

**DOCUMENT 00 90 00
ADDENDUM**

ADDENDUM NO. [1] Date: August 14, 2019

**RE: LANESBORO PUBLIC SCHOOLS
 ADDITION AND REMODEL
 100 KIRKWOOD ST EAST
 LANESBORO, MN 55949
 HSR 18063**

**FROM: HSR Associates, Inc
 100 Milwaukee Street
 La Crosse, WI 54603
 (608) 784-1830**

To: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated July 2019. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of [7] pages, Pre-bid attendance, Revised Bid Form, [2] specification sections and [48] 30 x 42 drawings.

CHANGES TO BIDDING REQUIREMENTS AND CONDITIONS OF THE CONTRACT:

1. Pre-bid attendance sheet attached hereto.
2. Section 00 41 00 BID FORM
 - a. Revised section attached hereto as part of Contract Documents.
3. Wage rate requirements not applicable to this Project.
4. Contractors shall not include sales tax in their bid.

CHANGES TO GENERAL REQUIREMENTS

5. Section 01 23 00 ALTERNATES
 - a. Revised Section attached hereto as part of Contract Documents, adding Alternate 6 description.

CHANGES TO SPECIFICATIONS:

6. Section 06 41 00 ARCHITECTURAL WOOD CASEWORK
 - a. 2.06: Add the following:
"Cubbie Boot Rack: Aluminum rack with wall brackets at 24 inches o.c.
Basis of Design: ASI Visual Display Products, Bayco B-10 Coat Rack or comparable.
www.asi-visualdisplayproducts.com"

7. Section 07 92 00 JOINT SEALANTS

- a. 2.04:
 - i. A, 2: Add: "Sherwin Williams, White Lightening Silicone."
 - ii. B, 5, e: Delete "Stampede 100" and add "Loxon H1".
 - iii. C, 5: Add; "Sherwin Williams, Loxon S1".
- b. 2.05:
 - iv. A, 5, d: Delete "Stampede 1SL" and add "Loxon SL1".
 - v. A, 5, e: Delete "Stampede 2SL" and add "Loxon SL2".

8. Section 08 33 13 COILING COUNTER DOORS

- a. 2.02, C: Add the following:
Easy Trip Test Feature: The fire door shall be designed to be trip tested by cutting power to the operator. With power switch off, the door shall self-close. Upon closure, it shall be reset by turning the power back on. No ladders or tools shall be needed to reset the door or the time delay unit.

9. Section 08 36 13 SECTIONAL DOORS

- a. 2.05:
- b. D: Delete paragraph 3 and subparagraphs a. and b.
- c. Delete Item E. Safety edges not required with continuous-contact control controller.

10. Section 08 43 13 ALUMINUM FRAMED STOREFRONT

- a. 2.02, B, 4: Change "54" to "50".

11. Section 08 44 13 GLAZED ALUMINUM CURTAIN WALLS

- a. 2.03, A: Frame size shall be 2 1/2 x 7 inches minimum.

12. Section 08 71 00 DOOR HARDWARE

- a. Section attached hereto as part of Contract Documents.

13. Section 08 80 00 GLAZING

- a. 2.05, A: Delete GLT-25. Doors with less than a 100 sq. inches may utilize GLT-18.

14. Section 09 64 66 WOOD ATHLETIC FLOORING

- a. 2.03, B: Change "15/32" to "25/32".

15. Section 09 67 00 FLUID APPLIED FLOORING

- a. 2.02, A, 1: Change "20-30 mils" to "50-60 mils". System shall be full broad cast to refusal.

CHANGES TO DRAWINGS

16. Sheet C100 DEMOLITION PLAN 30 x 42 attached hereto

- a. Revisions clouded on Drawing.

17. Sheet C101 LAYOUT PLAN 30 x 42 attached hereto

- a. Revisions clouded on Drawing.

18. Sheet C102 GRADING PLAN 30 x 42 attached hereto

- a. Revisions clouded on Drawing.

19. Sheet A090 LOWER LEVEL REMOVAL FLOOR PLAN – SEGMENT A 30 x 42 attached hereto

- a. Revisions clouded on Drawing.

20. Sheet A091 LOWER LEVEL REMOVAL FLOOR PLAN – SEGMENT B 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
21. Sheet A201 ELEVATIONS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
22. Sheet A307 WALL SECTIONS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
23. Sheet A401 ENLARGED GYM FLOOR PLAN 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
24. Sheet A600 WALL TYPES 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
25. Sheet A601 DOOR SCHEDULE 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
26. Sheet A602 EXTERIOR FRAME ELEVATIONS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
27. Sheet P000 SYMBOLS, ABBREVIATIONS & SCHEDULES-PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise Plumbing Fixture Schedule, as shown.
 - c. Add Sanitary Ejector Schedule, as shown.
 - d. Revise Plumbing Drain & Cleanout Schedule, as shown.
 - e. Revise Pumps Schedule, as shown.
28. Sheet P094 LOWER LEVEL DEMO – SEGMENT B - PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Add piping to be demolished, as shown.
29. Sheet P097 UPPER LEVEL DEMO – SEGMENT B - PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Add note to cap piping at nearest active main, as shown.
 - c. Demolish sink in existing Storage room 218A.
30. Sheet P100 UNDERFLOOR – SEGMENT A – PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise note on water to green house, as shown.
31. Sheet P101 UNDERFLOOR – SEGMENT B – PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise note on storm drain, as shown.
 - c. Revise waste to Grease Waste under Kitchen, as shown.
32. Sheet P102 UNDERFLOOR – SEGMENT C – PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise note on storm drain and water service, as shown.
 - c. Add floor drain in Jan 113, as shown.
 - d. Add sizes on piping, as shown.

33. Sheet P104 LOWER LEVEL – SEGMENT B – PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Add pipe sizes, as shown.
 - c. Add downspout nozzle fixture callout, as shown.
 - d. Revise location to cap water, as shown.
34. Sheet P105 LOWER LEVEL - SEGMENT C – PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Add pipe sizes, as shown.
 - c. Revise ADA water closet callout to WC-2, as shown.
 - d. Add floor drain in Jan 113, as shown.
 - e. Revise electric water cooler callout to EWC-1, as shown.
 - f. Add sanitary piping for added hub drain above, as shown.
35. Sheet P107 UPPER LEVEL - SEGMENT B – PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Add pipe sizes, as shown.
 - c. Revise ADA water closet callout to WC-2, as shown.
 - d. Revise location of storm over IT room, as shown.
36. Sheet P108 UPPER LEVEL - SEGEMENT C – PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Add pipe sizes, as shown.
 - c. Add hub drain by water softener, as shown.
 - d. Add vent thru roof, as shown.
 - e. Add notes, as shown.
37. Sheet P120 ROOF PLAN – SEGMENT B - PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Add notes, as shown.
38. Sheet P121 ROOF PLAN – SEGMENT C - PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Add notes, as shown.
39. Sheet P300 WASTE AND VENT ISOMETRICS - PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise per floor plan changes, as shown.
40. Sheet P301 DOMESTIC WATER ISOMETRICS - PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise per floor plan changes, as shown.
41. Sheet P400 ENLARGED FLOOR PLANS – PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Add pipe sizes, as shown.
 - c. Add caps on water at existing main, as shown.
 - d. Add water up to emergency eyewash, as shown.
42. Sheet P900 DETAILS – PLUMBING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Add water heater detail 8, as shown.

43. Sheet E000 SYMBOLS AND ABBREVIATIONS - ELECTRICAL 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise luminaire schedule, lighting control schedule, communication devices schedule, and general equipment list, as shown.
44. Sheet E092L LOWER LEVEL DEMO – SEGMENT C - LIGHTING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise MDP section names, as shown.
45. Sheet E092P LOWER LEVEL DEMO - SEG C - POWER/SYSTEMS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise MDP section names, as shown.
46. Sheet E094L UPPER LEVEL DEMO – SEGMENT B - LIGHTING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Add keyed note one to highlighted areas to clarify demolition work, as shown.
47. Sheet E094P UPPER LEVEL DEMO - SEG B - POWER/SYSTEMS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Add keyed note seven to clarify demolition work for fire alarm annunciator panel, as shown.
48. Sheet E100L LOWER LEVEL – SEGMENT A – LIGHTING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise general lighting notes, as shown.
 - c. Remove unused space tags, as shown.
 - d. Revise Panel D location, as shown.
49. Sheet E100P LOWER LEVEL – SEGMENT A – POWER/SYSTEMS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise Panel D location, as shown.
50. Sheet E101L LOWER LEVEL – SEGMENT B – LIGHTING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise general lighting notes, as shown.
 - c. Add one (1) type EM fixture, as shown.
51. Sheet E101P LOWER LEVEL – SEGMENT B – POWER/SYSTEMS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise receptacle locations in Receiving 161, as shown.
52. Sheet E102L LOWER LEVEL – SEGMENT C – LIGHTING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise general lighting notes, as shown.
 - c. Revise occupancy sensor locations in rooms 102, 108, and 110, as shown.
 - d. Revise switch and wall light fixture locations in Hallway 117B, as shown.
 - e. Add type X fixture in Gymnasium 118, as shown.
53. Sheet E102P LOWER LEVEL – SEGMENT C – POWER/SYSTEMS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise ceiling device locations in Corridor 106, as shown.
 - c. Revise Gymnasium receptacle locations, as shown.
 - d. Revise Gymnasium fire alarm notification device location, as shown.

54. Sheet E103L UPPER LEVEL – SEGMENT A – LIGHTING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise general lighting notes, as shown.
 - c. Remove unused keyed note, as shown.
55. Sheet E103P UPPER LEVEL – SEGMENT A – POWER/SYSTEMS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise general power notes, as shown.
56. Sheet E104L UPPER LEVEL – SEGMENT B – LIGHTING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise general lighting notes, as shown.
 - c. Revise light switch locations in Upper Commons 152B, as shown.
57. Sheet E104P UPPER LEVEL – SEGMENT B – POWER/SYSTEMS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Add keyed note five to clarify new work for new panel board, as shown.
 - c. Revise door access control device location in Vestibule 200, as shown.
58. Sheet E105L UPPER LEVEL – SEGMENT C – LIGHTING 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise general lighting notes, as shown.
 - c. Revise exterior type OA fixture location, as shown.
59. Sheet E105P UPPER LEVEL – SEGMENT C – POWER/SYSTEMS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Remove Gymnasium fire alarm notification device, as shown.
60. Sheet E120P ROOF PLAN – SEGMENT B – POWER/SYSTEMS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Remove devices not located on roof, as shown.
61. Sheet E121P ROOF PLAN – SEGMENT C – POWER/SYSTEMS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Remove devices not located on roof, as shown.
62. Sheet E800 SCHEDULES – ELECTRICAL 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise HVAC & Plumbing equipment schedule, as shown.
 - c. Revise location and AIC Rating for panel schedules, as shown.
63. Sheet E801 PANEL SCHEDULES – ELECTRICAL 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Revise location and AIC Rating for panel schedules, as shown.

PRIOR APPROVALS

1. Section 03 30 00 CAST-IN-PLACE CONCRETE
 - a. Curing Materials: ProSpec, Cure & Seal WB and ProSpec Cure & Seal
 - b. OBEX Company: Creteseal CS2000
2. Section 04 20 00 UNIT MASONRY
 - a. Kline-Johnson: York 304 Flexible Stainless Steel Flashing (Life of the Wall)

3. Section 07 13 00 SHEET WATERPROOFING
 - a. Protecto Wrap Company: Jiffy Seal 140/60 Waterproofing System
4. Section 07 21 00 THERMAL INSULATION
 - a. M3Sixty: Hunter Xci Ply (for wall section A5-A9, A12)
5. Section 07 42 13.16 METAL PLATE WALL PANELS
 - a. American Metalcraft Inc.: RS-100 Aluminum Plate Wall Panel System
 - b. Kline-Johnson: Protean AP-2500RS Aluminum Plate Panels
 - c. Castle Metal Products: RS-400
6. Section 08 44 13 GLAZED ALUMINUM CURTAIN WALLS
 - a. Manko Window Systems, Inc.: Manko Windows 250xpt
7. Section 08 45 00 TRANSLUCENT WALL AND ROOF ASSEMBLIES
 - a. CPI Daylighting, Inc: UniQuad Translucent Panel Assemblies
8. Section 09 05 61 COMMON WORK RESULTS FOR FLOORING PREPARATION
 - a. OBEX Company: Creteseal MAX
9. Section 09 67 00 FLUID-APPLIED FLOORING
 - a. Florock: FloroChip and Florothane MC100
10. Section 09 72 00 WALL COVERINGS
 - a. National Wallcovering: Tack Now
11. Section 09 84 30 SOUND ABSORBING WALL AND CEILING UNITS
 - a. Fabricmate
 - b. Creative Acoustics: Custom Acoustical Products Echo Stopper
 - c. Commercial Interior, Inc.: Commercial Interior Acoustical Panels
 - d. Cardinal Acoustics, Inc.: Cardinal Complete 1" + 1"
12. Section 10 51 13 METAL LOCKERS
 - a. Olympus Lockers and Storage Products: Hercules All Welded
 - b. Elite Storage Products: LockersMFG All Welded Series Metal Lockers
13. Section 11 40 00 FOODSERVICE EQUIPMENT
 - a. Servco
14. Section 23 09 14 ELECTRIC INSTRUMENTATION AND CONTROL DEVICES FOR HVAC
 - a. Harris, Rochester, MN
15. Section 23 09 23 DIRECT DIGITAL CONTROL SYSTEM FOR HVAC
 - a. Harris: Honeywell
 - b. Great River Automation: Tridium-Lynxpring
16. Section 23 52 16 CONDENSING BOILERS
 - a. Water Heaters Only: HTP – EFT-399
17. Section 23 81 01 HYDRONIC TERMINAL UNITS
 - a. VE Systems: Sigma Corp.

END OF DOCUMENT 00 90 00

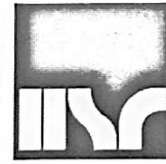
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"SIGN-IN" SHEET

PROJECT: Lanesboro Public Schools Addition & Remodel

HSR NO.: 18063

DATE: August 13, 2019



ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

HSR Associates

Celebrating 65 Years of Innovative Design
100 Milwaukee Street 608.784.1830
La Crosse, WI 54603 www.hsrassociates.com

PLEASE PRINT ALL INFORMATION CLEARLY

NAME	COMPANY	E-MAIL ADDRESS	TELEPHONE
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Brad Simanson	HSR		
Seena Kelly	HSR		
Mike Prindle	Poellinger Inc	mprindle@poellinger.com	608 785-1234
BARRY BREZE	HARRIS	BBREZE@HARRISCOMPANY.COM	507-281-4000
JIM CASPER	CASPER P/bg+Htg. INC	jcasper@casperdecorah.com	563-382-0642
Erin Gjere	Casper P/bg+Htg. Inc	egjere@casperdecorah.com	563-382-0642
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JASON WITTENBERG	SUMMIT FIRE	JWITTENBERG@SUMMITFIRE.COM	507-479-0251
JORDAN BARNES	ACCORD ELECTRIC	JORDAN@ACCORD.ELECTRIC.NET	507-696-8473
Tate Horgen	Benike	TateH@Benike.com	507-424-4445
Joe Brennan	Brennan Companies	Joe.brennan@BCofmn.com	507-381-3525
Jim Kertis	Builders Flooring	jim@buildersflooringinc.net	608 792-4695
Matt Phillips	Winona Controls	mah@winonacontrols.com	507-450-0605 651-484-5903
MICHAEL REESE	GENERAL SPRINKLER	MREESE@GENERALSPRINKLER.COM	
Paul Kruckow	WHTV INC.	pkruckow@whvr.com	507.458.8853
Billy Reed	med City Electric	Breed@medcityelectric.com	507 208 3315
Jon Willford	Viz p/b + Htg	Vizphinc@acegroup.cc	507-467-2240 608 526 4622
Justin Kahnte	Olympic Builders	office@olympicbuildersgc.com	608-769-9178
Craig Nungst	Market + Johnson	craig@market-johnson.com	

DOCUMENT 00 41 00

BID FORM - Revised

BIDDER: _____

BID FOR SINGLE PRIME CONTRACT

PROJECT: **LANESBORO PUBLIC SCHOOLS
ADDITION AND REMODEL
100 KIRKWOOD ST EAST
LANESBORO, MN 55949
HSR 18063**

TO: **LANESBORO PUBLIC SCHOOLS
100 KIRKWOOD ST EAST
LANESBORO, MN 55949**

BASE BID

The undersigned, having examined the site where the Work is to be executed and become familiar with local conditions affecting the cost of the Work and carefully examined the Project Manual, the Project Drawings, all other Bidding Documents and Addenda thereto prepared by the AE, HSR Associates, Inc., hereby agrees to provide all labor, materials, equipment and services necessary for the complete and satisfactory execution of the ENTIRE WORK, in the time frame stipulated in these contract documents, for the Base Bid stipulated sum of:

_____ Dollars (\$_____00)

The Base Bid stipulated sum, stated above, includes work by the following major subcontractors intended for Work on this Project:

ALTERNATE BIDS

The undersigned further agrees to perform the alternative portions of the Work as described in the Project Manual, Section 01 23 00 Alternates, for the following additions to or deductions from the Base Bid sum stipulated above:

Alternate No. 1 EPDM Roof

Add/Deduct _____ Dollars (\$_____00)

Alternate No. 2 Toilet Room 127

Deduct _____ Dollars (\$_____00)

Alternate No. 3 Glass Sectional Doors

Deduct _____ Dollars (\$_____00)

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Alternate No. 4 Powered Window Shades

Add _____ Dollars (\$_____.00)

Alternate No. 5 Third Grade Wood Gym Floor

Deduct _____ Dollars (\$_____.00)

Alternate No. 6 Cubbies

Deduct _____ Dollars (\$_____.00)

UNIT PRICES

The undersigned agrees to add or deduct portions of the Work from the Contract as described in the Project Manual, Section 01 22 00 Unit Prices, for the following Unit Price amounts:

A. Unit Price UP-1: (Excess Excavation)

Per cubic yard _____ Dollars (\$_____.00)

B. Unit Price UP-2: (Compacted Fill)

Per cubic yard _____ Dollars (\$_____.00)

C. Unit Price UP-3: (Remedial Floor Coating)

Per square foot _____ Dollars (\$_____.00)

BIDDER'S CHOICE SUBSTITUTIONS

The following Bidder's Choice Substitution is proposed for your consideration subject to the requirements set forth in Document 00 22 13 Supplementary Instructions to Bidders, Subparagraph 3.3.4:

Substitution No. S1:

For substituting _____

Type, Brand, Catalog No. _____

Manufacturer _____

Deduct from BASE BID _____ Dollars (\$_____.00)

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In submitting this Bid, the undersigned agrees to:

1. Hold this Bid open for **60** days.
2. Accept the provisions of Instructions to Bidders regarding disposition of Bid Security.
3. Enter into and execute an Agreement, if awarded on the basis of this Bid, and to furnish Performance and Labor and Material Payment Bonds according to the Supplementary Conditions.
4. Accomplish work according to the Contract Documents.
5. Complete the work by the time stated in Section 01 10 00 Summary of the Work.

Receipt of the following Addenda and inclusion of their provisions in this Bid is hereby acknowledged:

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Attached hereto are the required:

- a. Bid Security

FIRM NAME: _____

(Affix seal if Corporation)

By: _____

Title: _____

By: _____

Title: _____

Date: _____

Official Address: _____

Telephone: _____

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SECTION 01 23 00

ALTERNATES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Description of Alternates.

1.02 RELATED REQUIREMENTS

- A. Document 00 21 13 - Instructions to Bidders: Instructions for preparation of pricing for Alternates.

1.03 DESCRIPTION

- A. Conditions of the Contract and pertinent portions of Sections in Division One of this Project Manual, apply to the Work of this Section as fully as though repeated herein.
- B. This Section describes the alternates to the project. Refer to the Product/Execution Articles of the Contract Documents for information pertaining to the work of each alternate.
- C. Each proposal under an alternate shall include all incidental work and all adjustments necessary to accommodate the changes. All work shall meet the requirements of the Contract Documents.
- D. Each alternate proposal shall be submitted as an individual cost for the particular alternate and shall be proposed under the premise that no other alternates have been accepted. Should the work of an alternate called for by the Bid Form not affect the cost of the work, "No Change" shall be stated.
- E. Owner may, at his option, vary the scope of the work by authorizing alternates which will add to the work, deduct from the work or substitute materials, equipment or methods.
- F. Immediately following Award of Contract, awarded Contractor shall prepare and distribute to each party involved, notification of the status of each alternate. Indicate whether alternates have been accepted, rejected, or deferred for consideration at a later date. Include a complete description of negotiated modifications to alternates, if any.

1.04 ACCEPTANCE OF ALTERNATES

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Owner-Contractor Agreement.

1.05 SCHEDULE OF ALTERNATES

- A. Alternate No. 1: EPDM Roof
 - 1. The following work shall be priced under Alternate No. 1: State the amount to be added or deducted from the base bid to install fully adhered EPDM roof system at flat roofs in lieu of KEE membrane systems. Work includes but is not limited to all membrane and metal flashings to meet a 20 year NDL warranty. Insulation system remains the same.
- B. Alternate No. 2: Toilet Room 127
 - 1. The following work shall be priced under Alternate No. 2: State the amount to be deducted from the base bid to delete the Work for Toilet Room 127A.
- C. Alternate No. 3: Glass Sectional Doors
 - 1. The following work shall be priced under Alternate No. 3: State the amount to be deducted from the base bid to eliminate the glass sectional doors at west wall of Gymnasium 118. Work includes but is not limited to replacing doors with adjacent wall type and finish and eliminating door lintels.
- D. Alternate No. 4: Powered Window Shades
 - 1. The following work shall be priced under Alternate No. 4: State the amount to be added to the base bid to install powered dual shades (glare control and blackout) at north and west walls of Commons 152D - windows B, C and E. Work includes but is not limited to installing conduit and required power, remote switch locations, and all equipment and accessories for an operable system.
- E. Alternate No. 5: Third Grade Wood Gym Floor
 - 1. The following work shall be priced under Alternate No. 5: State the amount to be deducted from the base bid to install Third Grade wood flooring in Gymnasium 118 in lieu of Second Grade.
- F. Alternate No. 6: Cubbies
 - 1. The following work shall be priced under Alternate No. 6: State the amount to be deducted from the base bid to remove all cubbies shown in Segment C upper level and at east end of corridor in upper level Segment B. Refer to Detail 26A210.

PART 2 PRODUCTS - NOT USED
PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 08 71 00

DOOR HARDWARE

PART 1: GENERAL

1.01 RELATED DOCUMENTS

- A.** Conditions of the Contract and portions of Division One of this Project Manual apply to this Section as though repeated herein.

1.02 WORK INCLUDED

- A.** Furnish all finish hardware specified herein, listed in the hardware schedule, or required by the drawings.
- B.** Where items of hardware are not definitely or correctly specified and are required for the intended service, such omission, error, or other discrepancy should be directed to the Architect prior to the bid date for clarification by addendum. Otherwise, furnish such items in the type and quantity established by this specification for the appropriate service intended.

1.03 RELATED WORK

- A.** Section 08 11 13 – Hollow Metal Doors and Frames.
- B.** Section 08 14 16 – Flush Wood Doors.
- C.** Section 08 36 13 –Sectional Doors: Insulated glazing by door supplier.
- D.** Section 08 44 13 – Aluminum framed Storefront
- E.** Section 08 44 35 – Protective Framed Glazing Assemblies: Glazing for rated assemblies.
- F.** Section 08 45 00 – Translucent Wall and Roof Assemblies
- G.** Division 26 – Electrical.

1.04 REFERENCES

- A.** A.D.A. - Americans with Disabilities Act.
- B.** ANSI A117.1 - Specifications for making facilities accessible to physically handicapped people.
- C.** NFPA 80 - Standards for Fire Doors and Windows.
- D.** NFPA 101 - Life Safety Code.
- E.** U.L. - Building Material Directory.
- F.** D.H.I. - Recommended Locations for Architectural Hardware.
- G.** Applicable State and Local Building Codes, including IBC2006.

1.05 SUBMITTALS

- A.** Submit five (5) copies of a detailed hardware schedule, vertical format. Prepare under the supervision of an AHC, registered Architectural Hardware Consultant, and under provisions of Division One.
 - 1. Itemize hardware in the sequence and format established by this specification.
 - 2. List and describe each opening separately. Include all doors with identical hardware, except hand, in a single heading. Include door number, room designations, degree of swing, and hand.
 - 3. List related details. Include dimensions, door and frame material, and other considerations affecting hardware.
 - 4. List all hardware items to be supplied. Include manufacturer's name, quantity, product name, catalog number, size, finish, attachments, and related details where applicable.
 - 5. Resubmit five (5) copies of the corrected schedule when required.
- B.** Keying Schedule: After receipt of approved hardware schedule submit a copy of keying schedule as a result of a keying meeting between the Owner and the hardware supplier.
- C.** Samples: If so directed by the Architect, submit samples of finish hardware items for approval. Properly identify each sample as to make and number, and furnish in the specified finish.
- D.** Templates: Furnish a copy of approved hardware schedule, along with applicable templates for factory-prepared hardware to each door and frame fabricator.
- E.** Electrical Hardware: Submit electrical specifications and applicable information to the electrical contractor after receipt of the approved hardware schedule.
- F.** Substitutions: Submit under provisions of Division One. Provide detailed information and catalog cuts indicating the comparison to the specified hardware. If requested by the Architect, provide a sample accompanied by a sample of the specified item for comparison.

1.06 QUALITY ASSURANCE

- A.** Qualifications:
 - 1. Manufacturer: Except where specified in the hardware schedule, furnish products of only one manufacturer for each type of hardware.
 - 2. Supplier Pre-qualification: Supplier meeting the parameters listed below shall prequalify with the A/E prior to 10 days before bid date.
 - 3. Supplier: A company experienced in the builders' hardware industry for a minimum of two (2) years, and can call upon an AHC, registered Architectural Hardware Consultant, for consultation during the full extent of the project.
- B.** Regulatory Requirements:
 - 1. Furnish UL or Warnock Hersey listed hardware for all fire labeled and 20 minute openings in conformance with requirements for class of opening scheduled, whether specifically called for in this specification or not.
 - 2. Furnish hardware that conforms to all applicable state and local building codes. Where specified hardware is not in conformance with applicable codes, such omission or error should be directed to the Architect prior to the bid date for clarification by addendum; otherwise furnish hardware as required by code.

1.07 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store and handle in accordance with Division One. Mark each original container with a door number that corresponds to the approved hardware schedule for the installation location.
- B. Receive, inventory and store hardware in a secure and dry environment; protect against loss and damage.
- C. Report any shortages to the hardware supplier no later than 48 hours after receipt of delivery to the job site.
- D. Stockpile items sufficiently in advance to ensure their availability. Coordinate delivery, handling, and installation of hardware items to ensure orderly progress of total work, and minimize or eliminate losses and damage.

PART 2: PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

<u>Products</u>	<u>Specified</u>	<u>Acceptable</u>
Hinges	IVES	McKinney, Hager, Stanley
Locks and Latches	Schlage	No Sub
Push/Pull Latches:	Rockwood	Trimco, Burns, Hager
Exit Devices	VonDuprin	Precision
Door Closers	LCN	Sargent
Low Energy Automatic Operators:	LCN	No Sub
Protective Plates	Rockwood	Burns, Hager, Ives
Overhead Stops/holders	Glynn	ABH, Dorma,
Wall Stops/Floor Stops	Rockwood	Trimco, Hager, DCI, Ives
Electromagnetic Door Holders	LCN	Dorma, Rixson
Thresholds	Reese	National Guard Products, Pemko

2.02 HINGES

- A. Acceptable manufacturers and respective catalog numbers:

<u>Description</u>	<u>IVES</u>	<u>Stanley</u>	<u>McKinney</u>	<u>Hager</u>
Std. Wt. Plain Bearing - Steel	5PB1	F179	T2714	1279
Std. Wt. Ball Bearing - Steel	5BB1	FBB179	TA2714	BB1279
Std. Wt. Ball Bearing -non ferrous	5BB1	FBB191	TB2314	BB1191
Hvy. Wt. Ball Bearing Steel	5BB1HW	FBB168	T4B3786	BB1168
Hvy. Wt. Ball Bearing – non ferrous	4B21/4B51	FBB179	T4B3386	BB1199

OR AS STATED IN HARDWARE GROUPS

- B. Hinges supplied must be tested and comply with ANSI/BHMA standards for consistency, wear and corrosion resistance.
- C. Quantity: Furnish hinges for each door leaf as follows, unless otherwise noted in groups:
 - 1. Doors up to and including 90" high - 3 hinges.
 - 2. Doors over 90" high through 120" high - 4 hinges.

- D. Type: Furnish as follows, unless otherwise noted in groups:
 - 1. Standard weight, plain bearing hinge for interior openings through 36" wide without a door closer.
 - 2. Standard weight, ball bearing hinge for interior openings over 36" through 40" wide with a door closer, and for interior openings through 40" wide with a door closer.
 - 3. Heavy weight, four ball bearing hinge for all exterior openings unless noted in groups.
- E. Size: Furnish as follows, unless otherwise noted in groups:
 - 1. 1 3/4" doors: 4-1/2" x 4-1/2"
 - 2. Provide proper hinge width to clear trim and allow full 180° swing.
- F. Hinges for all lockable doors opening outward shall have non-removable pin (NRP). All other hinges shall have non-rising pins.

2.03 LOCKS AND LATCHES

- A. Furnish lock types and functions as specified in the hardware schedule, and as follows:
 - 1. Provide 2-3/4" backset.
 - 2. Provide 2-3/4" x 1-1/8" "T" strike with a dust box for use in wood doors or frames.
 - 3. Provide 4-7/8" x 1-1/4" ANSI strike for installation in a hollow metal door or frame.
 - 4. Locksets to conform to ANSI A156.2, Series 4000, Grade 1 and be UL listed.

2.04 DOOR PULLS AND PUSH PLATES

- A. Door Pulls and Push Plates: Complying with BHMA A156.6.
 - 1. Pull Type: Straight, unless otherwise indicated.
 - 2. Push Plate Type: Flat, with square corners, unless otherwise indicated.
 - a. Edges: Beveled, unless otherwise indicated.
 - 3. Material: Aluminum, unless otherwise indicated.
 - 4. Provide door pulls and push plates on doors without a lockset, latchset, exit device, or auxiliary lock unless otherwise indicated.
 - 5. On solid doors, provide matching door pull and push plate on opposite faces.

2.05 DOOR CLOSERS

- A. Furnish complete with mounting brackets, drop plates, spacers, special shoes, and thru bolts as may be required by the door and frame conditions.

2.06 LOW ENERGY AUTOMATIC OPERATORS

- A. Provide arms, mounting plates, sizes, stops, and any component that may be necessary to interface with electrified hardware that are required for complete and proper operation of the openings affected. Completed installation must meet or exceed requirements of ANSI A159.19.
- B. Provide actuators as detailed in groups.
- C. Conduit, electrical back boxes, wiring, and 120 VAC input power by Division 26 and/or 28

2.07 PROTECTIVE PLATES

- A. Acceptable manufacturers: Rockwood, Trimco, Burns, Hager.

- B. All kickplate heights shall be as listed in groups and 2" less door width single doors and 1" less for pairs.
- C. Thickness shall be .050" (16 gauge).

2.08 OVERHEAD STOPS/HOLDERS

- A. Furnish an overhead stop if a door opens against equipment, casework, sidelights, or other objects that would make wall bumpers inappropriate, and as specified in the hardware groups.

2.09 WALL STOPS

- A. When "wall stop" is called for in hardware group, provide 407 or 409. When overhead stops are required, they will be specified by product number in the group.
- B. Wall stops shall not be mounted to casework, cabinet work, sidelights, or equipment.

2.10 ELECTROMAGNETIC DOOR HOLDERS

- A. Provide the voltage as required by electrical.

2.11 THRESHOLDS

- A. Thresholds: Complying with BHMA A156.21.
 - 1. Provide threshold at locations indicated in Hardware Groups.
 - 2. Material: Aluminum.
 - 3. Field cut threshold to profile of frame and width of door sill for tight fit.
 - 4. Provide non-corroding fasteners at exterior locations

2.12 WEATHERSTRIPPING AND GASKETING

- A. Manufacturers: (At doors other than aluminum)
 - 1. Pemko; an Assa Abloy Group Company
 - 2. National Guard Products, Inc.
 - 3. Reese.
- B. Weatherstripping and Gasketing: Complying with BHMA A156.22.
 - 1. Head and Jamb Type: Adjustable.
 - 2. Door Sweep Type: Encased in retainer.
 - 3. Material: Aluminum, in color to match door.

2.13 DOOR HARDWARE FINISHES

- A. Unless indicated otherwise in the groups provide finishes as follows:
 - 1. Hinges, exterior: US32D
 - 2. Hinges, interior: US26D
 - 3. Exit Devices: US32D
 - 4. Locks and Latches: US26D
 - 5. Pulls, Pushbars, Push/Pull: US32D
 - 6. Door Closers: Painted Aluminum
 - 7. Low Energy Automatic Operators: Painted Aluminum
 - 8. Protective Plates: US32D

9. Overhead Stops:	Painted Aluminum
10. Wall Stops:	US32D
11. Gasket:	Black
12. Thresholds:	Mill Aluminum
13. Weatherstrip, Sweeps:	Clear Anodized Aluminum

2.14 KEYING

- A. The Hardware Supplier, in consultation with the Owner's authorized representative, shall prepare a detailed keying schedule. A copy of the final approved keying schedule bearing the signature of approval of the Owner's Representative shall be filed with the Architect. All locks shall be keyed into the same system as is used on the existing building. **SCHLAGE PRIMUS**

PART 3: EXECUTION

3.01 EXAMINATION

- A. Examine doors, frames, and related items for conditions that would prevent the proper application of finish hardware. Do not proceed until defects are corrected.

3.02 INSTALLATION

- A. Install each hardware item in strict compliance with the manufacturer's printed instructions and recommendations, using only fasteners supplied by, or called for by the manufacturer.
- B. Set units level, plumb and true to the line and location. Prepare and reinforce the attachment substrate as necessary for proper installation and operation.
- C. Mortise and cut to close tolerance and conceal evidence of cutting in the finished work. Drill and countersink units which are not factory prepared for anchorage fasteners.
- D. If manufacturer's instructions do not call out a mounting location, refer to the Door and Hardware Institute's publication *Recommended Locations for Architectural Hardware*.
- E. Deliver to the Owner one (1) complete set of installation and adjustment instructions, as well as all tools that were furnished with the hardware.

3.03 ADJUSTMENT AND CLEANING

- A. At final completion, adjust and check each operating item of hardware at each door to ensure proper operation and function of every unit. Lubricate any moving parts that do not operate freely, smoothly, and quietly using only lubricant as recommended by the manufacturer of the hardware item. Replace units that cannot be adjusted or lubricated to operate properly.
- B. Instruct the Owner's personnel in the proper adjustments of the hardware as needed.
- C. Clean and restore hardware to the original finish.

3.04 HARDWARE SCHEDULE

DOOR HARDWARE SCHEDULE LANESBORO ADDITION & REMODEL

HARDWARE GROUP 1

EACH PAIR OF ALUM DOORS TO HAVE:
DR.100A/B

2 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN 1 EA
	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
2 EA	CLOSER	4040XP SCUSH 689	LCN
2 EA	DROP PLATE	4040XP-18 689	LCN
2 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
2 EA	BLADE SPACER	4040XP-61 689	LCN
1 EA	ELECTRIC STRIKE	6300 US32D	VONDUPRIN
2 EA	THRESHOLD	S425A36	REESE
1 EA	RAIN DRIP	R201A120	REESE
2 EA	WEATHERSTRIP/SWEEP	BY ALUM DR AND FRAME SUPPLIER	
CARD READER ON ONE LEAF OF PAIR, READER, PWR SUPPLY AND DPS BY ACCESS CONTROL PROVIDER.			

HARDWARE GROUP 2

EACH SINGLE ALUM DOOR TO HAVE:
DR.100C

1 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN 1 EA
	OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA	CLOSER	4040XP SCUSH 689	LCN
1 EA	DROP PLATE	4040XP-18 689	LCN
1 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
1 EA	BLADE SPACER	4040XP-61 689	LCN
1 EA	THRESHOLD	S425A36	REESE
1 EA	WEATHERSTRIP/SWEEP	BY ALUM DR AND FRAME SUPPLIER	

HARDWARE GROUP 3

EACH PAIR OF ALUM DOORS TO HAVE:
DR.100D, 100E, 100F

1 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
1 EA	PUSH/PULL COMBO	BF15747 US32D	ROCKWOOD
1 EA	CLOSER	4040XP SCUSH 689	LCN
1 EA	DROP PLATE	4040XP-18 689	LCN
1 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
1 EA	BLADE SPACER	4040XP-61 689	LCN
1 EA	WEATHERSTRIP/SWEEP IF REQ	BY ALUM DR AND FRAME SUPPLIER	

HARDWARE GROUP 4

EACH SINGLE DOOR TO HAVE:

DR. 101, 102A, 107, 108A, 108B, 110, 112A, 112B, 172B, 173, 189A, 201A, 201G, 201H, 216

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	ENTRANCE LOCK	ND53PD RHO 626	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD
1 EA	WALL STOP	409 US32D	ROCKWOOD
1 EA	SOUND GASKET	F797B17	REESE

HARDWARE GROUP 5

EACH SINGLE DOOR TO HAVE:

DR. 103, 105, 109

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	PASSAGE LOCK	ND10S RHO 626	SCHLAGE
1 EA	SURFACE OVERHEAD STOP	450S 652	GLYNN JOHN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 3 EA
	SILENCERS	608RKW GREY	ROCKWOOD

HARDWARE GROUP 6

EACH SINGLE DOOR TO HAVE:

DR. 104

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	PASSAGE LOCK	ND10S RHO 626	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 1 EA
	WALL STOP	409 US32D	ROCKWOOD
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

HARDWARE GROUP 7

EACH PAIR OF WD DOORS TO HAVE:

DR.106A

6 EA	BUTTS	FBB168 4.5 X 4.5 652 NRP	STANLEY
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN 1 EA
	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
2 EA	CLOSER	4040XP SHCUSH 689	LCN
1 EA	GASKET	F797B25	REESE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 2 EA
	ASTRAGAL FINIS	S771D7	PEMKO

HARDWARE GROUP 8

EACH SINGLE ALUM DR TO HAVE:
DR.106B

1 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA	CLOSER	4040XP SCUSH 689	LCN
1 EA	DROP PLATE	4040XP-18 689	LCN
1 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
1 EA	BLADE SPACER	4040XP-61 689	LCN
1 EA	THRESHOLD	S425A36	REESE

HARDWARE GROUP 9

EACH SINGLE DOOR TO HAVE:
DR.111A, 111B

4 EA	HINGES	FBB168 4.5 X 4.5 652	STANLEY
1 EA	PUSH PLATE	70C US32D	ROCKWOOD
1 EA	PULL	110 X 70C US32D	ROCKWOOD
1 EA	CLOSER	4040XP REG 689	LCN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 1 EA
	WALL STOP	409 US32D	ROCKWOOD
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

HARDWARE GROUP 10

EACH SINGLE DOOR TO HAVE:
DR. 113, 116, 118A, 166D, 203, 217

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	STORERM LOCK	ND80PD RHO 626	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 1 EA
	WALL STOP	409 US32D	ROCKWOOD
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

HARDWARE GROUP 11

EACH SINGLE DOOR TO HAVE:
DR. 114, 115, 201E, 225A

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	PRIVACY LOCK	ND40S RHO 626	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 1 EA
	WALL STOP	409 US32D	ROCKWOOD
1 EA	GASKET	F797B17	REESE

HARDWARE GROUP 12

EACH PAIR OF DOORS TO HAVE:
DR.117

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
2 EA	EXIT DEVICE	99L-F X 996L-R US26D	VONDUPRIN
2 EA	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	CLOSER	4040XP SCUSH 689	LCN
1 EA	KICKPLATE	10 X 1"LDW B4E CS US32D	ROCKWOOD 1 EA
	GASKETS	F797B25	REESE
2 EA	ASTRAGAL FINIS	S771D7	PEMKO

HARDWARE GROUP 13

EACH PAIR OF ALUM DOORS TO HAVE:
DR.117A, 152A

2 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN 1 EA
	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
2 EA	CLOSER	4040XP SCUSH 689	LCN
2 EA	DROP PLATE	4040XP-18 689	LCN
2 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
2 EA	BLADE SPACER	4040XP-61 689	LCN
2 EA	THRESHOLD	S425A48	REESE
1 EA	RAIN DRIP	R201A96	REESE
2 EA	WEATHERSTRIP/SWEEP	BY ALUM DR AND FRAME SUPPLIER	

HARDWARE GROUP 14

EACH PAIR OF DOORS TO HAVE:
DR.118B, 118G, 161B

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
2 EA	EXIT DEVICE	99L X 996L-RUS26D	VONDUPRIN
1 EA	KEYED REMOVABLE MULL	KR4954 SP28	VONDUPRIN
2 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	MORT CYL (KEYED MULL)	20-061 626	SCHLAGE
2 EA	CLOSER	4040XP SHCUSH 689	LCN
2 EA	GASKETS	F797B17	REESE

HARDWARE GROUP 15

EACH PAIR OF ALUM DOORS TO HAVE:

DR.118H

2 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN 1 EA
	KEYED REMOVABLE MULL	KR4954 SP28	VONDUPRIN
2 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	MORT CYL (KEYED MULL)	20-061 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
2 EA	CLOSER	4040XP SHCUSH 689	LCN
2 EA	DROP PLATE	4040XP-18 689	LCN
2 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
2 EA	BLADE SPACER	4040XP-61 689	LCN
2 EA	THRESHOLD	S425A84	REESE
1 EA	RAIN DRIP	R201A96	REESE
2 EA	WEATHERSTRIP/SWEEP	BY ALUM DR AND FRAME SUPPLIER	

HARDWARE GROUP 16

EACH SINGLE DOOR TO HAVE:

DR. 127A

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	PRIVACY LOCK	ND40S RHO 626	SCHLAGE
1 EA	SURFACE OHS	450S 652	GLYNN JOHN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 1 EA
	GASKET	F797B17	REESE

HARDWARE GROUP 17

EACH PAIR OF DOORS TO HAVE:

DR.140A

2 EA	CONTINUOUS HINGE	651HD UL 7' US10B	STANLEY
2 EA	EXIT DEVICE	9927EO-F LBR 4' 313	VONDUPRIN
2 EA	CLOSER	4040XP EDA 695	LCN
2 EA	MAG HOLD OPENS	SEM7850 689	LCN
1 EA	KICKPLATE	10 X 1"LDW B4E CS US32D	ROCKWOOD 2 EA
	WALL STOPS	409 US10B	ROCKWOOD
1 EA	GASKETS	F797B25	REESE
2 EA	ASTRAGAL FINS	S771D7	PEMKO

HARDWARE GROUP 18

EACH PAIR OF HM DOORS TO HAVE:
DR.152B

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
1 EA	EXIT DEVICE	99NL-OP X 110MD 626	VONDUPRIN
1 EA	EXIT DEVICE	99EO 626	VONDUPRIN 1 EA
	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
2 EA	CLOSER	4040XP SCUSH 689	LCN
2 EA	THRESHOLD	S425A48	REESE
2 EA	WEATHERSTRIP	815D4884	REESE
2 EA	SWEEPS	323D48	REESE
1 EA	RAIN DRIP	R201A84	REESE

HARDWARE GROUP 19

EACH SINGLE DOOR TO HAVE:
DR. 152E

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	STORERM LOCK	ND80PD RHO 626	SCHLAGE
1 EA	CLOSER	4040XP REG 689	LCN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 1 EA
	WALL STOP	409 US32D	ROCKWOOD
1 EA	GASKET	F797B17	REESE

HARDWARE GROUP 20

EACH PAIR OF DOORS TO HAVE:
DR.152C

2 EA	CONTINUOUS HINGE	651HD UL 7' US10B	STANLEY
2 EA	EXIT DEVICE	99L-F X 996L-R 313	VONDUPRIN
1 EA	KEYED REMOVABLE MULL	KR4954 SP313	VONDUPRIN
2 EA	RIM CYLINDER	20-757 613	SCHLAGE
1 EA	MORT CYL (KEYED MULL)	20-061 613	SCHLAGE
2 EA	CLOSER	4040XP REG 695	LCN
1 EA	CONCEALED OHS	100S US10B	GLYNN JOHN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 1 EA
	WALL STOP	409 US10B	ROCKWOOD
2 EA	GASKETS	F797B17	REESE

HARDWARE GROUP 21

EACH PAIR OF DOORS TO HAVE:
DR.152D

2 EA	CONTINUOUS HINGE	651HD UL 7' US10B	STANLEY
2 EA	EXIT DEVICE	99L-F X 996L-R 313	VONDUPRIN
2 EA	RIM CYLINDER	20-757 613	SCHLAGE
2 EA	CLOSER	4040XP REG 695	LCN
2 EA	CONCEALED OHS	100S US10B	GLYNN JOHN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 2 EA
	GASKETS	F797B17	REESE

HARDWARE GROUP 22

EACH SINGLE DOOR TO HAVE:
DR. 157A, 157F

3 EA	BUTTS	FBB168 4.5 X 4.5 652	STANLEY
1 EA	ENTRANCE LOCK	ND53PD RHO 626	SCHLAGE
1 EA	CLOSER	4040XP REG 689	LCN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 1 EA
	WALL STOP	409 US32D	ROCKWOOD
1 EA	SMOKE GASKET	F797B17	REESE

HARDWARE GROUP 23

EACH SINGLE DOOR TO HAVE:
DR. 157D

3 EA	BUTTS	FBB168 4.5 X 4.5 652	STANLEY
1 EA	PRIVACY LOCK	ND40S RHO 626	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 1 EA
	WALL STOP	409 US32D	ROCKWOOD
1 EA	GASKET	F797B17	REESE

HARDWARE GROUP 24

EACH PAIR OF HM DOORS TO HAVE:
DR.161A

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN 1 EA
	KEYED REMOVABLE MULL	KR4954 SP28	VONDUPRIN
1 EA	ELEC STRIKE	6300 US32D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	MORT CYL (KEYED MULL)	20-061 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
2 EA	CLOSER	4040XP SHCUSH 689	LCN
2 EA	THRESHOLD	S425A72	REESE
2 EA	WEATHERSTRIP/SWEEP	815A3684	REESE
2 EA	SWEEPS	323C36	REESE
1 EA	RAIN DRIP	R201A84	REESE

CARD READER, PWR SUPPLY, DISCONNECT FOR ELEC STK, BY CARD ACCESS VENDOR.

HARDWARE GROUP 25

EACH PAIR OF DOORS TO HAVE:
DR.164A

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
2 EA	EXIT DEVICE	9927EO-F LBR 4' 626	VONDUPRIN
2 EA	CLOSER	4040XP EDA 689	LCN
2 EA	MAG HOLD OPENS	SEM7850 689	LCN
1 EA	KICKPLATE	10 X 1"LDW B4E CS US32D	ROCKWOOD 2 EA
	WALL STOPS	409 US32D	ROCKWOOD
1 EA	GASKETS	F797B25	REESE
2 EA	ASTRAGAL FINIS	S771D7	PEMKO

HARDWARE GROUP 26

EACH SINGLE DOOR TO HAVE:
DR. 166E

3 EA	BUTTS	FBB168 4.5 X 4.5 652	STANLEY
1 EA	STORERM LOCK	ND80PD RHO 626	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 1 EA
	WALL STOP	409 US32D	ROCKWOOD
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

HARDWARE GROUP 27

EACH PAIR OF DOORS TO HAVE:
DR.189D

2 EA	CONTINUOUS HINGE	651HD UL 7' US10B	STANLEY
2 EA	EXIT DEVICE	9927L-F X 996L-R LBR 313	VONDUPRIN
2 EA	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	CLOSER	4040SE STD 695	LCN
1 EA	KICKPLATE	10 X 1"LDW B4E CS US32D	ROCKWOOD 1 EA
	GASKETS	F797B25	REESE
2 EA	ASTRAGAL FINIS	S771D7	PEMKO

HARDWARE GROUP 28

EACH PAIR OF ALUM DOORS TO HAVE:
DR.200D/C

2 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN 1 EA
	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA	CLOSER	4040XP SCUSH 689	LCN
1 EA	DROP PLATE	4040XP-18 689	LCN
1 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
1 EA	BLADE SPACER	4040XP-61 689	LCN
1 EA	AUTO OPERATOR	4642 REG 689	LCN
2 EA	ACTUATORS	8310-852T	LCN
1 EA	WEATHER RING	8310-802	LCN
1 EA	ELECTRIC STRIKE	6300 US32D	VONDUPRIN
1 EA	SURFACE OHS	100S US32D	GLYNN JOHN
2 EA	THRESHOLD	S425A36	REESE
1 EA	RAIN DRIP	R201A84	REESE
2 EA	WEATHERSTRIP/SWEEP	BY ALUM DR AND FRAME SUPPLIER	

CARD READER ON ONE LEAF OF PAIR, READER, PWR SUPPLY AND DPS BY ACCESS CONTROL PROVIDER.

HARDWARE GROUP 29

EACH PAIR OF ALUM DOORS TO HAVE:
DR.200A/B

2 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
2 EA	EXIT DEVICE	99EO US26D	VONDUPRIN 2 EA
	OFFSET PULL	BF157 US32D	ROCKWOOD
2 EA	CLOSER	4040XP SCUSH 689	LCN
2 EA	DROP PLATE	4040XP-18 689	LCN
2 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
2 EA	BLADE SPACER	4040XP-61 689	LCN
2 EA	THRESHOLD	S425A36	REESE
1 EA	RAIN DRIP	R201A84	REESE
2 EA	WEATHERSTRIP/SWEEP	BY ALUM DR AND FRAME SUPPLIER	

DPS BY ACCESS CONTROL PROVIDER.

HARDWARE GROUP 30

EACH PAIR OF HM DOORS TO HAVE:
DR.200G/H

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN 1 EA
	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA	CLOSER	4040XP SCUSH 689	LCN
1 EA	AUTO OPERATOR	4642 REG 689	LCN
2 EA	ACTUATORS	8310-852T	LCN
1 EA	WEATHER RING	8310-802	LCN
1 EA	ELECTRIC STRIKE	6300 US32D	VONDUPRIN
1 EA	SURFACE OHS	100S US32D	GLYNN JOHN
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

CARD READER ON ONE LEAF OF PAIR, READER, PWR SUPPLY AND DPS BY ACCESS CONTROL PROVIDER.

HARDWARE GROUP 31

EACH PAIR OF HM DOORS TO HAVE:
DR.200E/F

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
2 EA	EXIT DEVICE	99EO US26D	VONDUPRIN 2 EA
	OFFSET PULL	BF157 US32D	ROCKWOOD
2 EA	CLOSER	4040XP SCUSH 689	LCN
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

DPS BY ACCESS CONTROL PROVIDER

HARDWARE GROUP 32

EACH SINGLE DOOR TO HAVE:
DR.201

1 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA	CLOSER	4040XP SCUSH 689	LCN
1 EA	ELECTRIC STRIKE	6300 US32D	VONDUPRIN
1 EA	SMOKE GASKET	F797B17	REESE

HARDWARE GROUP 33

EACH PAIR OF DOORS TO HAVE:
DR.201K

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
2 EA	EXIT DEVICE	99L- X 996L-R US26D	VONDUPRIN
2 EA	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	CLOSER	4040XP SCUSH 689	LCN
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

HARDWARE GROUP 34

EACH SINGLE DOOR TO HAVE:
DR. 202A, 202B

3 EA	BUTTS	FBB168 4.5 X 4.5 652 NRP	STANLEY
1 EA	ENTRANCE LOCK	ND53PD RHO 626	SCHLAGE
1 EA	CLOSER	4040XP EDA 689	LCN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 1 EA
	WALL STOP	409 US32D	ROCKWOOD
1 EA	GASKET	F797B17	REESE

HARDWARE GROUP 35

EACH SINGLE ALUM DOOR TO HAVE:
DR.202C

1 EA	CONTINUOUS HINGE	BY ALUM DR AND FRAME SUPPLIER	
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA	CLOSER	4040XP SCUSH 689	LCN
1 EA	DROP PLATE	4040XP-18 689	LCN
1 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
1 EA	BLADE SPACER	4040XP-61 689	LCN
1 EA	THRESHOLD	S425A36	REESE
1 EA	RAIN DRIP	R201A48	REESE
1 EA	WEATHERSTRIP/SWEEP	BY ALUM DR AND FRAME SUPPLIER	

HARDWARE GROUP 36

EACH SINGLE DOOR TO HAVE:
DR. 234

3 EA	BUTTS	FBB191 4.5 X 4.5 630	STANLEY
1 EA	STORERM LOCK	ND80PD RHO 626	SCHLAGE
1 EA	CLOSER	4040XP REG 689	LCN
1 EA	THRESHOLD	S425A36	REESE
1 EA	DR BOTTOM	DB595A36	REESE
1 EA	WEATHERSTRIP	815A3684	REESE

HARDWARE GROUP 37

EACH SINGLE FIRE RESISTIVE DOOR TO HAVE:
DR.210

1 EA	CONTINUOUS HINGE	BY DR AND FRAM	
1 EA	EXIT DEVICE	99L-F X 996L-R US26D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	CLOSER	4040XP SCUSH 689	LCN
1 EA	DROP PLATE	4040XP-18 689	LCN
1 EA	CUSH SHOE SUPPORT	4040XP-30 689	LCN
1 EA	BLADE SPACER	4040XP-61 689	LCN
1 EA	GASKETING	BY DR/FR SUPPLIER	

VERIFY DOOR THICKNESS FOR EXIT DEVICE PRIOR TO ORDERING

HARDWARE GROUP 38

EACH SINGLE DOOR TO HAVE:

DR. 129, 123, 120, 121, 142, 205, 206, 207, 208, 212, 213B

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	ENTRANCE LOCK	ND53PD RHO 626	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 1 EA
	WALL STOP	409 US32D	ROCKWOOD
1 EA	SOUND GASKET	F797B17	REESE

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.**HARDWARE GROUP 39**

EACH SINGLE DOOR TO HAVE:

DR.128, 162, 163A, 163B, 165, 165A, 166, 167, 168, 172A, 175A, 175B, 182, 183, 184, 187, 188, 218, 219, 220A, 220B, 221A, 221B, 222, 223, 223B, 224A, 229, 229B, 230, 231, 232

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	ENTRANCE LOCK	ND53PD RHO 626	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 1 EA
	WALL STOP	409 US32D	ROCKWOOD
1 EA	SOUND GASKET	F797B17	REESE

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.**HARDWARE GROUP 40**

EACH SINGLE DOOR TO HAVE:

DR.169, 171, 226, 227

4 EA	HINGES	FBB168 4.5 X 4.5 652	STANLEY
1 EA	PUSH PLATE	70C US32D	ROCKWOOD
1 EA	PULL	110 X 70C US32D	ROCKWOOD
1 EA	CLOSER	4040XP REG 689	LCN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 1 EA
	WALL STOP	409 US32D	ROCKWOOD
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.**HARDWARE GROUP 41**

EACH SINGLE DOOR TO HAVE:

DR. 170, 176, 179, 189B, 189D

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	STORERM LOCK	ND80PD RHO 626	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 1 EA
	WALL STOP	409 US32D	ROCKWOOD
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.

HARDWARE GROUP 42

EACH SINGLE DOOR TO HAVE:
DR. 228

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	STORERM LOCK	ND80PD RHO 626	SCHLAGE
1 EA	SURFACE OHS	450S 652	GLYNN JOHN
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 3 EA
	SILENCERS	608RKW GREY	ROCKWOOD

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.

HARDWARE GROUP 43

EACH SINGLE DOOR TO HAVE:
DR. 230C

3 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
1 EA	PRIVACY LOCK	ND40S RHO 626	SCHLAGE
1 EA	KICKPLATE	10 X 2"LDW B4E CS US32D	ROCKWOOD 1 EA
	WALL STOP	409 US32D	ROCKWOOD
3 EA	SILENCERS	608RKW GREY	ROCKWOOD

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.

HARDWARE GROUP 44

EACH PAIR OF HM DOORS TO HAVE:
DR.138, 140B, 181A, 186A, 234A

2 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	EXIT DEVICE	99EO US26D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
2 EA	CLOSER	4040XP SHCUSH 689	LCN
2 EA	THRESHOLD	S425A72	REESE
2 EA	WEATHERSTRIP/SWEEP	815A3684	REESE
2 EA	SWEEPS	323C36	REESE
1 EA	RAIN DRIP	R201A84	REESE

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.

HARDWARE GROUP 45

EACH PAIR OF HM DOORS TO HAVE:
DR.188A

1 EA	CONTINUOUS HINGE	651HD UL 7' US32D	STANLEY
1 EA	EXIT DEVICE	99NL-OP X 110MD US26D	VONDUPRIN
1 EA	RIM CYLINDER	20-757 626	SCHLAGE
1 EA	OFFSET PULL	BF157 US32D	ROCKWOOD
1 EA	CLOSER	4040XP SHCUSH 689	LCN
1 EA	THRESHOLD	S425A36	REESE
1 EA	WEATHERSTRIP/SWEEP	815A3684	REESE
1 EA	SWEEPS	323C36	REESE
1 EA	RAIN DRIP	R201A48	REESE

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.

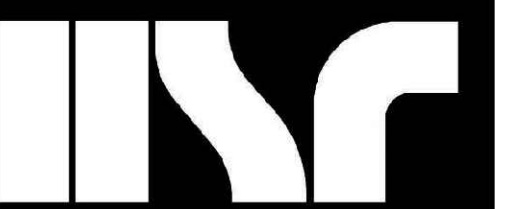
HARDWARE GROUP 46

EACH PAIR OF DOORS TO HAVE:
DR.209

6 EA	BUTTS	FBB179 4.5 X 4.5 652	STANLEY
2 EA	EXIT DEVICE	9927L X 996L-V LBR 4'	VONDUPRIN
2 EA	RIM CYLINDER	20-757 626	SCHLAGE
2 EA	CLOSER	4040XP SHCUSH 689	LCN
1 EA	KICKPLATE	10 X 1"LDW B4E CS US32D	ROCKWOOD 2 EA
	WALL STOPS	409 US32D	ROCKWOOD
1 EA	GASKETS	F797B25	REESE
2 EA	ASTRAGAL FINIS	S771D7	PEMKO

ALL EXISTING DRS/FRS MUST BE FIELD VERIFIED BY CONTRACTOR/SUPPLIER PRIOR TO PROCEEDING WITH ORDERS.

END OF SECTION 08 71 00



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Civil Engineering
Land Surveying
Landscape Architecture
4941 Knashing Court
Stevens Point, WI 54481
715.344.9999(PH) 715.344.9922(FX)

LANESBORO SCHOOL DISTRICT
ADDITION & REMODEL

Project Location: 100 KIRKWOOD ST E
LANESBORO, MN 55949

Project Number: 18063

Project Date: 7/25/19

Drawn By: JJJ

I hereby certify that this plan, specification, or report was prepared by me, or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

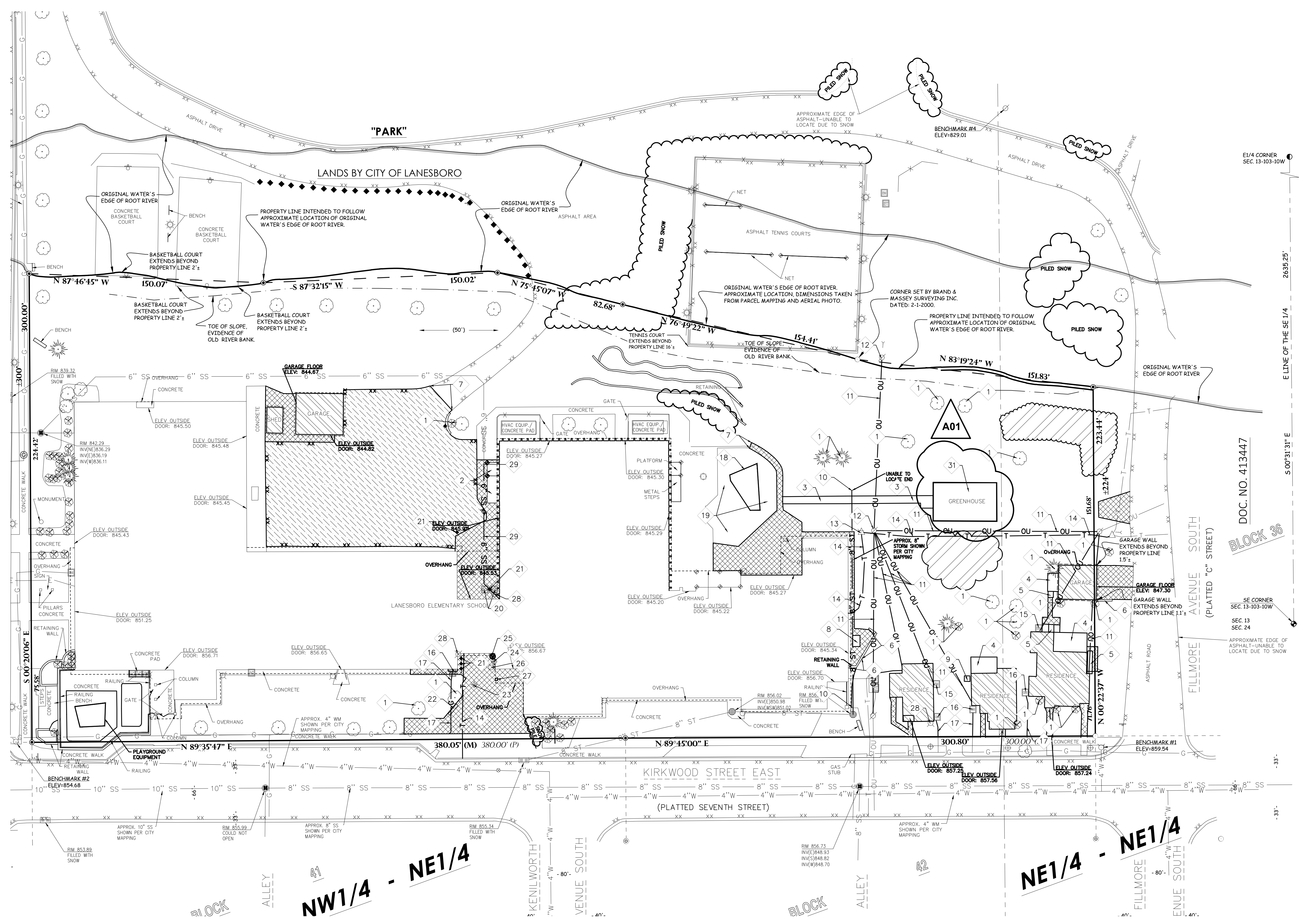
James J. Lundberg, P.E.
Registration No. 44630

No.	Description	Date
A01	ADDENDUM #1	8/13/2019

Graphic Scale: 1" = 30'

Last Update: 07/25/2019

C100



SURVEY LEGEND
These standard symbols will be found in the drawing.

[Symbol]	SANITARY SEWER
[Symbol]	STORM SEWER
[Symbol]	OVERHEAD UTILITIES
[Symbol]	BURIED ELECTRIC
[Symbol]	BURIED GAS
[Symbol]	BURIED TELEPHONE
[Symbol]	BURIED TELEVISION
[Symbol]	WATERMAIN
[Symbol]	FIBER OPTICS
[Symbol]	IRRIGATION LINE
[Symbol]	WOOD PANEL FENCE
[Symbol]	EDGE OF BITUMINOUS
[Symbol]	CONTOUR LINE
[Symbol]	F.F.E. = FINISHED FLOOR ELEVATION
[Symbol]	RECTANGULAR CATCH BASIN
[Symbol]	CIRCULAR CATCH BASIN
[Symbol]	SANITARY MANHOLE
[Symbol]	WATER SERVICE
[Symbol]	WATER VALVE
[Symbol]	HYDRANT
[Symbol]	ELECTRIC METER
[Symbol]	ELECTRIC TRANSFORMER
[Symbol]	LIGHTPOLE
[Symbol]	POWERPOLE
[Symbol]	GUY WIRE
[Symbol]	GAS METER
[Symbol]	GAS VALVE
[Symbol]	TELEPHONE PEDESTAL
[Symbol]	FIBER OPTIC MANHOLE
[Symbol]	GUARD POST/BOLLARD
[Symbol]	WOODEN POST
[Symbol]	METAL POST
[Symbol]	VENT PIPE
[Symbol]	CLEAN OUT
[Symbol]	AIR CONDITIONING UNIT
[Symbol]	DUST COLLECTOR
[Symbol]	SIGN
[Symbol]	FLAGPOLE
[Symbol]	ROOF DRAIN
[Symbol]	BASKETBALL HOOP
[Symbol]	PLAY EQUIPMENT
[Symbol]	BUSH/SHRUB
[Symbol]	TREE
[Symbol]	PINE TREE
[Symbol]	ROCK AREA
[Symbol]	LANDSCAPE AREA
[Symbol]	WOODCHIP AREA
[Symbol]	BRICK PAVERS
[Symbol]	3/4" O.D. X 18" IRON BAR SET WEIGHING 1.50 LBS/LIN. FT.
[Symbol]	3/4" O.D. IRON PIPE W/CAP FOUND
[Symbol]	1" O.D. IRON PIPE FOUND
[Symbol]	CALCULATED CORNER
[Symbol]	PK NAIL FOUND
[Symbol]	HARRISON MONUMENT FOUND
[Symbol]	RECORDED AS

GENERAL NOTES:

- CONTACT GOPHER STATE ONE CALL (651-454-0002) 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- ALL DEMOLITION MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER EXCEPT FOR THOSE ITEMS NOTED TO BE SALVAGED, WHICH SHOULD BE TURNED OVER TO THE OWNER.
- INSTALL ALL REQUIRED EROSION CONTROL MEASURES FOR PERIMETER PROTECTION PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- ALL BIDDERS PLANNING ON SUBMITTING A BID SHALL VISIT THE SITE AND REVIEW THE EXISTING CONDITIONS PRIOR TO THE BID DATE.
- COORDINATE WITH THE OWNER AND LOCAL UTILITY COMPANIES TO LOCATE ANY EXISTING PRIVATE UTILITIES ON SITE PRIOR TO THE START OF WORK.
- ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR AND INCLUDED IN THE BASE BID CONTRACT.
- VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF WORK.
- ALL EROSION CONTROL MEASURES INSTALLED SHALL BE MAINTAINED IN ACCORDANCE WITH THE LOCAL AND STATE GOVERNING AUTHORITIES.
- STRIP TOPSOIL WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE PROJECT MANUAL SPECIFICATIONS.
- STOCKPILE STRIPPED TOPSOIL ON SITE. PLACE SILT FENCE AROUND THE BASE OF THE STOCKPILE TO PREVENT EROSION.
- PRIOR TO PERFORMING WORK WITHIN PUBLIC RIGHT OF WAYS, NOTIFY AND COORDINATE WORK WITH THE LOCAL MUNICIPALITY.

KEYNOTES:

- | | |
|--|---|
| 1 REMOVE EXISTING TREE | 15 REMOVE EXISTING ELECTRICAL METER (COORDINATE WITH UTILITY COMPANY) |
| 2 REMOVE PLATFORM AND METAL STEPS | 16 REMOVE EXISTING GAS METER (COORDINATE WITH GAS COMPANY) |
| 3 REMOVE WOODEN RAMP | 17 REMOVE EXISTING GAS LINE (COORDINATE WITH GAS COMPANY) |
| 4 REMOVE WOODEN DECK | 18 REMOVE EXISTING PLAYGROUND EQUIPMENT - STORE FOR REUSE |
| 5 REMOVE STEPS | 19 REMOVE EXISTING MULCH IN PLAYGROUND AREA |
| 6 REMOVE RETAINING WALL | 20 REMOVE AIR CONDITIONING UNIT |
| 7 SAWCUT EXISTING PAVEMENT | 21 REMOVE BOLLARD |
| 8 REMOVE HVAC EQUIPMENT | 22 REMOVE BENCH |
| 9 REMOVE CONCRETE VAULT | 23 REMOVE FLAG POLE |
| 10 REMOVE STORM SEWER | 24 REMOVE WATER SERVICE |
| 11 REMOVE OVERHEAD UTILITY (COORDINATE WITH UTILITY COMPANY) | 25 REMOVE VENT PIPE |
| 12 REMOVE POWER POLE AND GUY WIRES (COORDINATE WITH UTILITY COMPANY) | 26 REMOVE ROOF DRAIN |
| 13 REMOVE TELEPHONE PEDESTAL (COORDINATE WITH TELEPHONE COMPANY) | 27 REMOVE BUILDING COLUMN |
| 14 REMOVE TELEPHONE LINE (COORDINATE WITH TELEPHONE COMPANY) | 28 REMOVE CLEANOUT |
| | 29 REMOVE EXISTING SANITARY SEWER |
| | 30 RELOCATE EXISTING GREENHOUSE (REFER TO C101 FOR PROPOSED LOCATION) |

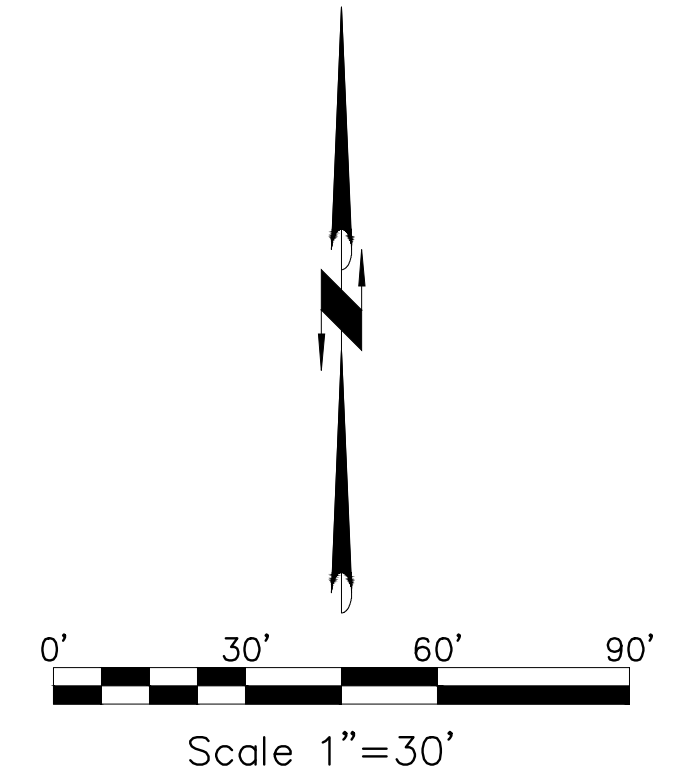
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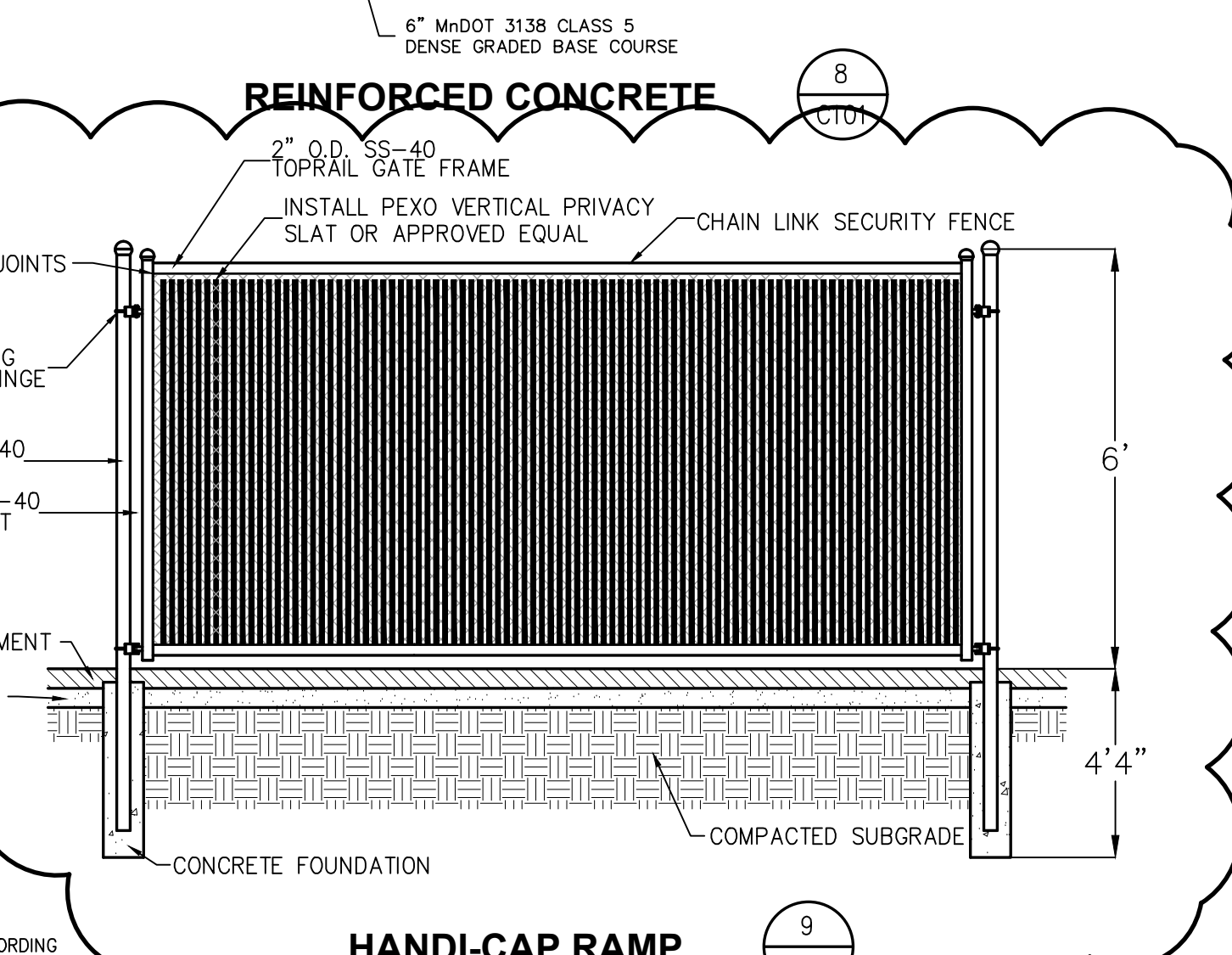
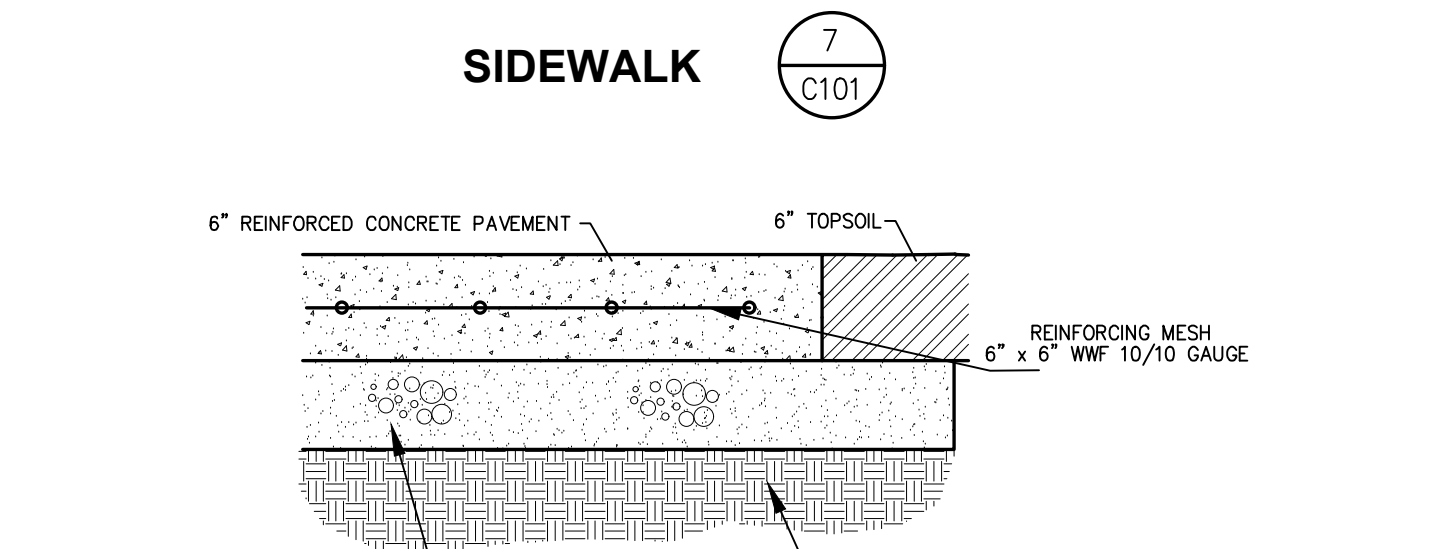
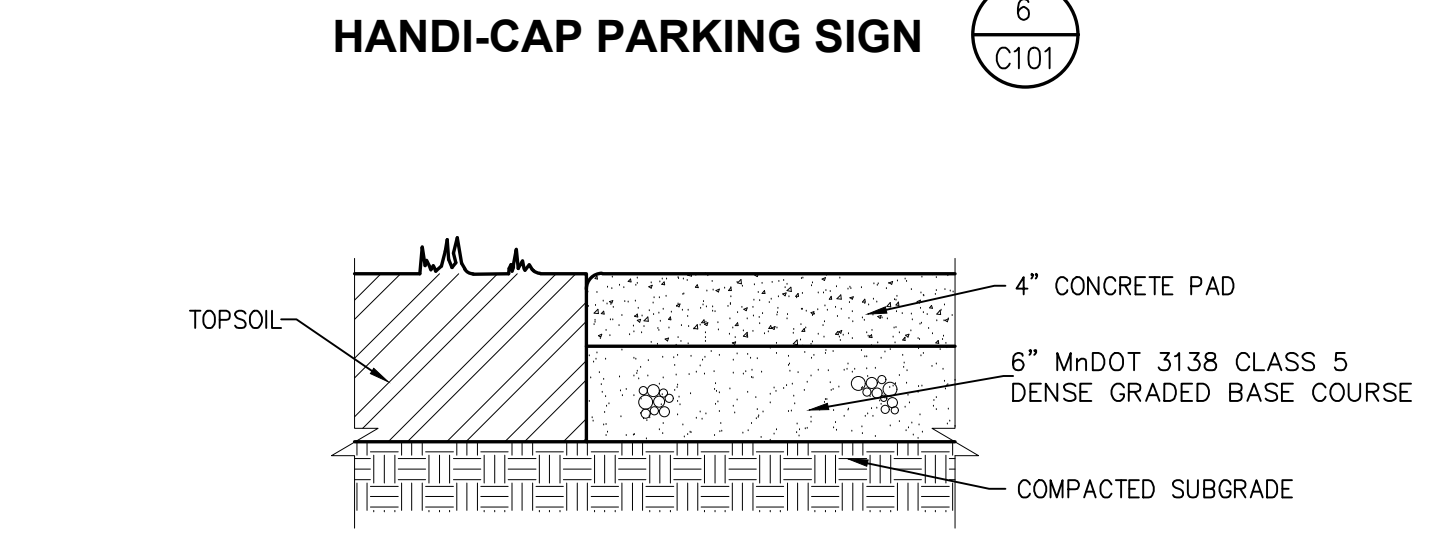
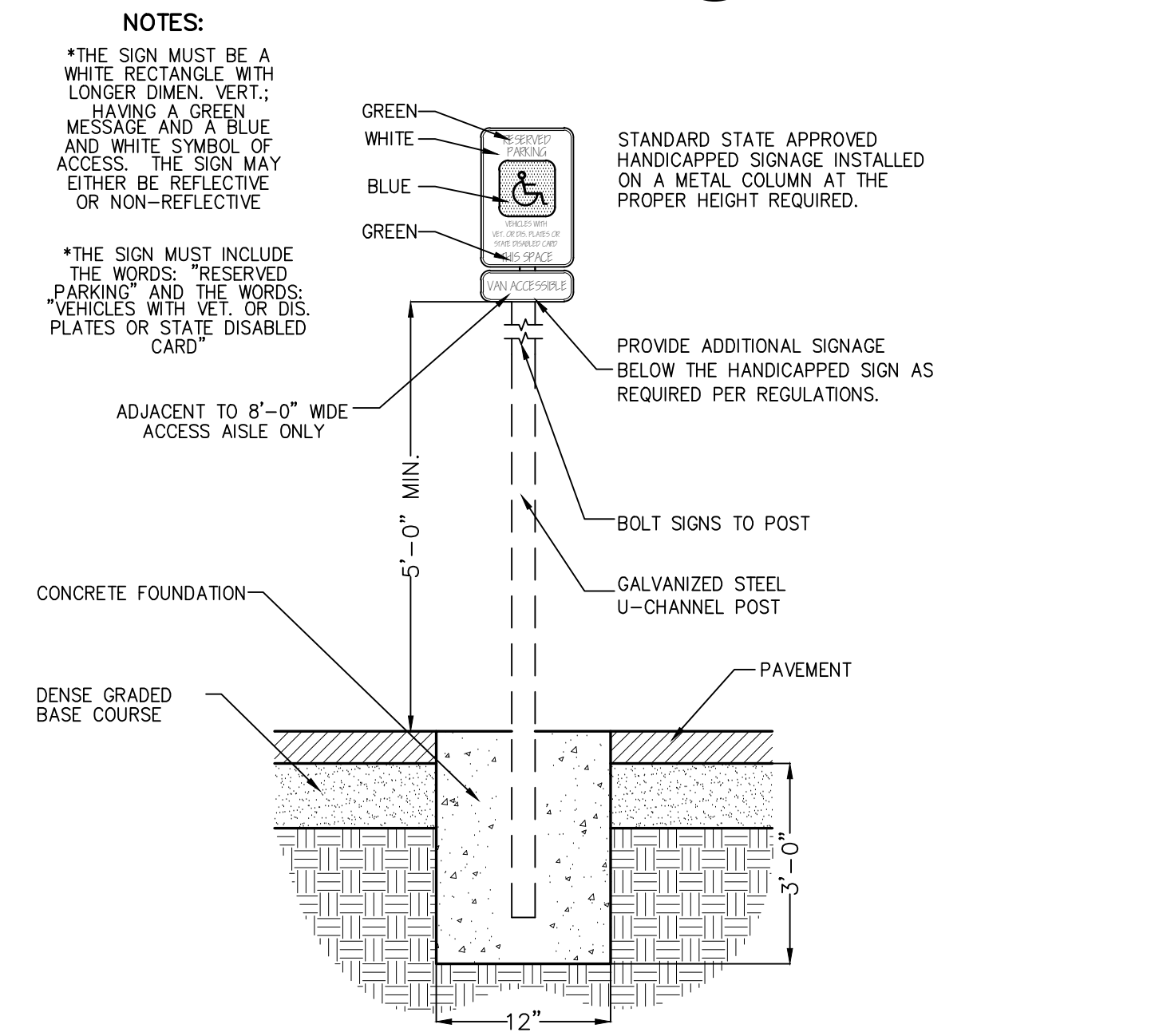
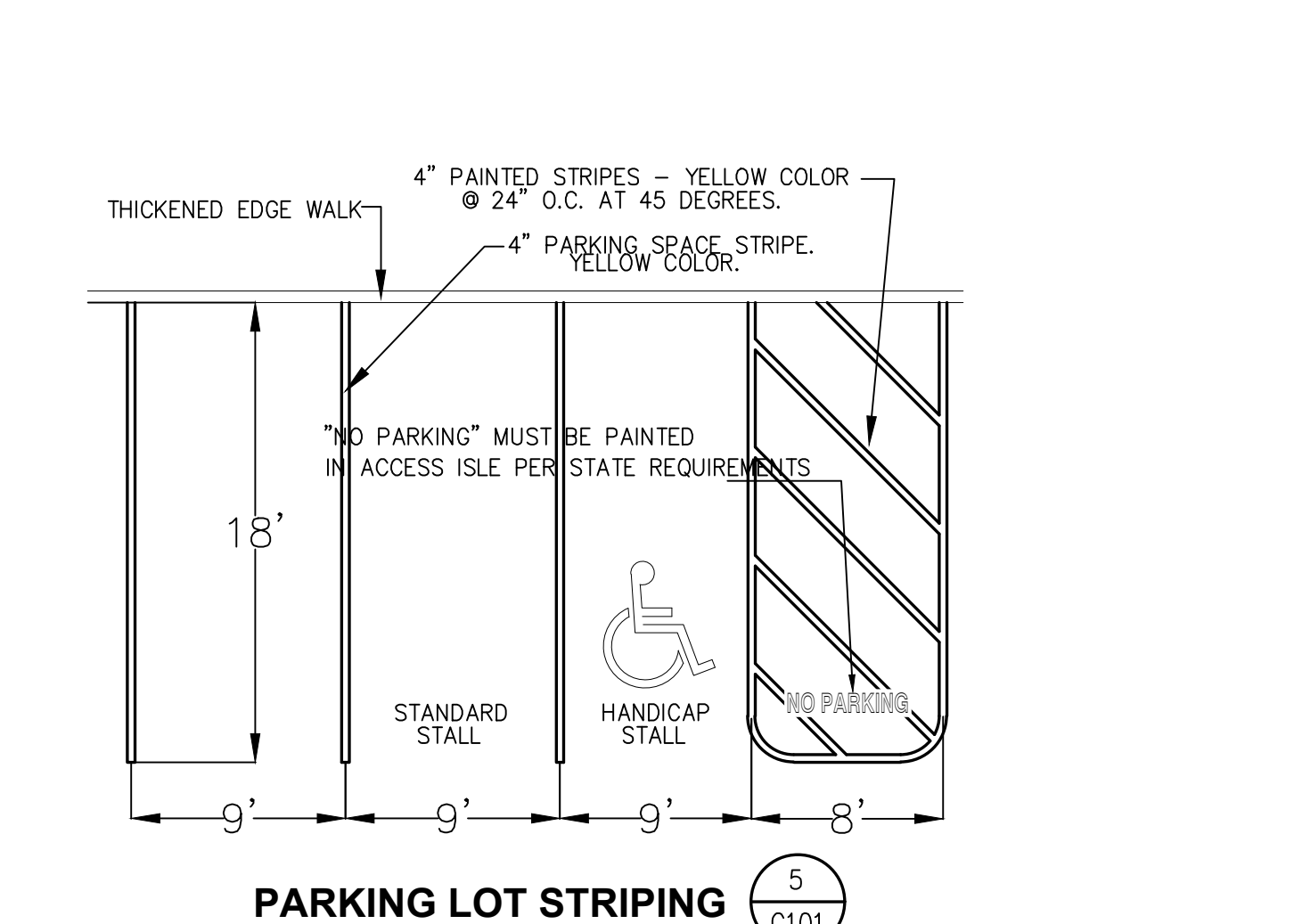
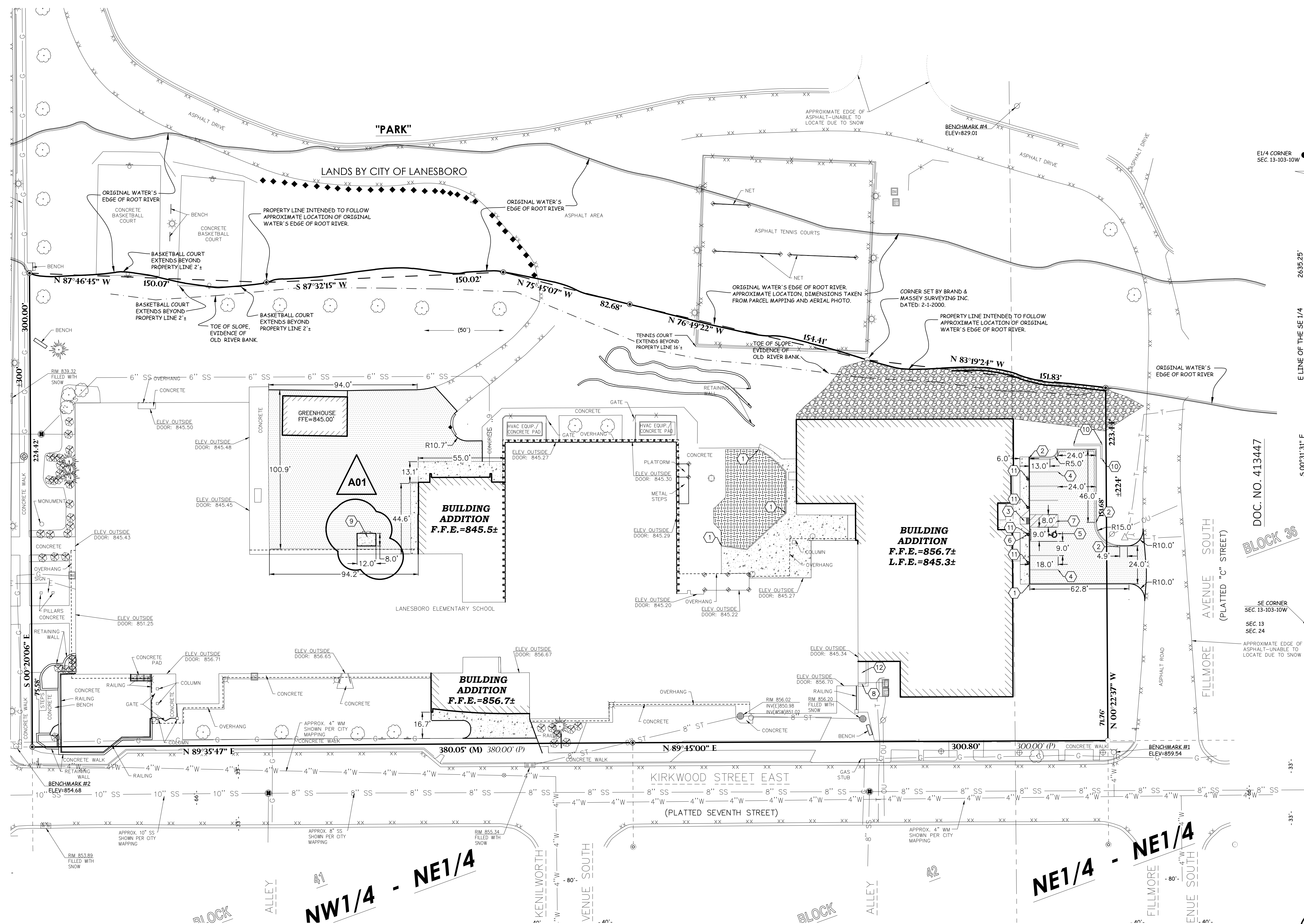
BITUMINOUS REMOVAL	[Hatch Pattern]
CONCRETE REMOVAL	[Hatch Pattern]
BUILDING REMOVAL	[Hatch Pattern]
CLEAR AND GRUB EXISTING WOODED AREA	[Hatch Pattern]

BENCH MARK

- ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.
- BENCHMARK #1**
TOP OF NORTH BOLT ON HYDRANT FLANGE, LOCATED AT NORTHWEST CORNER OF INTERSECTION OF FILLMORE AVENUE AND KIRKWOOD STREET.
ELEVATION = 854.64
- BENCHMARK #2**
BURY BOLT ON HYDRANT, LOCATED AT NORTHEAST CORNER OF INTERSECTION OF PARKWAY STREET AND KIRKWOOD STREET.
ELEVATION = 854.68
- BENCHMARK #3**
CIRCLED SQUARE IN CONCRETE LIGHT POLE BASE, LOCATED ON EAST SIDE OF PARKWAY STREET, 500'± NORTH OF KIRKWOOD STREET.
ELEVATION = 834.59
- BENCHMARK #4**
600 NAIL SET IN WEST SIDE OF POWER POLE, LOCATED ON NORTH SIDE OF ASPHALT DRIVE, 100'± NORTHWEST OF NORTHWEST CORNER OF TENNIS COURT AREA.
ELEVATION = 829.01

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GENERAL NOTES:

- CONTACT GOPHER STATE ONE CALL (651-454-0002) 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
- PRIOR TO THE START OF CONSTRUCTION INSTALL ALL REQUIRED EROSION CONTROL MEASURES IN ACCORDANCE WITH LOCAL MUNICIPAL AND MINNESOTA POLLUTION CONTROL AGENCY REGULATIONS.
- ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN ACCORDANCE WITH THE MINNESOTA POLLUTION CONTROL AGENCY AND LOCAL AUTHORITIES.
- SEE SHEET C103 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
- ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR AND INCLUDED IN THE BASE BID CONTRACT.
- VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- ALL BIDDERS PLANNING ON SUBMITTING A BID SHALL VISIT THE SITE AND REVIEW THE EXISTING CONDITIONS PRIOR TO THE BID DATE.
- PRIOR TO THE START OF WORK VERIFY WITH THE LOCAL AUTHORITIES THAT ALL REQUIRED PERMITS HAVE BEEN ACQUIRED.
- COORDINATE CONSTRUCTION IN THE RIGHT OF WAY WITH THE LOCAL AUTHORITIES.
- PROVIDE PROPER BARRICADES, SIGNS AND TRAFFIC CONTROL TO MAINTAIN THRU TRAFFIC ALONG ADJACENT STREETS IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS.
- ALL GENERAL LANDSCAPE AREAS SHALL BE SEEDED/FERTILIZED/CRIMP HAY MULCHED OR HYDROSEEDED WITH TACKIFIER IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

KEYNOTES:

- THICKENED EDGE WALK
- 24" CURB & GUTTER
- HANDI-CAP RAMP
- PARKING LOT STRIPING
- HANDICAP PARKING STALL
- HANDICAP PARKING SIGN
- ADA ACCESS ROUTE
- EGRESS LADDER (SEE ARCHITECTURAL)
- DUMPSTER PAD (ENCLOSED WITH CHAINLINK FENCE WITH PRIVACY SLATS)
- RETAINING WALL (SEE ARCHITECTURAL)
- BOLLARD WITH LIGHTING (SEE ELECTRICAL)
- MECHANICAL AREA WELL (SEE STRUCTURAL)

PAVEMENT HATCH PATTERNS:

- PROPOSED 3.5" ASPHALTIC CONCRETE PAVEMENT W/ 1/2" BASE COURSE
- PROPOSED 4" CONCRETE PAVEMENT
- PROPOSED 6" REINFORCED CONCRETE PAVEMENT
- PROPOSED RUBBER MULCH SOFT SURFACE PLAY AREA (REPLACE EXISTING AREA AND EXISTING THICKNESS)
- PROPOSED RIP RAP AREA

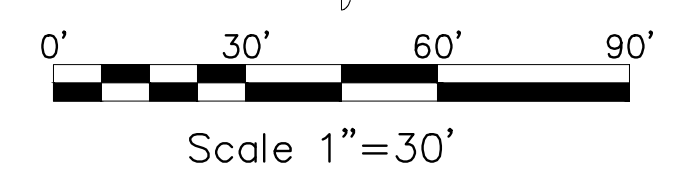
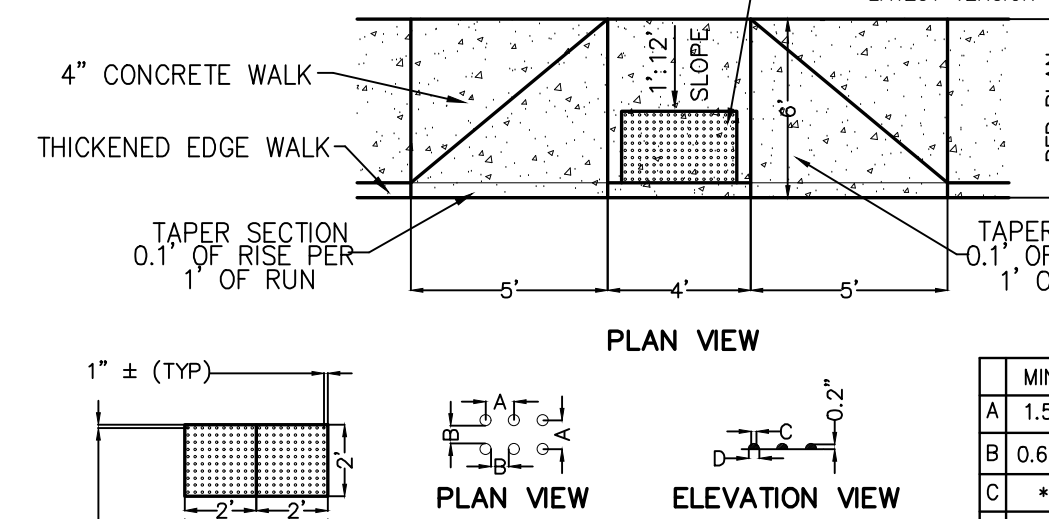
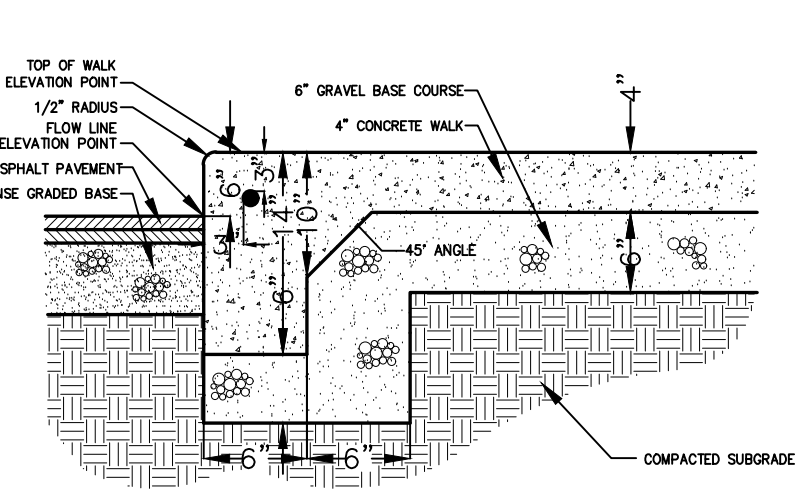
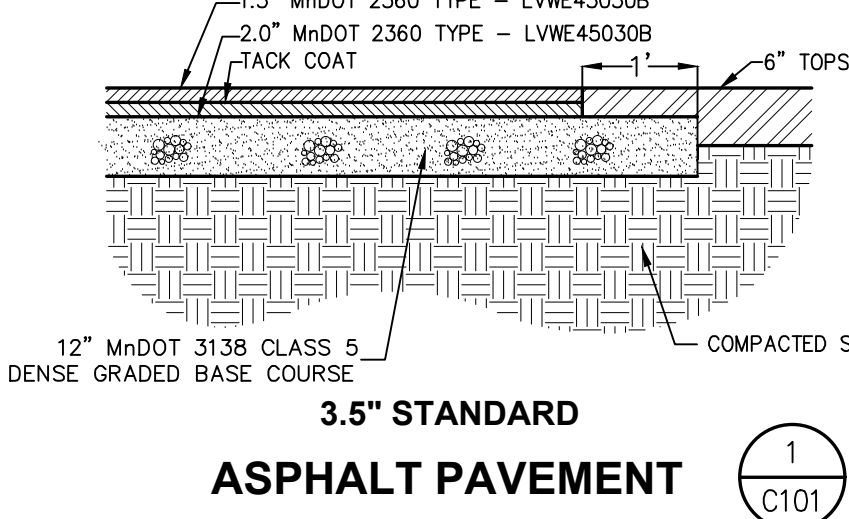
BENCH MARK
ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
TOP OF NORTH BOLT ON HYDRANT FLANGE, LOCATED AT NORTHWEST CORNER OF INTERSECTION OF FILLMORE AVENUE AND KIRKWOOD STREET.
ELEVATION = 854.54

BENCHMARK #2
BURY BOLT ON HYDRANT, LOCATED AT NORTHEAST CORNER OF INTERSECTION OF PARKWAY STREET AND KIRKWOOD STREET.
ELEVATION = 854.68

BENCHMARK #3
CIRCLED SQUARE IN CONCRETE LIGHT POLE BASE, LOCATED ON EAST SIDE OF PARKWAY STREET, 500' N NORTH OF KIRKWOOD STREET.
ELEVATION = 834.59

BENCHMARK #4
600 NAIL SET IN WEST SIDE OF POWER POLE, LOCATED ON NORTH SIDE OF ASPHALT DRIVE, 100' N NORTHWEST OF NORTHWEST CORNER OF TENNIS COURT AREA.
ELEVATION = 829.01

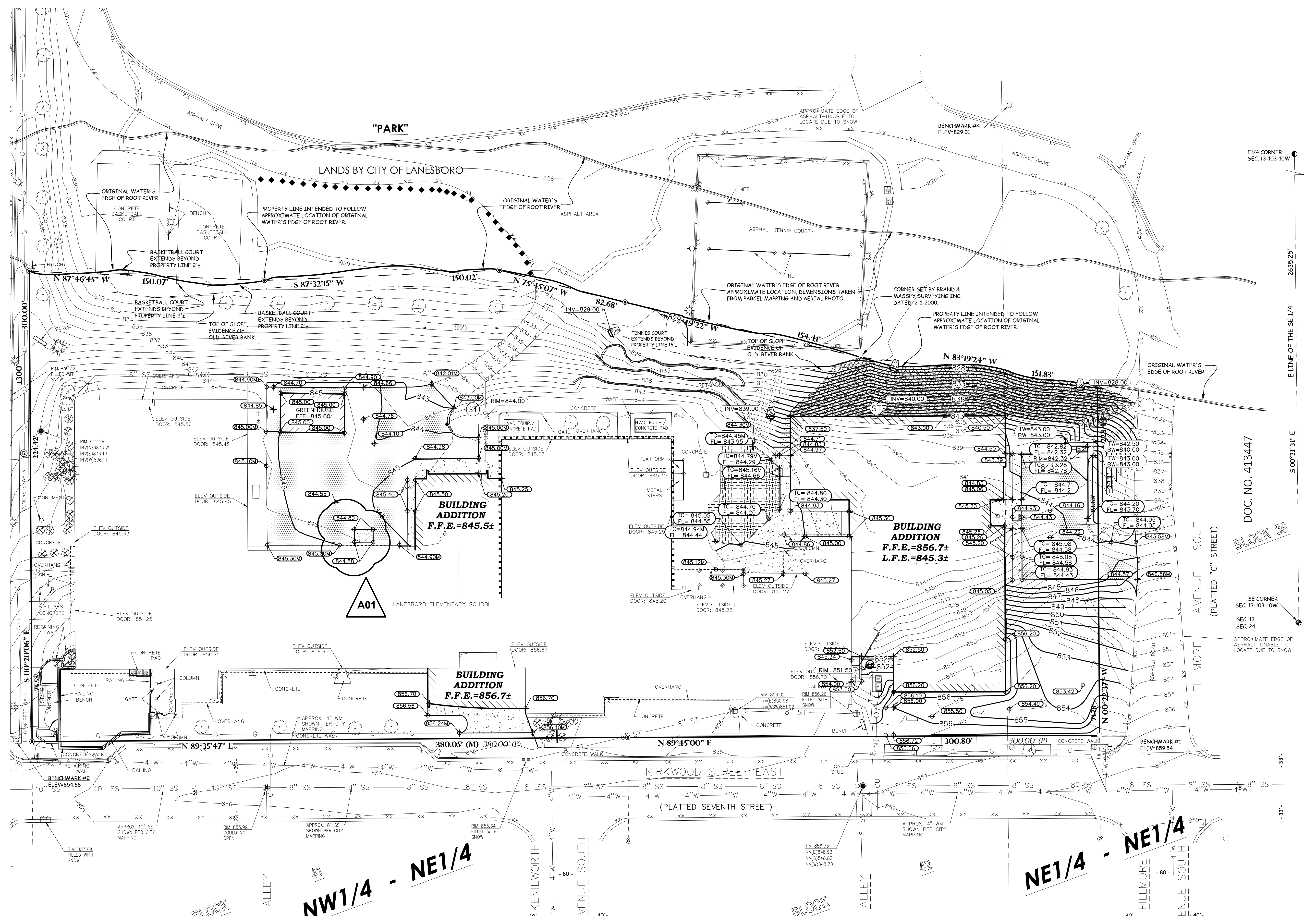


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I hereby certify that this plan, specification, or report was prepared by me, or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Date: _____
James J. Lundberg, P.E.
Registration No. 44630

No.	Description	Date
A01	ADDENDUM #1	8/13/2019

Graphic Scale: **1" = 30'**
Last Update: **07/25/2019**



GENERAL NOTES:

- CONTACT GOPHER STATE ONE CALL (651-454-0002) 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- THE PROPOSED SITE PLAN FINISH FLOOR ELEVATION OF 846.7' EQUALS THE PROPOSED BUILDING ARCHITECTURAL FINISH FLOOR ELEVATION OF 100.00'.
- GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
- ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE COORDINATED WITH THE APPLICABLE UTILITY COMPANY.
- INSTALL ALL REQUIRED EROSION CONTROL MEASURES IN ACCORDANCE WITH LOCAL AUTHORITIES AND MINNESOTA POLLUTION CONTROL AGENCY REGULATIONS.
- ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN ACCORDANCE WITH THE MINNESOTA POLLUTION CONTROL AGENCY AND LOCAL AUTHORITIES REGULATIONS.
- 6" OF TOPSOIL SHALL BE PROVIDED IN ALL GENERAL LAWN AREAS AND 12" SHALL BE PROVIDED IN ALL PLANTING BED AREAS.
- SEE SHEET 4 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
- REFER TO THE PROPOSED BUILDING MECHANICAL/PLUMBING PLANS FOR EXACT CONNECTION LOCATIONS AND VERIFY SANITARY SEWER LATERAL.
- COORDINATE ALL EARTHWORK AND UTILITY ACTIVITIES WITH GAS, ELECTRIC, (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE) CABLE AND TELEPHONE CONSTRUCTION AND RESPECTIVE TRADES FOR THE INSTALLATION OF SAID UTILITIES.
- REINFORCED TURF SHALL MEET THE REQUIREMENTS OF MPCA TURF REINFORCEMENT MAT TYPE 5.C AND SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- EXCESS TOPSOIL SHALL BE STOCKPILED AND STORED ONSITE FOR FUTURE USE, UNLESS OTHERWISE DIRECTED BY THE OWNER.
- THE LOCAL MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL HAVE HIS TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING. THE LOCAL MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES IF NEEDED.
- GRADES AT BUILDING EDGE SHALL BE 6" BELOW FINISHED FLOOR ELEVATION EXCEPT AT DOOR WAY ENTRANCES OR UNLESS OTHERWISE NOTED.

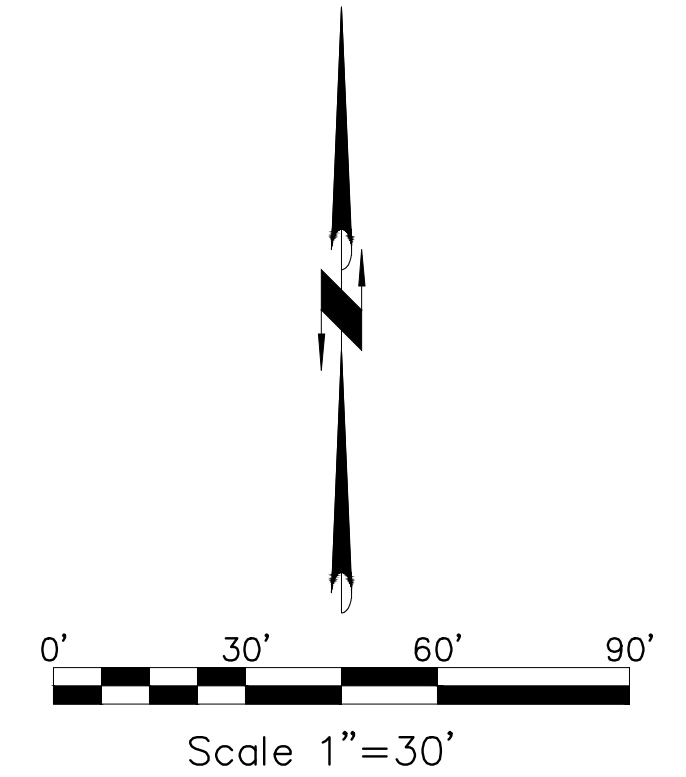
GRADING LEGEND:

EXISTING CONTOUR	— 853 —
PROPOSED CONTOUR	— 853 —
PROPOSED SPOT ELEVATION	⊕ 845.00
PROPOSED ENDWALL INVERT ELEVATION	⊕ INV=845.00
PROPOSED RIM ELEVATION	⊕ RIM=845.00
PROPOSED TOP OF CURB ELEVATION	⊕ TC=845.00
PROPOSED FLOW LINE ELEVATION	⊕ FL=845.00
PROPOSED TOP OF WALL ELEVATION	⊕ TW=845.00
PROPOSED BOTTOM OF WALL ELEVATION	⊕ BW=845.00
PROPOSED MATCH ELEVATION (CONTRACTOR TO VERIFY)	⊕ 845.00M
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	⊕ 2 C104
PROPOSED STORM SEWER CLEANOUT	⊕ 4 C104
PROPOSED STORM INLET	⊕ 1 C104
PROPOSED CURB STORM INLET	⊕ 1 C104

BENCH MARK

- ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.
- BENCHMARK #1**
TOP OF NORTH BOLT ON HYDRANT FLANGE, LOCATED AT NORTHWEST CORNER OF INTERSECTION OF FILLMORE AVENUE AND KIRKWOOD STREET.
ELEVATION = 858.54
- BENCHMARK #2**
BURY BOLT ON HYDRANT, LOCATED AT NORTHEAST CORNER OF INTERSECTION OF PARKWAY STREET AND KIRKWOOD STREET.
ELEVATION = 854.68
- BENCHMARK #3**
CIRCLED SQUARE IN CONCRETE LIGHT POLE BASE, LOCATED ON EAST SIDE OF PARKWAY STREET, 500' N NORTH OF KIRKWOOD STREET.
ELEVATION = 834.59
- BENCHMARK #4**
600 NAIL SET IN WEST SIDE OF POWER POLE, LOCATED ON NORTH SIDE OF ASPHALT DRIVE, 100' N NORTHWEST OF NORTHWEST CORNER OF TENNIS COURT AREA.
ELEVATION = 829.01

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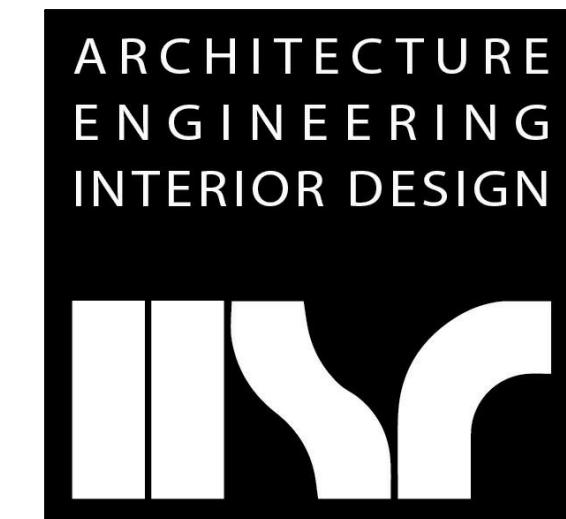
1 LOWER LEVEL REMOVAL FLOOR PLAN - SEG A

1/8" = 1'-0"

- REMOVAL GENERAL NOTES:**
- A ALL STRUCTURES SHOWN DASHED ON THIS PLAN SHALL BE COMPLETELY REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE NOTED. REFERENCE MEP SHEETS FOR ALL EQUIPMENT REMOVALS AND MODIFICATIONS. TIME AND METHODS SHALL BE COORDINATED WITH AND AGREED TO BY THE OWNER AND ARCHITECT. THIS SHALL INCLUDE ALL ELECTRICAL, MECHANICAL OR PLUMBING WITHIN THE REMOVED STRUCTURE. TERMINATE AND CAP MEP AS REQUIRED. DO NOT ABANDON IN PLACE UNLESS CONDUIT, PIPE, ETC. REMOVE COMPLETELY. VERIFY GENERAL CONDITIONS IN FIELD PRIOR TO BIDDING.
 - B PREPARATION FOR NEW FINISHES SHALL INCLUDE BUT NOT LIMITED TO REMOVAL OF EXISTING FINISHES, REMOVAL OF TAPES, GLUES (MASTIC), NAILS, ETC. PATCHING OF HOLES AND CRACKS TO PROVIDE AN ACCEPTABLE SURFACE FOR NEW FINISH INSTALLATION.
 - C OWNER WILL REMOVE LOOSE FURNISHINGS AND EQUIPMENT FROM THE WORK AREA PRIOR TO START OF CONSTRUCTION.
 - D DELIVERY ROUTE AND TIMES FOR NEW MATERIALS AND EQUIPMENT SHALL BE COORDINATED WITH AND AGREED TO BY THE OWNER.
 - E CONTRACTORS SHALL BE REQUIRED TO USE EFFECTIVE MEASURES TO AVOID SPREADING/TRACKING DUST AND DEBRIS OUTSIDE THE WORK SPACE.
 - F MAINTAIN ALL EXIT DOORS AND CORRIDORS IN UNOBSTRUCTED OPERABLE CONDITION WITH SAFE PASSAGE AWAY FROM THE BUILDING. COORDINATE WITH LOCAL FIRE MARSHAL AS REQUIRED.
 - G ROOM NUMBERS ARE SHOWN ON THIS PLAN FOR INFORMATIONAL AND COORDINATE PURPOSES ONLY.
 - H SEE MECHANICAL, PLUMBING AND ELECTRICAL SHEETS FOR ADDITIONAL REMOVAL NOTES AND ITEMS.
 - I COORDINATE REMOVAL AND PATCHING WITH MEP DRAWINGS. PATCH TO MATCH EXISTING ADJACENT CONDITIONS.
 - J COORDINATE STORAGE LOCATIONS FOR SALVAGED EQUIPMENT, ACCESSORIES, ETC. WITH THE OWNER. SALVAGED ITEMS SHALL BE PLACED AT A COMMON LOCATION INDICATED BY OWNER.
 - K CONTRACTOR TO INSTALL AND MAINTAIN A DUST ENCLOSURE FOR REMOVAL AND NEW CONSTRUCTION WORK.
 - L PROVIDE FLOOR PROTECTION AS SPECIFIED AT DEBRIS REMOVAL PATHS THROUGH BUILDING.

- REMOVAL PLAN LEGEND:**
- SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
 - - - REMOVE ITEMS NOTED WITH DASHED LINES
 - - - - - SYMBOL INDICATES REMOVAL OF DOOR AND FRAME UNLESS NOTED OTHERWISE
 - ▨ FLOOR REMOVAL EXTENTS
 - ▩ ROOF REMOVAL EXTENTS
 - ▧ CEILING REMOVAL EXTENTS

- KEY NOTES REMOVAL**
- 1 REMOVE TROPHY CASE
 - 2 REMOVE OVERHEAD COILING CONCESSION DOOR FOR REUSE
 - 3 REMOVE OVERHEAD COILING DOOR
 - 4 REMOVE WINDOW - INFILL OR ENLARGE OPENINGS AS INDICATED ON NEW PLANS
 - 5 SAWCUT NEW DOOR IN CMU WALL
 - 6 REMOVE HOLLOW METAL DOOR & FRAME
 - 7 REMOVE WINDOW AND CMU BELOW FOR NEW DOOR
 - 8 REMOVE PLUMBING FIXTURE - SEE PLUMBING
 - 9 REMOVE FLOORING AND ADHESIVE TO CLEAN SUBSTRATE IN HATCH REGION
 - 10 REMOVE CASEWORK
 - 11 REMOVE CMU WALL
 - 12 REMOVE COOLER/FREEZER
 - 13 REMOVE STEEL STAIRS AND LANDING
 - 14 REMOVE ASPHALT PARKING SURFACE - SEE CIVIL DRAWINGS FOR ADD'L INFORMATION
 - 15 REMOVE LOCKERS SALVAGE TO OWNER
 - 16 REMOVE BRICK AND CMU EXTERIOR WALL - TOOTH JAMBS
 - 17 REMOVE WATER HEATER - SEE PLUMBING TO CONFIRM LOCATION - VERIFY ON SITE
 - 18 REMOVE CONCRETE FLOOR SLAB
 - 19 REMOVE CEILING
 - 20 NOTE NOT USED
 - 21 REMOVE MECHANICAL EQUIPMENT AND CONCRETE PAD - SEE MECHANICAL AND CIVIL
 - 22 REMOVE EXISTING CONCRETE STOOP
 - 23 REMOVE CAST IN PLACE CONCRETE STAIRS
 - 24 REMOVE RETAINING WALL AS REQUIRED
 - 25 EXTENTS OF CEILING DEMO FOR PIPE RELOCATION
 - 26 REMOVE PRECAST HOLLOW CORE PLANK AND CONCRETE TOPPING
 - 27 REMOVE DOOR SLAB



HSR ASSOCIATES INC.
 100 MILWAUKEE STREET
 LA CROSSE, WISCONSIN
 PHONE: 608.784.1830
 FAX: 608.782.5844
 www.hsrassociates.com

Consultant:

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 Date: July 9, 2019 Lic No: 58867
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LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
 Project Location: 204 KIRKWOOD ST EAST LANESBORO, MN 55949
 Sheet Title: LOWER LEVEL REMOVAL FLOOR PLAN - SEG A

HSR Project Number: 18063
 Project Date: 7-25-19
 Drawn By: TBS/SRW

Key Plan:

KEY PLAN

Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: 0' 2' 4' 8' 12'

Last Update: 8/13/2019 11:50:01 AM

A090



Consultant:

ENGINEER CERTIFICATION

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Jim Tompkins
Date: July 9, 2019 Lic. No. 11311

ARCHITECT CERTIFICATION

I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Paul A. [Signature]
Date: July 9, 2019 Lic. No. 58867

REMOVAL GENERAL NOTES:

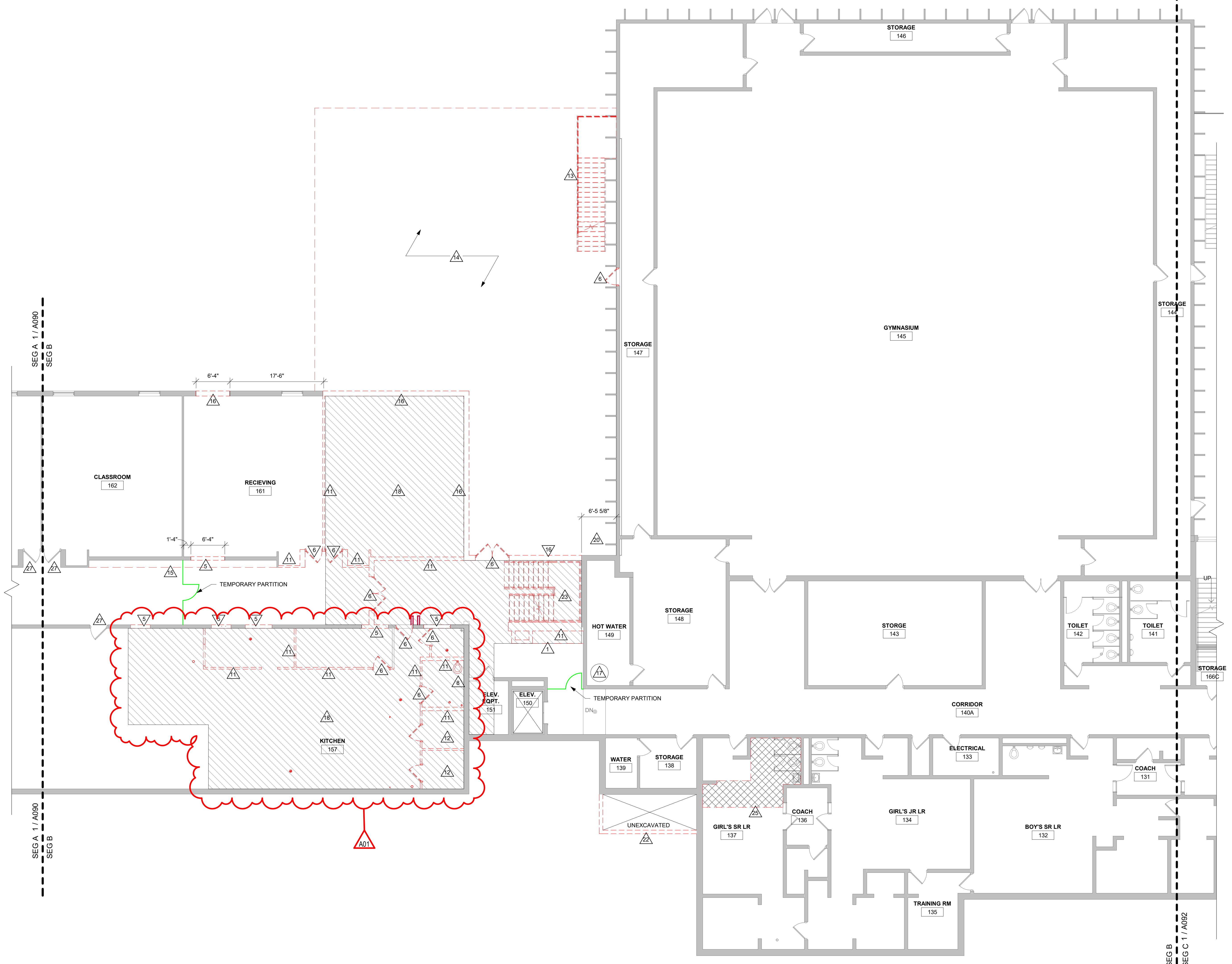
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REMOVAL PLAN LEGEND:

- SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
- - - REMOVE ITEMS NOTED WITH DASHED LINES
- - - - - SYMBOL INDICATES REMOVAL OF DOOR AND FRAME UNLESS NOTED OTHERWISE
- /// FLOOR REMOVAL EXTENTS
- /// ROOF REMOVAL EXTENTS
- /// CEILING REMOVAL EXTENTS

KEY NOTES REMOVAL

- 1 REMOVE TROPHY CASE
- 2 REMOVE OVERHEAD COILING CONCESSION DOOR FOR RELISE
- 3 REMOVE OVERHEAD COILING DOOR
- 4 REMOVE WINDOW - INFILL OR ENLARGE OPENINGS AS INDICATED ON NEW PLANS
- 5 SAWCUT NEW DOOR IN CMU WALL
- 6 REMOVE HOLLOW METAL DOOR & FRAME
- 7 REMOVE WINDOW AND CMU BELOW FOR NEW DOOR
- 8 REMOVE PLUMBING FIXTURE - SEE PLUMBING
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- 15 REMOVE LOCKERS SALVAGE TO OWNER
- 16 REMOVE BRICK AND CMU EXTERIOR WALL - TOOTH JAMBS
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- 18 REMOVE CONCRETE FLOOR SLAB
- 19 REMOVE CEILING
- 20 NOTE NOT USED
- 21 REMOVE MECHANICAL EQUIPMENT AND CONCRETE PAD - SEE MECHANICAL AND CIVIL
- 22 REMOVE EXISTING CONCRETE STOOP
- 23 REMOVE CAST IN PLACE CONCRETE STAIRS
- 24 REMOVE RETAINING WALL AS REQUIRED
- 25 EXTENTS OF CEILING DEMO FOR PIPE RELOCATION
- 26 REMOVE PRECAST GYPSUM CORE PLANK AND CONCRETE TOPPING
- 27 REMOVE DOOR SLAB



1 LOWER LEVEL REMOVAL FLOOR PLAN - SEG B

1/8" = 1'-0"

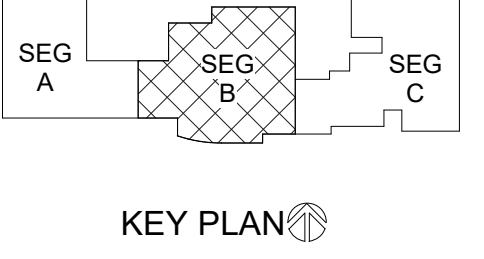
LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
 Project Location: 204 KIRKWOOD ST EAST
 LANESBORO, MN 55949
 Sheet Title: LOWER LEVEL REMOVAL FLOOR PLAN - SEG B

HSR Project Number: 18063

Project Date: 7-25-19

Drawn By: TBS/SRW

Key Plan:



No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: 0' 2' 4' 8' 12'

Last Update: 8/13/2019 11:47:57 AM

A091



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Christi A.
Date: July 9, 2019 Lic. No. 58867
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GENERAL NOTES:

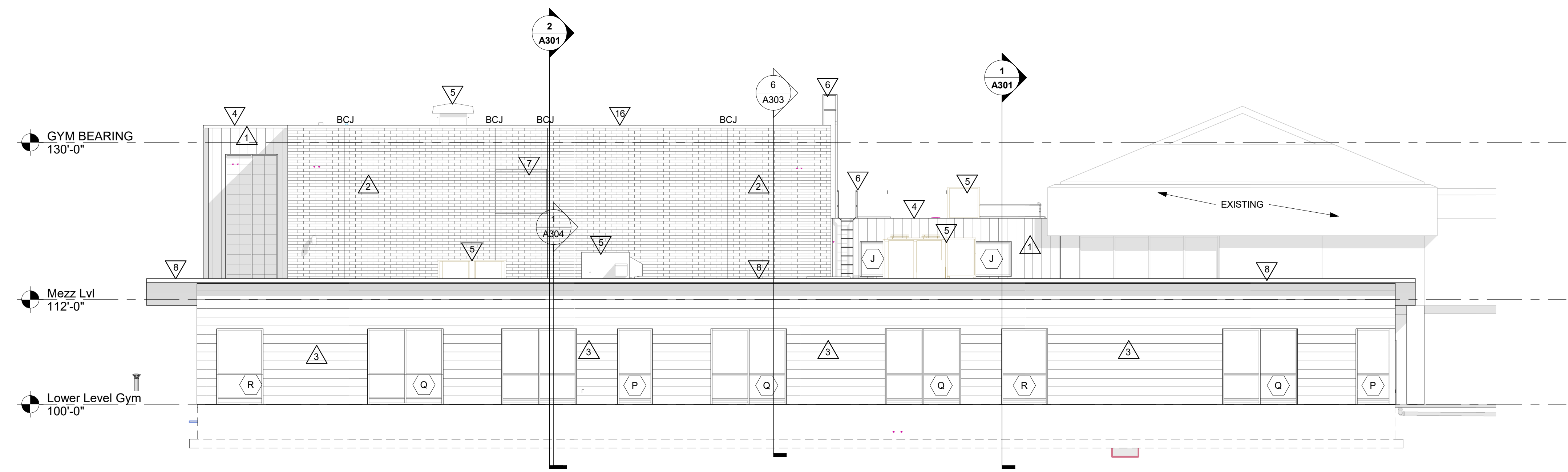
- A SEE DETAILS A510 FOR CONTROL JOINT (CJ) AND BRICK CONTROL JOINT (BCJ) INFORMATION.
- B BRICK COURSING: RUNNING BOND TYPICAL.
- C SEE SPECIFICATION FOR MATERIAL TYPE.

LEGEND:

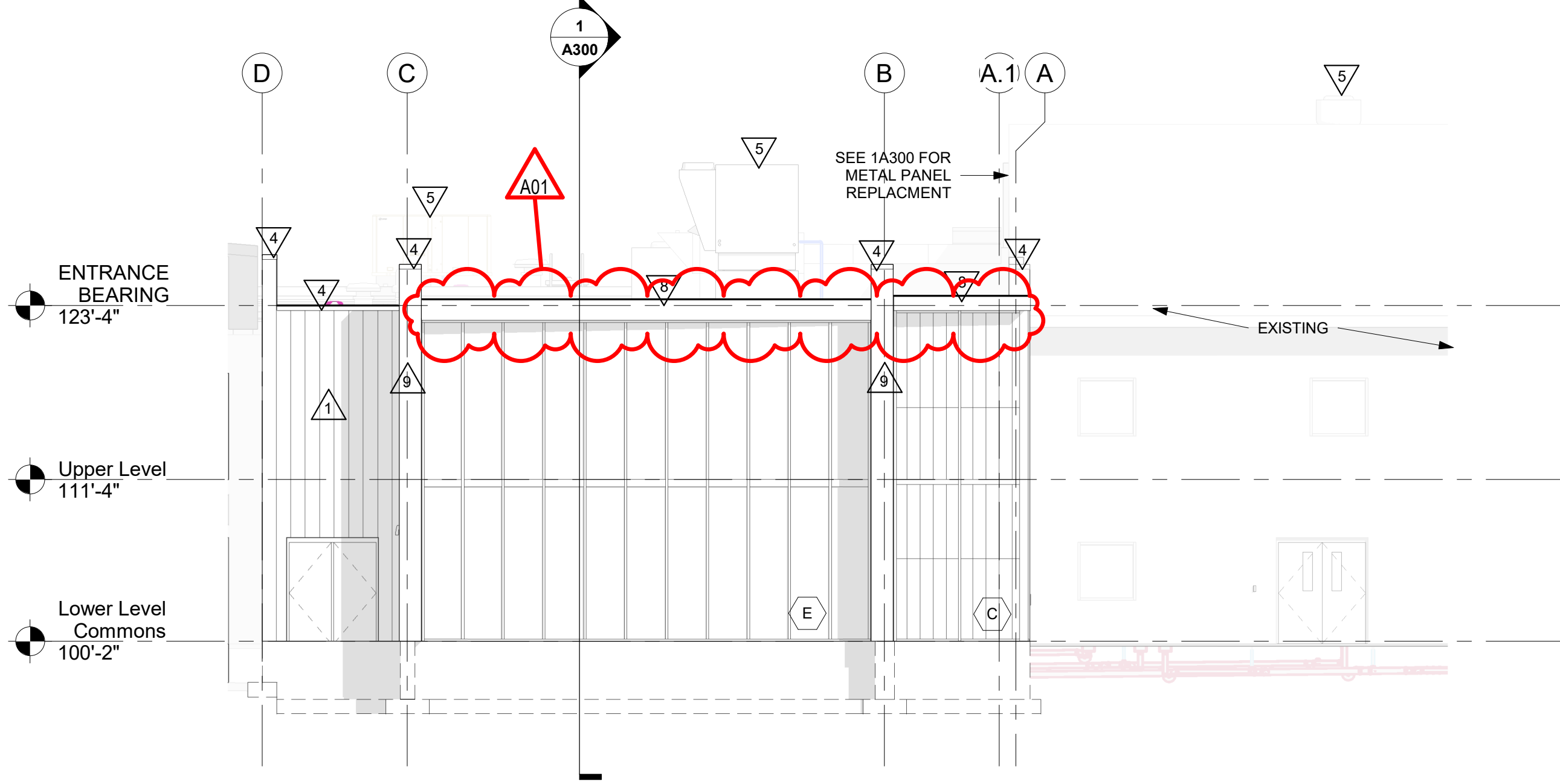
- KEYNOTE TAG
- WINDOW TAG, SEE SHEET A602 FOR FRAME ELEVATIONS
- CJ THROUGH WALL CONTROL JOINT - SEE DETAILS A510
- BCJ BRICK VENEER CONTROL JOINT - SEE DETAILS A510

KEY NOTES ELEVATION

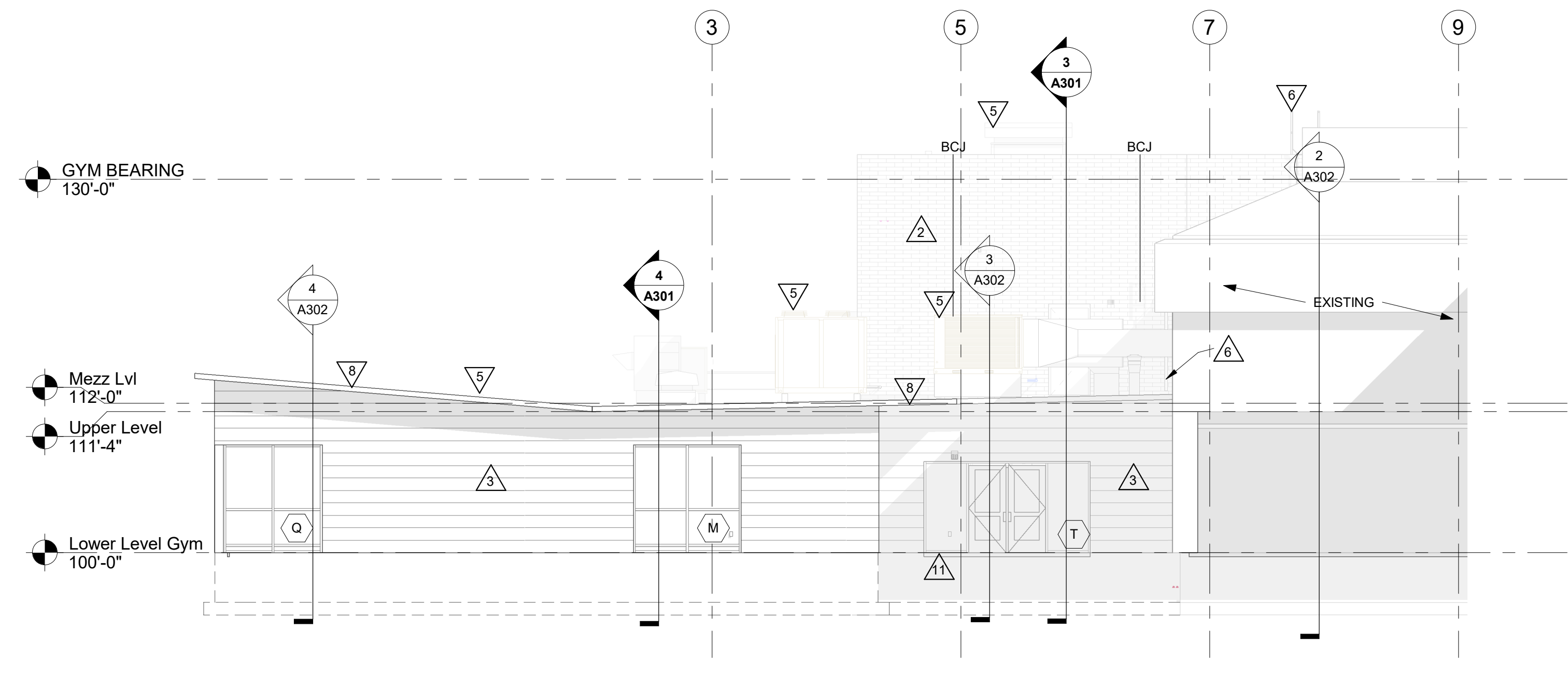
- 1 VERTICAL ARCHITECTURAL METAL FLUSH PANEL TYPE 2 - COLOR #1
- 2 BRICK VENEER - LIGHT BROWN
- 3 HORIZONTAL METAL FLUSH PANEL TYPE 2 - COLOR #2
- 4 PRE-FINISHED ALUMINUM CAP TO MATCH METAL PANEL
- 5 MECHANICAL EQUIPMENT - SEE MECH
- 6 ROOF ACCESS LADDER
- 7 MECHANICAL LOUVER - SEE MECH
- 8 PRE-FINISHED METAL FASCIA
- 9 ARCHITECTURAL METAL PLATE WALL PANEL TYPE 1 - COLOR #3
- 10 OVERFLOW SCUPPER - SEE ROOF PLAN
- 11 CONCRETE PAD - SEE STRUCTURAL
- 12 SPLIT FACE CMU
- 13 ARCHITECTURAL METAL PLATE WALL PANEL TYPE 1 - COLOR #4
- 14 BRICK VENEER - TAN
- 15 GABLE ARCHITECTURAL METAL PLATE WALL PANEL TYPE 1 - COLOR #3
- 16 PRE-FINISHED ALUMINUM CAP



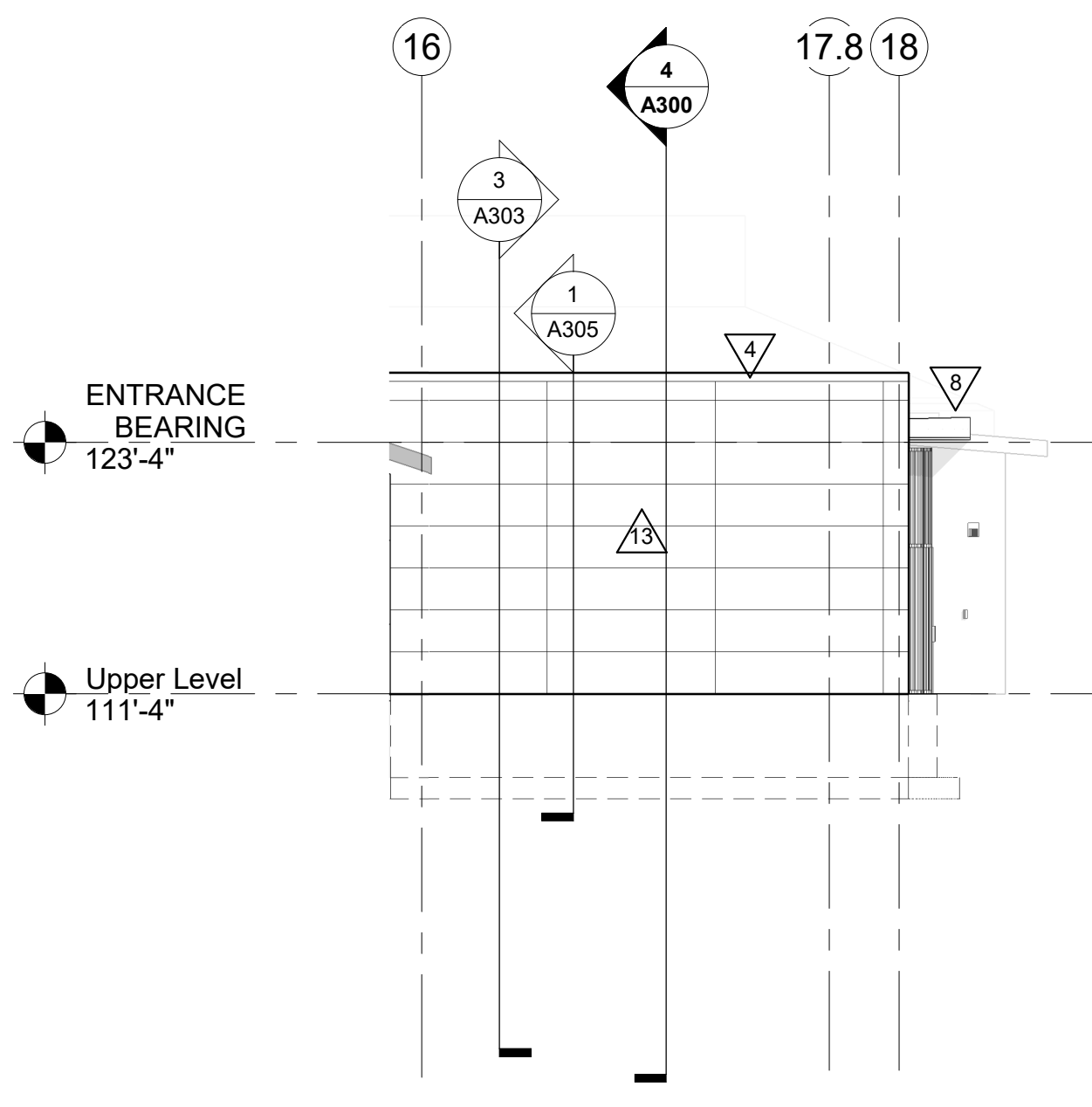
1 EXTERIOR ELEVATION
1/8" = 1'-0"



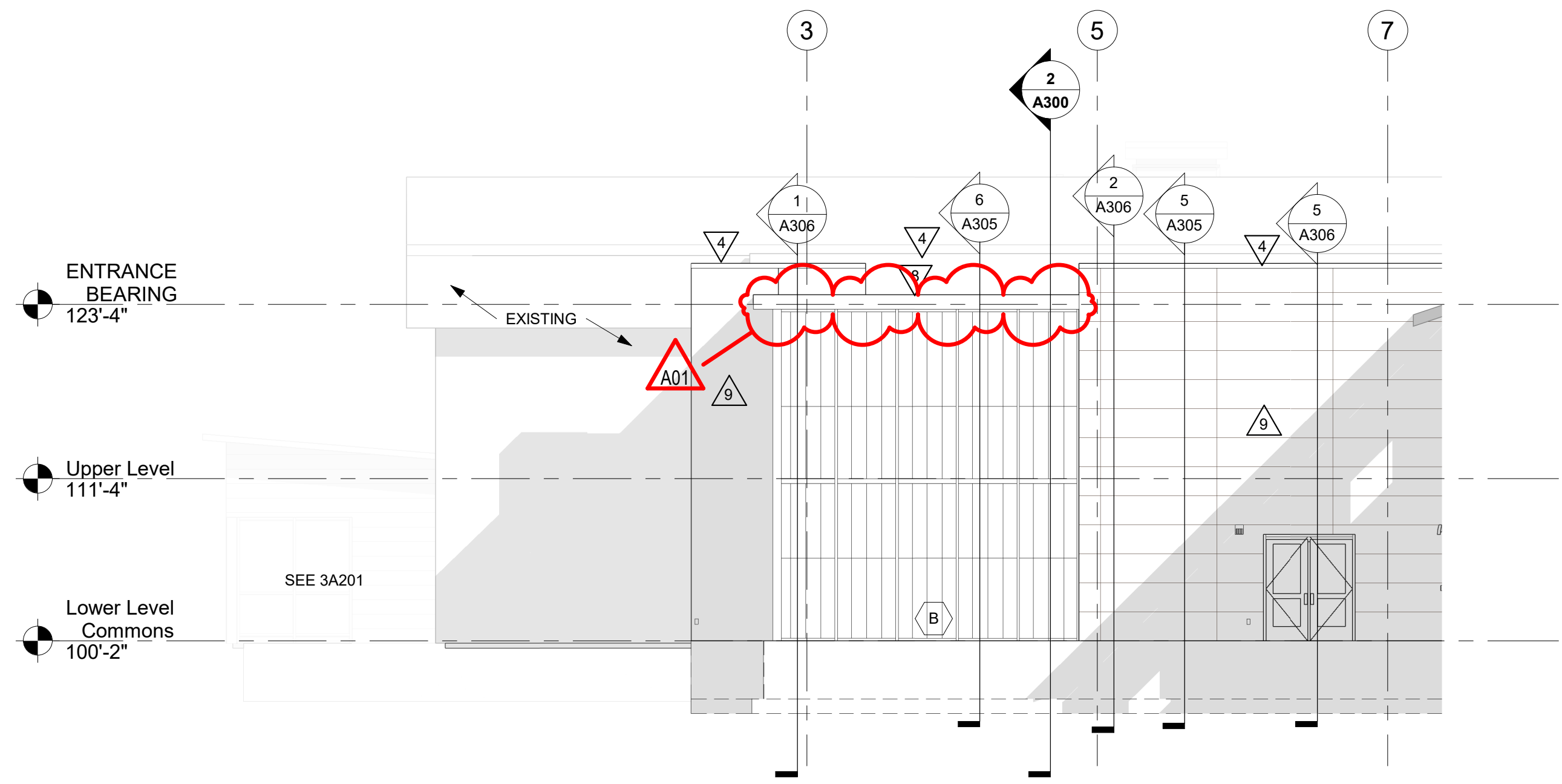
2 EXTERIOR ELEVATION
1/8" = 1'-0"



3 EXTERIOR ELEVATION
1/8" = 1'-0"



4 EXTERIOR ELEVATION
1/8" = 1'-0"



5 EXTERIOR ELEVATION
1/8" = 1'-0"

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
 204 KIRKWOOD ST EAST
 LANESBORO, MN 55949
ELEVATIONS

HSR Project Number:

18063

Project Date:

7-25-19

Drawn By:

TBS/SRW

Key Plan:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:
0' 2' 4' 8' 12'

Last Update:

8/13/2019 11:46:28 AM

A201



Consultant:

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Jim Tompkins

Date: July 9, 2019 Lic. No. 11311
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ARCHITECT CERTIFICATION
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Paul A. ...

Date: July 9, 2019 Lic. No. 58867
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Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL

Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949

Sheet Title: WALL SECTIONS

HSR Project Number: 18063

Project Date: 7-25-19

Drawn By: TBS/SRW

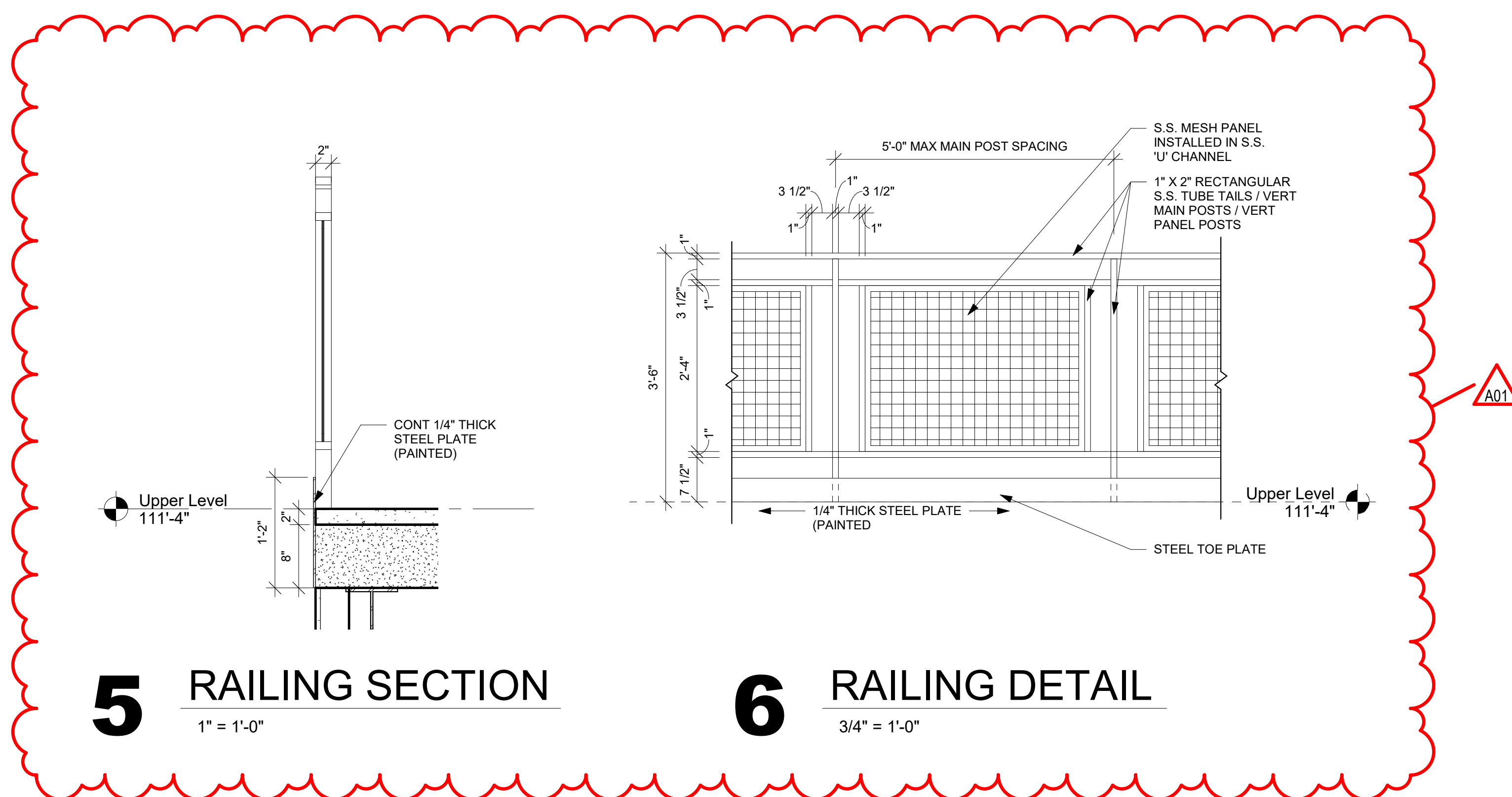
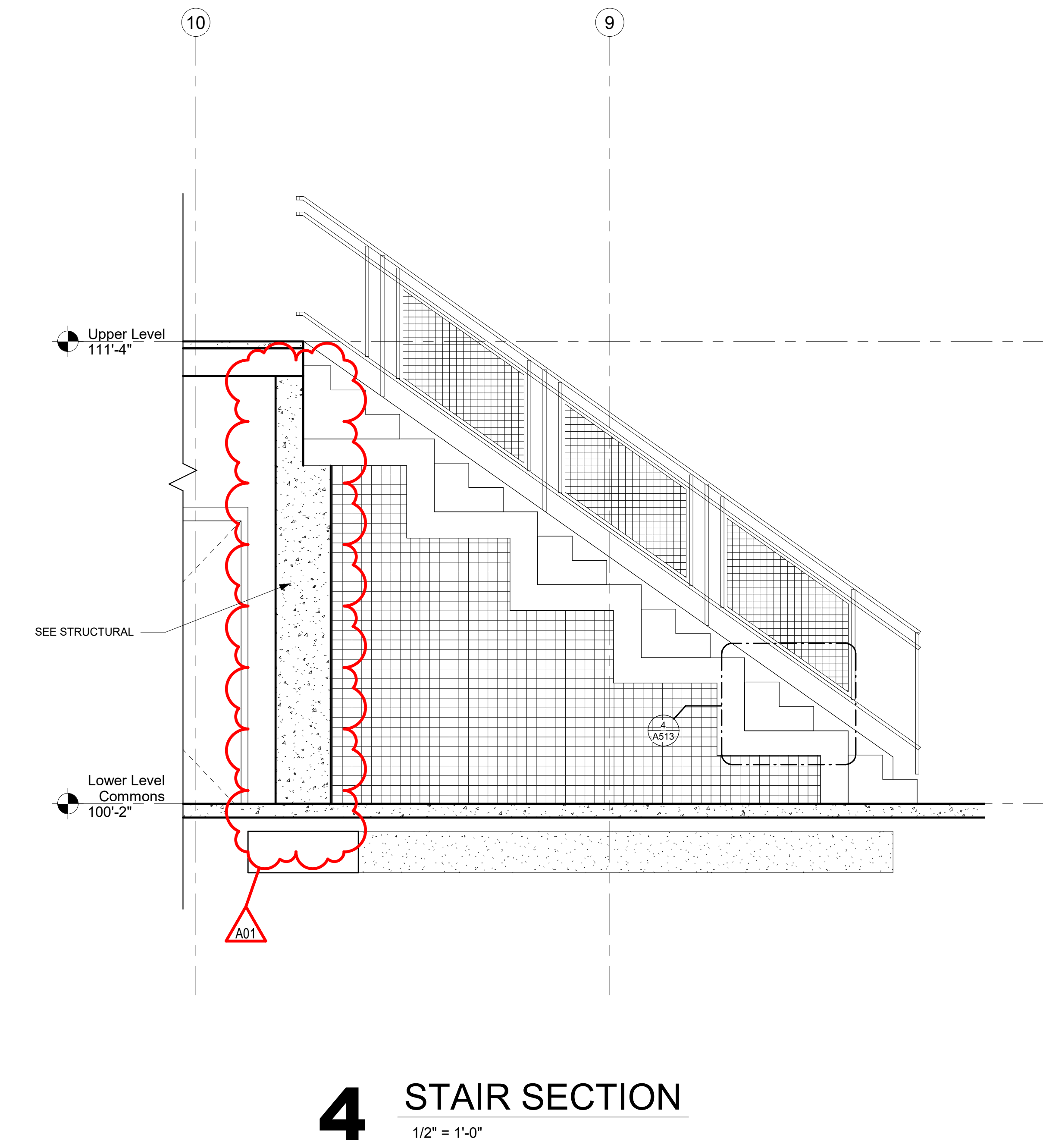
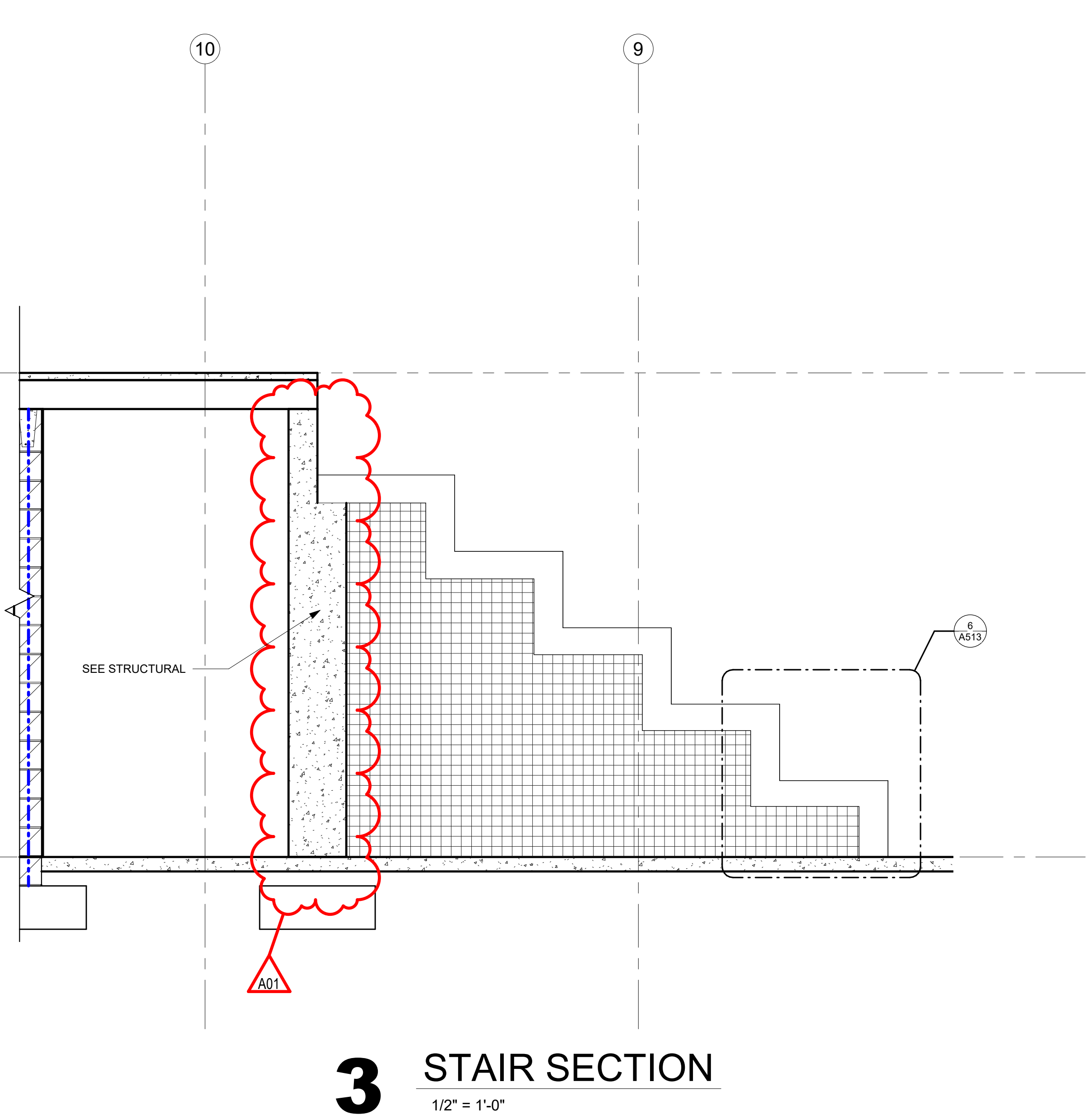
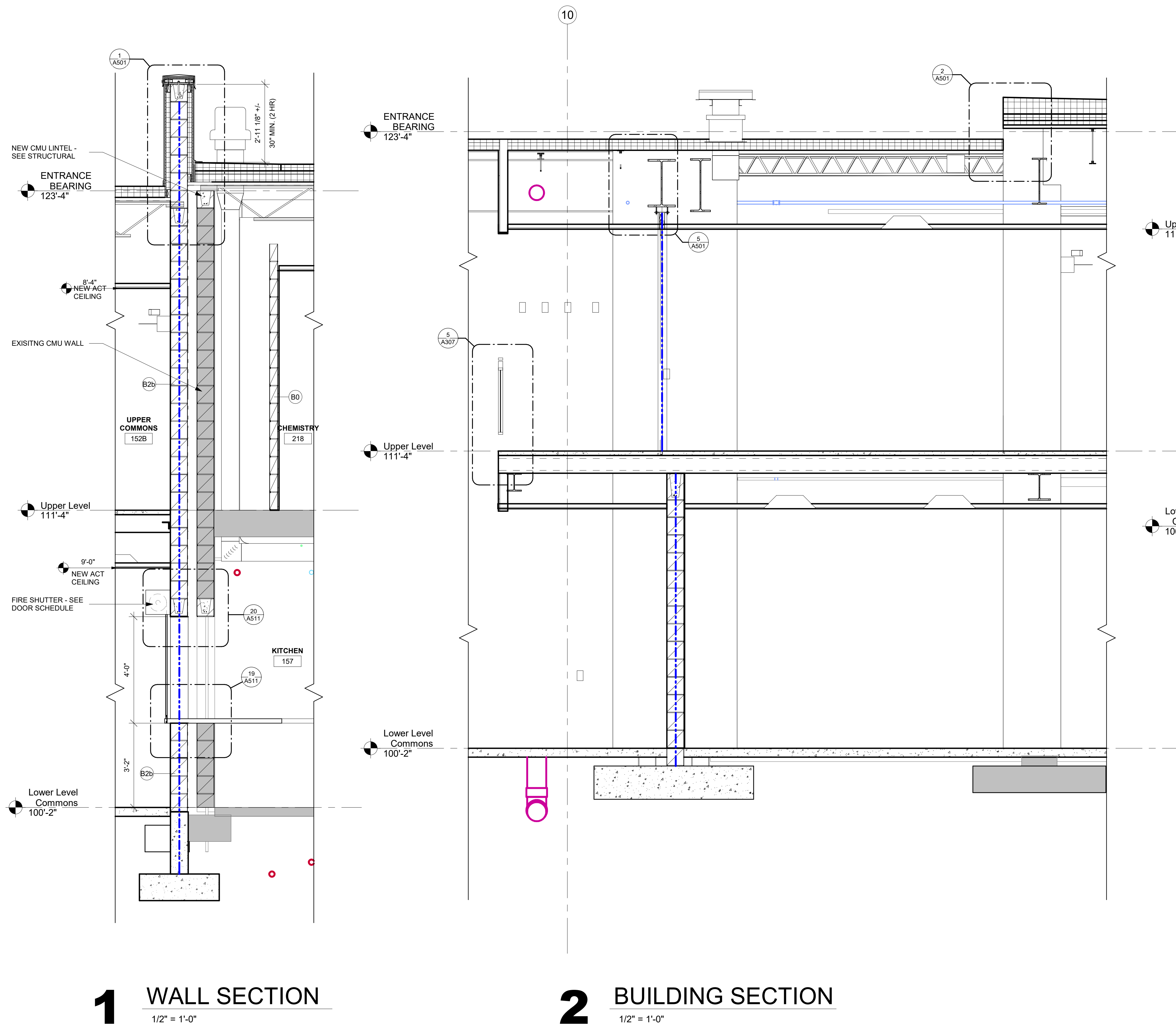
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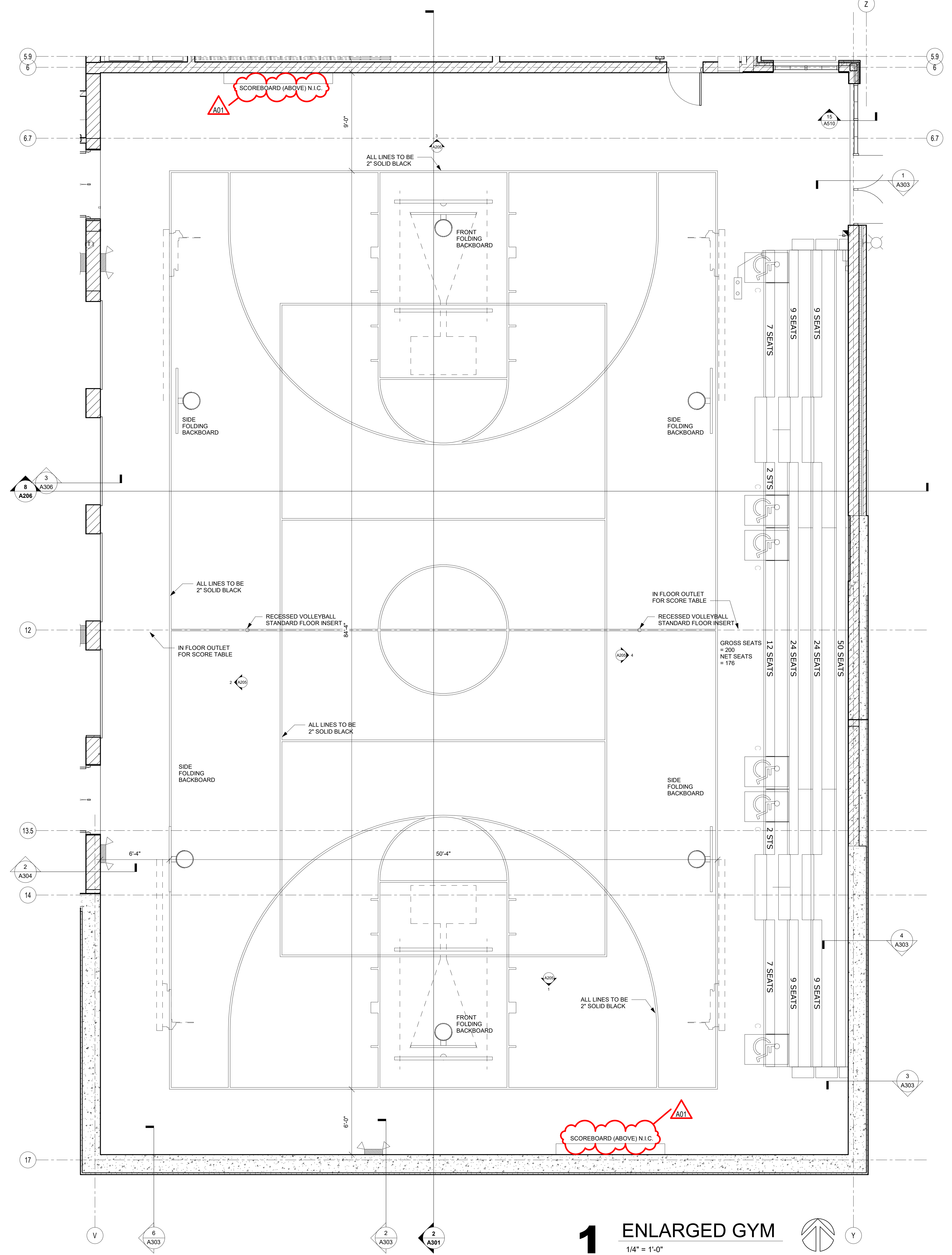
No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: VARIES

Last Update: 8/13/2019 11:42:20 AM

A307





1 ENLARGED GYM
1/4" = 1'-0"



Consultant:

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the state of Minnesota.
Jim Temple
Date: July 9, 2019 Lic. No. 11311
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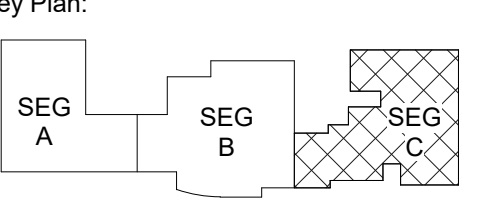
ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Paul A. [Signature]
Date: July 9, 2019 Lic. No. 58867
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**LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL**
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
ENLARGED GYM FLOOR PLANS

HSR Project Number: 18063

Project Date: 7-25-19

Drawn By: SRW



KEY PLAN

Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:
0 1' 2' 4' 6'

Last Update: 8/13/2019 11:40:14 AM

A401



Consultant:

ENGINEER CERTIFICATION
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Date: July 2, 2019 Lic. No. 11311
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ARCHITECT CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of Minnesota.
Date: July 2, 2019 Lic. No. 58867
This drawing is conditionally issued and reproductions or use of any technical design information is strictly forbidden without written agreement from the responsible Architect.

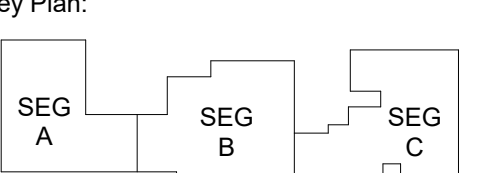
Project Title: LANESBORO PUBLIC SCHOOLS ADDITION & REMODEL
Project Location: 204 KIRKWOOD ST EAST LANESBORO, MN 55949
Sheet Title: EXTERIOR FRAME ELEVATIONS

HSR Project Number: 18063

Project Date: 7-25-19

Drawn By: SRW

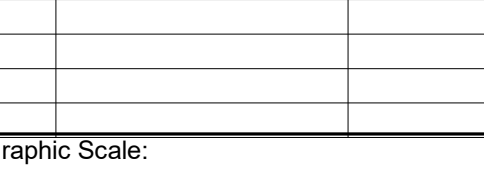
Key Plan:



KEY PLAN

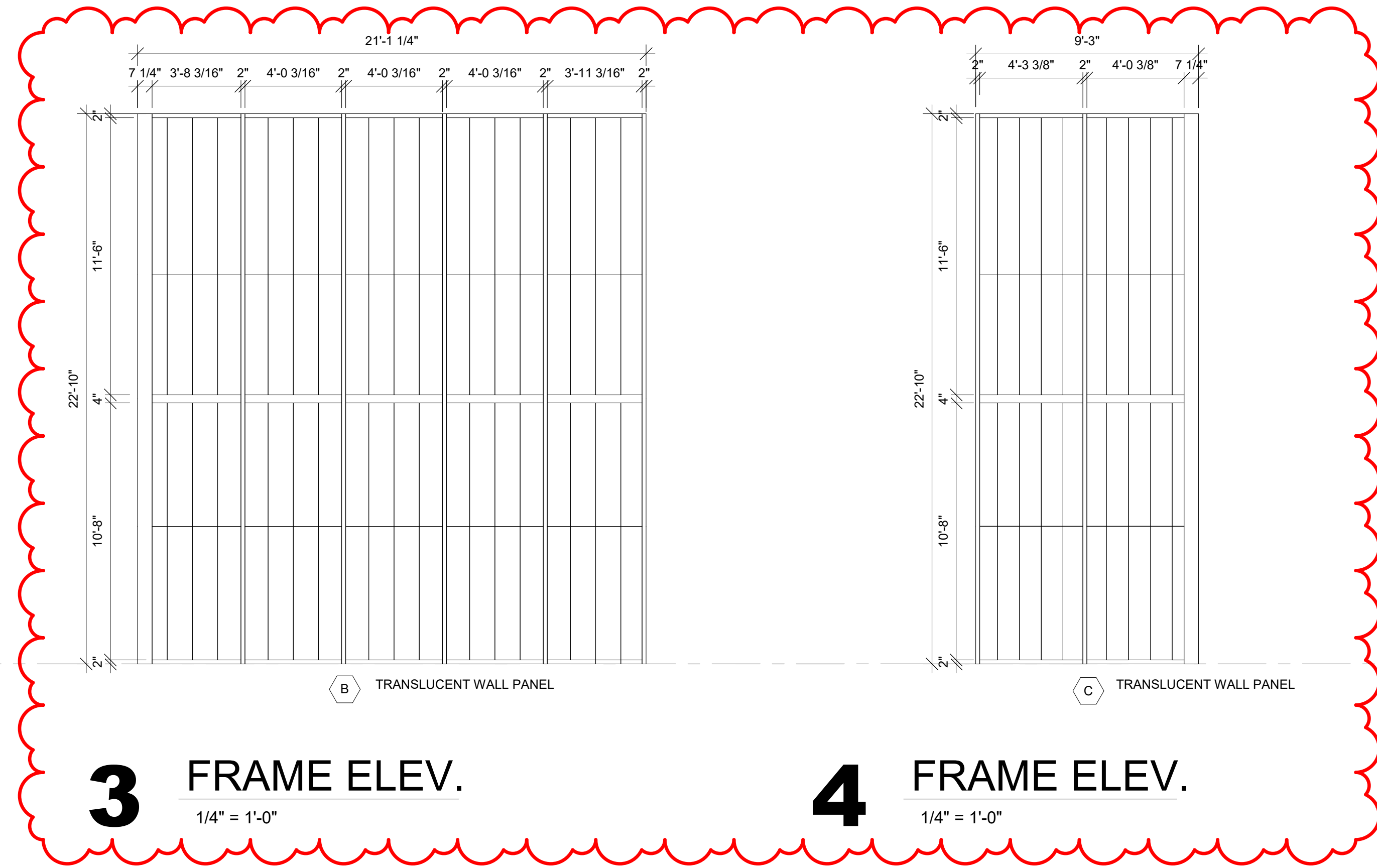
No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:



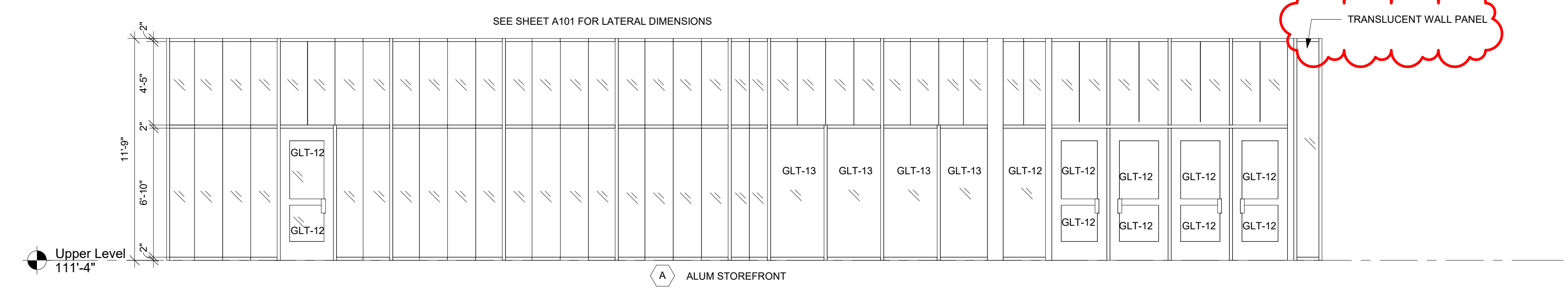
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A602

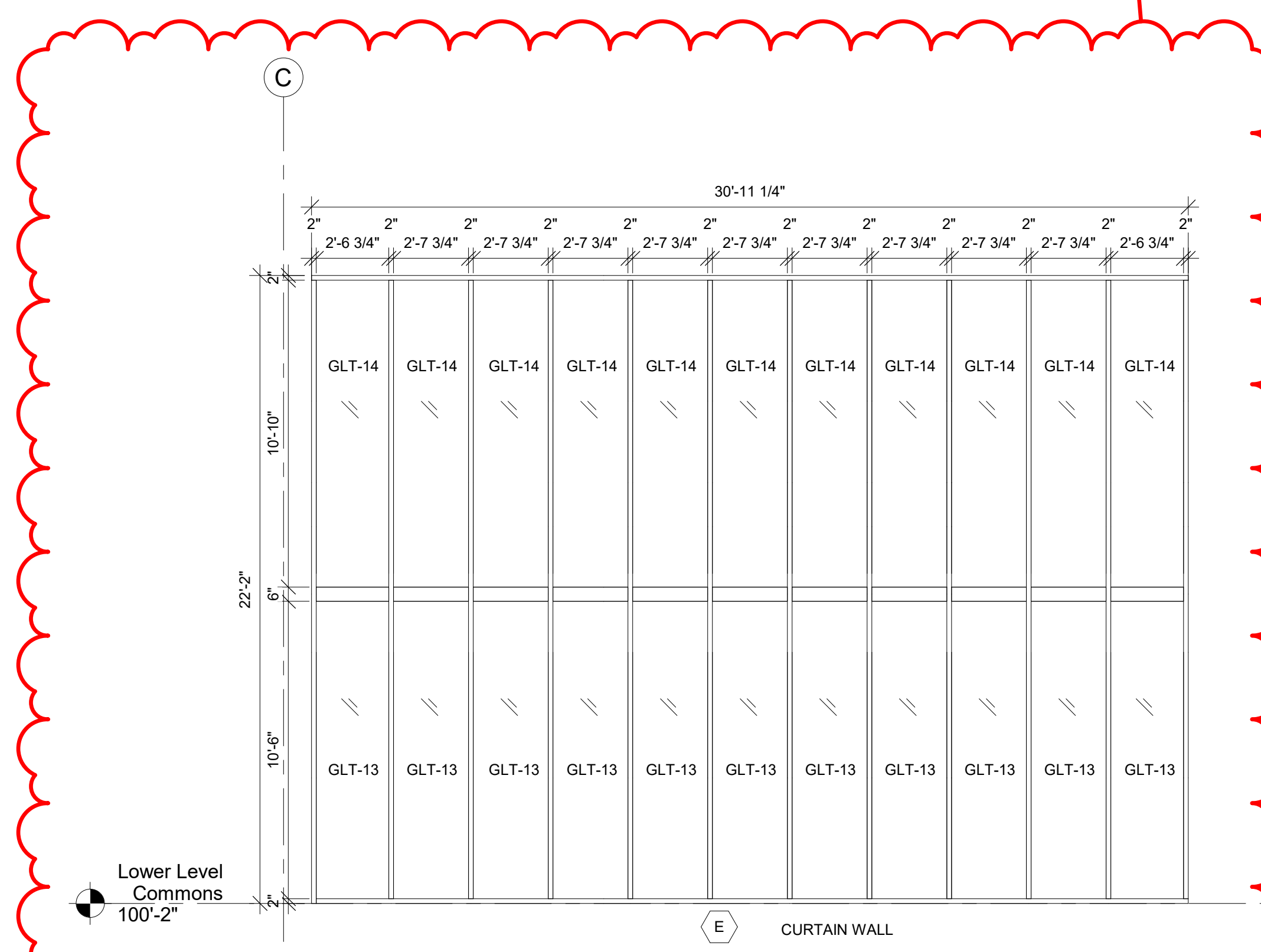


3 FRAME ELEV.
1/4" = 1'-0"

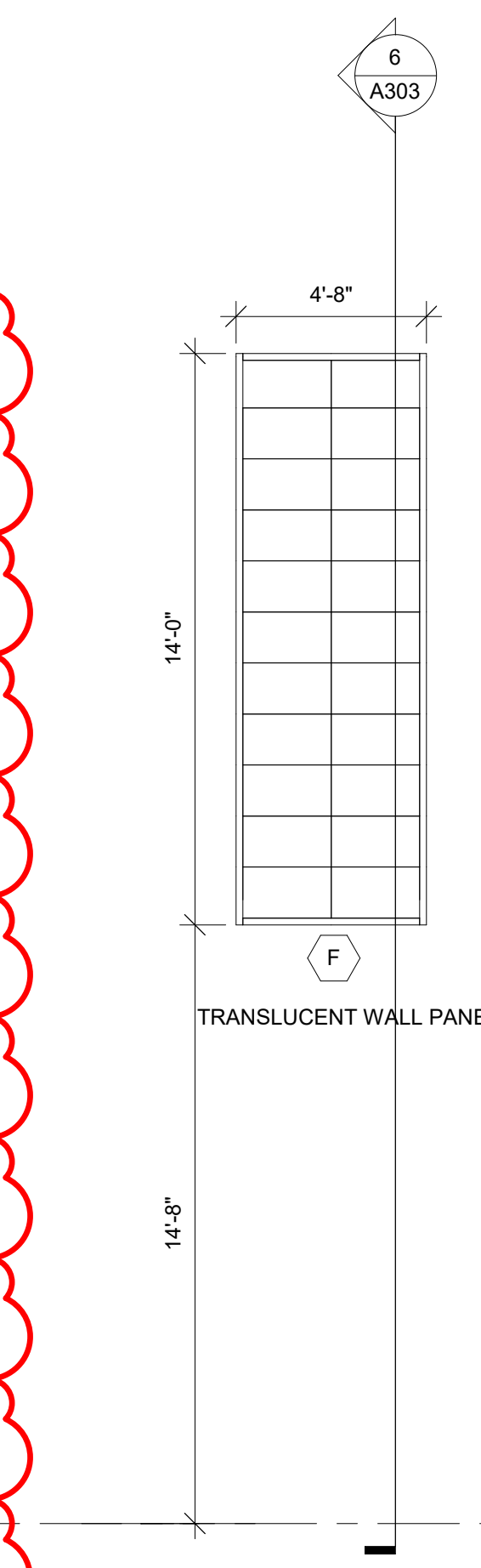
4 FRAME ELEV.
1/4" = 1'-0"



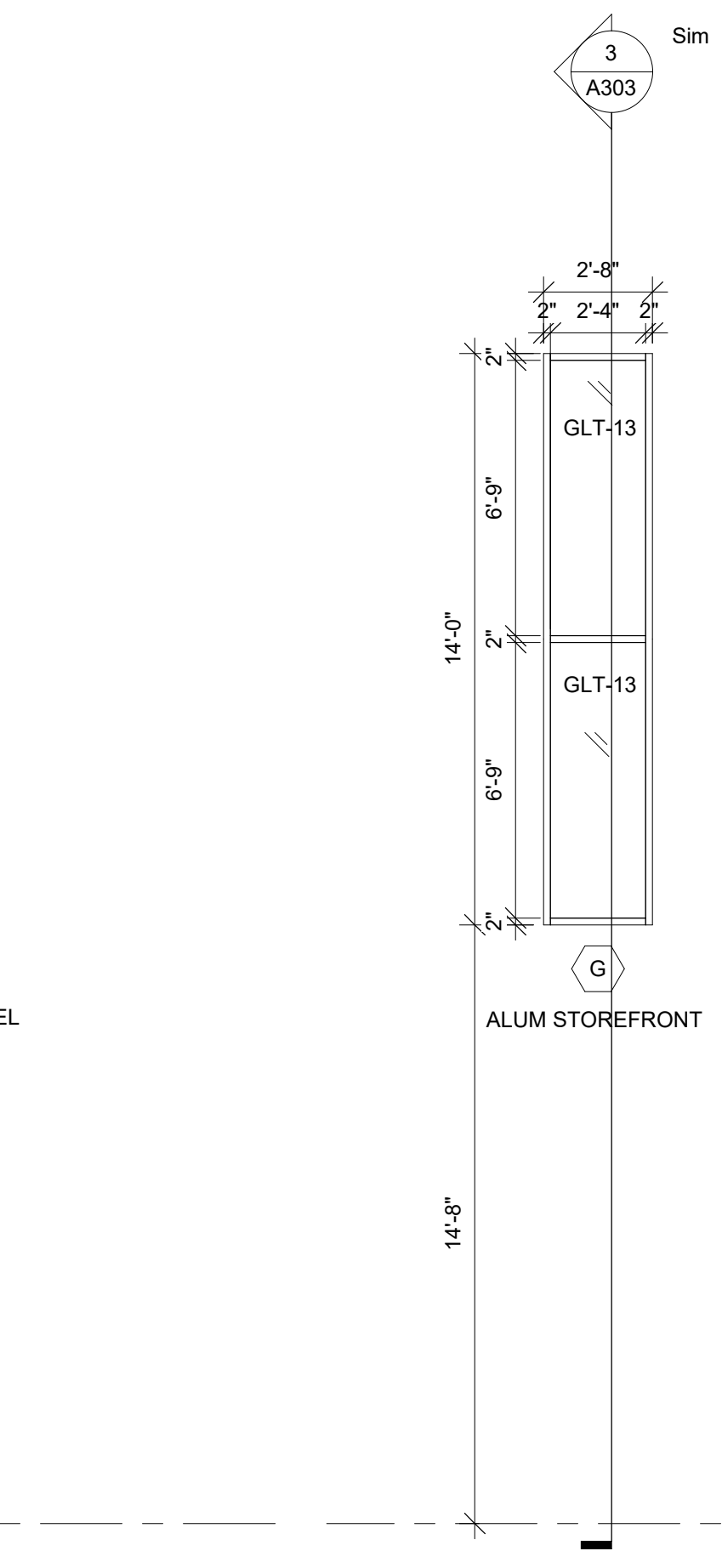
1 FRAME ELEV.
1/4" = 1'-0"



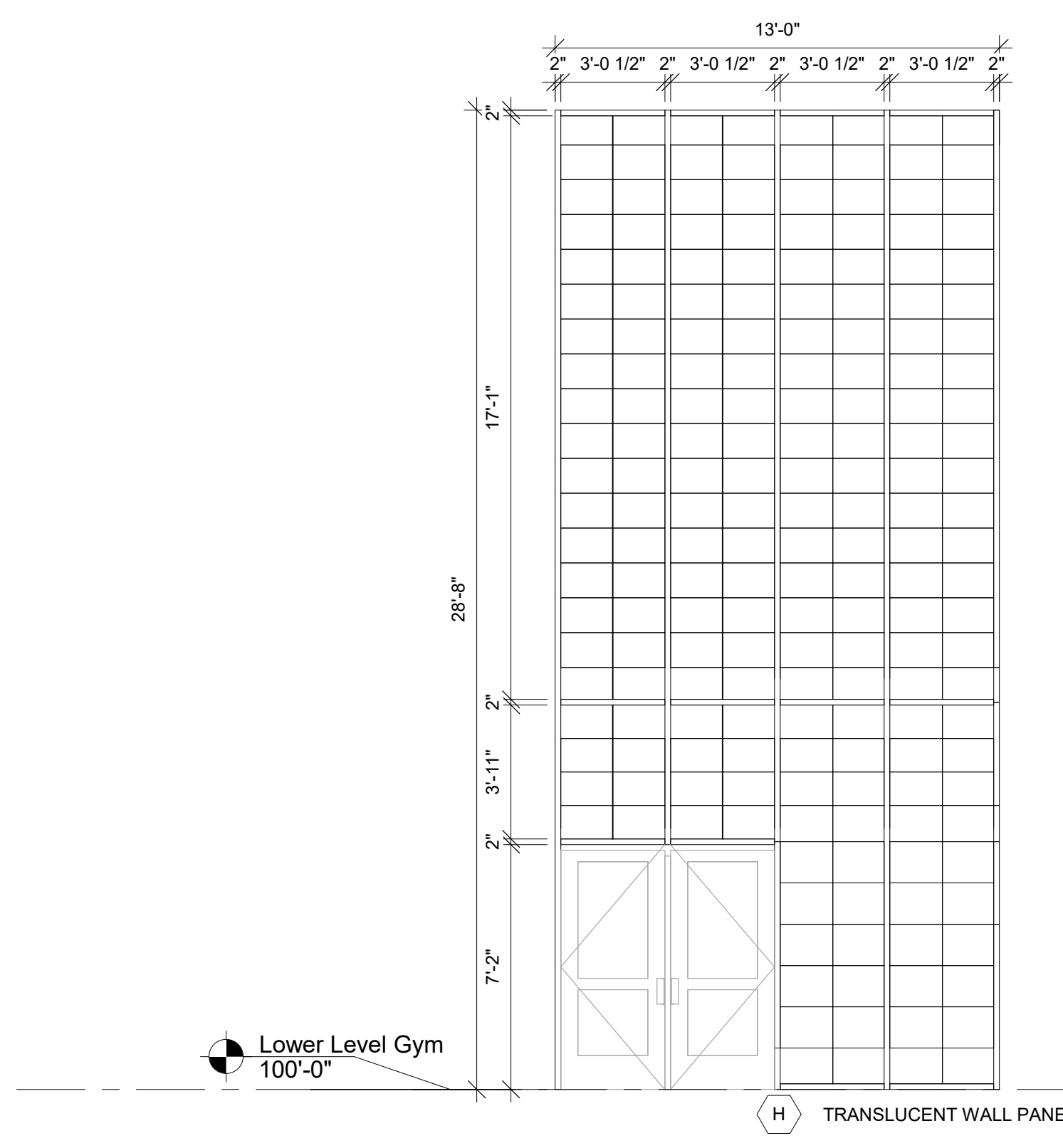
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1/4" = 1'-0"



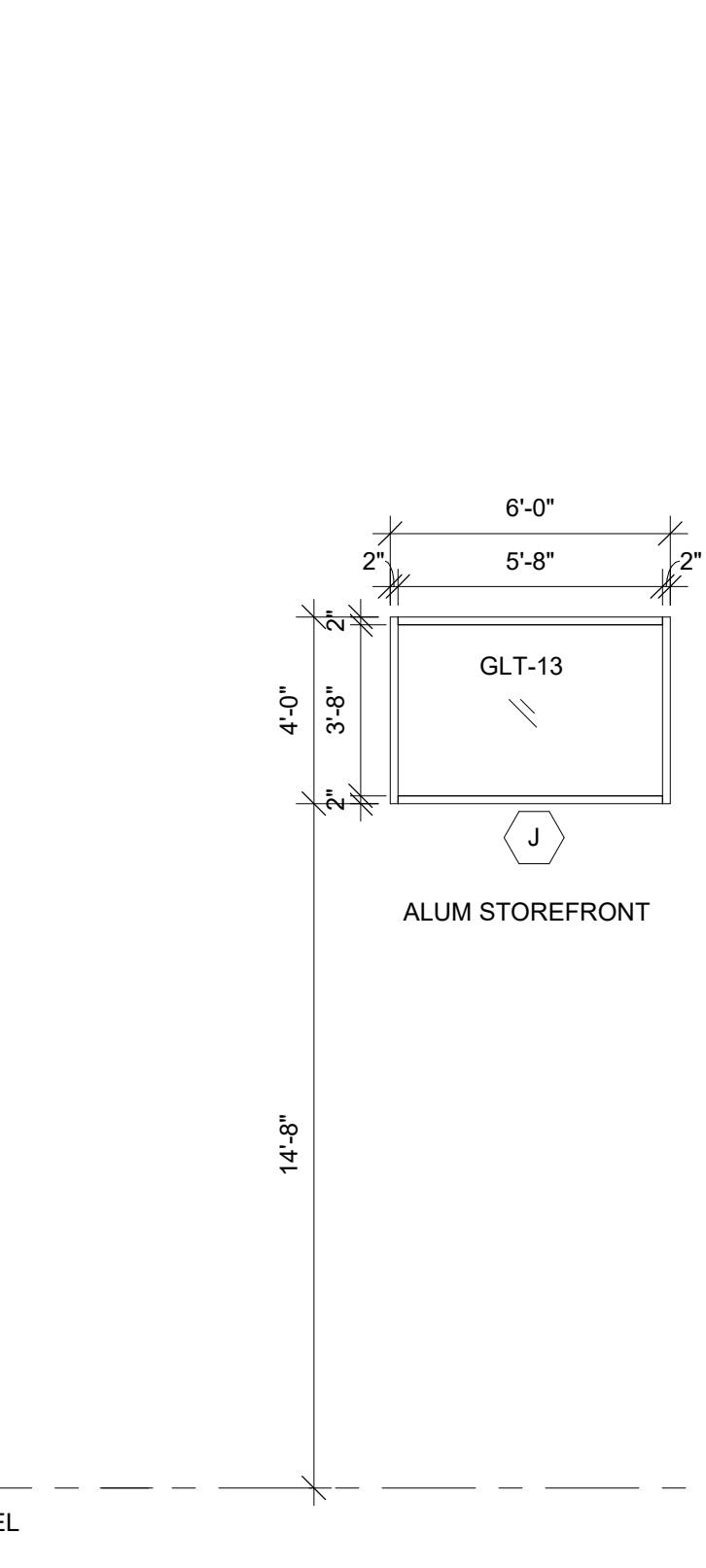
6 FRAME ELEV.
1/4" = 1'-0"



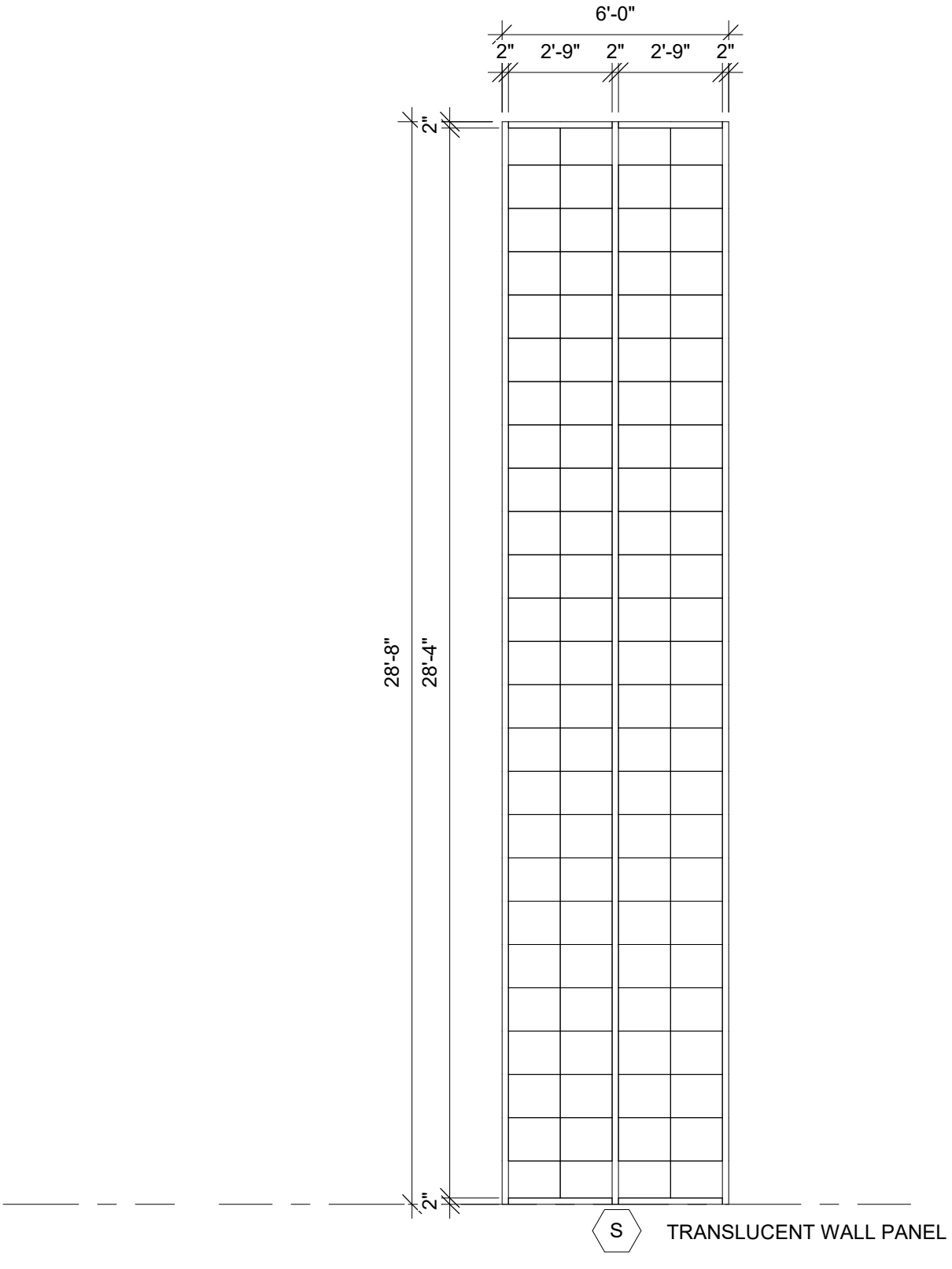
7 FRAME ELEV.
1/4" = 1'-0"



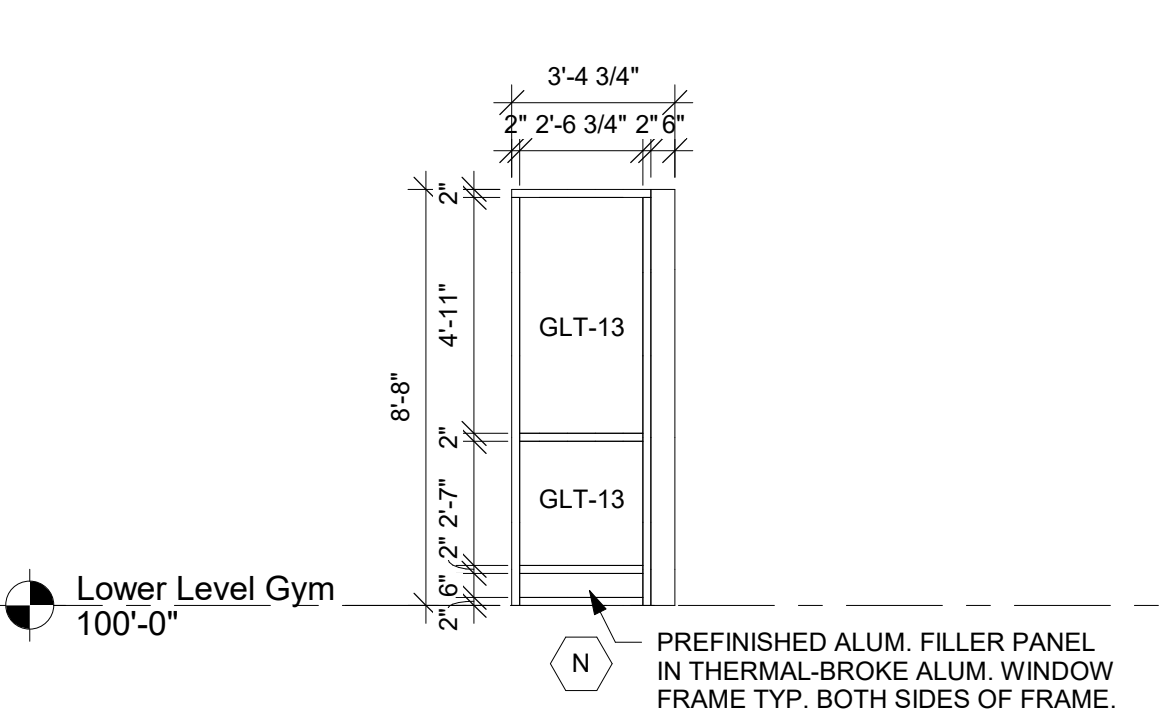
8 FRAME ELEV.
1/4" = 1'-0"



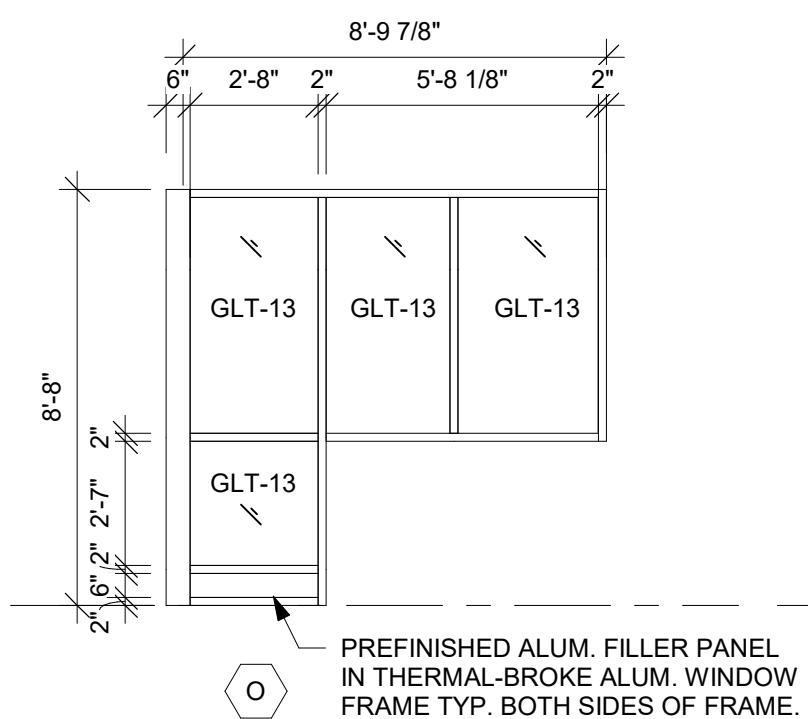
9 FRAME ELEV.
1/4" = 1'-0"



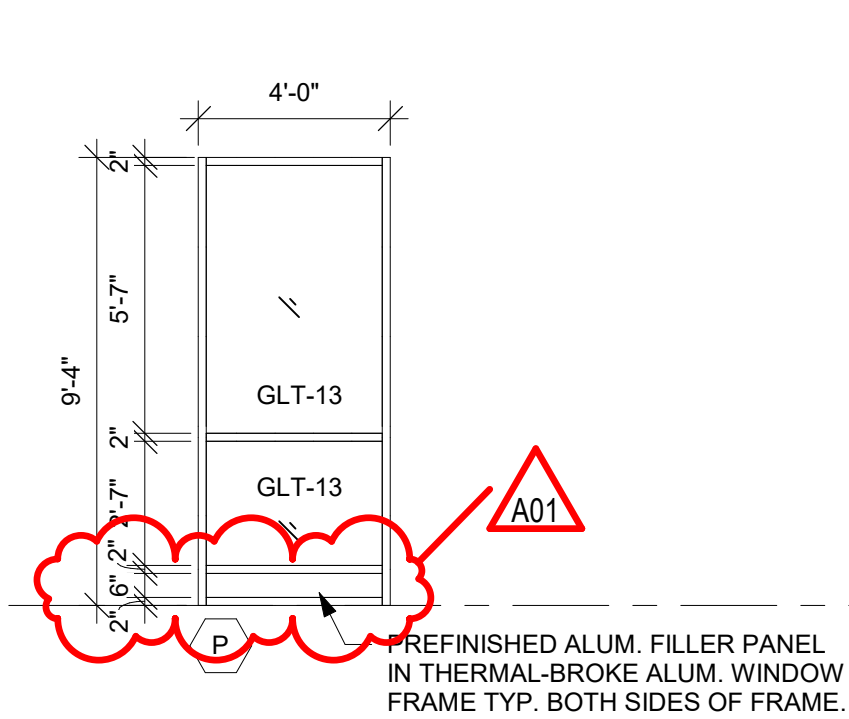
11 FRAME ELEV.
1/4" = 1'-0"



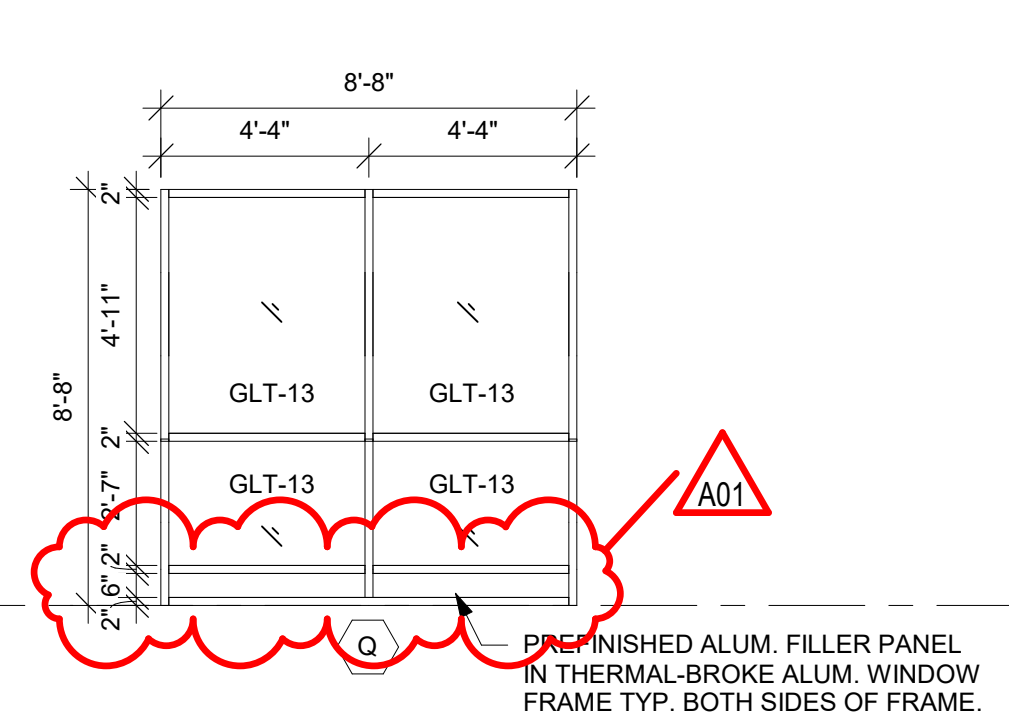
10 ALUM FRAME ELEV.
1/4" = 1'-0"



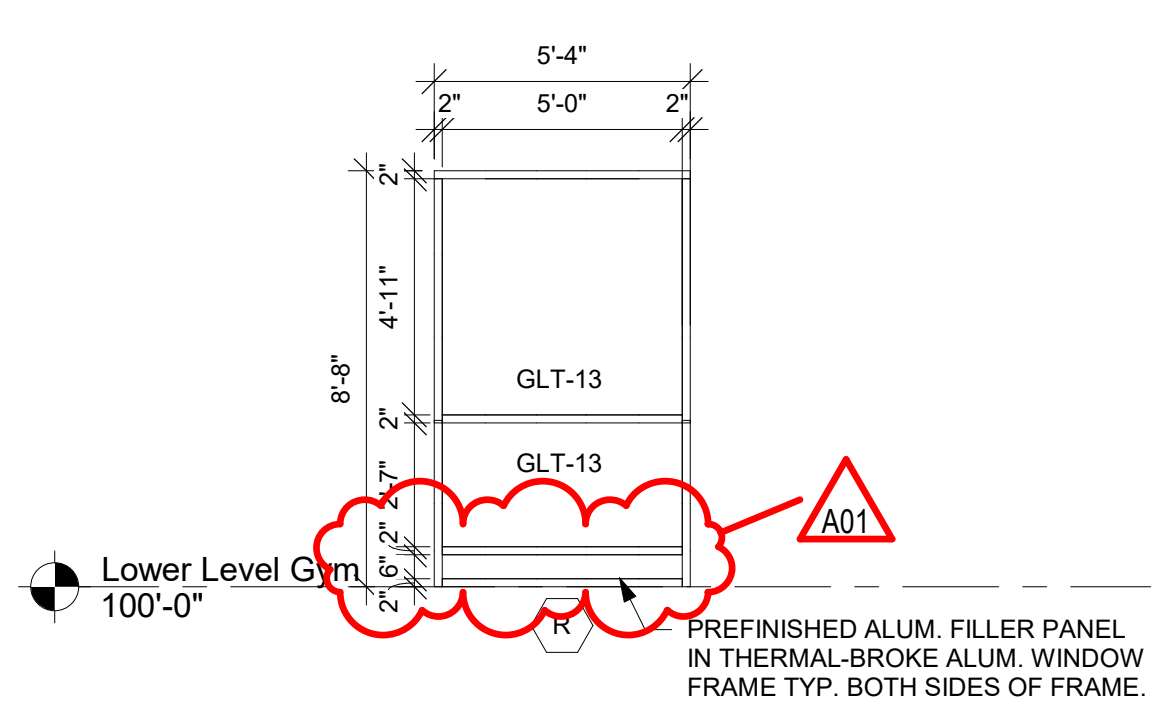
14 ALUM FRAME ELEV.
1/4" = 1'-0"



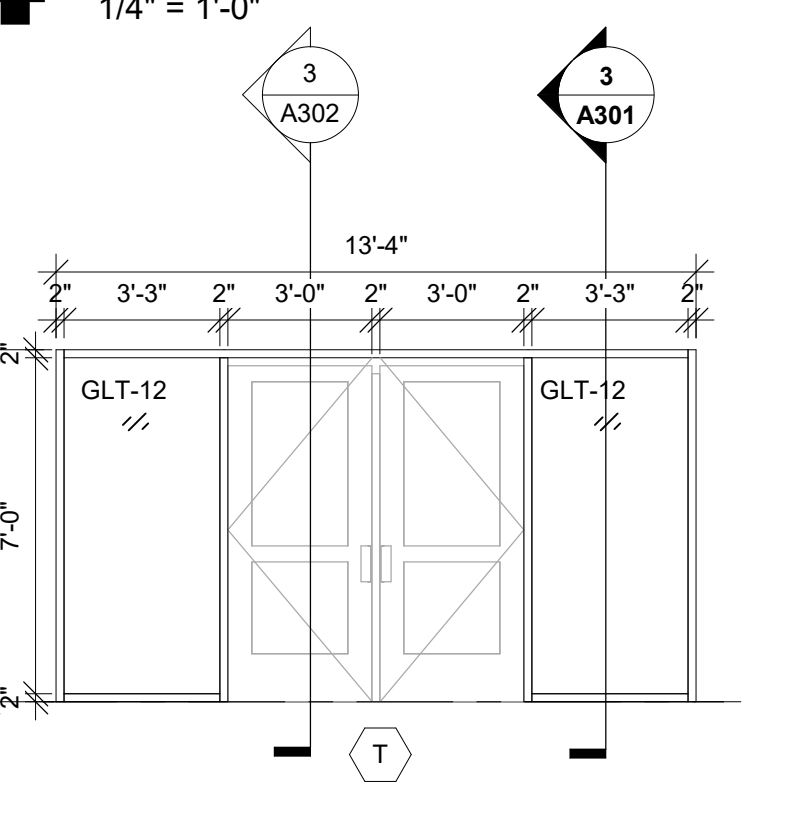
15 ALUM FRAME ELEV.
1/4" = 1'-0"



16 ALUM FRAME ELEV.
1/4" = 1'-0"



17 ALUM FRAME ELEV.
1/4" = 1'-0"



18 ALUM FRAME ELEV.
1/4" = 1'-0"

ALUMINUM FRAMES
1. GLT-X INDICATES GLASS TYPES - SEE SPEC.
2. UNLESS NOTED OTHERWISE ALL FRAMES SHOWN ON THIS SHEET SHALL BE 6" ALUMINUM STOREFRONT.
3. FIELD VERIFY ALL FRAME OPENINGS.
4. FOR GLASS TYPE IN DOORS SEE DOOR SCHEDULE.



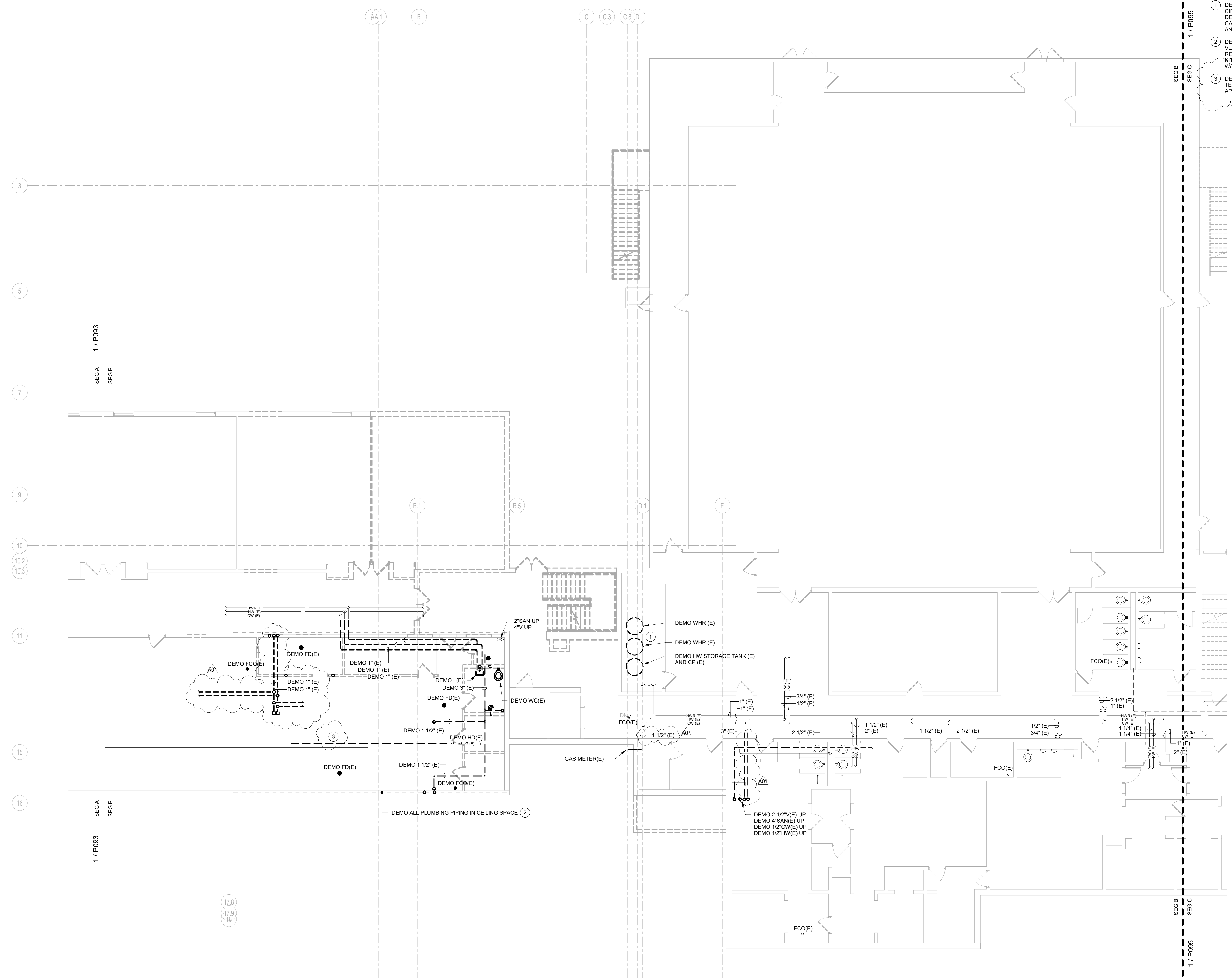
HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrasociates.com

Consultant:
JDR
ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
PH: 608.277.1728 FAX: 608.271.7016
JDR PROJECT NO. 19.0052

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer and member in good standing of the Wisconsin Society of Professional Engineers.
Robert C. Stone
Robert C. Stone
Date: July 5, 2019 Lic. No.: 42791
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GENERAL NOTES:
1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE AE PRIOR TO COMMENCING WORK OR ORDERING MATERIALS.

- KEYED NOTES:**
- DEMOLISH EXISTING WATER HEATERS, STORAGE TANK, CIRCULATION PUMP AND ACCESSORIES COMPLETE. DEMOLISH PIPING SERVING EQUIPMENT AND TEMPORARILY CAP IN CEILING. REFER TO P104 FOR NEW CONNECTIONS AND NEW EQUIPMENT LAYOUT.
 - DEMOLISH EXISTING WATER, SANITARY, LAB WASTE, AND VENT PIPING SERVING KITCHEN AND CHEMISTRY LAB ABOVE. REFER TO P400 FOR NEW PIPING CONNECTIONS AND NEW KITCHEN LAYOUT. COORDINATE EXISTING FLOOR REMOVAL WITH GC. CAP AT ACTIVE MAIN.
 - DEMOLISH EXISTING GAS PIPING TO THE EXTENT SHOWN. TEMPORARILY CAP FOR EXTENSION TO NEW EQUIPMENT AND APPLIANCES. SEE NEW WORK PLANS.

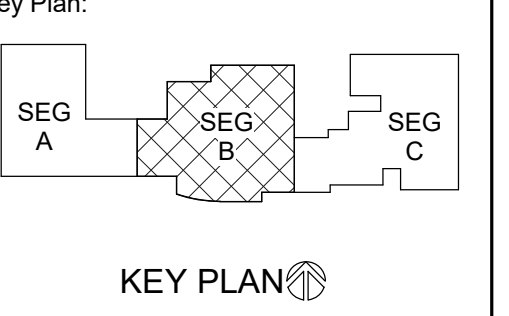


1 LOWER LEVEL DEMO - SEG B - PLUMBING
SCALE: 1/8" = 1'-0"
NORTH

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: LOWER LEVEL DEMO - SEG B - PLUMBING

Project Number: 18063
Project Date: 7-25-19
Drawn By: JDR

Key Plan:
SEG A, SEG B, SEG C



Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: 0' 2' 4' 8' 12'
Last Update: 8/13/2019 3:57:44 PM

P094

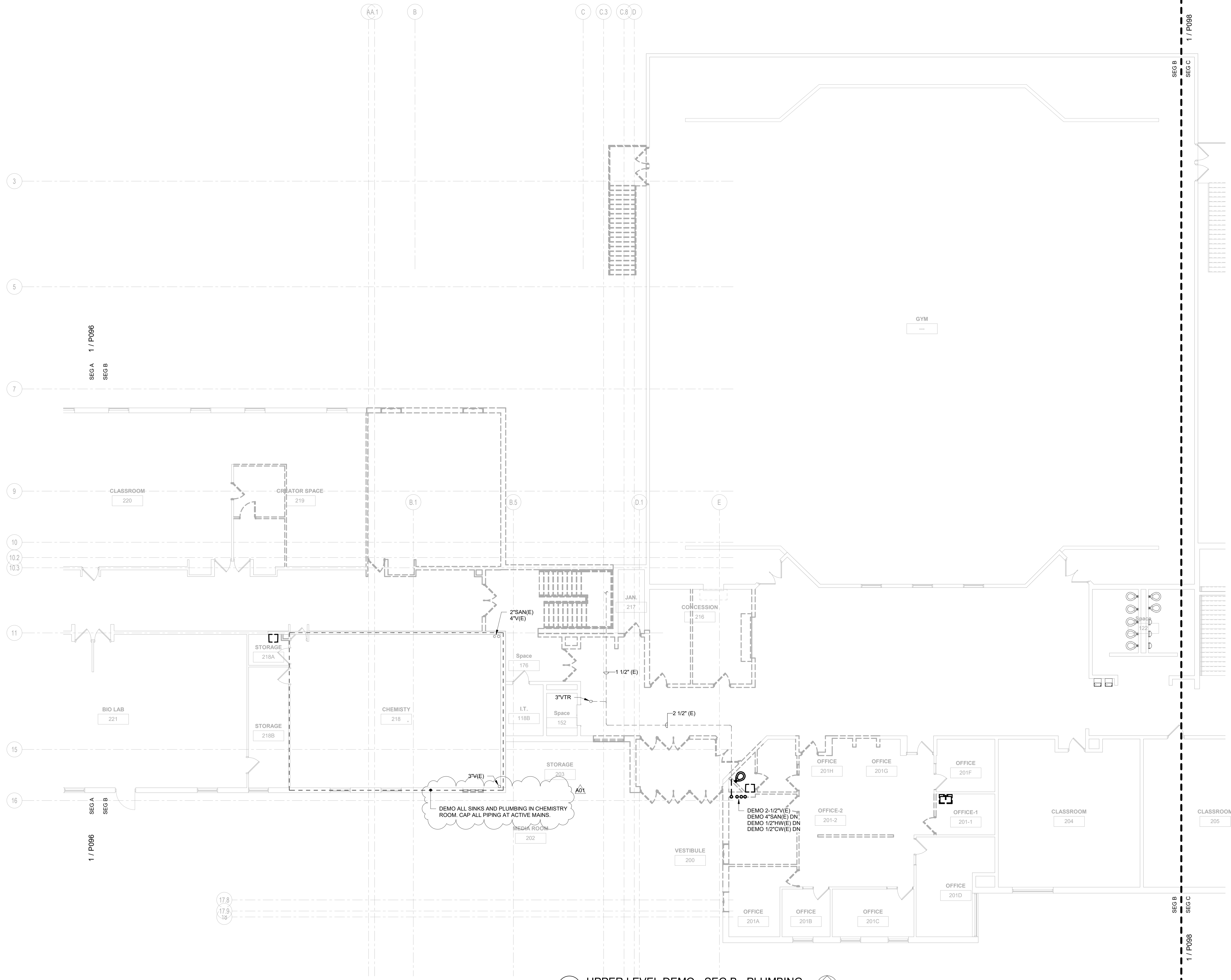


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JDR PROJECT NO. 19.0052

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1 UPPER LEVEL DEMO - SEG B - PLUMBING
SCALE: 1/8" = 1'-0"



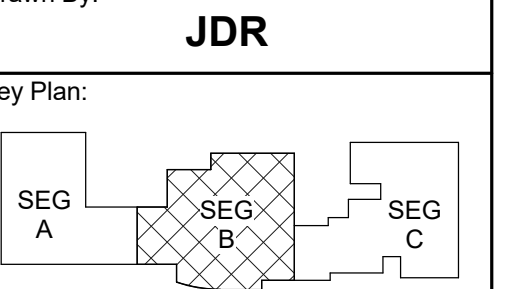
Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: UPPER LEVEL DEMO - SEG B - PLUMBING

HSR Project Number: 18063

Project Date: 7-25-19

Drawn By: JDR

Key Plan:



KEY PLAN

Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:
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Last Update: 8/13/2019 4:00:24 PM

P097

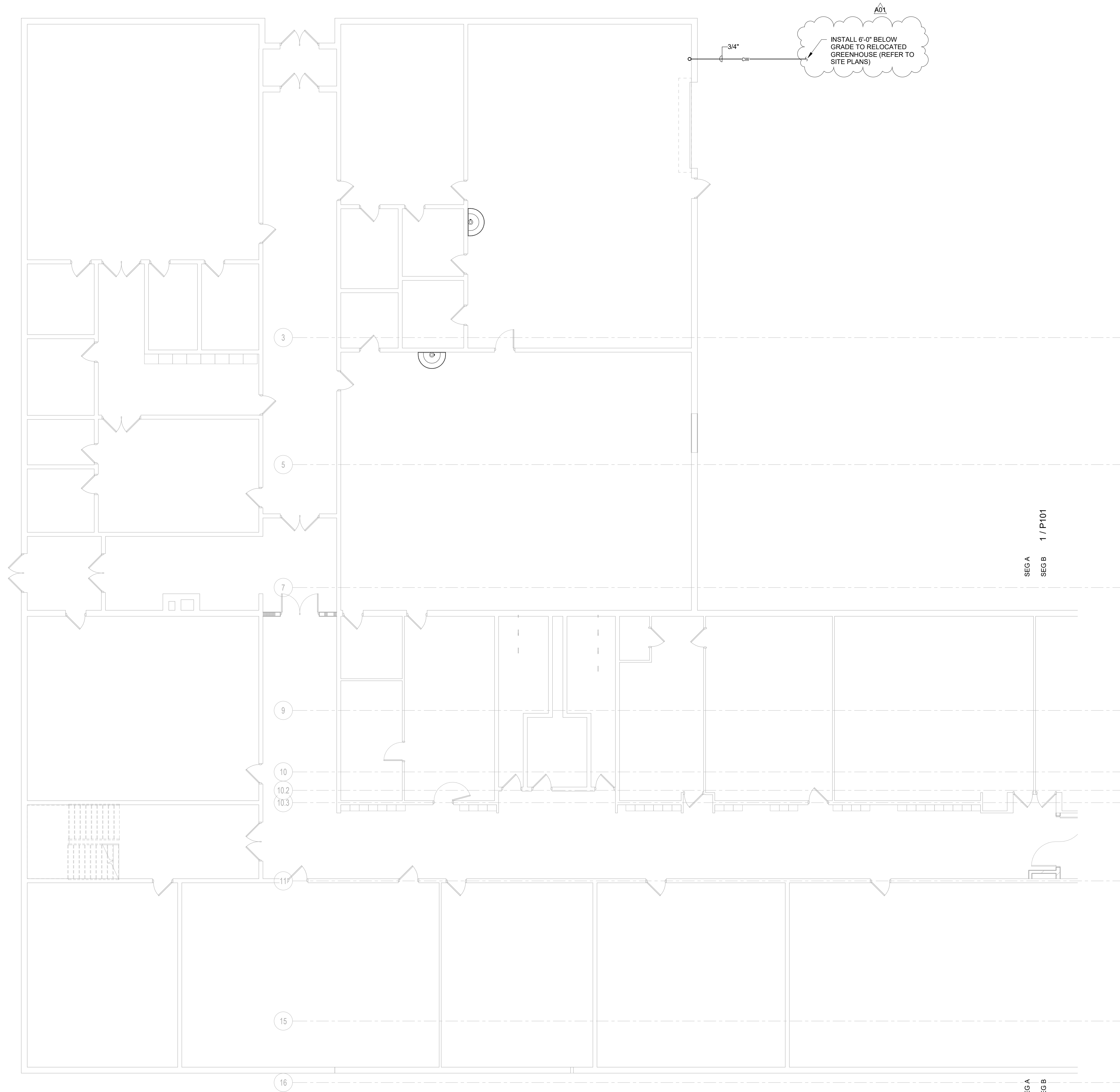


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JDR PROJECT NO. 19.0052

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Robert C. Stone
Robert C. Stone
Date: July 5, 2019 Lic. No.: 42791
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GENERAL NOTES:
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1 UNDERFLOOR - SEG A - PLUMBING
SCALE: 1/8" = 1'-0"



LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL

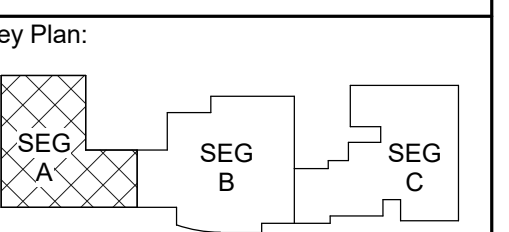
204 KIRKWOOD ST EAST
LANESBORO, MN 55949

UNDERFLOOR - SEG A - PLUMBING

HSR Project Number: **18063**

Project Date: **7-25-19**

Drawn By: **JDR**



KEY PLAN

Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: **VARIES**

Last Update: **8/13/2019 3:57:47 PM**

P100

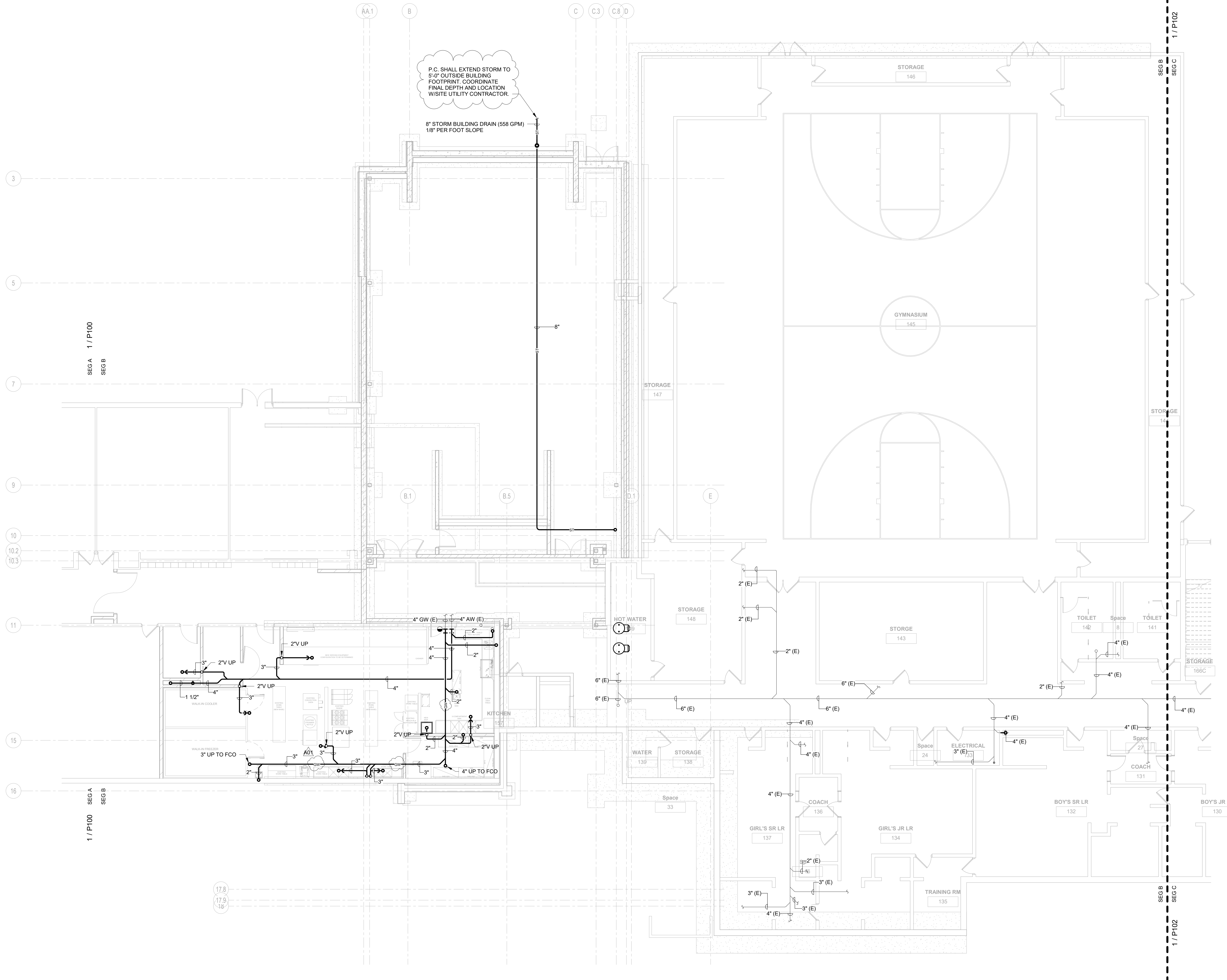


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1 UNDERFLOOR - SEG B - PLUMBING
SCALE: 1/8" = 1'-0"
NORTH

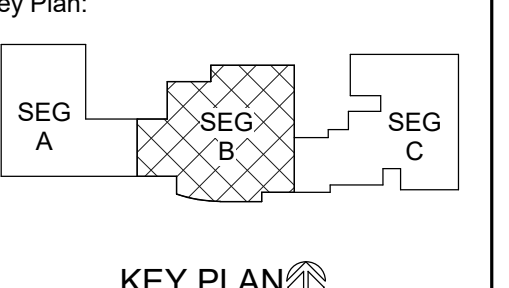
LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
204 KIRKWOOD ST EAST
LANESBORO, MN 55949
UNDERFLOOR - SEG B - PLUMBING

Project Title: HSR Project Number: **18063**

Project Date: **7-25-19**

Drawn By: **JDR**

Key Plan:



KEY PLAN

Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: **VARIES**

Last Update: **8/13/2019 3:59:50 PM**

P101

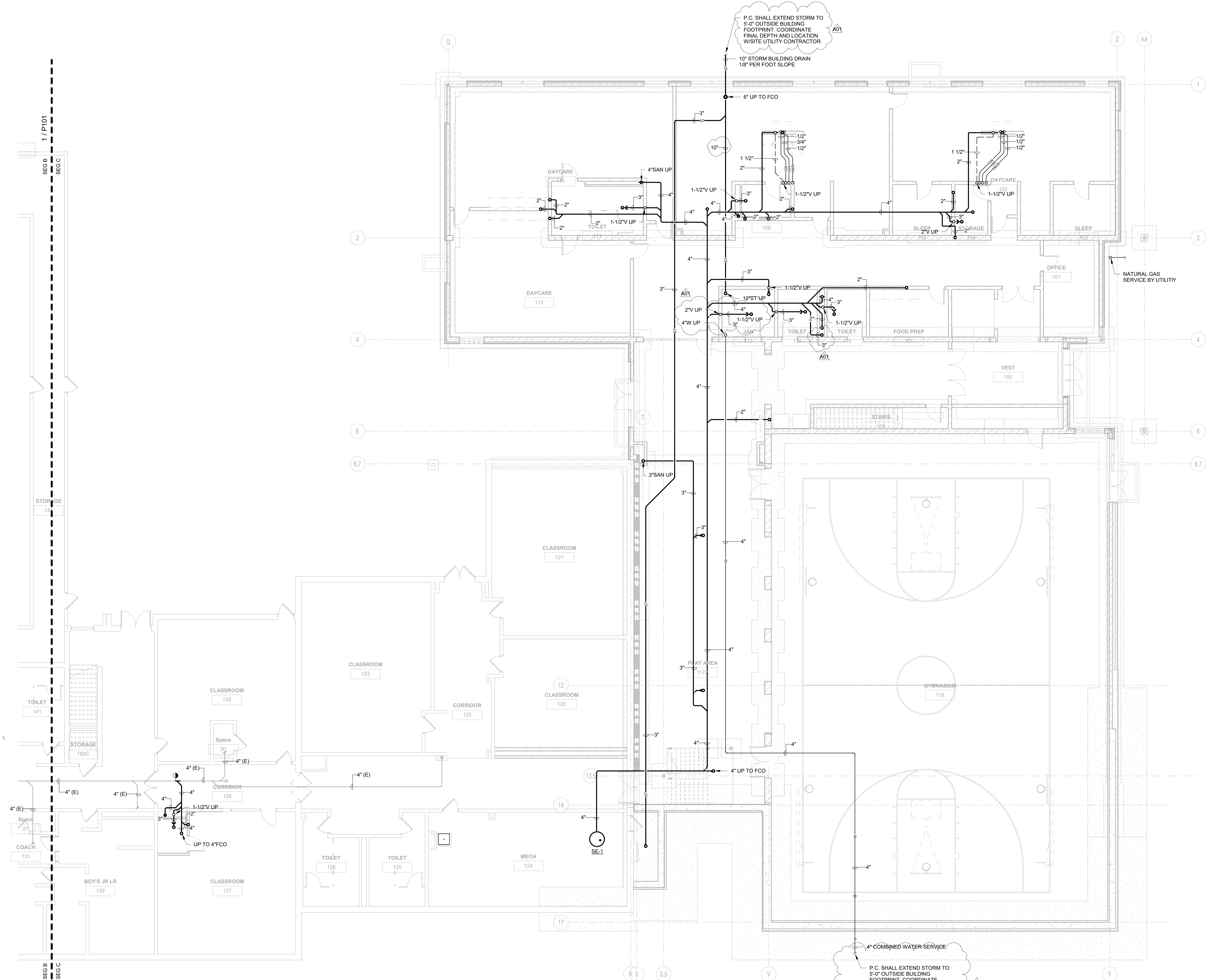


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MADISON, WI 53711
PH: 608.277.1728 FAX: 608.271.7016
JDR PROJECT NO. 19.0052

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Robert C. Stone
Robert C. Stone
Date: July 5, 2019 License No. 42791
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1 UNDERFLOOR - SEG C - PLUMBING
SCALE: 1/8" = 1'-0"
NORTH

**LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL**
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: UNDERFLOOR - SEG C - PLUMBING

HSR Project Number:	18063
Project Date:	7-25-19
Drawn By:	JDR
Key Plan:	

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: VARIES
Last Update: 8/13/2019 3:57:51 PM

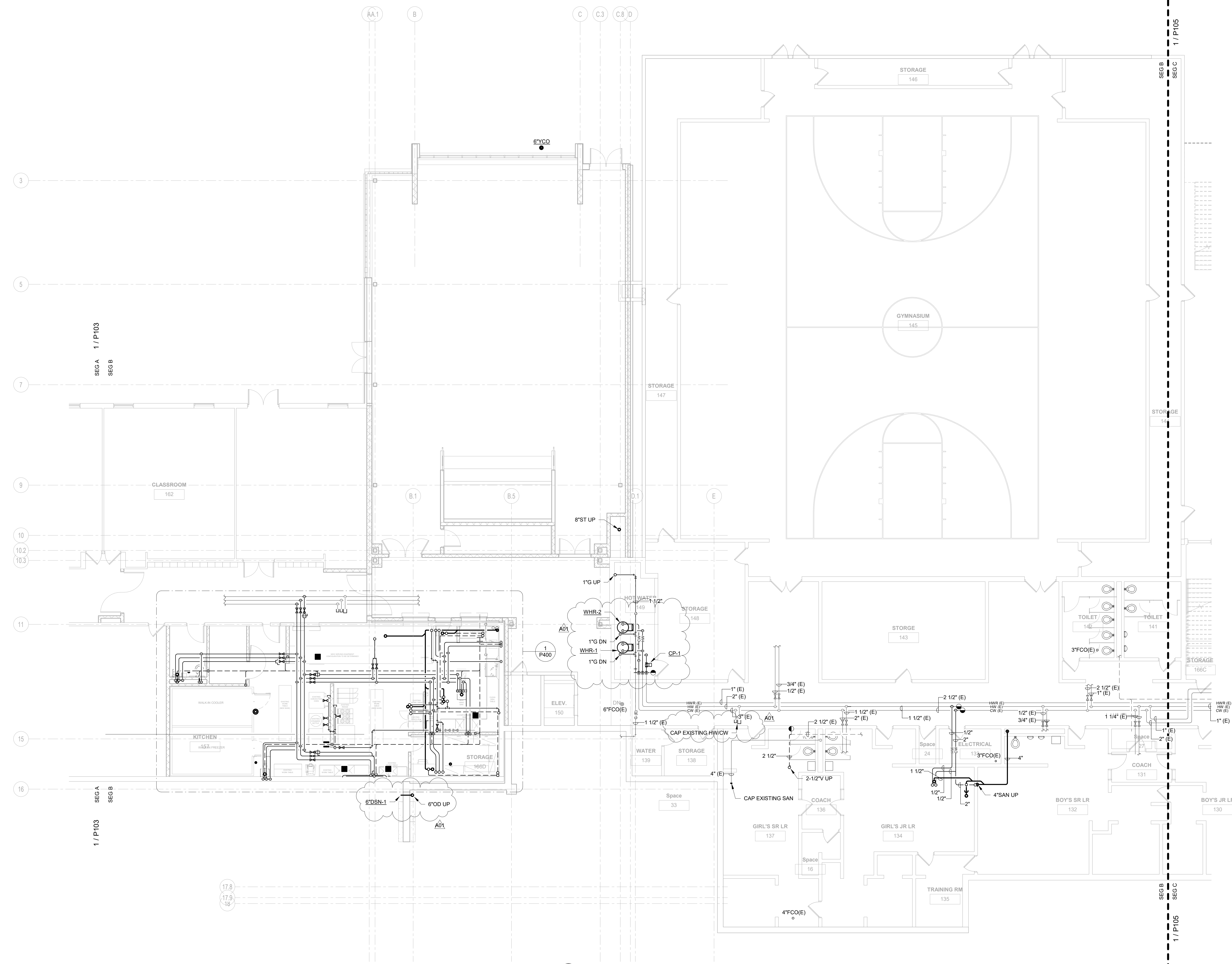


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Consultant:
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MADISON, WI 53711
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JDR PROJECT NO. 19.0052

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Robert C. Stone
Robert C. Stone
Date: July 5, 2019 Lic. No.: 42791
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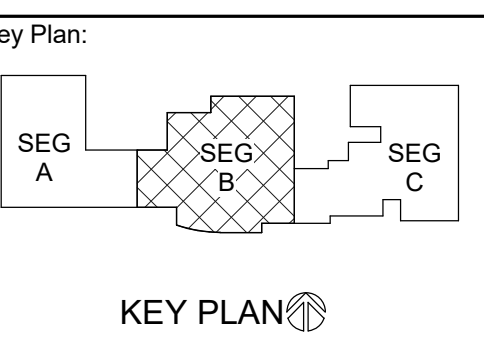
1 P104 LOWER LEVEL - SEG B - PLUMBING
SCALE: 1/8" = 1'-0"
NORTH

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
204 KIRKWOOD ST EAST
LANESBORO, MN 55949
LOWER LEVEL - SEG B - PLUMBING

HSR Project Number: **18063**

Project Date: **7-25-19**

Drawn By: **JDR**



Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: **VARIES**

Last Update: **8/13/2019 3:59:54 PM**

P104

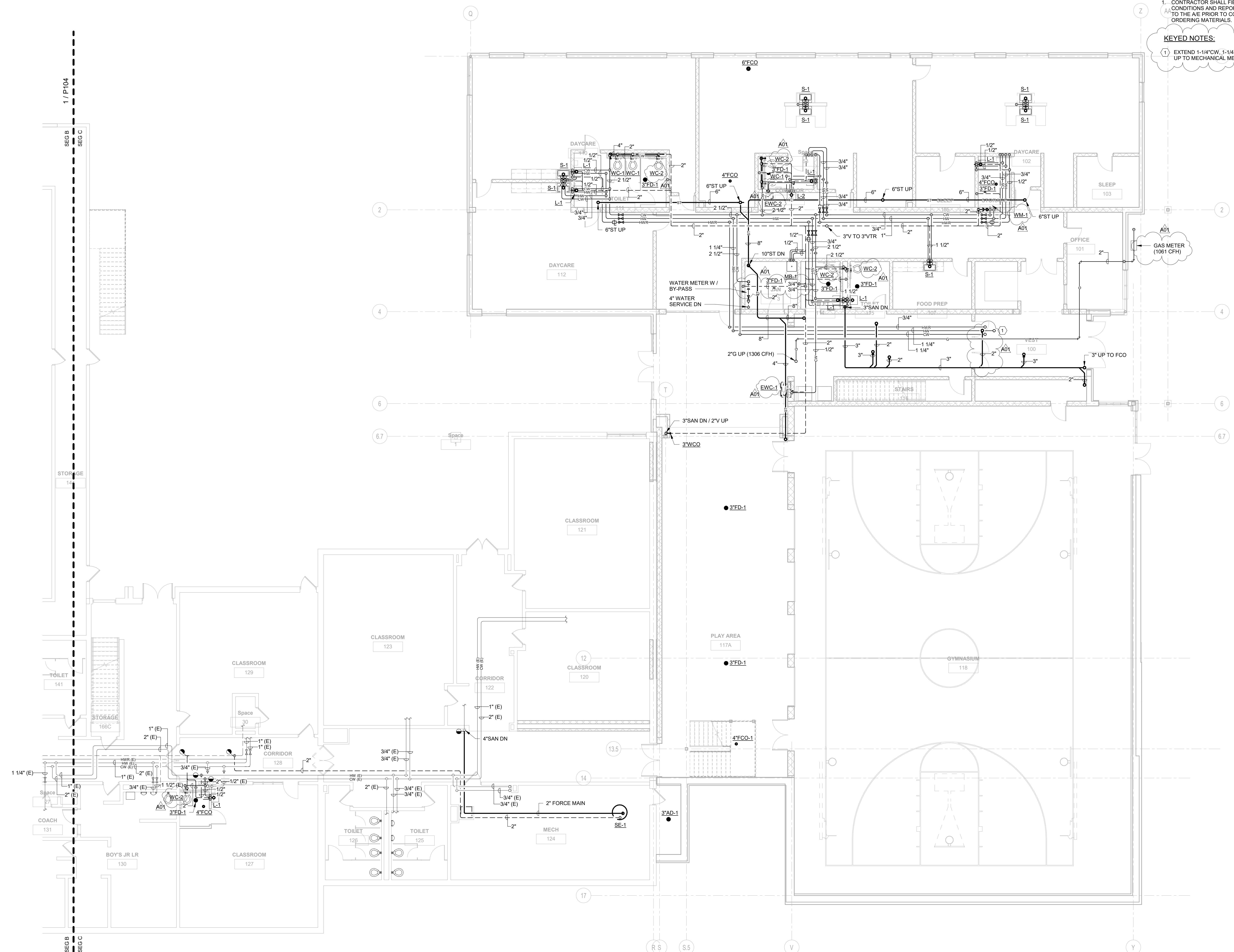


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JDR PROJECT NO. 19.0052

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Robert C. Stone
Robert C. Stone
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- GENERAL NOTES:**
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE A/E PRIOR TO COMMENCING WORK OR ORDERING MATERIALS.
- KEYED NOTES:**
- EXTEND 1-1/4" CW, 1-1/4" HW, AND 3/4" HW UP TO MECHANICAL MEZZANINE ABOVE.



1 LOWER LEVEL - SEG C - PLUMBING
P105 SCALE: 1/8" = 1'-0"
NORTH

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: **LOWER LEVEL - SEG C - PLUMBING**

Project Number: 18063
Project Date: 7-25-19
Drawn By: JDR
Key Plan:

KEY PLAN

Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: 0' 2' 4' 8' 12'
Last Update: 8/13/2019 3:59:59 PM

P105



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JDR PROJECT NO. 19.0052

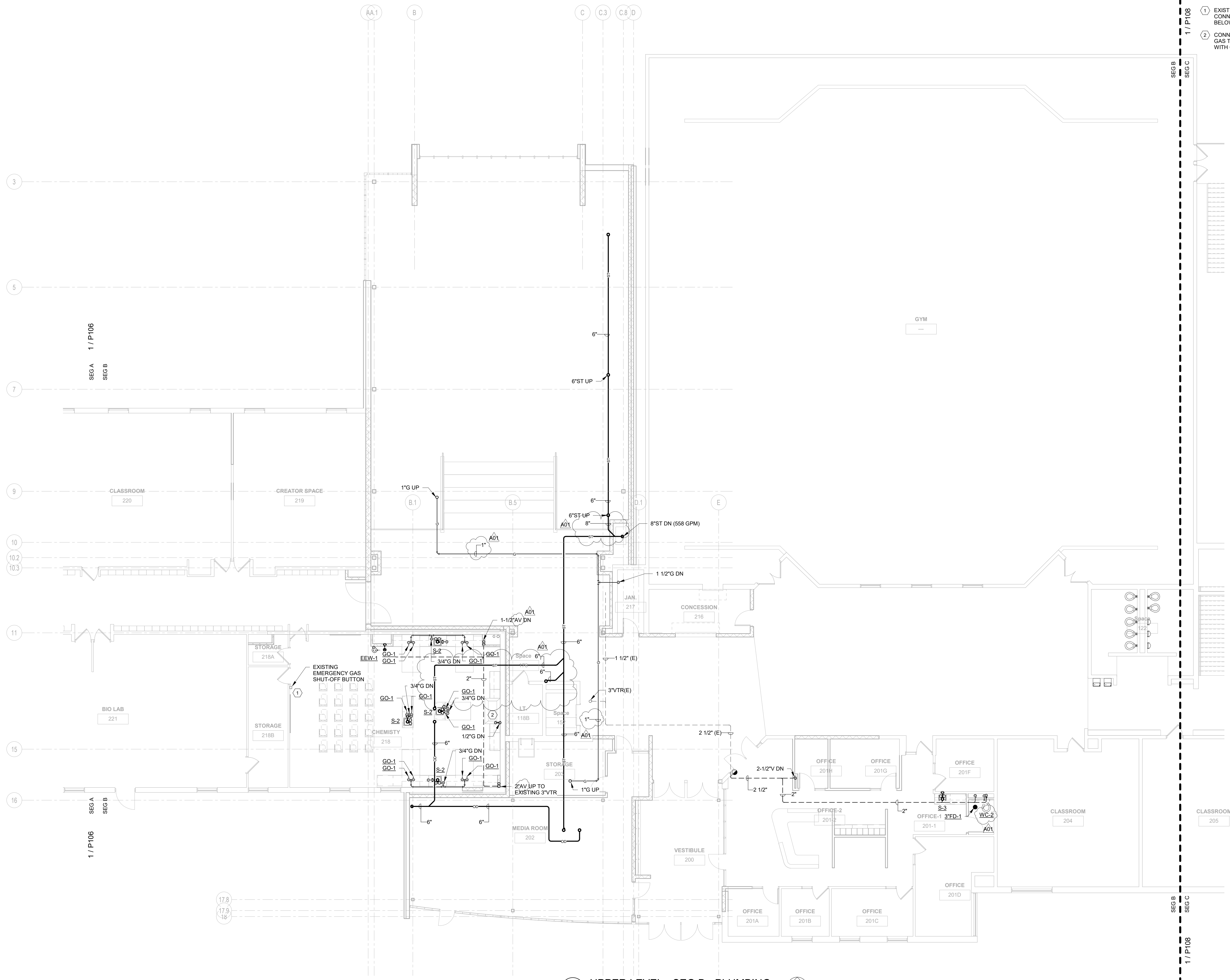
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GENERAL NOTES:

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KEYED NOTES:

- EXISTING EMERGENCY GAS SHUT-OFF BUTTON TO REMAIN CONNECTED TO EXISTING SOLENOID VALVE IN CEILING BELOW.
- CONNECT LAB WASTE, LAB VENT, P-TRAP, COLD WATER, AND GAS TO FUME HOOD. COORDINATE EXACT CONNECTIONS WITH GC.



1 UPPER LEVEL - SEG B - PLUMBING
SCALE: 1/8" = 1'-0"

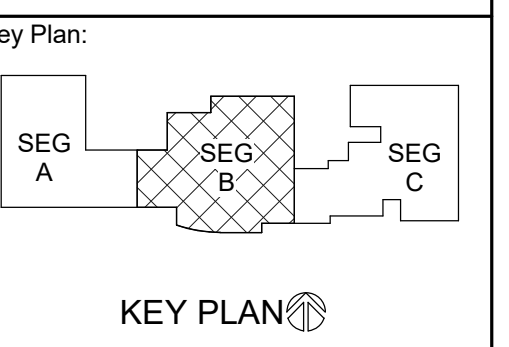


LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
204 KIRKWOOD ST EAST
LANESBORO, MN 55949
UPPER LEVEL - SEG B - PLUMBING

HSR Project Number: **18063**

Project Date: **7-25-19**

Drawn By: **JDR**



Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: **VARIES**

Last Update: **8/13/2019 4:00:07 PM**

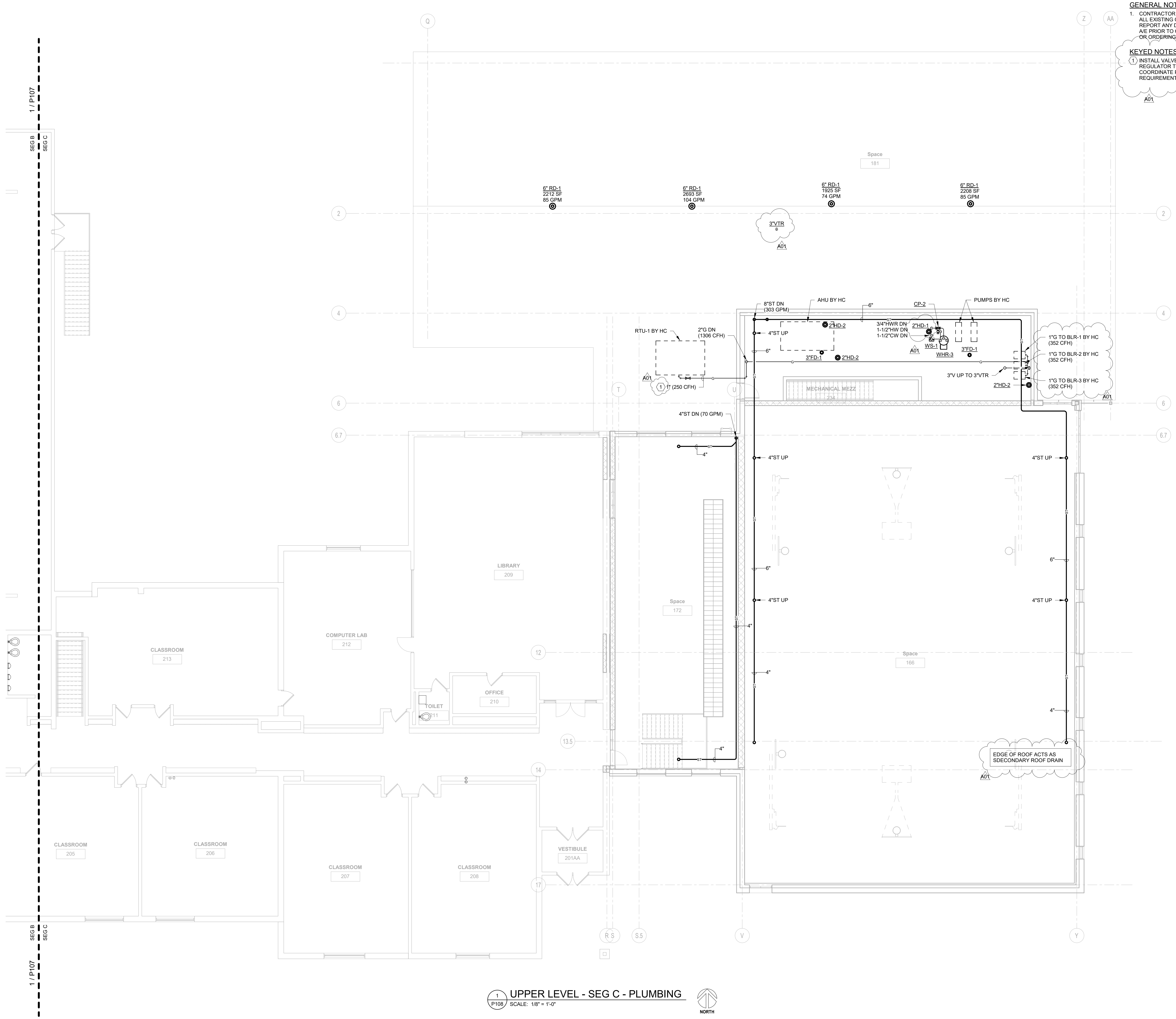
P107



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JDR PROJECT NO. 19.0052

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Robert C. Stone
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Date: July 5, 2019 Lic. No.: 42791
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GENERAL NOTES:
1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE A/E PRIOR TO COMMENCING WORK OR ORDERING MATERIALS.

KEYED NOTES:
① INSTALL VALVE, DIRTLEG AND GAS REGULATOR TO HVAC EQUIPMENT. COORDINATE PRESSURE REQUIREMENTS WITH H.C.

① UPPER LEVEL - SEG C - PLUMBING
SCALE: 1/8" = 1'-0"



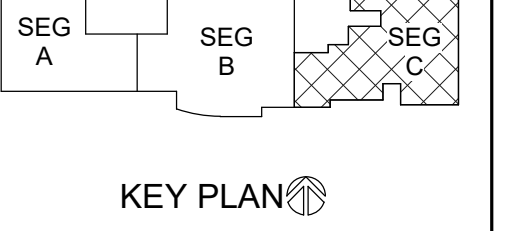
LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
204 KIRKWOOD ST EAST
LANESBORO, MN 55949
UPPER LEVEL - SEG C - PLUMBING

Project Number: 18063

Project Date: 7-25-19

Drawn By: JDR

Key Plan:



Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:
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Last Update: 8/13/2019 4:00:10 PM

P108

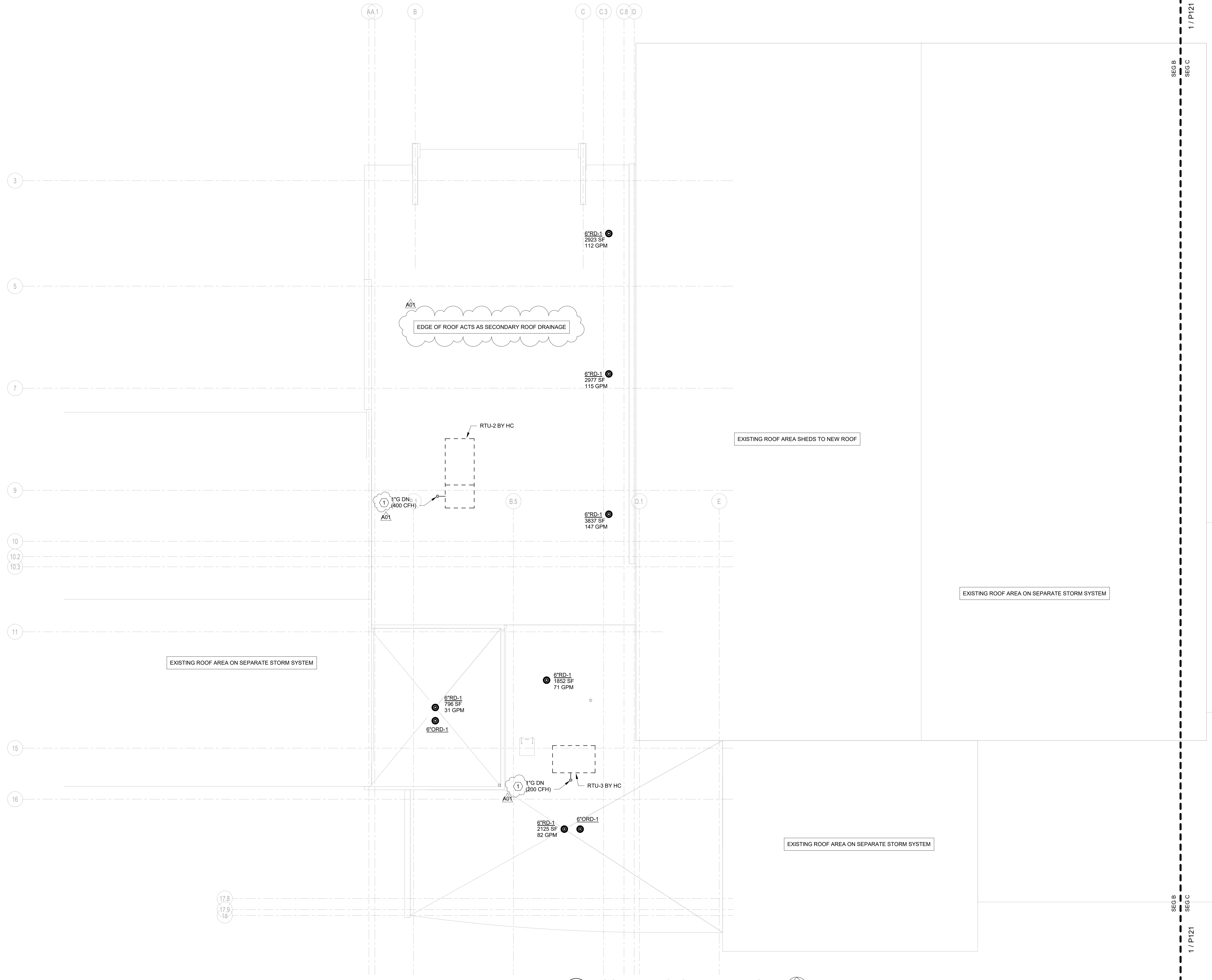


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KEYED NOTES:
① INSTALL VALVE, DIRTLEG AND GAS REGULATOR TO HVAC EQUIPMENT. COORDINATE PRESSURE REQUIREMENTS WITH H.C.



1
P120 ROOF PLAN - SEG B - PLUMBING
SCALE: 1/8" = 1'-0"
NORTH

Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: ROOF PLAN - SEG B - PLUMBING

HSR Project Number: 18063
Project Date: 7-25-19
Drawn By: JDR

Key Plan:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:
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Last Update:
8/13/2019 4:00:42 PM

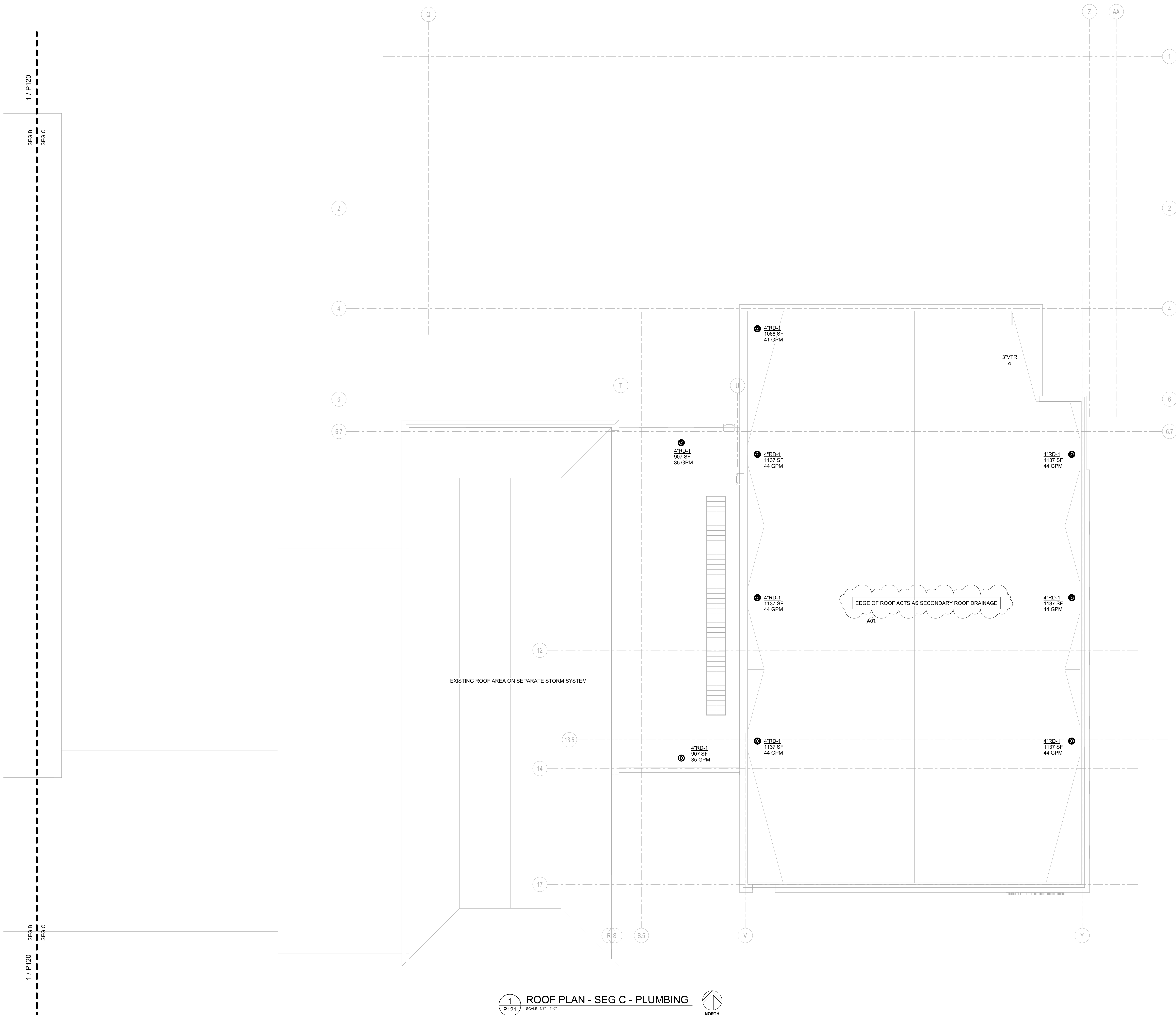
P120



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1 ROOF PLAN - SEG C - PLUMBING
SCALE: 1/8" = 1'-0"



LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
Project Title: 204 KIRKWOOD ST EAST
Location: LANESBORO, MN 55949
Sheet Title: ROOF PLAN - SEG C - PLUMBING

HSR Project Number: 18063

Project Date: 7-25-19

Drawn By: Author

Key Plan:

Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: VARIES

Last Update: 8/13/2019 4:00:46 PM

P121

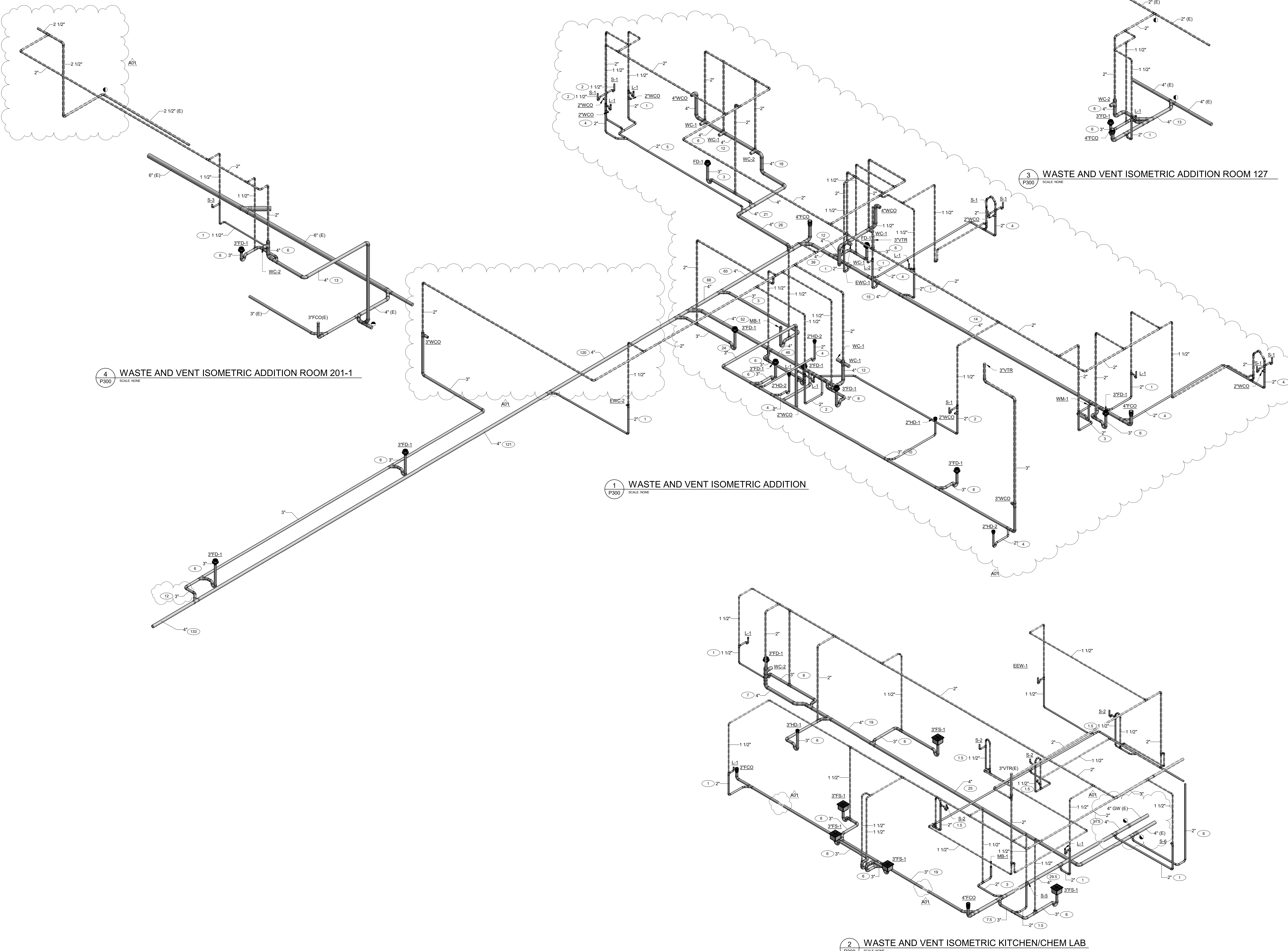


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Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL

Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949

Sheet Title: WASTE & VENT ISOMETRICS - PLUMBING

HSR Project Number:

18063

Project Date:

7-25-19

Drawn By:

JDR

Key Plan:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:

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P300



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LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL

204 KIRKWOOD ST EAST
LANESBORO, MN 55949

DOMESTIC WATER ISOMETRICS - PLUMBING

HSR Project Number: 18063

Project Date: 7-25-19

Drawn By: JDR

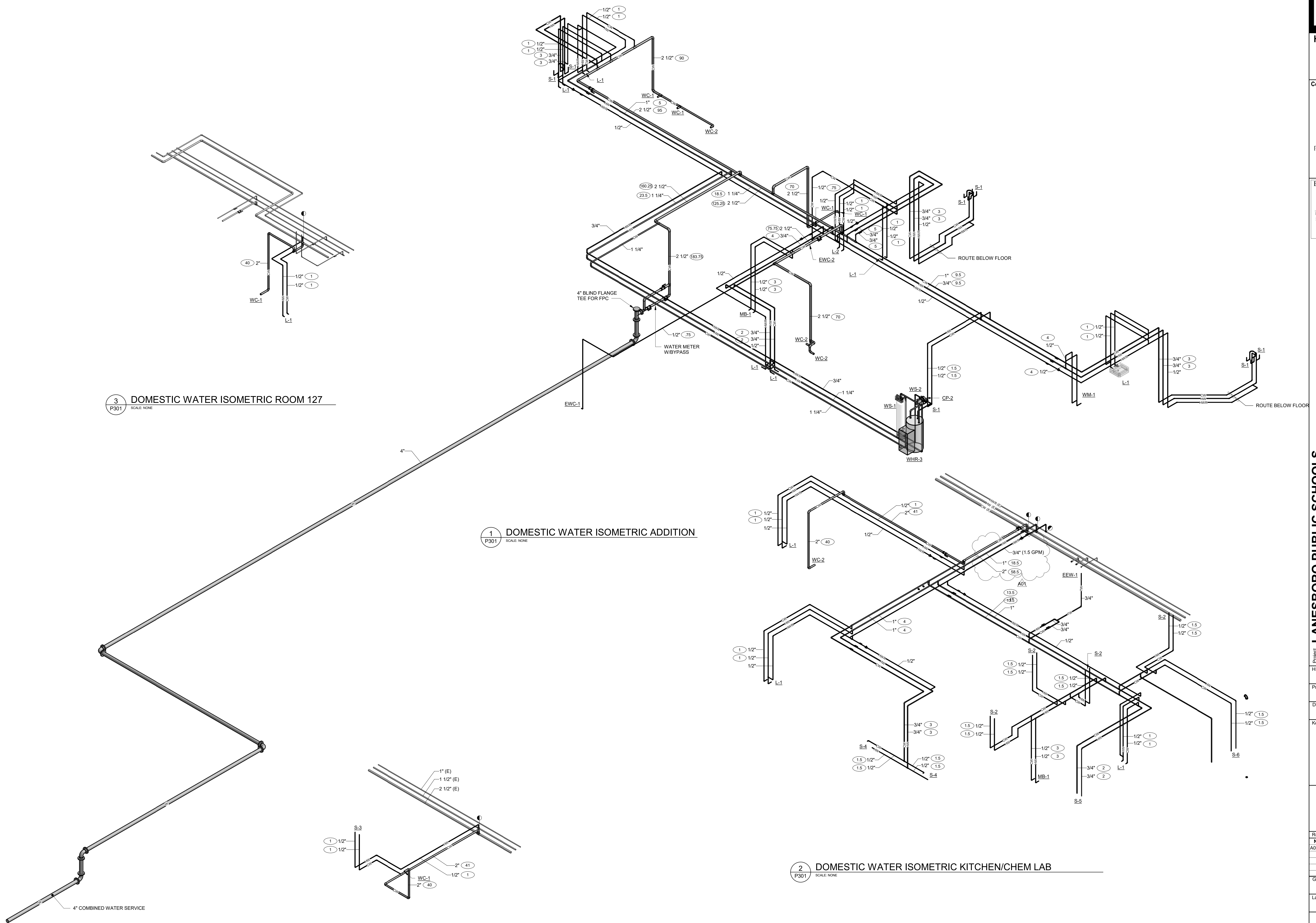
Key Plan:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:

Last Update: 8/13/2019 3:59:01 PM

P301



3 DOMESTIC WATER ISOMETRIC ROOM 127
P301 SCALE: NONE

1 DOMESTIC WATER ISOMETRIC ADDITION
P301 SCALE: NONE

2 DOMESTIC WATER ISOMETRIC KITCHEN/CHEM LAB
P301 SCALE: NONE

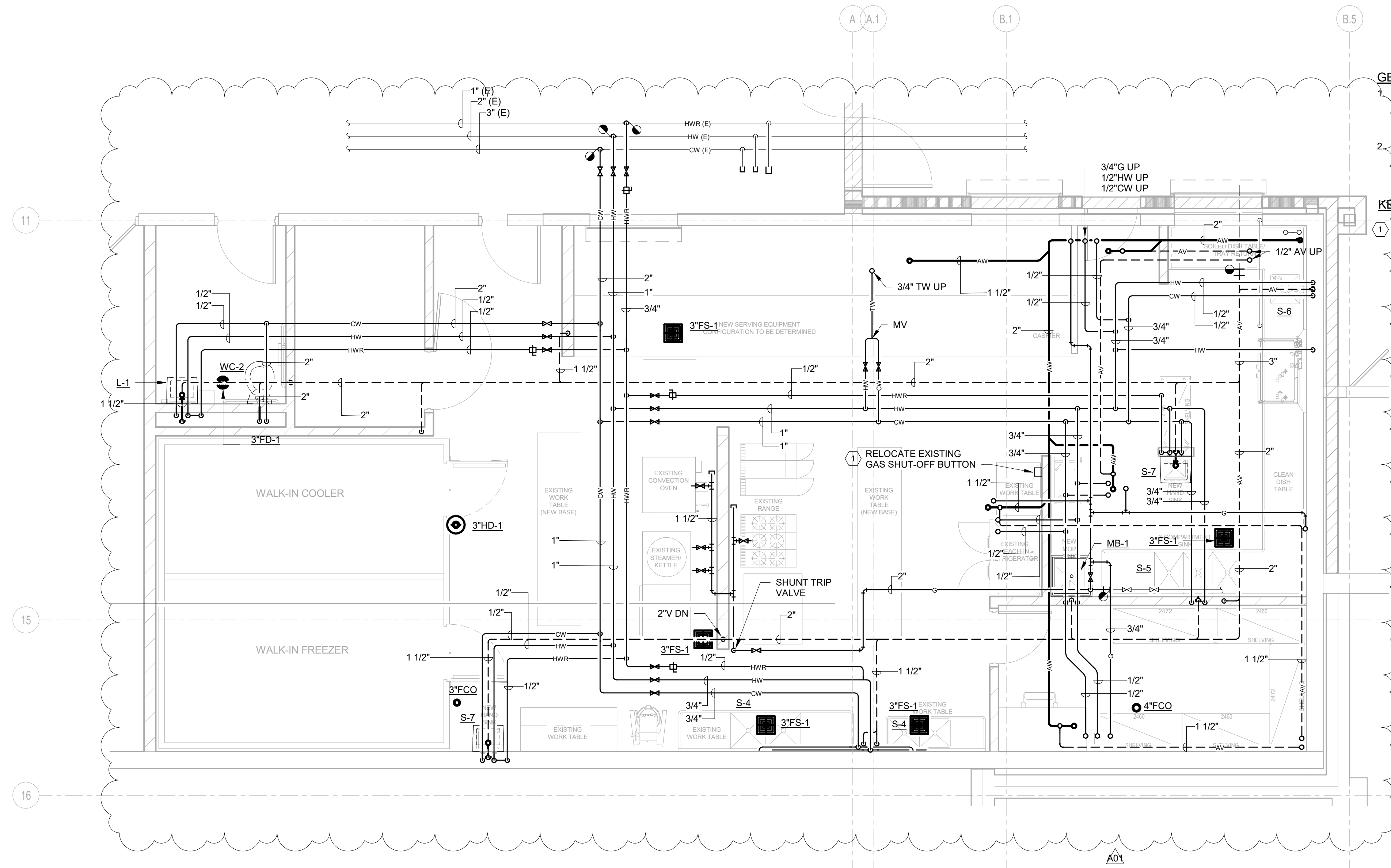
4 DOMESTIC WATER ISOMETRIC ROOM 201-1
P301 SCALE: NONE



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- GENERAL NOTES:**
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE A/E PRIOR TO COMMENCING WORK OR ORDERING MATERIALS.
 - REFER TO FOOD SERVICE FOR ALL PLUMBING CONNECTIONS TO KITCHEN FIXTURES AND EQUIPMENT CONNECTIONS SHALL BE BY P.C.
- KEYED NOTES:**
- RELOCATE EXISTING EMERGENCY GAS SHUT-OFF BUTTON IN LOCATION SHOWN. REWIRE TO EXISTING GAS SOLENOID VALVE IN CEILING SPACE.

1 ENLARGED KITCHEN - PLUMBING
P400 SCALE: 1/4" = 1'-0"
NORTH

Project Title: **LANESBORO PUBLIC SCHOOLS ADDITION & REMODEL**
Project Location: **204 KIRKWOOD ST EAST LANESBORO, MN 55949**
Sheet Title: **ENLARGED FLOOR PLANS - PLUMBING**

HSR Project Number: **18063**
Project Date: **7-25-19**
Drawn By: **JDR**

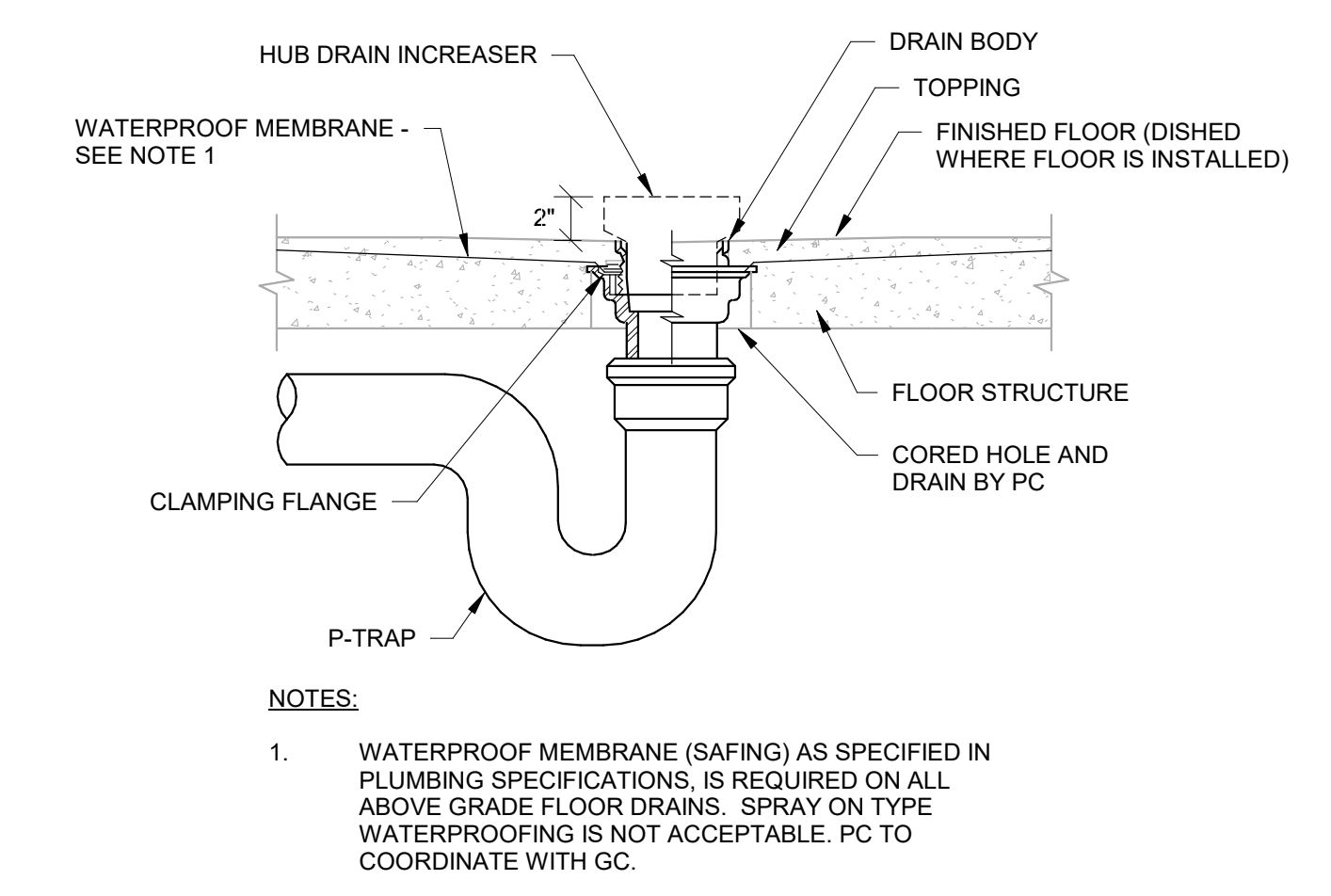
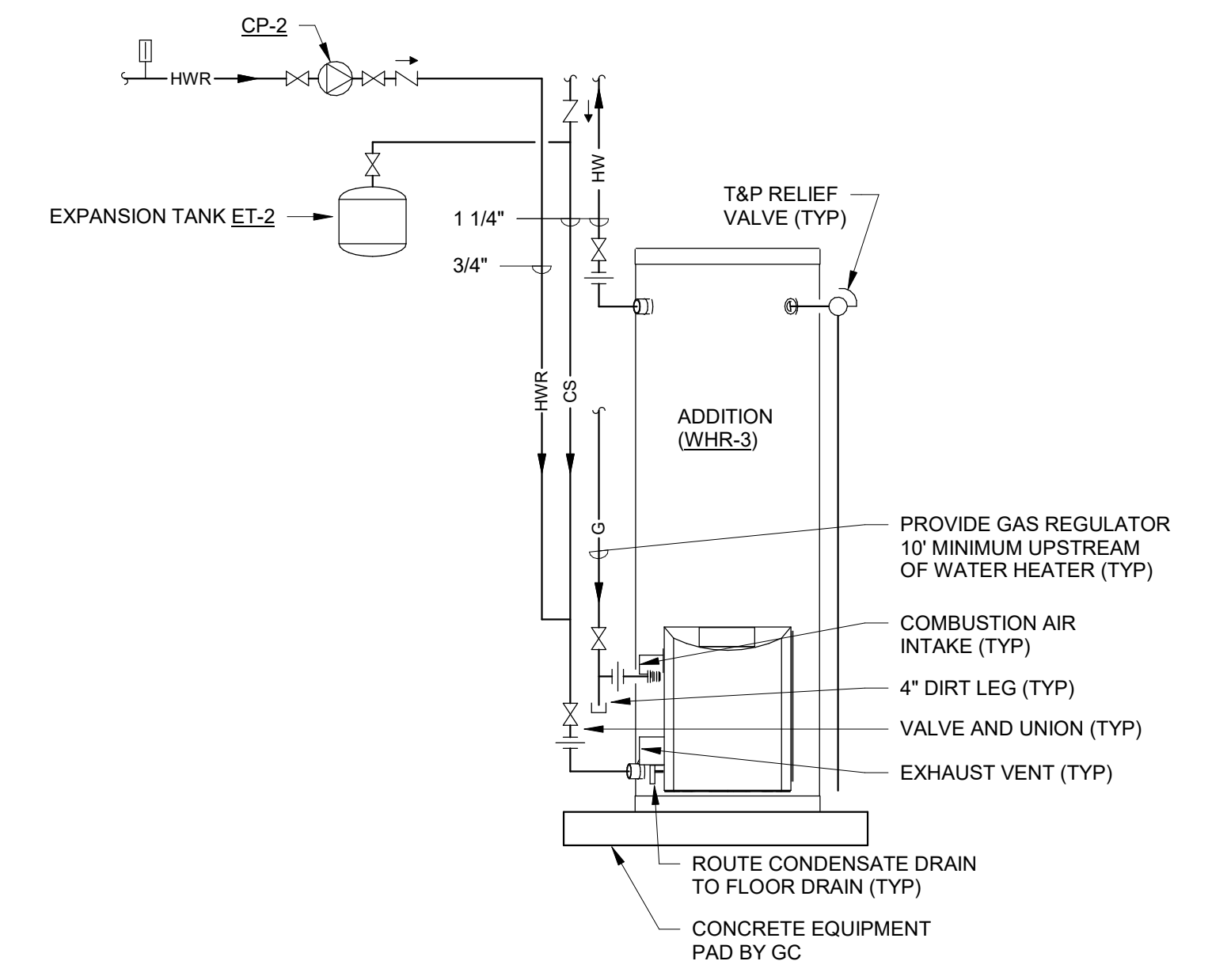
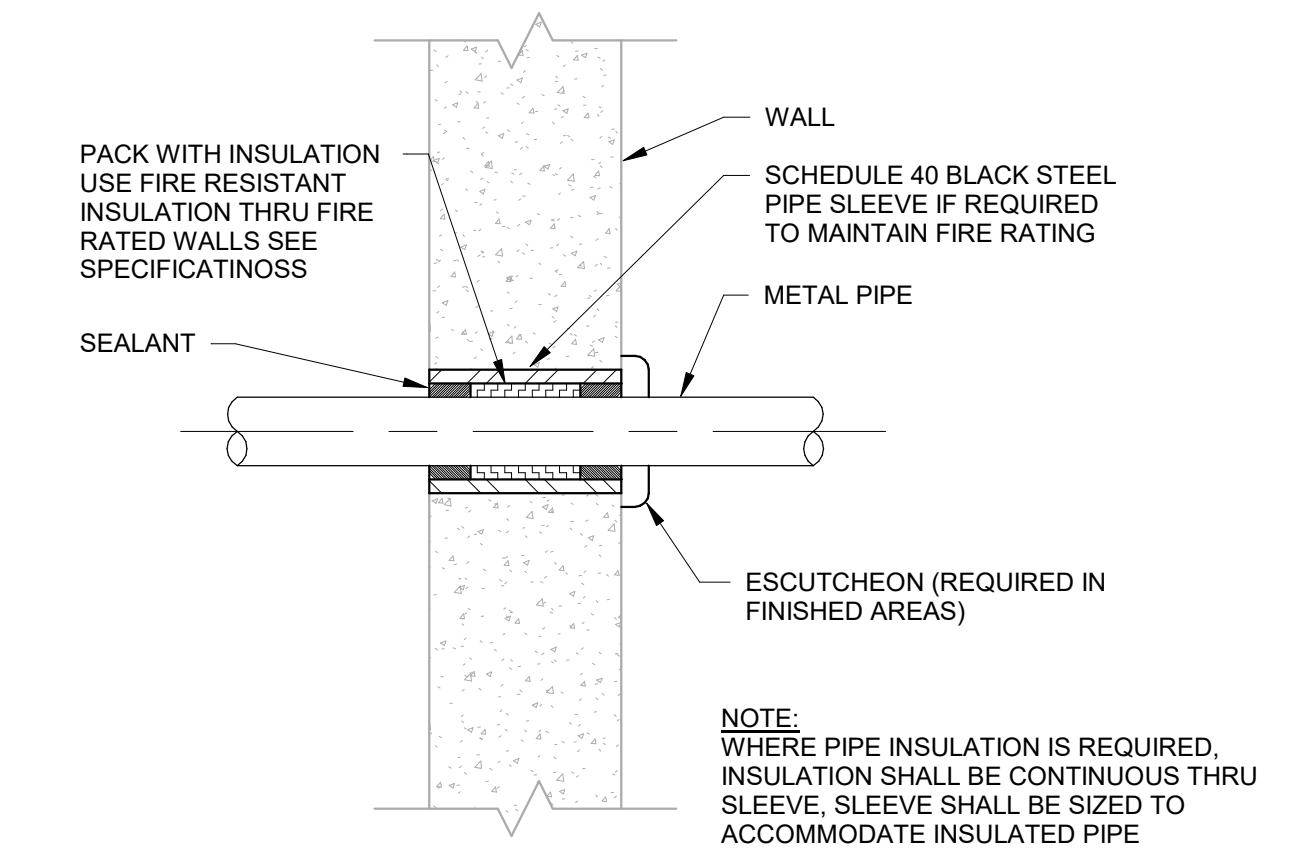
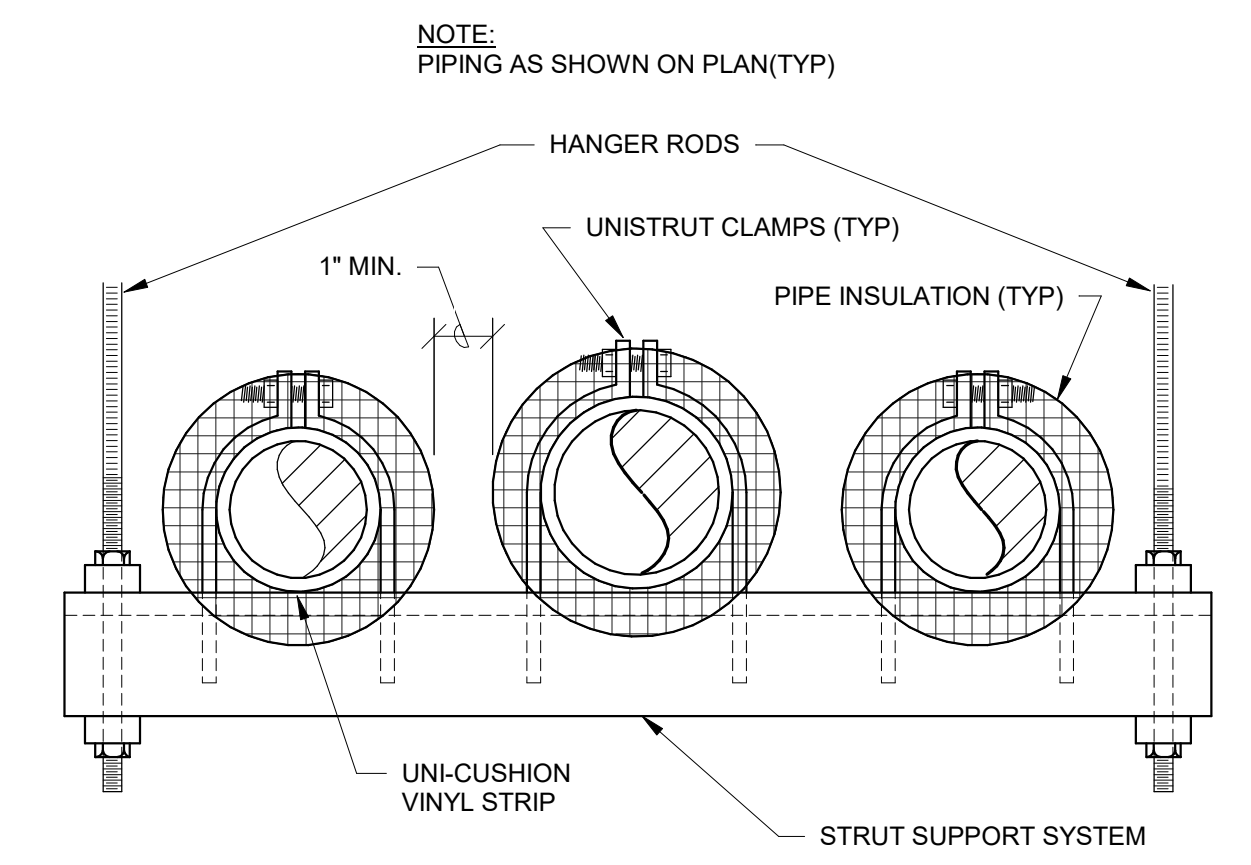
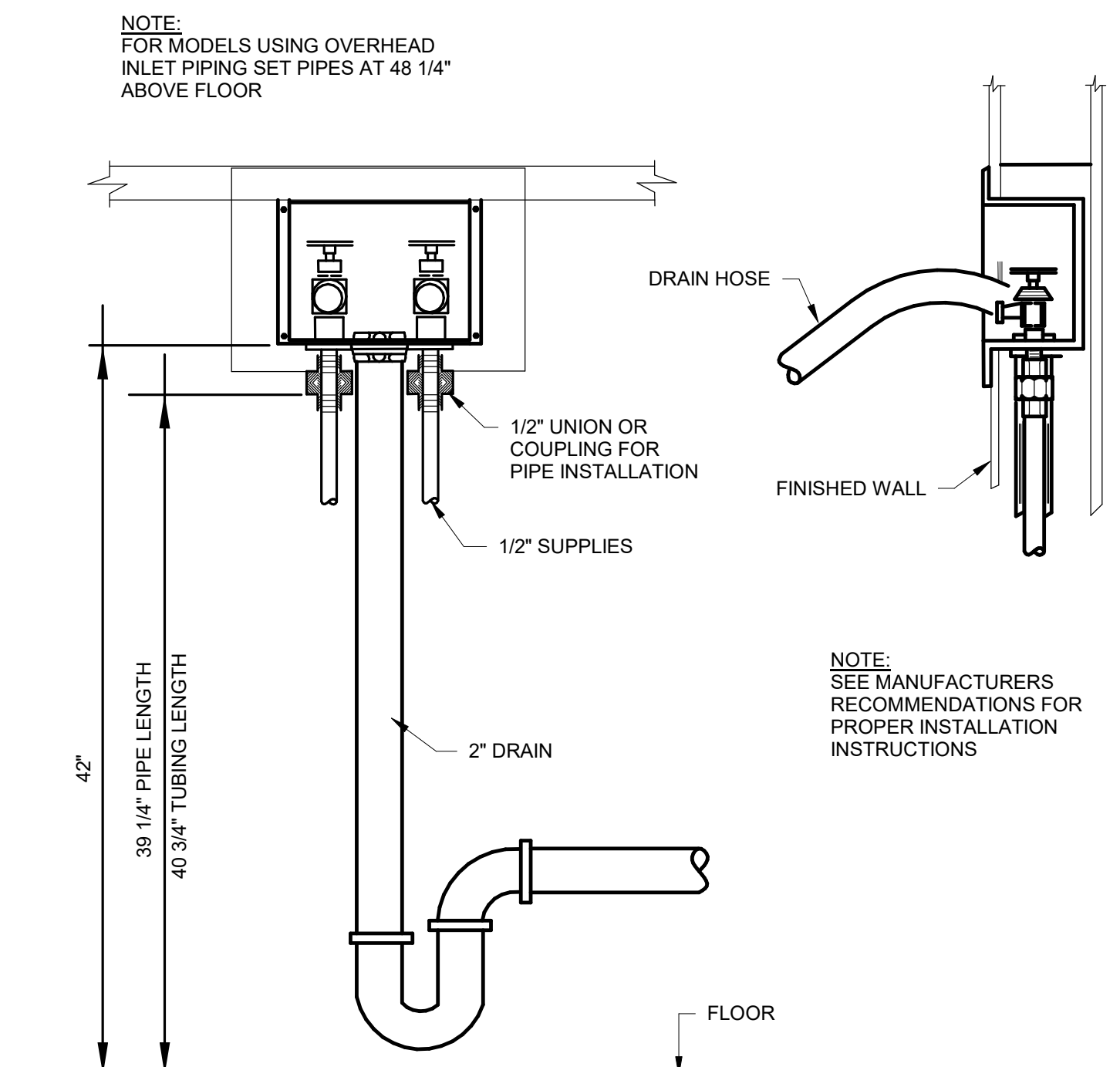
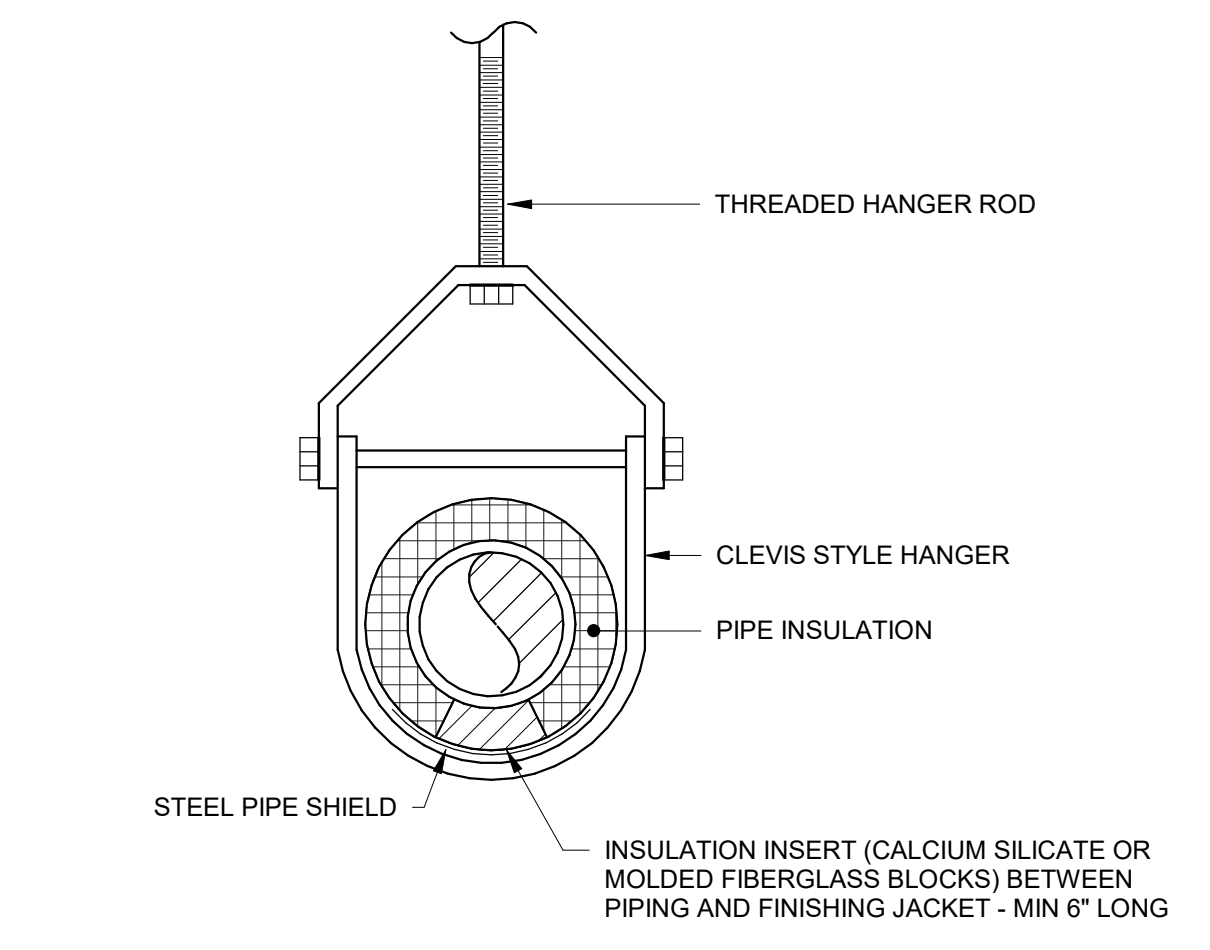
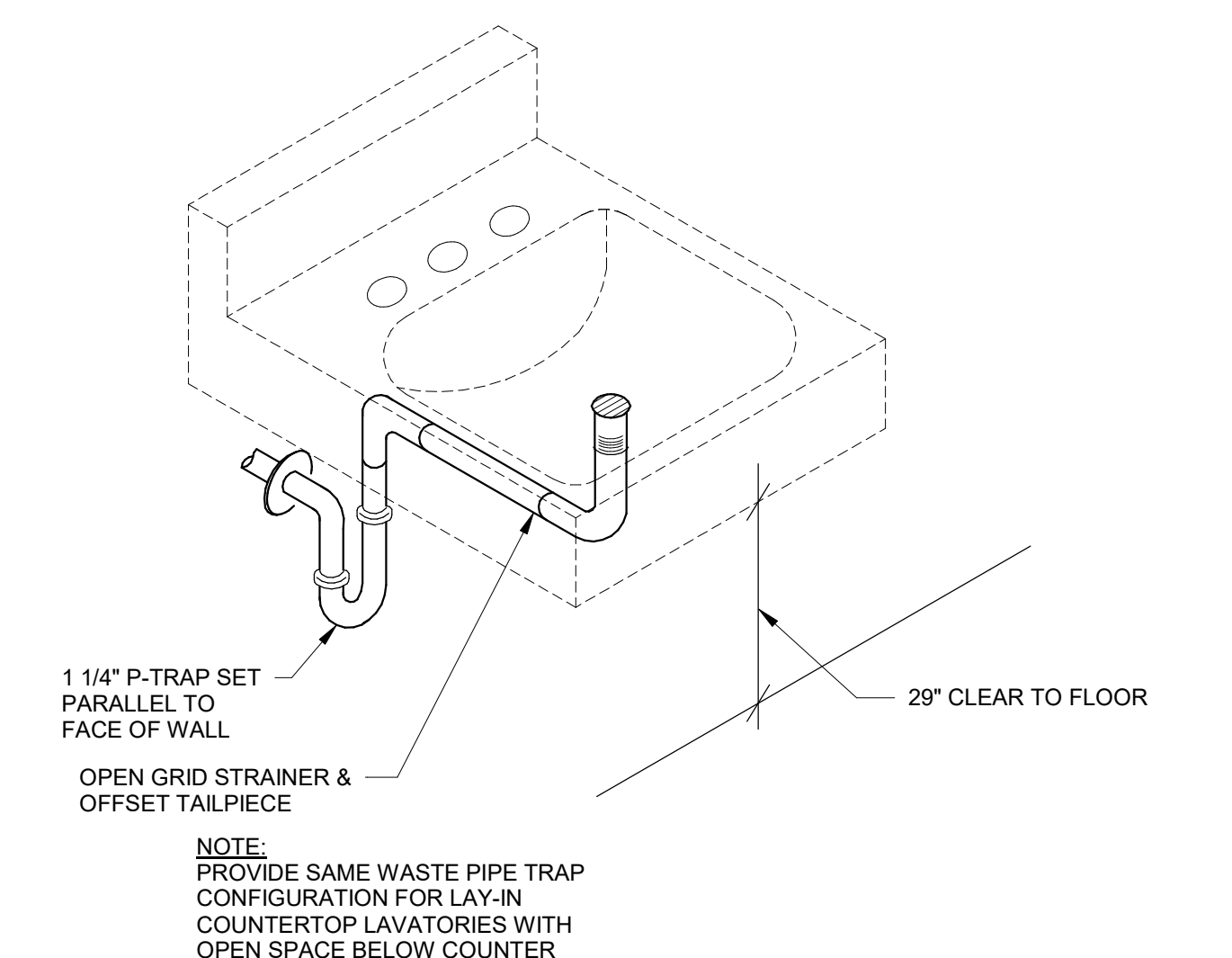
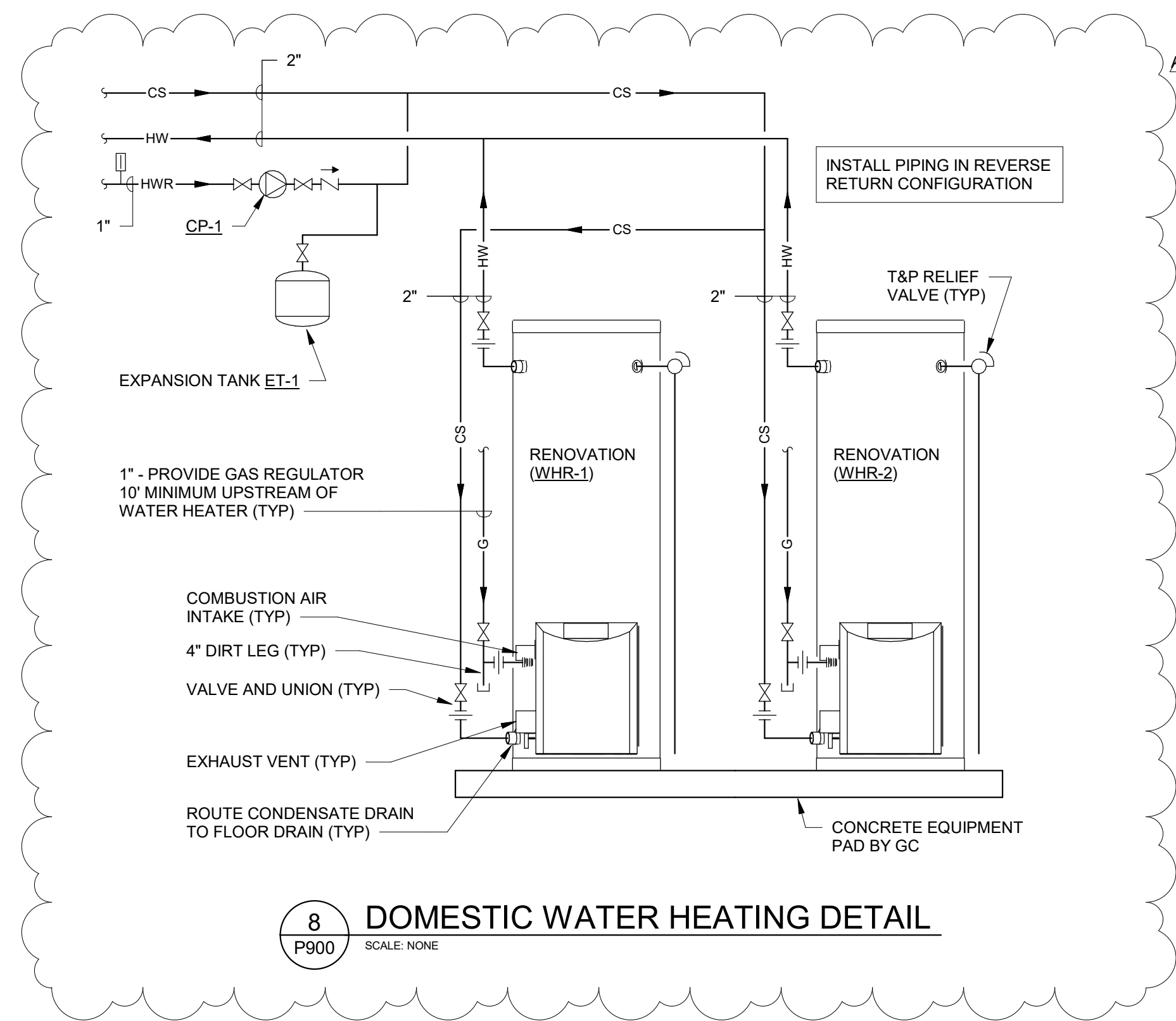
Key Plan:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

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Last Update:
8/13/2019 4:00:53 PM

P400



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Project Title: **LANESBORO PUBLIC SCHOOLS ADDITION & REMODEL**
Project Location: **204 KIRKWOOD ST EAST LANESBORO, MN 55949**
Sheet Title: **DETAILS - PLUMBING**

HSR Project Number: **18063**
Project Date: **7-25-19**
Drawn By: **JDR**

Key Plan:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:

Last Update: **8/13/2019 3:59:46 PM**

P900



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LUMINAIRE SCHEDULE

SYMBOL	CALLOUT	DESCRIPTION	LAMP	INPUT WATTS	TOTAL LUMENS	LAMP COLOR	VOLTS	MOUNTING	MODEL	NOTES
	A	2X2 LED RECESSED	(1) LED	30.3	3930	4000K	MULTIPLE	RECESSED	METALUX 22CZ2-39HE-UNV-L840-CD-1-U EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	
	B	6" LED DOWNLIGHT	(1) LED	21.2	2000	4000K	MULTIPLE	RECESSED	PORTFOLIO LD68-20-D010 / EU68-1020-80-40 / 6LB-W-0-LI EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	
	C	LINEAR LED PENDANT	(1) LED	80.4	9970	4000K	MULTIPLE	PENDANT	AXIS BB0LED-400-400-80-40-SO-S8*-UNV-DP-1-CA(*) EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	REFER TO LIGHTING FLOOR PLANS FOR SYSTEM RUN LENGTHS. PROVIDE CABLE LENGTH TO MOUNT LIGHT FIXTURES BELOW STRUCTURAL TRUSSES.
	D	8FT LED STRIP	(1) LED	83	10464	4000K	MULTIPLE	SURFACE	METALUX 8SLSTP110400D-UNV EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	
	E	4FT LED STRIP	(1) LED	49	5845	4000K	MULTIPLE	SURFACE	METALUX 4SLSTP5640D-UNV EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	PROVIDE SUSPENSION AIRCRAFT CABLE KIT TOGGLE-7 AS NEEDED. FIELD VERIFY LENGTH OF ALL AIRCRAFT CABLE.
	EM	SELF POWERED EGRESS LIGHT	(2) LED	1	0		MULTIPLE	SURFACE	SURE-LITES SEL50 EQUALS BY CHLORIDE, DUAL LITE, AND LITHONIA.	
	F	HIGH BAY LED	(1) LED	127	16216	4000K	MULTIPLE	SURFACE	METALUX 4ILE-LD5-16-N-WG-UNV-L840-CD2-U EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	PROVIDE CABLE LENGTH TO MOUNT LIGHT FIXTURES BELOW STRUCTURAL TRUSSES.
	G	4FT LED SURFACE MOUNT WITH OS	(1) LED	28.6	3217	4000K	MULTIPLE	SURFACE	METALUX 4SWLED-32SL-LC-UNV-L840-CD-1-U EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	
	H	LINEAR LED RECESSED	(1) LED	44.4	4840	4000K	MULTIPLE	RECESSED	AXIS BMRLED-400-80-40-FL-S8*-UNV-DP-1-TB* EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	REFER TO LIGHTING FLOOR PLANS FOR SYSTEM RUN LENGTHS.
	J	6" LED CYLINDER	(1) LED	28	2600	4000K	MULTIPLE	PENDANT	CONTECH CYL640K/MVDFWCCLR* EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	REFER TO LIGHTING FLOOR PLANS FOR COLOR OPTIONS.
	K	LED TRACK LIGHT	(1) LED	300	850	4000K	MULTIPLE	PENDANT/SURFACE	HALO L808NF9040P EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	PROVIDE WITH L853P TRACK (INCLUDING ALL REQUIRED CONNECTORS/ACCESSORIES) AND LOW/0CB300 CURRENT LIMITER. VERIFY QUANTITY OF TRACK HEADS AND FINISHES WITH OWNER/ARCHITECT.
	M	LED BOLLARD	(1) LED	22	1565	4000K	MULTIPLE	SURFACE	CREE PWY-EDG-2M-P4-02-E-UL-BK-350-40K EQUALS BY HUBBELL, LITHONIA, AND PHILIPS.	
	OA	EXTERIOR LED WALLPACK WITH BATTERY	(1) LED	50	4800	4000K	MULTIPLE	SURFACE	MCGRAW EDISON IST-AF-800-LED-E1-SL3-BZ-CWB EQUALS BY HUBBELL, LITHONIA, AND GARDOL.	
	X	EXIT UNIVERSAL WITH BATTERY	(1) LED	1.03	0		MULTIPLE	WALL/CEILING	SURE-LITES SLX7 EQUALS BY CHLORIDE, DUAL LITE, AND LITHONIA.	

MANUFACTURER'S NAMES AND CATALOG NUMBERS ARE USED FOR QUALITY AND PERFORMANCE ONLY. ALTERNATE LISTED LIGHT FIXTURES AND OTHER ELECTRICAL DEVICES MANUFACTURED BY OTHERS SHALL BE EQUALLY ACCEPTABLE PROVIDED THEY MEET OR EXCEED IN PERFORMANCE AND QUALITY AS SPECIFIED.

RECEPTACLE SCHEDULE

SYMBOL	DESCRIPTION	VOLTS	NOTES
	DEDICATED DUPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 18" UNLESS NOTED OTHERWISE.
	DOUBLE DUPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 18" UNLESS NOTED OTHERWISE.
	DUPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 18" UNLESS NOTED OTHERWISE.
	FLOOR BOX	120V 1P 2W	WIREMOLD #RFB4 SERIES FLOOR BOX. UNLESS OTHERWISE NOTED, PROVIDE WITH TWO DUPLEX RECEPTACLES AND DATA ROUGH-INS COMPLETE WITH ALL REQUIRED HARDWARE. COORDINATE CONCRETE WORK WITH G.C. PROVIDE 1-1/2" CONDUIT WITH PULL STRING MINIMUM FOR DATA CABLING.
	GFCI DUPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 18" UNLESS NOTED OTHERWISE.
	RAISED DOUBLE DUPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 46" UNLESS NOTED OTHERWISE.
	RAISED DUPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 46" UNLESS NOTED OTHERWISE.
	RAISED GFCI DUPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 46" UNLESS NOTED OTHERWISE.
	SIMPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 18" UNLESS NOTED OTHERWISE.
	USB DUPLEX RECEPTACLE	120V 1P 2W	MOUNT @ 18" UNLESS NOTED OTHERWISE.
	USB RECEPTACLE	120V 1P 2W	MOUNT @ 18" UNLESS NOTED OTHERWISE.

COMMUNICATIONS DEVICE SCHEDULE

SYMBOL	DESCRIPTION	NOTES
	CLOCK WALL MOUNTED ROUGH-IN	ELECTRICAL CONTRACTOR TO PROVIDE 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE AND A 1-1/4" CONDUIT TO ACCESSIBLE CEILING MINIMUM. PROVIDE A THREADED BUSHING ON THE CONDUIT END. COORDINATE EXACT REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR.
	COMMUNICATIONS OUTLET ROUGH-IN	ELECTRICAL CONTRACTOR TO PROVIDE 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE AND A 1-1/4" CONDUIT TO ACCESSIBLE CEILING MINIMUM. PROVIDE A THREADED BUSHING ON THE CONDUIT END. MOUNT AT 18" AFF UNLESS NOTED OTHERWISE. COORDINATE EXACT REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR.
	RAISED COMMUNICATIONS OUTLET ROUGH-IN	ELECTRICAL CONTRACTOR TO PROVIDE 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE AND A 1-1/4" CONDUIT TO ACCESSIBLE CEILING MINIMUM. PROVIDE A THREADED BUSHING ON THE CONDUIT END. MOUNT AT 46" AFF UNLESS NOTED OTHERWISE. COORDINATE EXACT REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR.
	SPEAKER CEILING MOUNTED ROUGH-IN	ELECTRICAL CONTRACTOR TO PROVIDE 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE AND A 1-1/4" CONDUIT TO ACCESSIBLE CEILING MINIMUM. PROVIDE A THREADED BUSHING ON THE CONDUIT END. COORDINATE EXACT REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR.
	SPEAKER WALL MOUNTED ROUGH-IN	ELECTRICAL CONTRACTOR TO PROVIDE 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE AND A 1-1/4" CONDUIT TO ACCESSIBLE CEILING MINIMUM. PROVIDE A THREADED BUSHING ON THE CONDUIT END. COORDINATE EXACT REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR.
	WIRELESS ACCESS POINT	ELECTRICAL CONTRACTOR TO PROVIDE 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE AND A 1-1/4" CONDUIT TO ACCESSIBLE CEILING MINIMUM. PROVIDE A THREADED BUSHING ON THE CONDUIT END. COORDINATE EXACT REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR.

LIGHTING CONTROL SCHEDULE

SYMBOL	DESCRIPTION	NOTES
	0-10V DIMMER SWITCH	SINGLE POLE DIMMER SWITCH. MOUNT AT 46" TO CENTER UNLESS NOTED OTHERWISE.
	0-10V THREE WAY DIMMER SWITCH	MOUNT AT 46" TO CENTER UNLESS NOTED OTHERWISE.
	CEILING MOUNTED OCCUPANCY SENSOR	DUAL TECHNOLOGY LOW VOLTAGE 360 DEGREE STANDARD RANGE CEILING SENSOR WITH ISOLATED LOW VOLTAGE RELAY. WATTSTOPPER #WT-300 SERIES OR EQUAL BY LEVITON, HUBBELL, OR SENSOR SWITCH.
	FOUR WAY SWITCH	MOUNT AT 46" TO CENTER UNLESS NOTED OTHERWISE.
	KEYED SWITCH	MOUNT AT 46" TO CENTER UNLESS NOTED OTHERWISE.
	PILOT LIGHT SWITCH	MOUNT AT 46" TO CENTER UNLESS NOTED OTHERWISE.
	SINGLE POLE SWITCH	MOUNT AT 46" TO CENTER UNLESS NOTED OTHERWISE.
	THREE WAY SWITCH	MOUNT AT 46" TO CENTER UNLESS NOTED OTHERWISE.
	WALL OCCUPANCY SENSOR	PIR SINGLE RELAY WALL SENSOR WITH 0-10V DIMMING, SELECTABLE SETTINGS FOR OCCUPANCY OR VACANCY. MOUNT AT 46" TO CENTER UNLESS NOTED OTHERWISE. WATTSTOPPER #PW-311 SERIES OR EQUAL BY LEVITON, HUBBELL, OR SENSOR SWITCH.

ACCESS CONTROL SCHEDULE

SYMBOL	CALLOUT	NOTES
	CARD READER ROUGH-IN	ELECTRICAL CONTRACTOR TO PROVIDE RACEWAY AND JUNCTION BOX. REFER TO E900 FOR TYPICAL DOOR ACCESS CONTROL DETAILS.
	DOOR POSITION SWITCH ROUGH-IN	ELECTRICAL CONTRACTOR TO PROVIDE RACEWAY AND JUNCTION BOX. REFER TO E900 FOR TYPICAL DOOR ACCESS CONTROL DETAILS.
	ELECTRIC STRIKE ROUGH-IN	ELECTRICAL CONTRACTOR TO PROVIDE RACEWAY AND JUNCTION BOX. REFER TO E900 FOR TYPICAL DOOR ACCESS CONTROL DETAILS.

FIRE ALARM SCHEDULE

SYMBOL	DESCRIPTION	NOTES
	FIRE ALARM ANNUNCIATOR PANEL	FIRE ALARM SYSTEM WALL MOUNTED ANNUNCIATOR PANEL.
	FIRE ALARM CONTROL PANEL	FIRE ALARM SYSTEM WALL MOUNTED CONTROL PANEL.
	PULL STATION	FIRE ALARM SYSTEM PULL STATION. LOCATE IN PATH OF EGRESS WITHIN 5' OF EGRESS DOOR.
	SMOKE DETECTOR	FIRE ALARM SYSTEM CEILING SMOKE DETECTOR.
	WALL MOUNTED AUDIO-VISUAL NOTIFICATION DEVICE	FIRE ALARM SYSTEM WALL MOUNTED AUDIO/VISUAL ANNUNCIATION DEVICE WITH ADJUSTABLE CANDELA SETTINGS. ADJUST CANDELA TO SETTING INDICATED ON PLAN.
	WALL MOUNTED VISUAL NOTIFICATION DEVICE	FIRE ALARM SYSTEM WALL MOUNTED AUDIO/VISUAL ANNUNCIATION DEVICE WITH ADJUSTABLE CANDELA SETTINGS. ADJUST CANDELA TO SETTING INDICATED ON PLAN.

GENERAL

- ELECTRICAL DISCONNECT
- SPECIAL ELECTRICAL CONNECTION
- ELECTRICAL PANEL
- OR SEE NOTE SYMBOL
- EXISTING TO REMAIN
- CORD REEL
- CORD DROP

ELECTRICAL SHEET INDEX

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:

Last Update:
8/12/2019 5:01:44 PM

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL

204 KIRKWOOD ST EAST
LANESBORO, MN 55949

SYMBOLS AND ABBREVIATIONS - ELECTRICAL

HSR Project Number: 18063

Project Date: 7-25-19

Drawn By: JDR

Key Plan:

Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:

Last Update:
8/12/2019 5:01:44 PM

E000

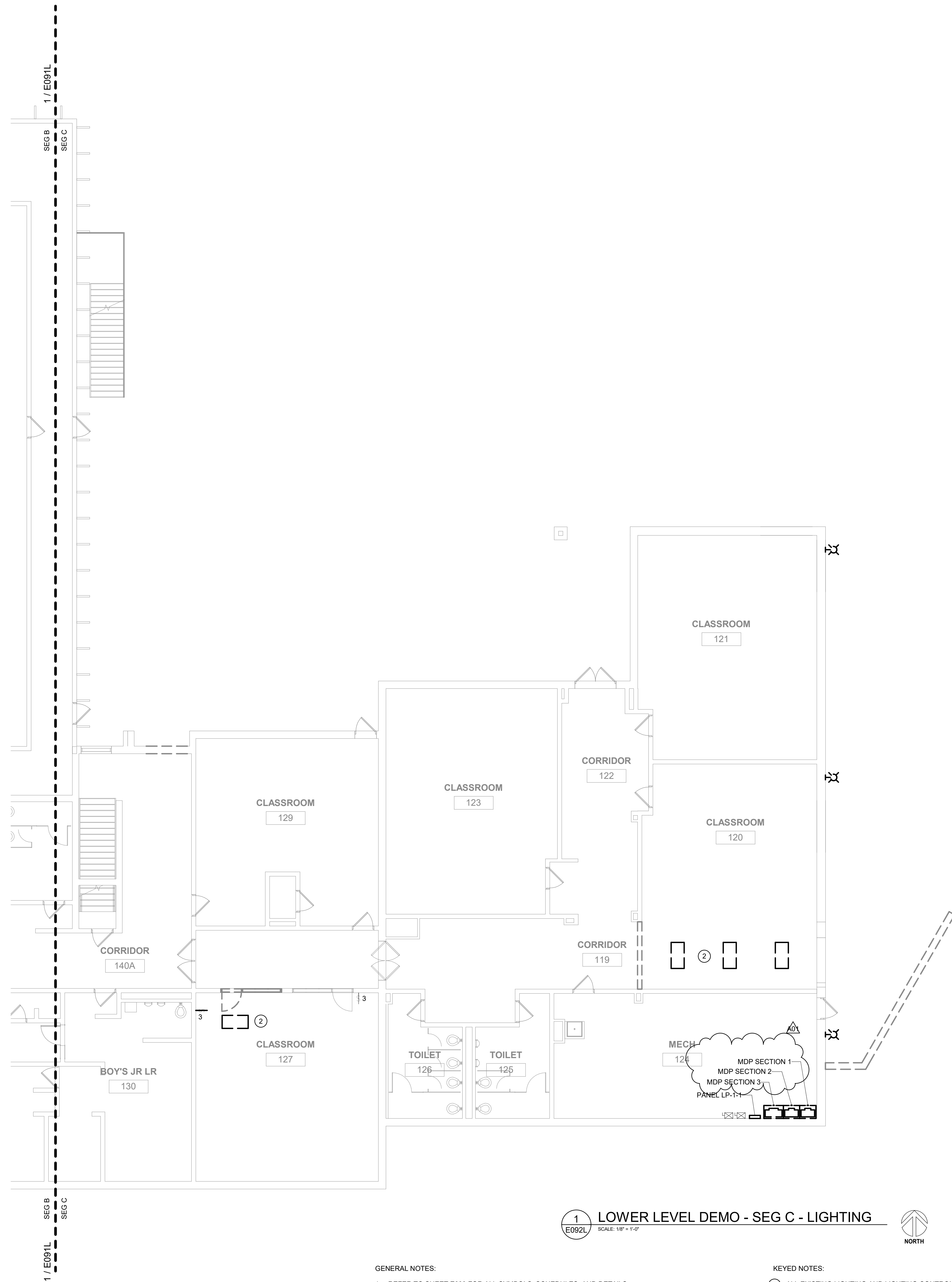
SYMBOLS AND ABBREVIATIONS - ELECTRICAL	
E000	SITE PLAN - ELECTRICAL
E001	LOWER LEVEL DEMO - SEG A - LIGHTING
E098L	LOWER LEVEL DEMO - SEG A - POWER/SYSTEMS
E098P	LOWER LEVEL DEMO - SEG B - LIGHTING
E091L	LOWER LEVEL DEMO - SEG B - POWER/SYSTEMS
E091P	LOWER LEVEL DEMO - SEG C - LIGHTING
E092L	LOWER LEVEL DEMO - SEG C - POWER/SYSTEMS
E092P	UPPER LEVEL DEMO - SEG A - LIGHTING
E093L	UPPER LEVEL DEMO - SEG A - POWER/SYSTEMS
E093P	UPPER LEVEL DEMO - SEG B - LIGHTING
E094L	UPPER LEVEL DEMO - SEG B - POWER/SYSTEMS
E094P	UPPER LEVEL DEMO - SEG C - LIGHTING
E098L	UPPER LEVEL DEMO - SEG C - POWER/SYSTEMS
E098P	LOWER LEVEL - SEG A - LIGHTING
E100L	LOWER LEVEL - SEG A - POWER/SYSTEMS
E100P	LOWER LEVEL - SEG B - LIGHTING
E101L	LOWER LEVEL - SEG B - POWER/SYSTEMS
E101P	LOWER LEVEL - SEG C - LIGHTING
E102L	LOWER LEVEL - SEG C - POWER/SYSTEMS
E102P	UPPER LEVEL - SEG A - LIGHTING
E103P	UPPER LEVEL - SEG A - POWER/SYSTEMS
E104L	UPPER LEVEL - SEG B - LIGHTING
E104P	UPPER LEVEL - SEG B - POWER/SYSTEMS
E105L	UPPER LEVEL - SEG C - LIGHTING
E105P	UPPER LEVEL - SEG C - POWER/SYSTEMS
E120P	ROOF PLAN - SEG B - POWER/SYSTEMS
E121P	ROOF PLAN - SEG C - POWER/SYSTEMS
E600	ONE LINE DIAGRAM - ELECTRICAL
E800	SCHEDULES - ELECTRICAL
E801	PANEL SCHEDULES - ELECTRICAL
E900	DOOR ACCESS CONTROL DETAILS - ELECTRICAL



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JDR PROJECT NO. 19.0052

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I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the State of Wisconsin.
Robert C. Stone
Robert C. Stone
Date: July 5, 2019 Lic. No.: 42791
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1 LOWER LEVEL DEMO - SEG C - LIGHTING
SCALE: 1/8" = 1'-0"



GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
- COORDINATE ALL DEMOLITION WORK REQUIREMENTS WITH ARCHITECTURAL PLANS. REWORK EXISTING ELECTRICAL SYSTEMS, AS REQUIRED, TO ACCOMMODATE ARCHITECTURAL CHANGES.
- ALL DASHED LINES SHOWN ON THE PLANS INDICATE EXISTING DEVICES TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE ANY/ALL UNUSED BOXES, WIRING AND RACEWAY BACK TO SOURCE. ALL PROPERLY SIZED AND PROPERLY SUPPORTED CONDUIT ONLY MAY BE REUSED.
- COORDINATE SHUTDOWN OF EXISTING SERVICES WITH OWNER PRIOR TO COMMENCING ANY DEMOLITION WORK.

KEYED NOTES:

- ALL EXISTING LIGHTING AND LIGHTING CONTROL IN EXISTING GREENHOUSE TO BE DISCONNECTED AND REMOVED. NEW GREENHOUSE LIGHTING AND LIGHTING CONTROL TO MIMIC EXISTING GREENHOUSE. COORDINATE WITH OWNER FOR NEW GREENHOUSE LOCATION.
- REVISE EXISTING LIGHTING CIRCUITS TO FEED NEW LIGHTING. REVISE SWITCHING AS REQUIRED.

Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL

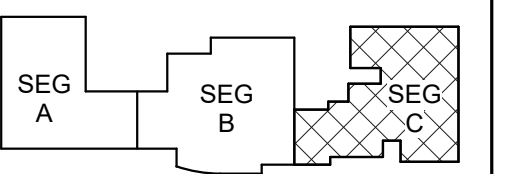
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949

HSR Project Number: 18063

Project Date: 7-25-19

Drawn By: JDR

Key Plan:



KEY PLAN

Revisions:

No.	Description	Date
AO1	ADDENDUM #01	8-13-19



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E092L

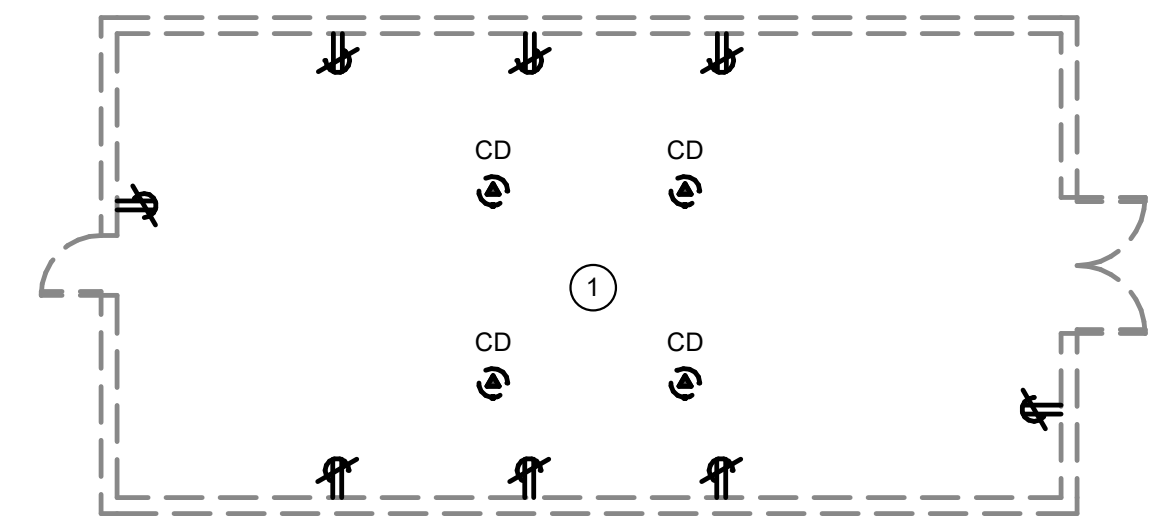
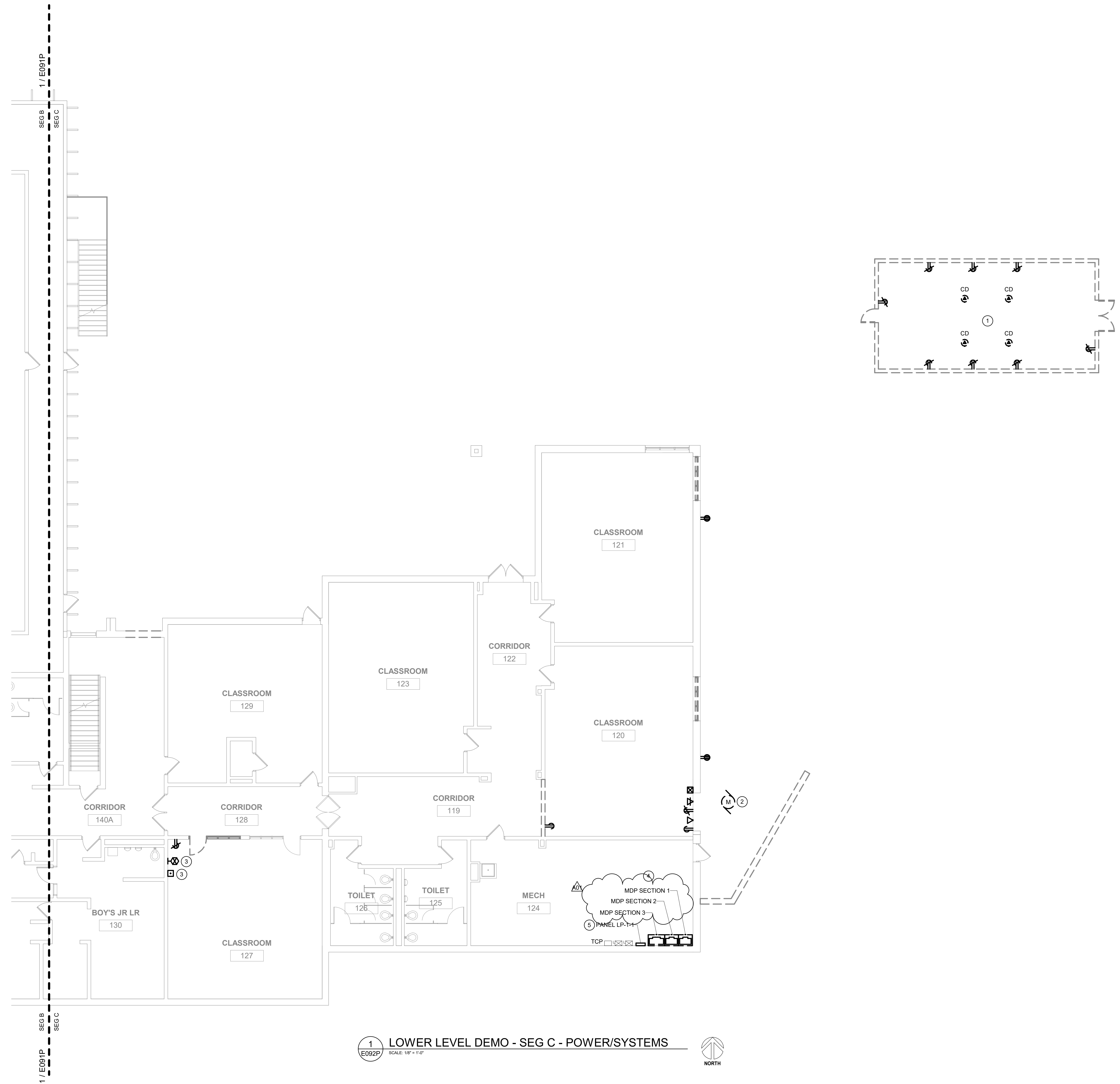
Sheet Title: LOWER LEVEL DEMO - SEG C - LIGHTING



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Robert C. Stone
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1
E092P
SCALE: 1/8" = 1'-0"
LOWER LEVEL DEMO - SEG C - POWER/SYSTEMS

GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
- COORDINATE ALL DEMOLITION WORK REQUIREMENTS WITH ARCHITECTURAL PLANS. REWORK EXISTING ELECTRICAL SYSTEMS, AS REQUIRED, TO ACCOMMODATE ARCHITECTURAL CHANGES.
- ALL DASHED LINES SHOWN ON THE PLANS INDICATE EXISTING DEVICES TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE ANY/ALL UNUSED BOXES, WIRING AND RACEWAY BACK TO SOURCE. ALL PROPERLY SIZED AND PROPERLY SUPPORTED CONDUIT ONLY MAY BE REUSED.
- COORDINATE SHUTDOWN OF EXISTING SERVICES WITH OWNER PRIOR TO COMMENCING ANY DEMOLITION WORK.
- THE EXISTING SIMPLEX FIRE ALARM SYSTEM IN THE BUILDING IS BEING REMOVED AND REPLACED BY THE OWNER/SIMPLEX. ANY/ALL FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS SHALL BE DISCONNECTED AND REMOVED. REFER TO NEW POWER/SYSTEMS PLANS FOR NEW FIRE ALARM DEVICE REQUIREMENTS WITHIN THE RENOVATED AREAS.
- ANY/ALL LOW VOLTAGE SYSTEMS DEVICES WITHIN THE RENOVATED AREAS, INCLUDING BUT NOT LIMITED TO TELECOMMUNICATIONS, INTERCOM, CLOCKS, CATV, SECURITY, AND CCTV, SHALL BE SELECTIVELY DISCONNECTED, REMOVED, AND TURNED OVER TO OWNER FOR POTENTIAL REUSE. REFER TO NEW POWER/SYSTEMS PLANS FOR NEW LOW VOLTAGE SYSTEMS REQUIREMENTS WITHIN THE RENOVATED AREAS.

KEYED NOTES:

- ALL EXISTING POWER DEVICES, EQUIPMENT, ETC. IN EXISTING GREENHOUSE TO BE DISCONNECTED AND REMOVED. NEW GREENHOUSE POWER DEVICES, EQUIPMENT, ETC. TO MIMIC EXISTING GREENHOUSE. COORDINATE WITH OWNER FOR NEW GREENHOUSE LOCATION.
- ELECTRICAL CONTRACTOR TO DISCONNECT EXISTING AIR COOLED CONDENSING UNIT AND REMOVE FEEDER BACK TO SOURCE.
- ELECTRICAL CONTRACTOR TO DISCONNECT AND RECONNECT EXISTING EQUIPMENT AS REQUIRED.
- ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE EXISTING MAIN SERVICE. COORDINATE SERVICE REPLACEMENT WITH LOCAL UTILITY. COORDINATE SERVICE SHUTDOWN WITH LANESBORO PUBLIC SCHOOLS.
- ELECTRICAL CONTRACTOR TO DISCONNECT AND RELOCATE EXISTING PANEL. REMOVE EXISTING FEEDER BACK TO SOURCE.

Project Title: **LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL**

Project Location: **204 KIRKWOOD ST EAST
LANESBORO, MN 55949**

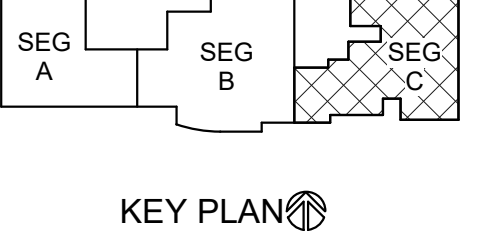
Sheet Title: **LOWER LEVEL DEMO - SEG C - POWER/SYSTEMS**

HSR Project Number: **18063**

Project Date: **7-25-19**

Drawn By: **JDR**

Key Plan:



Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:
0' 2' 4' 8' 12'

Last Update: **8/12/2019 5:01:47 PM**

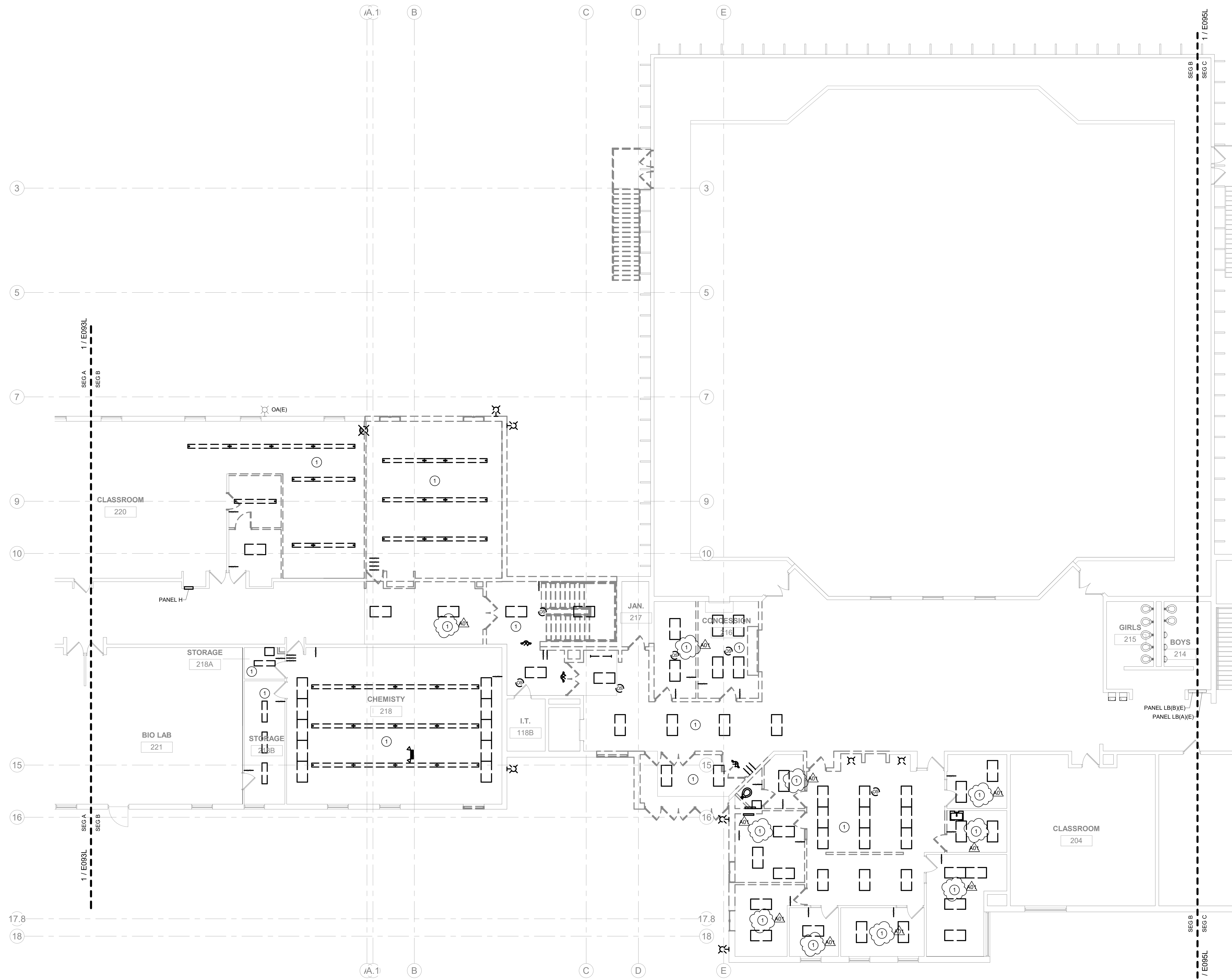
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I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer and member in good standing of the Wisconsin State Board of Engineers.
Robert C. Stone
Robert C. Stone
Date: July 5, 2019 Lic. No.: 42791
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1 UPPER LEVEL DEMO - SEG B - LIGHTING
SCALE: 1/8" = 1'-0"



GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
- COORDINATE ALL DEMOLITION WORK REQUIREMENTS WITH ARCHITECTURAL PLANS. REWORK EXISTING ELECTRICAL SYSTEMS, AS REQUIRED, TO ACCOMMODATE ARCHITECTURAL CHANGES.
- ALL DASHED LINES SHOWN ON THE PLANS INDICATE EXISTING DEVICES TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE ANY/ALL UNUSED BOXES, WIRING AND RACEWAY BACK TO SOURCE. ALL PROPERLY SIZED AND PROPERLY SUPPORTED CONDUIT ONLY MAY BE REUSED.
- COORDINATE SHUTDOWN OF EXISTING SERVICES WITH OWNER PRIOR TO COMMENCING ANY DEMOLITION WORK.

KEYED NOTES:

- REVISE EXISTING LIGHTING CIRCUITS TO FEED NEW LIGHTING. REVISE SWITCHING AS REQUIRED.

Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL

Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949

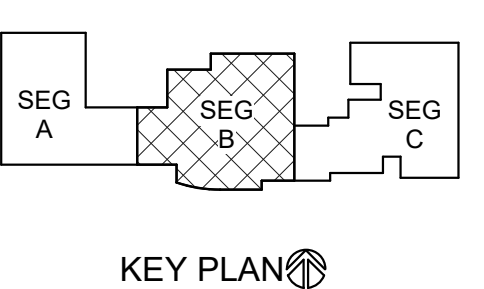
Sheet Title: UPPER LEVEL DEMO - SEG B - LIGHTING

HSR Project Number: 18063

Project Date: 7-25-19

Drawn By: JDR

Key Plan:



No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: 0 2' 4' 8' 12'

Last Update: 8/12/2019 5:01:50 PM

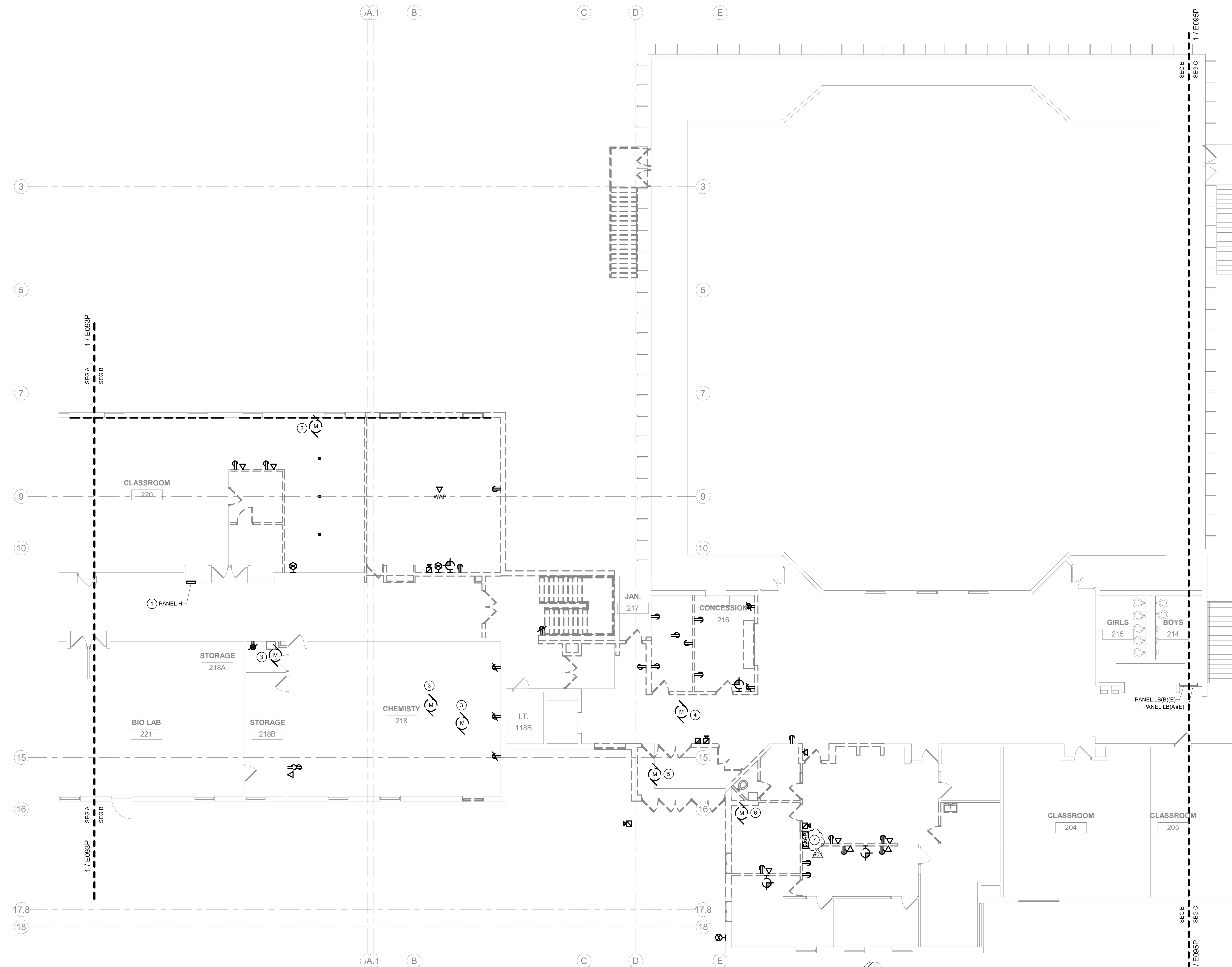
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1 UPPER LEVEL DEMO - SEG B - POWER/SYSTEMS
SCALE: 1/8" = 1'-0"
NORTH

- GENERAL NOTES:**
- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
 - COORDINATE ALL DEMOLITION WORK REQUIREMENTS WITH ARCHITECTURAL PLANS. REWORK EXISTING ELECTRICAL SYSTEMS, AS REQUIRED, TO ACCOMMODATE ARCHITECTURAL CHANGES.
 - ALL DASHED LINES SHOWN ON THE PLANS INDICATE EXISTING DEVICES TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE ANY/ALL UNUSED BOXES, WIRING AND RACEWAY BACK TO SOURCE. ALL PROPERLY SIZED AND PROPERLY SUPPORTED CONDUIT ONLY MAY BE REUSED.
 - COORDINATE SHUTDOWN OF EXISTING SERVICES WITH OWNER PRIOR TO COMMENCING ANY DEMOLITION WORK.
 - THE EXISTING SIMPLEX FIRE ALARM SYSTEM IN THE BUILDING IS BEING REMOVED AND REPLACED BY THE OWNER/SIMPLEX. ANY/ALL FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS SHALL BE DISCONNECTED AND REMOVED. REFER TO NEW POWER/SYSTEMS PLANS FOR NEW FIRE ALARM DEVICE REQUIREMENTS WITHIN THE RENOVATED AREAS.
 - ANY/ALL LOW VOLTAGE SYSTEMS DEVICES WITHIN THE RENOVATED AREAS, INCLUDING BUT NOT LIMITED TO TELECOMMUNICATIONS, INTERCOM, CLOCKS, CATV, SECURITY, AND CCTV, SHALL BE SELECTIVELY DISCONNECTED, REMOVED, AND TURNED OVER TO OWNER FOR POTENTIAL REUSE. REFER TO NEW POWER/SYSTEMS PLANS FOR NEW LOW VOLTAGE SYSTEMS REQUIREMENTS WITHIN THE RENOVATED AREAS.

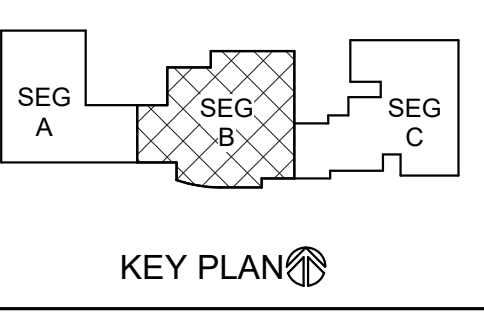
- KEYED NOTES:**
- EXISTING PANEL BOARD AND ENCLOSURE TO BE DISCONNECTED, REMOVED AND REPLACED. EXTEND EXISTING 100A FEEDER TO FEED NEW PANEL BOARD. EXTEND EXISTING BRANCH CIRCUIT WIRING TO NEW PANEL BOARD.
 - ELECTRICAL CONTRACTOR TO DISCONNECT EXISTING UNIT VENTILATOR AND REMOVE FEEDER BACK TO SOURCE.
 - ELECTRICAL CONTRACTOR TO DISCONNECT EXISTING ROOF MOUNTED EXHAUST FAN AND REMOVE FEEDER BACK TO SOURCE.
 - ELECTRICAL CONTRACTOR TO DISCONNECT EXISTING AIR HANDLING UNIT AND REMOVE FEEDER BACK TO SOURCE.
 - ELECTRICAL CONTRACTOR TO DISCONNECT CABINET UNIT HEATER AND REMOVE FEEDER BACK TO SOURCE.
 - ELECTRICAL CONTRACTOR TO DISCONNECT EXISTING EXHAUST FAN AND REMOVE FEEDER BACK TO SOURCE.
 - EXISTING SIMPLEX FIRE ALARM ANNUNCIATOR PANEL TO BE DISCONNECTED, REMOVED, AND REPLACED BY OWNER/SIMPLEX. COORDINATE ALL NEW FIRE ALARM SYSTEM REQUIREMENTS WITH JASON BODDICKER (JOHNSON CONTROLS/SIMPLEX) AT 605-321-9804. EXTEND NEW FIRE ALARM SYSTEM TO ADDITIONS/RENOVATED AREAS AS SHOWN ON NEW POWER/SYSTEMS PLANS.

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
Project Title:
204 KIRKWOOD ST EAST
Location: LANESBORO, MN 55949
Sheet Title:
UPPER LEVEL DEMO - SEG B - POWER/SYSTEMS

HSR Project Number:
18063

Project Date:
7-25-19

Drawn By:
JDR



Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

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JDR PROJECT NO. 19.0052

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Robert C. Stone
Date: July 5, 2019 Lic. No. 42791
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1 LOWER LEVEL - SEG A - LIGHTING
E100L SCALE: 1/8" = 1'-0"



GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
- REFER TO ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS FOR EXACT LOCATION AND COORDINATION OF ALL LIGHT FIXTURE INSTALLATIONS.
- OCCUPANCY SENSOR LOCATIONS ARE SHOWN DIAGRAMMATIC ONLY. ACTUAL LOCATIONS TO BE DETERMINED IN FIELD PER MANUFACTURER'S RECOMMENDATIONS AND LAYOUT. PROVIDE A MINIMUM 4'-0" OF FLEX CONDUIT WIRING SO SENSOR CAN BE FIELD ADJUSTED FOR PROPER COVERAGE DURING FINAL TESTING. FACTORY TRAINED PERSONNEL SHALL PERFORM THE FINAL TIME AND SENSITIVITY SETTINGS, COVERAGE AND/OR AIMING ADJUSTMENTS, AND TESTING. CEILING SENSOR RELAYS TO BE CONNECTED IN SERIES WITH ALL OTHER LIGHTING CONTROLS IN EACH ROOM. DAYLIGHT SENSORS SHALL BE CONNECTED TO ALL FIXTURES WITHIN CODE DEFINED DAYLIGHTING ZONES. LIGHT LEVEL CHANGES SHALL BE GRADUAL (NOT STEPPED).

KEYED NOTES:

- WIRE SENSOR IN PARALLEL WITH OTHER SENSOR(S) IN THE AREA.
- CONNECT NEW LIGHTING TO EXISTING CIRCUITS. REVISE SWITCHING AS REQUIRED.

Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL

Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949

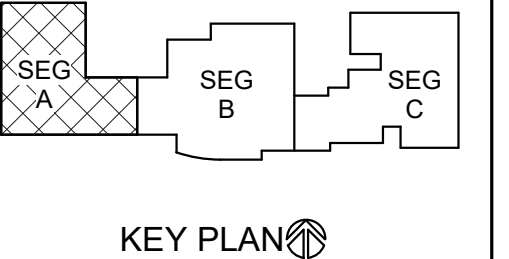
Sheet Title: LOWER LEVEL - SEG A - LIGHTING

HSR Project Number: 18063

Project Date: 7-25-19

Drawn By: JDR

Key Plan:



No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: 0' 2' 4' 8' 12'

Last Update: 8/12/2019 5:01:54 PM

E100L



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1 E100P LOWER LEVEL - SEG A - POWER/SYSTEMS
SCALE: 1/8" = 1'-0"



GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
- ALL POWER DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING ARE NEW UNLESS NOTED OTHERWISE. ALL EXISTING POWER DEVICES, EQUIPMENT, ETC. ARE TO REMAIN IN SERVICE AND BE RECONNECTED TO NEW CIRCUIT BREAKERS IN ORIGINATING PANELS, OR REMAIN ON CIRCUITS WHERE EXISTING PANELS REMAIN AS-IS. EXISTING CIRCUITS ORIGINATING FROM PANELS BEING REMOVED SHALL BE EXTENDED TO PANELS SERVING THE DESIGNATED AREA. SEE PANEL SCHEDULES ON E000 SERIES DRAWINGS. WHERE PRACTICAL, CONNECT EXISTING CIRCUITS AS INDICATED ON THESE SCHEDULES.
- USE OF MULTIWIRE BRANCH CIRCUITS SERVING NEW BRANCH CIRCUITS IS NOT PERMITTED. WHERE EXISTING MULTIWIRE BRANCH CIRCUITS ARE BEING REUSED, LOCATED THE CIRCUITS ON ADJACENT BREAKERS AND PROVIDE IDENTIFIED HANDLE TIES AND GROUP CONDUCTORS WITHIN PANEL PER NEC 210.4 REQUIREMENTS.
- ALL FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING ARE NEW UNLESS NOTED OTHERWISE. ALL EXISTING FIRE ALARM DEVICES, EQUIPMENT, ETC. ARE TO REMAIN IN SERVICE AND BE RECONNECTED TO NEW FIRE ALARM CONTROL PANEL OR ASSOCIATED NAC EXTENDER PANELS AT THEIR NEW LOCATION.
- FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING INDICATES GENERAL PROJECT INTENT. THE ELECTRICAL CONTRACTOR'S FIRE ALARM SYSTEM VENDOR IS RESPONSIBLE FOR QUANTITIES, LAYOUT, DESIGN AND CALCULATIONS OF THEIR SPECIFIC EQUIPMENT TO PROVIDE A COMPLETE FUNCTIONAL CODE COMPLYING SYSTEM APPROVED BY THE LOCAL AHJ.
- A NEW SIMPLEX FIRE ALARM SYSTEM IS BEING PROVIDED IN THE BUILDING BY THE OWNER/SIMPLEX. ANY/ALL EXISTING FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS SHALL BE DISCONNECTED AND REMOVED. PROVIDE NEW FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS FED FROM THE NEW SIMPLEX SYSTEM. REFER TO KEYED NOTE #2 ON SHEET E090P FOR FURTHER INFORMATION. FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS PLAN INDICATE GENERAL PROJECT INTENT. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR EXACT QUANTITIES, LAYOUT, DESIGN, AND CALCULATIONS BASED ON SPECIFIC EQUIPMENT TO BE PROVIDED, IN ORDER TO PROVIDE A COMPLETE AND FUNCTIONAL CODE COMPLIANT SYSTEM APPROVED BY THE LOCAL AHJ. ANY/ALL REQUIRED SUBMITTALS/REVIEWS TO LOCAL AUTHORITIES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- PROVIDE ROUGH-IN FOR ALL LOW VOLTAGE SYSTEMS DEVICES WITHIN THE ADDITIONS/RENOVATED AREAS AS SHOWN ON THIS PLAN AND AS REQUIRED. THIS INCLUDES, BUT IS NOT LIMITED TO AV SYSTEMS, TELECOMMUNICATIONS, INTERCOM, CLOCKS, CATV, SECURITY, AND CCTV. COORDINATE ALL LOW VOLTAGE SYSTEMS LOCATIONS AND REQUIREMENTS WITH OWNER TO CONFIRM COMPLETE SCOPE OF WORK. IN ADDITION, PROVIDE AC POWER CONNECTIONS TO LOW VOLTAGE SYSTEMS EQUIPMENT AS REQUIRED.

KEYED NOTES:

- NEW SIMPLEX FIRE ALARM CONTROL PANEL BY OWNER/SIMPLEX. COORDINATE ALL NEW FIRE ALARM SYSTEM REQUIREMENTS WITH JASON BODDICKER (JOHNSON CONTROLS/SIMPLEX) AT 605-221-8894. EXTEND NEW FIRE ALARM SYSTEM TO ADDITIONS/RENOVATED AREAS AS SHOWN ON THIS PLAN. REVISE EXISTING 120V CIRCUIT AS REQUIRED.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW 208V/120V 3P 4W 225A 42 CIRCUIT PANEL. EXTEND EXISTING FEEDER TO NEW PANEL. IN AREAS WHERE NEW PANEL BUS AMPS ARE GREATER THAN EXISTING FEEDER AMPS, LABEL THE MAXIMUM AMPS AVAILABLE AT THE NEW PANEL. COORDINATE EXACT LOCATION WITH OWNER.
- PROVIDE CONNECTION TO NEW OVERHEAD DOOR AND ASSOCIATED CONTROLS.

Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL

Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949

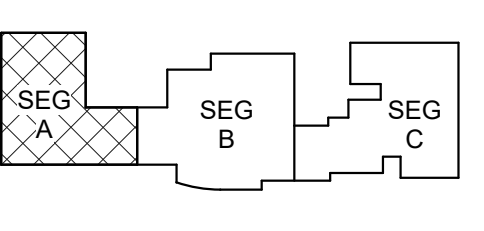
Sheet Title: LOWER LEVEL - SEG A - POWER/SYSTEMS

HSR Project Number: 18063

Project Date: 7-25-19

Drawn By: JDR

Key Plan:



KEY PLAN

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: 0" 2" 4" 8" 12"

Last Update: 8/12/2019 5:12:41 PM

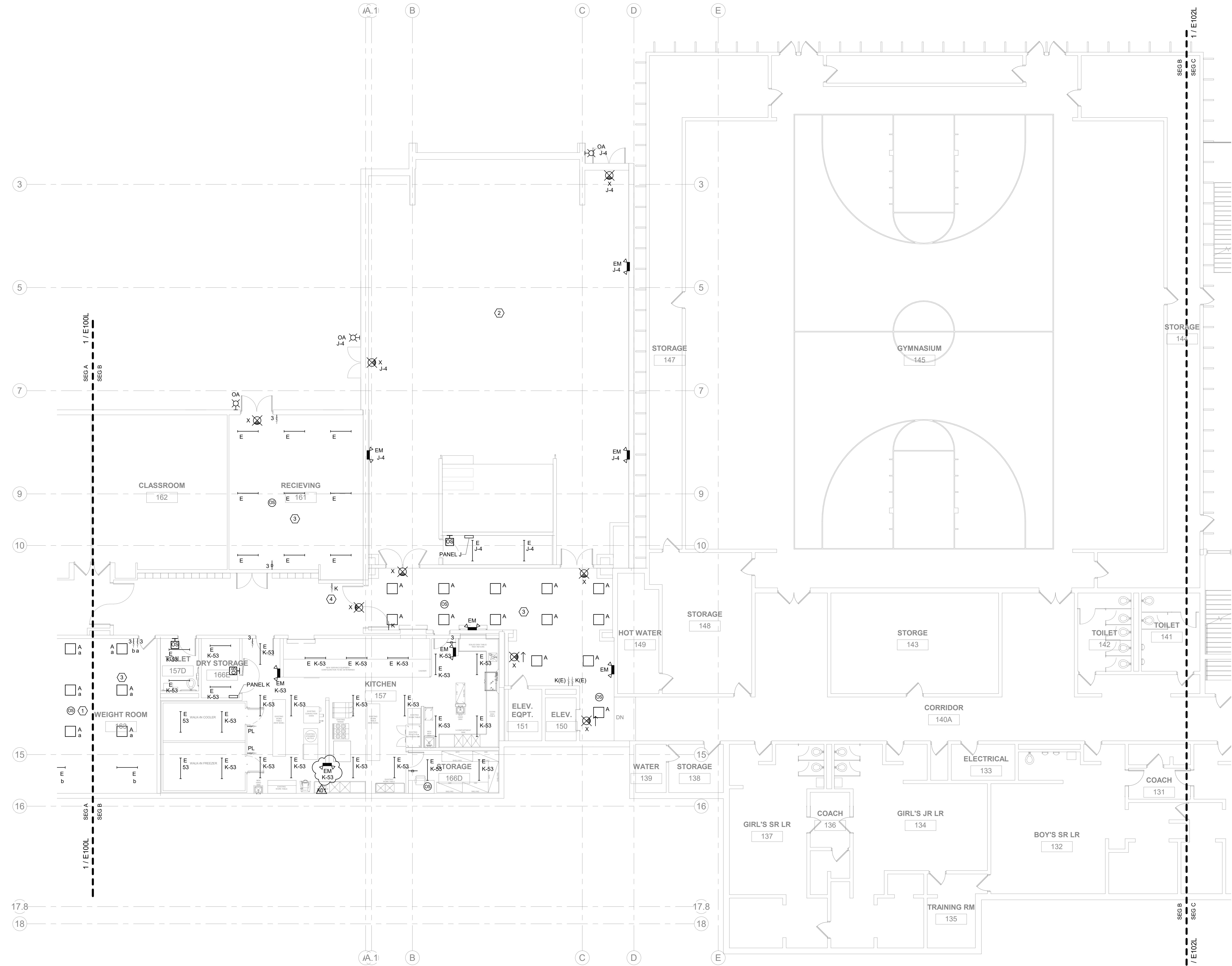
E100P



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PH: 608.277.1728 FAX: 608.271.7016
JDR PROJECT NO. 19.0052

ENGINEER CERTIFICATION
I hereby certify that this Plan, Specification or Report was prepared by me or under my direct supervision and that I am a duly licensed Engineer and member in good standing of the Wisconsin State Board of Engineers.
Robert C. Stone
Robert C. Stone
Date: July 5, 2019 Lic. No.: 42791
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1
E101L LOWER LEVEL - SEG B - LIGHTING
SCALE: 1/8" = 1'-0"



GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
- REFER TO ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS FOR EXACT LOCATION AND COORDINATION OF ALL LIGHT FIXTURE INSTALLATIONS.
- OCCUPANCY SENSOR LOCATIONS ARE SHOWN DIAGRAMMATIC ONLY. ACTUAL LOCATIONS TO BE DETERMINED IN FIELD PER MANUFACTURER'S RECOMMENDATIONS AND LAYOUT. PROVIDE A MINIMUM 4'-0" OF FLEX CONDUIT/WIRING SO SENSOR CAN BE FIELD ADJUSTED FOR PROPER COVERAGE DURING FINAL TESTING. FACTORY TRAINED PERSONNEL SHALL PERFORM THE FINAL TIME AND SENSITIVITY SETTINGS, COVERAGE AND/OR AIMING ADJUSTMENTS, AND TESTING. CEILING SENSOR RELAYS TO BE CONNECTED IN SERIES WITH ALL OTHER LIGHTING CONTROLS IN EACH ROOM. DAYLIGHT SENSORS SHALL BE CONNECTED TO ALL FIXTURES WITHIN CODE DEFINED DAYLIGHTING ZONES. LIGHT LEVEL CHANGES SHALL BE GRADUAL (NOT STEPPED).

KEYED NOTES:

- WIRE SENSOR IN PARALLEL WITH OTHER SENSOR(S) IN THE AREA.
- REFER TO E104L FOR NEW LIGHTING IN THIS AREA.
- CONNECT NEW LIGHTING TO EXISTING CIRCUITS. REVISE SWITCHING AS REQUIRED.
- REVISE EXISTING SWITCHING AS REQUIRED.

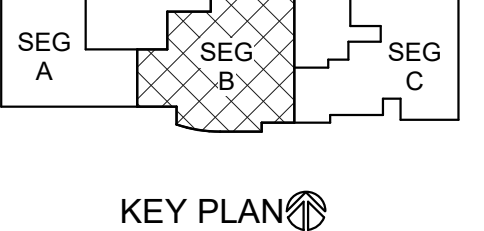
LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
204 KIRKWOOD ST EAST
LANESBORO, MN 55949

Project Title: HSR Project Number: 18063

Project Date: 7-25-19

Drawn By: JDR

Key Plan:



No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: 0' 2' 4' 8' 12'

Last Update: 8/12/2019 5:01:59 PM

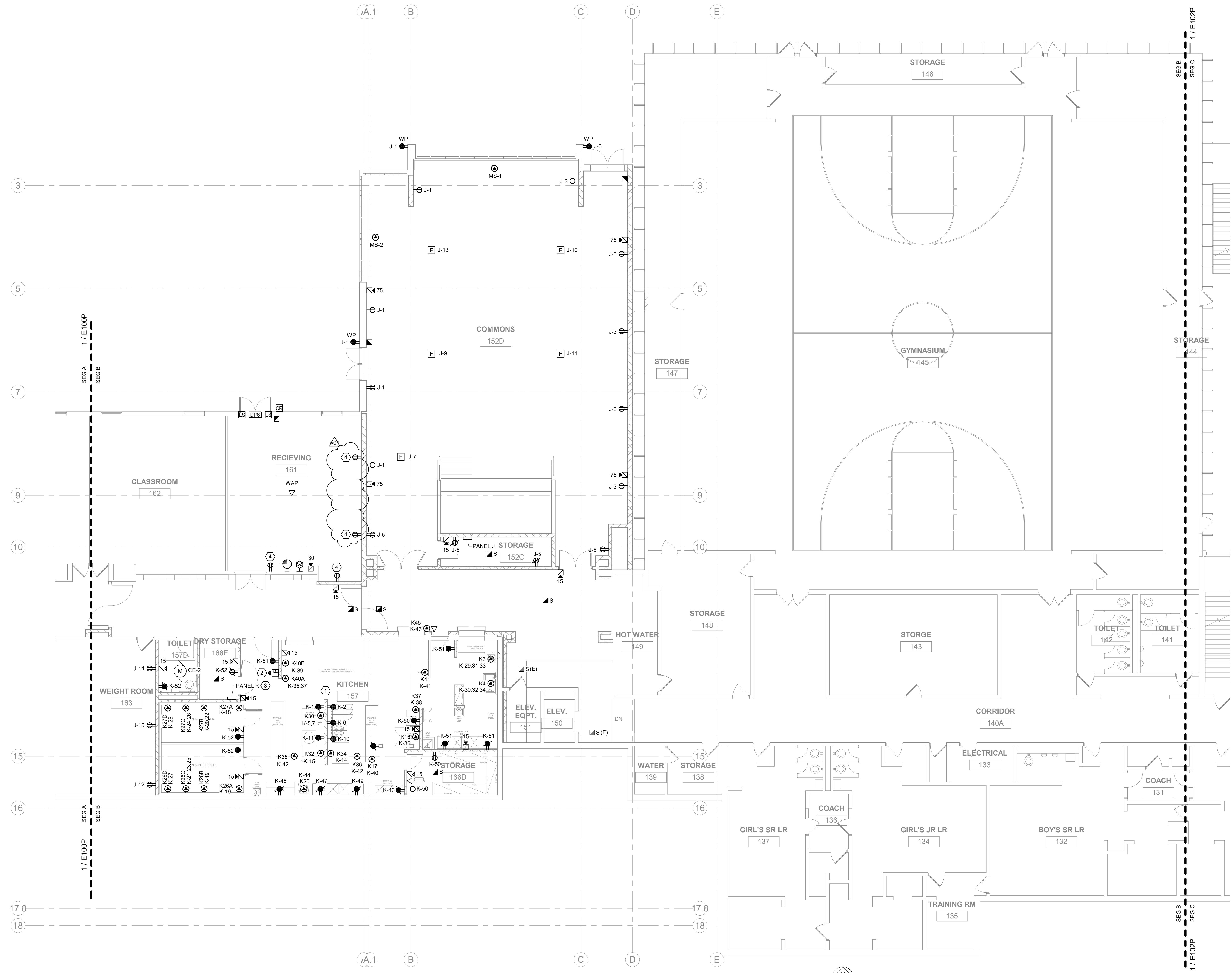
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1 LOWER LEVEL - SEG B - POWER/SYSTEMS
SCALE: 1/8" = 1'-0"
NORTH

- GENERAL NOTES:
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 - ALL POWER DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING ARE NEW UNLESS NOTED OTHERWISE. ALL EXISTING POWER DEVICES, EQUIPMENT, ETC. ARE TO REMAIN IN SERVICE AND BE RECONNECTED TO NEW CIRCUIT BREAKERS IN ORIGINATING PANELS, OR REMAIN ON CIRCUITS WHERE EXISTING PANELS REMAIN AS-IS. EXISTING CIRCUITS ORIGINATING FROM PANELS BEING REMOVED SHALL BE EXTENDED TO PANELS SERVING THE DESIGNATED AREA. SEE PANEL SCHEDULES ON E800 SERIES DRAWINGS. WHERE PRACTICAL, CONNECT EXISTING CIRCUITS AS INDICATED ON THESE SCHEDULES.
 - USE OF MULTIWIRE BRANCH CIRCUITS SERVING NEW BRANCH CIRCUITS IS NOT PERMITTED. WHERE EXISTING MULTIWIRE BRANCH CIRCUITS ARE BEING REUSED, LOCATED THE CIRCUITS ON ADJACENT BREAKERS AND PROVIDE IDENTIFIED HANDLE TIES AND GROUP CONDUCTORS WITHIN PANEL PER NEC 210.4 REQUIREMENTS.
 - ALL FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING ARE NEW UNLESS NOTED OTHERWISE. ALL EXISTING FIRE ALARM DEVICES, EQUIPMENT, ETC. ARE TO REMAIN IN SERVICE AND BE RECONNECTED TO NEW FIRE ALARM CONTROL PANEL OR ASSOCIATED NAC EXTENDER PANELS AT THEIR NEW LOCATION.
 - FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING INDICATES GENERAL PROJECT INTENT. THE ELECTRICAL CONTRACTOR'S FIRE ALARM SYSTEM VENDOR IS RESPONSIBLE FOR QUANTITIES, LAYOUT, DESIGN AND CALCULATIONS OF THEIR SPECIFIC EQUIPMENT TO PROVIDE A COMPLETE FUNCTIONAL CODE COMPLYING SYSTEM APPROVED BY THE LOCAL AHJ.
 - A NEW SIMPLEX FIRE ALARM SYSTEM IS BEING PROVIDED IN THE BUILDING BY THE OWNER/SIMPLEX. ANY ALL EXISTING FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS SHALL BE DISCONNECTED AND REMOVED. PROVIDE NEW FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS FED FROM THE NEW SIMPLEX SYSTEM. REFER TO KEYED NOTE #2 ON SHEET E009P FOR FURTHER INFORMATION. FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS PLAN INDICATE GENERAL PROJECT INTENT. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR EXACT QUANTITIES, LAYOUT, DESIGN, AND CALCULATIONS BASED ON SPECIFIC EQUIPMENT TO BE PROVIDED, IN ORDER TO PROVIDE A COMPLETE AND FUNCTIONAL CODE COMPLIANT SYSTEM APPROVED BY THE LOCAL AHJ. ANY ALL REQUIRED SUBMITTALS/REVIEWS TO LOCAL AUTHORITIES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
 - PROVIDE ROUGH-IN FOR ALL LOW VOLTAGE SYSTEMS DEVICES WITHIN THE ADDITIONS/RENOVATED AREAS AS SHOWN ON THIS PLAN AND AS REQUIRED. THIS INCLUDES, BUT IS NOT LIMITED TO, AV SYSTEMS, TELECOMMUNICATIONS, INTERCOM, CLOCKS, CATV, SECURITY, AND CCTV. COORDINATE ALL LOW VOLTAGE SYSTEMS LOCATIONS AND REQUIREMENTS WITH OWNERS TO CONFIRM COMPLETE SCOPE OF WORK. IN ADDITION, PROVIDE AC POWER CONNECTIONS TO LOW VOLTAGE SYSTEMS EQUIPMENT AS REQUIRED.

- KEYED NOTES:
- REFER TO FOOD SERVICE PLANS FOR MORE INFORMATION.
 - EMERGENCY GAS SHUT-OFF BUTTON(S) FURNISHED BY PLUMBING CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
 - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW 200V/120V 3P 4W, 225A, 42 CIRCUIT PANEL. EXTEND EXISTING FEEDER TO NEW PANEL. IN AREAS WHERE NEW PANEL BUS AMPS ARE GREATER THAN EXISTING FEEDER AMPS, LABEL THE MAXIMUM AMPS AVAILABLE AT THE NEW PANEL. COORDINATE EXACT LOCATION WITH OWNER.
 - CONNECT NEW RECEPTACLES TO EXISTING RECEPTACLE CIRCUITS.

Project Title: LANESBORO PUBLIC SCHOOLS ADDITION & REMODEL
Project Location: 204 KIRKWOOD ST EAST LANESBORO, MN 55949
Sheet Title: LOWER LEVEL - SEG B - POWER/SYSTEMS

HSR Project Number: 18063
Project Date: 7-25-19
Drawn By: JDR
Key Plan:

KEY PLAN

Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: 0' 2' 4' 8' 12'
Last Update: 8/12/2019 5:02:02 PM

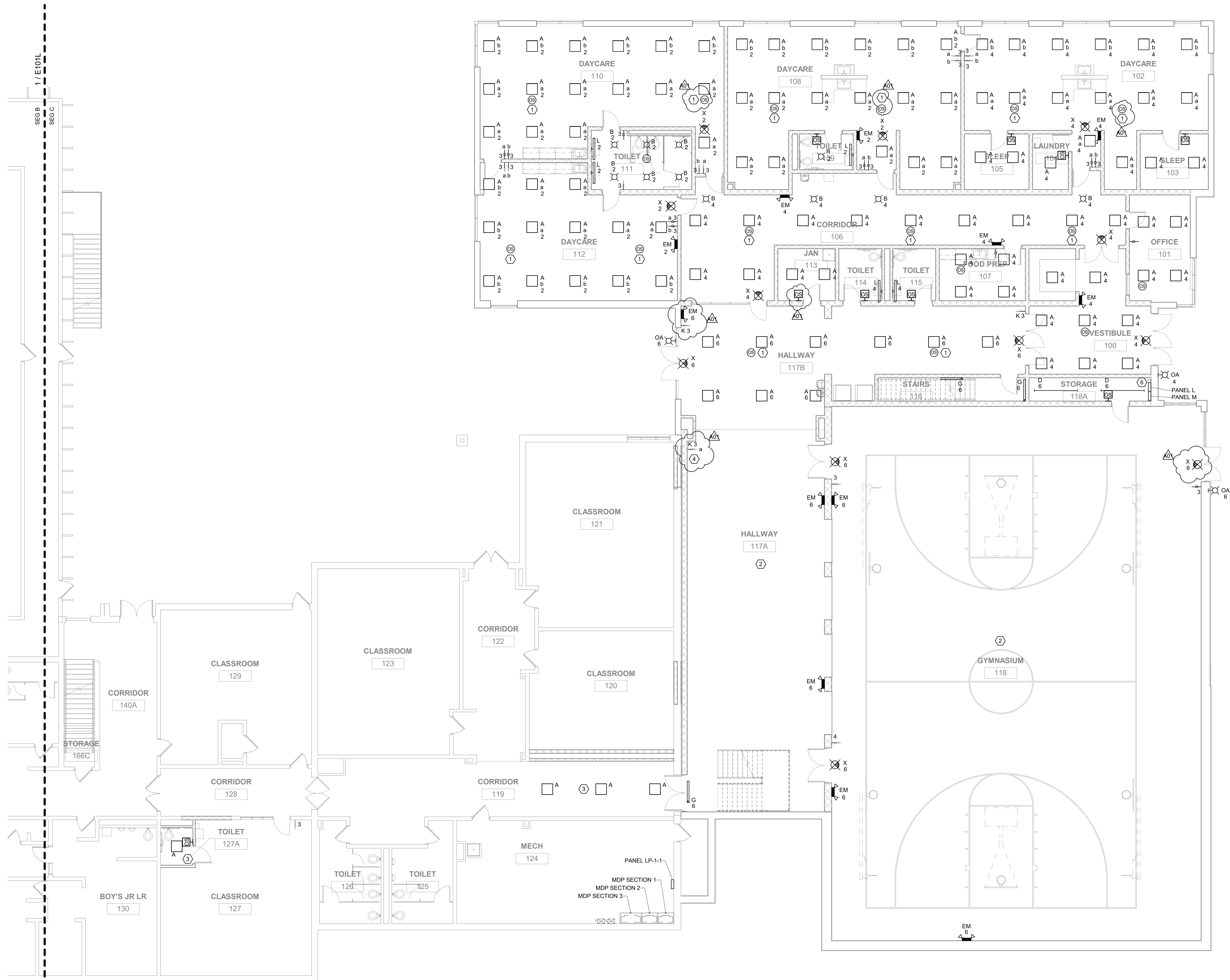
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1 LOWER LEVEL - SEG C - LIGHTING
SCALE: 1/8" = 1'-0"
NORTH

GENERAL NOTES:

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- REFER TO ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS FOR EXACT LOCATION AND COORDINATION OF ALL LIGHT FIXTURE INSTALLATIONS.
- OCCUPANCY SENSOR LOCATIONS ARE SHOWN DIAGRAMMATIC ONLY. ACTUAL LOCATIONS TO BE DETERMINED IN FIELD PER MANUFACTURER'S RECOMMENDATIONS AND LAYOUT. PROVIDE A MINIMUM 4'-0" OF FLEX CONDUIT/WIRING SO SENSOR CAN BE FIELD ADJUSTED FOR PROPER COVERAGE DURING FINAL TESTING. FACTORY TRAINED PERSONNEL SHALL PERFORM THE FINAL TIME AND SENSITIVITY SETTINGS, COVERAGE AND/OR AIMING ADJUSTMENTS, AND TESTING. CEILING SENSOR RELAYS TO BE CONNECTED IN SERIES WITH ALL OTHER LIGHTING CONTROLS IN EACH ROOM. DAYLIGHT SENSORS SHALL BE CONNECTED TO ALL FIXTURES WITHIN CODE-DEFINED DAYLIGHTING ZONES. LIGHT LEVEL CHANGES SHALL BE GRADUAL (NOT STEPPED).
- ALL NEW LIGHTING CIRCUITS SHOWN ARE FED FROM NEW PANEL 'L' UNLESS NOTED OTHERWISE.

KEYED NOTES:

- WIRE SENSOR IN PARALLEL WITH OTHER SENSOR(S) IN THE AREA.
- REFER TO E105L FOR NEW LIGHTING IN THIS AREA.
- CONNECT NEW LIGHTING TO EXISTING CIRCUITS. REVISE SWITCHING AS REQUIRED.
- DIMMER CONTROLS LIGHTING SHOWN ON SHEET E105L.

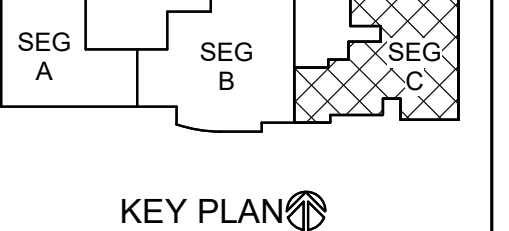
**LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL**
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: LOWER LEVEL - SEG C - LIGHTING

HSR Project Number: 18063

Project Date: 7-25-19

Drawn By: JDR

Key Plan:



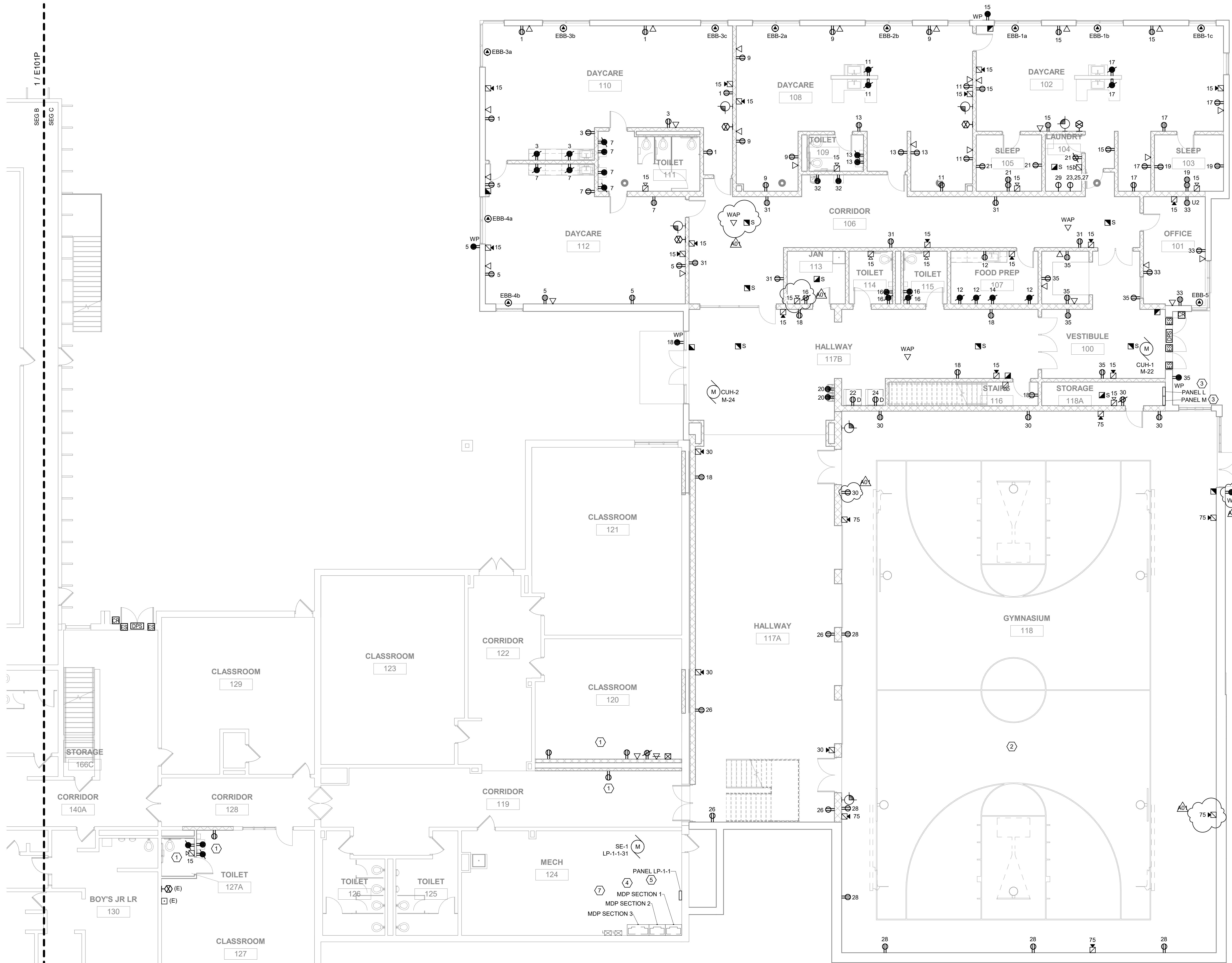
Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:
0' 2' 4' 8' 12'

Last Update: 8/12/2019 5:02:08 PM

E102L



1 LOWER LEVEL - SEG C - POWER/SYSTEMS
SCALE: 1/8" = 1'-0"
NORTH

GENERAL NOTES:

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- FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING INDICATES GENERAL PROJECT INTENT. THE ELECTRICAL CONTRACTOR'S FIRE ALARM SYSTEM VENDOR IS RESPONSIBLE FOR QUANTITIES, LAYOUT, DESIGN AND CALCULATIONS OF THEIR SPECIFIC EQUIPMENT TO PROVIDE A COMPLETE FUNCTIONAL CODE COMPLYING SYSTEM APPROVED BY THE LOCAL AHJ.
- A NEW SIMPLEX FIRE ALARM SYSTEM IS BEING PROVIDED IN THE BUILDING BY THE OWNER/SIMPLEX. ANY/ALL EXISTING FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS SHALL BE DISCONNECTED AND REMOVED. PROVIDE NEW FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS FED FROM THE NEW SIMPLEX SYSTEM. REFER TO KEYED NOTE #2 ON SHEET E090P FOR FURTHER INFORMATION. FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS PLAN INDICATE GENERAL PROJECT INTENT. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR EXACT QUANTITIES, LAYOUT, DESIGN, AND CALCULATIONS BASED ON SPECIFIC EQUIPMENT TO BE PROVIDED, IN ORDER TO PROVIDE A COMPLETE AND FUNCTIONAL CODE COMPLIANT SYSTEM APPROVED BY THE LOCAL AHJ. ANY/ALL REQUIRED SUBMITTALS/REVIEWS TO LOCAL AUTHORITIES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- PROVIDE ROUGH-IN FOR ALL LOW VOLTAGE SYSTEMS DEVICES WITHIN THE ADDITIONS/RENOVATED AREAS AS SHOWN ON THIS PLAN AND AS REQUIRED. THIS INCLUDES, BUT IS NOT LIMITED TO AV SYSTEMS, TELECOMMUNICATIONS, INTERCOM, CLOCKS, CATV, SECURITY, AND CCTV. COORDINATE ALL LOW VOLTAGE SYSTEMS LOCATIONS AND REQUIREMENTS WITH OWNER TO CONFIRM COMPLETE SCOPE OF WORK. IN ADDITION, PROVIDE AC POWER CONNECTIONS TO LOW VOLTAGE SYSTEMS EQUIPMENT AS REQUIRED.
- ALL NEW POWER CIRCUITS SHOWN ARE FED FROM NEW PANEL 'L' UNLESS NOTED OTHERWISE.

KEYED NOTES:

- CONNECT NEW RECEPTACLES TO EXISTING RECEPTACLE CIRCUITS.
- PROVIDE WIRE GAURDS OR PROTECTIVE COVERS OVER ALL FIRE ALARM, CLOCKS, WAPS, ETC.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW 208V/120Y 3P 4W, 225A, 42 CIRCUIT PANEL.
- ELECTRICAL CONTRACTOR TO PROVIDE NEW ELECTRICAL SERVICE IN THIS APPROXIMATE LOCATION. COORDINATE NEW ELECTRICAL SERVICE WITH LOCAL UTILITY. REFER TO ONE LINE DIAGRAMS ON SHEET E800 FOR MORE INFORMATION. COORDINATE LOCATION OF NEW UTILITY TRANSFORMER WITH LOCAL UTILITY.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW 208V/120Y 3P 4W, 225A, 42 CIRCUIT PANEL IN THIS APPROXIMATE LOCATION TO ACCOMMODATE NEW ELECTRICAL SERVICE. FIELD COORDINATE CLEARANCE REQUIREMENTS. IN AREAS WHERE NEW PANEL BUS AMPS ARE GREATER THAN EXISTING FEEDER AMPS, LABEL THE MAXIMUM AMPS AVAILABLE AT THE NEW PANEL. COORDINATE EXACT LOCATION WITH OWNER.
- ELECTRICAL CONTRACTOR TO PROVIDE ASTRONOMICAL TIME CLOCK FOR CONTROL OF NEW EXTERIOR LIGHTING.
- PROVIDE MULTIPLE 4" CONDUITS FROM SERVICE METER TO ROOF MOUNTED SOLAR/PV ARRAYS AS REQUIRED BY SOLAR/PV CONTRACTOR. FIELD VERIFY ALL REQUIREMENTS.

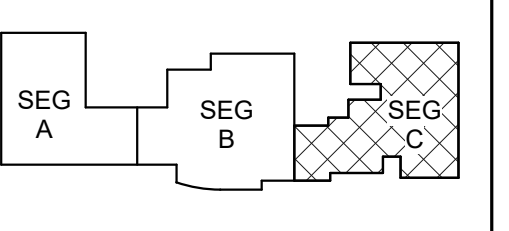
Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: LOWER LEVEL - SEG C - POWER/SYSTEMS

HSR Project Number: 18063

Project Date: 7-25-19

Drawn By: JDR

Key Plan:



KEY PLAN

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:
0' 2' 4' 8' 12'

Last Update: 8/12/2019 5:02:12 PM

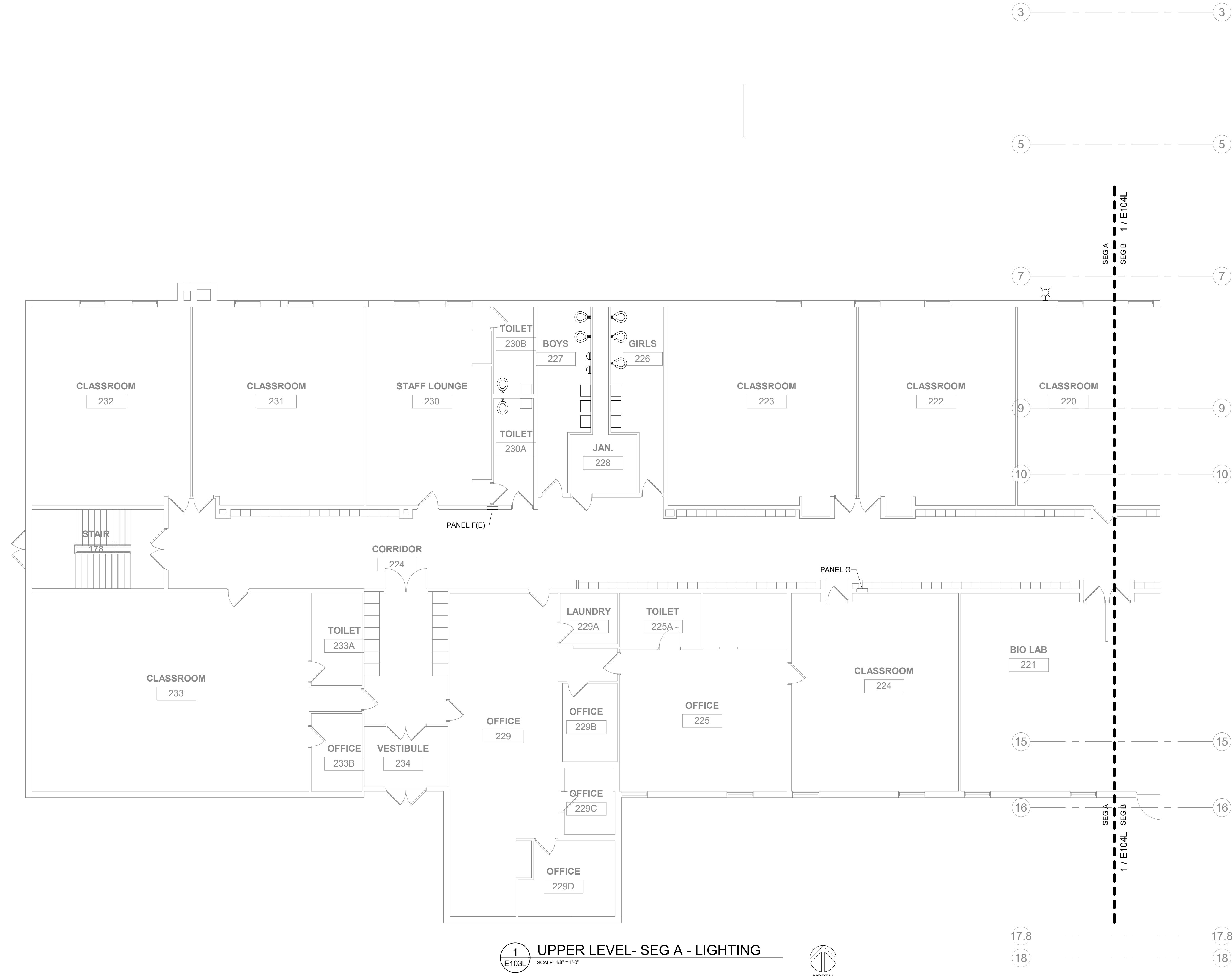
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1 UPPER LEVEL- SEG A - LIGHTING
E103L SCALE: 1/8" = 1'-0"



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Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: UPPER LEVEL - SEG A - LIGHTING

HSR Project Number: 18063
Project Date: 7-25-19
Drawn By: JDR
Key Plan:

KEY PLAN

Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

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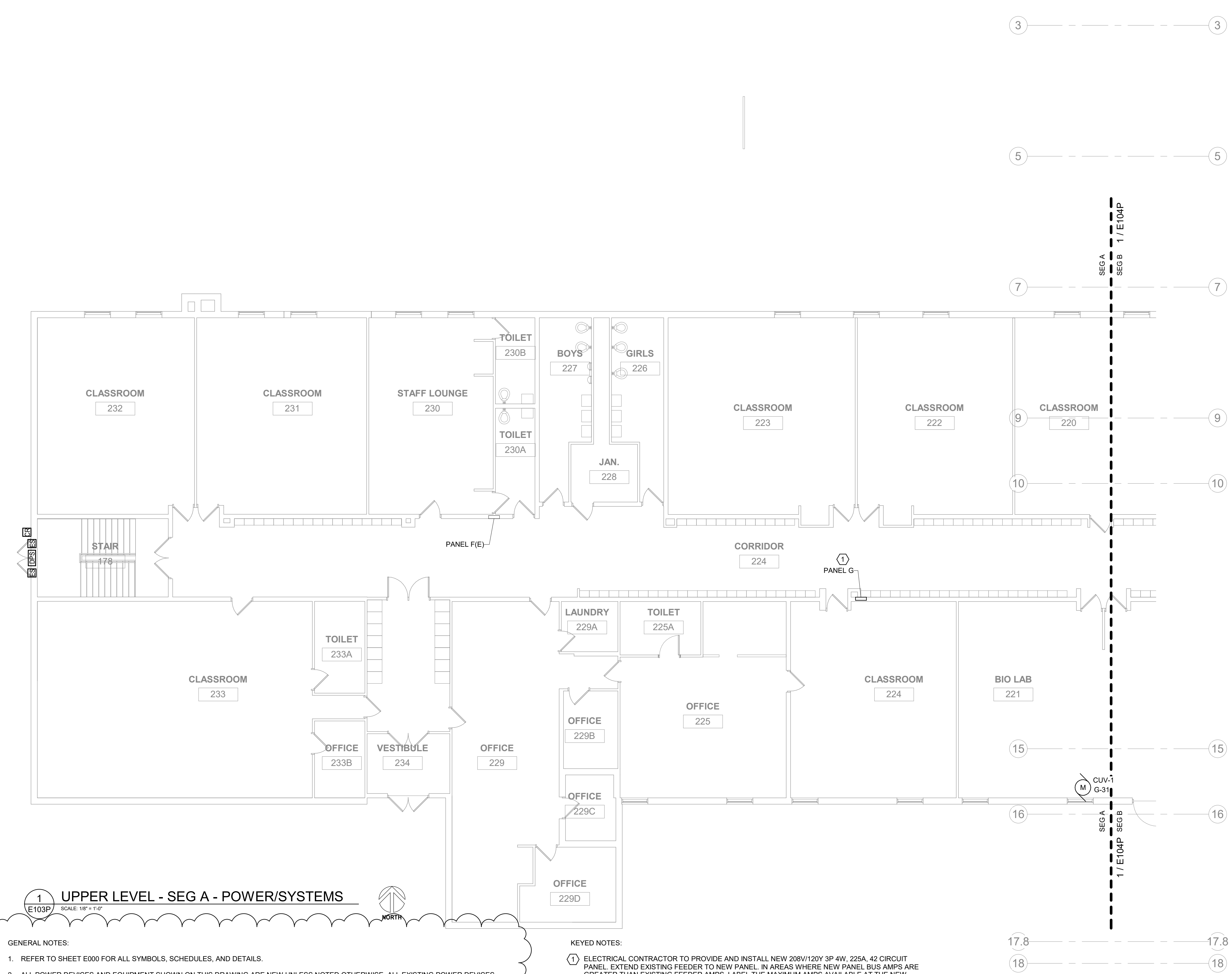
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- KEYED NOTES:
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Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL

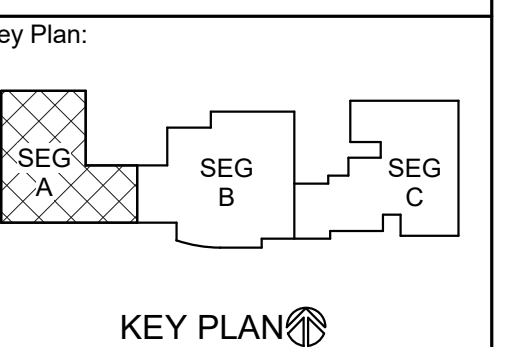
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949

Sheet Title: UPPER LEVEL - SEG A - POWER/SYSTEMS

HSR Project Number: 18063

Project Date: 7-25-19

Drawn By: JDR



Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:
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Last Update: 8/12/2019 5:12:43 PM

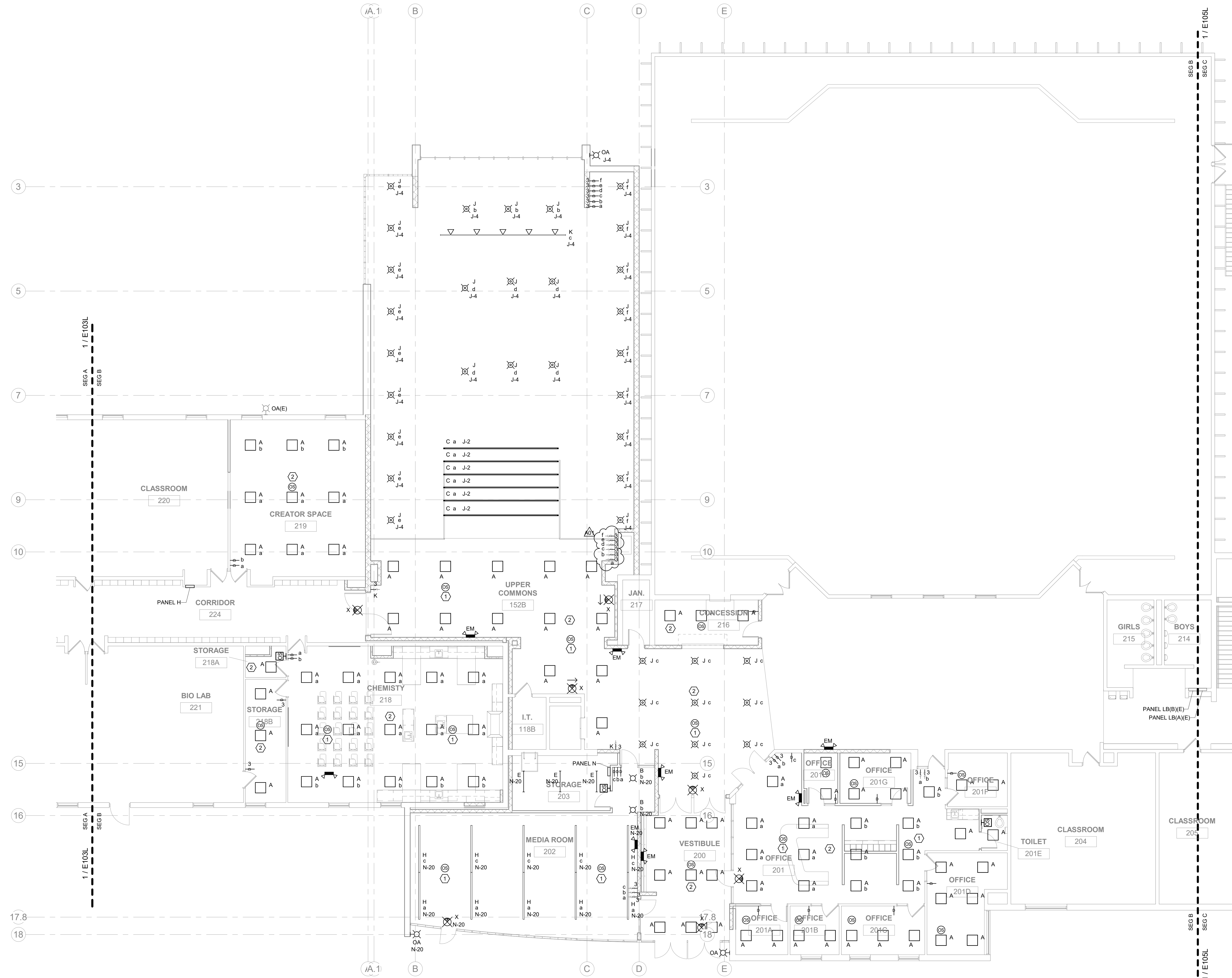
E103P



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JDR PROJECT NO. 19.0052

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Date: July 5, 2019 Lic. No.: 42791
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1 UPPER LEVEL - SEG B - LIGHTING
E104L SCALE: 1/8" = 1'-0"

GENERAL NOTES:
1. REFER TO SHEET E000 FOR ALL SYMBOLS, SCHEDULES, AND DETAILS.
2. REFER TO ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS FOR EXACT LOCATION AND COORDINATION OF ALL LIGHT FIXTURE INSTALLATIONS.
3. OCCUPANCY SENSOR LOCATIONS ARE SHOWN DIAGRAMMATIC ONLY. ACTUAL LOCATIONS TO BE DETERMINED IN FIELD PER MANUFACTURER'S RECOMMENDATIONS AND LAYOUT. PROVIDE A MINIMUM 4'-0" OF FLEX CONDUIT/WIRING SO SENSOR CAN BE FIELD ADJUSTED FOR PROPER COVERAGE DURING FINAL TESTING. FACTORY TRAINED PERSONNEL SHALL PERFORM THE FINAL TIME AND SENSITIVITY SETTINGS, COVERAGE AND/OR AIMING ADJUSTMENTS, AND TESTING. CEILING SENSOR RELAYS TO BE CONNECTED IN SERIES WITH ALL OTHER LIGHTING CONTROLS IN EACH ROOM. DAYLIGHT SENSORS SHALL BE CONNECTED TO ALL FIXTURES WITHIN CODE DEFINED DAYLIGHTING ZONES. LIGHT LEVEL CHANGES SHALL BE GRADUAL (NOT STEPPED).

KEYED NOTES:
① WIRE SENSOR IN PARALLEL WITH OTHER SENSOR(S) IN THE AREA.
② CONNECT NEW LIGHTING TO EXISTING CIRCUITS. REVISE SWITCHING AS REQUIRED.

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
204 KIRKWOOD ST EAST
LANESBORO, MN 55949
UPPER LEVEL - SEG B - LIGHTING

Project Number: 18063
Project Date: 7-25-19
Drawn By: JDR
Key Plan:

KEY PLAN

Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:
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Last Update:
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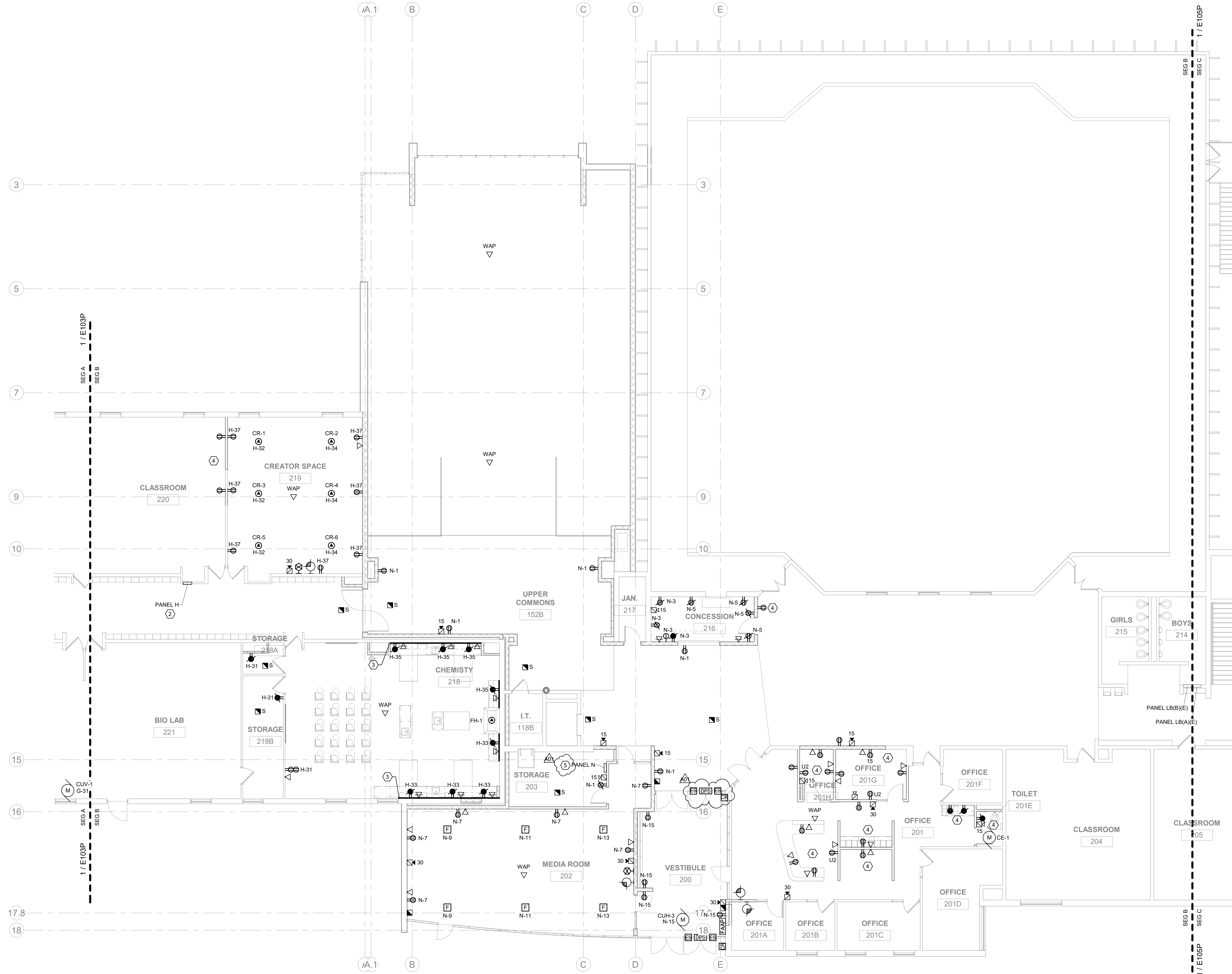
E104L



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1 UPPER LEVEL - SEG B - POWER/SYSTEMS
SCALE: 1/8" = 1'-0"
NORTH

- GENERAL NOTES:**
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 - ALL POWER DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING ARE NEW UNLESS NOTED OTHERWISE. ALL EXISTING POWER DEVICES, EQUIPMENT, ETC. ARE TO REMAIN IN SERVICE AND BE RECONNECTED TO NEW CIRCUIT BREAKERS IN ORIGINATING PANELS. OR REMAIN ON CIRCUITS WHERE EXISTING PANELS REMAIN AS-IS. EXISTING CIRCUITS ORIGINATING FROM PANELS BEING REMOVED SHALL BE EXTENDED TO PANELS SERVING THE DESIGNATED AREA. SEE PANEL SCHEDULES ON E800 SERIES DRAWINGS. WHERE PRACTICAL, CONNECT EXISTING CIRCUITS AS INDICATED ON THESE SCHEDULES.
 - USE OF MULTIWIRE BRANCH CIRCUITS SERVING NEW BRANCH CIRCUITS IS NOT PERMITTED. WHERE EXISTING MULTIWIRE BRANCH CIRCUITS ARE BEING REUSED, LOCATED THE CIRCUITS ON ADJACENT BREAKERS AND PROVIDE IDENTIFIED HANDLE TIES AND GROUP CONDUCTORS WITHIN PANEL PER NEC 210.4 REQUIREMENTS.
 - ALL FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING ARE NEW UNLESS NOTED OTHERWISE. ALL EXISTING FIRE ALARM DEVICES, EQUIPMENT, ETC. ARE TO REMAIN IN SERVICE AND BE RECONNECTED TO NEW FIRE ALARM CONTROL PANEL OR ASSOCIATED NAC EXTENDER PANELS AT THEIR NEW LOCATION.
 - FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING INDICATES GENERAL PROJECT INTENT. THE ELECTRICAL CONTRACTOR'S FIRE ALARM SYSTEM VENDOR IS RESPONSIBLE FOR QUANTITIES, LAYOUT, DESIGN AND CALCULATIONS OF THEIR SPECIFIC EQUIPMENT TO PROVIDE A COMPLETE FUNCTIONAL, CODE COMPLYING SYSTEM APPROVED BY THE LOCAL AHJ.
 - A NEW SIMPLEX FIRE ALARM SYSTEM IS BEING PROVIDED IN THE BUILDING BY THE OWNER/SIMPLEX. ANY/all EXISTING FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS SHALL BE DISCONNECTED AND REMOVED. PROVIDE NEW FIRE ALARM DEVICES WITHIN THE RENOVATED AREAS FED FROM THE NEW SIMPLEX SYSTEM. REFER TO KEYED NOTE #2 ON SHEET E000P FOR FURTHER INFORMATION. FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS PLAN INDICATE GENERAL PROJECT INTENT. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR EXACT QUANTITIES, LAYOUT, DESIGN, AND CALCULATIONS BASED ON SPECIFIC EQUIPMENT TO BE PROVIDED. IN ORDER TO PROVIDE A COMPLETE AND FUNCTIONAL, CODE COMPLIANT SYSTEM APPROVED BY THE LOCAL AHJ, ANY/all REQUIRED SUBMITTALS/REVIEWS TO LOCAL AUTHORITIES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
 - PROVIDE ROUGH-IN FOR ALL LOW VOLTAGE SYSTEMS DEVICES WITHIN THE ADDITIONS/RENOVATED AREAS AS SHOWN ON THIS PLAN AND AS REQUIRED. THIS INCLUDES, BUT IS NOT LIMITED TO, AV SYSTEMS, TELECOMMUNICATIONS, INTERCOM, CLOCKS, CATV, SECURITY, AND CCTV. COORDINATE ALL LOW VOLTAGE SYSTEMS LOCATIONS AND REQUIREMENTS WITH OWNER TO CONFIRM COMPLETE SCOPE OF WORK. IN ADDITION, PROVIDE AC POWER CONNECTIONS TO LOW VOLTAGE SYSTEMS EQUIPMENT AS REQUIRED.

- KEYED NOTES:**
- ELECTRICAL CONTRACTOR TO MOUNT WEATHER PROOF GFCI RECEPTACLE ON ROOF MOUNTED HVAC EQUIPMENT.
 - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW 208V/120Y 3P 4W, 225A, 42 CIRCUIT PANEL. EXTEND EXISTING FEEDER TO NEW PANEL. IN AREAS WHERE NEW PANEL BUS AMPS ARE GREATER THAN EXISTING FEEDER AMPS, LABEL THE MAXIMUM AMPS AVAILABLE AT THE NEW PANEL. COORDINATE EXACT LOCATION WITH OWNER.
 - ELECTRICAL CONTRACTOR TO PROVIDE SURFACE DIVIDED RACEWAY EQUAL TO LEGRAND WIREMOLD V6000 SERIES.
 - CONNECT NEW RECEPTACLES TO EXISTING RECEPTACLE CIRCUITS.
 - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW 208V/120Y 3P 4W, 225A, 42 CIRCUIT PANEL. REFER TO E600 FOR MORE INFORMATION.

LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
Project Title:
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: UPPER LEVEL - SEG B - POWER/SYSTEMS

HSR Project Number: 18063
Project Date: 7-25-19
Drawn By: JDR
Key Plan:

KEY PLAN

Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:
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Last Update:
8/13/2019 11:04:51 AM

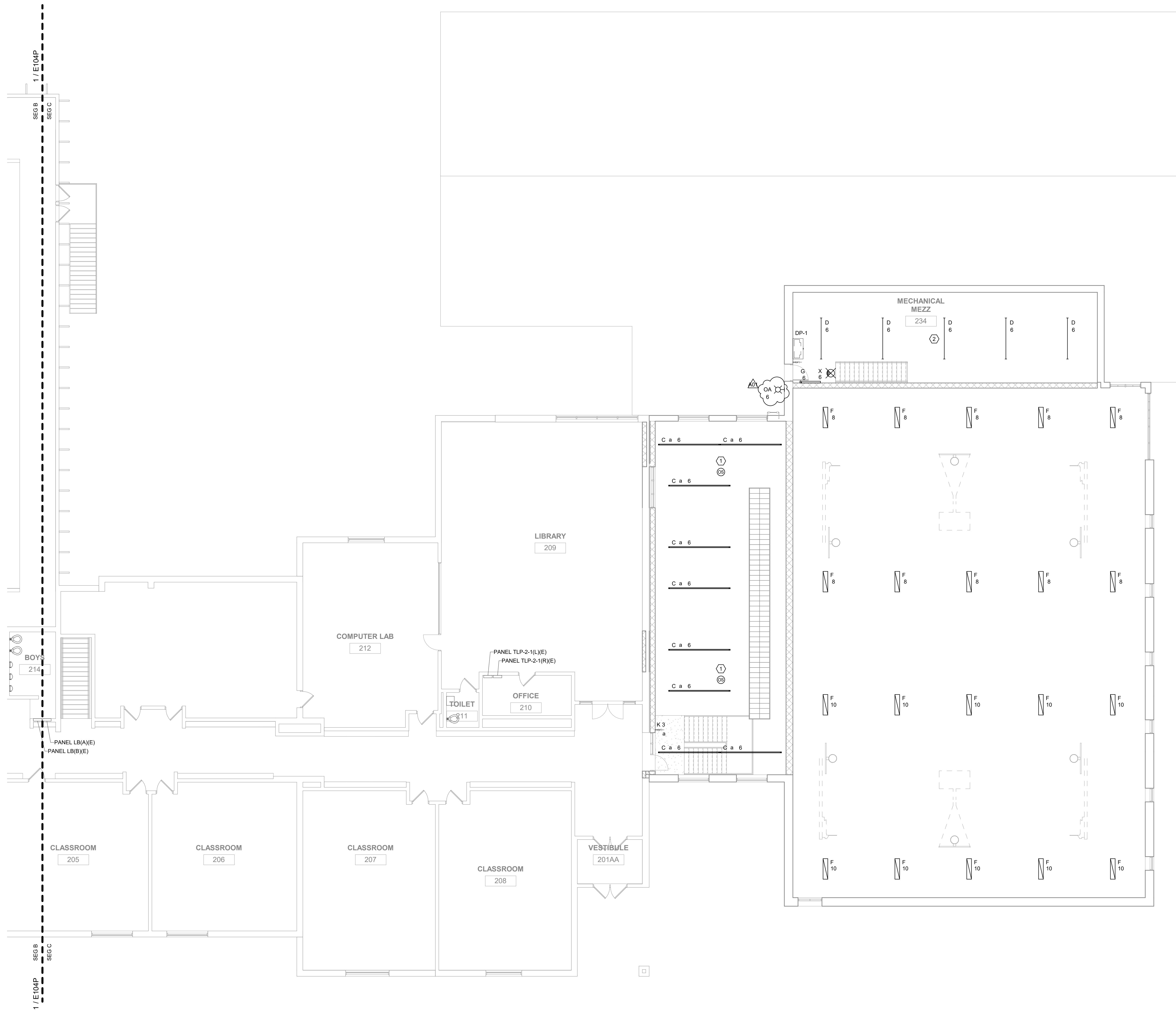
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JDR PROJECT NO. 19.0052

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1 UPPER LEVEL- SEG C - LIGHTING



- GENERAL NOTES:
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 - ALL NEW LIGHTING CIRCUITS SHOWN ARE FED FROM NEW PANEL 'L' UNLESS NOTED OTHERWISE.

- KEYED NOTES:
- WIRE SENSOR IN PARALLEL WITH OTHER SENSOR(S) IN THE AREA.
 - LIGHT FIXTURE LAYOUT IN MECHANICAL MEZZANINE TO BE DETERMINED IN THE FIELD ONCE ALL EQUIPMENT IS INSTALLED.

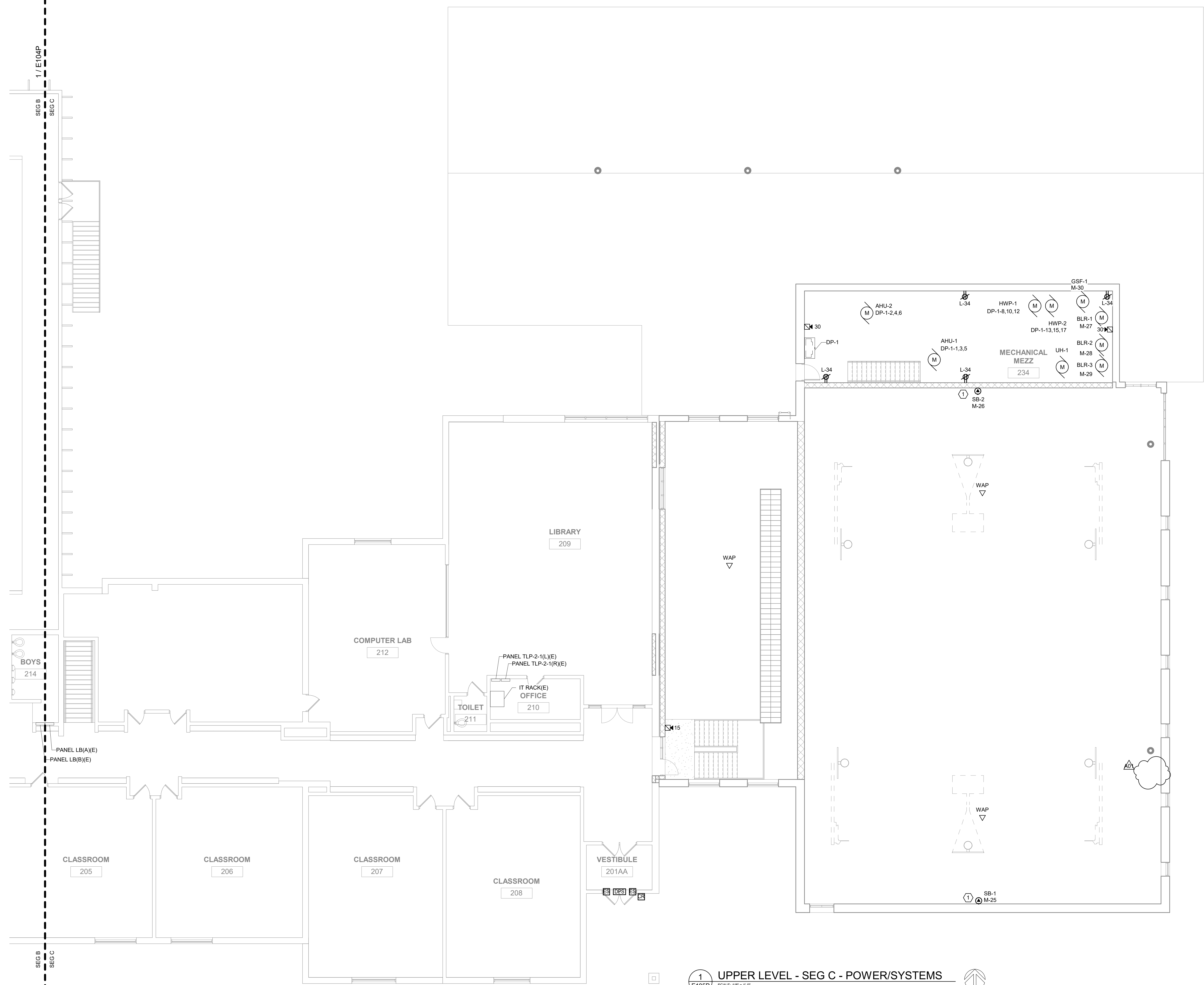
Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: UPPER LEVEL - SEG C - LIGHTING

HSR Project Number: 18063
Project Date: 7-25-19
Drawn By: JDR
Key Plan: [Diagram showing SEG A, SEG B, and SEG C]

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: VARIES
Last Update: 8/12/2019 5:02:24 PM

E105L



1 UPPER LEVEL - SEG C - POWER/SYSTEMS
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

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KEYED NOTES:

- ELECTRICAL CONTRACTOR TO COORDINATE SCORE BOARD REQUIREMENTS AND LOCATION WITH OWNER.



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LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL

Project Location: **204 KIRKWOOD ST EAST**
LANESBORO, MN 55949

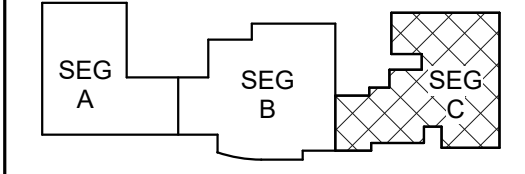
UPPER LEVEL - SEG C - POWER/SYSTEMS

HSR Project Number: **18063**

Project Date: **7-25-19**

Drawn By: **JDR**

Key Plan:



KEY PLAN

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:
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Last Update: **8/12/2019 5:02:26 PM**

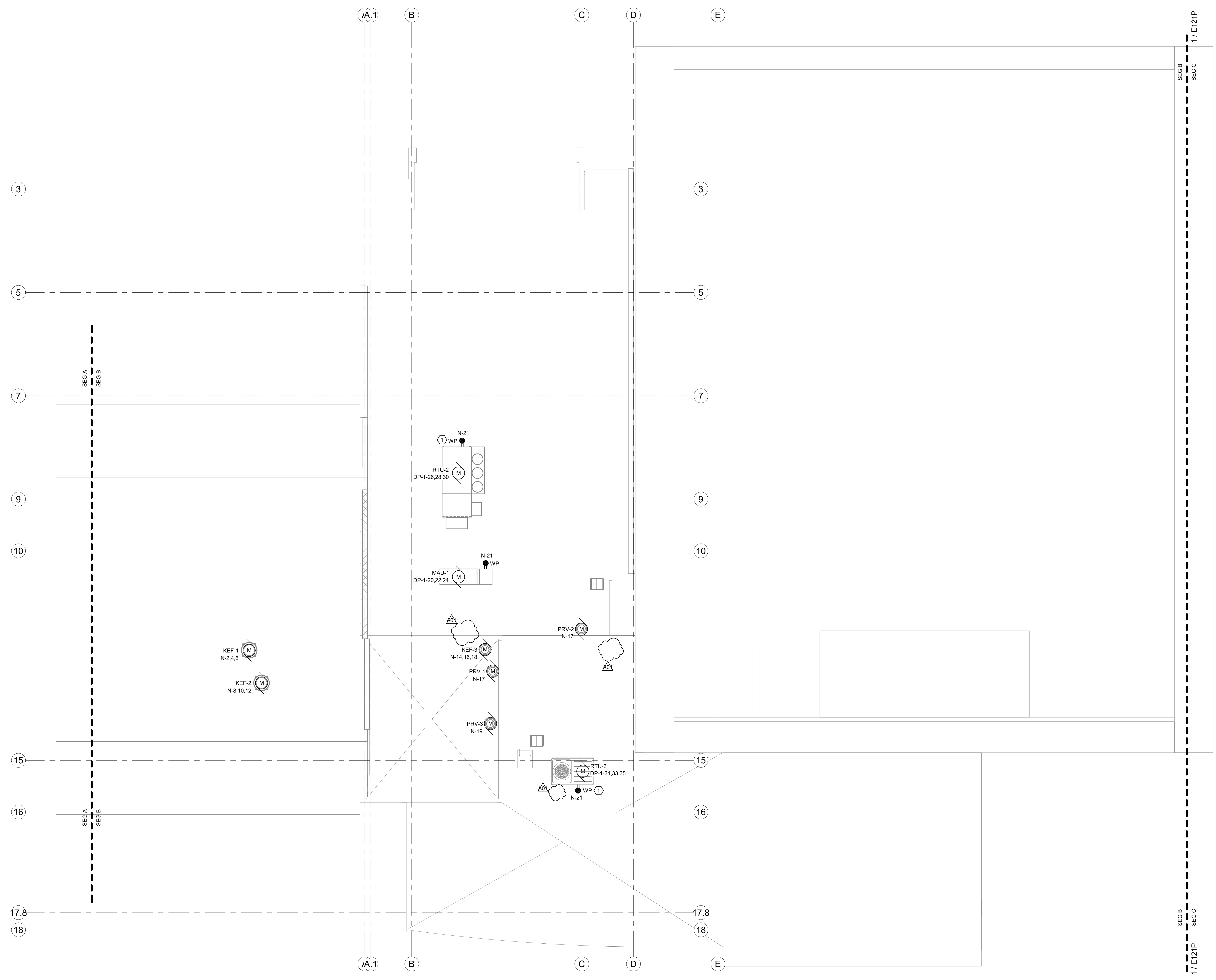
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1 ROOF - SEG B - POWER/SYSTEMS
E120P SCALE: 1/8" = 1'-0"
NORTH

GENERAL NOTES:
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KEYED NOTES:
① ELECTRICAL CONTRACTOR TO MOUNT WEATHER PROOF GFCI RECEPTACLE ON ROOF MOUNTED HVAC EQUIPMENT.

Project Title: LANESBORO PUBLIC SCHOOLS
ADDITION & REMODEL
Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949
Sheet Title: ROOF PLAN - SEG B - POWER/SYSTEMS

HSR Project Number: 18063
Project Date: 7-25-19
Drawn By: JDR
Key Plan: [KEY PLAN INSET]

Revisions:

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale:
0' 2' 4' 8' 12'

Last Update: 8/12/2019 5:02:28 PM

E120P



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Project Title: LANESBORO PUBLIC SCHOOLS

ADDITION & REMODEL

Project Location: 204 KIRKWOOD ST EAST
LANESBORO, MN 55949

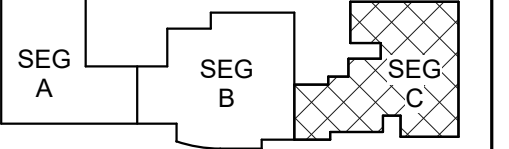
Sheet Title: ROOF PLAN - SEG C - POWER/SYSTEMS

HSR Project Number: 18063

Project Date: 7-25-19

Drawn By: JDR

Key Plan:



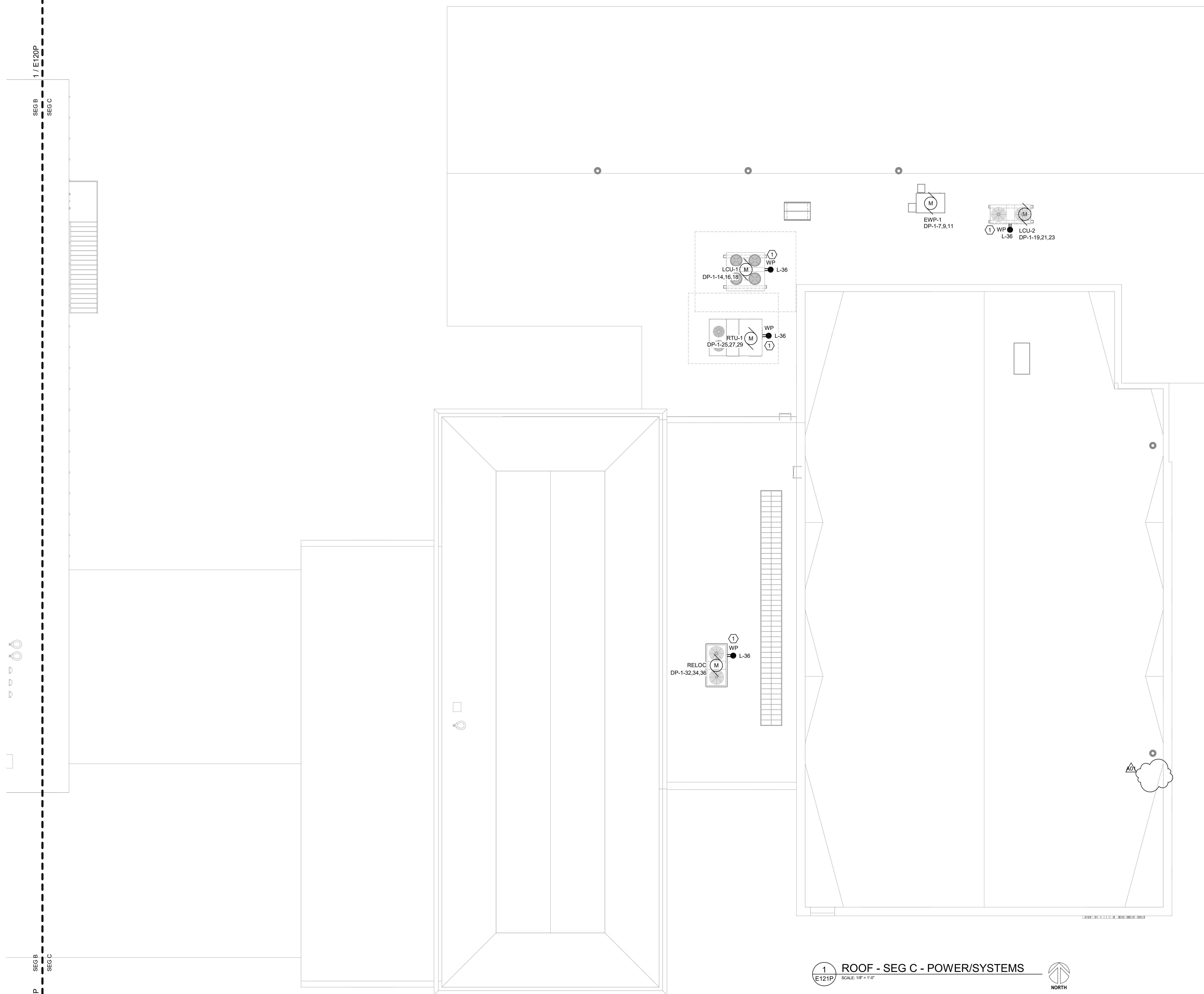
KEY PLAN

No.	Description	Date
A01	ADDENDUM #01	8-13-19

Graphic Scale: 0' 2' 4' 8' 12'

Last Update: 8/12/2019 5:02:29 PM

E121P



1 ROOF - SEG C - POWER/SYSTEMS
SCALE: 1/8" = 1'-0"
NORTH

GENERAL NOTES:

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KEYED NOTES:

- ELECTRICAL CONTRACTOR TO MOUNT WEATHER PROOF GFCI RECEPTACLE ON ROOF MOUNTED HVAC EQUIPMENT.

1 / E120P
SEG B
SEG C
1 / E120P
SEG B
SEG C

