

**DOCUMENT 00 90 00  
ADDENDUM**

**ADDENDUM NO. [1]                      Date: March 18, 2020**

**RE:                      LA CRESCENT - HOKAH PUBLIC SCHOOLS  
ELEMENTARY SCHOOL ADDITION AND RENOVATION  
504 S OAK ST  
LA CRESCENT, MN 55947  
HSR 19014**

**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 March 2020. 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 [4] pages, Pre-bid attendance, and [25] 30 x 42 drawings.

**CHANGES TO BIDDING REQUIREMENTS AND CONDITIONS OF THE CONTRACT:**

1. Pre-bid attendance attached hereto

**CHANGES TO SPECIFICATIONS:**

1. Section 07 21 19 FOAMED-IN-PLACE INSULATION
  - a. 2.01, A: Delete "open" from first sentence. Spray foam shall be closed cell only.
  - b. 2.01, A, 1: Change R-value from "5" to "7".
2. Section 23 09 14 ELECTRIC INSTRUMENTATION AND CONTROL DEVICES FOR HVAC
  - a. 1.02 Description of the Work: Replace Article with the following:
    - A. Install a complete new direct digital control system with electronic/electric actuation of all valves and dampers as specified herein and shown on the reference drawings.
    - B. All work shown on plans is Base Bid including the new air handling units (AHU-1, AHU-2 and AHU-3), new boilers (B-1 and B-2), new hot water pumps (P-1 and P-2), new make-up air unit (MAU-1), and new rooftop units (RTU-1 thru RTU-7)
    - C. This project will require a balance (by Balancing Contractor) of all air and water flow for the entire facility upon completion of the new control system installation.
3. Section 23 09 23 DIRECT DIGITAL CONTROL SYSTEM FOR HVAC
  - a. 2.02, A, 1: After paragraph 1 add the following acceptable manufacturers; Automated Logic, Alerton, Invenys, Trane, American Auto-Matrix, Andover and Siemens.

## CHANGES TO DRAWINGS

4. Sheet C101 LAYOUT PLAN 30 x 42 attached hereto
  - a. Revisions clouded on Drawing.
  - b. Pavement mix revised at 1C101.
5. Sheet C104 UTILITY PLAN 30 x 42 attached hereto
  - a. Revisions clouded on Drawing.
  - b. Revision to Cleanout Schedule.
6. Sheet A093 FIRST FLOOR REMOVAL PLAN – SEGMENT C 30 x 42 attached hereto
  - a. Revisions clouded on Drawing.
  - b. Revision to removal note 26.
  - c. CO2 sensor shall be installed in return air for RTU-7.
7. Sheet P000 – Symbols, Abbreviations & Schedules – Plumbing 30 x 42 attached hereto
  - a. Revise fixture unit values on Plumbing Fixture Schedule, as shown.
  - b. Revise expansion tank ET-1 model info, as shown.
8. Sheet P093 – First Floor Removal Plan – Plumbing – Area C 30 x 42 attached hereto
  - a. Add existing piping for wall hydrants, and storm piping, as shown.
9. Sheet P094 – Second Floor Removal Plan – Plumbing – Area A & C 30 x 42 attached hereto
  - a. Revise locations of existing storm piping, as shown.
10. Sheet P100 – Underfloor Plan – Plumbing – Area A 30 x 42 attached hereto
  - a. Add utilities for future greenhouse, as shown.
  - b. Add sanitary for EWC, as shown.
  - c. Revise sanitary size, as shown.
11. Sheet P101 – Bsmt/Underfloor Plan – Plumbing – Area B & C 30 x 42 attached hereto
  - a. Revise waste and vent for mop basin above, as shown.
12. Sheet P102 – First Floor Plan – Plumbing – Area A 30 x 42 attached hereto
  - a. Add wall hydrants WH-1 and piping, as shown.
  - b. Add EWC and piping, as shown.
13. Sheet P103 – First Floor Plan – Plumbing – Area B & C 30 x 42 attached hereto
  - a. Add wall hydrants WH-1 and piping, as shown.
  - b. Add existing storm piping, as shown.
  - c. Revise waste and vent for mop basin, as shown.
  - d. Add note for gas connection to HVAC equipment, as shown.
14. Sheet P300 – Waste & Vent Isometric – South 30 x 42 attached hereto
  - a. Add fixture labels and note in kitchen area, as shown.
15. Sheet P303 – Domestic Water Isometric – South 30 x 42 attached hereto
  - a. Add wall hydrants WH-1 and piping, as shown.
  - b. Add EWC and piping, as shown.
  - c. Add fixture labels and not in kitchen area, as shown.
16. Sheet P304 – Domestic Water Isometric – Northwest 30 x 42 attached hereto
  - a. Add wall hydrants WH-1 and piping, as shown.
17. Sheet P305 – Domestic Water Isometric – Northeast 30 x 42 attached hereto
  - a. Add wall hydrants WH-1 and piping, as shown.
18. M102 – LEVEL 1 DUCTWORK REMODEL PLAN - AREA B 30 x 42 attached hereto
  - a. Revisions clouded on Drawing.
  - b. Duct Smoke Detector included in return of RTU-1.

19. M103 – LEVEL 1 DUCTWORK REMODEL PLAN - AREA 'C' 30 x 42 attached hereto
  - a. Revisions clouded on Drawing
  - b. Stand support for RTU-7 shall be provided by General Contractor.
  - c. Duct Smoke Detector included in return of RTU-7.
  - d. CO2 sensor shall be installed in return air for RTU-7.
20. Sheet E000 – Symbols, Abbreviations & Details – Electrical 30 x 42 attached hereto
  - a. Revise Communications Device Schedule, as shown.
  - b. Revise Audio Enhancement Device Schedule, as shown.
21. Sheet E102L – First Floor – Lighting – Area A 30 x 42 attached hereto
  - a. Add keyed note #5 and lighting control system with astronomical time clock, as shown.
22. Sheet E102P – First Floor – Power & Systems – Area A 30 x 42 attached hereto
  - a. Revise speaker connection callouts in all areas, as shown.
  - b. Add floor box connections in Library 160, as shown.
23. Sheet E103P – First Floor – Power & Systems – Area B 30 x 42 attached hereto
  - a. Revise speaker connection callouts in all areas, as shown.
24. Sheet E104P – First Floor – Power & Systems – Area C 30 x 42 attached hereto
  - a. Revise speaker connection callouts in all areas, as shown.
25. Sheet E105P – Second Floor – Power & Systems – Area A 30 x 42 attached hereto
  - a. Revise speaker connection callouts in all areas, as shown.
26. Sheet E106P – Second Floor – Power & Systems – Area B 30 x 42 attached hereto
  - a. Revise speaker connection callouts in all areas, as shown.
27. Sheet E107P – Second Floor – Power & Systems – Area C 30 x 42 attached hereto
  - a. Revise speaker connection callouts in all areas, as shown.
28. Sheet E801 – Panel Schedules – Electrical 30 x 42 attached hereto
  - a. Revise panel schedules for Panel A1C, as shown.

#### **PRIOR APPROVALS**

1. Section 04 20 00 UNIT MASONRY
  - a. 2.05, B: York 304 Adhered Flexible Stainless Steel Flashing. (This is not a substitute for stainless steel flashing specified elsewhere)
2. Section 07 42 13 METAL WALL PANELS
  - a. Metal Sales Manufacturing Corp: TL-17 and TL17-D
3. Section 10 22 39 FOLDING PANEL PARTITIONS
  - a. Moderco; Signature 843E
4. Section 22 30 00 PLUMBING EQUIPMENT
  - a. Expansion Tanks:
    - i. Elbi: HTL-400 Hydronic Expansion Tanks.
5. Section 23 52 33 CONDENSING BOILERS
  - a. Bryan Boilers: BFIT-3000

**END OF DOCUMENT 00 90 00**

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# "SIGN-IN" SHEET

PROJECT: La Crescent MS/ HS and Elementary School

HSR NO.: 19014 DATE: March 13, 2020 at 10:00 a.m.

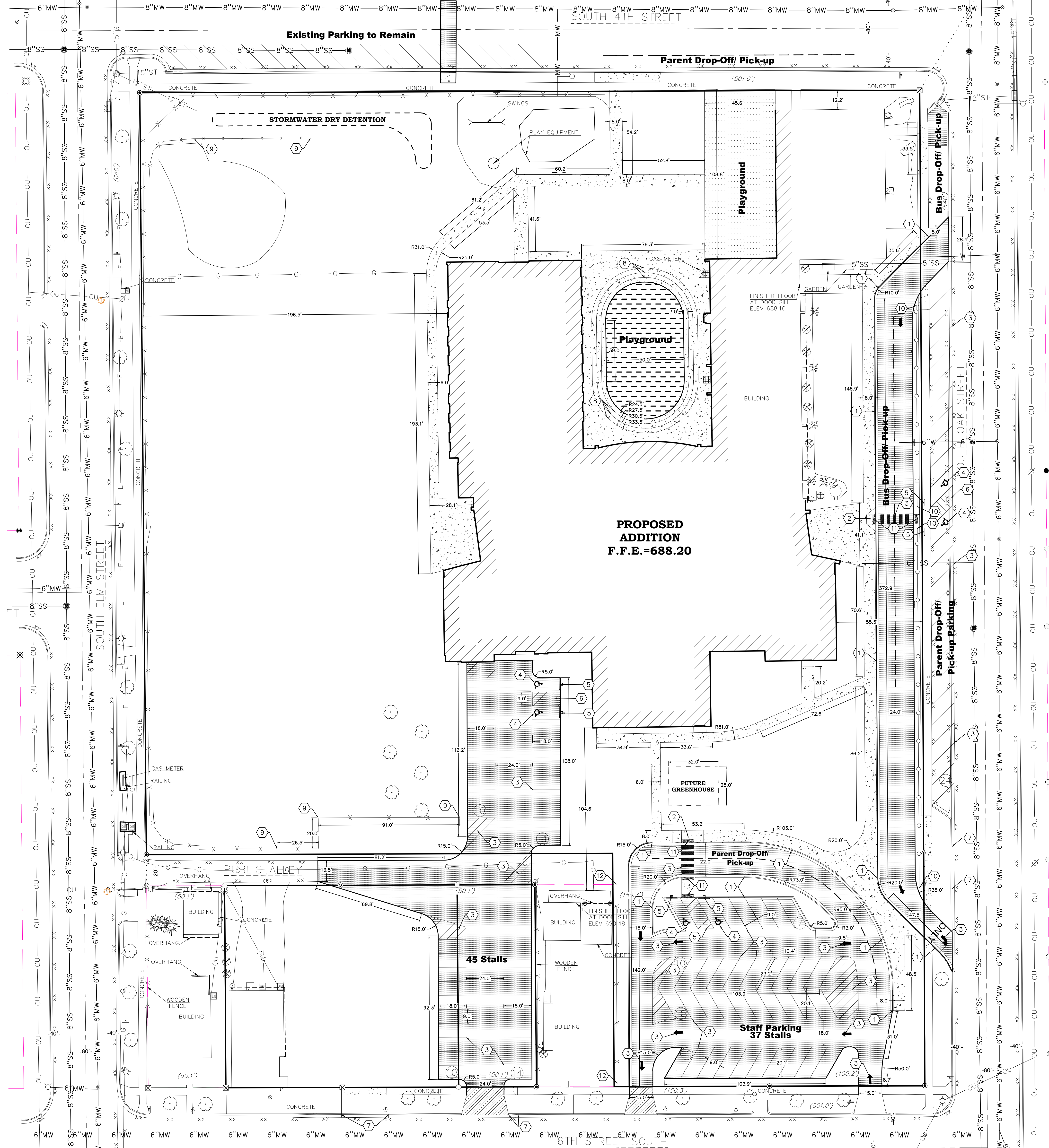


Celebrating 65 Years of Innovative Design  
 100 Milwaukee Street 608.784.1830  
 La Crosse, WI 54603 www.hsrassociates.com

**PLEASE PRINT ALL INFORMATION CLEARLY**

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| Bob Yahnke                      | Olympic Builders                     | office@olympicbuilders-gc.com        | 608-526-4622 |
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| JIM FOWLER                      | FOWLER + HAMMER                      | j.fowler@fowlerhammer.com            | 608-782-6849 |
| Chris Nelson                    | Schumacher Elevator                  | Chris.Nelson@SchumacherElevators.com | 507 429 5611 |
| Kevin Dallas                    | MARKET + JOHNSON                     | Kdallas@market-johnson.com           | 715-834-1213 |
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|                                 |                                      |                                      |              |
|                                 |                                      |                                      |              |
|                                 |                                      |                                      |              |





**BENCH MARK**  
ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.  
BENCHMARK #1  
TOP OF FLANGE BOLT ON HYDRANT  
SOUTH EDGE OF SOUTH 4TH ST APPROXIMATELY 250FT EAST OF SOUTH OAK ST  
ELEVATION = 688.10  
BENCHMARK #2  
TOP OF FLANGE BOLT ON HYDRANT  
EAST EDGE OF SOUTH OAK ST APPROXIMATELY 45 FT SOUTH OF SOUTH 4TH ST  
ELEVATION = 688.15  
BENCHMARK #3  
TOP OF POWER POLE  
SOUTHWEST CORNER OF SCHOOL, SOUTH EDGE OF ALLEY APPROX. 290 FT WEST OF S. OAK ST  
ELEVATION = 688.72  
BENCHMARK #4  
TOP OF POWER POLE  
EAST EDGE OF SOUTH OAK ST APPROXIMATELY 180 FT NORTH OF 6TH ST SOUTH  
ELEVATION = 692.08  
BENCHMARK #5  
TOP OF FLANGE BOLT ON HYDRANT  
EAST EDGE OF SOUTH 4TH ST APPROXIMATELY 320 FT SOUTH OF SOUTH 4TH STREET  
ELEVATION = 687.83

**UTILITY DISCLAIMER**  
THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOWN HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS. PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE WITH PROSPECT THAT ADDITIONAL UTILITY LINES NOT DISCOVERED, OR MARKED, DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS BY OTHERS, AND/OR AS-BUILT PLANS PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

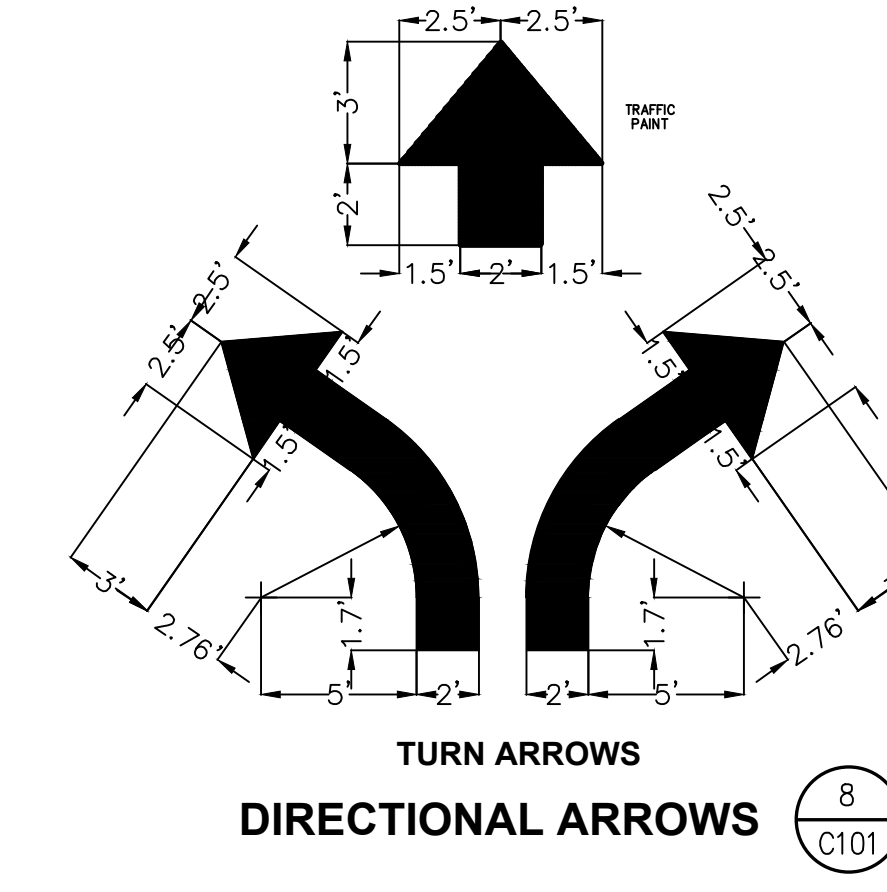
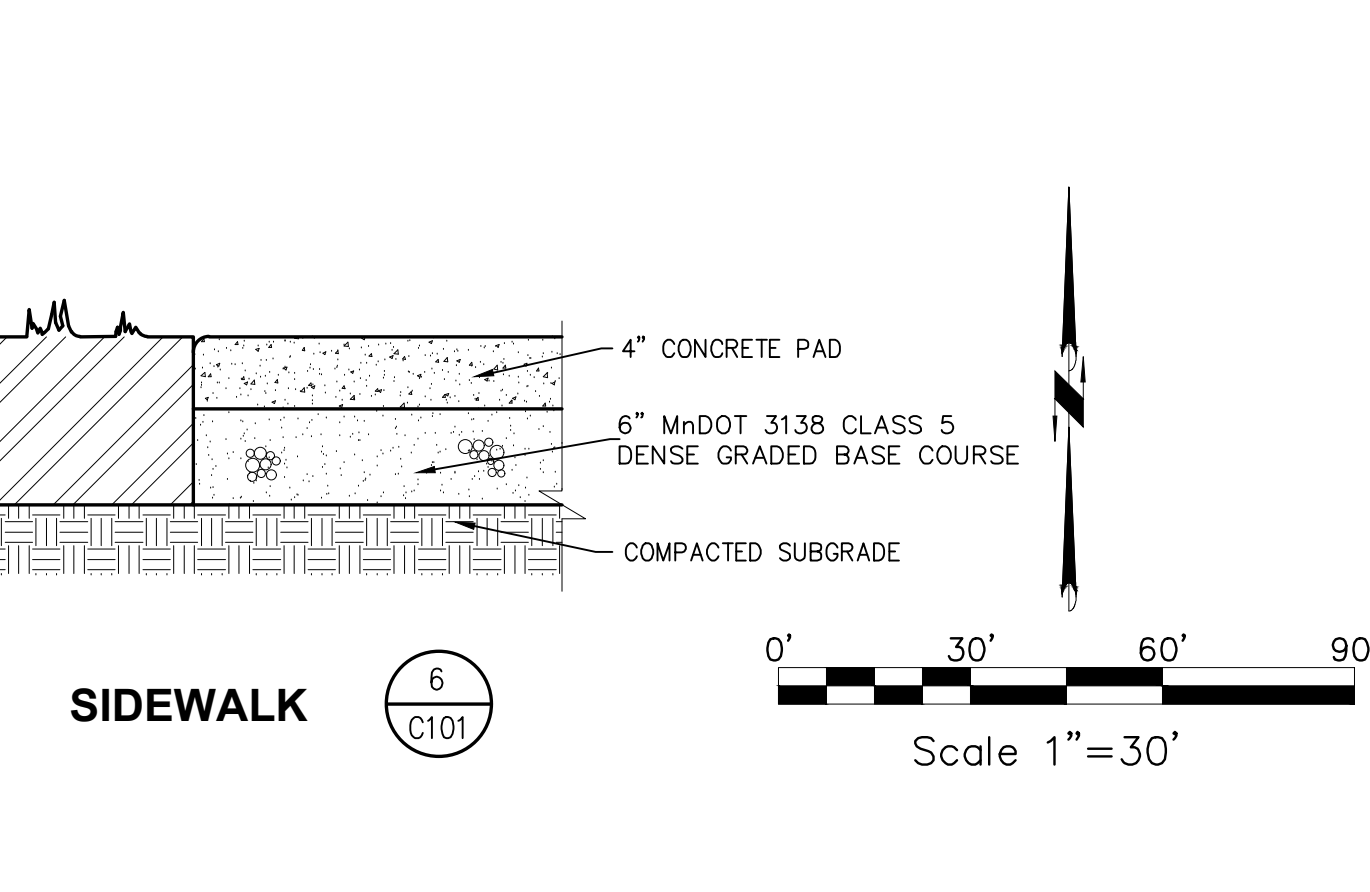
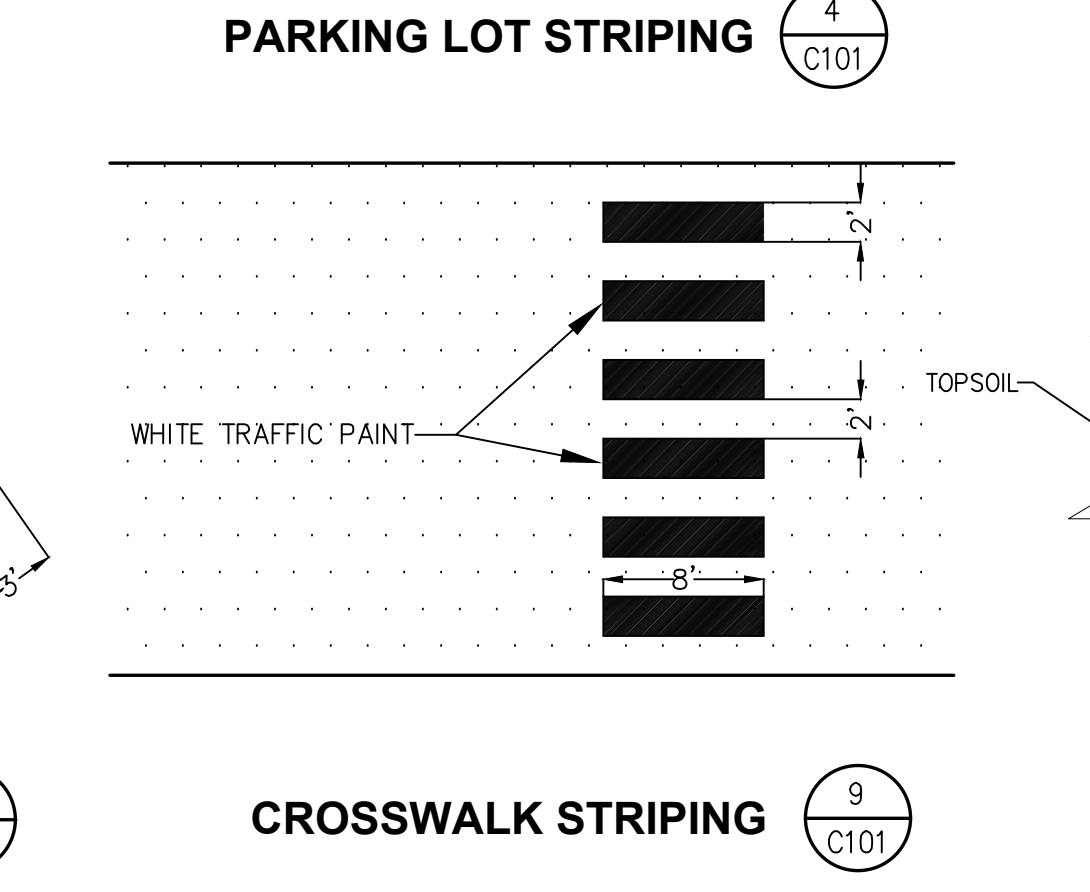
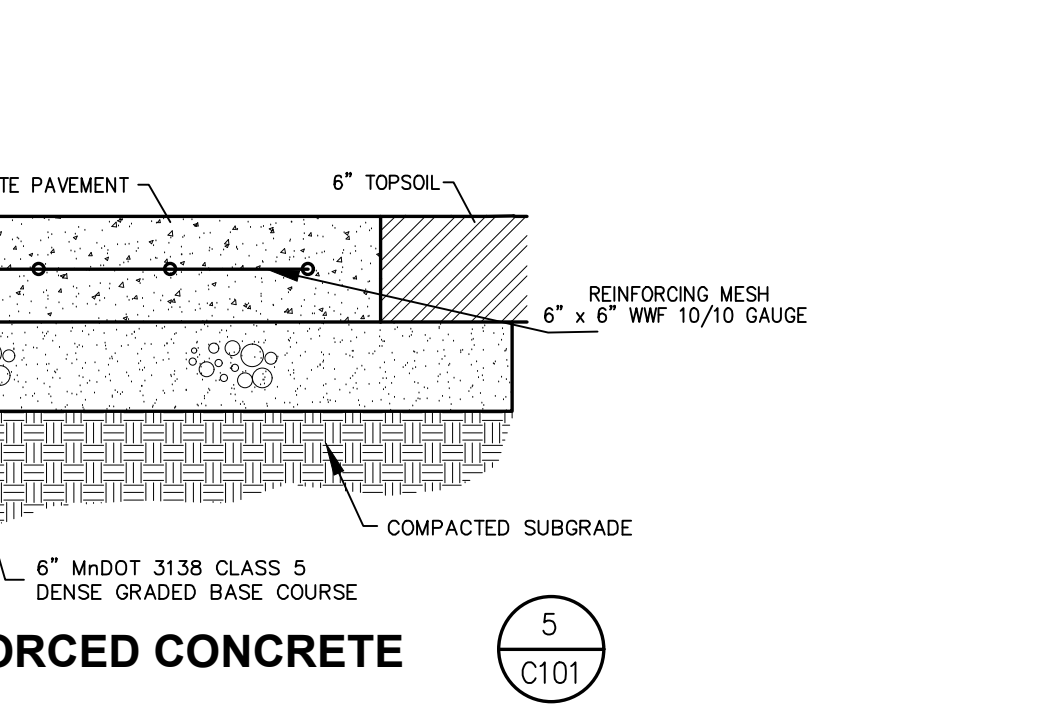
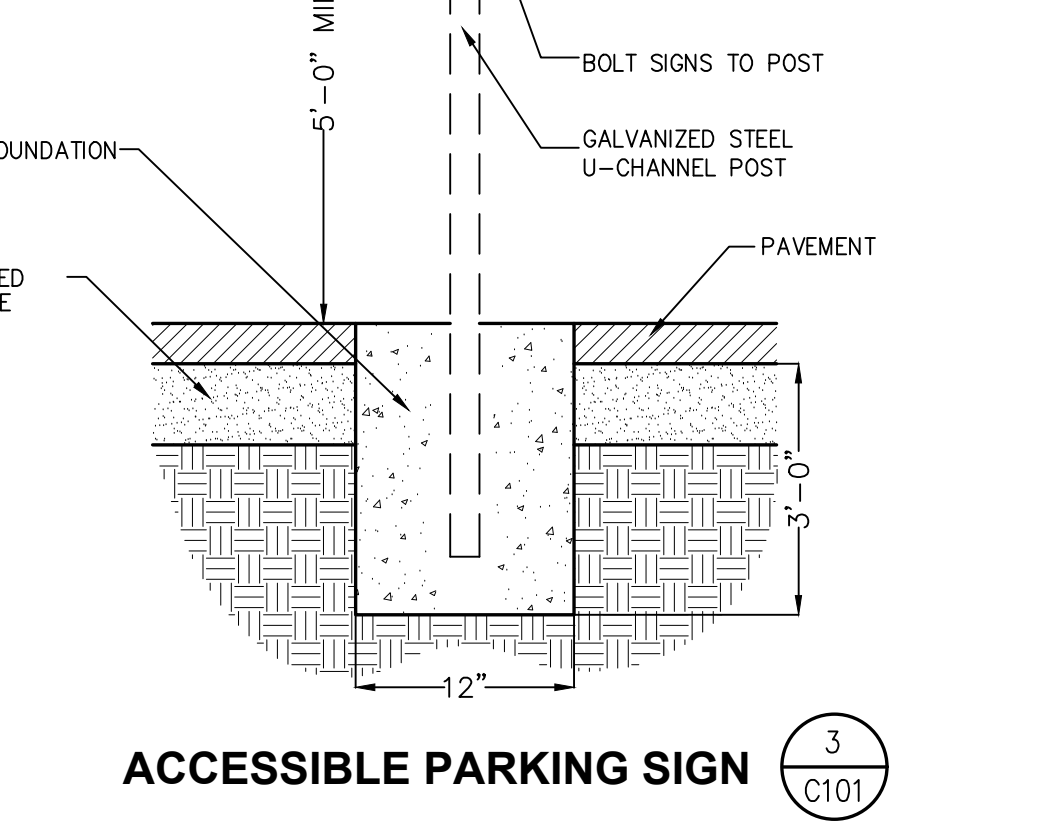
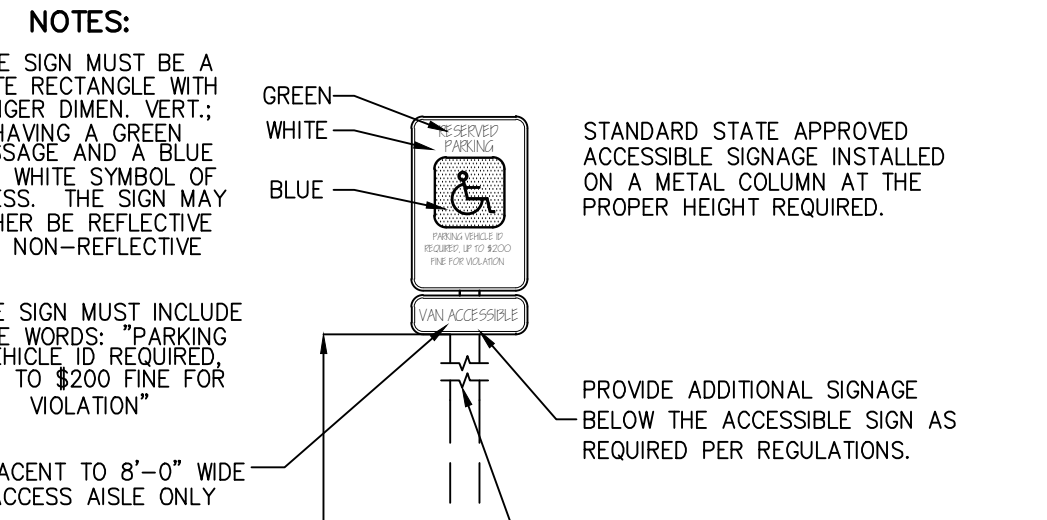
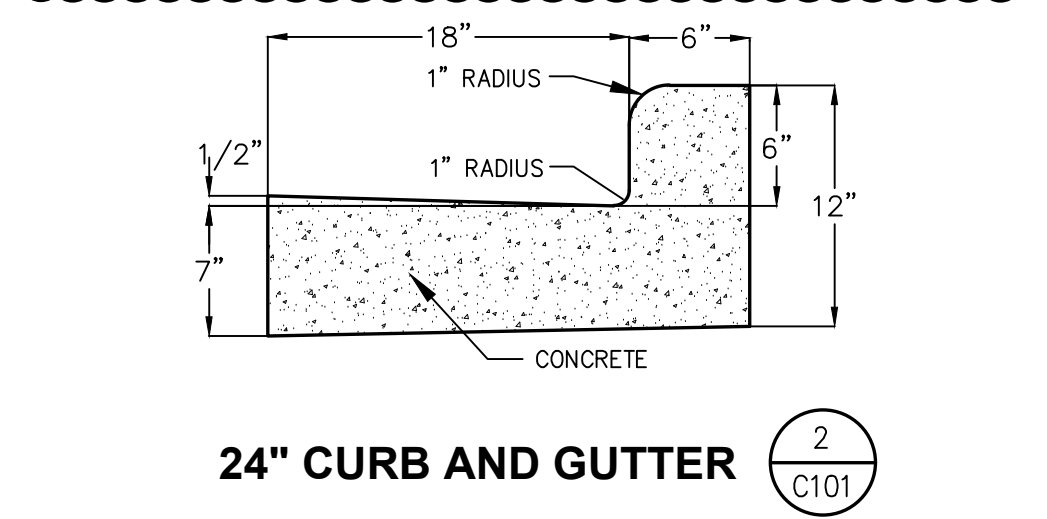
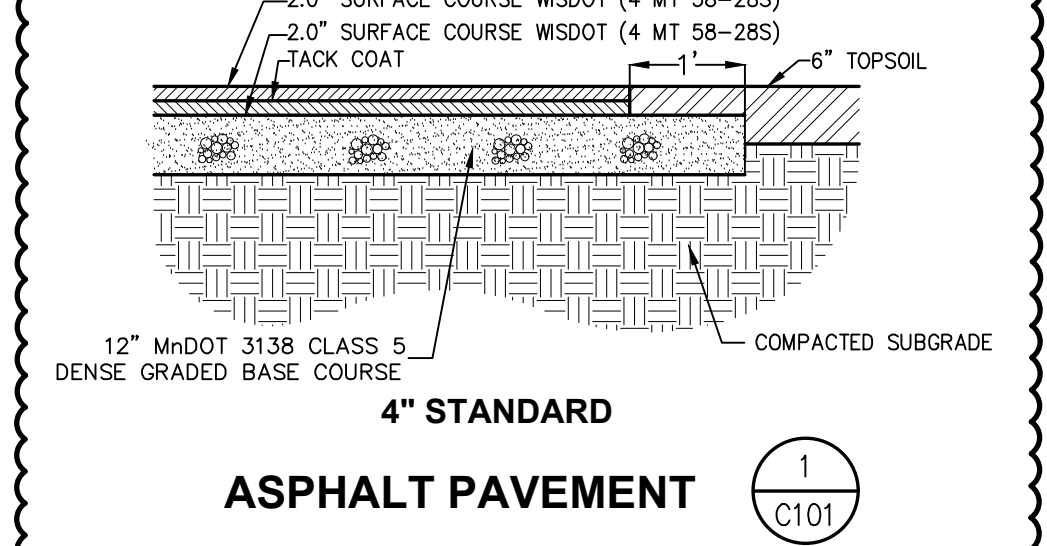
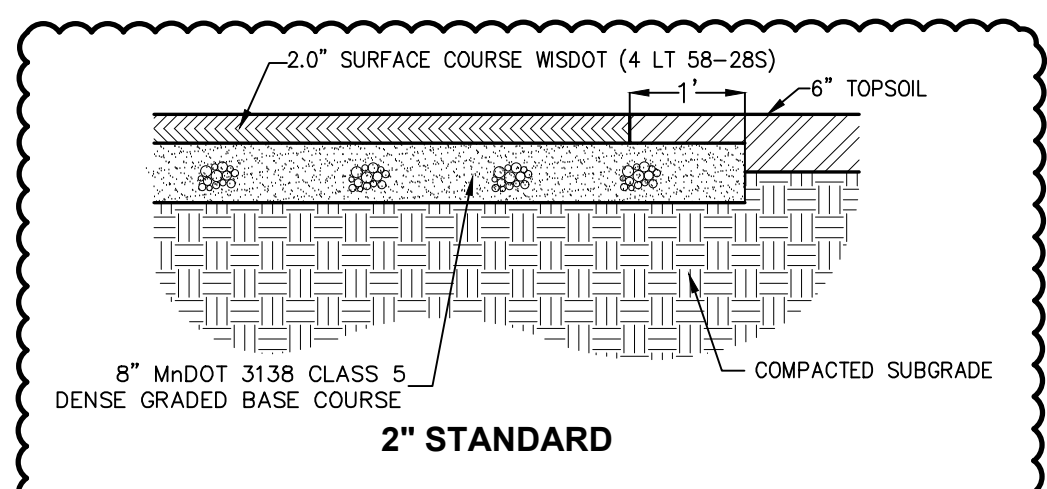
**SITE PARKING RE-CAP**  
EXISTING AND PROPOSED ZONING = R-1B  
OFF-STREET PARKING PROPOSED:  
32 PARKING STALLS PROPOSED  
ON-STREET PARKING-PROPOSED  
15 DROP-OFF/PICK-UP STALLS PROPOSED  
43 PARKING STALLS PROPOSED

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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.
  - CONTRACTOR TO ALLOW VEHICULAR ACCESS TO RESIDENTIAL HOME AT ALL TIMES TO 420 SOUTH 6TH STREET RESIDENCE THROUGH PUBLIC ALLEY.

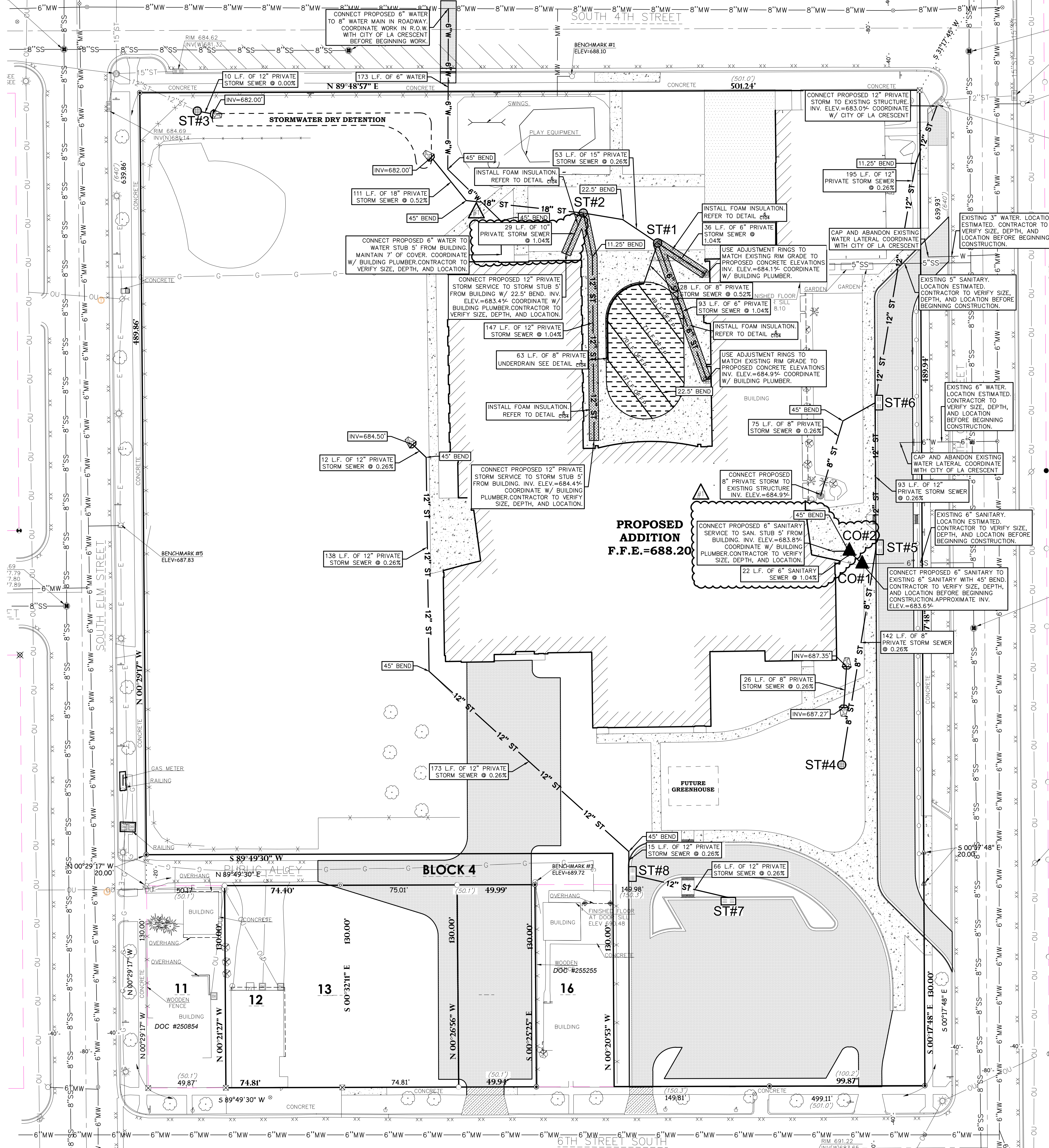
- PAVEMENT HATCH PATTERNS:**
- PROPOSED 2" ASPHALTIC CONCRETE PAVEMENT W/ 8" BASE COURSE (1 C101)
  - PROPOSED 4" ASPHALTIC CONCRETE PAVEMENT W/ 12" BASE COURSE (1 C101)
  - PROPOSED 4" CONCRETE PAVEMENT (6 C101)
  - PROPOSED 6" REINFORCED CONCRETE PAVEMENT (5 C101)
  - WOOD CHIPS APPROVED FOR PLAYGROUND USE (COLOR TO BE SELECTED BY OWNER AND ARCHITECT)

- KEYNOTES:**
- 24" CURB AND GUTTER (2 C101)
  - ACCESSIBLE RAMP (5 C101)
  - PARKING LOT STRIPING (1 C101)
  - ACCESSIBLE PARKING STALL (4 C101)
  - ACCESSIBLE PARKING SIGN (3 C101)
  - ADA ACCESS ROUTE (4 C101)
  - RECONSTRUCT CURB (1 C101)
  - PLAYGROUND TRACK STRIPING (VERIFY WITH OWNER)
  - CHAIN LINK FENCE
  - DECORATIVE FENCE (VERIFY WITH OWNER)
  - DETECTABLE WARNING (TYP.) (5 C101)
  - RELOCATED EXISTING PRIVACY FENCE



| No. | Description | Date      |
|-----|-------------|-----------|
| 1   | ADDENDUM #1 | 3/16/2020 |
|     |             |           |
|     |             |           |
|     |             |           |

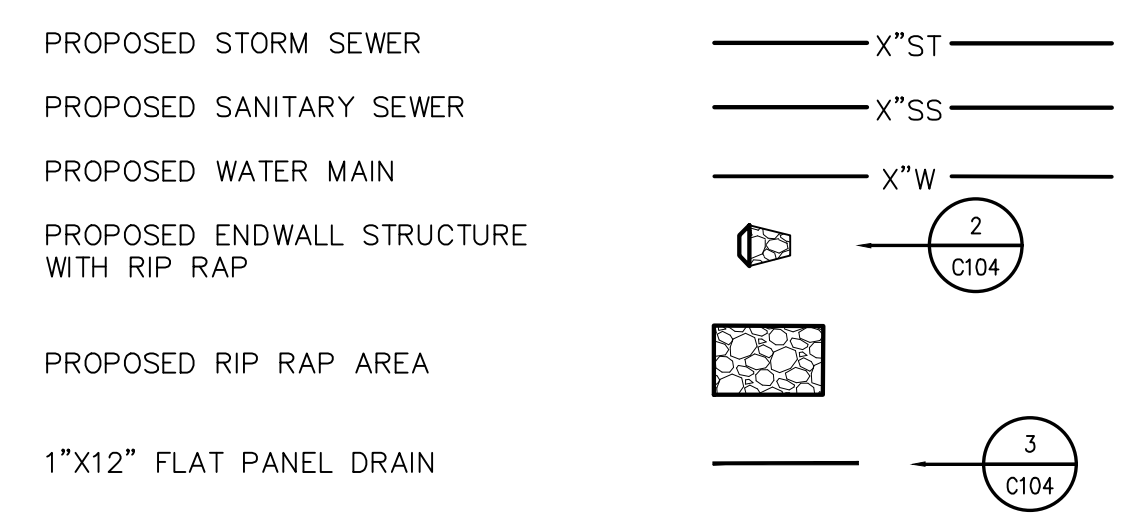
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Last Update: 3/12/2020



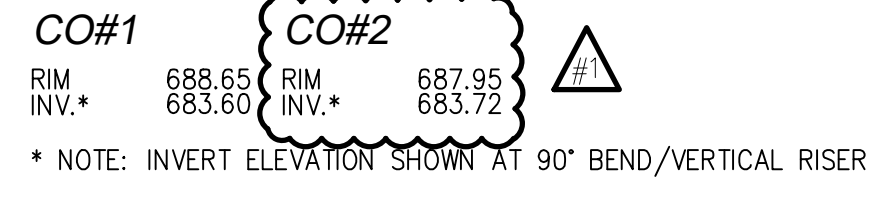
**GENERAL NOTES:**

- CONTACT GOPHER STATE ONE CALL 5 (651-454-0002) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
- 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 THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
- REFER TO THE PROPOSED BUILDING MECHANICAL/PLUMBING PLANS FOR EXACT CONNECTION LOCATIONS AND VERIFY SANITARY SEWER LATERAL.
- COORDINATE ALL UTILITY WORK WITH GAS, ELECTRICAL, (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND STONAGE) CABLE AND TELEPHONE CONSTRUCTION AND RESPECTIVE TRADES RESPONSIBLE FOR INSTALLATION OF SAID UTILITIES.
- COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE LOCAL MUNICIPALITY.
- ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH THE MUNICIPALITY.
- THE PROPOSED WATER MAIN SHALL HAVE A MINIMUM COVER OF 7'-0" TO THE TOP OF PIPE FROM THE PROPOSED FINISHED GRADES, SEE SHEET C102 FOR PROPOSED GRADES.
- THE 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 MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES IF NEEDED.
- PROVIDE REINFORCED TURF AT ALL FLARED END SECTION OF THE PROPOSED CULVERTS TO PREVENT WASHOUT AND EROSION.
- PROVIDE RIP RAP AT ALL ENDWALL STRUCTURES OF THE PROPOSED CULVERTS TO PREVENT WASHOUT AND EROSION. 12" RIP RAP SHALL HAVE FILTER FABRIC PLACED BENEATH.

**UTILITY LEGEND:**

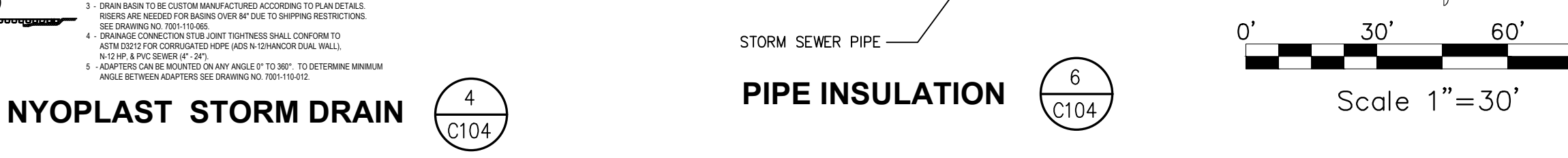
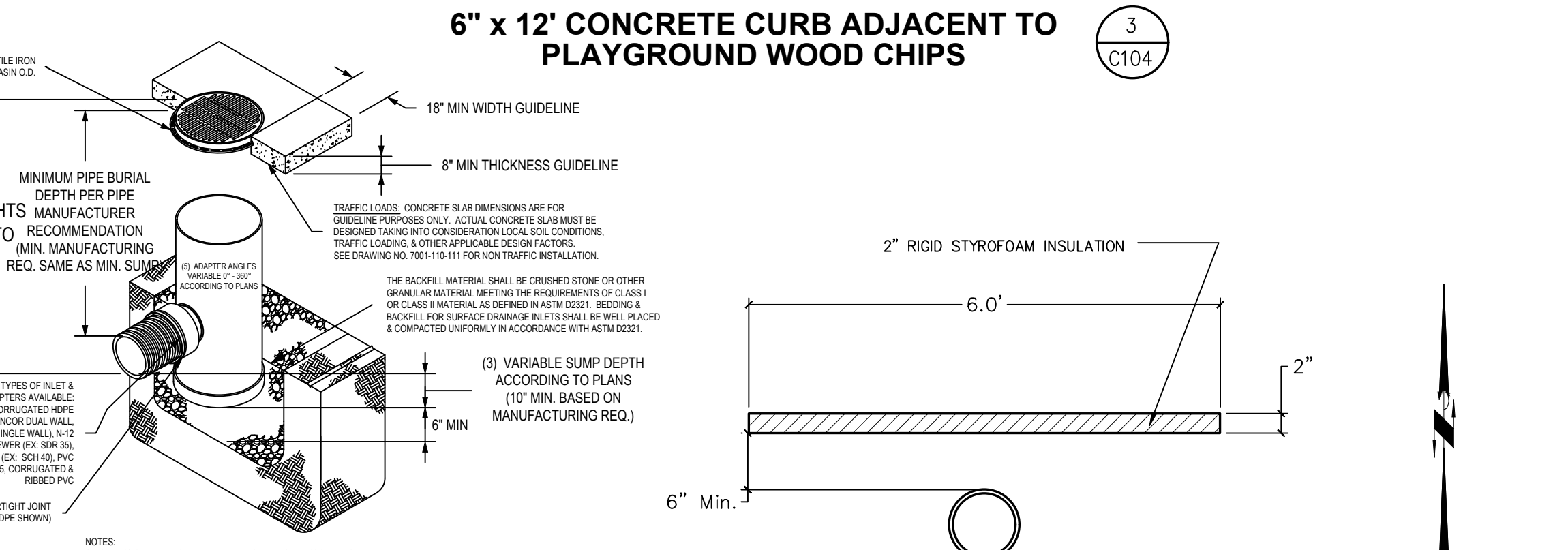
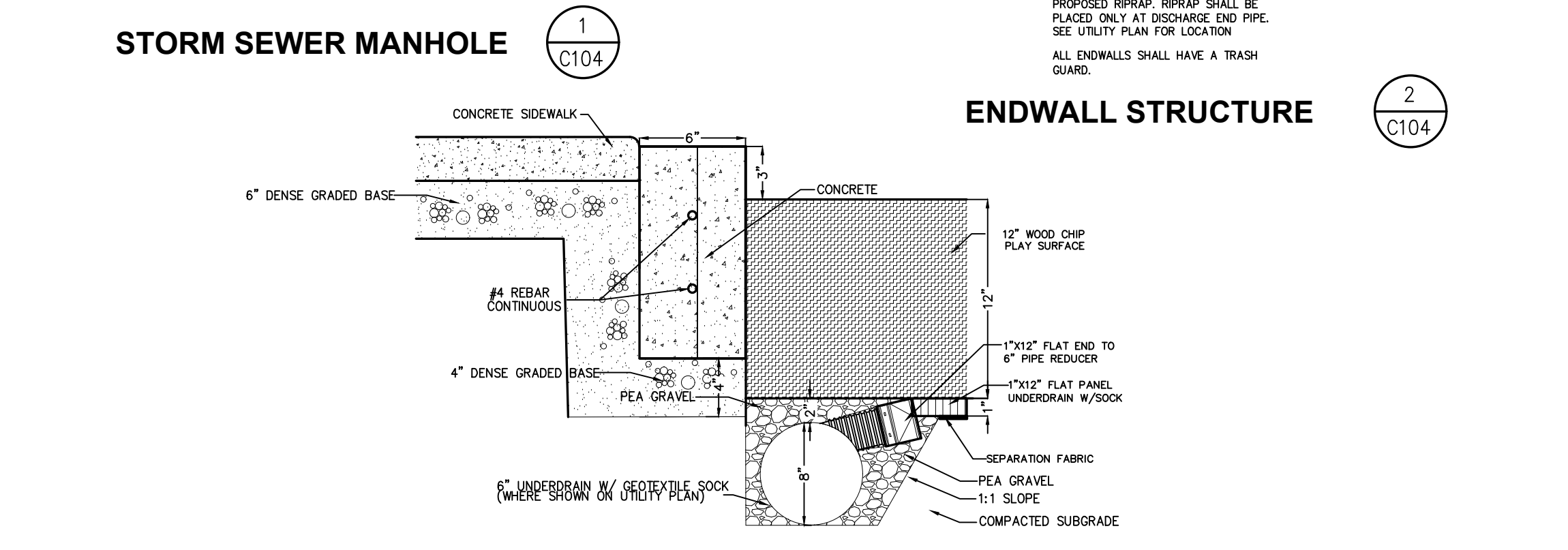
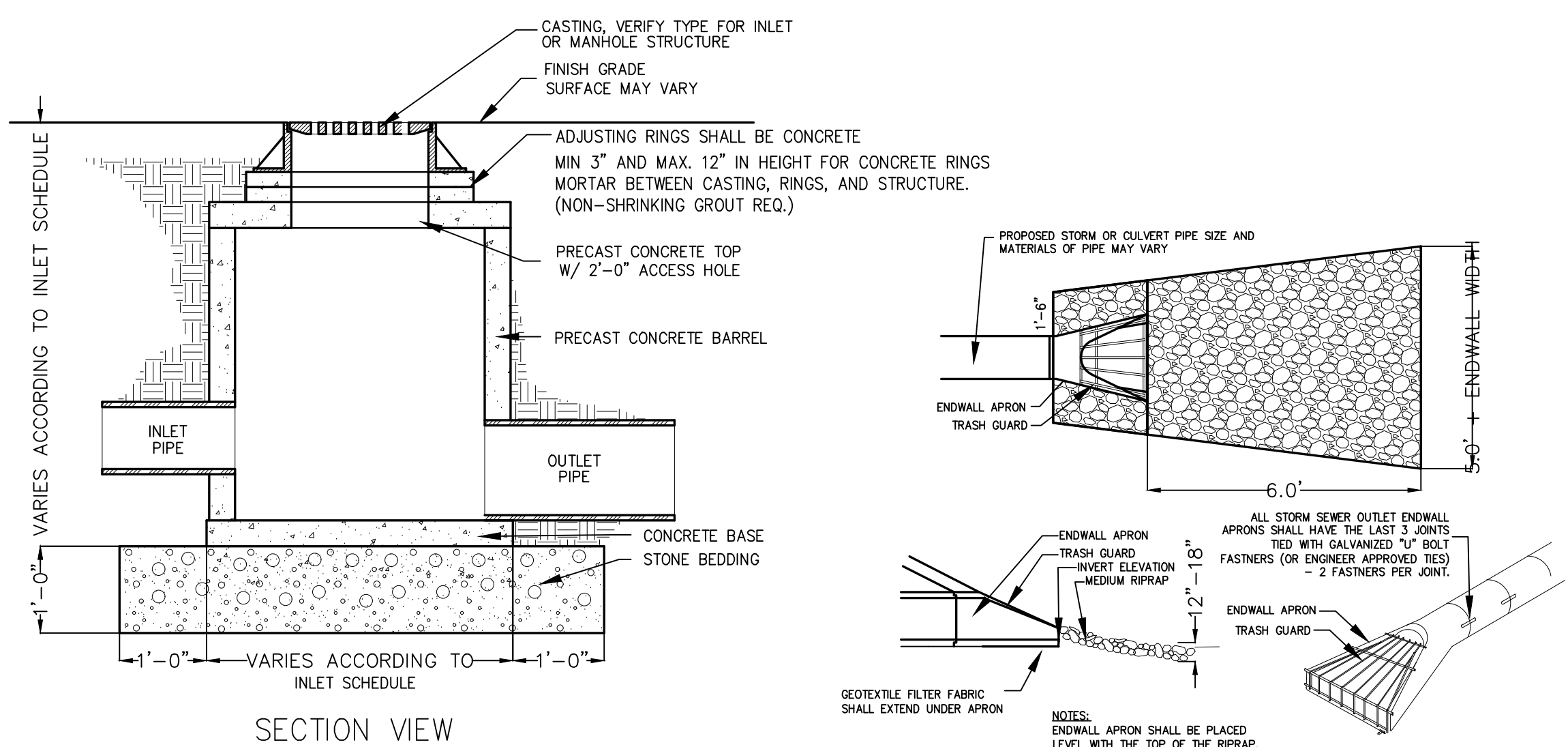


**CLEAN OUT SCHEDULE:**



**STORM MANHOLE SCHEDULE:**

| ST#1  | ST#2   | ST#3  | ST#4  |
|---|--|---|---|
| RIM 686.50<br>INV. NW 683.22<br>INV. SE 683.72<br>INV. SW 683.72<br>INV. S 683.72<br>DEPTH 3.28 | RIM 685.00<br>INV. W 682.58<br>INV. NW 681.20<br>INV. SE 682.90<br>INV. E 683.08<br>DEPTH 2.42 | RIM 684.50<br>INV. NW 681.20<br>INV. SE 682.00<br>DEPTH 3.30            | RIM 686.50<br>INV. N 684.45<br>DEPTH 2.05                               |
| 36" NYLOPLAST STORM DRAIN<br>W/ LOCKABLE H-20 GRATE<br>6" MIN. SUMP                             | 36" NYLOPLAST STORM DRAIN<br>W/ LOCKABLE H-20 GRATE<br>6" MIN. SUMP                            | 30" NYLOPLAST STORM DRAIN<br>W/ LOCKABLE H-20 GRATE<br>6" MIN. SUMP     | 30" NYLOPLAST STORM DRAIN<br>W/ LOCKABLE H-20 GRATE<br>6" MIN. SUMP     |
| ST#5  | ST#6   | ST#7  | ST#8  |
| RIM 687.90<br>INV. N 683.75<br>INV. S 684.08<br>DEPTH 4.15                                      | RIM 687.05<br>INV. N 683.51<br>INV. W 684.72<br>DEPTH 3.54                                     | RIM 689.35<br>INV. NW 685.55<br>DEPTH 3.80                              | RIM 688.55<br>INV. N 685.38<br>INV. SE 685.38<br>DEPTH 3.17             |
| 48" I.D. PRECAST MANHOLE<br>W/ NEENAH R-3065 CASTING<br>W/ TYPE C GRATE                         | 48" I.D. PRECAST MANHOLE<br>W/ NEENAH R-3065 CASTING<br>W/ TYPE C GRATE                        | 48" I.D. PRECAST MANHOLE<br>W/ NEENAH R-3065 CASTING<br>W/ TYPE C GRATE | 48" I.D. PRECAST MANHOLE<br>W/ NEENAH R-3065 CASTING<br>W/ TYPE C GRATE |



**BENCH MARK**  
ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.  
BENCHMARK #1  
TOP OF FLANGE BOLT ON HYDRANT  
SOUTH EDGE OF SOUTH 4TH ST APPROXIMATELY 250FT EAST OF SOUTH OAK ST  
ELEVATION = 688.10  
BENCHMARK #2  
TOP OF FLANGE BOLT ON HYDRANT  
EAST EDGE OF SOUTH OAK ST APPROXIMATELY 45 FT SOUTH OF SOUTH 4TH ST  
ELEVATION = 688.15  
BENCHMARK #3  
602 SPRING IN POWER POLE  
EAST EDGE OF SOUTH OAK ST APPROXIMATELY 180 FT NORTH OF 6TH ST SOUTH  
ELEVATION = 692.08  
BENCHMARK #4  
TOP OF FLANGE BOLT ON HYDRANT  
EAST EDGE OF SOUTH 4TH ST APPROXIMATELY 320 FT SOUTH OF SOUTH 4TH STREET  
ELEVATION = 687.83

**UTILITY DISCLAIMER**  
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**BID DOCUMENTS**

Revisions:

| No. | Description | Date      |
|-----|-------------|-----------|
| 1   | ADDENDUM #1 | 3/16/2020 |

Graphic Scale: 1" = 30'  
Last Update: 3/12/2020

**C104**  
Scale 1" = 30'





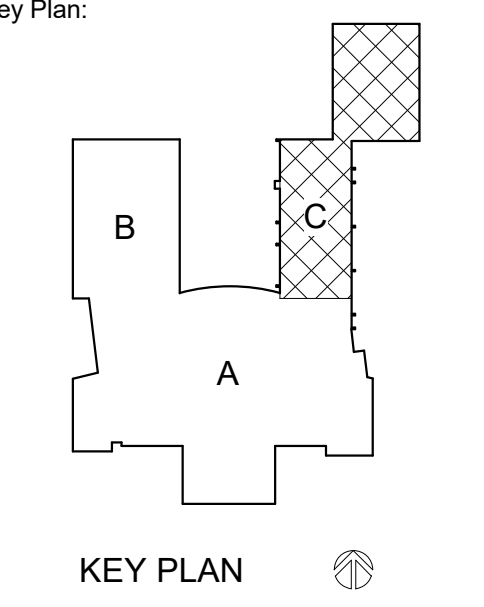
Consultant:

LA CRESCENT - HOKAH PUBLIC SCHOOLS  
ELEMENTARY SCHOOL ADDITION AND  
RENOVATION  
504 SOUTH OAK STREET  
LA CROSSE, MINNESOTA  
FIRST FLOOR REMOVAL PLAN-SEGMENT C

Project Title:  
HSR Project Number:  
19014

Project Date:  
3.5.2020

Drawn By:  
DJH



BID  
DOCUMENTS

| No. | Description | Date    |
|-----|-------------|---------|
| A01 | ADDENDUM 1  | 3.16.20 |

Graphic Scale:  
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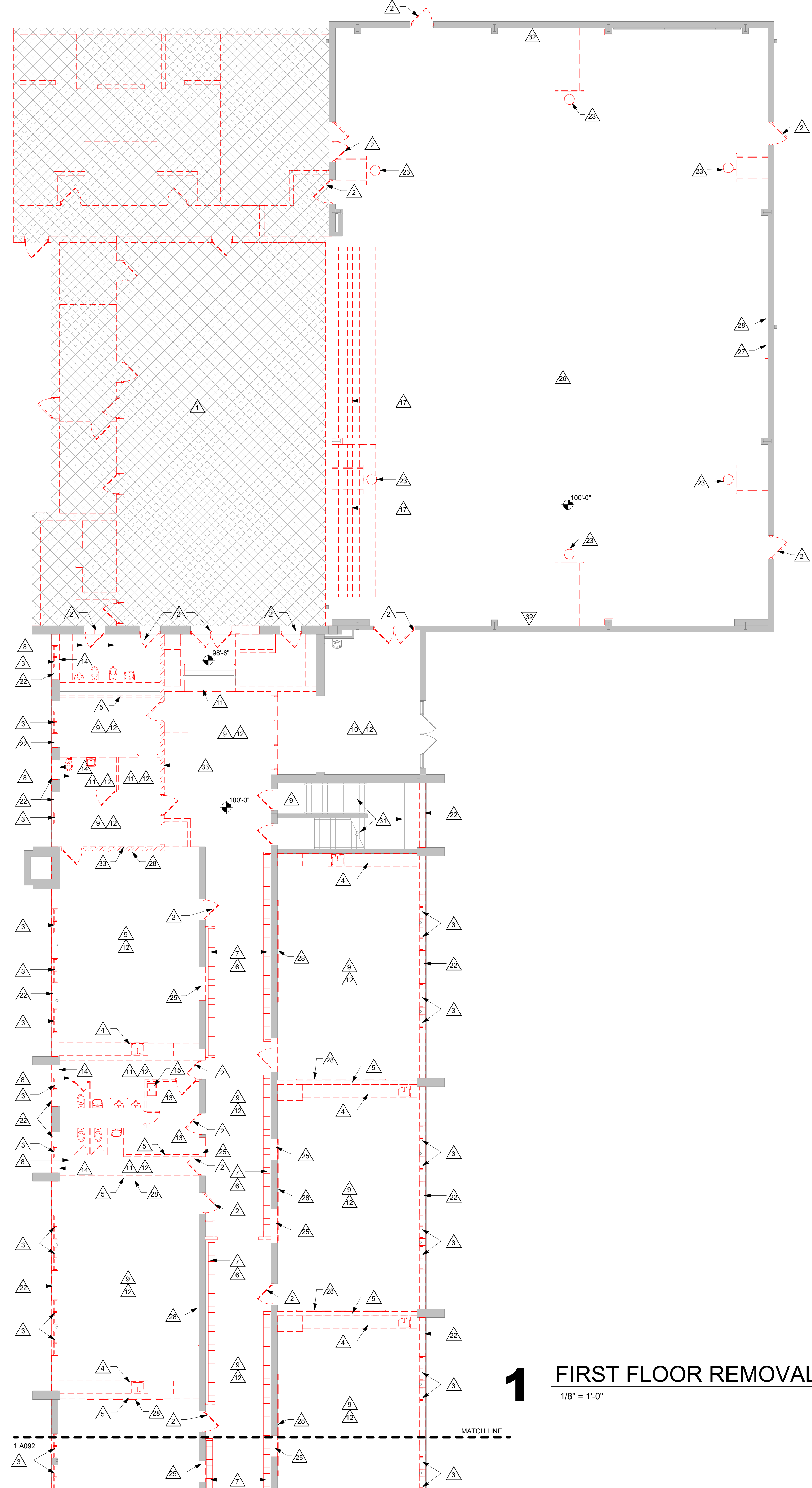
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A093

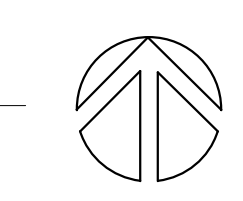
- REMOVAL GENERAL NOTES:**
- A ALL STRUCTURES SHOWN DASHED ON THIS PLAN SHALL BE COMPLETELY REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE NOTED. REFERENCE MEP SHEETS FOR ALL EQUIPMENT REMOVALS AND MODIFICATIONS. TIME AND METHODS SHALL BE COORDINATED WITH AND AGREED TO BY THE 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 UNUSED 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 MAINTAIN ALL EXIT DOORS AND CORRIDORS IN UNOBSTRUCTED OPERABLE CONDITION WITH SAFE PASSAGE AWAY FROM THE BUILDING. COORDINATE WITH LOCAL FIRE MARSHAL AS REQUIRED.
  - E ROOM NUMBERS ARE SHOWN ON THIS PLAN FOR INFORMATIONAL AND COORDINATE PURPOSES ONLY.
  - F SEE MECHANICAL, PLUMBING AND ELECTRICAL SHEETS FOR ADDITIONAL REMOVAL NOTES AND ITEMS.
  - G COORDINATE REMOVAL AND PATCHING WITH MEP DRAWINGS. PATCH TO MATCH EXISTING ADJACENT CONDITIONS.
  - H COORDINATE STORAGE LOCATIONS FOR SALVAGED EQUIPMENT, ACCESSORIES, ETC. WITH THE OWNER. SALVAGED ITEMS SHALL BE PLACED AT A COMMON LOCATION INDICATED BY OWNER.

- 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
  - INDICATES AREA OF COMPLETE BUILDING REMOVAL

- KEY NOTES REMOVAL**
- 1 REMOVE ENTIRE BUILDING INCLUDING FOUNDATION WALLS AND FOOTINGS AT AREAS SHOWN CROSS HATCHED
  - 2 REMOVE EXISTING DOOR AND FRAME INCLUDING SIDELIGHTS AND TRANSOMS WHERE APPLICABLE
  - 3 REMOVE EXISTING WINDOW
  - 4 REMOVE EXISTING CASEWORK - (SEE PLUMBING FOR SINK REMOVAL IF APPLICABLE)
  - 5 REMOVE EXISTING NON-LOAD BEARING MASONRY PARTITION FULL HEIGHT
  - 6 REMOVE EXISTING NON-LOAD BEARING STUD PARTITION FULL HEIGHT
  - 7 REMOVE EXISTING LOCKERS AND BASE
  - 8 REMOVE EXISTING TOILET ROOM, INCLUDING PLUMBING FIXTURE (SEE PLUMBING DRAWINGS), TOILET PARTITIONS AND ACCESSORIES
  - 9 REMOVE EXISTING VCT FLOORING AND RESILIENT BASE
  - 10 REMOVE EXISTING CERAMIC TILE FLOORING AND RESILIENT BASE
  - 11 REMOVE EXISTING CERAMIC TILE FLOORING
  - 12 REMOVE EXISTING AC TILE CEILING
  - 13 REMOVE EXISTING PLASTER CEILING AND FRAMING
  - 14 REMOVE EXISTING CERAMIC TILE WALL FINISH
  - 15 REMOVE EXISTING PLUMBING FIXTURE - SEE PLUMBING
  - 16 REMOVE EXISTING ROOF ACCESS LADDER
  - 17 REMOVE EXISTING BLEACHERS
  - 18 REMOVE EXISTING BALLASTED ROOF MEMBRANE SYSTEM AND INSULATION DOWN TO EXISTING ROOF DECK. (ALT BID)
  - 19 REMOVE EXISTING ROOF MEMBRANE SYSTEM DOWN TO ROOF DECK
  - 20 REMOVE EXISTING ROOF HATCH - INFILL OPENING
  - 21 REMOVE EXISTING ROOF OVERHANG
  - 22 REMOVE EXISTING WINDOW INFILL AND INTERIOR STONE WINDOW STOOL (EXTERIOR STONE SILL TO REMAIN)
  - 23 REMOVE EXISTING WALL HUNG BASKETBALL BACKSTOPS
  - 24 REMOVE EXISTING METAL WALL PANELS
  - 25 PROVIDE OPENING IN EXISTING MASONRY WALL FOR NEW DOOR AND FRAME - SEE STRUCTURAL FOR INFILL
  - 26 REMOVE ALL EXISTING FLOOR TILE (DOWN TO FLOOR SLAB) AND RESILIENT BASE. PREP FLOOR SLAB FOR NEW RESILIENT ATHLETIC FLOORING.
  - 27 REMOVE EXISTING PROJECTOR SCREEN
  - 28 REMOVE EXISTING MARKERBOARD/TACKBOARD
  - 29 REMOVE EXISTING WALL MOUNTED ACCESS LADDER
  - 30 REMOVE EXISTING CONC. HOUSEKEEPING PAD
  - 31 REMOVE EXISTING TILE TREADS, RISERS AND BASE AT STAIR AND LANDING. PREP STAIRLANDING FOR NEW FINISH.
  - 32 REMOVE EXISTING PROTECTION PADS
  - 33 VERIFY COLUMN LOCATIONS/SECOND FLOOR BEARING CONDITIONS AT EXISTING MASONRY WALLS PRIOR TO DEMOLITION-COORDINATE W/ ARCHITECT & STRUCTURAL ENGINEER



**1** FIRST FLOOR REMOVAL PLAN -SEGMENT C  
1/8" = 1'-0"



MATCH LINE

WATER CALCULATION WORKSHEET. Information required to size water service and water distribution. Demand of building in water supply fixture units (WFU). Demand of equipment requiring Gallons Per Minute. Total Building Demand Gallons Per Minute. Elevation difference from main or external pressure tank to building control valve. Size of water meter when required. Developed length from main or external pressure tank to building control valve. Low pressure at main in street or external pressure tank.

PLUMBING DRAIN AND CLEANOUT SCHEDULE. Table with columns: ID, FIXTURE, WASTE (DFU, TRAP, VENT, MIN), DETAIL / SHEET, DESCRIPTION / REMARKS. Includes fixtures like floor drains, floor sinks, hub drains, roof drains, floor cleanouts, and wall cleanouts.

GAS WATER HEATERS SCHEDULE. Table with columns: ID, MANUFACTURER MODEL #, GAS PRESS IN WC, GAS SIZE, ELECTRICAL (VOLTS, PHASE), RECOVERY (GPH, RISE FT), MAX EFF%, TANK CAP GAL, DETAIL / SHEET, DESCRIPTION / REMARKS. Includes HTP Phoenix water heaters.

GREASE INTERCEPTOR SCHEDULE. Table with columns: ID, MANUFACTURER MODEL #, SIZE (L, W, H), GPM, LIQUID GALLONS, LBS OF GREASE, DETAIL / SHEET, DESCRIPTION / REMARKS. Includes Schier Products grease interceptors. Includes Grease Interceptor Sizing Calculations and Capacity information.

PLUMBING FIXTURES SCHEDULE. Table with columns: ID, FIXTURE, WASTE (DFU, TRAP, VENT, MIN), WATER (COLD, HOT), DETAIL / SHEET, DESCRIPTION / REMARKS. Includes fixtures like dishwashers, electric water coolers, kitchen sinks, mop basins, lavatories, and mops.

WATER SOFTENER SCHEDULE. Table with columns: ID, MANUFACTURER MODEL #, ELECTRICAL (AMPS, VOLTS, PHASE), GPM, MAX PRESS DROP, GRAINS CAPACITY / LBS SALT, RESIN TANK STORAGE (DIA, HEIGHT, CU FT), SALT STORAGE (DIA, HEIGHT, LBS), DETAIL / SHEET, DESCRIPTION / REMARKS. Includes Hellenbrand water softeners.

EJECTORS AND SUMP PUMPS SCHEDULE. Table with columns: ID, MANUFACTURER MODEL #, HP, ELECTRICAL (AMPS, VOLTS, PHASE), RPM, VFD, DISCHARGE (GPM, HD FT), BASIN (DIA, DEPTH), DETAIL / SHEET, DESCRIPTION / REMARKS. Includes B&G ejectors.

EXPANSION TANK SCHEDULE. Table with columns: ID, MANUFACTURER MODEL #, SIZE (DIA, HEIGHT), SYSTEM, VOLUME GALLONS, PRESSURE (PSI), DETAIL / SHEET, DESCRIPTION / REMARKS. Includes Amtrol expansion tanks.

PUMP SCHEDULE. Table with columns: ID, MANUFACTURER MODEL #, HP, ELECTRICAL (AMPS, VOLTS, PHASE), RPM, VFD, DISCHARGE (GPM, HD FT), DETAIL / SHEET, DESCRIPTION / REMARKS. Includes B&G pumps.

PLUMBING LEGEND. Symbols and abbreviations for plumbing components like cold/hot water, valves, drains, and cleanouts.

ABBREVIATIONS. Comprehensive list of abbreviations for plumbing and construction, such as A (Above Finished Floor), BFF (Below Finished Floor), CB (Catch Basin), and others.

GENERAL NOTES. List of 6 notes detailing project requirements, site visit, construction conditions, and safety protocols.

PLUMBING SHEET INDEX. Table listing sheet numbers (P000-P900) and their corresponding titles, such as P000 SYMBOLS, ABBREVIATIONS, & SCHEDULES - PLUMBING.

REVISIONS. Table with columns: No., Description, Date. Includes one revision: A01 ADDENDUM 1 3.16.20.

ARCHITECTURE ENGINEERING INTERIOR DESIGN. HSR ASSOCIATES INC. 100 MILWAUKEE STREET LA CROSSE, WISCONSIN PHONE: 608.784.1830 FAX: 608.782.5844

Consultant: JDR ENGINEERING, INC. 5525 NOBEL DRIVE SUITE 100 MADISON, WI 53711 PH: 608.277.7228 FAX: 608.270.7046 JDR PROJECT NO. 19.0361

LA CRESCENT - HOKAH PUBLIC SCHOOLS ELEMENTARY SCHOOL. SYMBOLS, ABBREVIATIONS, & SCHEDULES - PLUMBING. Project Title: LA CRESCENT - HOKAH PUBLIC SCHOOLS ELEMENTARY SCHOOL. Project Location: 504 SOUTH OAK STREET LA CRESCENT, MINNESOTA. HSR Project Number: 19014-1. Project Date: 3.5.2020. Drawn By: JDR. Key Plan. BIDDING DOCUMENTS.

P000



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PH: 608.277.728 FAX: 608.271.7046  
JDR PROJECT NO. 190361

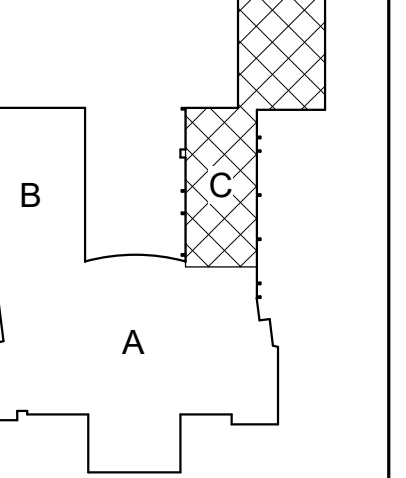
Project Title:  
**LA CRESCENT - HOKAH PUBLIC SCHOOLS  
ELEMENTARY SCHOOL**  
Project Location:  
504 SOUTH OAK STREET  
LA CRESCENT, MINNESOTA  
Sheet Title:  
**FIRST FLOOR REMOVAL PLAN - PLUMBING - AREA C**

HSR Project Number:  
**19014-1**

Project Date:  
**3.5.2020**

Drawn By:  
**JDR**

Key Plan:



KEY PLAN

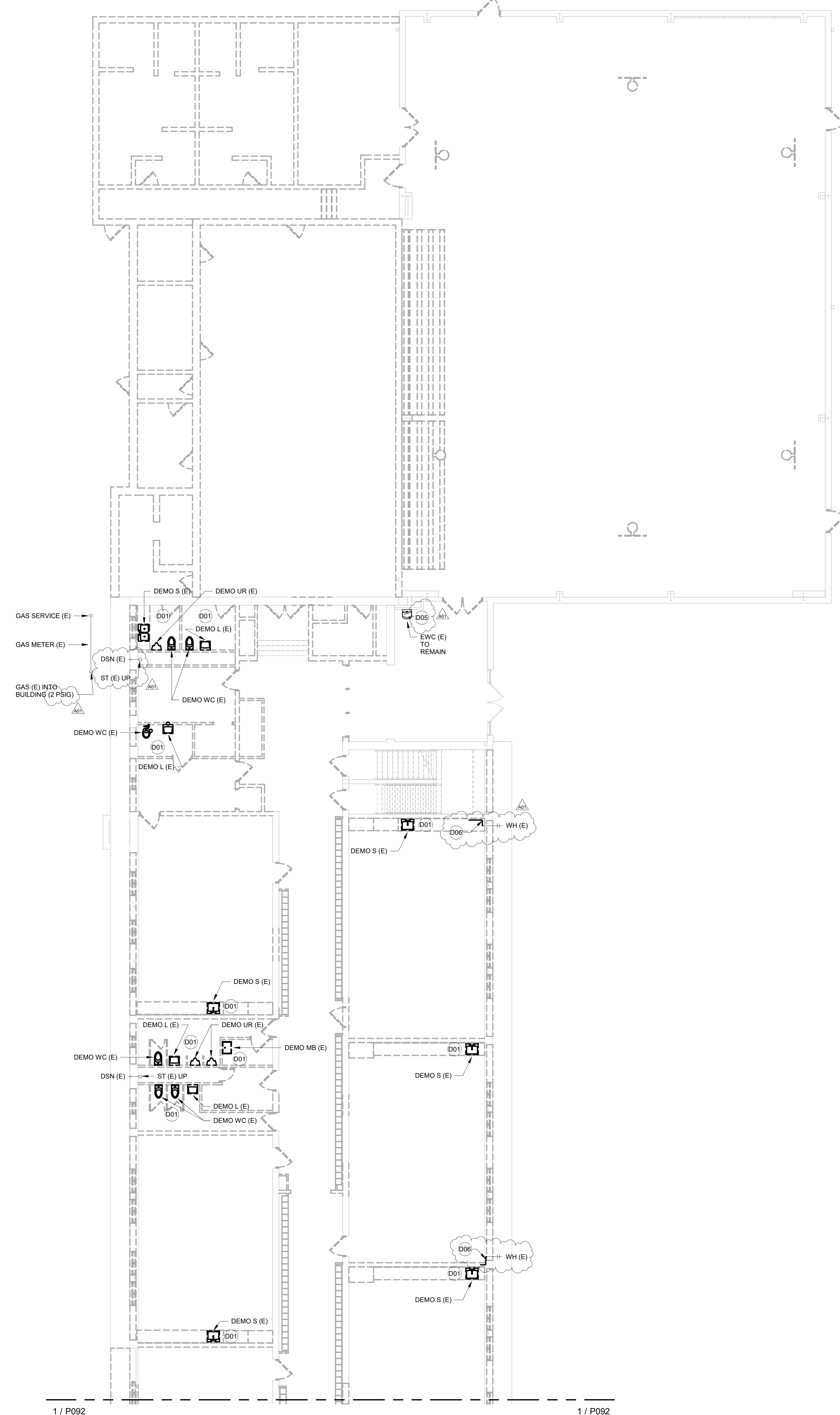
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DOCUMENTS**

| No. | Description | Date    |
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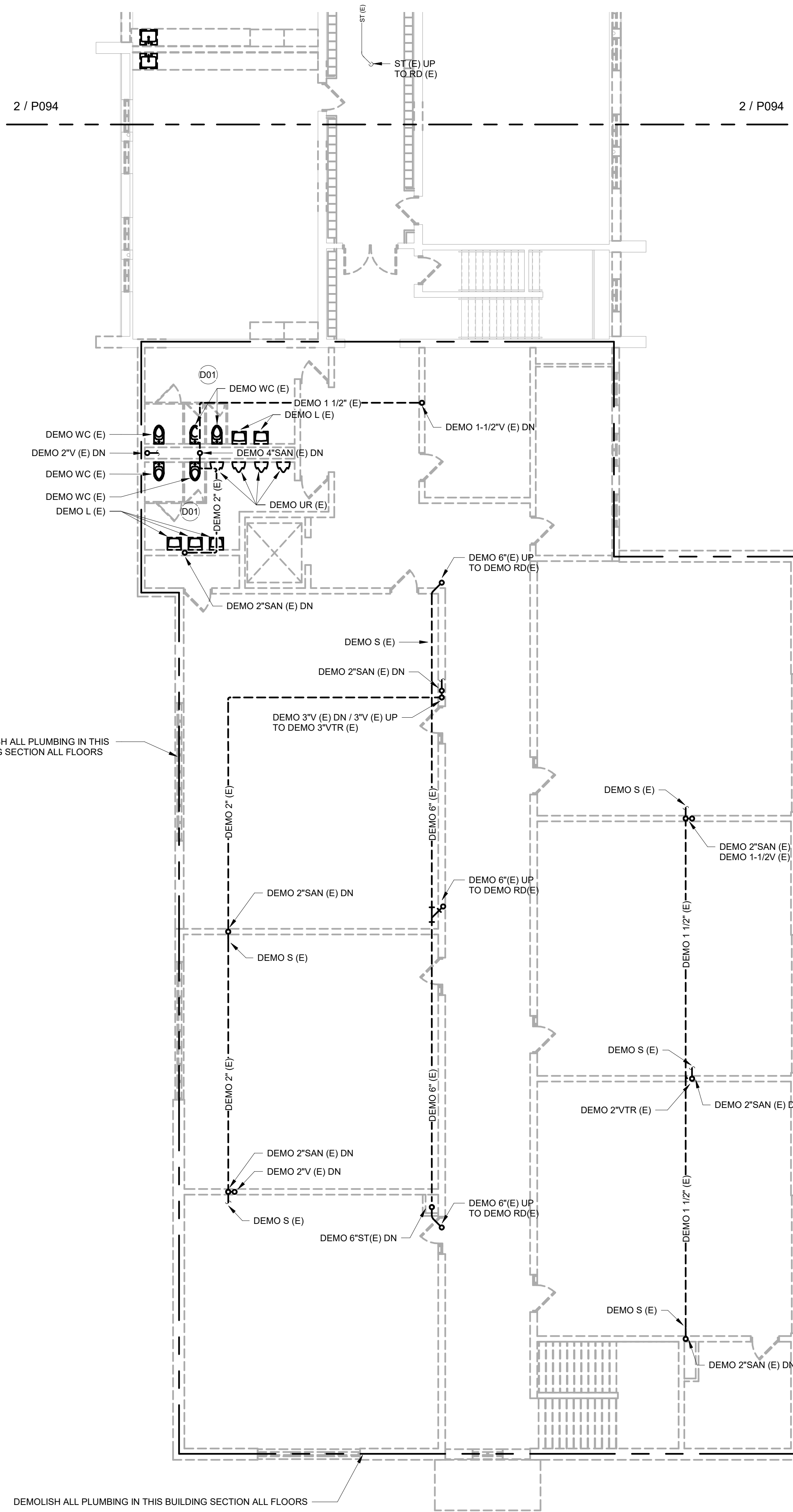
**P093**



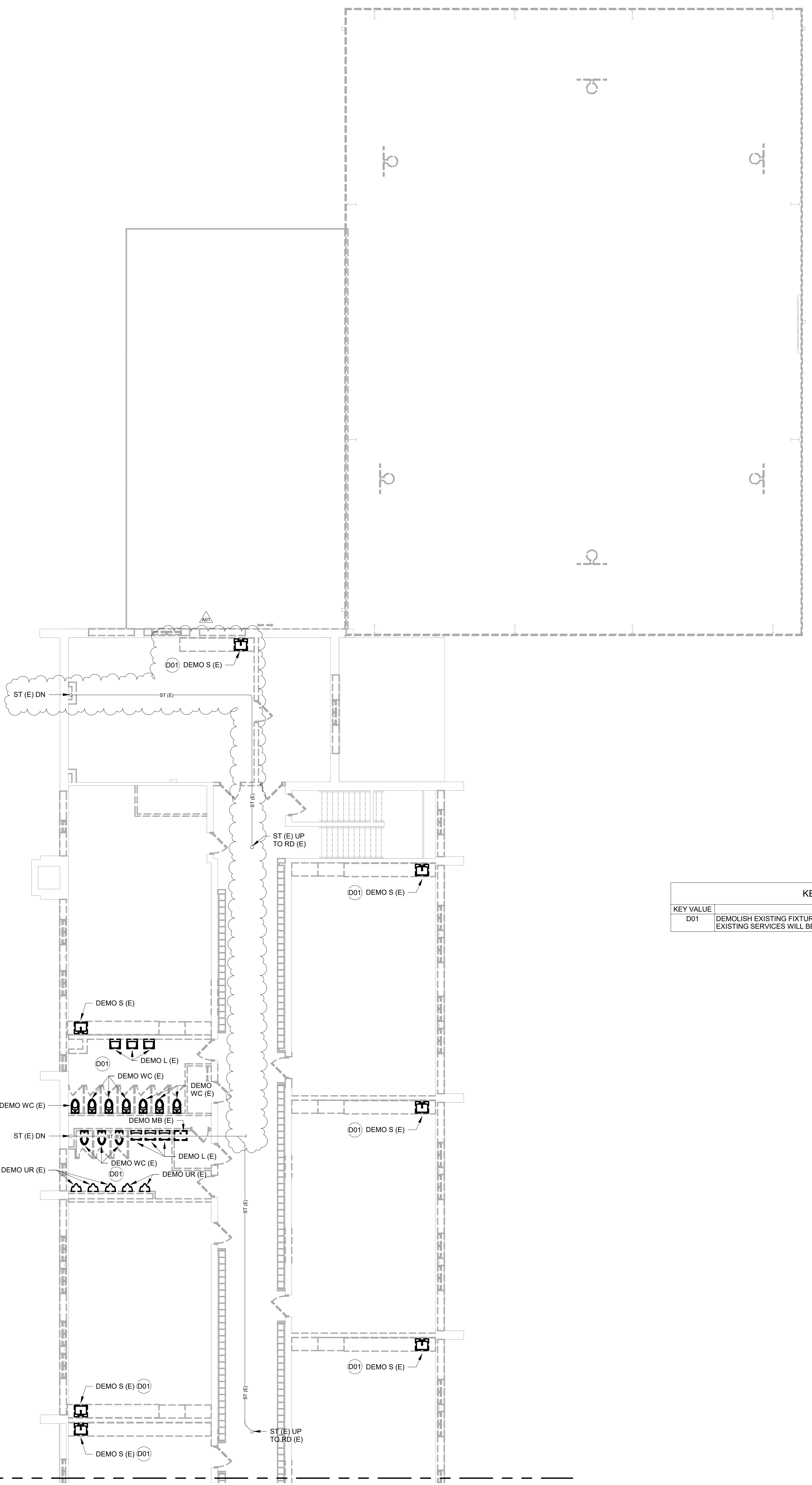
| KEY VALUE | KEYNOTE TEXT  |
|-----------|---|
| D01       | DEMOLISH EXISTING FIXTURES, WASTE, VENT AND SUPPLIES COMPLETE IN THIS AREA. EXISTING SERVICES WILL BE COMPLETELY DEMOLISHED.      |
| D05       | EXISTING ELECTRIC WATER COOLER TO REMAIN. PIPING TO BE REPLACED. REMOVE FIXTURE TEMPORARILY AND REPLACE ALL PIPING.               |
| D06       | EXISTING WALL HYDRANT (WH E) TO REMAIN. PIPING TO BE REPLACED. DEMOLISH ALL UNUSED PIPING COMPLETE AND RECONNECT TO WALL HYDRANT. |

1 / P092

1 / P092

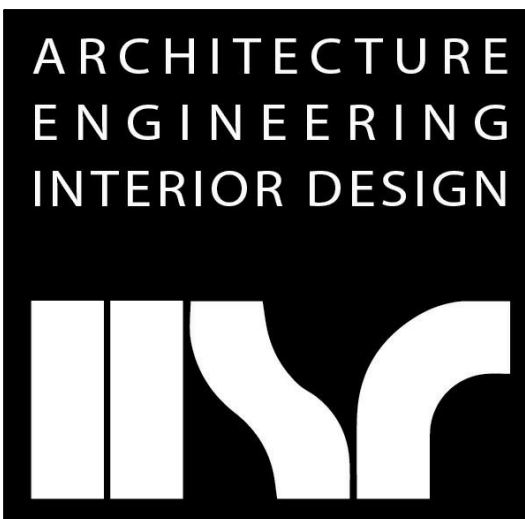


1 SECOND FLOOR REMOVAL PLAN - PLUMBING - AREA A  
SCALE: 1/8" = 1'-0"



2 SECOND FLOOR REMOVAL PLAN - PLUMBING - AREA C  
SCALE: 1/8" = 1'-0"

| KEYNOTE LEGEND |  |
|----------------|--|
| KEY VALUE      | KEYNOTE TEXT   |
| D01            | DEMOLISH EXISTING FIXTURES, WASTE, VENT AND SUPPLIES COMPLETE IN THIS AREA. EXISTING SERVICES WILL BE COMPLETELY DEMOLISHED. |



**ARCHITECTURE  
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INTERIOR DESIGN**

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JDR PROJECT NO. 19.0361

Project Title:  
**LA CRESCENT - HOKAH PUBLIC SCHOOLS  
ELEMENTARY SCHOOL**

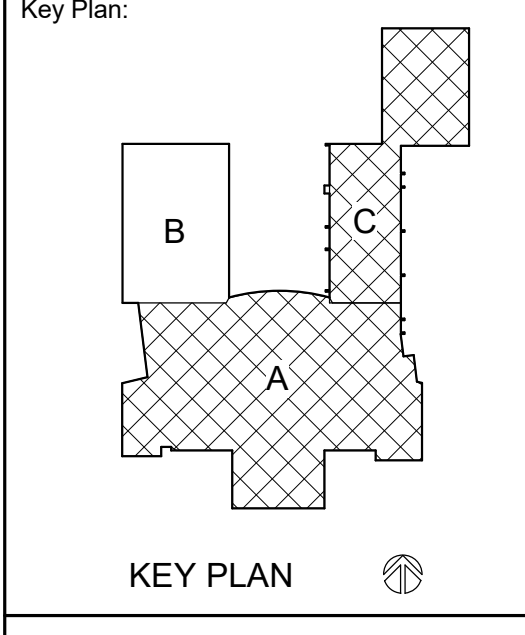
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LA CRESCENT, MINNESOTA

Sheet Title:  
**SECOND FLOOR REMOVAL PLAN - PLUMBING - AREA A & C**

HSR Project Number:  
**19014-1**

Project Date:  
**3.5.2020**

Drawn By:  
**JDR**



**BID  
DOCUMENTS**

| No. | Description | Date    |
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| A01 | ADDENDUM 1  | 3.16.20 |

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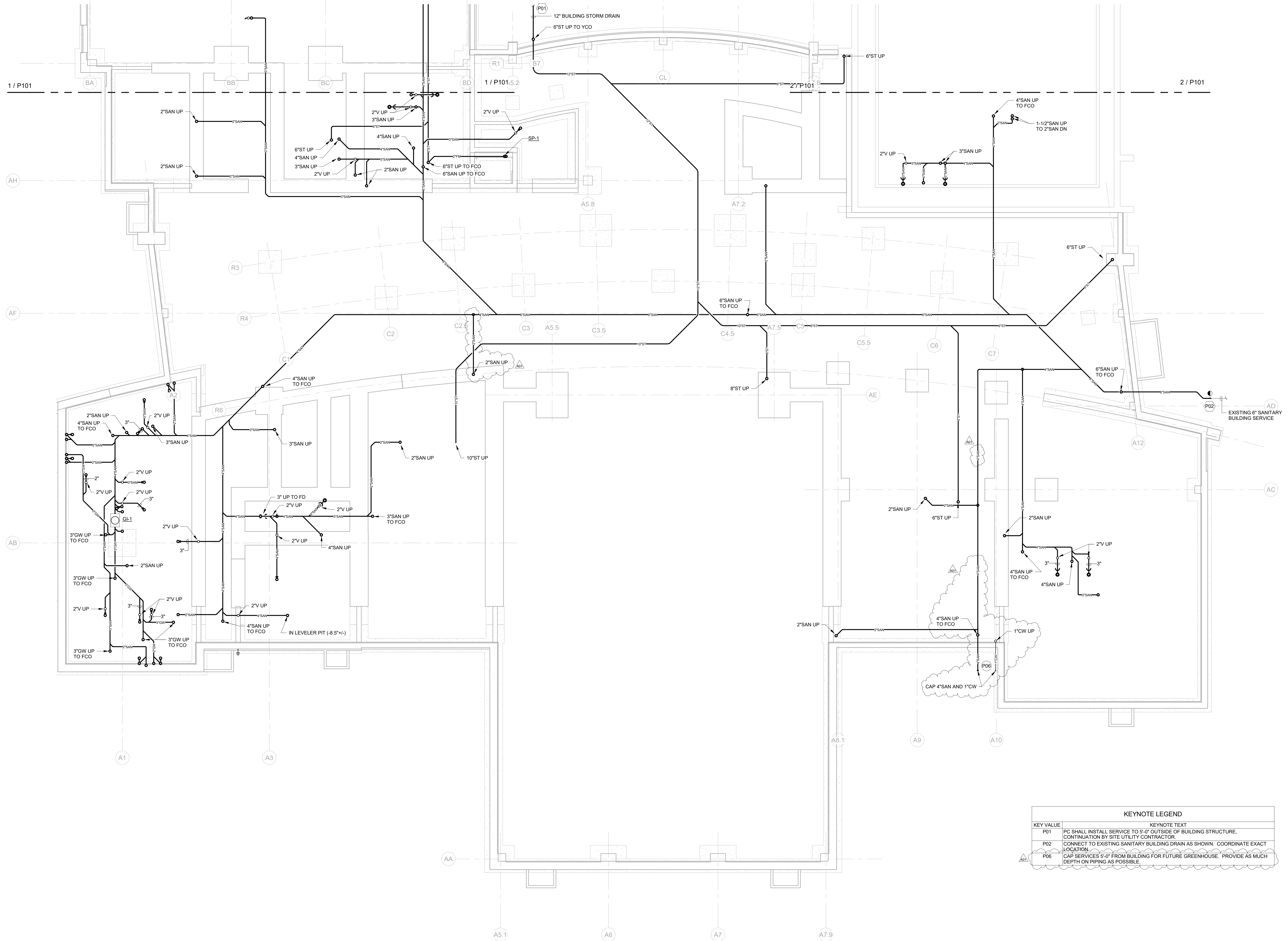
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**P094**



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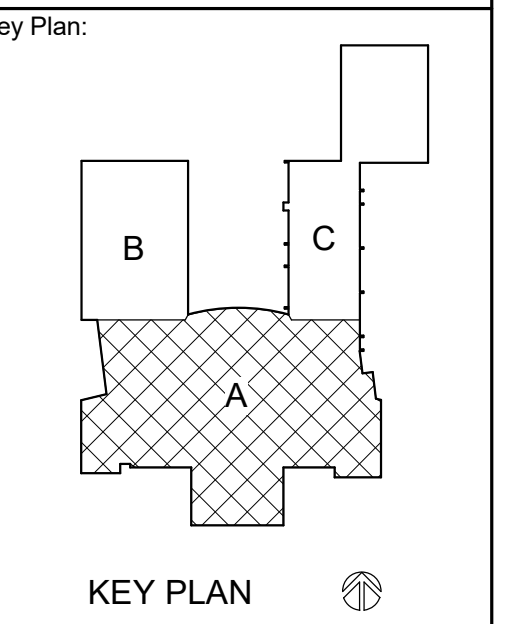
Consultant:  
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PH: 608.277.7288 FAX: 608.271.7046  
JDR PROJECT NO. 190361



Project Title: **LA CRESCENT - HOKAH PUBLIC SCHOOLS  
ELEMENTARY SCHOOL**  
Project Location: **504 SOUTH OAK STREET  
LA CRESCENT, MINNESOTA**  
Sheet Title: **UNDERFLOOR PLAN - PLUMBING - AREA A**

HSR Project Number: **19014-1**  
Project Date: **3.5.2020**

Drawn By: **JDR**



**BID  
DOCUMENTS**

Revisions:

| No. | Description | Date    |
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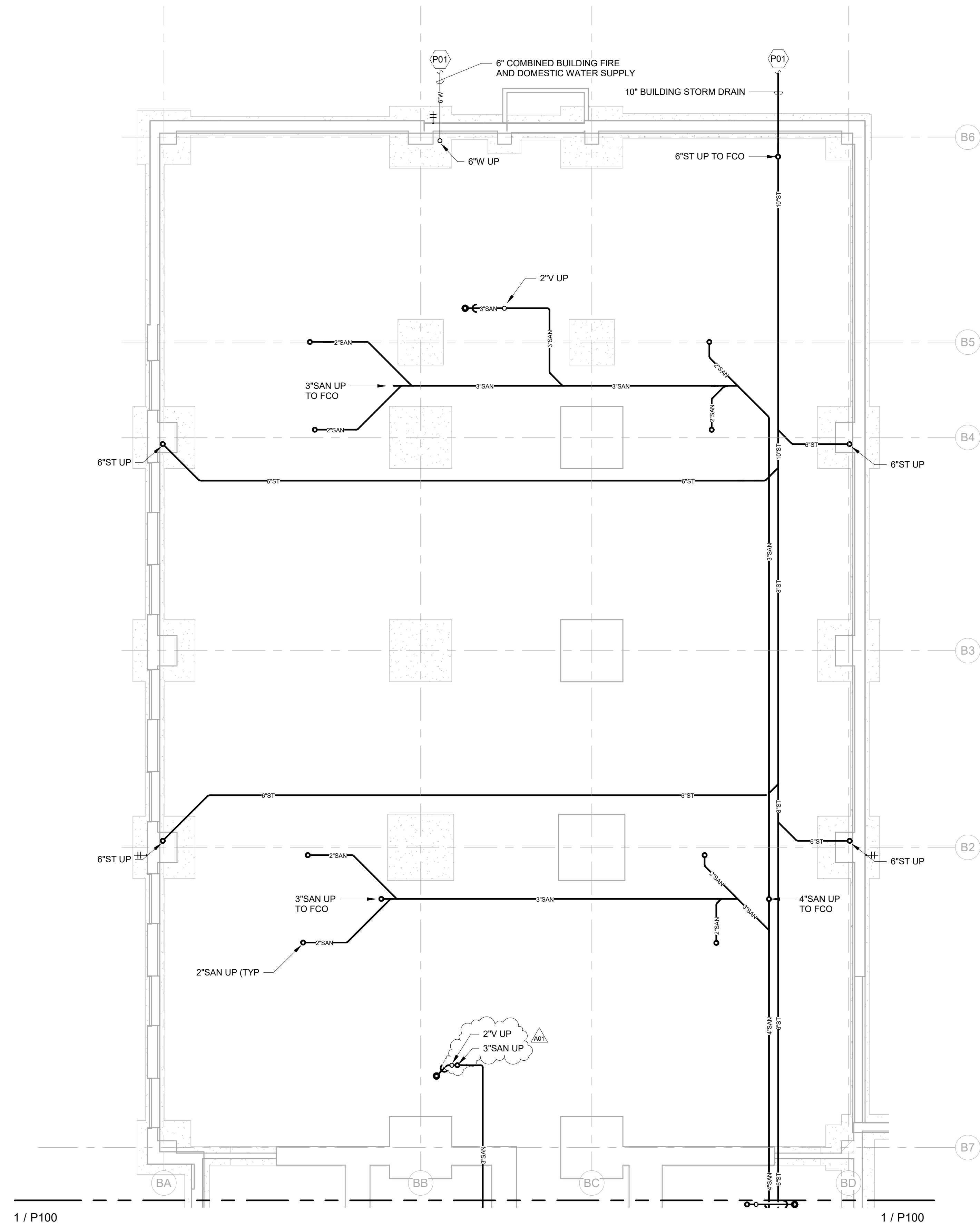
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**P100**

KEYNOTE LEGEND

| KEY VALUE | KEYNOTE TEXT  |
|-----------|---|
| P01       | PC SHALL INSTALL SERVICE TO 5'-0" OUTSIDE OF BUILDING STRUCTURE. CONTINUATION BY SITE UTILITY CONTRACTOR. |
| P02       | CONNECT TO EXISTING SANITARY BUILDING DRAIN AS SHOWN. COORDINATE EXACT LOCATION.                          |
| P06       | CAP SERVICES 5'-0" FROM BUILDING FOR FUTURE GREENHOUSE. PROVIDE AS MUCH DEPTH ON PIPING AS POSSIBLE.      |

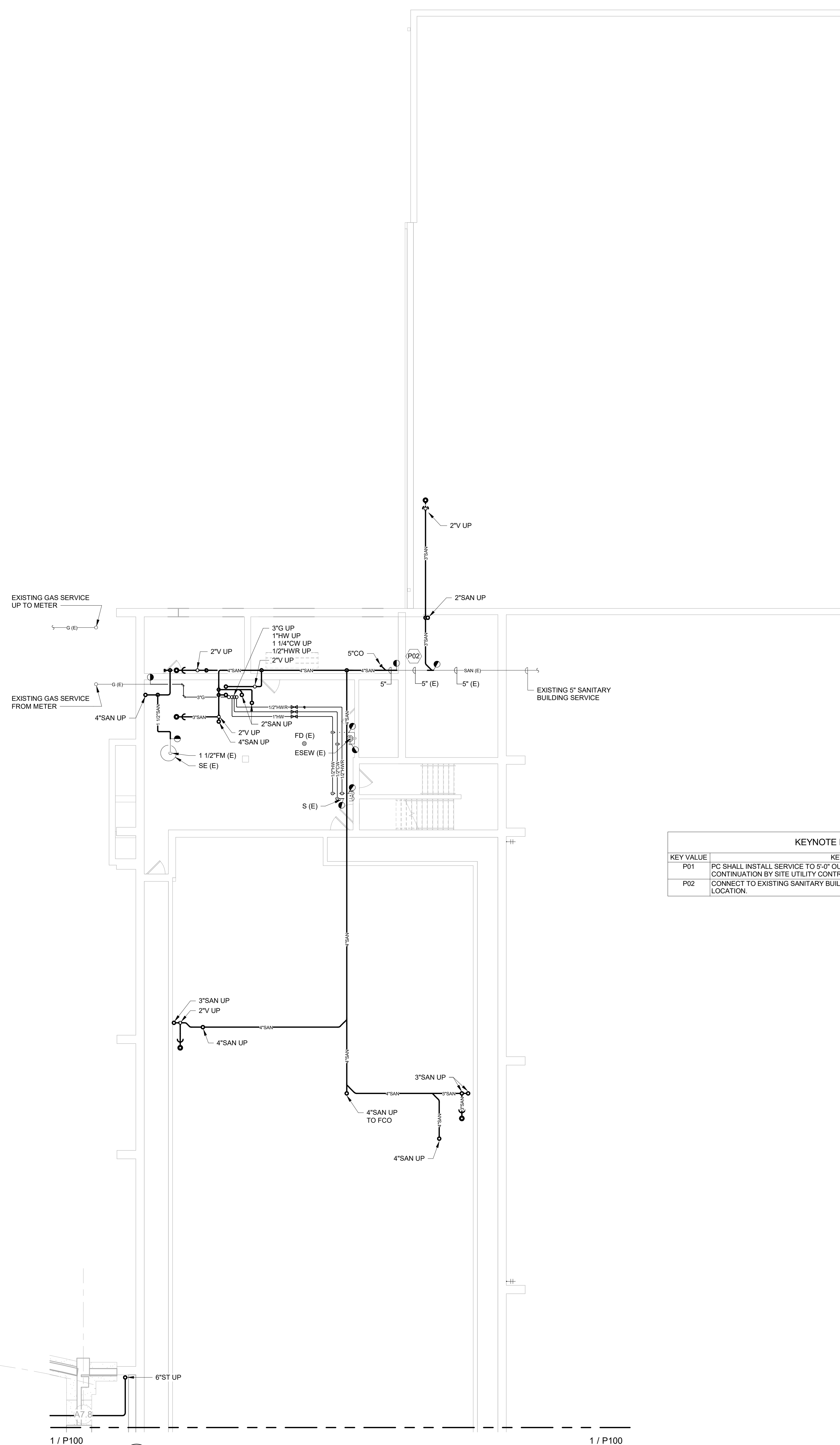
**1 UNDERFLOOR PLAN - PLUMBING - AREA A**  
SCALE: 1/8" = 1'-0"



1 / P100

1 / P100

**1** UNDERFLOOR PLAN - PLUMBING - AREA B  
SCALE: 1/8" = 1'-0"



1 / P100

1 / P100

**2** BSMT/UNDERFLOOR PLAN - PLUMBING - AREA C  
SCALE: 1/8" = 1'-0"

| KEYNOTE LEGEND |   |
|----------------|---|
| KEY VALUE      | KEYNOTE TEXT  |
| P01            | PC SHALL INSTALL SERVICE TO 5'-0" OUTSIDE OF BUILDING STRUCTURE. CONTINUATION BY SITE UTILITY CONTRACTOR. |
| P02            | CONNECT TO EXISTING SANITARY BUILDING DRAIN AS SHOWN. COORDINATE EXACT LOCATION.                          |



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JDR PROJECT NO. 19.0361

Project Title:  
**LA CRESCENT - HOKAH PUBLIC SCHOOLS  
ELEMENTARY SCHOOL**

Project Location:  
504 SOUTH OAK STREET  
LA CRESCENT, MINNESOTA

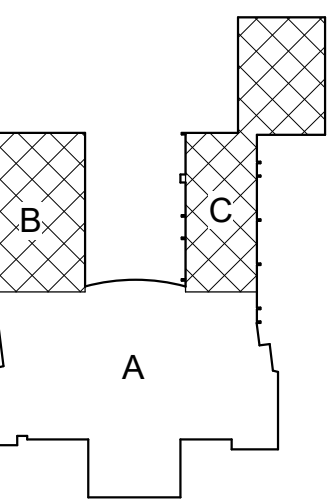
Sheet Title:  
**BSMT/UNDERFLOOR PLAN - PLUMBING - AREA B & C**

HSR Project Number:  
**19014-1**

Project Date:  
**3.5.2020**

Drawn By:  
**JDR**

Key Plan:



KEY PLAN

**BID  
DOCUMENTS**

| No. | Description | Date    |
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| A01 | ADDENDUM 1  | 3.16.20 |

Graphic Scale:  
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Last Update:  
**3/16/2020 10:02:58 AM**

**P101**

SEE ISOMETRIC ON SHEET P302, 305 AND P308 FOR FURTHER EXPLANATION OF PIPING IN THIS AREA.



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JDR PROJECT NO. 19.0361

Project Title: **LA CRESCENT - HOKAH PUBLIC SCHOOLS  
ELEMENTARY SCHOOL**  
Project Location: **504 SOUTH OAK STREET  
LA CROSSE, MINNESOTA**  
Sheet Title: **FIRST FLOOR PLAN - PLUMBING - AREA A**

HSR Project Number: **19014-1**  
Project Date: **3.5.2020**  
Drawn By: **JDR**

Key Plan:  
  
KEY PLAN

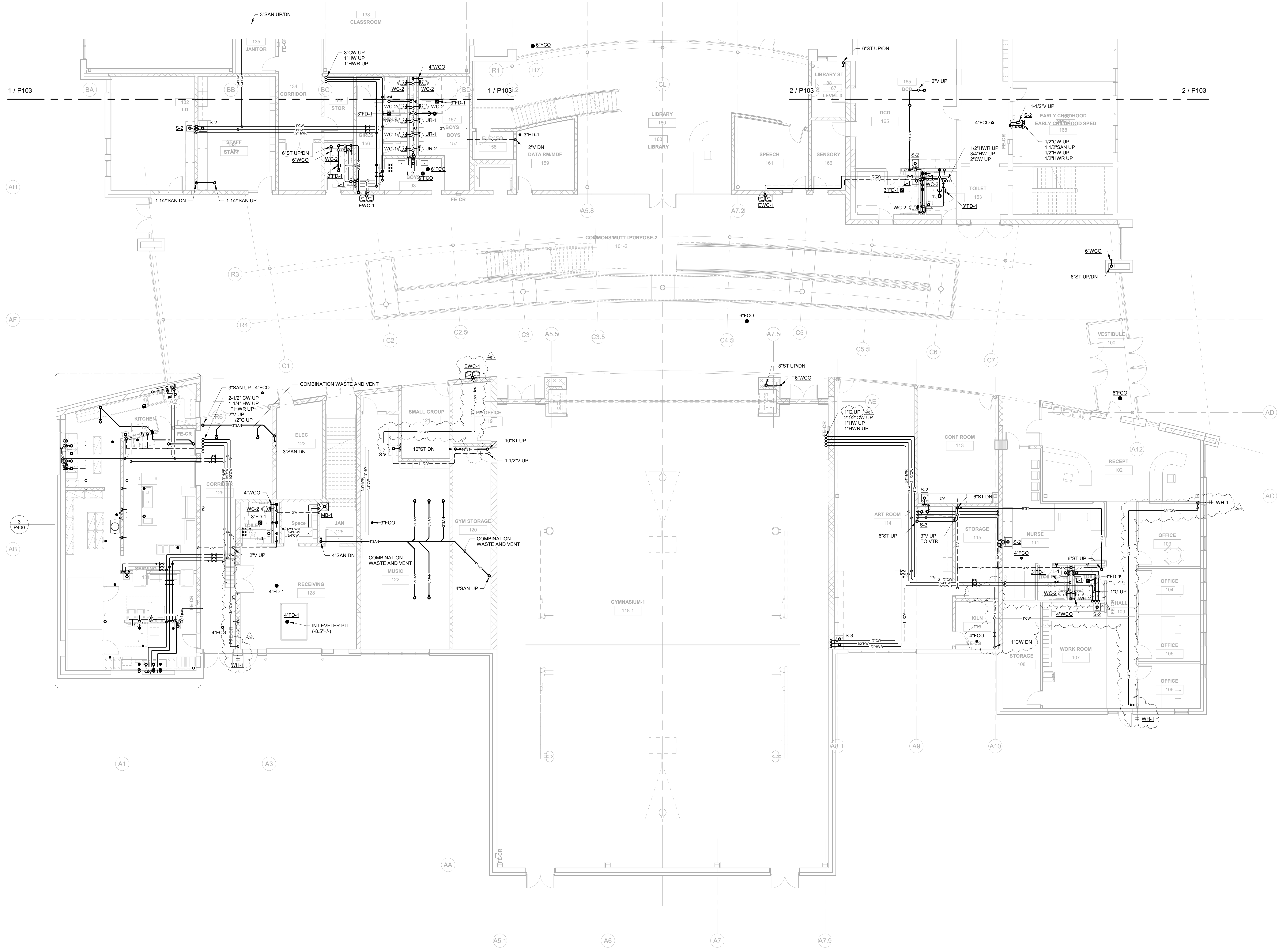
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Revisions:

| No. | Description | Date    |
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| A01 | ADDENDUM 1  | 3.16.20 |

Graphic Scale:  
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Last Update:  
**3/16/2020 10:01:40 AM**

**P102**



**1**  
P102 **FIRST FLOOR PLAN - PLUMBING - AREA A**  
SCALE: 1/8" = 1'-0"

SEE ISOMETRIC ON SHEET P300, 303 AND P306 FOR FURTHER EXPLANATION OF PIPING IN THIS AREA.



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JDR PROJECT NO. 19.0361

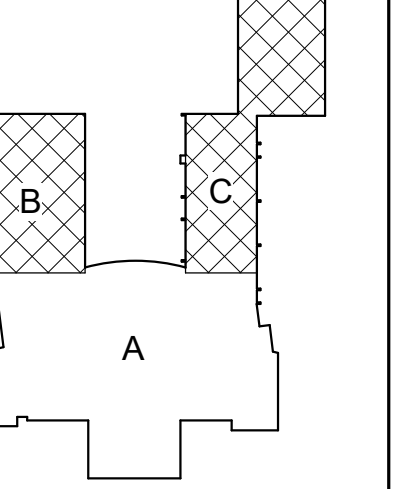
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**LA CRESCENT - HOKAH PUBLIC SCHOOLS  
ELEMENTARY SCHOOL**  
Project Location:  
504 SOUTH OAK STREET  
LA CRESCENT, MINNESOTA  
Sheet Title:  
**FIRST FLOOR PLAN - PLUMBING - AREA B & C**

HSR Project Number:  
**19014-1**

Project Date:  
**3.5.2020**

Drawn By:  
**JDR**

Key Plan:



KEY PLAN

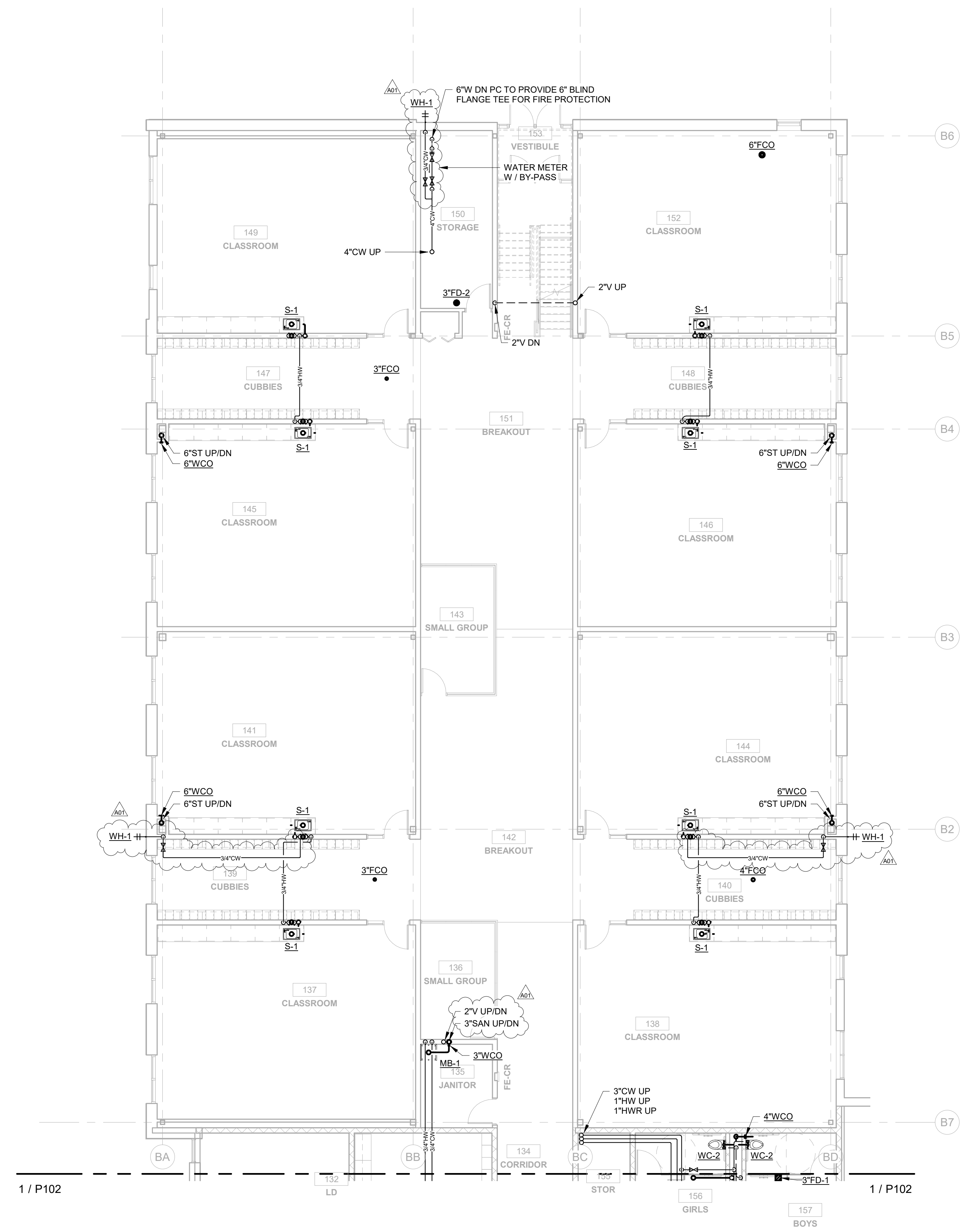
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| No. | Description | Date    |
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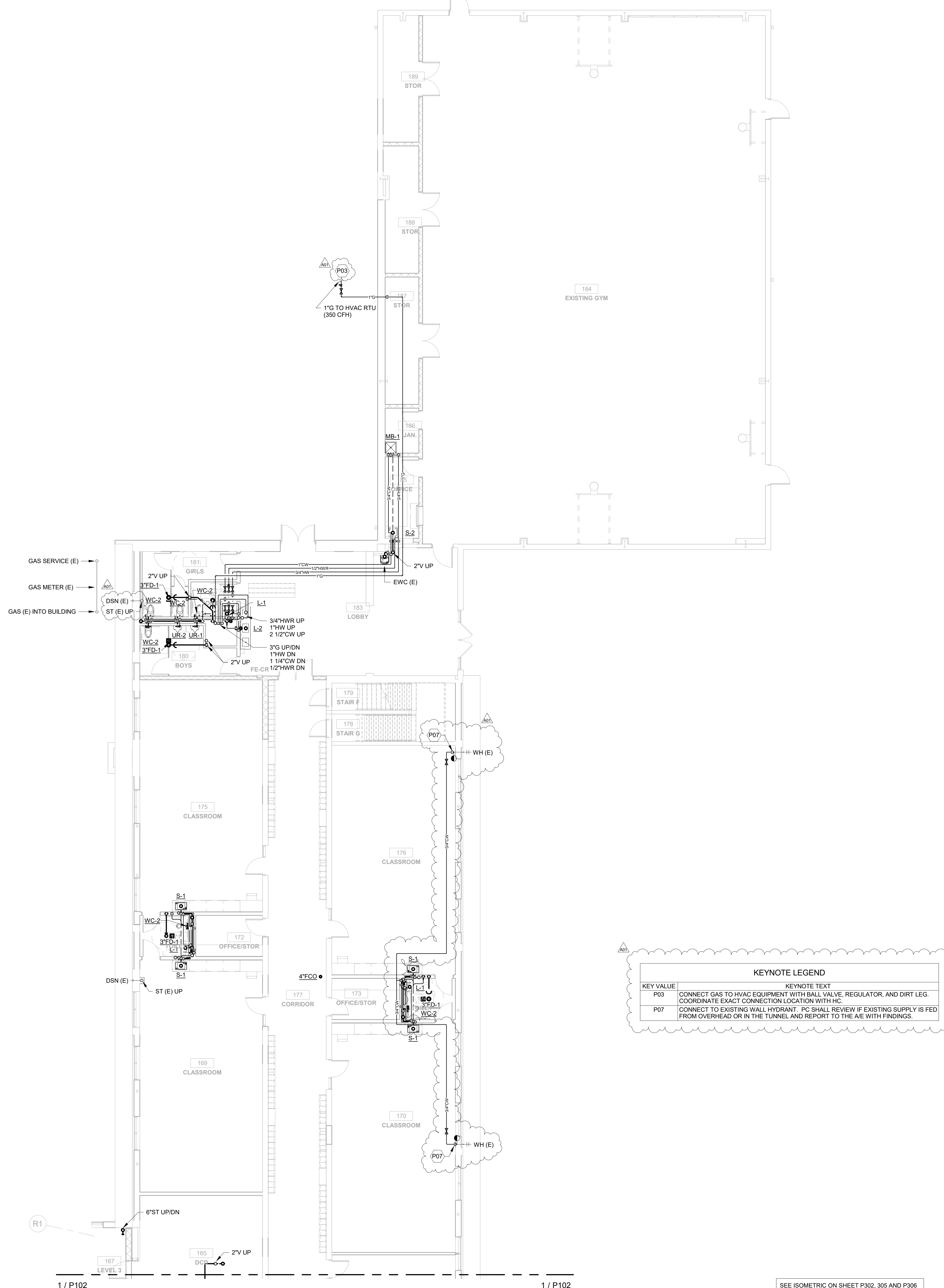
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Last Update:  
**3/16/2020 10:01:57 AM**

**P103**



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



**2 FIRST FLOOR PLAN - PLUMBING - AREA C**  
SCALE: 1/8" = 1'-0"

| KEY VALUE | KEYNOTE TEXT  |
|-----------|---|
| P03       | CONNECT GAS TO HVAC EQUIPMENT WITH BALL VALVE, REGULATOR, AND DIRT LEG. COORDINATE EXACT CONNECTION LOCATION WITH HC.                           |
| P07       | CONNECT TO EXISTING WALL HYDRANT. PC SHALL REVIEW IF EXISTING SUPPLY IS FED FROM OVERHEAD OR IN THE TUNNEL AND REPORT TO THE A/E WITH FINDINGS. |

SEE ISOMETRIC ON SHEET P302, 305 AND P308 FOR FURTHER EXPLANATION OF PIPING IN THIS AREA.





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JDR PROJECT NO. 19.0361

LA CRESCENT - HOKAH PUBLIC SCHOOLS  
ELEMENTARY SCHOOL

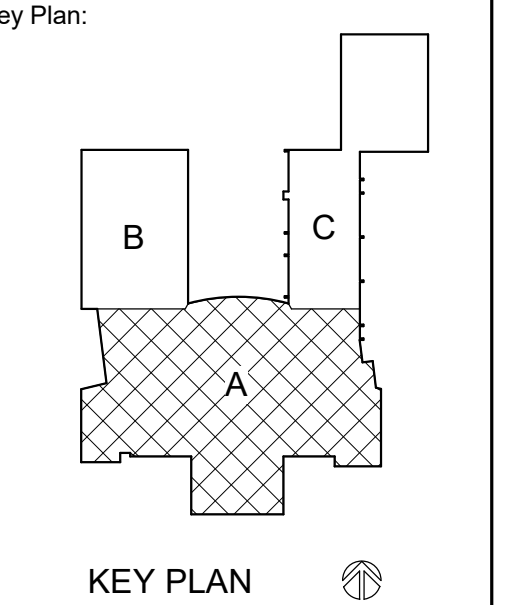
504 SOUTH OAK STREET  
LA CRESCENT, MINNESOTA

WASTE & VENT ISOMETRIC - SOUTH

Project Title:  
HSR Project Number:  
**19014-1**

Project Date:  
**3.5.2020**

Drawn By:  
**JDR**



**BID DOCUMENTS**

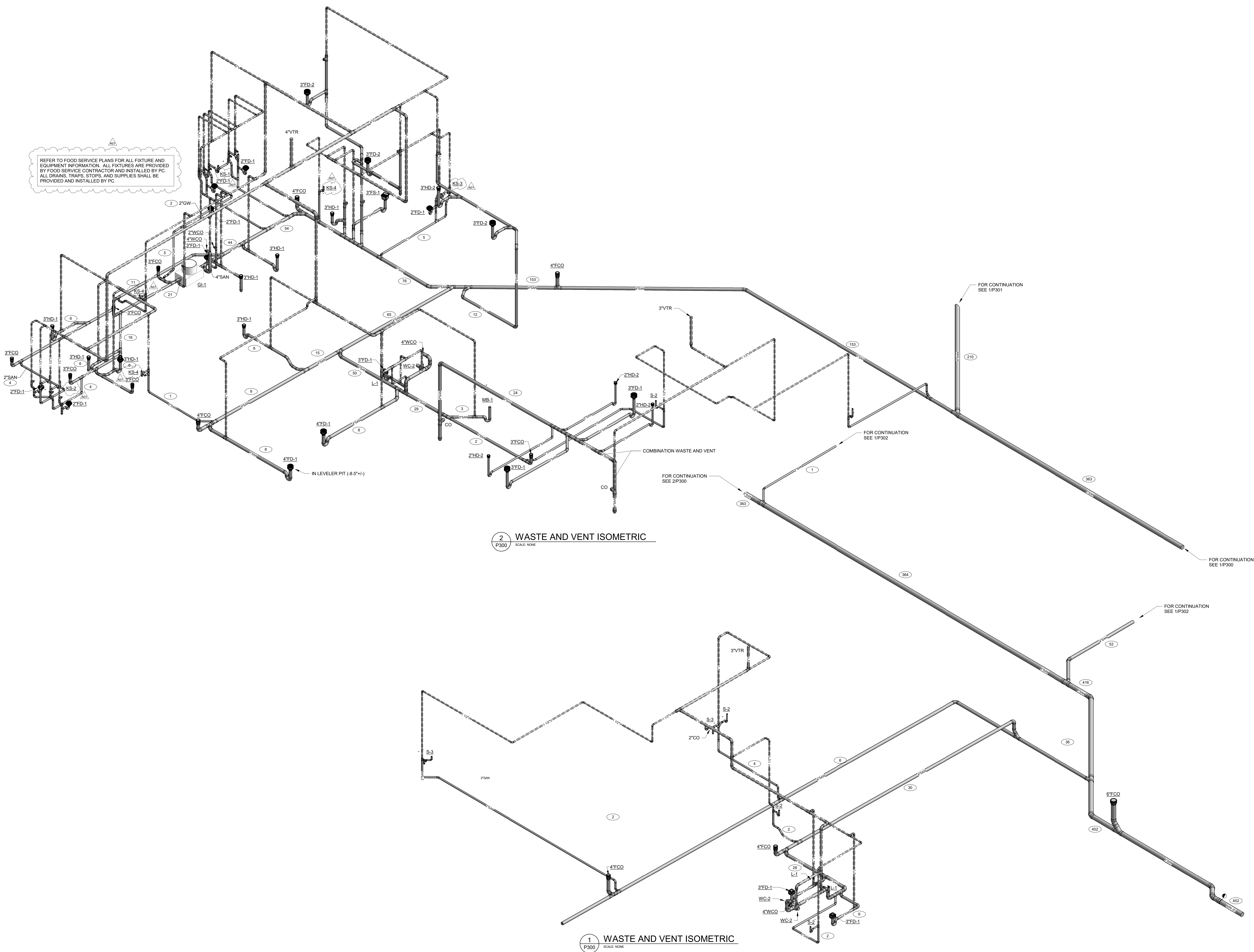
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| A01 | ADDENDUM 1  | 3.16.20 |

Graphic Scale:

Last Update:  
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**P300**

REFER TO FOOD SERVICE PLANS FOR ALL FIXTURE AND EQUIPMENT INFORMATION. ALL FIXTURES ARE PROVIDED BY FOOD SERVICE CONTRACTOR AND INSTALLED BY PC. ALL DRAINS, TRAPS, STOPS, AND SUPPLIES SHALL BE PROVIDED AND INSTALLED BY PC.



**2 WASTE AND VENT ISOMETRIC**  
SCALE: NONE

**1 WASTE AND VENT ISOMETRIC**  
SCALE: NONE



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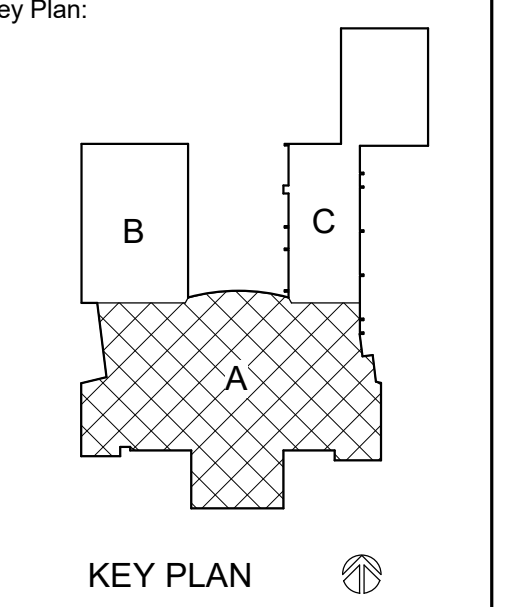
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JDR PROJECT NO. 19.0361

Project Title:  
**LA CRESCENT - HOKAH PUBLIC SCHOOLS  
ELEMENTARY SCHOOL**  
Project Location:  
504 SOUTH OAK STREET  
LA CRESCENT, MINNESOTA  
Sheet Title:  
**DOMESTIC WATER ISOMETRIC - SOUTH**

HSR Project Number:  
**19014-1**

Project Date:  
**3.5.2020**

Drawn By:  
**JDR**



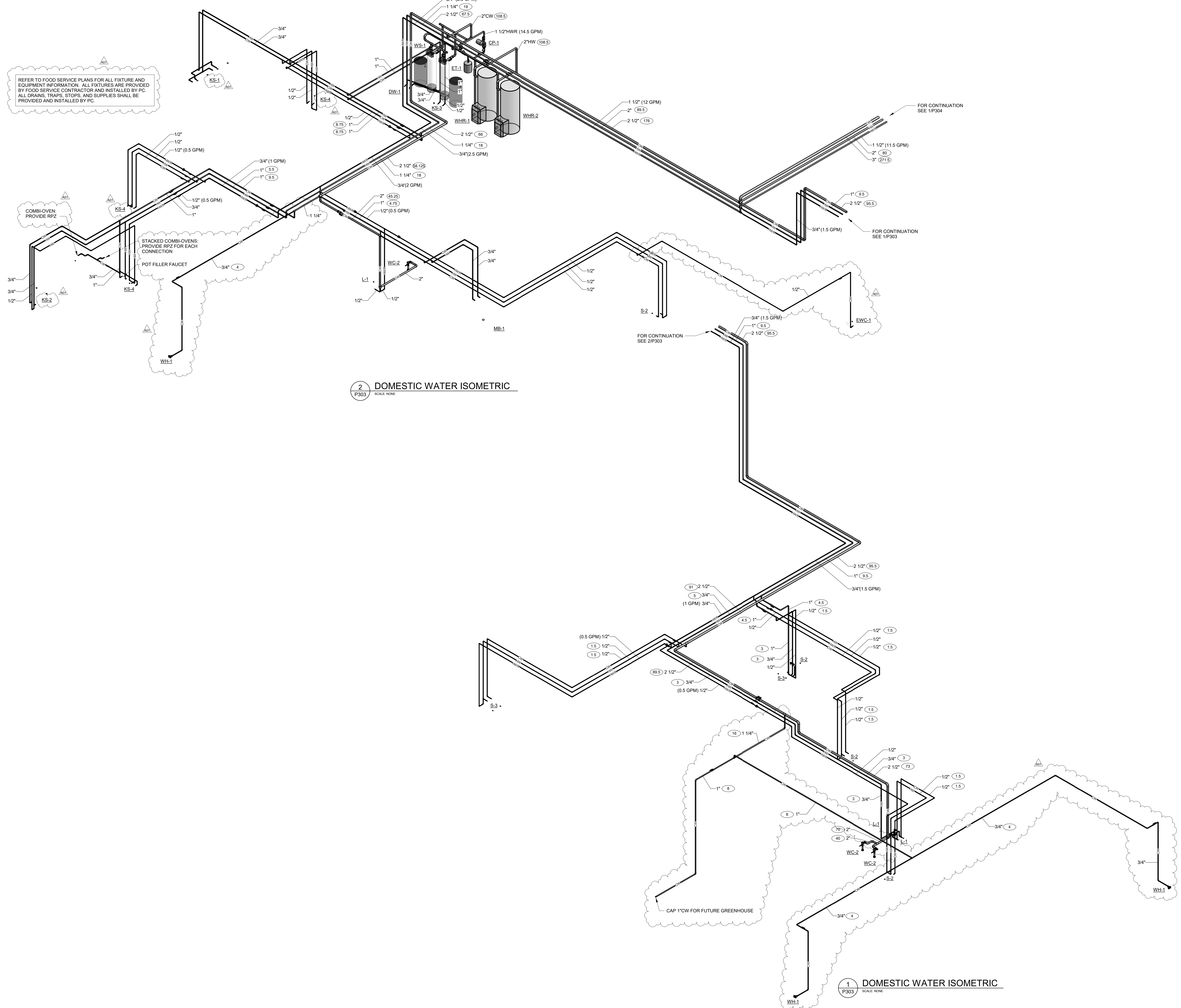
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DOCUMENTS**

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Graphic Scale:

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**P303**



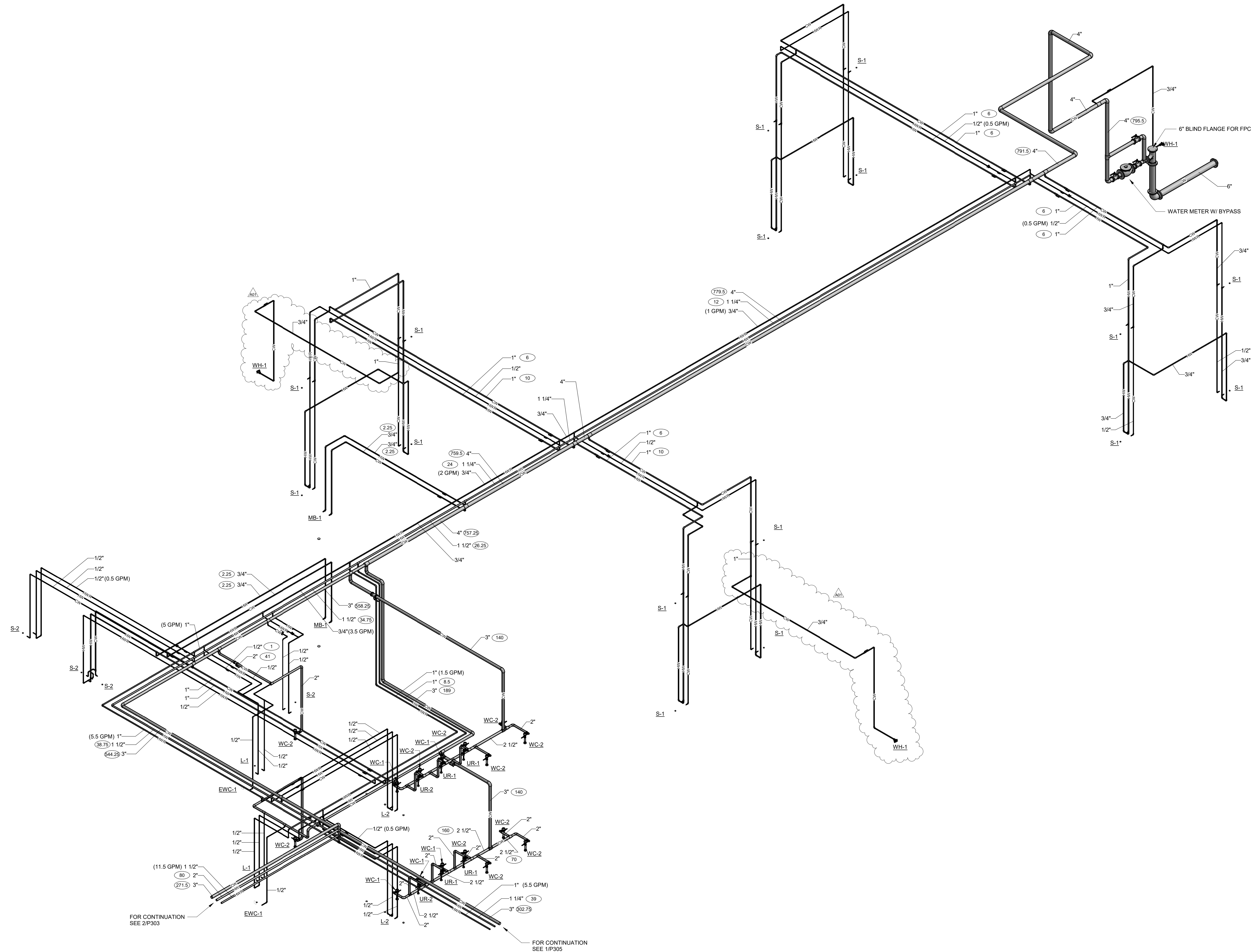
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SCALE: NONE

**1 DOMESTIC WATER ISOMETRIC**  
SCALE: NONE



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JDR PROJECT NO. 19.0361



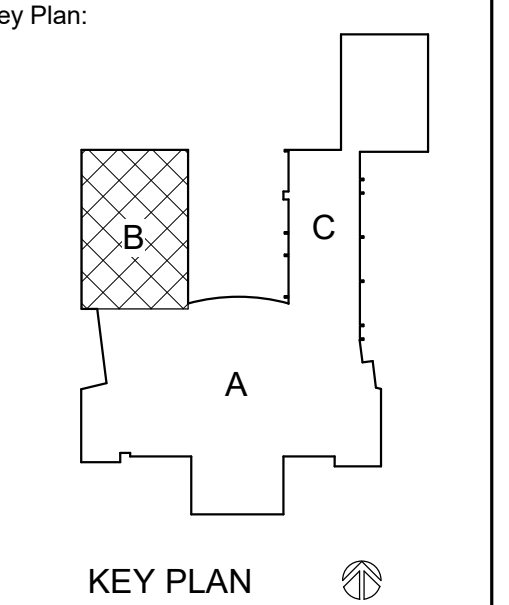
**1** DOMESTIC WATER ISOMETRIC  
P304 SCALE: NONE

Project Title: **LA CRESCENT - HOKAH PUBLIC SCHOOLS  
ELEMENTARY SCHOOL**  
Project Location: **504 SOUTH OAK STREET  
LA CRESCENT, MINNESOTA**  
Sheet Title: **DOMESTIC WATER ISOMETRIC - NORTHWEST**

Project Number: **19014-1**

Project Date: **3.5.2020**

Drawn By: **JDR**



**BID  
DOCUMENTS**

| No. | Description | Date    |
|-----|-------------|---------|
| A01 | ADDENDUM 1  | 3.16.20 |

Graphic Scale:

Last Update: **3/16/2020 10:05:18 AM**

**P304**



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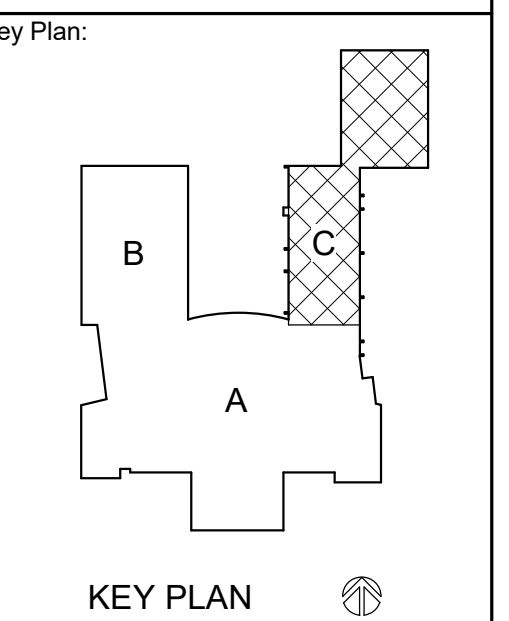
Consultant:  
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JDR PROJECT NO. 19.0361

Project Title:  
**LA CRESCENT - HOKAH PUBLIC SCHOOLS  
ELEMENTARY SCHOOL**  
Project Location:  
504 SOUTH OAK STREET  
LA CRESCENT, MINNESOTA  
Sheet Title:  
**DOMESTIC WATER ISOMETRIC - NORTHEAST**

HSR Project Number:  
**19014-1**

Project Date:  
**3.5.2020**

Drawn By:  
**JDR**



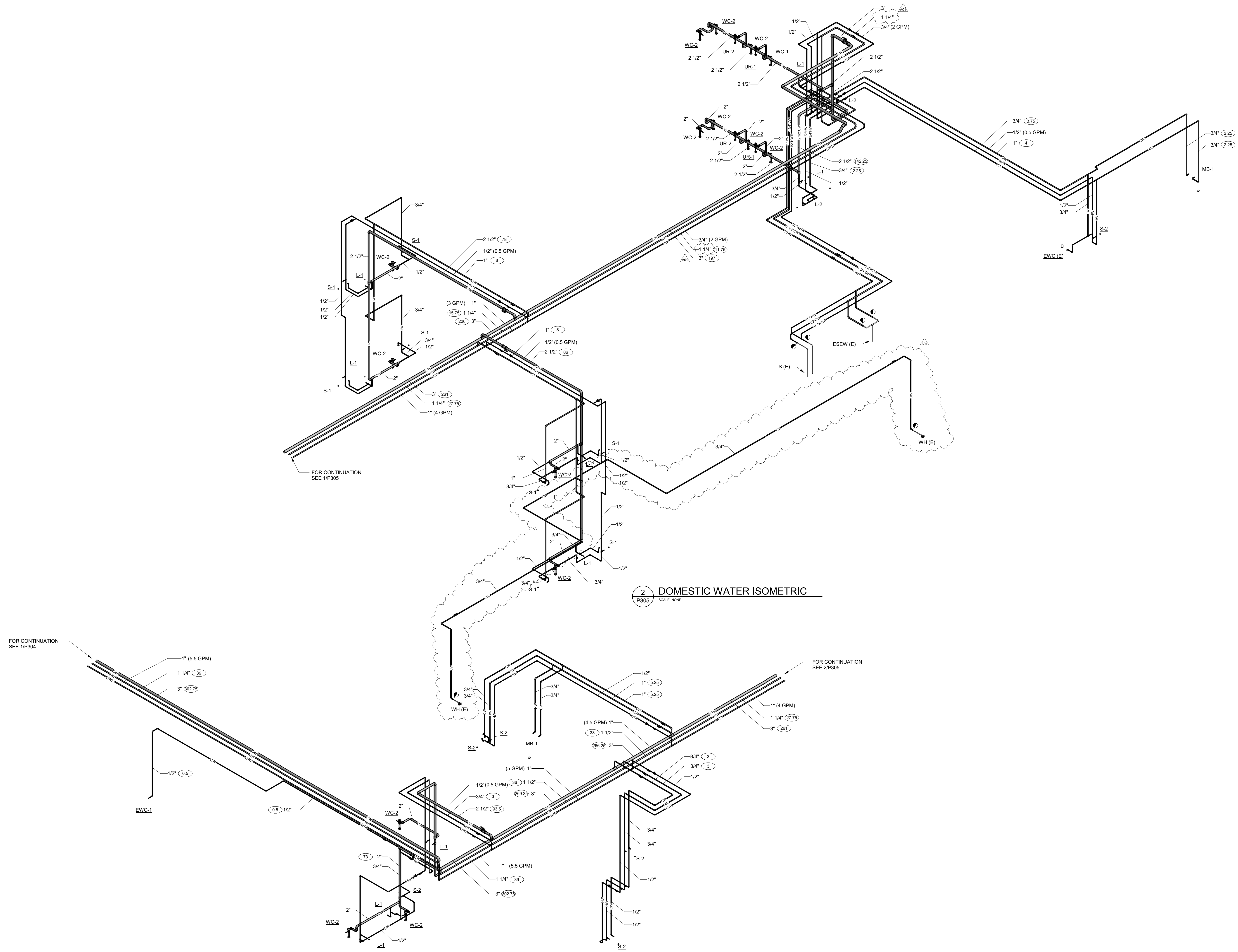
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|-----|-------------|---------|
| A01 | ADDENDUM 1  | 3.16.20 |

Graphic Scale:

Last Update:  
**3/16/2020 10:06:15 AM**

**P305**



**1** DOMESTIC WATER ISOMETRIC  
SCALE: NONE

**2** DOMESTIC WATER ISOMETRIC  
SCALE: NONE

FOR CONTINUATION  
SEE 1/P304

FOR CONTINUATION  
SEE 2/P305

FOR CONTINUATION  
SEE 1/P305



Consultant:

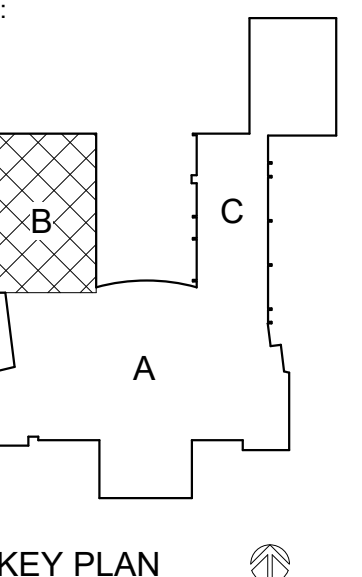
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ELEMENTARY SCHOOL**  
Project Location: **504 SOUTH OAK STREET  
LA CRESCENT, MINNESOTA**  
Sheet Title: **LEVEL 1 DUCTWORK REMODEL PLAN - AREA B**

HSR Project Number: **19014**

Project Date: **2/4/2020**

Drawn By: **LESCHER**

Key Plan:



KEY PLAN

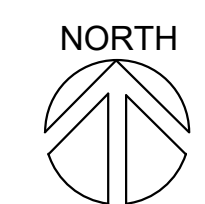
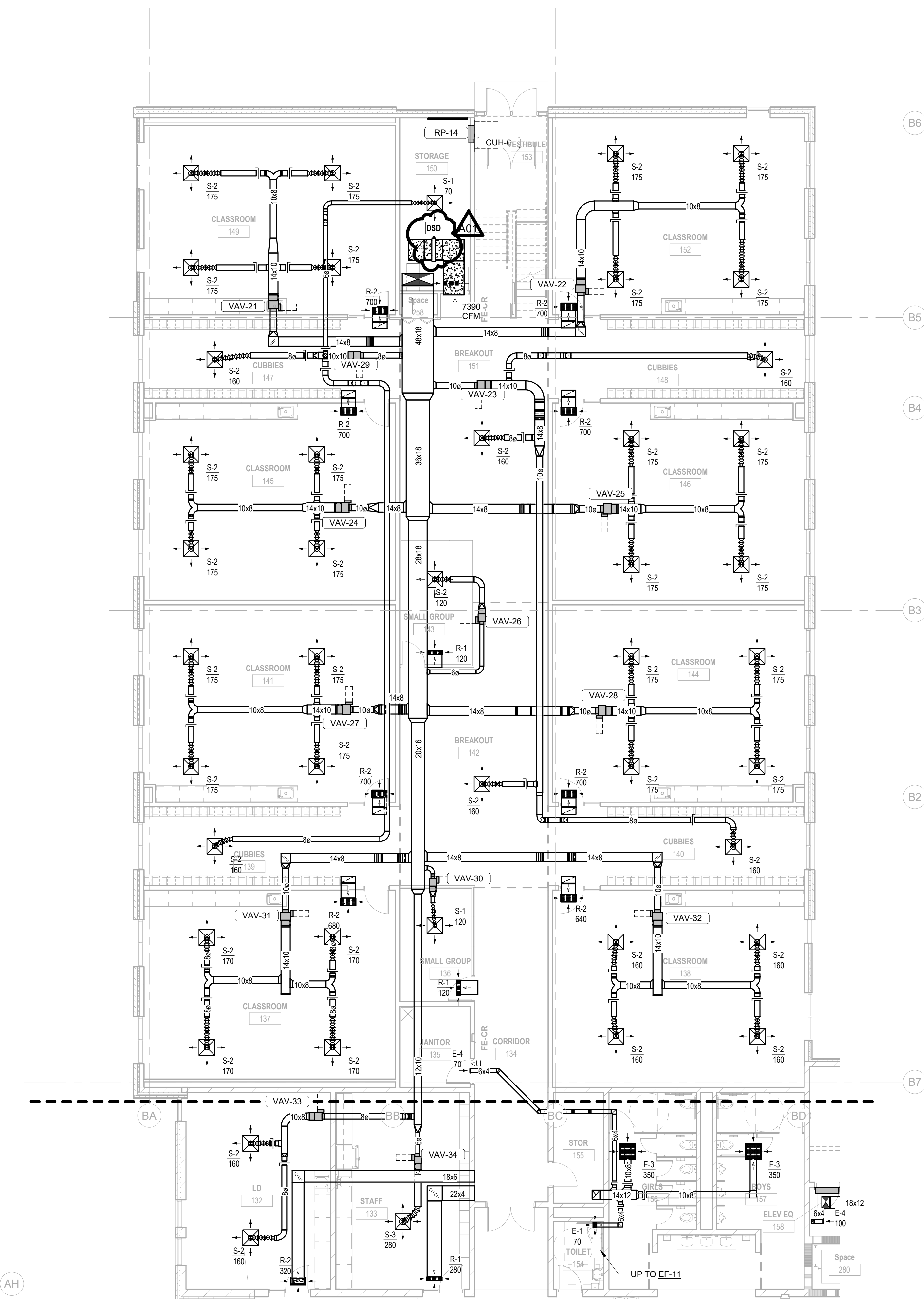
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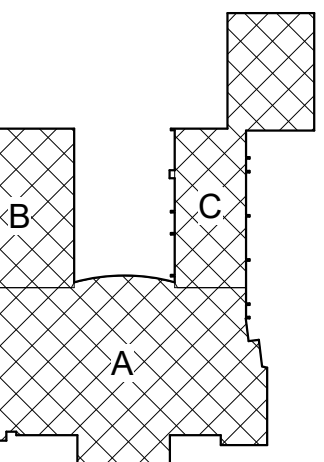
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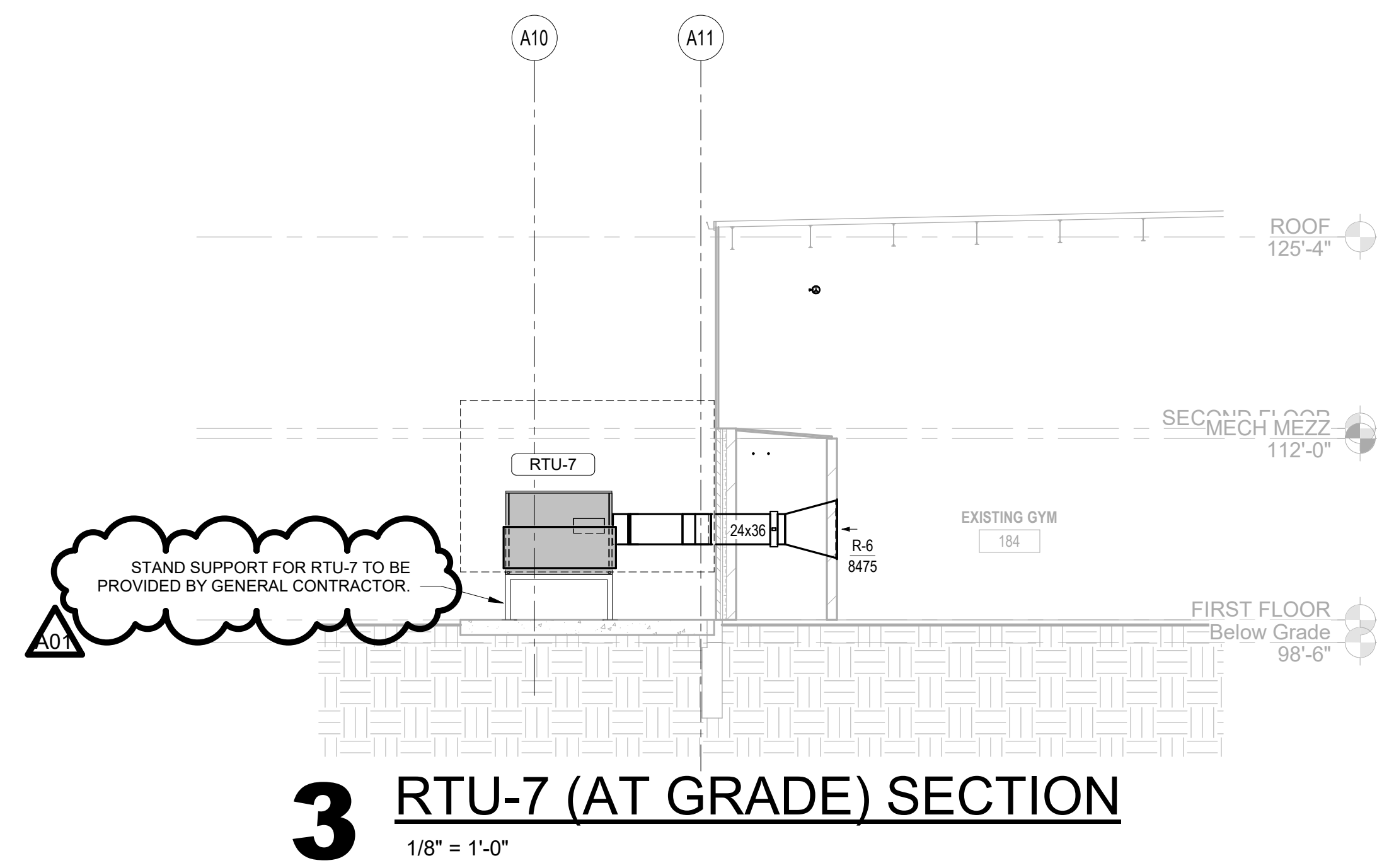
**M102**



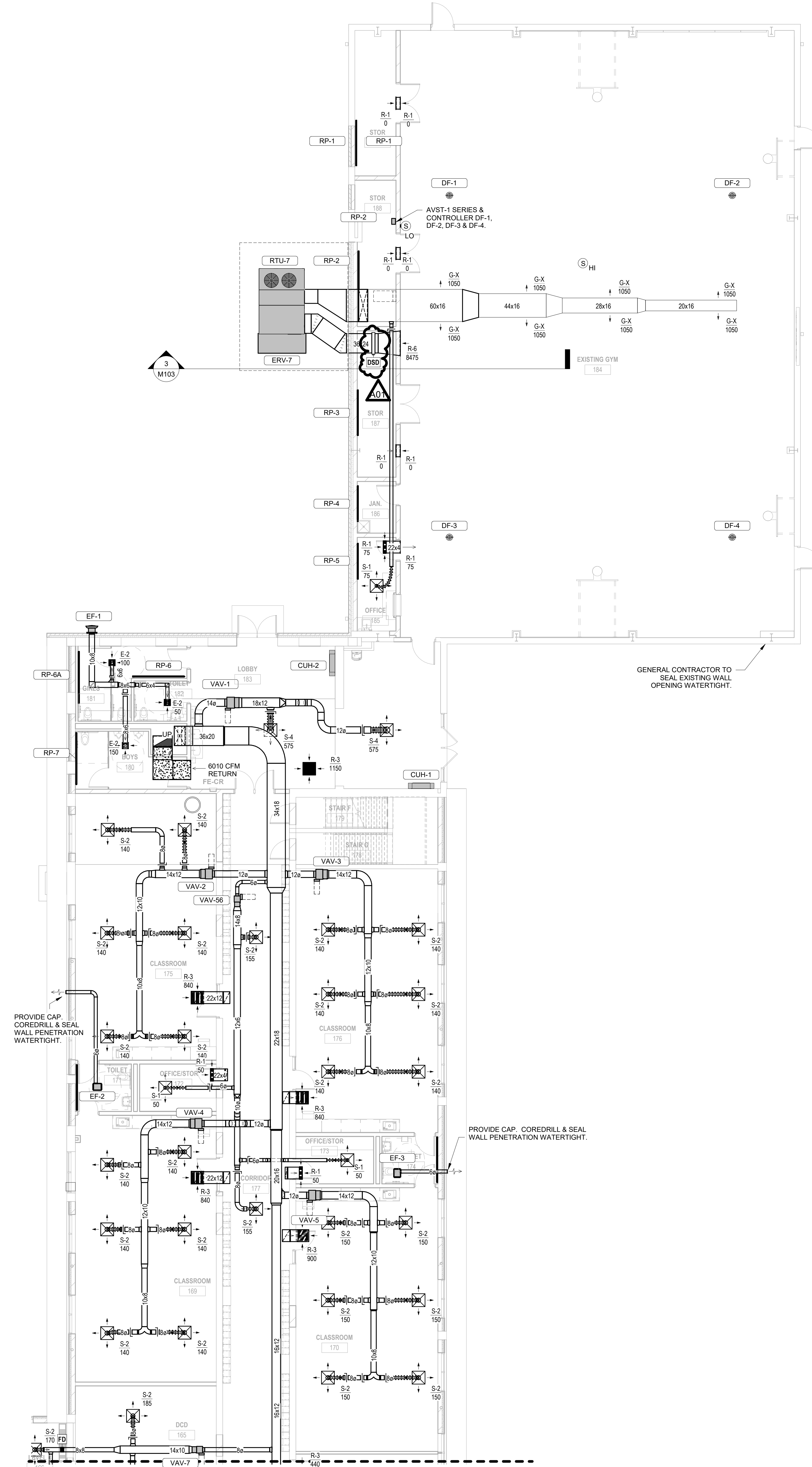
**1 DUCTWORK LEVEL 1 REMODEL PLAN - AREA B**  
1/8" = 1'-0"



| No. | Description | Date      |
|-----|-------------|-----------|
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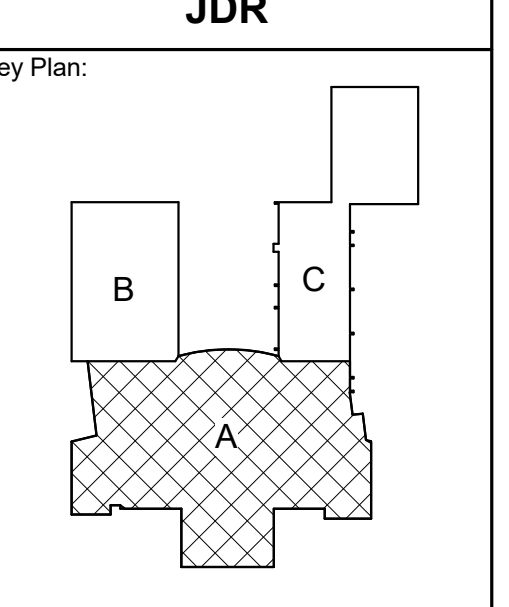


**3** RTU-7 (AT GRADE) SECTION  
1/8" = 1'-0"



**1** DUCTWORK LEVEL 1 REMODEL PLAN - AREA C  
1/8" = 1'-0"





KEY PLAN

**BID  
DOCUMENTS**

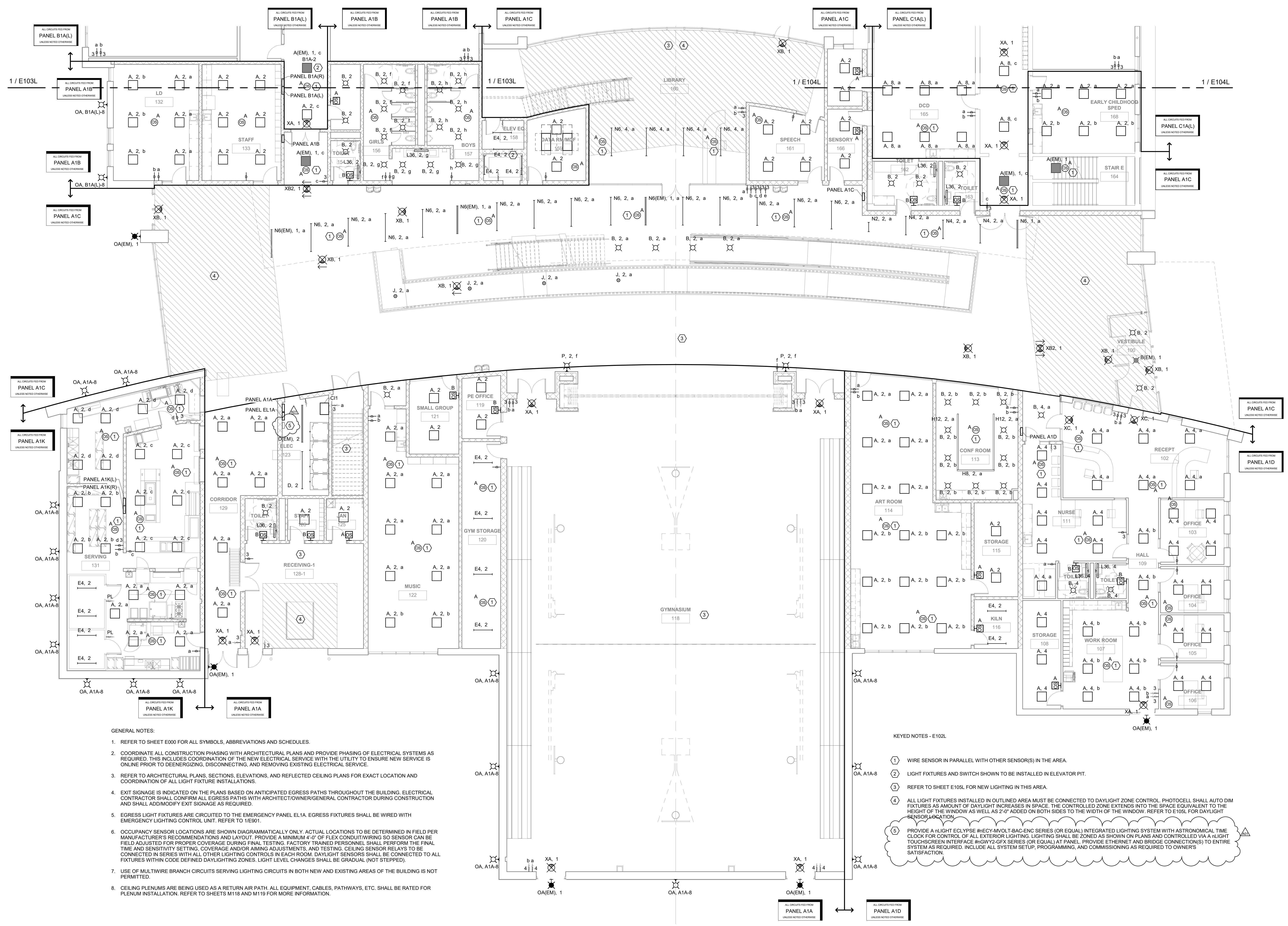
Revisions:

| No. | Description | Date    |
|-----|-------------|---------|
| A01 | ADDENDUM 1  | 3.16.20 |

Graphic Scale:  
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Last Update:  
**3/13/2020 11:40:09 AM**

**E102L**



- GENERAL NOTES:
- REFER TO SHEET E000 FOR ALL SYMBOLS, ABBREVIATIONS AND SCHEDULES.
  - COORDINATE ALL CONSTRUCTION PHASING WITH ARCHITECTURAL PLANS AND PROVIDE PHASING OF ELECTRICAL SYSTEMS AS REQUIRED. THIS INCLUDES COORDINATION OF THE NEW ELECTRICAL SERVICE WITH THE UTILITY TO ENSURE NEW SERVICE IS ONLINE PRIOR TO DEENERGIZING, DISCONNECTING, AND REMOVING EXISTING ELECTRICAL SERVICE.
  - REFER TO ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS FOR EXACT LOCATION AND COORDINATION OF ALL LIGHT FIXTURE INSTALLATIONS.
  - EXIT SIGNAGE IS INDICATED ON THE PLANS BASED ON ANTICIPATED EGRESS PATHS THROUGHOUT THE BUILDING. ELECTRICAL CONTRACTOR SHALL CONFIRM ALL EGRESS PATHS WITH ARCHITECT/OWNER/GENERAL CONTRACTOR DURING CONSTRUCTION AND SHALL ADD/MODIFY EXIT SIGNAGE AS REQUIRED.
  - EGRESS LIGHT FIXTURES ARE CIRCUITED TO THE EMERGENCY PANEL EL1A. EGRESS FIXTURES SHALL BE WIRED WITH EMERGENCY LIGHTING CONTROL UNIT. REFER TO 1/E901.
  - OCCUPANCY SENSOR LOCATIONS ARE SHOWN DIAGRAMMATICALLY 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 SETTING, 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).
  - USE OF MULTIWIRE BRANCH CIRCUITS SERVING LIGHTING CIRCUITS IN BOTH NEW AND EXISTING AREAS OF THE BUILDING IS NOT PERMITTED.
  - CEILING PLENUMS ARE BEING USED AS A RETURN AIR PATH. ALL EQUIPMENT, CABLES, PATHWAYS, ETC. SHALL BE RATED FOR PLENUM INSTALLATION. REFER TO SHEETS M118 AND M119 FOR MORE INFORMATION.

- KEYED NOTES - E102L
- WIRE SENSOR IN PARALLEL WITH OTHER SENSOR(S) IN THE AREA.
  - LIGHT FIXTURES AND SWITCH SHOWN TO BE INSTALLED IN ELEVATOR PIT.
  - REFER TO SHEET E105L FOR NEW LIGHTING IN THIS AREA.
  - ALL LIGHT FIXTURES INSTALLED IN OUTLINED AREA MUST BE CONNECTED TO DAYLIGHT ZONE CONTROL. PHOTOCELL SHALL AUTO DIM FIXTURES AS AMOUNT OF DAYLIGHT INCREASES IN SPACE. THE CONTROLLED ZONE EXTENDS INTO THE SPACE EQUIVALENT TO THE HEIGHT OF THE WINDOW AS WELL AS 2'-0" ADDED ON BOTH SIDES TO THE WIDTH OF THE WINDOW. REFER TO E105L FOR DAYLIGHT SENSOR LOCATION.
  - PROVIDE A LIGHT ECLIPSE #ECY-MVOLT-BAC-ENC SERIES (OR EQUAL) INTEGRATED LIGHTING SYSTEM WITH ASTRONOMICAL TIME CLOCK FOR CONTROL OF ALL EXTERIOR LIGHTING. LIGHTING SHALL BE ZONED AS SHOWN ON PLANS AND CONTROLLED VIA A LIGHT TOUCHSCREEN INTERFACE #TOWY-GPY SERIES (OR EQUAL) AT PANEL. PROVIDE ETHERNET AND BRIDGE CONNECTION(S) TO ENTIRE SYSTEM AS REQUIRED. INCLUDE ALL SYSTEM SETUP, PROGRAMMING, AND COMMISSIONING AS REQUIRED TO OWNER'S SATISFACTION.





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JDR PROJECT NO. 19.0361

Project Title: **LA CRESCENT - HOKAH PUBLIC SCHOOLS  
ELEMENTARY SCHOOL**  
Project Location: **504 SOUTH OAK STREET  
LA CRESCENT, MINNESOTA**  
Sheet Title: **FIRST FLOOR - POWER & SYSTEMS - AREA A**

Project Number: **19014-1**  
Project Date: **3.5.2020**  
Drawn By: **JDR**

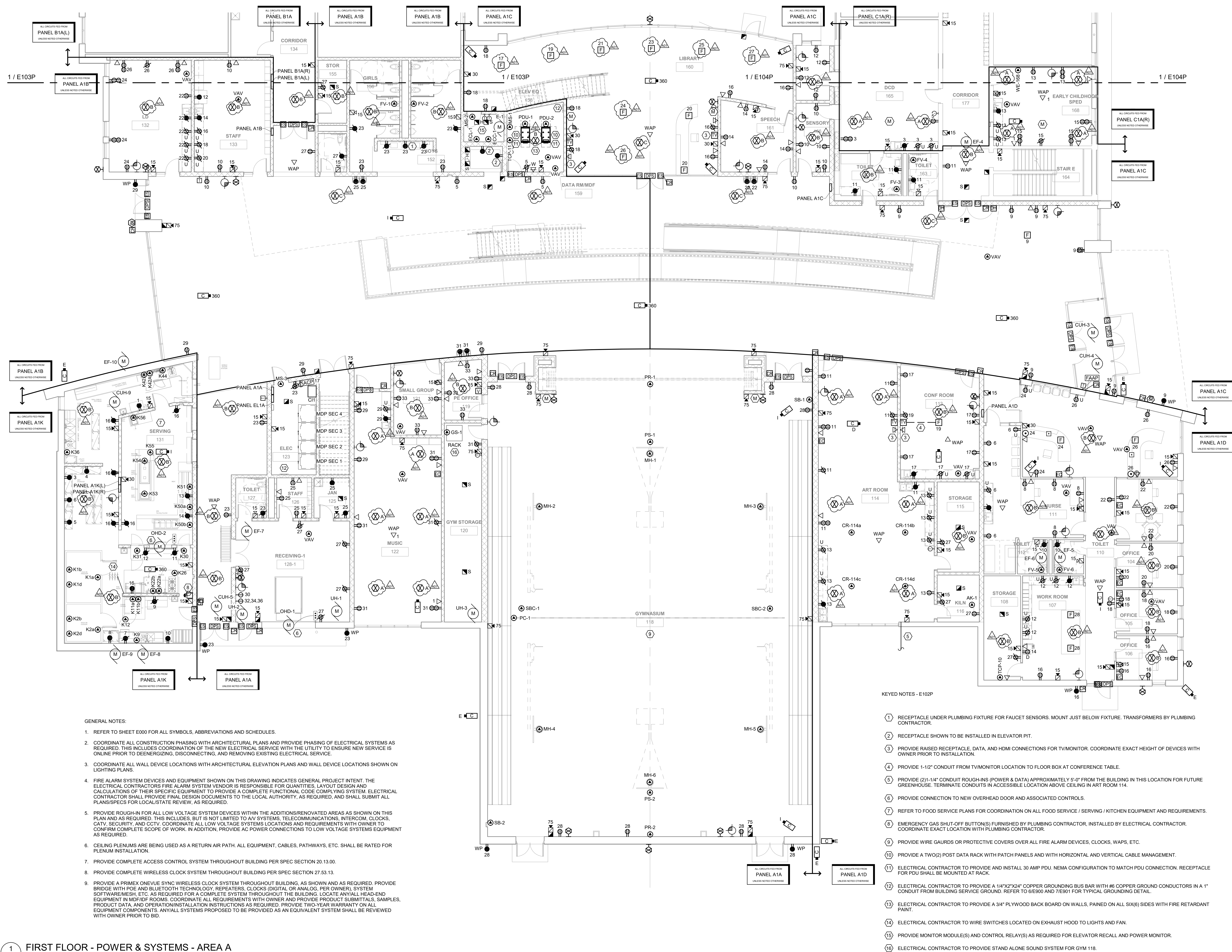
Key Plan:

**BID  
DOCUMENTS**

| No. | Description | Date    |
|-----|-------------|---------|
| A01 | ADDENDUM 1  | 3.16.20 |

Graphic Scale:  
0 2' 4' 8' 12'  
Last Update:  
**3/13/2020 11:40:23 AM**

**E102P**



**GENERAL NOTES:**

- REFER TO SHEET E000 FOR ALL SYMBOLS, ABBREVIATIONS AND SCHEDULES.
- COORDINATE ALL CONSTRUCTION PHASING WITH ARCHITECTURAL PLANS AND PROVIDE PHASING OF ELECTRICAL SYSTEMS AS REQUIRED. THIS INCLUDES COORDINATION OF THE NEW ELECTRICAL SERVICE WITH THE UTILITY TO ENSURE NEW SERVICE IS ONLINE PRIOR TO DEENERGIZING, DISCONNECTING, AND REMOVING EXISTING ELECTRICAL SERVICE.
- COORDINATE ALL WALL DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATION PLANS AND WALL DEVICE LOCATIONS SHOWN ON LIGHTING PLANS.
- FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING INDICATES GENERAL PROJECT INTENT. THE ELECTRICAL CONTRACTORS FIRE ALARM SYSTEM VENDOR IS RESPONSIBLE FOR QUANTITIES, LAYOUT DESIGN AND CALCULATIONS OF THEIR SPECIFIC EQUIPMENT TO PROVIDE A COMPLETE FUNCTIONAL CODE COMPLYING SYSTEM. ELECTRICAL CONTRACTOR SHALL PROVIDE FINAL DESIGN DOCUMENTS TO THE LOCAL AUTHORITY, AS REQUIRED, AND SHALL SUBMIT ALL PLANS/SPECS FOR LOCAL/STATE REVIEW, AS REQUIRED.
- PROVIDE ROUGH-IN FOR ALL LOW VOLTAGE SYSTEM 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, CCTV, 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.
- CEILING PLENUMS ARE BEING USED AS A RETURN AIR PATH. ALL EQUIPMENT, CABLES, PATHWAYS, ETC. SHALL BE RATED FOR PLENUM INSTALLATION.
- PROVIDE COMPLETE ACCESS CONTROL SYSTEM THROUGHOUT BUILDING PER SPEC SECTION 20.13.00.
- PROVIDE COMPLETE WIRELESS CLOCK SYSTEM THROUGHOUT BUILDING PER SPEC SECTION 27.53.13.
- PROVIDE A PRIMEX ONEVUE SYNC WIRELESS CLOCK SYSTEM THROUGHOUT BUILDING, AS SHOWN AND AS REQUIRED. PROVIDE BRIDGE WITH POE AND BLUETOOTH TECHNOLOGY, REPEATERS, CLOCKS (DIGITAL OR ANALOG, PER OWNER), SYSTEM SOFTWARE/MESH, ETC. AS REQUIRED FOR A COMPLETE SYSTEM THROUGHOUT THE BUILDING. LOCATE ANY/ALL HEAD-END EQUIPMENT IN MID/RID ROOMS. COORDINATE ALL REQUIREMENTS WITH OWNER AND PROVIDE PRODUCT SUBMITTALS, SAMPLES, PRODUCT DATA, AND OPERATION/INSTALLATION INSTRUCTIONS AS REQUIRED. PROVIDE TWO-YEAR WARRANTY ON ALL EQUIPMENT COMPONENTS. ANY/ALL SYSTEMS PROPOSED TO BE PROVIDED AS AN EQUIVALENT SYSTEM SHALL BE REVIEWED WITH OWNER PRIOR TO BID.

**KEYED NOTES - E102P**

- RECEPTACLE UNDER PLUMBING FIXTURE FOR FAUCET SENSORS. MOUNT JUST BELOW FIXTURE. TRANSFORMERS BY PLUMBING CONTRACTOR.
- RECEPTACLE SHOWN TO BE INSTALLED IN ELEVATOR PIT.
- PROVIDE RAISED RECEPTACLE, DATA, AND HDMI CONNECTIONS FOR TV/MONITOR. COORDINATE EXACT HEIGHT OF DEVICES WITH OWNER PRIOR TO INSTALLATION.
- PROVIDE 1-1/2" CONDUIT FROM TV/MONITOR LOCATION TO FLOOR BOX AT CONFERENCE TABLE.
- PROVIDE (2) 1-1/4" CONDUIT ROUGH-INS (POWER & DATA) APPROXIMATELY 5'-0" FROM THE BUILDING IN THIS LOCATION FOR FUTURE GREENHOUSE. TERMINATE CONDUITS IN ACCESSIBLE LOCATION ABOVE CEILING IN ART ROOM 114.
- PROVIDE CONNECTION TO NEW OVERHEAD DOOR AND ASSOCIATED CONTROLS.
- REFER TO FOOD SERVICE PLANS FOR COORDINATION ON ALL FOOD SERVICE / SERVING / KITCHEN EQUIPMENT AND REQUIREMENTS.
- EMERGENCY GAS SHUT-OFF BUTTON(S) FURNISHED BY PLUMBING CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
- PROVIDE WIRE GAUDES OR PROTECTIVE COVERS OVER ALL FIRE ALARM DEVICES, CLOCKS, WAPS, ETC.
- PROVIDE A TWO(2) POST DATA RACK WITH PATCH PANELS AND WITH HORIZONTAL AND VERTICAL CABLE MANAGEMENT.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL 30 AMP PDU. NEMA CONFIGURATION TO MATCH PDU CONNECTION. RECEPTACLE FOR PDU SHALL BE MOUNTED AT RACK.
- ELECTRICAL CONTRACTOR TO PROVIDE A 1/4"x2"x24" COPPER GROUNDING BUS BAR WITH #6 COPPER GROUND CONDUCTORS IN A 1" CONDUIT FROM BUILDING SERVICE GROUND. REFER TO 6/E900 AND 7/E901 FOR TYPICAL GROUNDING DETAIL.
- ELECTRICAL CONTRACTOR TO PROVIDE A 3/4" PLYWOOD BACK BOARD ON WALLS, PAINED ON ALL SIX(S) SIDES WITH FIRE RETARDANT PAINT.
- ELECTRICAL CONTRACTOR TO WIRE SWITCHES LOCATED ON EXHAUST HOOD TO LIGHTS AND FAN.
- PROVIDE MONITOR MODULE(S) AND CONTROL RELAY(S) AS REQUIRED FOR ELEVATOR RECALL AND POWER MONITOR.
- ELECTRICAL CONTRACTOR TO PROVIDE STAND ALONE SOUND SYSTEM FOR GYM 118.

**1** FIRST FLOOR - POWER & SYSTEMS - AREA A

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



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JDR PROJECT NO. 19.0361

Project Title:  
**LA CRESCENT - HOKAH PUBLIC SCHOOLS  
ELEMENTARY SCHOOL**

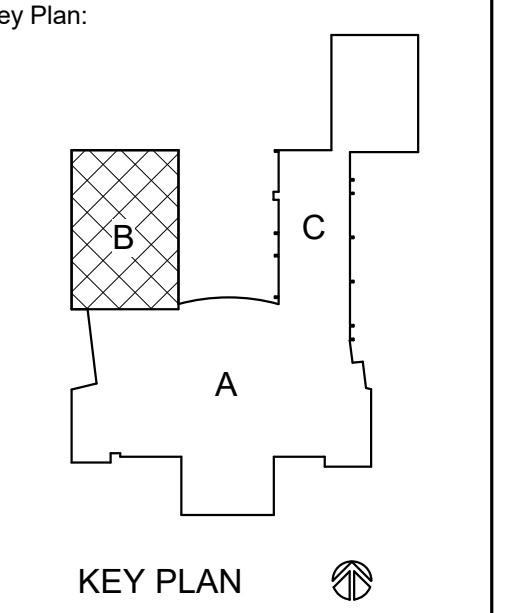
Project Location:  
504 SOUTH OAK STREET  
LA CRESCENT, MINNESOTA

Sheet Title:  
**FIRST FLOOR - POWER & SYSTEMS - AREA B**

Project Number:  
**19014-1**

Project Date:  
**3.5.2020**

Drawn By:  
**JDR**



**BID  
DOCUMENTS**

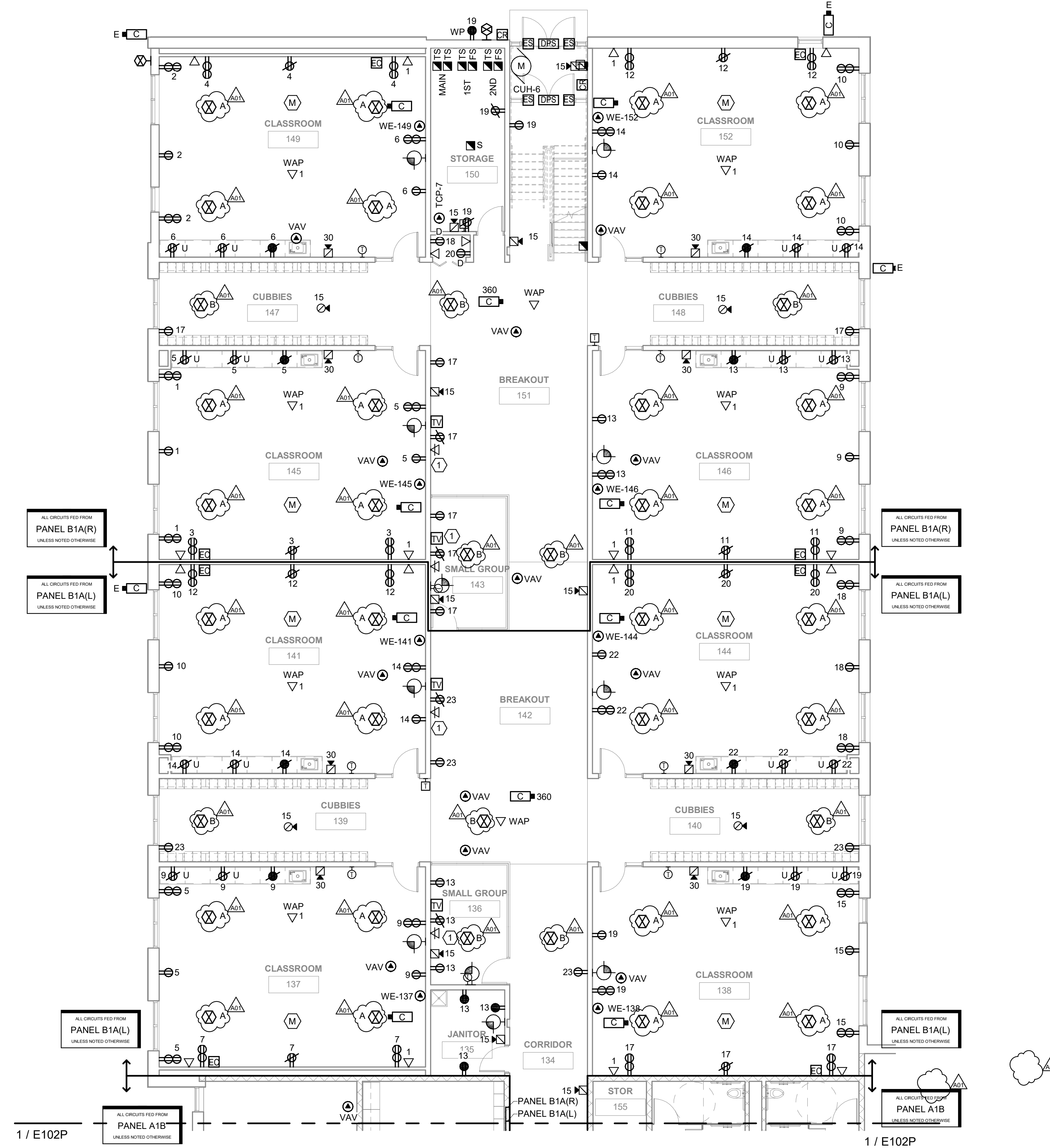
Revisions:

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| A01 | ADDENDUM 1  | 3.16.20 |

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

Last Update:  
**3/13/2020 11:40:35 AM**

**E103P**



**1 FIRST FLOOR - POWER & SYSTEMS - AREA B**  
E103P SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, ABBREVIATIONS AND SCHEDULES.
- COORDINATE ALL CONSTRUCTION PHASING WITH ARCHITECTURAL PLANS AND PROVIDE PHASING OF ELECTRICAL SYSTEMS AS REQUIRED. THIS INCLUDES COORDINATION OF THE NEW ELECTRICAL SERVICE WITH THE UTILITY TO ENSURE NEW SERVICE IS ONLINE PRIOR TO DEENERGIZING, DISCONNECTING, AND REMOVING EXISTING ELECTRICAL SERVICE.
- COORDINATE ALL WALL DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATION PLANS AND WALL DEVICE LOCATIONS SHOWN ON LIGHTING PLANS.
- FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING INDICATES GENERAL PROJECT INTENT. THE ELECTRICAL CONTRACTORS FIRE ALARM SYSTEM VENDOR IS RESPONSIBLE FOR QUANTITIES, LAYOUT DESIGN AND CALCULATIONS OF THEIR SPECIFIC EQUIPMENT TO PROVIDE A COMPLETE FUNCTIONAL CODE COMPLYING SYSTEM. ELECTRICAL CONTRACTOR SHALL PROVIDE FINAL DESIGN DOCUMENTS TO THE LOCAL AUTHORITY, AS REQUIRED, AND SHALL SUBMIT ALL PLANS/SPES FOR LOCAL STATE REVIEW, AS REQUIRED.
- PROVIDE ROUGH-IN FOR ALL LOW VOLTAGE SYSTEM 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.
- CEILING PLENUMS ARE BEING USED AS A RETURN AIR PATH. ALL EQUIPMENT, CABLES, PATHWAYS, ETC. SHALL BE RATED FOR PLENUM INSTALLATION.
- PROVIDE COMPLETE ACCESS CONTROL SYSTEM THROUGHOUT BUILDING PER SPEC SECTION 20.13.00.
- PROVIDE COMPLETE WIRELESS CLOCK SYSTEM THROUGHOUT BUILDING PER SPEC SECTION 27.53.13.
- PROVIDE A PRIMEX ONEVUE SYNC WIRELESS CLOCK SYSTEM THROUGHOUT BUILDING, AS SHOWN AND AS REQUIRED. PROVIDE BRIDGE WITH POE AND BLUETOOTH TECHNOLOGY, REPEATERS, CLOCKS (DIGITAL OR ANALOG, PER OWNER), SYSTEM SOFTWARE/MESH, ETC. AS REQUIRED FOR A COMPLETE SYSTEM THROUGHOUT THE BUILDING. LOCATE ANY ALL HEAD-END EQUIPMENT IN NETWORK ROOMS. COORDINATE ALL REQUIREMENTS WITH OWNER AND PROVIDE PRODUCT SUBMITTALS, SAMPLES, PRODUCT DATA, AND OPERATION/INSTALLATION INSTRUCTIONS AS REQUIRED. PROVIDE TWO-YEAR WARRANTY ON ALL EQUIPMENT COMPONENTS. ANY/ALL SYSTEMS PROPOSED TO BE PROVIDED AS AN EQUIVALENT SYSTEM SHALL BE REVIEWED WITH OWNER PRIOR TO BID.

KEYED NOTES - E103P

- PROVIDE RAISED RECEPTACLE, DATA, AND HDMI CONNECTIONS FOR TV/MONITOR. COORDINATE EXACT HEIGHT OF DEVICES WITH OWNER PRIOR TO INSTALLATION.



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JDR PROJECT NO. 19.0361

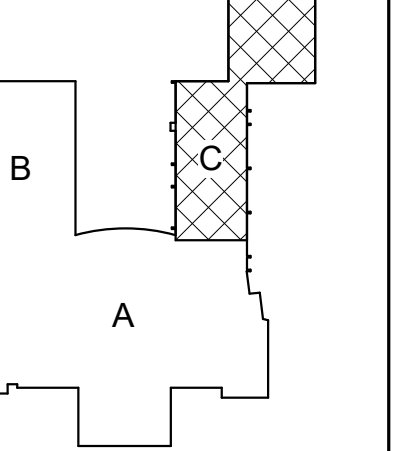
Project Title: **LA CRESCENT - HOKAH PUBLIC SCHOOLS  
ELEMENTARY SCHOOL**  
Project Location: **504 SOUTH OAK STREET  
LA CRESCENT, MINNESOTA**  
Sheet Title: **FIRST FLOOR - POWER & SYSTEMS - AREA C**

HSR Project Number: **19014-1**

Project Date: **3.5.2020**

Drawn By: **JDR**

Key Plan:



KEY PLAN

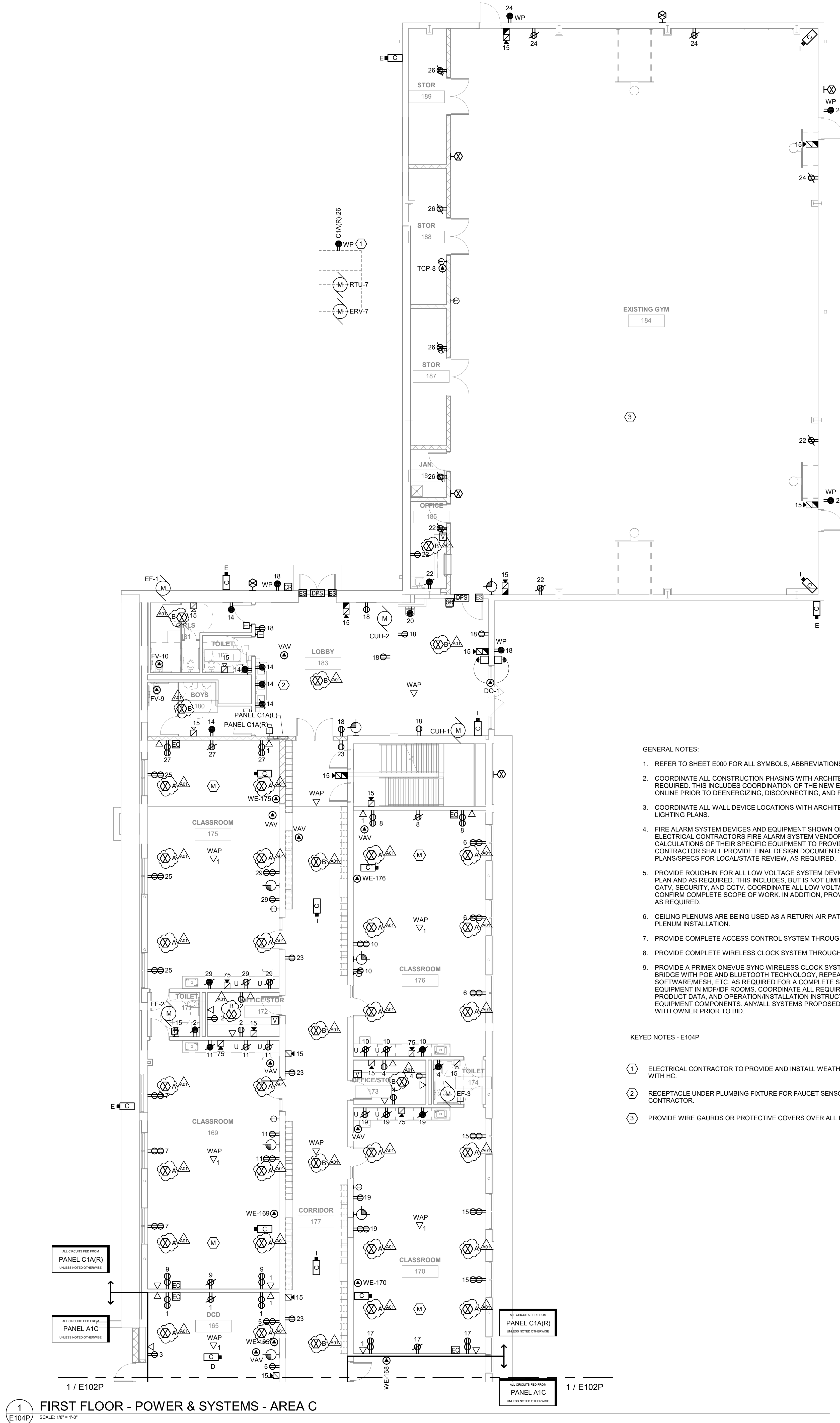
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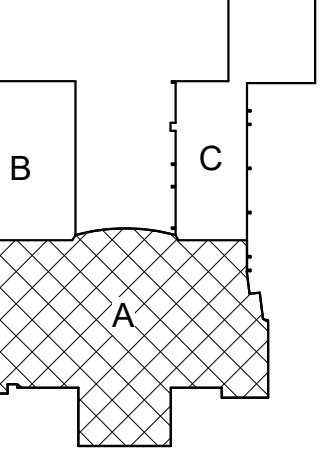
**E104P**



- GENERAL NOTES:
- REFER TO SHEET E000 FOR ALL SYMBOLS, ABBREVIATIONS AND SCHEDULES.
  - COORDINATE ALL CONSTRUCTION PHASING WITH ARCHITECTURAL PLANS AND PROVIDE PHASING OF ELECTRICAL SYSTEMS AS REQUIRED. THIS INCLUDES COORDINATION OF THE NEW ELECTRICAL SERVICE WITH THE UTILITY TO ENSURE NEW SERVICE IS ONLINE PRIOR TO DEENERGIZING, DISCONNECTING, AND REMOVING EXISTING ELECTRICAL SERVICE.
  - COORDINATE ALL WALL DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATION PLANS AND WALL DEVICE LOCATIONS SHOWN ON LIGHTING PLANS.
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  - PROVIDE ROUGH-IN FOR ALL LOW VOLTAGE SYSTEM 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.
  - CEILING PLENUMS ARE BEING USED AS A RETURN AIR PATH. ALL EQUIPMENT, CABLES, PATHWAYS, ETC. SHALL BE RATED FOR PLENUM INSTALLATION.
  - PROVIDE COMPLETE ACCESS CONTROL SYSTEM THROUGHOUT BUILDING PER SPEC SECTION 20.13.00.
  - PROVIDE COMPLETE WIRELESS CLOCK SYSTEM THROUGHOUT BUILDING PER SPEC SECTION 27.53.13.
  - PROVIDE A PRIMEX ONEUVE SYNC WIRELESS CLOCK SYSTEM THROUGHOUT BUILDING, AS SHOWN AND AS REQUIRED. PROVIDE BRIDGE WITH POE AND BLUETOOTH TECHNOLOGY, REPEATERS, CLOCKS (DIGITAL OR ANALOG, PER OWNER), SYSTEM SOFTWARE/MESH, ETC. AS REQUIRED FOR A COMPLETE SYSTEM THROUGHOUT THE BUILDING. LOCATE ANY/ALL HEAD-END EQUIPMENT IN MDF/IDF ROOMS. COORDINATE ALL REQUIREMENTS WITH OWNER AND PROVIDE PRODUCT SUBMITTALS, SAMPLES, PRODUCT DATA, AND OPERATION/INSTALLATION INSTRUCTIONS AS REQUIRED. PROVIDE TWO-YEAR WARRANTY ON ALL EQUIPMENT COMPONENTS. ANY/ALL SYSTEMS PROPOSED TO BE PROVIDED AS AN EQUIVALENT SYSTEM SHALL BE REVIEWED WITH OWNER PRIOR TO BID.

- KEYED NOTES - E104P
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL WEATHER PROOF GFCI RECEPTACLE AT HVAC UNIT. COORDINATE LOCATION WITH HC.
  - RECEPTACLE UNDER PLUMBING FIXTURE FOR FAUCET SENSORS. MOUNT JUST BELOW FIXTURE. TRANSFORMERS BY PLUMBING CONTRACTOR.
  - PROVIDE WIRE GAURDS OR PROTECTIVE COVERS OVER ALL FIRE ALARM DEVICES, CLOCKS, WAPS, ETC.

**1**  
E104P  
SCALE: 1/8" = 1'-0"  
**FIRST FLOOR - POWER & SYSTEMS - AREA C**

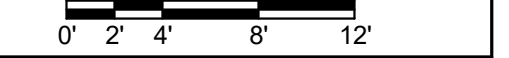


KEY PLAN

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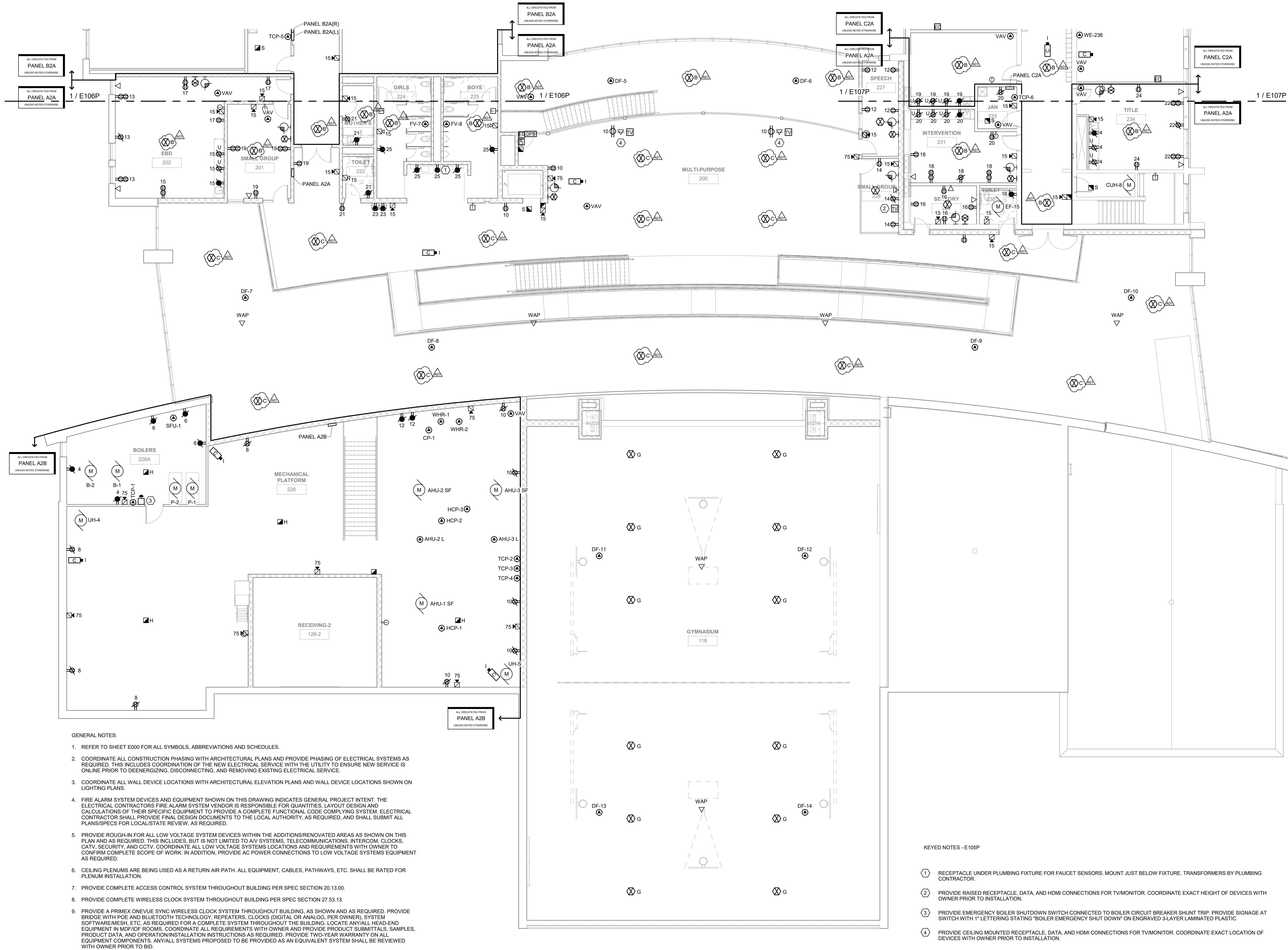
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| A01 | ADDENDUM 1  | 3.16.20 |

Graphic Scale:



Last Update:  
**3/13/2020 11:40:53 AM**

**E105P**



- GENERAL NOTES:
- REFER TO SHEET E000 FOR ALL SYMBOLS, ABBREVIATIONS AND SCHEDULES.
  - COORDINATE ALL CONSTRUCTION PHASING WITH ARCHITECTURAL PLANS AND PROVIDE PHASING OF ELECTRICAL SYSTEMS AS REQUIRED. THIS INCLUDES COORDINATION OF THE NEW ELECTRICAL SERVICE WITH THE UTILITY TO ENSURE NEW SERVICE IS ONLINE PRIOR TO DEENERGIZING, DISCONNECTING, AND REMOVING EXISTING ELECTRICAL SERVICE.
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  - FIRE ALARM SYSTEM DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING INDICATES GENERAL PROJECT INTENT. THE ELECTRICAL CONTRACTORS FIRE ALARM SYSTEM VENDOR IS RESPONSIBLE FOR QUANTITIES, LAYOUT DESIGN AND CALCULATIONS OF THEIR SPECIFIC EQUIPMENT TO PROVIDE A COMPLETE FUNCTIONAL CODE COMPLIING SYSTEM. ELECTRICAL CONTRACTOR SHALL PROVIDE FINAL DESIGN DOCUMENTS TO THE LOCAL AUTHORITY, AS REQUIRED, AND SHALL SUBMIT ALL PLANS/SPECS FOR LOCAL/STATE REVIEW, AS REQUIRED.
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- KEYED NOTES - E105P
- RECEPTACLE UNDER PLUMBING FIXTURE FOR FAUCET SENSORS. MOUNT JUST BELOW FIXTURE. TRANSFORMERS BY PLUMBING CONTRACTOR.
  - PROVIDE RAISED RECEPTACLE, DATA, AND HDMI CONNECTIONS FOR TV/MONITOR. COORDINATE EXACT HEIGHT OF DEVICES WITH OWNER PRIOR TO INSTALLATION.
  - PROVIDE EMERGENCY BOILER SHUTDOWN SWITCH CONNECTED TO BOILER CIRCUIT BREAKER SHUNT TRIP. PROVIDE SIGNAGE AT SWITCH WITH 1" LETTERING STATING "BOILER EMERGENCY SHUT DOWN" ON ENGRAVED 3-LAYER LAMINATED PLASTIC.
  - PROVIDE CEILING MOUNTED RECEPTACLE, DATA, AND HDMI CONNECTIONS FOR TV/MONITOR. COORDINATE EXACT LOCATION OF DEVICES WITH OWNER PRIOR TO INSTALLATION.



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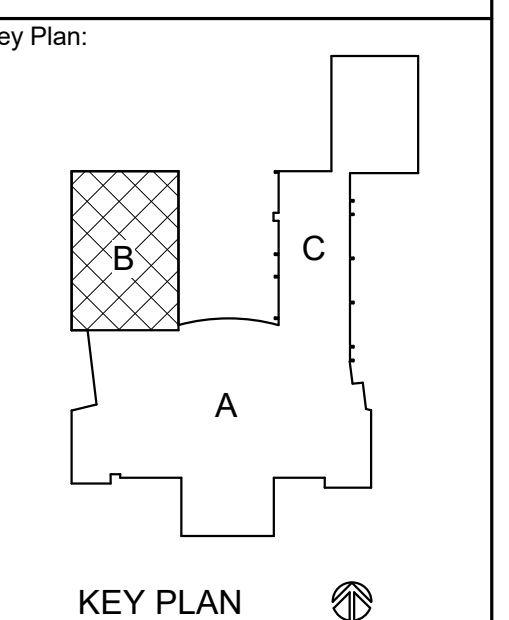
Consultant:  
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PH: 608.277.7278 FAX: 608.271.7046  
JDR PROJECT NO. 190361

Project Title:  
**LA CRESCENT - HOKAH PUBLIC SCHOOLS  
ELEMENTARY SCHOOL**  
Project Location:  
504 SOUTH OAK STREET  
LA CRESCENT, MINNESOTA  
Sheet Title:  
**SECOND FLOOR - POWER & SYSTEMS - AREA B**

HSR Project Number:  
**19014-1**

Project Date:  
**3.5.2020**

Drawn By:  
**JDR**



**BID  
DOCUMENTS**

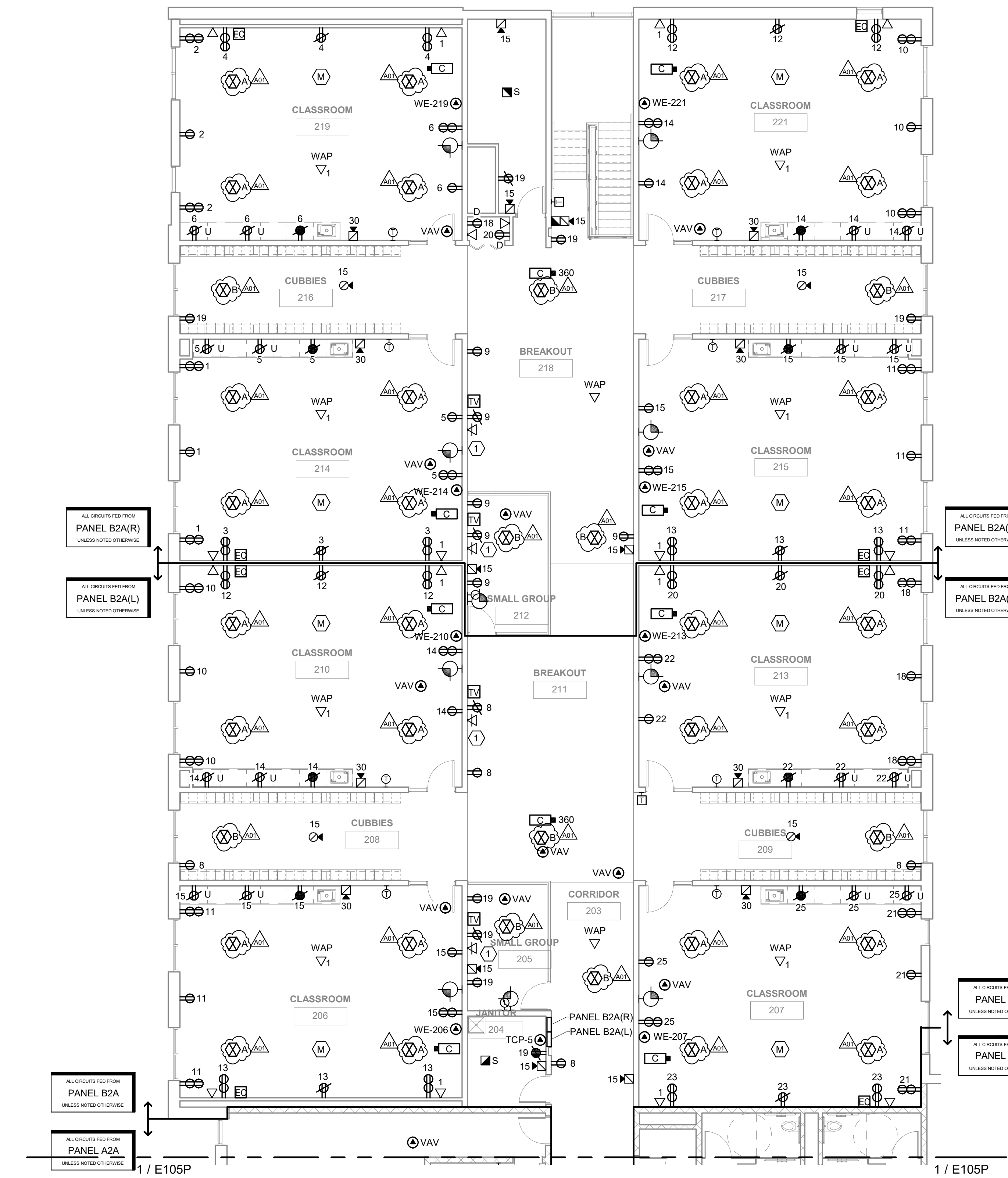
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| A01 | ADDENDUM 1  | 3.16.20 |

Graphic Scale:  
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Last Update:  
**3/13/2020 11:41:02 AM**

**E106P**



**1**  
**E106P** SCALE: 1/8" = 1'-0"  
**SECOND FLOOR - POWER & SYSTEMS - AREA B**

GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, ABBREVIATIONS AND SCHEDULES.
- COORDINATE ALL CONSTRUCTION PHASING WITH ARCHITECTURAL PLANS AND PROVIDE PHASING OF ELECTRICAL SYSTEMS AS REQUIRED. THIS INCLUDES COORDINATION OF THE NEW ELECTRICAL SERVICE WITH THE UTILITY TO ENSURE NEW SERVICE IS ONLINE PRIOR TO DEENERGIZING, DISCONNECTING, AND REMOVING EXISTING ELECTRICAL SERVICE.
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KEYED NOTES - E106P

- (1) PROVIDE RAISED RECEPTACLE, DATA, AND HDMI CONNECTIONS FOR TV/MONITOR. COORDINATE EXACT HEIGHT OF DEVICES WITH OWNER PRIOR TO INSTALLATION.



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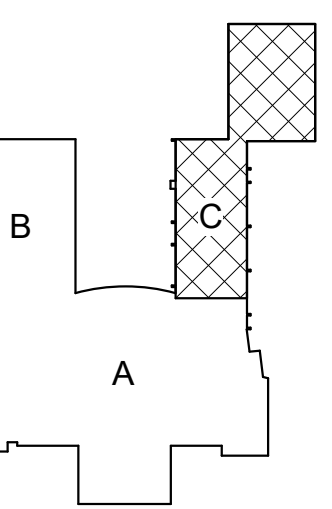
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JDR PROJECT NO. 19.0361

Project Title: **LA CRESCENT - HOKAH PUBLIC SCHOOLS  
ELEMENTARY SCHOOL**  
Project Location: **504 SOUTH OAK STREET  
LA CRESCENT, MINNESOTA**  
Sheet Title: **SECOND FLOOR - POWER & SYSTEMS - AREA C**

HSR Project Number: **19014-1**  
Project Date: **3.5.2020**

Drawn By: **JDR**

Key Plan:



KEY PLAN

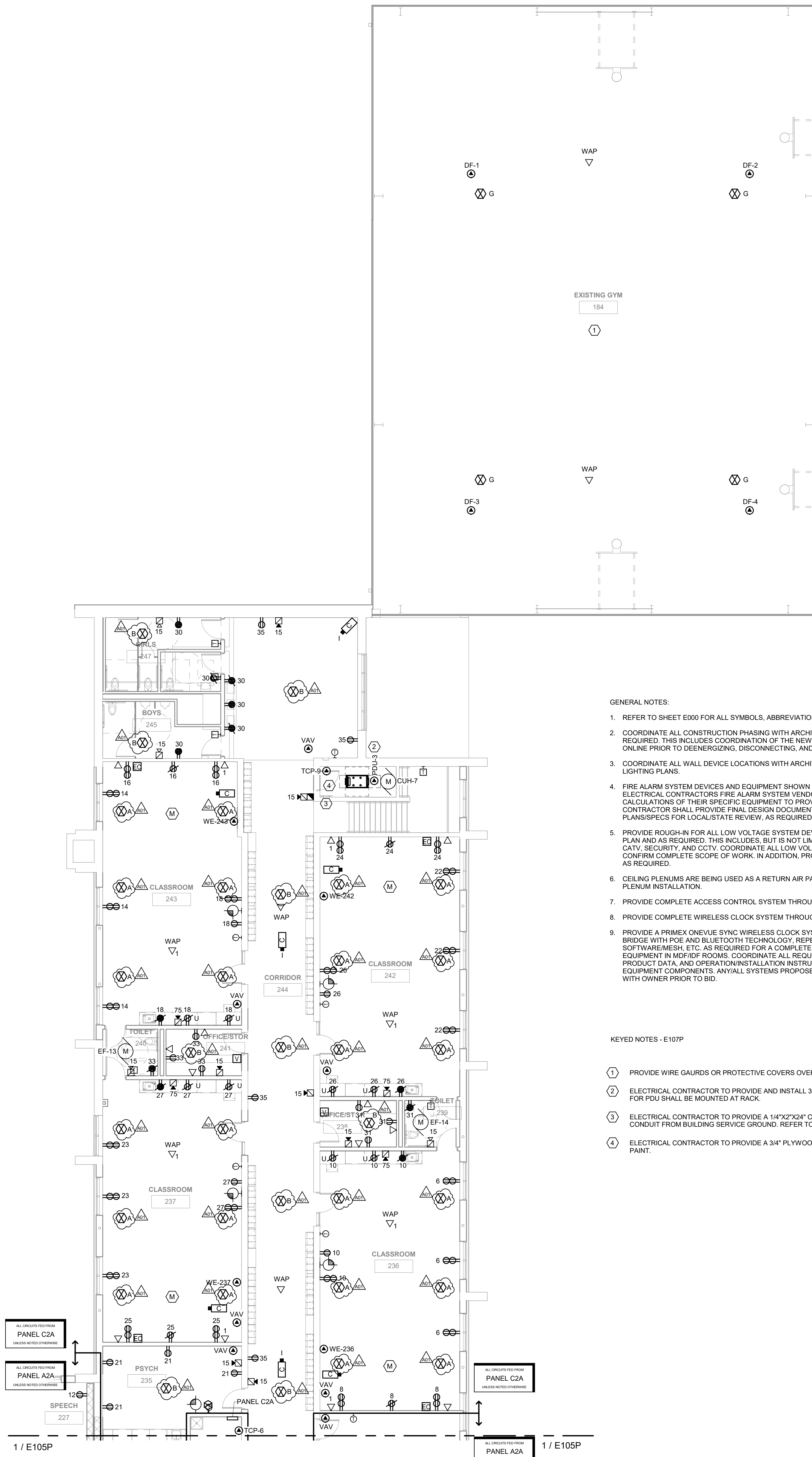
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| A01 | ADDENDUM 1  | 3.16.20 |

Graphic Scale:  
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Last Update:  
3/13/2020 11:41:10 AM

**E107P**



- GENERAL NOTES:
- REFER TO SHEET E000 FOR ALL SYMBOLS, ABBREVIATIONS AND SCHEDULES.
  - COORDINATE ALL CONSTRUCTION PHASING WITH ARCHITECTURAL PLANS AND PROVIDE PHASING OF ELECTRICAL SYSTEMS AS REQUIRED. THIS INCLUDES COORDINATION OF THE NEW ELECTRICAL SERVICE WITH THE UTILITY TO ENSURE NEW SERVICE IS ONLINE PRIOR TO DEENERGIZING, DISCONNECTING, AND REMOVING EXISTING ELECTRICAL SERVICE.
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- KEYED NOTES - E107P
- PROVIDE WIRE GAUDES OR PROTECTIVE COVERS OVER ALL FIRE ALARM DEVICES, CLOCKS, WAPS, ETC.
  - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL 30 AMP PDU. NEMA CONFIGURATION TO MATCH PDU CONNECTION. RECEPTACLE FOR PDU SHALL BE MOUNTED AT RACK.
  - ELECTRICAL CONTRACTOR TO PROVIDE A 14"x2"x24" COPPER GROUNDING BUS BAR WITH #6 COPPER GROUND CONDUCTORS IN A 1" CONDUIT FROM BUILDING SERVICE GROUND. REFER TO 8/E900 AND 7/E901 FOR TYPICAL GROUNDING DETAIL.
  - ELECTRICAL CONTRACTOR TO PROVIDE A 3/4" PLYWOOD BACK BOARD ON WALLS, PAINTED ON ALL SIX(6) SIDES WITH FIRE RETARDANT PAINT.

1 SECOND FLOOR - POWER & SYSTEMS - AREA C  
E107P SCALE: 1/8" = 1'-0"

