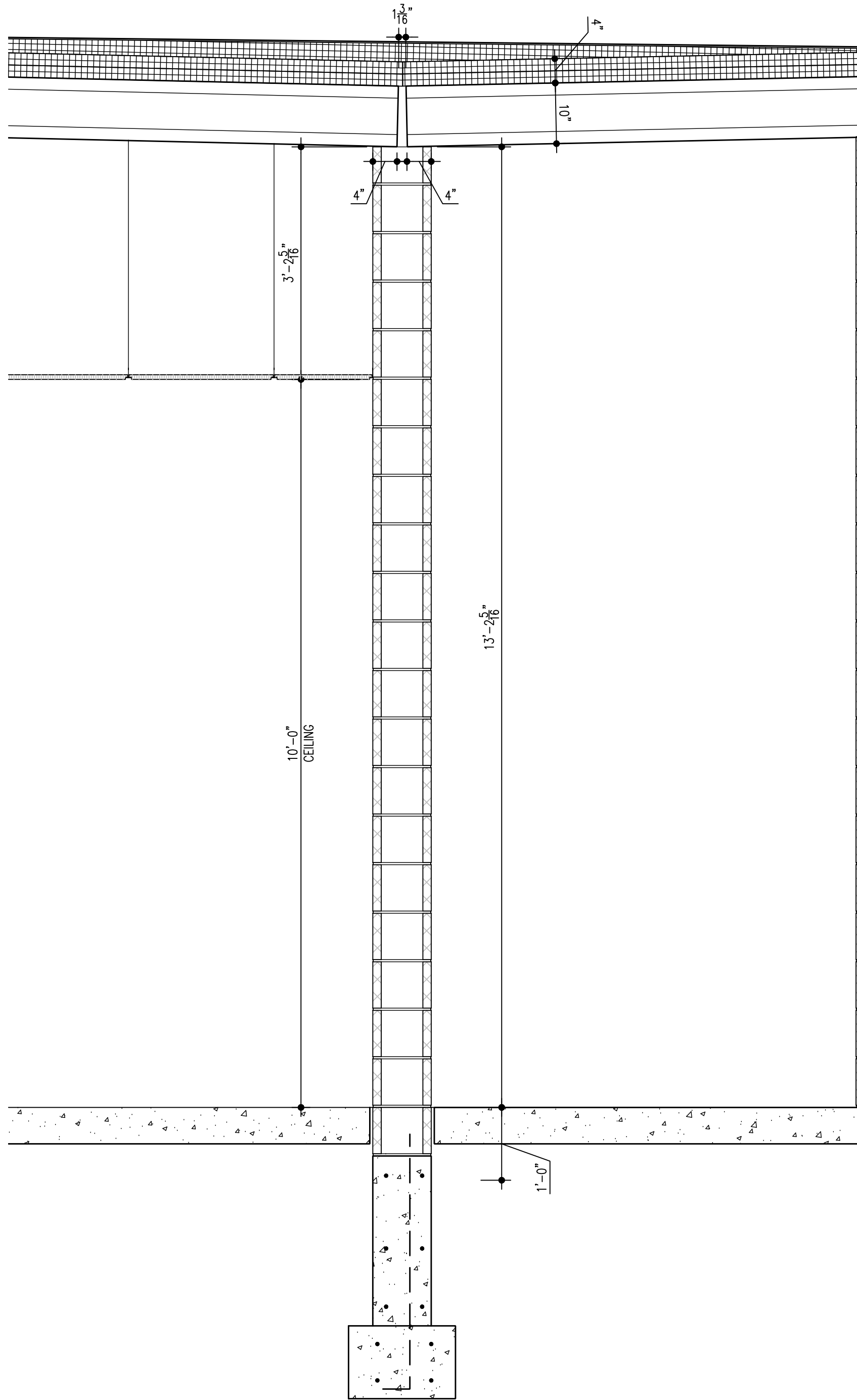
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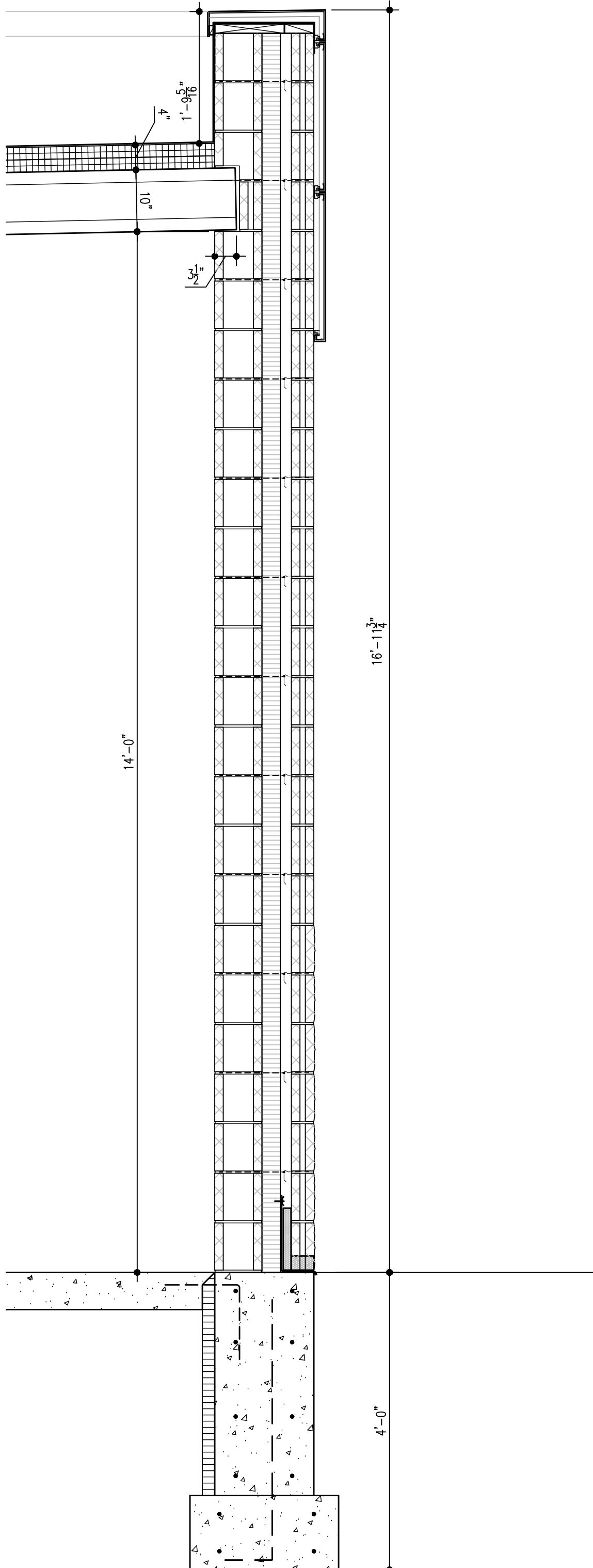
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WALL SECTION

SCALE: 3/4" = 1'-0"

2  
6.1.0



WALL SECTION

SCALE: 3/4" = 1'-0"

1  
6.1.0



DATE  
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NEW LOCKER ROOM FACILITY & RENOVATIONS TO  
THE EXISTING CONCESSION & TENNIS FACILITY AT  
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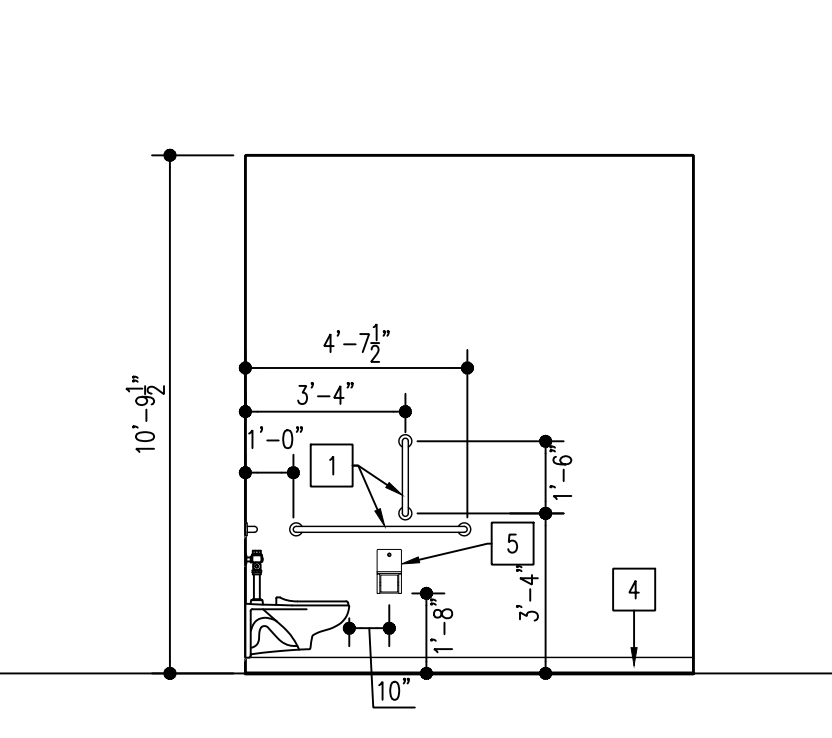
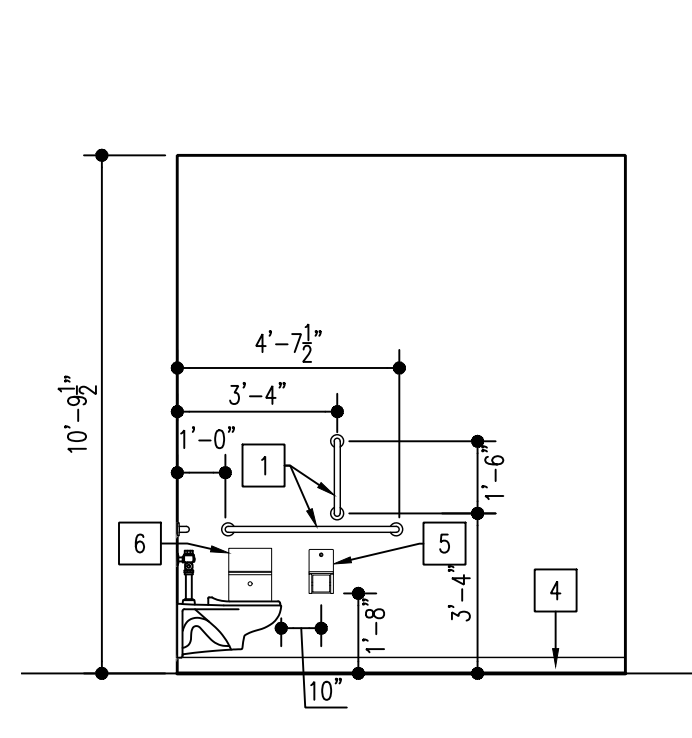
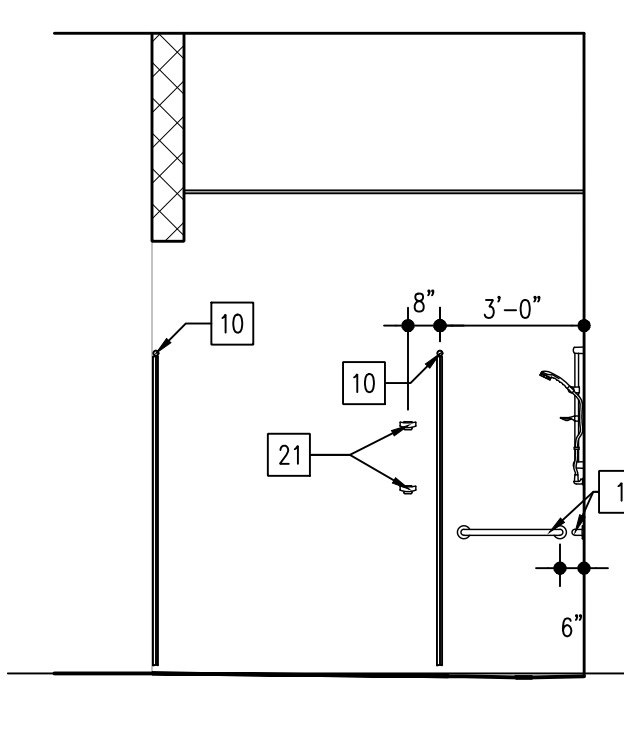
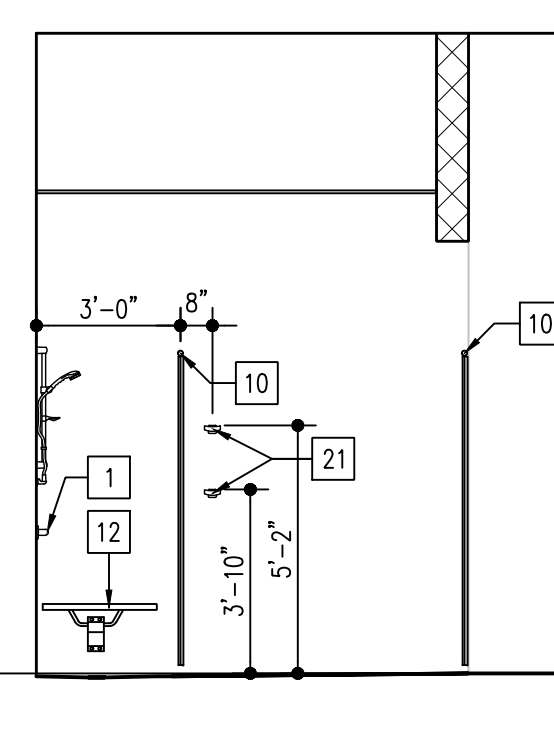
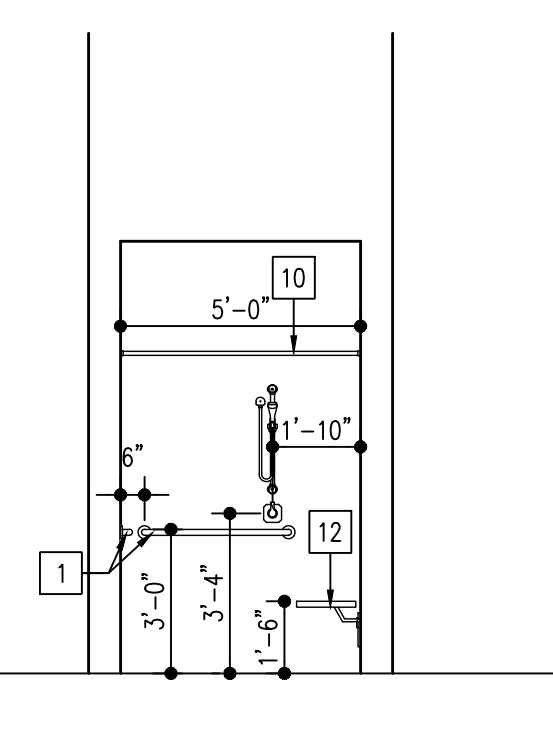
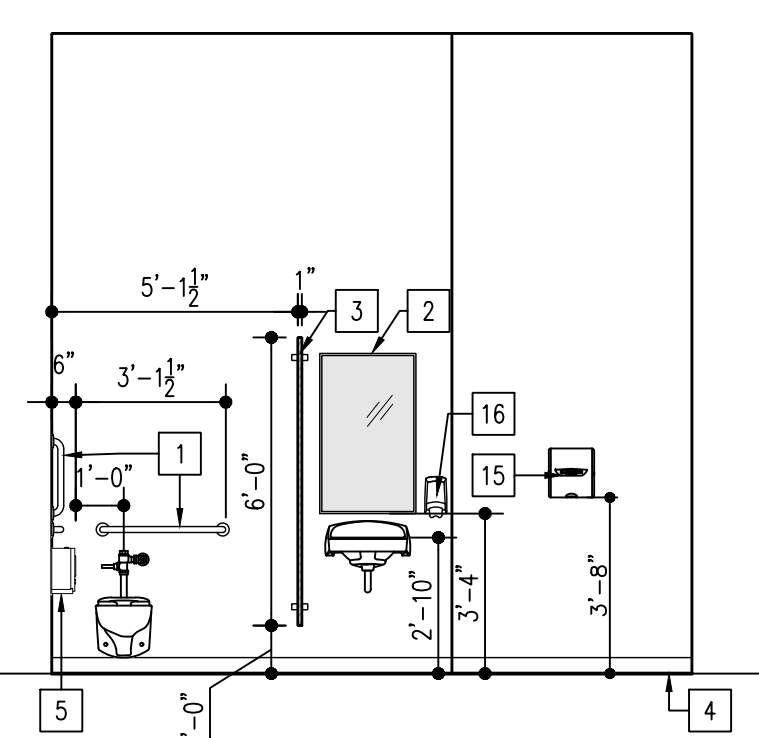
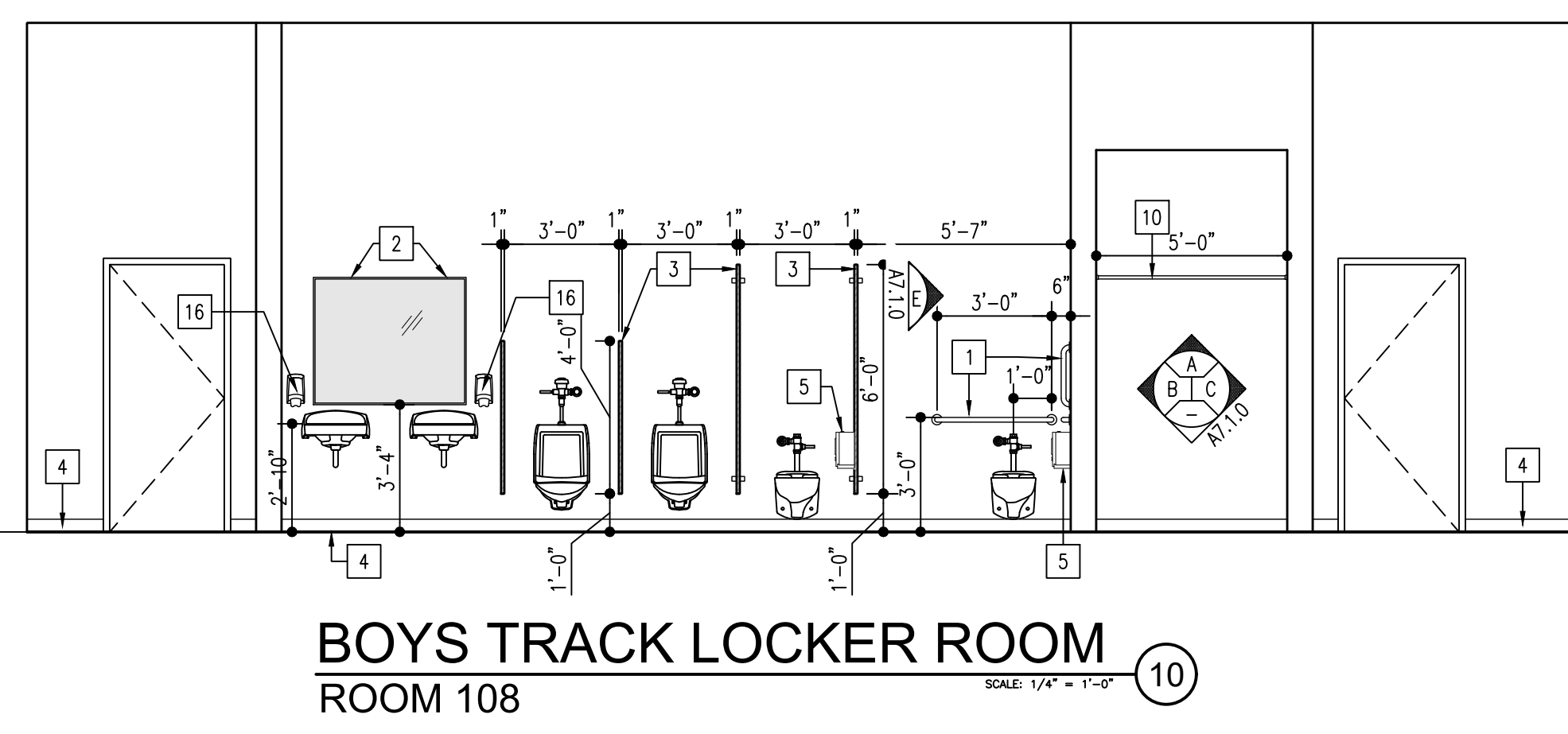
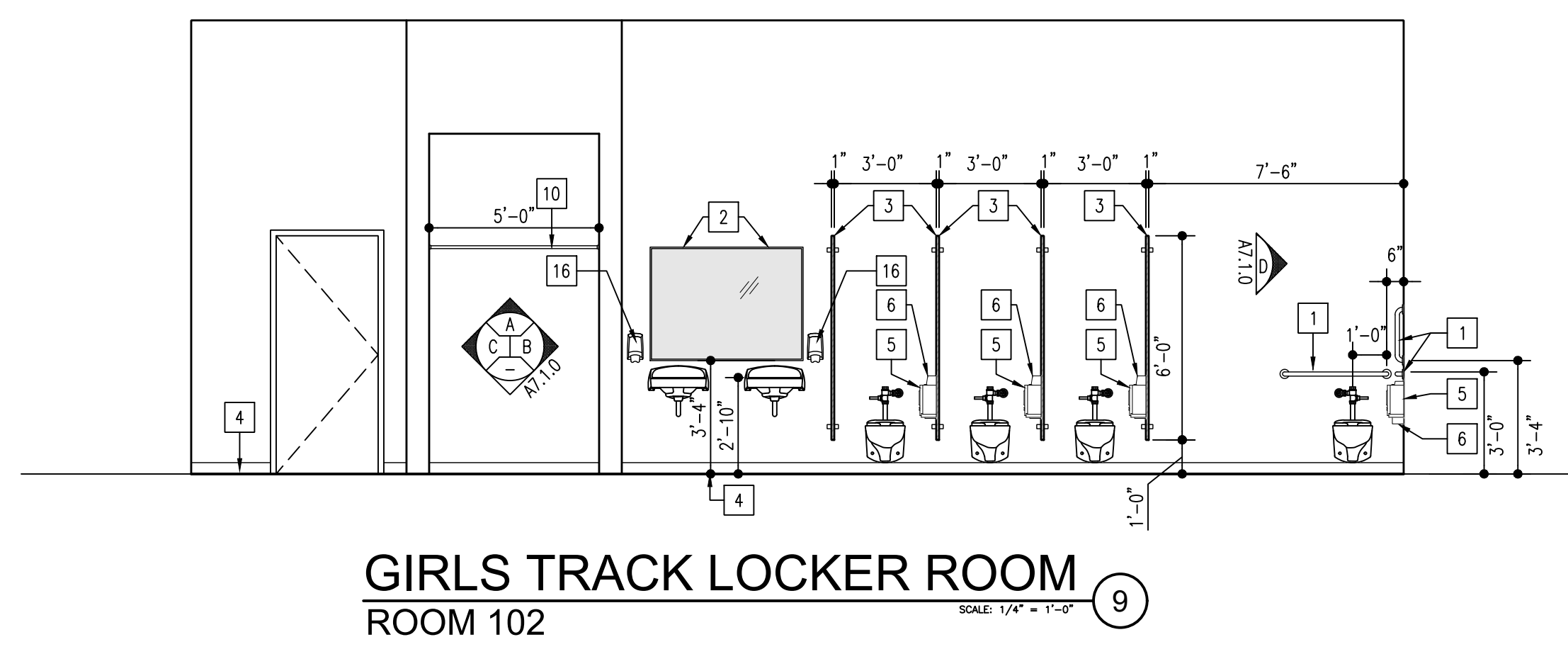
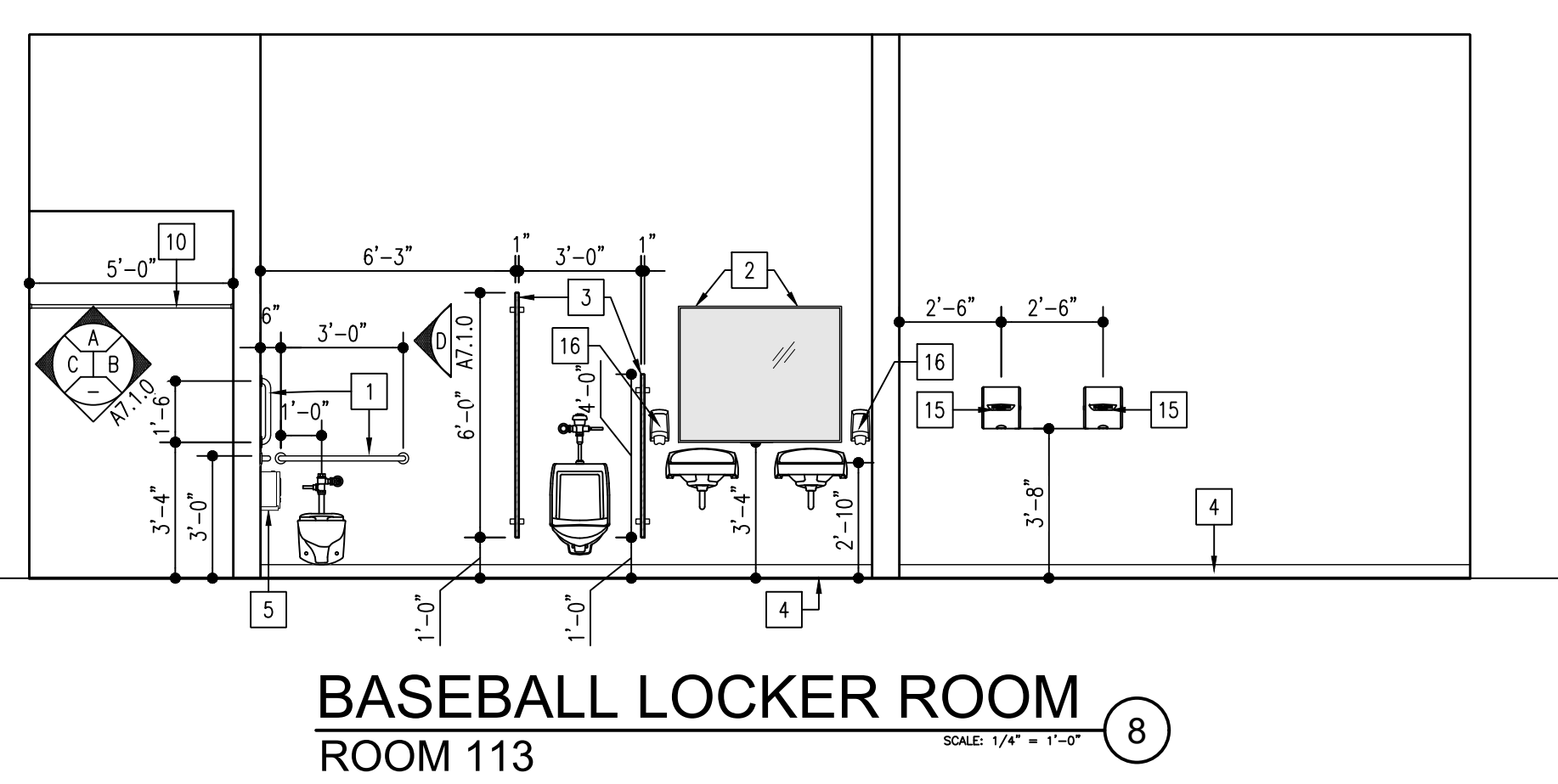
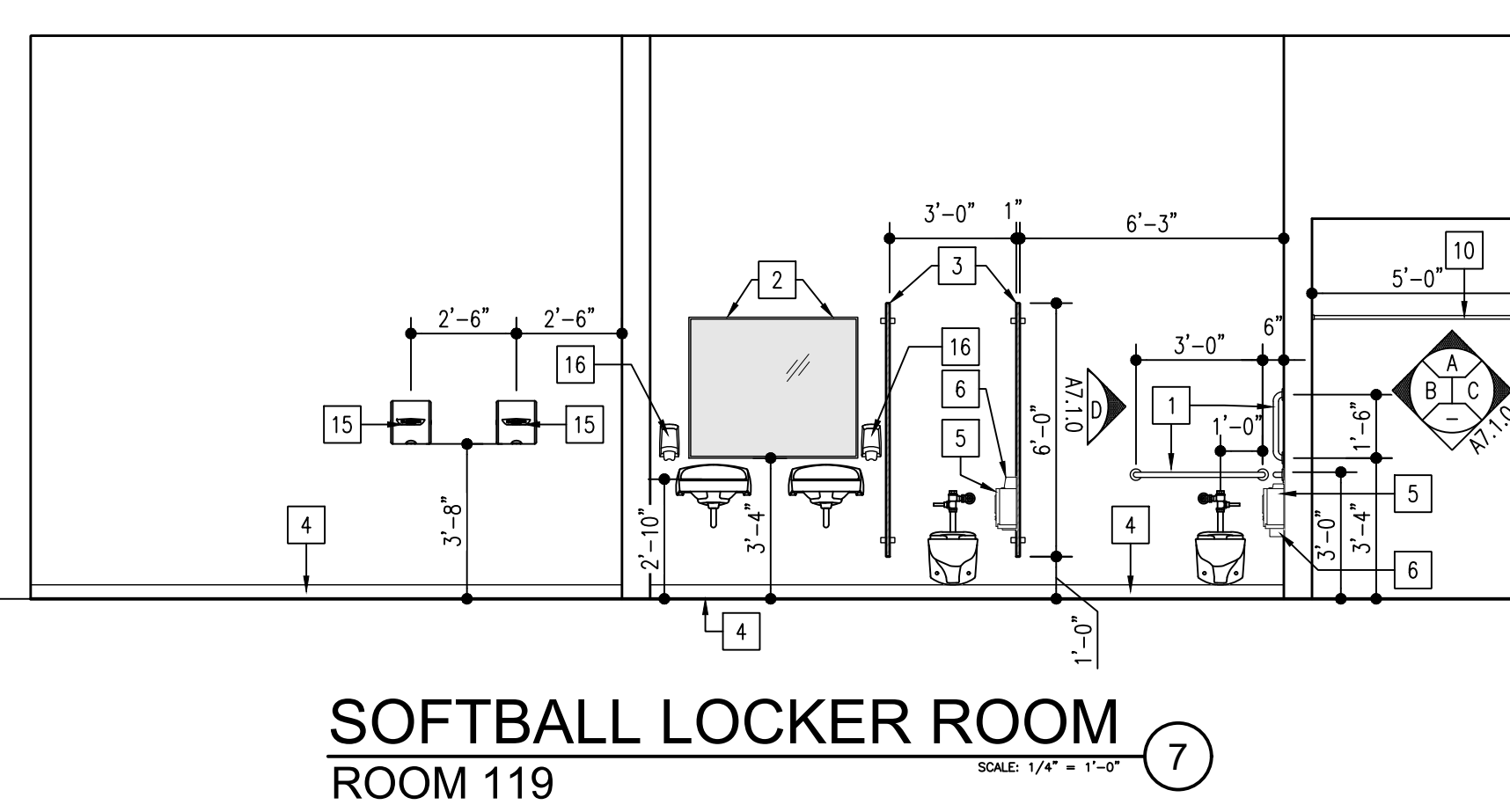
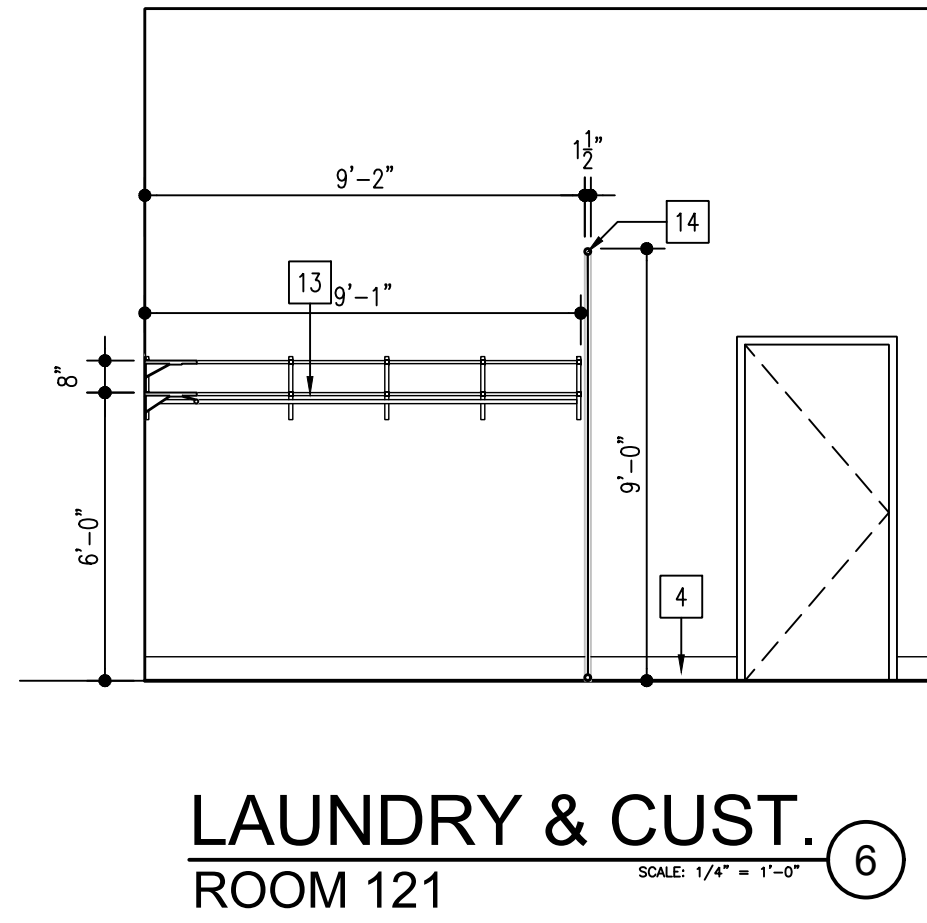
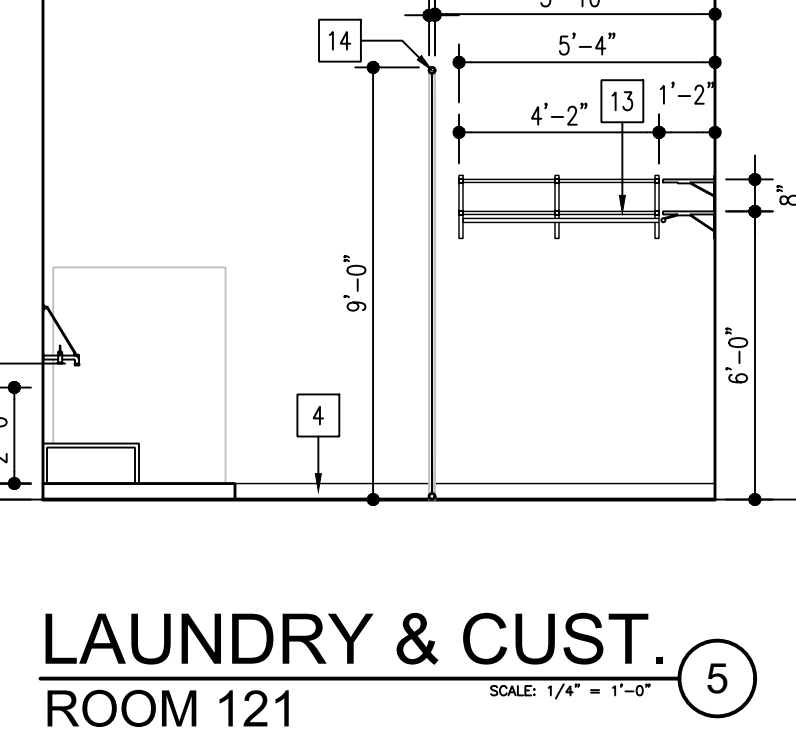
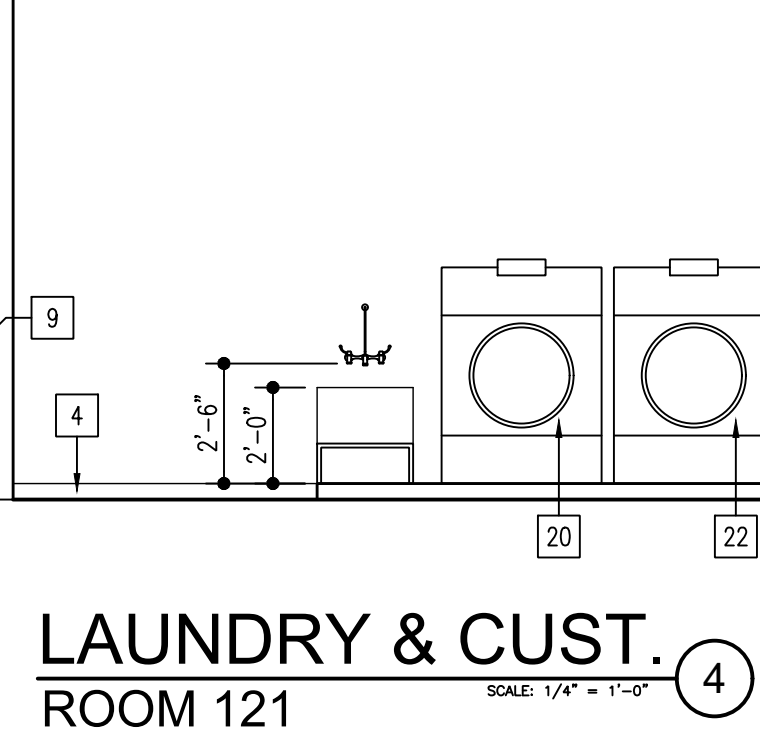
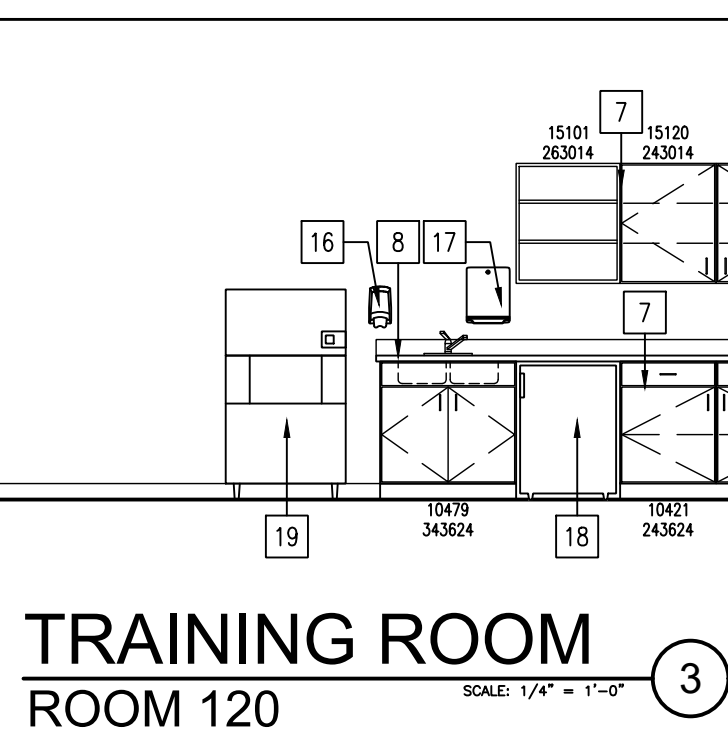
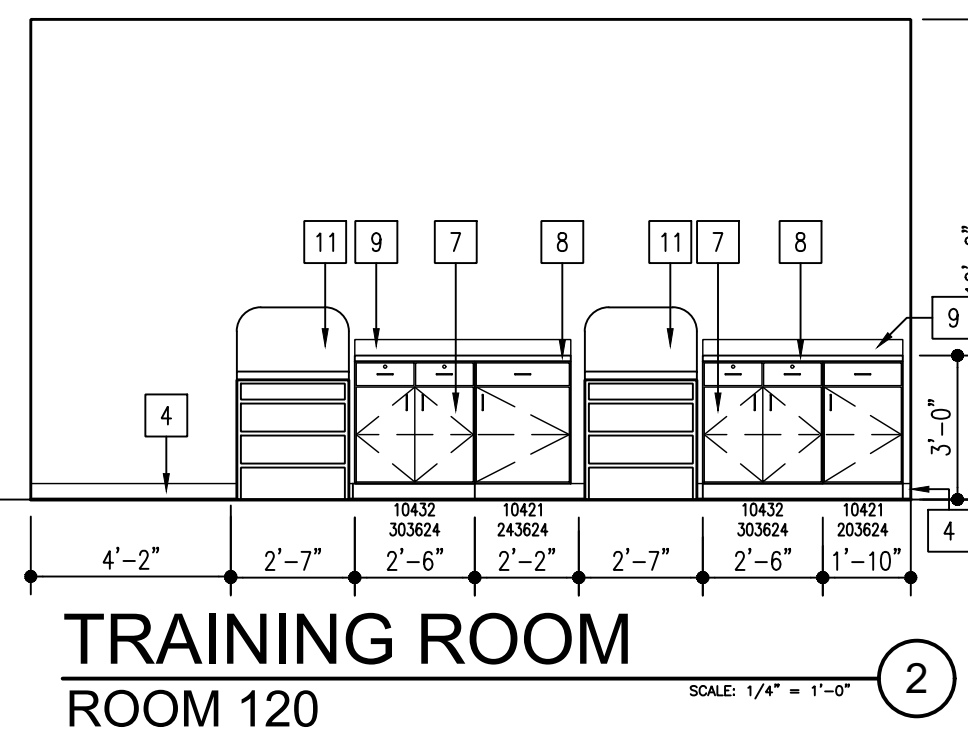
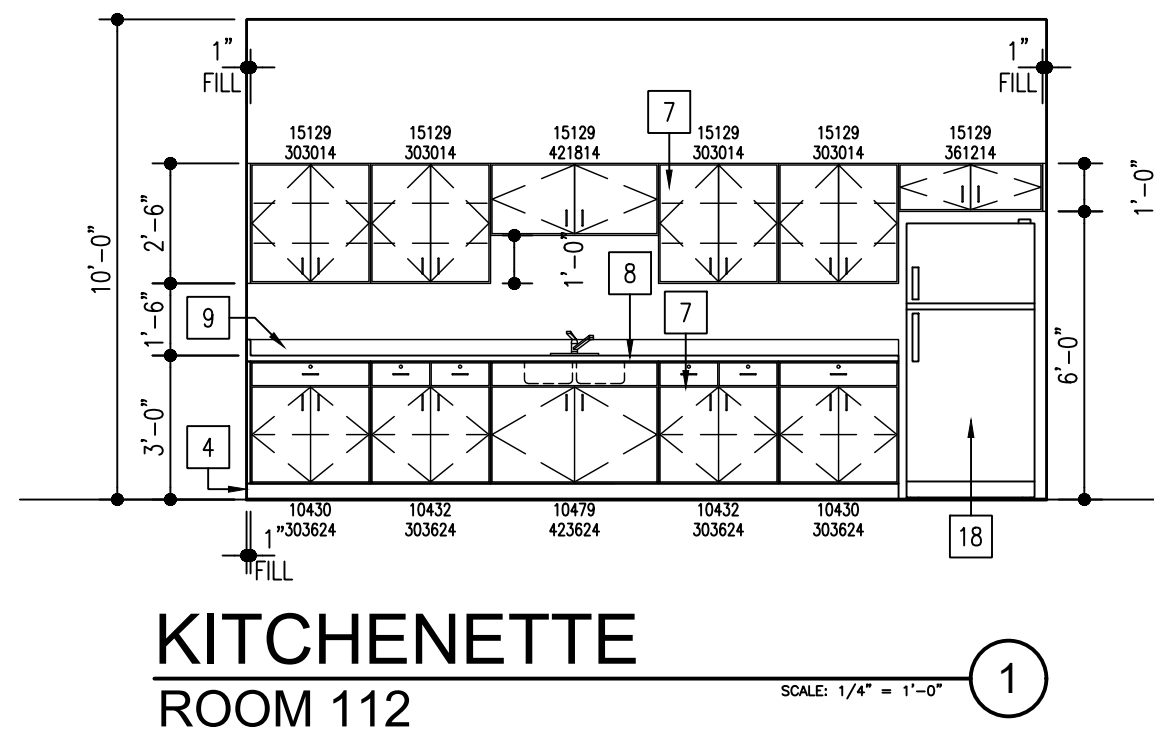
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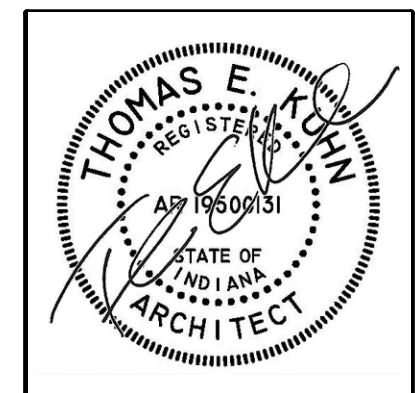
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| INTERIOR ELEVATIONS KEY NOTES |                                             |
|-------------------------------|---------------------------------------------|
| #                             | INTERIOR ELEVATION KEY NOTES                |
| 1.                            | ADA GRAB BARS                               |
| 2.                            | MIRRORS                                     |
| 3.                            | PLASTIC TOILET PARTITIONS                   |
| 4.                            | BASE - REFER TO ROOM FINISH SCHEDULED (TYP) |
| 5.                            | TOILET TISSUE DISPENSER                     |
| 6.                            | SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL    |
| 7.                            | CASEWORK                                    |
| 8.                            | COUNTER TOP                                 |
| 9.                            | 4" BACK SPLASH                              |
| 10.                           | SHOWER ROD & CURTAIN                        |
| 11.                           | EXAM CHAIRS                                 |
| 12.                           | WALL MOUNTED ADA FOLDING BENCH              |
| 13.                           | METAL SHELVES                               |
| 14.                           | CHAIN LINK FENCING                          |
| 15.                           | ELECTRIC HAND DRYERS                        |
| 16.                           | SOAP DISPENSER                              |
| 17.                           | PAPER TOWEL DISPENSER                       |
| 18.                           | REFRIGERATOR                                |
| 19.                           | ICE MACHINE                                 |
| 20.                           | WASHING MACHINE                             |
| 21.                           | ROBE HOOKS                                  |
| 22.                           | DRYER                                       |



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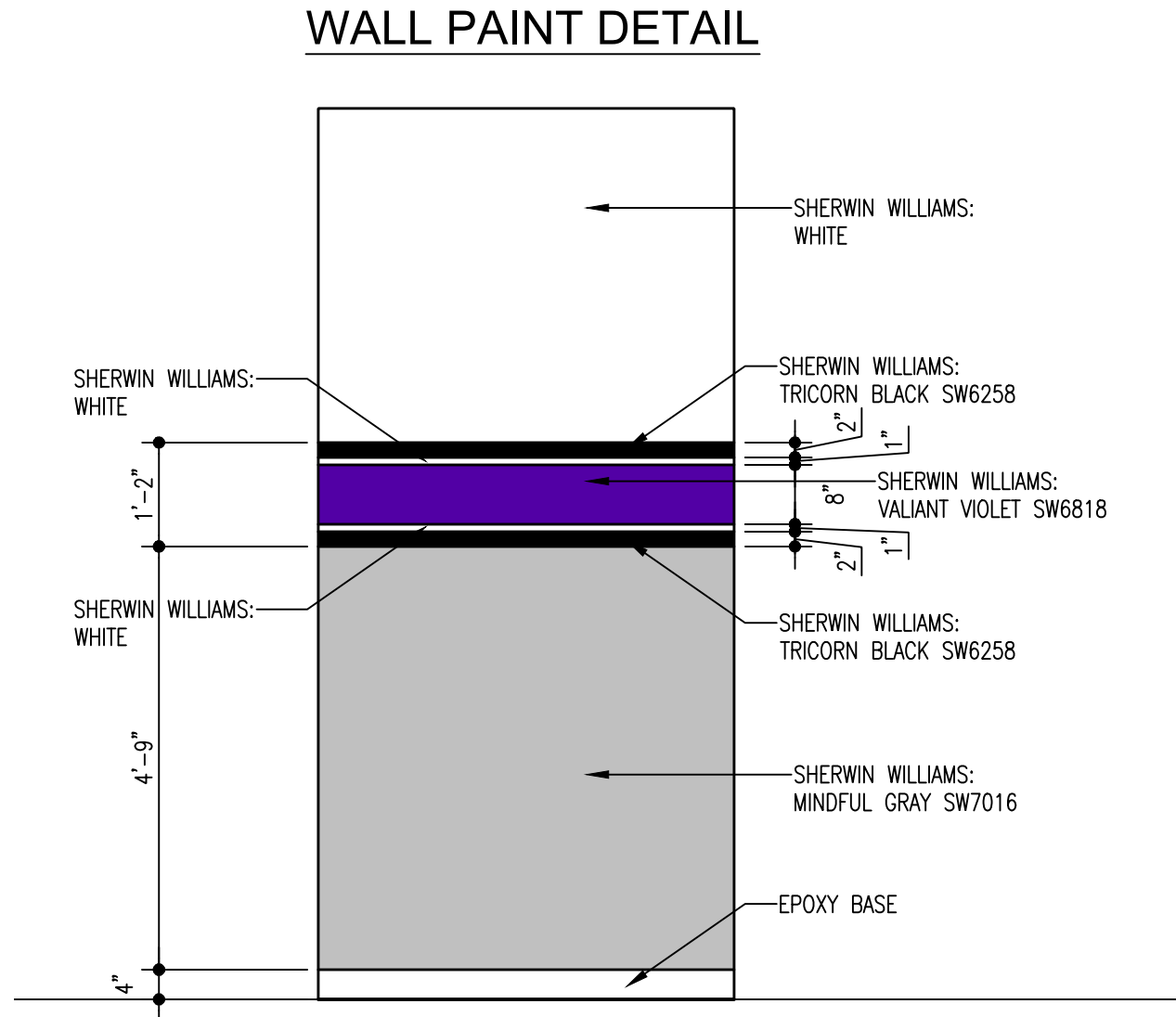
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| FINISH MATERIAL LEGEND |                                            |
|------------------------|--------------------------------------------|
|                        | DESCRIPTION                                |
| CMU                    | CONCRETE MASONRY UNIT                      |
| CONC                   | SEALED COLORED CONCRETE FLOORS             |
| EB                     | 4" EPOXY WALL BASE                         |
| PNT1                   | WALL PAINT: EPOXY PAINT - MINDFUL GRAY     |
| PNT2                   | CEILING PAINT:                             |
| SAT                    | WASHABLE SUSPENDED ACOUSTICAL TILE CEILING |
|                        |                                            |
|                        |                                            |
|                        |                                            |
|                        |                                            |
|                        |                                            |
|                        |                                            |

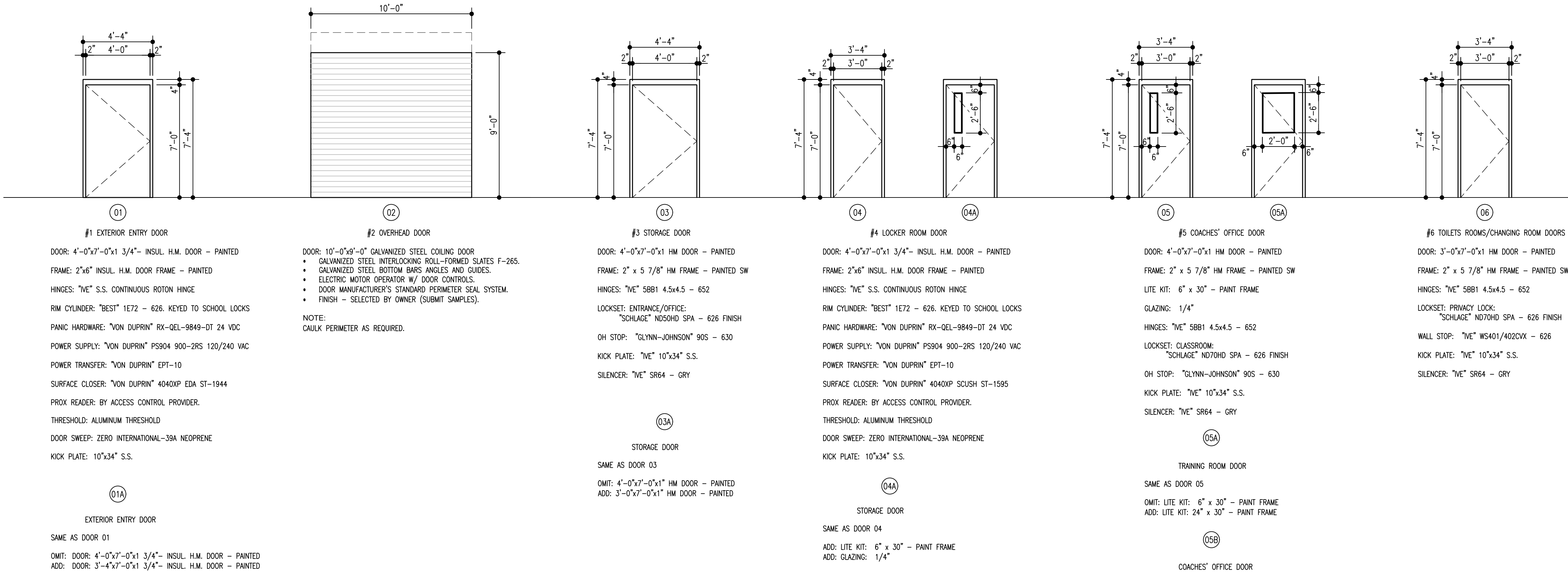
### ROOM FINISH SCHEDULE NOTES

- #1: REFER TO PAINT DETAIL PLAN ON SHEET A7.1.1  
#2: REFER TO SHEET A2.1.0 REFLECTED CEILING PLAN FOR MORE INFORMATION FOR CEILING HEIGHTS.  
#3:

| ROOM FINISH SCHEDULE |                                 |       |      |       |      |       |      |      |      |      |      |         |      |         |       |            |
|----------------------|---------------------------------|-------|------|-------|------|-------|------|------|------|------|------|---------|------|---------|-------|------------|
| ROOM<br>MNO          | ROOM NAME                       | FLOOR | BASE | WALLS |      |       |      |      |      |      |      | CEILING |      |         | NOTES | ROOM<br>NO |
|                      |                                 |       |      | NORTH |      | SOUTH |      | WEST |      | EAST |      | MT'L    | FIN  | HGT     |       |            |
|                      |                                 |       |      | MT'L  | FIN  | MT'L  | FIN  | MT'L | FIN  | MT'L | FIN  |         |      |         |       |            |
| 100                  | MAIN CORRIDOR                   | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | EXP     | PNT2 | ±13'-0" | #1    | 100        |
| 101                  | CORRIDOR NORTH                  | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | EXP     | PNT2 | ±13'-0" | #1    | 101        |
| 102                  | GIRLS TRACK LOCKER ROOM         | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | EXP/SAT | PNT2 | ---     | #2    | 102        |
| 103                  | GIRLS FLAG FOOTBALL LOCKER ROOM | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | EXP/SAT | PNT2 | ---     | #2    | 103        |
| 104                  | COACHES OFFICE                  | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | EXP     | PNT2 | 13'-0"  |       | 104        |
| 105                  | TOILET ROOM                     | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | SAT     | ---- | 10'-0"  | #2    | 105        |
| 106                  | CHANGING ROOM                   | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | SAT     | ---- | 10'-0"  |       | 106        |
| 107                  | CHANGING ROOM                   | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | SAT     | ---- | 10'-0"  |       | 107        |
| 108                  | BOYS TRACK LOCKER ROOM          | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | EXP/SAT | PNT2 | ---     | #2    | 108        |
| 109                  | CONFERENCE                      | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | SAT     | ---- | 10'-0"  |       | 109        |
| 110                  | TOILET ROOM                     | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | SAT     | ---- | 10'-0"  |       | 110        |
| 111                  | IT CLOSET                       | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | SAT     | ---- | 10'-0"  |       | 111        |
| 112                  | KITCHENETTE                     | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | SAT     | ---- | 10'-0"  |       | 112        |
| 113                  | BASEBALL LOCKER ROOM            | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | EXP/SAT | PNT2 | ---     | #2    | 113        |
| 114                  | COACHES OFFICE                  | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | EXP     | PNT2 | 13'-0"  |       | 114        |
| 115                  | TOILET ROOM                     | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | SAT     | ---- | 10'-0"  | #1    | 115        |
| 116                  | CHANGING ROOM                   | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | SAT     | ---- | 10'-0"  |       | 116        |
| 117                  | CHANGING ROOM                   | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | SAT     | ---- | 10'-0"  |       | 117        |
| 118                  | SOFTBALL LOCKER ROOM            | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | EXP/SAT | PNT2 | ---     | #2    | 118        |
| 119                  | TRAINING ROOM                   | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | EXP     | PNT2 | 13'-0"  |       | 119        |
| 120                  | LAUNDRY & CUSTODIAL             | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | EXP     | PNT2 | 13'-0"  |       | 120        |
| 121                  | MAINTENANCE & MECHANICAL ROOM   | CONC  | EB   | CMU   | PNT1 | PNT1  | PNT1 | PNT1 | PNT1 | PNT1 | PNT1 | EXP     | PNT2 | 13'-0"  |       | 121        |
|                      |                                 |       |      |       |      |       |      |      |      |      |      |         |      |         |       |            |
|                      |                                 |       |      |       |      |       |      |      |      |      |      |         |      |         |       |            |

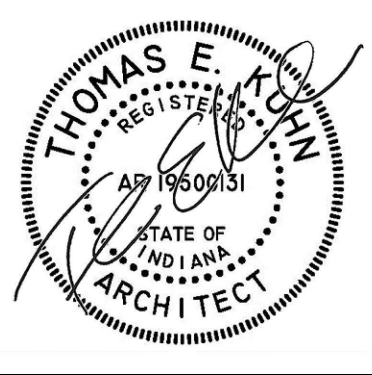
### ROOM FINISH SCHEDULE

SCALE: 1/4" = 1'-0"



### DOOR SCHEDULE

SCALE: 1/4" = 1'-0"



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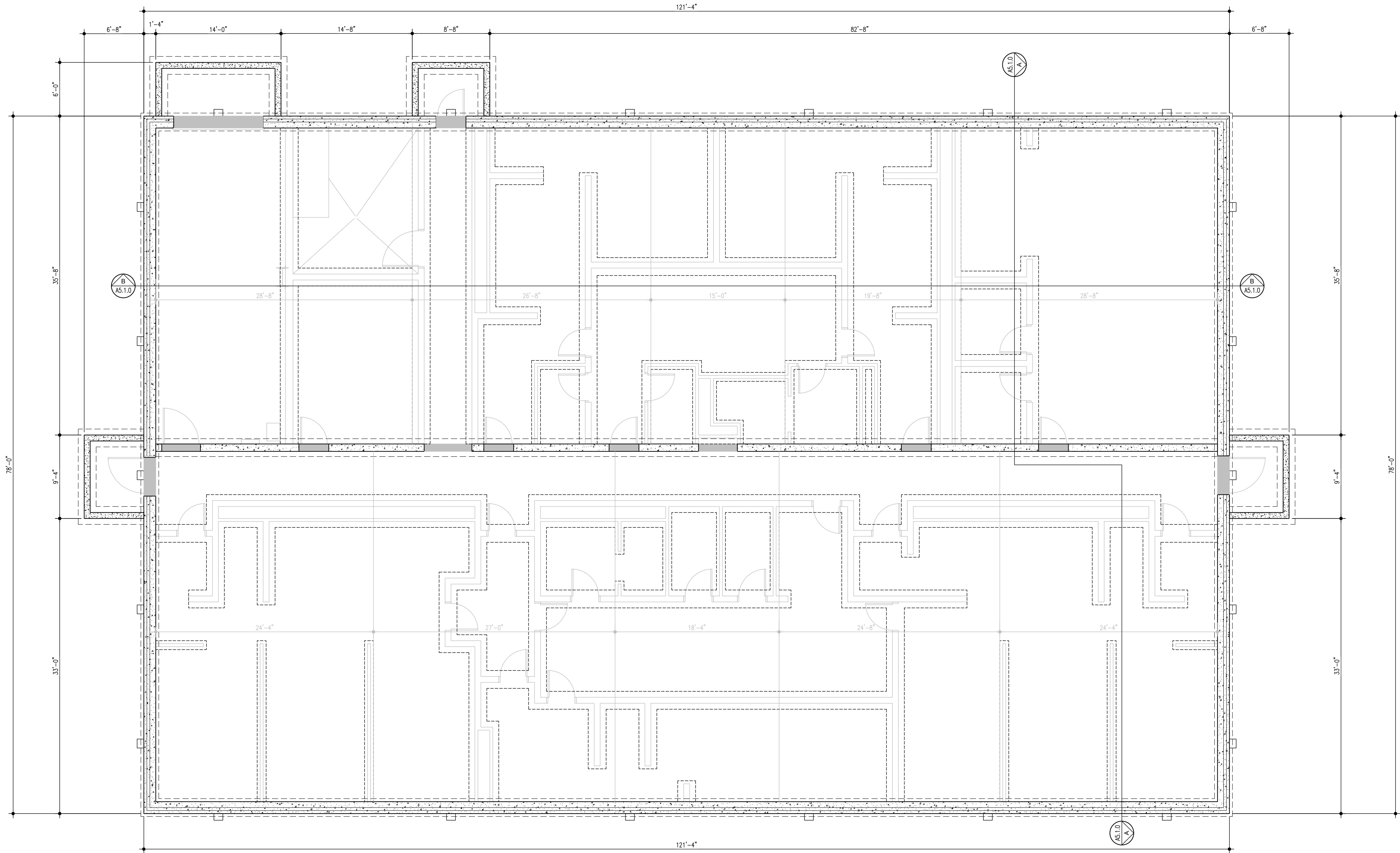
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FOUNDATION PLAN

SCALE: 3/16" = 1'-0"



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10-02-2026

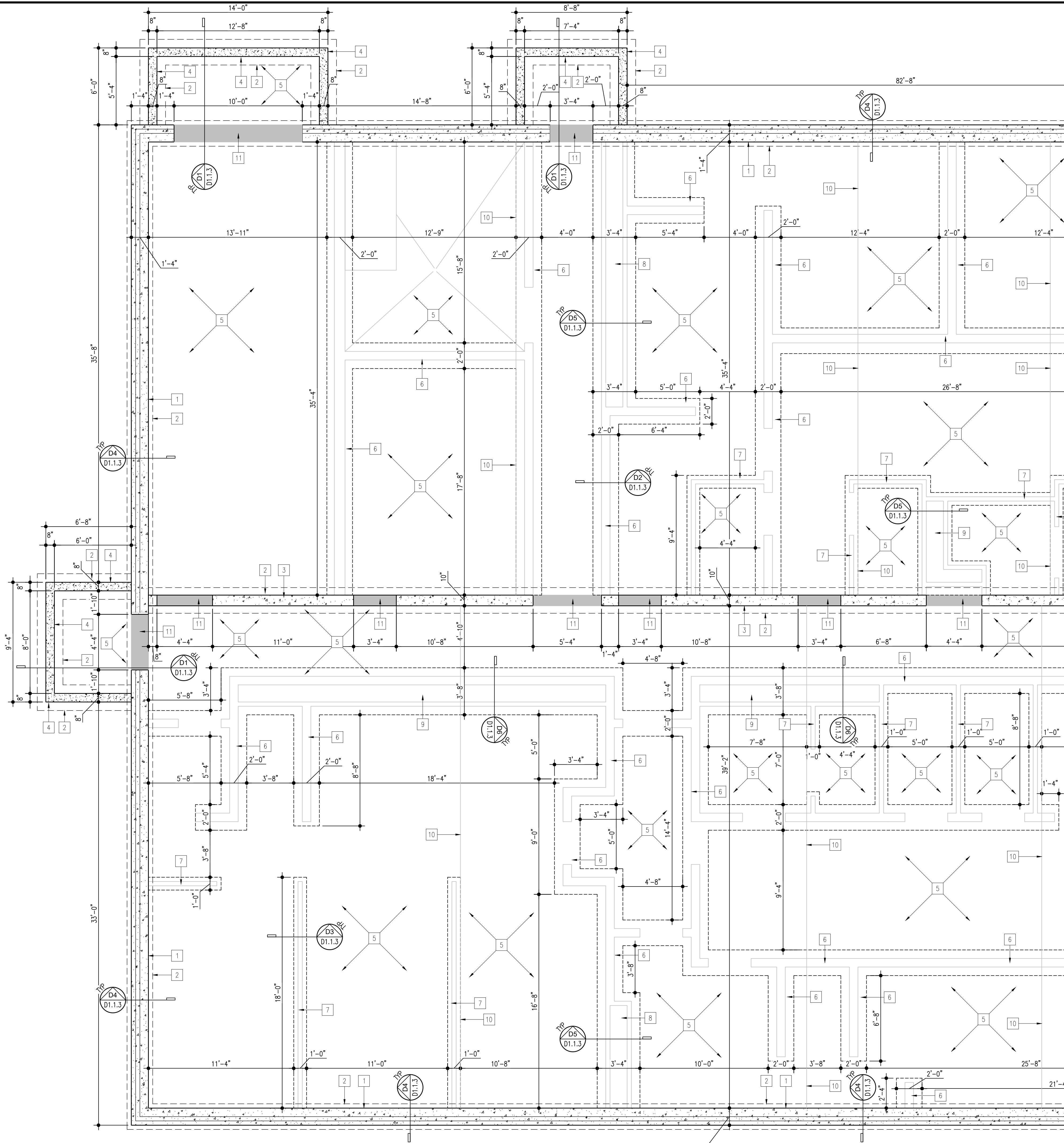
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GENERAL NOTES:

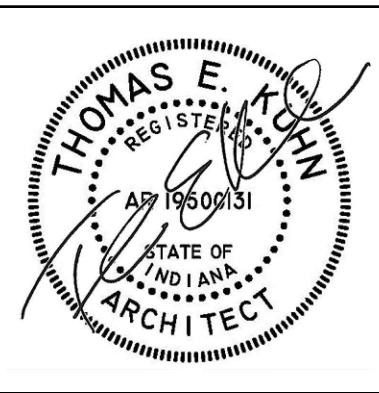
1. PITCH ALL CONCRETE FLOORS TO FLOOR DRAINS.
2. SEE WALL SECTIONS DRAWINGS FOR ADDITIONAL FOOTING AND FOUNDATION WALL DETAILS.
3. CONTRACTOR TO POUR CONCRETE BETWEEN EXISTING FOUNDATION AND NEW FOUNDATION AT THE NORTHWEST CORNER AS REQUIRED.

FOUNDATION KEYED NOTES

- 1 16" POURED CONCRETE FOUNDATION WALL w/ 2-#5 T & B CONTINUOUS & 2" RIGID PERIMETER INSULATION INBOARD SIDE. (TYP - UNO) - SEE FOUNDATION DETAIL #1 ON S1.1.3 T/ WALL EL: +100'-0"
- 2 1'-0"x2'-0" POURED CONCRETE FOOTING w/ 3-#5 CONTINUOUS & #5 VERTICAL @ 4'-0" O.C. UP INTO FOUNDATION WALL. (TYP - UNO) B/FOOTING EL: +96'-0"
- 3 10" POURED CONCRETE FOUNDATION WALL w/ 2-#5 T & B CONTINUOUS - SEE FOUNDATION DETAIL #2 ON S1.1.3; T/ WALL EL: +100'-0"
- 4 8" CONCRETE STOOP WALL w/2-#5 T & B & 8" X 16" CONCRETE FOOTING w/ 2-#5 CONTINUOUS & #5 VERTICAL @ 24" O.C. T/WALL EL: +100'-0". B/FOOTING EL: +96'-0".
- 5 4" CONCRETE SLAB w/ WATER VAPOR REDUCING ADMIXTURE (WVRD); VAPOR LOCK 20/20; & 6x6 W1.4/W1.4 WVR ON 15 MIL VAPOR RETARDER ON 6" MIN COMP. GRANULAR FILL. T/SLAB EL: +100'-0".
- 6 12"x24"W THICKENED SLAB W/ (2) #5 CONT.
- 7 12"x12"W THICKENED SLAB W/ (2) #5 CONT.
- 8 12"x40"W THICKENED SLAB AT PLUMBING CHASE
- 9 12"x44"W THICKENED SLAB AT PLUMBING CHASE
- 10 CONTROL JOINT (TYP) IN SLAB
- 11 AT FOUNDATION WALL DOORS - RECESS 1/FOUND. WALL 8" (EL +99'-4") & POUR CONCRETE SLAB THRU

PARTIAL FLOOR PLAN  
AREA A

SCALE: 1/4" = 1'-0"



DATE  
10-02-2026

NEW LOCKER ROOM FACILITY & RENOVATIONS TO  
THE EXISTING CONCESSION & TENNIS FACILITY AT  
MERRILLVILLE HIGH SCHOOL  
276 E. 68TH PLACE  
MERRILLVILLE, IN 46410

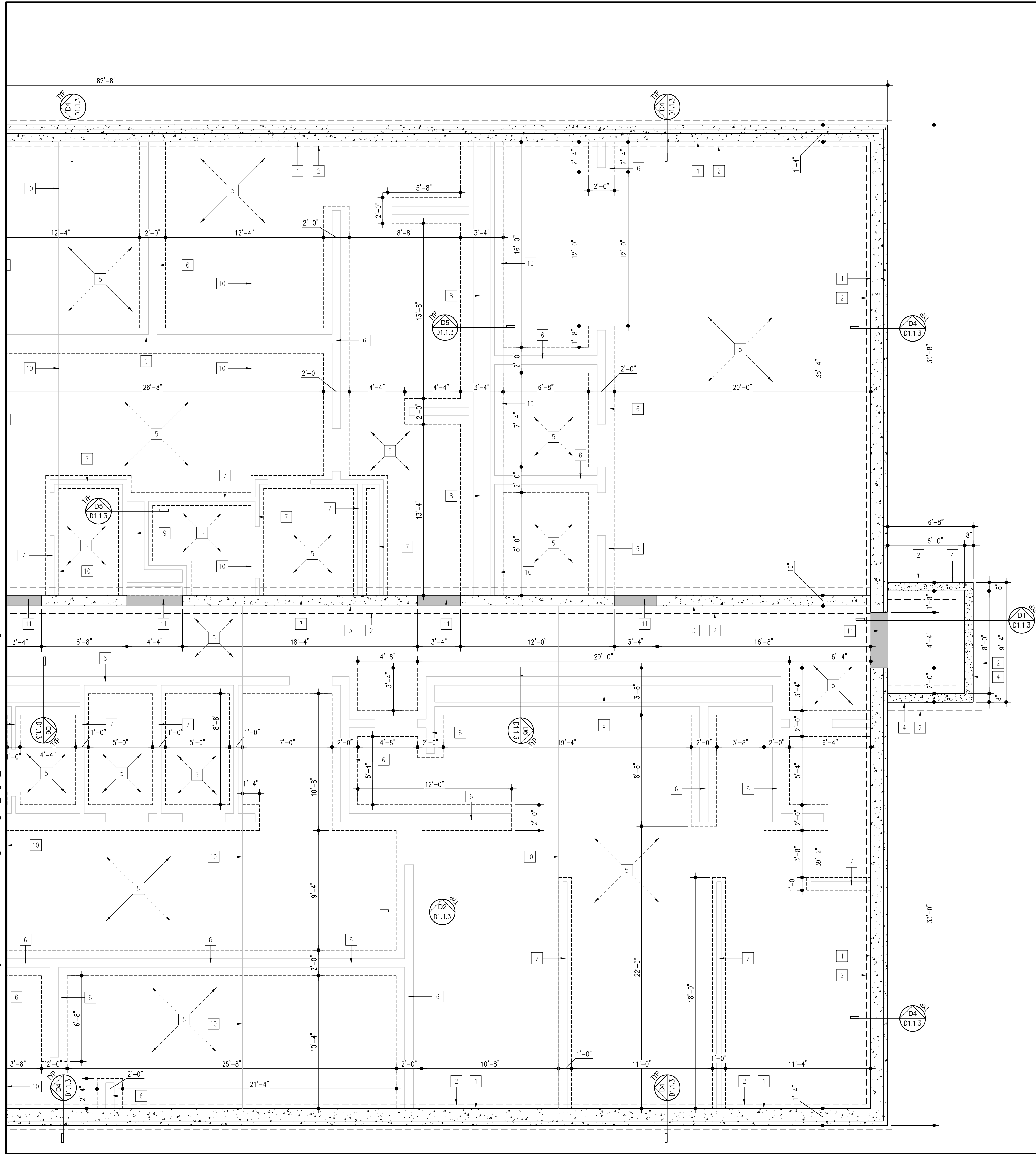
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GENERAL NOTES:

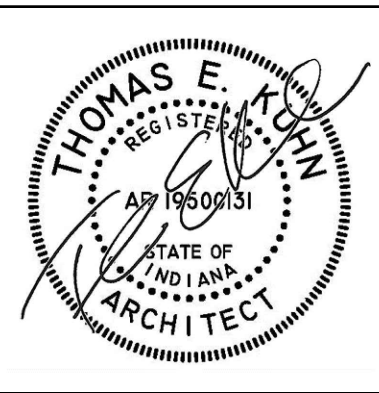
1. PITCH ALL CONCRETE FLOORS TO FLOOR DRAINS.
2. SEE WALL SECTIONS DRAWINGS FOR ADDITIONAL FOOTING AND FOUNDATION WALL DETAILS
3. CONTRACTOR TO POUR CONCRETE BETWEEN EXISTING FOUNDATION AND NEW FOUNDATION AT THE NORTHWEST CORNER AS REQUIRED.

FOUNDATION KEYED NOTES

- 1 16" POURED CONCRETE FOUNDATION WALL w/ 2-#5 T & B CONTINUOUS & 2" RIGID PERIMETER INSULATION INBOARD SIDE. (TYP - UNO) - SEE FOUNDATION DETAIL #1 ON S1.1.3 T/ WALL EL: +100'-0"
- 2 1'-0"x2'-0" POURED CONCRETE FOOTING w/ 3-#5 CONTINUOUS & #5 VERTICAL @ 4'-0" O.C UP INTO FOUNDATION WALL. (TYP - UNO) B/FOOTING EL: +96'-0"
- 3 10" POURED CONCRETE FOUNDATION WALL w/ 2-#5 T & B CONTINUOUS - SEE FOUNDATION DETAIL #2 ON S1.1.3; T/ WALL EL: +100'-0"
- 4 8" CONCRETE STOOP WALL w/2-#5 T & B & 8" X 16" CONCRETE FOOTING w/ 2-#5 CONTINUOUS & #5 VERTICAL @ 24" O.C. T/WALL EL: +100'-0". B/FOOTING EL: +96'-0".
- 5 4" CONCRETE SLAB w/ WATER VAPOR REDUCING ADMIXTURE (WVRD); VAPOR LOCK 20/20; & 6x6 W1.4/W1.4 WNR ON 15 MIL VAPOR RETARDER ON 6" MIN COMP. GRANULAR FILL. T/SLAB EL: +100'-0".
- 6 12"x24"W THICKENED SLAB W/ (2) #5 CONT.
- 7 12"x12"W THICKENED SLAB W/ (2) #5 CONT.
- 8 12"x40"W THICKENED SLAB AT PLUMBING CHASE
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- 10 CONTROL JOINT (TYP) IN SLAB
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PARTIAL FLOOR PLAN  
AREA B

SCALE: 1/4" = 1'-0"



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1/2" EXPANSION JOINT (TYP.)

4" CONC. SLAB W/ #6 @ 15" W/ 15 MIL VAPOR RETARDER ON 6" MIN. COMPACTED GRANULAR FILL

2" RIGID INSULATION

12"x24" CONT. FOOTING W/ (3) #5 HORIZ. BARS CONT.

16" CONCRETE FOUNDATION WALL W/ 2-#5 BARS TOP & BOTTOM.

VERT. #5 @ 48 O.C.

CMU WALL W/ HORIZ. REINF @ 16" O.C. (REFER TO ARCHITECTURAL)

T/FOUND  
ELEV. = 100'-0"

T/FOOTING  
ELEV. = 97'-0"

B/FOOTING  
ELEV. = 96'-0"

4'-0"

3'-0"

1'-0"

1'-4"

2'-0"

[illegible]

CMU WALL W/ HORIZ. REINF  
 @ 16" O.C. (REFER TO ARCHITECTURAL)

1/2" EXPANSION JOINT (TYP.)

1/2" EXPANSION JOINT (TYP.)

4" CONC. SLAB W/ 6x6 W1.4/W1.4 WWR W/ 15 MIL. VAPOR RETARDER ON 6" MIN. COMPACTED GRANULAR FILL.

12'x40" CONCRETE FOOTING W/ 4-#5 HORIZONTAL BARS CONT.

16" 6" 1'-0" 3'-4"

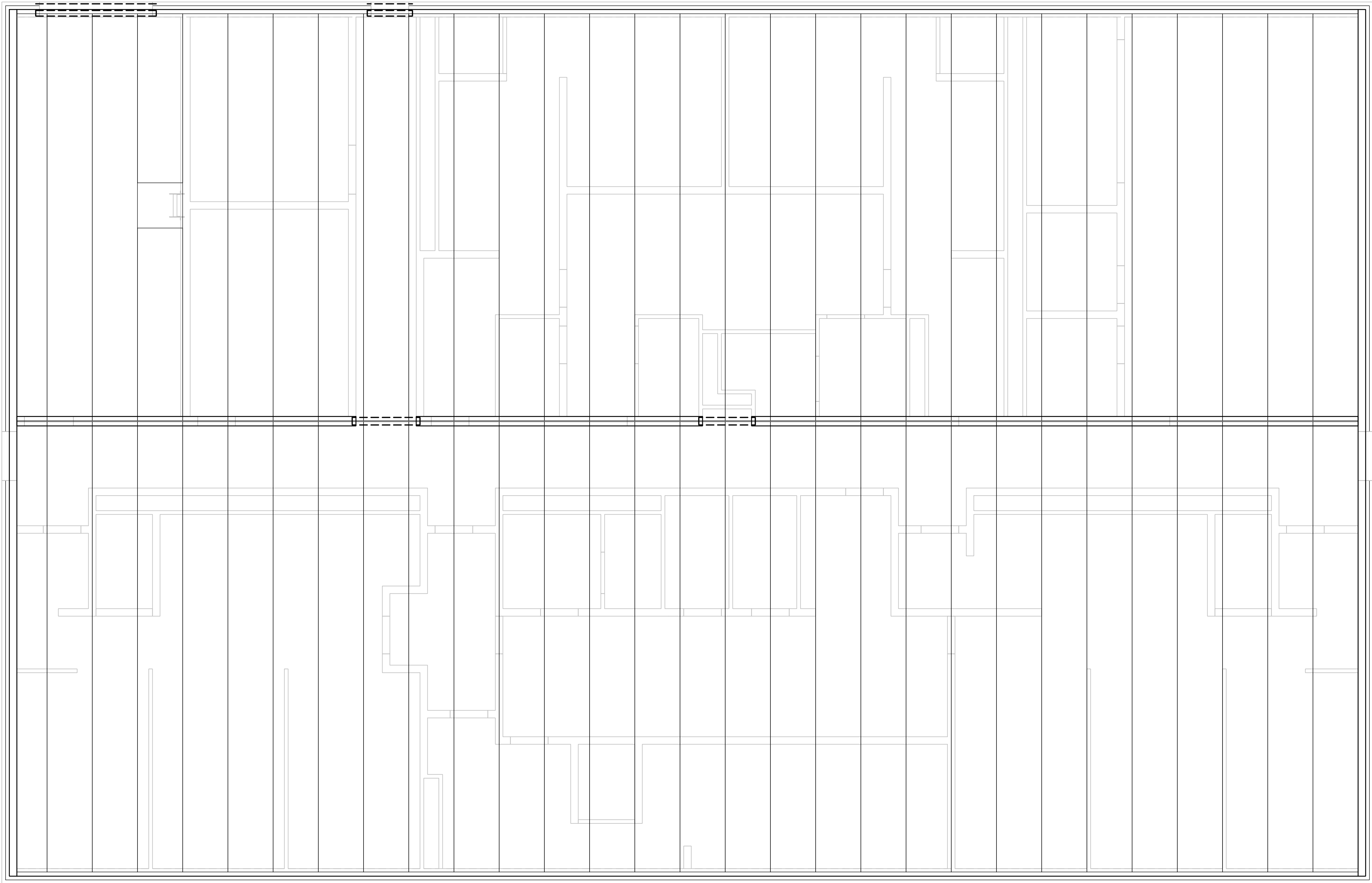
T/CONC. SLAB  
 ELEV. = 100'-0"

B/FOOTING  
 ELEV. = 98'-4"

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MASTER STRUCTURAL PLAN

SCALE: 3/16" = 1'-0"



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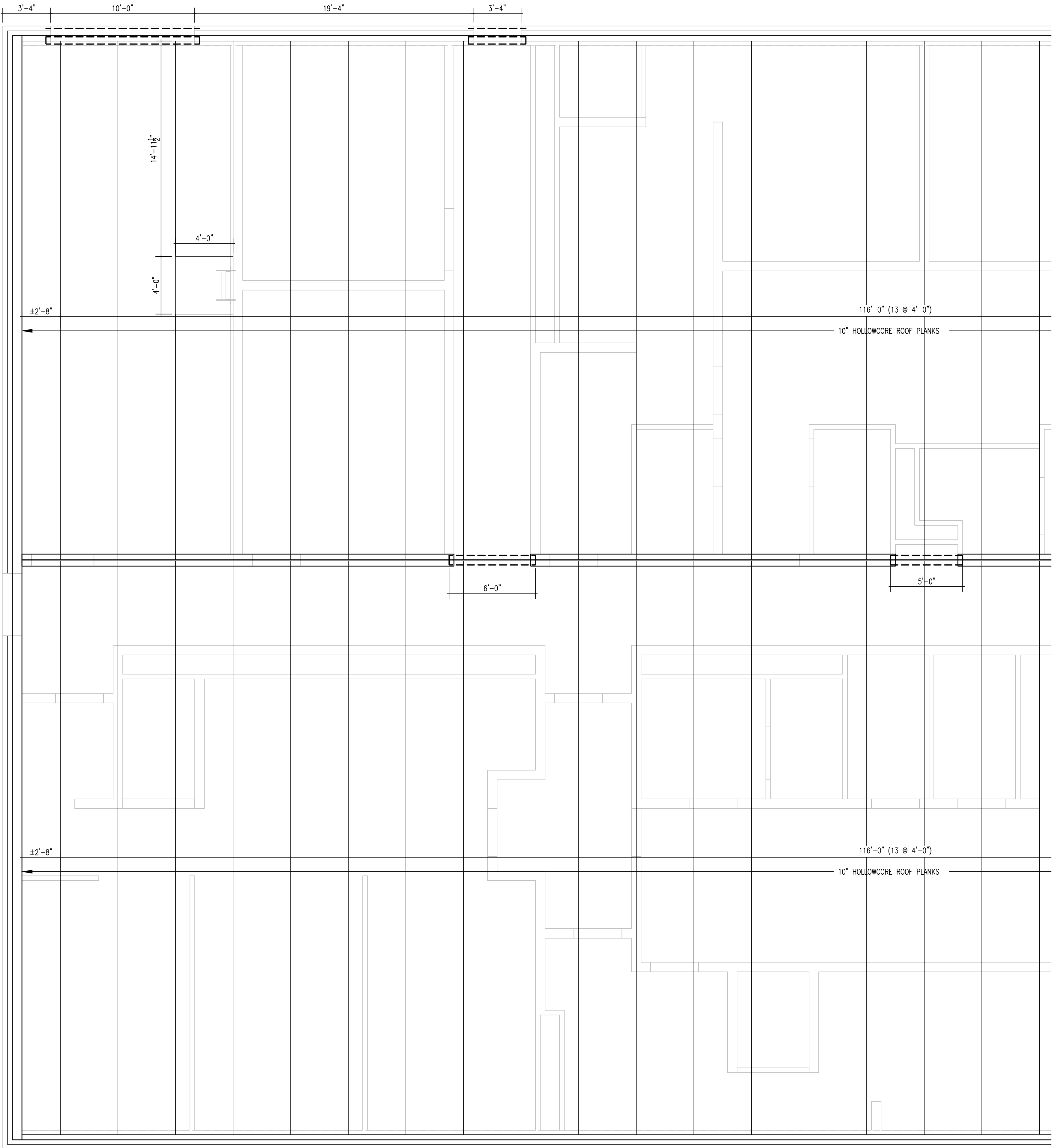
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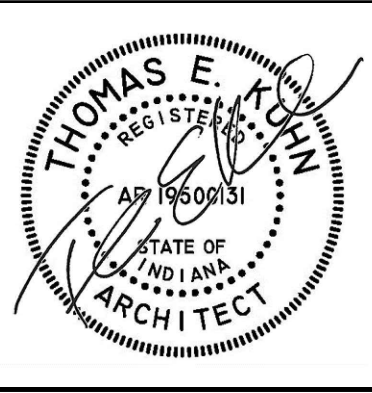
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PARTIAL STRUCTURAL PLAN  
AREA A

SCALE: 1/4" = 1'-0"



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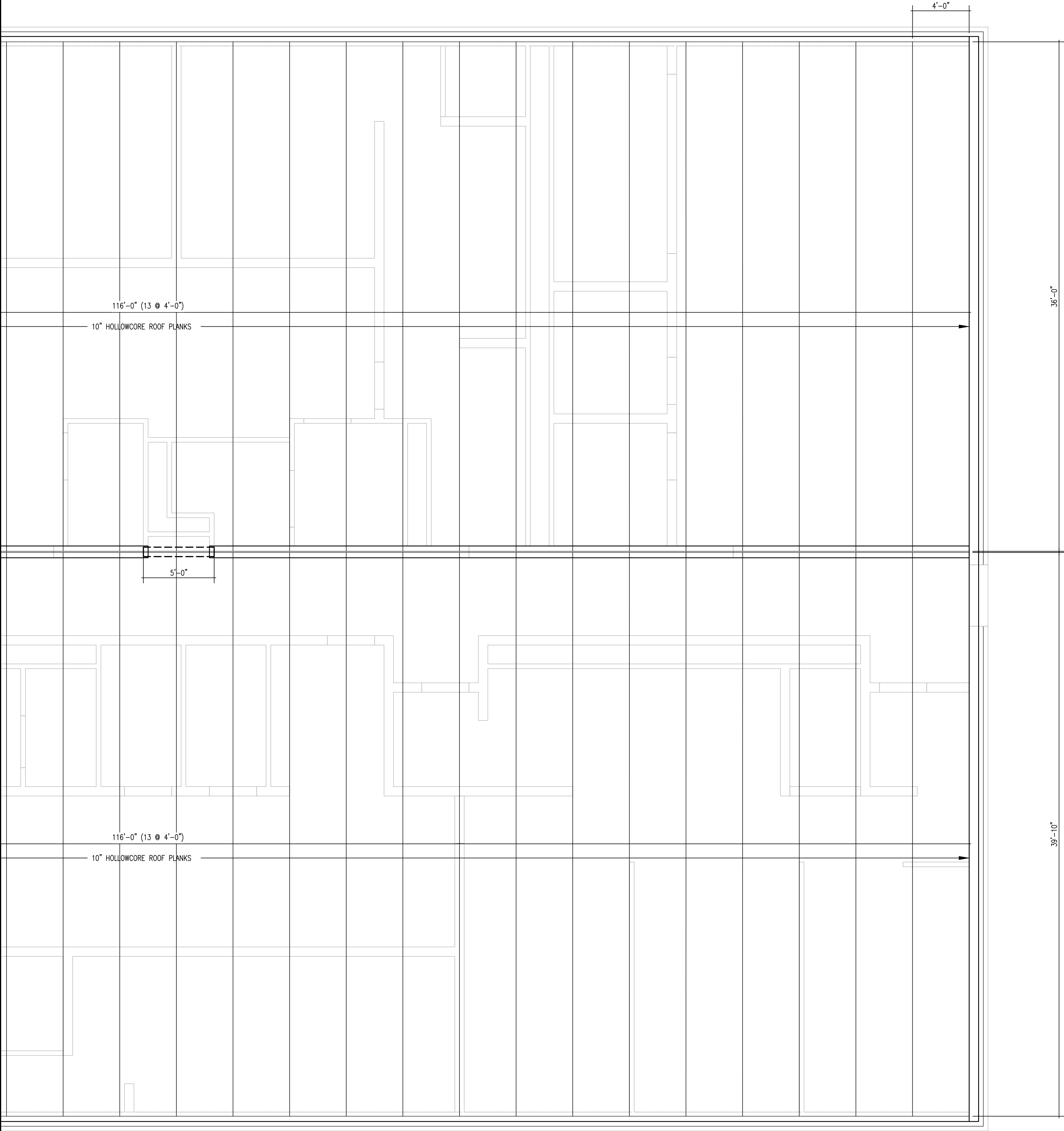
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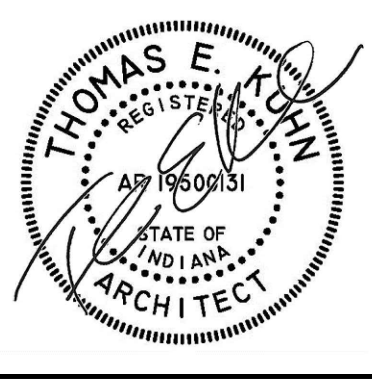
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PARTIAL SRUCTURAL PLAN  
AREA B

SCALE: 1/4" = 1'-0"



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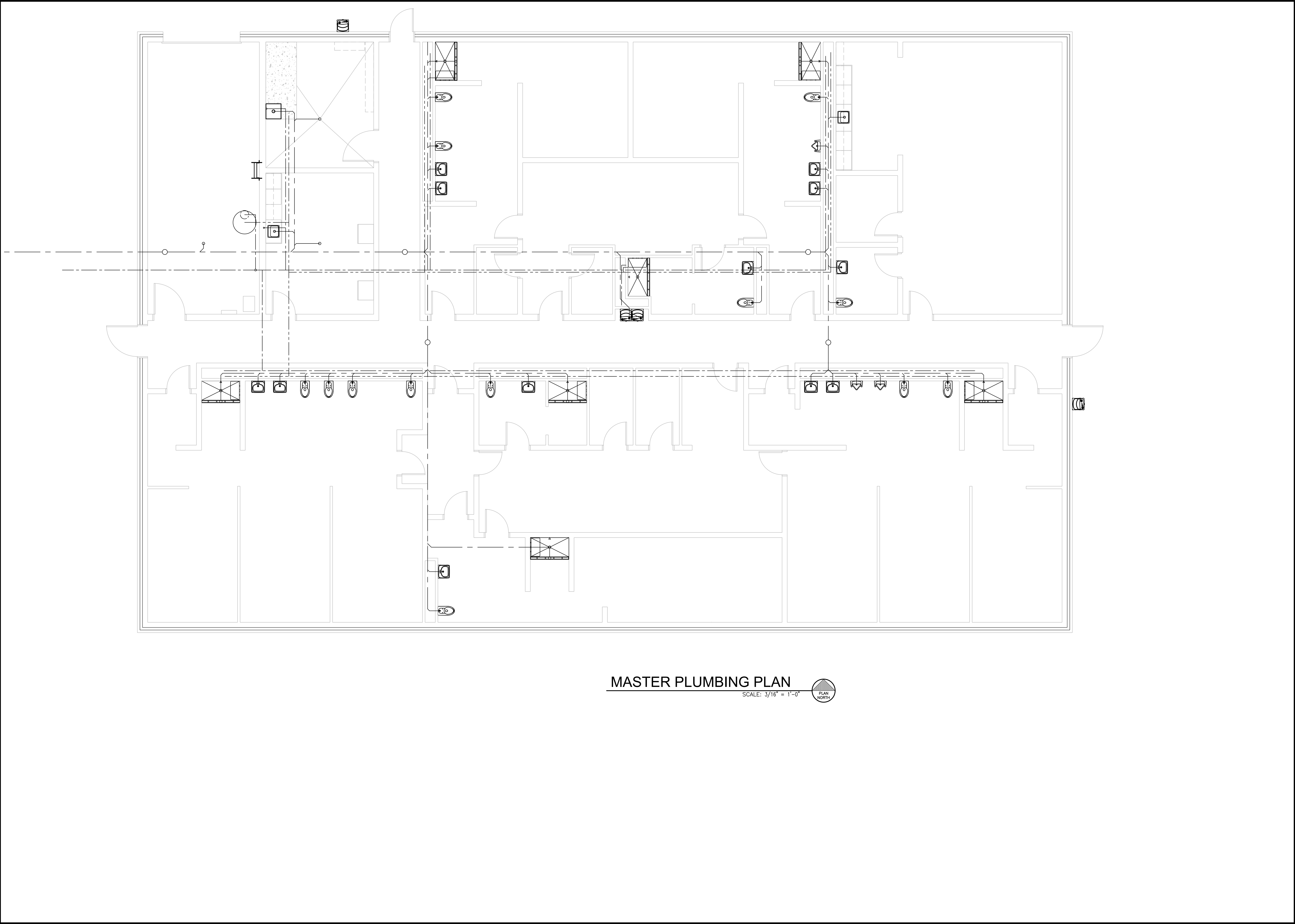
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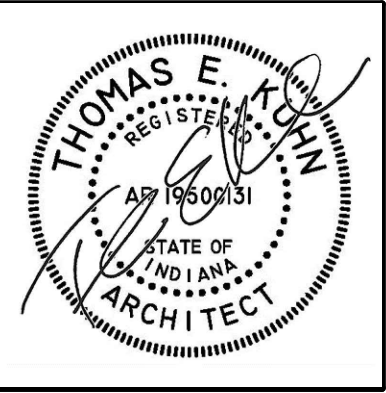
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MASTER PLUMBING PLAN

SCALE: 3/16" = 1'-0"



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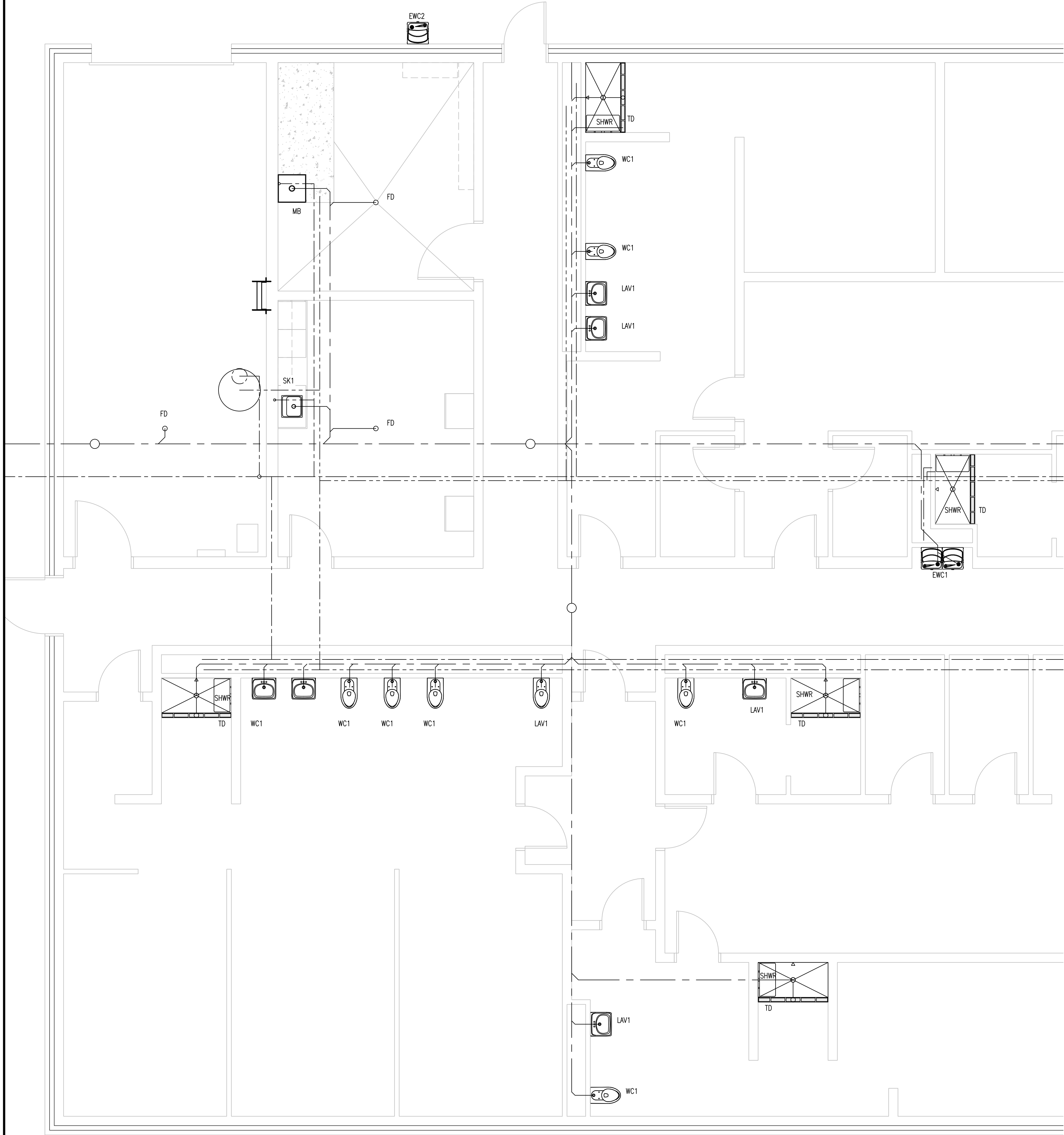
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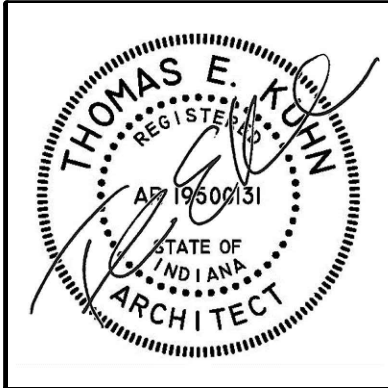
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| PLUMBING FIXTURE SCHEDULE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                         |      |       |        |                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------|-------|--------|-----------------------------------------------------------------------------------------------------|
| TAG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DESCRIPTION                    | SPECIFICATION                                                                                                                                                                                                                                                                                                                                                                               | PROVIDE THE FOLLOWING SIZE BRANCH TO THE DISTRIBUTION MAIN (UNLESS OTHERWISE SPECIFIED) |      |       |        |                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |                                                                                                                                                                                                                                                                                                                                                                                             | CW                                                                                      | HW   | DRAIN | VENT   | REMARKS                                                                                             |
| WC1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | WALL HUNG WATER CLOSET         | AMERICAN STANDARD "APWALL" #3351, WALL MOUNTED ELONGATED, WHITE VITREOUS CHINA WITH EVERCLEAN, TOILET 1.6 GPF. PROVIDE BOLT CAPS. ZURN FLUSH VALVE MODEL: ZER6003-AV-TM-HET-1.28; PROVIDE LITHIUM BATTERY, BEMIS "OLSONITE" #95SSCT, WHITE, ELONGATED, OPEN FRONT, S.S. EXTERNAL CHECK HINGE. ZURN Z1200 SERIES, ADJUSTABLE CLOSET CARRIER.                                                 | 1"                                                                                      | --   | 4"    | 2"     |                                                                                                     |
| UR1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | URINAL                         | AMERICAN STANDARD "WASHBROOK FLOWISE" #6590, WALL MOUNTED, WHITE VITREOUS CHINA WITH EVERCLEAN, URINAL 1.0 GPF. ZURN FLUSH VALVE MODEL: ZER6003AV-TM-0.125; PROVIDE LITHIUM BATTERY. ZURN Z1221, ADJUSTABLE URINAL CARRIER.                                                                                                                                                                 | 3/4"                                                                                    | --   | 2"    | 2"     |                                                                                                     |
| LAV1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | WALL HUNG LAVATORY             | AMERICAN STANDARD #0355.012 WHITE "LUCERNE" WALL-HUNG LAVATORY. SLOAN FAUCET MODEL: EAF350-ISM-0.5; PROVIDE 8" COVER PLATE MODEL ETF-510-A. BRASSCRAFT #KTSOR19X-C 1/2" COMP x 3/8" COMP CHROME 1/4 TURN ANGLE STOPS w/ LOOSE KEY. CAST BRASS "P" TRAP WITH CLEAN OUT. ZURN #Z1231 CONCEALED ARM CARRIER.                                                                                   | 1/2"                                                                                    | 1/2" | 2"    | 1 1/2" | TRUEBRO "LAV GUARD2" ADA-COMPLIANT UNDERSINK PIPE PROTECTION, ANTIMICROBIAL RESILIENT MOLDED VINYL. |
| SK1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SINGLE BOWL SINK               | ELKAY #LR2022 LUSTERTONE CLASSIC STAINLESS STEEL, SINGLE BOWL, SINK w/ REMOVABLE STAINLESS STEEL BASKET STRAINERS, CHICAGO FAUCET #786-245ABCP, GOOSENECK FAUCET, CHROME, WITH POWERS LF6480-10 LAVATORY TEMPERING VALVE, S.S. FLEXIBLE BRAIDED FAUCET WATER CONNECTOR AND BRASSCRAFT #KTSOR19X-C 1/2" COMP x 3/8" COMP CHROME 1/4 TURN ANGLE STOP w/ LOOSE KEY. CAST BRASS "P" TRAP W/ CO. | 1/2"                                                                                    | 1/2" | 2"    | 1 1/2" |                                                                                                     |
| SHWR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SHOWER                         | AMERICAN STANDARD 1662.211 FLOWISE COMMERCIAL SHOWER SYSTEM KIT WITH PRESSURE BALANCING VALVE, 1.5 GPM, HAND SHOWER, METAL HOSE, CAST BRASS VALVE BODY, ADA COMPLIANT, POLISHED CHROME. ZURN #ZN415S -3" CAST IRON FLOOR DRAIN w/ 6" x 6" SQUARE TYPE "S" POLISHED NICKEL BRONZE STRAINER.                                                                                                  | 1/2"                                                                                    | 1/2" | 3"    | 1 1/2" |                                                                                                     |
| IMOB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ICE MAKER OUTLET BOX           | DATEY #39142, SQUARE ICE MAKER OUTLET BOX w/ 1/4 TURN VALVE, WATER HAMMER ARRESTOR, & 6" SS HOSE.                                                                                                                                                                                                                                                                                           | 1/2"                                                                                    | --   | --    | --     |                                                                                                     |
| MB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MOP BASIN                      | MUSTEE #63M 24" x 24" FIBERGLASS MOP SERVICE BASIN w/ 3" DRAIN CONNECTION & #63.403 STAINLESS STEEL BUMPER GUARDS. CHICAGO FAUCET #897-MPRCF, MOP SINK FAUCET, INTEGRAL STOP VALVES, VACUUM BREAKER SPOUT w/ PAUL HOOK & WALL BRACE, 3/4" MALE HOSE THREAD OUTLET. FIAT #632-AA FLEXIBLE HOSE, 3/4" BRASS COUPLING, & STAINLESS STEEL HOSE BRACKET.                                         | 3/4"                                                                                    | 3/4" | 3"    | 1-1/2" |                                                                                                     |
| LTUB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SINGLE COMPARTMENT LAUNDRY TUB | FIAT #SF1W "TUF-TUB" WALL-HUNG SINGLE COMPARTMENT LAUNDRY TUB w/ STEEL WALL BRACKET. FIAT #A-1 LAUNDRY DECK FAUCET w/ SWING SPOUT, AERATOR, HOSE ADAPTOR, AND WRIST BLADE HANDLES. LF6480-10 LAVATORY TEMPERING VALVE. BRASSCRAFT #KTOR19X-C 1/2" COMP x 3/8" COMP CHROME 1/4 TURN ANGLE STOP. CAST BRASS "P" TRAP W/CO.                                                                    | 1/2"                                                                                    | 1/2" | 2"    | 1 1/2" |                                                                                                     |
| EWC1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ELECTRIC WATER COOLER          | ELKAY MODEL: LZSTL8WSSPRO FAMILY - BOTTLE FILLING STATION & BI-LEVEL ADA COOLER W/ FILTER - SSGRAY. PROVIDE WALL CARRIER MLP200                                                                                                                                                                                                                                                             | 1/2"                                                                                    | --   | 2"    | 1-1/2" |                                                                                                     |
| EWC2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EXTERIOR ELECTRIC WATER COOLER | ELKAY "EZHZ0" #EXLMSN-EDFPVMZ14DK WALL MOUNTED BOTTLE FILLING STATION W/ INTEGRAL SOFT SIDES. STAINLESS STEEL. INSTALL AT ADA HEIGHT                                                                                                                                                                                                                                                        | 1/2"                                                                                    | --   | 2"    | 1-1/2" |                                                                                                     |
| FPHB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FROST PROOF HOSE BIB           | WOODFORD MODEL 67-B FREEZELESS WALL FAUCET w/DOUBLE CHECK BACKFLOW PREVENTER & LOOSE KEY, BRONZE FINISH                                                                                                                                                                                                                                                                                     | 3/4"                                                                                    | --   | --    | --     |                                                                                                     |
| HB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | HOSE BIB                       | WOODFORD MODEL 101 ANTI-SIPHON WALL FAUCET                                                                                                                                                                                                                                                                                                                                                  | 3/4"                                                                                    | --   | --    | --     |                                                                                                     |
| TD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TRENCH DRAIN                   | HUBBEL "POLYCAST 700" PRE-SLOPED POLYESTER POLYMER CONCRETE TRENCH DRAIN, HEAVY DUTY GRAY IRON FRAME #DG0700AA w/ EXTRA HEAVY DUTY DUCTILE IRON GRATE #DG0641D & GRATE HOLD-DOWN DEVICE, LOAD CLASS E, CATCH BASIN w/ 6" OUTLET, END CAPS, & INSTALLATION CHAIRS                                                                                                                            | --                                                                                      | --   | 6"    | --     |                                                                                                     |
| FCO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLOOR CLEAN OUT                | ZURN #ZS1400-BP-4 CAST IRON FLOOR CLEAN OUT w/NICKEL BRONZE PLUG & STAINLESS STEEL COVER. PROVIDE SQUARE TOP WHERE INSTALLED IN PORCELAIN / CERAMIC TILE. PROVIDE CARPET MARKER IN AREAS TO RECEIVE CARPET.                                                                                                                                                                                 | --                                                                                      | --   | 4"    | --     |                                                                                                     |
| WH1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | WATER HEATER                   | AO SMITH CONSERVATION 75-GAL POWER DIRECT VENT WATER-HEATER; MODEL: AO_BTF-8Q 310. 76,000 BTU, PVC POWER VENT W/EXPANSION TANK, THERMOSTATIC MIXING VALVE, 28"ø x 2" DRAIN PAN, 3/4" IN LINE CIRCULATING PUMP - BELL & GOSSETT; SERIES 4-60 ECM. (SIZE BY MANUFACTURER FOR APPLICATION) & AQUASTAT AS REQUIRED.                                                                             |                                                                                         |      |       |        |                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                         |      |       |        |                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                         |      |       |        |                                                                                                     |
| NOTES:<br>1. ALL NEW PLUMBING EQUIPMENT SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE.<br>2. PROVIDE TEMPERING MIXING VALVE AT EACH LAVATORY & SINK.<br>3. FOR EACH BRANCH FROM THE MAIN PIPING PROVIDE VALVE AND TAG.<br>4. PROVIDE AIR CHAMBERS AT ALL NEW PLUMBING FIXTURES.<br>5. ALL VENTS TO EXTEND 12" ABOVE THE ROOF LINE AND SHALL BE PROVIDED WITH REGULAR ROOF TERMINATION TO RECEIVE FLASHING AS REQUIRED.<br>6. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION. |                                |                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                         |      |       |        |                                                                                                     |

PARTIAL PLUMBING PLAN  
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SCALE: 1/4" = 1'-0"



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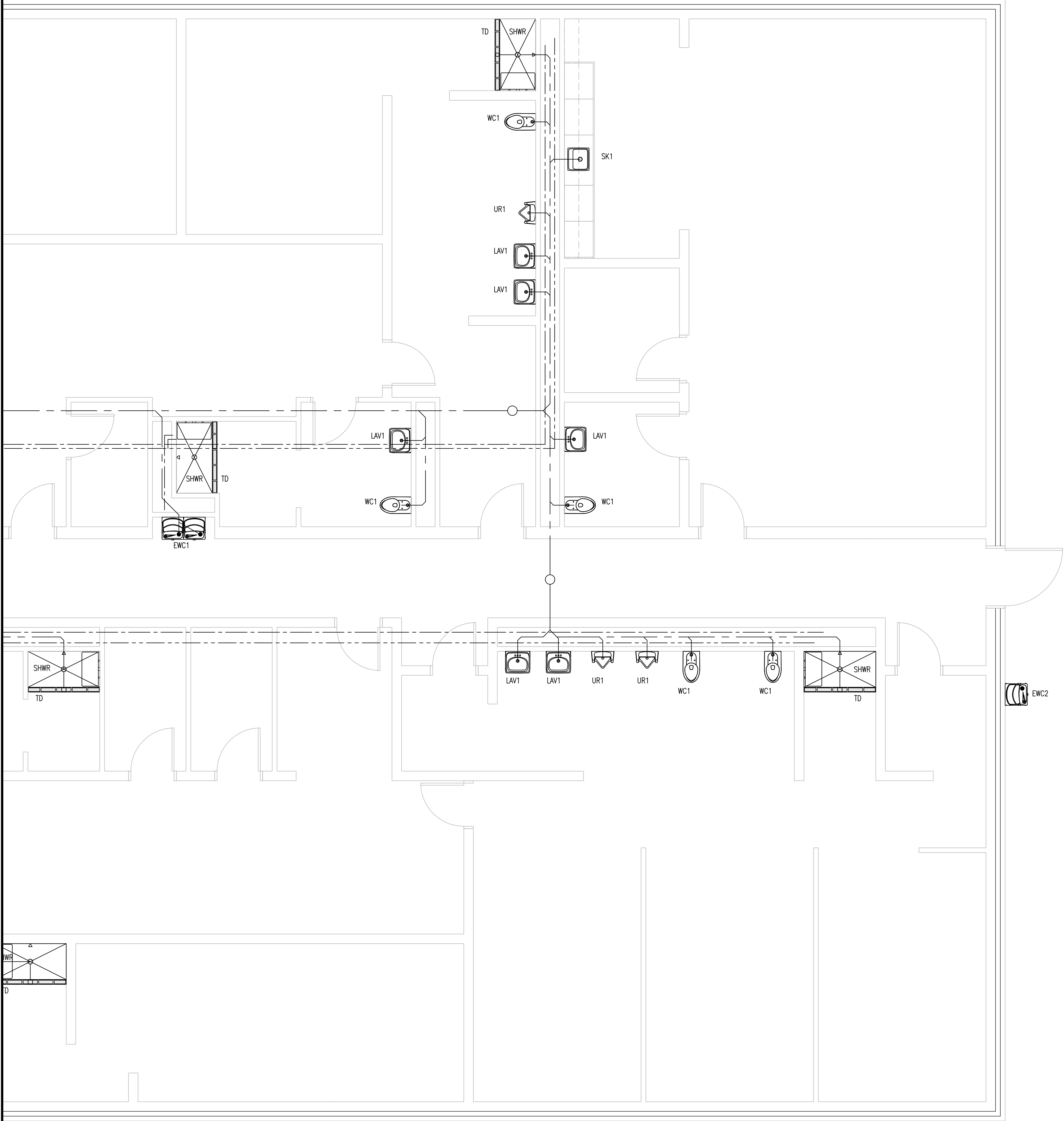
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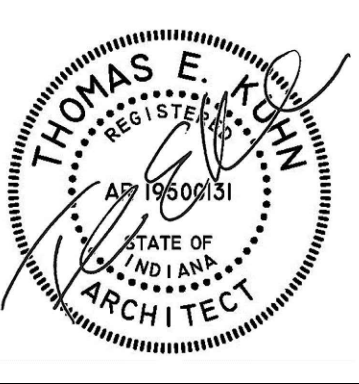
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| PLUMBING FIXTURE SCHEDULE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                         |      |       |        |                                                                                                     |
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| TAG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DESCRIPTION                    | SPECIFICATION                                                                                                                                                                                                                                                                                                                                                                               | PROVIDE THE FOLLOWING SIZE BRANCH TO THE DISTRIBUTION MAIN (UNLESS OTHERWISE SPECIFIED) |      |       |        |                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |                                                                                                                                                                                                                                                                                                                                                                                             | CW                                                                                      | HW   | DRAIN | VENT   | REMARKS                                                                                             |
| WC1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | WALL HUNG WATER CLOSET         | AMERICAN STANDARD "APWALL" #3351, WALL MOUNTED ELONGATED, WHITE VITREOUS CHINA WITH EVERCLEAN, TOILET 1.6 GPF. PROVIDE BOLT CAPS. ZURN FLUSH VALVE MODEL: ZER6003-AV-TM-HET-1.28; PROVIDE LITHIUM BATTERY, BEMIS "OLSONITE" #95SSCT, WHITE, ELONGATED, OPEN FRONT, S.S. EXTERNAL CHECK HINGE. ZURN Z1200 SERIES, ADJUSTABLE CLOSET CARRIER.                                                 | 1"                                                                                      | --   | 4"    | 2"     |                                                                                                     |
| UR1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | URINAL                         | AMERICAN STANDARD "WASHBROOK FLOWISE" #6590, WALL MOUNTED, WHITE VITREOUS CHINA WITH EVERCLEAN, URINAL 1.0 GPF. ZURN FLUSH VALVE MODEL: ZER6003AV-TM-0.125; PROVIDE LITHIUM BATTERY. ZURN Z1221, ADJUSTABLE URINAL CARRIER.                                                                                                                                                                 | 3/4"                                                                                    | --   | 2"    | 2"     |                                                                                                     |
| LAV1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | WALL HUNG LAVATORY             | AMERICAN STANDARD #0355.012 WHITE "LUCERNE" WALL-HUNG LAVATORY. SLOAN FAUCET MODE: EAF350-ISM-0.5; PROVIDE 8" COVER PLATE MODEL ETF-510-A. BRASSCRAFT #KTSOR19X-C 1/2" COMP x 3/8" COMP CHROME 1/4 TURN ANGLE STOPS w/ LOOSE KEY. CAST BRASS "P" TRAP WITH CLEAN OUT. ZURN #Z1231 CONCEALED ARM CARRIER.                                                                                    | 1/2"                                                                                    | 1/2" | 2"    | 1 1/2" | TRUEBRO "LAV GUARD2" ADA-COMPLIANT UNDERSINK PIPE PROTECTION, ANTIMICROBIAL RESILIENT MOLDED VINYL. |
| SK1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SINGLE BOWL SINK               | ELKAY #LR2022 LUSTERTONE CLASSIC STAINLESS STEEL, SINGLE BOWL, SINK w/ REMOVABLE STAINLESS STEEL BASKET STRAINERS, CHICAGO FAUCET #786-245ABCP, GOOSENECK FAUCET, CHROME, WITH POWERS LF6480-10 LAVATORY TEMPERING VALVE, S.S. FLEXIBLE BRAIDED FAUCET WATER CONNECTOR AND BRASSCRAFT #KTSOR19X-C 1/2" COMP x 3/8" COMP CHROME 1/4 TURN ANGLE STOP w/ LOOSE KEY. CAST BRASS "P" TRAP W/ CO. | 1/2"                                                                                    | 1/2" | 2"    | 1 1/2" |                                                                                                     |
| SHWR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SHOWER                         | AMERICAN STANDARD 1662.211 FLOWISE COMMERCIAL SHOWER SYSTEM KIT WITH PRESSURE BALANCING VALVE, 1.5 GPM, HAND SHOWER, METAL HOSE, CAST BRASS VALVE BODY, ADA COMPLIANT, POLISHED CHROME. ZURN #ZN415S -3" CAST IRON FLOOR DRAIN w/ 6" x 6" SQUARE TYPE "S" POLISHED NICKEL BRONZE STRAINER.                                                                                                  | 1/2"                                                                                    | 1/2" | 3"    | 1 1/2" |                                                                                                     |
| IMOB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ICE MAKER OUTLET BOX           | OATEY #39142, SQUARE ICE MAKER OUTLET BOX w/ 1/4 TURN VALVE, WATER HAMMER ARRESTOR, & 6" SS HOSE.                                                                                                                                                                                                                                                                                           | 1/2"                                                                                    | --   | --    | --     |                                                                                                     |
| MB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MOP BASIN                      | MUSTEE #63M 24" x 24" FIBERGLASS MOP SERVICE BASIN w/ 3" DRAIN CONNECTION & #63.403 STAINLESS STEEL BUMPER GUARDS. CHICAGO FAUCET #897-MPRCF, MOP SINK FAUCET, INTEGRAL STOP VALVES, VACUUM BREAKER SPOUT w/ PAIL HOOK & WALL BRACE, 3/4" MALE HOSE THREAD OUTLET. FIAT #632-AA FLEXIBLE HOSE, 3/4" BRASS COUPLING, & STAINLESS STEEL HOSE BRACKET.                                         | 3/4"                                                                                    | 3/4" | 3"    | 1-1/2" |                                                                                                     |
| LTUB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SINGLE COMPARTMENT LAUNDRY TUB | FIAT #SF1W "TUF-TUB" WALL-HUNG SINGLE COMPARTMENT LAUNDRY TUB w/ STEEL WALL BRACKET. FIAT #A-1 LAUNDRY DECK FAUCET w/ SWING SPOUT, AERATOR, HOSE ADAPTOR, AND WRIST BLADE HANDLES. LF6480-10 LAVATORY TEMPERING VALVE. BRASSCRAFT #KTOR19X-C 1/2" COMP x 3/8" COMP CHROME 1/4 TURN ANGLE STOP. CAST BRASS "P" TRAP W/CO.                                                                    | 1/2"                                                                                    | 1/2" | 2"    | 1 1/2" |                                                                                                     |
| EWC1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ELECTRIC WATER COOLER          | ELKAY MODEL: LZSTL8WSSPRO FAMILY - BOTTLE FILLING STATION & BI-LEVEL ADA COOLER W/ FILTER - SSGRAY. PROVIDE WALL CARRIER MLP200                                                                                                                                                                                                                                                             | 1/2"                                                                                    | --   | 2"    | 1-1/2" |                                                                                                     |
| EWC2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EXTERIOR ELECTRIC WATER COOLER | ELKAY "EZHZ0" #EXLMSN-EDFPVMZ14DK WALL MOUNTED BOTTLE FILLING STATION W/ INTEGRAL SOFT SIDES. STAINLESS STEEL. INSTALL AT ADA HEIGHT                                                                                                                                                                                                                                                        | 1/2"                                                                                    | --   | 2"    | 1-1/2" |                                                                                                     |
| FPHB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FROST PROOF HOSE BIB           | WOODFORD MODEL 67-B FREEZELESS WALL FAUCET w/DOUBLE CHECK BACKFLOW PREVENTER & LOOSE KEY, BRONZE FINISH                                                                                                                                                                                                                                                                                     | 3/4"                                                                                    | --   | --    | --     |                                                                                                     |
| HB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | HOSE BIB                       | WOODFORD MODEL 101 ANTI-SIPHON WALL FAUCET                                                                                                                                                                                                                                                                                                                                                  | 3/4"                                                                                    | --   | --    | --     |                                                                                                     |
| TD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TRENCH DRAIN                   | HUBBEL "POLYCAST 700" PRE-SLOPED POLYESTER POLYMER CONCRETE TRENCH DRAIN, HEAVY DUTY GRAY IRON FRAME #DGO700AA w/ EXTRA HEAVY DUTY DUCTILE IRON GRATE #DGO641D & GRATE HOLD-DOWN DEVICE, LOAD CLASS E, CATCH BASIN w/ 6" OUTLET, END CAPS, & INSTALLATION CHAIRS                                                                                                                            | --                                                                                      | --   | 6"    | --     |                                                                                                     |
| FCO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLOOR CLEAN OUT                | ZURN #ZS1400-BP-4 CAST IRON FLOOR CLEAN OUT w/NICKEL BRONZE PLUG & STAINLESS STEEL COVER. PROVIDE SQUARE TOP WHERE INSTALLED IN PORCELAIN / CERAMIC TILE. PROVIDE CARPET MARKER IN AREAS TO RECEIVE CARPET.                                                                                                                                                                                 | --                                                                                      | --   | 4"    | --     |                                                                                                     |
| WH1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | WATER HEATER                   | AO SMITH CONSERVATION 75-GAL POWER DIRECT VENT WATER-HEATER; MODEL: AO-BTF-8Q 310. 76,000 BTU, PVC POWER VENT W/EXPANSION TANK, THERMOSTATIC MIXING VALVE, 28"ø x 2" DRAIN PAN, 3/4" IN LINE CIRCULATING PUMP - BELL & GOSSETT; SERIES 4-60 ECM. (SIZE BY MANUFACTURER FOR APPLICATION) & AQUASTAT AS REQUIRED.                                                                             |                                                                                         |      |       |        |                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                         |      |       |        |                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                         |      |       |        |                                                                                                     |
| NOTES:<br>1. ALL NEW PLUMBING EQUIPMENT SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE.<br>2. PROVIDE TEMPERING MIXING VALVE AT EACH LAVATORY & SINK.<br>3. FOR EACH BRANCH FROM THE MAIN PIPING PROVIDE VALVE AND TAG.<br>4. PROVIDE AIR CHAMBERS AT ALL NEW PLUMBING FIXTURES.<br>5. ALL VENTS TO EXTEND 12" ABOVE THE ROOF LINE AND SHALL BE PROVIDED WITH REGULAR ROOF TERMINATION TO RECEIVE FLASHING AS REQUIRED.<br>6. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION. |                                |                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                         |      |       |        |                                                                                                     |

PARTIAL PLUMBING PLAN  
AREA B

SCALE: 1/4" = 1'-0"



DATE  
10-02-2026

NEW LOCKER ROOM FACILITY & RENOVATIONS TO  
THE EXISTING CONCESSION & TENNIS FACILITY AT  
MERRILLVILLE HIGH SCHOOL  
276 E. 68TH PLACE  
MERRILLVILLE, IN 46410

CSK ARCHITECTS, P.C.

6919 W. LINCOLN HIGHWAY  
219-322-5950  
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SHEET  
A  
1.1.2-A



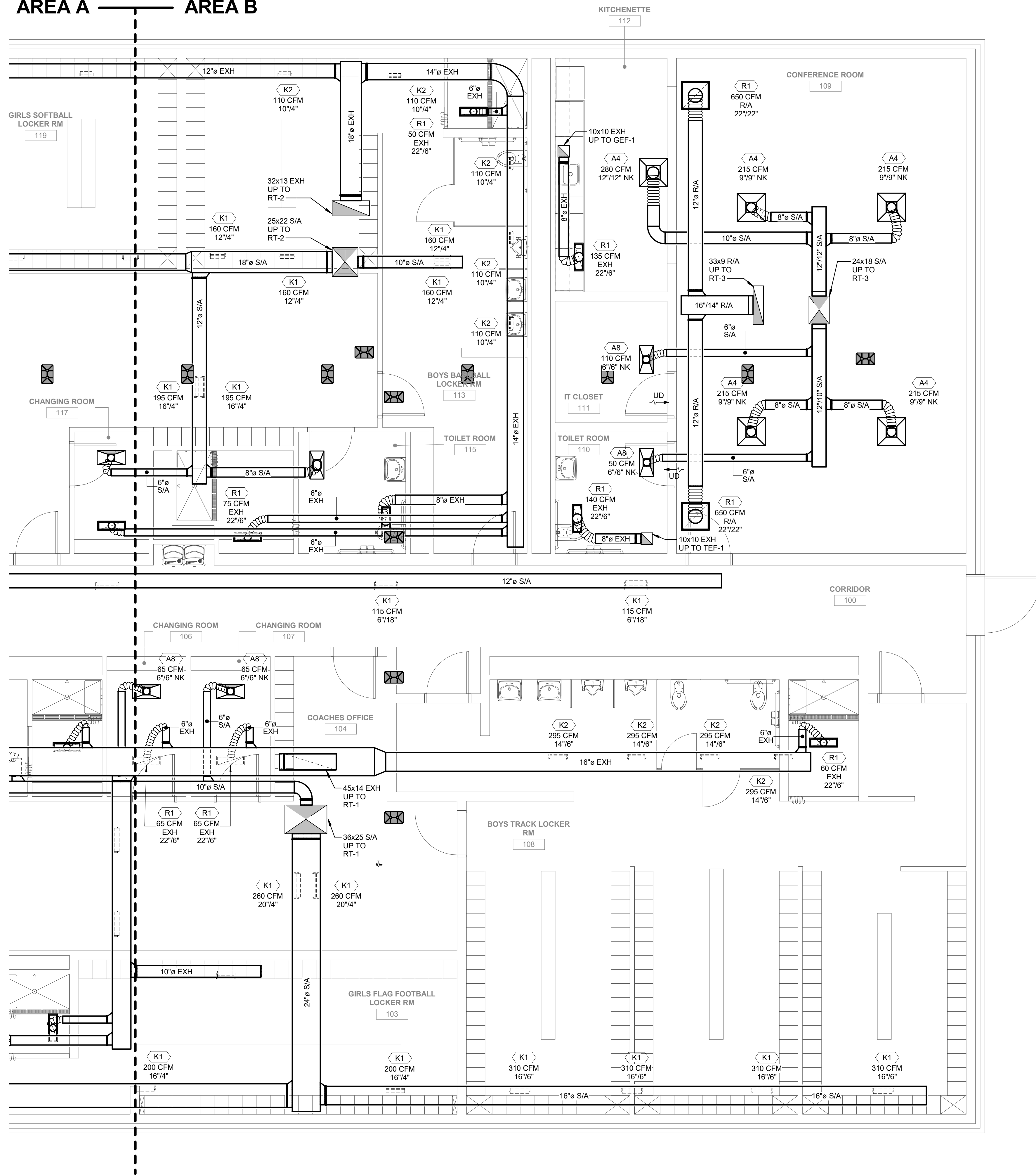
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MERRILLVILLE, IN 46410

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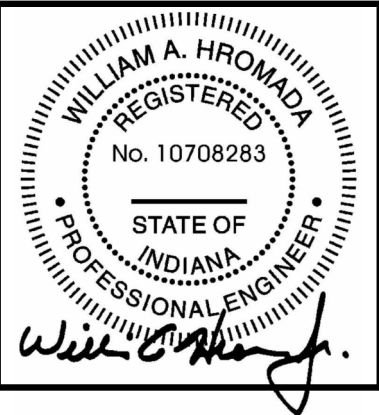
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1.1.0-A

AREA A — AREA B



MECHANICAL HVAC FLOOR PLAN  
LOCKER ROOM FACILITY

SCALE: 1/4" = 1'-0"



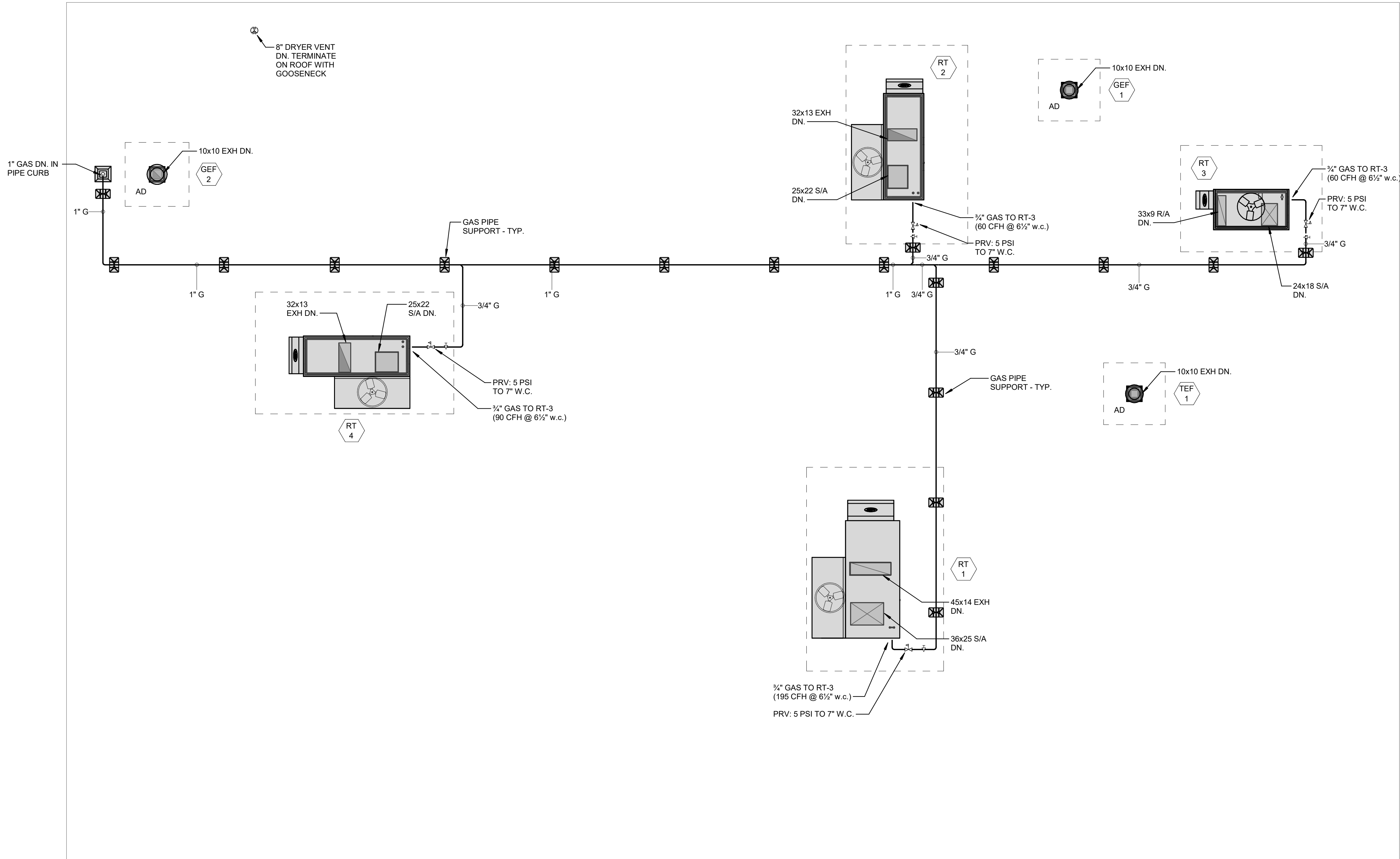
DATE  
10/02/2026

NEW LOCKER ROOM FACILITY & RENOVATION TO  
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MERRILLVILLE, IN 46410



26027

SHEET  
M  
1.2.0-A



MECHANICAL HVAC ROOF PLAN  
LOCKER ROOM FACILITY  
SCALE: 3/16" = 1'-0"



| MECHANICAL EQUIPMENT SCHEDULE |              |           |                                                                      |            |                |      |     |      |    |              |      |      |      |      |                                |       |       |      |      |      |      |                                  |        |          |           |      |                 |        |           |      |           |      |      |       |    |                    |   |          |  |                     |                  |         |
|-------------------------------|--------------|-----------|----------------------------------------------------------------------|------------|----------------|------|-----|------|----|--------------|------|------|------|------|--------------------------------|-------|-------|------|------|------|------|----------------------------------|--------|----------|-----------|------|-----------------|--------|-----------|------|-----------|------|------|-------|----|--------------------|---|----------|--|---------------------|------------------|---------|
|                               |              |           |                                                                      |            | FAN MOTOR DATA |      |     |      |    | EXHAUST FANS |      |      |      |      | DX COOLING EQUIPMENT/COIL DATA |       |       |      |      |      |      | GAS FIRED HEATING EQUIPMENT DATA |        |          |           |      | ELECTRICAL DATA |        |           |      |           |      |      |       |    |                    |   |          |  |                     |                  |         |
| TAG                           | MANUFACTURER | MODEL     | DESCRIPTION                                                          | EFFICIENCY | CFM            | MIN. | ESP | BHP  | HP | RPM          | CFM  | ESP  | BHP  | HP   | RPM                            | MBH   | SHC   | EDB  | EWB  | LDB  | LWB  | CAT                              | STAGES | MBH (IN) | MBH (OUT) | EAT  | LAT             | STAGES | LOAD      |      |           |      | VOLT | PHASE | HZ | DISCONNECT SWITCH: |   | STARTER: |  | UNITS CONTROLLED BY | EQUIPMENT WEIGHT | REMARKS |
|                               |              |           |                                                                      |            |                | OAI  |     |      |    |              |      |      |      |      |                                |       |       |      |      |      |      |                                  |        |          |           |      |                 |        | PROV. BY: |      | PROV. BY: |      |      |       |    |                    |   |          |  |                     |                  |         |
|                               |              |           |                                                                      |            |                | CFM  |     |      |    |              |      |      |      |      |                                |       |       |      |      |      |      |                                  |        |          |           |      |                 |        | M.C.      | E.C. | M.C.      | E.C. |      |       |    |                    |   |          |  |                     |                  |         |
| RT-1                          | AAON         | RNA-009-B | ROOF MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (DOAS w/ ERV)         | 16.56 IEER | 2140           | 2140 | 1   | 1.56 | 2  | 2098         | 2140 | 0.5  | 0.88 | 2    | 1306                           | 162.3 | 94.8  | 79.7 | 65.7 | 54.2 | 51.8 | 95                               | MOD    | 90       | 72.9      | 48.7 | 90.9            | MOD    |           | 45   | 40        | 60   | 208  | 3     | 60 | X                  |   | X        |  | FMS                 | 1895             | NOTE 1  |
| RT-2                          | AAON         | RNA-007-A | ROOF MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (DOAS w/ ERV)         | 14.8 IEER  | 1630           | 1630 | 1   | 1.23 | 2  | 1818         | 1630 | 0.5  | 0.59 | 1    | 1449                           | 121.8 | 70.9  | 79.9 | 65.9 | 55   | 52.2 | 95                               | MOD    | 90       | 48.6      | 52.5 | 87.8            | MOD    |           | 33   | 28        | 50   | 208  | 3     | 60 | X                  |   | X        |  | FMS                 | 1125             | NOTE 2  |
| RT-3                          | AAON         | RQA-005-A | ROOF MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (SZVAV)               | 13.4 SEER2 | 1300           | 325  | 1   | 1.12 | 2  | 1620         | 1300 | 0.5  |      |      |                                | 56.4  | 38.7  | 79   | 65.6 | 52.9 | 51.2 | 95                               | MOD    | 60       | 48.6      | 52.5 | 87.8            | MOD    |           | 45   | 40        | 60   | 208  | 3     | 60 | X                  |   | X        |  | FMS                 | 1880             | NOTE 1  |
| RT-4                          | AAON         | RNA-006-A | ROOF MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (DOAS w/ ERV)         | 14.8 IEER  | 1370           | 1370 | 1   | 1.07 | 2  | 1759         | 1370 | 0.5  | 0.41 | 1    | 1296                           | 106   | 61.5  | 79.3 | 65.4 | 53.6 | 51.1 | 95                               | MOD    | 90       | 72.9      | 51.2 | 101.4           | MOD    |           | 91   | 85        | 110  | 240  | 1     | 60 | X                  |   | X        |  | FMS                 | 3010             | NOTE 1  |
| RT-5                          | AAON         | RNA-011-B | GRADE MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (DOAS w/ ERV)        | 18.33 IEER | 2920           | 2920 | 1   | 2.28 | 3  | 1812         | 2920 | 0.25 | 0.93 | 2    | 1174                           | 204   | 123.9 | 81.8 | 67.1 | 55.9 | 54   | 95                               | MOD    | 195      | 158       | 40.5 | 91.6            | MOD    |           | 1.6  | 1.3       | 15   | 120  | 1     | 60 |                    | X | X        |  | WALL MTD TSTAT      | 65               | NOTE 3  |
| UH-1                          | REZNOR       | UDXC-45   | SUSPENDED GAS FIRED UNIT HEATER                                      |            | 630            |      | 0.1 |      |    |              |      |      |      |      |                                |       |       |      |      |      |      |                                  |        | 45       | 26.1      | 40   | 95              | 1      |           |      | 2.4       |      | 120  | 1     | 60 | X                  |   | X        |  |                     |                  |         |
| GEF-1                         | GREENHECK    | G-070-E   | ROOF MOUNTED GENERAL EXHAUST FAN - 112 KITCHENETTE                   |            |                |      |     |      |    |              | 135  | 0.35 | 0.02 | 1/15 | 1451                           |       |       |      |      |      |      |                                  |        |          |           |      |                 |        |           | 1.6  | 1.3       | 15   | 120  | 1     | 60 |                    | X | X        |  | WALL SWITCH         | 36               | NOTE 4  |
| GEF-2                         | GREENHECK    | G-080-E   | ROOF MOUNTED GENERAL EXHAUST FAN - 122 MAINTENANCE & MECHANICAL ROOM |            |                |      |     |      |    |              | 300  | 0.3  | 0.04 | 1/10 | 1437                           |       |       |      |      |      |      |                                  |        |          |           |      |                 |        |           | 1.6  | 1.3       | 15   | 120  | 1     | 60 |                    | X | X        |  | CO SENSOR           | 40               | NOTE 4  |
| TEF-1                         | GREENHECK    | G-070-E   | ROOF MOUNTED TOILET EXHAUST FAN                                      |            |                |      |     |      |    |              | 140  | 0.35 | 0.02 | 1/15 | 1457                           |       |       |      |      |      |      |                                  |        |          |           |      |                 |        |           | 1.6  | 1.3       | 15   | 120  | 1     | 60 |                    | X | X        |  | WALL SWITCH         | 36               | NOTE 4  |

- NOTE 1:  
PROVIDE WITH:

  - DX COOLING CAPACITIES INDICATED BASED ON A TOTAL EQUIVALENT COOLING FROM A COMBINATION OF DX SECTION & ERV COOLING
  - INTEGRATED ECONOMIZER WITH DIFFERENTIAL ENTHALPY SENSORS
  - FEEDBACK SIGNAL w/ IECC 2015 COMPLIANT LOW LEAK ECONOMIZER DAMPER
  - DIGITAL SCROLL (LEAD ONLY) OR VARIABLE SPEED COMPRESSORS
  - S/A & POW EXH DIRECT DRIVE FANS W/VFD, NON-FUSED DISCONNECT SWITCH
  - SHORT CIRCUIT RATING XX K
  - BACnet INTEGRATION CARD
  - PHASE & BROWN-OUT PROTECTION
  - HINGED ACCESS DOORS
  - VIBRATION ISOLATION CURB w/ HUSHCORE DECK DS-53 ACOUSTICAL TREATMENT.
  - POWERED EXHAUST FAN W/BLDG PRESSURIZATION CONTROL.
  - MODULATING HOT GAS REHEAT AND DEHUMIDIFICATION CONTROLS
  - ENERGY RECOVERY WHEEL w/DEFROST & ECONOMIZER BYPASS - SEE HEAT RECOVERY SCHEDULE
  - STAINLESS STEEL HEAT EXCHANGER
  - MODULATING GAS w/HIGH TURNDOWN (SEE SCHEDULE
  - FLUE DEFLECTOR
  - METAL MESH OUTSIDE AIR INTAKE HOOD FILTER
  - CONDENSER FAN w/VFD w/HEAD PRESSURE CONTROL & SITE GLASS
  - HAIL CONDENSER COIL GUARD PROTECTION
  - FILTERS: ERV(OAI) - 2" 30%, ERV(EXH) - 2" 30%, EVAPORATOR - 4" MERV 13

SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- NOTE 2:  
PROVIDE WITH:

  - INTEGRATED ECONOMIZER WITH DIFFERENTIAL ENTHALPY SENSORS
  - FEEDBACK SIGNAL w/ IECC 2015 COMPLIANT LOW LEAK ECONOMIZER DAMPER.
  - DIGITAL SCROLL (LEAD ONLY) OR VARIABLE SPEED COMPRESSORS
  - S/A & POW EXH DIRECT DRIVE FANS W/VFD, NON-FUSED DISCONNECT SWITCH
  - SHORT CIRCUIT RATING XX K
  - BACnet INTEGRATION CARD
  - PHASE & BROWN-OUT PROTECTION
  - HINGED ACCESS DOORS
  - VIBRATION ISOLATION CURB w/ HUSHCORE DECK DS-53 ACOUSTICAL TREATMENT.
  - MODULATING HOT GAS REHEAT AND DEHUMIDIFICATION CONTROLS
  - STAINLESS STEEL HEAT EXCHANGER
  - MODULATING GAS w/HIGH TURNDOWN (10:1 MIN
  - FLUE DEFLECTOR
  - METAL MESH OUTSIDE AIR INTAKE HOOD FILTER
  - CONDENSER FAN w/VFD FOR HEAD PRESSURE CONTROL
  - SITE GLASS
  - SINGLE ZONE VAV HEATING & COOLING
  - HAIL CONDENSER COIL GUARD PROTECTION
  - SUPPLY FAN MINIMUM SPEED: 30%
  - COOLING-50% VENTILATION-70% HEATING FILTERS: 4" MERV 13 & 2" MERV 8

SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- NOTE 3:  
PROVIDE WITH:

  - VIBRATION ISOLATION HANGERS
  - CONCENTRIC VENT KIT.

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

NOTE 4:  
PROVIDE WITH:

  - DISCONNECT SWITCH
  - ECM MOTOR WITH POTENTIOMETER
  - SPEED CONTROLLER
  - MOTORIZED DAMPER
  - BIRD SCREEN

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

| HEAT RECOVERY SCHEDULE |             |             |                  |      |        |      |            |        |    |        |             |        |      |        |             |      |        |      |                         |    |     |        |      |         |        |      |      |  |
|------------------------|-------------|-------------|------------------|------|--------|------|------------|--------|----|--------|-------------|--------|------|--------|-------------|------|--------|------|-------------------------|----|-----|--------|------|---------|--------|------|------|--|
| UNIT TAG               | ERV         |             | MIXED SUPPLY AIR |      |        |      | RETURN AIR |        |    |        | EXHAUST AIR |        |      |        | OUTSIDE AIR |      |        |      | HEAT RECOVERY DISCHARGE |    |     |        |      | REMARKS |        |      |      |  |
|                        | COOLING MBH | HEATING MBH | SUMMER           |      | WINTER |      | CFM        | SUMMER |    | WINTER |             | SUMMER |      | WINTER |             | CFM  | SUMMER |      | WINTER                  |    | CFM | SUMMER |      |         | WINTER |      |      |  |
|                        |             |             | DB               | WB   | DB     | WB   |            | DB     | WB | DB     | WB          | DB     | WB   | DB     | WB          |      | DB     | WB   | DB                      | WB |     |        |      |         |        |      |      |  |
|                        |             |             |                  |      |        |      |            |        |    |        |             |        |      |        |             |      |        |      |                         |    |     |        |      |         |        |      |      |  |
| RT-1                   | 73.3        | 169.2       | 2140             | 79.7 | 65.7   | 49.8 | 40.9       | 0      | 75 | 62     | 70          | 53     | 2210 | 90.2   | 71.9        | 9.3  | 9.3    | 2210 | 95                      | 75 | -10 | -11    | 2140 | 79.7    | 65.7   | 49.8 | 40.9 |  |
| RT-2                   | 54.5        | 126.2       | 1630             | 79.9 | 65.9   | 48.7 | 40.1       | 0      | 75 | 62     | 70          | 53     | 1665 | 89.9   | 71.7        | 10.5 | 10.4   | 1665 | 95                      | 75 | -10 | -11    | 1630 | 79.9    | 65.9   | 48.7 | 40.1 |  |
| RT-4                   | 47.7        | 109.6       | 1370             | 79.3 | 65.4   | 51.2 | 41.9       | 0      | 75 | 62     | 70          | 53     | 1400 | 90.5   | 72.1        | 8.1  | 8      | 1400 | 95                      | 75 | -10 | -11    | 1370 | 79.3    | 65.4   | 51.2 | 41.9 |  |
| RT-5                   | 85.3        | 197.6       | 2920             | 81.8 | 67.1   | 40.5 | 34.7       | 0      | 75 | 62     | 70          | 53     | 2915 | 88     | 70.6        | 17.5 | 17.5   | 2915 | 95                      | 75 | -10 | -11    | 2920 | 81.8    | 67.1   | 40.5 | 34.7 |  |

| MECHANICAL EQUIPMENT SCHEDULE - ELECTRIC HEAT                                                                         |              |           |                                         |                                                                                                                       |      |                                   |     |     |       |      |                 |     |      |      |       |     |                    |      |          |      |                     |                  |         |                |    |         |
|-----------------------------------------------------------------------------------------------------------------------|--------------|-----------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------|-----------------------------------|-----|-----|-------|------|-----------------|-----|------|------|-------|-----|--------------------|------|----------|------|---------------------|------------------|---------|----------------|----|---------|
| TAG                                                                                                                   | MANUFACTURER | MODEL     | DESCRIPTION                             | FAN DATA                                                                                                              |      | ELECTRIC HEATING EQUIP./COIL DATA |     |     |       |      | ELECTRICAL DATA |     |      |      |       |     |                    |      |          |      | UNITS CONTROLLED BY | EQUIPMENT WEIGHT | REMARKS |                |    |         |
|                                                                                                                       |              |           |                                         | S/A CFM                                                                                                               | MBH  | KW                                | EAT | LAT | STEPS | LOAD |                 |     |      | VOLT | PHASE | HZ  | DISCONNECT SWITCH: |      | STARTER: |      |                     |                  |         |                |    |         |
|                                                                                                                       |              |           |                                         |                                                                                                                       |      |                                   |     |     |       | HP   | MCA             | FLA | MOCP |      |       |     | M.C.               | E.C. | TYPE     | M.C. |                     |                  |         | PROV. BY:      |    |         |
|                                                                                                                       |              |           |                                         |                                                                                                                       |      |                                   |     |     |       |      |                 |     |      |      |       |     |                    |      |          |      |                     |                  |         | E.C.           |    |         |
| ECH-1                                                                                                                 | QMARK        | CDF-542   | RECESSED CEILING MOUNTED CABINET HEATER | 300                                                                                                                   | 13.7 | 4                                 |     |     |       | 1    |                 |     |      | 16.7 |       | 240 | 1                  | 60   | X        |      |                     | X                |         | WALL MTD TSTAT | 30 | NOTE 1. |
| EUH-1                                                                                                                 | QMARK        | MUH047225 | SUSPENDED ELECTRIC UNIT HEATER          | 350                                                                                                                   | 17   | 5                                 |     |     |       | 2    |                 |     |      | 18   |       | 240 | 1                  | 60   | X        |      |                     | X                |         | WALL MTD TSTAT | 30 | NOTE 2. |
| NOTE 1:<br>PROVIDE WITH:<br>• INTEGRAL TSTAT<br>• DISCONNECT SWITCH<br>SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. |              |           |                                         | NOTE 2:<br>PROVIDE WITH:<br>• WALL MTD TSTAT<br>• DISCONNECT SWITCH<br>SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. |      |                                   |     |     |       |      |                 |     |      |      |       |     |                    |      |          |      |                     |                  |         |                |    |         |

| GAS CONNECTION SCHEDULE |          |                                                              |                                     |                   |                |
|-------------------------|----------|--------------------------------------------------------------|-------------------------------------|-------------------|----------------|
| TAG                     | QUANTITY | DESCRIPTION                                                  | LOCATION                            | CAPACITY PER UNIT | TOTAL CAPACITY |
|                         | 1        | GRADE MOUNTED GENERATOR                                      | GRADE                               | 0                 | 0              |
| RT-1                    | 1        | ROOF MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (DOAS w/ ERV) | ROOF                                | 195               | 195            |
| RT-2                    | 1        | ROOF MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (DOAS w/ ERV) | ROOF                                | 90                | 90             |
| RT-3                    | 1        | ROOF MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (SZVAV)       | ROOF                                | 60                | 60             |
| RT-4                    | 1        | ROOF MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (DOAS w/ ERV) | ROOF                                | 90                | 90             |
| UH-1                    | 1        | SUSPENDED GAS FIRED UNIT HEATER                              | 122 - MAINTENANCE & MECHANICAL ROOM | 45                | 45             |
| TOTAL @ 5 PSI:          |          |                                                              |                                     |                   | 480            |

| GAS CONNECTION SCHEDULE - EXISTING BUILDING |          |                                                               |          |                   |                |
|---------------------------------------------|----------|---------------------------------------------------------------|----------|-------------------|----------------|
| TAG                                         | QUANTITY | DESCRIPTION                                                   | LOCATION | CAPACITY PER UNIT | TOTAL CAPACITY |
|                                             | 1        | GRADE MOUNTED GENERATOR                                       | GRADE    | 0                 | 0              |
| RT-5                                        | 1        | GRADE MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (DOAS w/ ERV) | GRADE    | 195               | 195            |
| TOTAL @ 5 PSI:                              |          |                                                               |          |                   | 195            |

| GRILLE, REGISTER, & DIFFUSER SCHEDULE |              |       |                         |                   |                      |           |                                               |
|---------------------------------------|--------------|-------|-------------------------|-------------------|----------------------|-----------|-----------------------------------------------|
| TAG                                   | MANUFACTURER | MODEL | DESCRIPTION             | AIR PATTERN       | MOUNTING             | SIZE      | REMARKS                                       |
| A2                                    | NAILOR       | 6500  | SUPPLY CEILING DIFFUSER | 2-WAY             | 2' x 2' LAY-IN PANEL | SEE PLANS | -                                             |
| A4                                    | NAILOR       | 6500  | SUPPLY CEILING DIFFUSER | 4-WAY             | 2' x 2' LAY-IN PANEL | SEE PLANS | -                                             |
| A5                                    | NAILOR       | 6500  | SUPPLY CEILING DIFFUSER | 2-WAY CORNER      | 2' x 2' LAY-IN PANEL | SEE PLANS | -                                             |
| A8                                    | NAILOR       | 6500  | SUPPLY CEILING DIFFUSER | 3-WAY             | 2' x 1' LAY-IN PANEL | SEE PLANS | -                                             |
| B3                                    | NAILOR       | 6500  | SUPPLY CEILING DIFFUSER | 3-WAY             | SURFACE-MOUNTED      | SEE PLANS | -                                             |
| E2                                    | NAILOR       | 61DH  | SUPPLY REGISTER         | DOUBLE DEFLECTION | SURFACE-MOUNTED      | SEE PLANS | HORIZONTAL FRONT BARS, VERTICAL BACK BARS     |
| K1                                    | NAILOR       | 61DHC | SUPPLY REGISTER         | DOUBLE DEFLECTION | DUCT-MOUNTED         | SEE PLANS | PROVIDE W/ MILL FINISH, ALUMINUM CONSTRUCTION |
| K2                                    | NAILOR       | 61DHC | SUPPLY REGISTER         | DOUBLE DEFLECTION | DUCT-MOUNTED         | SEE PLANS | PROVIDE W/ MILL FINISH, ALUMINUM CONSTRUCTION |
| R1                                    | NAILOR       | 6145H | RETURN/EXHAUST REGISTER | LOUVERED GRILLE   | LAY-IN PANEL         | SEE PLANS | ALUMINUM CONSTRUCTION                         |
| R2                                    | NAILOR       | 6145H | RETURN/EXHAUST REGISTER | LOUVERED GRILLE   | SURFACE-MOUNTED      | SEE PLANS | ALUMINUM CONSTRUCTION                         |



DATE  
10/02/2026

NEW LOCKER ROOM FACILITY & RENOVATION TO  
THE EXISTING RESTROOM FACILITY AT  
MERRILLVILLE HIGH SCHOOL  
276 E. 68TH PLACE  
MERRILLVILLE, IN 46410



26027

SHEET  
M  
2.1.0

SYMBOL LIST

| SYMBOL | DESCRIPTION                                               |
|--------|-----------------------------------------------------------|
|        | SQUARE TO ROUND TRANSITION                                |
|        | NEW DUCTWORK                                              |
|        | DUCT TRANSITION                                           |
|        | FLEXIBLE DUCTWORK                                         |
|        | SUPPLY OR OUTSIDE AIR DUCT DOWN                           |
|        | SUPPLY OR OUTSIDE AIR DUCT UP                             |
|        | RETURN OR EXHAUST OR RELIEF DUCT DOWN                     |
|        | RETURN OR EXHAUST OR RELIEF DUCT UP                       |
|        | RETURN OR EXHAUST REGISTER                                |
|        | SUPPLY AIR DIFFUSER                                       |
|        | SUPPLY AIR DIFFUSER<br>(SHADING INDICATES BLANK-OFF SIDE) |
|        | AUTOMATIC (MOTORIZED) DAMPER                              |
|        | FIRE DAMPER                                               |
|        | SEE SCHEDULES                                             |
|        | SHEET NOTE                                                |
|        | DUCT SMOKE DETECTORS                                      |
|        | NON ADJUSTABLE THERMOSTAT                                 |
|        | HUMIDISTAT                                                |
|        | THERMOSTAT - ADJUSTABLE                                   |
|        | THERMOSTAT w/WIREMOLD                                     |
|        | REVERSE ACTING THERMOSTAT                                 |
|        | THERMOSTAT w/ COVER GUARD                                 |
|        | GAS PIPING                                                |
|        | REFRIGERANT PIPE                                          |
|        | PIPING SLOPED DOWN                                        |
|        | PIPE TURNED UP                                            |
|        | PIPE TURNED DOWN                                          |
|        | GAS METER                                                 |
|        | SHUT-OFF VALVE                                            |
|        | GAS COCK                                                  |
|        | PRESSURE REDUCING VALVE                                   |

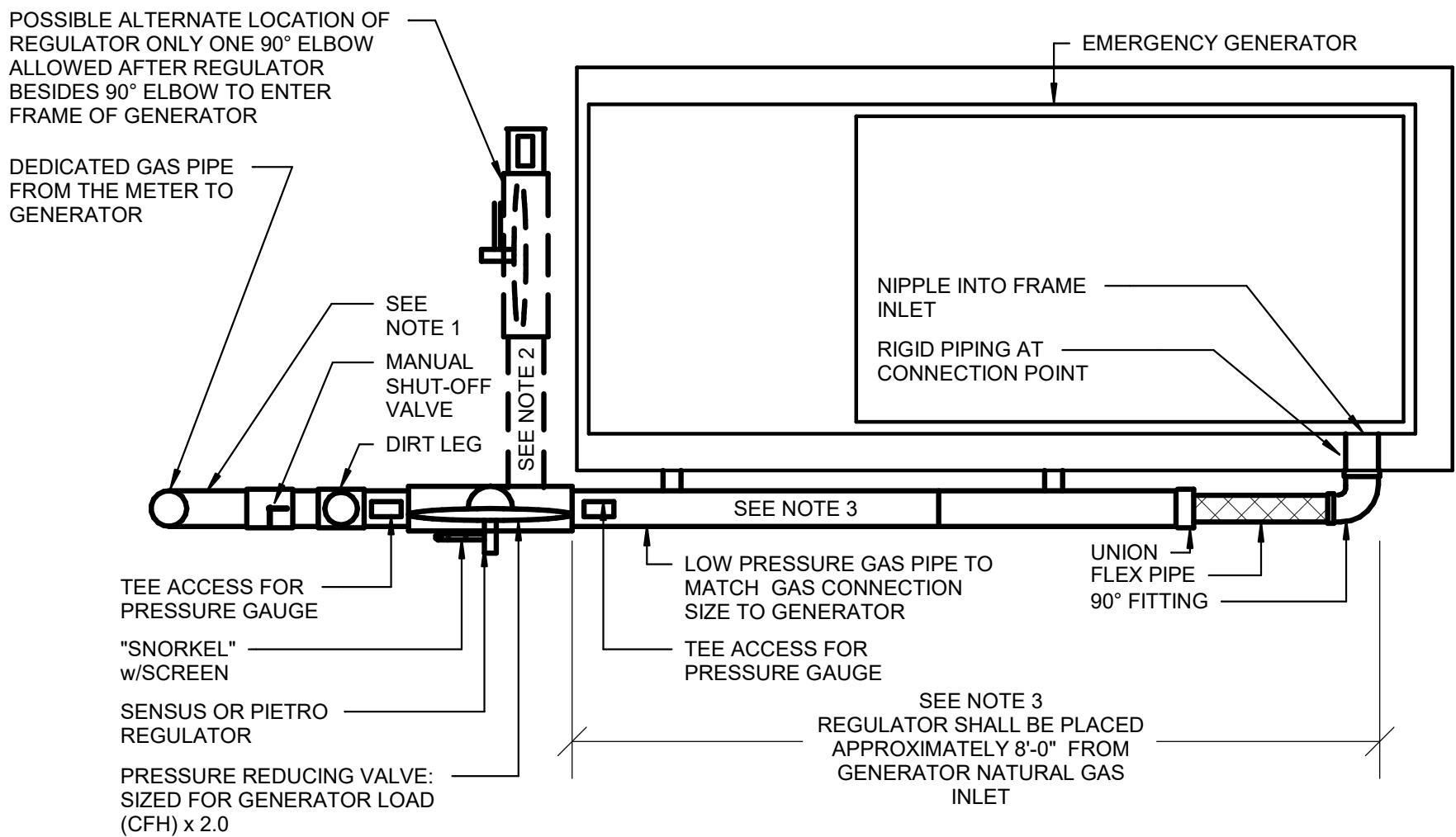
ABBREVIATIONS LIST

|      |                               |
|------|-------------------------------|
| AD   | AUTOMATIC (MOTORIZED) DAMPER  |
| AC   | AIR CONDITIONING              |
| AFF  | ABOVE FINISHED FLOOR          |
| AL   | ALUMINUM                      |
| BJA  | BETWEEN JOIST ABOVE           |
| CAI  | COMBUSTION AIR INTAKE         |
| CAT  | CONDENSING AIR TEMPERATURE    |
| CD   | CONDENSATE DRAIN              |
| CFH  | CUBIC FEET PER HOUR           |
| CFM  | CUBIC FEET PER MINUTE         |
| CH   | CABINET HEATER                |
| CTE  | CONNECT TO EXISTING           |
| DN   | DOWN                          |
| DOAS | DEDICATED OUTSIDE AIR SYSTEM  |
| DS   | DISCONNECT SWITCH             |
| DX   | DIRECT EXPANSION              |
| EAT  | ENTERING AIR TEMPERATURE      |
| EC   | ELECTRICAL CONTRACTOR         |
| EDB  | ENTERING DRY BULB TEMPERATURE |
| ERV  | ENERGY RECOVERY VENTILATOR    |
| ESP  | EXTERNAL STATIC PRESSURE      |
| EWB  | ENTERING WET BULB TEMPERATURE |
| EX   | EXISTING                      |
| EXH  | EXHAUST                       |
| F    | FURNACE                       |
| FC   | FLEXIBLE CONNECTION           |
| FD   | FIRE DAMPER                   |
| FPM  | FEET PER MINUTE               |
| FMS  | FACILITY MANAGEMENT SYSTEM    |
| G    | NATURAL GAS                   |
| GEF  | GENERAL EXHAUST FAN           |
| GPM  | GALLONS PER MINUTE            |
| HP   | HORSE POWER                   |
| HZ   | HERTZ                         |
| LAT  | LEAVING AIR TEMPERATURE       |
| LDB  | LEAVING DRY BULB TEMPERATURE  |
| LV   | LOUVER                        |
| LWB  | LEAVING WET BULB TEMPERATURE  |
| MBH  | 1,000 BTU/HOUR                |
| MC   | MECHANICAL CONTRACTOR         |
| MD   | MANUAL DAMPER                 |
| MOD  | MODULATING                    |
| NK   | NECK                          |
| NO   | NORMALLY OPEN                 |
| NTS  | NOT TO SCALE                  |
| O/A  | OUTSIDE AIR                   |
| OAI  | OUTSIDE AIR INTAKE            |
| OBD  | OPPOSED BLADE DAMPER          |
| PC   | PLUMBING CONTRACTOR           |
| PRV  | PRESSURE REDUCING VALVE       |
| PS   | PRESSURE SENSOR               |
| R/A  | RETURN AIR                    |
| RPM  | REVOLUTIONS PER MINUTE        |
| RT   | ROOFTOP UNIT                  |
| S/A  | SUPPLY AIR                    |
| SHC  | SENSIBLE HEAT CAPACITY        |
| T/A  | TRANSFER AIR                  |
| TC   | TEMPERATURE CONTROL           |
| TEF  | TOILET EXHAUST FAN            |
| TJA  | THRU JOIST ABOVE              |
| TSP  | TOTAL STATIC PRESSURE         |
| TYP  | TYPICAL                       |
| UD   | UNDERCUT DOOR                 |
| UH   | UNIT HEATER                   |
| V    | VENT                          |
| VC   | VENT CONNECTOR                |
| WC   | WATER COLUMN                  |

GENERAL NOTES

- A. WORK SHALL COMPLY WITH LOCAL, MUNICIPAL, AND STATE HVAC CODES AND LIFE SAFETY CODE FOR SCHOOLS.
- B. COMMISSIONING: THE OWNER WILL HIRE A COMMISSIONING AGENCY (CXA) TO COMMISSION THE MECHANICAL SYSTEMS FOR THIS PROJECT. THE CXA WILL DEVELOP A COMMISSIONING PLAN THAT WILL OUTLINE THE REQUIREMENTS AND PROCEDURES FOR EACH COMMISSIONED SYSTEM AND WILL BE RESPONSIBLE THAT THE COMMISSIONING MEETS THE REQUIREMENTS OF THE CURRENT ENERGY CODE. THE COMMISSIONING PLAN WILL BE DEVELOPED AFTER CONTRACTS HAVE BEEN AWARDED AND PRIOR TO COMPLETION OF THE SYSTEMS TO BE COMMISSIONED.
- C. THE SCOPE OF WORK SPECIFIED HEREIN AND IN THE SPECIFICATIONS SHALL BE PERFORMED UNDER THE DIRECTION OF A CONSTRUCTION MANAGER. REFER TO THE CONSTRUCTION MANAGER'S INSTRUCTIONS AND DIRECTIONS FOR DETAILS RELATING TO THE EXACT SCOPE OF EACH TRADE. ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND CONSTRUCTION MANAGER'S DIRECTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR CLARIFICATION. THE ARCHITECT/ENGINEER'S DECISION SHALL BE FINAL.
- D. LAYOUT IS DIAGRAMMATIC AND CONTRACTOR SHALL INSTALL DUCTWORK, PIPING AND EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS. REVIEW PROJECT SPECIFICATIONS BEFORE STARTING ANY WORK. SUBMIT SHOP DRAWINGS OF WORK AS PER SPECIFICATIONS.
- E. LAYOUT WORK TO AVOID CONFLICTS BETWEEN DUCTWORK, LIGHTING, CEILINGS, PIPING AND BUILDING STRUCTURE.
- F. COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS (VOLTAGES, PHASE, LOAD, ETC.) BEFORE ORDERING ANY EQUIPMENT.
- G. COORDINATE EXACT LOCATION OF CEILING REGISTERS, GRILLES AND DIFFUSERS WITH LIGHTING LAYOUT, SPRINKLER HEADS, AND CEILING GRID. SEE ARCHITECTURAL REFLECTED CEILING PLAN. VERIFY EXACT LOCATION IN FIELD PRIOR TO INSTALLATION. VERIFY CEILING STYLES AND TYPES BEFORE ORDERING REGISTERS, GRILLES AND DIFFUSERS. PROVIDE APPROPRIATE FRAME STYLES AS REQUIRED TO MATCH CEILING STYLE AND TYPES. SET ADJUSTABLE BLADES AS REQUIRED FOR OPTIMUM AIR PATTERN AND TO PREVENT DRAFTS. THE MINIMUM DISTANCE BETWEEN SUPPLY DIFFUSERS/REGISTERS AND SMOKE OR HEAT DETECTORS IS TO BE A MINIMUM OF 3'. COORDINATE WITH FIRE ALARM SYSTEM AS REQUIRED.
- H. ROUTE DUCTWORK AS HIGH AS POSSIBLE TO AVOID CONFLICTS WITH OTHER TRADES. ROUTE DUCTWORK BETWEEN AND THROUGH JOIST SPACES AND BETWEEN LIGHT FIXTURES AS REQUIRED. VERIFY CONDITIONS AND DUCTWORK ROUTING IN FIELD PRIOR TO INSTALLATION.
- I. DUCTWORK, PIPING, EQUIPMENT, ETC. SHALL NOT BE SUPPORTED FROM THE BOTTOM CHORD OF ENGINEERED JOISTS WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- J. FLEXIBLE DUCTWORK SHALL BE UL LABELED FOR USE IN RETURN AIR PLENUM. ACOUSTICAL FLEXIBLE DUCTWORK AT THE INLET TO AIR DIFFUSERS MAY BE USED. FLEXIBLE CONNECTIONS SHALL BE 5'-0" MAXIMUM LENGTH, AND SHALL BE SUPPORTED WHERE REQUIRED TO PREVENT MOVEMENT.
- K. PROVIDE MANUAL BALANCING DAMPERS AT EACH LOW PRESSURE SUPPLY AIR, RETURN AIR AND EXHAUST DUCTWORK TAKE-OFF INCLUDING TAKEOFFS TO EACH AIR DISTRIBUTION DEVICE. DAMPERS SHALL HAVE LOCKING QUADRANT REGULATORS WITH SPRING LOADED END BEARING. INSTALLATION SHALL BE RATTLE FREE. BE RESPONSIBLE FOR LOCATING BALANCING DEVICES AND COORDINATE LOCATIONS FOR TESTING AND BALANCING.
- L. VERIFY EXACT THERMOSTAT AND SENSOR LOCATIONS IN FIELD PRIOR TO ROUGH-IN OR INSTALLATION. CONTROL WIRING TO BE ROUTED IN CONDUIT.
- M. PROVIDE AGA APPROVED GAS REGULATOR AT EQUIPMENT REQUIRING LOWER GAS PRESSURE THAN PROVIDED, INCLUDING PIPING BRANCHES SERVING EXISTING EQUIPMENT AND APPLIANCES TO REMAIN. EXTEND GAS REGULATOR VENTS LINE SIZE TO ATMOSPHERE AS REQUIRED. DO NOT COMBINE VENT LINES.
- N. COORDINATE PHASING OF WORK AND PROVIDE TEMPORARY EQUIPMENT, DUCTWORK AND PIPING AS REQUIRED FOR THE IMPLEMENTATION OF WORK WHILE MAINTAINING SERVICES TO PORTIONS OF BUILDING TO REMAIN OCCUPIED.
- O. SCHEDULE WORK TO AVOID DOWNTIME AND INCONVENIENCE TO OWNER. OWNER'S EXISTING FACILITY SHALL REMAIN IN OPERATION AT ALL TIMES. REQUIRED SHUTDOWN OF EXISTING UTILITIES SHALL BE SCHEDULED WITH OWNER'S OPERATING PERSONNEL. NOTIFY OWNER'S REPRESENTATIVE 48 HOURS IN ADVANCE PRIOR TO ANY SHUTDOWN OF EXISTING MECHANICAL SYSTEMS.
- P. VISIT SITE PRIOR TO BIDDING TO FULLY DETERMINE FIELD CONDITIONS AND TO VERIFY EXISTING MECHANICAL SYSTEMS INCLUDING QUANTITIES AND LOCATIONS TO DETERMINE THE FULL EXTENT OF NEW AND DEMOLITION WORK.
- Q. COORDINATE NEW INSTALLATIONS WITH EXISTING SYSTEMS. ANY EXISTING CONDUIT, PIPING, DUCTWORK, EQUIPMENT, ETC., SHALL BE REWORKED AS REQUIRED TO AVOID CONFLICTS WITH THE INSTALLATION OF THE NEW MECHANICAL SYSTEMS. NO EXTRAS WILL BE ALLOWED AFTER BIDDING FOR ANY REWORK OF EXISTING FIELD CONDITIONS TO RESOLVE ANY CONFLICTS OR NOT FULLY UNDERSTANDING THE SCOPE OF THE WORK REQUIRED. EXISTING EQUIPMENT, DUCTWORK, PIPING, ETC., SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET SCOPE OF NEW WORK.
- R. EXISTING INFORMATION IDENTIFIED ON THE CONTRACT DOCUMENTS IS SCHEMATIC ONLY. BE RESPONSIBLE TO PROPERLY ADDRESS EXISTING CONDITIONS FOR A COMPLETE AND PROPER INSTALLATION OF NEW SYSTEMS. EXISTING EQUIPMENT NOT IDENTIFIED SHALL BE REMOVED AS TO WHETHER THE EQUIPMENT SHALL REMAIN AND BE RECONNECTED TO THE NEW SERVICES, BE RELOCATED, BE ABANDONED, ETC.
- S. ANY HIDDEN CONDITIONS IDENTIFIED THROUGH THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPORTED IN WRITTEN FORM FOR REVIEW AND DIRECTION. OTHERWISE, BE RESPONSIBLE FOR ANY AND REQUIRED CHANGES AND COSTS TO CORRECT SAID HIDDEN CONDITION.
- T. REMOVE EXISTING EQUIPMENT, PIPING, DUCTWORK, ETC. PRESENTLY SERVING AREAS THAT ARE BEING RENOVATED AND THAT ARE NOT REQUIRED TO STAY IN SERVICE. NO EQUIPMENT, DUCTWORK, PIPING, SUPPORTS, HANGERS, ETC. IS TO BE LEFT ABANDONED. VERIFY QUANTITY, LOCATION AND ELEVATION OF EXISTING TO BE REMOVED IN FIELD. REMOVE EXISTING ABANDONED EQUIPMENT, DUCTWORK AND PIPING IN AREAS THAT ARE TO BE RENOVATED.
- U. EXISTING EQUIPMENT SHALL REMAIN PROPERTY OF THE OWNER AND OWNER SHALL DETERMINE IF EQUIPMENT IS TO BE STORED ON SITE AT OWNER SELECTED LOCATION OR IF EQUIPMENT IS TO BE ABANDONED OR REMOVED FROM SITE.
- V. PATCH EXISTING CEILING, FLOOR, WALL AND ROOF OPENINGS AND SURROUNDING FINISHES RESULTING FROM REMOVAL OF EXISTING MATERIALS AND EQUIPMENT SO THAT FINISH WILL MATCH EXISTING IN SURROUNDING AREAS. OPENINGS IN MASONRY WALLS RESULTING FROM REMOVED THERMOSTATS ARE TO BE COVERED WITH A BLANK STAINLESS STEEL COVER PLATE. P IN CORNERS OF ROOMS.
- W. PROVIDE CUTTING, CORE DRILLING AND PATCHING OF EXISTING WALL AND ROOF CONSTRUCTIONS REQUIRED FOR THE INSTALLATION OF NEW DUCTWORK, PIPING AND EQUIPMENT. SEAL PENETRATIONS THROUGH WALL AND ROOF STRUCTURE WATERTIGHT AND WITH AN APPROVED FIRE STOPPING MATERIAL, INCLUDING APPROVED FIRE RATED SLEEVE.
- X. PROVIDE STEEL LINTELS FOR NEW OPENINGS THROUGH EXISTING MASONRY WALLS AS REQUIRED. LINTELS TO BE AS FOLLOWS UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS: TWO (2) 3-1/2"x3-1/2" x 5/16" ANGLES WITH 5/16" PLATE (1/2" LESS THAN WALL THICKNESS). PROVIDE W8x10 WITH 5/16" PLATE FOR OPENINGS ABOVE 48" WIDE.
- Y. WORK ON THE ROOF SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE EXISTING ROOFING MANUFACTURER'S RECOMMENDATIONS. ROOF WORK SHALL BE PERFORMED BY CERTIFIED INSTALLERS AS TO MAINTAIN THE EXISTING ROOF WARRANTY. PRIOR TO THE START OF ANY WORK ON THE ROOF, EXISTING ROOF SHALL BE INSPECTED AND CERTIFIED BY THE EXISTING ROOFING MANUFACTURER. ANY DEFICIENCIES WHICH OCCUR BETWEEN THE INITIAL AND FINAL INSPECTIONS SHALL BE CORRECTED AT NO COST TO THE OWNER. CORRECTIVE MEASURES SHALL BE PERFORMED BY CERTIFIED INSTALLERS TO MAINTAIN THE EXISTING ROOF WARRANTY.
- Z. MOUNT NEW THERMOSTATS IN EXISTING SPACES AT LOCATIONS VACATED BY OLD THERMOSTAT WHEN POSSIBLE. REUSE EXISTING CONDUIT IF FOUND TO BE IN GOOD CONDITION.
- AA. PROVIDE AN APPROVED SURFACE MOUNTED RACEWAY AS REQUIRED FOR INSTALLATION OF NEW THERMOSTATS ON EXISTING WALLS TO CONCEAL CONTROL WIRING. SUBMIT SAMPLE OF RACEWAY FOR REVIEW. COORDINATE ROUTING OF RACEWAYS WITH EXISTING BUILDING CONDITIONS AND ADJUST ROUTING TO AVOID CONFLICTS AND TO MINIMIZE THE AMOUNT OF EXPOSED SURFACE MOUNTED RACEWAY.
- BB. PROVIDE CONCRETE EQUIPMENT PADS FOR EQUIPMENT INDICATED ON DRAWINGS. COORDINATE LOCATIONS BEFORE INSTALLATION. PADS ARE TO BE DESIGNED WITH REINFORCEMENT TO HANDLE THE WEIGHT OF THE EQUIPMENT BEING SUPPORTED. EXTERIOR CONCRETE PADS TO BE PROVIDED WITH FROST WALLS (MINIMUM OF 48" BELOW GRADE).
- CC. PROVIDE WATERTIGHT 4" HIGH CONCRETE CURBS AROUND DUCTWORK AND PIPING FLOOR OPENINGS IN MECHANICAL ROOMS LOCATED ABOVE FINISHED SPACES.
- DD. PROVIDE CONDENSATE PIPING FROM ROOF TOP HVAC UNITS, COOLING COIL DRAIN PANS, FURNACES, ETC. AS REQUIRED TO ROOF. NEAREST DRAIN OR TO WHERE INDICATED ON DRAWINGS. THE PIPING IS TO BE THE SAME SIZE AS THE EQUIPMENT CONNECTION SIZE. PROVIDE TRAPS IN CONDENSATE PIPING PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
- EE. PROVIDE CONDENSATE PUMPS, RECEIVERS, PIPING AND ELECTRICAL CONNECTIONS AS REQUIRED AT EQUIPMENT WHERE EQUIPMENT DRAINS CANNOT BE DRAINED BY GRAVITY DUE TO FIELD CONDITIONS.
- FF. ADJUST NEW ROOF-TOP EQUIPMENT LOCATIONS BEING INSTALLED ON ROOF LOCATIONS AS REQUIRED TO COORDINATE WITH STRUCTURAL CONDITIONS. PROVIDE OUTSIDE AIR-INTAKE EXTENSIONS WITH DUCTWORK SUPPORTS AS REQUIRED TO MAINTAIN MINIMUM 10 FEET CLEARANCE BETWEEN OUTSIDE AIR INTAKE OPENING AND ANY EXHAUST OR VENT LOCATION. COORDINATE DUCTWORK INSTALLATION BETWEEN STRUCTURAL JOISTS, CEILING AND LIGHT FIXTURES AS REQUIRED. PROVIDE INCREASE HEIGHT ROOF CURBS AS REQUIRED TO DUCTWORK TRANSITIONS TO ALLOW INSTALLATION BETWEEN STRUCTURAL COMPONENTS, IF NECESSARY.
- GG. PROVIDE VENT PIPING FROM ALL GAS PRESSURE REDUCING STATIONS. PIPING TO BE ROUTED TO THE EXTERIOR OF BUILDING AS REQUIRED. MULTIPLE RELIEFS ARE TO BE PIPED INDIVIDUALLY, NOT GROUPED TOGETHER IN A COMMON HEADER. THE PIPING IS TO BE SAME SIZE AS RELIEF CONNECTION TO EQUIPMENT. TERMINATION LOCATION TO MEET ALL CODE REQUIREMENTS AND BE APPROVED BY ARCHITECT.
- HH. PROVIDE RELIEF VENT PIPING FOR REFRIGERATION EQUIPMENT. PIPING TO BE ROUTED TO THE EXTERIOR OF BUILDING AS REQUIRED. MULTIPLE RELIEFS ARE TO BE PIPED INDIVIDUALLY, NOT GROUPED TOGETHER IN A COMMON HEADER. THE PIPING IS TO BE SAME SIZE AS RELIEF CONNECTION TO EQUIPMENT. TERMINATION LOCATION TO MEET CODE REQUIREMENTS AND BE APPROVED BY ARCHITECT.
- II. REMOVE EXISTING DOORS AND PORTIONS OF WALLS, CEILINGS, ETC. AS REQUIRED TO INSTALL NEW MATERIAL AND EQUIPMENT IN EXISTING LOCATIONS. REBUILD WALLS, CEILINGS AND REINSTALL EXISTING DOORS AS REQUIRED AFTER INSTALLATION OF NEW MATERIAL AND EQUIPMENT. PATCH AND FINISH TO MATCH EXISTING.
- JJ. PROVIDE ROOF PIPING SUPPORTS FOR PIPING ROUTED ALONG ROOF. SINGLE PIPE SUPPORTS TO BE EQUIVALENT TO PORTABLE PIPE HANGER, INC. TYPE PP-10 ROLLER GUIDE SUPPORT. MULTIPLE PIPE SUPPORTS TO BE EQUIVALENT TO PORTABLE PIPE HANGER, INC. TYPE PP10 CHANNEL GUIDE SUPPORT. SUPPORTS ARE TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. SUPPORTS TO BE COMPATIBLE WITH AND MAINTAIN THE INTEGRITY (AND EXISTING WARRANTY IF APPLICABLE) OF THE EXISTING OR NEW ROOF SYSTEM.

TYPICAL GAS PIPING PLAN AT GENERATOR DETAIL



NOTES:

(NTS)

- HIGH PRESSURE PIPING (UPSTREAM OF REGULATOR)
  - GAS METER AND PRIMARY REGULATOR MUST MEET THE PRESSURE AND FLOW REQUIREMENTS OF BUILDING LOADS INCLUDING THE GENERATOR AT 100% LOAD.
  - HIGH PRESSURE GAS PIPING SHALL BE FIRST-IN-LINE OFF THE UTILITY GAS METER AND BE A DESIGNATED GAS PIPING FEED DIRECTLY INTO THE GENERATOR PRIMARY REGULATOR. NO OTHER EQUIPMENT SHALL BE FED FROM THE DESIGNATED GENERATOR GAS PIPING FEED.
  - LENGTH OF PIPE ENTERING REGULATOR SHALL BE A MINIMUM 3-5 TIMES PIPE DIAMETER.
- GAS REGULATOR:
  - SELECT A DIRECT ACTING REGULATOR THAT WILL DELIVER APPROXIMATELY 2.0 TIMES THE MAXIMUM GAS FLOW REQUIRED BY THE GENERATOR WITH 1'-2" WC PRESSURE DROP AT THE EXPECTED NOMINAL UPSTREAM AND DOWNSTREAM GAS PRESSURES.
  - THE DIAMETER OF THE REGULATOR OUTLET MUST NOT BE MORE THAN ONE NOMINAL SIZE SMALLER THAN THE DIAMETER OF THE LOW PRESSURE PIPING IMMEDIATELY DOWNSTREAM OF THE REGULATOR.
  - REGULATOR SHALL BE PLACED APPROXIMATELY 8' FROM GENERATOR NATURAL GAS INLET.
  - GENERATOR PRIMARY REGULATOR SHALL BE MANUFACTURED BY SENSUS OR PIETRO WITH INTERNAL REGISTRATION AND POSITIVE LOCK OUT FEATURE TO PREVENT GAS CREEP.
  - GENERATOR REGULATOR SHALL BE SIZED TO SUPPLY THE MINIMUM RECOMMENDED FLOW (2 X 100% SCFH LOAD CONSUMPTION).
  - LENGTH OF PIPE EXITING REGULATOR SHALL BE A MINIMUM 8-10 TIMES PIPE DIAMETER BEFORE ANY ELBOW.
  - LOW PRESSURE PIPE SIZING SHALL ALLOW NO MORE THAN 0.5" WC PRESSURE DROP BETWEEN REGULATOR & GENERATOR.
  - PROVIDE APPROXIMATELY 8 FEET OF PIPE BETWEEN THE REGULATOR & GENERATOR. FOR INSTALLATIONS WHERE IT IS IMPRACTICAL, COUPLING UP TO LARGER DIAMETER PIPE IS A PRACTICAL METHOD TO INCREASE GAS VOLUME BETWEEN REGULATOR & GENERATOR.
  - THE FLEXIBLE FUEL LINE SHALL BE STRAIGHT AS POSSIBLE. IT IS NOT INTENDED TO CORRECT MISALIGNED PIPE SECTIONS OR TO SERVE AS AN ELBOW.
- GENERATOR WATER COLUMN & PRESSURE REGULATOR REQUIREMENT:
  - IF GENERATOR WATER COLUMN REQUIREMENT RANGE IS 7'-11" W.C. SET STATIC PRESSURE OF REGULATOR AT 11" W.C.
  - IF GENERATOR WATER COLUMN REQUIREMENT RANGE IS 11'-14" W.C. SET STATIC PRESSURE OF REGULATOR AT 14" W.C.
  - IF GENERATOR WATER COLUMN REQUIREMENT RANGE IS 16'-20" W.C. SET STATIC PRESSURE OF REGULATOR AT 20" W.C.
- FOLLOW ALL INTERNATIONAL FUEL GAS CODE (IFGC) RECOMMENDATIONS FOR PIPING.
- ALL PIPING SHALL BE SCHEDULE 40
- ALL FITTINGS SHALL BE MALLEABLE IRON.



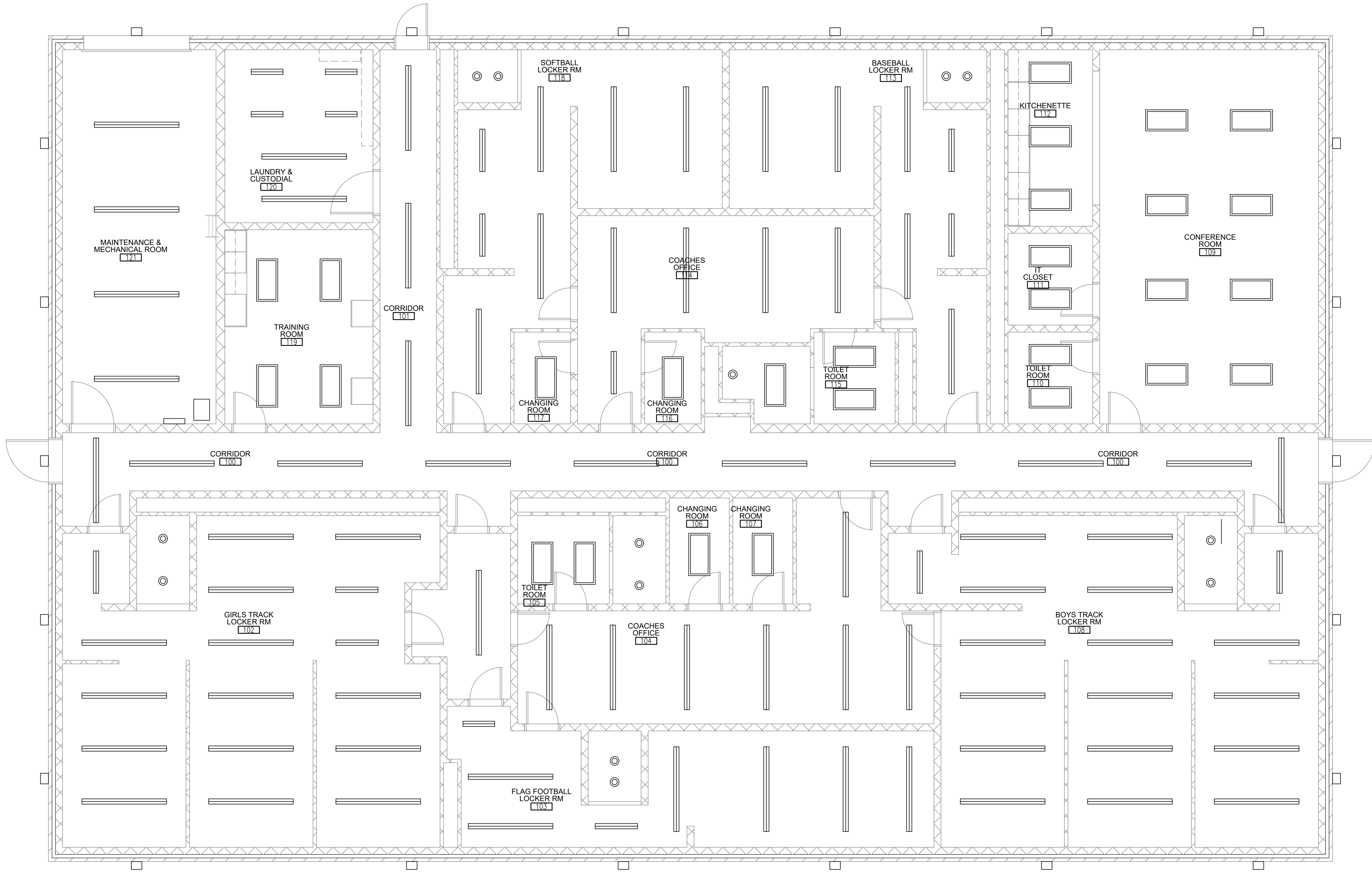
DATE  
10/02/2026

NEW LOCKER ROOM FACILITY & RENOVATION TO  
THE EXISTING RESTROOM FACILITY AT  
MERRILLVILLE HIGH SCHOOL  
276 E. 68TH PLACE  
MERRILLVILLE, IN 46410

26027

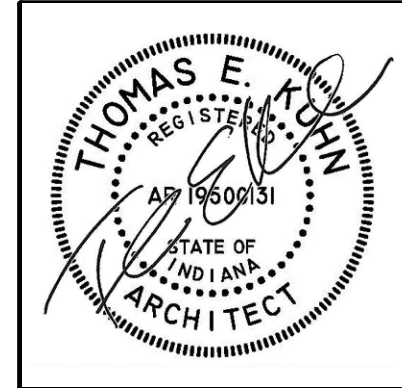
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MASTER LIGHTING PLAN

SCALE: 3/16" = 1'-0"



DATE  
10-02-2026

NEW LOCKER ROOM FACILITY & RENOVATIONS TO  
THE EXISTING CONCESSION & TENNIS FACILITY AT  
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Architectural floor plan of the second floor of a building, showing various rooms and corridors. The plan is divided into three main sections by a central corridor.

**Left Section:**

- Maintenance & Mechanical Room (121)
- Laundry & Custodial (120)
- Training Room (119)
- Corridor (101)

**Middle Section:**

- Softball Locker RM (118)
- Changing Room (117)
- Corridor (100)

**Right Section:**

- Coaches Office (114)
- Changing Room (116)
- Corridor (100)

**Bottom Section:**

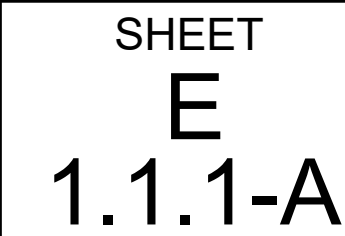
- Girls Track Locker RM (102)
- Toilet Room (105)
- Coaches Office (104)
- Changing Room (106)
- Flag Football Locker RM (103)

The plan also shows various doors, windows, and furniture. Rooms are labeled with their names and numbers, and corridors are labeled with their numbers. The plan is oriented with North at the top.

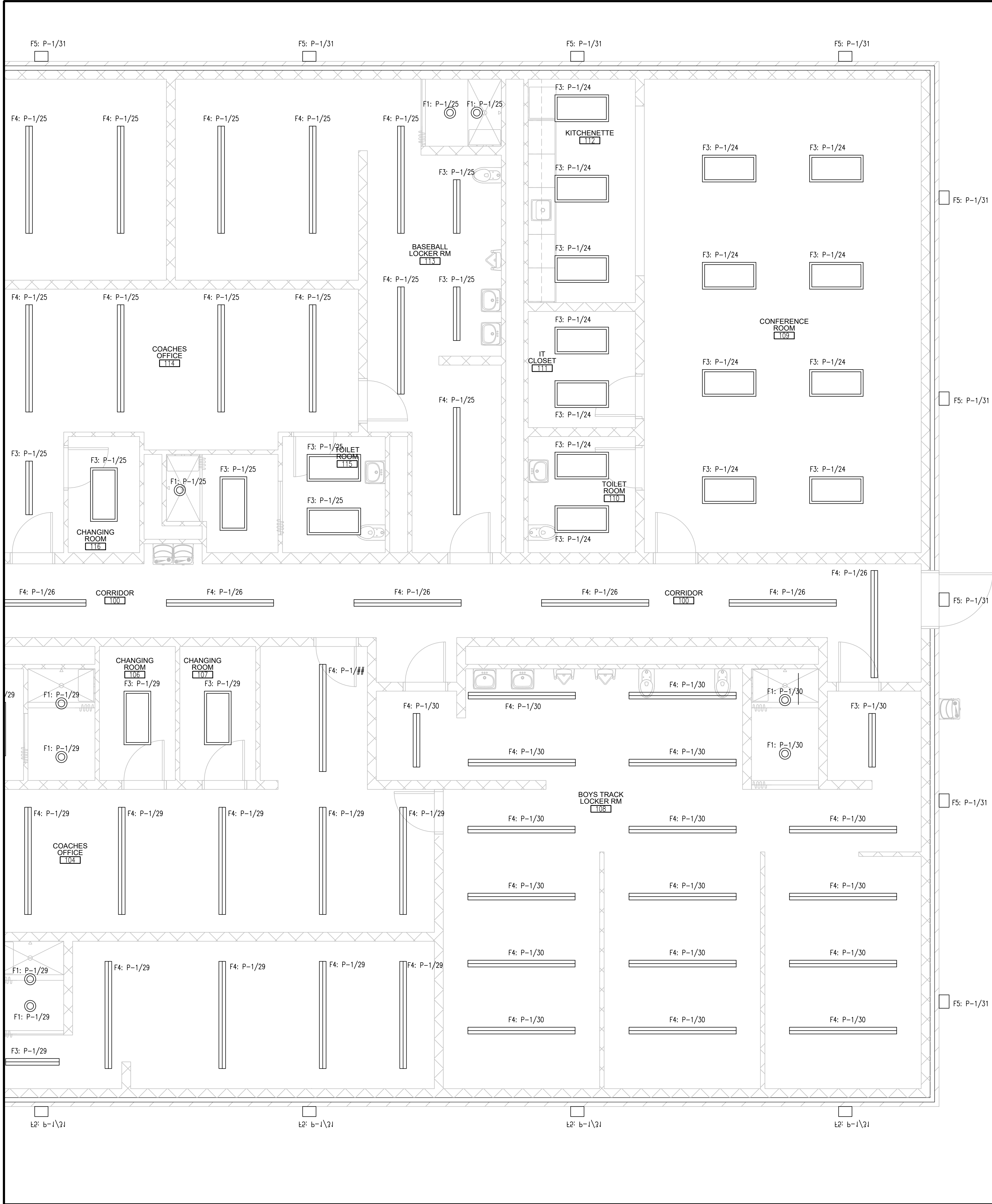
### LIGHTING CONTROLS LEGEND

|  |                                                                                                                                             |
|--|---------------------------------------------------------------------------------------------------------------------------------------------|
|  | WSXA PDT XX<br>WALL SWITCH SENSOR, PASSIVE DUAL TECHNOLOGY                                                                                  |
|  | WSYA PDT D XX<br>WALL SWITCH SENSOR, PASSIVE DUAL TECHNOLOGY,<br>0-10VDC RAISE/LOWER DIMMING                                                |
|  | CMP PDT 10 WH<br>LINE VOLTAGE CEILING MOUNT SENSOR, PASSIVE DUAL<br>TECHNOLOGY, LARGE MOTION / EXTENDED RANGE 360°<br>LENS                  |
|  | CMP PDT 9 WH<br>LINE VOLTAGE CEILING MOUNT SENSOR, PASSIVE DUAL<br>TECHNOLOGY, SMALL MOTION RANGE 360° LENS                                 |
|  | CMP PDT 9 LT WH<br>LINE VOLTAGE CEILING MOUNT SENSOR, PASSIVE DUAL<br>TECHNOLOGY, SMALL MOTION RANGE 360° LENS, LOW<br>TEMP / HIGH HUMIDITY |

SCALE:  $1/4" = 1'-0"$



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| LIGHT FIXTURE SCHEDULE |                                                                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FIXTURE                | DESCRIPTION                                                                                                                                                           |
| F1                     | GOTHAM ARCHITECTURAL 6" CAN SHOWER - EV06SH, 35K, 20, OFF, SOL, MVOLT, EZ1; EVO 6" SHOWER, 80 CRI, 3500K, 2000LM, FLUSH SOLITE. 19.7W PER FIXTURE; TOTAL WATTAGE:     |
| F2                     | LITHONIA, 2'x4' LED CENTER BASKET TROFFER - 2BLT4 40L ADP EZ1 LP835 N100; nLIGHT ENABLED, DIMMING & SWITCHING MODULE. FIXTURE COUNT: 39.3W PER FIXTURE TOTAL WATTAGE: |
| F3                     | LITHONIA, 4' LINEAR LUMINAIRE : CLX-L48-4000LM-SEF-SBLMB-FDL-MVOLT-35K ; HUNG FROM CEILING TO 10' AFF. 28W PER FIX.                                                   |
| F4                     | LITHONIA, 8' LINEAR LUMINAIRE : CLX-L96-4000LM-SEF-SBLMB-FDL-MVOLT-35K ; HUNG FROM CEILING TO 10' AFF. 50W P28 FIX.                                                   |
| F5                     | LITHONIA, ARCHITECTURAL WALL SCONCE: WST-LED-P3-30K-VW-MVOLT-DBDXTD-E20WC; MOUNTED +11'-8" AFF. 50W PER FIX.                                                          |
| F6                     | LITHONIA, SURFACE MOUNTED LED EMERGENCY LIGHT - ELM4L: LED, WITH 90 MINUTE BATTERY BACKUP.                                                                            |
| F7                     | LITHONIA EXIT SIGN: LQM-S-W-R-EL-N-M6; RED LED EXIT LIGHT W/90 MINUTE BATTERY CEILING MOUNTED WITH DIRECTIONAL ARROWS AS INDICATED ON DRAWING                         |
| F8                     | LITHONIA EMERGENCY LIGHT & EXIT LIGHT COMBO: LHQM-LED-R-M6; RED LED EXIT LIGHT W/90 MINUTE BATTERY                                                                    |

LIGHTING CONTROLS LEGEND

- \$XP

WSXA PDT XX  
WALL SWITCH SENSOR, PASSIVE DUAL TECHNOLOGY
- \$XP D

WSXA PDT D XX  
WALL SWITCH SENSOR, PASSIVE DUAL TECHNOLOGY,  
0-10VDC RAISE/LOWER DIMMING
- CMP 10

CMR PDT 10 WH  
LINE VOLTAGE CEILING MOUNT SENSOR, PASSIVE DUAL  
TECHNOLOGY, LARGE MOTION / EXTENDED RANGE 360°  
LENS
- CMP 9

CMR PDT 9 WH  
LINE VOLTAGE CEILING MOUNT SENSOR, PASSIVE DUAL  
TECHNOLOGY, SMALL MOTION RANGE 360° LENS
- CMP 9LT

CMR PDT 9 LT WH  
LINE VOLTAGE CEILING MOUNT SENSOR, PASSIVE DUAL  
TECHNOLOGY, SMALL MOTION RANGE 360° LENS, LOW  
TEMP / HIGH HUMIDITY

PARTIAL LIGHTING PLAN  
AREA B

SCALE: 1/4" = 1'-0"



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10-02-2026

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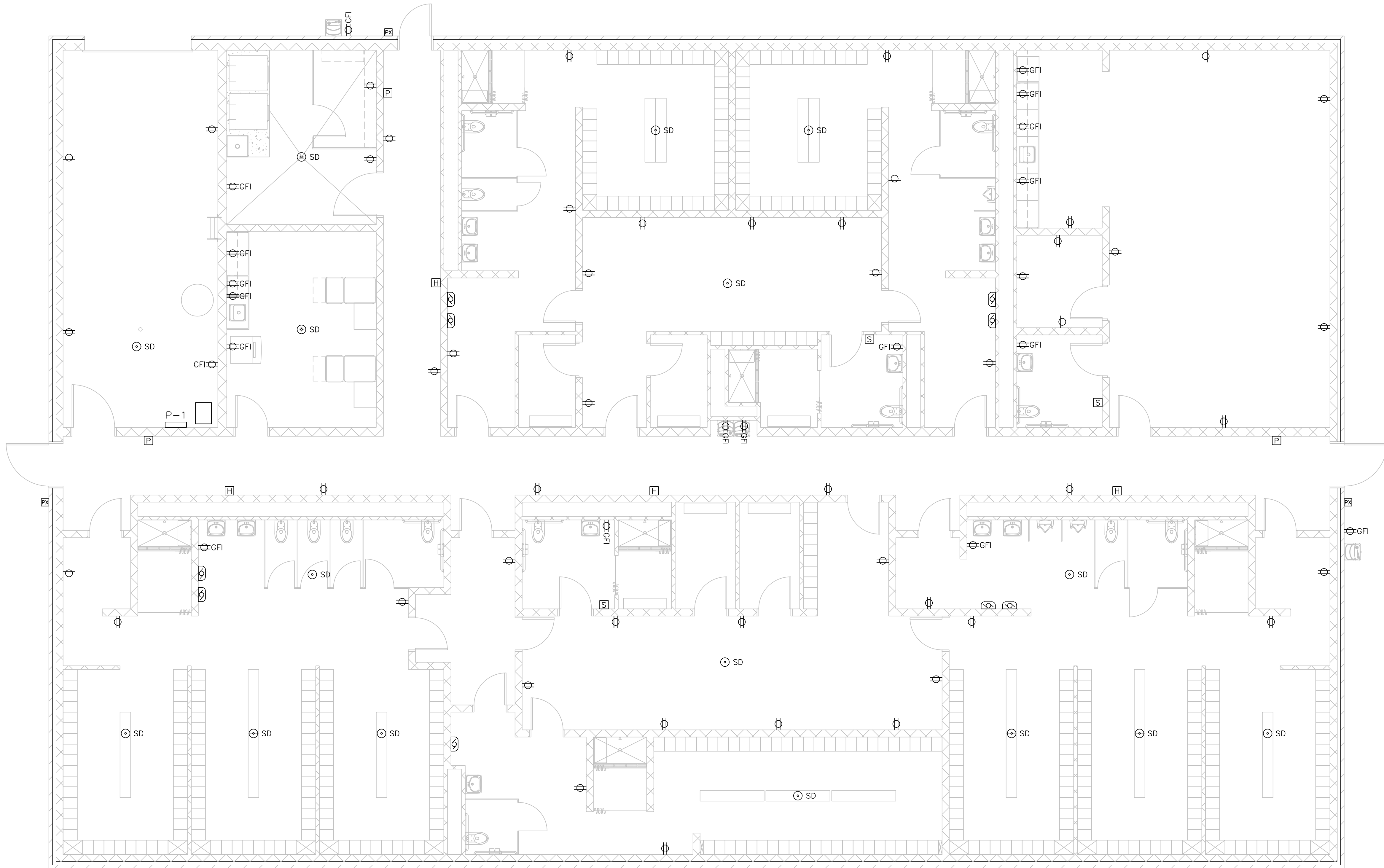
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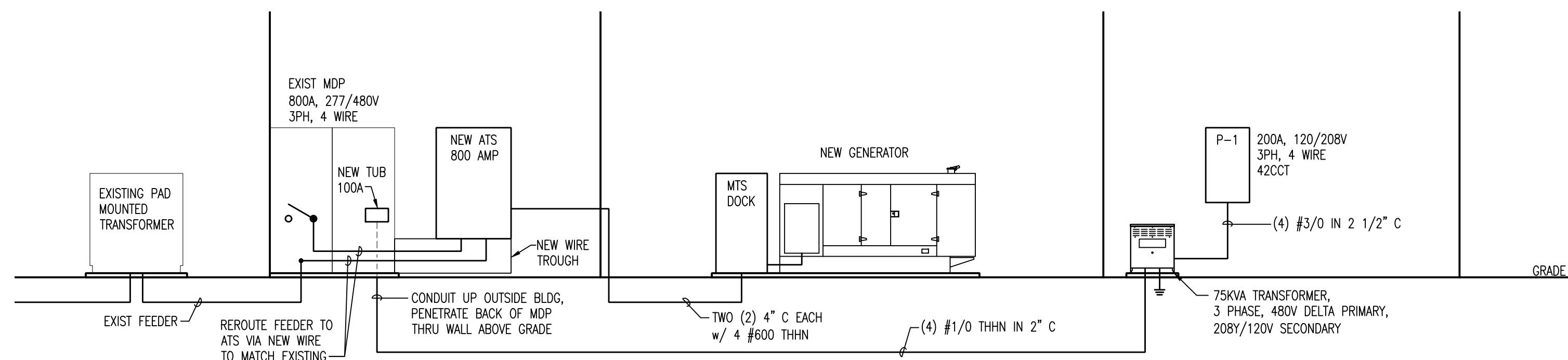
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## MASTER POWER PLAN

SCALE: 3/16" = 1'-0"



## ELECTRICAL ONE LINE DIAGRAM

SCALE: NTC



DATE  
10-02-2026

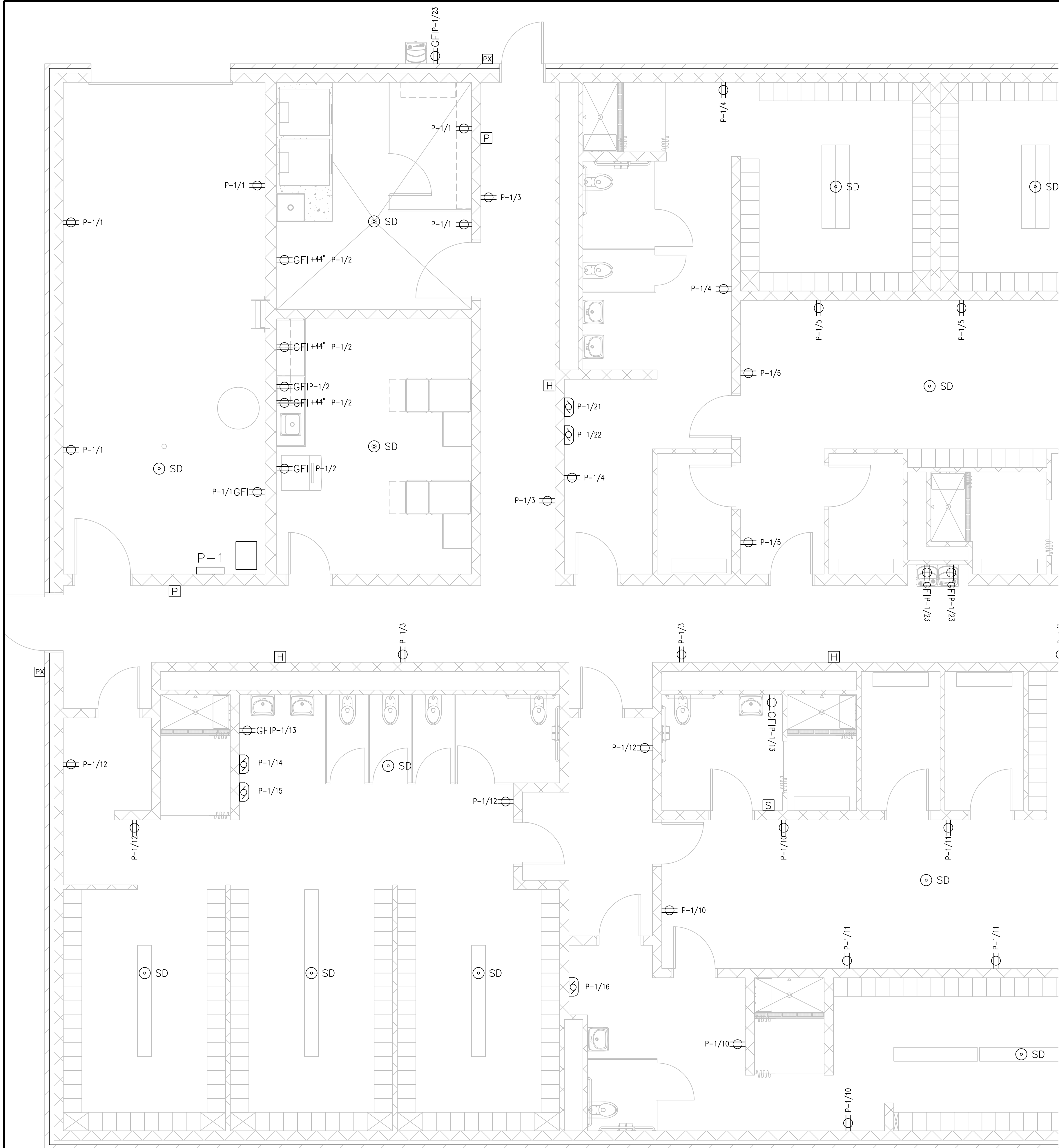
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| PLUMBING FIXTURE SCHEDULE                                                              |                            |                                                                                                                                                                              |
|----------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SYMBOL                                                                                 | DESCRIPTION                | SPECIFICATION                                                                                                                                                                |
|     | DUPLEX RECEPTACLE          | INSTALL RECEPTACLE WITH J-BOX & 3/4" CONDUIT UP TO CEILING @ +16" A. @ +16" A.F.F.-- UNO                                                                                     |
|     | GFI RECEPTACLE             | INSTALL GFI WITH J-BOX & 3/4" CONDUIT UP TO CEILING @ +16" A.F.F.-- UNO                                                                                                      |
|     | WATER PROOF GFI RECEPTACLE | WEATHERPROOF GROUND FAULT INTERRUPTER. EXTERIOR RECEPTACLES SHALL BE ON SEPARATE CIRCUIT. NSTALL WATER PROOF GFI WITH J-BOX & 3/4" CONDUIT UP TO CEILING @ +16" A.F.F.-- UNO |
|     | DATA RECEPTACLE            | INSTALL DATA WITH J-BOX & 3/4" CONDUIT UP TO CEILING @ +16" A.F.F.-- UNO                                                                                                     |
|     | JUNCTION BOX.              | J-BOX, LINE VOLTAGE & 3/4" CONDUIT UP TO CEILING/ATTIC SPACE. PROVIDE                                                                                                        |
|     | SURFACE MOUNTED HAND DRYER | XLERATOReco HAND DRYER; MODEL: XL-W-ECO--BN-110/120.<br>PROVIDE A JUNCTION BOX & 20 AMP CIRCUIT<br>- REFER TO INTERIOR ELEVATIONS FOR LOCATION TO INSTALL.                   |
|     | FIRE ALARM PULL STATION    |                                                                                                                                                                              |
|     | FIRE ALARM STROBE          |                                                                                                                                                                              |
|     | FIRE ALARM HORN & STROBE   |                                                                                                                                                                              |
|  SD | SMOKE DETECTOR             |                                                                                                                                                                              |
|  PR | PROX READER                | PROVIDE J-BOX W/ 3/4" C UP TO CEILING SPACE OR TO IDF - PROVIDE ONE CAT 6 WIRE TO IDF. PROX READER WILL BE INSTALLED BY OWNER                                                |
|                                                                                        |                            |                                                                                                                                                                              |
|                                                                                        |                            |                                                                                                                                                                              |
|                                                                                        |                            |                                                                                                                                                                              |
|                                                                                        |                            |                                                                                                                                                                              |

NOTES:

-

| POWER PANEL MDP-1                                                  |            |                                                  |            |        |      |      |    |                                                                  |      |              |                        |      |                |
|--------------------------------------------------------------------|------------|--------------------------------------------------|------------|--------|------|------|----|------------------------------------------------------------------|------|--------------|------------------------|------|----------------|
| VOLTAGE: 120/208V<br>FEEDER: 2" CW/ (4) #110'S THHN<br>S.P.D.: 60A |            |                                                  |            |        |      |      |    | TYPE: SQUARE D<br>MAIN: 200 AMP 42 CCT<br>MOUNT: SURFACE MOUNTED |      |              |                        |      |                |
| CIRCUIT USE                                                        | CCT. BRKR. |                                                  | LOAD WATTS |        |      | CCT. |    | LOAD WATTS                                                       |      |              | CCT. BRKR.             |      | CIRCUIT USE    |
|                                                                    | POLE       | TRIP                                             | A          | B      | C    |      |    | A                                                                | B    | C            | POLE                   | TRIP |                |
| RECEPTACLE                                                         | 1          | 20                                               | 1080       |        |      | 1    | 2  | 1080                                                             |      |              | 1                      | 20   | GFI RECEPTACLE |
| RECEPTACLE                                                         | 1          | 20                                               |            | 1080   |      | 3    | 4  |                                                                  | 1080 |              | 1                      | 20   | RECEPTACLE     |
| RECEPTACLE                                                         | 1          | 20                                               |            |        | 1080 | 5    | 6  |                                                                  |      | 1080         | 1                      | 20   | GFI RECEPTACLE |
| RECEPTACLE                                                         | 1          | 20                                               | 1080       |        |      | 7    | 8  | 540                                                              |      |              | 1                      | 20   | RECEPTACLE     |
| RECEPTACLE                                                         | 1          | 20                                               |            | 720    |      | 9    | 10 |                                                                  | 720  |              | 1                      | 20   | RECEPTACLE     |
| RECEPTACLE                                                         | 1          | 20                                               |            |        | 1080 | 11   | 12 |                                                                  | 720  |              | 1                      | 20   | RECEPTACLE     |
| GFI RECEPTACLE                                                     | 1          | 20                                               | 540        |        |      | 13   | 14 | 1450                                                             |      |              | 1                      | 20   | HAND DRYER     |
| HAND DRYER                                                         | 1          | 20                                               |            | 1450   |      | 15   | 16 |                                                                  | 1450 |              | 1                      | 20   | HAND DRYER     |
| HAND DRYER                                                         | 1          | 20                                               |            |        | 1450 | 17   | 18 |                                                                  |      | 1450         | 1                      | 20   | HAND DRYER     |
| HAND DRYER                                                         | 1          | 20                                               | 1450       |        |      | 19   | 20 | 1450                                                             |      |              | 1                      | 20   | HAND DRYER     |
| HAND DRYER                                                         | 1          | 20                                               |            | 1450   |      | 21   | 22 |                                                                  | 1450 |              | 1                      | 20   | HAND DRYER     |
| GFI RECEPTACLE (EWC)                                               | 1          | 20                                               |            |        | 720  | 23   | 24 |                                                                  |      | 590          | 1                      | 20   | LIGHTING       |
| LIGHTING                                                           | 1          | 20                                               | 800        |        |      | 25   | 26 | 364                                                              |      |              | 1                      | 20   | LIGHTING       |
| LIGHTING                                                           | 1          | 20                                               |            | 800    |      | 27   | 28 |                                                                  | 800  |              | 1                      | 20   | LIGHTING       |
| LIGHTING                                                           | 1          | 20                                               |            |        | 1000 | 29   | 30 |                                                                  |      | 1000         | 1                      | 20   | LIGHTING       |
| LIGHTING                                                           | 1          | 20                                               | 800        |        |      | 31   | 32 | ---                                                              |      |              | 1                      | 20   | SPARE          |
| SPARE                                                              | 1          | 20                                               |            | ---    |      | 33   | 34 | ---                                                              |      |              | 1                      | 20   | SPARE          |
| SPARE                                                              | 1          | 20                                               |            |        | ---  | 35   | 36 |                                                                  |      | ---          | 1                      | 20   | SPARE          |
| SPARE                                                              | 1          | 20                                               | ---        |        |      | 37   | 38 | ---                                                              |      |              | 1                      | 20   | SPARE          |
| SPARE                                                              | 1          | 20                                               |            | ---    |      | 39   | 40 | ---                                                              |      |              | 1                      | 20   | SPARE          |
| SPARE                                                              | 1          | 20                                               |            |        | ---  | 41   | 42 |                                                                  |      | ---          | 1                      | 20   | SPARE          |
| TOTAL WATTS PER PHASE:                                             |            |                                                  | 4150       | 4700   | 4330 |      |    | 4520                                                             | 4700 | 3250         | :TOTAL WATTS PER PHASE |      |                |
|                                                                    |            | TOTAL WATTS:                                     |            | 25,650 |      |      |    |                                                                  |      | :TOTAL WATTS |                        |      |                |
|                                                                    |            | (25,650 -10,000)/208V = 75.24 AMPS @ 50% = 37.62 |            |        |      |      |    |                                                                  |      |              |                        |      |                |
|                                                                    |            | 10,000/208V = 48.1 AMPS @ 100% = 48.1            |            |        |      |      |    |                                                                  |      |              |                        |      |                |
|                                                                    |            | 37.62 + 48.1 = 85.72 / 1.73 = 49.55 AMPS         |            |        |      |      |    |                                                                  |      |              |                        |      |                |

# PARTIAL POWER PLAN

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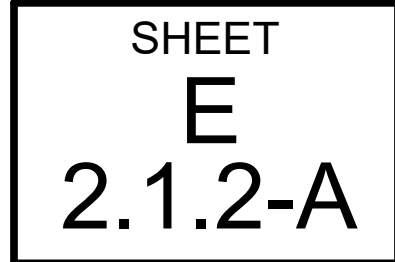
AREA A SCALE: 1/4"



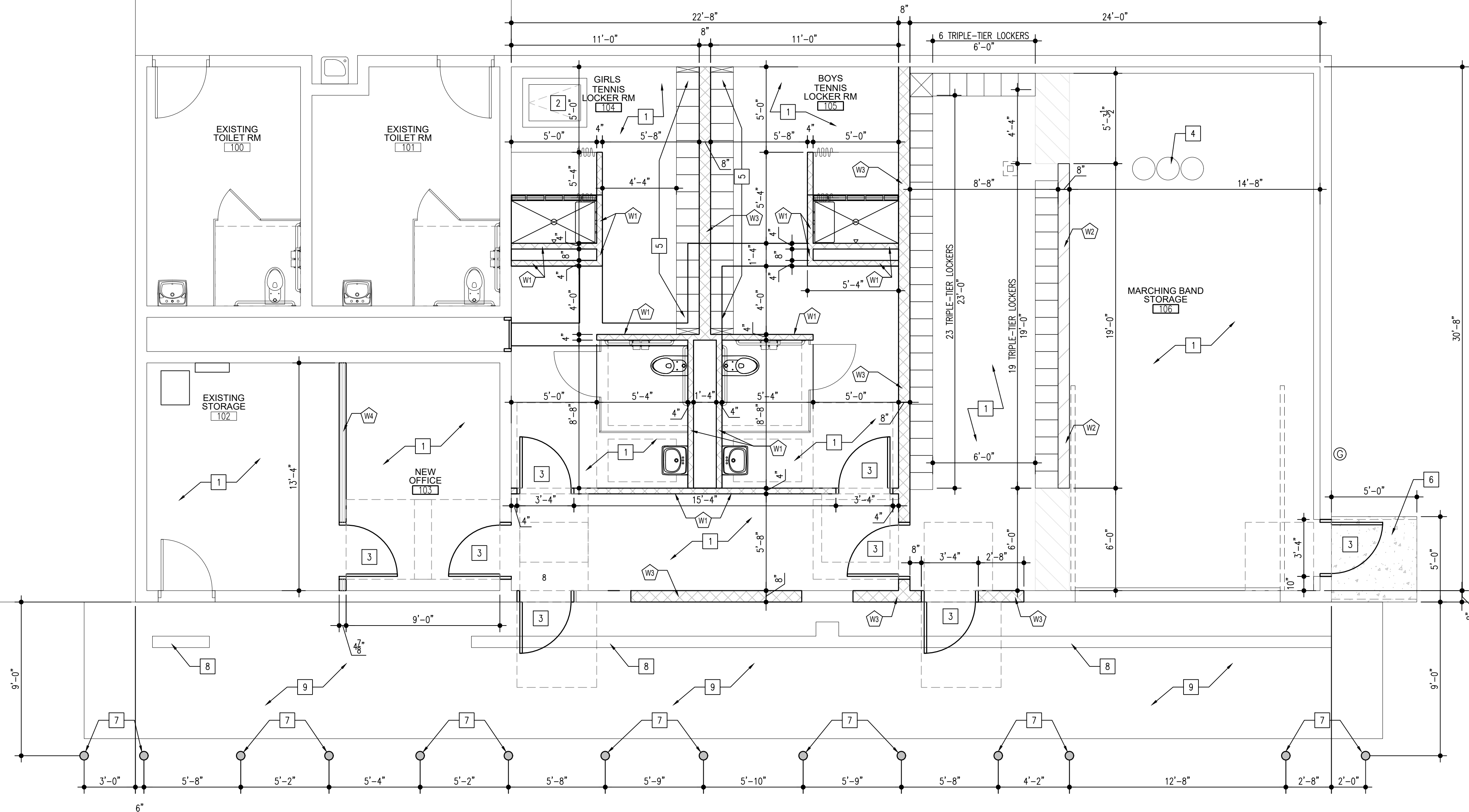
| PLUMBING FIXTURE SCHEDULE                                                           |                            |                                                                                                                                                                               |
|-------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SYMBOL                                                                              | DESCRIPTION                | SPECIFICATION                                                                                                                                                                 |
|  | DUPLEX RECEPTACLE          | INSTALL RECEPTACLE WITH J-BOX & 3/4" CONDUIT UP TO CEILING @ +16" A.F.F. - UNO                                                                                                |
|  | GFI RECEPTACLE             | INSTALL GFI WITH J-BOX & 3/4" CONDUIT UP TO CEILING @ +16" A.F.F. - UNO                                                                                                       |
|  | WATER PROOF GFI RECEPTACLE | WEATHERPROOF GROUND FAULT INTERRUPTER. EXTERIOR RECEPTACLES SHALL BE ON SEPARATE CIRCUIT. INSTALL WATER PROOF GFI WITH J-BOX & 3/4" CONDUIT UP TO CEILING @ +16" A.F.F. - UNO |
|  | DATA RECEPTACLE            | INSTALL DATA WITH J-BOX & 3/4" CONDUIT UP TO CEILING @ +16" A.F.F. - UNO                                                                                                      |
|  | JUNCTION BOX.              | J-BOX, LINE VOLTAGE & 3/4" CONDUIT UP TO CEILING/ATTIC SPACE. PROVIDE                                                                                                         |
|  | SURFACE MOUNTED HAND DRYER | XLERATOReco HAND DRYER; MODEL: XL-W-ECO-8N-110/120. PROVIDE A JUNCTION BOX & 20 AMP CIRCUIT<br>- REFER TO INTERIOR ELEVATIONS FOR LOCATION TO INSTALL.                        |
|  | FIRE ALARM PULL STATION    |                                                                                                                                                                               |
|  | FIRE ALARM STROBE          |                                                                                                                                                                               |
|  | FIRE ALARM HORN & STROBE   |                                                                                                                                                                               |
|  | SMOKE DETECTOR             |                                                                                                                                                                               |
|  | PROX READER                | PROVIDE J-BOX W/ 3/4" C UP TO CEILING SPACE OR TO IDF - PROVIDE ONE CAT 6 WIRE TO IDF. PROX READER WILL BE INSTALLED BY OWNER                                                 |
|                                                                                     |                            |                                                                                                                                                                               |
|                                                                                     |                            |                                                                                                                                                                               |
|                                                                                     |                            |                                                                                                                                                                               |
|                                                                                     |                            |                                                                                                                                                                               |

NOTES:

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FLOOR PLAN  
TENNIS COUT FACILITY SCALE: 3/16" = 1'-0" PLAN NORTH

### WALL LEGEND:

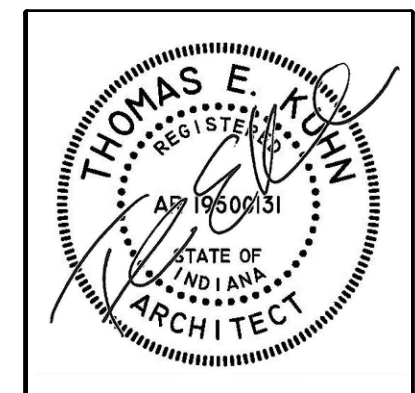
- W1 4" CMU w/ HORZ JOINT REINF @ 16" OC VERT
- W2 8" CMU HALF WALL w/ HORZ JOINT REINF @ 16" OC VERT - HEIGHT OF 6'-0"
- W3 8" CMU w/ HORZ JOINT REINF @ 16" OC VERT
- W4 5/8" IMPACT RESISTANCE GYPSUM BOARD ON BOTH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH SOUND BATT INSULATION. EXTEND STUDS TO BOTTOM OF STRUCTURE. EXTEND GYPSUM BOARD 12" ABOVE DROP CEILING.

### NEW CONSTRUCTION PLAN GENERAL NOTES:

- FIELD VERIFY ALL EXISTING DIMENSIONS & CONDITIONS PRIOR TO CONSTRUCTION.
- PROVIDE BULLNOSE BLOCK AT ALL EXPOSED MASONRY CORNERS.
- ALL OF THE FLOOR PLAN NEW CONSTRUCTION NOTES LISTED MAY NOT APPEAR ON EACH INDIVIDUAL NEW CONSTRUCTION PLAN.

### NEW CONSTRUCTION KEYNOTES:

- 1 FLOOR FINISHES & BASE - REFER TO FLOOR FINISH PLAN.
- 2 EXISTING FLOOR HATCH DOOR - TO REMAIN.
- 3 NEW DOOR - REFER TO DOOR SCHEDULE.
- 4 TRIPLE GARAGE BASIN.
- 5 NEW LOCKERS.
- 6 NEW STOOP.
- 7 NEW BOLLARDS.
- 8 EXISTING TRENCH DRAINS TO REMAIN.
- 9 EXISTING CONCRETE STOOP TO REMAIN.



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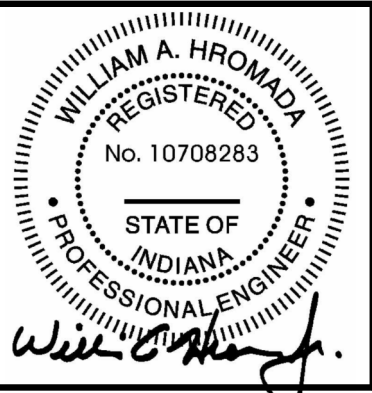
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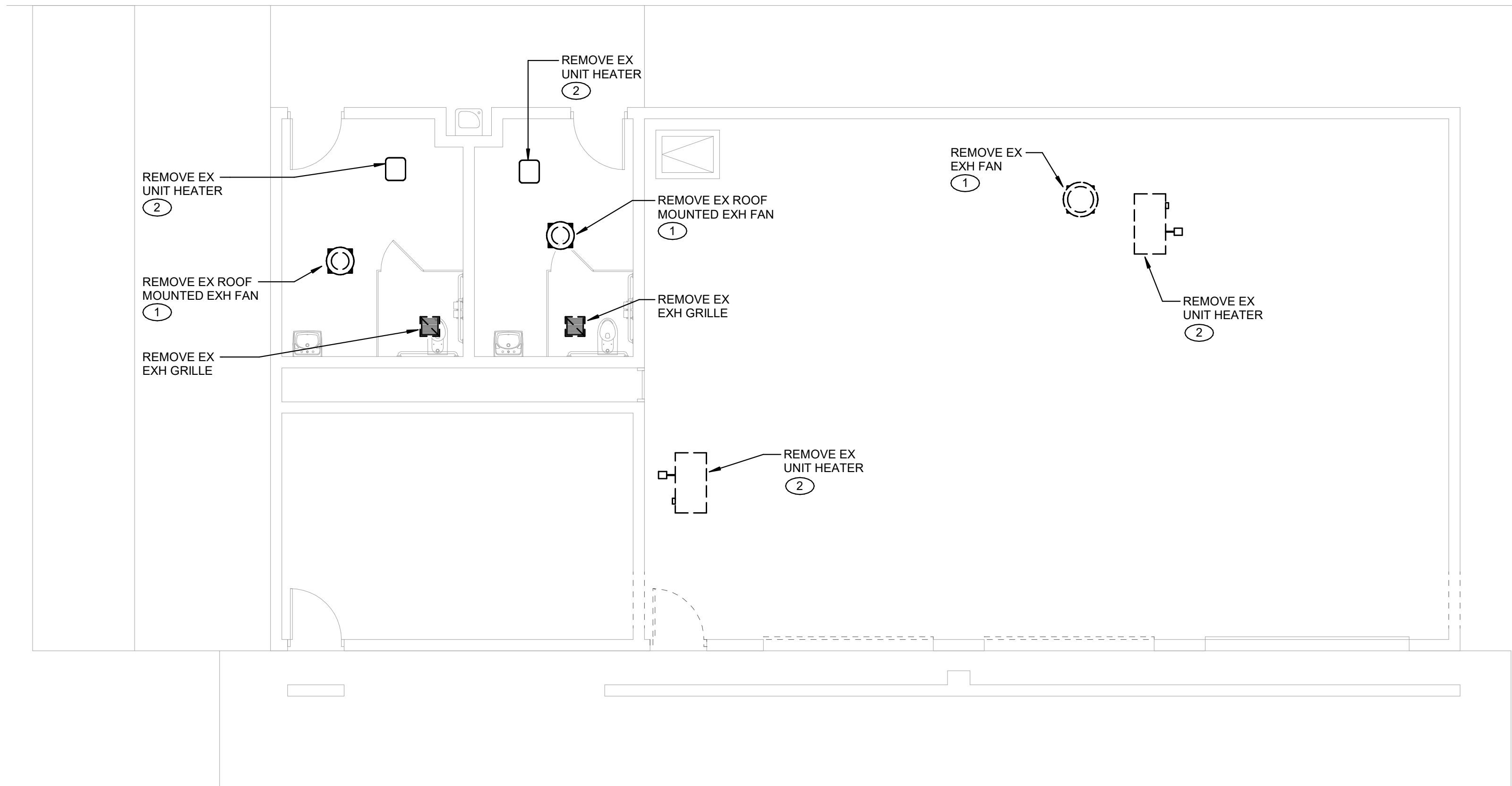
SHEET NOTES

1. REMOVE EXISTING ROOF MOUNTED EXHAUST FAN AND ASSOCIATED DUCTWORK, GRILLES, CONTROLS, ELECTRICAL CONNECTIONS, ETC. COMPLETE AS REQUIRED. EXISTING ROOF CURB TO REMAIN ABANDONED - PROVIDE NEW INSULATED (MIN R-30 INS.) GALVANIZED SHEETMETAL CURB CAP AND SEAL WEATHERTIGHT.
2. REMOVE EXISTING ELECTRIC UNIT HEATER AND ASSOCIATED ELECTRICAL CONNECTIONS AND CONTROLS COMPLETE AS REQUIRED.



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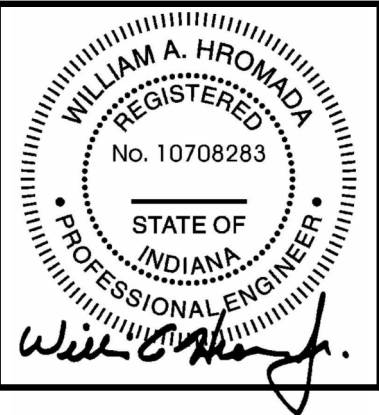


MECHANICAL DEMOLITION PLAN  
TENNIS & MARCHING FACILITY SCALE: 3/16" = 1'-0"



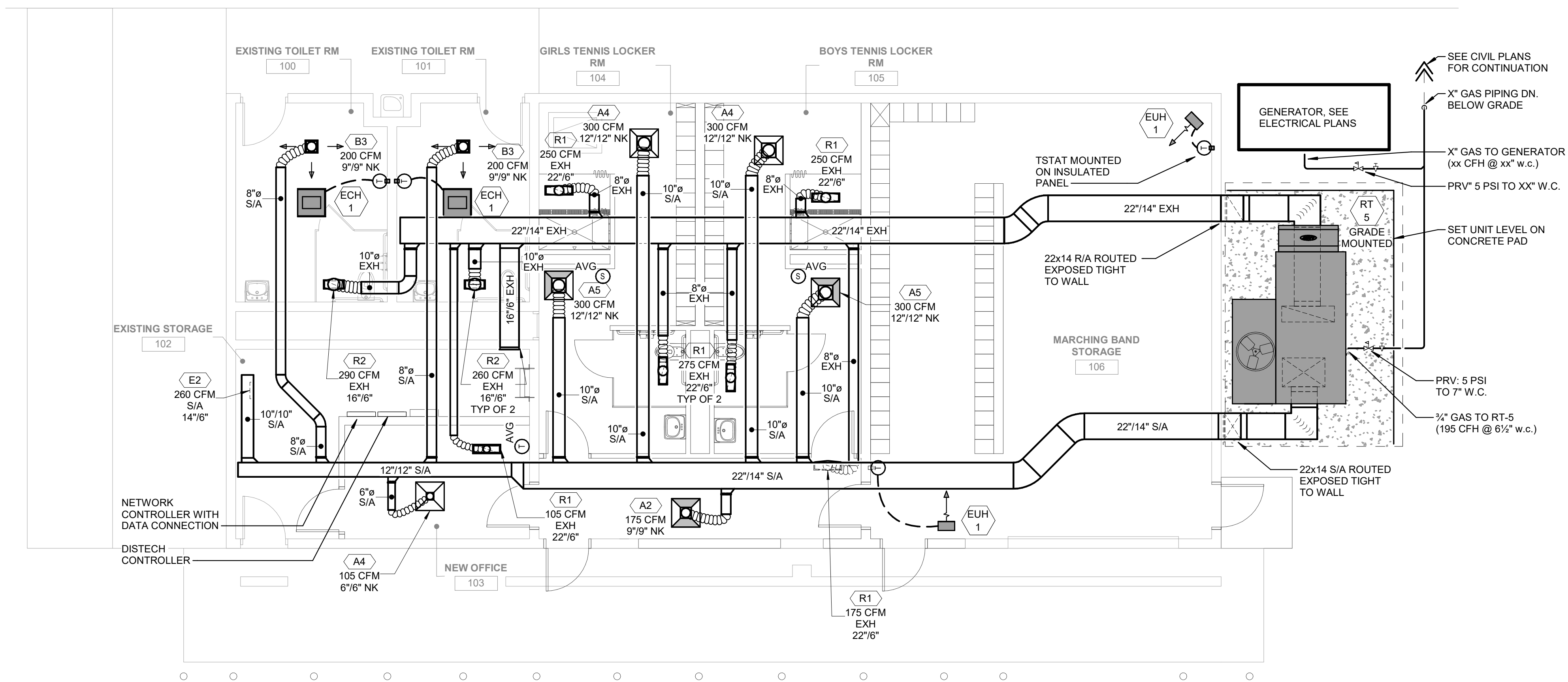
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MECHANICAL HVAC FLOOR PLAN  
TENNIS & MARCHING FACILITY SCALE: 3/16" = 1'-0"



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1.1.0-B

| MECHANICAL EQUIPMENT SCHEDULE |              |           |                                                                      |            |                |              |     |      |    |      |      |      |      |      |              |       |       |      |      |                                |      |     |        |          |           |      |       |        |      |                                  |     |      |      |       |                 |                    |      |          |      |                |      |        |  |  |                     |                  |         |
|-------------------------------|--------------|-----------|----------------------------------------------------------------------|------------|----------------|--------------|-----|------|----|------|------|------|------|------|--------------|-------|-------|------|------|--------------------------------|------|-----|--------|----------|-----------|------|-------|--------|------|----------------------------------|-----|------|------|-------|-----------------|--------------------|------|----------|------|----------------|------|--------|--|--|---------------------|------------------|---------|
| TAG                           | MANUFACTURER | MODEL     | DESCRIPTION                                                          | EFFICIENCY | FAN MOTOR DATA |              |     |      |    |      |      |      |      |      | EXHAUST FANS |       |       |      |      | DX COOLING EQUIPMENT/COIL DATA |      |     |        |          |           |      |       |        |      | GAS FIRED HEATING EQUIPMENT DATA |     |      |      |       | ELECTRICAL DATA |                    |      |          |      |                |      |        |  |  | UNITS CONTROLLED BY | EQUIPMENT WEIGHT | REMARKS |
|                               |              |           |                                                                      |            | CFM            | MIN. OAI CFM | ESP | BHP  | HP | RPM  | CFM  | ESP  | BHP  | HP   | RPM          | MBH   | SHC   | EDB  | EWB  | LDB                            | LWB  | CAT | STAGES | MBH (IN) | MBH (OUT) | EAT  | LAT   | STAGES | LOAD |                                  |     |      | VOLT | PHASE | HZ              | DISCONNECT SWITCH: |      | STARTER: |      |                |      |        |  |  |                     |                  |         |
|                               |              |           |                                                                      |            |                |              |     |      |    |      |      |      |      |      |              |       |       |      |      |                                |      |     |        |          |           |      |       |        | HP   | MCA                              | FLA | MOCP |      |       |                 | M.C.               | E.C. | M.C.     | E.C. |                |      |        |  |  |                     |                  |         |
|                               |              |           |                                                                      |            |                |              |     |      |    |      |      |      |      |      |              |       |       |      |      |                                |      |     |        |          |           |      |       |        |      |                                  |     |      |      |       |                 |                    |      |          |      |                |      |        |  |  |                     |                  |         |
|                               |              |           |                                                                      |            |                |              |     |      |    |      |      |      |      |      |              |       |       |      |      |                                |      |     |        |          |           |      |       |        |      |                                  |     |      |      |       |                 |                    |      |          |      |                |      |        |  |  |                     |                  |         |
| RT-1                          | AAON         | RNA-009-B | ROOF MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (DOAS w/ ERV)         | 16.56 IEER | 2140           | 2140         | 1   | 1.56 | 2  | 2098 | 2140 | 0.5  | 0.88 | 2    | 1306         | 162.3 | 94.8  | 79.7 | 65.7 | 54.2                           | 51.8 | 95  | MOD    | 90       | 72.9      | 48.7 | 90.9  | MOD    |      | 45                               | 40  | 60   | 208  | 3     | 60              | X                  |      | X        |      | FMS            | 1895 | NOTE 1 |  |  |                     |                  |         |
| RT-2                          | AAON         | RNA-007-A | ROOF MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (DOAS w/ ERV)         | 14.8 IEER  | 1630           | 1630         | 1   | 1.23 | 2  | 1818 | 1630 | 0.5  | 0.59 | 1    | 1449         | 121.8 | 70.9  | 79.9 | 65.9 | 55                             | 52.2 | 95  | MOD    | 60       | 72.9      | 48.7 | 90.9  | MOD    |      | 33                               | 28  | 50   | 208  | 3     | 60              | X                  |      | X        |      | FMS            | 1125 | NOTE 2 |  |  |                     |                  |         |
| RT-3                          | AAON         | RQA-005-A | ROOF MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (SZVAV)               | 13.4 SEER2 | 1300           | 325          | 1   | 1.12 | 2  | 1620 | 1300 | 0.5  |      |      |              | 56.4  | 38.7  | 79   | 65.6 | 52.9                           | 51.2 | 95  | MOD    | 90       | 48.6      | 52.5 | 87.8  | MOD    |      | 45                               | 40  | 60   | 208  | 3     | 60              | X                  |      | X        |      | FMS            | 1880 | NOTE 1 |  |  |                     |                  |         |
| RT-4                          | AAON         | RNA-006-A | ROOF MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (DOAS w/ ERV)         | 14.8 IEER  | 1370           | 1370         | 1   | 1.07 | 2  | 1759 | 1370 | 0.5  | 0.41 | 1    | 1296         | 106   | 61.5  | 79.3 | 65.4 | 53.6                           | 51.1 | 95  | MOD    | 90       | 72.9      | 51.2 | 101.4 | MOD    |      | 91                               | 85  | 110  | 240  | 1     | 60              | X                  |      | X        |      | FMS            | 3010 | NOTE 1 |  |  |                     |                  |         |
| RT-5                          | AAON         | RNA-011-B | GRADE MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (DOAS w/ ERV)        | 18.33 IEER | 2920           | 2920         | 1   | 2.28 | 3  | 1812 | 2920 | 0.25 | 0.93 | 2    | 1174         | 204   | 123.9 | 81.8 | 67.1 | 55.9                           | 54   | 95  | MOD    | 195      | 158       | 40.5 | 91.6  | MOD    |      | 91                               | 85  | 110  | 240  | 1     | 60              | X                  |      | X        |      | FMS            | 3010 | NOTE 1 |  |  |                     |                  |         |
| UH-1                          | REZNOR       | UDXC-45   | SUSPENDED GAS FIRED UNIT HEATER                                      |            | 630            |              | 0.1 |      |    |      |      |      |      |      |              |       |       |      |      |                                |      |     |        | 45       | 26.1      | 40   | 95    | 1      |      |                                  | 2.4 |      | 120  | 1     | 60              | X                  |      | X        |      | WALL MTD TSTAT | 65   | NOTE 3 |  |  |                     |                  |         |
| GEF-1                         | GREENHECK    | G-070-E   | ROOF MOUNTED GENERAL EXHAUST FAN - 112 KITCHENETTE                   |            |                |              |     |      |    |      | 135  | 0.35 | 0.02 | 1/15 | 1451         |       |       |      |      |                                |      |     |        |          |           |      |       |        |      | 1.6                              | 1.3 | 15   | 120  | 1     | 60              |                    | X    | X        |      | WALL SWITCH    | 36   | NOTE 4 |  |  |                     |                  |         |
| GEF-2                         | GREENHECK    | G-080-E   | ROOF MOUNTED GENERAL EXHAUST FAN - 122 MAINTENANCE & MECHANICAL ROOM |            |                |              |     |      |    |      | 300  | 0.3  | 0.04 | 1/10 | 1437         |       |       |      |      |                                |      |     |        |          |           |      |       |        |      | 1.6                              | 1.3 | 15   | 120  | 1     | 60              |                    | X    | X        |      | CO SENSOR      | 40   | NOTE 4 |  |  |                     |                  |         |
| TEF-1                         | GREENHECK    | G-070-E   | ROOF MOUNTED TOILET EXHAUST FAN                                      |            |                |              |     |      |    |      | 140  | 0.35 | 0.02 | 1/15 | 1457         |       |       |      |      |                                |      |     |        |          |           |      |       |        |      | 1.6                              | 1.3 | 15   | 120  | 1     | 60              |                    | X    | X        |      | WALL SWITCH    | 36   | NOTE 4 |  |  |                     |                  |         |

- NOTE 1:  
PROVIDE WITH:

  - DX COOLING CAPACITIES INDICATED BASED ON A TOTAL EQUIVALENT COOLING FROM A COMBINATION OF DX SECTION & ERV COOLING
  - INTEGRATED ECONOMIZER WITH DIFFERENTIAL ENTHALPY SENSORS
  - FEEDBACK SIGNAL w/ IECC 2015 COMPLIANT LOW LEAK ECONOMIZER DAMPER.
  - DIGITAL SCROLL (LEAD ONLY) OR VARIABLE SPEED COMPRESSORS
  - S/A & POW EXH DIRECT DRIVE FANS W/VFD, NON-FUSED DISCONNECT SWITCH
  - SHORT CIRCUIT RATING XX K
  - BACnet INTEGRATION CARD
  - PHASE & BROWN-OUT PROTECTION
  - HINGED ACCESS DOORS
  - VIBRATION ISOLATION CURB w/ HUSHCORE
  - DECK DS-53 ACOUSTICAL TREATMENT.
  - POWERED EXHAUST FAN W/BLDG PRESSURIZATION CONTROL.
  - MODULATING HOT GAS REHEAT AND DEHUMIDIFICATION CONTROLS
  - ENERGY RECOVERY WHEEL w/DEFROST & ECONOMIZER BYPASS - SEE HEAT RECOVERY SCHEDULE
  - SCHEDULE
  - FLUE DEFLECTOR
  - METAL MESH OUTSIDE AIR INTAKE HOOD FILTER
  - CONDENSER FAN w/VFD w/HEAD PRESSURE CONTROL & SITE GLASS
  - HAIL CONDENSER COIL GUARD PROTECTION
  - FILTERS: ERV(OAI) - 2" 30%, ERV(EXH) - 2" 30%, EVAPORATOR - 4" MERV 13

SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- NOTE 2:  
PROVIDE WITH:

  - INTEGRATED ECONOMIZER WITH DIFFERENTIAL ENTHALPY SENSORS
  - FEEDBACK SIGNAL w/ IECC 2015 COMPLIANT LOW LEAK ECONOMIZER DAMPER.
  - DIGITAL SCROLL (LEAD ONLY) OR VARIABLE SPEED COMPRESSORS
  - S/A & POW EXH DIRECT DRIVE FANS W/VFD, NON-FUSED DISCONNECT SWITCH
  - SHORT CIRCUIT RATING XX K
  - BACnet INTEGRATION CARD
  - PHASE & BROWN-OUT PROTECTION
  - HINGED ACCESS DOORS
  - VIBRATION ISOLATION CURB w/ HUSHCORE
  - DECK DS-53 ACOUSTICAL TREATMENT.
  - MODULATING HOT GAS REHEAT AND DEHUMIDIFICATION CONTROLS
  - STAINLESS STEEL HEAT EXCHANGER
  - MODULATING GAS w/HIGH TURNDOWN (10:1 MIN
  - FLUE DEFLECTOR
  - METAL MESH OUTSIDE AIR INTAKE HOOD FILTER
  - CONDENSER FAN w/VFD FOR HEAD PRESSURE CONTROL
  - SITE GLASS
  - SINGLE ZONE VAV HEATING & COOLING
  - HAIL CONDENSER COIL GUARD PROTECTION
  - SUPPLY FAN MINIMUM SPEED: 30%
  - COOLING-50% VENTILATION-70% HEATING FILTERS: 4" MERV 13 & 2" MERV 8

SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- NOTE 3:  
PROVIDE WITH:

  - VIBRATION ISOLATION HANGERS
  - CONCENTRIC VENT KIT.

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

NOTE 4:  
PROVIDE WITH:

  - DISCONNECT SWITCH
  - ECM MOTOR WITH POTENTIOMETER
  - SPEED CONTROLLER
  - MOTORIZED DAMPER
  - BIRD SCREEN

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

| HEAT RECOVERY SCHEDULE |             |             |                  |      |        |      |            |        |    |        |             |        |      |        |             |      |        |      |                         |    |     |        |         |        |      |      |      |  |
|------------------------|-------------|-------------|------------------|------|--------|------|------------|--------|----|--------|-------------|--------|------|--------|-------------|------|--------|------|-------------------------|----|-----|--------|---------|--------|------|------|------|--|
| UNIT TAG               | ERV         |             | MIXED SUPPLY AIR |      |        |      | RETURN AIR |        |    |        | EXHAUST AIR |        |      |        | OUTSIDE AIR |      |        |      | HEAT RECOVERY DISCHARGE |    |     |        | REMARKS |        |      |      |      |  |
|                        | COOLING MBH | HEATING MBH | SUMMER           |      | WINTER |      | CFM        | SUMMER |    | WINTER |             | SUMMER |      | WINTER |             | CFM  | SUMMER |      | WINTER                  |    | CFM | SUMMER |         | WINTER |      |      |      |  |
|                        |             |             | DB               | WB   | DB     | WB   |            | DB     | WB | DB     | WB          | DB     | WB   | DB     | WB          |      | DB     | WB   | DB                      | WB |     |        |         |        |      |      |      |  |
|                        |             |             |                  |      |        |      |            |        |    |        |             |        |      |        |             |      |        |      |                         |    |     |        |         |        |      |      |      |  |
| RT-1                   | 73.3        | 169.2       | 2140             | 79.7 | 65.7   | 49.8 | 40.9       | 0      | 75 | 62     | 70          | 53     | 2210 | 90.2   | 71.9        | 9.3  | 9.3    | 2210 | 95                      | 75 | -10 | -11    | 2140    | 79.7   | 65.7 | 49.8 | 40.9 |  |
| RT-2                   | 54.5        | 126.2       | 1630             | 79.9 | 65.9   | 48.7 | 40.1       | 0      | 75 | 62     | 70          | 53     | 1665 | 89.9   | 71.7        | 10.5 | 10.4   | 1665 | 95                      | 75 | -10 | -11    | 1630    | 79.9   | 65.9 | 48.7 | 40.1 |  |
| RT-4                   | 47.7        | 109.6       | 1370             | 79.3 | 65.4   | 51.2 | 41.9       | 0      | 75 | 62     | 70          | 53     | 1400 | 90.5   | 72.1        | 8.1  | 8      | 1400 | 95                      | 75 | -10 | -11    | 1370    | 79.3   | 65.4 | 51.2 | 41.9 |  |
| RT-5                   | 85.3        | 197.6       | 2920             | 81.8 | 67.1   | 40.5 | 34.7       | 0      | 75 | 62     | 70          | 53     | 2915 | 88     | 70.6        | 17.5 | 17.5   | 2915 | 95                      | 75 | -10 | -11    | 2920    | 81.8   | 67.1 | 40.5 | 34.7 |  |

| MECHANICAL EQUIPMENT SCHEDULE - ELECTRIC HEAT                                                                         |              |           |                                         |                                                                                                                       |      |                                   |     |     |       |      |                 |     |      |      |       |    |                    |      |          |      |                     |                  |         |      |                |           |         |
|-----------------------------------------------------------------------------------------------------------------------|--------------|-----------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------|-----------------------------------|-----|-----|-------|------|-----------------|-----|------|------|-------|----|--------------------|------|----------|------|---------------------|------------------|---------|------|----------------|-----------|---------|
| TAG                                                                                                                   | MANUFACTURER | MODEL     | DESCRIPTION                             | FAN DATA                                                                                                              |      | ELECTRIC HEATING EQUIP./COIL DATA |     |     |       |      | ELECTRICAL DATA |     |      |      |       |    |                    |      |          |      | UNITS CONTROLLED BY | EQUIPMENT WEIGHT | REMARKS |      |                |           |         |
|                                                                                                                       |              |           |                                         | S/A CFM                                                                                                               | MBH  | KW                                | EAT | LAT | STEPS | LOAD |                 |     |      | VOLT | PHASE | HZ | DISCONNECT SWITCH: |      | STARTER: |      |                     |                  |         |      |                |           |         |
|                                                                                                                       |              |           |                                         |                                                                                                                       |      |                                   |     |     |       | HP   | MCA             | FLA | MOCP |      |       |    | M.C.               | E.C. | TYPE     | M.C. |                     |                  |         | E.C. |                |           |         |
|                                                                                                                       |              |           |                                         |                                                                                                                       |      |                                   |     |     |       |      |                 |     |      |      |       |    |                    |      |          |      |                     |                  |         |      | PROV. BY:      | PROV. BY: |         |
| ECH-1                                                                                                                 | QMARK        | CDF-542   | RECESSED CEILING MOUNTED CABINET HEATER | 300                                                                                                                   | 13.7 | 4                                 |     |     |       | 1    |                 |     | 16.7 |      | 240   | 1  | 60                 | X    |          |      |                     | X                |         |      | WALL MTD TSTAT | 30        | NOTE 1. |
| EUH-1                                                                                                                 | QMARK        | MUH047225 | SUSPENDED ELECTRIC UNIT HEATER          | 350                                                                                                                   | 17   | 5                                 |     |     |       | 2    |                 |     | 18   |      | 240   | 1  | 60                 | X    |          |      |                     | X                |         |      | WALL MTD TSTAT | 30        | NOTE 2. |
| NOTE 1:<br>PROVIDE WITH:<br>• INTEGRAL TSTAT<br>• DISCONNECT SWITCH<br>SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. |              |           |                                         | NOTE 2:<br>PROVIDE WITH:<br>• WALL MTD TSTAT<br>• DISCONNECT SWITCH<br>SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. |      |                                   |     |     |       |      |                 |     |      |      |       |    |                    |      |          |      |                     |                  |         |      |                |           |         |

| GAS CONNECTION SCHEDULE |          |                                                              |                                     |                   |                |
|-------------------------|----------|--------------------------------------------------------------|-------------------------------------|-------------------|----------------|
| TAG                     | QUANTITY | DESCRIPTION                                                  | LOCATION                            | CAPACITY PER UNIT | TOTAL CAPACITY |
|                         | 1        | GRADE MOUNTED GENERATOR                                      | GRADE                               | 0                 | 0              |
| RT-1                    | 1        | ROOF MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (DOAS w/ ERV) | ROOF                                | 195               | 195            |
| RT-2                    | 1        | ROOF MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (DOAS w/ ERV) | ROOF                                | 90                | 90             |
| RT-3                    | 1        | ROOF MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (SZVAV)       | ROOF                                | 60                | 60             |
| RT-4                    | 1        | ROOF MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (DOAS w/ ERV) | ROOF                                | 90                | 90             |
| UH-1                    | 1        | SUSPENDED GAS FIRED UNIT HEATER                              | 122 - MAINTENANCE & MECHANICAL ROOM | 45                | 45             |
| TOTAL @ 5 PSI:          |          |                                                              |                                     |                   | 480            |

| GAS CONNECTION SCHEDULE - EXISTING BUILDING |          |                                                               |          |                   |                |
|---------------------------------------------|----------|---------------------------------------------------------------|----------|-------------------|----------------|
| TAG                                         | QUANTITY | DESCRIPTION                                                   | LOCATION | CAPACITY PER UNIT | TOTAL CAPACITY |
|                                             | 1        | GRADE MOUNTED GENERATOR                                       | GRADE    | 0                 | 0              |
| RT-5                                        | 1        | GRADE MOUNTED DX COOLING/GAS FIRED ROOFTOP UNIT (DOAS w/ ERV) | GRADE    | 195               | 195            |
| TOTAL @ 5 PSI:                              |          |                                                               |          |                   | 195            |

| GRILLE, REGISTER, & DIFFUSER SCHEDULE |              |       |                         |                   |                      |           |                                               |
|---------------------------------------|--------------|-------|-------------------------|-------------------|----------------------|-----------|-----------------------------------------------|
| TAG                                   | MANUFACTURER | MODEL | DESCRIPTION             | AIR PATTERN       | MOUNTING             | SIZE      | REMARKS                                       |
| A2                                    | NAILOR       | 6500  | SUPPLY CEILING DIFFUSER | 2-WAY             | 2' x 2' LAY-IN PANEL | SEE PLANS | -                                             |
| A4                                    | NAILOR       | 6500  | SUPPLY CEILING DIFFUSER | 4-WAY             | 2' x 2' LAY-IN PANEL | SEE PLANS | -                                             |
| A5                                    | NAILOR       | 6500  | SUPPLY CEILING DIFFUSER | 2-WAY CORNER      | 2' x 2' LAY-IN PANEL | SEE PLANS | -                                             |
| A8                                    | NAILOR       | 6500  | SUPPLY CEILING DIFFUSER | 3-WAY             | 2' x 1' LAY-IN PANEL | SEE PLANS | -                                             |
| B3                                    | NAILOR       | 6500  | SUPPLY CEILING DIFFUSER | 3-WAY             | SURFACE-MOUNTED      | SEE PLANS | -                                             |
| E2                                    | NAILOR       | 61DH  | SUPPLY REGISTER         | DOUBLE DEFLECTION | SURFACE-MOUNTED      | SEE PLANS | HORIZONTAL FRONT BARS, VERTICAL BACK BARS     |
| K1                                    | NAILOR       | 61DHC | SUPPLY REGISTER         | DOUBLE DEFLECTION | DUCT-MOUNTED         | SEE PLANS | PROVIDE W/ MILL FINISH, ALUMINUM CONSTRUCTION |
| K2                                    | NAILOR       | 61DHC | SUPPLY REGISTER         | DOUBLE DEFLECTION | DUCT-MOUNTED         | SEE PLANS | PROVIDE W/ MILL FINISH, ALUMINUM CONSTRUCTION |
| R1                                    | NAILOR       | 6145H | RETURN/EXHAUST REGISTER | LOUVERED GRILLE   | LAY-IN PANEL         | SEE PLANS | ALUMINUM CONSTRUCTION                         |
| R2                                    | NAILOR       | 6145H | RETURN/EXHAUST REGISTER | LOUVERED GRILLE   | SURFACE-MOUNTED      | SEE PLANS | ALUMINUM CONSTRUCTION                         |



DATE  
10/02/2026

NEW LOCKER ROOM FACILITY & RENOVATION TO  
THE EXISTING RESTROOM FACILITY AT  
MERRILLVILLE

SYMBOL LIST

| SYMBOL | DESCRIPTION                                               |
|--------|-----------------------------------------------------------|
|        | SQUARE TO ROUND TRANSITION                                |
|        | NEW DUCTWORK                                              |
|        | DUCT TRANSITION                                           |
|        | FLEXIBLE DUCTWORK                                         |
|        | SUPPLY OR OUTSIDE AIR DUCT DOWN                           |
|        | SUPPLY OR OUTSIDE AIR DUCT UP                             |
|        | RETURN OR EXHAUST OR RELIEF DUCT DOWN                     |
|        | RETURN OR EXHAUST OR RELIEF DUCT UP                       |
|        | RETURN OR EXHAUST REGISTER                                |
|        | SUPPLY AIR DIFFUSER                                       |
|        | SUPPLY AIR DIFFUSER<br>(SHADING INDICATES BLANK-OFF SIDE) |
|        | AUTOMATIC (MOTORIZED) DAMPER                              |
|        | FIRE DAMPER                                               |
|        | SEE SCHEDULES                                             |
|        | SHEET NOTE                                                |
|        | DUCT SMOKE DETECTORS                                      |
|        | NON ADJUSTABLE THERMOSTAT                                 |
|        | HUMIDISTAT                                                |
|        | THERMOSTAT - ADJUSTABLE                                   |
|        | THERMOSTAT w/WIREMOLD                                     |
|        | REVERSE ACTING THERMOSTAT                                 |
|        | THERMOSTAT w/ COVER GUARD                                 |
|        | GAS PIPING                                                |
|        | REFRIGERANT PIPE                                          |
|        | PIPING SLOPED DOWN                                        |
|        | PIPE TURNED UP                                            |
|        | PIPE TURNED DOWN                                          |
|        | GAS METER                                                 |
|        | SHUT-OFF VALVE                                            |
|        | GAS COCK                                                  |
|        | PRESSURE REDUCING VALVE                                   |

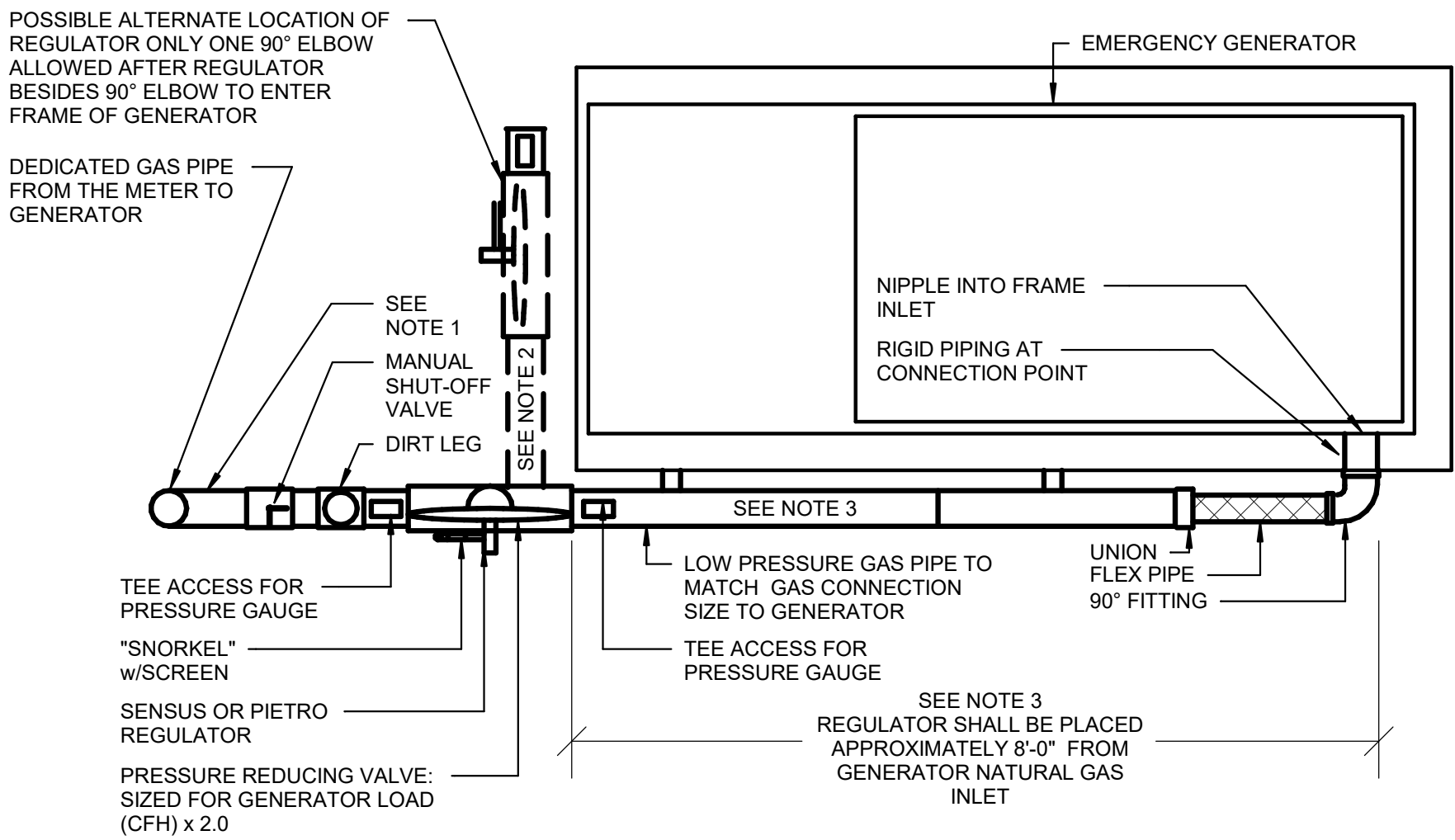
ABBREVIATIONS LIST

|      |                               |
|------|-------------------------------|
| AD   | AUTOMATIC (MOTORIZED) DAMPER  |
| AC   | AIR CONDITIONING              |
| AFF  | ABOVE FINISHED FLOOR          |
| AL   | ALUMINUM                      |
| BJA  | BETWEEN JOIST ABOVE           |
| CAI  | COMBUSTION AIR INTAKE         |
| CAT  | CONDENSING AIR TEMPERATURE    |
| CD   | CONDENSATE DRAIN              |
| CFH  | CUBIC FEET PER HOUR           |
| CFM  | CUBIC FEET PER MINUTE         |
| CH   | CABINET HEATER                |
| CTE  | CONNECT TO EXISTING           |
| DN   | DOWN                          |
| DOAS | DEDICATED OUTSIDE AIR SYSTEM  |
| DS   | DISCONNECT SWITCH             |
| DX   | DIRECT EXPANSION              |
| EAT  | ENTERING AIR TEMPERATURE      |
| EC   | ELECTRICAL CONTRACTOR         |
| EDB  | ENTERING DRY BULB TEMPERATURE |
| ERV  | ENERGY RECOVERY VENTILATOR    |
| ESP  | EXTERNAL STATIC PRESSURE      |
| EWB  | ENTERING WET BULB TEMPERATURE |
| EX   | EXISTING                      |
| EXH  | EXHAUST                       |
| F    | FURNACE                       |
| FC   | FLEXIBLE CONNECTION           |
| FD   | FIRE DAMPER                   |
| FPM  | FEET PER MINUTE               |
| FMS  | FACILITY MANAGEMENT SYSTEM    |
| G    | NATURAL GAS                   |
| GEF  | GENERAL EXHAUST FAN           |
| GPM  | GALLONS PER MINUTE            |
| HP   | HORSE POWER                   |
| HZ   | HERTZ                         |
| LAT  | LEAVING AIR TEMPERATURE       |
| LDB  | LEAVING DRY BULB TEMPERATURE  |
| LV   | LOUVER                        |
| LWB  | LEAVING WET BULB TEMPERATURE  |
| MBH  | 1,000 BTU/HOUR                |
| MC   | MECHANICAL CONTRACTOR         |
| MD   | MANUAL DAMPER                 |
| MOD  | MODULATING                    |
| NK   | NECK                          |
| NO   | NORMALLY OPEN                 |
| NTS  | NOT TO SCALE                  |
| O/A  | OUTSIDE AIR                   |
| OAI  | OUTSIDE AIR INTAKE            |
| OBD  | OPPOSED BLADE DAMPER          |
| PC   | PLUMBING CONTRACTOR           |
| PRV  | PRESSURE REDUCING VALVE       |
| PS   | PRESSURE SENSOR               |
| R/A  | RETURN AIR                    |
| RPM  | REVOLUTIONS PER MINUTE        |
| RT   | ROOFTOP UNIT                  |
| S/A  | SUPPLY AIR                    |
| SHC  | SENSIBLE HEAT CAPACITY        |
| T/A  | TRANSFER AIR                  |
| TC   | TEMPERATURE CONTROL           |
| TEF  | TOILET EXHAUST FAN            |
| TJA  | THRU JOIST ABOVE              |
| TSP  | TOTAL STATIC PRESSURE         |
| TYP  | TYPICAL                       |
| UD   | UNDERCUT DOOR                 |
| UH   | UNIT HEATER                   |
| V    | VENT                          |
| VC   | VENT CONNECTOR                |
| WC   | WATER COLUMN                  |

GENERAL NOTES

- A. WORK SHALL COMPLY WITH LOCAL, MUNICIPAL, AND STATE HVAC CODES AND LIFE SAFETY CODE FOR SCHOOLS.
- B. COMMISSIONING: THE OWNER WILL HIRE A COMMISSIONING AGENCY (CXA) TO COMMISSION THE MECHANICAL SYSTEMS FOR THIS PROJECT. THE CXA WILL DEVELOP A COMMISSIONING PLAN THAT WILL OUTLINE THE REQUIREMENTS AND PROCEDURES FOR EACH COMMISSIONED SYSTEM AND WILL BE RESPONSIBLE THAT THE COMMISSIONING MEETS THE REQUIREMENTS OF THE CURRENT ENERGY CODE. THE COMMISSIONING PLAN WILL BE DEVELOPED AFTER CONTRACTS HAVE BEEN AWARDED AND PRIOR TO COMPLETION OF THE SYSTEMS TO BE COMMISSIONED.
- C. THE SCOPE OF WORK SPECIFIED HEREIN AND IN THE SPECIFICATIONS SHALL BE PERFORMED UNDER THE DIRECTION OF A CONSTRUCTION MANAGER. REFER TO THE CONSTRUCTION MANAGER'S INSTRUCTIONS AND DIRECTIONS FOR DETAILS RELATING TO THE EXACT SCOPE OF EACH TRADE. ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND CONSTRUCTION MANAGER'S DIRECTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR CLARIFICATION. THE ARCHITECT/ENGINEER'S DECISION SHALL BE FINAL.
- D. LAYOUT IS DIAGRAMMATIC AND CONTRACTOR SHALL INSTALL DUCTWORK, PIPING AND EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS. REVIEW PROJECT SPECIFICATIONS BEFORE STARTING ANY WORK. SUBMIT SHOP DRAWINGS OF WORK AS PER SPECIFICATIONS.
- E. LAYOUT WORK TO AVOID CONFLICTS BETWEEN DUCTWORK, LIGHTING, CEILINGS, PIPING AND BUILDING STRUCTURE.
- F. COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS (VOLTAGES, PHASE, LOAD, ETC.) BEFORE ORDERING ANY EQUIPMENT.
- G. COORDINATE EXACT LOCATION OF CEILING REGISTERS, GRILLES AND DIFFUSERS WITH LIGHTING LAYOUT, SPRINKLER HEADS, AND CEILING GRID. SEE ARCHITECTURAL REFLECTED CEILING PLAN. VERIFY EXACT LOCATION IN FIELD PRIOR TO INSTALLATION. VERIFY CEILING STYLES AND TYPES BEFORE ORDERING REGISTERS, GRILLES AND DIFFUSERS. PROVIDE APPROPRIATE FRAME STYLES AS REQUIRED TO MATCH CEILING STYLE AND TYPES. SET ADJUSTABLE BLADES AS REQUIRED FOR OPTIMUM AIR PATTERN AND TO PREVENT DRAFTS. THE MINIMUM DISTANCE BETWEEN SUPPLY DIFFUSERS/REGISTERS AND SMOKE OR HEAT DETECTORS IS TO BE A MINIMUM OF 3'. COORDINATE WITH FIRE ALARM SYSTEM AS REQUIRED.
- H. ROUTE DUCTWORK AS HIGH AS POSSIBLE TO AVOID CONFLICTS WITH OTHER TRADES. ROUTE DUCTWORK BETWEEN AND THROUGH JOIST SPACES AND BETWEEN LIGHT FIXTURES AS REQUIRED. VERIFY CONDITIONS AND DUCTWORK ROUTING IN FIELD PRIOR TO INSTALLATION.
- I. DUCTWORK, PIPING, EQUIPMENT, ETC. SHALL NOT BE SUPPORTED FROM THE BOTTOM CHORD OF ENGINEERED JOISTS WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- J. FLEXIBLE DUCTWORK SHALL BE UL LABELED FOR USE IN RETURN AIR PLENUM. ACOUSTICAL FLEXIBLE DUCTWORK AT THE INLET TO AIR DIFFUSERS MAY BE USED. FLEXIBLE CONNECTIONS SHALL BE 5'-0" MAXIMUM LENGTH, AND SHALL BE SUPPORTED WHERE REQUIRED TO PREVENT MOVEMENT.
- K. PROVIDE MANUAL BALANCING DAMPERS AT EACH LOW PRESSURE SUPPLY AIR, RETURN AIR AND EXHAUST DUCTWORK TAKE-OFF INCLUDING TAKEOFFS TO EACH AIR DISTRIBUTION DEVICE. DAMPERS SHALL HAVE LOCKING QUADRANT REGULATORS WITH SPRING LOADED END BEARING. INSTALLATION SHALL BE RATTLE FREE. BE RESPONSIBLE FOR LOCATING BALANCING DEVICES AND COORDINATE LOCATIONS FOR TESTING AND BALANCING.
- L. VERIFY EXACT THERMOSTAT AND SENSOR LOCATIONS IN FIELD PRIOR TO ROUGH-IN OR INSTALLATION. CONTROL WIRING TO BE ROUTED IN CONDUIT.
- M. PROVIDE AGA APPROVED GAS REGULATOR AT EQUIPMENT REQUIRING LOWER GAS PRESSURE THAN PROVIDED, INCLUDING PIPING BRANCHES SERVING EXISTING EQUIPMENT AND APPLIANCES TO REMAIN. EXTEND GAS REGULATOR VENTS LINE SIZE TO ATMOSPHERE AS REQUIRED. DO NOT COMBINE VENT LINES.
- N. COORDINATE PHASING OF WORK AND PROVIDE TEMPORARY EQUIPMENT, DUCTWORK AND PIPING AS REQUIRED FOR THE IMPLEMENTATION OF WORK WHILE MAINTAINING SERVICES TO PORTIONS OF BUILDING TO REMAIN OCCUPIED.
- O. SCHEDULE WORK TO AVOID DOWNTIME AND INCONVENIENCE TO OWNER. OWNER'S EXISTING FACILITY SHALL REMAIN IN OPERATION AT ALL TIMES. REQUIRED SHUTDOWN OF EXISTING UTILITIES SHALL BE SCHEDULED WITH OWNER'S OPERATING PERSONNEL. NOTIFY OWNER'S REPRESENTATIVE 48 HOURS IN ADVANCE PRIOR TO ANY SHUTDOWN OF EXISTING MECHANICAL SYSTEMS.
- P. VISIT SITE PRIOR TO BIDDING TO FULLY DETERMINE FIELD CONDITIONS AND TO VERIFY EXISTING MECHANICAL SYSTEMS INCLUDING QUANTITIES AND LOCATIONS TO DETERMINE THE FULL EXTENT OF NEW AND DEMOLITION WORK.
- Q. COORDINATE NEW INSTALLATIONS WITH EXISTING SYSTEMS. ANY EXISTING CONDUIT, PIPING, DUCTWORK, EQUIPMENT, ETC., SHALL BE REWORKED AS REQUIRED TO AVOID CONFLICTS WITH THE INSTALLATION OF THE NEW MECHANICAL SYSTEMS. NO EXTRAS WILL BE ALLOWED AFTER BIDDING FOR ANY REWORK OF EXISTING FIELD CONDITIONS TO RESOLVE ANY CONFLICTS OR NOT FULLY UNDERSTANDING THE SCOPE OF THE WORK REQUIRED. EXISTING EQUIPMENT, DUCTWORK, PIPING, ETC., SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET SCOPE OF NEW WORK.
- R. EXISTING INFORMATION IDENTIFIED ON THE CONTRACT DOCUMENTS IS SCHEMATIC ONLY. BE RESPONSIBLE TO PROPERLY ADDRESS EXISTING CONDITIONS FOR A COMPLETE AND PROPER INSTALLATION OF NEW SYSTEMS. EXISTING EQUIPMENT NOT IDENTIFIED SHALL BE REMOVED AS TO WHETHER THE EQUIPMENT SHALL REMAIN AND BE RECONNECTED TO THE NEW SERVICES, BE RELOCATED, BE ABANDONED, ETC.
- S. ANY HIDDEN CONDITIONS IDENTIFIED THROUGH THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPORTED IN WRITTEN FORM FOR REVIEW AND DIRECTION. OTHERWISE, BE RESPONSIBLE FOR ANY AND REQUIRED CHANGES AND COSTS TO CORRECT SAID HIDDEN CONDITION.
- T. REMOVE EXISTING EQUIPMENT, PIPING, DUCTWORK, ETC. PRESENTLY SERVING AREAS THAT ARE BEING RENOVATED AND THAT ARE NOT REQUIRED TO STAY IN SERVICE. NO EQUIPMENT, DUCTWORK, PIPING, SUPPORTS, HANGERS, ETC. IS TO BE LEFT ABANDONED. VERIFY QUANTITY, LOCATION AND ELEVATION OF EXISTING TO BE REMOVED IN FIELD. REMOVE EXISTING ABANDONED EQUIPMENT, DUCTWORK AND PIPING IN AREAS THAT ARE TO BE RENOVATED.
- U. EXISTING EQUIPMENT SHALL REMAIN PROPERTY OF THE OWNER AND OWNER SHALL DETERMINE IF EQUIPMENT IS TO BE STORED ON SITE AT OWNER SELECTED LOCATION OR IF EQUIPMENT IS TO BE ABANDONED OR REMOVED FROM SITE.
- V. PATCH EXISTING CEILING, FLOOR, WALL AND ROOF OPENINGS AND SURROUNDING FINISHES RESULTING FROM REMOVAL OF EXISTING MATERIALS AND EQUIPMENT SO THAT FINISH WILL MATCH EXISTING IN SURROUNDING AREAS. OPENINGS IN MASONRY WALLS RESULTING FROM REMOVED THERMOSTATS ARE TO BE COVERED WITH A BLANK STAINLESS STEEL COVER PLATE. P IN CORNERS OF ROOMS.
- W. PROVIDE CUTTING, CORE DRILLING AND PATCHING OF EXISTING WALL AND ROOF CONSTRUCTIONS REQUIRED FOR THE INSTALLATION OF NEW DUCTWORK, PIPING AND EQUIPMENT. SEAL PENETRATIONS THROUGH WALL AND ROOF STRUCTURE WATERTIGHT AND WITH AN APPROVED FIRE STOPPING MATERIAL, INCLUDING APPROVED FIRE RATED SLEEVE.
- X. PROVIDE STEEL LINTELS FOR NEW OPENINGS THROUGH EXISTING MASONRY WALLS AS REQUIRED. LINTELS TO BE AS FOLLOWS UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS: TWO (2) 3-1/2"x3-1/2"x 5/16" ANGLES WITH 5/16" PLATE (1/2" LESS THAN WALL THICKNESS). PROVIDE W8x10 WITH 5/16" PLATE FOR OPENINGS ABOVE 48" WIDE.
- Y. WORK ON THE ROOF SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE EXISTING ROOFING MANUFACTURER'S RECOMMENDATIONS. ROOF WORK SHALL BE PERFORMED BY CERTIFIED INSTALLERS AS TO MAINTAIN THE EXISTING ROOF WARRANTY. PRIOR TO THE START OF ANY WORK ON THE ROOF, EXISTING ROOF SHALL BE INSPECTED AND CERTIFIED BY THE EXISTING ROOFING MANUFACTURER. ANY DEFICIENCIES WHICH OCCUR BETWEEN THE INITIAL AND FINAL INSPECTIONS SHALL BE CORRECTED AT NO COST TO THE OWNER. CORRECTIVE MEASURES SHALL BE PERFORMED BY CERTIFIED INSTALLERS TO MAINTAIN THE EXISTING ROOF WARRANTY.
- Z. MOUNT NEW THERMOSTATS IN EXISTING SPACES AT LOCATIONS VACATED BY OLD THERMOSTAT WHEN POSSIBLE. REUSE EXISTING CONDUIT IF FOUND TO BE IN GOOD CONDITION.
- AA. PROVIDE AN APPROVED SURFACE MOUNTED RACEWAY AS REQUIRED FOR INSTALLATION OF NEW THERMOSTATS ON EXISTING WALLS TO CONCEAL CONTROL WIRING. SUBMIT SAMPLE OF RACEWAY FOR REVIEW. COORDINATE ROUTING OF RACEWAYS WITH EXISTING BUILDING CONDITIONS AND ADJUST ROUTING TO AVOID CONFLICTS AND TO MINIMIZE THE AMOUNT OF EXPOSED SURFACE MOUNTED RACEWAY.
- BB. PROVIDE CONCRETE EQUIPMENT PADS FOR EQUIPMENT INDICATED ON DRAWINGS. COORDINATE LOCATIONS BEFORE INSTALLATION. PADS ARE TO BE DESIGNED WITH REINFORCEMENT TO HANDLE THE WEIGHT OF THE EQUIPMENT BEING SUPPORTED. EXTERIOR CONCRETE PADS TO BE PROVIDED WITH FROST WALLS (MINIMUM OF 48" BELOW GRADE).
- CC. PROVIDE WATERTIGHT 4" HIGH CONCRETE CURBS AROUND DUCTWORK AND PIPING FLOOR OPENINGS IN MECHANICAL ROOMS LOCATED ABOVE FINISHED SPACES.
- DD. PROVIDE CONDENSATE PIPING FROM ROOF TOP HVAC UNITS, COOLING COIL DRAIN PANS, FURNACES, ETC. AS REQUIRED TO ROOF. NEAREST DRAIN OR TO WHERE INDICATED ON DRAWINGS. THE PIPING IS TO BE THE SAME SIZE AS THE EQUIPMENT CONNECTION SIZE. PROVIDE TRAPS IN CONDENSATE PIPING PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
- EE. PROVIDE CONDENSATE PUMPS, RECEIVERS, PIPING AND ELECTRICAL CONNECTIONS AS REQUIRED AT EQUIPMENT WHERE EQUIPMENT DRAINS CANNOT BE DRAINED BY GRAVITY DUE TO FIELD CONDITIONS.
- FF. ADJUST NEW ROOF-TOP EQUIPMENT LOCATIONS BEING INSTALLED ON ROOF LOCATIONS AS REQUIRED TO COORDINATE WITH STRUCTURAL CONDITIONS. PROVIDE OUTSIDE AIR-INTAKE EXTENSIONS WITH DUCTWORK SUPPORTS AS REQUIRED TO MAINTAIN MINIMUM 10 FEET CLEARANCE BETWEEN OUTSIDE AIR INTAKE OPENING AND ANY EXHAUST OR VENT LOCATION. COORDINATE DUCTWORK INSTALLATION BETWEEN STRUCTURAL JOISTS, CEILING AND LIGHT FIXTURES AS REQUIRED. PROVIDE INCREASE HEIGHT ROOF CURBS AS REQUIRED TO DUCTWORK TRANSITIONS TO ALLOW INSTALLATION BETWEEN STRUCTURAL COMPONENTS, IF NECESSARY.
- GG. PROVIDE VENT PIPING FROM ALL GAS PRESSURE REDUCING STATIONS. PIPING TO BE ROUTED TO THE EXTERIOR OF BUILDING AS REQUIRED. MULTIPLE RELIEFS ARE TO BE PIPED INDIVIDUALLY, NOT GROUPED TOGETHER IN A COMMON HEADER. THE PIPING IS TO BE SAME SIZE AS RELIEF CONNECTION TO EQUIPMENT. TERMINATION LOCATION TO MEET ALL CODE REQUIREMENTS AND BE APPROVED BY ARCHITECT.
- HH. PROVIDE RELIEF VENT PIPING FOR REFRIGERATION EQUIPMENT. PIPING TO BE ROUTED TO THE EXTERIOR OF BUILDING AS REQUIRED. MULTIPLE RELIEFS ARE TO BE PIPED INDIVIDUALLY, NOT GROUPED TOGETHER IN A COMMON HEADER. THE PIPING IS TO BE SAME SIZE AS RELIEF CONNECTION TO EQUIPMENT. TERMINATION LOCATION TO MEET CODE REQUIREMENTS AND BE APPROVED BY ARCHITECT.
- II. REMOVE EXISTING DOORS AND PORTIONS OF WALLS, CEILINGS, ETC. AS REQUIRED TO INSTALL NEW MATERIAL AND EQUIPMENT IN EXISTING LOCATIONS. REBUILD WALLS, CEILINGS AND REINSTALL EXISTING DOORS AS REQUIRED AFTER INSTALLATION OF NEW MATERIAL AND EQUIPMENT. PATCH AND FINISH TO MATCH EXISTING.
- JJ. PROVIDE ROOF PIPING SUPPORTS FOR PIPING ROUTED ALONG ROOF. SINGLE PIPE SUPPORTS TO BE EQUIVALENT TO PORTABLE PIPE HANGER, INC. TYPE PP-10 ROLLER GUIDE SUPPORT. MULTIPLE PIPE SUPPORTS TO BE EQUIVALENT TO PORTABLE PIPE HANGER, INC. TYPE PP10 CHANNEL GUIDE SUPPORT. SUPPORTS ARE TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. SUPPORTS TO BE COMPATIBLE WITH AND MAINTAIN THE INTEGRITY (AND EXISTING WARRANTY IF APPLICABLE) OF THE EXISTING OR NEW ROOF SYSTEM.

TYPICAL GAS PIPING PLAN AT GENERATOR DETAIL



NOTES:

(NTS)

- HIGH PRESSURE PIPING (UPSTREAM OF REGULATOR)
  - GAS METER AND PRIMARY REGULATOR MUST MEET THE PRESSURE AND FLOW REQUIREMENTS OF BUILDING LOADS INCLUDING THE GENERATOR AT 100% LOAD.
  - HIGH PRESSURE GAS PIPING SHALL BE FIRST-IN-LINE OFF THE UTILITY GAS METER AND BE A DESIGNATED GAS PIPING FEED DIRECTLY INTO THE GENERATOR PRIMARY REGULATOR. NO OTHER EQUIPMENT SHALL BE FED FROM THE DESIGNATED GENERATOR GAS PIPING FEED.
  - LENGTH OF PIPE ENTERING REGULATOR SHALL BE A MINIMUM 3-5 TIMES PIPE DIAMETER.
- GAS REGULATOR:
  - SELECT A DIRECT ACTING REGULATOR THAT WILL DELIVER APPROXIMATELY 2.0 TIMES THE MAXIMUM GAS FLOW REQUIRED BY THE GENERATOR WITH 1'-2" WC PRESSURE DROP AT THE EXPECTED NOMINAL UPSTREAM AND DOWNSTREAM GAS PRESSURES.
  - THE DIAMETER OF THE REGULATOR OUTLET MUST NOT BE MORE THAN ONE NOMINAL SIZE SMALLER THAN THE DIAMETER OF THE LOW PRESSURE PIPING IMMEDIATELY DOWNSTREAM OF THE REGULATOR.
  - REGULATOR SHALL BE PLACED APPROXIMATELY 8' FROM GENERATOR NATURAL GAS INLET.
  - GENERATOR PRIMARY REGULATOR SHALL BE MANUFACTURED BY SENSUS OR PIETRO WITH INTERNAL REGISTRATION AND POSITIVE LOCK OUT FEATURE TO PREVENT GAS CREEP.
  - GENERATOR REGULATOR SHALL BE SIZED TO SUPPLY THE MINIMUM RECOMMENDED FLOW (2 X 100% SCFH LOAD CONSUMPTION).
  - LENGTH OF PIPE EXITING REGULATOR SHALL BE A MINIMUM 8-10 TIMES PIPE DIAMETER BEFORE ANY ELBOW.
  - LOW PRESSURE PIPE SIZING SHALL ALLOW NO MORE THAN 0.5" WC PRESSURE DROP BETWEEN REGULATOR & GENERATOR.
  - PROVIDE APPROXIMATELY 8 FEET OF PIPE BETWEEN THE REGULATOR & GENERATOR. FOR INSTALLATIONS WHERE IT IS IMPRACTICAL, COUPLING UP TO LARGER DIAMETER PIPE IS A PRACTICAL METHOD TO INCREASE GAS VOLUME BETWEEN REGULATOR & GENERATOR.
  - THE FLEXIBLE FUEL LINE SHALL BE STRAIGHT AS POSSIBLE. IT IS NOT INTENDED TO CORRECT MISALIGNED PIPE SECTIONS OR TO SERVE AS AN ELBOW.
- GENERATOR WATER COLUMN & PRESSURE REGULATOR REQUIREMENT:
  - IF GENERATOR WATER COLUMN REQUIREMENT RANGE IS 7'-11" W.C. SET STATIC PRESSURE OF REGULATOR AT 11" W.C.
  - IF GENERATOR WATER COLUMN REQUIREMENT RANGE IS 11'-14" W.C. SET STATIC PRESSURE OF REGULATOR AT 14" W.C.
  - IF GENERATOR WATER COLUMN REQUIREMENT RANGE IS 16'-20" W.C. SET STATIC PRESSURE OF REGULATOR AT 20" W.C.
- FOLLOW ALL INTERNATIONAL FUEL GAS CODE (IFGC) RECOMMENDATIONS FOR PIPING.
- ALL PIPING SHALL BE SCHEDULE 40
- ALL FITTINGS SHALL BE MALLEABLE IRON.



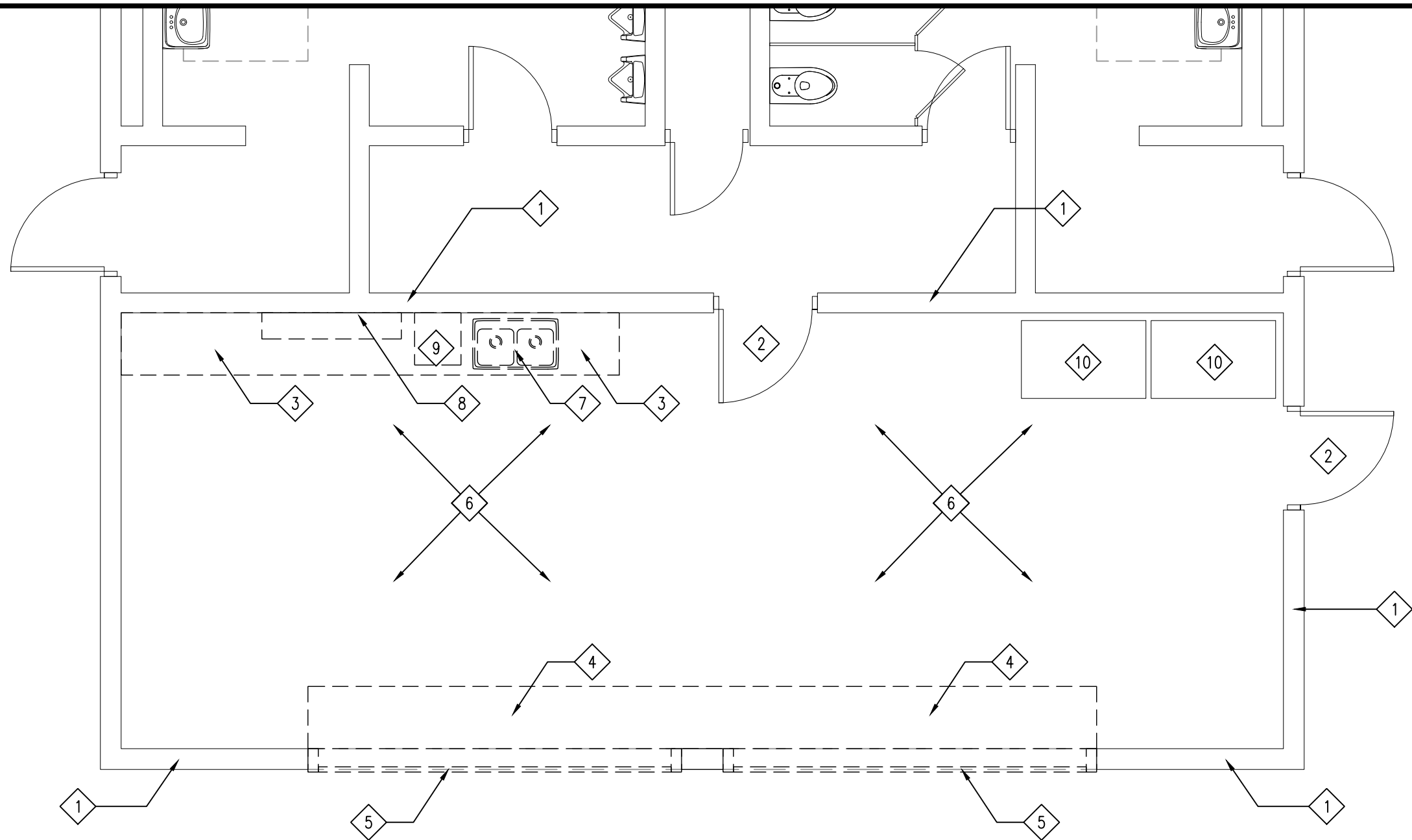
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NEW LOCKER ROOM FACILITY & RENOVATION TO  
THE EXISTING RESTROOM FACILITY AT  
MERRILLVILLE HIGH SCHOOL  
276 E. 68TH PLACE  
MERRILLVILLE, IN 46410

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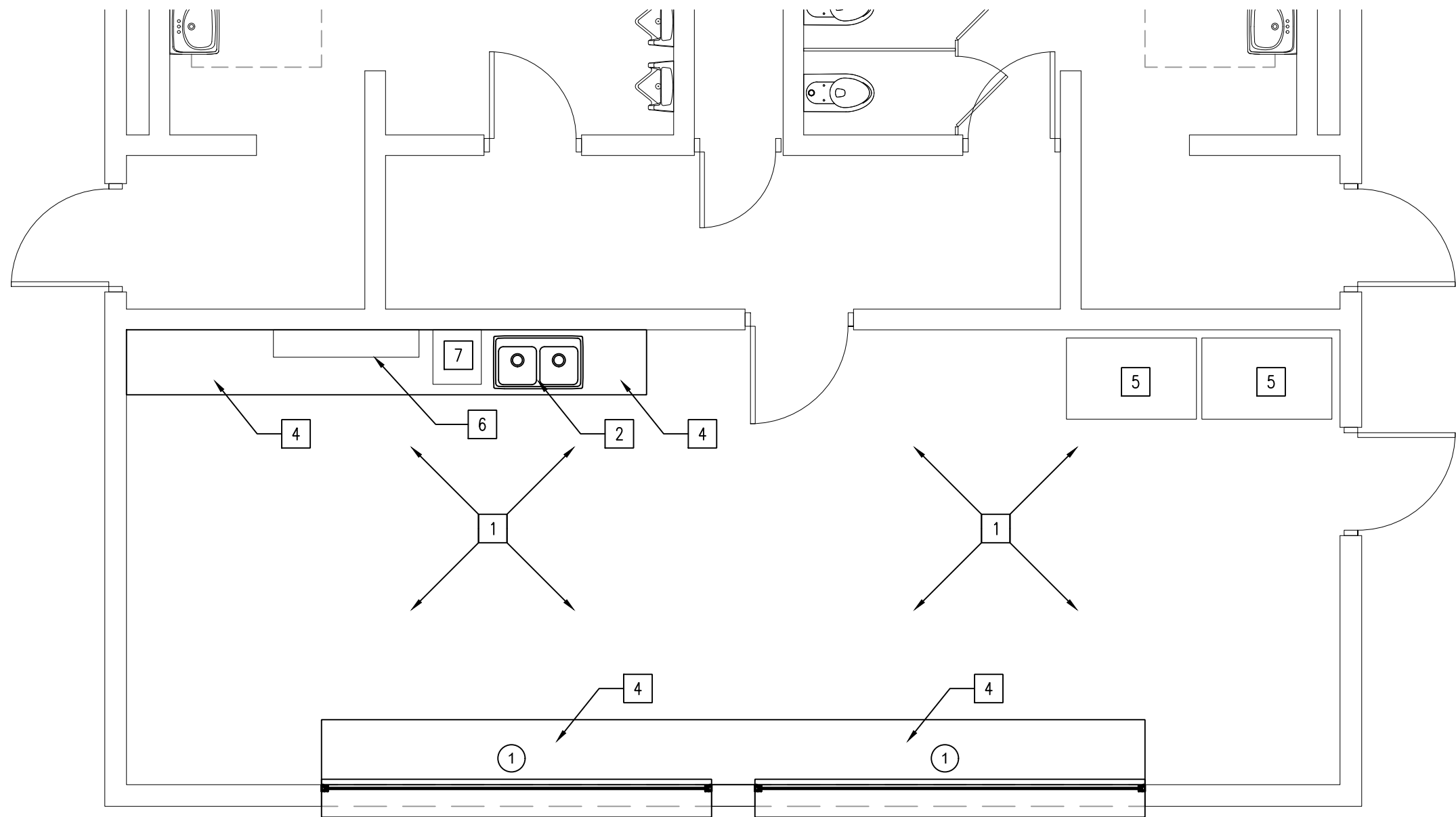
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## PARTIAL FLOOR PLAN

DEMOLITION

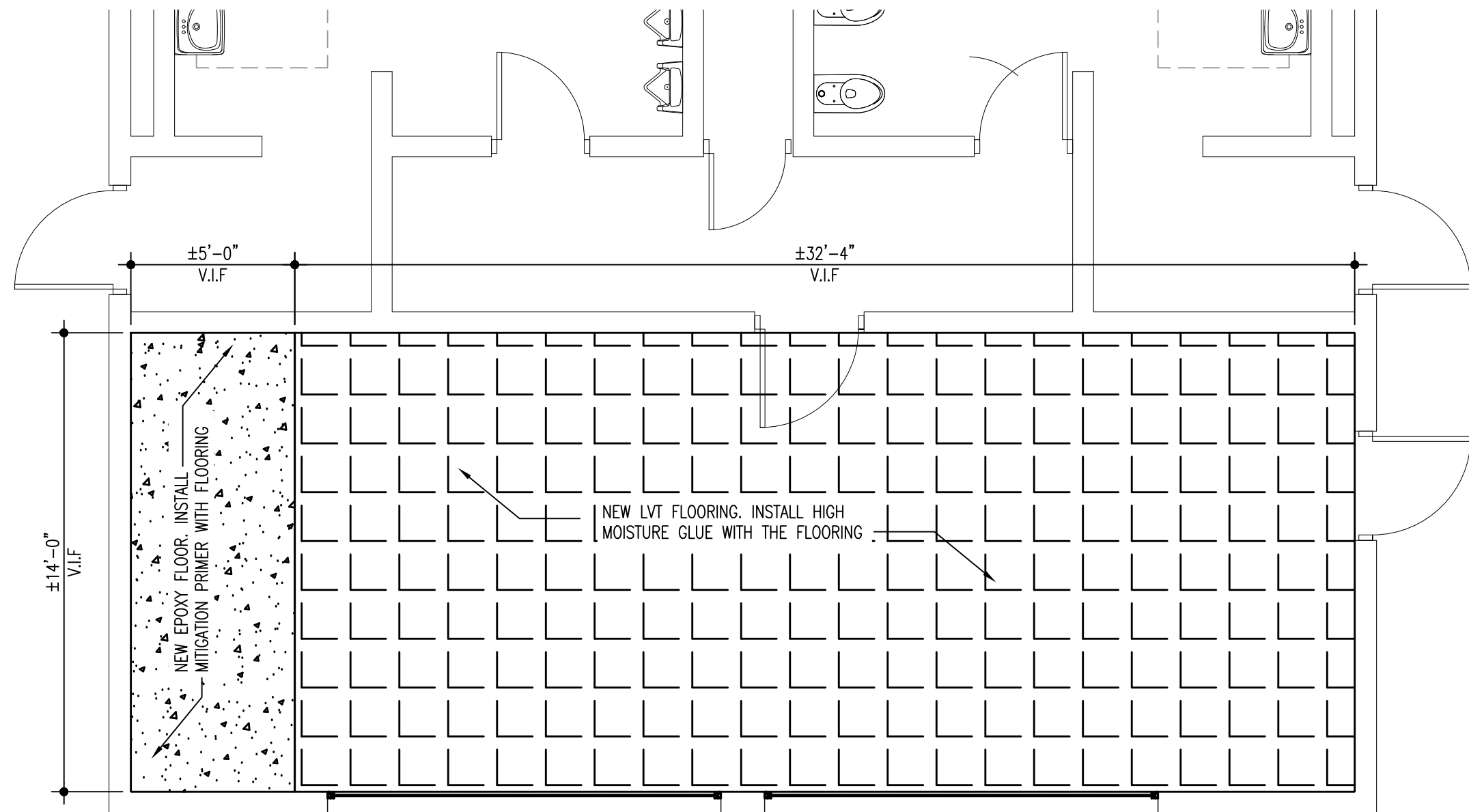
SCALE: 1/4" = 1'-0"



## PARTIAL FLOOR PLAN

NEW CONSTRUCTION

SCALE: 1/4" = 1'-0"



## PARTIAL FLOOR FINISH PLAN

NEW CONSTRUCTION

SCALE: 1/4" = 1'-0"



### DEMOLITION GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS PRIOR TO CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
2. DO NOT SCALE THE DRAWINGS.
3. CONTRACTOR IS RESPONSIBLE TO PROTECT ALL WORK FROM DAMAGE DURING CONSTRUCTION.
4. VERIFY ANY ELECTRICAL/MECHANICAL/PLUMBING REMOVAL PRIOR TO DEMOLITION.

### DEMOLITION KEYED NOTES:

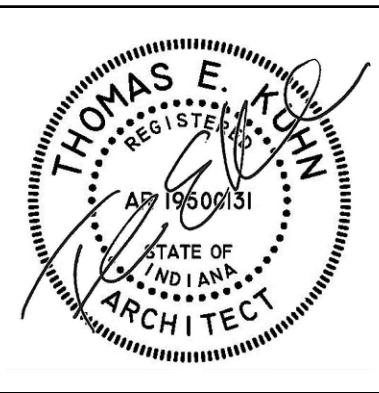
1. EXISTING WALL TO REMAIN (TYP)
2. EXISTING DOOR SHALL REMAIN
3. REMOVE EXISTING COUNTER TOP & SUPPORT BRACKETS COMPLETELY.
4. REMOVE EXISTING COUNTER TOP & CASEWORK BELOW COMPLETELY.
5. REMOVE EXISTING COILING DOORS & STRUCTURAL ANGLES COMPLETELY.  
- PATCH MASONRY WALL AS REQUIRED.
6. REMOVE EXISTING FLOOR FINISH COMPLETELY - PREP TO RECEIVE NEW FINISH.
7. REMOVE EXISTING SINK, PLUMBING LINES TO REMAIN - REFER TO PLUMBING PLAN
8. REMOVE EXISTING MENU BOARD
9. SALVAGE EXISTING SODA MACHINE
10. SALVAGE EXISTING REFRIGERATOR

### NEW CONSTRUCTION PLAN GENERAL NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS & CONDITIONS PRIOR TO CONSTRUCTION.
2. PROVIDE BULLNOSE BLOCK AT ALL EXPOSED MASONRY CORNERS.
3. ALL OF THE FLOOR PLAN NEW CONSTRUCTION NOTES LISTED MAY NOT APPEAR ON EACH INDIVIDUAL NEW CONSTRUCTION PLAN.

### NEW CONSTRUCTION KEYNOTES:

1. FLOOR FINISHES & BASE - REFER TO FLOOR FINISH PLAN.
2. NEW SINK - REFER TO PLUMBING PLAN.
3. EXISTING FLOOR DRAIN - PROVIDE LEVELER AS REQUIRED.
4. NEW STAINLESS STEEL COUNTER TOP.
5. EXISTING REFRIGERATOR - RELOCATE TO EXISTING POSITION.
6. INSTALL MENU BOARD - PROVIDED BY OWNER / INSTALLED BY CONTRACTOR.
7. REINSTALL SODA MACHINE - REFER TO PLUMBING FOR



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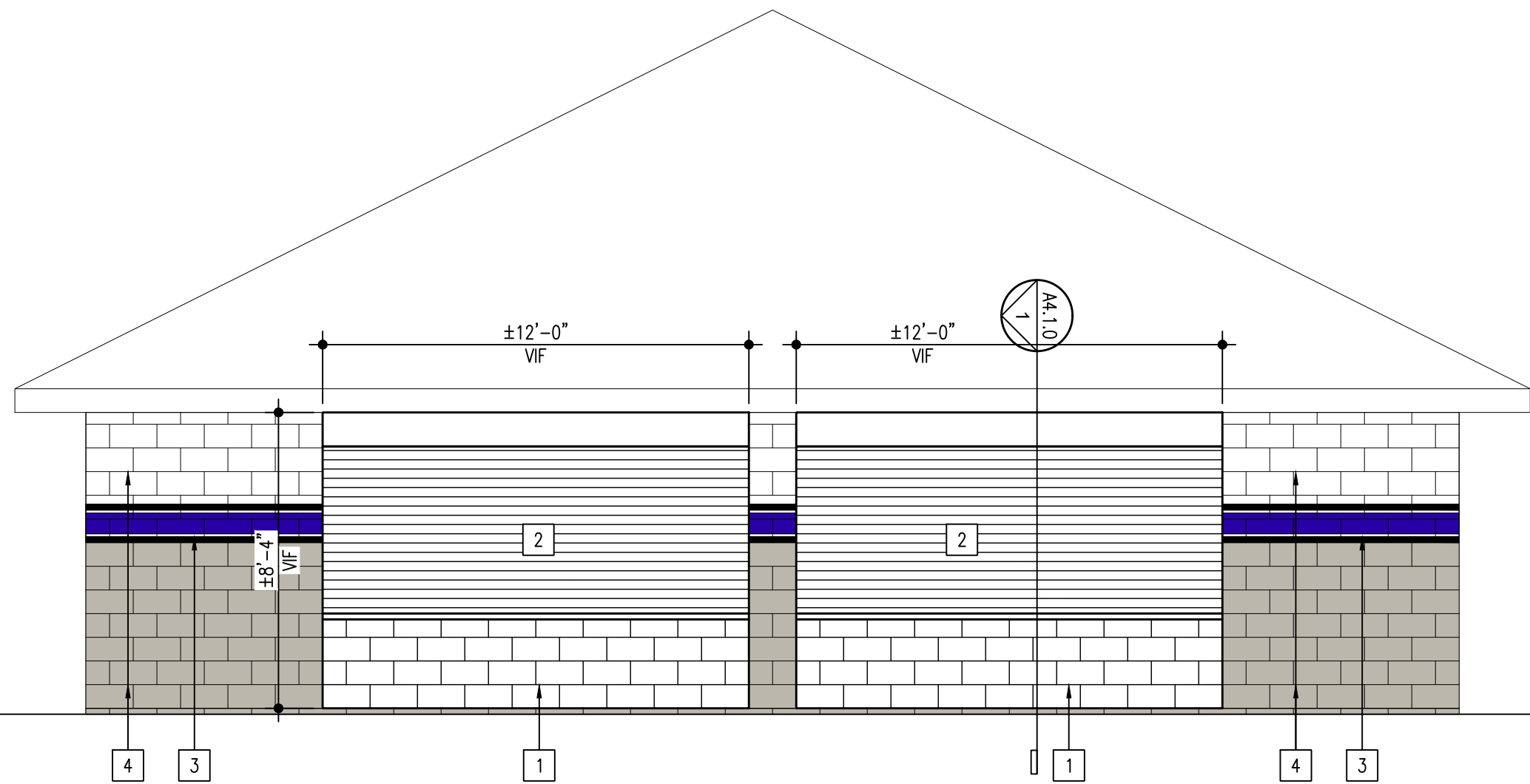
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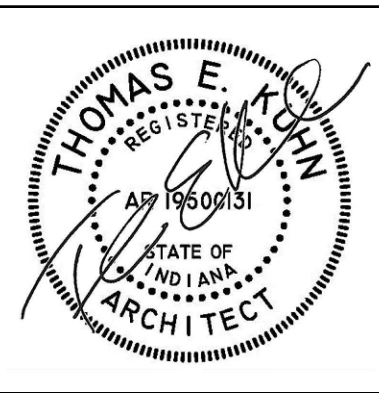
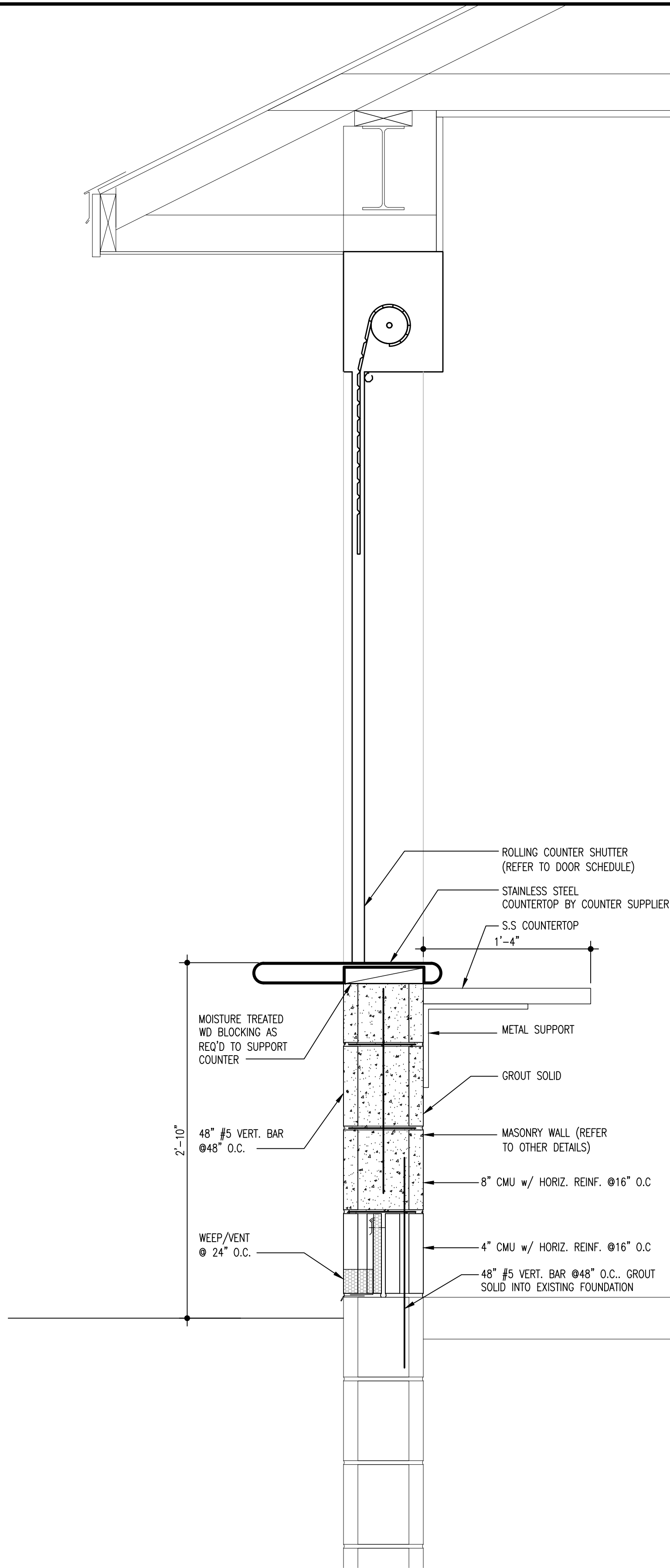


# **SOUTH ELEVATION**

NEW CONSTRUCTION SCALE: 1/4" = 1'-0"

## **NEW CONSTRUCTION KEYED NOTES:**

- 1 CMU BLOCK - PAINTED SEE PAINT DETAIL ON THIS PAGE
- 2 INSULATED COILING DOOR - REFER TO DOOR/WINDOW SCHEDULE.
- 3 EXISTING PAINTED DECAL
- 4 EXISTING PAINTED WALL



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