

# SUPERINTENDENT'S REPORT AND AGENDA

Regular Meeting of the Board of Education  
Independent School District No. 280, Richfield, Minnesota

Richfield Public Schools *inspires* and *empowers* each individual to learn, grow and *excel*

**Monday, August 5, 2019**

**7:00 pm School Board Meeting**

**Location: Central Education Center, 7145 Harriet Avenue South,  
Enter Door #5, Multi-Purpose Room**

- I. CALL TO ORDER
- II. REVIEW AND APPROVAL OF THE AGENDA
- III. INFORMATION AND PROPOSALS -- NON-ACTION ITEMS
  - A. Superintendent Update
    - 1. Spartan Foundation – Scholarship Check Award
    - 2. Construction Update
    - 3. PreK Programming Update
    - 4. Board Self-Evaluation
- IV. CONSENT AGENDA
  - A. Routine Matters
    - 1. Minutes of the regular meeting held July 15, 2019
    - 2. General Disbursements as of July 31, 2019 in the amount of \$8,423,413.03
  - B. Personnel Items
- V. OLD BUSINESS
  - A. Change Order #1 – RHS Facilities Project
  - B. Change Order #2 – RHS Facilities Project
  - C. Change Order #3 – RHS Facilities Project
  - D. Change Order #2 – RSTEM Facilities Project
  - E. Change Order #3 – RSTEM Facilities Project
  - F. Change Order #4 – RSTEM Facilities Project
  - G. Change Order #1 – RHS – Spring/Summer 2019 Asbestos Abatement
  - H. Change Order #5 – RDLS Facilities Project
- VI. NEW BUSINESS
  - A. Policy 585 Student Surveys

- B. Policy 582 and 582.1 Notification for Staff of Violent Behavior
- C. Policy 608 Education of Pupils with Disabilities

## VII. ADVANCE PLANNING

- A. Legislative Update
- B. Information and Questions from Board
  - 1. Summary of Closed Session – Superintendent Evaluation

### C. Future Meeting Dates

8-19-19	7:00pm	Regular Board Meeting – Public Comment
9-3-19 *Tuesday	7:00pm	Regular Board Meeting

### D. Suggested/Future Agenda Items

## VIII. ADJOURN REGULAR MEETING





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# Facilities Project Update

August 5, 2019

ics | CONSULTING, INC



# Current Project Design Status

- ▶ **Current Design Status**
  - ▶ **Centennial Elementary**
    - ▶ Design Documents have been completed and Construction Drawings are beginning with Mechanical Designs.
      - ▶ Estimates have been completed and are being reviewed in detail with ICS and WOLD.
  - ▶ **Sheridan Hills Elementary**
    - ▶ Design Documents have been completed and Construction Drawings are beginning with Mechanical Designs.
      - ▶ Estimate have been completed and are being reviewed in detail with ICS and WOLD.
  - ▶ **Middle School**
    - ▶ Design documents were issued on July 29 for estimates.
      - ▶ Expecting 3-4 weeks for estimating completion.



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# Current Project Status

## ▶ RDLS

### ▶ Kitchen

- ▶ Steel roof joists are in place.
- ▶ Interior block walls are complete
- ▶ Exterior waterproofing and brick work are underway.
- ▶ Roofing is underway.
- ▶ Kitchen walk-in cooler and freezers are being set in place.



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## Slide 3

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**AF1**

Andy Faulkner, 7/26/2019

# Current Project Status

- ▶ RDLS

- ▶ Media Addition

- ▶ Structural Steel is set
    - ▶ Roof Decking is being set
    - ▶ Roofing to begin
    - ▶ Waterproofing in place
    - ▶ Brick veneer work completed



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# Current Project Status

## ▶ RDLS

### ▶ Entrance Addition

- ▶ Structural Steel is set
- ▶ Roof Decking has been set
- ▶ Roofing to begin
- ▶ Waterproofing in place
- ▶ Brick veneer work completed



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# Current Project Status

- ▶ RDLS
  - ▶ Site Work
    - ▶ Pool demolition is underway
    - ▶ Underground storm water storage work is beginning



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## Current Project Status - RDLS



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# Current Project Status

## ▶ RSTEM

### ▶ Interior Renovations

- ▶ Bathroom renovations continue with Tile Install underway
- ▶ Media Center renovations continue
- ▶ Classroom mechanical units being set
- ▶ Flexible Learning space finishes continue
- ▶ Casework on site and ready to be installed



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## Current Project Status - RSTEM



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# Current Project Status

- ▶ **RHS**
  - ▶ **Entrance Addition**
    - ▶ Below grade masonry work complete
    - ▶ Structural steel to be set next week
    - ▶ The NW connections have been completed with below grade masonry, waterproofing and have been backfilled.
    - ▶ Site utility work continues with Storm Sewer Storage system work.



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# Current Project Status

- ▶ **RHS**
  - ▶ New HS Admin Space in former DO Space
    - ▶ Finishes are ongoing
    - ▶ Tile in restrooms is underway
    - ▶ Painting is taking place throughout
    - ▶ Ceiling Grid in place
    - ▶ Mechanical and Electrical finishes underway



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# Current Project Status

## ► RHS

### ► New Courtyard Addition

- Underground footings have been completed.
- Foundation grade beams have been poured
- Topsoil removed and sand cushion craned into courtyard
- Structural Steel to be set for tie in to existing building



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# Current Project Status

## ▶ RHS

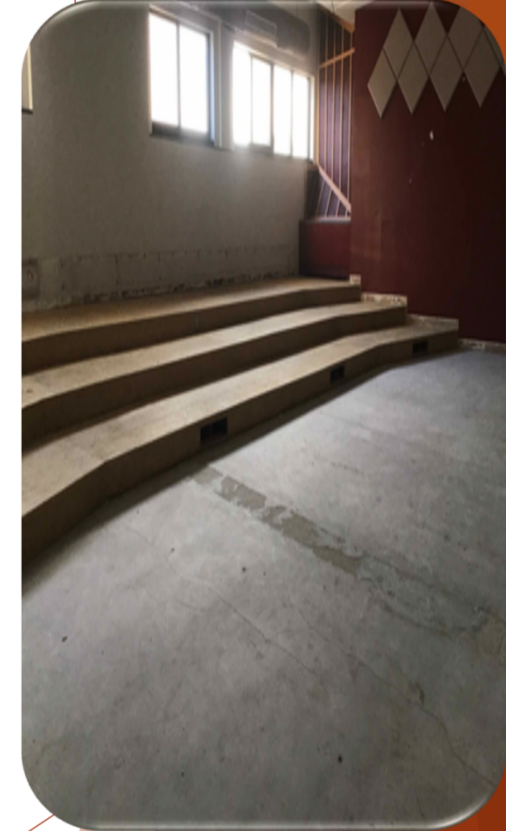
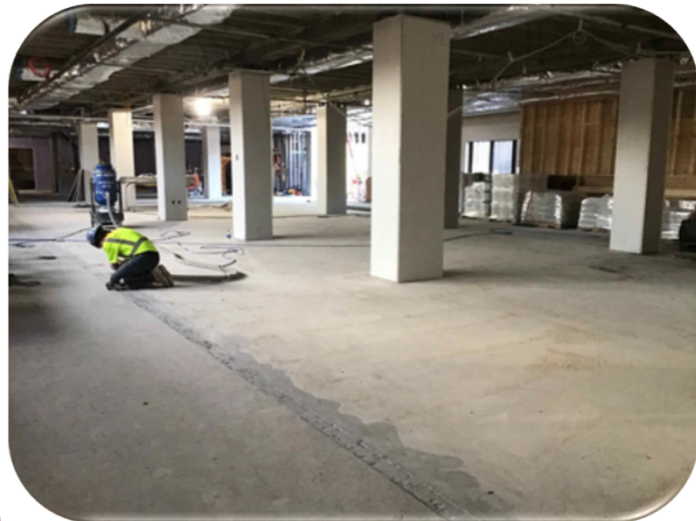
### ▶ Interior Renovations

- ▶ Media Center renovation continues with finishes
- ▶ Finishes are underway throughout with ceiling grid
- ▶ Flex learning areas are being painted
- ▶ Mechanical and electrical work continues throughout.
- ▶ Kitchen work is ongoing with Mechanical rough-in work



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## Current Project Status - RHS



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Questions  
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# **Richfield Public Schools PreK Programming Update**

**Patrick Burrage  
Carole McNaughton-Commers**

August 5, 2019



# Goals of Early Learning

- Provide high-quality early education that prepares all children for Kindergarten
- Serve all children by leveraging resources and programs available for Richfield Public Schools

## 18-19 4's Preschool Classrooms

Program	RSTEM	RDLS	Centennial	Sheridan	Central	Total
<b>Half Day</b>	2 Half	0 Half	2 Half	2 Half	0 Half	6 Half
<b>Full Day</b>	1 Full	2 Full	1 Full	0 Full	1 Full	5 Full
<b>Total Seats</b>	60	40	60	40	20	220
<b>VPK</b>	57	40	52	33	20	202
<b>ECSE</b>	3	0	8	7	0	18

Half Day	2 Half	0 Half	0 Half	2 Half	3 Half	7 Half
Full Day	1 Full	2 Full	2 Full	0	0 Full	5 Full
<b>Total Seats</b>	60	40	40	40	55	235
VPK	56	39	34	33	40	202
ECSE	4	1	6	7	15	33

## 19-20 4's Preschool Classrooms



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# Changes in 19-20 Preschool Program

- Centennial will receive an additional full day preschool classroom from Central (18-19)
- Central will receive 2-half day classrooms from Centennial (18-19)
- An additional half-day classroom will be added to Central Education Center to support additional students from Early Childhood Special Education.

# Update on Placements of Students

- Letters mailed the week of July 22
  - 59 students in Full Day out of 60 seats
  - 127 students in Half Day out of 142 seats
- Confirmation of placement: July 29 through August 9
- Continue to accept new applications
- Contact out of district waitlist: August 19
  - Current Out of District Waitlist
    - 7 Half Day
    - 26 Full Day

# Community Education Fee Based Options

## Primary Goals

- Support enrollment by addressing community needs and interests
- Offer an extended day PreK experience that attracts and retains students
- Pilot a fee-based program to maximize resources and build for the future
- Provide a high quality, consistent experience across all RPS preschool options

# Preschool Plus **Extended Enrichment Experience**

## **1. Half Day Extended Program**

Parent option to pay to extend a partial day

Align with morning VPK classes

Bus to school, VPK class 7:45-10:15am, lunch and enrichment program until 4:30pm

## **2. Full Day Embedded Model**

A full day option with VPK embedded; all parents pay partial day

Align with either an AM or a PM half day, bus and parent each transport one way

VPK class is scheduled within 7:30am-4:30pm preschool program

## **3. Full Day Stand Alone Preschool**

Offered as a full day program for all, not limited to criteria of VPK

Same curriculum as VPK, within hours of 7:30am-4:30pm

Parents transport each way, pay for the full day



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# Current Status

A Fee Based Option was not included in the updated VPK offerings

- Short timeline for family recruitment and payment
- Considerations for adding mid-year
  - Recruitment/Audience, Funding and Staffing
- School year 2020-21 class offerings finalized October 30
- Potential for adding Non School Days & Summer



# Questions?



Thank You and  
Good Night



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**BOARD SELF-EVALUATION**

Recognizing Board of Education service as a public trust of the highest order, the Richfield Board of Education accepts the responsibility for assessing its own operations by means of an annual self-evaluation.

Discussion of the self-evaluation will be conducted in accordance with Board Policy 208, Open meetings and Closed Meetings. Normally, such discussions will occur at a regular or special meeting of the Board of Education.

Upon completion of the self-evaluation, the Board of Education will determine priorities for action to further develop strengths and address areas that need improvement.

The superintendent is authorized to develop guidelines for the implementation of this policy.

Cross References: Board Policy 208, Open Meetings and Closed Meetings

ADOPTED BY THE BOARD OF EDUCATION: September 16, 1996

REVIEWED BY THE BOARD OF EDUCATION: February 21, 2012, February 16, 2016

REVISED BY THE BOARD OF EDUCATION: May 15, 2000, August 1, 2005

## 209.1 Form BOARD SELF-EVALUATION

**DIRECTIONS:** For each area of responsibility, consider the area as a whole according to the rubric. Highlight the statement that best represents your assessment of the School Board's performance during the past year. Record any comments to the right of each area of responsibility.

<u>AREAS OF RESPONSIBILITY</u>	<u>RATING</u>	<u>COMMENTS</u>
<p><b>A. SUPERINTENDENT RELATIONS</b></p> <ul style="list-style-type: none"> <li>• Hire superintendent, as needed</li> <li>• Evaluate superintendent</li> <li>• Provide advice and counsel to superintendent</li> <li>• Provide direction and guidance in developing district and superintendent goals and objectives</li> <li>• Provide superintendent with resources and authority to carry out goals and objectives</li> <li>• Hold superintendent responsible for administration</li> <li>• Utilize appropriate chain of command</li> <li>• Maintain openness and integrity</li> </ul>	<p>a. <b>Unsatisfactory</b>- Our relationship with the superintendent does not support the board and superintendent in leading RPS</p> <p>b. <b>Basic</b>- Our relationship with the superintendent supports the board and superintendent in leading RPS to high levels of performance in a <b>few</b> areas</p> <p>c. <b>Proficient</b>- Our relationship with the superintendent supports the board and superintendent in leading RPS to high levels of performance in <b>many</b> areas</p> <p>d. <b>Exemplary</b>-Our relationship with the superintendent supports the board and superintendent in leading RPS to high levels of performance in <b>all</b> areas</p>	
<p><b>B. COMMUNITY RELATIONS</b></p> <ul style="list-style-type: none"> <li>• Promote positive relationships</li> <li>• Encourage community input</li> <li>• Involve community in advisory functions</li> <li>• Represent the district in the community</li> <li>• Provide and promote community education</li> <li>• Communicate district performance in accordance with state educational accountability and public reporting requirements</li> <li>• Publicize and conduct open and orderly meetings</li> <li>• Carry out statutory responsibilities</li> </ul>	<p>a. <b>Unsatisfactory</b>- Our relationship with the community does not support the board and superintendent in an effective community relationship</p> <p>b. <b>Basic</b>- Our relationship with the community leads the RPS to an <b>acceptable</b> relationship with the community</p> <p>c. <b>Proficient</b>- Our relationship with the community leads the RPS to a <b>strong</b> relationship with the community</p> <p>d. <b>Exemplary</b>- Our relationship with the community leads the RPS to a <b>strong</b> relationship with the community that crosses <b>all</b> demographic categories and leads to high levels of partnership</p>	

## AREAS OF RESPONSIBILITY

## RATING

## COMMENTS

<p><b>C. POLICY</b></p> <ul style="list-style-type: none"> <li>• Develop and review mission statement</li> <li>• Review policies on a systematic basis</li> <li>• Develop and adopt new policies as needed</li> <li>• Approve and monitor exceptions to policies</li> </ul>	<p>a. <b>Unsatisfactory</b>- Our role in policy oversight and development occurs infrequently or not at all or develops inappropriate or ineffective policies</p> <p>b. <b>Basic</b>- Our role in policy oversight and development supports a <b>few</b> policy changes and reviews to guide RPS</p> <p>c. <b>Proficient</b>- Our role in policy oversight and development supports <b>many</b> policy changes and reviews to guide RPS</p> <p>d. <b>Exemplary</b>- Our role in policy oversight and development supports <b>all</b> policy changes and reviews to effectively guide RPS and leads to RPS meeting strategic goals</p>	
<p><b>D. RESOURCES</b></p> <ul style="list-style-type: none"> <li>• Examine and assess resource needs (e.g. money, staff, facilities, equipment)</li> <li>• Adopt and monitor the budget</li> <li>• Provide guidelines and direction for negotiations</li> <li>• Establish management compensation</li> <li>• Monitor capital acquisition and improvement plans</li> <li>• Assure audit is conducted</li> </ul>	<p>a. <b>Unsatisfactory</b>- Our role in resource oversight does not occur, or does not lead to strong financial oversight and management</p> <p>b. <b>Basic</b>- Our role in resource oversight leads to fiscally sound practices</p> <p>c. <b>Proficient</b>- Our role in resource oversight leads to fiscally sound practices <b>and</b> improves the alignment of funds to top priorities</p> <p>d. <b>Exemplary</b>- Our role in resource oversight leads to fiscally sound practices and improves the alignment of funds to top priorities <b>and</b> leads to RPS meeting strategic goals</p>	

## AREAS OF RESPONSIBILITY

## RATING

## COMMENTS

<p><i>E. BOARD RELATIONS</i></p> <ul style="list-style-type: none"> <li>• The Board conducts a timely and effective self-evaluation</li> <li>• The Board provides for the orientation, education and training of its members</li> <li>• Board members are prepared for meetings and decision making</li> <li>• Board members attend meetings regularly</li> <li>• The Board is represented at district functions</li> <li>• Board members respect the rights of others to have and express opinions</li> <li>• Board members accept and fulfill liaison assignments</li> <li>• The Board seeks staff input in the decision process, as appropriate</li> <li>• The Board seeks student input in the decision process, as appropriate</li> </ul>	<p>a. <b>Unsatisfactory</b>- Our relationship with other board members does not support the board in collaboratively fulfilling its role</p> <p>b. <b>Basic</b>- Our relationship with other board members supports the board in collaboratively fulfilling its role and to high levels of performance in a <b>few</b> areas</p> <p>c. <b>Proficient</b>- Our relationship with other board members supports the board in collaboratively fulfilling its role and leads to high levels of performance in a <b>many</b> areas</p> <p>d. <b>Exemplary</b>- our relationship with other board members supports the board in collaboratively fulfilling its role and leads to high levels of performance in <b>all</b> areas</p>	
<p><i>F. STRATEGIC PLANNING</i></p> <ul style="list-style-type: none"> <li>• Conduct district-wide strategic planning for multi-year blocks of time</li> <li>• Update the strategic plan as needed</li> <li>• Monitor alignment of goals and activities with the district's mission, beliefs, and strategic policies</li> <li>• Monitor activities and accomplishments in relation to the objectives and strategies contained in the strategic plan</li> </ul>	<p>a. <b>Unsatisfactory</b>- Our role in strategic planning or oversight are not active or do not occur</p> <p>b. <b>Basic</b>- Our role in strategic planning leads to a <b>written</b> plan that guides the work of RPS</p> <p>c. <b>Proficient</b>- Our role in strategic planning leads to a written plan that guides the work of RPS <b>and</b> is actively used in district decision-making</p> <p>d. <b>Exemplary</b>- Our role in strategic planning leads to a written plan that guides the work of RPS, is actively used in district decision making <b>and</b> results in RPS to achieving strategic goals</p>	

## AREAS OF RESPONSIBILITY

## RATING

## COMMENTS

<p><b>G. EDUCATIONAL PROGRAMS</b></p> <ul style="list-style-type: none"> <li>• Monitor the ongoing school improvement (accreditation) process</li> <li>• Establish program standards and graduation requirements that are aligned with Minnesota's graduation standards</li> <li>• Monitor student performance</li> <li>• Recognize student achievement</li> <li>• Encourage innovations that support learning</li> <li>• Monitor special programs and services</li> <li>• Monitor co-curricular programs</li> <li>• Monitor the community education program</li> </ul>	<p>a. <b>Unsatisfactory</b>- Our role in oversight and development or educational programs occurs infrequently or not at all or develops inappropriate or ineffective programs</p> <p>b. <b>Basic</b>- Our role in oversight and development or educational programs creates and supports effective programs</p> <p>c. <b>Proficient</b>- Our role in oversight and development or educational programs creates and supports effective programs <b>and</b> lead to high levels of achievement for <b>some</b> students</p> <p>d. <b>Exemplary</b>- Our role in oversight and development or educational programs creates and supports effective programs <b>and</b> lead to high levels of achievement for <b>all</b> students</p>	
<p><b>I. GOVERNMENT / INTER-AGENCY RELATIONS</b></p> <ul style="list-style-type: none"> <li>• Monitor and influence legislation</li> <li>• Participate in appropriate educational associations</li> <li>• As appropriate, meet / communicate with city, county, state, and / or federal officials</li> <li>• Encourage collaborative relationships and activities that are aligned with the district's mission and strategic objectives</li> </ul>	<p>a. <b>Unsatisfactory</b>- Our work with other government officials does not support the board and superintendent in an effective governmental partnership</p> <p>b. <b>Basic</b>- Our work with other government officials leads the RPS to an <b>acceptable</b> partnership</p> <p>c. <b>Proficient</b>- Our work with other government officials leads the RPS to a <b>strong</b> partnership</p> <p>d. <b>Exemplary</b>- Our work with other government officials leads the RPS to a <b>strong</b> partnership that results in specific positive impacts for RPS students and programming</p>	

**AREAS OF RESPONSIBILITY****RATING****COMMENTS**

INDIVIDUAL BOARD MEMBER	Unsatisfactory/Satisfactory	
<p>I participate in board meetings that are held according to legal expectations</p> <p>I participate in board meetings that follow a clear and organized agenda</p> <p>I participate in orientation, and training</p> <p>I regularly attend meetings</p> <p>I am prepared for meetings by reviewing all materials</p> <p>I understand the agenda and follow the procedures</p> <p>I think independently while being open to hearing and considering all perspectives</p> <p>I understand that the board needs to speak with one voice and coordinate messages with all other board members</p> <p>I represent the interests of the entire district</p> <p>I behave in collaborative and trustworthy ways</p> <p>I maintain appropriate confidentiality</p>		

**AREAS OF RESPONSIBILITY****RATING****COMMENTS**

**Based on the above assessment of performance (Whole board): Please select up to three team goals to set and monitor during the year:**

Board Team Goal 1:

Board Team Goal 2:

Board Team Goal 3:

**Based on our district student achievement (Whole board): Please select up to two student achievement individual goals to monitor during the school year:**

Student Achievement Goal 1:

Student Achievement Goal 2:

**Based on the above assessment of performance (individual board member): Please select up to three individual goals to set and monitor during the year:**

Board Member Individual Goal 1:

Board Member Individual Goal 2:

Board Member Individual Goal 3:

NAME OF BOARD MEMBER SUBMITTING SELF-EVALUATION \_\_\_\_\_ DATE \_\_\_\_\_

Dated: September 16, 1996

Reviewed: May 15, 2000, February 21, 2012

Revised: August 1, 2005, March 7, 2016



FUND	CHECK	DATE	VENDOR	TYPE	AMOUNT
01	V609006	06/06/2019	LAURA M BERENS	R	40.00
01	V609007	06/06/2019	DAVID M BOIE	R	70.00
01	V609008	06/06/2019	PATRICK L BURRAGE	R	70.00
01	V609009	06/06/2019	MIRIAM A CASTRO SANJUAN	R	40.00
01	V609010	06/06/2019	PHIL N CEDER	R	40.00
01	V609011	06/06/2019	MARY L CLARKSON	R	70.00
01	V609012	06/06/2019	TIA B CLASEN	R	70.00
01	V609013	06/06/2019	LATANYA R DANIELS	R	70.00
01	V609014	06/06/2019	GEORGE A DENNIS	R	35.00
01	V609015	06/06/2019	RYAN D FINKE	R	70.00
01	V609016	06/06/2019	PETER J FITZPATRICK	R	40.00
01	V609017	06/06/2019	STEVEN T FLUCAS	R	70.00
01	V609018	06/06/2019	MICHAEL L FRANKENBERG	R	70.00
01	V609019	06/06/2019	JAMES A GILLIGAN	R	70.00
01	V609020	06/06/2019	CHRISTINA M GONZALEZ	R	70.00
01	V609021	06/06/2019	KYLE L GUSTAFSON	R	40.00
01	V609022	06/06/2019	KEVIN D HARRIS	R	40.00
01	V609023	06/06/2019	PAM A HAUPT	R	70.00
01	V609024	06/06/2019	JAMES L HILL	R	40.00
01	V609025	06/06/2019	CARLONDREA D HINES	R	70.00
01	V609026	06/06/2019	JESSICA M HOFFMAN	R	40.00
01	V609027	06/06/2019	CRAIG D HOLJE	R	70.00
01	V609028	06/06/2019	MARY J IHLEN	R	70.00
01	V609029	06/06/2019	CORY J KLINGE	R	70.00
01	V609030	06/06/2019	DANIEL E KRETSINGER	R	70.00
01	V609031	06/06/2019	ANOOP KUMAR	R	40.00
01	V609032	06/06/2019	MELANIE R LAWRENCE-SMITH	R	70.00
01	V609033	06/06/2019	DANIEL P MCGINN	R	40.00
01	V609034	06/06/2019	DOUG R MCMEEKIN	R	70.00
01	V609035	06/06/2019	CAROLE R MCNAUGHTON-COMMERS	R	70.00
01	V609036	06/06/2019	MARY PAT MESLER	R	70.00
01	V609037	06/06/2019	KENT D MEYER	R	70.00
01	V609038	06/06/2019	BRENDA K NIELSEN	R	70.00
01	V609039	06/06/2019	ROBERT G OLSON	R	40.00
01	V609040	06/06/2019	KEITH D RIEF	R	40.00
01	V609041	06/06/2019	LEADRIANE L ROBY	R	70.00
01	V609042	06/06/2019	TERESA L ROSEN	R	70.00
01	V609043	06/06/2019	MAUREEN E RUHLAND	R	40.00
01	V609044	06/06/2019	MARTA I SHAHSAVAND	R	70.00
01	V609045	06/06/2019	BRADLEY J SHURTS	R	70.00
01	V609046	06/06/2019	NANCY J STACHEL	R	70.00
01	V609047	06/06/2019	PATRICK M SURE	R	40.00
01	V609048	06/06/2019	VLADIMIR S TOLEDO	R	40.00
01	V609049	06/06/2019	IAN D TOLENTINO	R	40.00
01	V609050	06/06/2019	STEVEN P UNOWSKY	R	270.00
01	V609051	06/06/2019	STEPHEN C URBANSKI	R	40.00
01	V609052	06/06/2019	CARRIE A VALA	R	70.00
01	V609053	06/06/2019	RYAN WAGNER	R	40.00
01	V609054	06/06/2019	REBECCA S WALD	R	40.00

01	V609055	06/06/2019	MICHAEL J WALLUS	R	70.00
01	V609056	06/06/2019	KASYA L WILLHITE	R	70.00
01	V609057	06/06/2019	AMY J AHSENMACHER WINTER	R	70.00
01	V609058	06/06/2019	LEE ANN WISE	R	70.00
01	293988	06/07/2019	BEN FRANKLIN ELECTRIC INC	R	4,920.00
01	293989	06/07/2019	BOYD LINDA M	R	315.00
01	293990	06/07/2019	BRINK'S INCORPORATED	R	107.86
01	293991	06/07/2019	DEMCO MEDIA	R	218.50
01	293992	06/07/2019	HONDA FINANCIAL SERVICES	R	256.00
01	293993	06/07/2019	KINECT ENERGY INC	R	495.00
01	293994	06/07/2019	LIFETOUCH NATIONAL	R	679.19
01	293995	06/07/2019	THREE RIVERS PARK DISTRICT	R	150.00
01	293996	06/07/2019	URBAN BOATBUILDERS INC	R	396.14
01	293997	06/07/2019	VALLEY RICH CO INC	R	7,444.35
01	293998	06/11/2019	CITY OF RICHFIELD	R	108,992.00
01	293999	06/11/2019	CITY OF RICHFIELD	R	258,945.13
01	294000	06/11/2019	CITY OF RICHFIELD	R	59,978.25
01	294001	06/12/2019	TRANSPORTATION PLUS, INC.	R	606.00
01	294002	06/12/2019	ALL FURNITURE INC	R	2,250.00
01	294003	06/12/2019	ALLIED PROFESSIONALS, INC.	R	210.00
01	294004	06/12/2019	ARVIG ENTERPRISES INC	R	1,357.90
01	294005	06/12/2019	BAYADA	R	1,875.00
01	294006	06/12/2019	BEN FRANKLIN ELECTRIC INC	R	325.00
01	294007	06/12/2019	BLUE CROSS BLUE SHIELD OF MINNESOTA	R	1,155.00
01	294008	06/12/2019	BSN SPORTS	R	882.00
01	294009	06/12/2019	BULK BOOK STORE	R	755.80
01	294010	06/12/2019	BUSINESS ESSENTIALS	R	877.35
01	294011	06/12/2019	CARQUEST AUTO PARTS	R	153.94
01	294012	06/12/2019	CDW GOVERNMENT INC	R	1,666.00
01	294013	06/12/2019	CEDAR SMALL ENGINE	R	386.18
01	294014	06/12/2019	CENTURYLINK	R	38.95
01	294015	06/12/2019	CHAMPION YOUTH	R	630.00
01	294016	06/12/2019	CITY OF RICHFIELD	R	1,028.71
01	294017	06/12/2019	CONTINENTAL RESEARCH CORP	R	436.66
01	294018	06/12/2019	CONTRERAS ANA	R	29.00
01	294019	06/12/2019	CULLIGAN SOFT WATER	R	9.50
01	294020	06/12/2019	CURRICULUM & TRANSITION CONSULTANTS	R	13,195.00
01	294021	06/12/2019	DARRYL WALETZKO LLC	R	1,200.00
01	294022	06/12/2019	DIVERSIFIED SNACK DISTRIBUTION	R	164.52
01	294023	06/12/2019	ECOLAB INC	R	486.31
01	294024	06/12/2019	EDUCATORS BENEFIT CONSULTANTS LLC	R	419.85
01	294025	06/12/2019	EGAN REBECCA J	R	75.00
01	294026	06/12/2019	FERGUSON ENTERPRISES LLC #1657	R	20.99
01	294027	06/12/2019	FITTING MACKENZIE L	R	75.00
01	294028	06/12/2019	FOLLETT EDUCATIONAL	R	5,784.00
01	294029	06/12/2019	FUN ENGINEERZ LLC	R	960.00
01	294030	06/12/2019	WW GRAINGER INC	R	28.00
01	294031	06/12/2019	GROTH MUSIC COMPANY	R	60.00
01	294032	06/12/2019	H BROOKS AND COMPANY LLC	R	5,017.47
01	294033	06/12/2019	HAMMER SPORTS LLC	R	742.00

01	294034	06/12/2019	HEINEMANN	R	11,492.65
01	294035	06/12/2019	HILLYARD	R	1,673.49
01	294036	06/12/2019	HOGLUND BUS CO INC	R	1,657.36
01	294037	06/12/2019	ICS CONSULTING INC	R	70,077.18
01	294038	06/12/2019	INDOFF INC	R	137.98
01	294039	06/12/2019	INSTRUMENTALIST AWARDS	R	72.00
01	294040	06/12/2019	INTERMEDIATE DISTRICT 287	R	90,480.52
01	294041	06/12/2019	JOHNSON PRINTING	R	4,003.00
01	294042	06/12/2019	KREMER SERVICES LLC	R	352.40
01	294043	06/12/2019	LOFFLER	R	1,144.95
01	294044	06/12/2019	LOFFLER COMPANIES	R	4,774.00
01	294045	06/12/2019	LOMAX CARLA	R	240.00
01	294046	06/12/2019	MARK SCHUMACHER	R	599.20
01	294047	06/12/2019	MED COMPASS	R	918.00
01	294048	06/12/2019	MENARDS - RICHFIELD	R	14.99
01	294049	06/12/2019	MEYERS MELINDA	R	137.50
01	294050	06/12/2019	MID MINNESOTA STORAGE	R	180.00
01	294051	06/12/2019	MTI DISTRIBUTING CO	R	334.16
01	294052	06/12/2019	MULTILINGUAL WORD INC	R	1,291.00
01	294053	06/12/2019	NAVIANCE	R	1,757.22
01	294054	06/12/2019	NCS PEARSON INC	R	1,268.22
01	294055	06/12/2019	OLYMPIC COMMUNICATIONS INC	R	580.00
01	294056	06/12/2019	PAN O GOLD BAKING CO	R	211.05
01	294057	06/12/2019	PCS REVENUE CONTROL	R	413.00
01	294058	06/12/2019	PLANSOURCE, INC.	R	2,691.49
01	294059	06/12/2019	REALLY GOOD STUFF	R	115.39
01	294060	06/12/2019	RELIABLE DRUG & ALCOHOL INC.	R	280.00
01	294061	06/12/2019	RICHFIELD READY	R	20.00
01	294062	06/12/2019	RUPP ANDERSON SQUIRES & WALDSPUR R		148.00
01	294063	06/12/2019	SAMANAGE USA INC	R	112.28
01	294064	06/12/2019	STERNO PRODUCTS LLC	R	486.32
01	294065	06/12/2019	TAHO SPORTSWEAR INC	R	1,080.00
01	294066	06/12/2019	THE SOMALI MUSEUM OF MINNESOTA	R	900.00
01	294067	06/12/2019	TRIMARK HOCKENBERGS	R	483.16
01	294068	06/12/2019	UPPER LAKES FOODS	R	9,401.66
01	294069	06/12/2019	VERIZON WIRELESS	R	435.65
01	294070	06/12/2019	WILLIAM V MACGILL & CO	R	2,099.50
01	294071	06/12/2019	WOLD ARCHITECTS AND ENGINEERS	R	251,291.04
01	294072	06/17/2019	JOSTENS INC	R	807.66
01	294073	06/17/2019	NEW LIFE ENTERPRISE	R	126.00
01	294074	06/17/2019	YOUTH FRONTIERS INC	R	2,245.00
01	294075	06/19/2019	1 LAYER TECHNOLOGIES LLC	R	240.00
01	294076	06/19/2019	ADAMS STEFANIE	R	16.90
01	294077	06/19/2019	ALL FURNITURE INC	R	28,948.30
01	294078	06/19/2019	ALLIED PROFESSIONALS, INC.	R	931.88
01	294079	06/19/2019	ANDROS, KIMBERLY	R	260.82
01	294080	06/19/2019	AP EXAMS	R	31,508.00
01	294081	06/19/2019	ARAMARK	R	194.75
01	294082	06/19/2019	ARTEDUTC LLC	R	273.00
01	294083	06/19/2019	AVANT ASSESSMENT LLC	R	473.10

01	294084	06/19/2019	BATTERIES R US	R	1,799.96
01	294085	06/19/2019	BAYADA	R	1,125.00
01	294086	06/19/2019	BEN FRANKLIN ELECTRIC INC	R	380.00
01	294087	06/19/2019	BLOM LIZ	R	260.82
01	294088	06/19/2019	BLUE CROSS BLUE SHIELD OF MINNESOTA	R	8,118.00
01	294089	06/19/2019	BLUML LAUREN	R	128.37
01	294090	06/19/2019	BOILER SERVICES INC	R	960.43
01	294091	06/19/2019	BRINK'S INCORPORATED	R	1,218.30
01	294092	06/19/2019	BSN SPORTS	R	1,638.67
01	294093	06/19/2019	CARQUEST AUTO PARTS	R	158.79
01	294094	06/19/2019	CASEBOLT ERIN	R	60.00
01	294095	06/19/2019	CATALYST BUYING GROUP LLC	R	314.99
01	294096	06/19/2019	CEL PUBLIC RELATIONS, INC.	R	16,000.00
01	294097	06/19/2019	CENGAGE LEARNING	R	2,475.00
01	294098	06/19/2019	CENTURYLINK	R	71.00
01	294099	06/19/2019	CEP ART & DESIGN	R	99.00
01	294100	06/19/2019	CINTAS CORPORATION NO 2	R	93.58
01	294101	06/19/2019	CITY OF RICHFIELD	R	11,210.92
01	294102	06/19/2019	COMMERCIAL KITCHEN	R	1,340.00
01	294103	06/19/2019	CONTEMPORARY TRANSPORTATION LLC	R	960.00
01	294104	06/19/2019	CONTINENTAL RESEARCH CORP	R	388.70
01	294105	06/19/2019	CUB FOODS	R	660.01
01	294106	06/19/2019	CUMMINS INC	R	405.54
01	294107	06/19/2019	DARK KNIGHT SOLUTIONS, LLC	R	350.00
01	294108	06/19/2019	DIVERSIFIED SNACK DISTRIBUTION	R	282.33
01	294109	06/19/2019	QUARTER GROUP PERFORMERS, LLC	R	3,312.00
01	294110	06/19/2019	ECOLAB INC	R	447.36
01	294111	06/19/2019	EDUCATORS BENEFIT CONSULTANTS LLC	R	296.80
01	294112	06/19/2019	EDWARDS WILSON	R	70.00
01	294113	06/19/2019	ETTEL & FRANZ ROOFING CO	R	1,316.00
01	294114	06/19/2019	FAIRCON SERVICE COMPANY	R	892.50
01	294115	06/19/2019	FASTENAL INDUSTRIAL	R	353.68
01	294116	06/19/2019	FINANGER PHILLIP J	R	255.00
01	294117	06/19/2019	WW GRAINGER INC	R	718.29
01	294118	06/19/2019	GSSC-GENERAL SECURITY SERVICE	R	530.85
01	294119	06/19/2019	H BROOKS AND COMPANY LLC	R	1,262.13
01	294120	06/19/2019	HARMES KRISTIN	R	142.18
01	294121	06/19/2019	HAWKINS INC	R	202.50
01	294122	06/19/2019	HERLING DERRICK	R	135.00
01	294123	06/19/2019	HILLYARD	R	2,508.93
01	294124	06/19/2019	ZACKS INC	R	526.49
01	294125	06/19/2019	HOGAN ASSESSMENT SYSTEMS INC	R	1,650.00
01	294126	06/19/2019	HOGLUND BUS CO INC	R	1,317.69
01	294127	06/19/2019	HOME DEPOT U.S.A.	R	1,068.80
01	294128	06/19/2019	HR SIMPLIFIED INC.	R	3,600.00
01	294129	06/19/2019	IIX INSURANCE INFORMATION EXCHANGE	R	62.50
01	294130	06/19/2019	INNOVATIVE OFFICE SOLUTIONS LLC	R	23.98
01	294131	06/19/2019	JAYTECH, INC	R	1,038.64
01	294132	06/19/2019	JENSEN JOHN C	R	135.00
01	294133	06/19/2019	JUNK MASTERS LLC	R	7,000.00

01	294134	06/19/2019	JUREWICZ MATTHEW M	R	135.00
01	294135	06/19/2019	KARNAS MIKE	R	75.00
01	294136	06/19/2019	KASTL HOLLY	R	209.43
01	294137	06/19/2019	LANGUAGE LINE SERVICE	R	535.18
01	294138	06/19/2019	LIFELINE LIFT COMPANY, INC.	R	3,598.00
01	294139	06/19/2019	LOFFLER COMPANIES	R	198.00
01	294140	06/19/2019	LS BLACK CONSTRUCTORS, INC.	R	345,249.00
01	294141	06/19/2019	LUBE TECH & PARTNERS LLC	R	1,692.74
01	294142	06/19/2019	MACKIN BOOK COMPANY	R	614.73
01	294143	06/19/2019	MEDTOX LABORATORIES INC	R	139.02
01	294144	06/19/2019	MELISSA BARTH	R	51.60
01	294145	06/19/2019	MIDWEST AUDIO VISUAL	R	250.00
01	294146	06/19/2019	MIDWEST BUS PARTS INC	R	102.94
01	294147	06/19/2019	MN DEPT OF LABOR AND INDUSTRY	R	400.00
01	294148	06/19/2019	NEW LIFE ENTERPRISE	R	128.00
01	294149	06/19/2019	NOLLENBERGER TODD	R	90.00
01	294150	06/19/2019	OCCUPATIONAL MEDICINE CONSULTANT	R	315.75
01	294151	06/19/2019	PAN O GOLD BAKING CO	R	127.40
01	294152	06/19/2019	PIONEER MANUFACTURING COMPANY	R	206.40
01	294153	06/19/2019	PITNEY BOWES GLOBAL FINANCIAL SVC	R	1,104.42
01	294155	06/19/2019	PLAINVIEW MILK PRODUCTS COOPERAT	R	10,163.62
01	294156	06/19/2019	PLONSKI ALEXANDRA	R	140.00
01	294157	06/19/2019	POLLIS PARKER	R	275.00
01	294158	06/19/2019	PREMIUM WATERS INC	R	48.00
01	294159	06/19/2019	RAMSAY THOMAS	R	485.00
01	294160	06/19/2019	REGION 3AA	R	16,482.00
01	294161	06/19/2019	SCHUMACHER ELEVATOR COMPANY	R	1,200.00
01	294162	06/19/2019	SHERMAN, IRENE K	R	100.00
01	294163	06/19/2019	SHRED IT USA	R	2,728.13
01	294164	06/19/2019	SITEONE LANDSCAPE SUPPLY LLC	R	269.73
01	294165	06/19/2019	TIERNEY BROTHERS INC	R	9,354.80
01	294166	06/19/2019	TIRE TOWN INC	R	12.50
01	294167	06/19/2019	TOLL COMPANY	R	44.77
01	294168	06/19/2019	TRIO SUPPLY COMPANY	R	681.76
01	294169	06/19/2019	TRUST POINT	R	2,977.59
01	294170	06/19/2019	TRUSTED EMPLOYEES	R	124.00
01	294171	06/19/2019	TWIN CITY FILTER SERVICE INC	R	1,317.77
01	294172	06/19/2019	TWIN CITY HARDWARE	R	378.51
01	294173	06/19/2019	UNITED HEALTHCARE	R	153.20
01	294174	06/19/2019	UNITED HEALTHCARE INSURANCE CO	R	452.68
01	294175	06/19/2019	UPPER LAKES FOODS	R	9,967.73
01	294176	06/19/2019	VELOCITY DRAIN SERVICES INC	R	675.00
01	294177	06/19/2019	VIANG SIVONGSA	R	49.00
01	294178	06/19/2019	XCEL ENERGY	R	8.92
01	V609059	06/20/2019	PHOEBE L ANDERSON	R	132.35
01	V609060	06/20/2019	LISA M BAIRD	R	42.85
01	V609061	06/20/2019	LAURA M BERENS	R	72.04
01	V609062	06/20/2019	JOSEPH P BLUM	R	32.00
01	V609063	06/20/2019	MATTHEW L BROWN	R	232.50
01	V609064	06/20/2019	EMILY T BURT	R	50.75

01	V609065	06/20/2019	TIA B CLASEN	R	92.31
01	V609066	06/20/2019	GEORGE A DENNIS	R	53.84
01	V609067	06/20/2019	MAUREEN K FEYEN	R	238.61
01	V609068	06/20/2019	MICHELLE D FRANZ	R	27.45
01	V609069	06/20/2019	MICHELLE L GERTEN	R	89.07
01	V609070	06/20/2019	CHRISTINA M GONZALEZ	R	107.68
01	V609071	06/20/2019	KATHERINE A HALLIN PAYNE	R	35.00
01	V609072	06/20/2019	DONNAMARIE HARDY	R	75.52
01	V609073	06/20/2019	JONATHAN W HEYER	R	57.06
01	V609074	06/20/2019	MARGARET R HOEHN	R	70.69
01	V609075	06/20/2019	JOAN M HOERAUF	R	121.91
01	V609076	06/20/2019	KELSEY E KINSELLA	R	10.00
01	V609077	06/20/2019	VANESSA L KREBSBACH	R	1,083.25
01	V609078	06/20/2019	PAMELA J KRIESEL-KOLL	R	79.46
01	V609079	06/20/2019	BENJAMIN S KRUPNICK	R	40.60
01	V609080	06/20/2019	PATRICIA A LARSON	R	266.34
01	V609081	06/20/2019	RACHAEL G LENMARK	R	14.07
01	V609082	06/20/2019	BRIAN J LENTZ	R	137.69
01	V609083	06/20/2019	BRIDGE J MCKYE	R	889.32
01	V609084	06/20/2019	NATASHA L MONSAAS-DALY	R	57.26
01	V609085	06/20/2019	MICHELLE K OLMSTED	R	108.00
01	V609086	06/20/2019	DARBY L PETERSON	R	48.03
01	V609087	06/20/2019	AMY M PONCE	R	76.05
01	V609088	06/20/2019	STEPHANIE A POPP	R	138.30
01	V609089	06/20/2019	LUCINDA P RHODES	R	17.96
01	V609090	06/20/2019	LEADRIANE L ROBY	R	140.21
01	V609091	06/20/2019	RASHEIDA K ROSS	R	10.00
01	V609092	06/20/2019	MAUREEN E RUHLAND	R	38.11
01	V609093	06/20/2019	KAREN S K SLAGHT	R	24.70
01	V609094	06/20/2019	KASSANDRA L SWENSON	R	17.43
01	V609095	06/20/2019	LU ANN N TAUER STONE	R	106.49
01	V609096	06/20/2019	KARIL TAYLOR	R	91.88
01	V609097	06/20/2019	JUDY L VAILLANCOURT-YERHOT	R	274.20
01	V609098	06/20/2019	KASYA L WILLHITE	R	211.44
01	V609099	06/20/2019	ELIZABETH I WINSLOW	R	97.50
01	V609100	06/20/2019	ELIZABETH F ZEHPFENNIG	R	34.80
01	V609101	06/20/2019	LUCY I ZUBAH	R	10.00
01	294180	06/21/2019	AMAZON.COM SYNCB/AMAZON	R	6,341.59
01	294181	06/21/2019	COMPAS	R	2,097.00
01	294182	06/21/2019	ELLEVATION EDUCATION	R	13,013.00
01	294183	06/21/2019	GROUP MEDICAREBLUE RX	R	7,392.00
01	294184	06/21/2019	IDEAL ENERGIES LLC	R	992.09
01	294185	06/21/2019	KINECT ENERGY INC	R	8,843.98
01	294186	06/21/2019	NATIONAL ASSOC OF SECONDARY SCHOR		385.00
01	294187	06/21/2019	NEW LIFE ENTERPRISE	R	157.50
01	294188	06/21/2019	STAR TRIBUNE	R	752.40
01	294045	06/26/2019	LOMAX CARLA	V	-240.00
01	294189	06/26/2019	ALL FURNITURE INC	R	72,238.88
01	294190	06/26/2019	ALLIED PROFESSIONALS, INC.	R	196.88
01	294191	06/26/2019	ALTMAN ADAM	R	320.00

01	294192	06/26/2019	ARAMARK	R	127.81
01	294193	06/26/2019	AVAIL ACADEMY	R	1,219.41
01	294194	06/26/2019	BATTERIES PLUS BULBS	R	11.96
01	294195	06/26/2019	BAYADA	R	1,150.00
01	294196	06/26/2019	BETHANY ACADEMY	R	1,080.00
01	294197	06/26/2019	BIO CORPORATION	R	163.78
01	294198	06/26/2019	BLAKE SCHOOL	R	936.00
01	294199	06/26/2019	BLOOMINGTON LUTHERAN	R	159.06
01	294200	06/26/2019	BRAUN INTERTEC CORP	R	6,197.50
01	294201	06/26/2019	BRECK SCHOOL	R	306.67
01	294202	06/26/2019	BSI MECHANICAL, INC.	R	4,295.45
01	294203	06/26/2019	BSN SPORTS	R	11,864.97
01	294204	06/26/2019	BUSINESS ESSENTIALS	R	41.44
01	294205	06/26/2019	CAPITAL ONE COMMERCIAL	R	253.80
01	294206	06/26/2019	CARQUEST AUTO PARTS	R	432.84
01	294207	06/26/2019	CEDAR SMALL ENGINE	R	22.98
01	294208	06/26/2019	CEL PUBLIC RELATIONS, INC.	R	13,000.00
01	294209	06/26/2019	CHAMPION AWARDS INC	R	48.00
01	294210	06/26/2019	CINTAS CORPORATION NO 2	R	213.60
01	294211	06/26/2019	CITY OF RICHFIELD RECREATION	R	172.50
01	294212	06/26/2019	CONCORDIA ACADEMY	R	455.67
01	294213	06/26/2019	CRISTO REY JESUIT H	R	5,577.75
01	294214	06/26/2019	CRYSTAL LAKE GOLF COURSE	R	800.00
01	294215	06/26/2019	DICKS LAKEVILLE SANITATION INC	R	7,773.80
01	294216	06/26/2019	DOOR SERVICE COMPANY OF THE TWIN	R	416.00
01	294217	06/26/2019	EASYPERMIT POSTAGE	R	1,933.68
01	294218	06/26/2019	ECOLAB INC	R	417.34
01	294219	06/26/2019	EDUCATORS BENEFIT CONSULTANTS LL	R	296.80
01	294220	06/26/2019	EMI AUDIO	R	173.80
01	294221	06/26/2019	FATH CUTTER, NOELLA	R	4,380.00
01	294222	06/26/2019	FIRST BAPTIST CHURCH SCHOOLS	R	301.40
01	294223	06/26/2019	FLICEK WELDING	R	3,800.00
01	294224	06/26/2019	WW GRAINGER INC	R	127.77
01	294225	06/26/2019	GROVES ACADEMY	R	290.00
01	294226	06/26/2019	HAWKINS INC	R	1,534.84
01	294227	06/26/2019	HERFF JONES INC	R	810.00
01	294228	06/26/2019	HILLYARD	R	10,835.39
01	294229	06/26/2019	HOFLAND DAVID	R	45.00
01	294230	06/26/2019	HOGLUND BUS CO INC	R	581.49
01	294231	06/26/2019	HOPE ACADEMY	R	464.48
01	294232	06/26/2019	CITY OF BLOOMINGTON	R	366.00
01	294233	06/26/2019	INTERMEDIATE DISTRICT 287	R	669.10
01	294234	06/26/2019	INTERSTATE POWER SYSTEMS	R	1,193.45
01	294235	06/26/2019	JAYTECH, INC	R	880.00
01	294236	06/26/2019	JUNK MASTERS LLC	R	5,068.55
01	294237	06/26/2019	KIMMES MARIA	R	429.02
01	294238	06/26/2019	LAKE COUNTRY SCHOOL	R	301.50
01	294239	06/26/2019	LOMAX CARLA	R	240.00
01	294240	06/26/2019	MADISON NATIONAL LIFE INS CO INC	R	28,250.06
01	294241	06/26/2019	MARANATHAN CHRISTIAN ACADEMY	R	147.62

01	294242	06/26/2019	MAVO SYSTEMS INC	R	1,020.00
01	294243	06/26/2019	MAYER LUTHERAN HIGH	R	320.00
01	294244	06/26/2019	METRO APPLIANCE RECYCLING	R	3,009.87
01	294245	06/26/2019	METROPOLITAN MECHANICAL CONTRAC	R	5,877.19
01	294246	06/26/2019	MINNEAPOLIS CONVENTION CENTER	R	3,849.75
01	294247	06/26/2019	MINNESOTA WALDORF SCHOOL	R	142.86
01	294248	06/26/2019	MONOPRICE INC	R	72.14
01	294249	06/26/2019	MSNA-MN SCHOOL NUTRITION	R	1,610.00
01	294250	06/26/2019	MULTILINGUAL WORD INC	R	919.50
01	294251	06/26/2019	NORTH CENTRAL BUS	R	242.53
01	294252	06/26/2019	OCCUPATIONAL MEDICINE CONSULTAN	R	185.00
01	294253	06/26/2019	ON SITE SANITATION	R	1,200.29
01	294254	06/26/2019	PILGRIM LUTHERAN	R	1,595.64
01	294255	06/26/2019	PROVIDENCE ACADEMY	R	159.06
01	294256	06/26/2019	RIDDELL/ALL AMERICAN SPORTS CORP	R	4,329.08
01	294257	06/26/2019	SCHOOL SERVICE EMPLOYEES UNION	R	9,579.62
01	294258	06/26/2019	SHAW-LUNDQUIST ASSOCIATES, INC.	R	603,980.55
01	294259	06/26/2019	SHERWIN WILLIAMS CO	R	285.24
01	294260	06/26/2019	SITEONE LANDSCAPE SUPPLY LLC	R	782.56
01	294261	06/26/2019	SOUTHWEST CHRISTIAN HIGH SCHOOL	R	158.13
01	294262	06/26/2019	PARK ADAM TRANSPORTATION	R	112,224.80
01	294263	06/26/2019	ST THOMAS ACADEMY	R	156.34
01	294264	06/26/2019	TRUGREEN LIMITED PARTNERSHIP	R	4,688.00
01	294265	06/26/2019	TRUST POINT	R	25.00
01	294266	06/26/2019	TWIN CITY TRANSPORTATION	R	135,712.69
01	294267	06/26/2019	UNITED STATES TREASURER	R	830.00
01	294268	06/26/2019	UNIVERSITY OF MINNESOTA	R	725.00
01	294269	06/26/2019	XCEL ENERGY	R	177.13
01	294270	06/27/2019	TRANSPORTATION PLUS, INC.	R	1,142.00
01	294271	06/27/2019	ALLIED PROFESSIONALS, INC.	R	931.88
01	294272	06/27/2019	AQUA LOGIC INC	R	14,437.00
01	294273	06/27/2019	BACHMANS INC	R	2,397.60
01	294274	06/27/2019	BLOOMINGTON PUBLIC SCHOOLS ISD 27	R	104,919.00
01	294275	06/27/2019	BSN SPORTS	R	470.43
01	294276	06/27/2019	CITY OF RICHFIELD	R	6,522.01
01	294277	06/27/2019	ECM PUBLISHERS INC	R	101.15
01	294278	06/27/2019	ECOLAB INC	R	201.83
01	294279	06/27/2019	WW GRAINGER INC	R	387.02
01	294280	06/27/2019	HILLYARD	R	529.71
01	294281	06/27/2019	HOGLUND BUS CO INC	R	98.29
01	294282	06/27/2019	ICS CONSULTING INC	R	6,411.00
01	294283	06/27/2019	INSTITUTE FOR ENVIROMENTAL	R	3,764.00
01	294284	06/27/2019	LOFFLER COMPANIES	R	11,507.52
01	294285	06/27/2019	LOOMIS ARMORED US LLC	R	1,291.84
01	294286	06/27/2019	LS BLACK CONSTRUCTORS, INC.	R	774,065.22
01	294287	06/27/2019	MACKIN BOOK COMPANY	R	2,252.74
01	294288	06/27/2019	MAVO SYSTEMS INC	R	51,490.00
01	294289	06/27/2019	RUPP ANDERSON SQUIRES & WALDSPUR	R	7,465.72
01	294290	06/27/2019	SAMANAGE USA INC	R	19,782.36
01	294291	06/27/2019	ST CROIX LUTHERAN	R	457.67



01	294292	06/27/2019	SUMMIT COMPANIES	R	2,770.00
01	294293	06/27/2019	TALENT ASSESSMENT, INC.	R	32,501.60
01	294294	06/27/2019	TITAN ENVIROMENTAL, INC.	R	43,842.50
01	294295	06/27/2019	TROOEN JENNIFER	R	1,000.00
01	294296	06/27/2019	VSP VISION SERVICE PLAN	R	1,449.25
01	294297	06/27/2019	XCEL ENERGY	R	57,219.28
01	294298	06/28/2019	BRAUN INTERTEC CORP	R	3,694.00
01	294299	06/28/2019	INSTITUTE FOR ENVIROMENTAL	R	38,395.97
01	294300	06/28/2019	TWIN CITY HARDWARE	R	1,714.59
01	V1900367	06/28/2019	GOVERNMENT LEASING	R	774,555.51
01	V1900368	06/28/2019	SUN TRUST EQUIPMENT FINANCE LEASIN	R	82,854.50
01	V609102	07/02/2019	DAVID M BOIE	R	70.00
01	V609103	07/02/2019	PATRICK L BURRAGE	R	70.00
01	V609104	07/02/2019	MIRIAM A CASTRO SANJUAN	R	40.00
01	V609105	07/02/2019	PHIL N CEDER	R	40.00
01	V609106	07/02/2019	MARY L CLARKSON	R	70.00
01	V609107	07/02/2019	TIA B CLASEN	R	70.00
01	V609108	07/02/2019	LATANYA R DANIELS	R	70.00
01	V609109	07/02/2019	GEORGE A DENNIS	R	35.00
01	V609110	07/02/2019	RYAN D FINKE	R	70.00
01	V609111	07/02/2019	PETER J FITZPATRICK	R	40.00
01	V609112	07/02/2019	STEVEN T FLUCAS	R	70.00
01	V609113	07/02/2019	MICHAEL L FRANKENBERG	R	70.00
01	V609114	07/02/2019	JAMES A GILLIGAN	R	70.00
01	V609115	07/02/2019	CHRISTINA M GONZALEZ	R	70.00
01	V609116	07/02/2019	KYLE L GUSTAFSON	R	40.00
01	V609117	07/02/2019	KEVIN D HARRIS	R	40.00
01	V609118	07/02/2019	PAM A HAUPT	R	70.00
01	V609119	07/02/2019	JAMES L HILL	R	40.00
01	V609120	07/02/2019	CARLONDREA D HINES	R	70.00
01	V609121	07/02/2019	JESSICA M HOFFMAN	R	40.00
01	V609122	07/02/2019	CRAIG D HOLJE	R	70.00
01	V609123	07/02/2019	MARY J IHLEN	R	70.00
01	V609124	07/02/2019	CORY J KLINGE	R	70.00
01	V609125	07/02/2019	DANIEL E KRETSINGER	R	70.00
01	V609126	07/02/2019	ANOOP KUMAR	R	40.00
01	V609127	07/02/2019	COLLEEN M MAHONEY	R	70.00
01	V609128	07/02/2019	DANIEL P MCGINN	R	40.00
01	V609129	07/02/2019	DOUG R MCMEEKIN	R	70.00
01	V609130	07/02/2019	CAROLE R MCNAUGHTON-COMMERS	R	70.00
01	V609131	07/02/2019	MARY PAT MESLER	R	70.00
01	V609132	07/02/2019	KENT D MEYER	R	70.00
01	V609133	07/02/2019	BRENDA K NIELSEN	R	70.00
01	V609134	07/02/2019	ROBERT G OLSON	R	40.00
01	V609135	07/02/2019	KEITH D RIEF	R	40.00
01	V609136	07/02/2019	LEADRIANE L ROBY	R	70.00
01	V609137	07/02/2019	TERESA L ROSEN	R	70.00
01	V609138	07/02/2019	MAUREEN E RUHLAND	R	40.00
01	V609139	07/02/2019	MARTA I SHAHSAVAND	R	70.00
01	V609140	07/02/2019	BRADLEY J SHURTS	R	70.00

01	V609141	07/02/2019	NANCY J STACHEL	R	70.00
01	V609142	07/02/2019	PATRICK M SURE	R	40.00
01	V609143	07/02/2019	VLADIMIR S TOLEDO	R	40.00
01	V609144	07/02/2019	IAN D TOLENTINO	R	40.00
01	V609145	07/02/2019	STEVEN P UNOWSKY	R	270.00
01	V609146	07/02/2019	STEPHEN C URBANSKI	R	40.00
01	V609147	07/02/2019	CARRIE A VALA	R	70.00
01	V609148	07/02/2019	RYAN WAGNER	R	40.00
01	V609149	07/02/2019	REBECCA S WALD	R	40.00
01	V609150	07/02/2019	MICHAEL J WALLUS	R	70.00
01	V609151	07/02/2019	KASYA L WILLHITE	R	70.00
01	V609152	07/02/2019	AMY J AHSENMACHER WINTER	R	70.00
01	294301	07/03/2019	BRAMBILLA'S LEASE SYSTEMS, INC	R	2,161.00
01	294302	07/03/2019	CANON USA	R	3,850.60
01	294303	07/03/2019	CEL PUBLIC RELATIONS, INC.	R	8,609.00
01	294304	07/03/2019	MASA	R	845.00
01	294305	07/03/2019	MASSP	R	865.00
01	294306	07/03/2019	MINNESOTA DEPARTMENT OF HEALTH	R	180.00
01	294307	07/03/2019	RYAN JEANNIE M	R	507.76
01	294308	07/03/2019	TAFFE SARAH ANN	R	8,044.93
01	294309	07/03/2019	VERIZON WIRELESS	R	503.04
01	294310	07/03/2019	ALL FURNITURE INC	R	1,696.00
01	294311	07/03/2019	DARRYL WALETZKO LLC	R	2,600.00
01	294312	07/03/2019	KRULL MELISSA	R	1,250.00
01	294313	07/03/2019	OCCUPATIONAL MEDICINE CONSULTAN	R	300.00
01	294314	07/03/2019	RASKIN CANDACE	R	1,250.00
01	294315	07/09/2019	CONTEMPORARY TRANSPORTATION LLC	R	7,965.00
01	294316	07/10/2019	AIM ELECTRONICS INC	R	1,255.00
01	294317	07/10/2019	BARNES & NOBLE BOOK	R	35.94
01	294318	07/10/2019	BSN SPORTS	R	1,807.50
01	294319	07/10/2019	DICKS LAKEVILLE SANITATION INC	R	8,477.10
01	294320	07/10/2019	FAIRCON SERVICE COMPANY	R	467.50
01	294321	07/10/2019	INDOFF INC	R	146.28
01	294322	07/10/2019	LOFFLER COMPANIES	R	64.00
01	294323	07/10/2019	NORMANDEALE COMMUNITY COLLEGE	R	513.10
01	294324	07/10/2019	NORTHWOODS PROMOTIONS WEST	R	259.00
01	294325	07/10/2019	NUTRILINK	R	1,125.00
01	294326	07/10/2019	OCCUPATIONAL MEDICINE CONSULTAN	R	75.00
01	294327	07/10/2019	TRUSTED EMPLOYEES	R	219.00
01	294328	07/10/2019	ANOKA-HENNEPIN SCHOOL DIST #11	R	800.00
01	294329	07/10/2019	BLUE CROSS BLUE SHIELD OF MINNESO	R	1,155.00
01	294330	07/10/2019	CULLIGAN SOFT WATER	R	9.50
01	294331	07/10/2019	FRB	R	81,739.00
01	294332	07/10/2019	HONDA FINANCIAL SERVICES	R	256.00
01	294333	07/10/2019	KINECT ENERGY INC	R	495.00
01	294334	07/10/2019	MATRIX COMMUNICATIONS INC	R	591.11
01	294335	07/10/2019	MESPA-MN ELEMENTARY	R	924.00
01	294336	07/10/2019	MN DEPT HEALTH	R	240.00
01	294337	07/10/2019	MSOPA	R	50.00
01	294338	07/10/2019	PCS REVENUE CONTROL	R	2,488.70

01	294339	07/10/2019	SNA-SCHOOL NUTRITION	R	70.00
01	294340	07/10/2019	VIG SOLUTIONS INC	R	419.00

<b>TOTAL E-PAY &amp; CHECK REGISTER</b>					<b>4,841,449.91</b>
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## CHECK RUNS FOR 07/15/2019 BOARD MEETING

BANK 05	DATE	AMOUNT
E-Pays	6/6/2019	3,305.00
	6/20/2019	5,554.72
	7/2/2019	3,195.00
Checks	6/7/2019	14,982.04
	6/11/2019	427,915.38
	6/12/2019	506,255.49
	6/17/2019	3,178.66
	6/19/2019	555,524.80
	6/21/2019	39,974.56
	6/26/2019	1,086,632.01
	6/27/2019	1,149,408.62
	6/28/2019	43,804.56
	7/3/2019	32,662.33
	7/9/2019	7,965.00
	7/10/2019	103,681.73
Lease Wires	6/28/2019	857,410.01

<b>CHECK REGISTER BANK 05 TOTAL =</b>	<b>4,841,449.91</b>
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### BREAKDOWN

01-206-00	1,703,307.21
02-206-00	51,449.40
03-206-00	285,687.79
04-206-00	38,003.30
06-206-00	2,756,183.71
07-206-00	-
08-206-00	-
20-206-00	2,435.91
21-206-00	1,006.63
47-206-00	-
50-206-00	3,375.96

<b>BANK TOTAL =</b>	<b>4,841,449.91</b>
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## SUPERINTENDENT'S REPORT AND MINUTES

Regular Meeting of the Board of Education  
Independent School District No. 280, Richfield, Minnesota

Richfield Public Schools *inspires* and *empowers* each individual to learn, grow and *excel*

**Monday, July 15, 2019**

**7:00 pm School Board Meeting**

**Location: Central Education Center, 7145 Harriet Avenue South,  
Enter Door #5, Multi-Purpose Room**

### CALL TO ORDER

The regular meeting of the Board of Education of ISD 280, Hennepin County, Richfield, Minnesota was held on Monday, July 15, 2019, in the Central Education Center, 7145 Harriet Avenue South, Richfield, Minnesota. Chair Crystal Brakke called the Regular Board Meeting to order at 7:17 pm with the following school board members in attendance: Timothy Pollis, John Ashmead, Paula Cole, Peter Toensing and Christine Maleck.

Administrators present were Superintendent Steven Unowsky, Chief Human Resources & Administrative Officer Craig Holje, Executive Director Clarkson and Director Nielsen.

### REVIEW AND APPROVAL OF THE AGENDA

Motion by Toensing, seconded by Ashmead, and unanimously carried, the Board of Education approved the agenda.

### INFORMATION AND PROPOSALS -- NON-ACTION ITEMS

Public Comment

Laurie Humiston – Richfield Resident

Superintendent Update

1. Facilities Project Update - Furniture
2. Special Education Unduplicated Child Count

### CONSENT AGENDA

Motion by Cole, seconded by Maleck, and unanimously carried, the Board of Education approved the consent agenda.

Routine Matters

1. Minutes of the regular meeting held June 10, 2019

*July 15, 2019 School Board Meeting Minutes*

2. General Disbursements as of July 10, 2019 in the amount of \$4,841,449.91.
3. Investments for June 2019
4. Designation of Depositories for School District Funds
5. Designation of Official Newspaper
6. Designation of School District Insurance Consultants
7. Designation of Legal Counsel
8. Signatories on Depository Accounts
  - 8.1 Signatories on Richfield Bloomington Credit Union Accounts
9. Wire Transfer of Funds
10. Membership in Associations: AMSD, ESCU, MSBA

#### Personnel Items

##### **Management Team Resignation**

**Michael Wallus** – Director of Math

##### **Certified Full Time Positions for Employment – 1<sup>st</sup> Year Probation**

**Callen Chamberlin** – Speech Language Pathologist – Senior High/Middle School

**Rowda Moalin** – Elementary Education – Centennial

**Molly Molitor** – Physical Education – Sheridan Hills

**James Paddock** – DAPE – Multi building

**Samuel Polivick** – Global Language Spanish – Senior High

**Rochelle Rank** – Mathematics – Senior High

**Katherine Stephens** – Instructional Coach – Middle School

**Hannah Virant** – Dual Language Elementary – RDLS

##### **Certified Full Time Position for Employment – 2<sup>nd</sup> Year Probation**

**Kathryn Wegner** – Social Studies – Senior High

##### **Certified Full Time Request for Part Time Leave of Absence**

**Karah Holle** – Language Arts – Senior High

##### **Certified Full Time Resignations**

**Courtnee Floback** – Social Studies – currently on leave of absence

**Margaret Hoehn** – Special Education – Middle School

**Seygbai Kai** – ESL – Centennial

**Lisa Kalata** – Social Worker – Centennial

**Brian Lentz** – Work Experience Handicap – Senior High

**Rowda Moalin** – Pre-School Teacher – Centennial

**Joey Waters** – Q-Comp Peer Reviewer – District wide

##### **Certified Part Time Position for Employment – 1<sup>st</sup> Year Probation**

**Tyone LaDouceur** – Occupational Therapist – Multi building

##### **Certified Part Time Resignation**

**Krystalle Caulkins-Duffy** – Global Language French – Senior High

**Classified Full Time Request for Leave of Absence – Admin. & Mgmt.  
Support Professionals**

**Lizzet Contreras** – 11 mo. Administrative Assistant 3 – RSTEM

**Classified Full Time Resignation – Food & Nutrition Services**

**Elizabeth Deike** – Kitchen Manager – Centennial

**Classified Full Time Resignation – Registered Nurse**

**Anne Kolsky** – Registered Nurse – Middle School

**Classified Part Time Request for Leave of Absence – Paraprofessional**

**Marguerite Sauer** – 36.25 hr/wk Special Ed. Para – Middle School

**Classified Part Time Resignations - Paraprofessionals**

**Jessica Lauer-Schumacher** – 35 hr/wk Instructional Para – RSTEM

**Sharla Michalik** – 36.25 hr/wk Special Ed. Para – Senior High

**Classified Part Time Termination – Paraprofessional**

**Kayla Mendez** – 32.5 hr/wk Instructional Para – RDLS

**OLD BUSINESS**

Board Policy 547 Student Dress and Appearance and Administrative Guidelines  
547.1 Richfield Dual Language School Uniform Dress - Final Read

Motion by Pollis, seconded by Ashmead, and unanimously carried, the Board of Education approved Policy 547 and Guidelines 547.1 as presented.

Board Policy 541 Student Behavior and Administrative Guidelines 541.1 Student Behavior - Final Read

Motion by Toensing, seconded by Maleck, and unanimously carried, the Board of Education approved Policy 541 and Guidelines 541.1 as presented.

Change Orders:

Change Order #001 – RSTEM – Facilities Project

Motion by Toensing, seconded by Cole, and unanimously carried, the Board of Education approved Change Order #001 for STEM.

Change Order's #003 & #004 - RDLS – Facilities Project

Motion by Pollis, seconded by Maleck, and unanimously carried, the Board of Education approved Change Orders #003 & #004 for RDLS.

Lease Agreement and Relocation of Richfield College Experience Program

Motion by Toensing, seconded by Ashmead, the Board was polled with 4 voting in favor (Cole, Toensing, Maleck, Ashmead) and 2 abstaining from voting

(Brakke & Pollis). With a majority vote, the Board of Education approved the Lease Agreement and Relocation of Richfield College Experience Program.

## NEW BUSINESS

### Lunch Prices FY20

Motion by Pollis, seconded by Cole, and unanimously carried, the Board of Education approved the lunch prices FY20.

### Richfield Public Schools Brand Approval

Motion by Toensing, seconded by Maleck to approve the new RPS Brand. A vote was taken and 5 voted in favor (Brakke, Cole, Toensing, Maleck, Ashmead) and 1 opposed (Pollis). With a majority vote, the Board of Education approved the Richfield Public Schools Brand.

## ADVANCE PLANNING

### A. Legislative Update

Professional Educator Licensing and Standards Board (PELSB) - Superintendent Unowsky was appointed by the Governor as the Minnesota Superintendent Representative.

### B. Information and Questions from Board

Chair Brakke – Board Agenda/Board Packet – the Board Agenda will be posted on the Richfield Public Schools' website on the Wednesday prior to the Board meeting. The Board Packet will be posted on the website on the Friday prior to the Board meeting.

### C. Future Meeting Dates

8-05-19	7:00pm	Regular Board Meeting Location: Central Education Center, 7145 Harriet Ave. So., Richfield, Door 5
8-19-19	7:00pm	Regular Board Meeting – Public Comment

### D. Suggested/Future Agenda Items

Implementation of Behavior Policy

## CLOSED SESSION AS ALLOWED BY MINNESOTA STATUTE 13D.05 FOR SUPERINTENDENT EVALUATION

Motion by Pollis, seconded by Maleck and unanimously carried, the Board of Education moved into closed session at 9:36pm. The purpose of the closed session was to discuss the superintendent evaluation.



## REOPEN MEETING

Motion by Pollis, seconded by Maleck and unanimously carried, the Board of Education moved back into open session at 10:09pm.

## ADJOURN REGULAR MEETING

Motion by Maleck, seconded by Ashmead, and unanimously carried, the Board of Education approved to adjourn at 10:10pm.

FUND	CHECK	DATE	VENDOR	TYPE	AMOUNT
01	V609156	07/11/2019	LISA M BAIRD	R	14.70
01	V609157	07/11/2019	LAURA M BERENS	R	66.82
01	V609158	07/11/2019	MARGARET R HOEHN	R	58.58
01	V609159	07/11/2019	JESSICA M HOFFMAN	R	283.16
01	V609160	07/11/2019	BRIDGE J MCKYE	R	147.00
01	V609161	07/11/2019	LEADRIANE L ROBY	R	124.35
01	V609162	07/11/2019	ROSA RUBIO-ESCODA	R	38.99
01	V609163	07/11/2019	NICOLE C SCHIFFLER REBER	R	49.00
01	V609164	07/11/2019	KASYA L WILLHITE	R	129.10
01	294341	07/15/2019	H BROOKS AND COMPANY LLC	R	2,685.86
01	294342	07/15/2019	PAN O GOLD BAKING CO	R	220.60
01	294343	07/15/2019	PLAINVIEW MILK PRODUCTS COOPERATIVE	R	1,122.06
01	294344	07/15/2019	TRIO SUPPLY COMPANY	R	1,264.76
01	294345	07/15/2019	UPPER LAKES FOODS	R	2,413.26
01	294346	07/15/2019	HOGLUND BUS CO INC	R	216,559.39
01	V1900369	07/15/2019	SUN TRUST EQUIPMENT FINANCE LEASING	R	71,715.62
01	294347	07/17/2019	ADVANCE AUTO PARTS	R	49.28
01	294348	07/17/2019	ALL STATE COMMUNICATIONS INC	R	375.00
01	294349	07/17/2019	AMAZON.COM SYNCB/AMAZON	R	1,301.85
01	294350	07/17/2019	BATTERIES PLUS BULBS	R	45.98
01	294351	07/17/2019	BEN FRANKLIN ELECTRIC INC	R	3,624.00
01	294352	07/17/2019	BLUETARP FINANCIAL	R	55.98
01	294353	07/17/2019	BRAUN INTERTEC CORP	R	2,207.50
01	294354	07/17/2019	BSI MECHANICAL, INC.	R	748.87
01	294355	07/17/2019	CARQUEST AUTO PARTS	R	245.84
01	294356	07/17/2019	CATALYST BUYING GROUP LLC	R	314.99
01	294357	07/17/2019	CINTAS CORPORATION NO 2	R	307.18
01	294358	07/17/2019	CITY OF RICHFIELD	R	18,592.59
01	294359	07/17/2019	CONTINENTAL RESEARCH CORP	R	250.09
01	294360	07/17/2019	ECOLAB INC	R	111.29
01	294361	07/17/2019	FASTENAL INDUSTRIAL	R	48.57
01	294362	07/17/2019	FATH CUTTER, NOELLA	R	4,380.00
01	294363	07/17/2019	GOPHER STAGE LIGHTING	R	1,675.54
01	294364	07/17/2019	HAWKINS INC	R	1,867.90
01	294365	07/17/2019	HOGLUND BUS CO INC	R	121.54
01	294366	07/17/2019	HONEYWELL INTERNATIONAL	R	350.00
01	294367	07/17/2019	HOTSY MINNESOTA.COM	R	57.57
01	294368	07/17/2019	ICS CONSULTING INC	R	86,094.84
01	294369	07/17/2019	INSTITUTE FOR ENVIROMENTAL	R	1,072.50
01	294370	07/17/2019	KELLEY FUELS INC	R	1,537.51
01	294371	07/17/2019	KREMER SERVICES LLC	R	3,720.76
01	294372	07/17/2019	MACKIN BOOK COMPANY	R	575.38
01	294373	07/17/2019	METROPOLITAN MECHANICAL CONTRACTORS	R	1,253.07
01	294374	07/17/2019	MINNESOTA OCCUPATIONAL HEALTH	R	257.55
01	294375	07/17/2019	PLANSOURCE, INC.	R	2,688.16
01	294376	07/17/2019	SCHUMACHER ELEVATOR COMPANY	R	1,351.83
01	294377	07/17/2019	SITEONE LANDSCAPE SUPPLY LLC	R	60.42
01	294378	07/17/2019	TOLL COMPANY	R	43.32
01	294379	07/17/2019	TRANSPORTATION PLUS, INC.	R	158.00
01	294380	07/17/2019	TWIN CITY FILTER SERVICE INC	R	1,246.02

01	294381	07/17/2019	WOLD ARCHITECTS AND ENGINEERS	R	189,987.97
01	294382	07/17/2019	XCEL ENERGY	R	13,623.48
01	294383	07/17/2019	ABC-CLIO INC	R	599.00
01	294384	07/17/2019	AMAZON.COM SYNCB/AMAZON	R	295.18
01	294385	07/17/2019	AMSD-ASSOC OF METRO	R	9,105.00
01	294386	07/17/2019	ARVIG ENTERPRISES INC	R	1,357.90
01	294387	07/17/2019	BLUE CROSS BLUE SHIELD OF MINNESOTA	R	7,326.00
01	294388	07/17/2019	BOND TRUST SERVICES CORP	R	2,850.00
01	294389	07/17/2019	CARQUEST AUTO PARTS	R	213.84
01	294390	07/17/2019	CENTURYLINK	R	109.95
01	294391	07/17/2019	CINTAS CORPORATION NO 2	R	187.16
01	294392	07/17/2019	ECM PUBLISHERS INC	R	23.80
01	294393	07/17/2019	EDGENUITY INC.	R	22,500.00
01	294394	07/17/2019	FASTSIGNS	R	1,588.99
01	294395	07/17/2019	FRONTLINE TECHNOLOGIES GROUP LLC	R	18,391.30
01	294396	07/17/2019	FURTHER	R	675.00
01	294397	07/17/2019	WW GRAINGER INC	R	245.09
01	294398	07/17/2019	GSSC-GENERAL SECURITY SERVICE	R	1,073.55
01	294399	07/17/2019	HOGLUND BUS CO INC	R	66.24
01	294400	07/17/2019	HR SIMPLIFIED INC.	R	880.00
01	294401	07/17/2019	JAYTECH, INC	R	220.00
01	294402	07/17/2019	KREMER SERVICES LLC	R	877.92
01	294403	07/17/2019	LOFFLER	R	1,144.95
01	294404	07/17/2019	MARIA LOPEZ	R	375.00
01	294405	07/17/2019	MESPA-MN ELEMENTARY	R	689.00
01	294406	07/17/2019	MICHAEL MILLER	R	120.00
01	294407	07/17/2019	NWEA	R	39,143.00
01	294408	07/17/2019	PAPCO, INC.	R	112.50
01	294409	07/17/2019	PCS REVENUE CONTROL	R	7,429.00
01	294410	07/17/2019	PREMIUM WATERS INC	R	24.00
01	294411	07/17/2019	SCHUMACHER ELEVATOR COMPANY	R	16,512.50
01	294412	07/17/2019	SITEONE LANDSCAPE SUPPLY LLC	R	55.39
01	294413	07/17/2019	TIERNEY BROTHERS INC	R	146,750.00
01	294414	07/17/2019	TIRE TOWN INC	R	45.00
01	294415	07/17/2019	UNITED HEALTHCARE	R	153.20
01	294416	07/17/2019	UNITED HEALTHCARE INSURANCE CO	R	452.68
01	294417	07/17/2019	ALLSTATE PETERBILT OF S ST PAUL	R	95.00
01	294418	07/18/2019	H BROOKS AND COMPANY LLC	R	2,428.17
01	294419	07/18/2019	MASA	R	715.00
01	294420	07/18/2019	MEAL DATA INC	R	3,720.00
01	294421	07/18/2019	MY K12 RESOURCE, LLC	R	7,425.00
01	294422	07/18/2019	PAN O GOLD BAKING CO	R	197.20
01	294423	07/18/2019	TRUGREEN LIMITED PARTNERSHIP	R	10,697.97
01	294424	07/18/2019	UPPER LAKES FOODS	R	4,516.43
01	294425	07/18/2019	BAYADA	R	900.00
01	294426	07/18/2019	CAPITAL ONE COMMERCIAL	R	108.88
01	294427	07/18/2019	DULUTH ISD #709	R	312.70
01	294428	07/18/2019	ECCO MIDWEST INC	R	124,355.00
01	294429	07/18/2019	FAIRCON SERVICE COMPANY	R	974.56
01	294430	07/18/2019	GENERAL OFFICE PRODUCTS	R	19.00
01	294431	07/18/2019	ICS CONSULTING INC	R	78,985.27

01	294432	07/18/2019	ISD 271 KENNEDY HS	R	1,344.10
01	294433	07/18/2019	ISD 625 - PRINT CENTER	R	25.00
01	294434	07/18/2019	LANGUAGE LINE SERVICE	R	104.15
01	294435	07/18/2019	LS BLACK CONSTRUCTORS, INC.	R	3,037,898.60
01	294436	07/18/2019	MALLOY MONTAGUE KARNOWSKI & RADO	R	3,500.00
01	294437	07/18/2019	SHAW-LUNDQUIST ASSOCIATES, INC.	R	848,108.65
01	294438	07/18/2019	SHERWIN WILLIAMS CO	R	42.06
01	294439	07/18/2019	TITAN ENVIROMENTAL, INC.	R	221,714.88
01	294440	07/18/2019	XCEL ENERGY	R	83.34
01	V1900396	07/29/2019	BOND TRUST SERVICES CORP	R	2651293.75
01	294441	07/31/2019	HERITAGE CRYSTAL CLEAN INC	R	171.87
01	294442	07/31/2019	INSTITUTE FOR ENVIROMENTAL	R	112888.69
01	294443	07/31/2019	KINECT ENERGY INC	R	4032.36
01	294444	07/31/2019	MINNESOTA UI FUND	R	1230.55
01	294445	07/31/2019	OCCUPATIONAL MEDICINE CONSULTANTS	R	29.25
01	294446	07/31/2019	ASCD-ASSOC FOR SUPEVISION & CURRICU	R	239
01	294447	07/31/2019	BRAMBILLA'S LEASE SYSTEMS, INC	R	2161
01	294448	07/31/2019	CEL PUBLIC RELATIONS, INC.	R	16871.54
01	294449	07/31/2019	CODEHS INC	R	8400
01	294450	07/31/2019	CPM EDUCATIONAL PROGRAM	R	31739.89
01	294451	07/31/2019	CREATING ART INC	R	60
01	294452	07/31/2019	EDPUZZLE, INC	R	2140
01	294453	07/31/2019	EDUCATORS BENEFIT CONSULTANTS LLC	R	401.85
01	294454	07/31/2019	FRONTLINE TECHNOLOGIES GROUP LLC	R	48181.48
01	294455	07/31/2019	GENERATIVE LEARNING	R	1200
01	294456	07/31/2019	GROUP MEDICAREBLUE RX	R	6720
01	294457	07/31/2019	H BROOKS AND COMPANY LLC	R	918.4
01	294458	07/31/2019	HERITAGE CRYSTAL CLEAN INC	R	534.23
01	294459	07/31/2019	HOPE CHURCH	R	27977.5
01	294460	07/31/2019	IDEAL ENERGIES LLC	R	992.09
01	294461	07/31/2019	KRUEGER ESTEE STENE	R	13.15
01	294462	07/31/2019	LARSON JUDI	R	37.48
01	294463	07/31/2019	LOMAX CARLA	R	180
01	294464	07/31/2019	MADISON NATIONAL LIFE INS CO INC	R	6679.49
01	294465	07/31/2019	MENARDS - RICHFIELD	R	667.36
01	294466	07/31/2019	MEYERS MELINDA	R	137.5
01	294467	07/31/2019	MTI DISTRIBUTING CO	R	84959.36
01	294468	07/31/2019	ON SITE SANITATION	R	1136.26
01	294469	07/31/2019	PAN O GOLD BAKING CO	R	54.9
01	294470	07/31/2019	HOLISTIC KNEADS LLC	R	180
01	294471	07/31/2019	RICHFIELD BUS COMPANY	R	1618.9
01	294472	07/31/2019	RUPP ANDERSON SQUIRES & WALDSPURGER	R	1616.3
01	294473	07/31/2019	RYAN JEANNIE M	R	507.76
01	294474	07/31/2019	SCHOOL SERVICE EMPLOYEES UNION	R	3939.16
01	294475	07/31/2019	SHERWIN WILLIAMS CO	R	151.91
01	294476	07/31/2019	SOURCEWELL TECHNOLOGY	R	88172.49
01	294477	07/31/2019	UNITED STATES TREASURER	R	230
01	294478	07/31/2019	XCEL ENERGY	R	47788.84

<b>TOTAL E-PAY, WIRE TRANSFERS &amp; CHECK REGISTER</b>					<b>8,423,413.03</b>
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## E-PAY, WIRE TRANSFERS & CHECK RUNS FOR 08/05/2019 BOARD REPORTS

BANK 05	DATE	AMOUNT
E-Pays	7/11/2019	911.70
Wire Transfers	7/15/2019	71,715.62
	7/29/2019	2,651,293.75
Checks	7/15/2019	224,265.93
	7/17/2019	622,089.51
	7/18/2019	4,348,175.96
	7/31/2019	504,960.56

CHECK REGISTER BANK 05 TOTAL =	<b>8,423,413.03</b>
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BREAKDOWN	
01-206-00	999,435.44
02-206-00	39,429.01
03-206-00	12,984.56
04-206-00	9,651.49
06-206-00	4,705,268.77
07-206-00	2,449,893.75
08-206-00	50.63
20-206-00	1,721.47
21-206-00	678.91
47-206-00	204,250.00
50-206-00	49.00
BANK TOTAL =	<b>8,423,413.03</b>

**Board of Education**  
Independent School District 280  
Richfield, Minnesota

**Regular Meeting, August 5, 2019**

**Subject: PERSONNEL ITEMS**  
(Recommended by Superintendent)

That the Board of Education approve the following personnel items:

**Management Team Position for Employment**

**Johnny Cook** – Assistant Principal – Senior High

**Certified Full Time Positions for Employment – 1<sup>st</sup> Year Probation**

**JoHanna Andrews** – ESL – Senior High

**Katelyn Klaus** – Special Education – Middle School

**Callen McInnes** – Work Experienced Handicapped – Senior High

**Sharla Michalik** – Special Education – SEC

**Sonia Moret** – Dual Language Elementary – RDLS

**Whitney Restemayer** – Physical Education/Health – Senior High

**Certified Full Time Position for Employment – Continuing**

**Amber Lewis** – ESL/Vocal Music – Senior High

**Certified Full Time Positions for Employment - Temporary**

**Maureen Feyen** – Occupational Therapist – Senior High

**Kaitlin Senn** – Psychologist – Senior High

**Certified Part Time Position for Employment – 1<sup>st</sup> Year Probation**

**Erin McDonough** – Science – Middle School

**Certified Part Time Position for Employment - Continuing**

**Margaret Hoehn** – Special Education – RCEP

**Classified Full Time Position For Employment – Admin. & Mgmt. Support Professionals**

**Jessica Lauer-Schumacher** – Administrative Assistant 3 – Central

**Classified Full Time Position for Employment – Facilities & Transportation**

**Anna Snaza** – Building Cleaner – Senior High

**Classified Full Time Retirement – Facilities & Transportation**

**Phil Ceder** – Engineer – District

**Classified Full Time Resignations – Facilities & Transportation**

**Tyree Harris** – Building Cleaner – Senior High

**Anna Snaza** – Building Cleaner – Senior High

**Classified Part Time Position for Employment – Paraprofessionals**

**Sarah Gacek** – 37.5 hr/wk Instructional Para – Districtwide

**Robert Myles** – 31.65 hr/wk Managerial Para – Senior High

**Classified Part Time Position for Employment – Student Engagement Specialist**

**Kelly Holdgrafer** – 37.5 hr/wk SES – Middle School

**Classified Part Time Resignation – Food & Nutrition Services**

**Elissa Marty** – 25 hr/wk Kitchen Assistant – Senior High

**Classified Part Time Resignations – Paraprofessionals**

**Emeche Wells** – 35 hr/wk Clerical Para – Middle School

**Susan Westvig** – 30 hr/wk Special Ed. Para – Centennial

**OLD BUSINESS - FOR ACTION**

**Agenda Item V.A.**

**Board of Education**  
Independent School District 280  
Richfield, Minnesota

**Regular Meeting, August 5, 2019**

**Subject: RHS Facilities Project Change Order #1**

(Recommended by the Superintendent)

That the Board of Education approves RHS Facilities Project Change Order #1 with LS Black Constructors for net increase of \$23,940.54 due to Minnesota DOLI Plumbing plan review comments and plaster ceiling demolition in the lower level.

**Background Information**

Change order number one provides modifications to the plumbing system as required by the State of MN plumbing plan review as well as demolition of the plaster ceilings in the lower level that were not included in the original scope of work.

Original project cost was \$35,430,000.00. The total cost of the project is now \$35,453,940.54.





CCO #001

ICS Consulting, Inc.  
3890 Pheasant Ridge Drive N.E., Suite 180  
Blaine, Minnesota 55449  
Phone: (763) 354-2670  
Fax: (763) 780-2866

Project: S180064 - RHS - ISD #280, Richfield High School  
7001 Harriet Avenue South  
Richfield, Minnesota 55423

**DRAFT**

## Contract Change Order #001: L.S. Black CO 001

<b>CONTRACT COMPANY:</b>	<b>L.S. Black Constructors, Inc.</b> 1959 Sloan Place, Suite 140 St. Paul, Minnesota 55117	<b>CONTRACT FOR:</b>	SC-S180064 - RHS-001:L.S. Black Single Prime Contract
<b>DATE CREATED:</b>	7/26/2019	<b>CREATED BY:</b>	Raeann Wynn (ICS Consulting, Inc. - Blaine, MN)
<b>CONTRACT STATUS:</b>	Draft	<b>REVISION:</b>	0
<b>REQUEST RECEIVED FROM:</b>		<b>LOCATION</b>	
<b>DESIGNATED REVIEWER:</b>		<b>REVIEWED BY:</b>	
<b>DUE DATE:</b>		<b>REVIEW DATE:</b>	
<b>INVOICED DATE:</b>		<b>PAID DATE:</b>	
<b>REFERENCE:</b>		<b>CHANGE REASON:</b>	Design Development
<b>PAID IN FULL:</b>	No	<b>EXECUTED:</b>	No
<b>ACCOUNTING METHOD:</b>	Amount Based	<b>SCHEDULE IMPACT:</b>	0 days
<b>FIELD CHANGE:</b>	No	<b>TOTAL AMOUNT:</b>	\$23,940.54

**DESCRIPTION:**

Added cost to comply with Minnesota Department of Labor mechanical revisions. Price to unforeseen plaster ceiling in lower level spaces.

CE #002 - PR #001 MDLI Comments: \$16,775.42

CE #010 - Plaster in Ceiling (Basement Area M): \$7,165.12

**ATTACHMENTS:**

CE 010 Pricing.pdf CE 002-PR 001 Pricing.pdf

**CHANGE ORDER LINE ITEMS:**

The original (Contract Sum)	\$ 35,430,000.00
Net change by previously authorized Change Orders	\$ 0.00
The contract sum prior to this Change Order was	\$ 35,430,000.00
The contract sum would be changed by this Change Order in the amount of	\$ 23,940.54
The new contract sum including this Change Order will be	\$ 35,453,940.54
The contract time will not be changed by this Change Order by 0 days	

**L.S. Black Constructors, Inc.**  
1959 Sloan Place, Suite 140  
St. Paul Minnesota 55117

**Wold Architects & Engineers**  
332 Minnesota Street, Suite W2000  
St. Paul Minnesota 55101

**Independent School District #280**  
7001 Harriet Avenue S.  
Richfield Minnesota 55423

SIGNATURE

DATE

SIGNATURE

DATE

SIGNATURE

DATE



Richfield High School Additions and Renovations

Occurrence  
PR #001

COR #

001

		Unit Rate	Units	Subtotal
Labor				\$ 67.38
Laborer	Demo, rvm, dispose add'l conc. M5.201	\$ 67.38	1	\$ 67.38
				\$ -
				\$ -
				\$ -
				\$ -
Materials				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Equipment				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Subcontractors				\$ 15,906.00
Weidners	Multiple scope changes			\$ 15,906.00
				\$ -
				\$ -

Subtotal	\$ 15,973.38
Labor Markup	\$ 6.74
Materials Markup	\$ -
Equipment Markup	\$ -
Subcontractor Markup	\$ 795.30
Grand Total	\$ 16,775.42

COMMENTS

None



29 Wilson Ave NE, St Cloud MN 56304

TO: LS BLACK  
 ATTN: JUSTIN RICE  
 PROJECT: RICHFIELD HIGH SCHOOL

DATE: May 15, 2019

CO# : PR 1

CONTACT NAME: DAN & ADAM GOEBEL

### COST SUMMARY

Description	Cost
Labor Total	\$ 3,236.04
10 % Overhead & Profit	\$ 323.60
<b>Labor Total</b>	<b>\$ 3,559.64</b>
Materials & Equipment Total	\$ 9,332.30
Tax on Materials & Equipment Only	\$ 688.72
SubTotal	\$ 10,021.02
10% Overhead & Profit	\$ 1,002.10
<b>Material &amp; Equipment Total</b>	<b>\$ 11,023.13</b>
Subcontractors	\$ 1,260.00
5% Overhead & Profit on Subs	\$ 63.00
<b>Subcontractor Total</b>	<b>\$ 1,323.00</b>
<b>TOTAL COST OF CHANGE</b>	<b>\$ 15,906.00</b>

Labor By Task	Hours	Hourly Cost	Total Cost
			\$ -
LABOR	35.6	\$ 90.90	\$ 3,236.04
			\$ -
<b>Sub-Total</b>			<b>\$ 3,236.04</b>
Materials and Equipment By Task			Total Cost
SEE ATTACHED FOR BREAKDOWN			\$ 9,332.30
<b>Sub-Total</b>			<b>\$ 9,332.30</b>
Sub-Contractor			Total Cost
			\$ -
INSULATION			\$ 1,260.00
			\$ -
<b>Sub-Total</b>			<b>\$ 1,260.00</b>

CREDIT - 5 - 2" FITTINGS NH (16.83 EACH)	-84.15
CREDIT - 40' - 2" NH PIPE (11.42 PER FOOT)	-456.80
CREDIT - 11 - 2" NH BANDS (3.00 EACH)	-33.00
5 - 4" FITTINGS NH (34.74E ACH)	173.70
40' - 4" NH PIPE (20.47 PER FOOT)	818.80
11 - 4" NH BANDS (4.24 EACH)	46.64
CREDIT - 5 - 6" FITTINGS NH (84.06 EACH)	-420.30
CREDIT - 40' - 6" NH PIPE (35.17 PER FOOT)	-1,406.80
CREDIT - 14 - 6" NH BANDS (22.10 EACH)	-309.40
3 - 8" FITTINGS NH (236.34 EACH)	709.02
30' - 8" PIPE NH ( 54.80 EACH)	1,644.00
9 - 8" NH BANDS (45.58 EACH)	410.22
2 - 10" FITTINGS NH (472.41 EACH)	944.82
10' - 10" PIPE NH (93.06 EACH)	930.60
6 - 10" NH BANDS (58.58 EACH)	351.48
2 - 2" FITTINGS NH (16.83 EACH)	33.66
10' - 2" PIPE NH (11.42 PER FOOT)	114.20
6 - 2" NH BANDS (3.00 EACH)	18.00
CREDIT - 84' - 3/4" COPPER PIPE (2.26 EACH)	-189.84
224' - 1" COPPER PIPE (3.25 PER FOOT)	728.00
2 - 1" BALL VALVES (53.14 EACH)	106.28
1 - 1" BALANCING VALES (54.00 EACH)	54.00
CREDIT - 2 - 4" PVC FITTINGS (10.75 EACH)	-21.50
CREDIT - 25' - 4" PVC PIPE (2.24 PER FOOT)	-56.00
2 - 6" PVC FITTINGS (33.72 EACH)	67.44
25' - 6" PVC PIPE (4.19 PER FOOT)	104.75
2 - 8" PVC FITTINGS (45.36 EACH)	90.72
25' - 8" PVC PIPE (6.51 PER FOOT)	162.75
6 - 2" PVC FITTINGS (1.65 EACH)	9.96
20' - 2" PVC PIPE (1.65 PER FOOT)	33.00
1 - FLOOR DRAIN 2 (79.64 EACH)	79.64
1 - FLOOR CLEANOUT (107.41 EACH)	107.41
CREDIT - SP2 (ORIGINAL)	-13,503.00
1 - SPS (NEW)	18,074.00
<b>TOTAL</b>	<b>9,332.30</b>



## PROPOSAL REQUEST

ISD #280 – Richfield Public Schools	Richfield High School
LS Black Constructors	Attn: Justin Rice
1959 Sloan Place, Suite 220	
Saint Paul, Minnesota 55117	
651-774-8445	651-774-9695
rdew@lsblack.com	

Submit an itemized (labor and material) quotation for the proposed modifications to the contract documents as described herein within 21 days of receipt. If a cost is not submitted within 21 days, this Proposal Request can be accepted at no additional cost. Written approval is required prior to proceeding with this change.  COST EXPECTATIONS: <input type="checkbox"/> DEDUCT <input type="checkbox"/> NO COST <input checked="" type="checkbox"/> ADD	PR: #001
	Comm: #172297
	Const. Pkg: #

### Distribution:

- ☒ Dan Kretsinger, 280
- ☐ Rick Regnier, Richfield
- ☒ Andy Faulker, ICS
- ☒ Taylor Rugroden, ICS
- ☒ Dave Phillips, ICS
- ☐ Chris Ghormley, AJA
- ☐ Matt Ricker, BKBM
- ☐ Alex Smith, BKBM
- ☒ John Dunne, Rippe
- ☐ Abdual Ganamo, Wold
- ☐ N. M.-Alquicira, Wold
- ☒ Ryan Charlton, Wold
- ☒ Joe Matlock, Wold
- ☒ Jim Gausman, Wold
- ☒ Michael Klass, Wold
- ☒ John Kretchmer, Wold

Item	Description
1.0	<b>Plumbing Review Response.</b> Item decimal number corresponds to MN DLI Code Review letter reference <b>PB-R1902-0186</b> .
1.4	Reissue M1.00m: 6-inch SD changed to 10-inch size near grid XAC-X05.
1.5	Reissue M1.UGm. SD at grid X10-XAB changed to 6-inch size from 4-inch Reissue M1.UGn. SD at grid X15-XQQ changed to 8-inch size from 6-inch
1.8	Reissue M8.202: Sump Pump SP-2 has two redundant pumps and an alternator.
1.10	Reissue M1.00fA and M7.101: Standpipe and downstream piping changed from 2-inch size to 4-inch near grid AAA.5-X25.
1.12	Reissue M5.202 and M7.110: Change size of vent pipe from 3-inch size to 4-inch near grid XS.5-X11.
1.13	On sheets M5.202 and M7.110: Change size of vent pipe from 2-inch size to 3-inch near grid XS-X11.
1.14	Reissue sheet M7.102 Change 2-inch size SS to 3-inch serving five P-8 fixtures on detail F1.
1.19	Reissue M5.201. Add tell-tale floor drain at P-
1.20	Reissue M5.201, M5.202, & M7.110: Add 2-inch vent pipe to grease interceptor discharge line.
1.22	Reissue M1.103c, M1.103h, M7.101, M7.102, M7.107, M7.108, & M8.204: Drawings revised to show 1-inch HW and 1-inch CW supply piping to mixing valves at P-10 emergency eyewash/shower fixtures.

Attachments: M1.UGm, M1.00fA, M1.00m, M1.103c, M1.103h, M5.201, M5.202, M7.101, M7.102, M7.107, M7.108, M7.110, M8.202, M8.204, C.51, Laundry Machines

Issued By: Jim Gausman

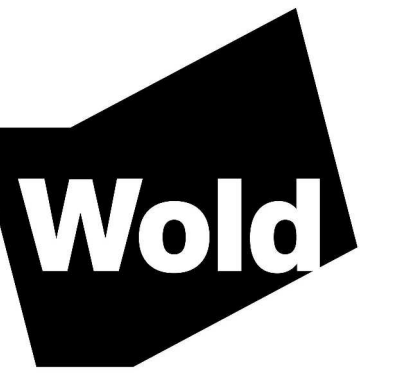
Date: 4/30/2019

**Wold Architects and Engineers**  
332 Minnesota Street, Suite W2000  
Saint Paul, MN 55101  
woldae.com | 651 227 7773

**PLANNERS  
ARCHITECTS  
ENGINEERS**

7001 Harriet Avenue  
Richfield, Minnesota 55423

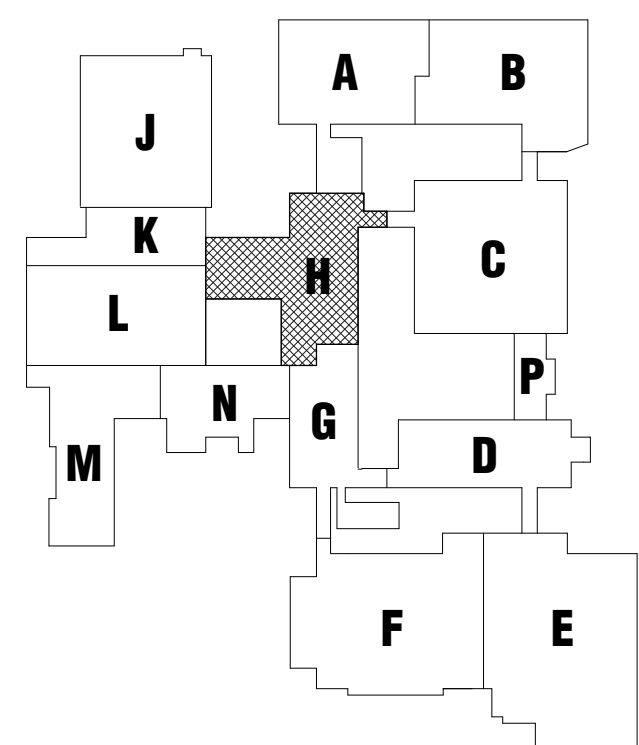
7001 Harriet Avenue  
Richfield, Minnesota 55423



**VOLD ARCHITECTS  
AND ENGINEERS**

32 Minnesota Street, Suite W2000  
Saint Paul, MN 55101

wolda.com | 651 227 7773



## KEY PLAN

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**

PROFESSIONAL ENGINEER

under the laws of the State of **MINNESOTA**

*Le. Marshall*

License **KEVIN MARSHALL**

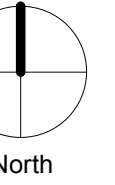
Number: 23989 Date: 1/22/2019

[illegible]Comm: 172297

Date: 1/22/2019

Drawn: **ZW**

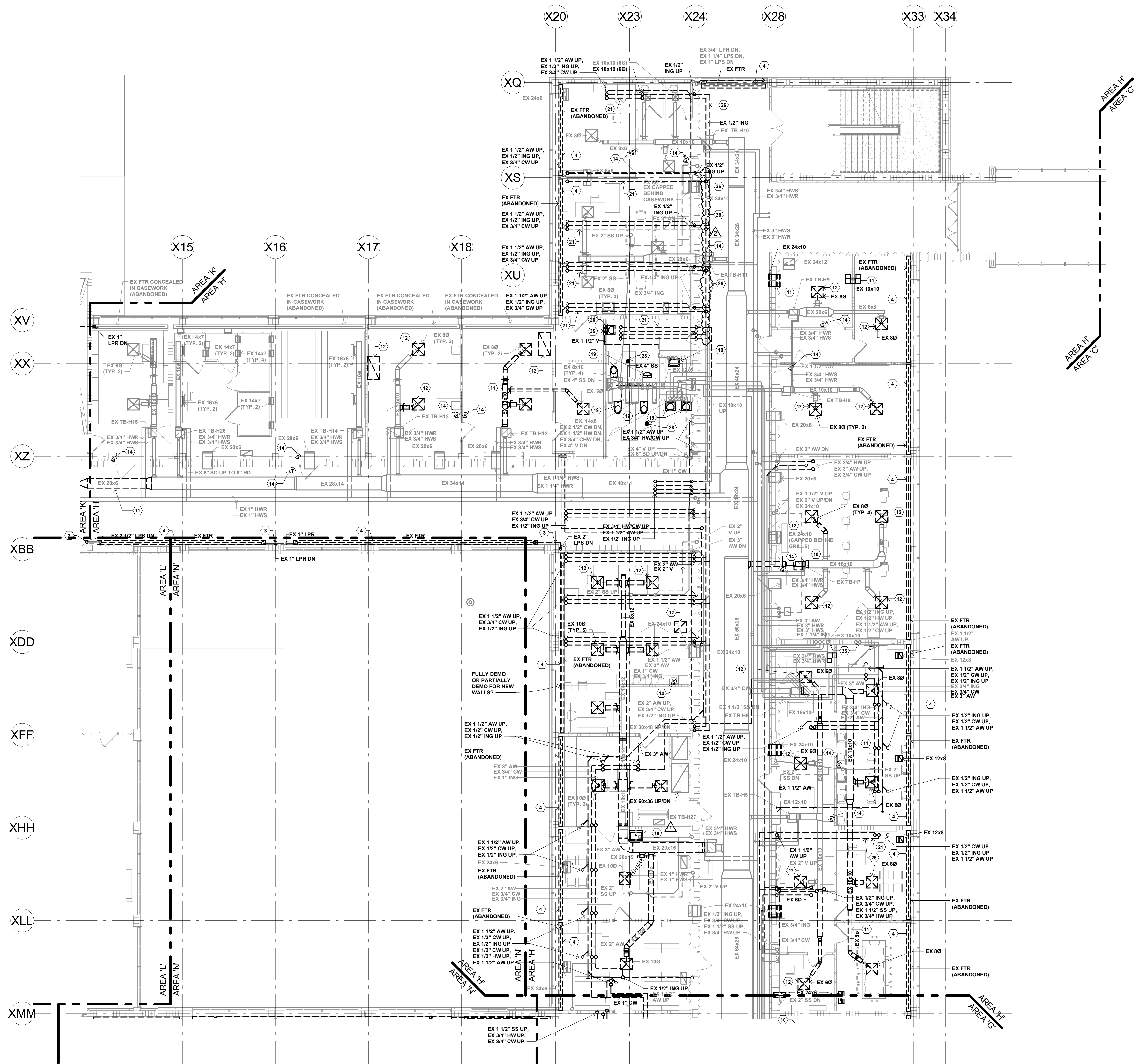
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## SECOND FLOOR DEMOLITION PLAN - AREA 'H'

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

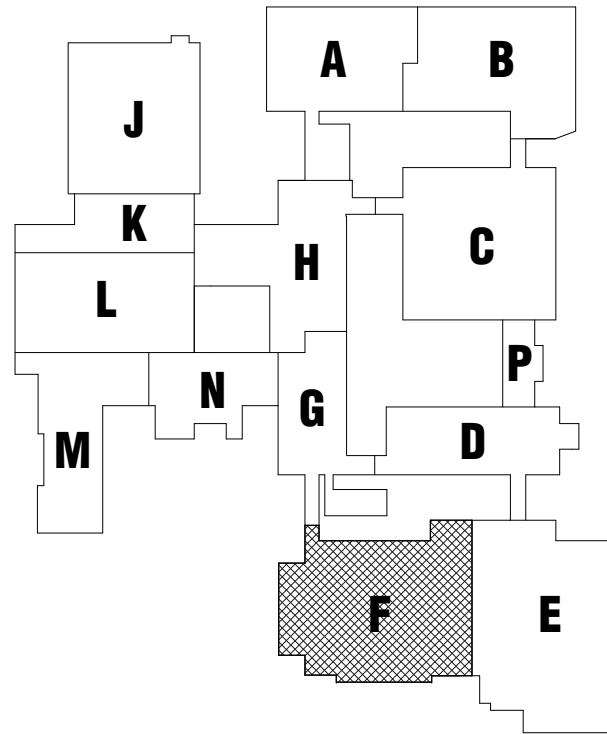
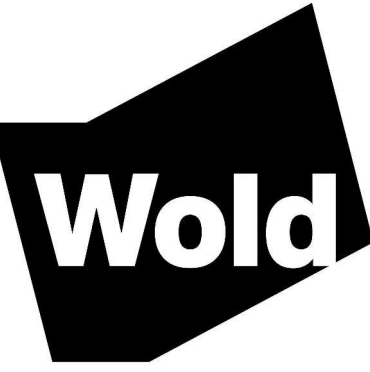
# M0.02h



**F1 SECOND FLOOR DEMOLITION PLAN - AREA 'H'**  
1/8" = 1'-0"

$1/8" = 1'-0"$





Revisions			
Description	Date	Num	
ADDENDUM #2	2/12/21	1	
PR #001	04/30/2019	2	

Comm: 172297  
Date: 1/22/2019  
Drawn: NRN  
Check: JC  
North

BASEMENT FLOOR PLUMBING PLAN - AREA 'F' - ALTERNATE #2

PLUMBING PLAN GENERAL NOTES:

1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.
2. ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.
6. INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.
7. THE MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING CEILING TILES AND GRIDS AS REQUIRED FOR INSTALLATION OF NEW WORK. ANY DAMAGED TILES AND/OR GRIDS SHALL BE REPLACED WITH NEW TO MATCH AT THE CONTRACTORS EXPENSE.
8. REFER TO PLUMBING RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.
9. PROVIDE AND INSTALL ALL LOW VOLTAGE WIRING TO ELECTRONIC PLUMBING FIXTURES IN A CONTINUOUS RACEWAY SYSTEM TO CONFORM TO ALL DIVISION 26 REQUIREMENTS. WORK TO INCLUDE TRANSFORMERS AS NECESSARY FOR THE CONNECTED QUANTITY OF FIXTURES, WIRING, CONDUIT, JUNCTION BOXES, AND FINAL CONNECTIONS. THE ELECTRICAL CONTRACTOR WILL PROVIDE 200 VOLT POWER AND CONNECTIONS TO LINE VOLTAGE SIDE OF THE TRANSFORMER. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
10. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED REINFORCEMENT OF NEW AND EXISTING STRUCTURAL MEMBERS FOR MECHANICAL SYSTEMS. REFER TO MECHANICAL SUPPORT REINFORCEMENT DETAIL FOR ADDITIONAL REQUIREMENTS.
11. REFER TO THE ARCHITECTURAL PHASING PLAN FOR PHASING AND SEQUENCE REQUIREMENTS. COORDINATE WORK TO MINIMIZE SYSTEM SHUT DOWNS AND TO KEEP SYSTEMS SERVING OCCUPIED AREAS ACTIVE.

PLUMBING PLAN KEYED NOTES:

1. FLOOR CUTTING AND PATCHING IN AREA INDICATED BY OTHERS. COORDINATE EXTENTS REQUIRED WITH OTHER TRADES.
2. BALANCE TO INDICATED GPM.
3. ROUTE ACID WASTE/ACID VENT AND DOMESTIC COLD/HOT/CIRCULATING HOT WATER BEHIND CASEWORK. REFER TO ARCHITECTURAL PLANS FOR CASEWORK DETAILS.
4. ROUTE ACID WASTE AND DOMESTIC COLD/HOT WATER BEHIND THE CASEWORK WITH IN THE FURRED WALL.
5. PROVIDE WASTE AND WATER CONNECTIONS TO FUMEHOOD. THE FUMEHOOD FIXTURES ARE PROVIDED BY THE FUMEHOOD MANUFACTURER. RECEIVE ALL LOOSE SHIPPED COMPONENTS AND FIELD ASSEMBLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND GUIDELINES. PROVIDE WATER STOPS, SUPPLIES, AND ACID WASTE TRAPS AS NECESSARY FOR FINAL CONNECTIONS.
6. AREA INDICATED IS A RETURN AIR PLENUM. REFER TO SPECIFICATION 22.66.00 FOR ALLOWED ACID WASTE AND VENT MATERIAL.
7. COORDINATE LOCATION OF VALVES, AND ACCESS PANEL WITH OTHER TRADES PRIOR TO INSTALLATION. ALL VALVES SHALL BE FULL ACCESSIBLE FOR SERVICE AND MAINTENANCE.
8. TRANSITIONS FROM ACID WASTE PIPING TO STANDARD SANITARY PIPING FOR FUTURE CONNECTION TO NEUTRALIZING BASIN.
9. FLOOR HEIGHT IN THIS AREA BEING RAISED BY OTHERS. ROUTE NEW PIPING ABOVE EXISTING FLOOR PER UNDERGROUND PIPING SPECIFICATIONS AND COORDINATE WORK WITH ALL OTHER TRADES.
10. PROVIDE 18 GAUGE METAL ENCLOSURE TO CONCEAL PIPING.
11. ROUTE PIPING AS HIGH AS POSSIBLE BETWEEN JOISTS. COORDINATE PIPING ROUTE WITH STRUCTURAL.
12. SUMP PUMP BASIN IS WRAPPED WITH A STRUCTURAL STEEL SLEEVE. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL PIPE PENETRATION THROUGH THE SLEEVE. COORDINATE INSTALLATION WITH ALL OTHER TRADES.
13. PROVIDE RPZ WITH 3/4" THREADED CONNECTIONS. COORDINATE EXACT LOCATION OF RPZ WITH OWNER PRIOR TO INSTALLATION.

XDD  
XEE

F7

FIRST FLOOR PLUMBING - AREA 'F' - ALTERNATE #2  
1/8" = 1'-0"

F1

BASEMENT FLOOR PLUMBING PLAN - AREA 'F' - ALTERNATE #2  
1/8" = 1'-0"

MN

M



MN

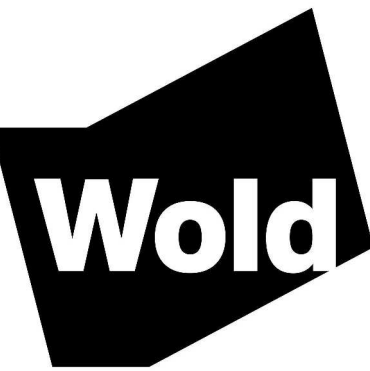
M

Richfield High School Additions and Renovations

7001 Harriet Avenue  
Richfield, Minnesota 55423

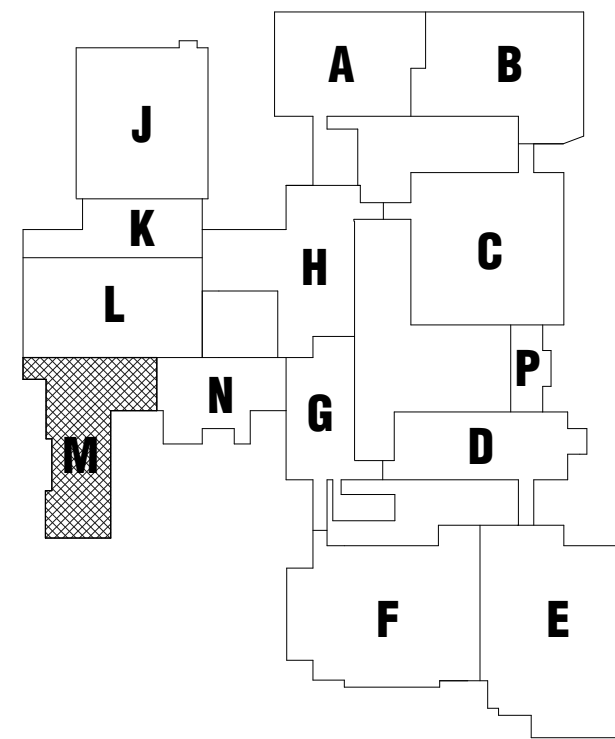
Independent School District #280

7001 Harriet Avenue  
Richfield, Minnesota 55423



WOLD ARCHITECTS  
AND ENGINEERS  
332 Minnesota Street, Suite W2000  
Saint Paul, MN 55101

woldac.com | 651 227 7773



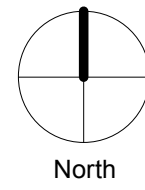
KEY PLAN

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.

Signature: *Kevin Marshall*  
License Number: 23989  
Date: 1/22/2019

Description	Revisions	
	Date	Num
ADDENDUM #1	2/6/19	1
PR #001	04/30/2019	2

Comm: 172297  
Date: 1/22/2019  
Drawn: NRN  
Check: JC



BASEMENT FLOOR PLUMBING PLAN - AREA 'M'

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

M1.00m

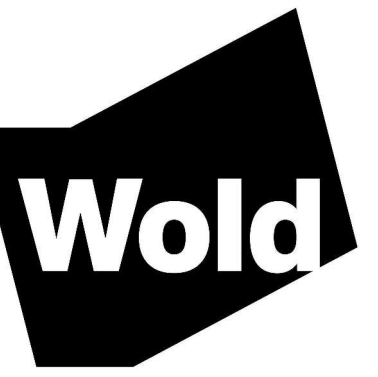
PLUMBING PLAN GENERAL NOTES:

- MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.
- ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
- MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
- COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.
- INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.
- THE MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING CEILING TILES AND GRIDS AS REQUIRED FOR INSTALLATION OF NEW WORK. ANY DAMAGED TILES AND OR GRIDS SHALL BE REPLACED WITH NEW TO MATCH AT THE CONTRACTORS EXPENSE.
- REFER TO PLUMBING RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.
- PROVIDE AND INSTALL ALL LOW VOLTAGE WIRING TO ELECTRONIC PLUMBING FIXTURES IN A CONTINUOUS RACEWAY SYSTEM TO CONFORM TO ALL DIVISION 26 REQUIREMENTS. WORK TO INCLUDE TRANSFORMERS AS NECESSARY FOR THE CONNECTED QUANTITY OF FIXTURES, WIRING, CONDUIT, JUNCTION BOXES, AND FINAL CONNECTIONS. THE ELECTRICAL CONTRACTOR WILL PROVIDE 120V VOLT POWER AND CONNECTIONS TO LINE VOLTAGE SIDE OF THE TRANSFORMER. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED REINFORCEMENT OF NEW AND EXISTING STRUCTURAL MEMBERS FOR MECHANICAL SYSTEMS. REFER TO "MECHANICAL SUPPORT REINFORCEMENT DETAIL" FOR ADDITIONAL REQUIREMENTS.
- REFER TO THE ARCHITECTURAL PHASING PLAN FOR PHASING AND SEQUENCE REQUIREMENTS. COORDINATE WORK TO MINIMIZE SYSTEM SHUT DOWNS AND TO KEEP SYSTEMS SERVING OCCUPIED AREAS ACTIVE.

PLUMBING PLAN KEYED NOTES:

- FLOOR CUTTING AND PATCHING IN AREA INDICATED BY OTHERS. COORDINATE EXTENTS REQUIRED WITH OTHER TRADES.
- BALANCE TO INDICATED GPM.
- ROUTE ACID WASTE/ACID VENT AND DOMESTIC COLD/HOT/CIRCULATING HOT WATER BEHIND CASEWORK. REFER TO ARCHITECTURAL PLANS FOR CASEWORK DETAILS.
- ROUTE ACID WASTE AND DOMESTIC COLD/HOT WATER BEHIND THE CASEWORK WITH IN THE FURRED WALL.
- PROVIDE WASTE AND WATER CONNECTIONS TO FUMEHOOD. THE FUMEHOOD FIXTURES ARE PROVIDED BY THE FUMEHOOD MANUFACTURER. RECEIVE ALL LOOSE SHIPPED COMPONENTS AND FIELD ASSEMBLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND GUIDELINES. PROVIDE WATER STOPS, SUPPLIES, AND ACID WASTE TRAPS AS NECESSARY FOR FINAL CONNECTIONS.
- AREA INDICATED IS A RETURN AIR PLENUM. REFER TO SPECIFICATION 22 66 00 FOR ALLOWED ACID WASTE AND VENT MATERIAL.
- COORDINATE LOCATION OF VALVES, AND ACCESS PANEL WITH OTHER TRADES PRIOR TO INSTALLATION. ALL VALVES SHALL BE FULL ACCESSIBLE FOR SERVICE AND MAINTENANCE.
- TRANSITIONS FROM ACID WASTE PIPING TO STANDARD SANITARY PIPING FOR FUTURE CONNECTION TO NEUTRALIZING BASIN.
- FLOOR HEIGHT IN THIS AREA BEING RAISED BY OTHERS. ROUTE NEW PIPING ABOVE EXISTING FLOOR PER UNDERGROUND PIPING SPECIFICATIONS AND COORDINATE WORK WITH ALL OTHER TRADES.
- PROVIDE 1/8 GAUGE METAL ENCLOSURE TO CONCEAL PIPING.
- ROUTE PIPING AS HIGH AS POSSIBLE BETWEEN JOISTS. COORDINATE PIPING ROUTE WITH STRUCTURAL.
- SUMP PUMP BASIN IS WRAPPED WITH A STRUCTURAL STEEL SLEEVE. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL PIPE PENETRATION THROUGH THE SLEEVE. COORDINATE INSTALLATION WITH ALL OTHER TRADES.
- PROVIDE RP2 WITH 3/4" THREADED CONNECTIONS. COORDINATE EXACT LOCATION OF RP2 WITH OWNER PRIOR TO INSTALLATION.

F1 BASEMENT FLOOR PLUMBING PLAN - AREA 'M'  
1/8" = 1'-0"



## KEY PLAN

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**


PROFESSIONAL ENGINEER  
MINNESOTA

under the laws of the State of MINNESOTA

License Number **22989** Date **1/23/2019**

[illegible]

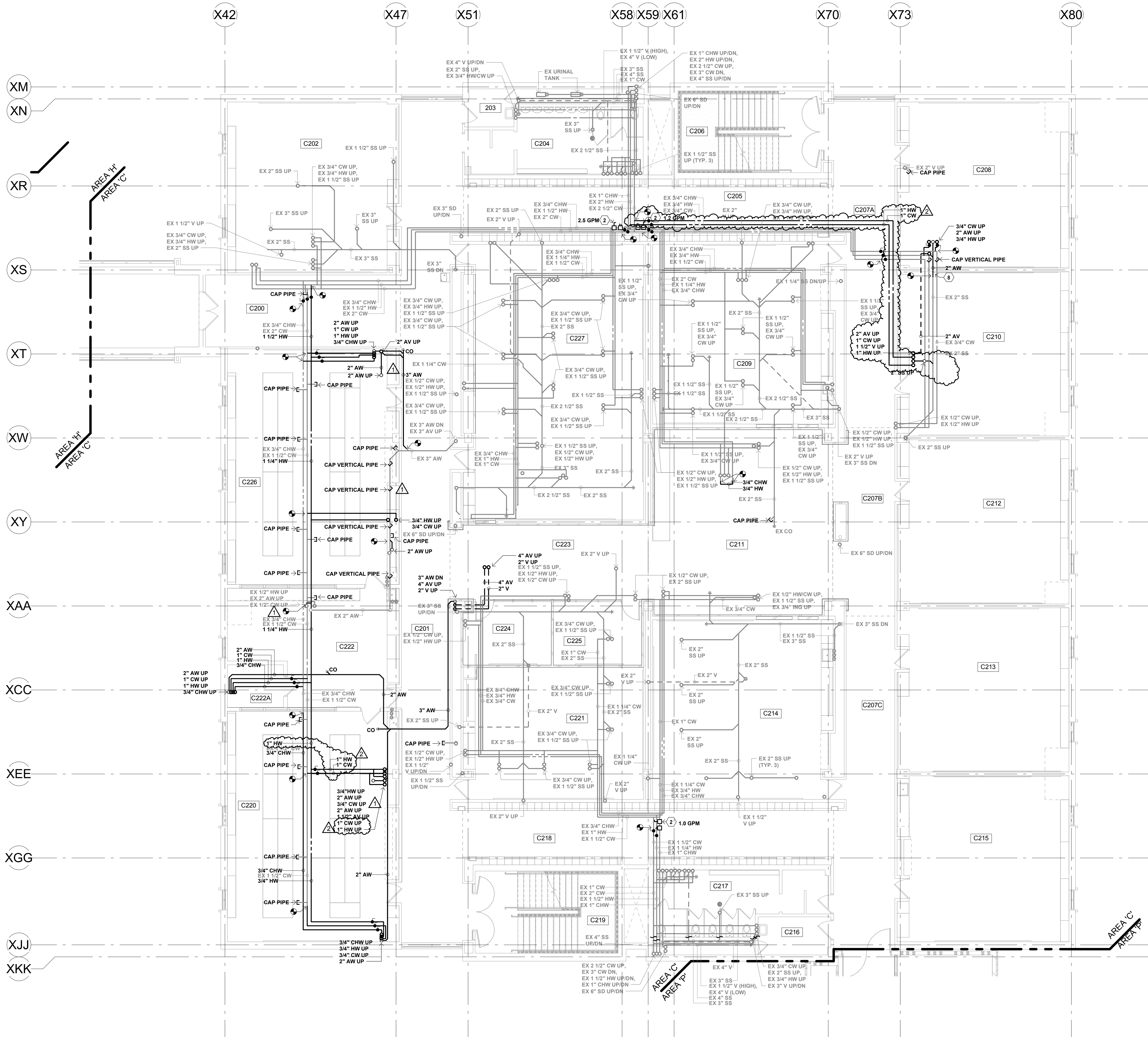
Comm: **172297**  
Date: **1/22/2019**  
Drawn: **NRN**  
Check: **JC**

  
North

## SECOND FLOOR PLUMBING PLAN - AREA 'C'

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

# M1.02c



**PLUMBING PLAN GENERAL NOTES:**

1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.

2. ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.

3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.

**4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.**

**5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.**

6. INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.

**7. THE MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING CEILING TILES AND GRIDS AS**

REQUIRED FOR INSTALLATION OF NEW WORK. ANY  
DAMAGED TILES AND OR GRIDS SHALL BE  
REPLACED WITH NEW TO MATCH AT THE

8. REFER TO PLUMBING RISER DIAGRAMS FOR  
ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.

9. PROVIDE AND INSTALL ALL LOW VOLTAGE WIRING TO ELECTRONIC PLUMBING FIXTURES IN A

CONTINUOUS RACEWAY SYSTEM TO CONFORM TO ALL DIVISION 26 REQUIREMENTS. WORK TO INCLUDE TRANSFORMERS AS NECESSARY FOR THE CONNECTED QUANTITY OF FIXTURES, WIRING, CONDUIT, JUNCTION BOXES, AND FINAL

CONNECTIONS, THE ELECTRICAL CONTRACTOR WILL PROVIDE 120/1 VOLT POWER AND CONNECTIONS TO LINE VOLTAGE SIDE OF THE TRANSFORMER. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

10. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED REINFORCEMENT OF NEW AND EXISTING STRUCTURAL MEMBERS FOR MECHANICAL SYSTEMS. REFER TO "MECHANICAL SUPPORT REINFORCEMENT DETAIL" FOR ADDITIONAL REQUIREMENTS.

11. REFER TO THE ARCHITECTURAL PHASING PLAN FOR PHASING AND SEQUENCE REQUIREMENTS. COORDINATE WORK TO MINIMIZE SYSTEM SHUT DOWNS AND TO KEEP SYSTEMS SERVING OCCUPIED AREAS ACTIVE.

**PLUMBING PLAN KEYED NOTES:**

FLOOR CUTTING AND PATCHING IN AREA  
INDICATED BY OTHERS. COORDINATE EXTENTS  
REQUIRED WITH OTHER TRADES.  
BALANCE TO INDICATED GPM.

ROUTE ACID WASTE/ACID VENT AND DOMESTIC COLD/HOT/CIRCULATING HOT WATER BEHIND CASEWORK. REFER TO ARCHITECTURAL PLANS FOR CASEWORK DETAILS.

ROUTE ACID WASTE AND DOMESTIC COLD/HOT WATER BEHIND THE CASEWORK WITH IN THE FURRED WALL.

PROVIDE WASTE AND WATER CONNECTIONS TO FUMEHOOD. THE FUMEHOOD FIXTURES ARE PROVIDED BY THE FUMEHOOD MANUFACTURER. RECIEVE ALL LOOSE SHIPPED COMPONENTS AND FIELD ASSEMBLE IN ACCORDENCE WITH MANUFACTURER'S INSTRUCTIONS AND GUIDELINES. PROVIDE WATER STOPS, SUPPLIES, AND ACID WASTE TRAPS AS NECESSARY FOR FINAL CONNECTIONS.

AREA INDICATED IS A RETURN AIR PLENUM. REFER TO SPECIFICATION 22 66 00 FOR ALLOWED ACID WASTE AND VENT MATERIAL.

COORDINATE LOCATION OF VALVES, AND ACCESS PANEL WITH OTHER TRADES PRIOR TO INSTALLATION. ALL VALVES SHALL BE FULL ACCESSIBLE FOR SERVICE AND MAINTENANCE.

TRANSITIONS FROM ACID WASTE PIPING TO STANDARD SANITARY PIPING FOR FUTURE CONNECTION TO NEUTRALIZING BASIN.

FLOOR HEIGHT IN THIS AREA BEING RAISED BY OTHERS. ROUTE NEW PIPING ABOVE EXISTING FLOOR PER UNDERGROUND PIPING

PROVIDE 18 GAUGE METAL ENCLOSURE TO CONCEAL PIPING.

ROUTE PIPING AS HIGH AS POSSIBLE BETWEEN JOISTS. COORDINATE PIPING ROUTE WITH STRUCTURAL.

SUMP PUMP BASIN IS WRAPPED WITH A STRUCTURAL STEEL SLEEVE. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL PIPE PENETRATION THROUGH THE SLEEVE. COORDINATE INSTALLATION WITH ALL OTHER TRADES.

PROVIDE RPZ WITH 3/4" THREADED CONNECTIONS.  
COORDINATE EXACT LOCATION OF RPZ WITH  
OWNER PRIOR TO INSTALLTION.

F1 SECOND FLOOR PLUMBING PLAN - AREA 'C'  
1/8" = 1'-0"

$$1/8'' = 1'-0''$$

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

7001 Harriet Avenue  
Richfield, Minnesota 55423

7001 Harriet Avenue  
Richfield, Minnesota 55423



32 Minnesota Street, Suite W2000  
Saint Paul, MN 55101

woldae.com | 651 227 7773

**1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.**

2. ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.

**3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.**

**4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.**

**5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.**

6. INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.

**7. THE MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING CEILING TILES AND GRIDS AS REQUIRED FOR INSTALLATION OF NEWWORK. ANY**

REQUIRED FOR INSTALLATION OF NEW WORK. ANY  
DAMAGED TILES AND OR GRIDS SHALL BE  
REPLACED WITH NEW TO MATCH AT THE  
CONTRACTORS EXPENSE

8. REFER TO PLUMBING RISER DIAGRAMS FOR  
ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.

9. PROVIDE AND INSTALL ALL LOW VOLTAGE WIRING TO ELECTRONIC PLUMBING FIXTURES IN A CONTINUOUS RACEWAY SYSTEM TO CONFORM TO ALL DIVISION 26 REQUIREMENTS. WORK TO INCLUDE

TRANSFORMERS AS NECESSARY FOR THE  
CONNECTED QUANTITY OF FIXTURES, WIRING,  
CONDUIT, JUNCTION BOXES, AND FINAL  
CONNECTIONS. THE ELECTRICAL CONTRACTOR

WILL PROVIDE 120/1 VOLT POWER AND CONNECTIONS TO LINE VOLTAGE SIDE OF THE TRANSFORMER. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

10. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED REINFORCEMENT OF NEW AND EXISTING STRUCTURAL MEMBERS FOR MECHANICAL SYSTEMS. REFER TO "MECHANICAL SUPPORT REINFORCEMENT DETAIL" FOR ADDITIONAL REQUIREMENTS.

11. REFER TO THE ARCHITECTURAL PHASING PLAN FOR PHASING AND SEQUENCE REQUIREMENTS. COORDINATE WORK TO MINIMIZE SYSTEM SHUT DOWNS AND TO KEEP SYSTEMS SERVING OCCUPIED AREAS ACTIVE.

**PLUMBING PLAN KEYED NOTES:**

- 1 FLOOR CUTTING AND PATCHING IN AREA INDICATED BY OTHERS. COORDINATE EXTENTS REQUIRED WITH OTHER TRADES.
- 2 BALANCE AND INDICATE FLOW.
- 3 ROUTE ACASE WASTE/VALE VENT AND DOMESTIC COLD/HOT/CIRCULATING HOT WATER BEHIND CASEWORK/REFER TO ARCHITECTURAL PLANS FOR CASEWORK DETAILS.
- 4 ROUTE ACASE WASTE AND DOMESTIC COLD/HOT WATER BEHIND THE CASEWORK WITH IN THE FURDRA WALL.
- 5 PROVIDE WASTE AND WATER CONNECTIONS TO FUMEHOOD. THE FUMEHOOD FIXTURES ARE PROVIDED BY THE FUMEHOOD MANUFACTURER. PROVIDE THE LOOSEST FITTING COMPONENTS AND FUEL ASSEMBLY IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND GUIDELINES. PROVIDE WATER STOPS, SUPPLIES, AND DRAIN TRAPS AS NECESSARY FOR FINAL CONNECTIONS.
- 6 AREA INDICATED IS A RETURN AIR PLENUM. REFER TO SCHEDULE 22 FOR THE ALLOWED AREA FOR WASTE AND VENT MATERIAL.
- 7 COORDINATE LOCATION OF VALVES, AND ACCESS PANELS WITH OTHER TRADES. ALL VALVES SHALL BE FULL ACCESSIBLE FOR SERVICE AND MAINTENANCE.
- 8 TRANSITIONS FROM ACASE WASTE PIPING TO STANDARD SANITARY PIPING FOR FUTURE CONNECTION TO NEUTRALIZING BASIN.
- 9 FLOOR HIGHT IN THIS AREA BEING RAISED BY OTHER TRADES. PROVIDE EXISTING FLOOR PER UNDERGROUND PIPING WORK WITH ALL OTHER TRADES.
- 10 PROVIDE 16 GAUGE METAL ENCLOSURE TO CONCEAL PIPING.
- 11 ROUTE PIPING AS HIGH AS POSSIBLE BETWEEN JOISTS. COORDINATE PIPING ROUTE WITH STRUCTURAL.
- 12 SUMP PUMP BASIN IS WRAPPED WITH A STRUCTURAL STEEL BELIEF. MECHANICAL INSULATION TO PROVIDE PROTECT ALL PIPE PENETRATION THROUGH THE SLEEVE. COORDINATE INSTALLATION WITH ALL OTHER TRADES.
- 13 PROVIDE RP2 WITH 3/4" THREADED CONNECTIONS. PROVIDE EXACT LOCATION FOR RP2 WITH OWNER PRIOR TO INSTALLATION.

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  
MINNESOTA

of the State of MINNESOTA

Lucius Marshall

License **KEVIN MARSHALL**


Number: 23989 Date 1/22/2019

[illegible]Comm: 172297

Date: 1/22/2019

Drawn: **NRN**

Check: **JC**



North

### THIRD FLOOR PLUMBING PLAN - AREA 'C'

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

# M1.03c

**MN**

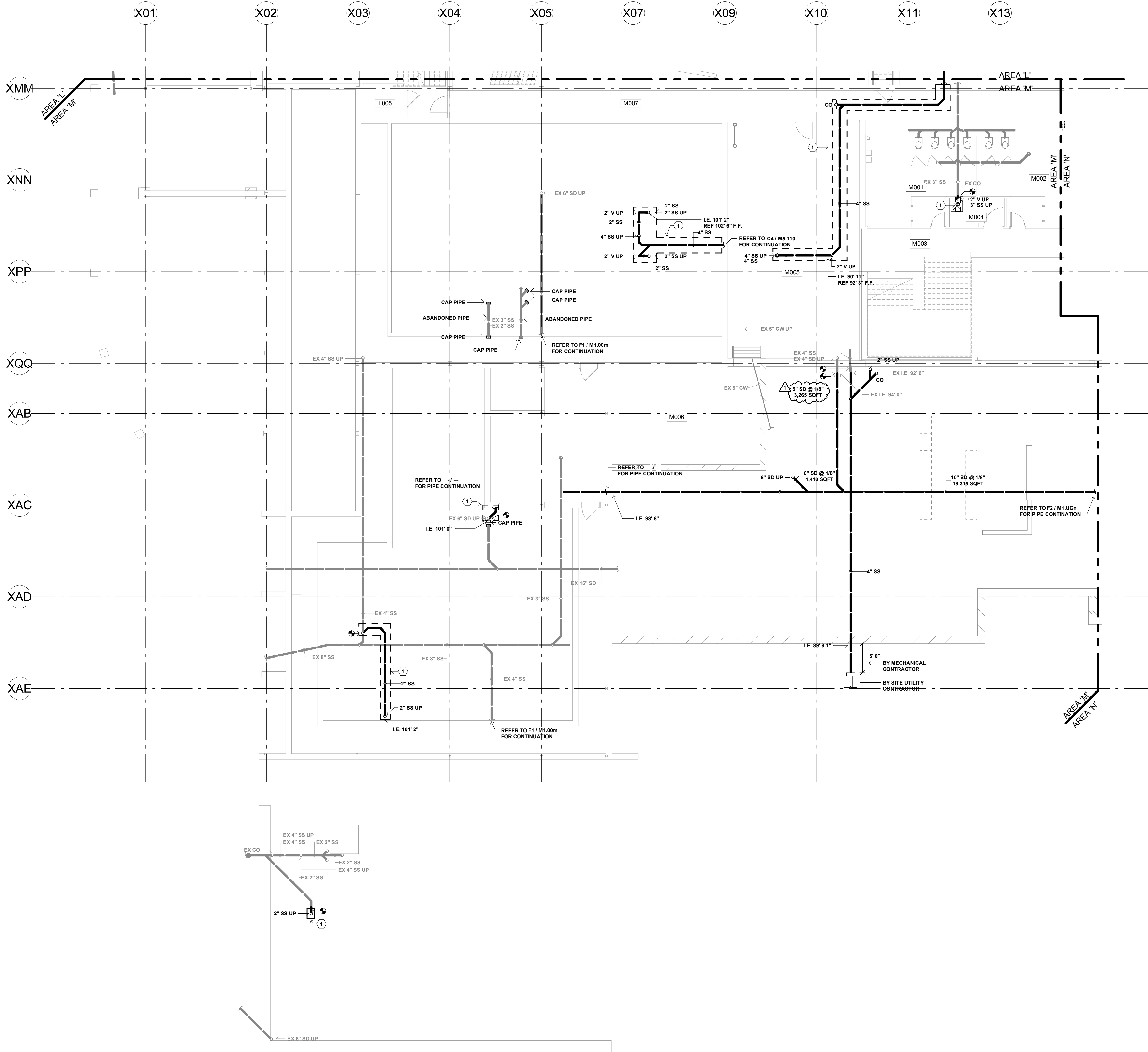
F1 THIRD FLOOR PLUMBING PLAN - AREA 'C'  
1/8" = 1'-0"

$$1/8'' = 1'-0''$$

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



MN



F1 UNDERGROUND PLUMBING PLAN - AREA 'M'  
1/8" = 1'-0"

PLUMBING PLAN GENERAL NOTES:

1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.
2. ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.
6. INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.
7. THE MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING CEILING TILES AND GRIDS AS REQUIRED FOR INSTALLATION OF NEW WORK. ANY DAMAGED TILES AND OR GRIDS SHALL BE REPLACED WITH NEW TO MATCH AT THE CONTRACTORS EXPENSE.
8. REFER TO PLUMBING RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.
9. PROVIDE AND INSTALL ALL LOW VOLTAGE WIRING TO ELECTRONIC PLUMBING FIXTURES IN A CONTINUOUS RACEWAY SYSTEM TO CONFORM TO ALL DIVISION 26 REQUIREMENTS. WORK TO INCLUDE TRANSFORMERS AS NECESSARY FOR THE CONNECTED QUANTITY OF FIXTURES, WIRING, CONDUIT, JUNCTION BOXES, AND FINAL CONNECTIONS. THE ELECTRICAL CONTRACTOR WILL PROVIDE 120V/1 VOLT POWER AND CONNECTIONS TO LINE VOLTAGE SIDE OF THE TRANSFORMER. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
10. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED REINFORCEMENT OF NEW AND EXISTING STRUCTURAL MEMBERS FOR MECHANICAL SYSTEMS. REFER TO "MECHANICAL SUPPORT REINFORCEMENT DETAIL" FOR ADDITIONAL REQUIREMENTS.
11. REFER TO THE ARCHITECTURAL PHASING PLAN FOR PHASING AND SEQUENCE REQUIREMENTS. COORDINATE WORK TO MINIMIZE SYSTEM SHUT DOWNS AND TO KEEP SYSTEMS SERVING OCCUPIED AREAS ACTIVE.

PLUMBING PLAN KEYED NOTES:

- 1 FLOOR CUTTING AND PATCHING IN AREA INDICATED BY OTHERS. COORDINATE EXTENTS REQUIRED WITH OTHER TRADES.
- 2 BALANCE TO INDICATED GPM.
- 3 ROUTE ACID WASTE/ACID VENT AND DOMESTIC COLD/HOT/CIRCULATING HOT WATER BEHIND CASEWORK. REFER TO ARCHITECTURAL PLANS FOR CASEWORK DETAILS.
- 4 ROUTE ACID WASTE AND DOMESTIC COLD/HOT WATER BEHIND THE CASEWORK WITH IN THE FURRED WALL.
- 5 PROVIDE WASTE AND WATER CONNECTIONS TO FUMEHOOD. THE FUMEHOOD FIXTURES ARE PROVIDED BY THE FUMEHOOD MANUFACTURER. RECEIVE ALL LOOSE SHIPPED COMPONENTS AND FIELD ASSEMBLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND GUIDELINES. PROVIDE WATER STOPS, SUPPLIES, AND ACID WASTE TRAPS AS NECESSARY FOR FINAL CONNECTIONS.
- 6 AREA INDICATED IS A RETURN AIR PLENUM. REFER TO SPECIFICATION 22 66 00 FOR ALLOWED ACID WASTE AND VENT MATERIAL.
- 7 COORDINATE LOCATION OF VALVES, AND ACCESS PANEL WITH OTHER TRADES PRIOR TO INSTALLATION. ALL VALVES SHALL BE FULL ACCESSIBLE FOR SERVICE AND MAINTANCE.
- 8 TRANSITIONS FROM ACID WASTE PIPING TO STANDARD SANITARY PIPING FOR FUTURE CONNECTION TO NEUTRALIZING BASIN.
- 9 FLOOR HEIGHT IN THIS AREA BEING RAISED BY OTHERS. ROUTE NEW PIPING ABOVE EXISTING FLOOR PER UNDERGROUND PIPING SPECIFICATIONS AND COORDINATE WORK WITH ALL OTHER TRADES.
- 10 PROVIDE 18 GAUGE METAL ENCLOSURE TO CONCEAL PIPING.
- 11 ROUTE PIPING AS HIGH AS POSSIBLE BETWEEN JOISTS. COORDINATE PIPING ROUTE WITH STRUCTURAL.
- 12 SUMP PUMP BASIN IS WRAPPED WITH A STRUCTURAL STEEL SLEEVE. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL PIPE PENETRATION THROUGH THE SLEEVE. COORDINATE INSTALLATION WITH ALL OTHER TRADES.
- 13 PROVIDE RPZ WITH 3/4" THREADED CONNECTIONS. COORDINATE EXACT LOCATION OF RPZ WITH OWNER PRIOR TO INSTALLTION.

Richfield High School Additions and Renovations

7001 Harriet Avenue  
Richfield, Minnesota 55423

Independent School District #280

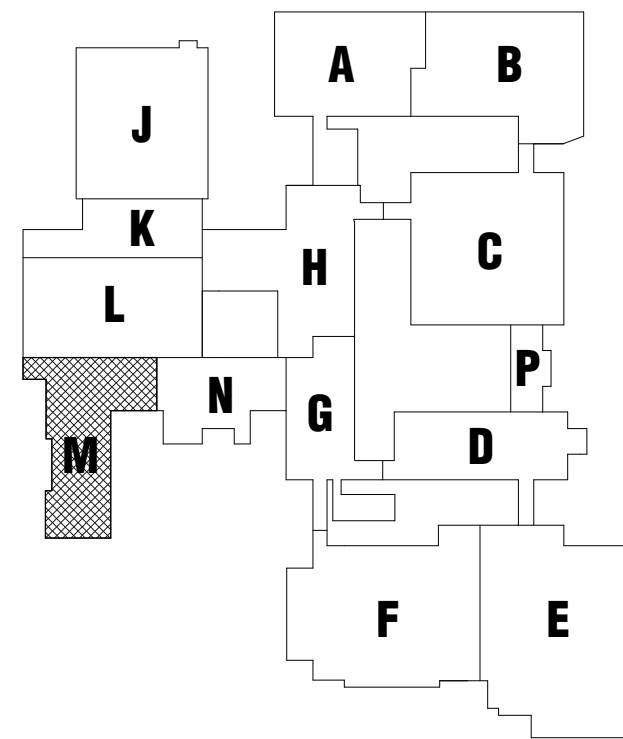
7001 Harriet Avenue  
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KEY PLAN

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

Signature: Kevin Marshall

License Number: 23989 Date: 1/22/2019

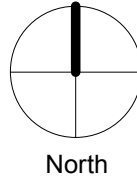
Description	Revisions	
	Date	Num
PR #001	04/30/2019	1

Comm: 172297

Date: 1/22/2019

Drawn: NRN

Check: JC



UNDERGROUND PLUMBING PLAN - AREA 'M'

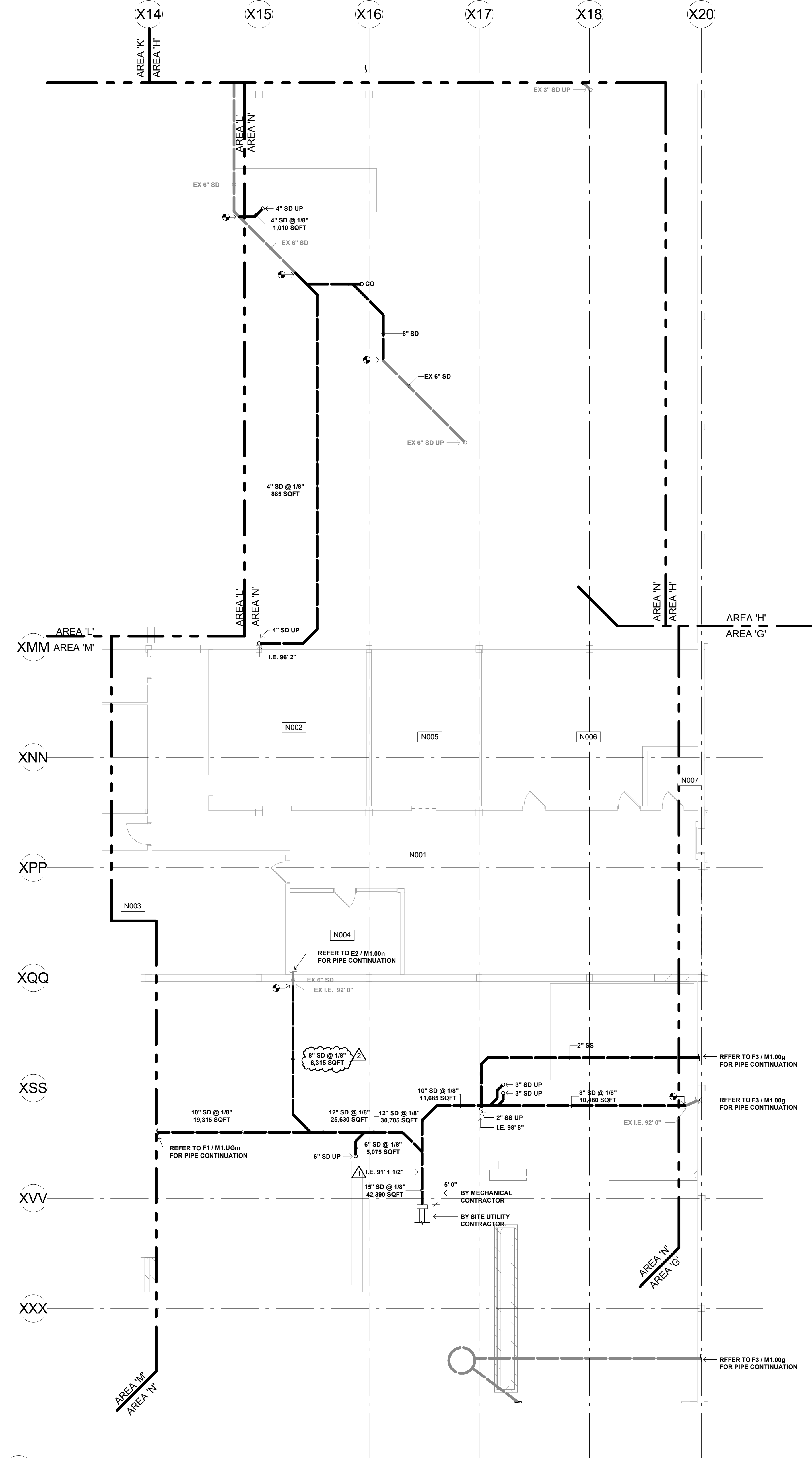
Scale: 1/8" = 1'-0"

M1.UGm

MN

M

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- PLUMBING PLAN GENERAL NOTES:
1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.
  2. ALL RISERS AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
  3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
  4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
  5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.
  6. INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.
  7. THE MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING CEILING TILES AND GRIDS AS REQUIRED FOR INSTALLATION OF NEW WORK. ANY DAMAGED TILES AND OR GRIDS SHALL BE REPLACED WITH NEW TO MATCH AT THE CONTRACTORS EXPENSE.
  8. REFER TO PLUMBING RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.
  9. PROVIDE AND INSTALL ALL LOW VOLTAGE WIRING TO ELECTRONIC PLUMBING FIXTURES IN A CONTINUOUS RACEWAY SYSTEM TO CONFORM TO ALL DIVISION 26 REQUIREMENTS. WORK TO INCLUDE TRANSFORMERS AS NECESSARY FOR THE CONNECTED QUANTITY OF FIXTURES, WIRING, CONDUIT, JUNCTION BOXES, AND FINAL CONNECTIONS. THE ELECTRICAL CONTRACTOR WILL PROVIDE 120V VOLT POWER AND CONNECTIONS TO LINE VOLTAGE SIDE OF THE TRANSFORMER. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
  10. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED REINFORCEMENT OF NEW AND EXISTING STRUCTURAL MEMBERS FOR MECHANICAL SYSTEMS. REFER TO "MECHANICAL SUPPORT REINFORCEMENT DETAIL" FOR ADDITIONAL REQUIREMENTS.
  11. REFER TO THE ARCHITECTURAL PHASING PLAN FOR PHASING AND SEQUENCE REQUIREMENTS. COORDINATE WORK TO MINIMIZE SYSTEM SHUT DOWNS AND TO KEEP SYSTEMS SERVING OCCUPIED AREAS ACTIVE.

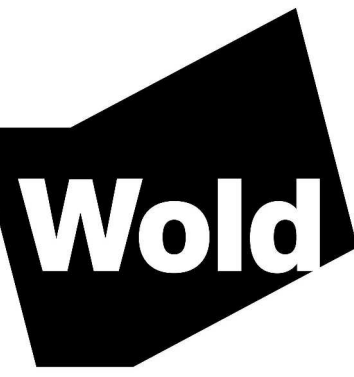
- PLUMBING PLAN KEYED NOTES:
1. FLOOR CUTTING AND PATCHING IN AREA INDICATED BY OTHERS. COORDINATE EXTENTS REQUIRED WITH OTHER TRADES.
  2. BALANCE TO INDICATED GPM.
  3. ROUTE ACID WASTE/ACID VENT AND DOMESTIC COLD/HOT/CIRCULATING HOT WATER BEHIND CASEWORK. REFER TO ARCHITECTURAL PLANS FOR CASEWORK DETAILS.
  4. ROUTE ACID WASTE AND DOMESTIC COLD/HOT WATER BEHIND THE CASEWORK WITH IN THE FURRED WALL.
  5. PROVIDE WASTE AND WATER CONNECTIONS TO FUMEHOOD. THE FUMEHOOD FIXTURES ARE PROVIDED BY THE FUMEHOOD MANUFACTURER. RECEIVE ALL LOOSE SUPPLIED COMPONENTS AND FIELD ASSEMBLY IN ACCORDENCE WITH MANUFACTURER'S INSTRUCTIONS AND GUIDELINES. PROVIDE WATER STOPS, SUPPLIES, AND ACID WASTE TRAPS AS NECESSARY FOR FINAL CONNECTIONS.
  6. AREA INDICATED IS A RETURN AIR PLENUM. REFER TO SPECIFICATION 22.66.00 FOR ALLOWED ACID WASTE AND VENT MATERIAL.
  7. COORDINATE LOCATION OF VALVES, AND ACCESS PANEL WITH OTHER TRADES PRIOR TO INSTALLATION. ALL VALVES SHALL BE FULL ACCESSIBLE FOR SERVICE AND MAINTENANCE.
  8. TRANSITIONS FROM ACID WASTE PIPING TO STANDARD SANITARY PIPING FOR FUTURE CONNECTION TO NEUTRALIZING BASIN.
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  10. PROVIDE 18 GAUGE METAL ENCLOSURE TO CONCEAL PIPING.
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## Richfield High School Additions and Renovations

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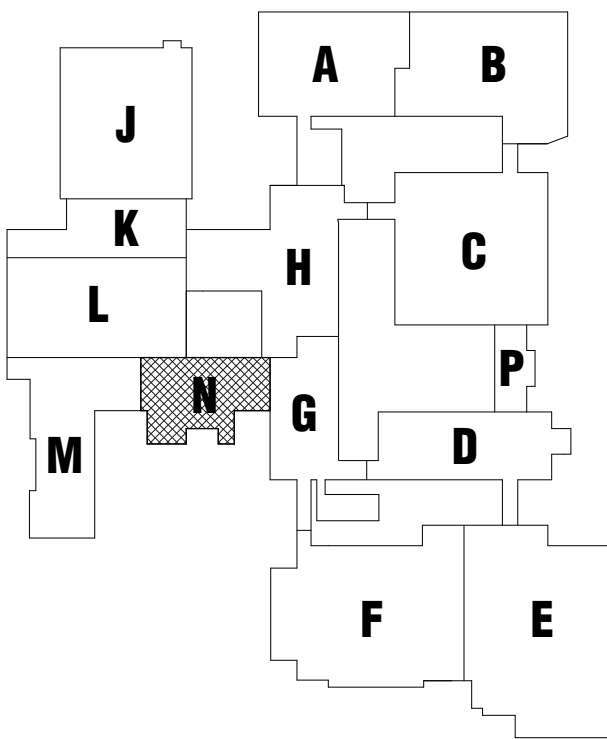
## Independent School District #280

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Richfield, Minnesota 55423



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Saint Paul, MN 55101

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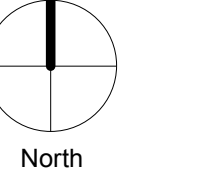
PROFESSIONAL ENGINEER  
MINNESOTA

under the laws of the State of Minnesota

License Number: **KEVIN MARSHALL**  
23989 Date: 1/22/2019

Description	Revisions	
	Date	Num
ADDENDUM #3	2/19/19	1
PR #001	04/30/2019	2

Comm: **172297**  
Date: **1/22/2019**  
Drawn: **NRN**  
Check: **JC**



## UNDERGROUND PLUMBING PLAN - AREA 'N'

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

# M1.UGn

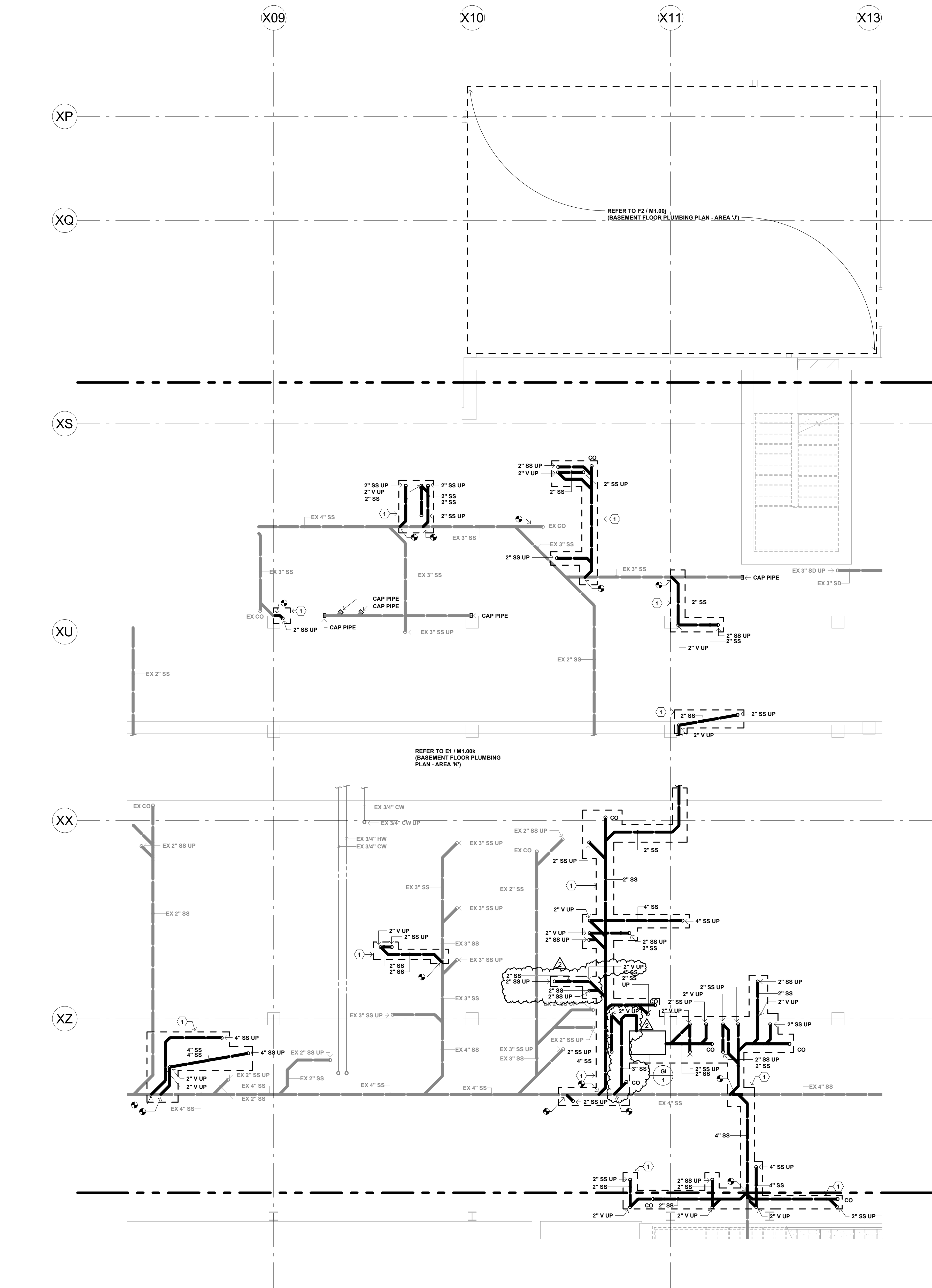
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**Independent School  
District #280**  
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**KITCHEN PLAN GENERAL NOTES:**

1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.

2. ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.

3. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURES WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM

4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.

6. DO NOT LOCATE GAS VALVE ABOVE CEILING.

8. ALL PLUMBING LINES SHALL BE ROUTED IN WALLS OR ABOVE CEILING UNLESS SPECIFIED. EXPOSED PIPES SHALL BE INSULATED AND COVERED WITH A SMOOTH PVC JACKET.

**KITCHEN PLAN KEYED NOTES:**

- 1 PROVIDE TELL-TAIL FLOOR DRAIN WITHOUT BACKWATER VALVE.
- 2 REUSE EXISTING PLUMBING FIXTURE AND CONNECT TO NEW PIPING. VERIFY EXISTING MOUNTING HEIGHTS AND CONNECTIONS PRIOR TO INSTALLATION
- 3 BALANCE TO INDICATED GPM.

## KEY PLAN

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me or under my direct supervision and that I am a duly Licensed  
**PROFESSIONAL ENGINEER**

**PROFESSIONAL ENGINEER**

under the laws of the State of **MINNESOTA**.

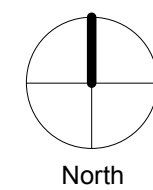
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Number: **23989** Date: **1/22/20**

[illegible]Comm: 172297

Date: 1/22/2019

Drawn: **NRN**

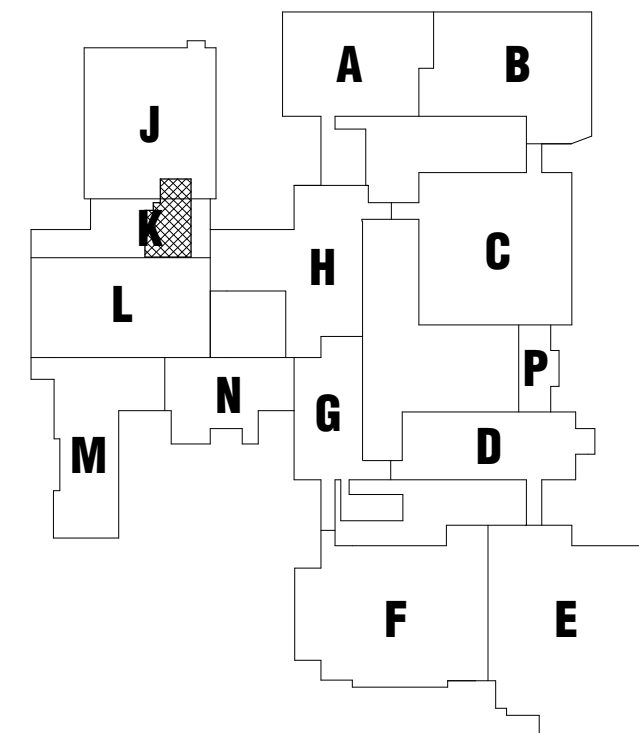
Check: IC



# MECHANICAL KITCHEN PLAN - UNDERGROUND - AREA 'K'

Scale: **As indicated**

# M5.201




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under the laws of the State of **MINNESOTA**

License  
Number: 23989 Date: 1/22/2019

[illegible]

Comm: **172297**  
Date: **1/22/2019**  
Drawn: **NRN**  
Check: **JC**

  
North

**MECHANICAL  
KITCHEN PLAN -  
FIRST FLOOR -  
AREA 'K'**

Scale: **As indicated**

## M5.202

**KITCHEN PLAN GENERAL NOTES:**

1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.

2. ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.

**3. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURES WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITH OUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.**

4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.

5. REFER TO PLUMBING RISERS DIAGRAMS FOR  
VERTICAL RISE DATA AND RISE/RAISE RATES

6. DO NOT LOCATE GAS VALVE ABOVE CEILING.

7. COORDINATE ALL FLOOR DRAIN LOCATIONS WITH

8. ALL PLUMBING LINES SHALL BE ROUTED IN WALLS OR ABOVE CEILING UNLESS SPECIFIED. EXPOSED PIPES SHALL BE INSULATED AND COVERED WITH A SMOOTH PVC JACKET.

**KITCHEN PLAN KEYED NOTES:**

- 1 PROVIDE TELL-TAIL FLOOR DRAIN WITHOUT BACKWATER VALVE.
- 2 REUSE EXISTING PLUMBING FIXTURE AND CONNECT TO NEW PIPING. VERIFY EXISTING MOUNTING HEIGHTS AND CONNECTIONS PRIOR TO INSTALLATION
- 3 BALANCE TO INDICATED GPM.

KITCHEN EQUIPMENT SCHEDULE								
UNIT NO.	DESCRIPTION	SERVICE						REMARKS
		WASTE	VENT	CW	HW	GAS	EXH. CFM	
3	SINGLE WIDE PROOF BOX	1/2"	-	1/2"	-	-	-	INDIRECT WASTE
5	WATER FILTER	-	-	3/4"	-	-	-	
7	FLOOR DRAIN	-	-	-	-	-	-	
8	SINGLE RACK OVEN	1/2"	-	1/2"	-	1"	690	MIXING VALVE PROVIDED BY MECHANICAL CONTRACTOR. PROVIDE MIXING VALVE PER SPECIFICATION SECTION 22 11 19. COORDINATE REQUIRED OUTLET TEMPERATURE WITH FSC. INDIRECT WASTE.
9	HOT WATER DISPENSER	3/4"	-	1/4"	-	-	-	
12	SELF COOKING CENTER	2"	-	3/4"	-	3/4"	-	
17	COFFEE MAKER	-	-	1/4"	-	-	-	INDIRECT WASTE
18	ICE MACHINE	1/2"	-	3/8"	-	-	-	
19	HAND SINK	1 1/2"	1 1/2"	1/2"	1/2"	-	-	
21	PREP COUNTER WITH SINK	2"	1 1/2"	1/2"	1/2"	-	-	INDIRECT WASTE
24	FOOD WASTE DISPOSER	2"	1 1/2"	-	-	-	-	
26	PRE-RINSE SPRAY UNIT	-	-	3/4"	1/2"	-	-	
38	WORK COUNTER WITH SINK	2"	1 1/2"	1/2"	1/2"	-	-	INDIRECT WASTE
43	COLD FOOD UNIT	3/4"	-	-	-	-	-	
44	HOT FOOD UNIT	3/4"	-	-	-	-	-	
46	COLD FOOD UNIT	3/4"	-	-	-	-	-	INDIRECT WASTE
52	WORK COUNTER WITH SINK	2"	1 1/2"	1/2"	1/2"	-	-	
57	COLD FOOD UNIT	3/4"	-	-	-	-	-	
64	COLD FOOD UNIT	3/4"	-	-	-	-	-	INDIRECT WASTE
65	WORK COUNTER WITH SINK	2"	1 1/2"	1/2"	1/2"	-	-	
68	HOT FOOD UNIT	3/4"	-	-	-	-	-	
72	THREE COMPARTMENT SINK	2"	2"	3/4"	3/4"	-	-	INDIRECT WASTE WASTE (1) THRU GREASE TRAP PER CODE.
76	HOSE REEL	-	-	1/2"	1/2"	-	-	
78	EXHAUST DUCT RISER	-	-	-	-	-	150 ea.	
79	DISHWASHER	3"	1 1/2"	1/2"	1/2"	-	-	VERIFY EXISTING CONNECTIONS PRIOR TO INSTALLATION
82	FLOOR DRAIN	-	-	-	-	-	-	
86	SWING DOWN EYE/FACE WASH	2"	1 1/2"	1/2"	1/2"	-	-	
91	WORKCOUNTER WITH SINK	2"	1 1/2"	1/2"	1/2"	-	-	INDIRECT WASTE
104	ITEMS, WASHING SINK	2"	1 1/2"	1/2"	1/2"	-	-	

**KITCHEN EQUIPMENT NOTES:**

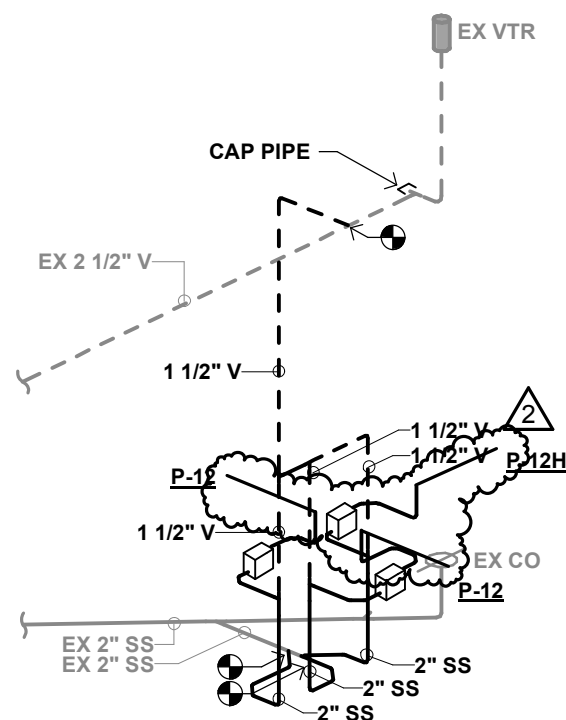
1. MECHANICAL CONTRACTOR SHALL PROVIDE ROUGH-IN AND FINAL CONNECTION FOR EQUIPMENT LISTED ABOVE.
2. MECHANICAL CONTRACTOR SHALL PROVIDE ARCHITECT EQUIPMENT SUPPLIER DRAWINGS FOR EXACT ROUGH-IN DIMENSIONS.
3. HOODS PROVIDED WITH HEATS INSTALLED AND PIPED. FIRE PROTECTION SPRINKLER CONTRACTOR TO MAKE CONNECTION TO HOODS AND INSTALL FLOW SWITCH. MECHANICAL CONTRACTOR TO INSTALL SOLENOID GAS SHUT-OFF VALVE WHERE INDICATED ON PLAN. FIRE PROTECTION SPRINKLER CONTRACTOR TO PROVIDE ALL GAS SHUT-OFF VALVES.
4. PROVIDE ALL INDIRECT WASTE LINES WITH A TRAP AND AIR GAP AT FLOOR DRAIN. AIR GAP TO BE A MINIMUM OF 2" DIA. OF WASTE.
5. MECHANICAL CONTRACTOR TO PROVIDE EQUIPMENT SUPPLIER AND INSTALL BY MECHANICAL CONTRACTOR.
6. ALL WATER LINES TO BE VALUED AT ROUGH-IN LOCATIONS TO EQUIPMENT.
7. MECHANICAL CONTRACTOR TO MAKE ADJUSTMENTS TO ROUGH-IN LOCATIONS DUE TO BEAMS ETC. AS REQUIRED.
8. ALL DISCHARGES TO PROVIDE WATER HAMMER ARRESTORS AND AIR GAPS. ALL SOLNOD VALVES, DISHWASHER, DISPOSER, ICE MACHINES AND STEWERS.
9. MECHANICAL CONTRACTOR SHALL PROVIDE AUTOMATIC MOTORIZED GAS SHUT-OFF VALVE FOR FIRE SUPPRESSION SYSTEM. MECHANICAL CONTRACTOR TO INSTALL SHUT-OFF VALVE, WIRING BY ELECTRICAL CONTRACTOR.
10. ALL VACUUM BREAKERS SHALL BE SPILL RESISTANT PRESSURE-TYPE.
11. MECHANICAL CONTRACTOR TO PROVIDE BALL VALVE SHUT-OFF VALVES ON INDIRECT LINES AS REQUIRED.
12. MECHANICAL CONTRACTOR TO PROVIDE CHECK VALVES ON HOT AND COLD SUPPLY TO MIXING VALVES WHEN EQUIPMENT SUPPLIED BY KITCHEN CONTRACTOR DOES NOT HAVE THEM.
13. REFRIGERATION SYSTEM INCLUDING SUCTION AND LIQUID LINE TO BE PROVIDED AND INSTALLED BY FSEC.
14. ALL REFRIGERATION SYSTEMS SHALL BE PROVIDED WITH ALL NECESSARY SAFETY DEVICES. EQUIPMENT IF INSTALLED SHALL BE PROVIDED WITH ALL NECESSARY SAFETY DEVICES.
15. AHEAD OF EQUIPMENT INSTALLED AHEAD OF EQUIPMENT CONTROL VALVE, UNLESS OTHERWISE SPECIFIED.

F4 MECHANICAL KITCHEN PLAN - FIRST FLOOR - AREA 'K'  
1/4" = 1'-0"

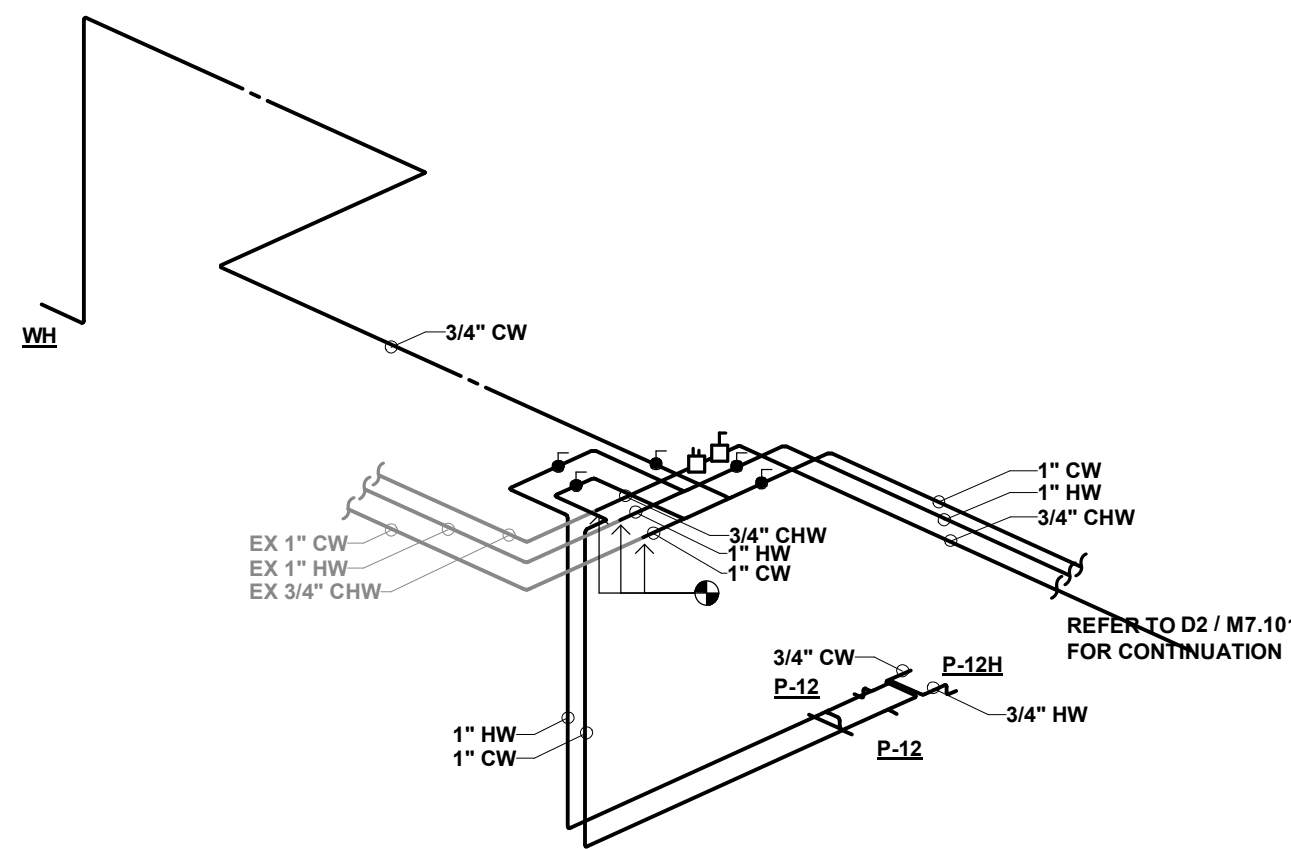
$$1/4'' = 1'-0''$$



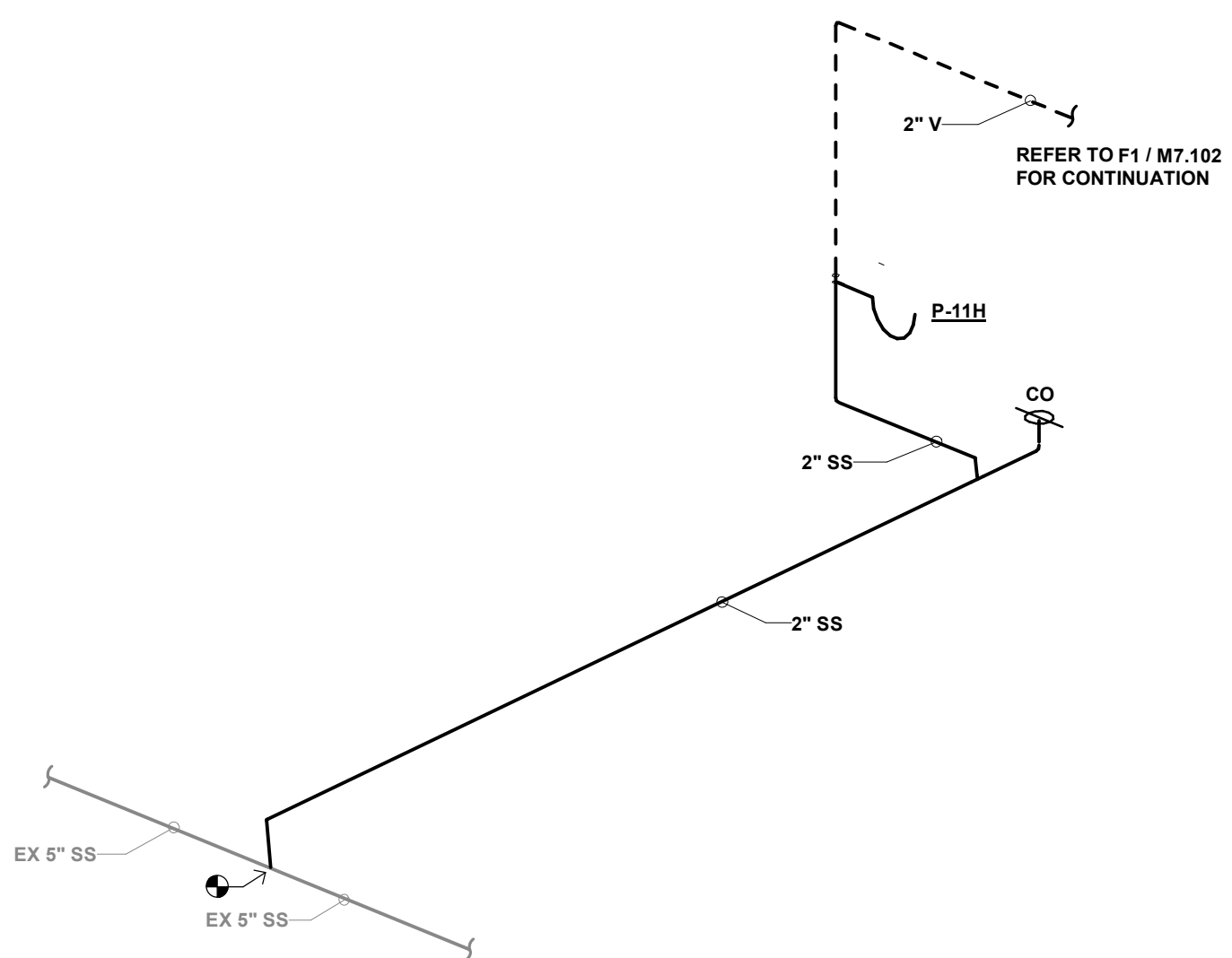
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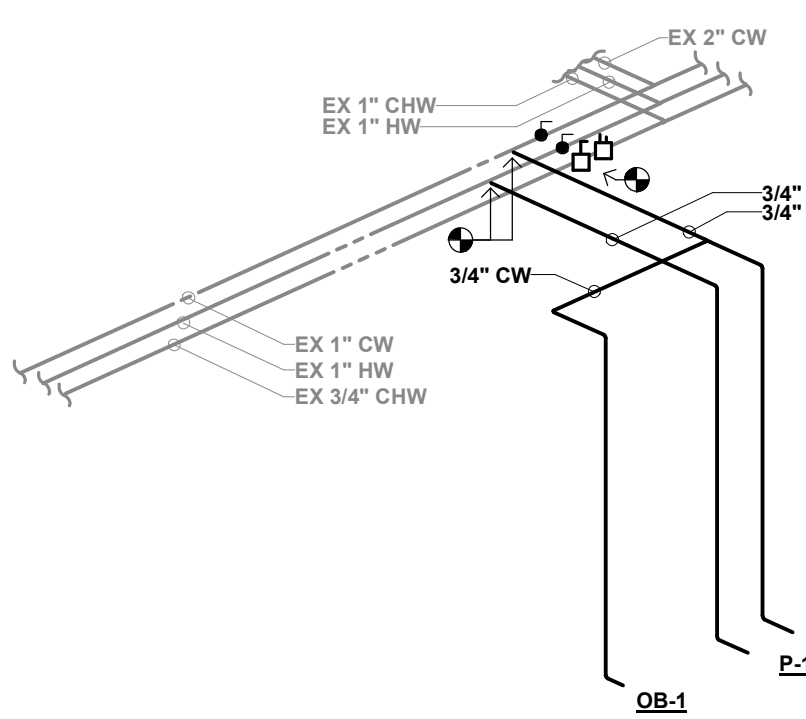
B1 WASTE AND VENT RISER DIAGRAM - ROOM A105  
NOT TO SCALE



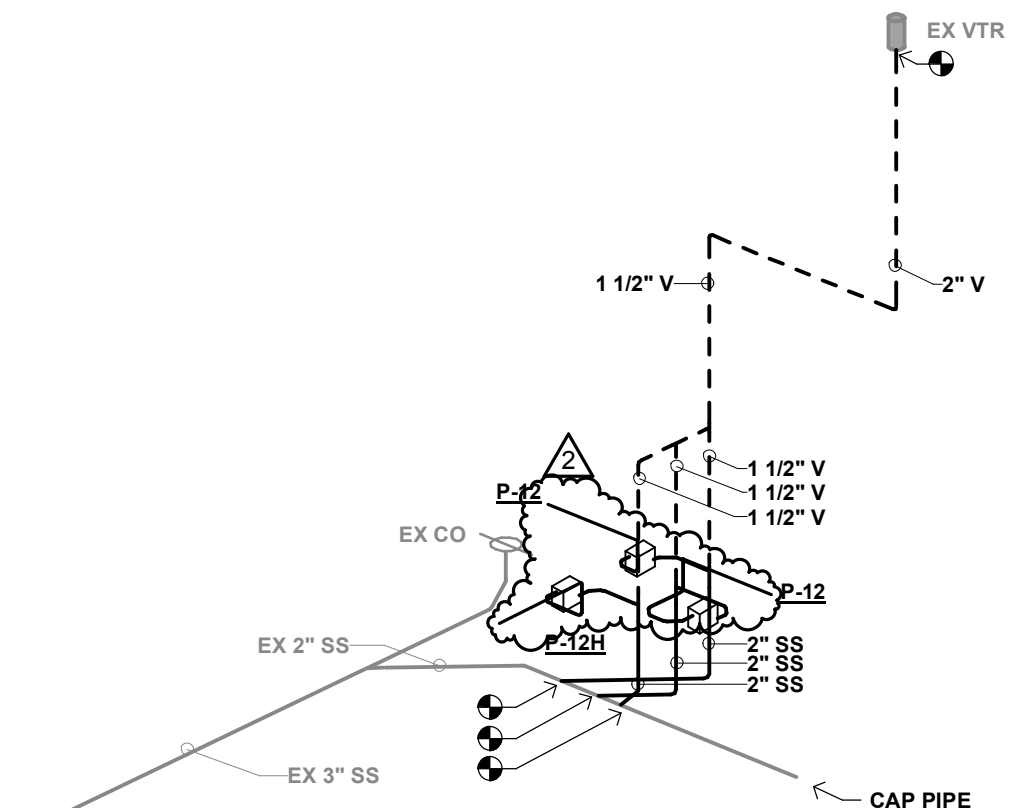
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NOT TO SCALE



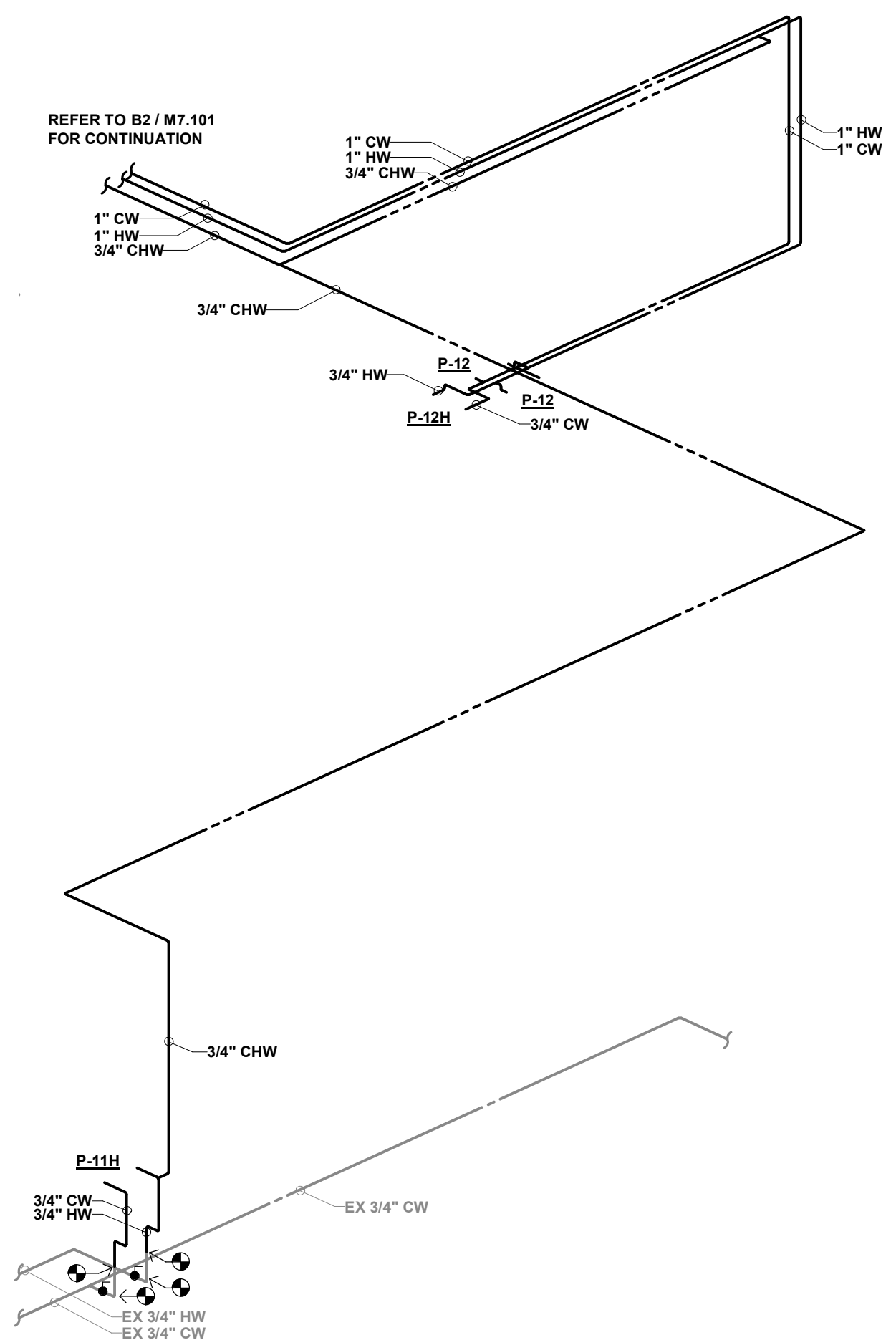
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NOT TO SCALE



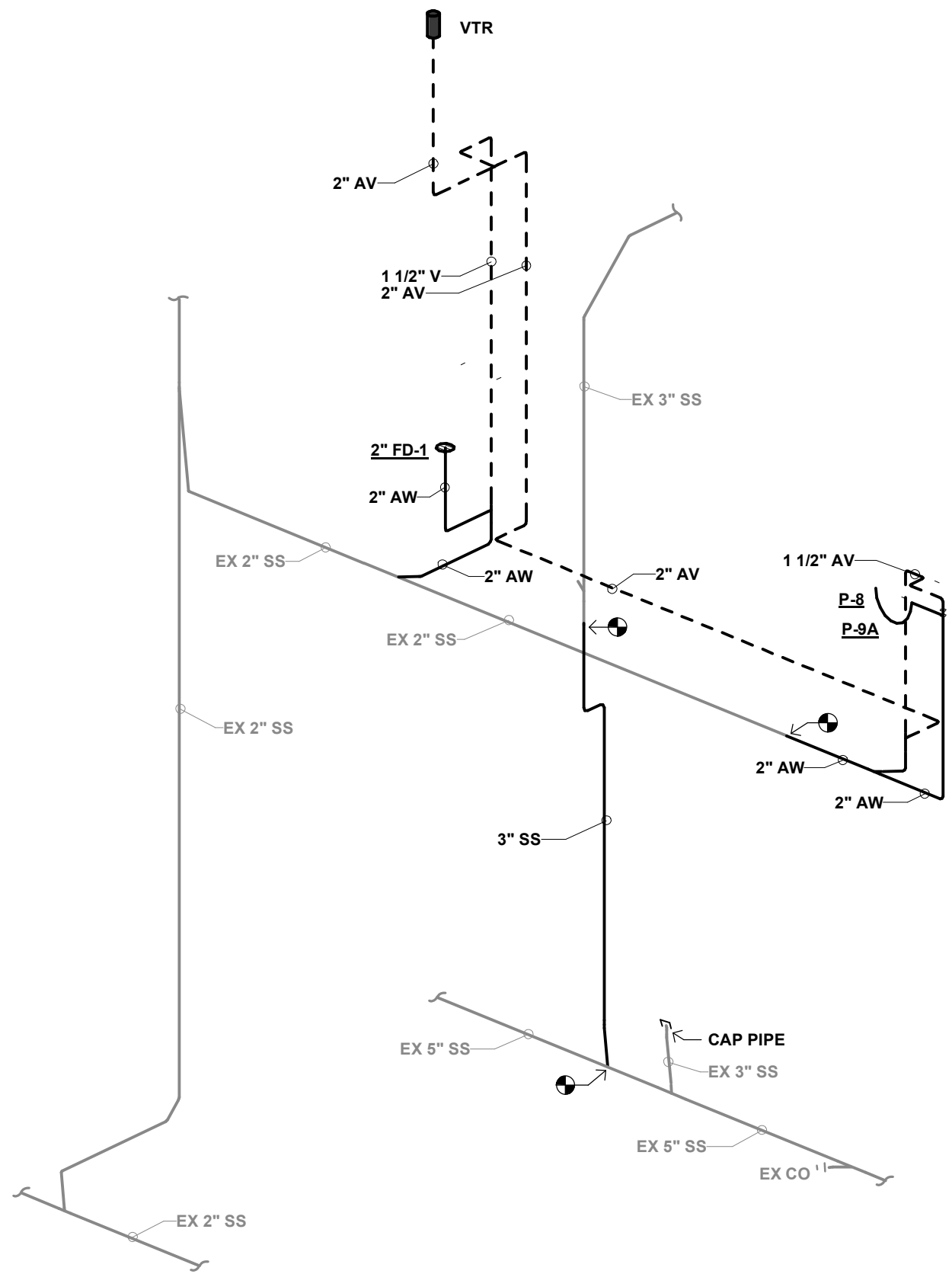
B6 SUPPLY RISER DIAGRAM - ROOM C126  
NOT TO SCALE



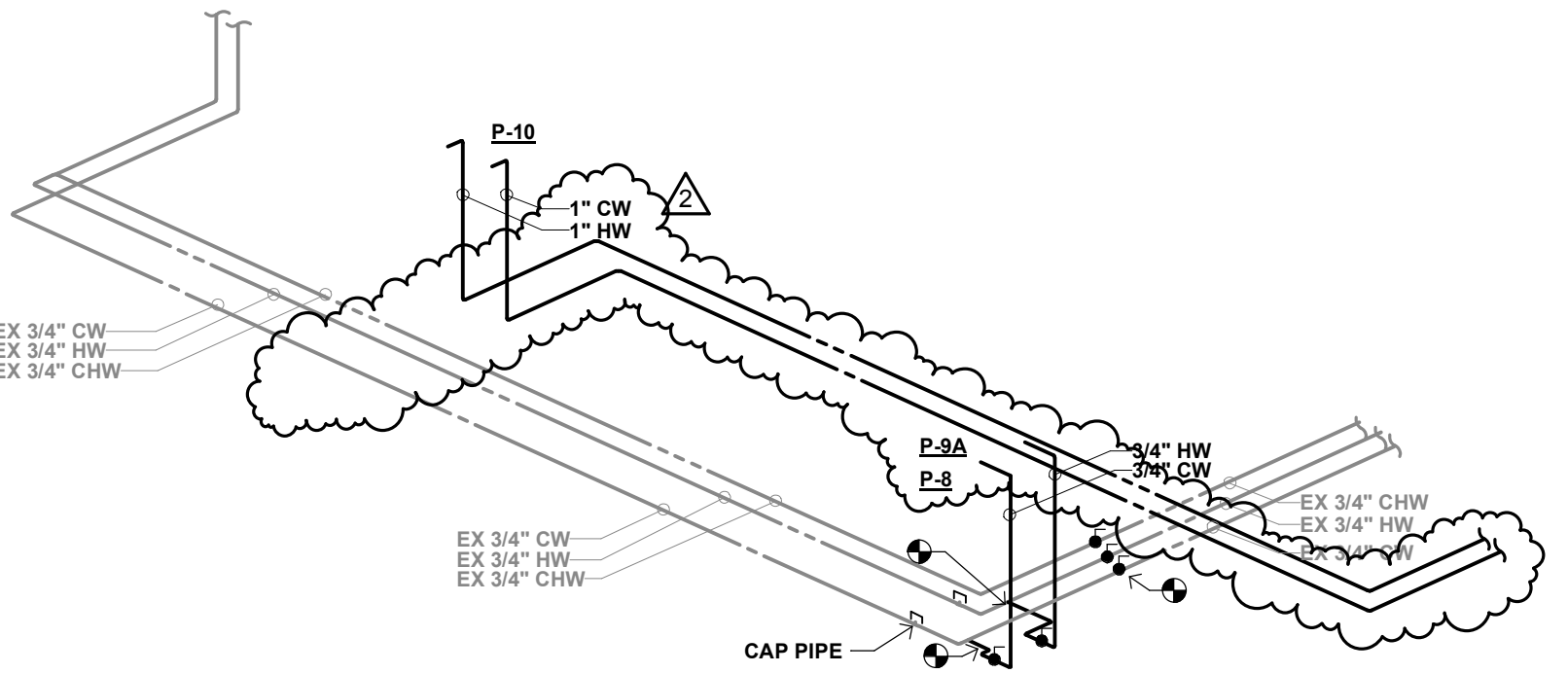
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NOT TO SCALE



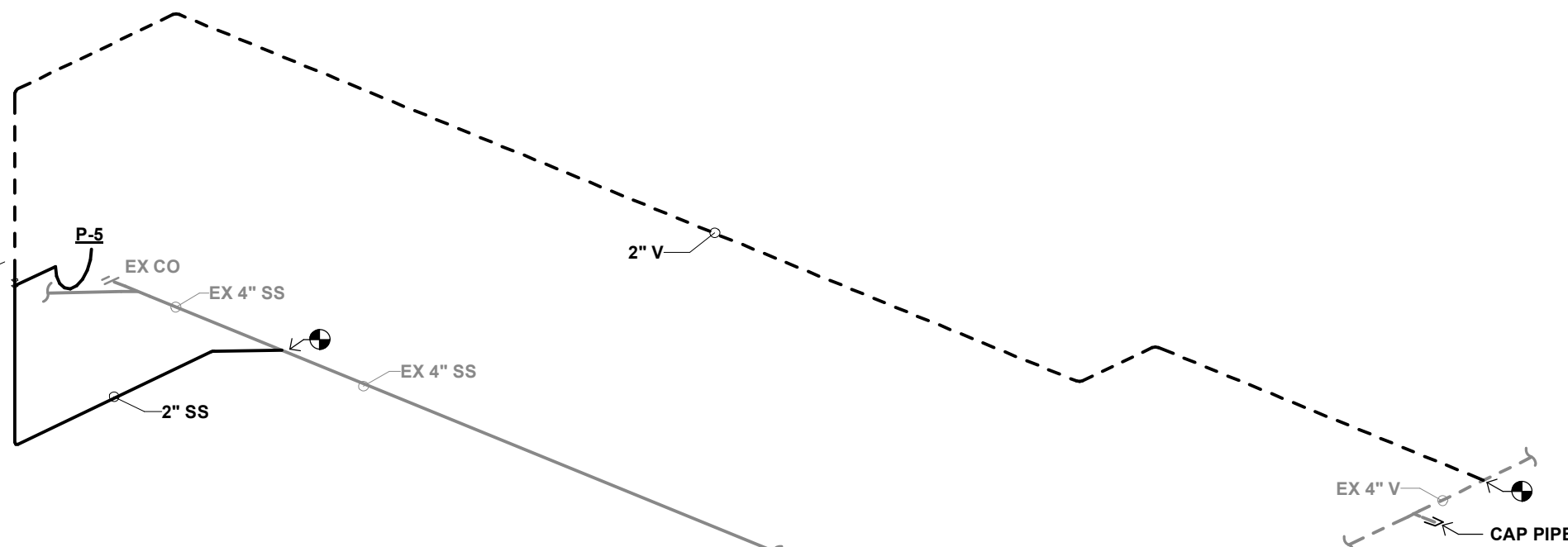
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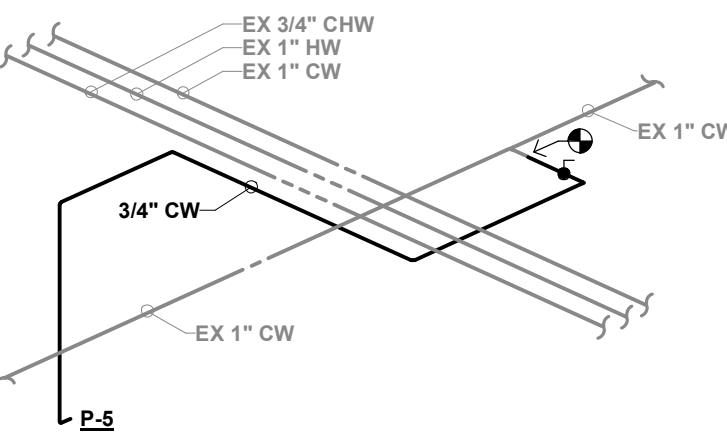
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NOT TO SCALE



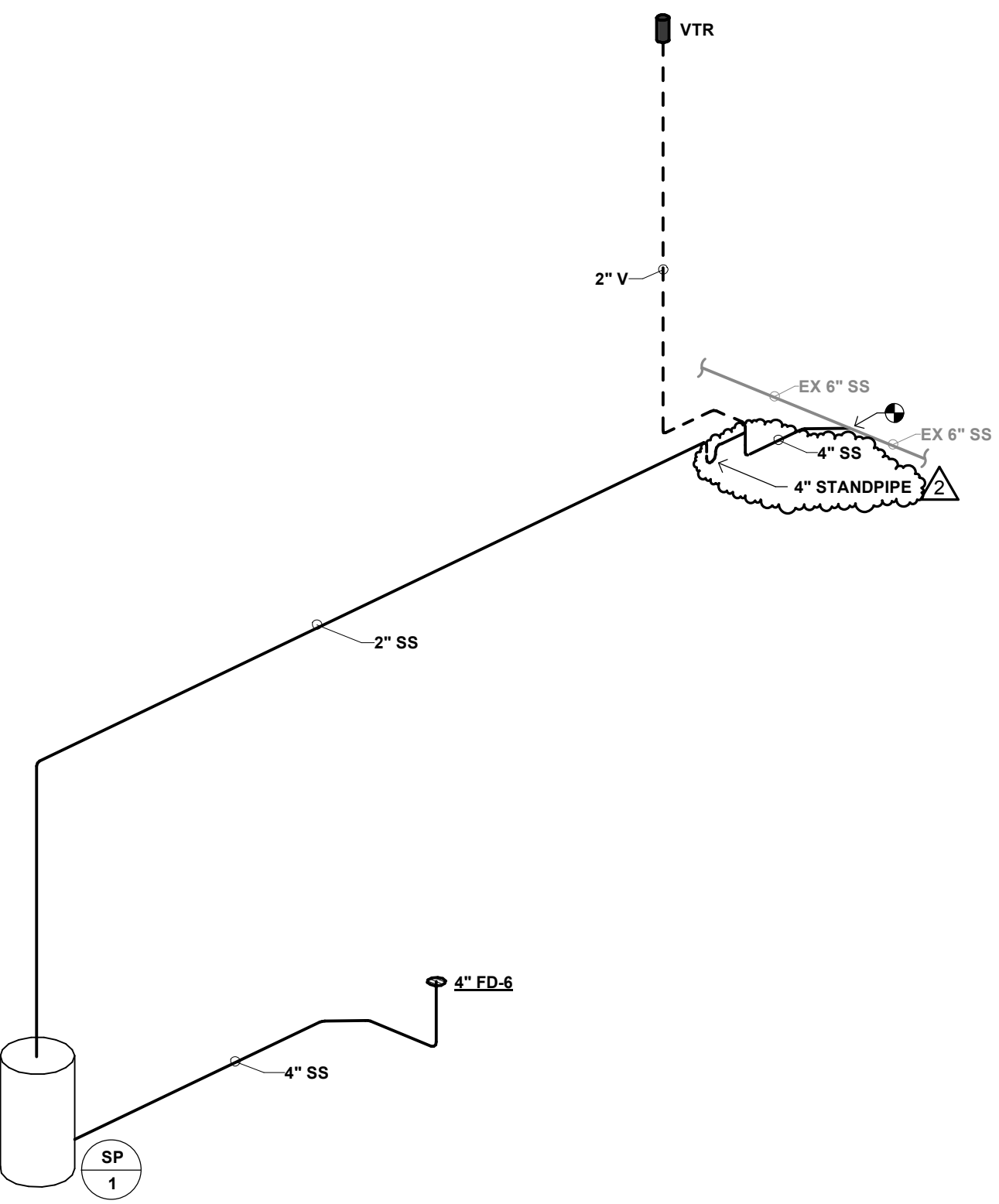
D6 WASTE AND VENT RISER DIAGRAM - ROOM C310  
NOT TO SCALE



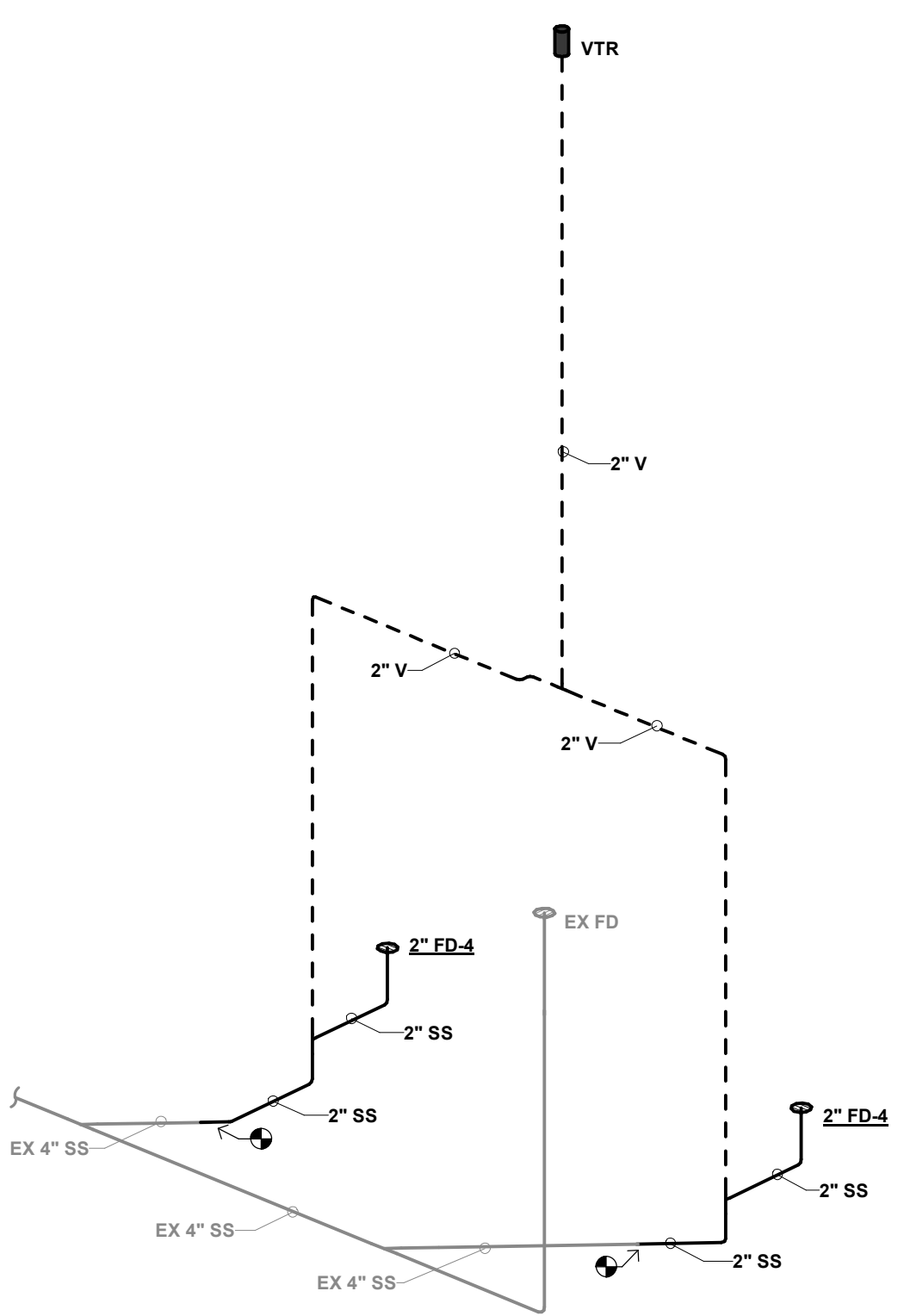
E2 WASTE AND VENT RISER DIAGRAM - ROOM F021  
NOT TO SCALE



F2 SUPPLY RISER DIAGRAM - ROOM F021  
NOT TO SCALE



F4 WASTE AND VENT RISER DIAGRAM - AREA 'F' ELEVATOR PIT  
NOT TO SCALE



F6 WASTE AND VENT RISER DIAGRAM - BOILER ROOM  
NOT TO SCALE

**Richfield High School Additions and Renovations**  
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**Independent School District #280**  
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License Number: **KEVIN MARSHALL 23989** Date: **1/22/2019**

Description	Revisions	Date	Num
ADDENDUM #2		2/12/19	1
PR #001		04/30/2019	2

Comm: **172297**  
Date: **1/22/2019**  
Drawn: **NRB**  
Check: **JC**

North

**PLUMBING RISER DIAGRAMS**

Scale:

**M7.101**

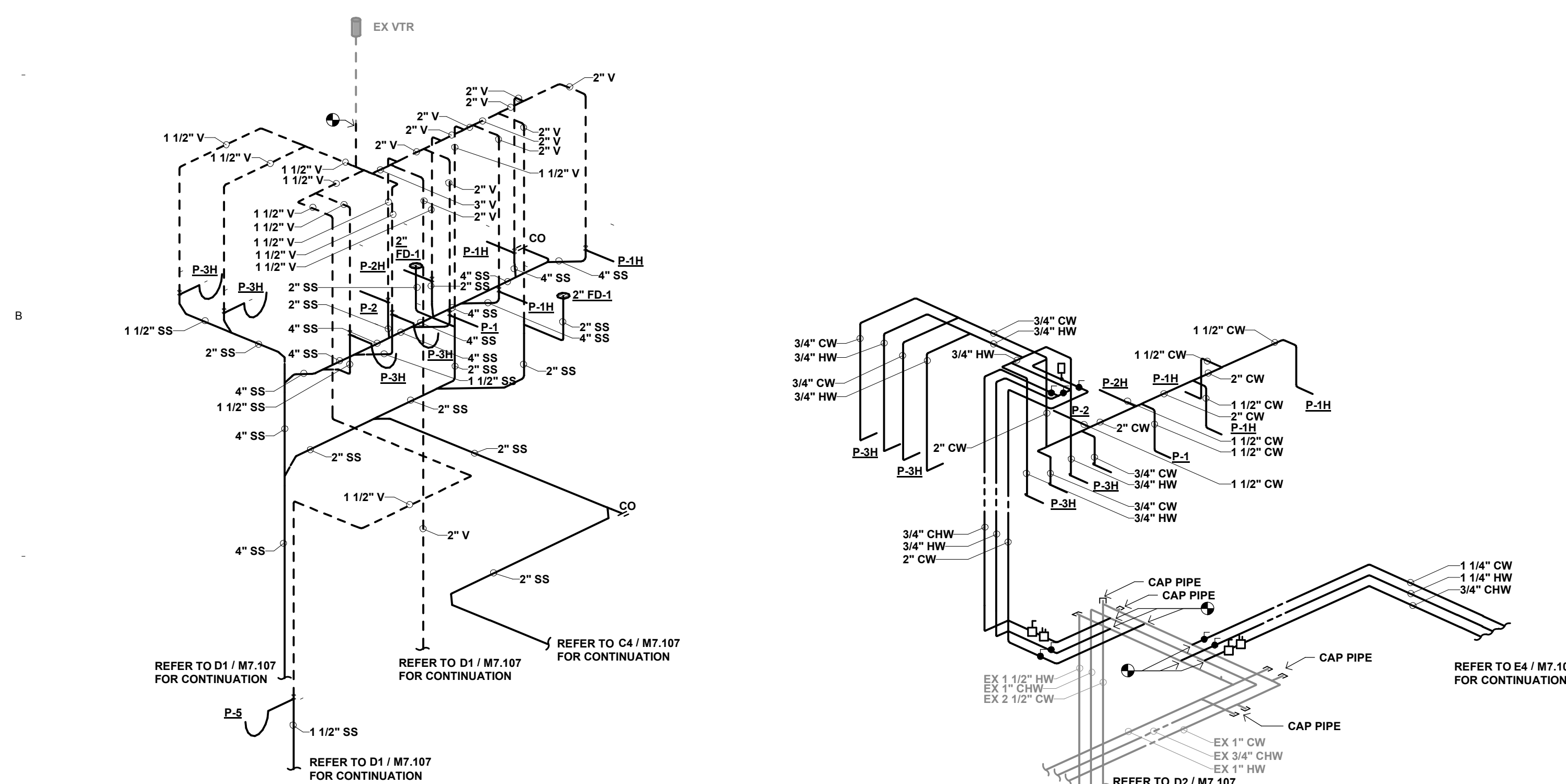




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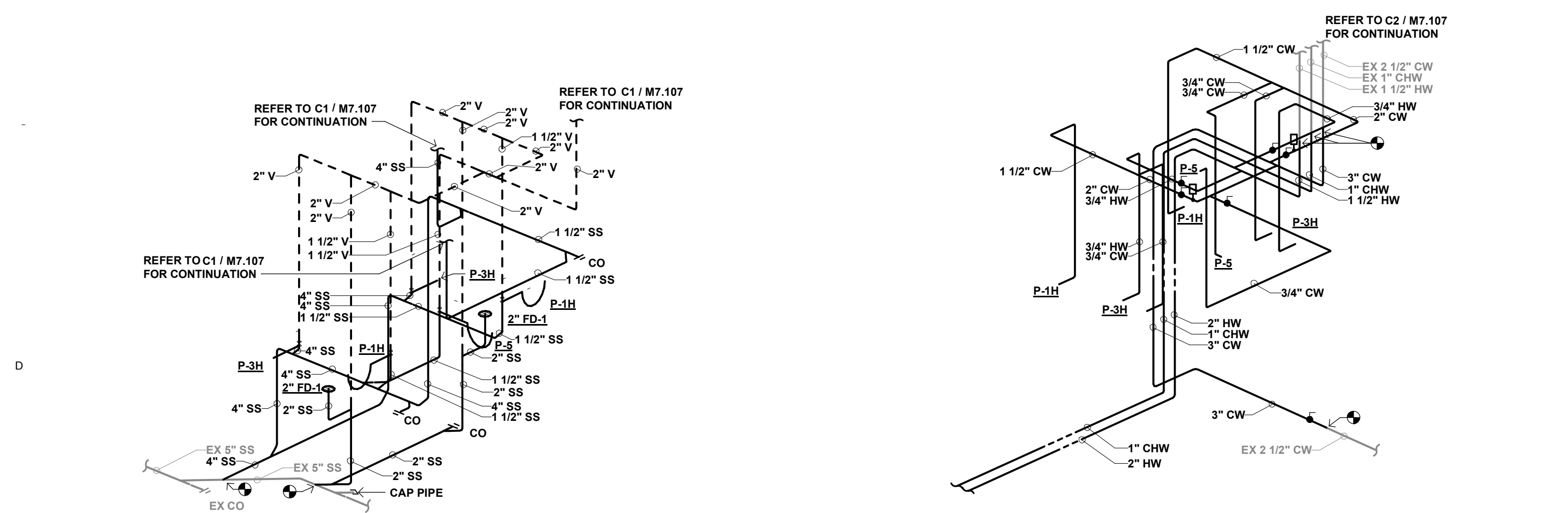
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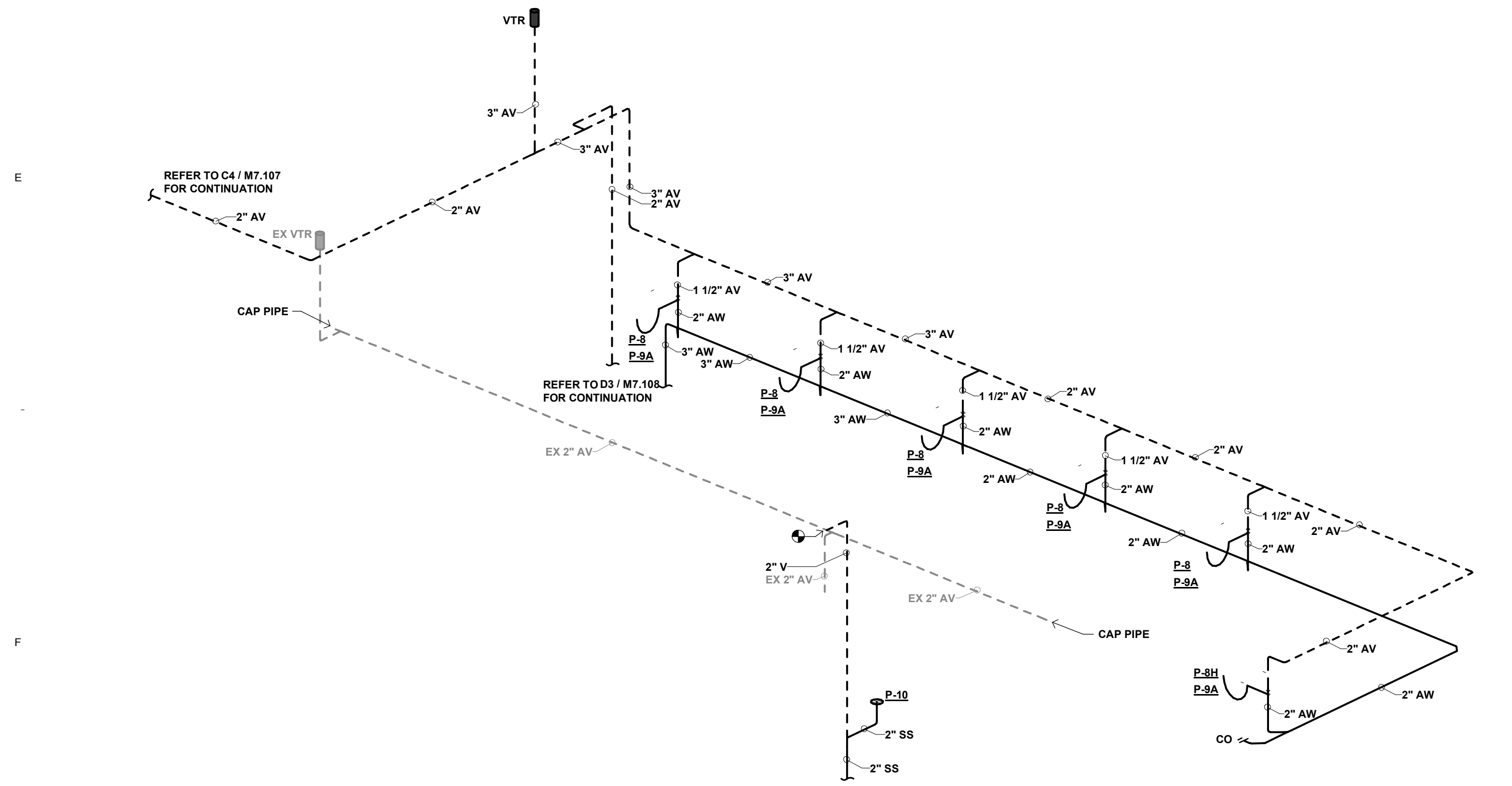
**C1 WASTE AND VENT RISER DIAGRAM - ROOMS G307, G308**  
NOT TO SCALE

**C2** SUPPLY RISER DIAGRAM - ROOMS G307, G308  
NOT TO SCALE

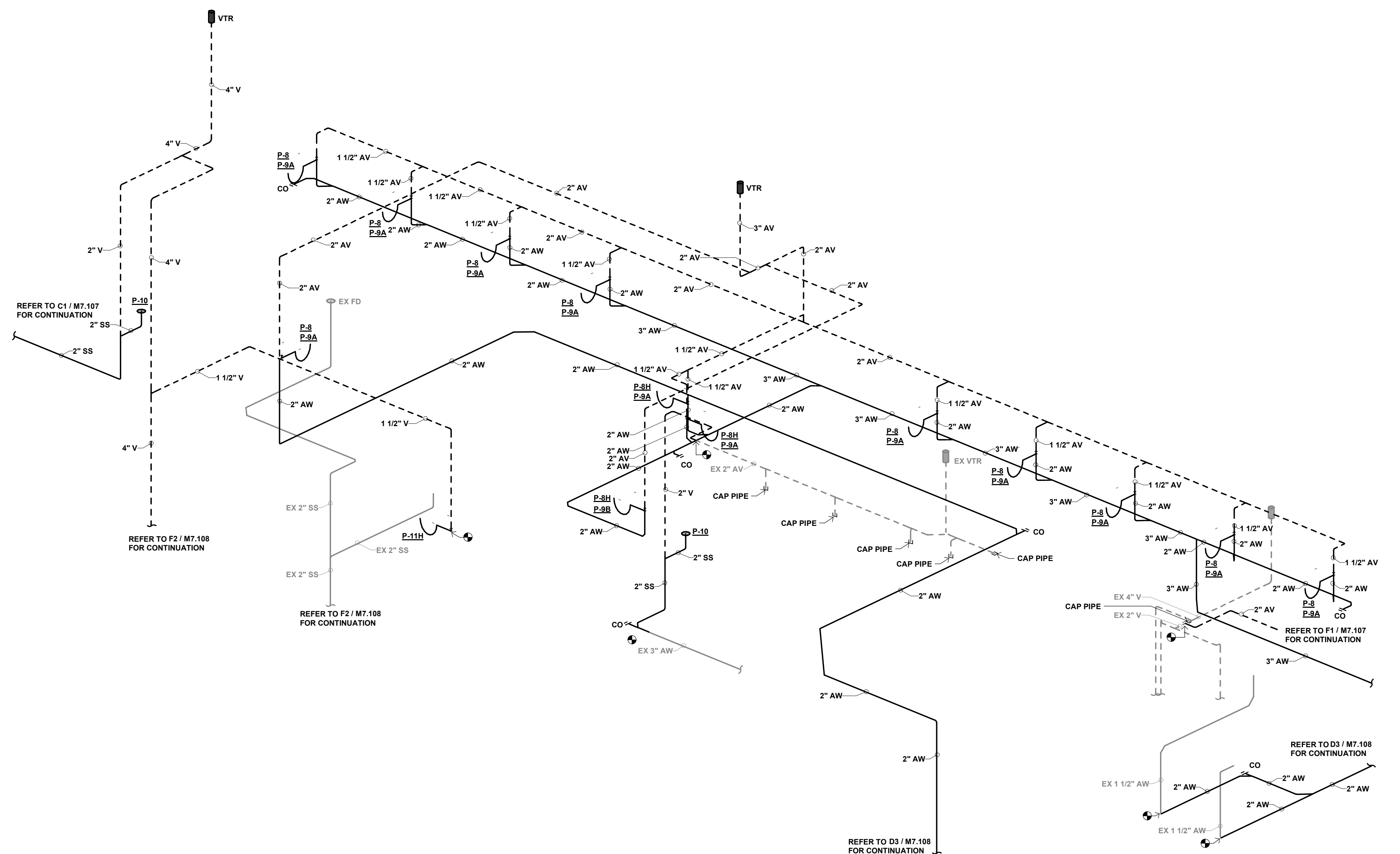


D1 WASTE AND VENT RISER DIAGRAM - ROOMS G107, G108  
NOT TO SCALE

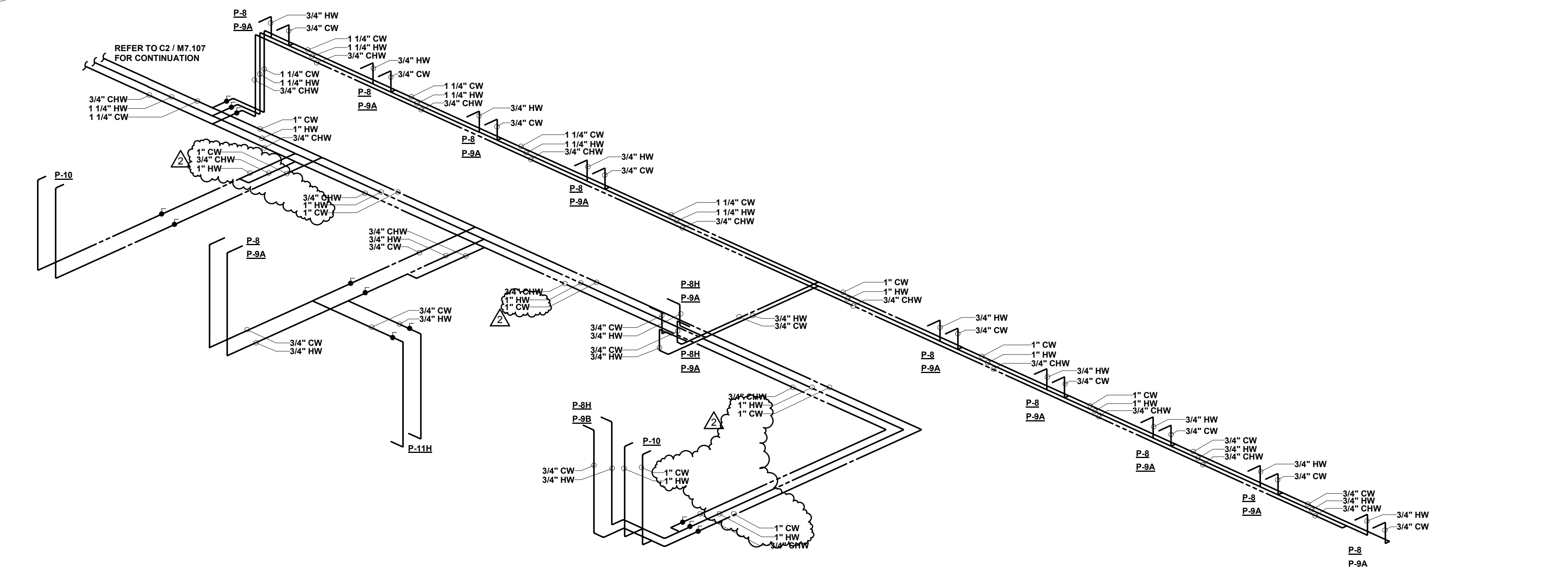
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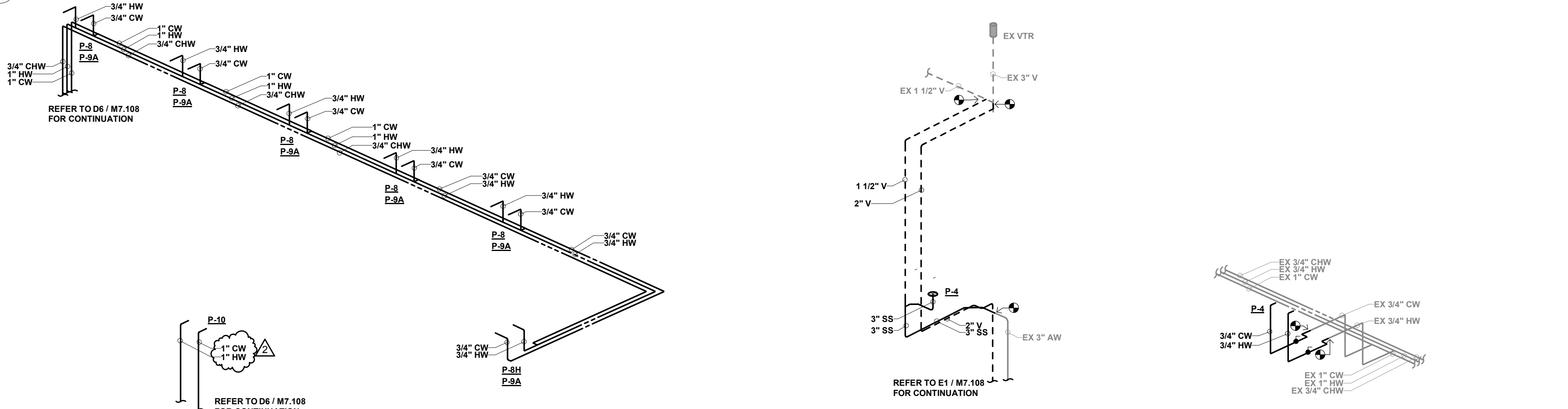
**F1 WASTE AND VENT RISER DIAGRAM - ROOM H308**  
NOT TO SCALE



**C4** WASTE AND VENT RISER DIAGRAM - ROOMS H305, H313  
NOT TO SCALE



**E4** SUPPLY RISER DIAGRAM - ROOMS H305, H313  
NOT TO SCALE



**F4** SUPPLY RISER DIAGRAM - ROOM H308  
NOT TO SCALE

F6 WASTE AND VENT DIAGRAM - ROOM H304  
NOT TO SCALE

**F7** **SUPPLY RISER DIAGRAM - ROOM H304**  
NOT TO SCALE

under the laws of the State of **MINNESOTA**.

Lucia Marshall

License **KEVIN MARSHALL**

Number: 23989 Date 1/22/2019

[illegible]Comm: 172297

Date: 1/22/2019

Drawn: NRB

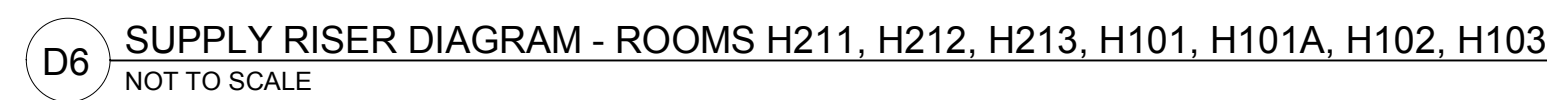
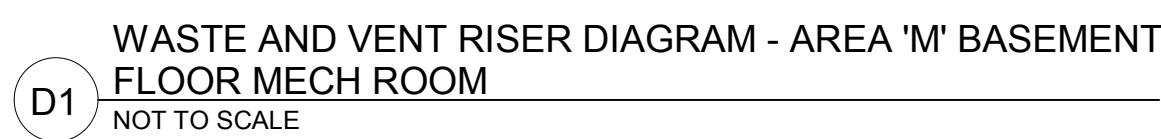
Check: JC North

## PLUMBING RISER DIAGRAMS

Scale:

# M7.107




PROFESSIONAL ENGINEER

*L. de Vill*

KEVIN MARSHALL

Number: 23989 Date: 1/22/2019

Comm: **172297**  
Date: **1/22/2019**  
Drawn: **NRB**  
Check: **JC**

  
North

Date: 1/22/2019 

Check: **JC** North

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## FLUORIDING RISES FOLDING

## References

Scale:

M7-1118

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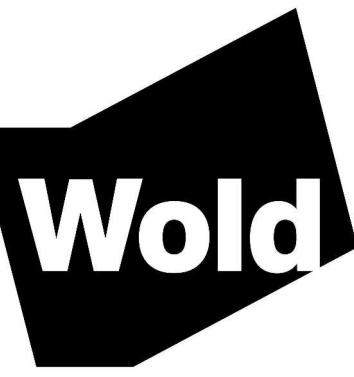
MN

Richfield High School Additions and Renovations

7001 Harriet Avenue  
Richfield, Minnesota 55423

Independent School District #280

7001 Harriet Avenue  
Richfield, Minnesota 55423

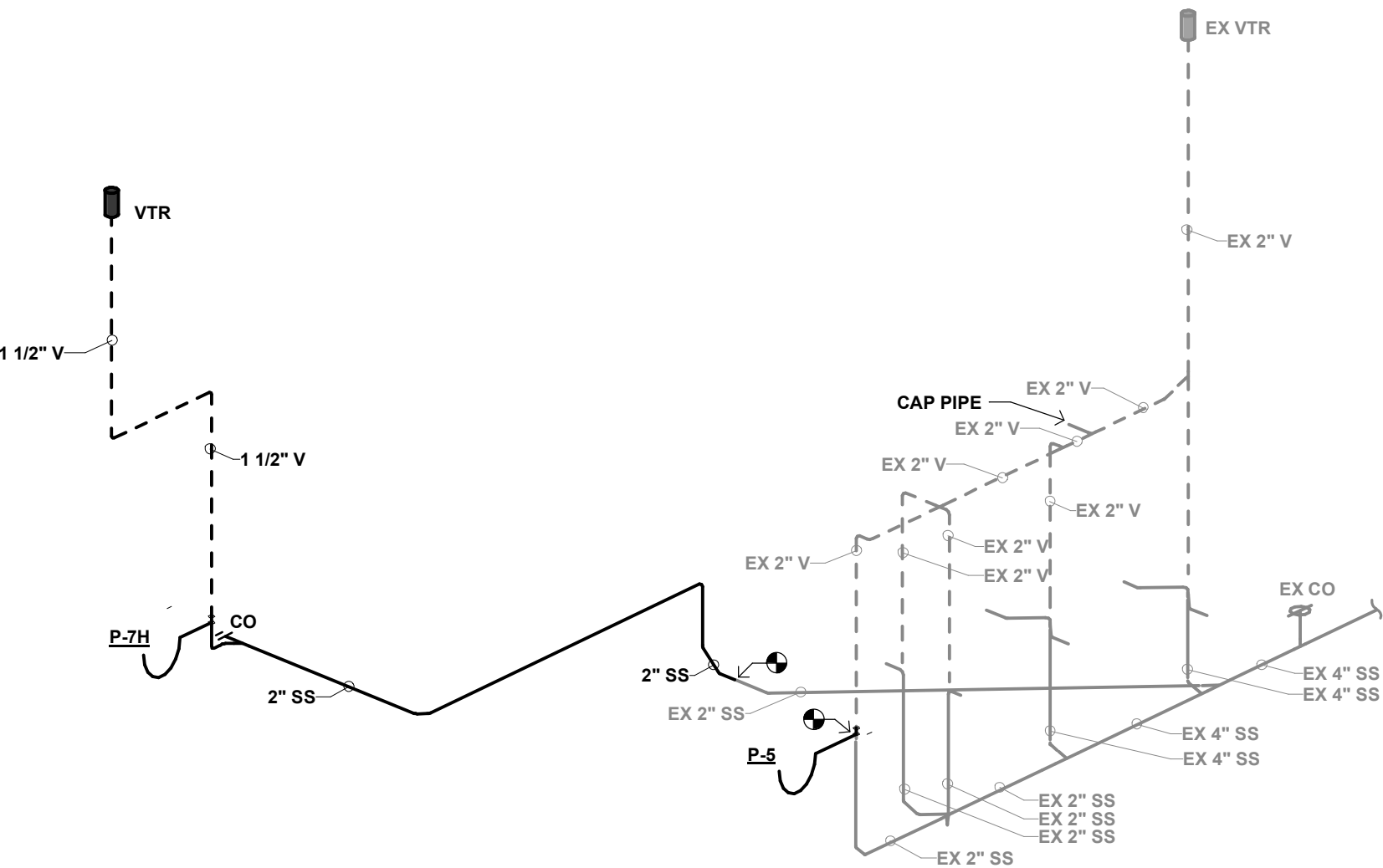


WOLD ARCHITECTS AND ENGINEERS

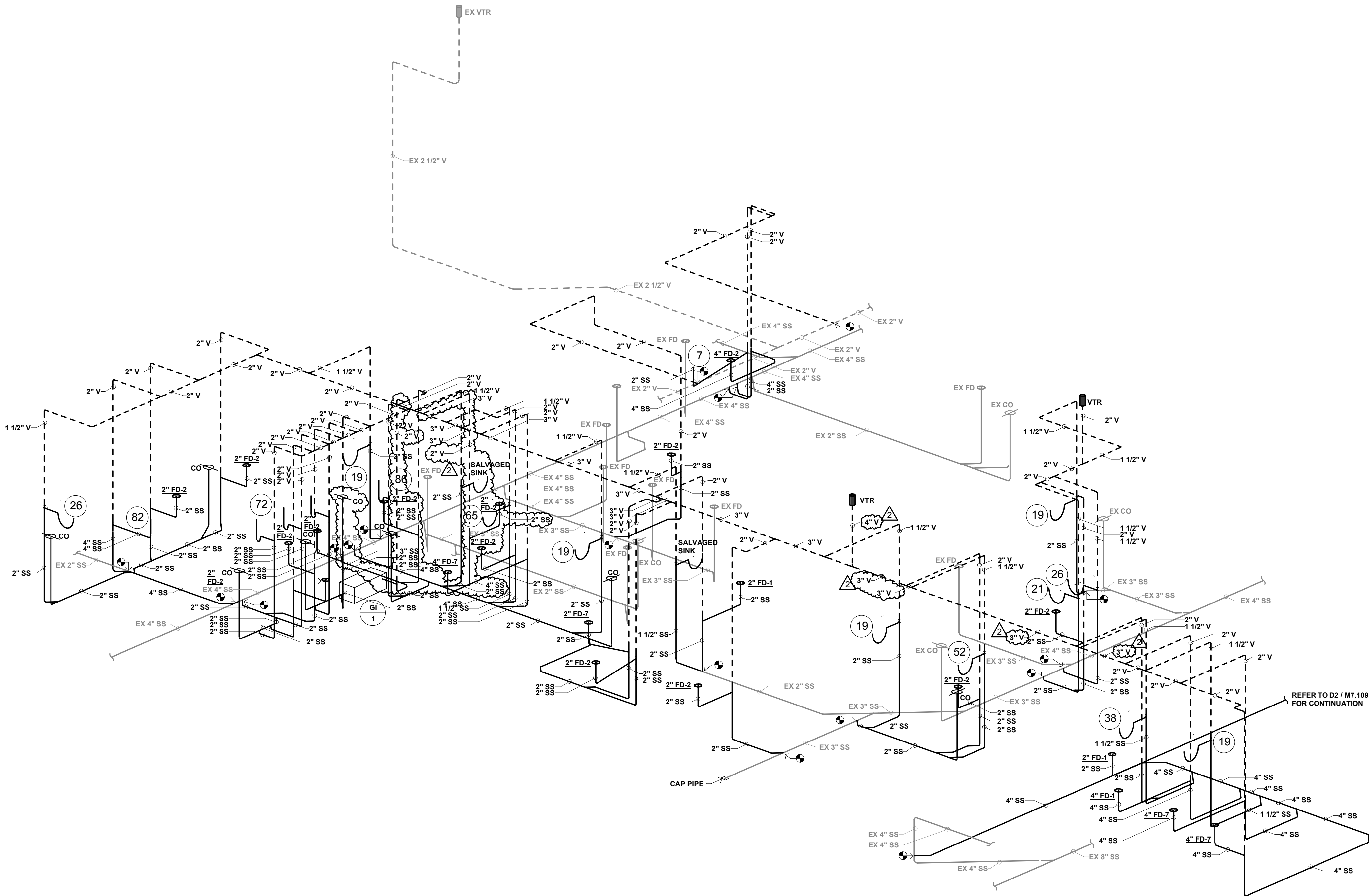
332 Minnesota Street, Suite W2000  
Saint Paul, MN 55101

woldac.com | 651.227.7773

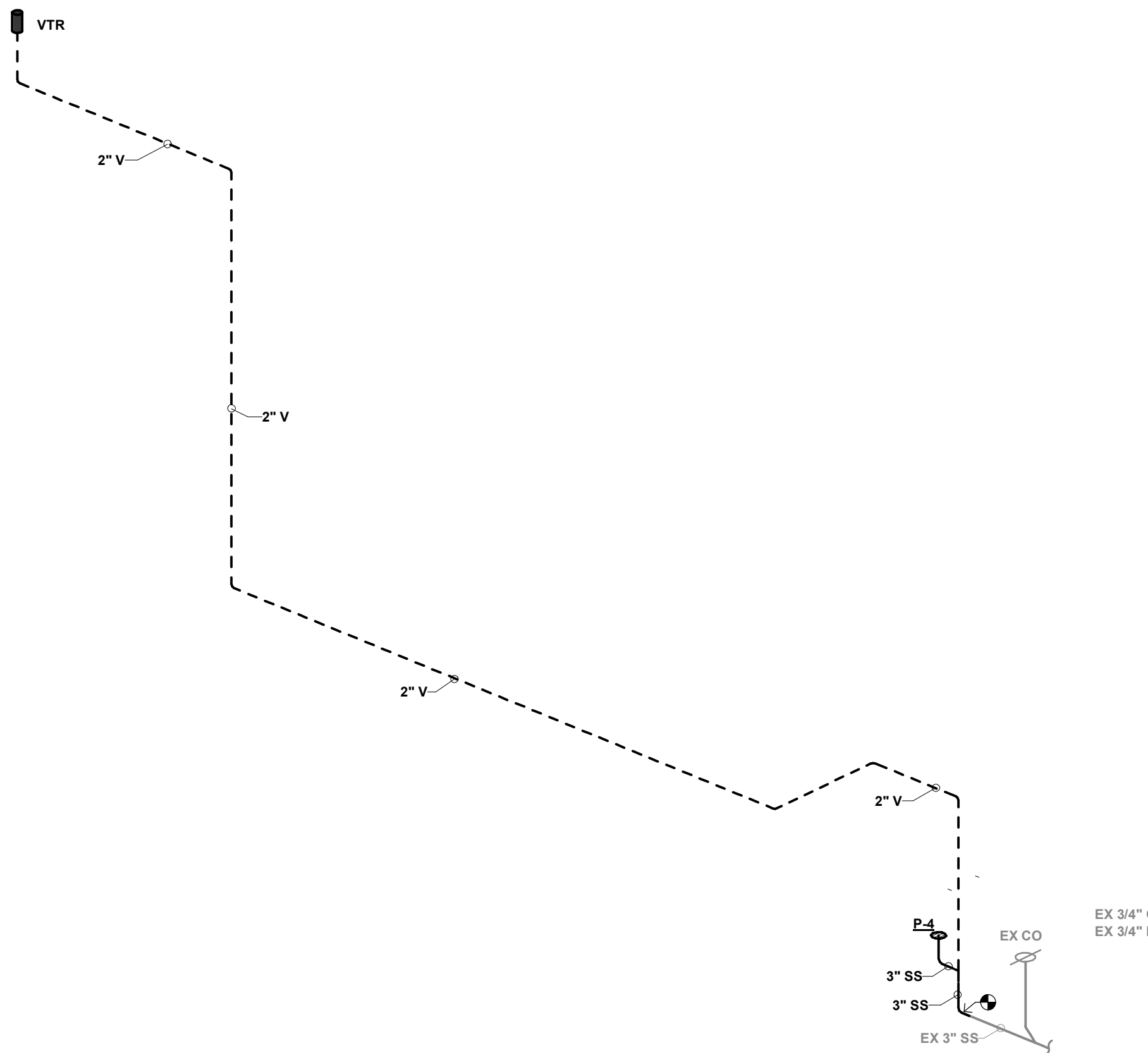
C1 WASTE AND VENT RISER DIAGRAM - ROOM M146, M137A  
NOT TO SCALE



D4 WASTE AND VENT RISER DIAGRAM - ROOMS J137, K101, K102, K103, K104  
NOT TO SCALE



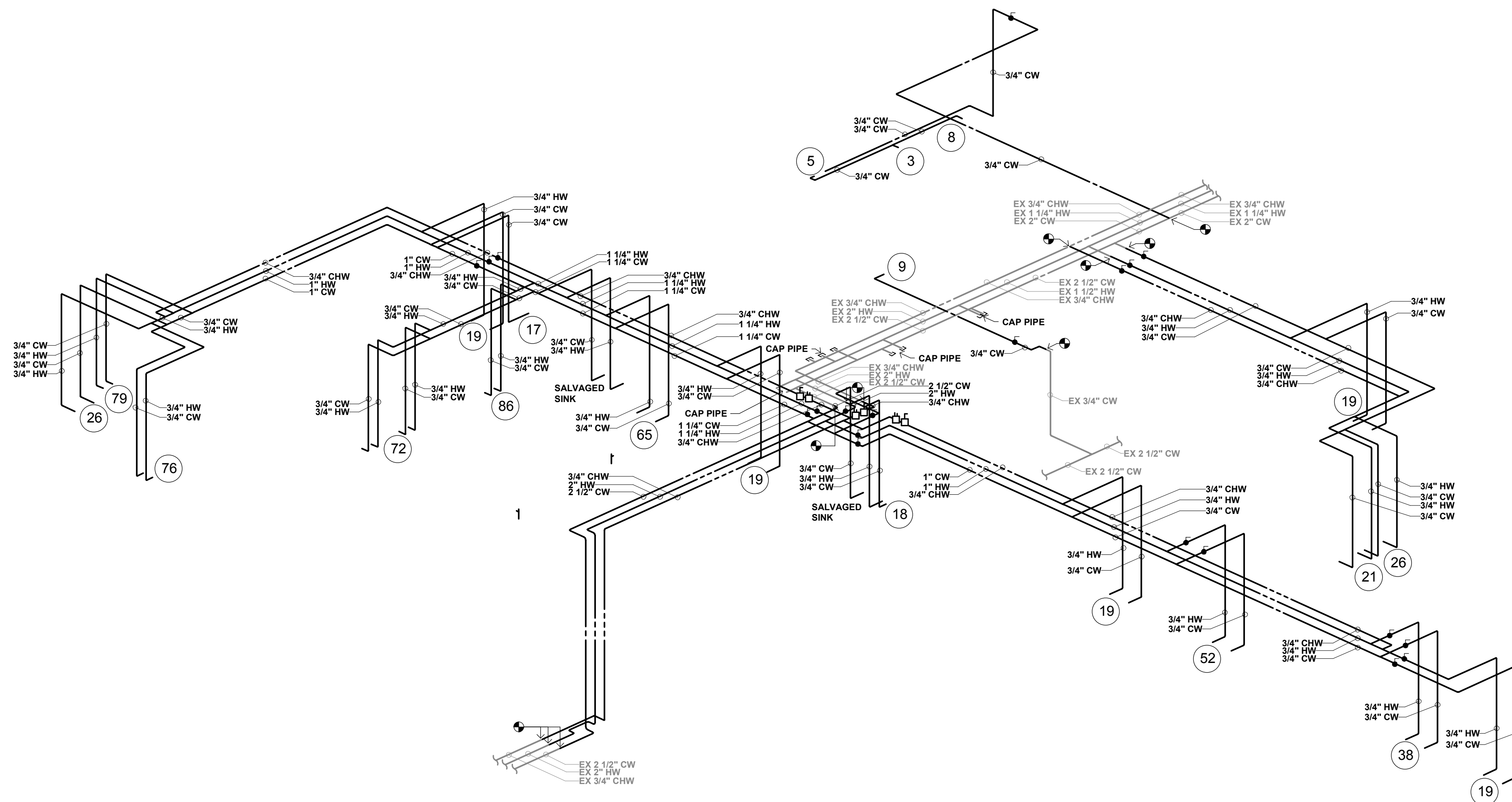
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NOT TO SCALE



F1 WASTE AND VENT RISER DIAGRAM - ROOM M004  
NOT TO SCALE

F3 SUPPLY RISER DIAGRAM - ROOM M004  
NOT TO SCALE

F4 SUPPLY RISER DIAGRAMS - ROOMS J137, K101, K102, K103, K104  
NOT TO SCALE



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 MINNESOTA

under the laws of the State of MINNESOTA  
*Kevin Marshall*  
License: KEVIN MARSHALL  
Number: 23989 Date: 1/22/2019

Description	Revisions	
	Date	Num
ADDENDUM #3	2/19/19	1
PR #001	04/30/2019	2

Comm: 172297  
Date: 1/22/2019  
Drawn: NRB  
Check: JC  
North

PLUMBING RISER DIAGRAMS

Scale:

M7.110



VAV TERMINAL UNIT SCHEDULE																		
UNIT NO.	SERVES	MANUFACTURER	MODEL NO.	COOLING		HEATING		MAX PRESS. DROP WCOL (INCHES W.G.)	INLET SIZE	REHEAT COIL DATA				CONTROL VALVE	REMARKS			
				MAX CFM	MIN CFM	MAX CFM	MIN CFM			EAT (°F)	LAT (°F)	MBH	GPM			EWT (°F)		
EX-TB-A1	A112 - FOOD CLASSROOM	TITUS	DESV	1070	321	1070	450	0.45	12"	55	85	29.3	3	160	142.7	5.0	2-WAY	2.7
EX-TB-A2	A105 - ART	TITUS	DESV	600	180	600	225	0.45	8"	55	104	15.2	2	160	137.2	5.0	2-WAY	2.7
EX-TB-A3	A105 - ART	TITUS	DESV	600	180	600	225	0.45	8"	55	104	15.2	2	160	137.2	5.0	2-WAY	2.7
EX-TB-A4	A107 - ART	TITUS	DESV	600	180	600	225	0.45	8"	55	109	15.2	2	160	144.1	5.0	2-WAY	2.7
EX-TB-A5	A107 - ART	TITUS	DESV	600	180	600	225	0.45	8"	55	109	15.2	2	160	144.1	5.0	2-WAY	2.7
EX-TB-A6	115B, 115C - DARK ROOM, 115D - STORAGE	TITUS	DESV	460	138	460	200	0.45	7"	55	105	11.9	1	160	137.8	5.0	2-WAY	2.7
EX-TB-A7	A115 - TV STUDIO	TITUS	DESV	890	264	890	330	0.45	8"	55	98	29.3	3	160	124.5	5.0	2-WAY	2.7
EX-TB-A8	A114 - CLASSROOM	TITUS	DESV	1100	330	1100	450	0.45	12"	55	96	29.3	3	160	124.5	5.0	2-WAY	2.7
EX-TB-A9	A113 - FOOD LAB	TITUS	DESV	1200	360	1200	450	0.45	12"	55	91	29.3	3	160	124.5	5.0	2-WAY	2.7
EX-TB-B1	B101 - CLASSROOM	TITUS	DESV	1900	570	1900	450	0.45	14"	55	78	34.6	4	160	143.2	5.0	2-WAY	2.7
EX-TB-B2	B102 - PHOTOS	TITUS	DESV	900	300	900	450	0.45	10"	55	101	26	3	160	131.4	5.0	2-WAY	2.7
EX-TB-B3	B102 - PHOTOS, B102A - OFFICE	TITUS	DESV	1195	350	1195	450	0.45	12"	55	98	29.3	3	160	124.9	5.0	2-WAY	2.7
VAV-C1	C134 - CONFERENCE, C117A - FLEX/CIRC	TITUS	DESV	450	140	450	230	0.45	6"	55	82	13.2	1.3	160	138	5.0	2-WAY	1,2,3,4,5,6
VAV-C2	C106 - CIRC	TITUS	DESV	660	200	660	330	0.45	10"	55	74	13.8	1.8	160	143.6	5.0	2-WAY	1,2,3,4,5,6
VAV-C3	C117 - CIRC	TITUS	DESV	990	300	990	500	0.45	10"	55	72	18.2	3.2	160	147.6	5.0	2-WAY	1,2,3,4,5,6
VAV-C4	C127 - CLASSROOM	TITUS	DESV	520	160	520	260	0.45	8"	55	72	11.2	1.2	160	137.1	5.0	2-WAY	1,2,3,4,5,6
VAV-C5	C122A - SMALL GROUP/FLEX	TITUS	DESV	65	20	65	40	0.45	4"	55	72	1.2	0.7	160	149.3	5.0	2-WAY	1,2,3,4,5,6
VAV-C6	C122 - FLEX/CIRC	TITUS	DESV	895	270	895	450	0.45	10"	55	72	16.4	2.4	160	145.1	5.0	2-WAY	1,2,3,4,5,6
VAV-C7	C123 - COPY CENTER, C123A - MOTHERS ROOM	TITUS	DESV	310	100	310	160	0.45	6"	55	72	5.7	0.7	160	139.5	5.0	2-WAY	1,2,3,4,5,6
VAV-C8	C119W - IT LOUNGE, C121 - DATA, C119 - IT OFFICE, C119E - IT LOUNGE, C124 - STORAGE	TITUS	DESV	1180	360	1180	590	0.45	10"	55	72	21.7	5.8	160	151.9	5.0	2-WAY	1,2,3,4,5,6
VAV-C9	C214W - FLEX/CIRC (WEST), C222 - CIRC	TITUS	DESV	885	270	885	450	0.45	10"	55	77	21.1	2	160	132.4	5.0	2-WAY	1,2,3,4,5,6
EX-TB-C1	C207 - CLASSROOM	TITUS	DESV	1130	340	1130	570	0.45	10"	55	72	20.7	2	160	130.3	5.0	2-WAY	2.7
EX-TB-C2	C214E - FLEX/CIRC (EAST), C208 - CIRC	TITUS	DESV	1010	310	1010	510	0.45	10"	55	74	20.3	2	160	131.3	5.0	2-WAY	2.7
EX-TB-C3	C209 - CLASSROOM	TITUS	DESV	1130	340	1130	570	0.45	10"	55	72	20.7	2	160	130.3	5.0	2-WAY	2.7
EX-TB-C7	C213 - STORAGE, C208 CONFERENCE, C210 - CONFERENCE	TITUS	DESV	515	160	515	260	0.45	12"	55	72	9.5	2	160	134.1	5.0	2-WAY	2.7
EX-TB-C9	C215 - COMPUTER LAB (1/2)	TITUS	DESV	795	240	795	400	0.45	10"	55	72	14.6	0.8	160	120	5.0	2-WAY	2.7
EX-TB-C10	C216 - COMPUTER LAB (1/2)	TITUS	DESV	785	240	785	400	0.45	12"	55	72	14.4	2	160	129.2	5.0	2-WAY	2.7
EX-TB-C11	C325 - LAB	TITUS	DESV	1035	320	1035	520	0.45	10"	55	75	22.5	2	160	131	5.0	2-WAY	2.7
EX-TB-C12	C325 - LAB	TITUS	DESV	1035	320	1035	520	0.45	10"	55	75	22.5	2	160	131	5.0	2-WAY	2.7
EX-TB-C13	C323 - LAB	TITUS	DESV	1035	320	1035	520	0.45	10"	55	75	22.5	2	160	131	5.0	2-WAY	2.7
EX-TB-C14	C322 - LAB	TITUS	DESV	1035	320	1035	520	0.45	10"	55	75	22.5	2	160	131	5.0	2-WAY	2.7
EX-TB-C16	C327 - STRG, C302, C316, C307 - CORR	TITUS	DESV	1040	320	1040	520	0.45	10"	55	81	29.2	2.6	160	135.9	5.0	2-WAY	2.7
EX-TB-C17	C327 - CORR, C309, C316, C307 - CORR	TITUS	DESV	1040	320	1040	520	0.45	10"	55	85	33.4	4.1	160	142.3	5.0	2-WAY	2.7
VAV-D1	D108 - FLEX	TITUS	DESV	310	100	310	160	0.45	6"	55	73.9	6.4	0.7	160	139.5	5.0	2-WAY	1,2,3,4,5,6
VAV-D2	D107B - FLEX	TITUS	DESV	210	70	210	110	0.45	4"	55	85.3	6.9	2.1	160	152.8	5.0	2-WAY	1,2,3,4,5,6
VAV-D3	D107A - FLEX, D107 - CLASS	TITUS	DESV	780	240	780	400	0.45	10"	55	77.2	24.4	2	160	139.2	5.0	2-WAY	1,2,3,4,5,6
VAV-D4	D106 - OFFICE	TITUS	DESV	95	30	95	50	0.45	4"	55	93.8	4	0.7	160	147.1	5.0	2-WAY	1,2,3,4,5,6
VAV-D5	D105C-KITCHEN, D105-TOILET, D105-CLASS	TITUS	DESV	745	230	745	380	0.45	10"	55	84.7	24.2	2	160	134	5.0	2-WAY	1,2,3,4,5,6
VAV-D6	D108B - CONF, D109 - CORR, D109A - FLEX	TITUS	DESV	450	140	450	230	0.45	6"	55	83.8	13.2	1.3	160	138	5.0	2-WAY	1,2,3,4,5,6
VAV-D7	D105B-KITCHEN, D105, D109A - FLEX	TITUS	DESV	440	140	440	220	0.45	6"	55	75.1	9.6	2.4	160	151.3	5.0	2-WAY	1,2,3,4,5,6
VAV-E1	E102 - CORR E112 - TICKETS, E113, E108, E104 - STORAGE, E106 - TRAINING ROOM	TITUS	DESV	1245	380	1245	630	0.45	12"	55	87	46.1	4.5	160	139.3	5.0	2-WAY	1,2,3,4,5,6
VAV-F1	F027, F028, F028A, F028, F021, F021	TITUS	DESV	830	180	830	240	0.45	10"	55	74	17.0	3.1	160	148.0	5.0	2-WAY	1,2,3,4,5,6,8
VAV-F2	F031, F028 - CORRIDOR, F029 - CLASSROOM	TITUS	DESV	780	240	780	239	0.45	12"	55	94	33.1	3.5	160	139.3	5.0	2-WAY	1,2,3,4,5,6,8
VAV-F3	F014B - PASSWAY	TITUS	DESV	195	60	195	94	0.45	8"	55	80.6	5.4	0.7	160	142.5	5.0	2-WAY	1,2,3,4,5,6,8
VAV-F4	F014 - GIRL'S PHYSICAL EDUCATION	TITUS	DESV	570	200	570	171	0.45	08"	55	90.4	21.9	3.4	160	145.9	5.0	2-WAY	1,2,3,4,5,6,8
VAV-F5	F008, F009A - STOR, F009 - MULTIPURPOSE	TITUS	DESV	1485	450	1485	750	0.45	12"	55	80.1	40.5	3.0	160	130.6	5.0	2-WAY	1,2,3,4,5,6,8
VAV-F6	F020 MULTIPURPOSE, F031E CORRIDOR	TITUS	DESV	480	150	480	171	0.45	08"	55	87.7	17.0	1.60	160	138.4	5.0	2-WAY	1,2,3,4,5,6,8
VAV-F7	F101 - CORRIDOR	TITUS	DESV	540	170	540	240	0.45	8"	55	84.8	22.8	4.8	160	148.8	5.0	2-WAY	2.7
VAV-F8	F103B RESTROOM, E100A - CIRCISTAIRWAY, E101W - RESTROOM, E120 - STORAGE	TITUS	DESV	1255	380	1255	630	0.45	14"	55	94	53.2	6	160	140.8	5.0	2-WAY	1,2,3,4,5,6
EX-TB-G1	G303 - CLASSROOM	TITUS	DESV	400	120	400	200	0.45	6"	55	76	10.6	2	160	149	5.0	2-WAY	2.7
EX-TB-G12	G303 - CLASSROOM	TITUS	DESV	800	240	800	400	0.45	8"	55	75	23.1	2	160	133.3	5.0	2-WAY	2.7
EX-TB-G16	G202 - CLASSROOM	TITUS	DESV	2000	600	2000	750	0.45	14"	55	77	47.7	5	160	120.4	5.0	2-WAY	2.7
VAV-G1	G101A CIRC	TITUS	DESV	2120	640	2120	1080	0.45	24x16"	55	94.1	90	7.8	160	134.9	5.0	2-WAY	2.7
VAV-G2	G203 - CLASSROOM	TITUS	DESV	1125	340	1125	570	0.45	10"	55	72	20.7	4.8	160	150.8	5.0	2-WAY	2.7
VAV-G3	H110 - CLASSROOM	TITUS	DESV	1140	342	1140	570	0.45	10"	55	77.2	27.5	2	160	130.2	5.0	2-WAY	1,2,3,4,5,6
VAV-G4	G104 - CLASSROOM	TITUS	DESV	1140	342	1140	570	0.45	10"	55	77.2	27.5	2	160	130.2	5.0	2-WAY	1,2,3,4,5,6
VAV-G5	G103 - CLASSROOM	TITUS	DESV	1140	342	1140	570	0.45	10"	55	77.2	27.5	2	160	130.2	5.0	2-WAY	2.7

MN

MECHANICAL ABBREVIATIONS

AD	AREA DRAIN	GR	GRILLE
AF	AREA FINISH	HB	HORSE BIBB
AF	AS HIGH AS POSSIBLE	HCB	HARD COLD WATER
BF	BELOW FINISHED FLOOR	HP	HORSE POWER
BLD	BUILDING	HW	HOT WATER
BSMT	BASIN	INV	INVERT
BTWN	BETWEEN	KW	KILOWATT
CB	CATCH BASIN	LAT	LEAVING AIR TEMPERATURE
CFM	CUBIC FEET/MINUTE	LWT	LEAVING WATER TEMPERATURE
CHW	CIRCULATING HOT WATER	MAX	MAXIMUM
CLG	CEILING	MBH	1000 BTU
CO	CLEANOUT	MECH	MECHANICAL
CONCR	CONCRETE	MH	MANHOLE
CONTR	CONTRACTOR	MIN	MINIMUM
CW	COLD WATER	NTS	NOT TO SCALE
DB	DRY BULB	OA	OUTSIDE AIR
DEG	DEGREE	OBD	OPPOSED BLADE DAMPER
DIA	DIAMETER	ORD	OVERFLOW ROOF DRAIN
DIFF	DIFFUSER	P#	PLUMBING FIXTURE NUMBER
EAT	ENTERING AIR TEMPERATURE	P & T	PRESSURE AND THERMOSTATIC
EDR	SQUARE FEET RADIATION	PD	PRESSURE DROP
EFF	EFFICIENCY	PUBG	PLUMBING
EL	ELBOW	QUAN	QUANTITY
ELEC	ELECTRICAL	RA	RETURN AIR
ELEV	ELEVATION	RD	ROOF DRAIN
EWT	ENTERING WATER TEMPERATURE	REG	REGISTER
EXH	EXHAUST	REQD	REQUIRED
EXIST	EXISTING	RPM	REVOLUTIONS/MINUTE
F	FEET	SA	SUPPLY AIR
F & T	FLOAT AND THERMOSTATIC	SCW	SOFT COLD WATER
FD	FLOOR DRAIN	SHT	SHEET
PH	FIRE HYDRANT	SP	STATIC PRESSURE
FLA	FULL LOAD AMPS	TD	TEMPERATURE DIFFERENCE
FLR	FLOOR	VTR	VENT THROUGH ROOF
FTR	FINNED TUBE RADIATION	WTH	WET
GEN	GENERAL	WB	WET BULB
GPM	GALLONS/MINUTE	WH	WALL HYDRANT

MECHANICAL LINETYPES

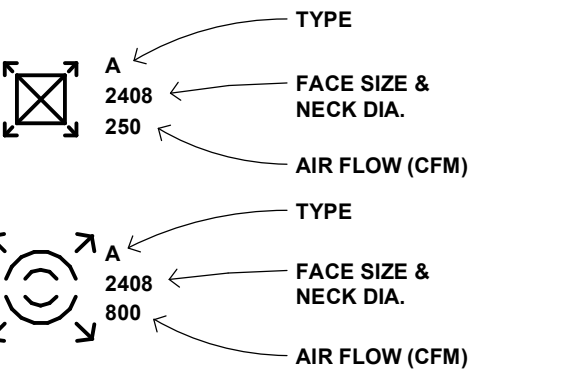
— S —	DOMESTIC SOFT COLD WATER PIPING
— HT —	DOMESTIC HOT WATER PIPING
— HT —	HEAT TRACE DOMESTIC HOT WATER PIPING
— HT —	DOMESTIC CIRCULATING HOT WATER PIPING
— AV —	ACID RESISTANT VENT PIPING
— SS —	SANITARY WASTE ABOVE GROUND PIPING
— AW —	SANITARY WASTE BELOW GROUND PIPING
— AW —	ACID RESISTANT WASTE ABOVE GROUND PIPING
— PD —	PUMP DISCHARGE PIPING
— SD —	STORM DRAIN ABOVE GROUND PIPING
— SD —	STORM DRAIN BELOW GROUND PIPING
— SD —	CONDENSATE DRAIN PIPING
— IA —	INDUSTRIAL AIR PIPING
— VAC —	VACUUM PIPING
— NG —	NATURAL GAS PIPING
— ING —	INTERRUPTIBLE NATURAL GAS PIPING
— FNG —	FIRM NATURAL GAS PIPING
— LFG —	LIQUEFIED PETROLEUM GAS PIPING
— FOS —	FUEL OIL SUPPLY PIPING
— FOR —	FUEL OIL RETURN PIPING
— FOG —	FUEL OIL GAGE PIPING
— FP —	FIRE PROTECTION PIPING
— HWS —	BUILDING HEATING WATER SUPPLY PIPING
— HWR —	BUILDING HEATING WATER RETURN PIPING
— LPS —	LOW PRESSURE STEAM PIPING
— MPS —	MEDIUM PRESSURE STEAM PIPING
— HPS —	HIGH PRESSURE STEAM PIPING
— LPR —	LOW PRESSURE CONDENSATE RETURN PIPING
— MPR —	MEDIUM PRESSURE CONDENSATE RETURN PIPING
— HPR —	HIGH PRESSURE CONDENSATE RETURN PIPING
— RR —	REVERSE RETURN HYDRONIC PIPING (EXISTING)
— DHS —	DISTRICT HEATING SUPPLY PIPING
— DHR —	DISTRICT HEATING RETURN PIPING
— CHWS —	BUILDING CHILLED WATER SUPPLY PIPING
— CHWR —	BUILDING CHILLED WATER RETURN PIPING
— CWS —	BUILDING CHILLER CONDENSER WATER SUPPLY PIPING
— CWR —	BUILDING CHILLER CONDENSER WATER RETURN PIPING
— LIQ —	DX REFRIGERATION SYSTEM LIQUID PIPING
— SUC —	DX REFRIGERATION SYSTEM SUCTION PIPING
— HG —	BOILER FEED PIPING
— BF —	BOILER FEED PIPING
— ES —	EXTERIOR HYDRONIC SUPPLY PIPING
— IS —	INTERIOR HYDRONIC SUPPLY PIPING
— CCHWS —	CAMPUS CHILLED WATER SUPPLY
— CCHWR —	CAMPUS CHILLED WATER RETURN
— O2 —	OXYGEN PIPING
— V —	VACUUM PIPING
— A —	MEDICAL AIR PIPING
— N —	NITROGEN PIPING
— E —	WASTE ANESTHESIA GAS DISPOSAL PIPING
— N2O —	NITROUS OXIDE PIPING
— CO2 —	CARBON DIOXIDE PIPING

MECHANICAL SYMBOLS

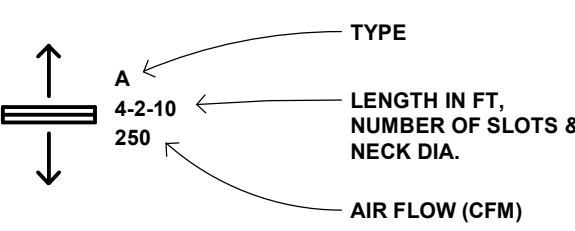
	PRESSURE GAGE		TWO WAY TEMPERATURE CONTROL VALVE
	AIR VENT		THREE WAY TEMPERATURE CONTROL VALVE
	FLOW MEASURING DEVICE		UNION
	STRAINER		THERMOMETER
	PIPING GUIDE		BALL VALVE
	PIPING ANCHOR		BUTTERFLY VALVE
	EXPANSION JOINT		GATE VALVE
	FLEXIBLE CONNECTION		CHECK VALVE
	DIRECTION OF FLOW		GLOBE VALVE
	CONCENTRIC REDUCER		PRESSURE OR PRESSURE/TEMPERATURE RELIEF VALVE
	ECCENTRIC REDUCER		ANGLE VALVE
	STEAM TRAP ASSEMBLY		PRESSURE REDUCING VALVE
	ELBOW DOWN		SOLENOID VALVE
	ELBOW UP		WALL HYDRANT
	TEE CONNECTION DOWN		HOSE BIBB
	TEE CONNECTION UP		LUBRICATED PLUG GAS COCK
	PIPING CONNECTION		BALANCING VALVE
	CAPPED PIPE		RPZ VALVE
	FINNED TUBE RADIATION		BACKFLOW PREVENTOR
	FLOOR DRAIN		FLOOR CLEANOUT
	SHOCK ABSORBER		CLEANOUT
	SUPPLY DUCT ELBOW DOWN		DUCT SMOKE DETECTOR
	SUPPLY DUCT ELBOW UP		MOTORIZED O.B. DAMPER
	RETURN/EXHAUST ELBOW DOWN		ACCESS PANEL
	RETURN/EXHAUST ELBOW UP		ELBOW W/ TURNING VANES
	OUTSIDE AIR ELBOW DOWN		LONG RADIUS DUCT ELBOW
	OUTSIDE AIR ELBOW UP		SUPPLY AIR DIFFUSER
	SUPPLY AIR FLOW		RETURN/EXHAUST AIR REGISTER/GRILLE
	RETURN AIR FLOW		SUPPLY AIR REGISTER
	FIRE DAMPER		SUPPLY DIFFUSER TAKE-OFF W/ VOLUME DAMPER, MAXIMUM FLEX DUCT LENGTH 4'-0"
	FIRE/SMOKE DAMPER		
	SMOKE DAMPER		
	RADIATION DAMPER		
	MANUAL VOLUME DAMPER		
	CONNECT TO EXISTING		

AIR DEVICE TAGS:

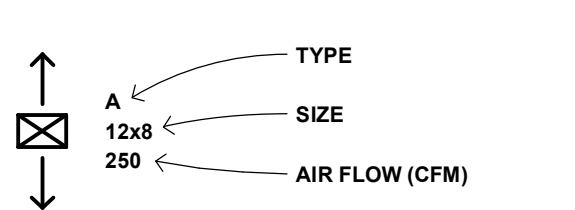
SUPPLY DIFFUSER



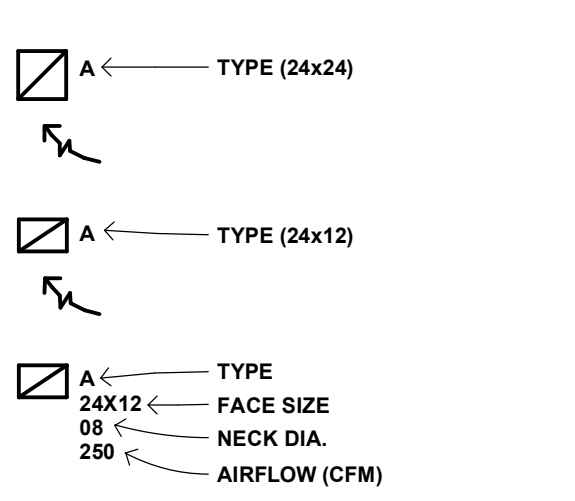
LINEAR SUPPLY DIFFUSER



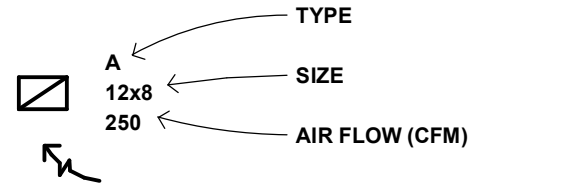
SUPPLY REGISTER OR GRILLE



RETURN GRILLE



EXHAUST, TRANSFER & RETURN REGISTERS & GRILLES



PLUMBING FIXTURE SCHEDULE

FIX. NO.	FIXTURE TYPE	WASTE	VENT	CW	HW	VACUUM	LAB GASES			REMARKS
							AIR	NAT. GAS	OTHER	
P-1	WATER CLOSET	4"	2"	1 1/4"	-	-	-	-	-	-
P-1H	WATER CLOSET (ADA)	4"	2"	1 1/4"	-	-	-	-	-	ADA COMPLIANT
P-2	URINAL	2"	1 1/2"	3/4"	-	-	-	-	-	-
P-2H	URINAL (ADA)	2"	1 1/2"	3/4"	-	-	-	-	-	ADA COMPLIANT
P-3	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	-	-	-	-	ADA COMPLIANT
P-3H	LAVATORY (ADA)	1 1/2"	1 1/2"	1/2"	1/2"	-	-	-	-	ADA COMPLIANT
P-4	MOP BASIN	3"	1 1/2"	3/4"	3/4"	-	-	-	-	-
P-5	WATER COOLER	1 1/2"	1 1/2"	1/2"	-	-	-	-	-	SURFACE MOUNTED, DUAL HEIGHT WITH BOTTLE FILLER
P-6	SHOWER	-	-	1/2"	1/2"	-	-	-	-	-
P-6H	SHOWER (ADA)	-	-	1/2"	1/2"	-	-	-	-	-
P-7H	TWO BASIN SINK (ADA)	2"	1 1/2"	1/2"	1/2"	-	-	-	-	ADA COMPLIANT
P-8	LAB TABLE FIXTURE	2"	1 1/2"	1/2"	1/2"	-	-	-	-	1 CW AND HW FAUCET
P-8A	GAS TURRET (QUAD)	-	-	-	-	-	-	1/2"	-	-
P-8B	GAS TURRET (DUAL)	-	-	-	-	-	-	1/2"	-	-
P-10	EMERGENCY EYEWASH	-	-	-	-	-	-	-	-	-
P-11H	SINGLE SINK (ADA)	2"	1 1/2"	1/2"	1/2"	-	-	-	-	ADA COMPLIANT
P-12	ART ROOM SINK	2"	1 1/2"	1/2"	1/2"	-	-	-	-	PROVIDE WITH SOLIDS INTERCEPTOR
P-12H	ART ROOM SINK (ADA)	2"	1 1/2"	1/2"	1/2"	-	-	-	-	ADA COMPLIANT PROVIDE WITH SOLIDS INTERCEPTOR
P-13	SERVICE SINK	2"	1 1/2"	1/2"	1/2"	-	-	-	-	ADA COMPLIANT
P-14	WATER COOLER	1 1/2"	1 1/2"	1/2"	-	-	-	-	-	SURFACE MOUNTED, DUAL HEIGHT NO BOTTLE FILLER

EXISTING FIN TUBE RADIATION SCHEDULE - HOT WATER

UNIT NO.	SERVES	ENCLOSURE TYPE	CONTROL TYPE	EWT	LWT	EAT	OUTPUT MBH	GPM	REMARKS
EX FTR-C1	C103A - JANITOR'S CLOSET	SLOPE-TOP		160	140	65	2.5	0.4	
EX FTR-C2	C103A - JANITOR'S CLOSET	BARE FIN		160	140	65	9.2	1.2	
EX FTR-C3	C113 - JANITOR'S CLOSET	BARE FIN		160	140	65	9.2	1.4	
EX FTR-C4	C113 - JANITOR'S CLOSET	SLOPE-TOP		160	140	65	3.6	0.5	
EX FTR-C5	C203 - JANITOR'S CLOSET	SLOPE-TOP		160	140	65	2.5	0.4	
EX FTR-C6	C203 - JANITOR'S CLOSET	BARE FIN		160	140	65	10.1	1.5	
EX FTR-C7	C216 - JANITOR'S CLOSET	BARE FIN		160	140	65	9.2	1.4	
EX FTR-C8	C216 - JANITOR'S CLOSET	SLOPE-TOP		160	140	65	3.6	0.5	
EX FTR-C9	C301 - STORAGE	SLOPE-TOP		160	140	65	9.6	1.5	
EX FTR-C10	C305 - JANITOR'S CLOSET	SLOPE-TOP		160	140	65	3.7	0.6	
EX FTR-C11	C305 - JANITOR'S CLOSET	BARE FIN		160	140	65	10.6	1.6	
EX FTR-C12	C314 - JANITOR'S CLOSET	BARE FIN		160	140	65	9.7	1.5	
EX FTR-C13	C314 - JANITOR'S CLOSET	SLOPE-TOP		160	140	65	4.6	0.7	
EX FTR-E1	E112 - TICKETS	SLOPE-TOP		160	140	65	-	0.3	

GRILLES, REGISTERS AND DIFFUSERS SCHEDULE

TYPE	SERVICE	MANUF. & MODEL NO.	DESCRIPTION	REMARKS
A	SUPPLY AIR DIFFUSER (LAY-IN CEILING MOUNT)	TITUS MODEL TMS BORDER TYPE 3	24" x 24" STEEL 3 CONE LOUVERED FACE SUPPLY AIR DIFFUSER WITH ROUND INLET NECK, HEAVY GAUGE STEEL BACK PAN, AND FACTORY BAKED WHITE ENAMEL FINISH.	
B	RETURN GRILLE (LAY-IN CEILING MOUNT)	TITUS MODEL 50F BORDER TYPE 7	ALUMINUM 1/2" x 1/2" x 1/2" EGG CRATE GRILLE OF THE SIZE INDICATED ON THE PLANS. PROVIDE WITH BORDER CHANNEL, AND FACTORY BAKED WHITE ENAMEL FINISH.	
C	SUPPLY REGISTER (SURFACE MOUNT)	TITUS MODEL 300RL	ALL STEEL SUPPLY REGISTER OF THE SIZE AS INDICATED ON THE PLANS. PROVIDE WITH DOUBLE DEFLECTION HORIZONTAL FRONT BLADES, 1/2" SPACING, OPPOSED BLADE DAMPER, AND BAKED WHITE ENAMEL FINISH.	
D	EXHAUST REGISTER (SURFACE MOUNT)	TITUS MODEL 350RL	ALL STEEL EXHAUST REGISTER OF THE SIZE AS INDICATED ON THE PLANS. PROVIDE WITH SINGLE DEFLECTION HORIZONTAL BLADES AT A FIXED 35° PATTERN AT 1/2" SPACING, OPPOSED BLADE DAMPER, AND FACTORY BAKED WHITE ENAMEL FINISH.	
E	RETURN, EXHAUST, TRANSFER GRILLE (SURFACE MOUNT)	TITUS MODEL 350RL	SAME AS EXHAUST REGISTER D EXCEPT WITHOUT THE OPPOSED BLADE DAMPER.	
F	SUPPLY AIR DIFFUSER (LAY-IN CEILING MOUNT)	TITUS MODEL PBS-AA BORDER TYPE 3	SAME AS TYPE A EXCEPT ALL ALUMINUM CONSTRUCTION.	
G	SUPPLY REGISTER (SURFACE MOUNT)	TITUS MODEL 350FL	SAME AS TYPE C EXCEPT ALL ALUMINUM CONSTRUCTION.	
H	REGISTER (SURFACE MOUNT)	TITUS MODEL 350FL	SAME AS TYPE D EXCEPT ALL ALUMINUM CONSTRUCTION.	
I	EXHAUST OR TRANSFER GRILLE (SURFACE MOUNT)	TITUS MODEL 350FL	SAME AS TYPE H EXCEPT WITHOUT OPPOSED BLADE DAMPER.	
J	HEAVY DUTY RETURN OR TRANSFER GRILLE (SURFACE MOUNT)	TITUS MODEL 33RL	HEAVY DUTY 16 GAUGE BORDER AND 14 GAUGE BLADE ALL STEEL CONSTRUCTION AT THE SIZE INDICATED ON THE DRAWINGS. PROVIDE WITH 1/2" BAR SPACING AT 36° DEFLECTION WITH BARS IN THE LONG DIMENSION. PROVIDE WITH FACTORY BAKED WHITE ENAMEL FINISH.	
K	ROUND SUPPLY AIR DIFFUSER (SURFACE MOUNT)	TITUS MODEL TMR	STEEL ROUND LOUVERED FACE SUPPLY AIR DIFFUSER OF THE SIZE AS INDICATED ON THE PLANS. PROVIDE WITH REMOVABLE INNER CORE, GASKETING AROUND EDGE WHEN CEILING MOUNTED, AND WHITE ENAMEL FINISH. PROVIDE WITH SAFETY CABLES TO SECURE DIFFUSER TO THE DUCT IN GYMS OR SIMILAR AREAS WHERE DIFFUSER IS SUBJECT TO ABUSE.	
L	LINEAR SUPPLY DIFFUSER (LAY-IN CEILING MOUNT)	TITUS MODEL ML-38 BORDER TYPE 8A	EXTRUDED ALUMINUM 3/4" SLOT WITH LENGTH AND NUMBER OF SLOTS AS INDICATED ON THE PLANS. PROVIDE WITH END PLATES, OPTIONAL PLENUM WITH INLET AS INDICATED ON DRAWINGS. BLANK-OFF PLATES AS REQUIRED. STEEL PATTERN CONTROLLERS (PAINTED BLACK) CAPABLE OF 180° AIR FLOW ADJUSTMENT, AND FACTORY BAKED WHITE ENAMEL FINISH.	
M	LINEAR FLOWBAR DIFFUSER	TITUS MODEL FL-10 BORDER TYPE 11	EXTRUDED ALUMINUM WITH 3" SLOT WIDTH AND NUMBER OF SLOTS AS INDICATED ON THE PLANS. PROVIDE WITH END PLATES, OPTIONAL PLENUM WITH INLET AS INDICATED ON DRAWINGS. BLANK-OFF PLATES AS REQUIRED. STEEL PATTERN CONTROLLERS (PAINTED BLACK) CAPABLE OF 180° AIR FLOW ADJUSTMENT. HIDDEN FLANGE.	

Richfield High School Additions and Renovations

7001 Harriet Avenue  
Richfield, Minnesota 55423

Independent School District #280

7001 Harriet Avenue  
Richfield, Minnesota 55423

Wold

WOLD ARCHITECTS AND ENGINEERS

332 Minnesota Street, Suite W2000  
Saint Paul, MN 55101

woldac.com | 651 227 7773

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

KEVIN MARSHALL

License Number: 23989 Date: 1/22/2019

Revisions

Description Date Num

ADDENDUM #2 2/12/19 1

PR #001 04/30/2019 2

Comm: 172297

Date: 1/22/2019

Drawn: NS

Check: JC

North

MECHANICAL SCHEDULES, ABBREVIATIONS, LINETYPES

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

M8.204





## Richfield High School Additions and Renovations

Occurrence

COR #

Field Direction

006

		Unit Rate	Qty	Subtotal
<b>Labor</b>				<b>\$ 6,367.12</b>
Laborer	Demo, rvm, dispose plaster ceiling/wall	\$ 70.96	36.5	\$ 2,590.04
Laborer	Demo, rvm, dispose plaster ceiling/wall	\$ 70.96	36.5	\$ 2,590.04
Laborer Foreman	Demo, rvm, dispose plaster ceiling/wall	\$ 74.19	16.0	\$ 1,187.04
				\$ -
				\$ -
<b>Materials</b>				<b>\$ 146.63</b>
<b>Atomic</b>	Roll-off dumpster	\$ 293.25	0.5	\$ 146.63
				\$ -
				\$ -
				\$ -
				\$ -
<b>Equipment</b>				<b>\$ -</b>
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
<b>Subcontractors</b>				<b>\$ -</b>
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -

**Subtotal \$ 6,513.75**

<b>Labor Markup</b>	<b>\$ 636.71</b>
<b>Materials Markup</b>	<b>\$ 14.66</b>
<b>Equipment Markup</b>	<b>\$ -</b>
<b>Subcontractor Markup</b>	<b>\$ -</b>
<b>Grand Total</b>	<b>\$ 7,165.12</b>

### COMMENTS

Ceiling demo 1st Floor Area M = 1,054 SF, Wall demo 1st Floor Area M = 88 SF, Ceiling demo Basement Area M



Portable Sanitation & Climate Control  
1.800.210.8407 | onsiteco.com | sales@onsiteco.com

Basement

2 days  
2 people

32 hours



Portable Sanitation & Climate Control  
1.800.210.8407 | onsiteco.com | sales@onsiteco.com

3 hours

3 people

9 hours

wall

9'9"

9'

Plaster 60"

13'

bill

14'

7'6"

7'



Portable Sanitation & Climate Control  
1.800.210.8407 | onsiteco.com | sales@onsiteco.com

3 days  
2 people

48 hours



Richfield High School Additions and Renovations

Occurrence  
PR #001

COR #

001

		Unit Rate	Units	Subtotal
Labor				\$ 67.38
Laborer	Demo, rvm, dispose add'l conc. M5.201	\$ 67.38	1	\$ 67.38
				\$ -
				\$ -
				\$ -
				\$ -
Materials				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Equipment				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Subcontractors				\$ 15,906.00
Weidners	Multiple scope changes			\$ 15,906.00
				\$ -
				\$ -

Subtotal	\$ 15,973.38
Labor Markup	\$ 6.74
Materials Markup	\$ -
Equipment Markup	\$ -
Subcontractor Markup	\$ 795.30
Grand Total	\$ 16,775.42

COMMENTS

None



29 Wilson Ave NE, St Cloud MN 56304

TO: LS BLACK  
 ATTN: JUSTIN RICE  
 PROJECT: RICHFIELD HIGH SCHOOL

DATE: May 15, 2019

CO# : PR 1

CONTACT NAME: DAN & ADAM GOEBEL

### COST SUMMARY

Description	Cost
Labor Total	\$ 3,236.04
10 % Overhead & Profit	\$ 323.60
<b>Labor Total</b>	<b>\$ 3,559.64</b>
Materials & Equipment Total	\$ 9,332.30
Tax on Materials & Equipment Only	\$ 688.72
SubTotal	\$ 10,021.02
10% Overhead & Profit	\$ 1,002.10
<b>Material &amp; Equipment Total</b>	<b>\$ 11,023.13</b>
Subcontractors	\$ 1,260.00
5% Overhead & Profit on Subs	\$ 63.00
<b>Subcontractor Total</b>	<b>\$ 1,323.00</b>
<b>TOTAL COST OF CHANGE</b>	<b>\$ 15,906.00</b>

Labor By Task	Hours	Hourly Cost	Total Cost
			\$ -
LABOR	35.6	\$ 90.90	\$ 3,236.04
			\$ -
<b>Sub-Total</b>			<b>\$ 3,236.04</b>
Materials and Equipment By Task			Total Cost
SEE ATTACHED FOR BREAKDOWN			\$ 9,332.30
<b>Sub-Total</b>			<b>\$ 9,332.30</b>
Sub-Contractor			Total Cost
			\$ -
INSULATION			\$ 1,260.00
			\$ -
<b>Sub-Total</b>			<b>\$ 1,260.00</b>

CREDIT - 5 - 2" FITTINGS NH (16.83 EACH)	-84.15
CREDIT - 40' - 2" NH PIPE (11.42 PER FOOT)	-456.80
CREDIT - 11 - 2" NH BANDS (3.00 EACH)	-33.00
5 - 4" FITTINGS NH (34.74E ACH)	173.70
40' - 4" NH PIPE (20.47 PER FOOT)	818.80
11 - 4" NH BANDS (4.24 EACH)	46.64
CREDIT - 5 - 6" FITTINGS NH (84.06 EACH)	-420.30
CREDIT - 40' - 6" NH PIPE (35.17 PER FOOT)	-1,406.80
CREDIT - 14 - 6" NH BANDS (22.10 EACH)	-309.40
3 - 8" FITTINGS NH (236.34 EACH)	709.02
30' - 8" PIPE NH ( 54.80 EACH)	1,644.00
9 - 8" NH BANDS (45.58 EACH)	410.22
2 - 10" FITTINGS NH (472.41 EACH)	944.82
10' - 10" PIPE NH (93.06 EACH)	930.60
6 - 10" NH BANDS (58.58 EACH)	351.48
2 - 2" FITTINGS NH (16.83 EACH)	33.66
10' - 2" PIPE NH (11.42 PER FOOT)	114.20
6 - 2" NH BANDS (3.00 EACH)	18.00
CREDIT - 84' - 3/4" COPPER PIPE (2.26 EACH)	-189.84
224' - 1" COPPER PIPE (3.25 PER FOOT)	728.00
2 - 1" BALL VALVES (53.14 EACH)	106.28
1 - 1" BALANCING VALES (54.00 EACH)	54.00
CREDIT - 2 - 4" PVC FITTINGS (10.75 EACH)	-21.50
CREDIT - 25' - 4" PVC PIPE (2.24 PER FOOT)	-56.00
2 - 6" PVC FITTINGS (33.72 EACH)	67.44
25' - 6" PVC PIPE (4.19 PER FOOT)	104.75
2 - 8" PVC FITTINGS (45.36 EACH)	90.72
25' - 8" PVC PIPE (6.51 PER FOOT)	162.75
6 - 2" PVC FITTINGS (1.65 EACH)	9.96
20' - 2" PVC PIPE (1.65 PER FOOT)	33.00
1 - FLOOR DRAIN 2 (79.64 EACH)	79.64
1 - FLOOR CLEANOUT (107.41 EACH)	107.41
CREDIT - SP2 (ORIGINAL)	-13,503.00
1 - SPS (NEW)	18,074.00
<b>TOTAL</b>	<b>9,332.30</b>



## PROPOSAL REQUEST

ISD #280 – Richfield Public Schools	Richfield High School
LS Black Constructors	Attn: Justin Rice
1959 Sloan Place, Suite 220	
Saint Paul, Minnesota 55117	
651-774-8445	651-774-9695
rdew@lsblack.com	

Submit an itemized (labor and material) quotation for the proposed modifications to the contract documents as described herein within 21 days of receipt. If a cost is not submitted within 21 days, this Proposal Request can be accepted at no additional cost. Written approval is required prior to proceeding with this change.  COST EXPECTATIONS: <input type="checkbox"/> DEDUCT <input type="checkbox"/> NO COST <input checked="" type="checkbox"/> ADD	PR: #001
	Comm: #172297
	Const. Pkg: #

### Distribution:

- ☒ Dan Kretsinger, 280
- ☐ Rick Regnier, Richfield
- ☒ Andy Faulker, ICS
- ☒ Taylor Rugroden, ICS
- ☒ Dave Phillips, ICS
- ☐ Chris Ghormley, AJA
- ☐ Matt Ricker, BKBM
- ☐ Alex Smith, BKBM
- ☒ John Dunne, Rippe
- ☐ Abdual Ganamo, Wold
- ☐ N. M.-Alquicira, Wold
- ☒ Ryan Charlton, Wold
- ☒ Joe Matlock, Wold
- ☒ Jim Gausman, Wold
- ☒ Michael Klass, Wold
- ☒ John Kretchmer, Wold

Item	Description
1.0	<b>Plumbing Review Response.</b> Item decimal number corresponds to MN DLI Code Review letter reference <b>PB-R1902-0186</b> .
1.4	Reissue M1.00m: 6-inch SD changed to 10-inch size near grid XAC-X05.
1.5	Reissue M1.UGm. SD at grid X10-XAB changed to 6-inch size from 4-inch Reissue M1.UGn. SD at grid X15-XQQ changed to 8-inch size from 6-inch
1.8	Reissue M8.202: Sump Pump SP-2 has two redundant pumps and an alternator.
1.10	Reissue M1.00fA and M7.101: Standpipe and downstream piping changed from 2-inch size to 4-inch near grid AAA.5-X25.
1.12	Reissue M5.202 and M7.110: Change size of vent pipe from 3-inch size to 4-inch near grid XS.5-X11.
1.13	On sheets M5.202 and M7.110: Change size of vent pipe from 2-inch size to 3-inch near grid XS-X11.
1.14	Reissue sheet M7.102 Change 2-inch size SS to 3-inch serving five P-8 fixtures on detail F1.
1.19	Reissue M5.201. Add tell-tale floor drain at P-
1.20	Reissue M5.201, M5.202, & M7.110: Add 2-inch vent pipe to grease interceptor discharge line.
1.22	Reissue M1.103c, M1.103h, M7.101, M7.102, M7.107, M7.108, & M8.204: Drawings revised to show 1-inch HW and 1-inch CW supply piping to mixing valves at P-10 emergency eyewash/shower fixtures.

Attachments: M1.UGm, M1.00fA, M1.00m, M1.103c, M1.103h, M5.201, M5.202, M7.101, M7.102, M7.107, M7.108, M7.110, M8.202, M8.204, C.51, Laundry Machines

Issued By: Jim Gausman

Date: 4/30/2019

**Wold Architects and Engineers**  
332 Minnesota Street, Suite W2000  
Saint Paul, MN 55101  
woldae.com | 651 227 7773

**PLANNERS  
ARCHITECTS  
ENGINEERS**



MN

M

# Richfield High School Additions and Renovations

7001 Harriet Avenue  
Richfield, Minnesota 55423

## Independent School District #280

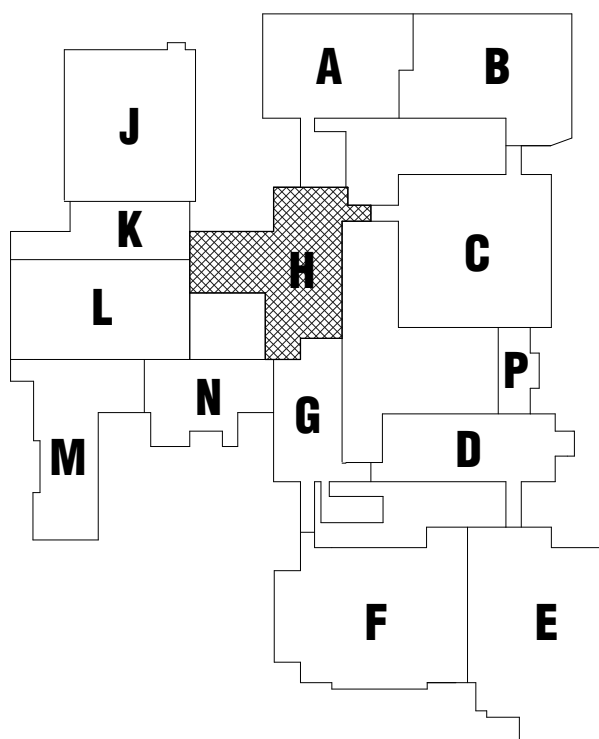
7001 Harriet Avenue  
Richfield, Minnesota 55423

Wold

### WOLD ARCHITECTS AND ENGINEERS

332 Minnesota Street, Suite W2000  
Saint Paul, MN 55101

woldac.com | 651 227 7773



#### KEY PLAN

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 MINNESOTA

under the laws of the State of MINNESOTA

Signature: Kevin Marshall

License Number: KEVIN MARSHALL 23989 Date: 1/22/2019

Revisions

Description	Date	Num
ADDENDUM #2	2/12/19	1
PR #001	04/30/2019	2

Comm: 172297

Date: 1/22/2019

Drawn: ZW

Check: JC

North

## SECOND FLOOR DEMOLITION PLAN - AREA 'H'

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

M0.02h

#### DEMOLITION PLAN GENERAL NOTES:

1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXISTING PIPING, COMPONENTS, VALVES, CONTROLS, HANGERS AND SUPPORTS.

2. ALL EXISTING SERVICES SHALL BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE INDICATED ON THE PLANS. COORDINATE DISRUPTION OF SERVICES WITH OWNER TO PROVIDE AN ACCEPTABLE TIME FOR DOWN TIME.

3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF EXISTING CONSTRUCTION UNLESS OTHERWISE NOTED ON PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.

4. THE MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING CEILING TILES AND GRIDS AS REQUIRED FOR INSTALLATION OF NEW WORK. ANY DAMAGED TILES AND OR GRIDS SHALL BE REPLACED WITH NEW TO MATCH AT THE CONTRACTORS EXPENSE.

5. THE MECHANICAL CONTRACTOR SHALL REMOVE ALL SYSTEMS SHOWN BOLD AND DASHED. ALL SYSTEMS NOT SHOWN BOLD AND DASHED SHALL REMAIN.

6. PATCH AND REPAIR OPENINGS THROUGH WALLS AND FLOORS WHERE MECHANICAL SYSTEMS WERE REMOVED TO MATCH EXISTING AND TO MAINTAIN FIRE RATING. WALL FINISHED BY OTHERS.

7. REFER TO THE ARCHITECTURAL PHASING PLAN FOR PHASING AND SEQUENCE. COORDINATE WORK TO MINIMIZE SYSTEM SHUT DOWNS AND TO KEEP SYSTEMS SERVING OCCUPIED AREAS ACTIVE.

#### DEMOLITION PLAN KEYED NOTES:

1. REMOVE EXISTING UNDERGROUND PIPING SHOWN. FLOOR SAW CUTTING AND PATCHING BY OTHERS. CAP PIPING BELOW FLOOR IF NOT TO BE RE-USED.

2. REMOVE EXISTING COOLING TOWER AND ALL ASSOCIATED PIPING, COMPONENTS, VALVES, CONTROLS, HANGERS AND SUPPORTS.

3. REMOVE EXISTING STEAM SUPPLY/CONDENSATE PIPING SHOWN AND ALL ASSOCIATED VALVES, TRAPS, HANGERS AND SUPPORTS.

4. REMOVE EXISTING FINNED-TUBE RADIATION AND ALL ASSOCIATED PIPING, VALVES, CONTROLS, HANGERS AND SUPPORTS.

5. REMOVE EXISTING CONVECTOR/UNIT HEATER/CABINET UNIT HEATER INDICATED AND ALL ASSOCIATED PIPING, COMPONENTS, VALVES, CONTROLS, HANGERS AND SUPPORTS, TO THE EXTENT INDICATED ON THE PLANS.

6. SALVAGE EXISTING GRILLE FOR RE-INSTALLATION.

7. REMOVE EXISTING DUCTWORK, DAMPERS, HANGERS AND SUPPORTS. EXISTING GRILLES TO REMAIN FOR RE-CONNECTION.

8. REMOVE EXISTING UNIT VENTILATOR AND ALL ASSOCIATED DAMPERS, ACTUATORS, SUPPLY/RETURN FAN, RELIEF FAN, PIPING, AND CONTROLS.

9. REMOVE EXISTING VAV BOX INDICATED AND ALL ASSOCIATED PIPING, VALVES, CONTROLS, HANGERS AND SUPPORTS, TO THE EXTENT INDICATED ON THE PLANS. SALVAGE EXISTING VAV FOR RELOCATION.

10. REMOVE EXISTING VAV BOX INDICATED AND ALL ASSOCIATED PIPING, VALVES, CONTROLS, HANGERS AND SUPPORTS, TO THE EXTENT INDICATED ON THE PLANS.

11. REMOVE EXISTING DUCTWORK INDICATED AND ALL ASSOCIATED GRILLES/DIFFUSERS, DAMPERS, HANGERS AND SUPPORTS, TO THE EXTENT INDICATED ON THE PLANS.

12. REMOVE EXISTING GRILLE, REGISTER, OR DIFFUSER, AND ALL ASSOCIATED FLEX DUCT, DUCTWORK, GRILLES, REGISTERS, AND DIFFUSERS, COMPONENTS, AND HANGERS AND SUPPORTS, TO THE EXTENT INDICATED ON THE PLANS.

13. REMOVE EXISTING EXHAUST/TRANSFER FAN AND ALL ASSOCIATED DUCTWORK, DAMPERS, CONTROLS, HANGERS AND SUPPORTS.

14. REMOVE EXISTING THERMOSTAT AND ALL ASSOCIATED WIRING/PNEUMATIC TUBING TO MAIN. PROVIDE STAINLESS STEEL COVER PLATE TO CONCEAL ALL OPENINGS IF OPENING IS NOT TO BE RE-USED OR WALL IS NOT SHOWN TO BE PATCHED BY OTHERS.

15. REMOVE EXISTING CARBON DIOXIDE SENSOR AND ALL ASSOCIATED WIRING TO MAIN. PROVIDE STAINLESS STEEL COVER PLATE TO CONCEAL ALL OPENINGS IF OPENING IS NOT TO BE RE-USED OR WALL IS NOT SHOWN TO BE PATCHED BY OTHERS.

16. REMOVE EXISTING CHILLED WATER SUPPLY/RETURN PIPING SHOWN AND ALL ASSOCIATED VALVES, TRAPS, HANGERS AND SUPPORTS, TO THE EXTENT INDICATED ON THE PLANS.

17. REMOVE EXISTING HEATING WATER SUPPLY/RETURN PIPING SHOWN AND ALL ASSOCIATED VALVES, TRAPS, HANGERS AND SUPPORTS, TO THE EXTENT INDICATED ON THE PLANS.

18. REMOVE EXISTING FAN COIL UNIT AND ALL ASSOCIATED PIPING, VALVES, CONTROLS, DUCTWORK, GRILLES, REGISTERS, AND DIFFUSERS, COMPONENTS, AND HANGERS AND SUPPORTS, TO THE EXTENT INDICATED ON THE PLANS.

19. REMOVE EXISTING PLUMBING FIXTURE INDICATED. EXISTING SUPPLY, WASTE, AND VENT TO BE RE-USED. MODIFY/EXTEND EXISTING PIPING AS REQUIRED FOR INSTALLATION OF NEW FIXTURE.

20. REMOVE EXISTING PLUMBING FIXTURE AND ALL ASSOCIATED DOMESTIC WATER PIPING, WASTE AND VENT PIPING, GAS PIPING, COMPONENTS, HANGERS AND SUPPORTS, TO THE EXTENT INDICATED ON THE PLANS.

21. REMOVE EXISTING DOMESTIC COLD/HOT/CIRCULATING HOT WATER SHOWN AND ALL ASSOCIATED HANGERS AND SUPPORTS. CAP PIPING AT MAIN IF NOT TO BE RE-USED. CAPPED PIPING SHALL BE NO LONGER THAN 3 TIMES THE PIPE DIAMETER.

22. REMOVE EXISTING WASTE/ACID WASTE/VENT/ACID VENT SHOWN AND ALL ASSOCIATED HANGERS AND SUPPORTS. CAP PIPING AT MAIN IF NOT TO BE RE-USED.

23. FLOOR SAW CUTTING BY OTHERS IN AREA SHOWN TO ACCOMMODATE UNDERGROUND DUCTWORK. COORDINATE EXACT EXTENT OF FLOOR CUTTING REQUIRED.

24. REMOVE EXISTING MINI SPLIT AC SYSTEM AND ALL ASSOCIATED PIPING, COMPONENTS, HANGERS AND SUPPORTS. EVACUATE REFRIGERANT AS REQUIRED FOR REMOVAL.

25. REMOVE EXISTING FUME HOOD SERVICES INDICATED. EXISTING EXHAUST, SUPPLY, WASTE, AND VENT TO BE RE-USED. MODIFY/EXTEND EXISTING PIPING AND DUCTWORK AS REQUIRED FOR INSTALLATION OF NEW FUME HOOD SERVICES.

26. REMOVE EXISTING GAS PIPING SHOWN AND ALL ASSOCIATED HANGERS AND SUPPORTS. CAP PIPING AT MAIN IF NOT TO BE RE-USED.

27. REMOVE EXISTING DUCTWORK INDICATED AND ALL ASSOCIATED GRILLES/DIFFUSERS, DAMPERS, HANGERS AND SUPPORTS. CAP DUCTWORK AT FLOOR.

28. REMOVE EXISTING FLOOR DRAIN AND ASSOCIATED TRAP. MODIFY EXISTING SANITARY PIPING AS REQUIRED FOR RECONNECTION.

29. REMOVE EXISTING CONDENSATE DRAIN SHOWN AND ALL ASSOCIATED HANGERS AND SUPPORTS. CAP PIPING AT MAIN IF NOT TO BE RE-USED.

30. REMOVE EXISTING MOTORIZED DAMPER INDICATED AND ALL ASSOCIATED WIRING/TUBING, CONTROLS, AND COMPONENTS.

31. REMOVE EXISTING STORM DRAIN/OVERFLOW STORM DRAIN PIPING SHOWN AND ALL ASSOCIATED HANGERS AND SUPPORTS.

32. REMOVE EXISTING COMBINED HEATING-CHILLED WATER SUPPLY/RETURN PIPING SHOWN AND ALL ASSOCIATED VALVES, TRAPS, HANGERS AND SUPPORTS, TO THE EXTENT INDICATED ON THE PLANS.

33. REMOVE EXISTING TANKLESS WATER HEATER AND ALL ASSOCIATED COMPONENTS. DISCONNECT FROM DOMESTIC WATER PIPING FROM TANKLESS WATER HEATER AND MODIFY PIPING FOR RECONNECTION.

34. REMOVE EXISTING PNEUMATIC ACTUATOR, TUBING, AND CONTROLS.

35. EXISTING PIPING TO BE CAPPED AND ABANDONED IN WALL/FLOOR.

36. SALVAGE EXISTING FINNED-TUBE RADIATION ENCLOSURE FOR RE-USE.

37. REMOVE EXISTING CONDENSING UNIT AND ASSOCIATED REFRIGERANT PIPING, VALVES, AND CONTROLS. EVACUATE REFRIGERANT AS REQUIRED FOR REMOVAL.

38. REMOVE EXISTING WALL WINDOW A/C UNIT AND ASSOCIATED COMPONENTS.

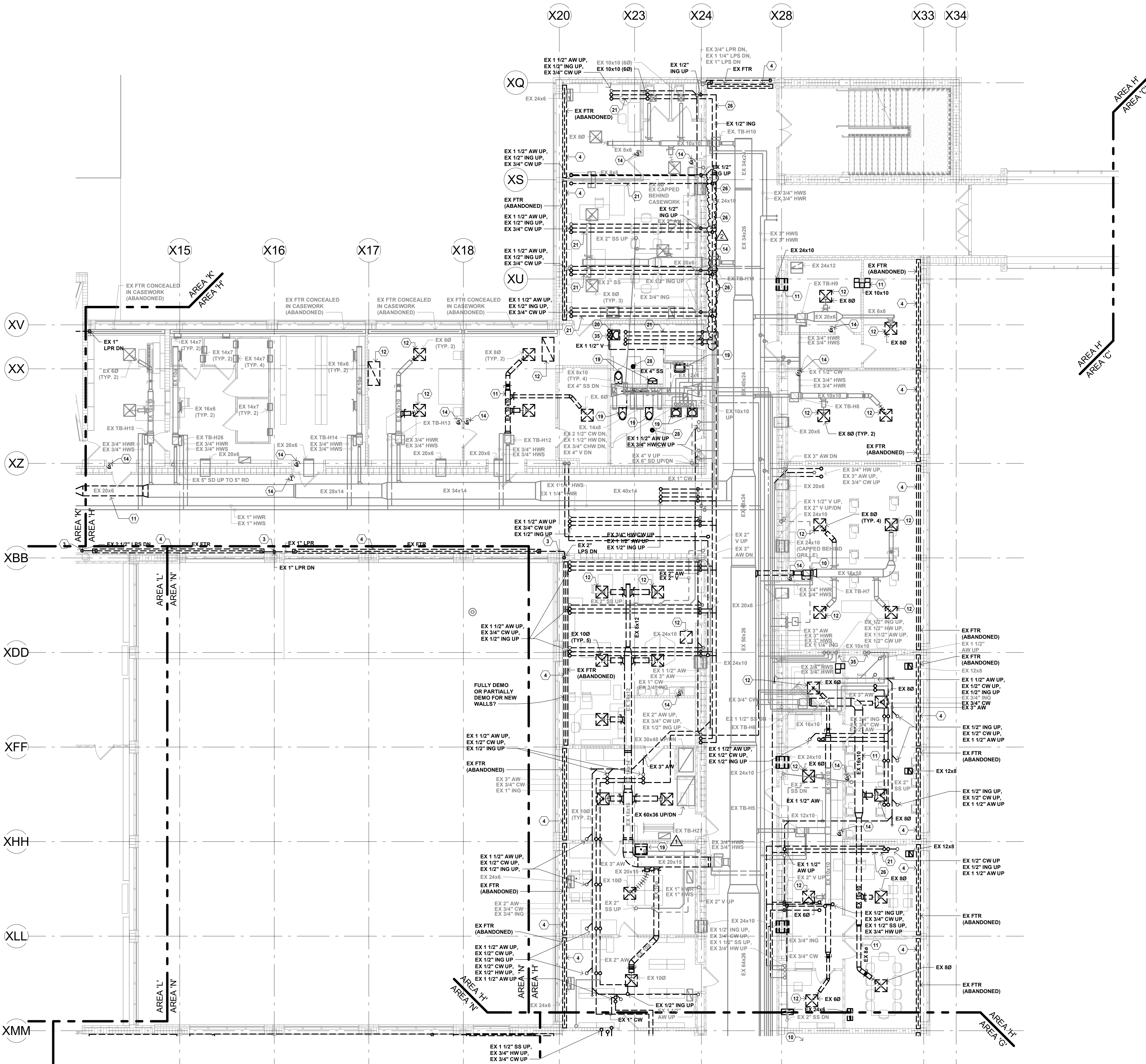
39. REMOVE EXISTING SEWAGE EJECTOR PUMPS AND ASSOCIATED ABOVE GROUND PIPING AND CONTROLS. EXISTING BASIN TO REMAIN FOR RE-USE.

40. EXISTING RELIEF HOOD TO BE MODIFIED FOR REUSE AS INTAKE HOOD. REMOVE EXISTING DRIP PAN, BACKDRAFT DAMPER, AND DUCTWORK. SALVAGE MOTORIZED DAMPER FOR REUSE.

41. REMOVE EXISTING FIRE DAMPER AND ASSOCIATED DUCTWORK.

42. REMOVE EXISTING GREASE INTERCEPTOR AND ALL ASSOCIATED COMPONENTS.

43. SALVAGE EXISTING PLUMBING FIXTURE AND TURN OVER FIXTURE TO OWNER. REMOVE ALL ASSOCIATED DOMESTIC WATER PIPING, WASTE, VENT PIPING, AND HANGERS AND SUPPORTS TO THE EXTENT INDICATED ON THE PLANS.



F1 SECOND FLOOR DEMOLITION PLAN - AREA 'H'  
1/8" = 1'-0"

Richfield High School Additions and Renovations

7001 Harriet Avenue  
Richfield, Minnesota 55423

Independent School District #280

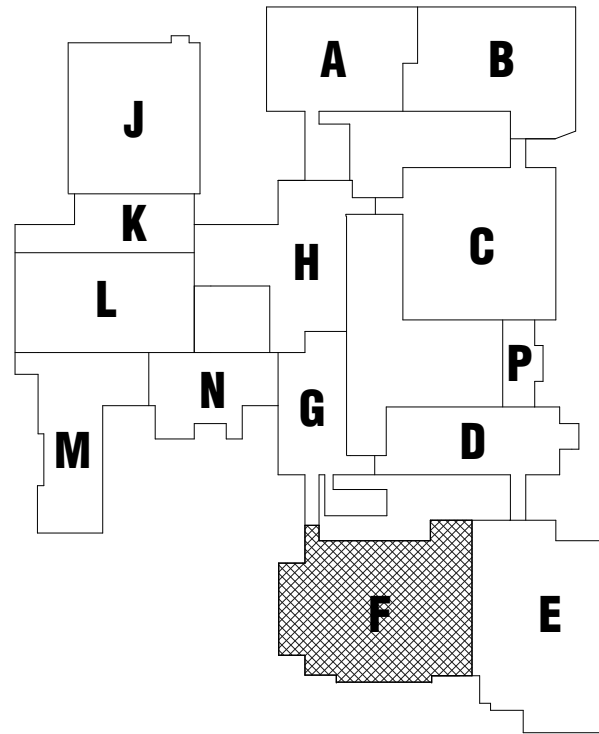
7001 Harriet Avenue  
Richfield, Minnesota 55423

Wold

WOLD ARCHITECTS AND ENGINEERS

332 Minnesota Street, Suite W2000  
Saint Paul, MN 55101

woldac.com | 651.227.7773



KEY PLAN

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 MINNESOTA

under the laws of the State of Minnesota

License Number: KEVIN MARSHALL 23989 Date: 1/22/2019

Description	Revisions	Date	Num
ADDENDUM #2		2/12/19	1
PR #001		04/30/2019	2

Comm: 172297  
Date: 1/22/2019  
Drawn: NRN  
Check: JC  
North

BASEMENT FLOOR PLUMBING PLAN - AREA 'F' - ALTERNATE #2

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

M1.00fA

PLUMBING PLAN GENERAL NOTES:

1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.
2. ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.
6. INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.
7. THE MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING CEILING TILES AND GRIDS AS REQUIRED FOR INSTALLATION OF NEW WORK. ANY DAMAGED TILES AND/OR GRIDS SHALL BE REPLACED WITH NEW TO MATCH AT THE CONTRACTORS EXPENSE.
8. REFER TO PLUMBING RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.
9. PROVIDE AND INSTALL ALL LOW VOLTAGE WIRING TO ELECTRONIC PLUMBING FIXTURES IN A CONTINUOUS RACEWAY SYSTEM TO CONFORM TO ALL DIVISION 26 REQUIREMENTS. WORK TO INCLUDE TRANSFORMERS AS NECESSARY FOR THE CONNECTED QUANTITY OF FIXTURES, WIRING, CONDUIT, JUNCTION BOXES, AND FINAL CONNECTIONS. THE ELECTRICAL CONTRACTOR WILL PROVIDE 200 VOLT POWER AND CONNECTIONS TO LINE VOLTAGE SIDE OF THE TRANSFORMER. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
10. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED REINFORCEMENT OF NEW AND EXISTING STRUCTURAL MEMBERS FOR MECHANICAL SYSTEMS. REFER TO MECHANICAL SUPPORT REINFORCEMENT DETAIL FOR ADDITIONAL REQUIREMENTS.
11. REFER TO THE ARCHITECTURAL PHASING PLAN FOR PHASING AND SEQUENCE REQUIREMENTS. COORDINATE WORK TO MINIMIZE SYSTEM SHUT DOWNS AND TO KEEP SYSTEMS SERVING OCCUPIED AREAS ACTIVE.

PLUMBING PLAN KEYED NOTES:

1. FLOOR CUTTING AND PATCHING IN AREA INDICATED BY OTHERS. COORDINATE EXTENTS REQUIRED WITH OTHER TRADES.
2. BALANCE TO INDICATED GPM.
3. ROUTE ACID WASTE/ACID VENT AND DOMESTIC COLD/HOT/CIRCULATING HOT WATER BEHIND CASEWORK. REFER TO ARCHITECTURAL PLANS FOR CASEWORK DETAILS.
4. ROUTE ACID WASTE AND DOMESTIC COLD/HOT WATER BEHIND THE CASEWORK WITH IN THE FURRED WALL.
5. PROVIDE WASTE AND WATER CONNECTIONS TO FUMEHOOD. THE FUMEHOOD FIXTURES ARE PROVIDED BY THE FUMEHOOD MANUFACTURER. RECEIVE ALL LOOSE SHIPPED COMPONENTS AND FIELD ASSEMBLE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND GUIDELINES. PROVIDE WATER STOPS, SUPPLIES, AND ACID WASTE TRAPS AS NECESSARY FOR FINAL CONNECTIONS.
6. AREA INDICATED IS A RETURN AIR PLENUM. REFER TO SPECIFICATION 22.66.00 FOR ALLOWED ACID WASTE AND VENT MATERIAL.
7. COORDINATE LOCATION OF VALVES, AND ACCESS PANEL WITH OTHER TRADES PRIOR TO INSTALLATION. ALL VALVES SHALL BE FULL ACCESSIBLE FOR SERVICE AND MAINTENANCE.
8. TRANSITIONS FROM ACID WASTE PIPING TO STANDARD SANITARY PIPING FOR FUTURE CONNECTION TO NEUTRALIZING BASIN.
9. FLOOR HEIGHT IN THIS AREA BEING RAISED BY OTHERS. ROUTE NEW PIPING ABOVE EXISTING FLOOR PER UNDERGROUND PIPING SPECIFICATIONS AND COORDINATE WORK WITH ALL OTHER TRADES.
10. PROVIDE 18 GAUGE METAL ENCLOSURE TO CONCEAL PIPING.
11. ROUTE PIPING AS HIGH AS POSSIBLE BETWEEN JOISTS. COORDINATE PIPING ROUTE WITH STRUCTURAL.
12. SUMP PUMP BASIN IS WRAPPED WITH A STRUCTURAL STEEL SLEEVE. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL PIPE PENETRATION THROUGH THE SLEEVE. COORDINATE INSTALLATION WITH ALL OTHER TRADES.
13. PROVIDE RPZ WITH 3/4" THREADED CONNECTIONS. COORDINATE EXACT LOCATION OF RPZ WITH OWNER PRIOR TO INSTALLATION.

X25  
X29  
X31  
XDDD  
XEEE

F7  
1/8" = 1'-0"

F1  
1/8" = 1'-0"



MN

M

Richfield High School Additions and Renovations

7001 Harriet Avenue  
Richfield, Minnesota 55423

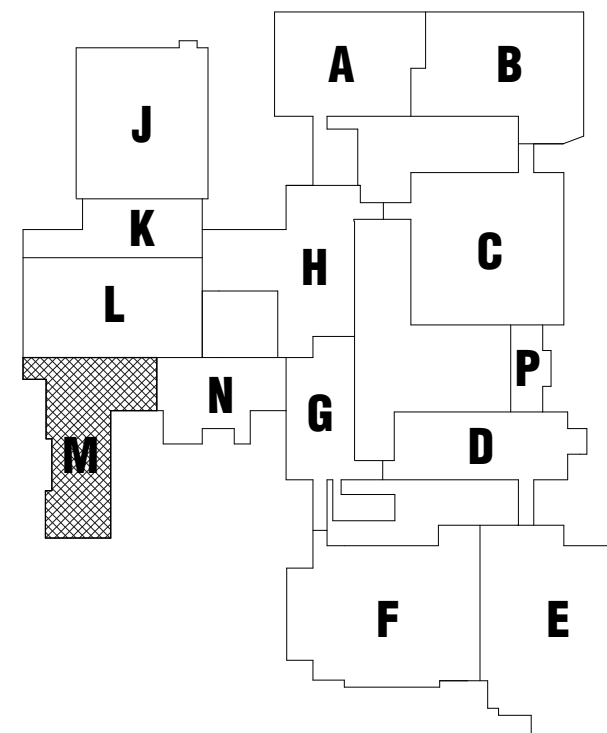
Independent School District #280

7001 Harriet Avenue  
Richfield, Minnesota 55423



WOLD ARCHITECTS  
AND ENGINEERS  
332 Minnesota Street, Suite W2000  
Saint Paul, MN 55101

woldac.com | 651 227 7773



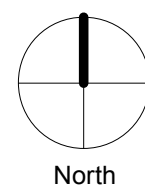
KEY PLAN

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.

License Number: 23989 Date: 1/22/2019

Description	Revisions	
	Date	Num
ADDENDUM #1	2/6/19	1
PR #001	04/30/2019	2

Comm: 172297  
Date: 1/22/2019  
Drawn: NRN  
Check: JC



BASEMENT FLOOR PLUMBING PLAN - AREA 'M'

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

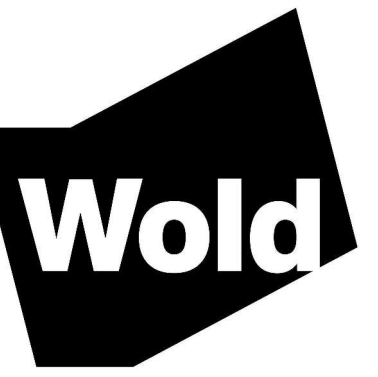
M1.00m

PLUMBING PLAN GENERAL NOTES:

- MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.
- ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
- MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
- COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.
- INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.
- THE MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING CEILING TILES AND GRIDS AS REQUIRED FOR INSTALLATION OF NEW WORK. ANY DAMAGED TILES AND OR GRIDS SHALL BE REPLACED WITH NEW TO MATCH AT THE CONTRACTORS EXPENSE.
- REFER TO PLUMBING RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.
- PROVIDE AND INSTALL ALL LOW VOLTAGE WIRING TO ELECTRONIC PLUMBING FIXTURES IN A CONTINUOUS RACEWAY SYSTEM TO CONFORM TO ALL DIVISION 26 REQUIREMENTS. WORK TO INCLUDE TRANSFORMERS AS NECESSARY FOR THE CONNECTED QUANTITY OF FIXTURES, WIRING, CONDUIT, JUNCTION BOXES, AND FINAL CONNECTIONS. THE ELECTRICAL CONTRACTOR WILL PROVIDE 120V VOLT POWER AND CONNECTIONS TO LINE VOLTAGE SIDE OF THE TRANSFORMER. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED REINFORCEMENT OF NEW AND EXISTING STRUCTURAL MEMBERS FOR MECHANICAL SYSTEMS. REFER TO "MECHANICAL SUPPORT REINFORCEMENT DETAIL" FOR ADDITIONAL REQUIREMENTS.
- REFER TO THE ARCHITECTURAL PHASING PLAN FOR PHASING AND SEQUENCE REQUIREMENTS. COORDINATE WORK TO MINIMIZE SYSTEM SHUT DOWNS AND TO KEEP SYSTEMS SERVING OCCUPIED AREAS ACTIVE.

PLUMBING PLAN KEYED NOTES:

- FLOOR CUTTING AND PATCHING IN AREA INDICATED BY OTHERS. COORDINATE EXTENTS REQUIRED WITH OTHER TRADES.
- BALANCE TO INDICATED GPM.
- ROUTE ACID WASTE/ACID VENT AND DOMESTIC COLD/HOT/CIRCULATING HOT WATER BEHIND CASEWORK. REFER TO ARCHITECTURAL PLANS FOR CASEWORK DETAILS.
- ROUTE ACID WASTE AND DOMESTIC COLD/HOT WATER BEHIND THE CASEWORK WITH IN THE FURRED WALL.
- PROVIDE WASTE AND WATER CONNECTIONS TO FUMEHOOD. THE FUMEHOOD FIXTURES ARE PROVIDED BY THE FUMEHOOD MANUFACTURER. RECEIVE ALL LOOSE SHIPPED COMPONENTS AND FIELD ASSEMBLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND GUIDELINES. PROVIDE WATER STOPS, SUPPLIES, AND ACID WASTE TRAPS AS NECESSARY FOR FINAL CONNECTIONS.
- AREA INDICATED IS A RETURN AIR PLENUM. REFER TO SPECIFICATION 22 66 00 FOR ALLOWED ACID WASTE AND VENT MATERIAL.
- COORDINATE LOCATION OF VALVES, AND ACCESS PANEL WITH OTHER TRADES PRIOR TO INSTALLATION. ALL VALVES SHALL BE FULL ACCESSIBLE FOR SERVICE AND MAINTENANCE.
- TRANSITIONS FROM ACID WASTE PIPING TO STANDARD SANITARY PIPING FOR FUTURE CONNECTION TO NEUTRALIZING BASIN.
- FLOOR HEIGHT IN THIS AREA BEING RAISED BY OTHERS. ROUTE NEW PIPING ABOVE EXISTING FLOOR PER UNDERGROUND PIPING SPECIFICATIONS AND COORDINATE WORK WITH ALL OTHER TRADES.
- PROVIDE 1/8 GAUGE METAL ENCLOSURE TO CONCEAL PIPING.
- ROUTE PIPING AS HIGH AS POSSIBLE BETWEEN JOISTS. COORDINATE PIPING ROUTE WITH STRUCTURAL.
- SUMP PUMP BASIN IS WRAPPED WITH A STRUCTURAL STEEL SLEEVE. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL PIPE PENETRATION THROUGH THE SLEEVE. COORDINATE INSTALLATION WITH ALL OTHER TRADES.
- PROVIDE RP2 WITH 3/4" THREADED CONNECTIONS. COORDINATE EXACT LOCATION OF RP2 WITH OWNER PRIOR TO INSTALLATION.



**PLUMBING PLAN KEYED NOTES:**

- 1 FLOOR CUTTING AND PATCHING IN AREA INDICATED BY OTHERS. COORDINATE EXTENTS REQUIRED BY OTHERS WITH THE OTHER TRADES.
- 2 BALANCE TO INDICATED GPM.
- 3 ROUTE AREA WASTE/EAQ WASTE AND DOMESTIC COLD/HOTWATER/REFLECTING HOT WATER BEHIND CASEWORK. CONSULT FOR ARCHITECTURAL PLANS FOR CASEWORK DETAILS.
- 4 ROUTE AREA WASTE AND DOMESTIC COLD/HOT WATER BEHIND THE CASEWORK WITH IN THE FURNISH.
- 5 PROVIDE WASTE AND WATER CONNECTIONS TO FUMEHOOD. THE FUMEHOOD FIXTURES ARE PROVIDED BY THE OTHER TRADES. PROVIDER RECEIVE ALL LOOSE SHIPPED COMPONENTS AND FIELD ASSEMBLY IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS AND AIAA GUIDELINES. PROVIDE WATER SOPS, SUPPLIES, AND CONNECTIONS AS NECESSARY FOR FINAL CONNECTIONS.
- 6 AREA INDICATED IS A RETURN AIR PLENUM. REFER TO SECTION 22.00 FOR THE ALLOWED AREA WASTE AND VENT MATERIAL.
- 7 COORDINATE LOCATION OF VALVES, AND ACCESS TO OTHER TRADES. PROVIDE ACCESS TO INSTALLATION. ALL VALVES SHALL BE FULL ACCESSIBLE FOR SERVICE AND MAINTENANCE.
- 8 TRANSFER FROM DRAIN PIPING TO STANDARD SANITARY PIPING FOR FUTURE CONNECTION TO NEUTRALIZING BASIN.
- 9 FLOOR HEIGHT IN THIS AREA BEING RAISED BY OTHERS. NEW FLOOR ABOVE EXISTING FLOOR PER UNDERGROUND PIPING SPECIFICATIONS AND COORDINATE WORK WITH ALL OTHER TRADES.
- 10 PROVIDE 18 GAUGE METAL ENCLOSURE TO CONCEAL PIPING.
- 11 ROUTE PIPING AS HIGH AS POSSIBLE BETWEEN JOISTS. CONCEAL PIPING ROUTE WITH STRUCTURAL.
- 12 SUMP PUMP BASIN IS WRAPPED WITH A STRUCTURAL STEEL LAYER. PROVIDE MECHANICAL CONTRACTOR TO UNWRAP AND INSTALL PIPE PENETRATION THROUGH THE SLEEVE. COORDINATE INSTALLATION WITH ALL OTHER TRADES.
- 13 PROVIDE RP2 WITH 3/4" THREADED CONNECTIONS TO EXISTING LOCATIONS. RP2 WITH OWNER PREFERENCE TO INSTALLATION.

## KEY PLAN

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**


**PROFESSIONAL ENGINEER**  
under the laws of the State of **MINNESOTA**

*Eric Marshall*

License  
00000      Exp: 1/03/2010

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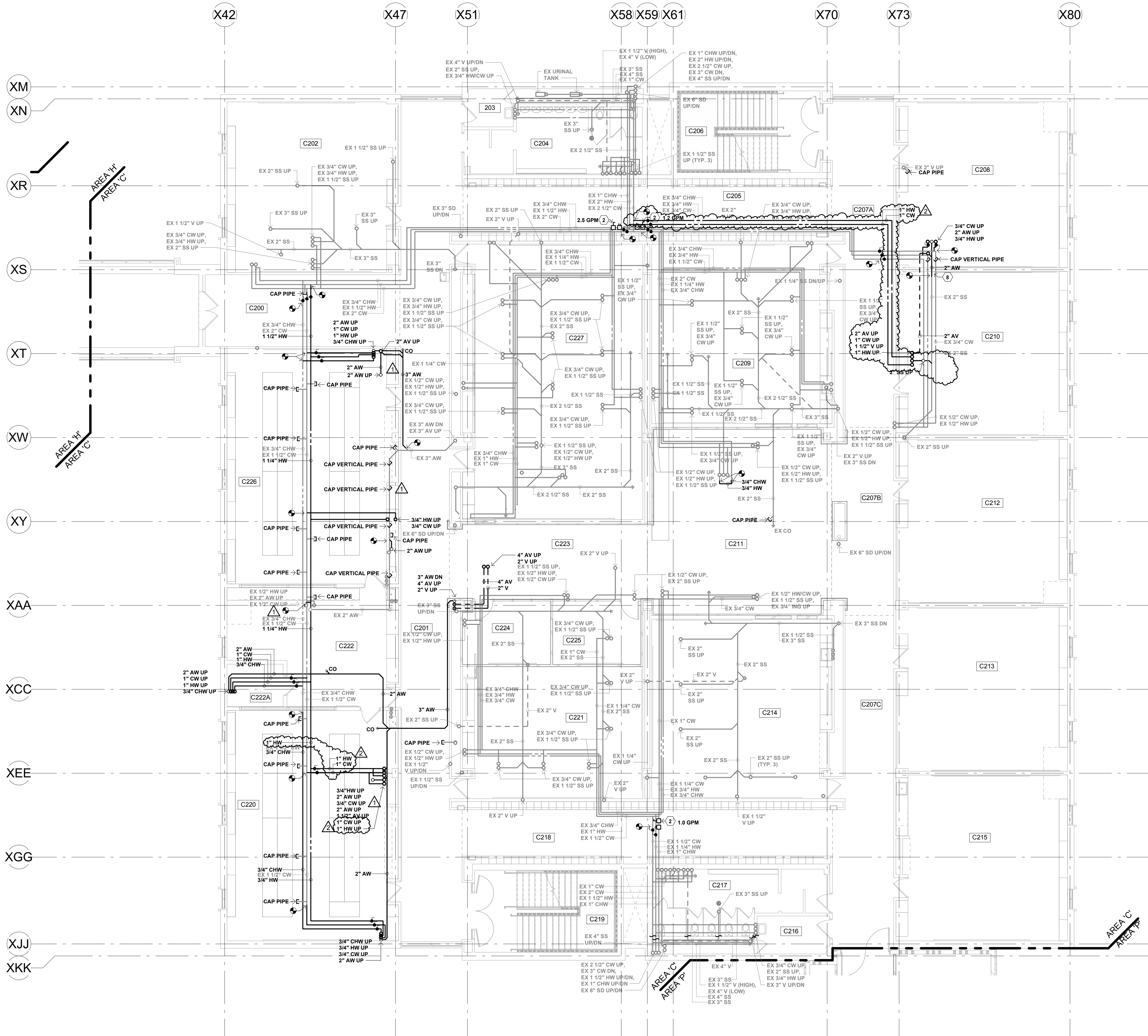
Comm: **172297**  
Date: **1/22/2019**  
Drawn: **NRN**  
Check: **JC**

  
North

## SECOND FLOOR PLUMBING PLAN - AREA 'C'

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

## M1.02c



F1 SECOND FLOOR PLUMBING PLAN - AREA 'C'  
1/8" = 1'-0"

32 Minnesota Street, Suite W/2000  
Saint Paul, MN 55101

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**1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.**

2. ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.

**3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.**

**4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.**

**5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.**

6. INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.

7. THE MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING CEILING TILES AND GRIDS AS REQUIRED FOR INSTALLATION OF NEW WORK. ANY DAMAGED TILES AND OR GRIDS SHALL BE REPLACED WITH NEW TO MATCH AT THE CONTRACTORS EXPENSE.

**8. REFER TO PLUMBING RISER DIAGRAMS FOR  
ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.**

9. PROVIDE AND INSTALL ALL LOW VOLTAGE WIRING TO ELECTRONIC PLUMBING FIXTURES IN A CONTINUOUS RACEWAY SYSTEM TO CONFORM TO ALL DIVISION 26 REQUIREMENTS. WORK TO INCLUDE PLUMBING, ELECTRICAL, AND PLUMBING.

TRANSFORMERS AS NECESSARY FOR THE CONNECTED QUANTITY OF FIXTURES, WIRING, CONDUIT, JUNCTION BOXES, AND FINAL CONNECTIONS. THE ELECTRICAL CONTRACTOR WILL PROVIDE 120/1 VOLT POWER AND CONNECTIONS TO LINE VOLTAGE SIDE OF THE TRANSFORMER. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

10. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED REINFORCEMENT OF NEW AND EXISTING STRUCTURAL MEMBERS FOR MECHANICAL SYSTEMS. REFER TO "MECHANICAL SUPPORT REINFORCEMENT DETAIL" FOR ADDITIONAL REQUIREMENTS.

11. REFER TO THE ARCHITECTURAL PHASING PLAN FOR PHASING AND SEQUENCE REQUIREMENTS. COORDINATE WORK TO MINIMIZE SYSTEM SHUT DOWNS AND TO KEEP SYSTEMS SERVING OCCUPIED AREAS ACTIVE.

- FLOOR CUTTING AND PATCHING IN AREA INDICATED BY OTHERS. COORDINATE EXTENTS WITH OWNER'S TRAFFIC PATTERNS.  
BALANCE TO INDICATED GPM.
- ROUTE ACASE WASTE AND DOMESTIC COLD/HOT/CIRCULATING HOT WATER BEHIND CASEWORK. REFER TO ARCHITECTURAL PLANS FOR MATERIALS.
- ROUTE ACASE WASTE AND DOMESTIC COLD/HOT WATER BEHIND THE CASEWORK WITH IN THE FURNISHMENT.
- PROVIDE WASTE AND WATER CONNECTIONS TO FUMEHOOD. THE FUMEHOOD FIXTURES ARE SUPPLIED BY THE MANUFACTURER. PROVIDER REMOVE ALL LOOSE SHIPPED COMPONENTS AND FIELD ASSEMBLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND GUIDELINES. PROVIDE WATER STOPS, SUPPLIES, AND DRAIN TRAPS AS NECESSARY FOR FINAL CONNECTIONS.
- AREA INDICATED IS A RETURN AIR PLenum. REFER TO SPECIFICATIONS FOR ALLOWED AIR FLOW RATE AND VENT MATERIAL.
- COORDINATE LOCATION OF VALVES, AND ACCESS TO SERVICE VALVE ROOM FOR FUTURE INSTALLATION. ALL VALVES SHALL BE FULL ACCESSIBLE FOR SERVICE AND MAINTENANCE.
- TRAJECTORY OF PIPING TO STANDARD SANITARY PIPING FOR FUTURE CONNECTION TO NEUTRALIZING BASIN.
- FLOOR HEIGHT IN THIS AREA BEING RAISED BY ONE FOOT OVER FINISHED EXISTING FLOOR PER UNDERGROUND PIPING SPECIFICATIONS. COORDINATE WORK WITH ALL OTHER TRADES.
- PROVIDE 18 GAUGE METAL ENCLOSURE TO CONCEAL PIPING.
- ROUTE PIPING AS HIGH AS POSSIBLE BETWEEN JOINTS TO MINIMIZE PIPING RISE WITH STRUCTURAL.
- SUMP PUMP BASIN IS PROVIDED WITH A SLEEVES THROUGH SLAB. PROVIDER HIRE CONTRACTOR TO REPLACE AND INSTALL PIPE PENETRATION THROUGH THE SLEEVE. COORDINATE INSTALLATION WITH ALL OTHER TRADES.
- PROVIDE RP2 WITH 3/4" THREADED CONNECTIONS. COORDINATE WITH THE LOCATION OF RP2 WITH OWNER PRIOR TO INSTALLATION.

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

of the State of MINNESOTA

Alvin Marshall

License: **KEVIN MARSHALL**  
Number: **23989** Date: **1/22/2019**

[illegible]Comm: 172297Date: 1/22/2019

Drawn: NRN

Check: JC North

\_\_\_\_\_

## THIRD FLOOR

## PLUMBING PLAN

## PLUMBING PLAN -

### AREA 'C'

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

— — — — —

# M1 030

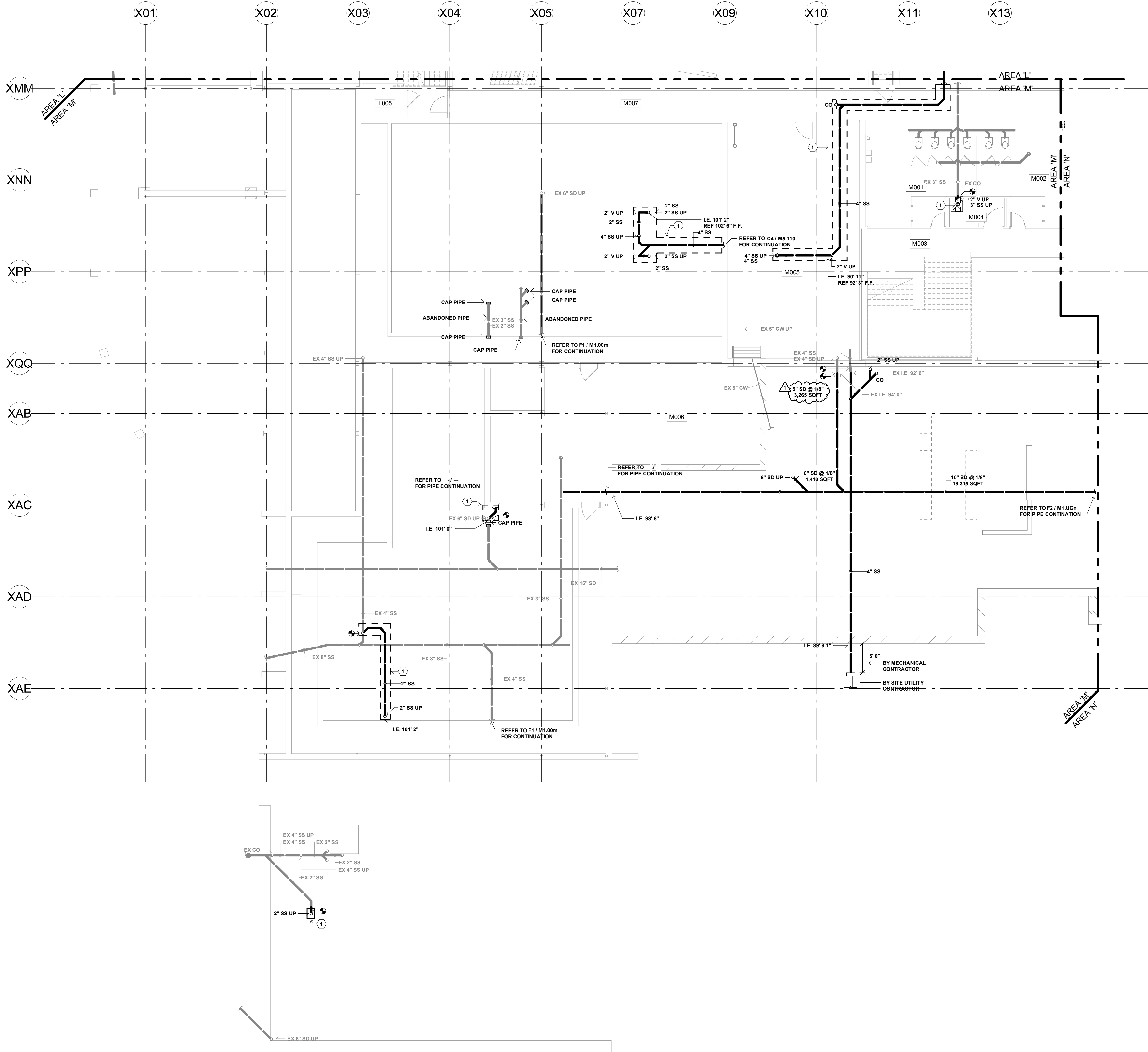
## ML.05C

## INTRODUCTION

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MN



F1 UNDERGROUND PLUMBING PLAN - AREA 'M'  
1/8" = 1'-0"

PLUMBING PLAN GENERAL NOTES:

1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.
2. ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.
6. INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.
7. THE MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING CEILING TILES AND GRIDS AS REQUIRED FOR INSTALLATION OF NEW WORK. ANY DAMAGED TILES AND OR GRIDS SHALL BE REPLACED WITH NEW TO MATCH AT THE CONTRACTORS EXPENSE.
8. REFER TO PLUMBING RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.
9. PROVIDE AND INSTALL ALL LOW VOLTAGE WIRING TO ELECTRONIC PLUMBING FIXTURES IN A CONTINUOUS RACEWAY SYSTEM TO CONFORM TO ALL DIVISION 26 REQUIREMENTS. WORK TO INCLUDE TRANSFORMERS AS NECESSARY FOR THE CONNECTED QUANTITY OF FIXTURES, WIRING, CONDUIT, JUNCTION BOXES, AND FINAL CONNECTIONS. THE ELECTRICAL CONTRACTOR WILL PROVIDE 120V/1 VOLT POWER AND CONNECTIONS TO LINE VOLTAGE SIDE OF THE TRANSFORMER. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
10. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED REINFORCEMENT OF NEW AND EXISTING STRUCTURAL MEMBERS FOR MECHANICAL SYSTEMS. REFER TO "MECHANICAL SUPPORT REINFORCEMENT DETAIL" FOR ADDITIONAL REQUIREMENTS.
11. REFER TO THE ARCHITECTURAL PHASING PLAN FOR PHASING AND SEQUENCE REQUIREMENTS. COORDINATE WORK TO MINIMIZE SYSTEM SHUT DOWNS AND TO KEEP SYSTEMS SERVING OCCUPIED AREAS ACTIVE.

PLUMBING PLAN KEYED NOTES:

1. FLOOR CUTTING AND PATCHING IN AREA INDICATED BY OTHERS. COORDINATE EXTENTS REQUIRED WITH OTHER TRADES.
2. BALANCE TO INDICATED GPM.
3. ROUTE ACID WASTE/ACID VENT AND DOMESTIC COLD/HOT/CIRCULATING HOT WATER BEHIND CASEWORK. REFER TO ARCHITECTURAL PLANS FOR CASEWORK DETAILS.
4. ROUTE ACID WASTE AND DOMESTIC COLD/HOT WATER BEHIND THE CASEWORK WITH IN THE FURRED WALL.
5. PROVIDE WASTE AND WATER CONNECTIONS TO FUMEHOOD. THE FUMEHOOD FIXTURES ARE PROVIDED BY THE FUMEHOOD MANUFACTURER. RECEIVE ALL LOOSE SHIPPED COMPONENTS AND FIELD ASSEMBLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND GUIDELINES. PROVIDE WATER STOPS, SUPPLIES, AND ACID WASTE TRAPS AS NECESSARY FOR FINAL CONNECTIONS.
6. AREA INDICATED IS A RETURN AIR PLENUM. REFER TO SPECIFICATION 22 66 00 FOR ALLOWED ACID WASTE AND VENT MATERIAL.
7. COORDINATE LOCATION OF VALVES, AND ACCESS PANEL WITH OTHER TRADES PRIOR TO INSTALLATION. ALL VALVES SHALL BE FULL ACCESSIBLE FOR SERVICE AND MAINTANCE.
8. TRANSITIONS FROM ACID WASTE PIPING TO STANDARD SANITARY PIPING FOR FUTURE CONNECTION TO NEUTRALIZING BASIN.
9. FLOOR HEIGHT IN THIS AREA BEING RAISED BY OTHERS. ROUTE NEW PIPING ABOVE EXISTING FLOOR PER UNDERGROUND PIPING SPECIFICATIONS AND COORDINATE WORK WITH ALL OTHER TRADES.
10. PROVIDE 18 GAUGE METAL ENCLOSURE TO CONCEAL PIPING.
11. ROUTE PIPING AS HIGH AS POSSIBLE BETWEEN JOISTS. COORDINATE PIPING ROUTE WITH STRUCTURAL.
12. SUMP PUMP BASIN IS WRAPPED WITH A STRUCTURAL STEEL SLEEVE. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL PIPE PENETRATION THROUGH THE SLEEVE. COORDINATE INSTALLATION WITH ALL OTHER TRADES.
13. PROVIDE RPZ WITH 3/4" THREADED CONNECTIONS. COORDINATE EXACT LOCATION OF RPZ WITH OWNER PRIOR TO INSTALLTION.

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Richfield, Minnesota 55423

Independent School District #280

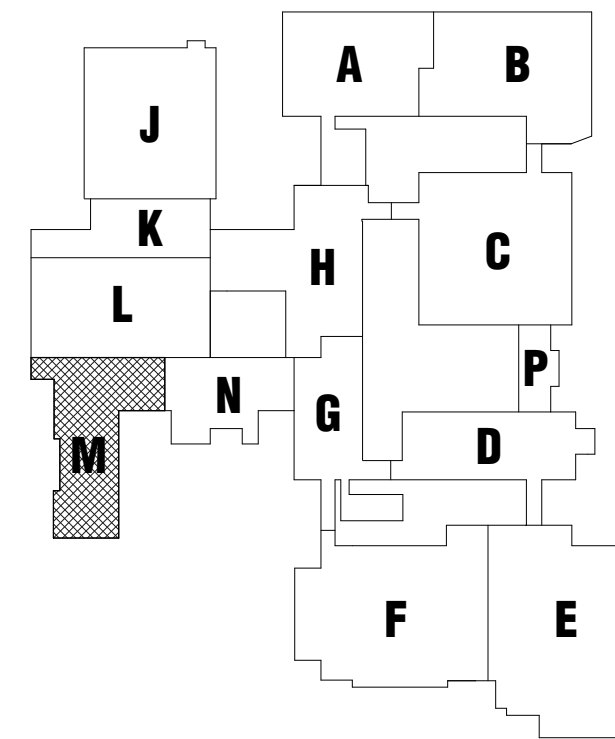
7001 Harriet Avenue  
Richfield, Minnesota 55423



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KEY PLAN

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

Signature: Kevin Marshall

License Number: 23989 Date: 1/22/2019

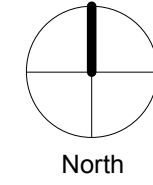
Description	Revisions	
	Date	Num
PR #001	04/30/2019	1

Comm: 172297

Date: 1/22/2019

Drawn: NRN

Check: JC



UNDERGROUND PLUMBING PLAN - AREA 'M'

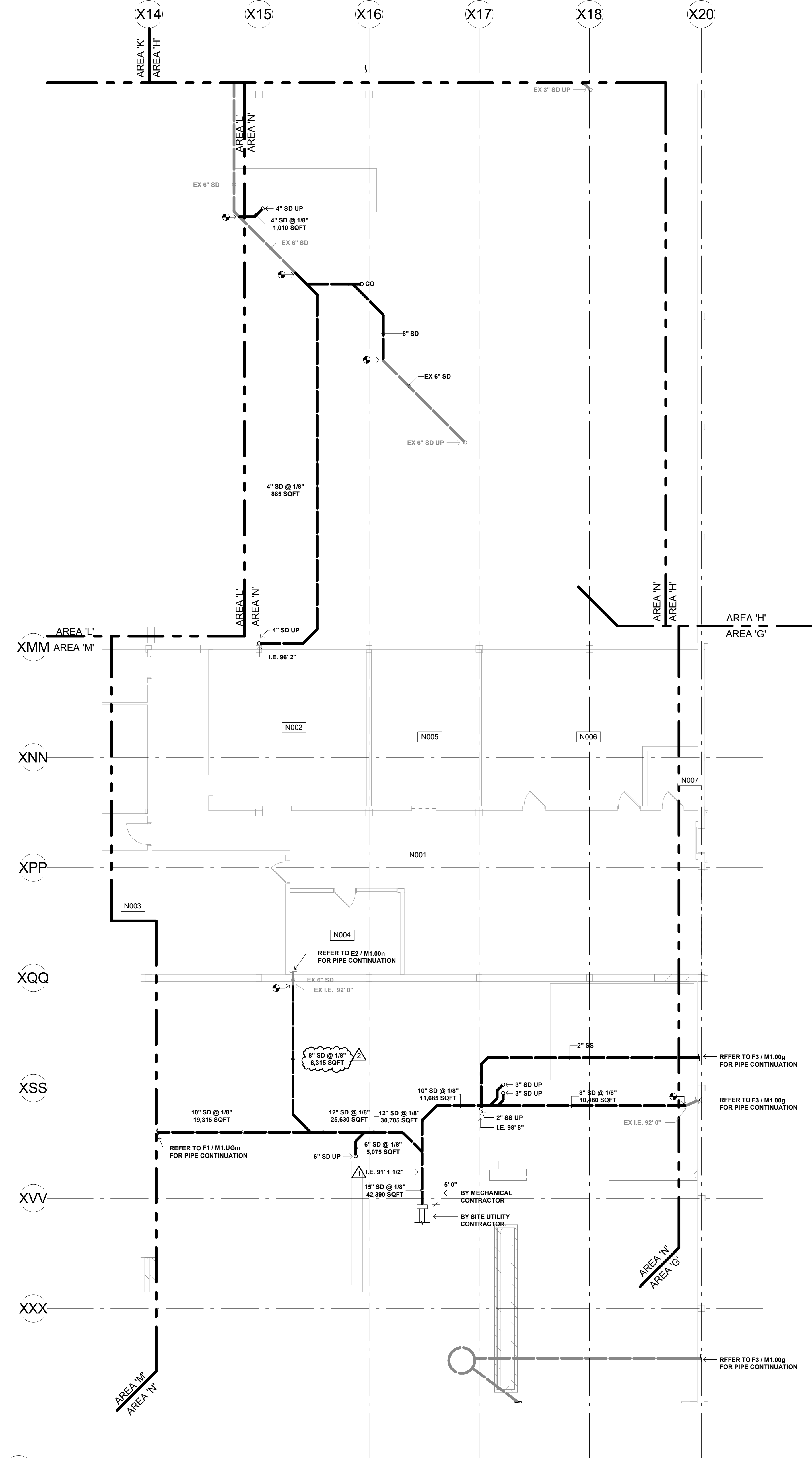
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M1.UGm

MN

M

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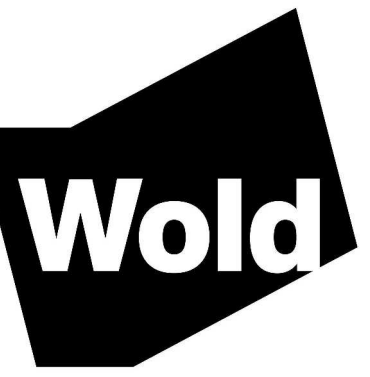


- PLUMBING PLAN GENERAL NOTES:
1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.
  2. ALL RISERS AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
  3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
  4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
  5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.
  6. INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.
  7. THE MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING CEILING TILES AND GRIDS AS REQUIRED FOR INSTALLATION OF NEW WORK. ANY DAMAGED TILES AND OR GRIDS SHALL BE REPLACED WITH NEW TO MATCH AT THE CONTRACTORS EXPENSE.
  8. REFER TO PLUMBING RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.
  9. PROVIDE AND INSTALL ALL LOW VOLTAGE WIRING TO ELECTRONIC PLUMBING FIXTURES IN A CONTINUOUS RACEWAY SYSTEM TO CONFORM TO ALL DIVISION 26 REQUIREMENTS. WORK TO INCLUDE TRANSFORMERS AS NECESSARY FOR THE CONNECTED QUANTITY OF FIXTURES, WIRING, CONDUIT, JUNCTION BOXES, AND FINAL CONNECTIONS. THE ELECTRICAL CONTRACTOR WILL PROVIDE 120V VOLT POWER AND CONNECTIONS TO LINE VOLTAGE SIDE OF THE TRANSFORMER. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
  10. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED REINFORCEMENT OF NEW AND EXISTING STRUCTURAL MEMBERS FOR MECHANICAL SYSTEMS. REFER TO "MECHANICAL SUPPORT REINFORCEMENT DETAIL" FOR ADDITIONAL REQUIREMENTS.
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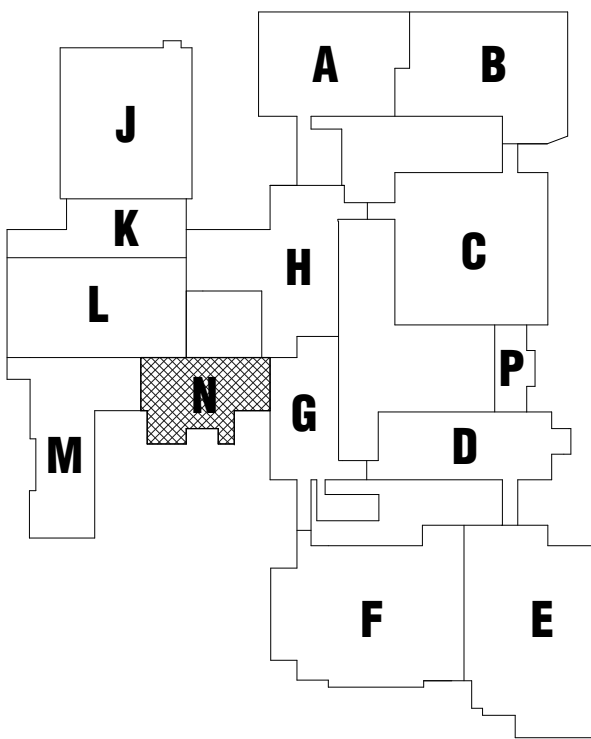
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  2. BALANCE TO INDICATED GPM.
  3. ROUTE ACID WASTE/ACID VENT AND DOMESTIC COLD/NOTCIRCULATING HOT WATER BEHIND CASEWORK. REFER TO ARCHITECTURAL PLANS FOR CASEWORK DETAILS.
  4. ROUTE ACID WASTE AND DOMESTIC COLD/HOT WATER BEHIND THE CASEWORK WITH IN THE FURRED WALL.
  5. PROVIDE WASTE AND WATER CONNECTIONS TO FUMEHOOD. THE FUMEHOOD FIXTURES ARE PROVIDED BY THE FUMEHOOD MANUFACTURER. RECEIVE ALL LOOSE SUPPLIED COMPONENTS AND FIELD ASSEMBLY IN ACCORDENCE WITH MANUFACTURER'S INSTRUCTIONS AND GUIDELINES. PROVIDE WATER STOPS, SUPPLIES, AND ACID WASTE TRAPS AS NECESSARY FOR FINAL CONNECTIONS.
  6. AREA INDICATED IS A RETURN AIR PLENUM. REFER TO SPECIFICATION 22.66.00 FOR ALLOWED ACID WASTE AND VENT MATERIAL.
  7. COORDINATE LOCATION OF VALVES, AND ACCESS PANEL WITH OTHER TRADES PRIOR TO INSTALLATION. ALL VALVES SHALL BE FULL ACCESSIBLE FOR SERVICE AND MAINTANCE.
  8. TRANSITIONS FROM ACID WASTE PIPING TO STANDARD SANITARY PIPING FOR FUTURE CONNECTION TO NEUTRALIZING BASIN.
  9. FLOOR HEIGHT IN THIS AREA BEING RAISED BY OTHERS. ROUTE NEW PIPING ABOVE EXISTING FLOOR PER UNDERGROUND PIPING SPECIFICATIONS AND COORDINATE WORK WITH ALL OTHER TRADES.
  10. PROVIDE 18 GAUGE METAL ENCLOSURE TO CONCEAL PIPING.
  11. ROUTE PIPING AS HIGH AS POSSIBLE BETWEEN JOISTS. COORDINATE PIPING ROUTE WITH STRUCTURAL.
  12. SUMP PUMP BASIN IS WRAPPED WITH A STRUCTURAL STEEL SLEEVE. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL PIPE PENETRATION THROUGH THE SLEEVE. COORDINATE INSTALLATION WITH ALL OTHER TRADES.
  13. PROVIDE RPZ WITH 3/4" THREADED CONNECTIONS. COORDINATE EXACT LOCATION OF RPZ WITH OWNER PRIOR TO INSTALLATION.

Richfield High School Additions and Renovations  
7001 Harriet Avenue  
Richfield, Minnesota 55423

Independent School District #280  
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Richfield, Minnesota 55423



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#### KEY PLAN

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 in the State of Minnesota.

PROFESSIONAL ENGINEER

under the laws of the State of Minnesota

KEVIN MARSHALL

License Number: 23989 Date: 1/22/2019

Description	Revisions	
	Date	Num
ADDENDUM #3	2/19/19	1
PR #001	04/30/2019	2

Comm: 172297  
Date: 1/22/2019  
Drawn: NRN  
Check: JC  
North

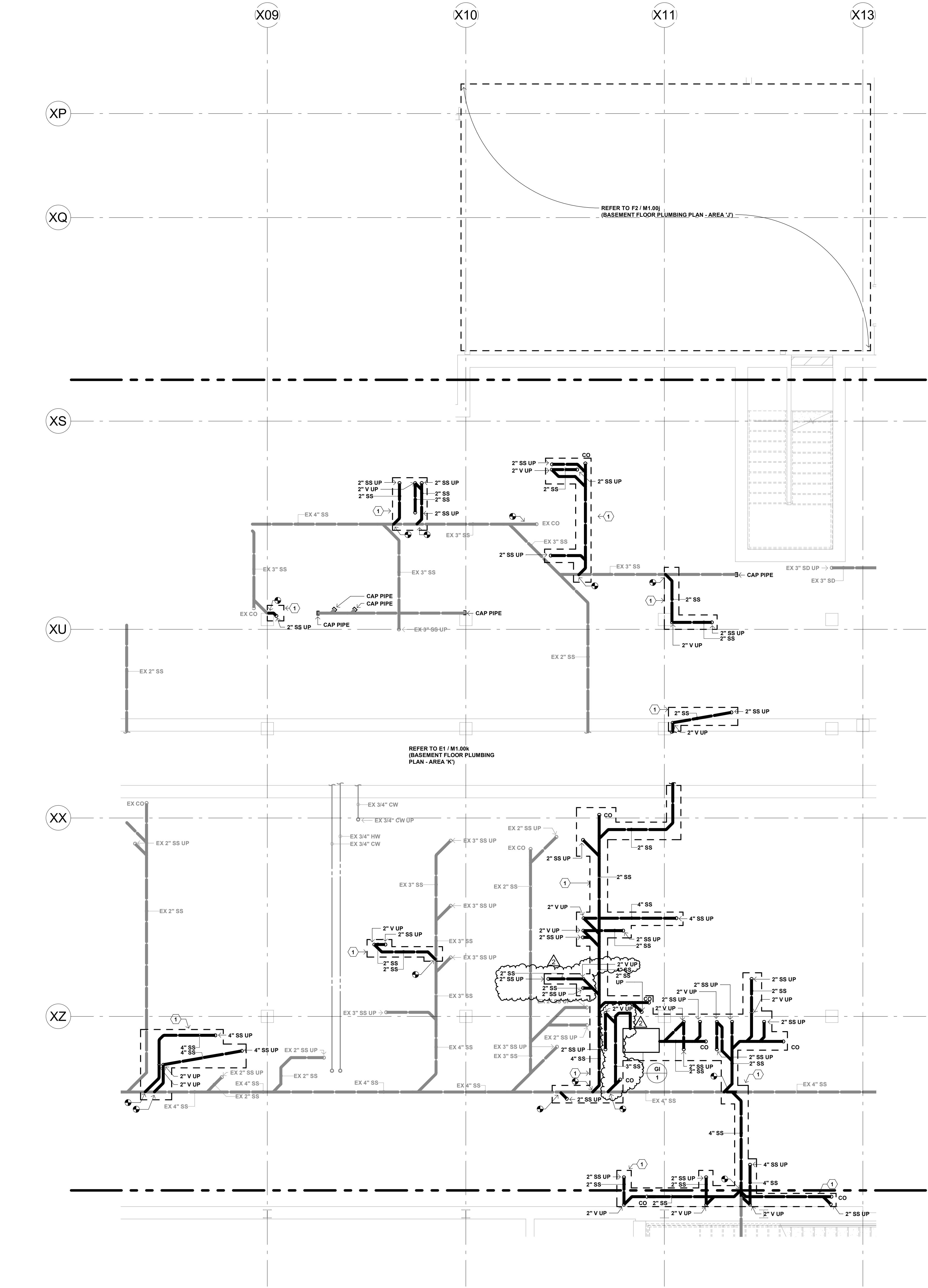
UNDERGROUND PLUMBING PLAN - AREA 'N'

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

M1.UGn

MN

M



F3 MECHANICAL KITCHEN PLAN - UNDERGROUND - AREA 'K'  
1/4" = 1'-0"

KITCHEN PLAN GENERAL NOTES:

1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.
2. ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
3. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURES WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITH OUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
5. REFER TO PLUMBING RISERS DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWINGS.
6. DO NOT LOCATE GAS VALVE ABOVE CEILING.
7. COORDINATE ALL FLOOR DRAIN LOCATIONS WITH FOOD SERVICE CONTRACTOR.
8. ALL PLUMBING LINES SHALL BE ROUTED IN WALLS OR ABOVE CEILING UNLESS SPECIFIED. EXPOSED PIPES SHALL BE INSULATED AND COVERED WITH A SMOOTH PVC JACKET.

KITCHEN PLAN KEYED NOTES:

1. PROVIDE TELL-TAIL FLOOR DRAIN WITHOUT BACKWATER VALVE.
2. REUSE EXISTING PLUMBING FIXTURE AND CONNECT TO NEW PIPING. VERIFY EXISTING MOUNTING HEIGHTS AND CONNECTIONS PRIOR TO INSTALLATION.
3. BALANCE TO INDICATED GPM.

Richfield High School Additions and Renovations

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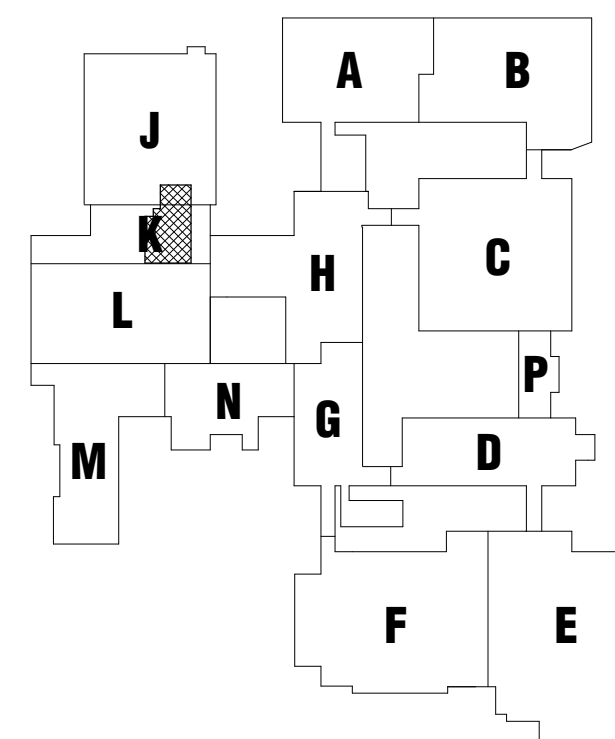
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under the laws of the State of MINNESOTA

KEVIN MARSHALL

License Number: 23989 Date: 1/22/2019

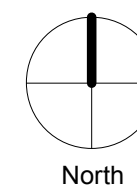
Description	Revisions	Date	Num
ADDENDUM #1		2/6/19	1
PR #001		04/30/2019	2

Comm: 172297

Date: 1/22/2019

Drawn: NRN

Check: JC



MECHANICAL KITCHEN PLAN - UNDERGROUND - AREA 'K'

Scale: As indicated

M5.201

## M

**KITCHEN EQUIPMENT NOTES:**

- MECHANICAL CONTRACTOR SHALL PROVIDE ROUGH AND FINAL CONNECTION FOR EQUIPMENT LISTED ABOVE.
- MECHANICAL CONTRACTOR SHALL REFERENCE ARCHITECTURAL AND KITCHEN EQUIPMENT SUPPLIERS DRAWINGS FOR EXACT ROUGH-IN DIMENSIONS.
- HOODS PROVIDED WITH HEADS INSTALLED AND PIPED, FIRE PROTECTION SPRINKLER CONTRACTOR TO MAKE CONNECTION TO HOODS AND INSTALL FLOW SWITCH.
- MECHANICAL CONTRACTOR TO PROVIDE SODIUM HALIDE GAS SHUT OFF VALVE WHERE INDICATED ON PLAN, FIRE PROTECTION SPRINKLER CONTRACTOR TO PROVIDE ALL WIRING TO CONTROL PANEL.
- HOODS TO HAVE ALL INDIRECT WASTE LINES WITH A TRAP AND AIR GAP AT FLOOR DRAIN, AIR GAP TO BE A MINIMUM OF 2" DIA. OF WASTE.
- GAS QUICK DISCONNECTS TO BE SUPPLIED BY KITCHEN EQUIPMENT SUPPLIER AND INSTALLED BY MECHANICAL CONTRACTOR.
- ALL WATER LINES TO BE VALVED AT ROUGH-IN LOCATIONS TO EQUIPMENT.
- MECHANICAL CONTRACTOR TO MAKE ADJUSTMENTS TO ROUGH-IN LOCATIONS DUE TO BEAMS ETC. AS REQUIRED.
- MECHANICAL CONTRACTOR TO PROVIDE WATER HAMMER ARRESTORS AND PRESSURE REDUCING VALVES AT ALL SODIUM VALVES, DISHWASHER, DISPOSER, ICE MACHINES AND STEAMERS.
- KITCHEN CONTRACTOR SHALL PROVIDE AUTOMATIC MOTORIZED GAS SHUT-OFF VALVE FOR FIRE SUPPRESSION SYSTEM. MECHANICAL CONTRACTOR TO INSTALL SHUT-OFF VALVE. WIRING BY ELECTRICAL CONTRACTOR.
- ALL VACUUM BREAKERS SHALL BE SPLIT RESISTANT PRESSURE TYPE.
- MECHANICAL CONTRACTOR TO PROVIDE BALL VALVE SHUT-OFF VALVES ON INDIRECT LINES AS REQUIRED.
- MECHANICAL CONTRACTOR TO PROVIDE CHECK VALVES ON HOT AND COLD SUPPLY TO MIXING VALVES WHEN EQUIPMENT SUPPLIED BY KITCHEN CONTRACTOR DOES NOT INCLUDE INTERNAL CHECK VALVES.
- REFRIGERATION SYSTEM INCLUDING SUCTION AND LIQUID LINE TO BE PROVIDED AND INSTALLED BY FSFC.
- MECHANICAL CONTRACTOR TO PROVIDE SHUT OFF VALVE NECESSARY GAS STOP FOR GAS PREVENTION DEVICES, PRESSURE REGULATORS, AND ETC. FOR EQUIPMENT INSTALLED ABOVE OF EQUIPMENT INSTALLED ABOVE OF EQUIPMENT CONTROL VALVE, UNLESS OTHERWISE SPECIFIED.

- KITCHEN EQUIPMENT NOTES:**
- MECHANICAL CONTRACTOR SHALL PROVIDE ROUGH AND FINAL CONNECTION FOR EQUIPMENT LISTED ABOVE.
  - MECHANICAL CONTRACTOR SHALL REFERENCE ARCHITECTURAL AND KITCHEN EQUIPMENT SUPPLIERS DRAWINGS FOR EXACT ROUGH-IN DIMENSIONS.
  - HOODS PROVIDED WITH HEADS INSTALLED AND PIPED, FIRE PROTECTION SPRINKLER CONTRACTOR TO MAKE CONNECTION TO HOODS AND INSTALL FLOW SWITCH.
  - MECHANICAL CONTRACTOR TO PROVIDE SODIUM HALIDE GAS SHUT OFF VALVE WHERE INDICATED ON PLAN, FIRE PROTECTION SPRINKLER CONTRACTOR TO PROVIDE ALL WIRING TO CONTROL PANEL.
  - HOODS TO HAVE ALL INDIRECT WASTE LINES WITH A TRAP AND AIR GAP AT FLOOR DRAIN, AIR GAP TO BE A MINIMUM OF 2" DIA. OF WASTE.
  - GAS QUICK DISCONNECTS TO BE SUPPLIED BY KITCHEN EQUIPMENT SUPPLIER AND INSTALLED BY MECHANICAL CONTRACTOR.
  - ALL WATER LINES TO BE VALVED AT ROUGH-IN LOCATIONS TO EQUIPMENT.
  - MECHANICAL CONTRACTOR TO MAKE ADJUSTMENTS TO ROUGH-IN LOCATIONS DUE TO BEAMS ETC. AS REQUIRED.
  - MECHANICAL CONTRACTOR TO PROVIDE WATER HAMMER ARRESTORS AND PRESSURE REDUCING VALVES AT ALL SODIUM VALVES, DISHWASHER, DISPOSER, ICE MACHINES AND STEAMERS.
  - KITCHEN CONTRACTOR SHALL PROVIDE AUTOMATIC MOTORIZED GAS SHUT-OFF VALVE FOR FIRE SUPPRESSION SYSTEM. MECHANICAL CONTRACTOR TO INSTALL SHUT-OFF VALVE. WIRING BY ELECTRICAL CONTRACTOR.
  - ALL VACUUM BREAKERS SHALL BE SPLIT RESISTANT PRESSURE TYPE.
  - MECHANICAL CONTRACTOR TO PROVIDE BALL VALVE SHUT-OFF VALVES ON INDIRECT LINES AS REQUIRED.
  - MECHANICAL CONTRACTOR TO PROVIDE CHECK VALVES ON HOT AND COLD SUPPLY TO MIXING VALVES WHEN EQUIPMENT SUPPLIED BY KITCHEN CONTRACTOR DOES NOT INCLUDE INTERNAL CHECK VALVES.
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- PROVIDE TELL-TAIL FLOOR DRAIN WITHOUT BACKWATER VALVE.  
REUSE EXISTING PLUMBING FIXTURE AND CONNECT TO NEW PIPING. VERIFY EXISTING MOUNTING HEIGHTS AND CONNECTIONS PRIOR TO INSTALLATION  
BALANCE TO INDICATED GPM.

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Check: **JC**

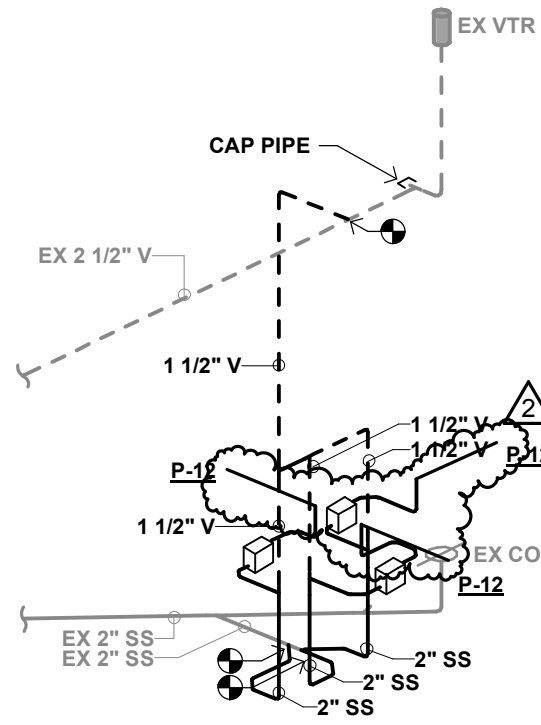
  
North

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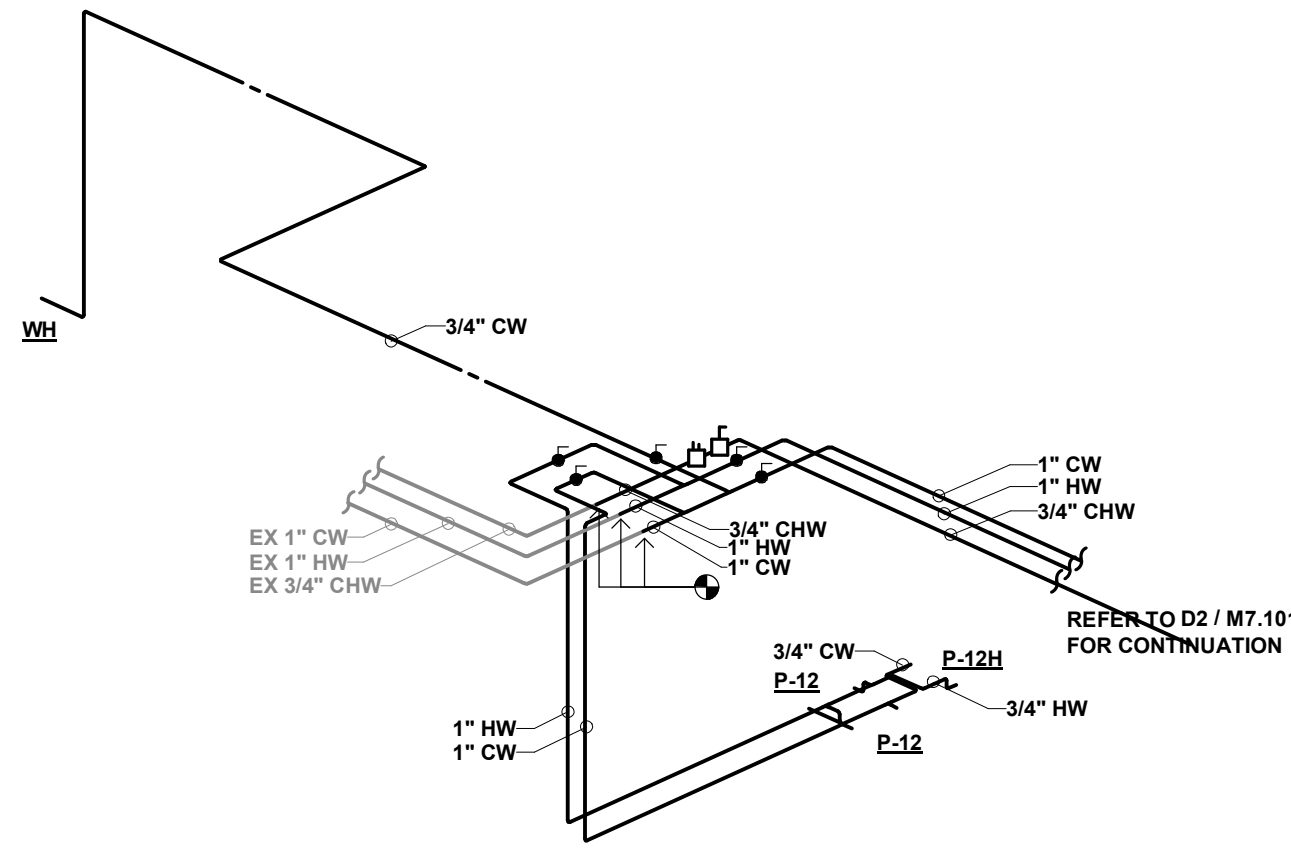
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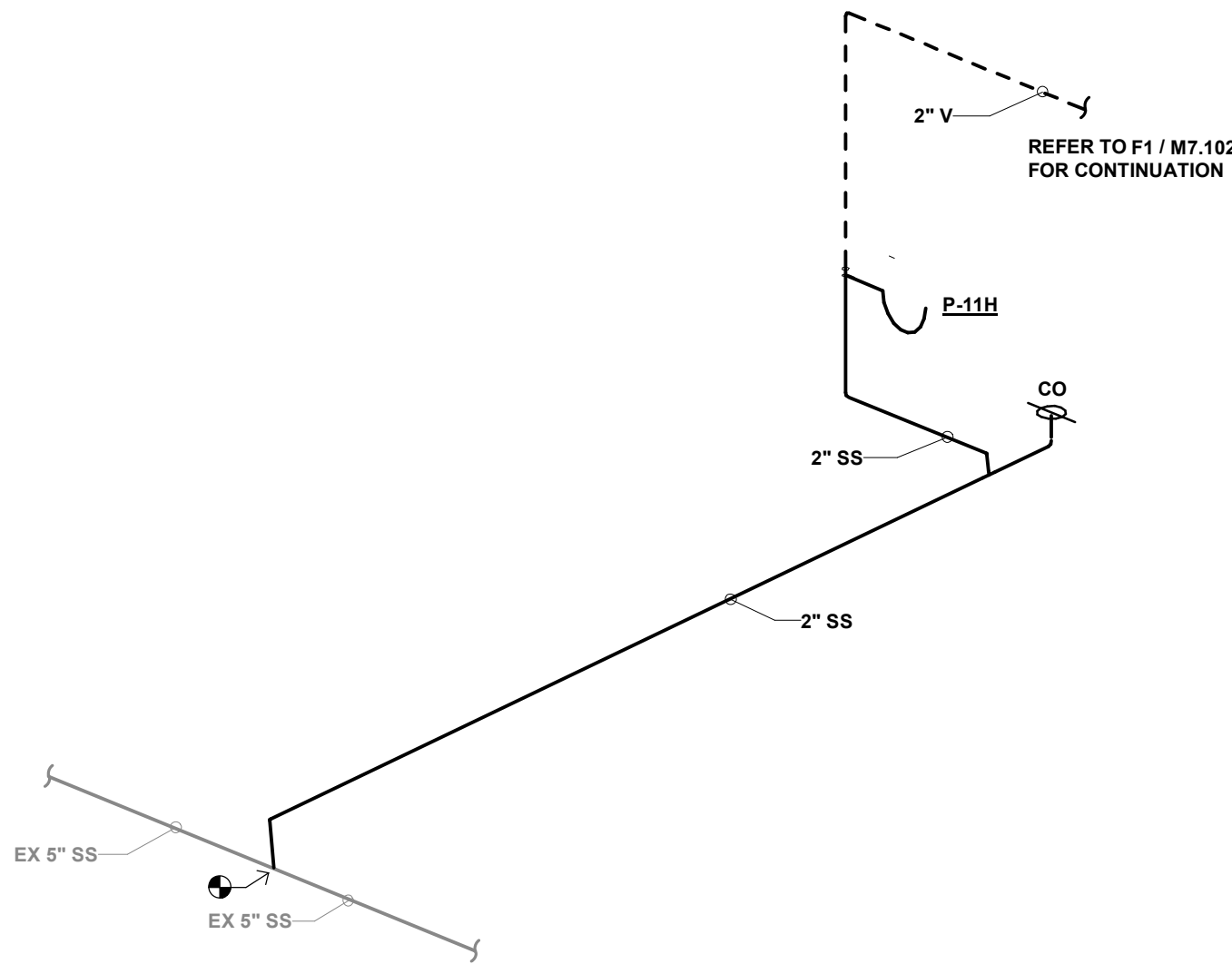
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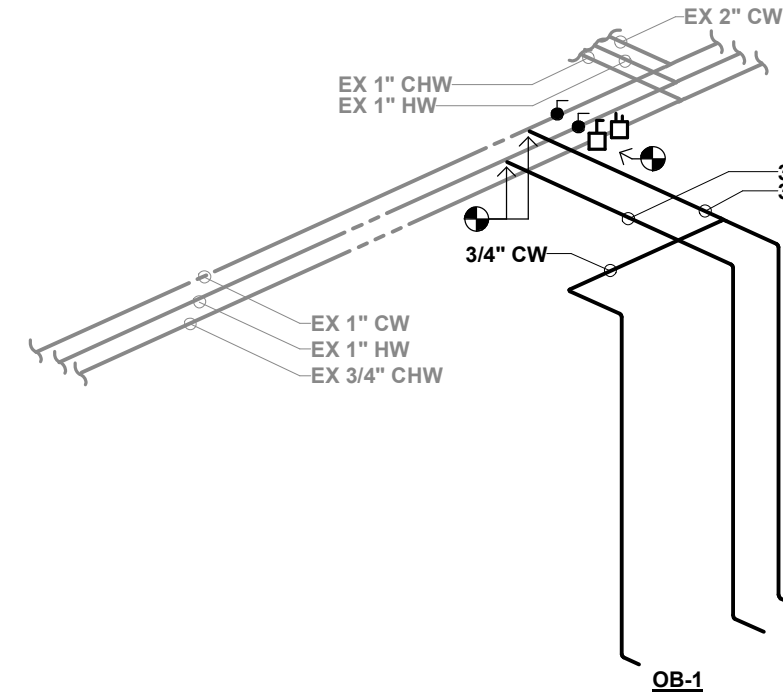
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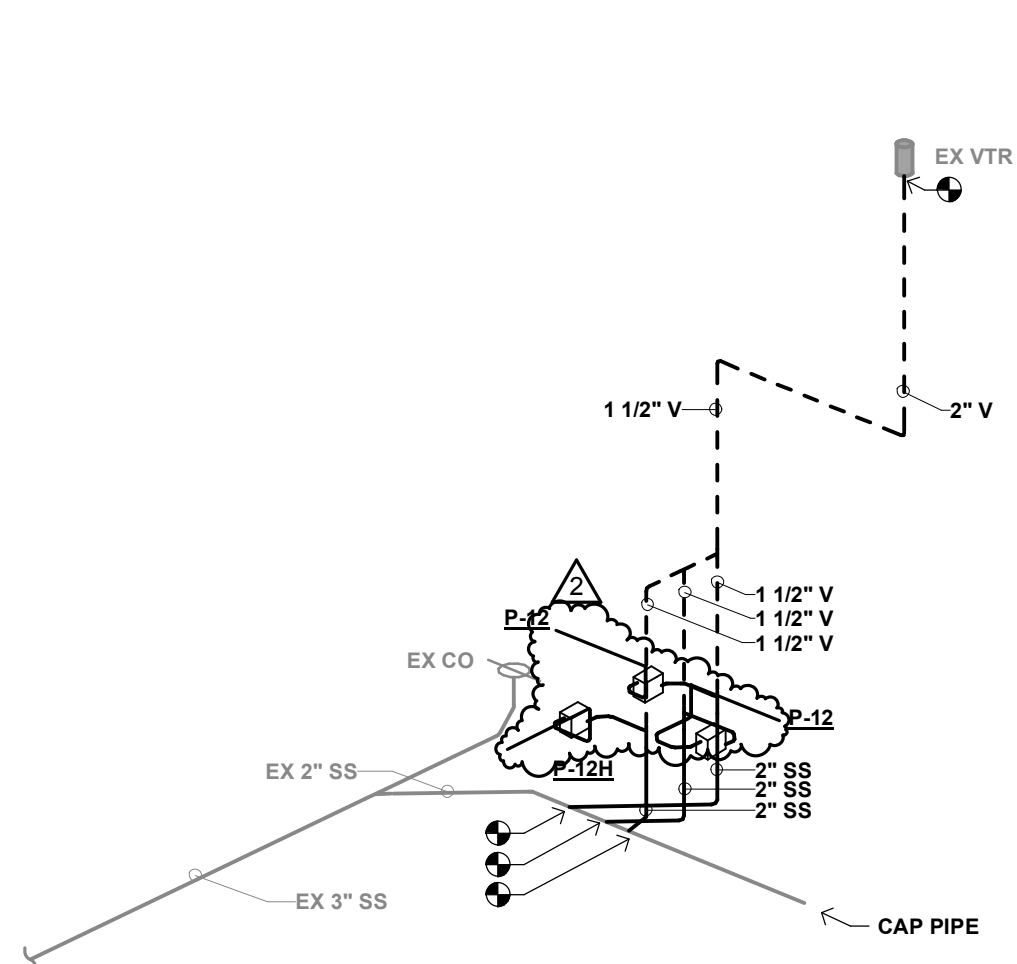
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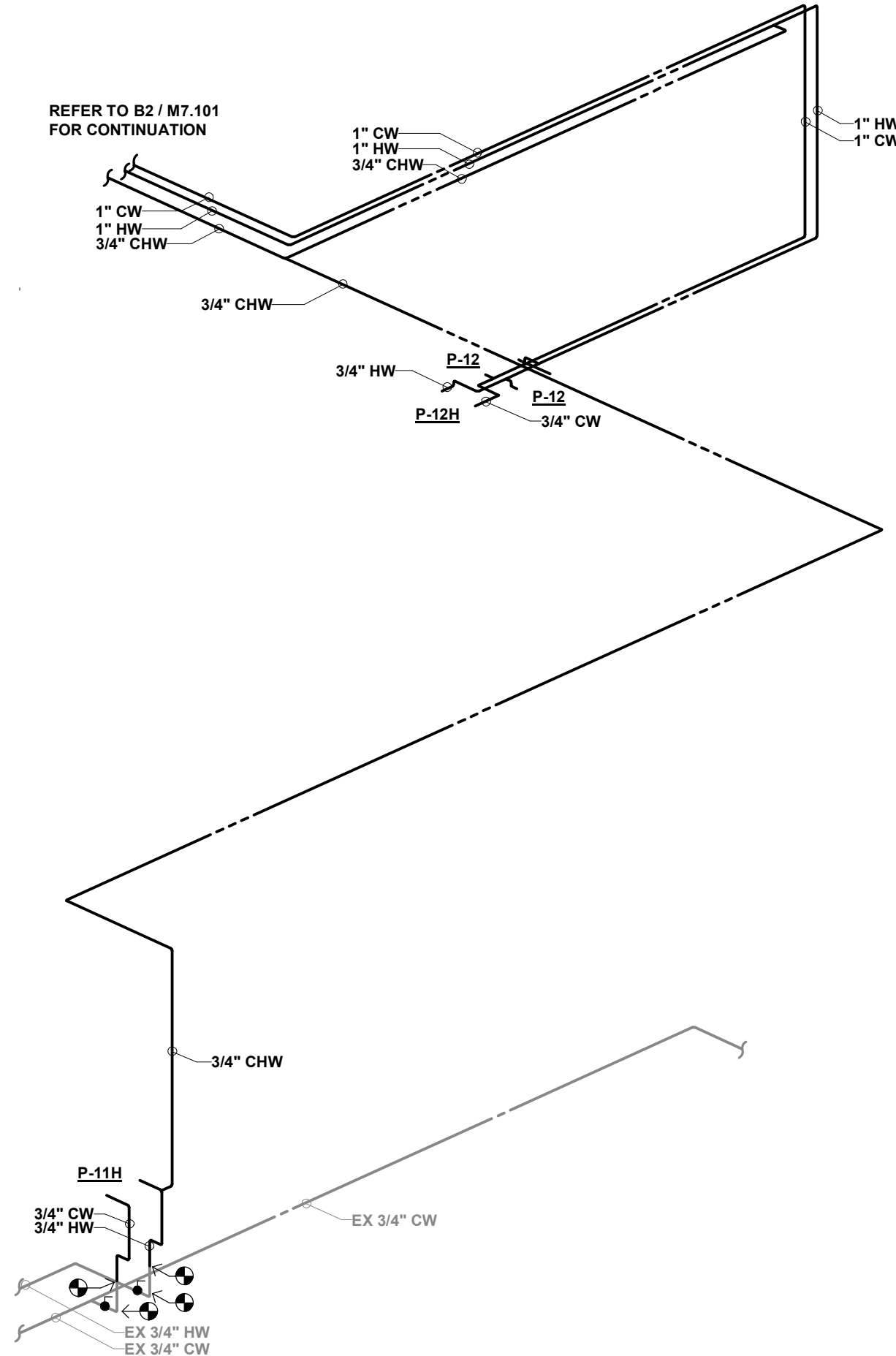
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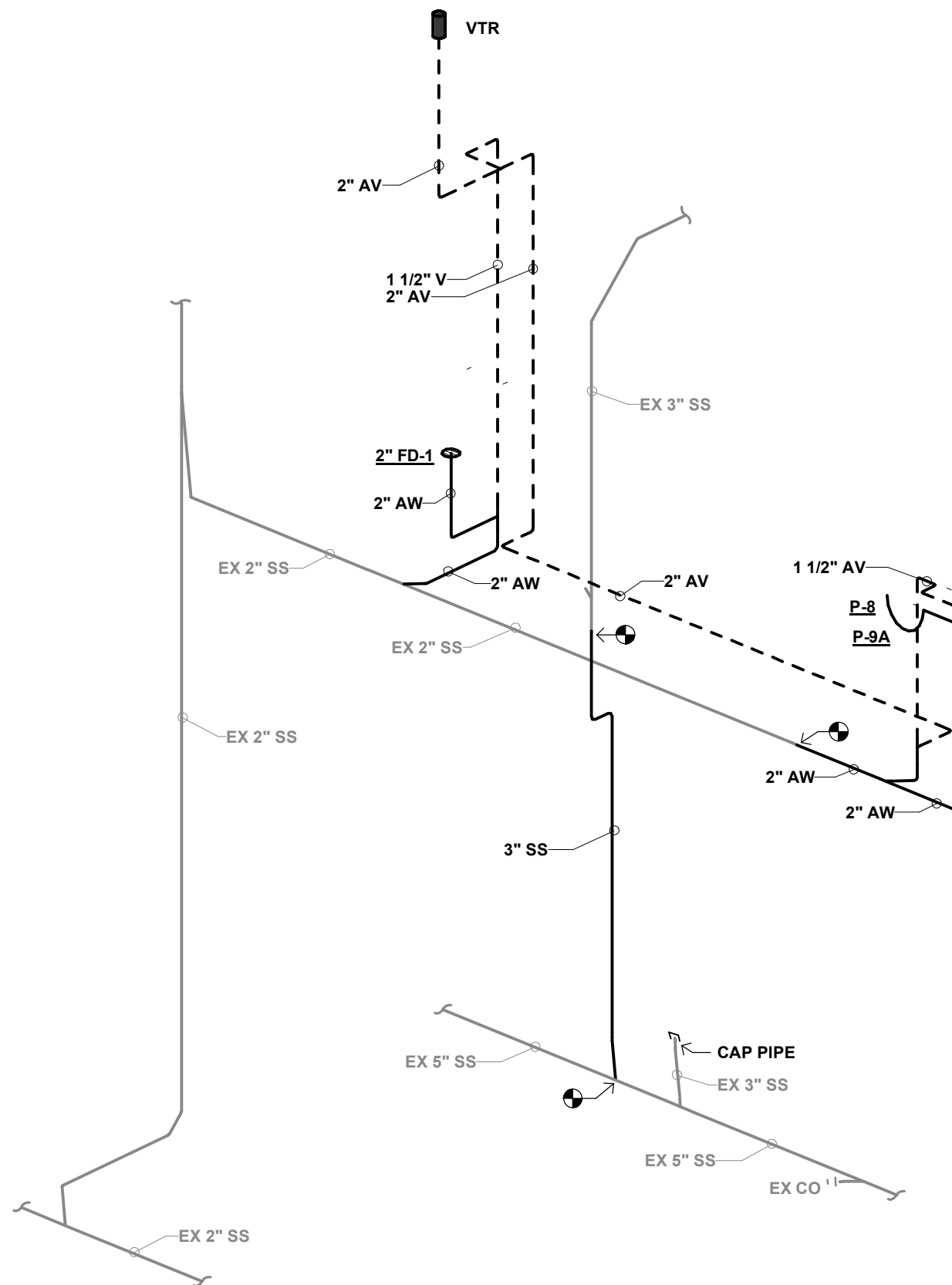
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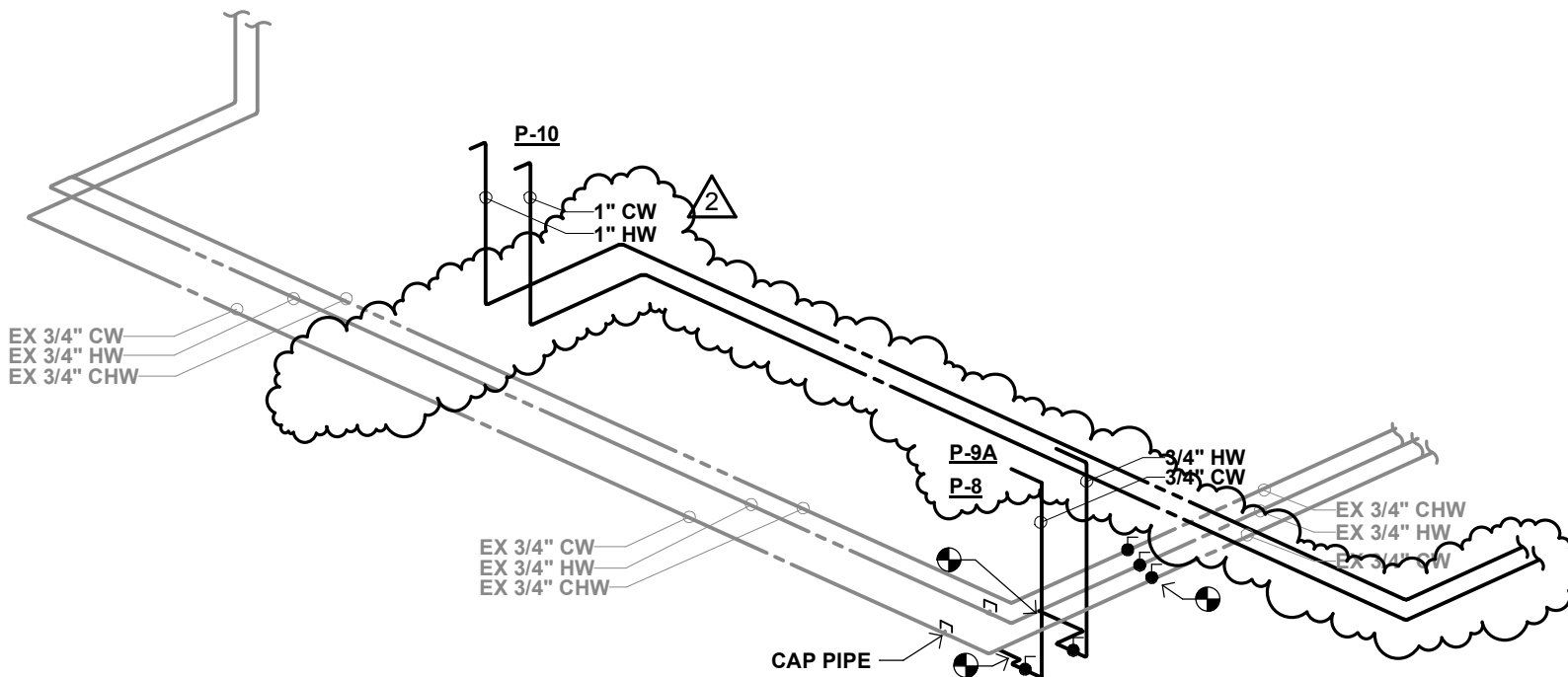
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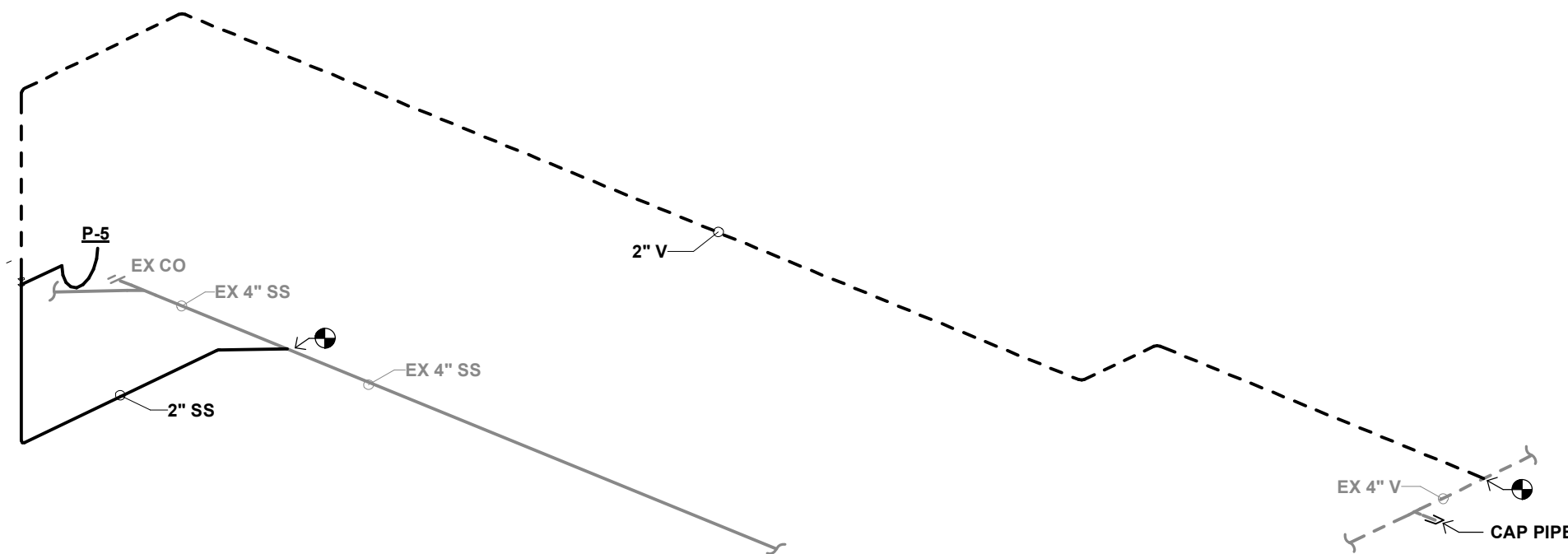
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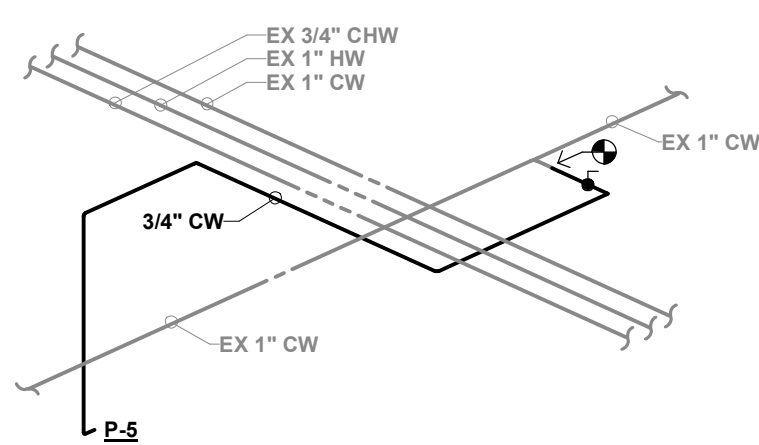
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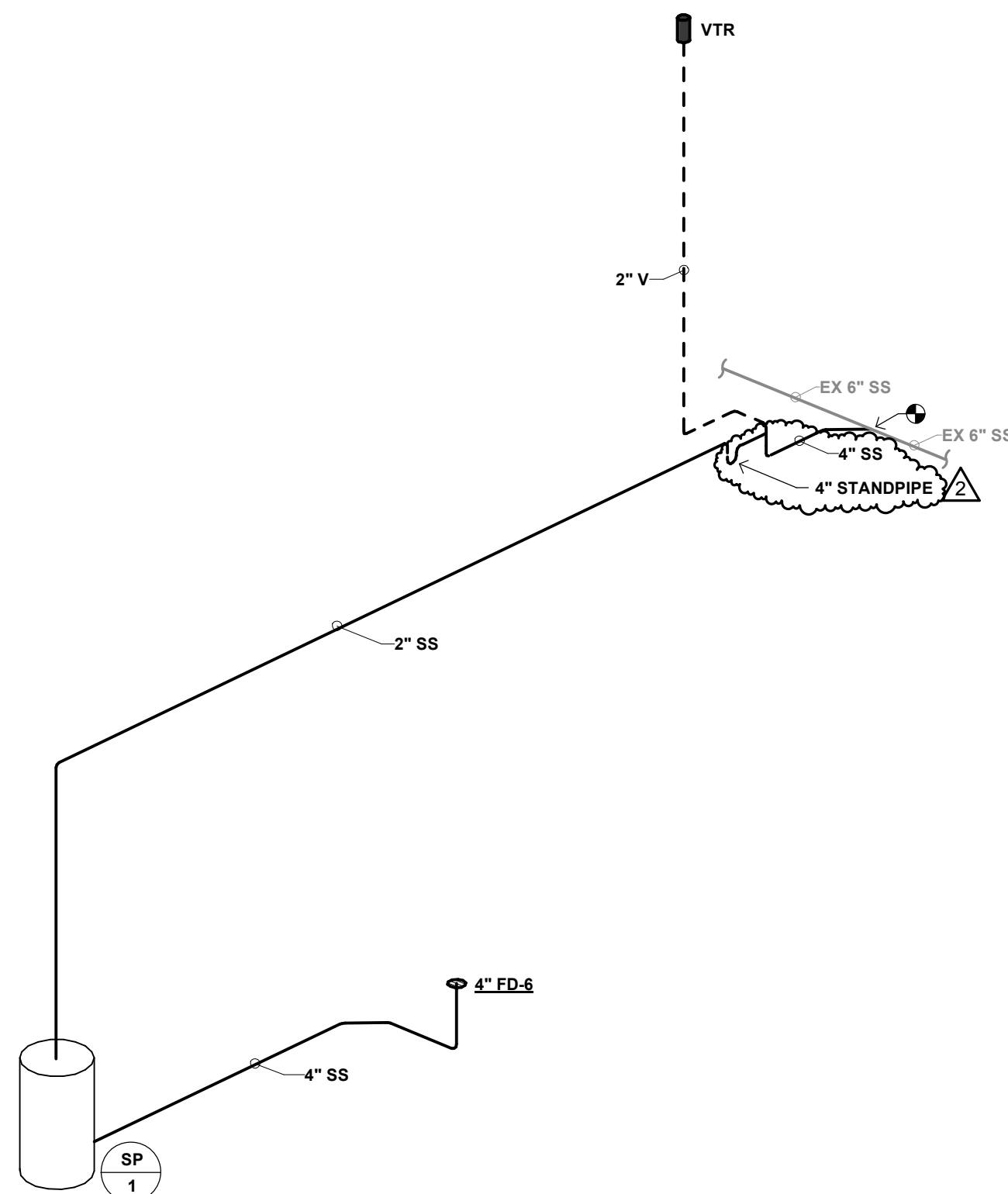
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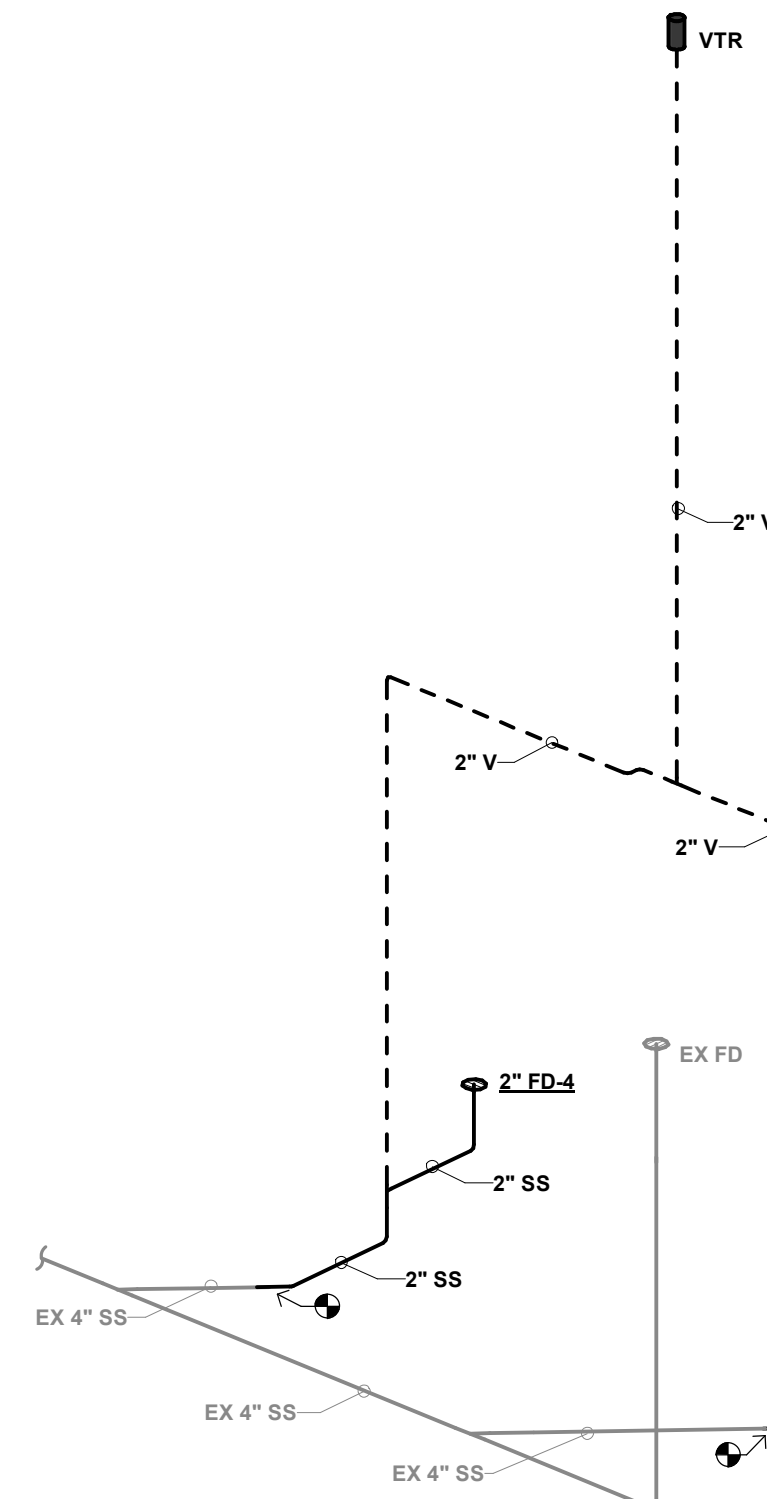
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NOT TO SCALE



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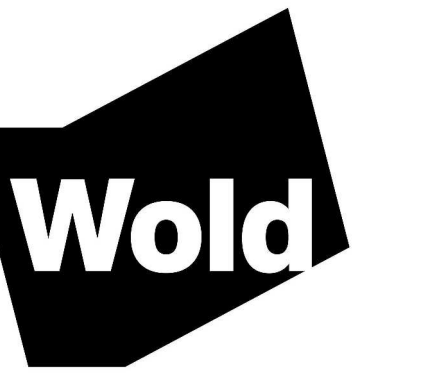
F6 WASTE AND VENT RISER DIAGRAM - BOILER ROOM  
NOT TO SCALE

## Richfield High School Additions and Renovations

7001 Harriet Avenue  
Richfield, Minnesota 55423

## Independent School District #280

7001 Harriet Avenue  
Richfield, Minnesota 55423



## WOLD ARCHITECTS AND ENGINEERS

332 Minnesota Street, Suite W2000  
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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

*Kevin Marshall*  
MINNESOTA

License Number: KEVIN MARSHALL 23989 Date: 1/22/2019

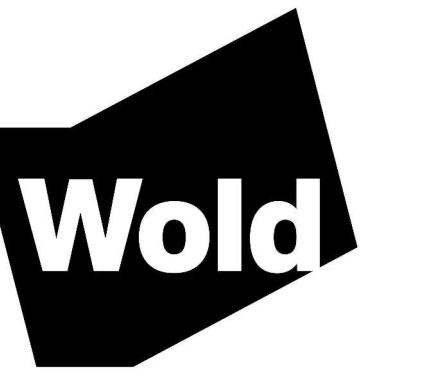
Revisions		
Description	Date	Num
ADDENDUM #2	2/12/19	1
PR #001	04/30/2019	2

Comm: 172297  
Date: 1/22/2019  
Drawn: NRB  
Check: JC  
North

## PLUMBING RISER DIAGRAMS

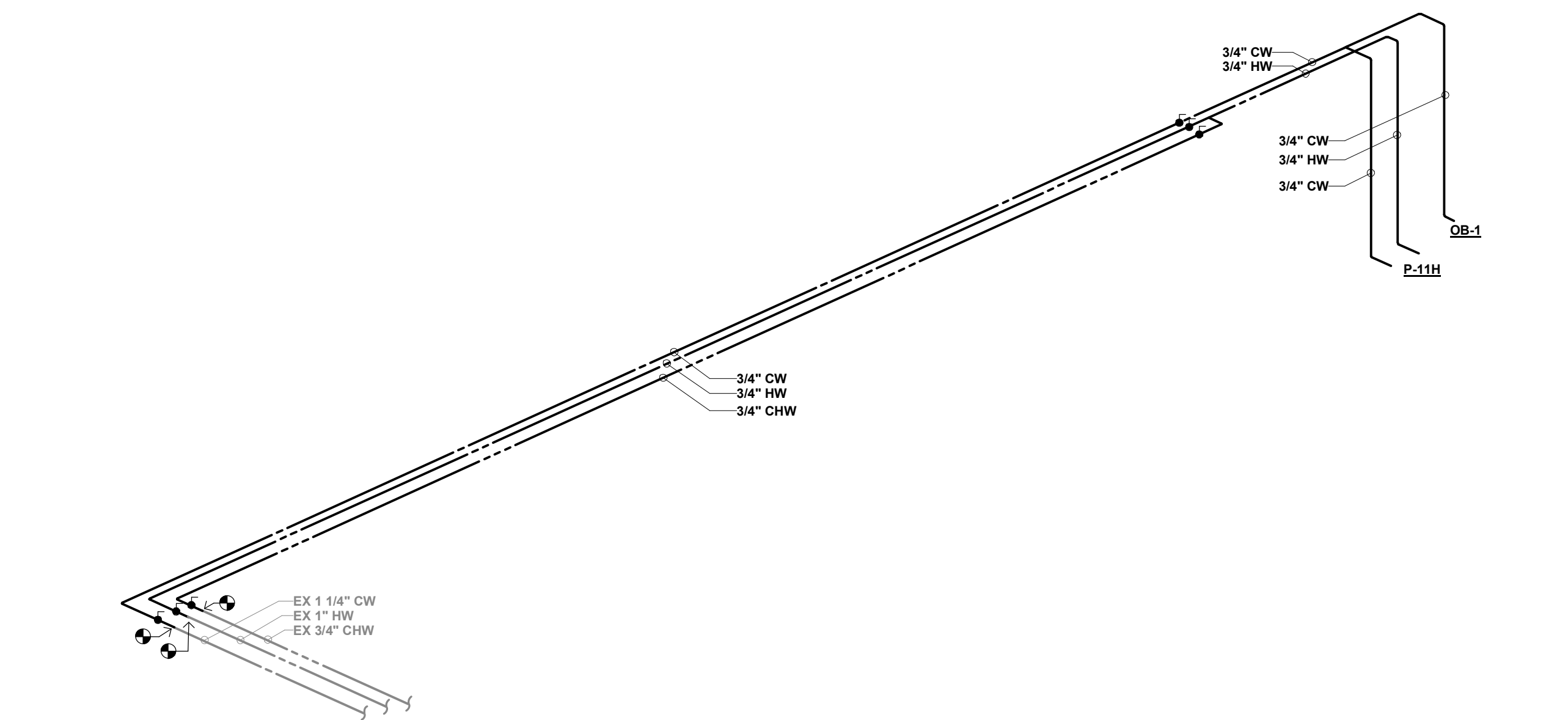
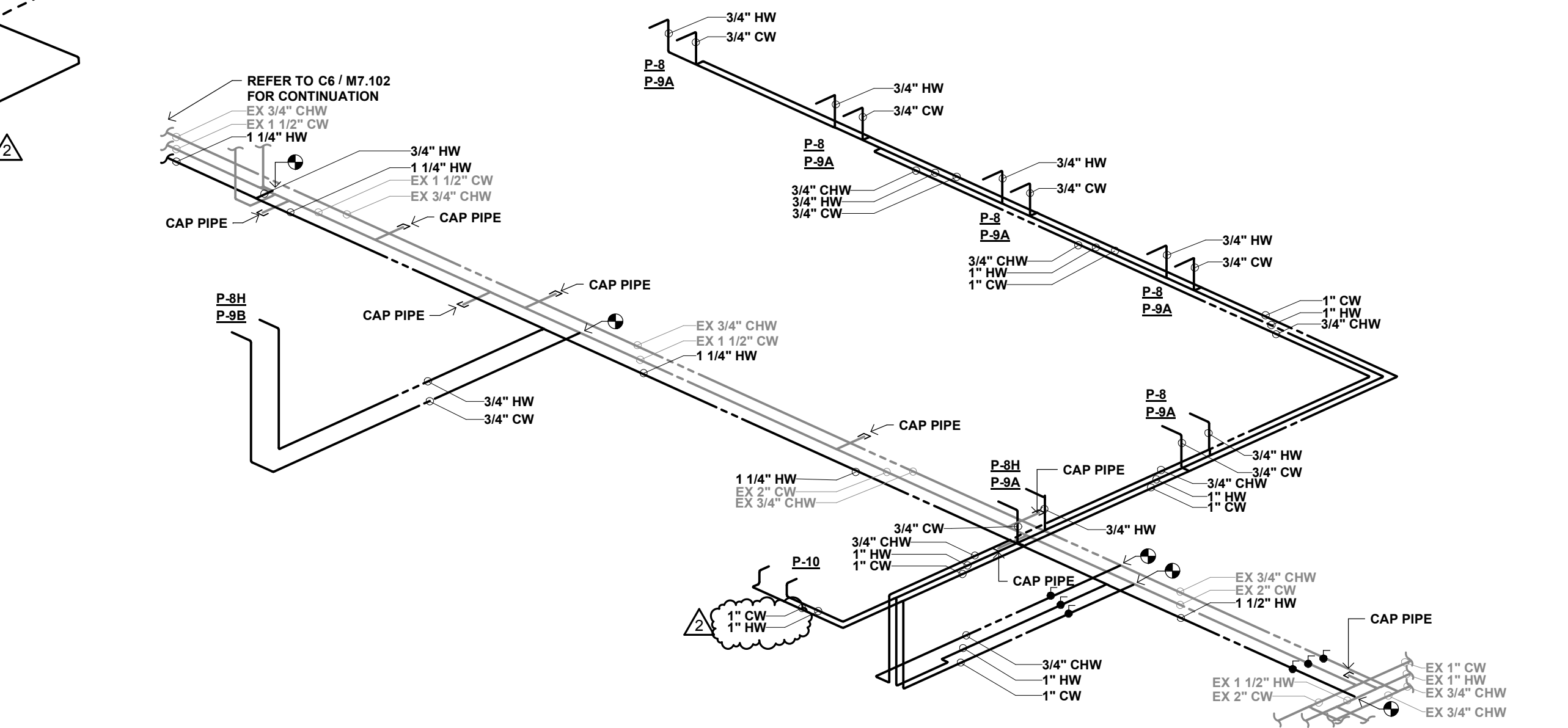
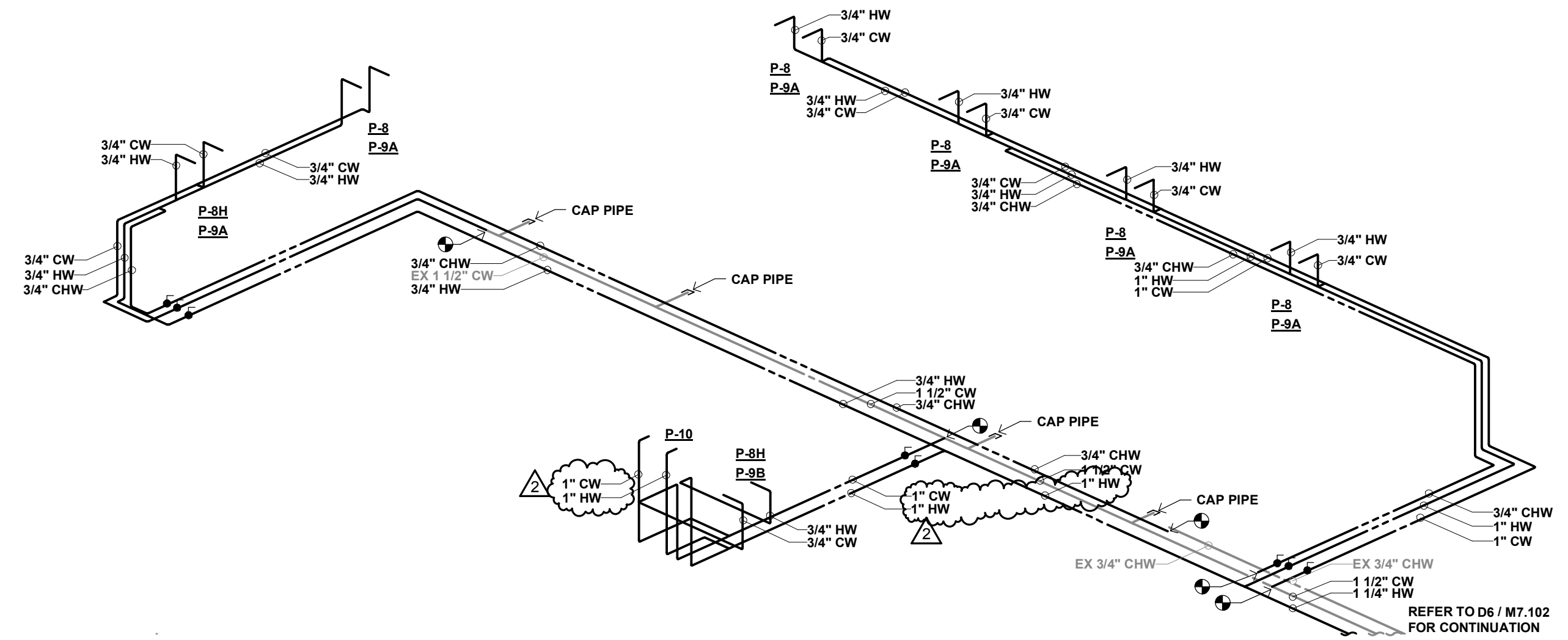
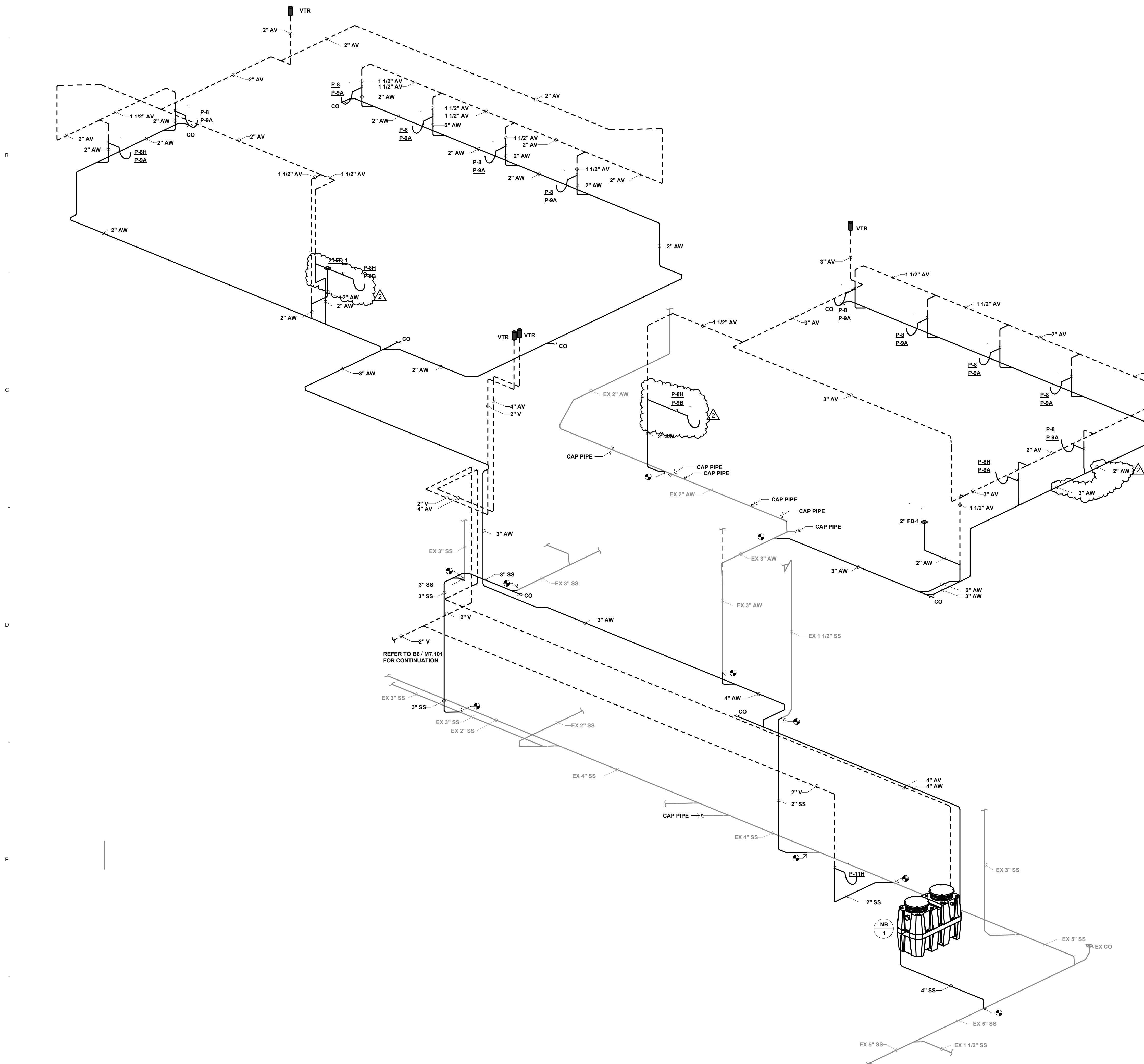
Scale:

M7.101



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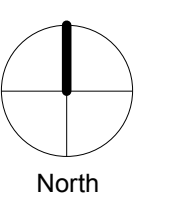
under the laws of the State of **MINNESOTA**

License: **KEVIN MARSHALL**  
Number: **23989** Date: **1/22/2019**

[illegible]

Comm: **172297**  
Date: **1/22/2019**  
Drawn: **NRB**  
Check: **JC**

  
North



## PLUMBING RISER DIAGRAMS

Scale:

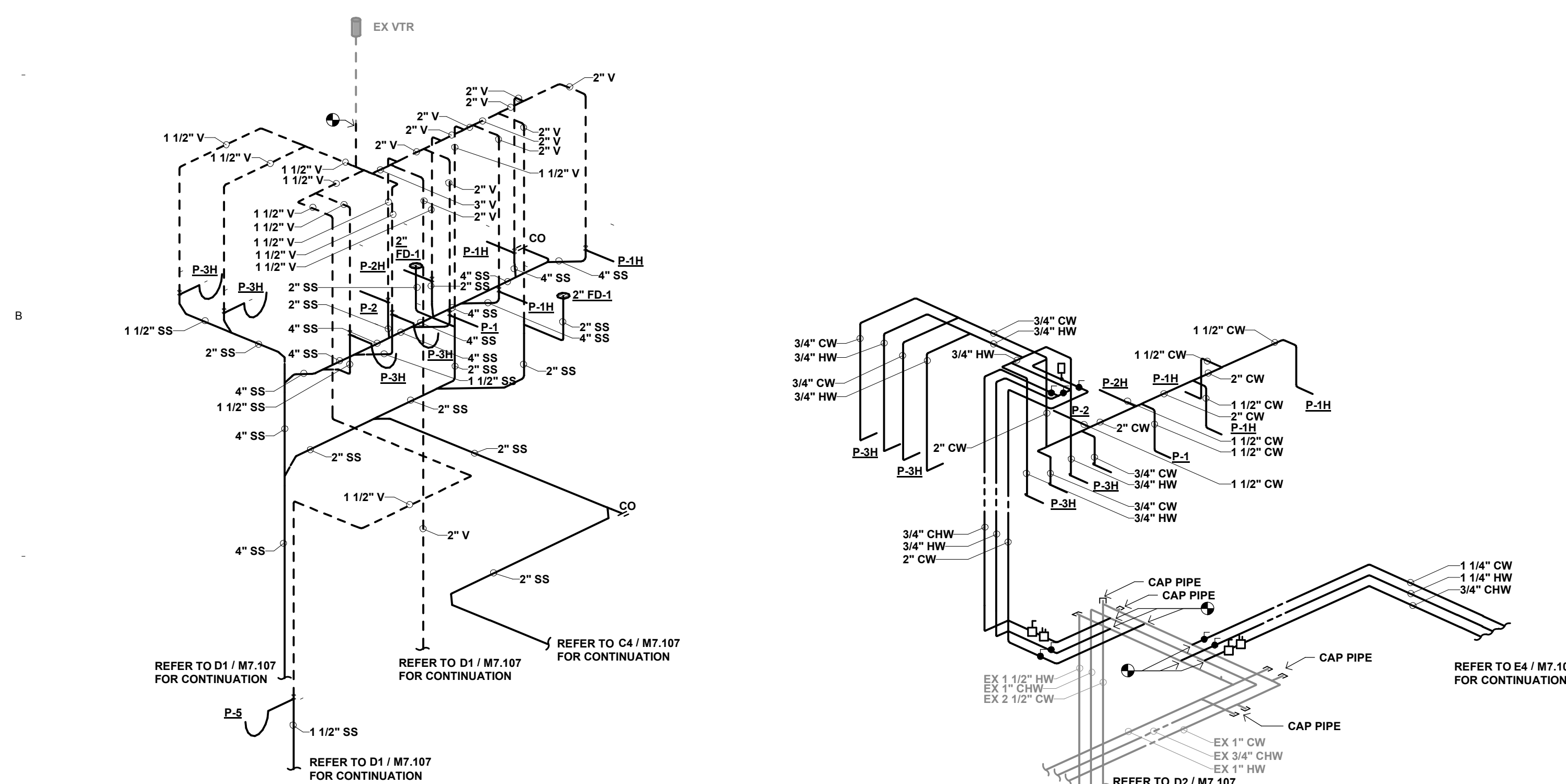
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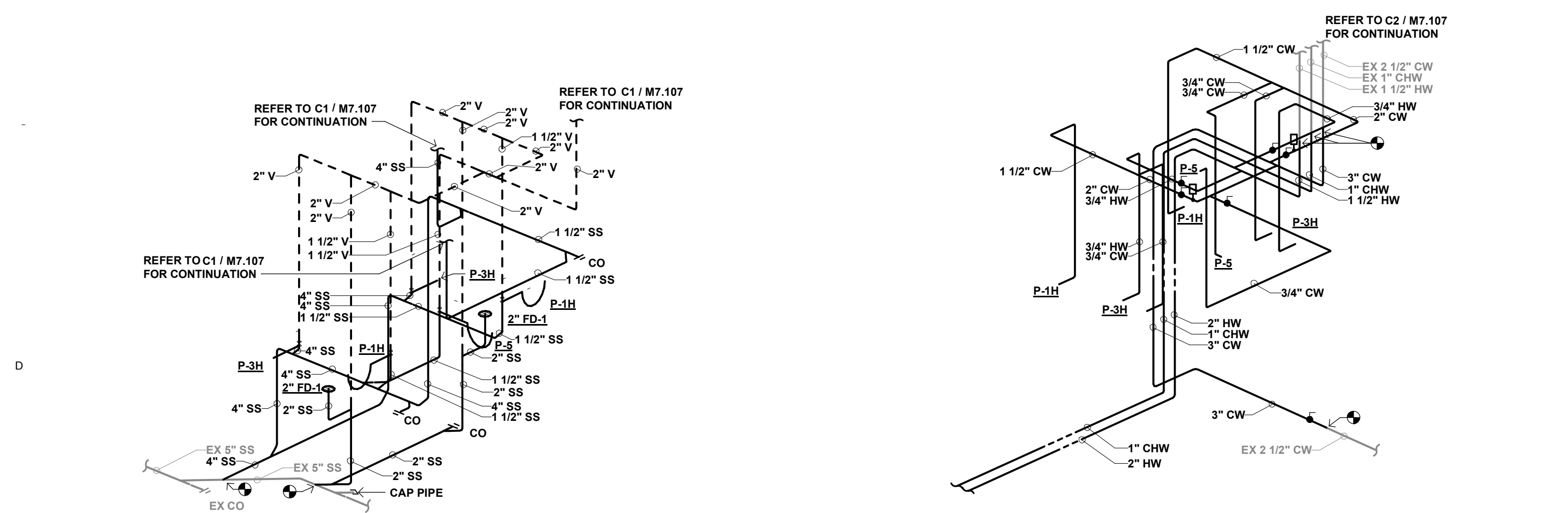
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**MN**



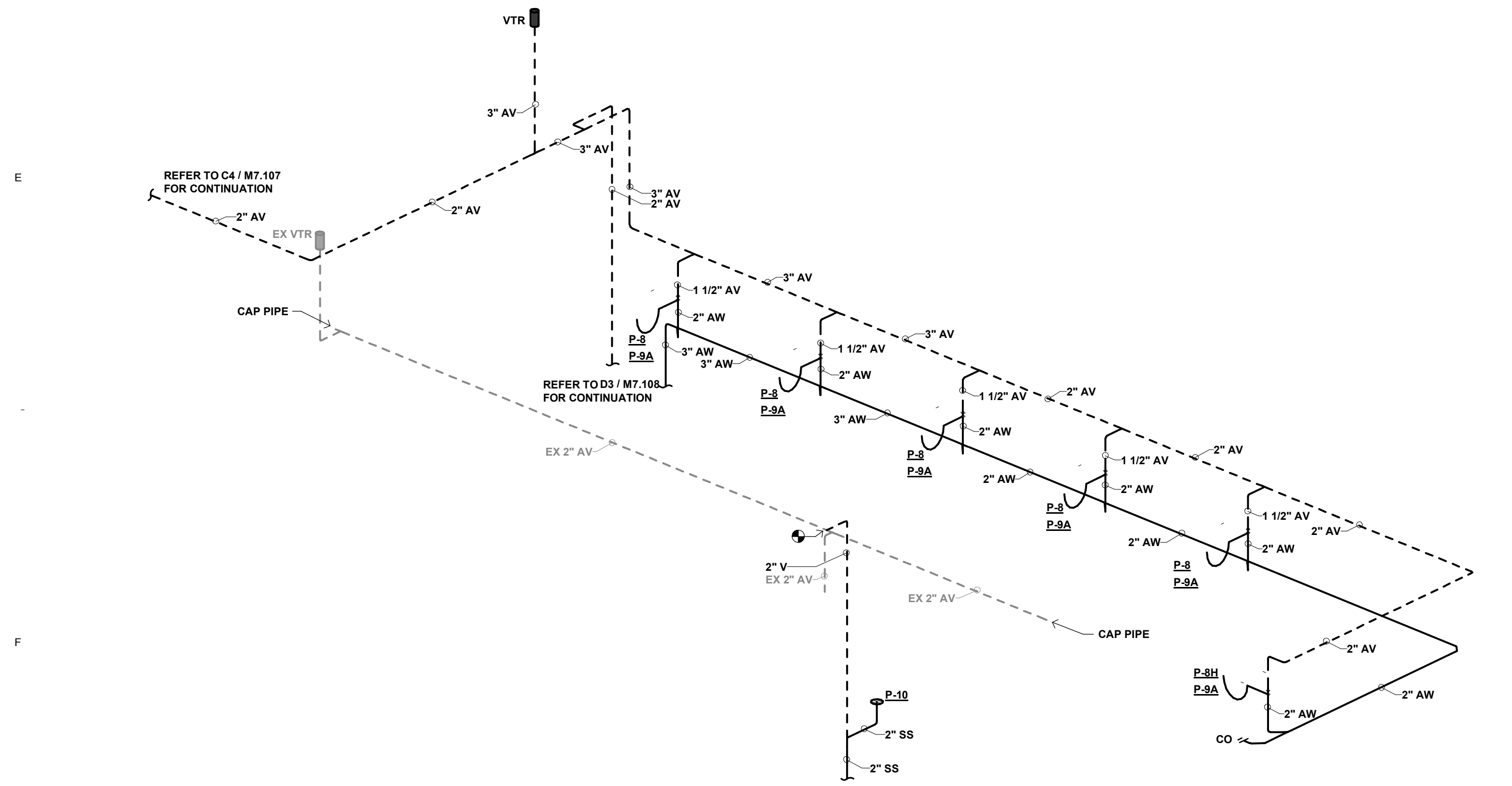
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NOT TO SCALE

**C2** SUPPLY RISER DIAGRAM - ROOMS G307, G308  
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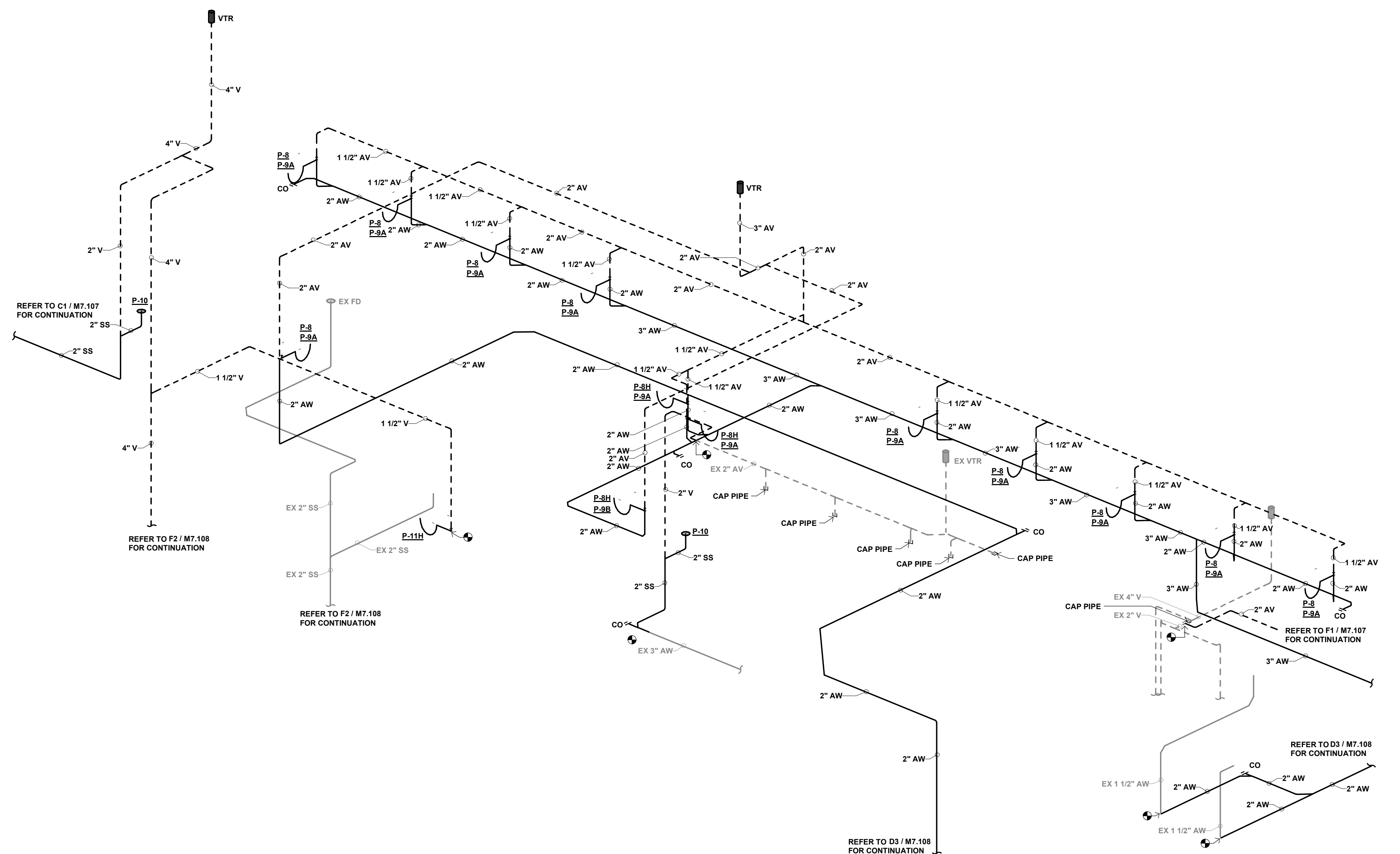


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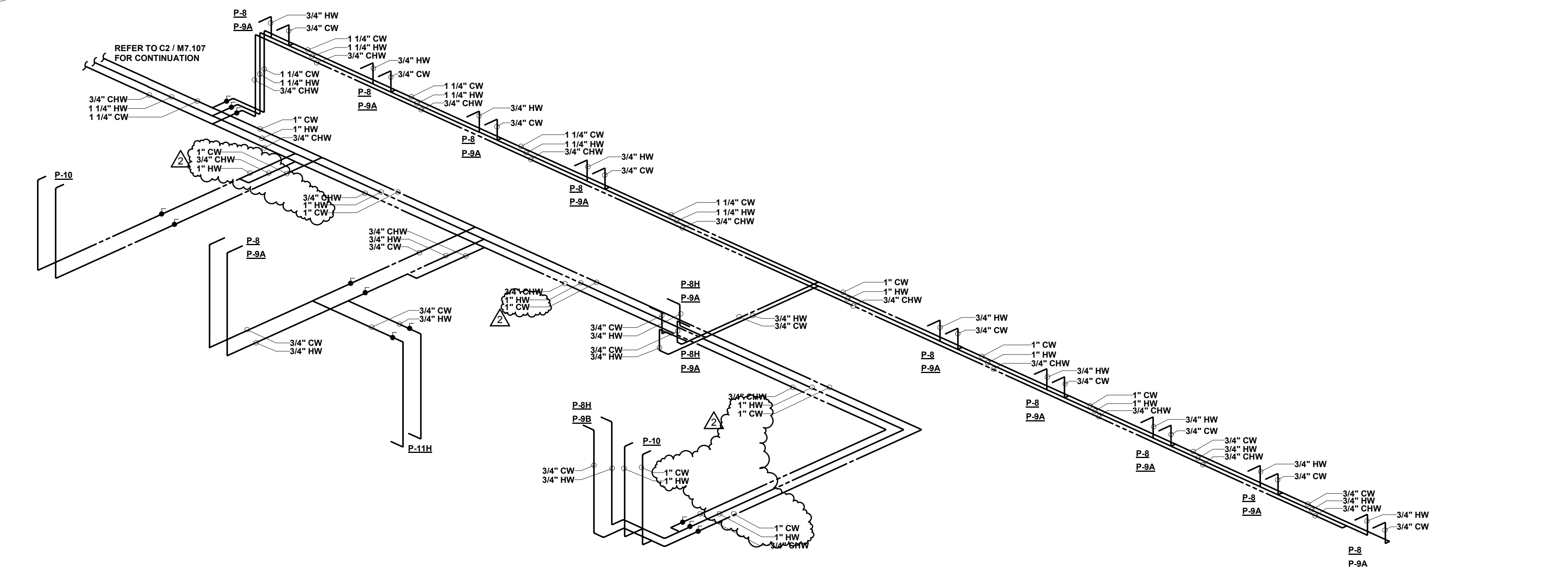
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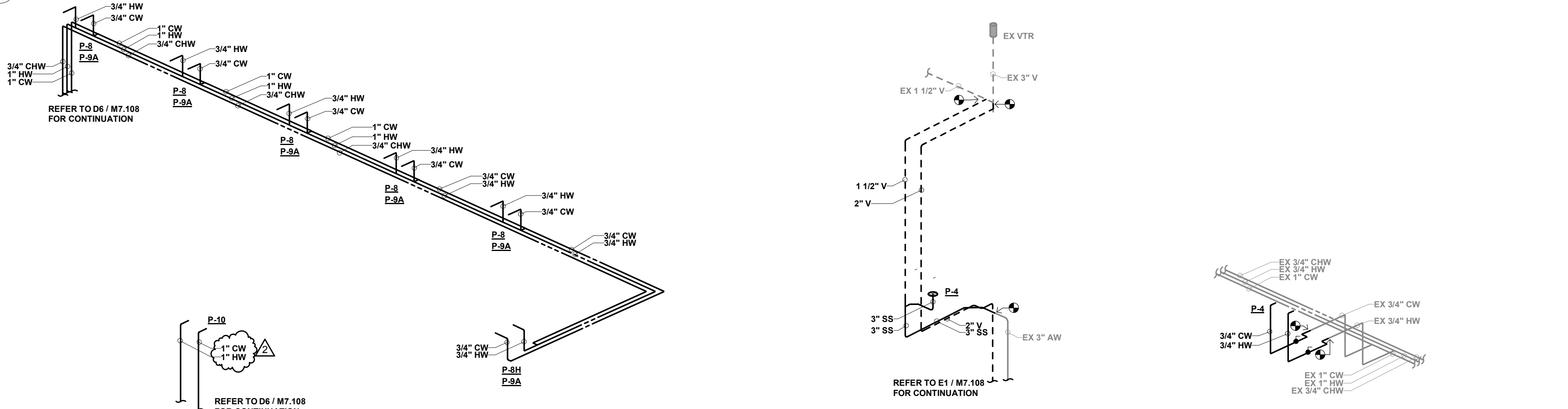
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NOT TO SCALE



**C4 WASTE AND VENT RISER DIAGRAM - ROOMS H305, H313**  
NOT TO SCALE



**E4** SUPPLY RISER DIAGRAM - ROOMS H305, H313  
NOT TO SCALE



**F4 SUPPLY RISER DIAGRAM - ROOM H308**  
NOT TO SCALE

F6 WASTE AND VENT DIAGRAM - ROOM H304  
NOT TO SCALE

**F7** **SUPPLY RISER DIAGRAM - ROOM H304**  
NOT TO SCALE

under the laws of the State of **MINNESOTA**.

of the State of MINNESOTA

  
\_\_\_\_\_  
KEVIN MARSHALL

License Number: **23989** Date: **1/22/2019**

Revisions

[illegible]Comm: 172297

Date: 1/22/2019

Drawn: NRB

Check: IC

North

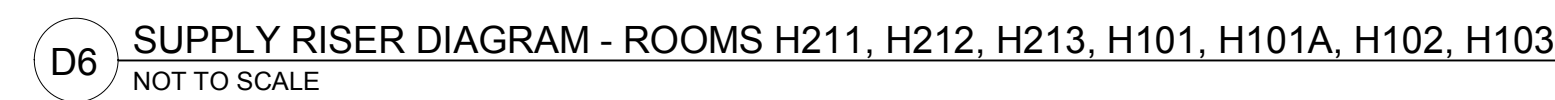
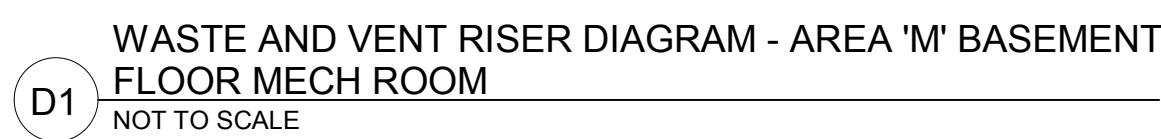
Check: 50 North

## PLUMBING RISER DIAGRAMS

Scale:

# M7.107




PROFESSIONAL ENGINEER

*L. de Vill*

KEVIN MARSHALL

Number: 23989 Date: 1/22/2019

Comm: **172297**  
Date: **1/22/2019**  
Drawn: **NRB**  
Check: **JC**

  
North

Date: 1/22/2019

Check: **JC** North

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## PLUMBING RISERS

## References

Scale:

M7-1118

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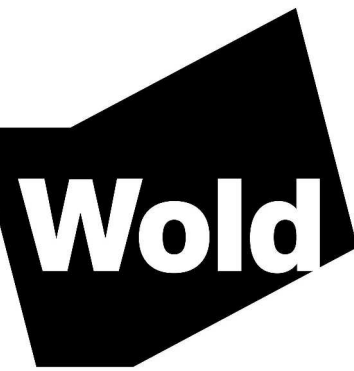
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Richfield High School Additions and Renovations

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Independent School District #280

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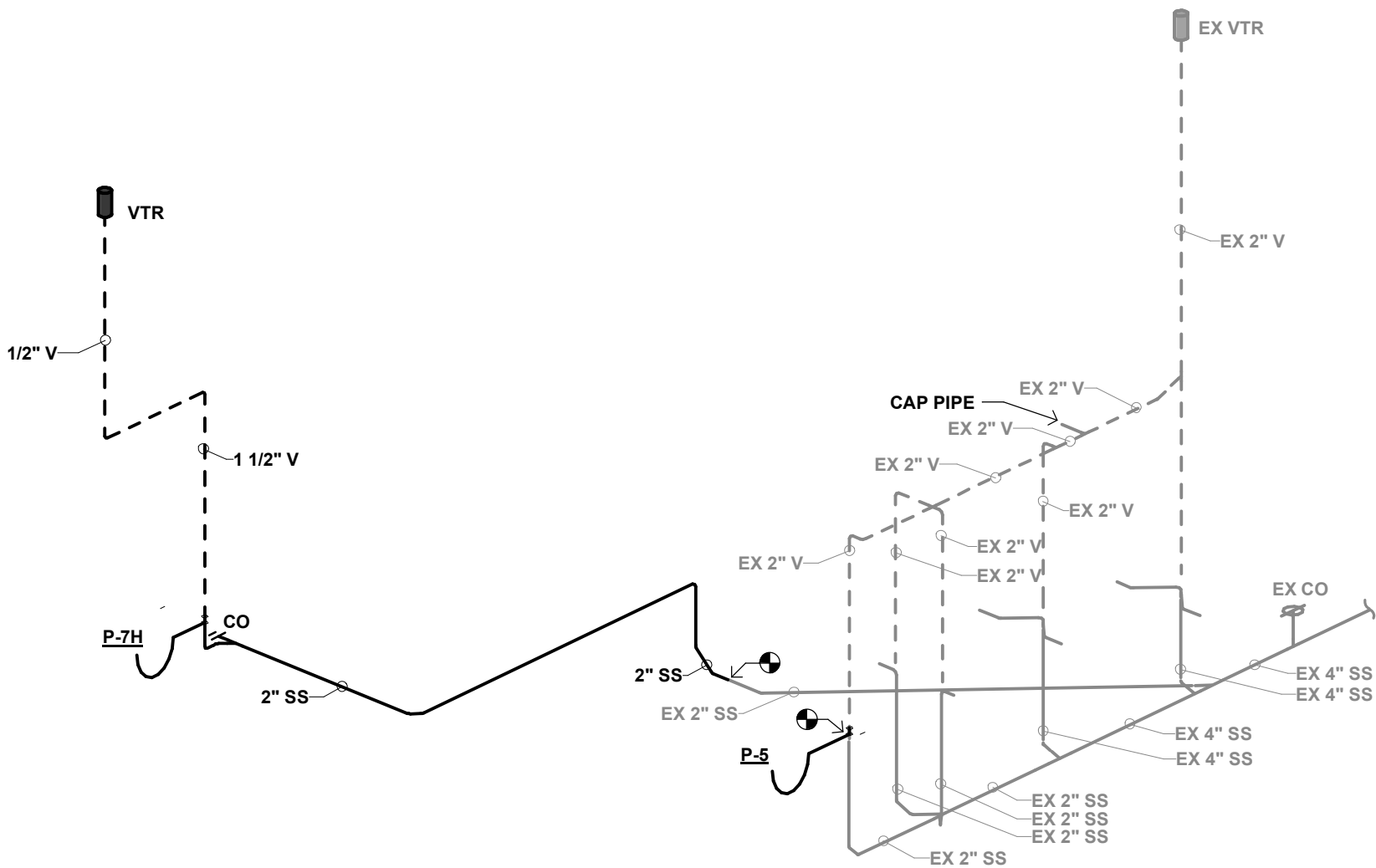


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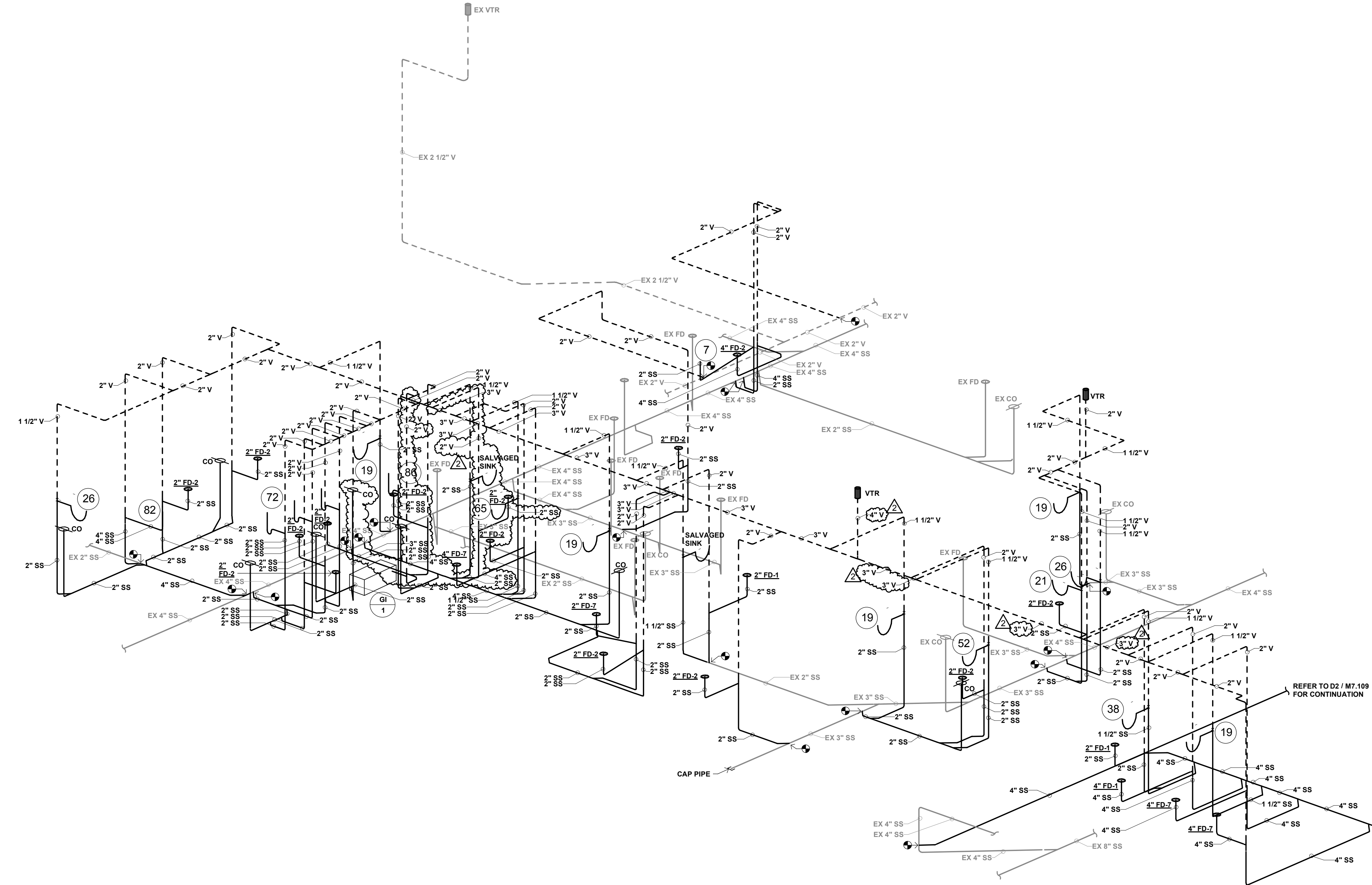
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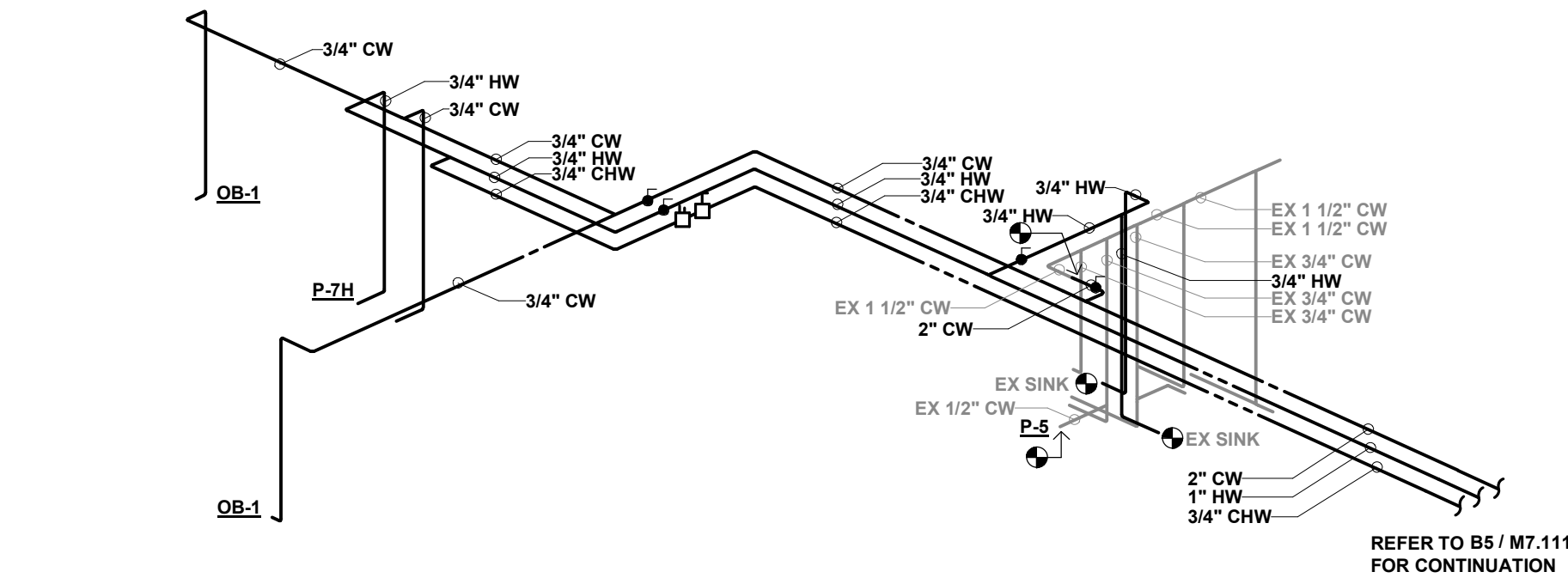
C1 WASTE AND VENT RISER DIAGRAM - ROOM M146, M137A  
NOT TO SCALE



D4 WASTE AND VENT RISER DIAGRAM - ROOMS J137, K101, K102, K103, K104  
NOT TO SCALE



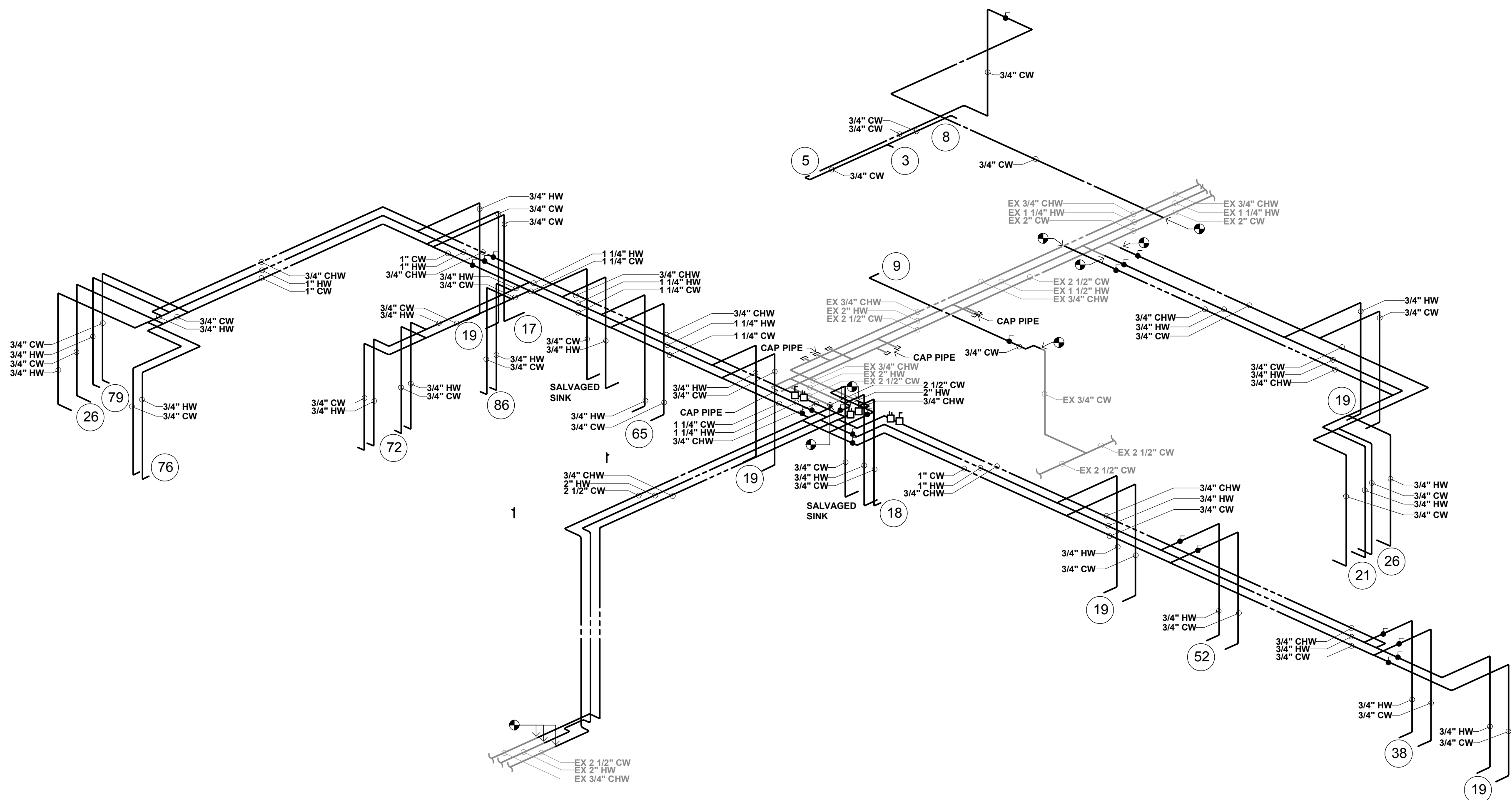
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F1 WASTE AND VENT RISER DIAGRAM - ROOM M004  
NOT TO SCALE

F3 SUPPLY RISER DIAGRAM - ROOM M004  
NOT TO SCALE

F4 SUPPLY RISER DIAGRAMS - ROOMS J137, K101, K102, K103, K104  
NOT TO SCALE



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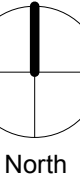
under the laws of the State of MINNESOTA

Signature: Kevin Marshall

License Number: KEVIN MARSHALL 23989 Date: 1/22/2019

Description	Revisions	
	Date	Num
ADDENDUM #3	2/19/19	1
PR #001	04/30/2019	2

Comm: 172297  
Date: 1/22/2019  
Drawn: NRB  
Check: JC



PLUMBING RISER DIAGRAMS

Scale:

M7.110





MN

MECHANICAL ABBREVIATIONS

AD	AREA DRAIN	GR	GRILLE
AF	AREA FINISH	HB	HORSE BIBB
AF	AS HIGH AS POSSIBLE	HCB	HARD COLD WATER
BF	BELOW FINISHED FLOOR	HP	HORSE POWER
BLD	BUILDING	HW	HOT WATER
BSMT	BASIN	INV	INVERT
BTWN	BETWEEN	KW	KILOWATT
CB	CATCH BASIN	LAT	LEAVING AIR TEMPERATURE
CFM	CUBIC FEET/MINUTE	LWT	LEAVING WATER TEMPERATURE
CHW	CIRCULATING HOT WATER	MAX	MAXIMUM
CLG	CEILING	MBH	1000 BTU
CO	CLEANOUT	MECH	MECHANICAL
CONCR	CONCRETE	MH	MANHOLE
CONTR	CONTRACTOR	MIN	MINIMUM
CW	COLD WATER	NTS	NOT TO SCALE
DB	DRY BULB	OA	OUTSIDE AIR
DEG	DEGREE	OBD	OPPOSED BLADE DAMPER
DIA	DIAMETER	ORD	OVERFLOW ROOF DRAIN
DIFF	DIFFUSER	P#	PLUMBING FIXTURE NUMBER
EAT	ENTERING AIR TEMPERATURE	P & T	PRESSURE AND THERMOSTATIC
EDR	SQUARE FEET RADIATION	PD	PRESSURE DROP
EFF	EFFICIENCY	PUBG	PLUMBING
EL	ELBOW	QUAN	QUANTITY
ELEC	ELECTRICAL	RA	RETURN AIR
ELEV	ELEVATION	RD	ROOF DRAIN
EWT	ENTERING WATER TEMPERATURE	REG	REGISTER
EXH	EXHAUST	REQD	REQUIRED
EXIST	EXISTING	RPM	REVOLUTIONS/MINUTE
F	FEET	SA	SUPPLY AIR
F & T	FLOAT AND THERMOSTATIC	SCW	SOFT COLD WATER
FD	FLOOR DRAIN	SHT	SHEET
PH	FIRE HYDRANT	SP	STATIC PRESSURE
FLA	FULL LOAD AMPS	TD	TEMPERATURE DIFFERENCE
FLR	FLOOR	VTR	VENT THROUGH ROOF
FTR	FINNED TUBE RADIATION	WTH	WET
GEN	GENERAL	WB	WET BULB
GPM	GALLONS/MINUTE	WH	WALL HYDRANT

MECHANICAL LINETYPES

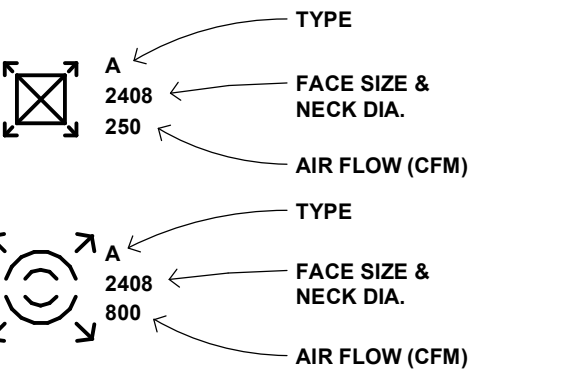
— S —	DOMESTIC SOFT COLD WATER PIPING
— HT —	DOMESTIC HOT WATER PIPING
— HT —	HEAT TRACE DOMESTIC HOT WATER PIPING
— HT —	DOMESTIC CIRCULATING HOT WATER PIPING
— AV —	ACID RESISTANT VENT PIPING
— SS —	SANITARY WASTE ABOVE GROUND PIPING
— AW —	SANITARY WASTE BELOW GROUND PIPING
— AW —	ACID RESISTANT WASTE ABOVE GROUND PIPING
— PD —	PUMP DISCHARGE PIPING
— SD —	STORM DRAIN ABOVE GROUND PIPING
— SD —	STORM DRAIN BELOW GROUND PIPING
— SD —	CONDENSATE DRAIN PIPING
— IA —	INDUSTRIAL AIR PIPING
— VAC —	VACUUM PIPING
— NG —	NATURAL GAS PIPING
— ING —	INTERRUPTIBLE NATURAL GAS PIPING
— FNG —	FIRM NATURAL GAS PIPING
— LFG —	LIQUEFIED PETROLEUM GAS PIPING
— FOS —	FUEL OIL SUPPLY PIPING
— FOR —	FUEL OIL RETURN PIPING
— FOG —	FUEL OIL GAGE PIPING
— FP —	FIRE PROTECTION PIPING
— HWS —	BUILDING HEATING WATER SUPPLY PIPING
— HWR —	BUILDING HEATING WATER RETURN PIPING
— LPS —	LOW PRESSURE STEAM PIPING
— MPS —	MEDIUM PRESSURE STEAM PIPING
— HPS —	HIGH PRESSURE STEAM PIPING
— LPR —	LOW PRESSURE CONDENSATE RETURN PIPING
— MPR —	MEDIUM PRESSURE CONDENSATE RETURN PIPING
— HPR —	HIGH PRESSURE CONDENSATE RETURN PIPING
— RR —	REVERSE RETURN HYDRONIC PIPING (EXISTING)
— DHS —	DISTRICT HEATING SUPPLY PIPING
— DHR —	DISTRICT HEATING RETURN PIPING
— CHWS —	BUILDING CHILLED WATER SUPPLY PIPING
— CHWR —	BUILDING CHILLED WATER RETURN PIPING
— CWS —	BUILDING CHILLER CONDENSER WATER SUPPLY PIPING
— CWR —	BUILDING CHILLER CONDENSER WATER RETURN PIPING
— LIQ —	DX REFRIGERATION SYSTEM LIQUID PIPING
— SUC —	DX REFRIGERATION SYSTEM SUCTION PIPING
— HG —	BOILER FEED PIPING
— BF —	BOILER FEED PIPING
— ES —	EXTERIOR HYDRONIC SUPPLY PIPING
— IS —	INTERIOR HYDRONIC SUPPLY PIPING
— CCHWS —	CAMPUS CHILLED WATER SUPPLY
— CCHWR —	CAMPUS CHILLED WATER RETURN
— O2 —	OXYGEN PIPING
— V —	VACUUM PIPING
— A —	MEDICAL AIR PIPING
— N —	NITROGEN PIPING
— E —	WASTE ANESTHESIA GAS DISPOSAL PIPING
— N2O —	NITROUS OXIDE PIPING
— CO2 —	CARBON DIOXIDE PIPING

MECHANICAL SYMBOLS

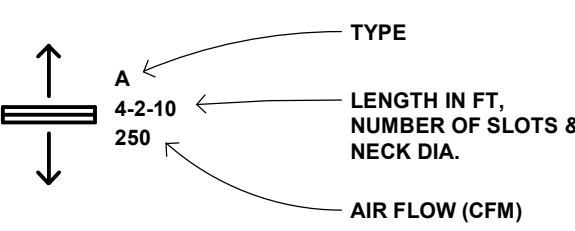
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	AIR VENT		THREE WAY TEMPERATURE CONTROL VALVE
	FLOW MEASURING DEVICE		UNION
	STRAINER		THERMOMETER
	PIPING GUIDE		BALL VALVE
	PIPING ANCHOR		BUTTERFLY VALVE
	EXPANSION JOINT		GATE VALVE
	FLEXIBLE CONNECTION		CHECK VALVE
	DIRECTION OF FLOW		GLOBE VALVE
	CONCENTRIC REDUCER		PRESSURE OR PRESSURE/TEMPERATURE RELIEF VALVE
	ECCENTRIC REDUCER		ANGLE VALVE
	STEAM TRAP ASSEMBLY		PRESSURE REDUCING VALVE
	ELBOW DOWN		SOLENOID VALVE
	ELBOW UP		WALL HYDRANT
	TEE CONNECTION DOWN		HOSE BIBB
	TEE CONNECTION UP		LUBRICATED PLUG GAS COCK
	PIPING CONNECTION		BALANCING VALVE
	CAPPED PIPE		RPZ VALVE
	FINNED TUBE RADIATION		BACKFLOW PREVENTER
	FLOOR DRAIN		FLOOR CLEANOUT
	SHOCK ABSORBER		CLEANOUT
	SUPPLY DUCT ELBOW DOWN		DUCT SMOKE DETECTOR
	SUPPLY DUCT ELBOW UP		MOTORIZED O.B. DAMPER
	RETURN/EXHAUST ELBOW DOWN		ACCESS PANEL
	RETURN/EXHAUST ELBOW UP		ELBOW W/ TURNING VANES
	OUTSIDE AIR ELBOW DOWN		LONG RADIUS DUCT ELBOW
	OUTSIDE AIR ELBOW UP		SUPPLY AIR DIFFUSER
	SUPPLY AIR FLOW		RETURN/EXHAUST AIR REGISTER/GRILLE
	RETURN AIR FLOW		SUPPLY AIR REGISTER
	FIRE DAMPER		SUPPLY DIFFUSER TAKE-OFF W/ VOLUME DAMPER, MAXIMUM FLEX DUCT LENGTH 4'-0"
	FIRE/SMOKE DAMPER		
	SMOKE DAMPER		
	RADIATION DAMPER		
	MANUAL VOLUME DAMPER		
	CONNECT TO EXISTING		

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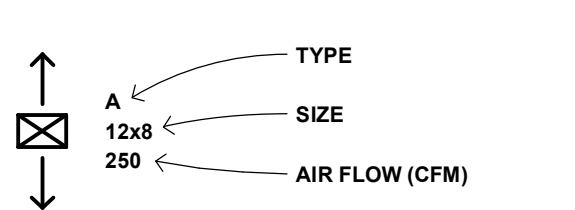
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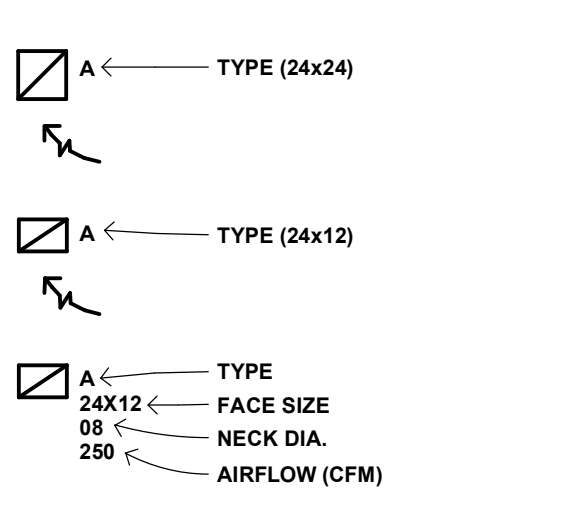
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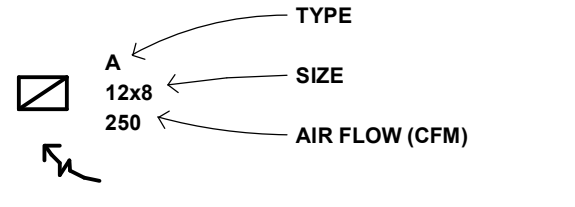
SUPPLY REGISTER OR GRILLE



RETURN GRILLE



EXHAUST, TRANSFER & RETURN REGISTERS & GRILLES



PLUMBING FIXTURE SCHEDULE

FIX. NO.	FIXTURE TYPE	WASTE	VENT	CW	HW	VACUUM	LAB GASES			REMARKS
							AIR	NAT. GAS	OTHER	
P-1	WATER CLOSET	4"	2"	1 1/4"	-	-	-	-	-	-
P-1H	WATER CLOSET (ADA)	4"	2"	1 1/4"	-	-	-	-	-	ADA COMPLIANT
P-2	URINAL	2"	1 1/2"	3/4"	-	-	-	-	-	-
P-2H	URINAL (ADA)	2"	1 1/2"	3/4"	-	-	-	-	-	ADA COMPLIANT
P-3	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	-	-	-	-	ADA COMPLIANT
P-3H	LAVATORY (ADA)	1 1/2"	1 1/2"	1/2"	1/2"	-	-	-	-	ADA COMPLIANT
P-4	MOP BASIN	3"	1 1/2"	3/4"	3/4"	-	-	-	-	-
P-5	WATER COOLER	1 1/2"	1 1/2"	1/2"	-	-	-	-	-	SURFACE MOUNTED, DUAL HEIGHT WITH BOTTLE FILLER
P-6	SHOWER	-	-	1/2"	1/2"	-	-	-	-	-
P-6H	SHOWER (ADA)	-	-	1/2"	1/2"	-	-	-	-	-
P-7H	TWO BASIN SINK (ADA)	2"	1 1/2"	1/2"	1/2"	-	-	-	-	ADA COMPLIANT
P-8	LAB TABLE FIXTURE	2"	1 1/2"	1/2"	1/2"	-	-	-	-	1 CW AND HW FAUCET
P-8A	GAS TURRET (QUAD)	-	-	-	-	-	-	1/2"	-	-
P-8B	GAS TURRET (DUAL)	-	-	-	-	-	-	1/2"	-	-
P-10	EMERGENCY EYEWASH	-	-	-	-	-	-	-	-	-
P-11H	SINGLE SINK (ADA)	2"	1 1/2"	1/2"	1/2"	-	-	-	-	ADA COMPLIANT
P-12	ART ROOM SINK	2"	1 1/2"	1/2"	1/2"	-	-	-	-	PROVIDE WITH SOLIDS INTERCEPTOR
P-12H	ART ROOM SINK (ADA)	2"	1 1/2"	1/2"	1/2"	-	-	-	-	ADA COMPLIANT PROVIDE WITH SOLIDS INTERCEPTOR
P-13	SERVICE SINK	2"	1 1/2"	1/2"	1/2"	-	-	-	-	ADA COMPLIANT
P-14	WATER COOLER	1 1/2"	1 1/2"	1/2"	-	-	-	-	-	SURFACE MOUNTED, DUAL HEIGHT NO BOTTLE FILLER

EXISTING FIN TUBE RADIATION SCHEDULE - HOT WATER

UNIT NO.	SERVES	ENCLOSURE TYPE	CONTROL TYPE	EWT	LWT	EAT	OUTPUT MBH	GPM	REMARKS
EX FTR-C1	C103A - JANITOR'S CLOSET	SLOPE-TOP		160	140	65	2.5	0.4	
EX FTR-C2	C103A - JANITOR'S CLOSET	BARE FIN		160	140	65	9.2	1.2	
EX FTR-C3	C113 - JANITOR'S CLOSET	BARE FIN		160	140	65	9.2	1.4	
EX FTR-C4	C113 - JANITOR'S CLOSET	SLOPE-TOP		160	140	65	3.6	0.5	
EX FTR-C5	C203 - JANITOR'S CLOSET	SLOPE-TOP		160	140	65	2.5	0.4	
EX FTR-C6	C203 - JANITOR'S CLOSET	BARE FIN		160	140	65	10.1	1.5	
EX FTR-C7	C216 - JANITOR'S CLOSET	BARE FIN		160	140	65	9.2	1.4	
EX FTR-C8	C216 - JANITOR'S CLOSET	SLOPE-TOP		160	140	65	3.6	0.5	
EX FTR-C9	C301 - STORAGE	SLOPE-TOP		160	140	65	9.6	1.5	
EX FTR-C10	C305 - JANITOR'S CLOSET	SLOPE-TOP		160	140	65	3.7	0.6	
EX FTR-C11	C305 - JANITOR'S CLOSET	BARE FIN		160	140	65	10.6	1.6	
EX FTR-C12	C314 - JANITOR'S CLOSET	BARE FIN		160	140	65	9.7	1.5	
EX FTR-C13	C314 - JANITOR'S CLOSET	SLOPE-TOP		160	140	65	4.6	0.7	
EX FTR-E1	E112 - TICKETS	SLOPE-TOP		160	140	65	-	0.3	

GRILLES, REGISTERS AND DIFFUSERS SCHEDULE

TYPE	SERVICE	MANUF. & MODEL NO.	DESCRIPTION	REMARKS
A	SUPPLY AIR DIFFUSER (LAY-IN CEILING MOUNT)	TITUS MODEL TMS BORDER TYPE 3	24" x 24" STEEL 3 CONE LOUVERED FACE SUPPLY AIR DIFFUSER WITH ROUND INLET NECK, HEAVY GAUGE STEEL BACK PAN, AND FACTORY BAKED WHITE ENAMEL FINISH.	
B	RETURN GRILLE (LAY-IN CEILING MOUNT)	TITUS MODEL 50F BORDER TYPE 7	ALUMINUM 1/2" x 1/2" x 1/2" EGG CRATE GRILLE OF THE SIZE INDICATED ON THE PLANS. PROVIDE WITH BORDER CHANNEL, AND FACTORY BAKED WHITE ENAMEL FINISH.	
C	SUPPLY REGISTER (SURFACE MOUNT)	TITUS MODEL 300RL	ALL STEEL SUPPLY REGISTER OF THE SIZE AS INDICATED ON THE PLANS. PROVIDE WITH DOUBLE DEFLECTION HORIZONTAL FRONT BLADES, 1/2" SPACING, OPPOSED BLADE DAMPER, AND BAKED WHITE ENAMEL FINISH.	
D	EXHAUST REGISTER (SURFACE MOUNT)	TITUS MODEL 350RL	ALL STEEL EXHAUST REGISTER OF THE SIZE AS INDICATED ON THE PLANS. PROVIDE WITH SINGLE DEFLECTION HORIZONTAL BLADES AT A FIXED 35° PATTERN AT 1/2" SPACING, OPPOSED BLADE DAMPER, AND FACTORY BAKED WHITE ENAMEL FINISH.	
E	RETURN, EXHAUST, TRANSFER GRILLE (SURFACE MOUNT)	TITUS MODEL 350RL	SAME AS EXHAUST REGISTER D EXCEPT WITHOUT THE OPPOSED BLADE DAMPER.	
F	SUPPLY AIR DIFFUSER (LAY-IN CEILING MOUNT)	TITUS MODEL PBS-AA BORDER TYPE 3	SAME AS TYPE A EXCEPT ALL ALUMINUM CONSTRUCTION.	
G	SUPPLY REGISTER (SURFACE MOUNT)	TITUS MODEL 350FL	SAME AS TYPE C EXCEPT ALL ALUMINUM CONSTRUCTION.	
H	REGISTER (SURFACE MOUNT)	TITUS MODEL 350FL	SAME AS TYPE D EXCEPT ALL ALUMINUM CONSTRUCTION.	
I	EXHAUST OR TRANSFER GRILLE (SURFACE MOUNT)	TITUS MODEL 350FL	SAME AS TYPE H EXCEPT WITHOUT OPPOSED BLADE DAMPER.	
J	HEAVY DUTY RETURN OR TRANSFER GRILLE (SURFACE MOUNT)	TITUS MODEL 33RL	HEAVY DUTY 16 GAUGE BORDER AND 14 GAUGE BLADE ALL STEEL CONSTRUCTION AT THE SIZE INDICATED ON THE DRAWINGS. PROVIDE WITH 1/2" BAR SPACING AT 36° DEFLECTION WITH BARS IN THE LONG DIMENSION. PROVIDE WITH FACTORY BAKED WHITE ENAMEL FINISH.	
K	ROUND SUPPLY AIR DIFFUSER (SURFACE MOUNT)	TITUS MODEL TMR	STEEL ROUND LOUVERED FACE SUPPLY AIR DIFFUSER OF THE SIZE AS INDICATED ON THE PLANS. PROVIDE WITH REMOVABLE INNER CORE, GASKETING AROUND EDGE WHEN CEILING MOUNTED, AND WHITE ENAMEL FINISH. PROVIDE WITH SAFETY CABLES TO SECURE DIFFUSER TO THE DUCT IN GYMS OR SIMILAR AREAS WHERE DIFFUSER IS SUBJECT TO ABUSE.	
L	LINEAR SUPPLY DIFFUSER (LAY-IN CEILING MOUNT)	TITUS MODEL ML-38 BORDER TYPE 8A	EXTRUDED ALUMINUM 3/4" SLOT WITH LENGTH AND NUMBER OF SLOTS AS INDICATED ON THE PLANS. PROVIDE WITH END PLATES, OPTIONAL PLENUM WITH INLET AS INDICATED ON DRAWINGS. BLANK-OFF PLATES AS REQUIRED. STEEL PATTERN CONTROLLERS (PAINTED BLACK) CAPABLE OF 180° AIR FLOW ADJUSTMENT, AND FACTORY BAKED WHITE ENAMEL FINISH.	
M	LINEAR FLOWBAR DIFFUSER	TITUS MODEL FL-10 BORDER TYPE 11	EXTRUDED ALUMINUM WITH 3" SLOT WIDTH AND NUMBER OF SLOTS AS INDICATED ON THE PLANS. PROVIDE WITH END PLATES, OPTIONAL PLENUM WITH INLET AS INDICATED ON DRAWINGS. BLANK-OFF PLATES AS REQUIRED. STEEL PATTERN CONTROLLERS (PAINTED BLACK) CAPABLE OF 180° AIR FLOW ADJUSTMENT. HIDDEN FLANGE.	

Richfield High School Additions and Renovations

7001 Harriet Avenue  
Richfield, Minnesota 55423

Independent School District #280

7001 Harriet Avenue  
Richfield, Minnesota 55423

Wold

WOLD ARCHITECTS AND ENGINEERS

332 Minnesota Street, Suite W2000  
Saint Paul, MN 55101

woldac.com | 651 227 7773

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

KEVIN MARSHALL

License Number: 23989 Date: 1/22/2019

Revisions

Description Date Num

ADDENDUM #2 2/12/19 1

PR #001 04/30/2019 2

Comm: 172297

Date: 1/22/2019

Drawn: NS

Check: JC

North

MECHANICAL SCHEDULES, ABBREVIATIONS, LINETYPES

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

M8.204





## Richfield High School Additions and Renovations

Occurrence

COR #

Field Direction

006

		Unit Rate	Qty	Subtotal
<b>Labor</b>				<b>\$ 6,367.12</b>
Laborer	Demo, rvm, dispose plaster ceiling/wall	\$ 70.96	36.5	\$ 2,590.04
Laborer	Demo, rvm, dispose plaster ceiling/wall	\$ 70.96	36.5	\$ 2,590.04
Laborer Foreman	Demo, rvm, dispose plaster ceiling/wall	\$ 74.19	16.0	\$ 1,187.04
				\$ -
				\$ -
<b>Materials</b>				<b>\$ 146.63</b>
<b>Atomic</b>	Roll-off dumpster	\$ 293.25	0.5	\$ 146.63
				\$ -
				\$ -
				\$ -
				\$ -
<b>Equipment</b>				<b>\$ -</b>
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
<b>Subcontractors</b>				<b>\$ -</b>
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -

**Subtotal \$ 6,513.75**

<b>Labor Markup</b>	<b>\$ 636.71</b>
<b>Materials Markup</b>	<b>\$ 14.66</b>
<b>Equipment Markup</b>	<b>\$ -</b>
<b>Subcontractor Markup</b>	<b>\$ -</b>
<b>Grand Total</b>	<b>\$ 7,165.12</b>

### COMMENTS

Ceiling demo 1st Floor Area M = 1,054 SF, Wall demo 1st Floor Area M = 88 SF, Ceiling demo Basement Area M



Portable Sanitation & Climate Control  
1.800.210.8407 | onsiteco.com | sales@onsiteco.com

Basement

2 days  
2 people

32 hours



Portable Sanitation & Climate Control  
1.800.210.8407 | onsiteco.com | sales@onsiteco.com

3 hours

3 people

9 hours

wall

9'9"

9'

Plaster 60"

13'

bill

14'

7'6"

7'



Portable Sanitation & Climate Control  
1.800.210.8407 | onsiteco.com | sales@onsiteco.com

3 days  
2 people

48 hours

**OLD BUSINESS - FOR ACTION**

**Agenda Item V.B.**

**Board of Education**  
Independent School District 280  
Richfield, Minnesota

**Regular Meeting, August 5, 2019**

**Subject: RHS Facilities Project Change Order #2**

(Recommended by the Superintendent)

That the Board of Education approves RHS Facilities Project Change Order #2 with LS Black Constructors for net increase of \$211,309.45 due to mechanical modifications to the project due to unforeseen conditions affecting the current and planned phasing of the project.

**Background Information**

Change order number two provides modifications to the overall mechanical heating and cooling plans due to several mechanical piping lines that were discovered to be not located as currently installed on the building plans. A revised plan was developed in partnership with the mechanical contractors and Wold's mechanical team to move a heat exchanger to a new location closer to the boiler room and then extend new hot water piping to feed the new units. It also includes installing new hot water coils that were planned for next summer's phase, this summer.

The redesign changes the scheduling for both the installation and demolition components of the mechanical project and reprioritization of the work. This results in the demolition of the existing piping in two tunnel areas previously scheduled for 2020 as related to the additional asbestos abatement for this summer.

Original project cost was \$35,430,000.00. The total cost of the project is now \$35,667,249.99.



ICS Consulting, Inc.  
3890 Pheasant Ridge Drive N.E., Suite 180  
Blaine, Minnesota 55449  
Phone: (763) 354-2670  
Fax: (763) 780-2866

**Project:** S180064 - RHS - ISD #280, Richfield High School  
7001 Harriet Avenue South  
Richfield, Minnesota 55423

**DRAFT****Contract Change Order #002: L.S. Black CO 002**

<b>CONTRACT COMPANY:</b>	<b>L.S. Black Constructors, Inc.</b> 1959 Sloan Place, Suite 140 St. Paul, Minnesota 55117	<b>CONTRACT FOR:</b>	SC-S180064 - RHS-001:L.S. Black Single Prime Contract
<b>DATE CREATED:</b>	7/26/2019	<b>CREATED BY:</b>	Raeann Wynn (ICS Consulting, Inc. - Blaine, MN)
<b>CONTRACT STATUS:</b>	Draft	<b>REVISION:</b>	0
<b>REQUEST RECEIVED FROM:</b>		<b>LOCATION</b>	
<b>DESIGNATED REVIEWER:</b>		<b>REVIEWED BY:</b>	
<b>DUE DATE:</b>		<b>REVIEW DATE:</b>	
<b>INVOICED DATE:</b>		<b>PAID DATE:</b>	
<b>REFERENCE:</b>		<b>CHANGE REASON:</b>	
<b>PAID IN FULL:</b>	No	<b>EXECUTED:</b>	No
<b>ACCOUNTING METHOD:</b>	Amount Based	<b>SCHEDULE IMPACT:</b>	0 days
<b>FIELD CHANGE:</b>	No	<b>TOTAL AMOUNT:</b>	\$211,309.45

**DESCRIPTION:**

Added costs for temporary and future mechanical and plumbing work associated with keeping the existing system running until future phases. Credit received for going with carbon steel flow meters versus stainless steel.

CE #012 - PR #005 Heating System Revisions for Construction Phasing: \$213,309.45

CE #048 - PR #007 BAS Carbon Steel Flow Meters: (\$2,000.00)

**ATTACHMENTS:**

CE 012-PR 005 Pricing.pdf CE 048-PR 007 Pricing.pdf

**CHANGE ORDER LINE ITEMS:**

The original (Contract Sum)	\$ 35,430,000.00
Net change by previously authorized Change Orders	\$ 0.00
The contract sum prior to this Change Order was	\$ 35,430,000.00
The contract sum would be changed by this Change Order in the amount of	\$ 211,309.45
The new contract sum including this Change Order will be	\$ 35,641,309.45
The contract time will not be changed by this Change Order by 0 days	

**L.S. Black Constructors, Inc.**  
1959 Sloan Place, Suite 140  
St. Paul Minnesota 55117

**Wold Architects & Engineers**  
332 Minnesota Street, Suite W2000  
St. Paul Minnesota 55101

**Independent School District #280**  
7001 Harriet Avenue S.  
Richfield Minnesota 55423

SIGNATURE

DATE

SIGNATURE

DATE

SIGNATURE

DATE



## Richfield High School Additions and Renovations

Occurrence  
PR #005

COR #

8

		Unit Rate	Units	Subtotal
Labor				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Materials				\$ 1,173.00
Atomic	Dumpsters for additional steam pipe demo	\$ 293.25	4	\$ 1,173.00
				\$ -
				\$ -
				\$ -
				\$ -
Equipment				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Subcontractors				\$ 201,923.00
Weidners	Piping and equipment changes	\$ 184,079.00	1	\$ 184,079.00
McDowall	Equipment expedite and controls work	\$ 17,844.00	1	\$ 17,844.00
				\$ -
				\$ -
				\$ -
Subtotal				\$ 203,096.00
Labor Markup				\$ -
Materials Markup				\$ 117.30
Equipment Markup				\$ -
Subcontractor Markup				\$ 10,996.15
Grand Total				\$ 213,309.45

### COMMENTS

Pricing revised per discussions between ics and Weidners.



**WEIDNER'S Plumbing and Heating**  
29 Wilson Ave NE, St Cloud MN 56304

**TO:** LS BLACK  
**ATTN:** JUSTIN RICE  
**PROJECT:** RICHFIELD HIGH SCHOOL  
**DATE:** May 30, 2019  
**CO# :** PR 5, UPDATED

**CONTACT NAME:** DAN GOEBEL

### COST SUMMARY

Description	Cost
Labor Total	\$ 127,441.80
10 % Overhead & Profit	\$ 12,744.18
<b>Labor Total</b>	<b>\$ 140,185.98</b>
Materials & Equipment Total	\$ 29,599.50
Tax on Materials & Equipment Only	\$ 2,184.44
SubTotal	\$ 31,783.94
10% Overhead & Profit	\$ 3,178.39
<b>Material &amp; Equipment Total</b>	<b>\$ 34,962.34</b>
Subcontractors	\$ 13,267.68
5% Overhead & Profit on Subs	\$ 663.38
<b>Subcontractor Total</b>	<b>\$ 13,931.06</b>
<b>TOTAL COST OF CHANGE</b>	<b>\$ <del>189,079.00</del> \$184,079.00</b>

Labor By Task	Hours	Hourly Cost	Total Cost
			\$ -
PIPING LABOR	782	\$ 90.90	\$ 71,083.80
EXPLORATION TIME	320	\$ 90.90	\$ 29,088.00
ADDITIONAL - OVERTIME	600	\$ 45.45	\$ 27,270.00
(APPROXIMATELY 3000 HOURS FROM 2020 TO 2019)			\$ -
			\$ -
<b>Sub-Total</b>			<b>\$ 127,441.80</b>
Materials and Equipment By Task	Total Cost		
			\$ -
SEE ATTACHED FOR DETAILS			\$ 29,599.50
			\$ -
			\$ -
			\$ -
			\$ -
<b>Sub-Total</b>			<b>\$ 29,599.50</b>
Sub-Contractor	Total Cost		
			\$ -
INSULATION - PRIME, PLUMBING			\$ 2,491.68
INSULATION - IMI, HYDRONIC			\$ 10,776.00
			\$ -
<b>Sub-Total</b>			<b>\$ 13,267.68</b>



<b>STEAM</b>			
STEEL PIPE 6"	40	23.77	950.80
STEEL PIPE 3"	115	9.19	1,056.85
STEEL PIPE 2"	180	6.96	1,252.80
<b>WELD FITTINGS</b>			
6"	6	46.70	280.20
3"	13	10.33	134.29
2" - IP	18	10.94	196.92
<b>GATE VALVES</b>			
6"	1	692.00	692.00
3"	3	346.00	1,038.00
2"	3	88.00	264.00
<b>FLANGES</b>			
6"	2	43.63	87.26
3"	6	21.16	126.96
<b>HOT WATER - NIRON</b>			
8" PIPE	120	34.82	4,178.40
8" FITTING	11	206.00	2,266.00
8" BUTTERFLY	3	336.23	1,008.69
8" FLANGES	6	250.00	1,500.00
<b>DOMESTIC - NIRON</b>			
3" PIPE	105	11.50	1,207.50
3" FITTINGS	7	43.82	306.74
3" BUTTERFLY	3	123.83	371.49
3" FLANGES	6	55.00	330.00
<b>MISC MATERIALS</b>	1	1,500.00	1,500.00
<b>HANGERS</b>	1	250.00	250.00
<b>CVZ EXCHANGER</b>	1	8,135.00	8,135.00
<b>16" WELD</b>	1	752.00	752.00
<b>FTR - STEEL TO MAKE TRANSFER FROM STEAM TO HOT WATER</b>	1	1,713.60	1,713.60
		<b>TOTAL MATERIALS</b>	<b>29,599.50</b>



**MASTERING**  
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## CHANGE ORDER PROPOSAL

July 2, 2019

LS Black Construction  
1959 Sloan Place  
Suite 220  
Saint Paul, Minnesota 55117

**ATTENTION:** Justin Rice

**PROJECT NAME:** Richfield High School Additions & Renovations  
**PROPOSAL REQUEST NUMBER:** PR - 005

**DESCRIPTION OF CHANGE:**

Expedite AHU Coil Sections for area F to complete during phase 2. Controls and balancing for expedited/added work

DESCRIPTION OF COSTS:		Labor:	Materials:	Subcontract:
McDowall Company	Regular Rate	\$ -	\$ 8,340.00	\$ 6,585.00
	Overtime Premium	\$ 960.00		
<b>Subtotals</b>		\$ 960.00	\$ 8,340.00	\$ 6,585.00
<b>Sales Tax at 7.625% on Materials</b>		\$ -	\$ 635.93	\$ -
<b>O&amp;P at 10% on Labor and Materials</b>		\$ 96.00	\$ 897.59	\$ -
<b>Profit at 5% on Subcontractors</b>		\$ -	\$ -	\$ 329.25
<b>Totals</b>		\$ 1,056.00	\$ 9,873.52	\$ 6,914.25

**TOTAL PRICE OF CHANGE PROPOSAL: \$ 17,844.00**

SEE PAGE 2 FOR BREAKDOWN OF THIS CHANGE PROPOSAL.

THIS PROPOSAL IS VOID UNLESS NOTIFICATION TO PROCEED IS RECEIVED IN WRITING WITHIN 30 WORKDAYS.

**EXCLUSIONS:** General Construction, Cutting & Patching, Roofing, Electrical

**LEAD TIME ON EQUIPMENT:** N/A

**Submitted By:** Will Stadel Project Manager McDowall Co. 7/2/2019  
Name Title Company Date



Roofing



Heating



Air Conditioning



Energy Management



P.O. Box 606 • Waite Park, MN 56387 • Phone: 320-251-8640 • Fax: 320-251-9317 • [www.mcdowallco.com](http://www.mcdowallco.com)

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# MASTERING the *Elements*

**Date:** 07/02/19

**\$ 17,843.77**



## Roofing



## Heating



## Air Conditioning



## Energy Management



## Contract - Job Change Request



CONTRACTOR:  DATE:

ADDRESS:  CITY:  STATE:

ATTENTION:

JOB NAME:  PR#  UHL#

Per Your Request: ☐ VERBAL ☐ PHONE ☐ FAX ☐ MAIL ☐ EMAIL

### CHANGE REQUEST DESCRIPTION:

Add 1 Steam to hot water converter.

TOTAL Add :

UHL COMPANY, INC.

### PLEASE SIGN AND RETURN:

CONTRACTOR:

NAME:



Richfield High School Additions and Renovations

Occurrence  
PR-007

COR #

29

		Unit Rate	Units	Subtotal
Labor				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Materials				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Equipment				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Subcontractors				\$ (2,000.00)
McDowall	Material change	\$ (2,000.00)	1	\$ (2,000.00)
				\$ -
				\$ -
				\$ -
				\$ -
Subtotal				\$ (2,000.00)
Labor Markup				\$ -
Materials Markup				\$ -
Equipment Markup				\$ -
Subcontractor Markup				\$ -
Grand Total				\$ (2,000.00)

COMMENTS

None





**MASTERING**  
the **Elements**

## CHANGE ORDER PROPOSAL

July 19, 2019

LS Black Construction  
1959 Sloan Place  
Suite 220  
Saint Paul, Minnesota 55117

**ATTENTION:** Robert Dew

**PROJECT NAME:** Richfield High School Additions & Renovations  
**PROPOSAL REQUEST NUMBER:** PR-022

**DESCRIPTION OF CHANGE:**

Provide Onicon F-3100 carbon steel flow meters on Stem in lieu of the Onicon stainless steel meters.

DESCRIPTION OF COSTS:		Labor:	Materials:	Subcontract:
McDowall Company	Regular Rate	\$ -	\$ -	\$ (2,000.00)
	Overtime Premium	\$ -		
<b>Subtotals</b>		\$ -	\$ -	\$ (2,000.00)
<b>Sales Tax at 7.625% on Materials</b>		\$ -	\$ -	\$ -
<b>O&amp;P at 10% on Labor and Materials</b>		\$ -	\$ -	\$ -
<b>Profit at 5% on Subcontractors</b>		\$ -	\$ -	\$ -
<b>Totals</b>		\$ -	\$ -	\$ (2,000.00)

**TOTAL PRICE OF CHANGE PROPOSAL: \$ (2,000.00)**

SEE PAGE 2 FOR BREAKDOWN OF THIS CHANGE PROPOSAL.

THIS PROPOSAL IS VOID UNLESS NOTIFICATION TO PROCEED IS RECEIVED IN WRITING WITHIN 30 WORKDAYS.

**EXCLUSIONS:** General Construction, Cutting & Patching, Roofing, Electrical

**LEAD TIME ON EQUIPMENT:** N/A

**Submitted By:** Will Stadel Project Manager McDowall Co. 7/19/2019  
Name Title Company Date



Roofing



Heating



Air Conditioning



Energy Management



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the **Elements**

## CHANGE ORDER COST BREAKDOWN

**PROJECT NAME:**

Richfield High School Additions & Renovations

**PROPOSAL REQUEST #:**

PR-022

**Date:** 07/19/19

SCOPE	QTY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT	LABOR HOURS
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				<b>SUBTOTAL</b>	\$ -	\$ -
				<b>SALES TAX</b>	\$ -	N/A
				<b>LABOR RATE</b>	N/A	\$ 105.00
				<b>PREMIUM RATE (OVERTIME)</b>	N/A	\$ 30.00
				<b>10% O&amp;P MARK-UP</b>	\$ -	\$ -
				<b>McDOWALL TOTAL</b>	\$ -	\$ -

### SUBCONTRACTOR COSTS:

ADD/DEDUCT	SCOPE	SUBCONTRACTOR	AMOUNT
Deduct	Temperature Control Work	UHL Company	\$ (2,000.00)
Add	Ductwork Insulation	Prime Mechanical Insulation	\$ -
Add	Test and Balance Work	Flow Dynamic Balancing	\$ -
Add	Refrigeration Piping	Davis Mechanical Systems	\$ -
			\$ -
		SUBTOTAL	\$ (2,000.00)
		5% SUBCONTRACTOR MARK-UP	\$ -
		SUBCONTRACTOR TOTAL	\$ (2,000.00)

**PROPOSAL REQUEST TOTAL:**

**\$ (2,000.00)**



Roofing



Heating



Air Conditioning



Energy Management



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Equal Opportunity Employer/Contractor

## Contract - Job Change Request



CONTRACTOR:  DATE:

ADDRESS:  CITY:  STATE:

ATTENTION:

JOB NAME:  PR#  UHL#

Per Your Request: ☐ VERBAL ☐ PHONE ☐ FAX ☐ MAIL ☐ EMAIL

### CHANGE REQUEST DESCRIPTION:

Provide Onicon F-3100 carbon steel flow meters on Stem in lieu of the Onicon stainless steel meters.

TOTAL Deduct :

UHL COMPANY, INC.

### PLEASE SIGN AND RETURN:

CONTRACTOR:

NAME:



## PROPOSAL REQUEST

ISD #280 – Richfield Public Schools	Richfield High School
LS Black Constructors	Attn: Justin Rice
1959 Sloan Place, Suite 220	
Saint Paul, Minnesota 55117	
651-774-8445	651-774-9695
rdew@lsblack.com	

Submit an itemized (labor and material) quotation for the proposed modifications to the contract documents as described herein within 21 days of receipt. If a cost is not submitted within 21 days, this Proposal Request can be accepted at no additional cost. Written approval is required prior to proceeding with this change.  COST EXPECTATIONS: <input checked="" type="checkbox"/> DEDUCT <input type="checkbox"/> NO COST <input type="checkbox"/> ADD	PR: #007
	Comm: #172297
	Const. Pkg: #

### Distribution:

- ☒ Dan Kretsinger, 280
- ☐ Rick Regnier, Richfield
- ☒ Andy Faulker, ICS
- ☒ Taylor Rugroden, ICS
- ☒ Dave Phillips, ICS
- ☐ Chris Ghormley, AJA
- ☐ Matt Ricker, BKBM
- ☐ Alex Smith, BKBM
- ☒ John Dunne, Rippe
- ☐ Abdual Ganamo, Wold
- ☐ N. M.-Alquicira, Wold
- ☒ Ryan Charlton, Wold
- ☒ Joe Matlock, Wold
- ☒ Jim Gausman, Wold
- ☒ Michael Klass, Wold
- ☒ John Kretchmer, Wold

Item	Description
7.0	<b>BAS Flow Meter Substitution</b>
7.1	Provide Onicon F-3100 carbon steel flow meters on Richfield school projects in lieu of the Onicon stainless steel meter.

Attachments: None

Issued By: Jim Gausman

Date: 7/10/2019

**Wold Architects and Engineers**  
332 Minnesota Street, Suite W2000  
Saint Paul, MN 55101  
woldae.com | 651 227 7773

**PLANNERS  
ARCHITECTS  
ENGINEERS**

**OLD BUSINESS - FOR ACTION**

**Agenda Item V.C.**

**Board of Education**  
Independent School District 280  
Richfield, Minnesota

**Regular Meeting, August 5, 2019**

**Subject: RHS Facilities Project Change Order #3**

(Recommended by the Superintendent)

That the Board of Education approves RHS Facilities Project Change Order #3 with LS Black Constructors for net increase of \$22,307.10 due to site utility modifications, existing conditions and improvements in project scope.

**Background Information**

Change order number three provides modifications to the site utility work, and addressing the overall work associated with the existing electrical vault. Also included in this change are the adding the IT server room cooling onto the emergency generator panel overall control as well as the additional canopy demolition costs not shown on the plans. The change from belt driven fans to direct drive fans is a current add to the scope that will decrease the overall cost of equipment for the mechanical systems.

Original project cost was \$35,430,000.00. The total cost of the project is now \$35,687,557.09.



**CCO #003**

ICS Consulting, Inc.  
3890 Pheasant Ridge Drive N.E., Suite 180  
Blaine, Minnesota 55449  
Phone: (763) 354-2670  
Fax: (763) 780-2866

**Project:** S180064 - RHS - ISD #280, Richfield High School  
7001 Harriet Avenue South  
Richfield, Minnesota 55423

**DRAFT****Contract Change Order #003: L.S. Black CO 003**

<b>CONTRACT COMPANY:</b>	<b>L.S. Black Constructors, Inc.</b> 1959 Sloan Place, Suite 140 St. Paul, Minnesota 55117	<b>CONTRACT FOR:</b>	SC-S180064 - RHS-001:L.S. Black Single Prime Contract
<b>DATE CREATED:</b>	7/26/2019	<b>CREATED BY:</b>	Raeann Wynn (ICS Consulting, Inc. - Blaine, MN)
<b>CONTRACT STATUS:</b>	Draft	<b>REVISION:</b>	0
<b>REQUEST RECEIVED FROM:</b>		<b>LOCATION</b>	
<b>DESIGNATED REVIEWER:</b>		<b>REVIEWED BY:</b>	
<b>DUE DATE:</b>		<b>REVIEW DATE:</b>	
<b>INVOICED DATE:</b>		<b>PAID DATE:</b>	
<b>REFERENCE:</b>		<b>CHANGE REASON:</b>	
<b>PAID IN FULL:</b>	No	<b>EXECUTED:</b>	No
<b>ACCOUNTING METHOD:</b>	Amount Based	<b>SCHEDULE IMPACT:</b>	0 days
<b>FIELD CHANGE:</b>	No	<b>TOTAL AMOUNT:</b>	\$22,307.10

**DESCRIPTION:**

Modifications to the sewer system due to unforeseen fiber lines. Modifications to footings near the vault due to as-built of existing footings being incorrect. Upgrading fan belts for better performance. Additional canopy demolition. District request to add main server room HVAC on emergency power.

CE #013 - PR #006 Telecommunications Room Emergency Power: \$11,938.50

CE #023 - PR #012 Civil Manhole 4 and 5 Modifications: \$3,733.80

CE #028 - #9: Wall of existing transformer vault: \$2,270.18

CE #029 - #16: Demolition of existing canopy: \$2,512.42

CE #052 - Change Fan Belts from Belt Drive to Direct Drive: \$1,852.20

**ATTACHMENTS:**

CE 013-PR 006 Pricing.pdf CE 052 Pricing.pdf CE 029-RFI 016 Pricing.pdf CE 028-RFI 009 Pricing.pdf CE 023-PR 012 Pricing.pdf

**CHANGE ORDER LINE ITEMS:**

The original (Contract Sum)	\$ 35,430,000.00
Net change by previously authorized Change Orders	\$ 0.00
The contract sum prior to this Change Order was	\$ 35,430,000.00
The contract sum would be changed by this Change Order in the amount of	\$ 22,307.10
The new contract sum including this Change Order will be	\$ 35,452,307.10
The contract time will not be changed by this Change Order by 0 days	



**CCO #003**

**L.S. Black Constructors, Inc.**  
1959 Sloan Place, Suite 140  
St. Paul Minnesota 55117

**Wold Architects & Engineers**  
332 Minnesota Street, Suite W2000  
St. Paul Minnesota 55101

**Independent School District #280**  
7001 Harriet Avenue S.  
Richfield Minnesota 55423

**SIGNATURE** **DATE**

**SIGNATURE** **DATE**

**SIGNATURE** **DATE**



Richfield High School Additions and Renovations

Occurrence  
PR #006

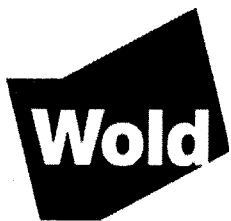
COR #

10

		Unit Rate	Units	Subtotal
Labor				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Materials				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Equipment				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Subcontractors				\$ 11,370.00
Bloomington	EMR and transformer changes	\$ 11,370.00	1	\$ 11,370.00
				\$ -
				\$ -
				\$ -
				\$ -
Subtotal				\$ 11,370.00
Labor Markup				\$ -
Materials Markup				\$ -
Equipment Markup				\$ -
Subcontractor Markup				\$ 568.50
Grand Total				\$ 11,938.50

COMMENTS

None



## PROPOSAL REQUEST

ISD #280 – Richfield Public Schools	Richfield High School
LS Black Constructors	Attn: Justin Rice
1959 Sloan Place, Suite 220	
Saint Paul, Minnesota 55117	
651-774-8445	651-774-9695
rdew@lsblack.com	

<b>COST EXPECTATIONS:</b> <input type="checkbox"/> DEDUCT <input type="checkbox"/> NO COST <input checked="" type="checkbox"/> ADD	<b>PR: #006</b>
	<b>Comm: #172297</b>
	<b>Const. Pkg: #</b>

### Distribution:

- ☒ Dan Kretsinger, 280
- ☐ Rick Regnier, Richfield
- ☒ Andy Faulker, ICS
- ☒ Taylor Rugroden, ICS
- ☒ Dave Phillips, ICS
- ☐ Chris Ghormley, AJA
- ☐ Matt Ricker, BKBM
- ☐ Alex Smith, BKBM
- ☒ John Dunne, Rippe
- ☐ Abdual Ganamo, Wold
- ☐ N. M.-Alquicira, Wold
- ☒ Ryan Charlton, Wold
- ☒ Joe Matlock, Wold
- ☒ Jim Gausman, Wold
- ☒ Michael Klass, Wold
- ☒ John Kretchmer, Wold

Item	Description
6.0	Riser Diagram and panel revision.
6.1	Reissue sheet E5.01 <ul style="list-style-type: none"><li>Demolish panel EMR-2 feeder</li></ul>
6.2	Reissue sheet E5.02 and E6 .11 <ul style="list-style-type: none"><li>Refeed EMR-2 from same transformer as panel EMR-1</li><li>Up size transformer from 30KVA to 45KVA</li></ul>
6.3	Reissue sheet E6 .11 <ul style="list-style-type: none"><li>Up size breaker size from 40A to 60A.</li></ul>

Attachments: E5.01, E5.02 and E6.11

Issued By: \_\_\_\_\_

Date: 5/28/2019

ADD \$ 11,370.<sup>00</sup> per ATTACHED  
Breakdown  
Bloomington Electric Co.  
*[Signature]*

**Wold Architects and Engineers**  
332 Minnesota Street, Suite W2000  
Saint Paul, MN 55101  
woldae.com | 651 227 7773

**PLANNERS  
ARCHITECTS  
ENGINEERS**

# PRICING SHEET



JOB Richfield HS - PR #6  
 WORK Bloomington Electric Co.

ESTIMATE NO.

Sheet No. 1 of 1 Sheets

ESTIMATE NO.

PRICED BY

EXTENDED BY

CHECKED BY

DATE

All cutting, patching, painting, tile replacement Not included

	MATERIAL	QUANTITY	MATERIAL PRICE	PER	MATERIAL EXTENSION	LABOR UNIT	PER	LABOR EXTENSION
1	Item 6.1 - Short 5.01 - Demo feeders				100 <sup>00</sup>		8	
2								
3	Item 6.2 - ES02 - New 4KV trans 1				3000 <sup>00</sup>		✓	
4	30KVA Transformer -	Spun to Owner						
5	100A Disconnect from NEMA	1			400 <sup>00</sup>		8	
6	1/4 Emr	100	200 <sup>00</sup>	C	200 <sup>00</sup>		16	
7	1/4 fittings	20	2 <sup>00</sup>	=	40 <sup>00</sup>		✓	
8	4 - #3	410	1000 <sup>00</sup>	m	410 <sup>00</sup>		8	
9	1# 8 gnd	110	300 <sup>00</sup>	m	33 <sup>00</sup>		2	
10	ADD 60A 3p BKE TO EMER	1			200 <sup>00</sup>		2	
11	(by Existing 9 Spare)							
12	Larger feed Drop - 6.45KVA	1 - lot			300 <sup>00</sup>		4	
13	misc mat Del				50 <sup>00</sup>		✓	
14								
15								
16					4733 <sup>00</sup>		(48)	
17	-mat 4733 <sup>00</sup>							5280 <sup>00</sup>
18								
19	LABOR 5280 <sup>00</sup>							
20								
21	10,013 <sup>00</sup>							
22								
23	P-O 1001 <sup>00</sup>							
24								
25	11,014 <sup>00</sup>							
26								
27	Tax 356 <sup>00</sup>							
28								
29	\$11,370 <sup>00</sup>							
30								
31								
32								
33								
34								

ADD \$ 11,370<sup>00</sup>

per ATTACHED

Breakdown

Bloomington Electric Co.

Totals This Sheet Transferred to Recap By - INITIAL

MATERIAL

LABOR

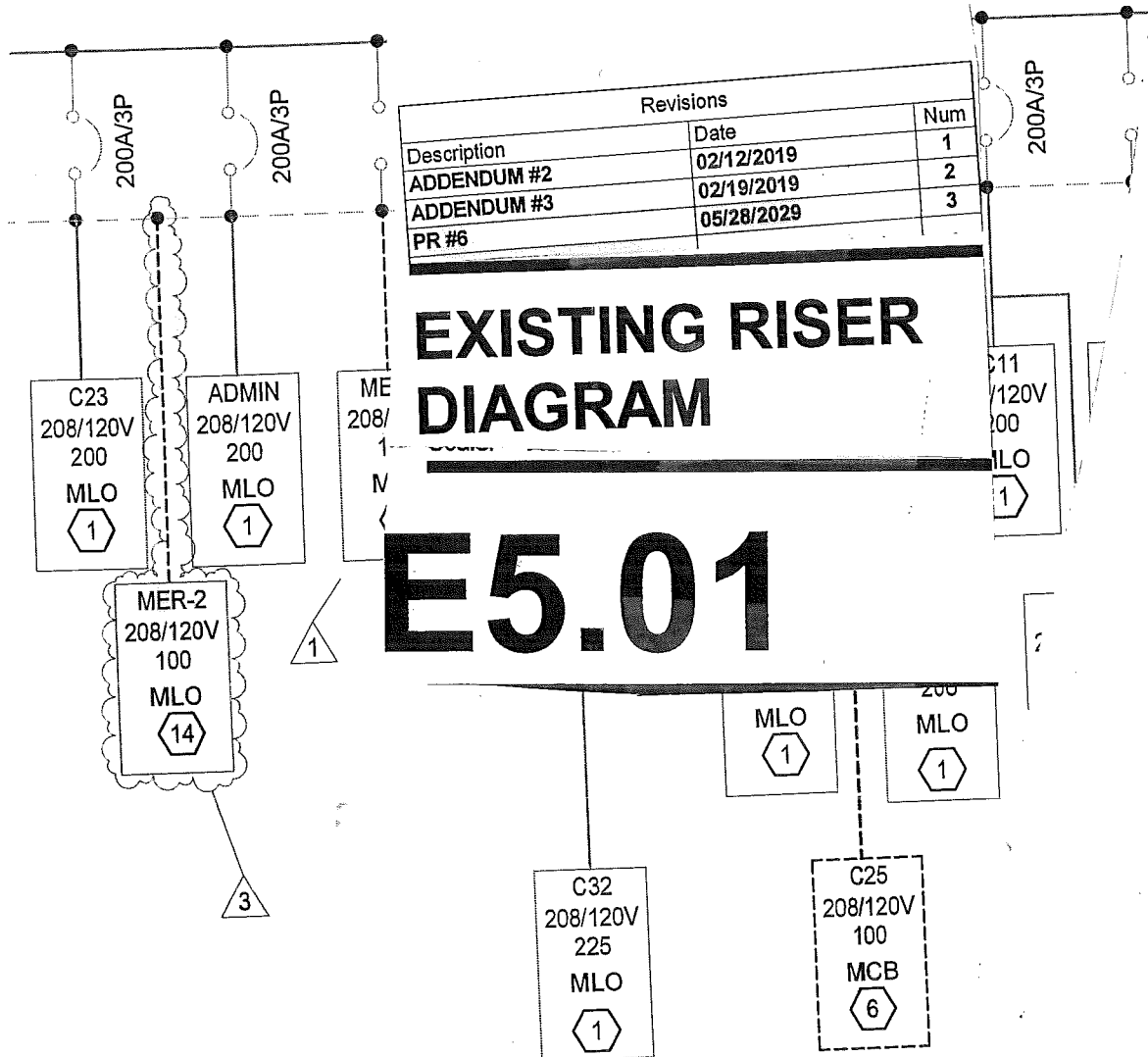


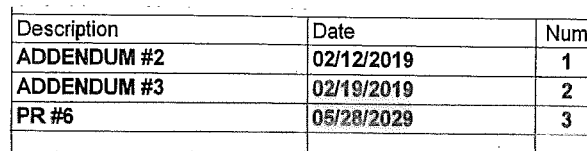
# MSB-1 (208V)

120/208V, 3 PHASE, 4 WIRE  
1600 A

BASMENT AREA 'N'

3





# E5.02

# PANELBOARD: EM-LS1

LOCATION: BASMEN...

VOLTAGE: 480/277V V. 3 Ø 4 W.

MOUNTING: SURFACE

A.I.C.... 22K

MAINS TYPE: MCCB

SPECIAL: SURGE PROTECTION DE

MAINS AMPS: 200 A

BUS AMPS: 200 A

FED FROM:

#	LOAD DESCRIPTION	LT	BKR	P	A		B		C		P	BKR
1	EM-PL1 THROUGH...	LTG;...	40 A	3	0.8	2.1					3	40 A
3	--	--	--	--			1.4	2.2			--	--
5	--	--	--	--					0.2	1.5	--	--
7	EM-PL3 THROUGH...	LTG;...	40 A	3	2.1	1.4					3	40 A
9	--	--	--	--			0.9	1.9			--	--
11	--	--	--	--					0.7	1.6	--	--
13	MER-1/MER-2	--	60 A	3	0.0	0.0					1	20 A
15	--	--	--	--			0.0	0.0			1	20 A
17	--	--	--	--					0.0	0.0	1	20 A
19	Spare										1	20 A
21	Spare										1	20 A
23	Spare										1	20 A
25	Spare										1	20 A
27	Spare										1	20 A
29	Spare										1	20 A
31	Spare										1	20 A
33												
35												
37												
39												
41												
43												
45												
47												
49												

Description	Date	Num
ADDENDUM #1	02/05/2019	1
ADDENDUM #2	02/12/2019	2
ADDENDUM #3	02/19/2019	3
PR #6	05/28/2029	4

## PANEL SCHEDULE E6.11



## PROPOSAL REQUEST

ISD #280 – Richfield Public Schools	Richfield High School
LS Black Constructors	Attn: Justin Rice
1959 Sloan Place, Suite 220	
Saint Paul, Minnesota 55117	
651-774-8445	651-774-9695
rdew@lsblack.com	

Submit an itemized (labor and material) quotation for the proposed modifications to the contract documents as described herein within 21 days of receipt. If a cost is not submitted within 21 days, this Proposal Request can be accepted at no additional cost. Written approval is required prior to proceeding with this change.  COST EXPECTATIONS: <input type="checkbox"/> DEDUCT <input type="checkbox"/> NO COST <input checked="" type="checkbox"/> ADD	PR: #006
	Comm: #172297
	Const. Pkg: #

### Distribution:

- ☒ Dan Kretsinger, 280
- ☐ Rick Regnier, Richfield
- ☒ Andy Faulker, ICS
- ☒ Taylor Rugroden, ICS
- ☒ Dave Phillips, ICS
- ☐ Chris Ghormley, AJA
- ☐ Matt Ricker, BKBM
- ☐ Alex Smith, BKBM
- ☒ John Dunne, Rippe
- ☐ Abdual Ganamo, Wold
- ☐ N. M.-Alquicira, Wold
- ☒ Ryan Charlton, Wold
- ☒ Joe Matlock, Wold
- ☒ Jim Gausman, Wold
- ☒ Michael Klass, Wold
- ☒ John Kretchmer, Wold

Item	Description
6.0	<b>Riser Diagram and panel revision.</b>
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	• Up size transformer from 30KVA to 45KVA
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	• Up size breaker size from 40A to 60A.

Attachments: E5.01, E5.02 and E6.11

Issued By: \_\_\_\_\_ Date: 5/28/2019

**Wold Architects and Engineers**  
332 Minnesota Street, Suite W2000  
Saint Paul, MN 55101  
woldae.com | 651 227 7773

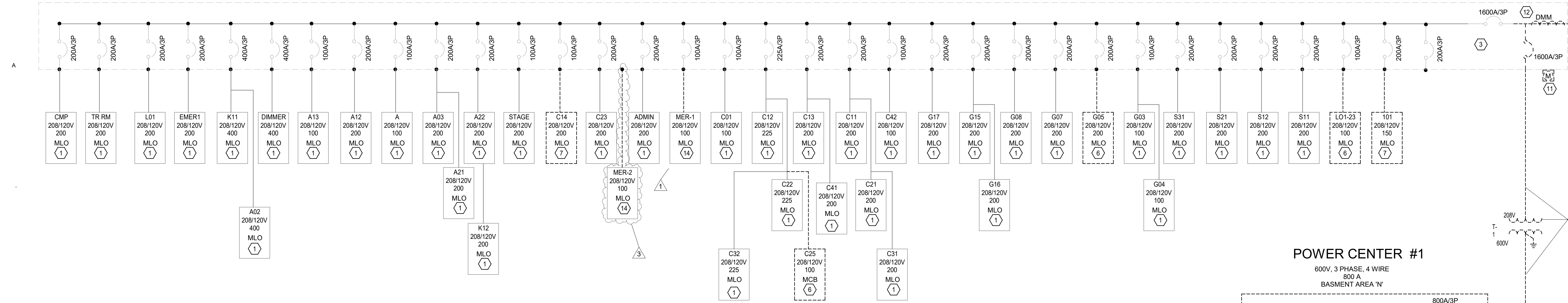
**PLANNERS  
ARCHITECTS  
ENGINEERS**

MN

E

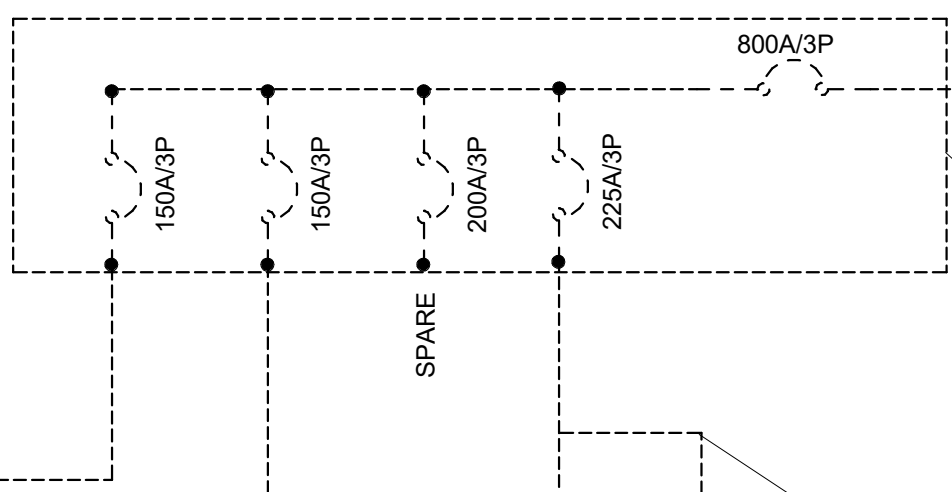
MSB-1 (208V)

120/208V, 3 PHASE, 4 WIRE  
1600 A  
BASMENT AREA 'N'



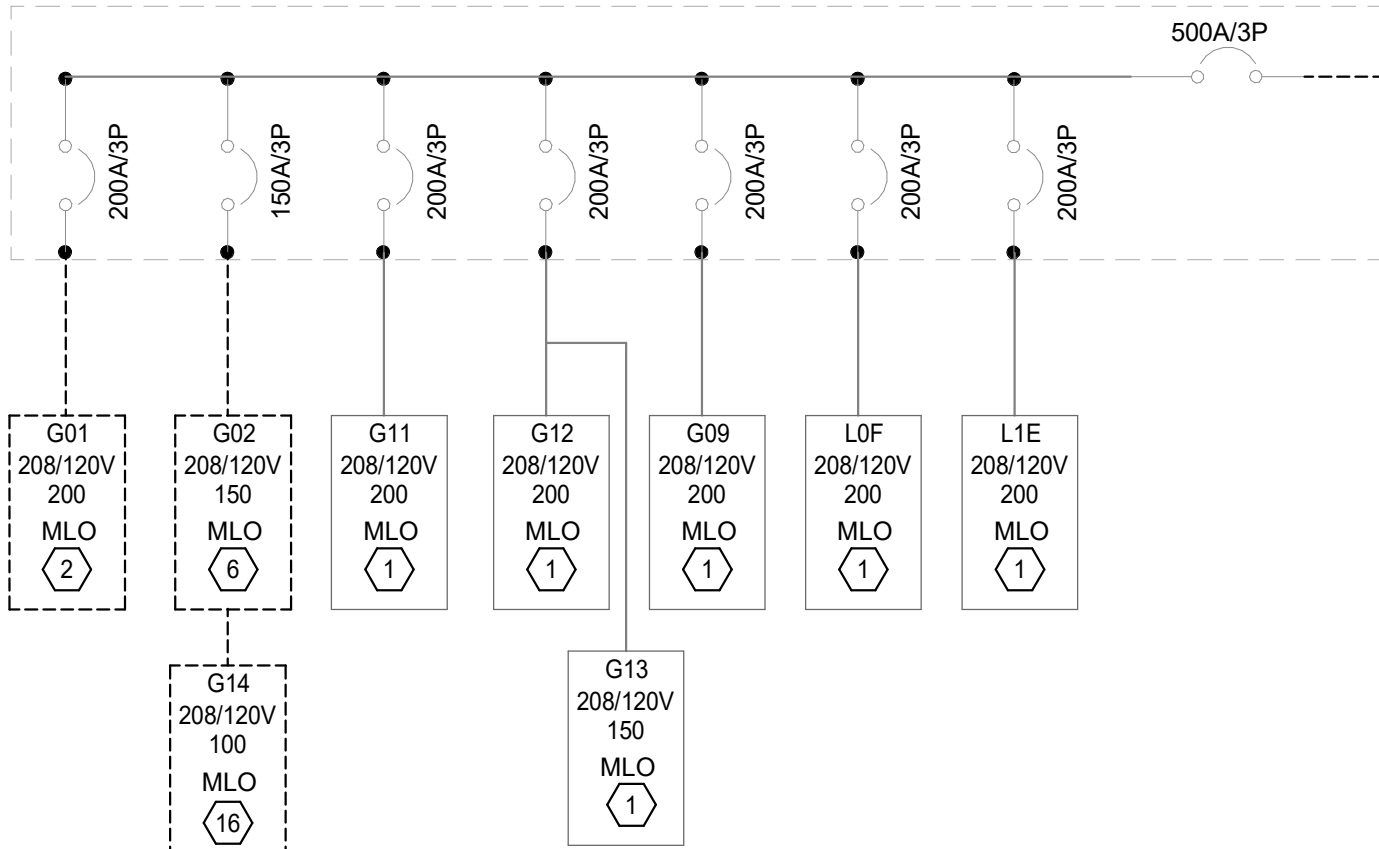
POWER CENTER #1

600V, 3 PHASE, 4 WIRE  
800 A  
BASMENT AREA 'N'



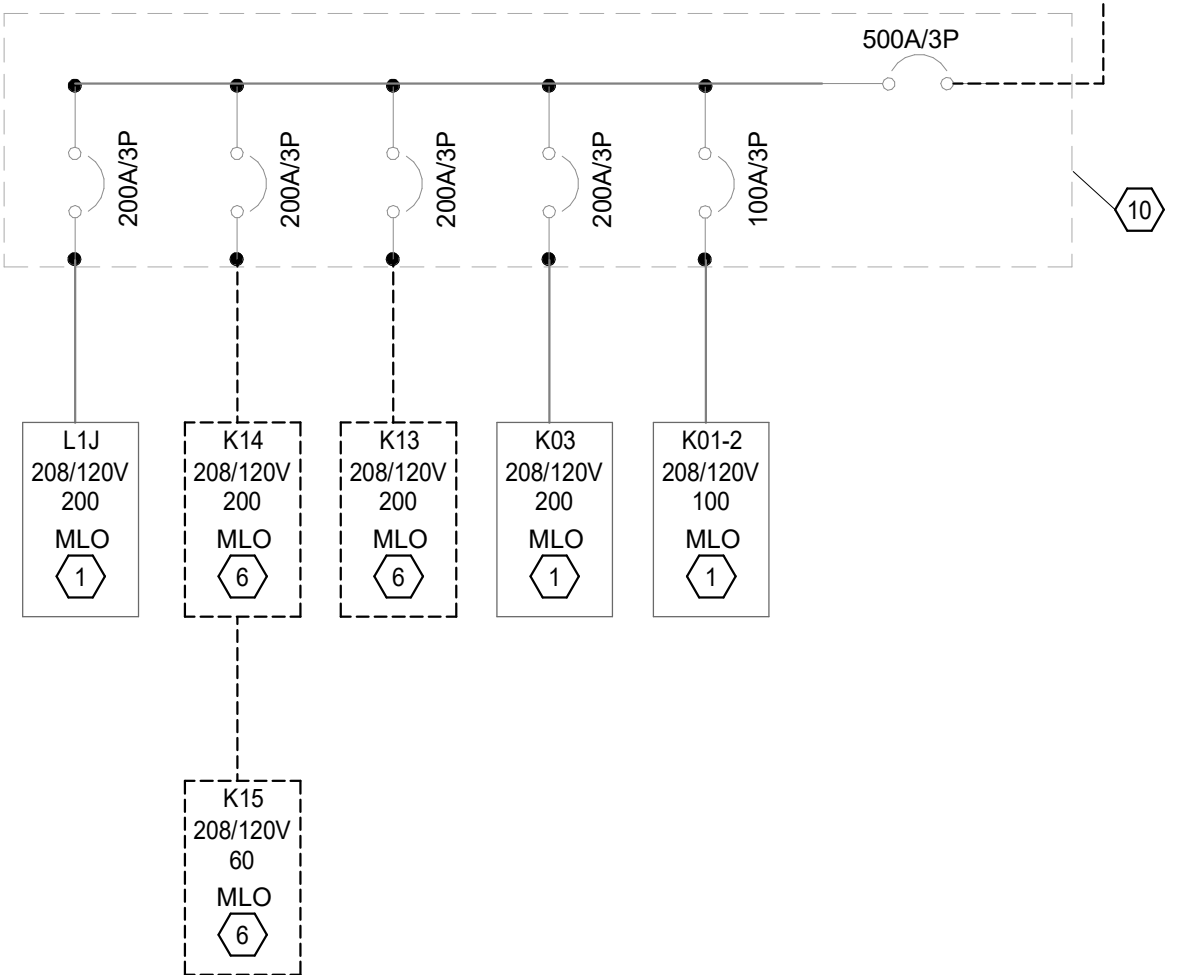
POWER CENTER #4

120/208V, 3 PHASE, 4 WIRE  
600 A  
BASMENT AREA 'E'



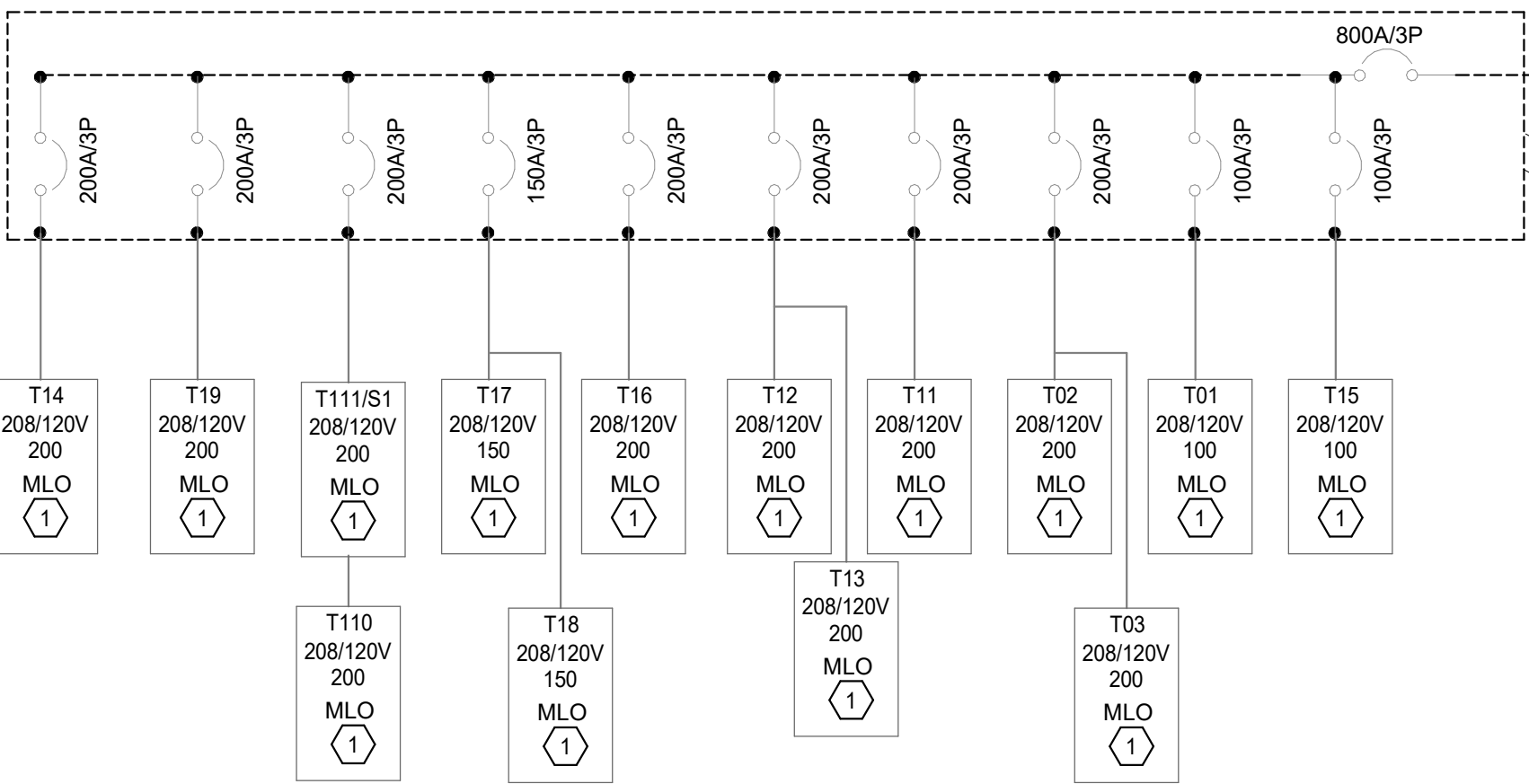
POWER CENTER #5

120/208V, 3 PHASE, 4 WIRE  
600 A  
BASMENT AREA 'J'



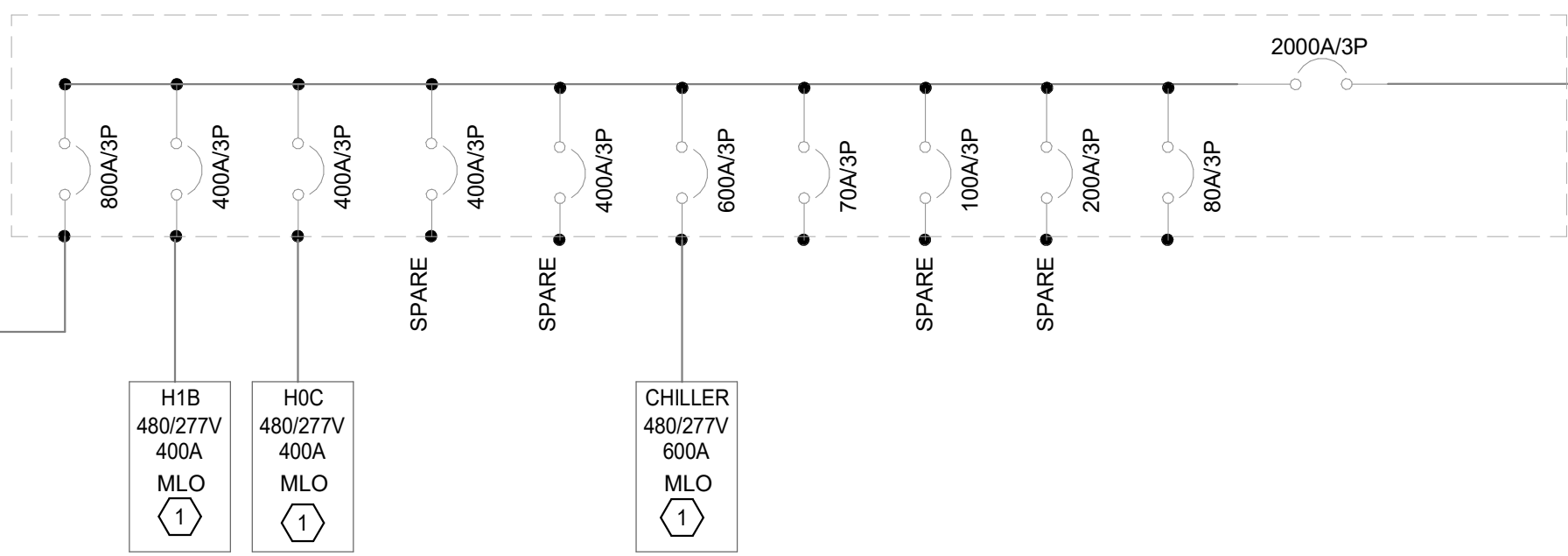
POWER CENTER #2

120/208V, 3 PHASE, 4 WIRE  
800 A  
BOILER ROOM



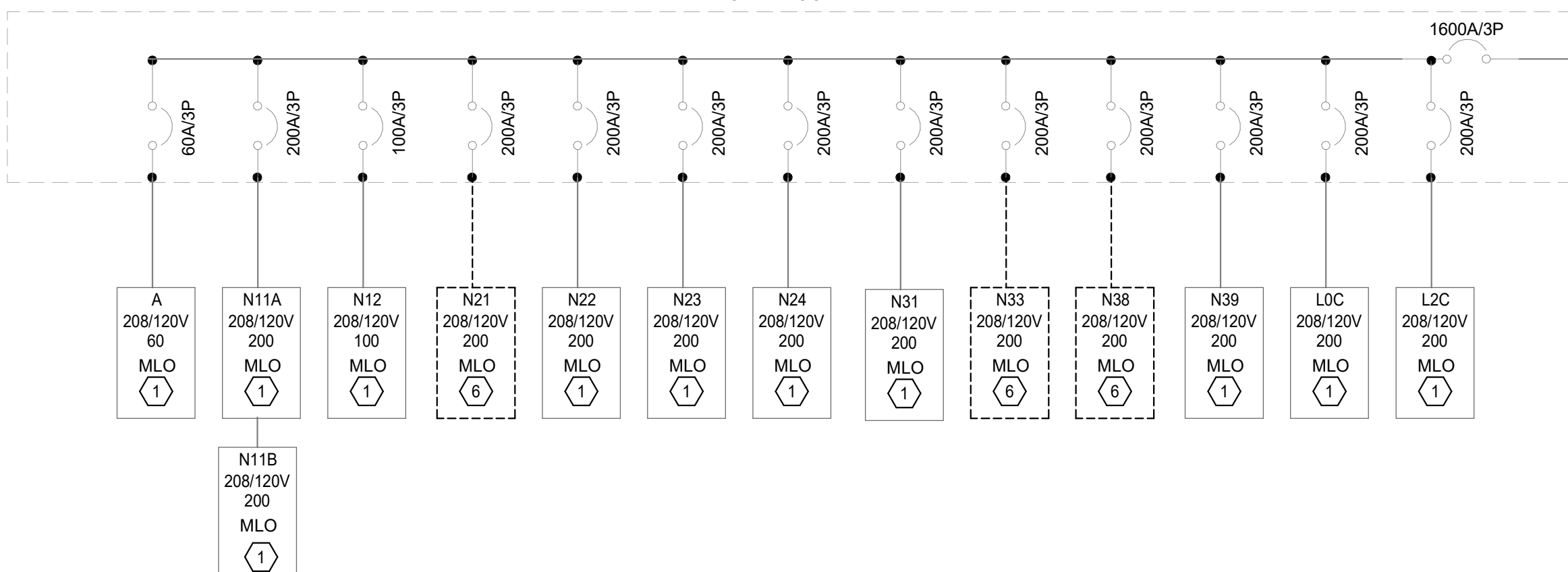
MSB-2 (480V)

277/480V, 3 PHASE, 4 WIRE  
2000 A  
BOILER ROOM



POWER CENTER #3

120/208V, 3 PHASE, 4 WIRE  
1600 A  
BOILER ROOM



GENERAL NOTES:

- PROVIDE COPPER CONDUCTORS.
- PROVIDE XHHW INSULATION FOR UNDERGROUND CONDUCTORS.
- PROVIDE GALVANIZED RIGID STEEL CONDUIT FOR EXPOSED EXTERIOR CONDUITS.
- ROUTE HORIZONTAL CONDUITS ABOVE BOTTOM CHORD OF BAR JOISTS UNLESS NOTED OTHERWISE. ROUTE CONDUITS FROM WALL MOUNTED DEVICES VERTICALLY TO JOIST SPACE UNLESS NOTED OTHERWISE.
- OBTAIN SHOP DRAWINGS OF EQUIPMENT AND COMPARE CONNECTION, LOAD, AND VOLTAGE INFORMATION TO CONTRACT DOCUMENTS BEFORE INSTALLING FEEDER CONDUITS. NOTIFY ARCHITECT OF ANY DISCREPANCIES. BEFORE MAKING EQUIPMENT POWER CONNECTIONS, COMPARE EQUIPMENT NAMEPLATE DATA TO SHOP DRAWINGS AND CONTRACT DOCUMENTS. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- MOTOR FEEDERS SHOWN ON DIAGRAM FOR REFERENCE. REFER TO MOTOR SCHEDULE FOR MORE INFORMATION.
- REFER TO SITE PLAN FOR EXACT LOCATIONS OF EXTERIOR EQUIPMENT.
- COORDINATE ALL DEMOLITION WITH PHASING PLANS. SEE ELECTRICAL FLOOR PLANS AND ARCHITECTURAL PHASING PLANS.

LINE TYPES:

EXISTING EQUIP/FEEDER TO REMAIN



DEMOLISH OR RELOCATE EQUIP/FEEDER



NEW OR NEW LOCATION OF EQUIP/FEEDER



KEYED NOTES:

- EXISTING TO REMAIN PANEL SHOWN FOR REFERENCE ONLY. PROTECT EQUIPMENT THROUGHOUT CONSTRUCTION.
- REPLACE PANEL IN PLACE. CUT AND PATCH WALL AS REQUIRED. COORDINATE PATCHING WITH ARCHITECT.
- EXISTING MSB-1 TO REMAIN. DEMOLISH MSB-1 FEEDER AND ASSOCIATED BUS SYSTEM. PREPARE MSB-1 TO BACK FEED FROM NEW TRANSFORMER. SEE NEW RISER DIAGRAM AND PANEL SCHEDULE.
- DEMOLISH UTILITY TRANSFORMERS IN VAULT AND ASSOCIATED PRIMARY FEEDER. DEMOLITION BY UTILITY. COORDINATE WORK WITH OWNER AND UTILITY.
- DEMOLISH PC-1 AND ASSOCIATED FEEDER AND TRANSFORMER.
- DEMOLISH PANEL. PREPARE TO EXTEND EXISTING TO REMAIN BRANCH CIRCUIT TO NEW PANEL LOCATION. SEE NEW RISER AND PANEL SCHEDULE.
- DEMOLISH PANEL/SWITCHBOARD AND ASSOCIATED FEEDER BACK TO SOURCE.
- EXISTING TO REMAIN PC-4. DEMOLISH PC-4 FEEDER, ASSOCIATED TRANSFORMER AND DISCONNECT. PREPARE TO BACK FEED FROM MSB-3.
- DEMOLISH PC-2, AND ASSOCIATED FEEDER, TRANSFORMER AND DISCONNECT. PREPARE FOR REPLACEMENT AND BACK FEED FROM MSB-2.
- EXISTING TO REMAIN PC-5. DEMOLISH PC-5 FEEDER, ASSOCIATED TRANSFORMER AND DISCONNECT. PREPARE TO BACK FEED FROM MSB-3.
- DEMOLISH METER. PREPARE TO PROVIDE METER SOCKET AND REQUIRED CONNECTION AT THE NEW CONNECTION CABINET LOCATION. SEE NEW PLAN. COORDINATE WORK WITH XCEL UTILITY.
- DIGITAL MULTIMETER TO REMAIN. ADJUST CONDUIT AND WIRING AS REQUIRED.
- EXISTING TO REMAIN PANEL. DEMOLISH PANEL FEEDER, ASSOCIATED TRANSFORMER AND DISCONNECT. PREPARE TO REPLACE FEEDER AND TRANSFORMER.
- EXISTING TO REMAIN PANEL. DEMOLISH EXISTING FEEDER AND PREPARE TO FEED FROM EMERGENCY PANEL. SEE NEW PLAN.
- DEMOLISH PANEL FEEDER AND ASSOCIATED TRANSFORMER. PREPARE TO BACK FEED FROM PC #3.
- DEMOLISH FEEDER AND PREPARE TO BACK FEED. SEE REMODELED AND NEW RISER DIAGRAM.

Richfield High School Additions And Renovations

7001 Harriet Avenue  
Richfield, Minnesota 55423

Independent School District #280

7001 Harriet Avenue  
Richfield, Minnesota 55423

Wold

WOLD ARCHITECTS AND ENGINEERS

332 Minnesota Street, Suite W2000  
Saint Paul, MN 55101

woldac.com | 651 227 7773

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 MINNESOTA

BRADLEY R. JOHANSEN  
License Number: 43936 Date: 7/14/11

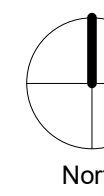
Description	Revisions	Date	Num
ADDENDUM #2		02/12/2019	1
ADDENDUM #3		02/19/2019	2
PR #6		06/26/2020	3

Comm: 172297

Date: 01/22/19

Drawn: A.GANAMO

Check: B.JOHANNSEN



EXISTING RISER DIAGRAM

Scale: As indicated

E5.01

F1 EXISTING RISER DIAGRAM  
NTS



Richfield High School Additions And Renovations

7001 Harriet Avenue  
Richfield, Minnesota 55423

Independent School District #280  
7001 Harriet Avenue  
Richfield, Minnesota 55423

Wold

WOLD ARCHITECTS  
AND ENGINEERS  
332 Minnesota Street, Suite W2000  
Saint Paul, MN 55101

woldac.com | 651.227.7773

3 PHASE FEEDER SCHEDULE (COPPER)

	FEEDER 3W (NO NEUTRAL)	FEEDER 4W (WITH NEUTRAL)
ID		
(AMPS)	CONDUIT-PHASE-GROUND	CONDUIT-PHASE-GROUND
100A	(1) 1.25", 3/8" x 1/8"	(1) 1.25", 4/8" x 1/8"
200A	(1) 2", 3/8" x 1/8"	(1) 2", 4/8" x 1/8"
400A	(2) 2.5", 3/8" x 1/8"	(2) 2", 4/8" x 1/8"
500A	(2) 2.5", 3/8" x 1/8"	(2) 3", 4/8" x 1/8"
800A	(2) 3", 3/8" x 1/8"	(2) 3", 4/8" x 1/8"
800A	(3) 2.5", 3/8" x 1/8"	(3) 2.5", 4/8" x 1/8"
1000A	(3) 3", 3/8" x 1/8"	(3) 3.5", 4/8" x 1/8"
1600A	(5) 3", 3/8" x 1/8"	(5) 3.5", 4/8" x 1/8"
2000A	(6) 3", 3/8" x 1/8"	(6) 3", 4/8" x 1/8"
3000A	(8) 3.5", 3/8" x 1/8"	(8) 3.5", 4/8" x 1/8"

GENERAL NOTES:  
A. ALL CONDUCTOR AMPACITIES ARE BASED ON TABLE 310-15 OF THE NEC FOR COPPER CONDUCTOR AT 75 DEG C.  
C. FEEDER SIZES SHOWN ON THE RISER DIAGRAM INDICATE FEEDER AMPACITIES AND DO NOT NECESSARILY CORRESPOND TO CIRCUIT BREAKER AMPACITIES. CERTAIN FEEDERS MAY BE SIZED FOR THE DERATION FACTORS REQUIRED BY CODE AND/OR ARE OVERSIZED FOR VOLTAGE DROP.  
D. WHERE PARALLEL CONDUITS ARE INDICATED FOR A SINGLE FEEDER, EACH CONDUIT SHALL CONTAIN PHASE, NEUTRAL, AND GROUND CONDUCTORS INDICATED.  
E. CONDUIT ABOVE GRADE INDOORS SHALL BE EMT. CONDUIT ABOVE GRADE OUTDOORS SHALL BE GALVANIZED IMC OR RMC.  
F. EMT USED FOR PURPOSES OF SIZING CONDUIT. CONTRACTOR TO UPSIZE CONDUIT IF DIFFERENT THAN EMT.

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 MINNESOTA

under the laws of the State of  
BRADLEY R. JOHANSEN  
License Number: 43936 Date: 7/14/11

Description	Revisions	Date	Num
ADDENDUM #2		02/12/2019	1
ADDENDUM #3		02/19/2019	2
PR #8		06/26/2020	3

Comm: 172297  
Date: 01/22/19  
Drawn: A.GANAMO  
Check: B.JOHANSEN

REMODELED AND  
NEW RISER  
DIAGRAM

Scale: As indicated

E5.02

MN

E

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MSB-1 (208V)  
120/208V, 3 PHASE, 4 WIRE  
1600 A  
BASMENT AREA 'N'

POWER CENTER #4  
120/208V, 3 PHASE, 4 WIRE  
600 A  
BASMENT AREA 'E'

POWER CENTER #5  
120/208V, 3 PHASE, 4 WIRE  
500A/3P  
BASMENT AREA 'J'

POWER CENTER #3  
120/208V, 3 PHASE, 4 WIRE  
1600 A  
BOILER ROOM

POWER CENTER #2  
120/208V, 3 PHASE, 4 WIRE  
800 A  
BOILER ROOM

MSB-2 (480V)  
277/480V, 3 PHASE, 4 WIRE  
2000 A  
BOILER ROOM

MSB-3 (480V)  
480V, 3 PHASE, 4 WIRE  
2000 A  
BASMENT AREA 'N'

KEYED NOTES:

- EXISTING PANEL/SWITCHBOARD SHOWN FOR REFERENCE.
- REPLACE PANEL IN PLACE. PROVIDE NEW FEEDER, CUT AND PATCH WALL AS REQUIRED. COORDINATE PATCHING WITH ARCHITECT. SEE PANEL SCHEDULE FOR ADDITIONAL BREAKERS NOTE INDICATED.
- PROVIDE NEW PANEL PER PANEL SCHEDULE. PROVIDE NEW FEEDER. EXTEND EXISTING TO REMAIN CIRCUIT FROM OLD PANEL LOCATION TO THIS PANEL. SEE DEMOLITION PLAN FOR CORRESPONDING PANEL NAME.
- PROVIDE 1" CONDUIT WITH CONTROL WIRING FROM GENERATOR TO EACH ATS. COORDINATE EXACT REQUIREMENTS WITH ATS AND GENERATOR MANUFACTURER. PROVIDE GENERATOR BY CATERPILLAR, ONAN OR MTU. NO EQUALS. GENERATOR TO HAVE WEATHERPROOF, SOUND ATTENUATED ENCLOSURE. PROVIDE CAGE OVER MUFFLER TO PREVENT DEBRIS FROM ENTERING.
- GENERATOR TO BE A SEPARATELY DERIVED SYSTEM. PROVIDE 1/2" X 10' COPPER CLAD GROUND ROD AT OPPOSITE CORNERS OF CONCRETE PAD. EXOTHERMIC WELD #60 COPPER GROUND CONNECTION TO GENERATOR EACH GROUND ROD. PROVIDE ADDITIONAL GROUND RODS AS REQUIRED TO OBTAIN 25 OHMS GROUND RESISTANCE.
- PROVIDE ASCO 4000 SERIES AUTOMATIC TRANSFER SWITCH WITH METERING AND NETWORK CAPABILITIES (OR APPROVED EQUALS).
- PROVIDE CONCRETE PAD FOR FLOOR-MOUNTED EQUIPMENT.
- PROVIDE 200V/1PH CONNECTION FROM PANEL MSB-1 FOR GENERATOR LOAD CENTER. GENERATOR ACCESSORIES FED FROM LOAD CENTER. COORDINATE EXACT LOCATION OF GENERATOR REMOTE SHUT OFF WITH OWNER PRIOR TO POUR-IN.
- PROVIDE (2) FLOAT SWITCHES IN DAY TANK AND ELECTRIC SOLENOIDS FOR BOILER FUEL PUMPS. WHEN TANK REACHES 50% FUEL LEVEL, FUEL CONNECTION TO PUMPS TO STOP IN ORDER TO MAINTAIN 1000G MINIMUM FOR GENERATOR USE. COORDINATE PROGRAMMING OF BOTH FLOAT SWITCHES WITH ENGINEER.
- EXISTING PANEL. FEED PANEL FROM EMERGENCY PANEL INDICATED.
- PROVIDE DIGITAL MULTIMETER, FLUSH MOUNTED IN BOARD. RUN 1" CONDUIT TO COSTODIAL OFFICE IN LOWER LEVEL AREA 'N' TO BMS. PROVIDE WITH BACKNET PROTOCOL.
- PROVIDE FEEDER FROM G02 TO G14.
- PROVIDE MAIN BREAKER SHUNT TRIP PANEL TO REPLACE KITCHEN RELAY BOX MOVE ALL SEVEN (7) 208/3P 30A CIRCUITS TO THIS PANEL. PROVIDE 100A/208/3P BREAKER IN PANEL K11.
- LOCATE TRANSFORMER IN THE SAME ROOM AT THE PANEL.
- CHILLER DISCONNECT SHALL BE EXTERIOR WEATHER RATED. PROVIDE 600A FUSED DISCONNECT.
- SEE MOTOR SCHEDULE FOR MORE DETAIL.
- PROVIDE NEW PANEL/SWITCHBOARD PER PANEL SCHEDULE. PROVIDE SPARE BREAKERS PER SCHEDULE.
- BACK FEED PANEL FROM PC #3. SEE EXISTING RISER DIAGRAM.
- PROVIDE NEW EQUIPMENT.

GENERAL NOTES:

- PROVIDE COPPER CONDUCTORS.
- PROVIDE 3/4" MIN INSULATION FOR UNDERGROUND CONDUCTORS.
- PROVIDE GALVANIZED RIGID STEEL CONDUIT FOR EXPOSED EXTERIOR CONDUITS.
- ROUTE HORIZONTAL CONDUITS ABOVE BOTTOM CHORD OF BAR JOISTS UNLESS NOTED OTHERWISE. ROUTE CONDUITS FROM WALL MOUNTED DEVICES VERTICALLY TO JOIST SPACE UNLESS NOTED OTHERWISE.
- OBTAIN SHOP DRAWINGS OF EQUIPMENT AND COMPARE CONNECTION, LOAD, AND VOLTAGE INFORMATION TO CONTRACT DOCUMENTS BEFORE INSTALLATION. FEEDER POWER CONNECTIONS, COMPARE EQUIPMENT NAMEPLATE DATA TO SHOP DRAWINGS AND CONTRY DOCUMENTS. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- MOTOR FEEDERS SHOWN ON DIAGRAM FOR REFERENCE. REFER TO MOTOR SCHEDULE FOR MORE INFORMATION.
- REFER TO SITE PLAN FOR EXACT LOCATIONS OF EXTERIOR EQUIPMENT.
- COORDINATE ALL DEMOLITION WITH PHASING PLANS. SEE ELECTRICAL FLOOR PLANS AND ARCHITECTURAL PHASING PLANS.

LINE TYPES:

EXISTING EQUIP/FEEDER TO

EX

REMAIN

RL

DEMOLISH OR RELOCATE

NL

EQUIP/FEEDER

NL

NEW OR NEW LOCATION OF

NL

EQUIP/FEEDER

TRANSFORMER SCHEDULE

NAME	KVA	PRIMARY VOLTAGE	SECONDARY VOLTAGE	MOUNTING	K-RATING	ENERGY EFFICIENT (TP-1)
T-1	500	480	208	FLOOR	K-13	YES
TLS1	30	480	208	FLOOR	K-13	YES
TLS2	30	480	208	ABOVE CEILING	K-13	YES
TLS3	30	480	208	FLOOR	K-13	YES
TLS4	30	480	208	FLOOR	K-13	YES
TLS5	30	480	208	FLOOR	K-13	YES
T-K	75	480	208	FLOOR	K-13	YES
T-2	225	480	208	FLOOR	K-13	YES
T-4	150	480	208	FLOOR	K-13	YES
T-5	150	480	208	FLOOR	K-13	YES

GENERAL NOTES:

- PROVIDE COPPER WINDINGS FOR ALL TRANSFORMERS.
- PROVIDE 1" CONCRETE PAD AROUND ALL FLOOR MOUNTED TRANSFORMERS.
- PROVIDE REQUIRED MOUNTING FOR WALL AND ABOVE CEILING MOUNTED TRANSFORMERS.

7001 Harriet Avenue  
Richfield, Minnesota 55423

---



332 Minnesota Street, Suite W2000  
Saint Paul, MN 55101

woldae.com | 651 227 7773

Drawn: A. GANAMO  
Check: B. JOHANNSEN

- 211

## —C.11



Change Order Request

LS Black Constructors, Inc.  
Project: 19-6018. / Richfield High School

To: Ekalath Sophaphanh  
ICS

Phone:  
Fax:  
Email:

To: Justin Rice  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117  
Phone: 651-774-8445  
Fax: 651-774-9695  
Email: jrice@lsblack.com

Change Order Request # :	1	PR #12 Civil Manhole 4 & 5	Date:
--------------------------	---	----------------------------	-------

- Below is the detail for our proposal to complete the following changes in contract work:
- Pending Change Order: PCO - 1 PR #12 Civil Manhole 4 & 5
  - The prices below are for 30 days and subject to revision if not accepted within 30 days.
  - The number of additional days added to total contract duration for completing this work is 0.

Item	Description	
1	PR #12 Civil Manhole 4 & 5	3,733.80
Total For Change Order		3,733.80

Approved By: Ekalath Sophaphanh  
ICS

Signed: \_\_\_\_\_  
Date: \_\_\_\_\_

Submitted By: Justin Rice  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_  
Date: \_\_\_\_\_



## Change Order Request

LS Black Constructors, Inc.

Project: 19-6018. / Richfield High School

To: Ekalath Sophaphanh  
ICS

Phone:  
Fax:  
Email:

To: Justin Rice  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117  
Phone: 651-774-8445  
Fax: 651-774-9695  
Email: jrice@lsblack.com

Change Order Request # : 1 PR #12 Civil Manhole 4 & 5

Date:

Below is the detail for our proposal to complete the following changes in contract work:

- Pending Change Order: PCO - 1 PR #12 Civil Manhole 4 & 5
- The prices below are for 30 days and subject to revision if not accepted within 30 days.
- The number of additional days added to total contract duration for completing this work is 0.

Item : 1 PR #12 Civil Manhole 4 & 5

Phase	Description	Cost Type	Hours	Rate	Estimated Cost
80-0001-01	Pending Change Order PR #12 Manholes 4 & 5	3 S			3,556.00
		<b>Subtotal Item</b>	<b>1</b>		<b>3,556.00</b>

<b>Cost Type Recap:</b>		<b>Mark up</b>	<b>Amount</b>
3 Subcontractor		5.00%	3,733.80
	<b>Subtotal Item</b>		<b>3,733.80</b>
<b>Bond Premium</b>		0.00%	0.00
<b>Insurance</b>		0.00%	0.00
<b>Requested Total For Item</b>		<b>1</b>	<b>3,733.80</b>
<b>Total For Change Order</b>			<b>3,733.80</b>

Approved By: Ekalath Sophaphanh  
ICS

Submitted By: Justin Rice  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_



# NOVA-FROST, INC.

7264 Dickman Trail  
Inver Grove Heights, MN 55076  
Phone (651) 480-8575  
Fax (651) 480-8527

Date: 7-15-19

To: LS Black

Attn: Justin

Re: Richfield High School

The following are the costs for changes to sanitary manhole #4 and #5.

Manhole #4	\$800.00
Manhole #5	\$2,218.00
Subtotal	\$3,018.00
Tax	\$215.00
Subtotal	\$3,233.00
10% markup	\$323.00
Total Cost	\$3,556.00



# Richfield High School Additions and Renovations

Occurrence  
RFI #009

COR #

002

		Unit Rate	Units	Subtotal
Labor				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Materials				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Equipment				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Subcontractors				\$ 2,162.08
New Look	Add'l concrete demo and disposal	\$ 2,162.08	1	\$ 2,162.08
				\$ -
				\$ -
				\$ -
				\$ -

Subtotal	\$ 2,162.08
Labor Markup	\$ -
Materials Markup	\$ -
Equipment Markup	\$ -
Subcontractor Markup	\$ 108.10
Grand Total	\$ 2,270.18

## COMMENTS

None





14045 Northdale Blvd., Rogers, MN 55374

JOB NUMBER:

19-4621

**EXTRA TIME & MATERIAL WORK**

Job Name: RHS

DATE: 5/21/2019

Location of Work: Area L mechanical

Owner: ISD

Owner's Rep: LS Black

Description of Work: RFI # 9

Remove additional vault wall &amp; footings for new construction

Equip. #	Equipment	Hours	Rate	Total
				\$ -
	Large hoe	3	\$ 200.00	\$ 600.00
	Hammer attachment	3	\$ 75.00	\$ 225.00
	small packer	1	\$ 50.00	\$ 50.00
				\$ -
				\$ -
				\$ -
				\$ -
Quads	Trucking soil materials	2	\$ 117.50	\$ 235.00
			subtotal	\$ 1,110.00
Laborer/Operator Name		Hours	Rate	
				\$ -
	Operator	3	\$ 87.00	\$ 261.00
	Laborer	3	\$ 85.00	\$ 255.00
	Super	1	\$ 95.00	\$ 95.00
				\$ -
			subtotal	\$ 611.00
Materials		Quantity	Rate	
				\$ -
	Dump fee	19	\$ 12.00	\$ 228.00
				\$ -
				\$ -
				\$ -
				\$ -
			subtotal	\$ 228.00
	Material taxes		7.25%	\$ 16.53
	Mark up on total		10%	\$ 196.55

TOTAL:

\$ 2,162.08

Owner/Representative:

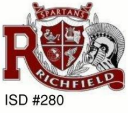
Date:

Wyatt gutzke

New Look Contracting, Inc.

5/21/2019

Date:



ICS Consulting, Inc.  
3890 Pheasant Ridge Drive N.E., Suite 180  
Blaine, Minnesota 55449  
Phone: (763) 354-2670  
Fax: (763) 780-2866

**Project:** S180064 - RHS - ISD #280, Richfield High School  
7001 Harriet Avenue South  
Richfield, Minnesota 55423

## Wall of existing transformer vault

<b>TO:</b>	Matthew Mohr ( <b>Wold Architects &amp; Engineers</b> ) ( <i>Response Required</i> ) Tony Foggia ( <b>BKBM Engineers, Inc. - Minneapolis</b> )	<b>FROM:</b>	Justin Rice ( <b>L.S. Black Constructors, Inc.</b> ) 1959 Sloan Place, Suite 140 St. Paul, Minnesota 55117
<b>DATE INITIATED:</b>	04/23/2019	<b>STATUS:</b>	Closed
<b>LOCATION:</b>	Basement Area L	<b>DUE DATE:</b>	05/07/2019
<b>PROJECT STAGE:</b>		<b>COST CODE:</b>	
<b>SUB JOB:</b>		<b>SCHEDULE IMPACT:</b>	Yes (Unknown)
<b>COST IMPACT:</b>	Yes (Unknown)	<b>SPEC SECTION:</b>	
<b>DRAWING NUMBER:</b>	A1.00n, A1.01n, S2.00n	<b>REFERENCE:</b>	
<b>LINKED DRAWINGS:</b>			
<b>RECEIVED FROM:</b>			
<b>COPIES TO:</b>	Ekalath Sophaphanh ( <b>ICS Consulting, Inc. - Blaine, MN</b> )		

### Question from Justin Rice (**L.S. Black Constructors, Inc.**) at 03:07 PM on 04/23/2019

Sheets A1.00n and A1.01n show the top of the existing transformer vault walls being removed to approximately 2' below the finished grade. Sheet S2.00n appears to show a new footing and foundation wall going in approximately where the south wall of the existing vault is currently.

Please confirm that a new footing and masonry wall as shown on sheet S2.00n is required. If a new wall is required, is the new wall to have a connection to the wall north south running wall that is shown as remaining on sheet S2.00n? If so, please provide that connection detail.

#### **Official Response:** Matthew Mohr (**Wold Architects & Engineers**) responded on Wednesday, May 1st, 2019 at 5:17PM CDT

See response from BKBM.

#### **Attachments:**

#### **Official Response:** Tony Foggia (**BKBM Engineers, Inc. - Minneapolis**) responded on Friday, April 26th, 2019 at 1:21PM CDT

New footing and wall at north side of stair core is required as shown. No connection to the existing west vault wall is required; demo existing vault walls as needed to complete new construction. See keynote 1 on S2.00n for connections to existing foundations to remain.

#### **Attachments:**

BY

DATE

COPIES TO



## Richfield High School Additions and Renovations

Occurrence

COR #

RFI #016

003

		Unit Rate	Qty	Subtotal
<b>Labor</b>				<b>\$ 4,406.40</b>
Labor	Demo, remove, dispose excess canopy roofing	\$ 67.38	8	\$ 539.04
Labor	Demo, remove, dispose excess steel	\$ 67.38	16	\$ 1,078.08
Labor Foreman	Demo, remove, dispose excess canopy roofing	\$ 70.32	8	\$ 562.56
Labor Foreman	Demo, remove, dispose excess steel	\$ 70.32	16	\$ 1,125.12
Labor	Demo, remove, dispose soffit	\$ 67.38	8	\$ 539.04
Labor Foreman	Demo, remove, dispose soffit	\$ 70.32	8	\$ 562.56
				\$ -
				\$ -
<b>Materials</b>				<b>\$ 146.63</b>
Atomic	Roll-off Dumpster	\$ 293.25	0.5	\$ 146.63
				\$ -
				\$ -
				\$ -
				\$ -
<b>Equipment</b>				<b>\$ 15.00</b>
Telehandler	Equipment Consumables	\$ 15.00	1	\$ 15.00
				\$ -
				\$ -
				\$ -
				\$ -
<b>Subcontractors</b>				<b>\$ -</b>
		\$ -	1	\$ -
				\$ -
				\$ -
				\$ -
				\$ -

**Subtotal \$ 4,568.03**

**Labor Markup \$ 440.64**

**Materials Markup \$ 14.66**

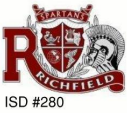
**Equipment Markup \$ 1.50**

**Subcontractor Markup \$ -**

**Grand Total \$ 5,024.83**

### COMMENTS

This expense is ONLY for the work along grid line XQQ.



ICS Consulting, Inc.  
3890 Pheasant Ridge Drive N.E., Suite 180  
Blaine, Minnesota 55449  
Phone: (763) 354-2670  
Fax: (763) 780-2866

Project: S180064 - RHS - ISD #280, Richfield High School  
7001 Harriet Avenue South  
Richfield, Minnesota 55423

## Demolition of existing canopy

TO:	Matthew Mohr (Wold Architects & Engineers) (Response Required)	FROM:	Justin Rice (L.S. Black Constructors, Inc.) 1959 Sloan Place, Suite 140 St. Paul, Minnesota 55117
DATE INITIATED:	05/03/2019	STATUS:	Closed
LOCATION:	First Floor Area M	DUE DATE:	05/09/2019
PROJECT STAGE:	Course of Construction	COST CODE:	
SUB JOB:		SCHEDULE IMPACT:	TBD
COST IMPACT:	TBD	SPEC SECTION:	
DRAWING NUMBER:	A1.01m & S3.30	REFERENCE:	
LINKED DRAWINGS:			
RECEIVED FROM:	Jon Nelson (L.S. Black Constructors, Inc.)		
COPIES TO:	Ekalath Sophaphanh (ICS Consulting, Inc. - Blaine, MN)		

### Question from Justin Rice (L.S. Black Constructors, Inc.) at 05:36 PM on 05/03/2019

Sheet A1.01m does not show the existing canopy being demolished along grid XQQ, approximately between X07 and X10 as it does nearby to the west, between XQQ and XAF. On sheet S3.30, detail 20 says to remove the existing roof deck to the centerline of column. Is the existing canopy between grids X07 and X10 to be removed or is it to remain in place?

**Official Response:** Matthew Mohr (Wold Architects & Engineers) responded on Monday, May 6th, 2019 at 8:15AM CDT  
The structural detail is correct. The canopy between grids X07 and X10 is to be removed to accommodate the tie in of the addition.

Attachments:

BY

DATE

COPIES TO



# Richfield High School Additions and Renovations

Occurrence  
SUB-393

COR #

20

		Unit Rate	Units	Subtotal
Labor				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Materials				\$ -
			1	\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Equipment				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Subcontractors				\$ 1,764.00
McDowall	Change to direct drive fans	\$ 1,764.00	1	\$ 1,764.00
				\$ -
				\$ -
				\$ -
				\$ -
Subtotal				\$ 1,764.00
Labor Markup				\$ -
Materials Markup				\$ -
Equipment Markup				\$ -
Subcontractor Markup				\$ 88.20
Grand Total				\$ 1,852.20

## COMMENTS

McDowall received direction from Wold/ics to change from the specified belt-driven fans to direct drive units. This change was noted in the corresponding submittal.



**MASTERING**  
the **Elements**

## CHANGE ORDER PROPOSAL

July 12, 2019

LS Black Construction  
1959 Sloan Place  
Suite 220  
Saint Paul, Minnesota 55117

**ATTENTION:** Justin Rice

**PROJECT NAME:** Richfield High School Additions & Renovations  
**PROPOSAL REQUEST NUMBER:** Fan Upgrades - Submittal #393

**DESCRIPTION OF CHANGE:**  
Cost for upgrading belt-driven fans to direct-drive per direction from Wold/ICS.

DESCRIPTION OF COSTS:	Labor:	Materials:	Subcontract:
McDowall Company	\$ -	\$ 1,490.00	\$ -
<b>Subtotals</b>	\$ -	\$ 1,490.00	\$ -
<b>Sales Tax at 7.625% on Materials</b>	\$ -	\$ 113.61	\$ -
<b>O&amp;P at 10% on Labor and Materials</b>	\$ -	\$ 160.36	\$ -
<b>Profit at 5% on Subcontractors</b>	\$ -	\$ -	\$ -
<b>Totals</b>	\$ -	\$ 1,763.97	\$ -

**TOTAL PRICE OF CHANGE PROPOSAL: \$ 1,764.00**

SEE PAGE 2 FOR BREAKDOWN OF THIS CHANGE PROPOSAL.

THIS PROPOSAL IS VOID UNLESS NOTIFICATION TO PROCEED IS RECEIVED IN WRITING WITHIN 30 WORKDAYS.

**EXCLUSIONS:** General Construction, Cutting & Patching, Roofing, Electrical

**LEAD TIME ON EQUIPMENT:** N/A

**Submitted By:** Will Stadel Project Manager McDowall Co. 7/12/2019  
Name Title Company Date



Roofing



Heating



Air Conditioning



Energy Management



P.O. Box 606 • Waite Park, MN 56387 • Phone: 320-251-8640 • Fax: 320-251-9317 • [www.mcdowallco.com](http://www.mcdowallco.com)

Equal Opportunity Employer/Contractor



# MASTERING the *Elements*

**PROJECT NAME:**

**PROPOSAL REQUEST #:**

**Date:** 07/12/19

SCOPE	QTY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT	LABOR HOURS
Add	1	lot	Fan upgrades	\$ -	\$ 1,490.00	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
				\$ -	\$ -	0.00
			SUBTOTAL		\$ 1,490.00	0.00
			SALES TAX		\$ 113.61	N/A
			LABOR RATE		N/A	\$ 105.00
			10% O&P MARK-UP		\$ 160.36	\$ -
			MCDOWALL TOTAL		\$ 1,763.97	\$ -

ADD/DEDUCT	SCOPE	SUBCONTRACTOR	AMOUNT
Add	Temperature Control Work	UHL Company	\$ -
Add	Ductwork Insulation	PMI	\$ -
Add	Test and Balance Work	Flow Dynamic Balancing	\$ -
Add	Refrigeration Piping	Davis Mechanical Systems	\$ -
			\$ -
		SUBTOTAL	\$ -
		5% SUBCONTRACTOR MARK-UP	\$ -
		SUBCONTRACTOR TOTAL	\$ -

**PROPOSAL REQUEST TOTAL:**

**\$ 1,763.97**



## Roofing



## Heating



## Air Conditioning



## Energy Management



**OLD BUSINESS - FOR ACTION**

**Agenda Item V.D.**

**Board of Education**  
Independent School District 280  
Richfield, Minnesota

**Regular Meeting, August 5, 2019**

**Subject: RSTEM Facilities Project Change Order #2**

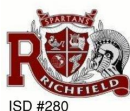
(Recommended by the Superintendent)

That the Board of Education approves RSTEM Facilities Project Change Order #2 with Shaw-Lundquist Associates for net increase of \$64,635.17 due to user group modifications and additional electrical requirements for two lab spaces.

**Background Information**

Change order number two provides improved electrical service to the RSTEM Laboratory spaces to address electrical needs of equipment anticipated to be used as part of the STEM experience.

Original project cost was \$14,800,000.00. The total cost of the project is now \$14,878,069.97.

**CCO #002**

ICS Consulting, Inc.  
 3890 Pheasant Ridge Drive N.E., Suite 180  
 Blaine, Minnesota 55449  
 Phone: (763) 354-2670  
 Fax: (763) 780-2866

**Project:** S180064 - STEM - ISD #280, Richfield STEM School  
 7020 12th Ave S  
 Richfield, Minnesota

## Contract Change Order #002: Shaw Lundquist CO 002

<b>CONTRACT COMPANY:</b>	<b>Shaw-Lundquist Associates, Inc.</b> 2757 West Service Road St. Paul, Minnesota 55121	<b>CONTRACT FOR:</b>	SC-S180064 - STEM-001:Shaw-Lundquist Single Prime Contract
<b>DATE CREATED:</b>	7/12/2019	<b>CREATED BY:</b>	Raeann Wynn (ICS Consulting, Inc. - Blaine, MN)
<b>CONTRACT STATUS:</b>	Pending - Proceeding	<b>REVISION:</b>	0
<b>REQUEST RECEIVED FROM:</b>		<b>LOCATION</b>	
<b>DESIGNATED REVIEWER:</b>		<b>REVIEWED BY:</b>	
<b>DUE DATE:</b>		<b>REVIEW DATE:</b>	
<b>INVOICED DATE:</b>		<b>PAID DATE:</b>	
<b>REFERENCE:</b>		<b>CHANGE REASON:</b>	Client Request
<b>PAID IN FULL:</b>	No	<b>EXECUTED:</b>	No
<b>ACCOUNTING METHOD:</b>	Amount Based	<b>SCHEDULE IMPACT:</b>	0 days
<b>FIELD CHANGE:</b>	No	<b>TOTAL AMOUNT:</b>	\$64,635.17

**DESCRIPTION:**

The costs in Change Order #2 are in PR #002 which consists of user group modifications and adding electrical to the two lab spaces.

CE #004 - PR #002 Owner Requests per Furn UGS: \$64,635.17

**ATTACHMENTS:**

[CE 004-PR 002 Rev Pricing.pdf](#)

**CHANGE ORDER LINE ITEMS:**

The original (Contract Sum)	\$ 14,800,000.00
Net change by previously authorized Change Orders	\$ 13,434.80
The contract sum prior to this Change Order was	\$ 14,813,434.80
The contract sum would be changed by this Change Order in the amount of	\$ 64,635.17
The new contract sum including this Change Order will be	\$ 14,878,069.97
The contract time will not be changed by this Change Order by 0 days	

**Shaw-Lundquist Associates, Inc.**  
 2757 West Service Road  
 St. Paul Minnesota 55121

**Wold Architects & Engineers**  
 332 Minnesota Street STE W2000  
 Saint Paul Minnesota 55101

**Independent School District #280**  
 7001 Harriet Avenue S.  
 Richfield Minnesota 55423

*Chris James*

7/15/2019

SIGNATURE

DATE

*[Signature]*

7/23/2019

SIGNATURE

DATE

SIGNATURE

DATE


**SHAW-LUNDQUIST  
ASSOCIATES INC**

Shaw-Lundquist Associates, Inc.  
2757 West Service Road  
St. Paul, Minnesota 55121  
Phone: 651 454 0670  
Fax: 651 454 7982

**PCO #PR #002**

**Project:** 19763 - Richfield STEM School  
7020 12th Avenue South  
Richfield, Minnesota 55423

## Prime Contract Potential Change Order #PR #002: Owner Requests per Furn UGs

<b>TO:</b>	Independent School District #280 7001 Harriet Avenue Richfield Minnesota, 55423	<b>FROM:</b>	Shaw-Lundquist Associates, Inc. (91319) - St. Paul 2757 West Service Road St. Paul Minnesota, 55121
<b>PCO NUMBER/REVISION:</b>	PR #002 / 3	<b>CONTRACT:</b>	1 - Richfield STEM School Prime Contract
<b>REQUEST RECEIVED FROM:</b>	Ekalath Sophaphanh (ICS Consulting, Inc.)	<b>CREATED BY:</b>	Heather Vander Pal (Shaw-Lundquist Associates, Inc. (91319))
<b>STATUS:</b>	Pending - In Review	<b>CREATED DATE:</b>	4/3 /2019
<b>REFERENCE:</b>		<b>PRIME CONTRACT CHANGE ORDER:</b>	None
<b>FIELD CHANGE:</b>	No	<b>CHANGE ORDER REQUEST:</b>	#PR #002 - Owner Requests per Furn UGs
<b>LOCATION:</b>		<b>ACCOUNTING METHOD:</b>	Amount Based
<b>SCHEDULE IMPACT:</b>		<b>PAID IN FULL:</b>	No
		<b>TOTAL AMOUNT:</b>	\$64,635.17

**POTENTIAL CHANGE ORDER TITLE:** Owner Requests per Furn UGs

**CHANGE REASON:** PR #002 -

**POTENTIAL CHANGE ORDER DESCRIPTION:** *(The Contract Is Changed As Follows)*

CE #004 - PR #002 - Owner Requests per Furn UGs  
Owner Requests per Furn UGs

**ATTACHMENTS:**

[PR #002 Revised Pricing for Approval STEM 2019-05-03.pdf](#) [\\_PR #002 for Approval STEM 2019-04-22.pdf](#)

#	Cost Code	Description	Type	Amount
1		Cosney Corp	Commitment	(\$3,573.00)
2		e2 Electrical Services	Commitment	\$ 46,549.44
3		Jannings Acoustics	Commitment	\$ 6,500.00
4		Klamm Mechanical	Commitment	(\$8,764.62)
5		Ramsey Companie	Commitment	\$ 2,718.10
6		RTL Construction	Commitment	\$ 5,216.00
7		SCR	Commitment	\$ 8,471.40
8		WE Neal Slate	Commitment	\$ 308.60
9		Absolute Flooring	Commitment	\$ 3,031.38
10		SLA - Install Marker Board Rm A116 - 4 hrs @ \$105.00	Labor	\$ 420.00
11		SLA - Install salvaged overhead storage - 6 hrs @ \$105.00	Labor	\$ 630.00
<b>Subtotal:</b>				\$61,507.30



**SHAW-LUNDQUIST  
ASSOCIATES INC**

**PCO #PR #002**

Sub P & O: 5.00% Applies to Equipment, Commitment, Owner Cost, Professional Services, and Other.	\$ 3,022.87
SLA P & O : 10.00% Applies to Labor, Equipment, and Materials.	\$ 105.00
<b>Grand Total:</b>	<b>\$64,635.17</b>

**John Kretchmer (Wold Architects and Engineers)**

332 Minnesota Street Suite W2000  
St. Paul Minnesota 55102

**Independent School District #280**

7001 Harriet Avenue  
Richfield Minnesota 55423

**Shaw-Lundquist Associates, Inc. (91319) - St. Paul**

2757 West Service Road  
St. Paul Minnesota 55121

SIGNATURE DATE

Architect

SIGNATURE DATE

Owner

SIGNATURE DATE

Chris James

*Ch* 6/10/2019





## Electrical Services Inc

15895 Hwy 7 E  
Hutchinson, MN 55350  
P. 320-234-8330  
F. 320-587-7198

6/5/2019  
Shaw-Lundquist Associates Inc.  
2757 West Service Road  
Eagan, MN 55121

### PROJECT: Richfield STEM PR 2

#### Specific Scope Items:

- 1) Permits and Inspections have been included.
- 2) Quote per PR 002.
- 3) Revised cost to remove annunciator and install J-Box.

We will supply and install all materials, labor, and equipment for the total amount of \$ **46,549.44**.

#### Payment Terms

Payments as invoiced.

#### Terms and Conditions

- 1) All applicable taxes are included in our submission.
- 2) Electrical shall be installed to standards of the National Electric Code and is guaranteed free from short circuits for one year. No other warranties are expressed or implied.
- 3) Electric Contractor shall make holes in the building to gain access for routing cables and conduits and shall not be held liable in any way for labor or costs incurred for painting, texturing, repairing walls or ceilings.
- 4) Time and materials work shall be charged \$110 an hour plus materials. Service calls shall be charged \$110 for the first half-hour, then \$110 per hour. \$110 is minimum charge.
- 5) Change orders: Any alteration or deviation from the above specifications involving extra costs will be made only upon written agreement, and will become an extra charge above the contract price to be paid immediately.
- 6) Delay: Electric Contractor will be excused for any delay beyond our control. These delays may include, but are not limited to acts of God, labor disputes, inclement weather, acts of owner or public authority, product shortages, or other unforeseen contingencies.
- 7) Right to stop work: If any payment under this contract is not made when due, Electric Contractor may stop suspend work until all payments have been made.
- 8) Any failure to make payments to Electric Contractor is subject to a claim against the property in accordance with applicable lien laws.
- 9) It is agreed that payments to Electric Contractor shall not be withheld due to any delay or failed payments to the part this proposal is submitted to.
- 10) Malicious mischief and vandalism on the job is the responsibility of the part this proposal is submitted to. Electric Contractor shall not be responsible for any damage resulting therefrom. Party submitted to shall carry needed insurance.
- 11) Overdue accounts will be charged a late charge at the rate of 1.5% per month plus a monthly administrative fee of \$20.00 or the maximum rate permitted by law.
- 12) In the event any party to this contract commences any action, legal or otherwise, to collect the contract price, the prevailing party shall be entitled to recover attorneys fees and all other costs incurred in connection with the action.
- 13) This proposal shall be effective for thirty days from the date set forth above, if this proposal is not accepted within this time it shall be expired. This proposal may be withdrawn any time before acceptance.
- 14) The language of all parts of this contract shall in all cases be construed as a whole, according to its fair meaning, and not strictly for or against any of the parties. No provision shall be deemed dependant upon any others.
- 15) If any provision of this contract is held by an arbitrator or court to be unenforceable, invalid or illegal, said provision shall be deemed to be deleted and shall not affect the validity of the remaining provisions of this contract.
- 16) Party submitted to shall give written notice of a back charge to Electric Contractor within ten days of the act giving rise to a back charge. If no such notice is given within the ten day period the back charge shall not be allowed.
- 17) In the event party submitted to does not request work to begin and/or the project is not in good condition to commence the work within 30 days after the acceptance of this contract, Electric Contractor shall have the option to terminate this contract.
- 18) Unless included in this proposal, all bonding and/or special insurance requirements are supplied at additional cost.

Accepted by

\_\_\_\_\_  
Client





## Electrical Services Inc

15895 Hwy 7 E  
Hutchinson, MN 55350  
P. 320-234-8330  
F. 320-587-7198

	Description	Quantit	Unit	Net Cost	Labor	Unit	Total Material	Total Hou
1	A1	24	E	0.00	1.25	E	0.00	30.00
2	1/2" CONDUIT - EMT	332	C	39.28	6.00	C	130.41	19.92
3	3/4" CONDUIT - EMT	765	C	69.31	8.00	C	530.22	61.20
4	1" CONDUIT - EMT	-10	C	119.02	9.00	C	-11.90	-0.90
5	1/2" CONN SS DC - EMT	-2	C	30.74	12.00	C	-0.61	-0.24
6	1/2" COUPLING SS DC - EMT	-5	C	33.73	0.00	C	-1.69	-0.00
7	1/2" CONN SS STL - EMT	63	C	107.68	12.00	C	67.84	7.56
8	3/4" CONN SS STL - EMT	82	C	186.45	15.00	C	152.89	12.30
9	1" CONN SS STL - EMT	-6	C	307.19	18.00	C	-18.43	-1.08
10	1/2" COUPLING SS STL - EMT	25	C	138.40	0.00	C	34.60	0.00
11	3/4" COUPLING SS STL - EMT	83	C	219.12	0.00	C	181.87	0.00
12	1" COUPLING SS STL - EMT	-1	C	326.81	0.00	C	-3.27	-0.00
13	1/2" 1-H STRAP - EMT - STEEL	61	C	29.97	7.35	C	18.28	4.48
14	3/4" 1-H STRAP - EMT - STEEL	134	C	47.71	8.10	C	63.93	10.85
15	1" 1-H STRAP - EMT - STEEL	-8	C	30.30	8.85	C	-2.42	-0.71
16	3/4" CONDUIT SUPPORT FOR ROD OR FLNG	-1	C	37.56	7.65	C	-0.38	-0.08
17	1" SNAP CLOSE CLIP - SIDE MNT TO MTL STUD SUPPORT	1	C	144.77	11.85	C	1.45	0.12
18	1" SNAP CLOSE CLIP - SIDE MNT TO STUD SUPPORT	3	C	114.67	13.35	C	3.44	0.40
19	3/4" FLEX - STEEL	-6	C	92.47	5.85	C	-5.55	-0.35
20	3/4" CONN FLEX DC SQUEEZE STRAIGHT	-2	C	204.19	15.00	C	-4.08	-0.30
21	#12 THHN BLACK	2,892	M	113.36	7.73	M	327.84	22.36
22	#12 THHN WHITE	130	M	113.36	7.73	M	14.74	1.00
23	#12 THHN GREEN	504	M	113.36	7.73	M	57.13	3.90
24	#12/2C CABLE MC - STL ARMOR	30	M	415.72	26.10	M	12.47	0.78
25	#12/3C CABLE MC - STL ARMOR	192	M	724.89	28.50	M	139.18	5.47
26	#12/3C CORD - SJOW	160	M	815.39	43.80	M	130.46	7.01
27	#18/2C CL2 JKT T-STAT CBL	-52	M	202.23	7.65	M	-10.52	-0.40
28	3/8" CONN SADDLE GRIP DC FOR FLEX/AC-90/MC	52	C	92.77	9.00	C	48.24	4.68
29	1/2" LT STRAIN RELIEF CONN FOR 0.375-0.500 CORD	16	C	619.92	52.50	C	99.19	8.40
30	1/2" CONN W/ STRAIN RELIEF GRIP FOR 0.40-0.54 CORD INSUL	16	E	16.25	0.53	E	260.00	8.48
31	WIRE CONN YEL	6	C	14.64	7.50	C	0.88	0.45
32	WIRE CONN RED	198	C	17.85	9.00	C	35.34	17.82
33	4x1 1/2" SQ BOX COMB KO	50	C	741.61	34.50	C	370.81	17.25
34	4x2 1/8" SQ BOX COMB KO	16	C	1,181.17	34.50	C	188.99	5.52
35	4" SQ 1G PLSTR RING 5/8" RISE	16	C	473.34	3.75	C	75.73	0.60
36	4" SQ 1G PLSTR RING 3/4" RISE	0	C	518.18	0.00	C	0.00	0.00
37	4" SQ 2G PLSTR RING 5/8" RISE	3	C	631.72	3.75	C	18.95	0.11
38	4" SQ 2G PLSTR RING 3/4" RISE	1	C	687.26	3.75	C	6.87	0.04
39	4" SQ BLANK COVER	48	C	275.78	3.75	C	132.37	1.80
40	4" SQ 1x DUPLEX REC COVER	1	C	571.92	3.75	C	5.72	0.04
41	4 11/16x2 1/8" SQ BOX COMB KO	12	C	1,424.57	37.50	C	170.95	4.50
42	4 11/16" SQ BLANK COVER	12	C	514.26	3.75	C	61.71	0.45
43	FS 1G BOX 1x 1/2" HUB - TOP - AL	16	E	22.66	0.54	E	362.56	8.64
44	GROUND SCREW W/ INSUL #12 LEAD	57	C	254.22	4.50	C	144.91	2.56

**Electrical Services Inc**

**15895 Hwy 7 E**  
**Hutchinson, MN 55350**  
**P. 320-234-8330**  
**F. 320-587-7198**

	Description	Quantit	Unit	Net Cost	Labor	Unit	Total Material	Total Hou
45	V700 ONE-PIECERACEWAY	130	C	121.00	6.00	C	157.30	7.80
46	5782 1/2" FEMBOX CONN	13	C	305.00	15.00	C	39.65	1.95
47	V5703 2 1/2" SUPP CLIP	39	C	43.00	7.50	C	16.77	2.92
48	V5744 2 3/4" DEEP SW & REC BOX	3	C	1,629.00	30.00	C	48.87	0.90
49	V5744-2 2 3/4" DEEP SW & REC BOX	10	C	2,049.00	37.50	C	204.90	3.75
50	#8 TO #10x 7/8 PLAS ANCHOR (3/16)	214	C	8.32	9.00	C	17.80	19.26
51	#8x 1/2 P/H SELF-TAP SCREW	3	C	5.44	3.60	C	0.16	0.11
52	#8x 3/4 P/H SELF-TAP SCREW	-2	C	8.16	3.90	C	-0.16	-0.08
53	#8x 1 P/H SELF-TAP SCREW	4	C	8.74	4.20	C	0.35	0.17
54	#10x 1 P/H SELF-TAP SCREW	304	C	9.75	4.50	C	29.64	13.68
55	3/16x 1 3/4 CONCRETE SCREW HEX HEAD - BLUE	83	C	49.35	11.40	C	40.96	9.46
56	24" SPANT-BAR HNGR FOR 1 1/2" SQ BOX	-1	C	665.63	22.50	C	-6.66	-0.23
57	24" SPANT-BAR HNGR FOR 1 1/2" OR 2 1/8" DEEP BOX	1	C	570.51	22.50	C	5.71	0.23
58	2GTGL SWITCHPLATE - PLASTIC IVY	2	C	272.00	6.75	C	5.44	0.14
59	1GDUPLEX RECPLATE - PLASTIC IVY	11	C	135.00	4.05	C	14.85	0.45
60	2GDUPLEX RECPLATE - PLASTIC IVY	1	C	272.00	5.85	C	2.72	0.06
61	1GDECORATOR PLATE - PLASTIC IVY	4	C	135.00	4.50	C	5.40	0.18
62	2GTGL SWITCHPLATE - 302 S/S	10	C	425.00	6.75	C	42.50	0.68
63	1GSINGLE RECPLATE - 302 S/S	16	C	459.00	4.50	C	73.44	0.72
64	1GDUPLEX RECPLATE - 302 S/S	2	C	135.00	4.05	C	2.70	0.08
65	2GDUPLEX RECPLATE - 302 S/S	1	C	560.00	5.85	C	5.60	0.06
66	1GDECORATOR PLATE - 302 S/S	1	C	156.00	4.50	C	1.56	0.04
67	20A 120-277V S/P SW - TOGGLE IVY (SG)	4	C	1,659.93	21.00	C	66.40	0.84
68	LV SWITCH RFS 6	-1	E	0.00	0.15	E	-0.00	-0.15
69	LV S/S MNTG PLATE RP229	-1	E	0.00	0.06	E	-0.00	-0.06
70	LV 1G 1-SW PLATE RP211 S/S	-1	E	0.00	0.06	E	-0.00	-0.06
71	15A 125V 3W SGL REC - BRN (SG)	1	E	45.00	22.50	C	45.00	0.23
72	20A 125V DUP REC - IVY (SG)	37	C	1,872.00	30.00	C	692.64	11.10
73	20A 125V DUP REC - IVY (CS)	1	C	510.00	22.50	C	5.10	0.23
74	20A 125V DUP REC - GFCI IVY (SG)	4	C	6,625.00	37.50	C	265.00	1.50
75	20A 125V 3WIRE 1PHTW-LOCK REC	16	E	26.32	0.35	E	421.12	5.60
76	F/AHORN+STROBE-CEILING MNT	-1	E	0.00	0.98	E	-0.00	-0.98
77	F/A VERIFICATION-PERSIGNALING DEVICE	-1	E	0.00	0.00	E	-0.00	-0.00
78	EXIT SINGLE FACE	2	E	0.00	1.50	E	0.00	3.00
79	DEMORECEPTACLE	1	E	0.00	0.30	E	0.00	0.30
80	DEMOSWITCH	9	E	0.00	0.23	E	0.00	2.07
81	DEMO F/A SINGLE HORN	2	E	0.00	0.38	E	0.00	0.76
82	DEMO TEL/DATA OUTLET	1	E	0.00	0.30	E	0.00	0.30

	Labor Type	Crew	Hours	Rate \$	Total	Full Rate
1	JOURNEYMAN Metro	1.00	175.82	110.00	19,340.20	110.00
2	APPRENTICE Metro	1.00	175.82	80.00	14,065.60	80.00



**Electrical Services Inc**

15895 Hwy 7 E  
Hutchinson, MN 55350  
P. 320-234-8330  
F. 320-587-7198

	Subcontractors	Cost	Vendor
5	DATA & COMMUNICATION	-3,230.00	Olympic Communications
9	FIRE ALARM	695.01	IFS
	Totals	-2,534.99	

	General Expenses	Quantity	Duration	Cost/Unit	Total Cost	Total
3	INSPECTION PERMIT	1.00		60.00	60.00	60.00
32	Plywood	1.00		110.00	110.00	110.00
	Totals				170.00	170.00

	Quoted Materials	Cost	Adjustment %	Adjustment \$	Vendor
1	LIGHTING FIXTURES	4,450.00			JH
	Totals	4,450.00			

	Final Pricing	Calculated (\$)	Calculated (%)
	Database Material (Extension)	5,995.88	
	Quoted Material	4,450.00	
	Material Tax	731.21	7.000
	Material Total	11,177.09	
	Direct Labor	33,405.80	
	Labor Total	33,405.80	
	Subcontractors	-2,534.99	
	General Expenses	170.00	
	Total Cost	42,217.90	
	Subcontractors Overhead	-126.75	5.000
	Total Overhead	-126.75	-0.300
	Database Material Markup	641.56	10.000
	Quoted Material Markup	476.15	10.000
	Labor Markup	3,340.58	10.000
	Total Markup	4,458.29	10.592
	Selling Price	46,549.44	
	Final Price	46,549.44	



7180 Northland Circle, # 138  
Brooklyn Park, MN 55428  
Phone 763-478-2058  
Fax 763-478-2067

## CHANGE ORDER

**To:** E2 Electrical

**Date:** June 5, 2019

**Attn:** Mark Dobmeier

**Terms:** 30 days with progress billing

**Prices valid:** 60 Days, 1-year delivery

**Re:** Richfield STEM PR-#002 Pricing

WE ARE PLEASED TO QUOTE AS FOLLOWS, YOUR INQUIRY FOR:

**Add 1 ceiling strobe in classroom. Add 1 remote annunciator flush mount box.**

Labor Hours: 3.5 X 107.20 Totals \$375.20

Material Quantity: 1 X 296.96 Total \$296.96

Shipping & Tax: \$22.85

**Price: \$695.01**

- Price includes permit, labor, material, programming and testing, and documentation update.
- Electrical Contractor to provide all 120VAC, Grounding, Conduit, Electrical Boxes, Pathways and Plywood.
- **Not Included: any parts or labor not on Quote.**

The materials and workmanship furnished under this proposal shall comply with the rules and regulations set forth in the National Electrical Code and all state and local regulations governing such work. The price quoted includes required labor, material, programming, sales tax (if applicable), insurance, permit and inspection fees. Any changes in the above specifications shall be made in writing, and as evidence of agreement, shall be signed by both parties. The contractor shall not be held responsible or liable for any loss, damage or delay due to causes beyond his control. All labor and material furnished as a part of this proposal shall be guaranteed for a period of one year from date of substantial completion except as otherwise noted. Contractor's liability shall be limited to the replacement of defective parts. Warranty work shall take place during normal business hours. This proposal may be withdrawn by us if not accepted within 60 days from above date. The above proposal and terms of payment are hereby accepted, and you are authorized to do the work as specified.

Respectfully submitted,

ACCEPTANCE

Jesse Davis on behalf of,  
Contractor: Integrated Fire & Security, Inc.

Customer: \_\_\_\_\_  
Signature

By: \_\_\_\_\_

Date Signed: \_\_\_\_\_

**OLD BUSINESS - FOR ACTION**

**Agenda Item V.E.**

**Board of Education**  
Independent School District 280  
Richfield, Minnesota

**Regular Meeting, August 5, 2019**

**Subject: RSTEM Facilities Project Change Order #3**

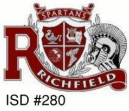
(Recommended by the Superintendent)

That the Board of Education approves RSTEM Facilities Project Change Order #3 with Shaw-Lundquist Associates for net increase of \$18,944.61 due to Special Education user group modifications and design clarifications.

**Background Information**

Change order number three provides additional visual display boards, tack boards, and marker boards to the special education spaces as well as walk off mat flooring to the west entrance where the pool building will be removed, along with select door hardware modifications to the RSTEM Building.

Original project cost was \$14,800,000.00. The total cost of the project is now \$14,897,014.58.



# CCO #003

ICS Consulting, Inc.  
3890 Pheasant Ridge Drive N.E., Suite 180  
Blaine, Minnesota 55449  
Phone: (763) 354-2670  
Fax: (763) 780-2866

**Project:** S180064 - STEM - ISD #280, Richfield STEM School  
7020 12th Ave S  
Richfield, Minnesota

## DRAFT

### Contract Change Order #003: Shaw Lundquist CO 003

<b>CONTRACT COMPANY:</b>	<b>Shaw-Lundquist Associates, Inc.</b> 2757 West Service Road St. Paul, Minnesota 55121	<b>CONTRACT FOR:</b>	SC-S180064 - STEM-001:Shaw-Lundquist Single Prime Contract
<b>DATE CREATED:</b>	7/12/2019	<b>CREATED BY:</b>	Raeann Wynn (ICS Consulting, Inc. - Blaine, MN)
<b>CONTRACT STATUS:</b>	Draft	<b>REVISION:</b>	0
<b>REQUEST RECEIVED FROM:</b>		<b>LOCATION</b>	
<b>DESIGNATED REVIEWER:</b>		<b>REVIEWED BY:</b>	
<b>DUE DATE:</b>		<b>REVIEW DATE:</b>	
<b>INVOICED DATE:</b>		<b>PAID DATE:</b>	
<b>REFERENCE:</b>		<b>CHANGE REASON:</b>	
<b>PAID IN FULL:</b>	No	<b>EXECUTED:</b>	No
<b>ACCOUNTING METHOD:</b>	Amount Based	<b>SCHEDULE IMPACT:</b>	0 days
<b>FIELD CHANGE:</b>	No	<b>TOTAL AMOUNT:</b>	\$18,944.61

#### DESCRIPTION:

A quarter of the costs is PR #003 that revised the layout for the two Special Education Suites. A small portion of the change is PR #005 which changes a few door locks, and the carpet near the pool.

CE #007 - PR #003 - SPED Suite Revisions: \$17,439.98

CE #011 - PR #005 - Door Openings, Hardware & Walk Off Carpet: \$1,504.63

#### ATTACHMENTS:

[CE 011-PR 005 Pricing.pdf](#) [CE 007-PR 003 Pricing rev.pdf](#)

#### CHANGE ORDER LINE ITEMS:

The original (Contract Sum)	\$ 14,800,000.00
Net change by previously authorized Change Orders	\$ 13,434.80
The contract sum prior to this Change Order was	\$ 14,813,434.80
The contract sum would be changed by this Change Order in the amount of	\$ 18,944.61
The new contract sum including this Change Order will be	\$ 14,832,379.41
The contract time will not be changed by this Change Order by 0 days	

**Shaw-Lundquist Associates, Inc.**  
2757 West Service Road  
St. Paul Minnesota 55121

**Wold Architects & Engineers**  
332 Minnesota Street STE W2000  
Saint Paul Minnesota 55101

**Independent School District #280**  
7001 Harriet Avenue S.  
Richfield Minnesota 55423

SIGNATURE

DATE

SIGNATURE

DATE

SIGNATURE

DATE





**SHAW-LUNDQUIST  
ASSOCIATES INC**

Shaw-Lundquist Associates, Inc.  
2757 West Service Road  
St. Paul, Minnesota 55121  
Phone: 651 454 0670  
Fax: 651 454 7982

**PCO #PR #003**

**Project:** 19763 - Richfield STEM School  
7020 12th Avenue South  
Richfield, Minnesota 55423

## Prime Contract Potential Change Order #PR #003: SPED Suite Revisions

<b>TO:</b>	Independent School District #280 7001 Harriet Avenue Richfield Minnesota, 55423	<b>FROM:</b>	Shaw-Lundquist Associates, Inc. (91319) - St. Paul Paul 2757 West Service Road St. Paul Minnesota, 55121
<b>PCO NUMBER/REVISION:</b>	PR #003 / 1	<b>CONTRACT:</b>	1 - Richfield STEM School Prime Contract
<b>REQUEST RECEIVED FROM:</b>	John Kretchmer (Wold Architects and Engineers)	<b>CREATED BY:</b>	Heather Vander Pal (Shaw-Lundquist Associates, Inc. (91319))
<b>STATUS:</b>	Pending - In Review	<b>CREATED DATE:</b>	4/12/2019
<b>REFERENCE:</b>		<b>PRIME CONTRACT CHANGE ORDER:</b>	None
<b>FIELD CHANGE:</b>	No	<b>CHANGE ORDER REQUEST:</b>	#PR #003 - SPED Suite Revisions
<b>LOCATION:</b>		<b>ACCOUNTING METHOD:</b>	Amount Based
<b>SCHEDULE IMPACT:</b>		<b>PAID IN FULL:</b>	No
		<b>TOTAL AMOUNT:</b>	\$17,439.98

**POTENTIAL CHANGE ORDER TITLE:** SPED Suite Revisions

**CHANGE REASON:** PR #003 -

**POTENTIAL CHANGE ORDER DESCRIPTION:** *(The Contract Is Changed As Follows)*

**CE #006 - PR #003 - SPED Suite Revisions**

**SPED Suite/ Calm Room Revisions**

- 3.1 A2.12a Second Level Floor Plan – Area 'A' (Phase I) - See revised plan for additional (2) marker boards and chase.
- 3.2 A2.13a Third Level Floor Plan – Area 'A' (Phase I) - See revised plan for relocation of marker boards.
- 3.3 A2.31a Main Level Floor Plan – Area 'A' (Phase III) - See revised plan and room schedule for modification of SPED Suite layout.
- 3.4 A2.901 Door/ Frame/ Louver/ Window Types and Door Schedules - See revised door schedule for (1) additional door and relocation of (2) doors per SPED Suite Layout modifications.
- 3.5 A3.12a Second Level Reflected Ceiling Plan – Area 'A' (Phase I) - See revised ceiling plan per floor plan changes.
- 3.6 A3.31a Main Level Reflected Ceiling Plan – Area 'A' (Phase III) - See revised ceiling plan per floor plan changes.
- 3.7 A4.701 Details – Wall Types - See revised sheet for additional wall type detail.
- 3.8 M3.32a First Level Hydronic Plan – Area 'A' (Phase III) - See modifications to hydronic piping and temperature sensor locations as indicated.
- 3.9 M4.32a First Level HVAC Plan – Area 'A' (Phase III) - See modifications to diffuser layout, diffuser quantity, VAV box locations and duct routes as indicated.
- 3.10 M5.101 First Level Fire Protection Plan - See modifications to sprinkler head types as indicated.
- 3.11 M5.102 Second Level Fire Protection Plan - See modifications to sprinkler head types as indicated.
- 3.12 M5.103 Third Level Fire Protection Plan - See modifications to sprinkler head types as indicated.
- 3.13 M8.201 Mechanical Schedules - See modifications to the mechanical schedules as indicated.
- 3.14 E2.31a - MAIN LEVEL LIGHTING PLAN - AREA 'A' PHASE III - See changes on updated drawings for relocated light fixtures, exit sign add, light switch add/delete.
- 3.15 E3.12a - SECOND LEVEL POWER PLAN - AREA 'A' PHASE I - See changes on updated drawing for general receptacle delete, interactive smart board receptacle add.
- 3.16 E3.13a - THIRD LEVEL POWER PLAN - AREA 'A' PHASE I - See changes on updated drawing for ceiling receptacle delete, general receptacle delete, interactive smart board receptacle add.
- 3.17 E3.31a - MAIN LEVEL POWER PLAN - AREA 'A' PHASE III - See changes on updated drawing for general receptacle relocate, interactive smart board receptacle add.
- 3.18 E4.31a - MAIN LEVEL SYSTEMS PLAN - AREA 'A' PHASE III - See changes on updated drawing for fire horn strobe add, paging speaker add, data add, volume control and Bogen intercom relocate

**ATTACHMENTS:**

[PR #003 Pricing for Approval STEM 2019-05-03.pdf](#)



SHAW-LUNDQUIST  
ASSOCIATES INC

PCO #PR #003

#	Cost Code	Description	Type	Amount
1		e2 Electrical Services	Commitment	\$ 5,740.71
2		Hamernick Contracting	Commitment	\$ 794.00
3		Kendell Door	Commitment	\$ 1,036.00
4		RTL Construction	Commitment	\$ 4,728.00
5		Absolute Flooring	Commitment	\$ 1,670.79
6		SLA - Install 2 Marker Boards 8 Hours @ \$105.00	Labor	\$ 840.00
7		SLA - Add door 16 Hours @ \$105.00	Labor	\$ 1,680.00
Subtotal:				\$16,489.50
Sub P & O: 5.00% Applies to Equipment, Commitment, Owner Cost, Professional Services, and Other.				\$ 698.48
SLA P & O : 10.00% Applies to Labor, Equipment, and Materials.				\$ 252.00
Grand Total:				\$17,439.98

John Kretchmer (Wold Architects and  
Engineers)

332 Minnesota Street Suite W2000  
St. Paul Minnesota 55102

Independent School District #280

7001 Harriet Avenue  
Richfield Minnesota 55423

Shaw-Lundquist Associates, Inc. (91319) -  
St. Paul

2757 West Service Road  
St. Paul Minnesota 55121

SIGNATURE

DATE

SIGNATURE

DATE

SIGNATURE

DATE

Architect

Owner

Chris James



## Electrical Services Inc

15895 Hwy 7 E  
Hutchinson, MN 55350  
P. 320-234-8330  
F. 320-587-7198

5/23/2019

Shaw-Lundquist Associates Inc.  
2757 West Service Road  
Eagan, MN 55121

### PROJECT: Richfield STEM PR 3

#### Specific Scope Items:

- 1) Permits and Inspections have been included.
- 2) Price per PR 3
- 3) Have removed the Interactive receptacle box per meeting on 5/23/19. A standard duplex will be mounted at 60" per plan.
- 4) Per PR 3 (6) duplex receptacles will be removed and the (6) ISM receptacles added.
- 5) ( 4 )duplex receptacles will be changed from duplex to quad receptacles.
- 6) Adding (1) quad in A210 staff room.

We will supply and install all materials, labor, and equipment for the total amount of \$ 5,740.71.

#### Payment Terms

Payments as invoiced.

#### Terms and Conditions

- 1) All applicable taxes are included in our submission.
- 2) Electrical shall be installed to standards of the National Electric Code and is guaranteed free from short circuits for one year. No other warranties are expressed or implied.
- 3) Electric Contractor shall make holes in the building to gain access for routing cables and conduits and shall not be held liable in any way for labor or costs incurred for painting, texturing, repairing walls or ceilings.
- 4) Time and materials work shall be charged \$110 an hour plus materials. Service calls shall be charged \$110 for the first half-hour, then \$110 per hour. \$110 is minimum charge.
- 5) Change orders: Any alteration or deviation from the above specifications involving extra costs will be made only upon written agreement, and will become an extra charge above the contract price to be paid immediately.
- 6) Delay: Electric Contractor will be excused for any delay beyond our control. These delays may include, but are not limited to acts of God, labor disputes, inclement weather, acts of owner or public authority, product shortages, or other unforeseen contingencies.
- 7) Right to stop work: If any payment under this contract is not made when due, Electric Contractor may stop suspend work until all payments have been made.
- 8) Any failure to make payments to Electric Contractor is subject to a claim against the property in accordance with applicable lien laws.
- 9) It is agreed that payments to Electric Contractor shall not be withheld due to any delay or failed payments to the part this proposal is submitted to.
- 10) Malicious mischief and vandalism on the job is the responsibility of the part this proposal is submitted to. Electric Contractor shall not be responsible for any damage resulting therefrom. Party submitted to shall carry needed insurance.
- 11) Overdue accounts will be charged a late charge at the rate of 1.5% per month plus a monthly administrative fee of \$20.00 or the maximum rate permitted by law.
- 12) In the event any party to this contract commences any action, legal or otherwise, to collect the contract price, the prevailing party shall be entitled to recover attorneys fees and all other costs incurred in connection with the action.
- 13) This proposal shall be effective for thirty days from the date set forth above, if this proposal is not accepted within this time it shall be expired. This proposal may be withdrawn any time before acceptance.
- 14) The language of all parts of this contract shall in all cases be construed as a whole, according to its fair meaning, and not strictly for or against any of the parties. No provision shall be deemed dependant upon any others.
- 15) If any provision of this contract is held by an arbitrator or court to be unenforceable, invalid or illegal, said provision shall be deemed to be deleted and shall not affect the validity of the remaining provisions of this contract.
- 16) Party submitted to shall give written notice of a back charge to Electric Contractor within ten days of the act giving rise to a back charge. If no such notice is given within the ten day period the back charge shall not be allowed.
- 17) In the event party submitted to does not request work to begin and/or the project is not in good condition to commence the work within 30 days after the acceptance of this contract, Electric Contractor shall have the option to terminate this contract.
- 18) Unless included in this proposal, all bonding and/or special insurance requirements are supplied at additional cost.

Accepted by

---

Client



# Electrical Services Inc

15895 Hwy 7 E  
Hutchinson, MN 55350  
P. 320-234-8330  
F. 320-587-7198

	Description	Quantit	Unit	Net Cost	Labor	Unit	Total Material	Total Hou
1	A1	-1	E	0.00	0.90	E	-0.00	-0.90
2	E1	2	E	0.00	0.83	E	0.00	1.66
3	1/2" CONDUIT - EMT	95	C	36.65	4.32	C	34.82	4.10
4	3/4" CONDUIT - EMT	0	C	64.78	0.00	C	0.00	0.00
5	1" CONDUIT - EMT	10	C	111.41	6.72	C	11.14	0.67
6	3/4" CONN SS DC - EMT	0	C	50.77	0.00	C	0.00	0.00
7	3/4" COUPLING SS DC - EMT	0	C	53.56	0.00	C	0.00	0.00
8	1/2" CONN SS STL - EMT	6	C	107.68	12.00	C	6.46	0.72
9	1" CONN SS STL - EMT	2	C	307.19	18.00	C	6.14	0.36
10	1/2" COUPLING SS STL - EMT	8	C	138.40	8.00	C	11.07	0.64
11	1" COUPLING SS STL - EMT	1	C	326.81	8.00	C	3.27	0.08
12	1/2" 1-H STRAP - EMT - STEEL	14	C	29.97	7.35	C	4.20	1.03
13	3/4" 1-H STRAP - EMT - STEEL	0	C	47.71	0.00	C	0.00	0.00
14	3/4" CONDUIT SUPPORT FOR ROD OR FLNG	2	C	37.56	7.65	C	0.75	0.15
15	1" SNAP CLOSE CLIP - SIDE MNT TO MTL STUD SUPPORT	2	C	150.21	11.85	C	3.00	0.24
16	3/4" FLEX - STEEL	12	C	92.47	5.85	C	11.10	0.70
17	3/4" CONN FLEX DC SQUEEZE STRAIGHT	4	C	204.19	15.00	C	8.17	0.60
18	#12 THHN BLACK	312	M	133.79	7.73	M	41.74	2.41
19	#12 THHN GREEN	49	M	133.79	7.73	M	6.56	0.38
20	#12/2C CABLE MC - STL ARMOR	30	M	1,025.00	26.10	M	30.75	0.78
21	#12/3C CABLE MC - STL ARMOR	-8	M	1,739.28	28.50	M	-13.91	-0.23
22	#18/2C CL2 JKT T-STAT CBL	0	M	202.23	0.00	M	0.00	0.00
23	3/8" CONN SADDLE GRIP DC FOR FLEX/AC-90/MC	2	C	92.77	9.00	C	1.86	0.18
24	WIRE CONN YEL	6	C	14.64	7.50	C	0.88	0.45
25	WIRE CONN RED	5	C	17.85	9.00	C	0.89	0.45
26	4x1 1/2" SQ BOX COMB KO	7	C	741.61	34.50	C	51.91	2.42
27	4x1 1/2" SQ BOX COMB KO W/ FLUSH MTL STUD BRKT	1	C	989.79	34.50	C	9.90	0.34
28	4" SQ 1G PLSTR RING 5/8" RISE	4	C	473.34	3.75	C	18.93	0.15
29	4" SQ 1G PLSTR RING 3/4" RISE	-3	C	518.18	3.75	C	-15.55	-0.11
30	4" SQ 2G PLSTR RING 5/8" RISE	1	C	315.86	3.75	C	3.16	0.04
31	4" SQ 2G PLSTR RING 3/4" RISE	3	C	687.26	3.75	C	20.62	0.11
32	4" SQ BLANK COVER	1	C	275.78	3.75	C	2.76	0.04
33	GROUND SCREW W/ INSUL #12 LEAD	2	C	254.22	4.50	C	5.08	0.09
34	#8 TO #10x 7/8 PLAS ANCHOR (3/16)	8	C	8.32	9.00	C	0.67	0.72
35	#8x 3/4 P/H SELF-TAP SCREW	0	C	8.16	0.00	C	0.00	0.00
36	#8x 1 P/H SELF-TAP SCREW	4	C	8.74	4.20	C	0.35	0.17
37	#10x 1 P/H SELF-TAP SCREW	20	C	9.75	4.50	C	1.95	0.90
38	#8x 1/2 WAFER HEAD SHEET MTL SCREW	4	C	4.40	2.25	C	0.18	0.09
39	24" SPAN T-BAR HNGR FOR 1 1/2" SQ BOX	2	C	665.63	22.50	C	13.31	0.45
40	1G TGL SWITCH PLATE - PLASTIC IVY	1	C	51.40	4.50	C	0.51	0.04
41	1G DUPLEX REC PLATE - PLASTIC IVY	0	C	39.38	0.00	C	0.00	0.00
42	2G DUPLEX REC PLATE - PLASTIC IVY	1	C	81.09	5.85	C	0.81	0.06
43	1G DUPLEX REC PLATE - 302 S/S	-3	C	120.00	4.05	C	-3.60	-0.12
44	2G DUPLEX REC PLATE - 302 S/S	3	C	560.00	5.85	C	16.80	0.18





## Electrical Services Inc

15895 Hwy 7 E  
Hutchinson, MN 55350  
P. 320-234-8330  
F. 320-597-7198

	Description	Quantit	Unit	Net Cost	Labor	Unit	Total Material	Total Hou
45	20A 120-277V 3/W SW - TOGGLE IVY (SG)	1	C	1,773.11	30.00	C	17.73	0.30
46	LV SWITCH RFS 6	0	E	0.00	0.00	E	0.00	0.00
47	LV S/SMNTG PLATE RP229	0	E	0.00	0.00	E	0.00	0.00
48	LV 1G 1-SW PLATE RP211 S/S	0	E	0.00	0.00	E	0.00	0.00
49	20A 125V DUP REC - IVY (SG)	2	C	1,872.00	30.00	C	37.44	0.60
50	20A 125V DUP REC - IVY (CS)	3	C	510.00	22.50	C	15.30	0.68
51	F/A STROBE - CEILING MNT	2	E	0.00	0.75	E	0.00	1.50
52	F/A VERIFICATION - PER SIGNALLING DEVICE	2	E	0.00	0.00	E	0.00	0.00
53	Interactive Smart board wall box	0	E	0.00	0.00	E	0.00	0.00

	Labor Type	Crew	Hours	Rate \$	Total	Full Rate
1	JOURNEYMAN Metro	1.00	23.12	110.00	2,543.20	110.00

	Subcontractors	Cost	Vendor
5	DATA & COMMUNICATION	990.00	Olympic
9	FIRE ALARM	631.00	IFS
	Totals	1,621.00	

	General Expenses	Quantity	Duration	Cost/Unit	Total Cost	Total
3	INSPECTION PERMIT	1.00		60.00	60.00	60.00
	Totals				60.00	60.00

	Quoted Materials	Cost	Adjustment %	Adjustment \$	Vendor
1	LIGHTING FIXTURES	700.00			JH
	Totals	700.00			

	Final Pricing	Calculated (\$)	Calculated (%)
	Database Material (Extension)	367.15	
	Quoted Material	700.00	
	Material Tax	74.70	7.000
	Material Total	1,141.85	
	Direct Labor	2,543.20	
	Labor Total	2,543.20	
	Subcontractors	1,621.00	
	General Expenses	60.00	
	Total Cost	5,366.05	
	Database Material Overhead	39.29	10.000
	Labor Overhead	254.32	10.000
	Subcontractors Overhead	81.05	5.000



# Electrical Services Inc

15895 Hwy 7 E  
Hutchinson, MN 55350  
P. 320-234-8330  
F. 320-587-7198

	Final Pricing	Calculated (\$)	Calculated (%)
	Total Overhead	374.66	6.982
	Selling Price	5,740.71	
	Final Price	5,740.71	





**SHAW-LUNDQUIST  
ASSOCIATES INC**

Shaw-Lundquist Associates, Inc.  
2757 West Service Road  
St. Paul, Minnesota 55121  
Phone: 651 454 0670  
Fax: 651 454 7982

**PCO #PR #005**

**Project:** 19763 - Richfield STEM School  
7020 12th Avenue South  
Richfield, Minnesota 55423

## Prime Contract Potential Change Order #PR #005: Door Openings, Hardware & Walk Off Carpet

<b>TO:</b>	Independent School District #280 7001 Harriet Avenue Richfield Minnesota, 55423	<b>FROM:</b>	Shaw-Lundquist Associates, Inc. (91319) - St. Paul 2757 West Service Road St. Paul Minnesota, 55121
<b>PCO NUMBER/REVISION:</b>	PR #005 / 0	<b>CONTRACT:</b>	1 - Richfield STEM School Prime Contract
<b>REQUEST RECEIVED FROM:</b>		<b>CREATED BY:</b>	Heather Vander Pal (Shaw-Lundquist Associates, Inc. (91319))
<b>STATUS:</b>	Pending - In Review	<b>CREATED DATE:</b>	5/7 /2019
<b>REFERENCE:</b>		<b>PRIME CONTRACT CHANGE ORDER:</b>	None
<b>FIELD CHANGE:</b>	No	<b>CHANGE ORDER REQUEST:</b>	#PR #005 - Door Openings, Hardware & Walk Off Carpet
<b>LOCATION:</b>		<b>ACCOUNTING METHOD:</b>	Amount Based
<b>SCHEDULE IMPACT:</b>		<b>PAID IN FULL:</b>	No
		<b>TOTAL AMOUNT:</b>	\$1,504.63

**POTENTIAL CHANGE ORDER TITLE:** Door Openings, Hardware & Walk Off Carpet

**CHANGE REASON:** PR #005

**POTENTIAL CHANGE ORDER DESCRIPTION:** *(The Contract Is Changed As Follows)*

CE #010 - PR #005 - Door Openings, Hardware & Walk Off Carpet

Door Openings, Hardware & Walk-Off Carpet:

- 5.1 A2.11c Main Level Floor Plan - Area 'C' (Phase I)  
- See changes to drawing for extension of walk-off carpet in Vestibule C130 into Corridor.
- 5.2 A2.12a Second Level Floor Plan - Area 'A' (Phase I)  
- See drawing for changes to door (A210B) swing.
- 5.3 A2.21b Main Level Floor Plan - Area 'B' (Phase II)  
- See drawing for changes to door (B112C) swing.
- 5.4 A2.901 Door/Frame/Louver/Window Types and Door Schedules  
- See drawings for changes to door schedules, door type L and additional frame type FR 5.
- 5.5 A4.104 Details - Enlarged Plans and Details  
- See changes to drawing for additional detail.
- 5.6 A5.601 Details - Exterior Openings  
- See changes to drawing for additional details.

**ATTACHMENTS:**

#	Cost Code	Description	Type	Amount
1		Kendell Door	Commitment	\$ 427.00
2		Absolute Flooring	Commitment	\$ 1,005.98
3		SeeBee Glass	Commitment	\$ 0.00
4		RTL Construction	Commitment	\$ 0.00
<b>Subtotal:</b>				<b>\$1,432.98</b>



SHAW-LUNDQUIST  
ASSOCIATES INC

PCO #PR #005

Sub P & O: 5.00% Applies to Equipment, Commitment, Owner Cost, Professional Services, and Other.	\$ 71.65
SLA P & O : 10.00% Applies to Labor, Equipment, and Materials.	\$ 0.00
Grand Total:	\$1,504.63

John Kretchmer (Wold Architects and  
Engineers)

332 Minnesota Street Suite W2000  
St. Paul Minnesota 55102

Independent School District #280

7001 Harriet Avenue  
Richfield Minnesota 55423

Shaw-Lundquist Associates, Inc. (91319) -  
St. Paul

2757 West Service Road  
St. Paul Minnesota 55121

SIGNATURE DATE

Architect

SIGNATURE DATE

Owner

SIGNATURE DATE

Chris James

Page: 1  
Proposal No.: 39072  
Proposal Change No.: 03  
Customer P.O. No.: RICHFIELD STEM 2018  
Proposal Date: 5/20/2019  
Customer ID: SHA  
Salesperson: Scott Mamer  
Project Mgr Phone: 651-529-8608  
Project Mgr Email: smamer@kendelldrs.com

Submitted To: SHAW-LUNDQUIST ASSOCIATES, INC.  
2757 WEST SERVICE ROAD  
St. Paul, MN 55121-1230

**Job Name: Richfield STEM School**

Pricing per PR #005

Description	Quantity	Unit Price	Total Price
Add FNV (N) door typeper PR #005	1	502.25	502.25
Delete frame at C139	1	-120.00	-120.00
Freight	1	14.87	14.87

Respectfully Submitted: \_\_\_\_\_

  
Scott Mamer

Accepted By: \_\_\_\_\_ Date: \_\_\_\_\_

Subtotal: 397.12  
Sales Tax: 29.88  
Total: 427.00

# Richfield STEM School 19763

## Sub Contractor Change Order Submission Form

PROJECT NAME: Richfield STEM School  
 Project Number: 19763  
 General Contractor: Shaw Lundquist  
 Sub Contractor: Absolute Commercial Flooring, Inc.  
 Change Document Reference #: PR 005  
 Date: 5/9/2019

### Sub Contractor Change Order Form

Number	EQUIPMENT			
	Unit of Equipment	Units of Time	Rate	Total
1				\$ -
	Total Equipment			\$ -
	SUPERVISORY PERSONNEL			
2	Position	Hours	Hourly Rate	Total
				\$ -
	Total Supervisory Personnel			\$ -
	TRADE LABOR			
3	Classification (Journeyman, Foreman, Gen. Foreman)	Units	Unit Rate	Total
	ADD carpet installation (SY)	11	7.35	\$ 80.85
	ADD vinyl base installation	28	1.35	\$ 37.80
	ADD Transitions	5	4.15	\$ 20.75
	Total Trade Labor			\$ 139.40
	MATERIAL			
4	Description	Quantity	Units	Unit Price
	ADD CPT-4	11.96 SY		50.1 \$
	ADD VB-1	120 LF		0.9 \$
	ADD Transitions	12 LF		2.5 \$
				\$ 737.20
	SUBCONTRACTOR (List any costs sub contracted out lower tier sub)			
5	Company / Scope of Work	Quantity	Units	Unit Price
				\$ -
				\$ -
				\$ -
	Total Subcontractor			\$ -
	SUMMARY			
6	Total Equipment			\$ -
7	Total Supervisory Personnel			\$ -
8	Total Trade Labor			\$ 139.40
9	Total Material			\$ 737.20
10	Total Subcontractor			\$ -
12	SUBTOTAL - COST			\$ 876.60
14	Performance & Payment Bond			%
15	Total Sales Tax			%
	SUBTOTAL - COST & MARKUPS			\$ 876.60
16	Overhead & Profit - Labor			10 % \$ 129.38
18	TOTAL			\$ 1,005.98

#### Notes

- A Sub contractor must submit cover page that describes nature of change order and scope of work
  - B Sub Contractor must submit copy of material invoices or quotes along with time cards for labor
  - D Overhead and Profit costs can not be included in labor, materials or equipment, all overhead and profit is to be included on OH&P Line Item 15.
  - E No OH&P costs can be calculated on sales tax
  - F Must provide any backup for any work or material completed by a lower tier sub contractor
  - H If job tickets were used to track work, tickets must be submitted as backup
- All change orders are subject to verification and audit

**OLD BUSINESS - FOR ACTION**

**Agenda Item V.F.**

**Board of Education**  
Independent School District 280  
Richfield, Minnesota

**Regular Meeting, August 5, 2019**

**Subject: RSTEM Facilities Project Change Order #4**

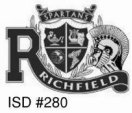
(Recommended by the Superintendent)

That the Board of Education approves RSTEM Facilities Project Change Order #4 with Shaw-Lundquist Associates for net increase of \$11,490.39 due to Mechanical specification modifications, finish detail clarifications and kitchen equipment modifications.

**Background Information**

Change order number four provides finish detail modifications for the bathroom tile to provide a metal transition strip due to existing conditions, specification modifications for the fin tube radiation covers in the classroom spaces and a modification to the kitchen equipment specification to provide the trash and recycling containers outside of the construction contract due to the ability to purchase these through a grant already in place with the district.

Original project cost was \$14,800,000.00. The total cost of the project is now \$14,908,504.97

**CCO #004**

ICS Consulting, Inc.  
3890 Pheasant Ridge Drive N.E., Suite 180  
Blaine, Minnesota 55449  
Phone: (763) 354-2670  
Fax: (763) 780-2866

**Project:** S180064 - STEM - ISD #280, Richfield STEM School  
7020 12th Ave S  
Richfield, Minnesota

**DRAFT****Contract Change Order #004: Shaw-Lundquist CO 004**

<b>CONTRACT COMPANY:</b>	<b>Shaw-Lundquist Associates, Inc.</b> 2757 West Service Road St. Paul, Minnesota 55121	<b>CONTRACT FOR:</b>	SC-S180064 - STEM-001:Shaw-Lundquist Single Prime Contract
<b>DATE CREATED:</b>	7/26/2019	<b>CREATED BY:</b>	Raeann Wynn (ICS Consulting, Inc. - Blaine, MN)
<b>CONTRACT STATUS:</b>	Draft	<b>REVISION:</b>	0
<b>REQUEST RECEIVED FROM:</b>		<b>LOCATION</b>	
<b>DESIGNATED REVIEWER:</b>		<b>REVIEWED BY:</b>	
<b>DUE DATE:</b>		<b>REVIEW DATE:</b>	
<b>INVOICED DATE:</b>		<b>PAID DATE:</b>	
<b>REFERENCE:</b>		<b>CHANGE REASON:</b>	
<b>PAID IN FULL:</b>	No	<b>EXECUTED:</b>	No
<b>ACCOUNTING METHOD:</b>	Amount Based	<b>SCHEDULE IMPACT:</b>	0 days
<b>FIELD CHANGE:</b>	No	<b>TOTAL AMOUNT:</b>	\$11,490.39

**DESCRIPTION:**

The cost is in PR 006 which adds covers to all the fin tube radiation. A credit was received to make the trash and recycling stainless steel counter smaller to accommodate smaller bins.

CE #012 - PR #006 - Finned Tube Radiation Modifications: \$17,733.67

CE #014 - SI #007R - Toilet Rooms A142 & A143 Stud Walls: \$0.00 - No cost impact

CE #033 - PR #015 - Schluter Finish Change and Flooring Revisions: \$695.31

CE #040 - PR #017 Food Service Equipment: (\$6,938.59)

**ATTACHMENTS:**

CE 040-PR017 Pricing.pdf CE 033-PR 015 Pricing.pdf CE 012-PR 006 Pricing.pdf

**CHANGE ORDER LINE ITEMS:**

The original (Contract Sum)	\$ 14,800,000.00
Net change by previously authorized Change Orders	\$ 13,434.80
The contract sum prior to this Change Order was	\$ 14,813,434.80
The contract sum would be changed by this Change Order in the amount of	\$ 11,490.39
The new contract sum including this Change Order will be	\$ 14,824,925.19
The contract time will not be changed by this Change Order by 0 days	





**CCO #004**

**Shaw-Lundquist Associates, Inc.**  
2757 West Service Road  
St. Paul Minnesota 55121

**Wold Architects & Engineers**  
332 Minnesota Street STE W2000  
Saint Paul Minnesota 55101

**Independent School District #280**  
7001 Harriet Avenue S.  
Richfield Minnesota 55423

**SIGNATURE** **DATE**

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**SIGNATURE** **DATE**



**SHAW-LUNDQUIST  
ASSOCIATES INC**

Shaw-Lundquist Associates, Inc.  
2757 West Service Road  
St. Paul, Minnesota 55121  
Phone: 651 454 0670  
Fax: 651 454 7982

**PCO #PR #006**

**Project:** 19763 - Richfield STEM School  
7020 12th Avenue South  
Richfield, Minnesota 55423

## Prime Contract Potential Change Order #PR #006: Finned Tube Radiation Modifications

<b>TO:</b>	Independent School District #280 7001 Harriet Avenue Richfield Minnesota, 55423	<b>FROM:</b>	Shaw-Lundquist Associates, Inc. (91319) - St. Paul 2757 West Service Road St. Paul Minnesota, 55121
<b>PCO NUMBER/REVISION:</b>	PR #006 / 0	<b>CONTRACT:</b>	1 - Richfield STEM School Prime Contract
<b>REQUEST RECEIVED FROM:</b>		<b>CREATED BY:</b>	Heather Vander Pal (Shaw-Lundquist Associates, Inc. (91319))
<b>STATUS:</b>	Pending - In Review	<b>CREATED DATE:</b>	5/9 /2019
<b>REFERENCE:</b>		<b>PRIME CONTRACT CHANGE ORDER:</b>	None
<b>FIELD CHANGE:</b>	No	<b>CHANGE ORDER REQUEST:</b>	#PR #006 - Finned Tube Radiation Modifications
<b>LOCATION:</b>		<b>ACCOUNTING METHOD:</b>	Amount Based
<b>SCHEDULE IMPACT:</b>		<b>PAID IN FULL:</b>	No
		<b>TOTAL AMOUNT:</b>	\$17,733.67

**POTENTIAL CHANGE ORDER TITLE:** Finned Tube Radiation Modifications

**CHANGE REASON:** PR #006 -

**POTENTIAL CHANGE ORDER DESCRIPTION:** *(The Contract Is Changed As Follows)*

CE #011 - PR #006 - Finned Tube Radiation Modifications

6 Finned Tube Radiation Modifications

6.1 M3.11a - Lower Level Hydronic Plan - Area 'A' (Phase I)

- See revised sheet for modifications to the heating water supply and return piping serving finned tube radiation installed in a later phase.

6.2 M3.11b - Lower Level Hydronic Plan - Area 'B' (Phase I)

- See revised sheet for the addition of valved and capped heating water supply and return piping to serve finned tube radiation installed in a later phase.

6.3 M3.13a - Second Level Hydronic Plan - Area 'A' (Phase I)

- See revised sheet for modifications to the finned tube radiation as indicated.

6.4 M3.13b - Second Level Hydronic Plan - Area 'B' (Phase I)

- See revised sheet for modifications to the finned tube radiation as indicated.

6.5 M3.14a - Third Level Hydronic Plan - Area 'A' (Phase I)

- See revised sheet for modifications to the finned tube radiation and removal of finned tube radiation and associated piping and components in the southeast stairwell as indicated.

6.6 M3.14b - Third Level Hydronic Plan - Area 'B' (Phase I)

- See revised sheet for modifications to the finned tube radiation and removal of finned tube radiation and associated piping and components in the northeast stairwell as indicated.

6.7 M3.31a - Lower Level Hydronic Plan - Area 'A' (Phase III)

- See revised sheet for the addition of finned tube radiation in the southwest stairwell and piping modifications as indicated.

6.8 M3.31b - Lower Level Hydronic Plan - Area 'B' (Phase III)

- See revised sheet for the addition of finned tube radiation in the northwest stairwell and piping modifications as indicated.

6.9 M3.31c - Lower Level Hydronic Plan - Area 'C' (Phase III)

- See revised sheet for modifications to the piping as indicated.

6.10 M3.32a - First Level Hydronic Plan - Area 'A' (Phase III)

- See revised see for modifications to the finned tube radiation as indicated.

6.11 M3.32b - First Level Hydronic Plan - Area 'B' (Phase III)

- See revised see for modifications to the finned tube radiation as indicated.

6.12 M3.32c - First Level Hydronic Plan - Area 'C' (Phase III)

- See revised see for modifications to the finned tube radiation as indicated.

6.13 M8.200 - Mechanical Schedules

- See revised sheet for modifications to the Fin Tube Radiation Schedule as indicated.

- See revised sheet for modifications to the Convector Schedule as indicated.



SHAW-LUNDQUIST  
ASSOCIATES INC

PCO #PR #006

ATTACHMENTS:

[PR #006 - Finned Tube Radiation Modifications.pdf](#)

#	Cost Code	Description	Type	Amount
1		Klamm Mechanical	Commitment	\$ 16,889.21
Subtotal:				\$16,889.21
Sub P & O: 5.00% Applies to Equipment, Commitment, Owner Cost, Professional Services, and Other.				\$ 844.46
SLA P & O : 10.00% Applies to Labor, Equipment, and Materials.				\$ 0.00
Grand Total:				\$17,733.67

John Kretchmer (Wold Architects and  
Engineers)

332 Minnesota Street Suite W2000  
St. Paul Minnesota 55102

Independent School District #280

7001 Harriet Avenue  
Richfield Minnesota 55423

Shaw-Lundquist Associates, Inc. (91319) -  
St. Paul

2757 West Service Road  
St. Paul Minnesota 55121

SIGNATURE

DATE

SIGNATURE

DATE

SIGNATURE

DATE

Architect

Owner

Chris James



12409 COUNTY ROAD 11 BURNSVILLE, MINNESOTA 55337

(952) 890-4868 • FAX (952) 890-4969

**CHANGE ORDER REQUEST**PROJECT Richfield STEM School COR NUMBER #005CHANGE ORDER REQUESTED BY Architect/ Engineer/ Owner DATE 5/9/2019OWNER AND/OR ARCHITECT-ENGINEER CHANGE ORDER REQUEST NUMBER PR #006

Equipment.....					
Material.....				\$7,460.64	
Sales Tax Cost	7.525%			\$561.41	
Freight .....					
				Material Sub-Total	\$8,022.05
Foreman	Man Hrs. @		Per Hour		\$0.00
Plumber	Man Hrs. @	\$95.00	Per Hour		\$0.00
Pipefitter	68.23 Man Hrs. @	\$100.00	Per Hour		\$6,823.00
Operator	Man Hrs. @		Per Hour		\$0.00
Laborer	Man Hrs. @		Per Hour		\$0.00
Shop Labor	Man Hrs. @		Per Hour		\$0.00
Engineering	Man Hrs. @		Per Hour		\$0.00
Drafting	Man Hrs. @		Per Hour		\$0.00
Trucking	Man Hrs. @		Per Hour		\$0.00
Testing & Clean-up .....					
Tool Replacement .....					
Parking - Travel time-Subsistence.....					
Temperature Inefficiency.....					
Overtime Inefficiency .....					
(Above labor rates include labor burden of insurance, fringes, health insurance and taxes.)					
				Labor-Sub-Total	\$6,823.00
Equipment Rental.....					
Subcontractor Insulation .....				\$533.00	
Sheet Metal.....					
Temperature Control.....					
Fire Protection .....					
				Subcontractor Sub-Total	\$533.00
5.00% Mark-up on Subcontractor.....					\$26.65
Indirect Costs for this Change Order.....					\$559.65
				Labor/Material Sub-Total Costs	\$14,845.05
This proposal maybe	Overhead	10.00%			\$1,484.51
withdrawn by us if not	Sub-Total.....				\$16,889.21
accepted within <u>15</u>	Margin				\$0.00
days.	Sub-Total.....				\$16,889.21
Time extension required			Credits.....		
days.				Change Order Sub-Total Costs	\$16,889.21
			Bond Premium.....	0.00%	\$0.00
Number of prints required:				TOTAL PRICE OF CHANGE.....	\$16,889.21
prints.					
Cost of this Change Order if not accepted.....					

Submitted By: Austin Jensen Date: 5/16/2019

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

NOTES

Category		Size	Item Desc	Qty	UOM	Material	Field Labor
						Mat Ext	Fld Ext
			Blr drn/Air vent	0.00	ea	0.00	0.0000
			Core Holes	0.00	ea	0.00	0.0000
			CF 3/4"	-2.00	ea	-30.00	-0.0600
			CF 1"	-2.00	ea	-50.00	-0.0600
			CF 1-1/4"	2.00	ea	70.00	0.0600
			CBV 3/4"	3.00	ea	135.00	0.9000
			CBV 1"	0.00	ea	0.00	0.0000
			CBV 1-1/4"	1.00	ea	90.00	0.4500
			CV 1/2"&3/4"	0.00	ea	0.00	0.0000
			Cut-In	4.00	ea	20.00	2.0000
			PR #006 FTR	1.00	ea	5,900.00	8.0000
COPPER KLM-LEAD FREE		3/4"	L-HARD TUBE	215.00	'	812.70	8.6000
COPPER KLM-LEAD FREE		1"	L-HARD TUBE	-40.00	'	-215.60	-2.0000
COPPER KLM-LEAD FREE		1-1/4"	L-HARD TUBE	10.00	'	75.60	0.5000
COPPER KLM-LEAD FREE		3/4"	45 ELBOW CxC	1.00	ea	3.02	0.4200
COPPER KLM-LEAD FREE		1"	45 ELBOW CxC	-1.00	ea	-7.59	-0.5000
COPPER KLM-LEAD FREE		1-1/4"	45 ELBOW CxC	2.00	ea	21.64	1.0800
COPPER KLM-LEAD FREE		3/4"	90 ELBOW CxC	53.00	ea	111.83	22.2600
COPPER KLM-LEAD FREE		1"	90 ELBOW CxC	-8.00	ea	-41.44	-4.0000
COPPER KLM-LEAD FREE		3/4"	UNION CxC	0.00	ea	0.00	0.0000
COPPER KLM-LEAD FREE		3/4"	ADAPTER CxF	-2.00	ea	-8.56	-0.9600
COPPER KLM-LEAD FREE		1"	ADAPTER CxF	-2.00	ea	-20.86	-1.1000
COPPER KLM-LEAD FREE		1-1/4"	ADAPTER CxF	2.00	ea	30.56	1.2600
COPPER KLM-LEAD FREE		1" x3/4" x3/4"	REDUCED TEE - 3X	2.00	ea	30.08	1.5000
COPPER KLM-LEAD FREE		1-1/4" x3/4" x3/4"	REDUCED TEE - 3X	-2.00	ea	-47.78	-1.6200
COPPER KLM-LEAD FREE		1-1/4" x3/4" x1"	REDUCED TEE - 3X	4.00	ea	102.92	3.2400
COPPER KLM-LEAD FREE		3/4"	TEE	25.00	ea	96.75	15.7500
COPPER KLM-LEAD FREE		1"	TEE	-1.00	ea	-11.98	-0.7500
COPPER KLM-LEAD FREE		3/4"	CAPS	2.00	ea	2.48	0.4200
COPPER KLM-LEAD FREE		1"	CAPS	0.00	ea	0.00	0.0000
COPPER KLM-LEAD FREE		3/4"	BALL/VLV SWT 150 2PC	4.00	ea	91.60	1.6800
COPPER KLM-LEAD FREE		1"	BALL/VLV SWT 150 2PC	0.00	ea	0.00	0.0000
COPPER KLM-LEAD FREE		1-1/4"	BALL/VLV SWT 150 2PC	1.00	ea	69.00	0.5400
COPPER KLM-LEAD FREE		3/4"	COUPLING	10.75	ea	15.05	0.0000
COPPER KLM-LEAD FREE		1"	COUPLING	-2.00	ea	-6.08	0.0000
COPPER KLM-LEAD FREE		1-1/4"	COUPLING	0.50	ea	2.67	0.0000
COPPER KLM-LEAD FREE		3/4"	HANGERS	26.00	ea	228.02	13.0000
COPPER KLM-LEAD FREE		1"	HANGERS	-3.00	ea	-28.29	-1.5000
COPPER KLM-LEAD FREE		1-1/4"	HANGERS	1.00	ea	10.04	0.5000
COPPER KLM-LEAD FREE		3/4"	JOINTS--SOLDER	220.00	ea	0.00	0.0000
COPPER KLM-LEAD FREE		1"	JOINTS--SOLDER	-23.00	ea	0.00	0.0000
COPPER KLM-LEAD FREE		1-1/4"	JOINTS--SOLDER	7.00	ea	0.00	0.0000
COPPER KLM-LEAD FREE		Unsize	SOLDER LBS-LEAD FREE	0.97	ea	24.14	0.0000
COPPER KLM-LEAD FREE		Unsize	PRESTOLITE B tank	0.19	ea	2.90	0.0000
COPPER KLM-LEAD FREE		1-1/4" x1"	REDUCED TEE - BRANCH	-2.00	ea	-37.22	-1.5800
COPPER KLM-LEAD FREE		3/4"	Y STRAINER BZ	0.00	ea	0.00	0.0000
COPPER KLM-LEAD FREE		3/4"	RISER CLAMPS	3.00	ea	29.34	1.2000



**JOB 575** 1/17/19: Richfield STEM Sch...  
**ESTIMATE 1** 1/17/19: Richfield STEM Sch...  
**DATA SET 4** COMM PHCC/EST 12/2005

PR #006  
Klamm Mechanical Contractors, Inc  
12409 County Road 11  
Burnsville, Mn 55337  
952.890.4868 / 952.890.4969  
a.jesen@klammmechanical.com

**PRINTED** 5/16/2019 4:24:55 PM

**NOTES**

Item				Material		Field Labor
Category	Size	Item Desc	Qty UOM	Mat Ext	Fld Ext	
COPPER KLM-LEAD FREE	1"	RISER CLAMPS	-1.00 ea	-12.55	-0.4000	
COPPER KLM-LEAD FREE	Unsize	FLUX--2 OZ. CAN	0.97 ea	9.66	0.0000	
COPPER KLM-LEAD FREE	Unsize	ABRASIVE CLOTH-25YD	0.04 ea	0.19	0.0000	
SCH 40 BLK 150# WLD	3/4"	THREAD-O-LET	-2.00 ea	-17.04	-0.8000	
SCH 40 BLK 150# WLD	1"	THREAD-O-LET	-2.00 ea	-19.88	-1.0000	
SCH 40 BLK 150# WLD	1-1/4"	THREAD-O-LET	2.00 ea	31.50	1.2000	
SCH 40 BLK 150# WLD	3/4"	JOINTS	-2.00 ea	0.00	0.0000	
SCH 40 BLK 150# WLD	1"	JOINTS	-2.00 ea	0.00	0.0000	
SCH 40 BLK 150# WLD	1-1/4"	JOINTS	2.00 ea	0.00	0.0000	
SCH 40 BLK 150# WLD	Unsize	WELD ROD--LBS.	-0.07 ea	-1.05	0.0000	
SCH 40 BLK 150# WLD	Unsize	OXYGEN--#244 CYL.	0.00 ea	-0.11	0.0000	
SCH 40 BLK 150# WLD	Unsize	ACETYLENE--#5 CYL.	0.00 ea	-0.01	0.0000	
Grand Totals				7,460.64	68.2300	



**PRIME MECHANICAL INSULATION, INC**  
1275 29TH AVE NE  
SAUK RAPIDS, MN 56379

## **COVER SHEET**

DATE: 05/14/19

TO: KLAMM MECHANICAL  
Austin

PHONE:  
FAX:

FROM: BERNIE NELSON

PHONE: 320-266-6570  
FAX: 320-240-2956

RE: RICHFIELD - STEM

NUMBER OF PAGES INCLUDING COVER SHEET: 2

MESSAGE: PR #6

MATERIAL	\$208.84
LABOR	\$276.55
<u>MARK UP</u>	<u>\$48.53</u>
TOTAL	\$533.00

THANK YOU

BERNIE NELSON

Proposal Recap

Project: RICHFIELD STEM PR #6  
 Bid Date/Time: 5/14/2019

Material:

Description	Size	Qty	U/P	Subtotal	T/L	Total
<b>1-1/2" THICK</b>	7/8X1-1/2	46	\$2.730	\$ 122.87		\$ 122.87
	1-1/8X1-1/2	-37	\$2.740	\$ (101.38)		\$ (101.38)
	1-3/8X1-1/2	30	\$2.941	\$ 88.23		\$ 88.23
	Total feet	38		\$ -		\$ -
Shields		7.6	\$ 5.25	\$ 39.90		\$ 39.90
				\$ -		\$ -
				Subtotal		\$ 149.61
				Misc.	30.0%	\$ 44.88
				Material and Misc		\$ 194.50
				Sales Tax	7.4%	\$ 14.34
				<b>Total Material</b>		<b>\$ 208.84</b>

Labor:

	Feet	Prod	Hrs
Mains	38	150	2.03
Field/Office Sup and Admin			1
			Total Hrs
			3.03
			Labor Cost
			\$137
			\$ 276.55
			3.02666667
			\$ -
Per Diem Days			0.37833333
			\$ -
			Total Labor
			\$ 276.55
			Subs/3rd Party
			\$ -
			Sub-Total for Page
			\$ 485.39
			Labor Markup 10.0%
			\$ 27.65
			Material Markup 10.0%
			\$ 20.88
			<b>Total for Page</b>
			<b>\$ 533.93</b>



## SUPPLEMENTAL INSTRUCTIONS

ISD #280 – Richfield Public Schools	Richfield STEM School
Shaw-Lundquist Associates, Inc.	Attn: Chris James
2757 West Service Road	
Saint Paul, Minnesota 55121	
651-454-0670	651-454-7982
cjames@shawlundquist.com	

This no cost change is to be carried out in accordance with the following modifications to the contract documents described herein. If this change affects cost, do not proceed with this change. Notify the Architect in writing within 10 days of receipt that an itemized (labor and material) quotation will be submitted within 21 days of initial receipt of this Supplemental Instruction. If a cost is not submitted within 21 days, this Supplemental Instruction will be accepted at no additional cost	<b>SI: #007R</b>
	<b>Comm: #182022</b>
	<b>Const. Pkg: #</b>

### Distribution:

- ☒ Dan Kretsinger, 280
- ☐ Rick Regnier, Richfield
- ☒ Andy Faulkner, ICS
- ☒ E. Sophaphanh, ICS
- ☒ Dave Phillips, ICS
- ☐ Chris Ghormley, AJA
- ☐ Matt Ricker, BKBM
- ☐ T. Broberg, BKBM
- ☐ John Dunne, Rippe
- ☐ Abdul Ganamo, Wold
- ☐ N. M.-Alquicira, Wold
- ☐ Joe Matlock, Wold
- ☐ Noa Nelson, Wold
- ☒ Michael Klass, Wold
- ☐ John Kretchmer, Wold

Item	Description
<b>7.1R</b>	<b>Drawing A4.103 – Enlarged Toilet Plans</b> Refer to revised wall type at east face of existing wall at Toilet Rooms A142 and A143. Provide 7/8" hat-shaped, rigid furring channels in lieu of 3-5/8" studs when abutting existing wall. Adjacent stud walls to remain as 3-5/8" studs. Provide 1/2" water resistant tile backer board as specified. Align adjacent wall types so as to provide flush substrate for installation of tile finish.

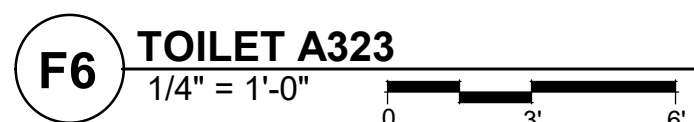
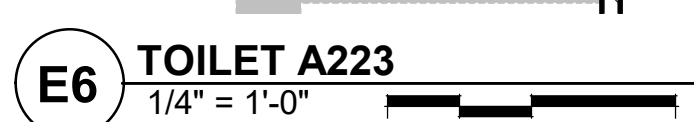
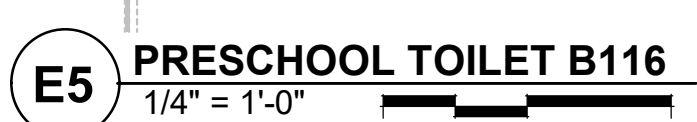
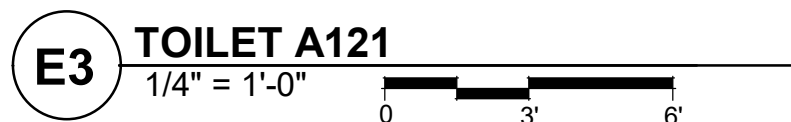
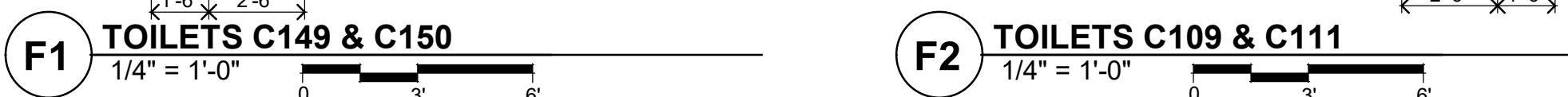
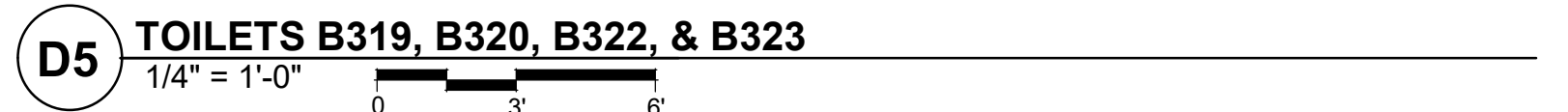
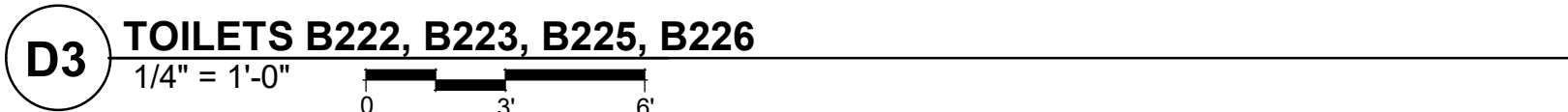
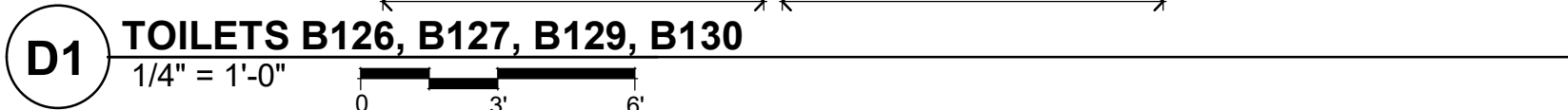
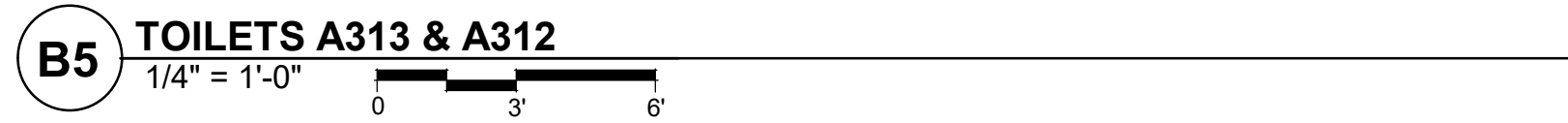
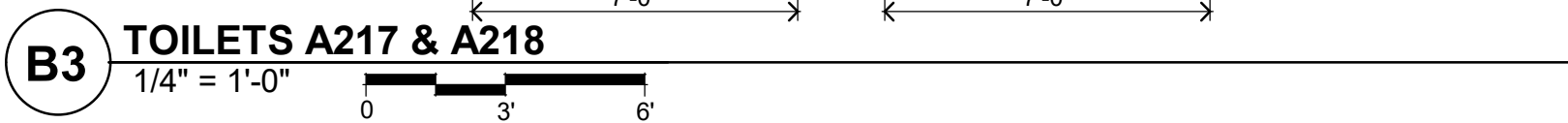
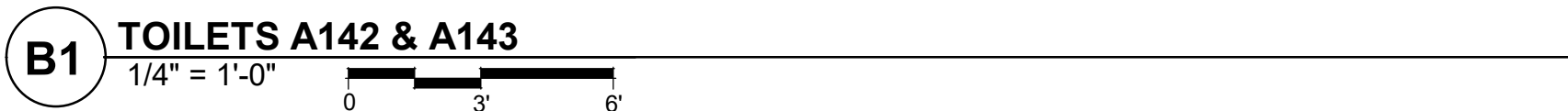
Attachments: Drawing A4.103

Issued By: John Kretchmer

Date: 05/24/2019

**Wold Architects and Engineers**  
332 Minnesota Street, Suite W2000  
Saint Paul, MN 55101  
woldae.com | 651 227 7773

**PLANNERS  
ARCHITECTS  
ENGINEERS**

**F**

woldac.com | 651 227 7773

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

# A4.103



**SHAW - LUNDQUIST  
ASSOCIATES INC**

Shaw-Lundquist Associates, Inc.  
2757 West Service Road  
St. Paul, Minnesota 55121  
Phone: 651 454 0670  
Fax: 651 454 7982

**PCO #PR #015**

**Project:** 19763 - Richfield STEM School  
7020 12th Avenue South  
Richfield, Minnesota 55423

**Prime Contract Potential Change Order #PR #015: Schluter Finish Change and Flooring Revisions**

<b>TO:</b>	Independent School District #280 7001 Harriet Avenue Richfield Minnesota, 55423	<b>FROM:</b>	Shaw-Lundquist Associates, Inc. (91319) - St. Paul 2757 West Service Road St. Paul Minnesota, 55121
<b>PCO NUMBER/REVISION:</b>	PR #015 / 0	<b>CONTRACT:</b>	1 - Richfield STEM School Prime Contract
<b>REQUEST RECEIVED FROM:</b>	John Kretchmer (Wold Architects and Engineers)	<b>CREATED BY:</b>	Heather Vander Pal (Shaw-Lundquist Associates, Inc. (91319))
<b>STATUS:</b>	Pending - In Review	<b>CREATED DATE:</b>	6/27 /2019
<b>REFERENCE:</b>		<b>PRIME CONTRACT CHANGE ORDER:</b>	None
<b>FIELD CHANGE:</b>	No	<b>CHANGE ORDER REQUEST:</b>	#PR #015 - Schluter Finish Change and Flooring Revisions
<b>LOCATION:</b>		<b>ACCOUNTING METHOD:</b>	Amount Based
<b>SCHEDULE IMPACT:</b>		<b>PAID IN FULL:</b>	No
		<b>TOTAL AMOUNT:</b>	\$695.31

**POTENTIAL CHANGE ORDER TITLE:** Schluter Finish Change and Flooring Revisions

**CHANGE REASON:** PR #015 -

**POTENTIAL CHANGE ORDER DESCRIPTION:** *(The Contract Is Changed As Follows)*

**CE #033 - PR #015 - Schluter Finish Change and Flooring Revisions**

Schluter Finish Change and Flooring Revisions

15.1 09 30 00-1 Tile Spec

Revise Metal Tile Trim Finish to Anodized Aluminum

15.2 A2.21b MAIN LEVEL FLOOR PLAN – AREA 'B' (PHASE II)

Revise flooring in Staff Break Room and Pre-K Storage closet

15.2 A4.301 MAIN LEVEL FLOOR FINISH PATTERN PLAN

Revise floor pattern plan to reflect changes

**ATTACHMENTS:**

#	Cost Code	Description	Type	Amount
1		Drake Tile	Commitment	\$ 0.00
2		Absolute Flooring	Commitment	\$ 662.20
<b>Subtotal:</b>				\$662.20
<b>Sub P &amp; O: 5.00% Applies to Commitment, Owner Cost, Professional Services, Other, and Equipment.</b>				\$ 33.11
<b>SLA P &amp; O : 10.00% Applies to Labor, Equipment, and Materials.</b>				\$ 0.00
<b>Grand Total:</b>				<b>\$695.31</b>



SHAW-LUNDQUIST  
ASSOCIATES INC

PCO #PR #015

John Kretchmer (Wold Architects and  
Engineers)

332 Minnesota Street Suite W2000  
St. Paul Minnesota 55102

Independent School District #280

7001 Harriet Avenue  
Richfield Minnesota 55423

Shaw-Lundquist Associates, Inc. (91319) -  
St. Paul

2757 West Service Road  
St. Paul Minnesota 55121

SIGNATURE DATE

Architect

SIGNATURE DATE

Owner

SIGNATURE DATE

Chris James



# Richfield STEM School 19763

## Sub Contractor Change Order Submission Form

PROJECT NAME: Richfield STEM School  
 Project Number: 19763  
 General Contractor: Shaw Lundquist  
 Sub Contractor: Absolute Commercial Flooring, Inc.  
 Change Document Reference #: PR 015  
 Date:

### Sub Contractor Change Order Form

Number	EQUIPMENT			
	Unit of Equipment	Units of Time	Rate	Total
1				\$ -
	<b>Total Equipment</b>			\$ -
	<b>SUPERVISORY PERSONNEL</b>			
2	Position	Hours	Hourly Rate	Total
				\$ -
	<b>Total Supervisory Personnel</b>			\$ -
	<b>TRADE LABOR</b>			
3	Classification (Journeyman, Foreman, Gen. Foreman)	Units	Unit Rate	Total
	ADD carpet installation (SY)	20	7.35 \$	147.00
	DEDUCT LVT installation (SF)	112	2 \$	(224.00)
	DEDUCT transition installation (LF)	22	3.5 \$	(77.00)
	<b>Total Trade Labor</b>			\$ (154.00)
	<b>MATERIAL</b>			
4	Description	Quantity	Units	Unit Price
	ADD CPT-5	24 SY		31.5 \$
	<b>Total Material</b>			\$ 756.00
	<b>SUBCONTRACTOR (List any costs sub contracted out lower tier sub)</b>			
	Company / Scope of Work	Quantity	Units	Unit Price
				\$ -
				\$ -
				\$ -
5	<b>Total Subcontractor</b>			\$ -
	<b>SUMMARY</b>			
	Total Equipment			\$ -
	Total Supervisory Personnel			\$ -
	Total Trade Labor			\$ (154.00)
	Total Material			\$ 756.00
6	Total Subcontractor			\$ -
7	<b>SUBTOTAL - COST</b>			\$ 602.00
8	Performance & Payment Bond			%
9	Total Sales Tax			%
10	<b>SUBTOTAL - COST &amp; MARKUPS</b>			\$ 602.00
12	Overhead & Profit - Labor			10 % \$ 60.20
14	<b>TOTAL</b>			\$ 662.20

### Notes

Sub contractor must submit cover page that describes nature of change order and scope of work  
 Sub Contractor must submit copy of material invoices or quotes along with time cards for labor  
 Overhead and Profit costs can not be included in labor, materials or equipment, all overhead and profit is to be included on OH&P Line Item 15.  
 No OH&P costs can be calculated on sales tax  
 Must provide any backup for any work or material completed by a lowe tier sub contractor  
 If job tickets were used to track work, tickets must be submitted as backup  
 All change orders are subject to verification and audit

A  
B  
D  
E  
F  
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H



**SHAW - LUNDQUIST  
ASSOCIATES INC**

Shaw-Lundquist Associates, Inc.  
2757 West Service Road  
St. Paul, Minnesota 55121  
Phone: 651 454 0670  
Fax: 651 454 7982

**PCO #PR #017**

**Project:** 19763 - Richfield STEM School  
7020 12th Avenue South  
Richfield, Minnesota 55423

**Prime Contract Potential Change Order #PR #017: Food Service Equipment Revisions**

<b>TO:</b>	Independent School District #280 7001 Harriet Avenue Richfield Minnesota, 55423	<b>FROM:</b>	Shaw-Lundquist Associates, Inc. (91319) - St. Paul 2757 West Service Road St. Paul Minnesota, 55121
<b>PCO NUMBER/REVISION:</b>	PR #017 / 0	<b>CONTRACT:</b>	1 - Richfield STEM School Prime Contract
<b>REQUEST RECEIVED FROM:</b>	John Kretchmer (Wold Architects and Engineers)	<b>CREATED BY:</b>	Heather Vander Pal (Shaw-Lundquist Associates, Inc. (91319))
<b>STATUS:</b>	Pending - In Review	<b>CREATED DATE:</b>	7/10 /2019
<b>REFERENCE:</b>		<b>PRIME CONTRACT CHANGE ORDER:</b>	None
<b>FIELD CHANGE:</b>	No	<b>CHANGE ORDER REQUEST:</b>	#PR #017 - Food Service Equipment Revisions
<b>LOCATION:</b>		<b>ACCOUNTING METHOD:</b>	Amount Based
<b>SCHEDULE IMPACT:</b>		<b>PAID IN FULL:</b>	No
		<b>TOTAL AMOUNT:</b>	(\$6,938.59)

**POTENTIAL CHANGE ORDER TITLE:** Food Service Equipment Revisions

**CHANGE REASON:** PR #017 -

**POTENTIAL CHANGE ORDER DESCRIPTION:** (The Contract Is Changed As Follows)

CE #038 - PR #017 - Food Service Equipment Revisions  
17 Food Service Equipment Revisions  
17.1 Spec Section 11 50 00 Foodservice Equipment  
- Revisions to trash/recycling/compost bins and counter

**ATTACHMENTS:**

#	Cost Code	Description	Type	Amount
1		Culinex	Commitment	(\$6,938.59)
<b>Subtotal:</b>				(\$6,938.59)
<b>Grand Total:</b>				(\$6,938.59)



SHAW-LUNDQUIST  
ASSOCIATES INC

PCO #PR #017

John Kretchmer (Wold Architects and  
Engineers)

332 Minnesota Street Suite W2000  
St. Paul Minnesota 55102

SIGNATURE

DATE

Architect

Independent School District #280

7001 Harriet Avenue  
Richfield Minnesota 55423

SIGNATURE

DATE

Owner

Shaw-Lundquist Associates, Inc. (91319) -  
St. Paul

2757 West Service Road  
St. Paul Minnesota 55121

SIGNATURE

DATE

Chris James



# Proposal

07/15/2019

**Project:**

Richfield Stem School - PR #017  
ISD #280  
7020 12th Ave South  
Richfield, MN 55423-3337

**From:**

Culinox  
Shawn Armstrong  
1802 First Ave S  
PO Box 2925  
Fargo, ND 58108-2925  
701-232-4428  
(701)232-4428 (Contact)

Item	Qty	Description	Sell	Sell Total
5	-4 ea	<b>COMMERCIAL WASTE CONTAINER</b> Carlisle Model No. 34103223 Packed 4 ea Bronco™ Waste Container, 32 gallon, 27-3/4"H x 22-3/8" dia. (25-1/2" dia. with handles), round, double-reinforced stress ribs, ergonomic Comfort Curve™ handles, drag skids, deep hand holds on base, polyethylene, gray, NSF	\$52.00	\$-208.00
	-4 ea	3691103 Bronco™ Container Dolly, round, 6"H x 17-3/4" dia., twist-to-lock, non-marking 3" swivel press-fit casters, fits 20, 32, 44 & 55 gal containers, polyethylene, black, NSF		
5a	2 ea	<b>COMMERCIAL WASTE CONTAINER</b> Carlisle Model No. 34103223 Packed 4 ea Bronco™ Waste Container, 32 gallon, 27-3/4"H x 22-3/8" dia. (25-1/2" dia. with handles), round, double-reinforced stress ribs, ergonomic Comfort Curve™ handles, drag skids, deep hand holds on base, polyethylene, gray, NSF	\$123.00	\$246.00
	2 ea	3691103 Bronco™ Container Dolly, round, 6"H x 17-3/4" dia., twist-to-lock, non-marking 3" swivel press-fit casters, fits 20, 32, 44 & 55 gal containers, polyethylene, black, NSF		
	2 ea	34103323 Bronco™ Waste Container Lid, round, 2-1/8"H x 22.5" dia. (25-1/2" dia. with handles), heavy-duty, snap down tab locks, for 32 gallon container, polyethylene, gray, NSF		
	2 ea	34103205 Bronco™ Waste Container, 32 gallon, 27-3/4"H x 22-3/8" dia. (25-1/2" dia. with handles), round, double-reinforced stress ribs, ergonomic Comfort Curve™ handles, drag skids, deep hand holds on base, polyethylene, red, NSF		
	2 ea	3691103 Bronco™ Container Dolly, round, 6"H x 17-3/4" dia., twist-to-lock, non-marking 3" swivel press-fit casters, fits 20, 32, 44 & 55 gal containers, polyethylene, black, NSF		
	2 ea	34103305 Bronco™ Waste Container Lid, round, 2-1/8"H x 22.5" dia. (25-1/2" dia. with handles), heavy-duty, snap down tab locks, for 32 gallon container, polyethylene, red, NSF		
	2 ea	BROKEN CASE FEE Broken Case Fee - Case QTY is 4 ea/case - Each color is ordered separately		
5b	4 ea	<b>COMMERCIAL WASTE CONTAINER</b>	\$59.00	\$236.00

Item	Qty	Description	Sell	Sell Total
		Carlisle Model No. 34103209 Packed 4 ea Bronco™ Waste Container, 32 gallon, 27-3/4"H x 22-3/8" dia. (25-1/2" dia. with handles), round, double-reinforced stress ribs, ergonomic Comfort Curve™ handles, drag skids, deep hand holds on base, polyethylene, green, NSF		
	4 ea	3691103 Bronco™ Container Dolly, round, 6"H x 17-3/4" dia., twist-to-lock, non-marking 3" swivel press-fit casters, fits 20, 32, 44 & 55 gal containers, polyethylene, black, NSF		
	4 ea	34103309 Bronco™ Waste Container Lid, round, 2-1/8"H x 22.5" dia. (25-1/2" dia. with handles), heavy-duty, snap down tab locks, for 32 gallon container, polyethylene, green, NSF		
5c	2 ea	<b>COMMERCIAL WASTE CONTAINER</b> Carlisle Model No. 34103214 Packed 4 ea Bronco™ Waste Container, 32 gallon, 27-3/4"H x 22-3/8" dia. (25-1/2" dia. with handles), round, double-reinforced stress ribs, ergonomic Comfort Curve™ handles, drag skids, deep hand holds on base, polyethylene, blue, NSF	\$61.50	\$123.00
	2 ea	3691103 Bronco™ Container Dolly, round, 6"H x 17-3/4" dia., twist-to-lock, non-marking 3" swivel press-fit casters, fits 20, 32, 44 & 55 gal containers, polyethylene, black, NSF		
	2 ea	34103314 Bronco™ Waste Container Lid, round, 2-1/8"H x 22.5" dia. (25-1/2" dia. with handles), heavy-duty, snap down tab locks, for 32 gallon container, polyethylene, blue, NSF		
	1 ea	BROKEN CASE FEE Broken Case Fee		
15	-2 ea	<b>TRASH / RECYCEL COUNTER</b> Murphy Construction Services Model No. CUSTOM Feature: 16 gauge stainless steel top, 32" wide x 78" long x 1-1/2"; 16 gauge stainless steel brushed finish, aluminum connecting sockets; 20 gauge w/ stainless steel barrel guides, stud weld to support channels; (3) disposal openings, high density polyethylene colored rings (1) each blue, red and green; (4) stainless steel removable 5" deep x 6" wide x 11" long soiled utensil rack, mount on keyhole bolts at end of table	\$3,425.00	\$-6,850.00
15	2 ea	<b>TRASH/RECYCLE/COMPOST COUNTER</b> OWNER Model No. CUSTOM This item is by owner and is not in the 11 40 00 Contract		<By Owner>
717	1 ea	<b>SALES TAX</b> ZZ Tax Model No. SALES TAX Sales Tax 7.525%	\$-485.59	\$-485.59
Total				\$-6,938.59

This proposal is good for 30 days from the date provided. Installation Note: All equipment is to be delivered, uncreated, set-in place leveled ready for final connection by others, plumbing, HVAC, electrical and other trades. Exhaust hoods will be installed pending permitting. Exhaust and make-up air units are to be placed by HVAC. Start-up: After all equipment has been connected by trade Culinex will start and verify operation of all equipment provided within this quote. We will advise if any corrections will be required in order to commission equipment. Warranty: Equipment warranty is based upon the manufacturers guide lines. Culinex provide a 90 day warranty on all items provided and installed. One year as permitted by manufacturers. Four year added compressor warranty on refrigeration equipment. Contract Requirements: A detailed purchase order or a contract with 30% down is required to place all items into purchasing and/or request shop drawings. Payment terms will be listed in the project contract. Ownership of proposal and drawings: The proposal and drawings are for information use only, (NOT FOR CONSTRUCTION) until the local health department has approved the plans and equipment outline. Culinex shall retain ownership of the documents and are to be used for this project only.



**Terms of Sale:**

The risk in the Goods shall pass to the Buyer on delivery, but the title to the goods shall remain vested in the Seller until the Seller has received payment in full in cleared funds. Do not give carrier clear receipt if you find shipment damaged or short. Receipt from carrier ends our responsibility. Please make claim with carrier. Do not deduct from invoice. A finance charge of 1.5% per month will be added to all amounts beyond terms. This is an annual percentage rate of 18%. Minimum finance charge is \$.50. All special orders require a minimum 30% down payment. I understand and agree to these term.

Initial \_\_\_\_\_

**Returns:**

All regular stocking items may be returned for full credit in new un-used condition in the original packaging. Non-stock or special order items may be returned provided the factory will take them back in new un-used condition in original packaging. A restocking charge (30% minimum) plus any return freight charges incurred will be applied to your account. Custom fabrication or made to order items may not be returned for credit. All items must be returned within 30 days of invoice. I understand and agree to the returns policy.

Initial \_\_\_\_\_

Acceptance: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Date: \_\_\_\_\_

## **OLD BUSINESS – FOR ACTION**

**Agenda Item V.G.**

**Board of Education**  
Independent School District 280  
Richfield, Minnesota

**Regular Meeting, August 5, 2019**

**SUBJECT: Richfield High School – Spring/Summer 2019 Asbestos Abatement Project Change Order #1**

(Recommended by Superintendent)

That the Board of Education approves RHS Abatement Project Change Order #1 to account for actual time and materials charges associated with the asbestos abatement work as part of the RHS facilities project. Primary changes were previously pre-approved by the board at the June 10 board meeting as a result of changes to scope of the project for the current year versus future project work. The value of the change order is \$108,871.88 which is less than the previously authorized changes which were approved at an amount not to exceed \$172,200. The project realized certain efficiencies with the time and materials bid as well as the additional project work which included additional piping abatement as proposed.

**Background Information**

(Prepared by Craig Holje)

Several mechanical heating piping lines were discovered that were not located correctly on the existing building plans. A revised plan was developed in partnership with the mechanical contractors and Wold's mechanical team to move a heat exchanger to a new location closer to the boiler room and then extend new hot water piping to feed the new units. It also includes installing new hot water coils that were planned for next summer's phase, this summer.

The redesign changes the scheduling for both the installation and demolition components of the mechanical project and reprioritization of the work. This results in the demolition of the existing piping in two tunnel areas previously scheduled for 2020 and requires additional asbestos abatement for this summer. While the work was added as a change order to Titan Environmental's current contract on the High School, these costs would have been incurred in the next phase of abatement projects that are not under contract yet. The project that will be issued for the asbestos removal in 2020 will have a reduced scope due to this work being eliminated that summer.

Original project cost were \$420,000.00 The total project cost is now \$528,871.88.



# AIA® Document G701™ – 2017

## Change Order

**PROJECT:** *(Name and address)*  
Richfield High School - Spring-Summer  
2019 Asbestos Removal  
7001 Harriet Avenue South  
Richfield, MN 55423

**CONTRACT INFORMATION:**  
Contract For: Asbestos Removal  
  
Date: April 01, 2019

**CHANGE ORDER INFORMATION:**  
Change Order Number: 001  
  
Date: July 2, 2019

**OWNER:** *(Name and address)*  
Richfield ISD #280  
7001 Harriet Avenue South  
Richfield, MN 55423

**ARCHITECT:** *(Name and address)*  
Institute for Environmental Assessment  
9201 West Broadway North, Suite  
600  
Brooklyn Park, MN 55445-  
1926

**CONTRACTOR:** *(Name and address)*  
Titan Environmental  
968 Lake Street South  
Forest Lake, MN 55025

### THE CONTRACT IS CHANGED AS FOLLOWS:

*(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)*

\*See below for description summary.

### Additions to Contract Sum:

4/19-4/24/19:	District Office Tunnel Duct Demolition 81 worker hr @ \$105/hr		\$8,505.00
5/21/19:	North Crawl Space live steam line re-insulation 8 worker hr @ \$105/hr		\$840.00
5/29-5/31/19:	District Office Tunnel Mechanical Room 28.5 worker hr @ \$105/hr 6 OT hr @ \$157.50/hr	\$2,992.50 \$945.00	\$3,937.00
5/29-6/4/19:	Tunnel G2 and Mechanical Room F015 (Green Tunnel) 158 worker hr @ \$105/hr 50 OT hr @ \$157.50/hr	\$16,590.00 \$7,875.00	\$24,465.00
5/31/19:	Exterior Below Grade Transite Piping 1 worker hr @ \$105/hr		\$105.00
6/3-6/13/19:	Tunnels A1 and A2 (Yellow Tunnel) 344.25 worker hr @ \$105/hr 175.75 OT hr @ \$157.50/hr	\$36,146.25 \$27,208.13	\$63,354.38
6/10-6/12/19:	Media Center Ductwork Wrapping (Drop Ceiling Removal) 33.25 worker hr @ \$105/hr 26.50 OT hr @ \$157.50/hr	\$3,491.25 \$4,173.75	\$7,665.00

**Total Change to Contract Sum; \$108,871.88**

\*The additions to the contract are for additional abatement work required to complete the scope of work for this phase of construction. The majority of the items were found to be containing asbestos during the construction. Two items (labeled as green tunnel and yellow tunnel) are due to unforeseen piping routing and the requirement of completing this work in this phase. These items are now eliminated from a future scope of abatement planned for the Summer of 2020.

The original Contract Sum was	\$	420,000.00
The net change by previously authorized Change Orders	\$	0.00
The Contract Sum prior to this Change Order was	\$	420,000.00
The Contract Sum will be increased by this Change Order in the amount of	\$	108,871.88
The new Contract Sum including this Change Order will be	\$	528,871.88

The Contract Time will be increased by Zero (0) days.  
The new date of Substantial Completion will be September 30, 2019.

**NOTE:** This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

**NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.**

Institute for Environmental Assessment

ARCHITECT (Firm name)



SIGNATURE

Michael Voss, Project Manager

PRINTED NAME AND TITLE

7/2/19

DATE

Titan Environmental, Inc.

CONTRACTOR (Firm name)



SIGNATURE

Chris Freudenberg, Project Manager


PRINTED NAME AND TITLE

7/2/19

DATE

Richfield ISD #280

OWNER (Firm name)



SIGNATURE

Craig Holje, Chief H/R & Admin Officer

PRINTED NAME AND TITLE

DATE

**Richfield Change Orders**

<u>Discription</u>	<u>19-Apr</u>	<u>22-Apr</u>	<u>23-Apr</u>	<u>24-Apr</u>	<u>21-May</u>	<u>29-May</u>	<u>30-May</u>	<u>31-May</u>	<u>1-Jun</u>	<u>3-Jun</u>	<u>4-Jun</u>	<u>5-Jun</u>	<u>6-Jun</u>	<u>Total</u>	<u>Rate</u>	<u>Price</u>
Duct Demo Dist. Office Straight Time	12.50													12.50	\$105.00	\$1,312.50
Tunnel Duct Demo Dist. Office Straight Time		16.50	48.00											64.50	\$105.00	\$6,772.50
Dist. Transite Behind Cabinets Straight Time				4.00										4.00	\$105.00	\$420.00
Insulate Steam Line N. Crawl Space. Straight Time					8.00									8.00	\$105.00	\$840.00
Small tunnel mechanical rm pipe wrap-n-cut Straight Time						18.00	4.00	6.50						28.50	\$105.00	\$2,992.50
Small tunnel mechanical rm pipe wrap-n-cut Over Time							6.00							6.00	\$157.50	\$945.00
Extra Green Tunnel Straight Time					4.00	43.00	28.50	50.00	23.50	9.00				158.00	\$105.00	\$16,590.00
Extra Green Tunnel Over Time					10.00	6.00	24.00	10.00						50.00	\$157.50	\$7,875.00
Transite pipe outside Straight Time							1.00							1.00	\$105.00	\$105.00
Extra Yellow Tunnel Straight Time										32.00	75.25	39.00	48.00	194.25	\$105.00	\$20,396.25
Extra Yellow Tunnel Over Time										32.50	26.75	27.00	22.50	108.75	\$157.50	\$17,128.13
<b>Sub Totals</b>	12.50	16.50	48.00	4.00	8.00	32.00	59.00	60.00	60.00	88.00	111.00	66.00	70.50	635.50	\$118.61	\$75,376.88

<u>Discription</u>	<u>7-Jun</u>	<u>10-Jun</u>	<u>11-Jun</u>	<u>12-Jun</u>	<u>13-Jun</u>									<u>Total</u>	<u>Rate</u>	<u>Price</u>
Extra Yellow Tunnel Straight Time	56.00	57.00	29.00	6.00	2.00									150.00	\$105.00	\$15,750.00
Extra Yellow Tunnel Over Time		22.50	1.00	40.50										64.00	\$157.50	\$10,080.00
Extra Wrapping Duct Straight Time		1.75	27.00	4.50										33.25	\$105.00	\$3,491.25
Extra Wrapping Duct Over Time		2.50	24.00											26.50	\$157.50	\$4,173.75
<b>Sub Totals</b>	56.00	83.75	81.00	51.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	273.75	\$122.36	\$33,495.00
<b>Totals as 6/13 @1:18PM</b>	68.50	100.25	129.00	55.00	10.00	32.00	59.00	60.00	60.00	88.00	111.00	66.00	70.50	909.25	\$119.74	\$108,871.88



# Extra Work Information Sheet

4/22/19 +  
4/23/19

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> 1B	<b>Start Date:</b> 4/22/19 <b>Completion Date:</b> 4/23/19
<b>Location:</b> Tunnels below District Office		<b>On-Site Technician:</b> Ryan Ranc	

Material Type	Amount
Duct Work Demo	

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	4/22/19		16 hr
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure	4/23/19		48 hrs
<input type="checkbox"/> Within Existing Enclosure			
<input checked="" type="checkbox"/> Other: DEMO	Total Hours =		64.5 hrs

Description of Work:

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Site Supervisor (Contractor)

4-24-19  
Date

  
IEA Field Technician

4/24/19  
Date





# Extra Work Information Sheet

Project Name: <i>Spring/Summer 2019 Asbestos Removal</i>	Project Number: <i>201910208</i>	Phase Number: <i>1A</i>	Start Date: <i>4/19/19</i>
			Completion Date: <i>4/19/19</i>
Location: <i>District Office</i>		On-Site Technician: <i>Ryan Rand</i>	

Material Type	Amount
<i>Duct Work Demo</i>	

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	<i>5 workers</i>		<i>2.5</i>
<input type="checkbox"/> Mini Enclosure	<i>Total Hours =</i>		<i>12.5 hrs</i>
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input checked="" type="checkbox"/> Other: <i>DEMO</i>			

Description of Work:

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<i>[Signature]</i>	<i>4-19-19</i>	<i>[Signature]</i>	<i>4/19/19</i>
Site Supervisor (Contractor)	Date	IEA Field Technician	Date



# Extra Work Information Sheet

Project Name: <i>Spring/Summer 2019 Asbestos Removal</i>	Project Number: <i>201910208</i>	Phase Number: <i>1A</i>	Start Date: <i>4/24/19</i>
Location: <i>District Office</i>		On-Site Technician: <i>Ryan Rand</i>	
Completion Date: <i>4/24/19</i>			

Material Type	Amount
Transite Panels	90 ft <sup>2</sup>

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	<i>1 Worker</i>		<i>4 hrs</i>
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure			
<input checked="" type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

## Description of Work:

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*[Signature]*  
Site Supervisor (Contractor)

*4-24-19*  
Date

*[Signature]*  
IEA Field Technician

*4/24/19*  
Date



# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 6/10/19
			<b>Completion Date:</b>
<b>Location:</b> Media Center		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	Total (OT)		4.25(2.5)
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

**Description of Work:**

Duct work wrap

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Bill Freudentberg	6/10/19	Ryan Rand	6/10/19
<b>Site Supervisor (Contractor)</b>	<b>Date</b>	<b>IEA Field Technician</b>	<b>Date</b>



# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 6/11/19
			<b>Completion Date:</b>
<b>Location:</b> Media Center		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	Total (OT)		51(24)
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

## Description of Work:

Duct work wrap

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Bill Freudenberg	6/11/19	Ryan Rand	6/11/19
<b>Site Supervisor (Contractor)</b>	<b>Date</b>	<b>IEA Field Technician</b>	<b>Date</b>





# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 6/12/19 <b>Completion Date:</b>
<b>Location:</b> Media Center		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	Total (OT)		4.5
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

## Description of Work:

Duct work wrap

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Bill Freudenberg	6/11/19	Ryan Rand	6/12/19
Site Supervisor (Contractor)	Date	IEA Field Technician	Date



# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 5/29/19
			<b>Completion Date:</b>
<b>Location:</b> Dist. Office Mechanical Room 1018		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount
Milboard	

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	Rafeal Soto		9
<input type="checkbox"/> Mini Enclosure	Jose Henandez		9
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:	Total -		18

## Description of Work:

Wrapping pipes to be removed

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Bill Freudenberg	5/29/19	Ryan Rand	5/29/19
<b>Site Supervisor (Contractor)</b>	<b>Date</b>	<b>IEA Field Technician</b>	<b>Date</b>





# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 5/30/2019 <b>Completion Date:</b>
<b>Location:</b> Mechanical Room I018		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount
Milboard pipe insulation	2.5 ft

Removal Method	Worker(s) Name(s)	W/S	Hours
<input checked="" type="checkbox"/> Glovebag      How Many <u>3</u>	Total (OT)		10 (6)
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

## Description of Work:

Glove bags to make incisions for wrap and cut removal.

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Bill Freudenberg	5/30/19	Ryan Rand	5/30/19
<b>Site Supervisor (Contractor)</b>	<b>Date</b>	<b>IEA Field Technician</b>	<b>Date</b>



# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 5/31/2019
			<b>Completion Date:</b>
<b>Location:</b> Mechanical Room I018		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount
Milboard pipe insulation	75
Mudded fittings on milboard	10

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	Total (OT)		6.5 (0)
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input checked="" type="checkbox"/> Other:			

**Description of Work:**

Wrap and cut removal in mechanical room I018

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Bill Freudenberg	5/31/19	Ryan Rand	5/31/19
<b>Site Supervisor (Contractor)</b>	<b>Date</b>	<b>IEA Field Technician</b>	<b>Date</b>



# Extra Work Information Sheet

<b>Project Name:</b> Spring/ Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 5/31/19 <b>Completion Date:</b> 5/31/19
<b>Location:</b> Outside Main Door(Construction Site)		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount
Transite	30 ft

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____			
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input checked="" type="checkbox"/> Other:	Debris clean-up		1

## Description of Work:

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Bill Freudenburg	5/31/2019	Ryan Rand	5/31/2019
<b>Site Supervisor (Contractor)</b>	<b>Date</b>	<b>IEA Field Technician</b>	<b>Date</b>



Green

# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 5/29/19
			<b>Completion Date:</b>
<b>Location:</b> Tunnel G2 & F015		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	Jose Hernandez		2
<input type="checkbox"/> Mini Enclosure	Salvador Marin		4
<input type="checkbox"/> Full Enclosure	Vicente Sanchez		4
<input type="checkbox"/> Within Existing Enclosure	Conrado Sanchez		4
<input type="checkbox"/> Other:	Total (OT) -		14 (10)

## Description of Work:

Start to set up containment in Tunnel G2.

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Bill Freudenberg	5/29/19	Ryan Rand	5/29/19
<b>Site Supervisor (Contractor)</b>	<b>Date</b>	<b>IEA Field Technician</b>	<b>Date</b>





# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 5/30/19
			<b>Completion Date:</b>
<b>Location:</b> Tunnel G2 & F015		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	Total (OT) -		49 (6)
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

## Description of Work:

Set up containment

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Bill Freudenberg	5/30/19	Ryan Rand	5/30/19
<b>Site Supervisor (Contractor)</b>	<b>Date</b>	<b>IEA Field Technician</b>	<b>Date</b>



# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 5/31/19
		<b>Completion Date:</b>	
<b>Location:</b> Tunnel G2 & F015		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount
Milboard pipe insulation	
Mudded fittings on milboard	

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many <u>N/A</u>			
<input type="checkbox"/> Mini Enclosure			
<input checked="" type="checkbox"/> Full Enclosure	Total (OT) -		52.5 (24)
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

## Description of Work:

Removing Milboard pipe insulation and mudded fittings.

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Bill Freudenberg	5/31/19	Ryan Rand	5/31/19
Site Supervisor (Contractor)	Date	IEA Field Technician	Date





# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 6/1/2019
			<b>Completion Date:</b>
<b>Location:</b> Tunnel G2 & F015		<b>On-Site Technician:</b> Jon Habersetzer	

Material Type	Amount
Millboard Pipe Insulation	
Mudded Fittings	

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____			
<input type="checkbox"/> Mini Enclosure			
<input checked="" type="checkbox"/> Full Enclosure	Total (OT) -		60 (10)
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

## Description of Work:

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Bill Freudenberg      6/1/2019  
**Site Supervisor (Contractor)      Date**

Jon Habersetzer      6/1/2019  
**IEA Field Technician      Date**



# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 6/3/2019
			<b>Completion Date:</b>
<b>Location:</b> Tunnel G2 & F015		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount
Millboard Pipe Insulation	
Mudded Fittings	

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____			
<input type="checkbox"/> Mini Enclosure			
<input checked="" type="checkbox"/> Full Enclosure	Total		23.5
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

## Description of Work:

Finish abatement and cleaning process.

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Bill Freudenberg      6/1/2019  
**Site Supervisor (Contractor)**      **Date**

Jon Habersetzer      6/1/2019  
**IEA Field Technician**      **Date**



# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 6/1/2019 <b>Completion Date:</b>
<b>Location:</b> Tunnel G2 & F015		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount
Millboard Pipe Insulation	
Mudded Fittings	

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____			
<input type="checkbox"/> Mini Enclosure			
<input checked="" type="checkbox"/> Full Enclosure	Total		9
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

## Description of Work:

Tear down

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Bill Freudenberg      6/1/2019  
**Site Supervisor (Contractor)**      **Date**

Ryan Rand      6/4/2019  
**IEA Field Technician**      **Date**



Yellow

## Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 6/3/2019 <b>Completion Date:</b>
<b>Location:</b> Tunnels A1 & A2		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	Total Hours (OT)		64 (32.5)
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

### Description of Work:

Begin to set up containment

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Bill Freudenberg      6/3/2019  
 Site Supervisor (Contractor)      Date

Ryan Rand      6/3/2019  
 IEA Field Technician      Date





# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 6/4/19
			<b>Completion Date:</b>
<b>Location:</b> Tunnels A1 & A2		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	Total (OT)		102 (26.75)
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

## Description of Work:

Set up the containment for tunnels A1 & A2

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Bill Freudenberg	6/4/19	Ryan Rand	6/4/19
<b>Site Supervisor (Contractor)</b>	<b>Date</b>	<b>IEA Field Technician</b>	<b>Date</b>



# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 6/5/19
			<b>Completion Date:</b>
<b>Location:</b> Tunnels A1 & A2		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	Total (OT)		66 (27)
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

## Description of Work:

Abatement

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Bill Freudenberg	6/4/19	Ryan Rand	6/4/19
<b>Site Supervisor (Contractor)</b>	<b>Date</b>	<b>IEA Field Technician</b>	<b>Date</b>





# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 6/6/19
			<b>Completion Date:</b>
<b>Location:</b> Tunnels A1 & A2		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	Total (OT)		70.5 (22.5)
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

## Description of Work:

Abatement

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Bill Freudenberg	6/4/19	Ryan Rand	6/4/19
<b>Site Supervisor (Contractor)</b>	<b>Date</b>	<b>IEA Field Technician</b>	<b>Date</b>



# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 6/7/19
		<b>Completion Date:</b>	
<b>Location:</b> Tunnels A1 & A2		<b>On-Site Technician:</b> Jake McDonough	

Material Type	Amount

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	Total (OT)		58
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

## Description of Work:

Abatement

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Bill Freudenberg	6/4/19	Ryan Rand	6/4/19
<b>Site Supervisor (Contractor)</b>	<b>Date</b>	<b>IEA Field Technician</b>	<b>Date</b>



# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 6/10/19
			<b>Completion Date:</b>
<b>Location:</b> Tunnels A1 & A2		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovehag      How Many _____	Total (OT)		57/(25.5)
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

## Description of Work:

Abatement

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Bill Freudenberg	6/4/19	Ryan Rand	6/4/19
Site Supervisor (Contractor)	Date	IEA Field Technician	Date



# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 6/11/19
			<b>Completion Date:</b>
<b>Location:</b> Tunnels A1 & A2		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	Total (OT)		30(1)
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

## Description of Work:

Abatement

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Bill Freudenberg      6/4/19  
 Site Supervisor (Contractor)      Date

Ryan Rand      6/4/19  
 IEA Field Technician      Date





# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 6/12/19
			<b>Completion Date:</b>
<b>Location:</b> Tunnels A1 & A2		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	Total (OT)		46.5(40.5)
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

## Description of Work:

Tear down

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Bill Freudentberg	6/4/19	Ryan Rand	6/13/19
<b>Site Supervisor (Contractor)</b>	<b>Date</b>	<b>IEA Field Technician</b>	<b>Date</b>





# Extra Work Information Sheet

<b>Project Name:</b> Spring/Summer 2019 Asbestos Removal	<b>Project Number:</b> 201910208	<b>Phase Number:</b> Extra	<b>Start Date:</b> 6/13/19
			<b>Completion Date:</b>
<b>Location:</b> Tunnels A1 & A2		<b>On-Site Technician:</b> Ryan Rand	

Material Type	Amount

Removal Method	Worker(s) Name(s)	W/S	Hours
<input type="checkbox"/> Glovebag      How Many _____	Total (OT)		2
<input type="checkbox"/> Mini Enclosure			
<input type="checkbox"/> Full Enclosure			
<input type="checkbox"/> Within Existing Enclosure			
<input type="checkbox"/> Other:			

## Description of Work:

Tear down

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Bill Freudenberg	6/4/19	Ryan Rand	6/13/19
<b>Site Supervisor (Contractor)</b>	<b>Date</b>	<b>IEA Field Technician</b>	<b>Date</b>



## **OLD BUSINESS - FOR ACTION**

**Agenda Item V.H.**

**Board of Education**  
Independent School District 280  
Richfield, Minnesota

**Regular Meeting, August 5, 2019**

### **Subject: RDLS Facilities Project Change Order #5**

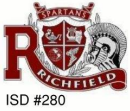
(Recommended by the Superintendent)

That the Board of Education approves RDLS Facilities Project Change Order #5 with L.S. Black Co. for net increase of \$3,743.46 due to a variety of changes identified in the attached documents including mechanical changes, door and hardware changes, changes in tile, improved batteries for emergency lights and exit signage, as well as other minor changes.

### **Background Information**

A value engineering item which provided a cost savings was accepted to eliminate a new water heater and keep an existing water heater that is in good working order in service. A portion of the cost is associated with miscellaneous city requested clarifications regarding the plans and a change in porcelain tile type on the finish schedule. A portion of the costs are associated with door and hardware revisions, mainly changing seven doors from hollow metal type to aluminum. A portion of the cost is associated with upsizing/adding battery packs at the select emergency light fixtures and relocating/adding exit light fixtures per city plan review comments. A credit is included for eliminating the installation of face brick at the dumpster enclosure. A portion of the cost is to provide an additional mechanical equipment concrete housekeeping pad. A credit is included for un-needed sections of helical pile.

Original project cost was \$9,048,000.00. The total cost of the project is now \$8,920,976.77.

**CCO #005**

ICS Consulting, Inc.  
 3890 Pheasant Ridge Drive N.E., Suite 180  
 Blaine, Minnesota 55449  
 Phone: (763) 354-2670  
 Fax: (763) 780-2866

**Project:** S180064 - RDLS - ISD #280, Richfield Dual Language School  
 7001 Elliot Avenue South  
 Richfield, Minnesota 55423

## Contract Change Order #005: L.S. Black CO 005

<b>CONTRACT COMPANY:</b>	<b>L.S. Black Constructors, Inc.</b> 1959 Sloan Place, Suite 140 St. Paul, Minnesota 55117	<b>CONTRACT FOR:</b>	SC-S180064 - RDLS -001:L.S. Black Single Prime Contract
<b>DATE CREATED:</b>	7/15/2019	<b>CREATED BY:</b>	Raeann Wynn (ICS Consulting, Inc. - Blaine, MN)
<b>CONTRACT STATUS:</b>	Pending - Proceeding	<b>REVISION:</b>	0
<b>REQUEST RECEIVED FROM:</b>		<b>LOCATION</b>	
<b>DESIGNATED REVIEWER:</b>		<b>REVIEWED BY:</b>	
<b>DUE DATE:</b>		<b>REVIEW DATE:</b>	
<b>INVOICED DATE:</b>		<b>PAID DATE:</b>	
<b>REFERENCE:</b>		<b>CHANGE REASON:</b>	Client Request   Design Development
<b>PAID IN FULL:</b>	No	<b>EXECUTED:</b>	No
<b>ACCOUNTING METHOD:</b>	Amount Based	<b>SCHEDULE IMPACT:</b>	0 days
<b>FIELD CHANGE:</b>	No	<b>TOTAL AMOUNT:</b>	\$3,743.46

**DESCRIPTION:**

A value engineering item which provided a cost savings was accepted to eliminate a new water heater and keep an existing water heater that is in good working order in service. A portion of the cost is associated with misc. city requested clarifications regarding the plans and a change in porcelain tile type on the finish schedule. A portion of the cost are associated with door and hardware revisions, mainly changing (7) doors from hollow metal type to aluminum. A portion of the cost is associated with upsizing/adding battery packs at the select emergency light fixtures and relocating/adding exit light fixtures per City plan review comments. A credit is included for eliminating the installation of face brick at the dumpster enclosure. A portion of the cost is to provide an additional mechanical equipment concrete housekeeping pad. A credit is included for un-needed sections of helical pile

CE #005 - PR #005 - Omit New Water Heater: (\$14,378.96)  
 PR #005 - Omit New Water Heater

CE #007 - SI #001 - Clarifications & Revisions per Owner & City Request: \$1,186.50  
 SI #001 - Clarifications & Revisions per Owner & City Request

CE #012 - PR #011 - Door and Hardware: \$8,677.15  
 PR #011 - Door and Hardware

CE #015 - PR #015 - Emergency Battery Upsize: \$7,517.11  
 PR #015 - Emergency Battery Upsize

CE #016 - PR #016 - Plan Review Comments: \$1,320.03  
 PR #016 - Plan Review Comments

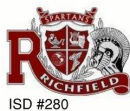
CE #017 - PR #017 - Enclosure Dimension Revisions: (\$1,033.00)  
 PR #017 - Enclosure Dimension Revision

CE #018 - RFCO - AHU Housekeeping Pad (RFI #015): \$1,054.63  
 AHU Housekeeping Pad (RFI #015)

CE #019 - RFCO - Credit for Un-needed Pile Extensions: (\$600.00)  
 RFCO - Credit for Un-needed Pile Extensions

CE #021 - SI #004 - Area B TR Dimension Clarifications: No cost impact  
 SI #004 - Area B TR Dimension Clarifications

CE #023 - SI #006 - Electrical Changes Existing Struct Area B: no cost impact

**CCO #005**

SI #006 - Electrical Changes Existing Struct Area B

**ATTACHMENTS:**

[CE 018 - RFCO - AHU Housekeeping Pad \(RFI #015\).pdf](#)
[CE 017 - PR 017 - Enclosure Dimension Revisions.pdf](#)
[CE 012 - PR 011 Doors and Hardware.pdf](#)
[CE 007 - SI 001 - Clarifications & Revisions per Owner & City Request.pdf](#)
[CE 005 - PR 005 - Omit New Water Heater.pdf](#)
[CE 015 - PR 015 - Emergency Battery Upsize \(4\).pdf](#)
[CE 019 - RFCO - Helical Piles deduct.pdf](#)
[CE 016 - PR 016 - Plan Review Comments \(3\).pdf](#)

**CHANGE ORDER LINE ITEMS:**

The original (Contract Sum)	\$ 9,048,000.00
Net change by previously authorized Change Orders	(\$130,766.69)
The contract sum prior to this Change Order was	\$ 8,917,233.31
The contract sum would be changed by this Change Order in the amount of	\$ 3,743.46
The new contract sum including this Change Order will be	\$ 8,920,976.77
The contract time will not be changed by this Change Order by 0 days	

**L.S. Black Constructors, Inc.**  
 1959 Sloan Place, Suite 140  
 St. Paul Minnesota 55117

**Wold Architects & Engineers**  
 332 Minnesota Street STE W2000  
 Saint Paul Minnesota 55101

**Independent School District #280**  
 7001 Harriet Avenue S.  
 Richfield Minnesota 55423

A handwritten signature in black ink, appearing to read "William Zebro".

7/15/2019

SIGNATURE

DATE

A handwritten signature in black ink, appearing to be a stylized "W" followed by "A &amp; E".

7/23/2019

SIGNATURE

DATE

SIGNATURE

DATE



## Change Order Request

LS Black Constructors, Inc.

Project: 19-6014. / Richfield Dual Language School

To: Taylor Rugroden  
ICS

To: William Zebro  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117

Phone:

Phone:

Fax:

Fax:

Email:

Email: wzebro@lsblack.com

Change Order Request # :	16	CE #018 AHU Housekeeping Pad	Date: 7/2/2019
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Below is the detail for our proposal to complete the following changes in contract work:

- Pending Change Order: PCO - 16 CE #018 AHU Housekeeping Pad
- The prices below are for 30 days and subject to revision if not accepted within 30 days.
- The number of additional days added to total contract duration for completing this work is 2.

Item	Description	
16	CE #018 AHU Housekeeping Pad	1,054.63
Total For Change Order		1,054.63

Approved By: Taylor Rugroden  
ICS

Submitted By: William Zebro  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_





## Change Order Request

LS Black Constructors, Inc.

Project: 19-6014. / Richfield Dual Language School

To: Taylor Rugroden  
ICS

To: William Zebro  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117

Phone:

Phone:

Fax:

Fax:

Email:

Email: wzebro@lsblack.com

Change Order Request # : 16 CE #018 AHU Housekeeping Pad

Date: 7/2/2019

Below is the detail for our proposal to complete the following changes in contract work:

- Pending Change Order: PCO - 16 CE #018 AHU Housekeeping Pad
- The prices below are for 30 days and subject to revision if not accepted within 30 days.
- The number of additional days added to total contract duration for completing this work is 2.

Item : 16 CE #018 AHU Housekeeping Pad

Phase	Description	Cost Type	Hours	Rate	Estimated Cost
80-0019-01	Change Orders CE #18 CIP labor AHU Pad	1 L	0.00	0.00	765.00
80-0019-02	Change Orders CE #18 CIP Material AHU Pad	2 M			193.75
<b>Subtotal Item</b>			<b>16</b>		<b>958.75</b>

Cost Type Recap:		Mark up	Amount
1 Labor		10.00%	841.50
2 Materials		10.00%	213.13
<b>Subtotal Item</b>			<b>1,054.63</b>
<b>Bond Premium</b>		0.00%	0.00
<b>Insurance</b>		0.00%	0.00
<b>Requested Total For Item</b>			<b>16</b>
			<b>1,054.63</b>
<b>Total For Change Order</b>			<b>1,054.63</b>

Approved By: Taylor Rugroden  
ICS

Submitted By: William Zebro  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_



LSBLACK.COM

P: 651.774. 8445

F: 651.774.9695

1959 SLOAN PLACE

SUITE 220

ST. PAUL, MN 55117

### CIP Housekeeping Pad

1. Labor	9 man hours @ \$85/hr	\$765.00
2. Material	1 cuyd concrete @ \$181.00/cuyd	\$181.00
3. Material	17 lbs rebar @ .75/lb	\$12.75
Total		\$958.75







## Change Order Request

LS Black Constructors, Inc.

Project: 19-6014. / Richfield Dual Language School

To: Taylor Rugroden  
ICS

To: William Zebro  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117

Phone:

Phone:

Fax:

Fax:

Email:

Email: wzebro@lsblack.com

Change Order Request # :	17	PR # 17 remove brick from dumpster enclosure	Date: 7/10/2019
--------------------------	----	--	-----------------

Below is the detail for our proposal to complete the following changes in contract work:

- Pending Change Order: PCO - 17 PR # 17 remove brick from dumpster enclosure
- The prices below are for 30 days and subject to revision if not accepted within 30 days.
- The number of additional days added to total contract duration for completing this work is 0.

Item	Description	
17	PR # 17 remove brick from dumpster enclosure	-1,033.00
Total For Change Order		-1,033.00

Approved By: Taylor Rugroden  
ICS

Submitted By: William Zebro  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_



## Change Order Request

LS Black Constructors, Inc.

Project: 19-6014. / Richfield Dual Language School

To: Taylor Rugroden  
ICS

To: William Zebro  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117

Phone:

Phone:

Fax:

Fax:

Email:

Email: wzebro@lsblack.com

Change Order Request # :	17	PR # 17 remove brick from dumpster enclosure	Date: 7/10/2019
--------------------------	----	--	-----------------

Below is the detail for our proposal to complete the following changes in contract work:

- Pending Change Order: PCO - 17 PR # 17 remove brick from dumpster enclosure
- The prices below are for 30 days and subject to revision if not accepted within 30 days.
- The number of additional days added to total contract duration for completing this work is 0.

Item :	17	PR # 17 remove brick from dumpster enclosure
--------	----	--

Phase	Description	Cost Type	Hours	Rate	Estimated Cost
80-0020-01	Change Orders #17 remove brick Paramount	3 S			-1,450.00
80-0020-02	Change Orders #17 remove brick Hamernick	3 S			417.00
		<b>Subtotal Item</b>	<b>17</b>		<b>-1,033.00</b>

Cost Type Recap:  
3 Subcontractor

Mark up	Amount
0.00%	-1,033.00

<b>Subtotal Item</b>	<b>-1,033.00</b>
----------------------	------------------

<b>Bond Premium</b>	0.00%	<b>0.00</b>
<b>Insurance</b>	0.00%	<b>0.00</b>

<b>Requested Total For Item</b>	<b>17</b>	<b>-1,033.00</b>
---------------------------------	-----------	------------------

<b>Total For Change Order</b>	<b>-1,033.00</b>
-------------------------------	------------------

Approved By: Taylor Rugroden  
ICS

Submitted By: William Zebro  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_



## William Zebro

---

**From:** paramountmasonry@ymail.com  
**Sent:** Wednesday, July 3, 2019 1:57 PM  
**To:** William Zebro  
**Subject:** Re: Brick labor

Bill,

The deduct for eliminating the 700 brick at the wing walls is detailed below:

Bricklayer - 10 hours @ \$88/hr - \$880  
Laborer - 5 hours @ \$79/hr - \$395  
Mortar - \$100  
Wash - 105 s.f. @ \$1.00/s.f. \$105

-----  
Total \$1450

This does not include the price of the brick as they were already ordered and blended.

Dave  
Paramount Masonry Inc.  
952-894-8652

On Tuesday, July 2, 2019, 9:16:13 AM CDT, William Zebro <wzebro@lsblack.com> wrote:

Dave,

Can I get the deduct for brick labor at the dumpster enclosure?

Thanks

Bill



**BILL ZEBRO**  
PROJECT MANAGER

C: 320.428.5020



BUILT FOR THE CHALLENGE

## HAMERNICK CONTRACTING DIVISION

Commercial & Residential Painting / Wallcovering / Resilient Flooring / Carpet

June 26, 2019

Mr. Bill Zebro  
LS Black Constructors  
1959 Sloan Place  
St. Paul, MN 55117

Re: **Richfield Dual Language School**  
**Richfield, MN**  
**Proposal Request No. 17**

Dear Bill:

We have reviewed PR No. 17 dated May 29, 2019 for additional painting at the above referenced project. Hamernick Decorating has determined an additional cost to our contract in the amount of \$417.00

The following breakdown will summarize the cost:

- 1) Prime and paint new CMU wall at existing dumpsters location. 4 hours

Labor: 4 hours @ \$88.00 per hour = \$352.00

Materials: Paints and sundries = \$65.00

Total Cost: \$417.00

Please let us know if we should incorporate this PR into our contract. Thank you.

Sincerely,  
Hamernick Decorating



Robert Leach  
Estimator/Project Manager



## Change Order Request

LS Black Constructors, Inc.

Project: 19-6014. / Richfield Dual Language School

To: Taylor Rugroden  
ICS

Phone:

Fax:

Email:

To: William Zebro  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117

Phone:

Fax:

Email: wzebro@lsblack.com

Change Order Request # : 14 PR # 11 Doors and Hardware

Date: 6/25/2019

Below is the detail for our proposal to complete the following changes in contract work:

- Pending Change Order: PCO - 14 PR # 11 Doors and Hardware
- The prices below are for 30 days and subject to revision if not accepted within 30 days.
- The number of additional days added to total contract duration for completing this work is 0.

Item	Description	
14	PR # 11 Doors and Hardware	8,677.15
Total For Change Order		8,677.15

Approved By: Taylor Rugroden  
ICS

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Submitted By: William Zebro  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_

Date: \_\_\_\_\_



## Change Order Request

LS Black Constructors, Inc.

Project: 19-6014. / Richfield Dual Language School

To: Taylor Rugroden  
ICS

To: William Zebro  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117

Phone:

Phone:

Fax:

Fax:

Email:

Email: wzebro@lsblack.com

Change Order Request # : 14 PR # 11 Doors and Hardware

Date: 6/25/2019

Below is the detail for our proposal to complete the following changes in contract work:

- Pending Change Order: PCO - 14 PR # 11 Doors and Hardware
- The prices below are for 30 days and subject to revision if not accepted within 30 days.
- The number of additional days added to total contract duration for completing this work is 0.

Item : 14 PR # 11 Doors and Hardware

Phase	Description	Cost Type	Hours	Rate	Estimated Cost
80-0017-03	Change Orders PR #11 Doors & Hardware Self Perform	1 L	0.00	0.00	-1,190.00
80-0017-01	Change Orders PR #11 Doors & Hardware Kendell	2 M			-1,865.00
80-0017-02	Change Orders PR #11 Doors & Hardware S&J Glass	3 S			11,173.48
		<b>Subtotal Item</b>	<b>14</b>		<b>8,118.48</b>

**Cost Type Recap:**

1 Labor

2 Materials

3 Subcontractor

**Mark up**

0.00%

0.00%

5.00%

**Amount**

-1,190.00

-1,865.00

11,732.15

**Subtotal Item**

**8,677.15**

**Bond Premium**

0.00%

0.00

**Insurance**

0.00%

0.00

**Requested Total For Item 14**

**8,677.15**

**Total For Change Order**

**8,677.15**

Approved By: Taylor Rugroden  
ICS

Submitted By: William Zebro  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_



Kendell Doors & Hardware, Inc.  
1312 Northland Drive, Suite 100  
Mendota Heights, MN 55120  
Phone: 651-905-0144


PROPOSAL

Page:	1
Proposal No.:	39086
Proposal Change No.:	01
Customer P.O. No.	RICHFIELD DUAL LANG
Proposal Date:	6/4/2019
Customer ID:	LSB
Salesperson:	Scott Mamer
Project Mgr Phone:	651-529-8608
Project Mgr Email:	smamer@kendelldrs.com

Submitted To: LS BLACK CONSTRUCTION  
1959 SLOAN PLACE  
STE 220  
Saint Paul, MN 55117

Job Name: Richfield Dual Language Elem.

Description	Quantity	Unit Price	Total Price
Pricing per PR#11	1	-1,734.48	-1,734.48
Freight	1	0.00	0.00

Respectfully Submitted:   
Scott Mamer

Accepted By: \_\_\_\_\_ Date: \_\_\_\_\_

Subtotal:	-1,734.48
Sales Tax:	-130.52
Total:	-1,865.00



## **RICHFIELD DAUL LANGUAGE**

**S&J GLASS INC.**  
**PM: JERRY DOMINO**

Date : **11/6/18**

Project Manager: WILLIAM ZEBRO

PCO #:  
Wold PR/SI # **11**

### ***COST SUMMARY***

Description	Cost	Notes/Attachments
Labor Total	\$ 3,633.00	(Auto Fill from Sub-Total Below)
Materials and Equipment Total	\$ 6,040.00	(Auto Fill from Sub-Total Below)
Tax on Materials and Equipment Only	\$ 484.71	<<< Provide Sales/Use Tax Total
<b>Self Performed Subtotal</b>	<b>\$ 10,157.71</b>	
10% Overhead and Profit	\$ 1,015.77	(10% is the max fee allowed on CO's)
<b>Self Performed Total</b>	<b>\$ 11,173.48</b>	
Subcontractors	\$ -	Auto Fill from Sub-Total Below
5% Overhead and Profit on Subs	\$ -	(5% is the max allowed on subcontractors)
<b>Subcontractor Total</b>	<b>\$ -</b>	
<b>TOTAL COST OF CHANGE</b>	<b>\$ 11,173.48</b>	

Signature: \_\_\_\_\_

*Contractor acknowledges no other Costs associated with this PCO.*

### ***PROVIDE DETAIL BREAKDOWN BELOW:***

Labor By Task		Qty	Unit	Unit Cost	Total Cost
LABOR		21	hr	\$ 98.00	\$ 2,058.00
FAB (HARDWARE PREP SHOP)		21		\$ 75.00	\$ 1,575.00
					\$ -
					\$ -
Sub-Total					\$ 3,633.00
Materials and Equipment By Task		Qty	Unit	Unit Cost	Total Cost
7 DOOR LEAF FROM HM TO AL		7	each	872	\$ 6,104.00
Glass .25		32	sf	2	\$ (64.00)
			each		\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
Sub-Total					\$ 6,040.00
Sub-Contractor Proposals		Description of Work			Total Cost
					\$ -
					\$ -
					\$ -
					\$ -
Sub-Total		(Attach Sub-Contractor Proposals)			\$ -



LSBLACK.COM      1959 SLOAN PLACE  
P: 651.774. 8445      SUITE 220  
F: 651.774.9695      ST. PAUL, MN 55117

Installation of 7 doors

1. Labor	14 man hours @ \$85/hr	(\$1190.00)
----------	------------------------	-------------





## Change Order Request

LS Black Constructors, Inc.

Project: 19-6014. / Richfield Dual Language School

To: Taylor Rugroden  
ICS

Phone:

Fax:

Email:

To: William Zebro  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117

Phone:

Fax:

Email: wzebro@lsblack.com

Change Order Request # : 10 SI #001 Clarifications & Revisions

Date: 5/22/2019

Below is the detail for our proposal to complete the following changes in contract work:

- Pending Change Order: PCO - 10 SI #001 Clarifications & Revisions
- The prices below are for 30 days and subject to revision if not accepted within 30 days.
- The number of additional days added to total contract duration for completing this work is 0.

Item	Description	
10	SI #001 Clarifications & Revisions	1,186.50
Total For Change Order		1,186.50

Approved By: Taylor Rugroden  
ICS

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Submitted By: William Zebro  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_

Date: \_\_\_\_\_



## Change Order Request

LS Black Constructors, Inc.

Project: 19-6014. / Richfield Dual Language School

To: Taylor Rugroden  
ICS

To: William Zebro  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117

Phone:

Phone:

Fax:

Fax:

Email:

Email: wzebro@lsblack.com

Change Order Request # : 10 SI #001 Clarifications & Revisions

Date: 5/22/2019

Below is the detail for our proposal to complete the following changes in contract work:

- Pending Change Order: PCO - 10 SI #001 Clarifications & Revisions
- The prices below are for 30 days and subject to revision if not accepted within 30 days.
- The number of additional days added to total contract duration for completing this work is 0.

Item : 10 SI #001 Clarifications & Revisions

Phase	Description	Cost Type	Hours	Rate	Estimated Cost
80-0010-01	Change Order SI #001 Clarifications & Revisions	3 S			1,130.00
	<b>Subtotal Item</b>	<b>10</b>			<b>1,130.00</b>

<b>Cost Type Recap:</b>		<b>Mark up</b>	<b>Amount</b>
3 Subcontractor		5.00%	1,186.50
	<b>Subtotal Item</b>		<b>1,186.50</b>
<b>Bond Premium</b>		0.00%	0.00
<b>Insurance</b>		0.00%	0.00
<b>Requested Total For Item</b>		<b>10</b>	<b>1,186.50</b>
<b>Total For Change Order</b>			<b>1,186.50</b>

Approved By: Taylor Rugroden  
ICS

Submitted By: William Zebro  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_



NATIONWIDE SERVICE SINCE 1923  
CONTRACTORS  
Tile, Terrazzo, Natural Stone, Industrial Floor Coating  
Carpet, Wood, Vinyl  
*An Equal Opportunity Employer*

July 11, 2019

**Ls Black Constructors**  
Suite 220  
1959 SLOAN PLACE  
Saint Paul, MN 55117

**ATTN: Bill Zebro**

**RE: Richfield Dual Language School**  
**7001 Elliot Avenue**  
**Richfield, MN 55423-3354**

ASI 001 - Ptile-1 & Ptile-2 Revision

Dear Bill:

We have reviewed ASI 001 and submit the following to incorporate this change into our scope.

<b>COST EFFECT:</b>	<b>ADD</b>	<b>\$1,130</b>
<b>SCHEDULE EFFECT:</b>		<b>0 MAN DAYS</b>

The above entails pricing for the changes in tile selections for Ptile-1 & Ptile-2. Costs associated with this change are for material upgrade and do not include additional labor costs.

If you have any questions regarding any of the above, please contact the writer of this letter.

Sincerely,

GRAZZINI BROTHERS AND COMPANY

A handwritten signature in black ink, appearing to read "Mark Miranda", is written over a horizontal line.

**Mark Miranda**  
Senior Project Manager

1175 Eagan Industrial Road, Eagan, MN 55121 ■ (651) 452-2700 ■ Fax: (651) 452-2701 ■ [www.grazzini.com](http://www.grazzini.com)



**COMMERCIAL  
CONTRACTOR**





**Grazzini**  
**Brothers & Company**  
 PROJECT: RICHFIELD DUAL LANGUAGE SCHOOL  
 PROPOSAL: ASI 001 - Ptile-1 & Ptile-2 Revision  
 CONTRACTOR: LS BLACK CONSTRUCTORS

JOB NUMBER: 2-19-0114  
 DATE: 6/27/2019

SCHED IMPACT (MAN DAYS) 0 DAYS

### 09 30 TILING

#### 09 30 13.10 Ceramic Tiling

ITEM CODE	DESCRIPTION	CREW	QUANTITY	UNIT	LABOR OUTPUT	MAN HOURS	AVE MH RATE	LABOR TOTAL	MATERIAL UNIT PRICE	MATERIAL TOTAL	TOTAL
	(PTILE-1) Caesar Tile - Built - Dam - 12" x 24"	D7	(1,750.00)	SF					3.99	(6,982.50)	(6,982.50)
	(PTILE-1) Caesar Tile - Built - Dam - 2" x 2"	D7	(1,000.00)	SF					9.25	(9,250.00)	(9,250.00)
	(ASI 1) (PTILE-1) Caesar Tile - Run - Salt - 12" x 24"	D7	1,750.00	SF					3.82	6,685.00	6,685.00
	(ASI 1) (PTILE-1) Caesar Tile - Run - Salt - 2" x 2"	D7	1,000.00	SF					10.50	10,500.00	10,500.00
Material Waste Factor: 0.00%											
TOTALS										952.50	952.50

### Equipment and Equipment Operating Costs

ITEM CODE	DESCRIPTION	CREW	% of Total MH	QUANTITY	UNIT	AVE MH RATE	LABOR TOTAL	RENTAL COST	RENTAL TOTAL	HOURLY OP COST	TOTAL OP COST	TOTAL
	Tile Saw		10.00%	-	HRS	-	-	-	-	-	-	-
SUBTOTAL										-	-	-

### Miscellaneous Items

ITEM CODE	DESCRIPTION	CREW	QUANTITY	UNIT	MATERIAL UNIT PRICE/RATE	MATERIAL TOTAL	TOTAL
	Setting Materials	D7	-	SF	0.50	-	-
SUBTOTAL							-

### Supervisory Requirements

#### Project Management / Coordination

ITEM CODE	DESCRIPTION	CREW	% of Total MH	QUANTITY	UNIT	AVE MH RATE	LABOR TOTAL	TOTAL
7000280	Foreman	D7	5.00%	-	HRS	0.00	-	-
SUBTOTAL								952.50

ITEM CODE	DESCRIPTION	PERCENTAGE (%)	TOTAL
6200010	Sales Tax	7.525%	71.68
	Overhead	5.00%	51.21
6200010	Profit	5.00%	53.77
TOTAL			1,129.15



## Change Order Request

LS Black Constructors, Inc.

Project: 19-6014. / Richfield Dual Language School

To: Taylor Rugroden  
ICS

Phone:

Fax:

Email:

To: William Zebro  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117

Phone:

Fax:

Email: wzebro@lsblack.com

Change Order Request # :	13	PR # 5 - Omit New Water Heater	Date: 6/18/2019
--------------------------	----	--------------------------------	-----------------

Below is the detail for our proposal to complete the following changes in contract work:

- Pending Change Order: PCO - 13 PR # 5 - Omit New Water Heater
- The prices below are for 30 days and subject to revision if not accepted within 30 days.
- The number of additional days added to total contract duration for completing this work is 0.

Item	Description	
13	PR # 5 - Omit New Water Heater	-14,378.96
Total For Change Order		-14,378.96

Approved By: Taylor Rugroden  
ICS

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Submitted By: William Zebro  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_

Date: \_\_\_\_\_



## Change Order Request

LS Black Constructors, Inc.

Project: 19-6014. / Richfield Dual Language School

To: Taylor Rugroden  
ICS

To: William Zebro  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117

Phone:

Phone:

Fax:

Fax:

Email:

Email: wzebro@lsblack.com

Change Order Request # :	13	PR # 5 - Omit New Water Heater	Date: 6/18/2019
--------------------------	----	--------------------------------	-----------------

Below is the detail for our proposal to complete the following changes in contract work:

- Pending Change Order: PCO - 13 PR # 5 - Omit New Water Heater
- The prices below are for 30 days and subject to revision if not accepted within 30 days.
- The number of additional days added to total contract duration for completing this work is 0.

Item :	13	PR # 5 - Omit New Water Heater
--------	----	--------------------------------

Phase	Description	Cost Type	Hours	Rate	Estimated Cost
80-0005-23	Change Orders Pr # 5 omit new water heater CIP labor	1 L	0.00	0.00	-680.00
80-0005-25	Change Orders PR # 5 omit new water heater roof labor	1 L	0.00	0.00	-200.00
80-0005-24	Change Orders PR # 5 omit new water heater CIP material	2 M			-271.50
80-0005-26	Change Orders PR # 5 omit new water heater roof material	2 M			-150.00
80-0005-21	Change Orders PR # 5 omit new water heater HVAC	3 S			-12,797.00
80-0005-22	Change Orders PR # 5 omit new water heater Elec	3 S			-280.46
<b>Subtotal Item</b>			<b>13</b>		<b>-14,378.96</b>

**Cost Type Recap:**

1 Labor

**Mark up**

0.00%

**Amount**

-880.00

2 Materials

0.00%

-421.50

3 Subcontractor

0.00%

-13,077.46

**Subtotal Item**

**-14,378.96**

**Bond Premium**

0.00%

0.00

**Insurance**

0.00%

0.00

**Requested Total For Item 13**

**-14,378.96**

**Total For Change Order**

**-14,378.96**

Approved By: Taylor Rugroden  
ICS

Submitted By: William Zebro  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_



**WEIDNER'S Plumbing and Heating**  
29 Wilson Ave NE, St Cloud MN 56304

**TO:** LS BLACK  
**ATTN:** WILLIAM ZEBRO  
**PROJECT:** RICHFIELD DUAL LANGUAGE  
**DATE:** April 10, 2019  
**CO# :** PR 5

**CONTACT NAME:** DAN & ADAM GOEBEL

### COST SUMMARY

Description	Cost
Labor Total	\$ (1,999.80)
<b>Labor Total</b>	<b>\$ (1,999.80)</b>
Materials & Equipment Total	\$ (10,055.32)
Tax on Materials & Equipment Only	\$ (742.08)
SubTotal	\$ (10,797.40)
<b>Material &amp; Equipment Total</b>	<b>\$ (10,797.40)</b>
Subcontractors	\$ -
5% Overhead & Profit on Subs	\$ -
<b>Subcontractor Total</b>	<b>\$ -</b>
<b>TOTAL COST OF CHANGE</b>	<b>\$ (12,797.00)</b>

Labor By Task	Hours	Hourly Cost	Total Cost
			\$ -
LABOR - REMAIN, not having to demo existing	-4	\$ 90.90	\$ (363.60)
LABOR - STAYS, labor to not bring in new	-8	\$ 90.90	\$ (727.20)
LABOR - VENT WATER HEATER	-6	\$ 90.90	\$ (545.40)
BELOW GRADE PIPING LABOR	-4	\$ 90.90	\$ (363.60)
			\$ -
<b>Sub-Total</b>			<b>\$ (1,999.80)</b>
Materials and Equipment By Task			Total Cost
			\$ -
DOMESTIC WATER HEATER			\$ (9,900.00)
1 - 3" FLOOR DRAIN			\$ (86.52)
30' - PVC PIPE & FITTINGS			\$ (68.80)
			\$ -
			\$ -
<b>Sub-Total</b>			<b>\$ (10,055.32)</b>
Sub-Contractor			Total Cost
			\$ -
			\$ -
			\$ -
			\$ -
<b>Sub-Total</b>			<b>\$ -</b>



April 1, 2019

Richfield Dual Language School  
7001 Elliot Ave  
Richfield, MN 55423

RE: PR#5 Omit Water Heater

Attn Bill:

Phasor Electric has reviewed PR#5 for the Richfield Dual Language School. There savings are as follows:

**PR#2**

Item 5.6-5.7 Omit Water Heater

Deduct (\$280.46)

The total cost savings:

Two Hundred Eighty and 46/100

(\$280.46)

If you have any questions, please call.

Sincerely,  
PHASOR ELECTRIC COMPANY

*Mike Herman*

Mike Herman  
Project Manager  
MRH

Phasor Electric  
2160 108th Lane NE  
Blaine, MN 55449

RFQ #5 PR: #005

LS Black  
1959 Sloan Place, Suite 220  
Saint Paul, MN 55117

04/01/19

#### Material Cost

LN	DB#	Material Description	Quantity	Cost
1	F	Manual Motor Starter	-1.00	(\$35.00)
2	I 1844	EM-3/4 EMT-CONDUIT	-15.00	(\$6.72)
3	I 1982	EM-3/4 SET SCREW COUP	-3.00	(\$1.02)
4	I 2002	EM-3/4 SET SCREW CONN	-2.00	(\$0.56)
5	I 8188	WC-THHN-STRA #12	-30.00	(\$4.21)
6	I 5540	OT-4SQ 2 1/8D COM KO	-1.00	(\$1.12)
7	I 5618	OT-4SQ COVER BLANK 1/2KO	-1.00	(\$0.48)
8	I 3848	HA-3/4 ONE HOLE STRAP	-1.00	(\$0.44)
9	A 765	MTR-1.0 HP 208V. FLEX	-1.00	(\$14.81)
Material				(\$64.36)
Material Tax				(\$4.84)
Material Total				(\$69.20)

#### Labor Cost

Labor Cost	(\$211.26)
Labor Total	(\$211.26)
Total Invoice	(\$280.46)



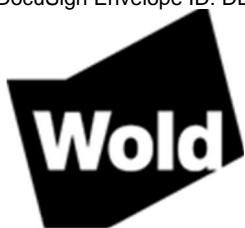


LSBLACK.COM      1959 SLOAN PLACE  
P: 651.774. 8445      SUITE 220  
F: 651.774.9695      ST. PAUL, MN 55117

CIP Breakdown

1. Labor	8 man hours @ \$85/hr	(\$680.00)
2. Material	1.5 cuyd concrete @ \$181.00/cuyd	(\$271.50)
Total		(\$951.50)





# PROPOSAL REQUEST

ISD #280 – Richfield Public Schools	Richfield Dual Language School
LS Black Constructors	Attn: Bill Zebro
1959 Sloan Place, Suite 220	
Saint Paul, Minnesota 55117	
651-774-8445	651-774-9695
wzebro@lsblack.com	

Submit an itemized (labor and material) quotation for the proposed modifications to the contract documents as described herein within 21 days of receipt. If a cost is not submitted within 21 days, this Proposal Request can be accepted at no additional cost. Written approval is required prior to proceeding with this change.  COST EXPECTATIONS: <input checked="" type="checkbox"/> DEDUCT <input type="checkbox"/> NO COST <input type="checkbox"/> ADD	PR: #005
	Comm: #182021
	Const. Pkg: #

## Distribution:

- ☒ Dan Kretsinger, 280
- ☐ Rick Regnier, Richfield
- ☒ Andy Faulker, ICS
- ☒ Taylor Rugroden, ICS
- ☒ Dave Phillips, ICS
- ☐ Chris Ghormley, AJA
- ☐ Matt Ricker, BKBM
- ☐ Alex Smith, BKBM
- ☐ John Dunne, Rippe
- ☒ Abdual Ganamo, Wold
- ☐ N. M.-Alquicira, Wold
- ☒ Ryan Charlton, Wold
- ☒ Joe Matlock, Wold
- ☒ Jim Gausman, Wold
- ☒ Michael Klass, Wold
- ☒ John Kretchmer, Wold

Item	VE Items
5	Existing Water Heaters To Remain
5.1	A2.00 Lower Level Floor Plan
	- See changes on updated drawings to modify Mechanical Pad
5.2	A2.095 Roof Plan
	- See changes on updated drawings to modify roof stacks.
5.3	M1.650 Omit demolition of existing water heaters
	- See changes on updated drawings to keep existing water heaters.
5.4	M4.01a, M6.100 HVAC Plan
	- See changes on updated sheets to omit new water heater exhaust and intake. Add boiler intake through roof.
5.5	M6.101, M6.102, M6.103 Lower level mechanical plans
	- See changes on updated sheets to adjust layout of equipment in lower mechanical room to accommodate use of existing water heaters.
	M8.100, M8.101, M8.102, M8.200 Details and Schedules
	- See changes on updated sheets for revisions to details and schedule to accommodate use of existing water heaters.
5.6	E3.01ac Lower Level Power and System Plan – Area 'A' & 'C'
	- See changes on updated drawings to remove WH-1
5.7	E6.02 Motor Schedule
	- See changes on updated drawings to remove WH-1 from motor schedule

Attachments: A2.00, A2.095, M1.650, M4.01a, M6.100, M6.101, M6.102, M6.103,  
M8.100, M8.101, M8.102, M8.200, E3.01ac, E6.02

Issued By: Jim Gausman/Hue Chee Vang Date: 03/15/19

**Wold Architects and Engineers**  
 332 Minnesota Street, Suite W2000  
 Saint Paul, MN 55101  
 woldae.com | 651 227 7773

**PLANNERS  
 ARCHITECTS  
 ENGINEERS**



## Change Order Request

LS Black Constructors, Inc.

Project: 19-6014. / Richfield Dual Language School

To: Taylor Rugroden  
ICS

To: William Zebro  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117

Phone:

Phone:

Fax:

Fax:

Email:

Email: wzebro@lsblack.com

Change Order Request # : 12 PR #15 Emergency Battery Upsize

Date: 6/4/2019

Below is the detail for our proposal to complete the following changes in contract work:

- Pending Change Order: PCO - 12 PR #15 Emergency Battery Upsize
- The prices below are for 30 days and subject to revision if not accepted within 30 days.
- The number of additional days added to total contract duration for completing this work is 0.

Item	Description	
12	PR #15 Emergency Battery Upsize	7,517.11
Total For Change Order		7,517.11

Approved By: Taylor Rugroden  
ICS

Submitted By: William Zebro  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_



## Change Order Request

LS Black Constructors, Inc.

Project: 19-6014. / Richfield Dual Language School

To: Taylor Rugroden  
ICS

To: William Zebro  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117

Phone:

Phone:

Fax:

Fax:

Email:

Email: wzebro@lsblack.com

Change Order Request # : 12 PR #15 Emergency Battery Upsize

Date: 6/4/2019

Below is the detail for our proposal to complete the following changes in contract work:

- Pending Change Order: PCO - 12 PR #15 Emergency Battery Upsize
- The prices below are for 30 days and subject to revision if not accepted within 30 days.
- The number of additional days added to total contract duration for completing this work is 0.

Item : 12 PR #15 Emergency Battery Upsize

Phase	Description	Cost Type	Hours	Rate	Estimated Cost
80-0015-01	Change Orders PR #15 Emergence Battery Upsize	3 S			7,159.15
	<b>Subtotal Item</b>	<b>12</b>			<b>7,159.15</b>

<b>Cost Type Recap:</b>		<b>Mark up</b>	<b>Amount</b>
3 Subcontractor		5.00%	7,517.11
<b>Subtotal Item</b>			<b>7,517.11</b>
<b>Bond Premium</b>		0.00%	<b>0.00</b>
<b>Insurance</b>		0.00%	<b>0.00</b>
<b>Requested Total For Item</b>		<b>12</b>	<b>7,517.11</b>
<b>Total For Change Order</b>			<b>7,517.11</b>

Approved By: Taylor Rugroden  
ICS

Submitted By: William Zebro  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_



# PROPOSAL REQUEST

ISD #280 – Richfield Public Schools	Richfield Dual Language School
LS Black Constructors	Attn: Bill Zebro
1959 Sloan Place, Suite 220	
Saint Paul, Minnesota 55117	
651-774-8445	651-774-9695
wzebro@lsblack.com	

Submit an itemized (labor and material) quotation for the proposed modifications to the contract documents as described herein within 21 days of receipt. If a cost is not submitted within 21 days, this Proposal Request can be accepted at no additional cost. Written approval is required prior to proceeding with this change.  COST EXPECTATIONS: <input type="checkbox"/> DEDUCT <input type="checkbox"/> NO COST <input checked="" type="checkbox"/> ADD	PR: #015
	Comm: #182021
	Const. Pkg: #

## Distribution:

- ☒ Dan Kretsinger, 280
- ☐ Rick Regnier, Richfield
- ☒ Andy Faulker, ICS
- ☒ Taylor Rugroden, ICS
- ☒ Dave Phillips, ICS
- ☐ Chris Ghormley, AJA
- ☐ Matt Ricker, BKBM
- ☐ Alex Smith, BKBM
- ☐ John Dunne, Rippe
- ☒ Abdual Ganamo, Wold
- ☒ N. M.-Alquicira, Wold
- ☐ Ryan Charlton, Wold
- ☐ Joe Matlock, Wold
- ☐ Jim Gausman, Wold
- ☒ Michael Klass, Wold
- ☒ John Kretchmer, Wold

Item	VE Items
15.1	<b>E0.200 – ELECTRICAL SITE PLAN – NEW</b>
	- See changes on updated drawings to keyed note 7
15.2	<b>E2.02a – MAIN LEVEL LIGHTING PLAN – AREA ‘A’</b>
	- See changes on updated drawings to change EM to EM2
15.3	<b>E2.02b – MAIN LEVEL LIGHTING PLAN – AREA ‘B’</b>
	- See changes on updated drawings to change EM to EM2
15.4	<b>E2.02c – MAIN LEVEL LIGHTING PLAN – AREA ‘C’</b>
	- See changes on updated drawings to change EM to EM2 and modification of D1 to BB
15.5	<b>E6.01 – LUMINAIRE SCHEDULE</b>
	See changes on updated drawings to add EM2 to lighting schedule

Attachments: E0.200, E2.02a, E2.02b, E2.02c, E6.01

Issued By: Noe Martinez Alquicira

Date: 05/20/2019

**Wold Architects and Engineers**  
 332 Minnesota Street, Suite W2000  
 Saint Paul, MN 55101  
 woldae.com | 651 227 7773

**PLANNERS**  
**ARCHITECTS**  
**ENGINEERS**





May 30, 2019

Richfield Dual Language School  
7001 Elliot Ave  
Richfield, MN 55423

RE: PR#15

Attn Bill:

Phasor Electric has reviewed PR#15 for the Richfield Dual Language School. The costs are as follows:

**PR#15**

Item 15.1-15.5

Add \$7,159.15

The total cost:

Seven Thousand One Hundred Fifty Nine and 15/100

\$7,159.15

If you have any questions, please call.

Sincerely,  
PHASOR ELECTRIC COMPANY

*Mike Herman*

Mike Herman  
Project Manager  
MRH

PR#15

Phasor Electric  
2160 108th Ln NE,  
Blaine, MN 55449

LS Black  
1959 Sloan Pl #220,  
St. Paul, MN 55117

06/05/19

## Material Cost

LN	DB#	Material Description	Quantity	Cost
4	F	Supervision/Coordination	1.00	\$0.00
6	C	Exterior Light Change	0.00	\$0.00
7	F	Demo Existing Wire	275.00	\$0.00
8	I 8190	WC-THHN-STRA #10	1375.00	\$297.95
9	F	Handhole	1.00	\$250.00
11	C	Lighting Change	0.00	\$0.00
12	F	Adding 2 Type BB	2.00	\$1,100.00
13	F	Adding 3 Type EM2	3.00	\$1,725.00
14	I 9000	COR-DRILLING CONC.- .75	2.00	\$0.00
15	I 348	AN-PLASTIC ANCHOR KIT	2.00	\$55.42
16	I 8188	WC-THHN-STRA #12	135.00	\$18.93
17	I 1842	EM-1/2 EMT-CONDUIT	50.00	\$13.77
18	I 1980	EM-1/2 SET SCREW COUP	5.00	\$1.10
19	I 2000	EM-1/2 SET SCREW CONN	4.00	\$0.84
20	I 5540	OT-4SQ 2 1/8D COM KO	2.00	\$2.24
21	I 5618	OT-4SQ COVER BLANK 1/2KO	2.00	\$0.96
Material				\$3,466.21
Material Tax				\$260.83
Material Total				\$3,727.04

## Labor Cost

Labor Description	Cost
Journeyman 30.23 hours @ \$92.00 =	\$2,781.28
Labor Cost	\$2,781.28
Labor Total	\$2,781.28
Job Expense	\$0.00
Labor + Material Total	\$6,508.32

## Overhead/Profit/Misc Expense/Quote Items Cost

Overhead	( 0.00%)	\$0.00
Profit	( 10.00%)	\$650.83
Total Invoice		\$7,159.15



## Change Order Request

LS Black Constructors, Inc.

Project: 19-6014. / Richfield Dual Language School

To: Taylor Rugroden  
ICS

To: William Zebro  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117

Phone:

Phone:

Fax:

Fax:

Email:

Email: wzebro@lsblack.com

Change Order Request # : 15 PR # 13 deduct

Date: 6/25/2019

Below is the detail for our proposal to complete the following changes in contract work:

- Pending Change Order: PCO - 15 PR # 13 deduct
- The prices below are for 30 days and subject to revision if not accepted within 30 days.
- The number of additional days added to total contract duration for completing this work is 0.

Item	Description	
15	PR # 13 deduct	-600.00
Total For Change Order		-600.00

Approved By: Taylor Rugroden  
ICS

Submitted By: William Zebro  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_



## Change Order Request

LS Black Constructors, Inc.

Project: 19-6014. / Richfield Dual Language School

To: Taylor Rugroden  
ICS

To: William Zebro  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117

Phone:

Phone:

Fax:

Fax:

Email:

Email: wzebro@lsblack.com

Change Order Request # : 15 PR # 13 deduct

Date: 6/25/2019

Below is the detail for our proposal to complete the following changes in contract work:

- Pending Change Order: PCO - 15 PR # 13 deduct
- The prices below are for 30 days and subject to revision if not accepted within 30 days.
- The number of additional days added to total contract duration for completing this work is 0.

Item : 15 PR # 13 deduct

*PR # 13 Helical Piles estimated (4) at 25' deep. Actual depth was 15'. Deduct of \$15/foot 40 feet total.*

Phase	Description	Cost Type	Hours	Rate	Estimated Cost
80-0018-01	Change Orders PR # 13 Deduct	5 O			-600.00
		<b>Subtotal Item</b>	<b>15</b>		<b>-600.00</b>
<hr/>					
	<b>Cost Type Recap:</b>		<b>Mark up</b>		<b>Amount</b>
	5 Other		0.00%		-600.00
		<b>Subtotal Item</b>			<b>-600.00</b>
	<b>Bond Premium</b>		0.00%		<b>0.00</b>
	<b>Insurance</b>		0.00%		<b>0.00</b>
		<b>Requested Total For Item</b>	<b>15</b>		<b>-600.00</b>
	<b>Total For Change Order</b>				<b>-600.00</b>

Approved By: Taylor Rugroden  
ICS

Submitted By: William Zebro  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

April 29, 2019

L.S. Black Constructors  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117



**Attn:** Bill Zebro (218.428.5020, email:wzebro@lsblack.com)

**Re:** Richfield Dual Language School – 2018 Additions  
CHANCE® Helical Pier Foundations

We offer our proposal to furnish and install CHANCE® Helical Pier Foundations. We are a certified installation contractor for this product. Additional information can be found at our distributor website, [www.structuralanchorsupply.com](http://www.structuralanchorsupply.com).

**Provided Information:**

- Structural plan S0.00, S2.01, S4.11 by BKBM for PR13, 4/26/2019.
- Geotechnical Report by Braun, 11/30/2018.

**Proposal:** We propose installing CHANCE® SS5 (1.5-inch Square Shaft) Helical Pier Foundations. A ½"x6"x6" steel bearing plate will be provided to be installed. We *assume* the helical pier foundations will require an average installation length of 25-feet in order to achieve capacity.

One mobilization, labor, and helical pier material costs are included. Specific items *not included* are layout; hand excavation/hydro-vac work, or time for any training (if required). We assume a LS Black representative will assist in layout and confirm final pier locations prior to installation.

**Pricing:**

Location	Qty	Unit Price	Total
Grid A14	4	\$1,460	\$5,840

**Clarification:** The prices for the helical piers are for the lengths indicated. The actual installed length could vary depending upon soil conditions. They are advanced until the proper torque is obtained for the capacity required. Additions / (reductions) from the assumed length will be at a cost of \$20/(\$15) per foot, in full extension lengths.

This proposal will be incorporated in its entirety into a subcontract agreement. If no subcontract is received, then this proposal will govern as the contract between Atlas Foundation Company & the Company referenced above.

**Exclusions:** Excluded from this price is any cost for *layout*, private utility protection or location, welding, restoration, obstructions, inspection/testing, engineering, permits, or cost of bond. Excessive delays or lost time will be charged at an hourly rate of \$330.00 / hr for equipment and crew. Proper access for our equipment and materials must be provided to our work area.

Should you have any questions, please contact me at your earliest convenience.

Regards,  
Atlas Foundation Co.

Cody Cox  
Project Manager

Digitally signed by Cody Cox  
DN: cn=US,  
E=cody.cox@atlasfoundation.com,  
O=Atlas Foundation Company,  
OU=Operations, CN=Cody Cox  
Reason: I have reviewed this  
document  
Date: 2019.04.29 12:52:38-0500



## Change Order Request

LS Black Constructors, Inc.

Project: 19-6014. / Richfield Dual Language School

To: Taylor Rugroden  
ICS

Phone:

Fax:

Email:

To: William Zebro  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117

Phone:

Fax:

Email: wzebro@lsblack.com

Change Order Request # :	11	PR #16 Plan Review Comments	Date: 6/4/2019
--------------------------	----	-----------------------------	----------------

Below is the detail for our proposal to complete the following changes in contract work:

- Pending Change Order: PCO - 11 PR #16 Plan Review Comments
- The prices below are for 30 days and subject to revision if not accepted within 30 days.
- The number of additional days added to total contract duration for completing this work is 0.

Item	Description	
11	PR #16 Plan Review Comments	1,320.03
Total For Change Order		1,320.03

Approved By: Taylor Rugroden  
ICS

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Submitted By: William Zebro  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_

Date: \_\_\_\_\_





## Change Order Request

LS Black Constructors, Inc.

Project: 19-6014. / Richfield Dual Language School

To: Taylor Rugroden  
ICS

To: William Zebro  
LS Black Constructors, Inc.  
1959 Sloan Place, Suite 220  
St. Paul, MN 55117

Phone:

Phone:

Fax:

Fax:

Email:

Email: wzebro@lsblack.com

Change Order Request # : 11 PR #16 Plan Review Comments

Date: 6/4/2019

Below is the detail for our proposal to complete the following changes in contract work:

- Pending Change Order: PCO - 11 PR #16 Plan Review Comments
- The prices below are for 30 days and subject to revision if not accepted within 30 days.
- The number of additional days added to total contract duration for completing this work is 0.

Item : 11 PR #16 Plan Review Comments

Phase	Description	Cost Type	Hours	Rate	Estimated Cost
80-0016-01	Change Orders PR #16 Plan Review Comments	3 S			1,257.17
	<b>Subtotal Item</b>	<b>11</b>			<b>1,257.17</b>

<b>Cost Type Recap:</b>		<b>Mark up</b>	<b>Amount</b>
3 Subcontractor		5.00%	1,320.03
<b>Subtotal Item</b>			<b>1,320.03</b>
<b>Bond Premium</b>		0.00%	<b>0.00</b>
<b>Insurance</b>		0.00%	<b>0.00</b>
<b>Requested Total For Item</b>		<b>11</b>	<b>1,320.03</b>
<b>Total For Change Order</b>			<b>1,320.03</b>

Approved By: Taylor Rugroden  
ICS

Submitted By: William Zebro  
LS Black Constructors, Inc.

Signed: \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_



# PROPOSAL REQUEST

ISD #280 – Richfield Public Schools	Richfield Dual Language School
LS Black Constructors	Attn: Bill Zebro
1959 Sloan Place, Suite 220	
Saint Paul, Minnesota 55117	
651-774-8445	651-774-9695
wzebro@lsblack.com	

Submit an itemized (labor and material) quotation for the proposed modifications to the contract documents as described herein within 21 days of receipt. If a cost is not submitted within 21 days, this Proposal Request can be accepted at no additional cost. Written approval is required prior to proceeding with this change.  COST EXPECTATIONS: <input type="checkbox"/> DEDUCT <input type="checkbox"/> NO COST <input checked="" type="checkbox"/> ADD	PR: #016
	Comm: #182021
	Const. Pkg: #

## Distribution:

- ☒ Dan Kretsinger, 280
- ☒ Rick Regnier, Richfield
- ☒ Andy Faulker, ICS
- ☒ Taylor Rugroden, ICS
- ☒ Dave Phillips, ICS
- ☐ Chris Ghormley, AJA
- ☐ Matt Ricker, BKBM
- ☐ Alex Smith, BKBM
- ☐ John Dunne, Rippe
- ☒ Abdual Ganamo, Wold
- ☒ N. M.-Alquicira, Wold
- ☐ Ryan Charlton, Wold
- ☐ Joe Matlock, Wold
- ☐ Jim Gausman, Wold
- ☒ Michael Klass, Wold
- ☐ John Kretchmer, Wold

Item	Description
<b>16</b>	<b>Plan Review Responses</b>
<b>16.1</b>	<b>A2.11a – MAIN LEVEL FLOOR PLAN – AREA ‘A’</b>
	- See updated sheet for revised location of gypsum board wing wall and chase wall at Flex Room A130.
<b>16.2</b>	<b>E1.02a – MAIN LEVEL DEMOLITION PLACE – AREA ‘A’</b>
	- See revised sheet for exit sign relocation clarification.
<b>16.3</b>	<b>E1.02c – MAIN LEVEL DEMOLITION PLACE – AREA ‘C’</b>
	- See revised sheet for exit sign relocation clarification.
<b>16.4</b>	<b>E2.02a – MAIN LEVEL LIGHTING PLAN – AREA ‘A’</b>
	- See revised sheet for exit sign relocation clarification, add of spare D fixture with emergency battery and photocell control.
<b>16.5</b>	<b>E2.02c – MAIN LEVEL LIGHTING PLAN – AREA ‘C’</b>
	- See revised sheet for exit sign relocation clarification.

Attachments: A2.11a, E1.02a, E1.02c, E2.02a, E2.02c

Issued By: John Kretchmer

Date: 05/24/2019

**Wold Architects and Engineers**  
 332 Minnesota Street, Suite W2000  
 Saint Paul, MN 55101  
 woldae.com | 651 227 7773

**PLANNERS**  
**ARCHITECTS**  
**ENGINEERS**



May 30, 2019

Richfield Dual Language School  
7001 Elliot Ave  
Richfield, MN 55423

RE: PR#16

Attn Bill:

Phasor Electric has reviewed PR#16 for the Richfield Dual Language School. There costs are as follows:

**PR#16**

Item 16.1-16.5

Add \$1,257.17

The total cost:

One Thousand Two Hundred Fifty Seven and 17/100

\$1,257.17

If you have any questions, please call.

Sincerely,  
PHASOR ELECTRIC COMPANY

*Mike Herman*

Mike Herman  
Project Manager  
MRH

PR #16

Phasor Electric  
2160 108th Ln NE,  
Blaine, MN 55449

LS Black  
1959 Sloan Pl #220,  
St. Paul, MN 55117

06/05/19

## Material Cost

LN	DB#	Material Description	Quantity	Cost
2	F	Supervision and Coordination	1.00	\$0.00
4	F	Add Type D Fixture	1.00	\$175.00
5	F	Add Photo Cell	1.00	\$35.00
6	F	Relocate Exit Light	2.00	\$0.00
7	I	1842 EM-1/2 EMT-CONDUIT	30.00	\$8.26
8	I	1980 EM-1/2 SET SCREW COUP	3.00	\$0.66
9	I	2000 EM-1/2 SET SCREW CONN	4.00	\$0.84
10	I	8188 WC-THHN-STRA #12	75.00	\$10.52
11	I	5540 OT-4SQ 2 1/8D COM KO	4.00	\$4.48
12	I	5618 OT-4SQ COVER BLANK 1/2KO	4.00	\$1.92
13	I	384 BE-BELL BOX 1/2 1G	1.00	\$3.89
14	I	400 BE-BELL WP SW COVER	1.00	\$3.95
15	I	3892 HA-CADDY-TEE BAR	2.00	\$1.72
Material				\$246.23
Material Tax				\$18.53
Material Total				\$264.76

## Labor Cost

Labor Description	Cost
Journeyman 9.54 hours @ \$92.00 =	\$878.12
Labor Cost	\$878.12
Labor Total	\$878.12
Job Expense	\$0.00
Labor + Material Total	\$1,142.88

## Overhead/Profit/Misc Expense/Quote Items Cost

Overhead ( 0.00%)	\$0.00
Profit ( 10.00%)	\$114.29
Total Invoice	\$1,257.17

**NEW BUSINESS – FOR REVIEW**

**Agenda Item VI.A.**

**Board of Education**  
Independent School District 280  
Richfield, Minnesota

**Regular Meeting, August 5, 2019**

**Subject: Board Policy 585 Student Surveys**

The Superintendent recommends a first review of Board Policy 585 Student Surveys. The recommended changes are reflected in the redlined version attached.

**Attachments**

Policy 585 – Original

MSBA Policy 520

Policy 585 - Redlined

## **RICHFIELD PUBLIC SCHOOLS**

### **STUDENT SURVEYS**

#### **I. PURPOSE**

Occasionally the school district utilizes surveys to obtain student opinions and information about students. The purpose of this policy is to establish the parameters of information that may be sought in student surveys.

#### **II. GENERAL STATEMENT OF POLICY**

Student surveys may be conducted as determined necessary by the school district. Surveys, analyses and evaluations conducted as part of any program funded through the U.S. Department of Education must comply with 20 U.S.C. § 1232h.

#### **III. STUDENT SURVEYS IN GENERAL**

- A. Student surveys will be conducted anonymously and in an indiscernible fashion. No mechanism will be used for identifying the participating student in any way. No attempt will be made in any way to identify a student survey participant. There will be no requirement that the student return the survey, and no record of the student's returning a survey will be maintained.
- B. The superintendent may choose not to approve any survey that seeks probing personal and/or sensitive information that could result in identifying the survey participant, or is discriminatory in nature based on age, race, color, sex, disability, religion, or national origin.
- C. Surveys containing questions pertaining to the student's or the student's parent(s) or guardian(s) personal beliefs or practices in sex, family life, morality and religion will not be administered to any student unless the parent or guardian of the student is notified in writing that such survey is to be administered and the parent or guardian of the student gives written permission for the student to participate or the opportunity to opt out of the survey depending upon how the survey is funded. Any and all documents containing the written permission of a parent for a student to participate in a survey will be maintained by the school district in a file separate from the survey responses.
- D. Although the survey is conducted anonymously, potential exists for personally identifiable information to be provided in response thereto. To the extent that personally identifiable information of a student is contained in his or her responses to a survey, the school



district will take appropriate steps to ensure the data is protected in accordance with Minn. Stat. Ch. 13 (Minnesota Government Data Practices Act), 20 U.S.C. § 1232g (Family Educational Rights and Privacy Act) and 34 C.F.R. Part 99.

**IV. STUDENT SURVEYS CONDUCTED AS PART OF DEPARTMENT OF EDUCATION PROGRAM**

- A. All instructional materials, including teacher's manuals, films, tapes, or other supplementary material which will be used in connection with any survey, analysis, or evaluation as part of any program funded in whole or in part by the U.S. Department of Education, shall be available for inspection by the parents or guardians of the students.
- B. No student shall be required, as part of any program funded in whole or in part by the U.S. Department of Education, without the prior consent of the student (if the student is an adult or emancipated minor), or in the case of an unemancipated minor, without the prior written consent of the parent, to submit to a survey that reveals information concerning:
1. political affiliations or beliefs of the student or the student's parent;
  2. mental and psychological problems of the student or the student's family;
  3. sex behavior or attitudes;
  4. illegal, antisocial, self-incriminating, or demeaning behavior;
  5. critical appraisals of other individuals with whom respondents have close family relationships;
  6. legally recognized privileged or analogous relationships, such as those of lawyers, physicians, and ministers;
  7. religious practices, affiliations, or beliefs of the student or the student's parent; or
  8. income (other than that required by law to determine eligibility for participation in a program or for receiving financial assistance under such program).
- C. A school district that receives funds under any program funded by the U.S. Department of Education shall develop local policies consistent with Sections IV.A. and IV.B., above, concerning student privacy, parental access to information, and administration of certain physical examinations to minors.

1  
2 1. The following policies are to be adopted in consultation with  
3 parents:

4  
5 a. The right of a parent to inspect, on request, a survey,  
6 including an evaluation, created by a third party  
7 before the survey is administered or distributed by a  
8 school to a student, including procedures for granting  
9 a parent's request for reasonable access to such  
10 survey within a reasonable period of time after the  
11 request is received.

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13 "Parent" means a legal guardian or other person  
14 acting *in loco parentis* (in place of a parent), such as  
15 a grandparent or stepparent with whom the child  
16 lives, or a person who is legally responsible for the  
17 welfare of the child.

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19 b. Arrangements to protect student privacy in the event  
20 of the administration or distribution of a survey,  
21 including an evaluation, to a student which contains  
22 one or more of the items listed in Section IV.B.,  
23 above, including the right of a parent of a student to  
24 inspect, on request, any such survey.

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26 c. The right of a parent of a student to inspect, on  
27 request, any instructional material used as part of the  
28 educational curriculum for the student and  
29 procedures for granting a request by a parent for such  
30 access within a reasonable period of time after the  
31 request is received.

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33 "Instructional material" means instructional content  
34 that is provided to a student, regardless of format,  
35 including printed or representational materials, audio-  
36 visual materials, and materials in electronic or digital  
37 formats (i.e., materials accessible through the  
38 Internet). The term does not include academic tests  
39 or academic assessments.

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41 d. The administration of physical examinations or  
42 screenings that the school district may administer to a  
43 student. This provision does not apply to a survey  
44 administered to a student in accordance with the  
45 Individuals with Disabilities Education Act (20 U.S.C.  
46 § 1400, *et seq.*).

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48 e. The collection, disclosure, or use of personal  
49 information collected from students for the purpose of  
50 marketing or for selling that information (or otherwise

providing the information to others for that purpose), including arrangements to protect student privacy that are provided by the school district in the event of such collection, disclosure, or use.

(1) "Personal information" means individually identifiable information including a student or parent's first and last name; a home or other physical address (including street name and the name of the city or town); a telephone number; or a Social Security identification number.

(2) This provision does not apply to the collection, disclosure, or use of personal information collected from students for the exclusive purpose of developing, evaluating, or providing educational products or services for, or to, students or educational institutions, such as:

(a) college or other postsecondary education recruitment or military;

(b) book clubs, magazines, and programs providing access to low cost literary products;

(c) curriculum and instructional materials used by elementary and secondary schools;

(d) tests and assessments used by elementary schools and secondary schools to provide cognitive, evaluative, diagnostic, clinical, aptitude, or achievement information about students, or to generate other statistically useful data for the purpose of securing such tests and assessments and the subsequent analysis and public release of the aggregate data from such tests and assessments;

(e) the sale by students of products or services to raise funds for school-related or education-related activities; and

(f) student recognition programs.

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- (3) The right of a parent to inspect, on request, any instrument used in the collection of information, as described in Section IV.C.1., Subparagraph e., above, before the instrument is administered or distributed to a student and procedures for granting a request by a parent for reasonable access to such an instrument within a reasonable period of time after the request is received.
2. The policies adopted under Section IV.C., Subparagraph 1., above, shall provide for reasonable notice of the adoption or continued use of such policies directly to parents of students enrolled in or served by the school district.
- a. The notice will be provided at least annually, at the beginning of the school year, and within a reasonable period of time after any substantive change in a policy.
- b. The notice will provide parents with an opportunity to opt out of participation in the following activities:
- (1) Activities involving the collection, disclosure, or use of personal information collected from students for the purpose of marketing or for selling that information, or otherwise providing that information to others for that purpose.
  - (2) The administration of any third-party survey (non-Department of Education funded) containing one or more of the items contained in Section IV.B., above.
  - (3) Any non-emergency, invasive physical examination or screening that is required as a condition of attendance, administered by the school and scheduled by the school in advance, and not necessary to protect the immediate health and safety of the student or other students.
- “Invasive physical examination” means any medical examination that involves the exposure of private body parts, or act during such examination that includes incision, insertion, or injection into the body, but does not include a hearing, vision, or scoliosis screening.

1 c. The notice will advise students of the specific or  
2 approximate dates during the school year when the  
3 activities in Section IV.C.2., Subparagraph b., above,  
4 are scheduled, or expected to be scheduled.

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6 d. The notice provisions shall not be construed to  
7 preempt applicable provisions of state law that require  
8 parental notification and do not apply to any physical  
9 examination or screening that is permitted or required  
10 by applicable state law, including physical  
11 examinations or screenings that are permitted without  
12 parental notification.

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14 D. The school district shall give parents and students notice of their  
15 rights under this section.  
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18 **Legal References:** Minn. Stat. Ch. 13 (Minnesota Government Data  
19 Practices Act)  
20 20 U.S.C. 1232g (Family Educational Rights and Privacy  
21 Act)  
22 20 U.S.C. 1232h (Protection of Pupil Rights)  
23 34 C.F.R. Part 99 (Family Educational Rights and Privacy  
24 Act Regulations)  
25 *Gonzaga University v. Doe*, 536 U.S. 273 (2002)  
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27 **Cross References:** Policy 563 (Protection and Privacy of Pupil Records)  
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31 ADOPTED BY THE BOARD OF EDUCATION: July 17, 2006

Adopted: \_\_\_\_\_

MSBA/MASA Model Policy 520

Orig. 1995

Revised: \_\_\_\_\_

Rev. 2016

## **520 STUDENT SURVEYS**

*[Note: School districts are required by statute to have a policy addressing student surveys.]*

### **I. PURPOSE**

Occasionally, the school district utilizes surveys to obtain student opinions and information about students. The purpose of this policy is to establish the parameters of information that may be sought in student surveys.

### **II. GENERAL STATEMENT OF POLICY**

Student surveys may be conducted as determined necessary by the school district. Surveys, analyses, and evaluations conducted as part of any program funded through the U.S. Department of Education must comply with 20 U.S.C. § 1232h.

### **III. STUDENT SURVEYS IN GENERAL**

- A. Student surveys will be conducted anonymously and in an indiscernible fashion. No mechanism will be used for identifying the participating student in any way. No attempt will be made in any way to identify a student survey participant. No requirement that the student return the survey shall exist, and no record of the student's returning a survey will be maintained.
- B. The superintendent may choose not to approve any survey that seeks probing personal and/or sensitive information that could result in identifying the survey participant, or is discriminatory in nature based on age, race, color, sex, disability, religion, or national origin.
- C. Surveys containing questions pertaining to the student's or the student's parent(s) or guardian(s) personal beliefs or practices in sex, family life, morality, and religion will not be administered to any student unless the parent or guardian of the student is notified in writing that such survey is to be administered and the parent or guardian of the student gives written permission for the student to participate or has the opportunity to opt out of the survey depending upon how the survey is funded. Any and all documents containing the written permission of a parent for a student to participate in a survey will be maintained by the school district in a file separate from the survey responses.
- D. Although the survey is conducted anonymously, potential exists for personally



identifiable information to be provided in response thereto. To the extent that personally identifiable information of a student is contained in his or her responses to a survey, the school district will take appropriate steps to ensure the data is protected in accordance with Minn. Stat. Ch. 13 (Minnesota Government Data Practices Act), 20 U.S.C. § 1232g (Family Educational Rights and Privacy Act) and 34 C.F.R. Part 99.

- E. The school district must not impose an academic or other penalty on a student who opts out of participating in a student survey.

#### **IV. STUDENT SURVEYS CONDUCTED AS PART OF DEPARTMENT OF EDUCATION PROGRAM**

- A. All instructional materials, including teacher's manuals, films, tapes, or other supplementary material which will be used in connection with any survey, analysis, or evaluation as part of any program funded in whole or in part by the U.S. Department of Education, shall be available for inspection by the parents or guardians of the students.
- B. No student shall be required, as part of any program funded in whole or in part by the U.S. Department of Education, without the prior consent of the student (if the student is an adult or emancipated minor), or, in the case of an unemancipated minor, without the prior written consent of the parent, to submit to a survey that reveals information concerning:
  - 1. political affiliations or beliefs of the student or the student's parent;
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  - 5. critical appraisals of other individuals with whom respondents have close family relationships;
  - 6. legally recognized privileged or analogous relationships, such as those of lawyers, physicians, and ministers;
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  - 8. income (other than that required by law to determine eligibility for participation in a program or for receiving financial assistance under such program).

- C. A school district that receives funds under any program funded by the U.S. Department of Education shall develop local policies consistent with Sections IV.A. and IV.B., above, concerning student privacy, parental access to information, and administration of certain physical examinations to minors.

1. The following policies are to be adopted in consultation with parents:

- a. The right of a parent to inspect, on request, a survey, including an evaluation, created by a third party before the survey is administered or distributed by a school to a student, including procedures for granting a parent's request for reasonable access to such survey within a reasonable period of time after the request is received.

"Parent" means a legal guardian or other person acting *in loco parentis* (in place of a parent), such as a grandparent or stepparent with whom the child lives, or a person who is legally responsible for the welfare of the child.

- b. Arrangements to protect student privacy in the event of the administration or distribution of a survey, including an evaluation, to a student which contains one or more of the items listed in Section IV.B., above, including the right of a parent of a student to inspect, on request, any such survey.

- c. The right of a parent of a student to inspect, on request, any instructional material used as part of the educational curriculum for the student and procedures for granting a request by a parent for such access within a reasonable period of time after the request is received.

"Instructional material" means instructional content that is provided to a student, regardless of format, including printed or representational materials, audio-visual materials, and materials in electronic or digital formats (i.e., materials accessible through the Internet). The term does not include academic tests or academic assessments.

- d. The administration of physical examinations or screenings that the school district may administer to a student. This provision does not apply to a survey administered to a student in accordance with the Individuals with Disabilities Education Act (20 U.S.C. § 1400, *et seq.*).

- e. The collection, disclosure, or use of personal information collected from students for the purpose of marketing or for selling that

information (or otherwise providing the information to others for that purpose), including arrangements to protect student privacy that are provided by the school district in the event of such collection, disclosure, or use.

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  - (c) curriculum and instructional materials used by elementary and secondary schools;
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access to such an instrument within a reasonable period of time after the request is received.

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“Invasive physical examination” means any medical examination that involves the exposure of private body parts, or act during such examination that includes incision, insertion, or injection into the body, but does not include a hearing, vision, or scoliosis screening.
  - c. The notice will advise students of the specific or approximate dates during the school year when the activities in Section IV.C.2., Subparagraph b., above, are scheduled, or expected to be scheduled.
  - d. The notice provisions shall not be construed to preempt applicable provisions of state law that require parental notification and do not apply to any physical examination or screening that is permitted or required by applicable state law, including physical examinations

or screenings that are permitted without parental notification.

## **V. NOTICE**

- A. The school district must give parents and students notice of this policy at the beginning of each school year and after making substantive changes to this policy.
- B. The school district must inform parents at the beginning of the school year if the district or school has identified specific or approximate dates for administering surveys and give parents reasonable notice of planned surveys scheduled after the start of the school year. The school district must give parents direct, timely notice when their students are scheduled to participate in a student survey by United States mail, e-mail, or another direct form of communication.
- C. The school district must give parents the opportunity to review the survey and to opt their students out of participating in the survey.

***Legal References:*** Minn. Stat. Ch. 13 (Minnesota Government Data Practices Act)  
Minn. Stat. § 121A.065 (District Surveys to Collect Student Information;  
Parent Notice and Opportunity for Opting Out)  
20 U.S.C. § 1232g (Family Educational Rights and Privacy Act)  
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309 (2002)  
*C.N. v. Ridgewood Bd. of Educ.*, 430 F.3d. 159 (3<sup>rd</sup> Cir. 2005)  
*Fields v. Palmdale School Dist.*, 427 F.3d. 1197 (9<sup>th</sup> Cir. 2005)

***Cross References:*** MSBA/MASA Model Policy 515 (Protection and Privacy of Pupil  
Records)  
MSBA/MASA Model Policy 521 (Student Disability Nondiscrimination)  
MSBA/MASA Model Policy 522 (Student Sex Nondiscrimination)

**RICHFIELD PUBLIC SCHOOLS***Adopted:**MSBA/MASA Model Policy 520**Orig. 1995**Revised:**Rev. 2016***520 STUDENT SURVEYS**

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——— 20 U.S.C. § 1232h (Protection of Pupil Rights)  
——— 34 C.F.R. ~~Part~~§ 99 (Family Educational Rights and Privacy Act Regulations)  
——— *Gonzaga University v. Doe*, 536 U.S. 273, 122 S.Ct. 2268, 153 L.Ed. 2d 309 (2002)  
*C.N. v. Ridgewood Bd. of Educ.*, 430 F.3d. 159 (3<sup>rd</sup> Cir. 2005)  
*Fields v. Palmdale School Dist.*, 427 F.3d. 1197 (9<sup>th</sup> Cir. 2005)
- Cross References:** MSBA/MASA Model Policy 563515 (Protection and Privacy of Pupil Records)

~~ADOPTED BY THE BOARD OF EDUCATION: July 17, 2006~~ MSBA/MASA Model Policy 521 (Student Disability Nondiscrimination)  
MSBA/MASA Model Policy 522 (Student Sex Nondiscrimination)

**NEW BUSINESS – FOR REVIEW**

**Agenda Item VI.B.**

**Board of Education**  
Independent School District 280  
Richfield, Minnesota

**Regular Meeting, August 5, 2019**

**Subject: Board Policy 582 Staff Notification of Violent Behavior of Students and Administrative Guidelines 582.1 Notification to Staff: Students with History of Violent Behavior or Notification to Staff: Receipt of Disposition Order**

The Superintendent recommends a first read of Board Policy 582 and Administrative Guidelines 582.1

**Attachments**

Policy 582 – Original

Guidelines 582.1 - Original

MSBA Policy 529

MSBA Form 529.1

Policy 582 – Redlined



**RICHFIELD PUBLIC SCHOOLS**

**STAFF NOTIFICATION OF VIOLENT BEHAVIOR OF STUDENTS**

**I. PURPOSE**

This policy addresses staff notification of violent behavior by students. The purpose of this policy is to address the circumstances in which data should be provided to classroom teachers and other school staff members about students with a history of violent behavior in order to serve the student and protect students and staff members. The policy incorporates a written notice to assure that appropriate data are made available to school staff members and to guarantee an accurate record of the data provided.

Data about students are governed by both state and federal law, Minn. Stat. Ch. 13 (Minnesota Government Data Practices Act) and 20 U.S.C §1232g (Family Educational Rights and Privacy Act or FERPA). Detailed information on school district practice and policy regarding student records and data can be found in the school district's Data Practices Policy (Protection and Privacy of Pupil Records Policy) and approved Records Retention Schedule.

**II. DEFINITIONS**

For purposes of this policy on Staff Notification of Violent Behavior by Students (Policy) and the model notification form, terms have the meaning given them.

**A. Administration**

"Administration" means the person or persons responsible for performing the school district's obligations under this Policy and who shall be the superintendent, building principal or other designee.

**B. Classroom Teacher**

"Classroom Teacher" means the instructional personnel responsible for the course or room to which a student is assigned at any given time.

1 C. History of Violent Behavior

2  
3 1. A student will be considered to have a history of  
4 violent behavior if incident(s) of violence have  
5 occurred during the current or previous school year.  
6

7 2. If the district has knowledge that a student has an incident of  
8 violence during the current or previous school year, that  
9 incident and all other past related or similar incidents of  
10 violence will be reported. Knowledge will be based on  
11 reports from law enforcement or school district investigation  
12 of violent incidents.  
13

14 D. Incident(s) of Violence

15  
16 “Incident(s) of violence” means willful conduct in which a student  
17 has threatened or caused physical injury to person(s) or significant  
18 damage to property, regardless of whether related to a disability or  
19 whether discipline was imposed. This does not include injury or  
20 damage, which is accidental or is the result of negligence.  
21 Administration shall be responsible for determining if an incident  
22 rises to the level of an “incident of violence. In so doing the  
23 administrator shall consider all surrounding facts and  
24 circumstances, including the existence and extent of injury, the  
25 level of threat, the existence of criminal charges, and the student’s  
26 disciplinary history.  
27

28 E. Legitimate Educational Interest

29  
30 For purposes of federal and state law, a school staff member is  
31 determined to have a legitimate educational interest in data related  
32 to a history of violent behavior if the data requested are:  
33

- 34 1. Necessary for that school staff member to perform  
35 appropriate tasks that are specified in his or her position  
36 description or by a contract agreement;  
37  
38 2. Used solely within the context of school business and not for  
39 purposes extraneous to the school staff member’s areas of  
40 responsibility or to the school;  
41  
42 3. Relevant to the accomplishment of a job-related task or to a  
43 determination about the student; and  
44  
45 4. Consistent with the purposes for which the data are  
46 maintained.  
47  
48

F. School Staff Member

“School Staff Member” includes:

1. A person duly elected to the school board;
2. A person licensed by the State and appointed by the school board to an administrative, supervisory, instructional or other professional position such as a principal, teacher, media personnel, counselor or school psychologist;
3. A person employed by or under contract to the school board to perform a special task such as a paraprofessional, school bus driver, secretary, clerk, occupational therapist, or the school board attorney for the period of his or her performance as an employee or contractor; and
4. A substitute for persons listed above for the period of his or her performance as a substitute.

**III. STAFF NOTIFICATION**

A. Recipients of Notice

Each classroom teacher of a student with a history of violent behavior (see Section II.C., above), will receive written notification from the building administration prior to placement of the student in the teacher’s classroom. In addition, notice will be given by the administration to other school staff members who have a legitimate educational interest, as defined in this Policy, in the data.

For example, the bus driver of the student or a paraprofessional assisting on the student’s bus would have a legitimate educational interest in the data while a driver or paraprofessional on a different bus would not. Similarly, a paraprofessional working with the student in the classroom or supervising the student on the playground would have a legitimate educational interest in the data while a paraprofessional who does not interact with this student would not. Different school staff members may have a legitimate educational interest in different amounts of data on a particular student.

B. Determination of Who Receives Notice

Determination of which school staff members have a legitimate educational interest will be made by (1) the Director of Personnel and Administrative Services or (2) the building administration.

School staff members who receive notice under this Policy may provide notice to someone substituting for them or for another staff member who has received notice. For example, if a

paraprofessional that is absent has received notice, that paraprofessional, the classroom teacher, or the principal could tell the person temporarily replacing the paraprofessional.

C. Form of Written Notice

The notice given to school staff members must be in writing and must include the following:

1. Name of the student;
2. Date of notice;
3. The history of violent behavior as defined in Section II. of this Policy; and
4. Reminder of the private nature of the data provided.

If appropriate, the notice will also include any or all of the following:

5. Explanation of what occurred in each incident of violent behavior, if known, specifically including any mitigating factors;
6. Types of situations that might trigger violent behavior by the student, if known;
7. Successful strategies or interventions, if known; and
8. Documents that the staff member may review to assist understanding of the student (e.g. IEP or § 504 plan).

D. Record of Notice

The administration must keep a copy of the notice or other documentation to provide a record of those school staff members notified under this section. Retention of the written notice provided to school staff members is governed by the approved Records Retention Schedule.

E. Law Enforcement Reports

The administration must immediately inform appropriate school staff members of notices related to an incident of violent behavior received from law enforcement pursuant to Minn. Stat. §121A.75. The law enforcement notice must be followed by the formal written notice set forth above within a reasonable time, not to exceed 10 business days. All other notices received from law enforcement pursuant to Minn. Stat. §121A.75 must be disseminated as

required by that section. Retention of the law enforcement notice is governed by Minn. Stat. §121A.75, Subd. 2(e).

F. Model Notice

A model form for School Staff Member Notification is attached as Appendix I.

**IV. NOTICE TO OTHER SCHOOL DISTRICTS**

When transferring records of a student with a history of violent behavior, administration must send to an enrolling school district, charter school or alternative education program all student records, including all data about the student's history of violent behavior, consistent with this Policy. Transferring the records is not a violation of the Family Educational Rights and Privacy Act (FERPA), 20 U.S.C. § 1232g or the Minnesota Government Data Practices Act, Minn. Stat. Ch. 13, provided the annual FERPA parental notice requirements are met. These written records within the student's file are educational records and are to be transmitted to an enrolling school district, as set forth in Minn. Stat. §120A.22, Subd. 7.

**V. PARENTAL NOTICE**

The administration will notify parents annually that it gives classroom teachers and other school staff members notice about students' history of violent behavior. This will be included as part of the Annual Notice of Rights required by FERPA and shall be provided to a parent/guardian at the time a Notice about the student's violent behavior under this Policy is first provided or if it is changed. In addition, the administration will notify parents that this Notice is an educational record and will be transferred to an enrolling school district.

Parents will be given notice that they have the right to review and challenge records or data, (including the data documenting the history of violent behavior), under both state and federal law as set forth in the school district Protection and Privacy of Pupil Records Policy.

**VI. TRAINING NEEDS**

Pursuant to Minn. Stat. § 121A.64, representatives of the school board and representatives of the teachers will discuss the needs of students and staff. The parties may discuss necessary training, which may include training on conflict resolution and positive behavior interventions and may discuss necessary intervention services such as student behavioral assessments.

**Legal References:** Minn. Stat. § 120A.22, Subd. 7 (Education Records)  
Minn. Stat. § 121A.45 (Grounds for Dismissal)

1 Minn. Stat. § 121A.64 (Notification of Students with  
2 Violent Behavior)  
3 Minn. Stat. § 121A.75 (Law Enforcement Notice to  
4 Schools)  
5 Minn. Stat. Ch. 13 (Minnesota Government Data  
6 Practices Act)  
7 Minn. Stat. §13.04, Subd. 4 (Process for Challenging  
8 Data under State Law)  
9 Minn. Rules Parts 1205.0100 – 1205.2000 (Data  
10 Practices)  
11 20 U.S.C. § 1232g (Family Educational Rights and  
12 Privacy Act)  
13 34 C.F.R. §§ 99.1-99.67 (Rules Implementing FERPA)  
14 34 C.F.R. §§ 99.20-99.22 (Process for Challenging Data  
15 under Federal Law)  
16 Minn. Laws 2003, 1<sup>st</sup> Sp., Ch. 9, Art.2, § 53  
17

18 ***Cross References: Board of Education Policy 581 (Protection and***  
19 ***Privacy of Pupil Records)***

20 ADOPTED BY THE BOARD OF EDUCATION: December 15, 2003

21 REVISED BY THE BOARD OF EDUCATION: June 17, 2008  
22  
23  
24



**PRIVATE DATA**

(Educational data classified as “private” can be accessed on a  
“professional need to know” basis only.)

**KEEP THIS INFORMATION SECURE**

Date:

To:

From:

**RE: Notification to Staff: Student with History of Violent Behavior**

**Student Name:**

**Offense:**

**Date of Offense:**

You are receiving this notification pursuant to Minnesota State Statute 121A.64 because you will have contact with the above named student during the course of your duties. This student has exhibited behavior which is defined as violent. The statute regarding notification to staff is listed on the reverse side of this memo.

If you wish more information regarding this student’s behavior or if you have concerns regarding this student, please see me.

***Note: This information is “private” and must be safeguarded! You are being provided this data because you have a legitimate educational interest to this information.***

**RICHFIELD PUBLIC SCHOOLS**

**ADMINISTRATIVE GUIDELINES**

**Notification to Staff: Students with History of Violent Behavior**

**OR**

**Notification to Staff: Receipt of Disposition Order**

**RATIONALE**

1. Minnesota statutes require notification to appropriate school staff of information about students with histories of violent behavior and of receipt of disposition orders.

**Minnesota Statute 121A.64 Notification (complete)**

Representatives of the school board and the exclusive representative of the teachers shall discuss issues related to notification prior to placement in classrooms of students with histories of violent behavior and any need for intervention services or conflict resolution or training for staff in these cases.

**Minnesota Statute 121A.75 Receipt of disposition order; sharing (summary)**

Upon receipt of a disposition order, the principal must:

- A. place the disposition order in the student's permanent education record.
- B. immediately notify any counselor assigned to the student.
- C. immediately notify any staff (including substitutes or volunteers) who need the data to work with the student in an appropriate manner, to avoid being needlessly vulnerable, or to protect other persons from needless vulnerability.

When provided in the disposition order, the notice given must identify the student, outline the offense, and describe any conditions of probation about which the school must provide information. Information received under this subdivision is private data and is received for the limited purpose of serving the educational needs of the student and protecting students or staff. The data may not be further disseminated by the teacher, counselor, staff member, and administrator except as necessary to serve

the student, to protect students or staff, or as otherwise required by law.

2. The District 280 Belief Statement (Strategy 5) holds that maintaining a safe, supportive, respectful and caring environment is the responsibility of the district in collaboration with the students, staff, family, and community.

### **TIMELINE FOR NOTIFICATION**

**Immediate notification** to staff is required upon receipt of information regarding a history of violent behavior or upon receipt of a disposition order for a student who is currently enrolled in school.

**Notification to staff prior to placement** of student in classrooms is required upon receipt of information regarding a history of violent behavior or upon receipt of a disposition order for a student in the process of enrolling in school.

### **NOTIFICATION PROCESS**

1. Staff member receiving information on a student with a history of violent behavior or receiving a disposition order must inform the building/program administrator.
2. Building/program administrator or designee verifies background information prior to notification of staff.
3. Building/program administrator notifies appropriate staff.
4. Building/program administrator notifies parents of violent students that the District will be giving notice of the history of violent behavior to the student's classroom teacher and other employees who have a legitimate educational interest.

### **GUIDELINES**

Violence related:

- Expulsion
- Felony
- Gross Misdemeanor
- physical assault on staff
- possession / use weapon
- terroristic threat to staff
- 2 or more fight incidents per year, which results in suspension

Staff need to know as determined by building administration may include but not limited to:

- administrative staff
- bus drivers
- counselors
- extra/co-curricular advisors

1 health specialist  
2 office staff  
3 paraprofessionals  
4 police liaison  
5 teachers  
6  
7  
8

9 Dated: December 15, 2003

10 Reviewed: June 17, 2008

11 Revised:  
12

Adopted: \_\_\_\_\_

MSBA/MASA Model Policy 529

Orig. 1999

Revised: \_\_\_\_\_

Rev. 2016

## **529 STAFF NOTIFICATION OF VIOLENT BEHAVIOR BY STUDENTS**

*[Note: School districts are not required to adopt a policy regarding staff notification of violent behavior by students. State law does, however, require school districts to provide classroom teachers with notice of the placement of students with a history of violent behavior in their classrooms. Thus, school districts may decide the manner in which they provide such notice. In 2003, the Minnesota Legislature required a committee, including a representative from the Minnesota School Boards Association (MSBA), to develop a model policy for schools to notify staff about violent behavior by students. That model policy is available on the Minnesota Department of Administration's website. MSBA has modified the committee-developed policy for consistency with its other model policies and to reflect management perspectives. MSBA recommends this policy.]*

### **I. PURPOSE**

In an effort to provide a safe school environment, the assigned classroom teacher and certain staff members should know whether a student to be placed in the classroom has a history of violent behavior. Additionally, decisions should be made regarding how to manage such a student.

The purpose of this policy is to address the circumstances in which data should be provided to classroom teachers and other school staff members about students with a history of violent behavior and to establish a procedure for notifying staff regarding the placement of students with a history of violent behavior.

### **II. GENERAL STATEMENT OF POLICY**

- A. Any staff member or other employee of the school district who obtains or possesses information concerning a student in the building with a history of violent behavior shall immediately report said information to the principal of the building in which the student attends school.
- B. The administration will meet with the assigned classroom teacher and other appropriate staff members for the purpose of notifying and determining how staff will manage such student.
- C. Only staff members who have a legitimate educational interest in the information will receive notification.

### **III. DEFINITIONS**

For purposes of this policy, the following terms have the meaning given them.

A. Administration

“Administration” means the superintendent, building principal, or other designee.

B. Classroom Teacher

“Classroom teacher” means the instructional personnel responsible for the course or room to which a student is assigned at any given time, including a substitute hired in place of the classroom teacher.

C. History of Violent Behavior

1. A student will be considered to have a history of violent behavior if incident(s) of violence, including any documented physical assault of a school district employee by the student, have occurred during the current or previous school year.
2. If a student has an incident of violence during the current or previous school year, that incident and all other past related or similar incidents of violence will be reported.

D. Incident(s) of Violence

“Incident(s) of violence” means willful conduct in which a student endangers or causes physical injury to the student, other students, a school district employee, or surrounding person(s) or endangers or causes significant damage to school district property, regardless of whether related to a disability or whether discipline was imposed.

E. Legitimate Educational Interest

“Legitimate educational interest” includes interest directly related to classroom instruction, teaching, student achievement and progress, discipline of a student, student health and welfare, and the ability to respond to a request for educational data. It includes a person’s need to know in order to:

1. Perform an administrative task required in the school or the employee’s contract or position description approved by the school board;
2. Perform a supervisory or instructional task directly related to the student’s education; or
3. Perform a service or benefit for the student or the student’s family such as health care, counseling, student job placement, or student financial aid.
4. Perform a task directly related to responding to a request for data.

F. School Staff Member



“School staff member” includes:

1. A person duly elected to the school board;
2. A person employed by the school board in an administrative, supervisory, instructional, or other professional position;
3. A person employed by the school board as a temporary substitute in a professional position for the period of his or her performance as a substitute; and
4. A person employed by, or under contract to, the school board to perform a special task such as a secretary, a clerk, a public information officer or data practices compliance official, an attorney, or an auditor for the period of his or her performance as an employee or contractor.

*[Note: School districts may wish to reference other school staff members such as paraprofessionals, bus drivers, occupational therapists, or police liaison officers in the definition of a “school staff member.” However, the definition of a “school staff member” in this policy should be identical to the school district’s definition of a “school official” in Policy 515, Protection and Privacy of Pupil Records.]*

#### **IV. PROCEDURE FOR STAFF NOTIFICATION OF STUDENTS WITH VIOLENT BEHAVIOR**

##### **A. Reports of Violent Behavior**

Any staff member or other employee of the school district who becomes aware of any information regarding the violent behavior of an enrolling student or any student enrolled in the school district shall immediately report the information to the building principal where the student is enrolled or seeks to enroll.

##### **B. Recipients of Notice**

Each classroom teacher of a student with a history of violent behavior (see Section III.C., above) will receive written notification from the administration prior to placement of the student in the teacher’s classroom. In addition, written notice will be given by the administration to other school staff members who have a legitimate educational interest, as defined in this policy, when a student with a history of violent behavior is placed in a teacher’s classroom. The administration will provide notice to anyone substituting for the classroom teacher or school staff member, who has received notice under this policy, that the substitute will be overseeing a student with a history of violent behavior.

The administration may provide other school district employees or individuals outside of the school district with information regarding a student, including information regarding a student’s history of violent behavior, in accordance with Policy 515, Protection and Privacy of Pupil Records.

C. Determination of Who Receives Notice

The determination of which classroom teachers and school staff members have a legitimate educational interest in information regarding a student with a history of violent behavior will be made by either: (1) the school district's Responsible Authority appointed by the school board under the Minnesota Government Data Practices Act or (2) the administration. In the event the administration makes this determination, the Responsible Authority will provide guidance to the administration as to what data will be shared.

D. Form of Written Notice

The notice given to classroom teachers and school staff members will be in writing and will include the following:

1. Name of the student;
2. Date of notice;
3. Notification that the student has been identified as a student with a history of violent behavior as defined in Section III. of this policy; and
4. Reminder of the private nature of the data provided.

E. Record of Notice

1. The administration will retain a copy of the notice or other documentation provided to classroom teachers and school staff members notified under this section.
2. Retention of the written notice or other documentation provided to classroom teachers and school staff members is governed by the approved Records Retention Schedule.

F. Meetings Regarding Students with a History of Violent Behavior

1. If the administration determines, in his or her discretion, that the classroom teacher and/or school staff members with a legitimate educational interest in such data reasonably require access to the details regarding a student's history of violent behavior for purposes of school safety and/or intervention services for the student, the administration also may convene a meeting to share and discuss such data.
2. The persons present at the meeting may have access to the data described in Section IV.D., above.

G. Law Enforcement Reports

Staff members will be provided with notice of disposition orders or law enforcement reports received by the school district in accordance with Policy 515, Protection and Privacy of Pupil Records. Where appropriate, information obtained from disposition orders or law enforcement reports also may be included in a Notification of Violent Behavior.

## **V. MAINTENANCE AND TRANSFER OF RECORDS**

A report, notice, or documentation pertaining to a student with a history of violent behavior are educational records of a student and will be retained, maintained, and transferred to a school or school district in which a student seeks to enroll in accordance with Policy 515, Protection and Privacy of Pupil Records.

## **VI. PARENTAL NOTICE**

- A. The administration will notify parents annually that the school district gives classroom teachers and other school staff members notice about students' history of violent behavior.
- B. Prior to providing the written notice of a student's violent behavior to classroom teachers and/or school staff members, the administration will inform the student's parent or guardian that such notice will be provided.
- C. Parents will be given notice that they have the right to review and challenge records or data, including the data documenting the history of violent behavior, in accordance with Policy 515, Protection and Privacy of Pupil Records.

## **VII. TRAINING NEEDS**

Representatives of the school board and representatives of the teachers will discuss the needs of students and staff. The parties may discuss necessary training which may include training on conflict resolution and positive behavior interventions and may discuss necessary intervention services such as student behavioral assessments.

**Legal References:** Minn. Stat. Ch. 13 (Minnesota Government Data Practices Act)  
Minn. Stat. § 120A.22, Subd. 7 (School Attendance - Education Records)  
Minn. Stat. § 121A.45 (Grounds for Dismissal)  
Minn. Stat. § 121A.64 (Notification of Students with Violent Behavior)  
Minn. Stat. § 121A.75 (Law Enforcement Notice to Schools)  
Minn. Rules Parts 1205.0100-1205.2000 (Data Practices)  
20 U.S.C. § 1232g (Family Educational Rights and Privacy Act)  
34 C.F.R. §§ 99.1-99.67 (Rules Implementing FERPA)  
Minn. Laws 2003, 1<sup>st</sup> Sp., Ch. 9, Art. 2, § 53

**Cross References:** MSBA/MASA Model Policy 515 (Protection and Privacy of Pupil Records)

**MODEL NOTICE**

**STAFF NOTIFICATION OF VIOLENT BEHAVIOR BY STUDENTS**

To: (Staff Name)

From: (Administrative Official)

Date of Notice:

This notice is sent to inform you that the following student has a history of violent behavior. The notice is sent to assist you in helping this student to be successful and ensuring the safety of students and staff.

**You can use what you have learned about the student's history of violent behavior only to the extent allowed by school district policy. The data on this form are private data under state and federal law, and the student's privacy rights must be protected.**

Student's name:

Incident(s) of violence:

**If staff have a legitimate educational interest, provide the following information.**

Description/Explanation of incident(s) if known (Specifically include any mitigating factors, e.g. self-defense, defense of others, medication issues):

The types of situations that might trigger violent behavior by this student, if known (e.g. triggers for frustration or anger):

Strategies or interventions that are successful with this student, if known:

The following documents may be available for you to review regarding this student:

- ☐ IEP
- ☐ §504 Plan
- ☐ Functional Behavioral Assessment
- ☐ Reports or statements by school staff
- ☐ Information provided by the parent or guardian

Additional information may be available to you based on your legitimate educational interest.

## **RICHFIELD PUBLIC SCHOOLS**

*Adopted:* MSBA/MASA Model Policy 529

*Orig. 1999*

*Revised:* Rev. 2016

### **529 STAFF NOTIFICATION OF VIOLENT BEHAVIOR ~~OF~~BY STUDENTS**

*[Note: School districts are not required to adopt a policy regarding staff notification of violent behavior by students. State law does, however, require school districts to provide classroom teachers with notice of the placement of students with a history of violent behavior in their classrooms. Thus, school districts may decide the manner in which they provide such notice. In 2003, the Minnesota Legislature required a committee, including a representative from the Minnesota School Boards Association (MSBA), to develop a model policy for schools to notify staff about violent behavior by students. That model policy is available on the Minnesota Department of Administration's website. MSBA has modified the committee-developed policy for consistency with its other model policies and to reflect management perspectives. MSBA recommends this policy.]*

#### **I. PURPOSE**

~~This policy addresses staff notification of violent behavior by students.~~ In an effort to provide a safe school environment, the assigned classroom teacher and certain staff members should know whether a student to be placed in the classroom has a history of violent behavior. Additionally, decisions should be made regarding how to manage such a student.

The purpose of this policy is to address the circumstances in which data should be provided to classroom teachers and other school staff members about students with a history of violent behavior ~~in order to serve the student and protect students and staff members. The policy incorporates a written notice to assure that appropriate data are made available to school staff members and to guarantee an accurate record of the data provided~~ and to establish a procedure for notifying staff regarding the placement of students with a history of violent behavior.

#### **II.**

~~Data about students are governed by both state and federal law, Minn. Stat. Ch. 13 (Minnesota Government Data Practices Act) and 20 U.S.C §1232g (Family Educational Rights and Privacy Act or FERPA). Detailed information on school district practice and policy regarding student records and data can be found in the school district's Data Practices Policy (Protection and Privacy of Pupil Records Policy) and approved Records Retention Schedule.~~

#### **H. GENERAL STATEMENT OF POLICY**

- A. Any staff member or other employee of the school district who obtains or possesses information concerning a student in the building with a history of violent behavior shall immediately report said information to the principal of the building in which the student attends school.
- B. The administration will meet with the assigned classroom teacher and other appropriate staff members for the purpose of notifying and determining how staff will manage such student.
- C. Only staff members who have a legitimate educational interest in the information will receive notification.

### III. DEFINITIONS

For purposes of this policy ~~on Staff Notification of Violent Behavior by Students (Policy) and the model notification form,~~ the following terms have the meaning given them.

A. Administration

“Administration” means the ~~person or persons responsible for performing the school district’s obligations under this Policy and who shall be the~~ superintendent, building principal, or other designee.

B. Classroom Teacher

“Classroom ~~Teacher~~teacher” means the instructional personnel responsible for the course or room to which a student is assigned at any given time, including a substitute hired in place of the classroom teacher.

C. History of Violent Behavior

1. A student will be considered to have a history of violent behavior if incident(s) of violence, including any documented physical assault of a school district employee by the student, have occurred during the current or previous school year.
2. If ~~the district has knowledge that~~ a student has an incident of violence during the current or previous school year, that incident and all other past related or similar incidents of violence will be reported. ~~Knowledge will be based on reports from law enforcement or school district investigation of violent incidents.~~

D. Incident(s) of Violence

“Incident(s) of violence” means willful conduct in which a student ~~has threatened~~endangers or ~~caused~~causes physical injury to the student, other students, a school district employee, or surrounding person(s) or ~~endangers or~~



causes significant damage to school district property, regardless of whether related to a disability or whether discipline was imposed. ~~This does not include injury or damage, which is accidental or is the result of negligence. Administration shall be responsible for determining if an incident rises to the level of an "incident of violence. In so doing the administrator shall consider all surrounding facts and circumstances, including the existence and extent of injury, the level of threat, the existence of criminal charges, and the student's disciplinary history.~~

E. Legitimate Educational Interest

~~For purposes of federal and state law, a school staff member is determined to have a legitimate educational interest in data related to a history of violent behavior if the data requested are:~~

"Legitimate educational interest" includes interest directly related to classroom instruction, teaching, student achievement and progress, discipline of a student, student health and welfare, and the ability to respond to a request for educational data. It includes a person's need to know in order to:

1. Perform an administrative task required in the school or the employee's contract or
  - ~~1. Necessary for that school staff member to perform appropriate tasks that are specified in his or her position description or approved by a contract agreement;~~
  - ~~2. Used solely within the context of school business and not for purposes extraneous to the school staff member's areas of responsibility or to the school board;~~
  - ~~3. Relevant to the accomplishment of a job-~~2. Perform a supervisory or instructional task directly related task to the student's education; or to a determination about
  3. Perform a service or benefit for the student; and
  - ~~4. Consistent with the purposes for which the data are maintained.~~

or the student's family such as health care, counseling, student job placement, or student financial aid.

4. Perform a task directly related to responding to a request for data.

F. School Staff Member

“School ~~Staff Member~~staff member” includes:

1. A person duly elected to the school board;
2. A person ~~licensed by the State and appointed~~employed by the school board ~~to~~in an administrative, supervisory, instructional, or other professional position ~~such as a principal, teacher, media personnel, counselor or school psychologist;~~
3. A person employed by the school board as a temporary substitute in a professional position for the period of his or her performance as a substitute; and
4. A person employed by, or under contract to, the school board to perform a special task such as a ~~paraprofessional, school bus driver,~~ secretary, a clerk, ~~occupational therapist,~~ a public information officer or the school board data practices compliance official, an attorney, or an auditor for the period of his or her performance as an employee or contractor;

[Note: School districts may wish to reference other school staff members such as paraprofessionals, bus drivers, occupational therapists, or police liaison officers in the definition of a “school staff member.” However, the definition of a “school staff member” in this policy should be identical to the school district’s definition of a “school official” in Policy 515, Protection and Privacy of Pupil Records.]

4. ~~A substitute for persons listed above for the period of his or her performance as a substitute.~~

**IV. PROCEDURE FOR**

**~~III.~~ STAFF NOTIFICATION OF STUDENTS WITH VIOLENT BEHAVIOR**

**AA. Reports of Violent Behavior**

Any staff member or other employee of the school district who becomes aware of any information regarding the violent behavior of an enrolling student or any student enrolled in the school district shall immediately report the information to the building principal where the student is enrolled or seeks to enroll.

**B. Recipients of Notice**

Each classroom teacher of a student with a history of violent behavior (see Section ~~III.C., above~~) will receive written notification from the **building**-administration

prior to placement of the student in the teacher's classroom. In addition, written notice will be given by the administration to other school staff members who have a legitimate educational interest, as defined in this ~~Policy, in the data~~ policy, when a student with a history of violent behavior is placed in a teacher's classroom. The administration will provide notice to anyone substituting for the classroom teacher or school staff member, who has received notice under this policy, that the substitute will be overseeing a student with a history of violent behavior.

~~For example, the bus driver of the student or a paraprofessional assisting on the student's bus would have a legitimate educational interest in the data while a driver or paraprofessional on a different bus would not. Similarly, a paraprofessional working with the student in the classroom or supervising the student on the playground would have a legitimate educational interest in the data while a paraprofessional who does not interact with this student would not. Different school staff members may have a legitimate educational interest in different amounts of data on a particular student.~~The administration may provide other school district employees or individuals outside of the school district with information regarding a student, including information regarding a student's history of violent behavior, in accordance with Policy 515, Protection and Privacy of Pupil Records.

~~B.~~

C. Determination of Who Receives Notice

~~Determination~~The determination of which classroom teachers and school staff members have a legitimate educational interest in information regarding a student with a history of violent behavior will be made by either: (1) the ~~Director of Personnel and Administrative Services~~school district's Responsible Authority appointed by the school board under the Minnesota Government Data Practices Act or (2) the ~~building~~ administration.

~~School staff members who receive notice under~~ In the event the administration makes this ~~Policy may~~determination, the Responsible Authority will provide ~~notice~~guidance to ~~someone substituting for them or for another staff member who has received notice. For example, if a paraprofessional that is absent has received notice, that paraprofessional, the classroom teacher, or the principal could tell the person temporarily replacing the paraprofessional~~the administration as to what data will be shared.

~~C.~~

D. Form of Written Notice

The notice given to classroom teachers and school staff members ~~must~~will be in writing and ~~must~~will include the following:

1. Name of the student;
2. Date of notice;
3. ~~The~~ Notification that the student has been identified as a student with a history of violent behavior as defined in Section ~~IIII~~ of this ~~Policy~~ policy; and
4. Reminder of the private nature of the data provided.

~~If appropriate, the notice will also include any or all of the following:~~

- ~~5. Explanation of what occurred in each incident of violent behavior, if known, specifically including any mitigating factors;~~
- ~~6. Types of situations that might trigger violent behavior by the student, if known;~~
- ~~7. Successful strategies or interventions, if known; and~~
- ~~8. Documents that the staff member may review to assist understanding of the student (e.g. IEP or § 504 plan).~~

~~DE~~. Record of Notice

- ~~1.~~ The administration ~~must keep~~ will retain a copy of the notice or other documentation ~~to provide a record of those provided to classroom teachers and~~ school staff members notified under this section.
- ~~2.~~ Retention of the written notice or other documentation provided to classroom teachers and school staff members is governed by the approved Records Retention Schedule.

~~EF~~. Meetings Regarding Students with a History of Violent Behavior

- ~~1.~~ If the administration determines, in his or her discretion, that the classroom teacher and/or school staff members with a legitimate educational interest in such data reasonably require access to the details regarding a student's history of violent behavior for purposes of school safety and/or intervention services for the student, the administration also may convene a meeting to share and discuss such data.
- ~~2.~~ The persons present at the meeting may have access to the data described in Section IV.D., above.

~~G~~. Law Enforcement Reports

Staff members will be provided with notice of disposition orders or law enforcement reports received by the school district in accordance with Policy 515.

Protection and Privacy of Pupil Records. Where appropriate, information obtained from disposition orders or law enforcement reports also may be included in a Notification of Violent Behavior.

~~V.~~ The administration must immediately inform appropriate school staff members of notices related to an incident of violent behavior received from law enforcement pursuant to Minn. Stat. §121A.75. The law enforcement notice must be followed by the formal written notice set forth above within a reasonable time, not to exceed 10 business days. All other notices received from law enforcement pursuant to Minn. Stat. §121A.75 must be disseminated as required by that section. Retention of the law enforcement notice is governed by Minn. Stat. §121A.75, Subd. 2(e).

~~F.~~ Model Notice

A model form for School Staff Member Notification is attached as Appendix I.

~~IV.~~ **NOTICE TO OTHER SCHOOL DISTRICTS**

When transferring records of a student with a history of violent behavior, administration must send to an enrolling school district, charter school or alternative education program all student records, including all data about the student's history of violent behavior, consistent with this Policy. Transferring the records is not a violation of the Family Educational Rights and Privacy Act (FERPA), 20 U.S.C. § 1232g or the Minnesota Government Data Practices Act, Minn. Stat. Ch. 13, provided the annual FERPA parental notice requirements are met. These written records within the student's file are educational records and are to be transmitted to an enrolling school district, as set forth in Minn. Stat. §120A.22, Subd. 7.

~~V.~~ **MAINTENANCE AND TRANSFER OF RECORDS**

A report, notice, or documentation pertaining to a student with a history of violent behavior are educational records of a student and will be retained, maintained, and transferred to a school or school district in which a student seeks to enroll in accordance with Policy 515, Protection and Privacy of Pupil Records.

**VI. PARENTAL NOTICE**

A. The administration will notify parents annually that ~~the school district~~ gives classroom teachers and other school staff members notice about students' history of violent behavior. ~~This will be included as part of the Annual Notice of Rights required by FERPA and shall be provided to a parent/guardian at the time a Notice about the student's violent behavior under this Policy is first provided or if it is changed. In addition, the administration will notify parents that this Notice is an educational record and will be transferred to an enrolling school district.~~

B. Prior to providing the written notice of a student's violent behavior to classroom teachers and/or school staff members, the administration will inform the student's parent or guardian that such notice will be provided.

C. Parents will be given notice that they have the right to review and challenge records or data, ~~(including the data documenting the history of violent behavior), under both state and federal law as set forth, in the school district~~ accordance with Policy 515, Protection and Privacy of Pupil Records ~~Policy.~~

## ~~VII.~~ VII. TRAINING NEEDS

~~Pursuant to Minn. Stat. § 121A.64, representatives~~ Representatives of the school board and representatives of the teachers will discuss the needs of students and staff. The parties may discuss necessary training, which may include training on conflict resolution and positive behavior interventions and may discuss necessary intervention services such as student behavioral assessments.

**Legal References:** Minn. Stat. Ch. 13 (Minnesota Government Data Practices Act)  
Minn. Stat. § 120A.22, Subd. 7 (School Attendance - Education Records)  
Minn. Stat. § 121A.45 (Grounds for Dismissal)  
Minn. Stat. § 121A.64 (Notification of Students with Violent Behavior)  
Minn. Stat. § 121A.75 (Law Enforcement Notice to Schools)  
~~Minn. Stat. Ch. 13 (Minnesota Government Data Practices Act)~~  
~~Minn. Stat. § 13.04, Subd. 4 (Process for Challenging Data under State Law)~~  
~~Minn.~~ Rules Parts 1205.0100—1205.2000 (Data Practices)  
20 U.S.C. § 1232g (Family Educational Rights and Privacy Act)  
34 C.F.R. §§ 99.1-99.67 (Rules Implementing FERPA)  
~~34 C.F.R. §§ 99.20-99.22 (Process for Challenging Data under Federal Law)~~  
Minn. Laws 2003, 1<sup>st</sup> Sp., Ch. 9, Art. 2, § 53

**Cross References:** ~~Board of Education~~ MSBA/MASA Model Policy ~~584~~ 515 (Protection and Privacy of Pupil Records)

~~ADOPTED BY THE BOARD OF EDUCATION: December 15, 2003~~

~~REVISED BY THE BOARD OF EDUCATION: June 17, 2008~~

## **PRIVATE DATA**

~~(Educational data classified as “private” can be accessed on a  
“professional need to know” basis only.)~~

### **KEEP THIS INFORMATION SECURE**

Date:

To:

From:

**RE:** ~~Notification to Staff: Student with History of Violent Behavior~~

**Student Name:**

**Offense:**

**Date of Offense:**

~~You are receiving this notification pursuant to Minnesota State Statute 121A.64 because you will have contact with the above named student during the course of your duties. This student has exhibited behavior which is defined as violent. The statute regarding notification to staff is listed on the reverse side of this memo.~~

~~If you wish more information regarding this student’s behavior or if you have concerns regarding this student, please see me.~~

~~Note: This information is “private” and must be safeguarded! You are being provided this data because you have a legitimate educational interest to this information.~~



**NEW BUSINESS – FOR REVIEW**

**Agenda Item VI.C.**

**Board of Education**  
Independent School District 280  
Richfield, Minnesota

**Regular Meeting, August 5, 2019**

**Subject: Board Policy 608 EDUCATION OF PUPILS WITH DISABILITIES**

The Superintendent recommends a first review of Board Policy 608. The recommended changes are reflected in the redlined version attached.

**Attachments**

Policy 608 – Original

MSBA Policy 608

Policy 608 - Redlined

**RICHFIELD PUBLIC SCHOOLS**  
**EDUCATION OF PUPILS WITH DISABILITIES**

The purpose of this policy is to set forth the position of the school board on the need for special education services on the part of some students in the school district.

The school board recognizes that some students need special education, and further recognizes the importance of providing a free, appropriate public education and delivery system for students in need of special education.

The school board accepts its responsibility to identify, evaluate, and provide special instruction and services for children with disabilities who are properly the responsibility of the school district and who meet the criteria to qualify for special instruction and services as set forth in Minnesota and federal law.

The school district shall ensure that all qualified children with disabilities are provided the special instruction and services which are appropriate to their educational needs.

When such services require or result from interagency cooperation, the school district shall participate in such interagency activities in compliance with the law.

ADOPTED BY THE BOARD OF EDUCATION: February 2, 1981

AMENDED BY THE BOARD OF EDUCATION: July 21, 1986; January 22, 1991; June 15, 1998; August 4, 2003

REAFFIRMED BY THE BOARD OF EDUCATION: August 12, 2013

**Legal References:** Minn. Stat. 124D.03 (Enrollment Options Program)  
Minn. Stat. 125A.02 (Definition of Child With a Disability)  
Minn. Stat. 125A.027 (District Obligations)  
Minn. Stat. 125A.03  
Minn. Stat. 125A.08  
Minn. Stat. 125A.15  
Minn. Stat. 125A.29  
29 U.S.C. 794 et seq (504 of Rehabilitation Act of 1973)  
20 U.S.C. 1400 et seq (IDEA, Individuals with Disabilities Act)

Adopted: \_\_\_\_\_

MSBA/MASA Model Policy 608

Orig. 1995

Revised: \_\_\_\_\_

Rev. 2009

## **608 INSTRUCTIONAL SERVICES – SPECIAL EDUCATION**

*[Note: The provisions of this policy substantially reflect statutory and regulatory requirements.]*

### **I. PURPOSE**

The purpose of this policy is to set forth the position of the school board on the need to provide special educational services to some students in the school district.

### **II. GENERAL STATEMENT OF POLICY**

The school board recognizes that some students need special education and further recognizes the importance of providing a free appropriate public education and delivery system for students in need of special education.

### **III. RESPONSIBILITIES**

- A. The school board accepts its responsibility to identify, evaluate, and provide special education and related services for disabled children who are properly the responsibility of the school district and who meet the criteria to qualify for special education and related services as set forth in Minnesota and federal law.
- B. The school district shall ensure that all qualified disabled children are provided special education and related services which are appropriate to their educational needs.
- C. When such services require or result from interagency cooperation, the school district shall participate in such interagency activities in compliance with applicable federal and state law.

**Legal References:** Minn. Stat. § 124D.03 (Enrollment Options Program)  
Minn. Stat. § 125A.02 (Definition of Child with a Disability)  
Minn. Stat. §§ 125A.027, 125A.03, 125A.08, 125A.15, and 125A.29 (District Obligations)  
20 U.S.C. § 1400 *et seq.* (Individuals with Disabilities Education Improvement Act of 2004)

**Cross References:** MSBA/MASA Model Policy 402 (Disability Nondiscrimination Policy)  
MSBA/MASA Model Policy 508 (Extended School Year for Certain Students with Individualized Education Programs)  
MSBA/MASA Model Policy 509 (Enrollment of Nonresident Students)

## MSBA/MASA Model Policy 521 (Student Disability Nondiscrimination)

## **RICHFIELD PUBLIC SCHOOLS**

*Adopted:* MSBA/MASA Model Policy 608

*Orig. 1995*

*Revised:* Rev. 2009

### **608 INSTRUCTIONAL SERVICES – SPECIAL EDUCATION OF PUPILS WITH DISABILITIES**

*[Note: The provisions of this policy substantially reflect statutory and regulatory requirements.]*

#### **I. PURPOSE**

The purpose of this policy is to set forth the position of the school board on the need ~~for to~~ provide special ~~education~~ educational services ~~on the part of to~~ some students in the school district.

#### **II. GENERAL STATEMENT OF POLICY**

The school board recognizes that some students need special education, and further recognizes the importance of providing a free, appropriate public education and delivery system for students in need of special education.

#### **III. RESPONSIBILITIES**

A. The school board accepts its responsibility to identify, evaluate, and provide special ~~instruction~~ education and related services for disabled children ~~with disabilities~~ who are properly the responsibility of the school district and who meet the criteria to qualify for special ~~instruction~~ education and related services as set forth in Minnesota and federal law.

B. The school district shall ensure that all qualified disabled children ~~with disabilities~~ are provided ~~the~~ special ~~instruction~~ education and related services which are appropriate to their educational needs.

C. When such services require or result from interagency cooperation, the school district shall participate in such interagency activities in compliance with ~~the~~ applicable federal and state law.

~~ADOPTED BY THE BOARD OF EDUCATION: February 2, 1984~~

~~AMENDED BY THE BOARD OF EDUCATION: July 21, 1986; January 22, 1991; June 15, 1998; August 4, 2003~~

REAFFIRMED BY THE BOARD OF EDUCATION: August 12, 2013

**Legal References:** Minn. Stat. ~~§ 124D.03~~ (Enrollment Options Program)  
Minn. Stat. ~~§ 125A.02~~ (Definition of Child ~~With~~with a Disability)  
~~Minn. Stat. §§ 125A.027 (District Obligations)~~  
~~Minn. Stat. § 125A.03~~  
~~Minn. Stat. § 125A.08~~  
~~Minn. Stat. § 125A.15~~  
~~Minn. Stat. , and 125A.29 (District Obligations)~~  
~~29 U.S.C. 794 et seq (504 of Rehabilitation Act of 1973)~~  
~~20 U.S.C. § 1400 et seq (IDEA, (Individuals with Disabilities~~  
~~Act Education Improvement Act of 2004)~~

**Cross References:** MSBA/MASA Model Policy 402 (Disability Nondiscrimination Policy)  
MSBA/MASA Model Policy 508 (Extended School Year for Certain  
Students with Individualized Education Programs)  
MSBA/MASA Model Policy 509 (Enrollment of Nonresident Students)  
MSBA/MASA Model Policy 521 (Student Disability Nondiscrimination)