



Independent School District #146
Buildings and Grounds Committee Meeting
9:00 AM on July 28, 2020
Barnesville High School
302 3rd Street South
Barnesville, MN 56379

1. New Business

A. Field Change Order (FCO) 11

Added guard rails to the Commons Area and Auditorium.

R.A. Morton & Associates Construction Managers

FIELD CHANGE ORDER #11

Date: 7/27/20

Project Name / Number: Brooklyn Center Secondary School

Does this change add cost to the contract? Yes

Charged to: Construction Contingency

Contractor performing extra work: Integrity Steel Supply LLC, BP-1 Base Bid 5A

Requested by: Multiple Bid Packs

Authorized by: Dan Goemann, Wendel

Reason for change: Integrity Steel is a Bid Pack 1 contractor. Bid Pack 2 added guard rails at Commons 170 and changed the guard rails at Auditorium 190 and Balcony 190B to a vertical picket type guard rail.

Description of changed work scope: Provide seven additional 1-line guard rails at Commons 170, change guard rail type at Auditorium 190 & Balcony 190B

Materials & Fabrication Labor: \$3,855.00

Attachment: Integrity Steel Supply Proposal for differences between BP-1 & BP-2 misc metals

Total Add: \$3,855.00



124 Gold Court
Mapleton, ND 58059
(P) 701-364-0333
(F) 701-282-9570



Proud to be an AISC Member

Est. #: J2457 BP2 Misc
Date: 7/27/2020
To: RA Morton
For: Barnesville Public Schools
Location: Barnesville, MN

Page 1 of 1

Items Included in Bid: BP#2 Misc. Metals **FCO #11**

- Additional (7) Primed 1-line guardrails @ #170 Commons
- Changed (1) guardrail @ #190 Auditorium to Vertical Picket Guardrail
- Changed (4) guardrails @ #190B Balcony to Vertical Picket Guardrail

For the Lump Sum of..... \$3,855.00
No Sales Tax Included

Qualifications: **Per Contract**

- Price is Valid for 30 days
- No Retainage Allowed
- Payment to **Integrity Steel Supply** is the Responsibility of the Customer & is NOT Contingent Upon Payment by the Owner. Payment is due for all Materials (Including Joist & Deck) Within 30 Days of Delivery

Exclusions:

- Field Measurements & Verifications
- All Light Gauge Steel, Framing, & Fasteners
- Concrete Reinforcement, Including @ Stair Pans/Landings

Please Sign and Return to the Address Above:

Signature _____

Date _____

Accepted **Declined**

- 2. Old Business
 - A. Proposal Request (PR) 6

Wendel**PROPOSAL REQUEST**

401 2nd Avenue North
Suite 206
Minneapolis, MN 55401

Phone: (612) 332-1401

No. 006

TITLE: *Plumbing Review Revisions*

DATE: 06/05/2020

PROJECT: *Barnesville Public Schools
Additions and Remodeling*

PROJECT NO: 478201

TO: Brad Bednar
RA Morton Construction Managers.
3315 Roosevelt Road, Suite 100
St. Cloud, MN 56301

An itemized proposal must be submitted for any modification or change in the Contract Sum and/or Contract Time of the Contract Documents described herein. Within Seven (7) days of the date of this Request for Proposal, the Contractor must either (i) submit an itemized proposal or (ii) notify the Architect in writing of the anticipated date on which the itemized proposal will be submitted.

THIS IS NOT A CHANGE ORDER, A CONSTRUCTION CHANGE DIRECTIVE OR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED IN THE PROPOSED MODIFICATIONS.

DESCRIPTION**ARCHITECTURAL**

1. Refer to revised sheet A-1250 – HS – Roof Plan
 - a. Revise scupper location and associated tapered insulation slopes.

PLUMBING

1. Refer to Obernel PR-06.

By: Nickisha Benjamin

Attachments: Obernel PR-06, A-1250, MD-1202, M-1202, M-1205, M-1212, M-1231, M-1232, M-2201, M-2211, M-2221, M-2531, M-4001

Cc: Don Emslander, Dan Goemann,
Dr. Jon Ellerbusch, Tom Gray

PROPOSAL REQUEST – PR 06

Date	06-05-2020
Project #	2019282
Project Name	Barnesville High School
Project Location	Barnesville, MN
Description	Minnesota Plumbing Plan Review Changes

Please submit an itemized quotation for the change(s) described below to the proposed modifications to the Contract Documents. Cost proposal to include a detailed itemized breakdown indicating the specific amounts, lengths, quantities, types, sizes, etc. of material including labor, O&P, taxes, and other incidental charges to be used. Proposal shall also indicate credits, deducts, and/or offsets for material and labor originally included in contract. THIS IS NOT A CHANGE ORDER OR DIRECTION TO PROCEED WITH WORK STATED HEREIN.

See attached sheets for revision to the science classroom area. EW/ES-1 shall be as follows:

EW/ES-1, Emergency Eye Wash/Shower Combination

All emergency eye/wash showers shall be packaged from the factory including all connecting piping between components. Field fabricated piping shall not be allowed. Speakman SE-1255, ABS plastic shower head, stainless steel receptor with face and eye wash spray heads. Push action stay open ball valve, chrome pull rod for shower, stainless steel push flag and foot treadle for face/eye wash, 1-1/2" stainless steel standard with floor flange and wall brace, universal combination emergency eye-wash and shower sign. Provide P-trap for connection of face/eye wash bowl into waste system. Furnish and install a Leonard Model TM-600, thermostatic mixing valve for each shower/eye wash. Controller shall be Chrome Plated finished thermostatic mixing valve with thermometer. Discharge temperature shall be set at 85°F. Provide integral stops and check valves for installation. Haws, Bradley, Encon, Stingray, Guardian, Speakman, Acorn (Murdock) are approved manufacturers.

One science lab sink, located in the Science prep room, 119, shall be provide with a point-of-use acid neutralization trap/tank. This tank shall be similar to a Striem Model LB-2 with integral trap. Unit shall have an internal trap. Sink shall be trapped and vented prior to discharging into the tank with chemical resistant piping as specified. Piping after tank may be as specified for waste and vent. Install per manufacturer recommendations.

PVC Pipe for Storm Water Piping inside and Buried: Remove reference standard of ASTM D3034.

Plan Clarification: WT-1 in room Storage 186 on page M-1225 is pointing to the water softener.

PROPOSAL REQUEST – PR 06

Date	06-05-2020
Project #	2019282
Project Name	Barnesville Elementary School
Project Location	Barnesville, MN
Description	Minnesota Plumbing Plan Review Changes

Please submit an itemized quotation for the change(s) described below to the proposed modifications to the Contract Documents. Cost proposal to include a detailed itemized breakdown indicating the specific amounts, lengths, quantities, types, sizes, etc. of material including labor, O&P, taxes, and other incidental charges to be used. Proposal shall also indicate credits, deducts, and/or offsets for material and labor originally included in contract. THIS IS NOT A CHANGE ORDER OR DIRECTION TO PROCEED WITH WORK STATED HEREIN.

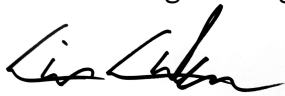
PVC Pipe for Storm Water Piping inside and Buried: Remove reference standard of ASTM D3034.

Overflow Roof Drains shall be as follows:

Lacquered cast iron body and clamp collar and bottom clamp ring; pipe extended to [2] inches above flood elevation.

Provide overflow roof drains equal to Josam 21500-16 or MIFAB R-1200-W2. No other manufacturers shall be acceptable.

Respectfully,
Obernel Engineering

A handwritten signature in black ink, appearing to read "Erik Aakhus".

Erik Aakhus

Attachment(s):

Cc:



BARNESVILLE PUBLIC SCHOOLS

BARNESVILLE, MINNESOTA

ADDITIONS AND REMODELING

BID PACKAGE 2



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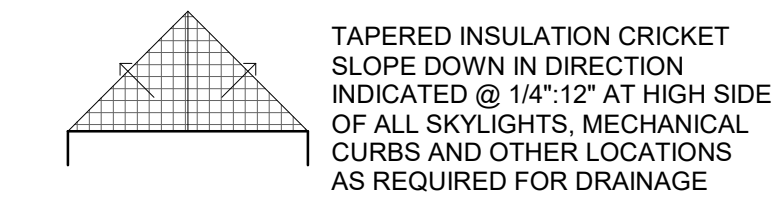
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ROOF PLAN LEGEND/SYMBOLS

- RD ROOF DRAIN
- ORD OVERFLOW ROOF DRAIN
- RH ROOF HATCH
- SC SCUPPER
- DS DOWNSPOUT
- OS OVERFLOW SCUPPER
- VS VENT STACK BY MECH. REFER TO 12/A-1430
- CH CONDUCTOR HEAD
- RTU ROOF TOP UNIT BY MECH
- XRTU EXISTING ROOF TOP UNIT
- CC CONDENSING UNIT BY MECH
- RHP ROOF HIGH POINT
- SH SMOKE HATCH BY MECH
- EF EXHAUST FAN BY MECH
- EJ EXPANSION JOINT

SLOPE DN IN DIRECTION INDICATED
1/4" : 12"



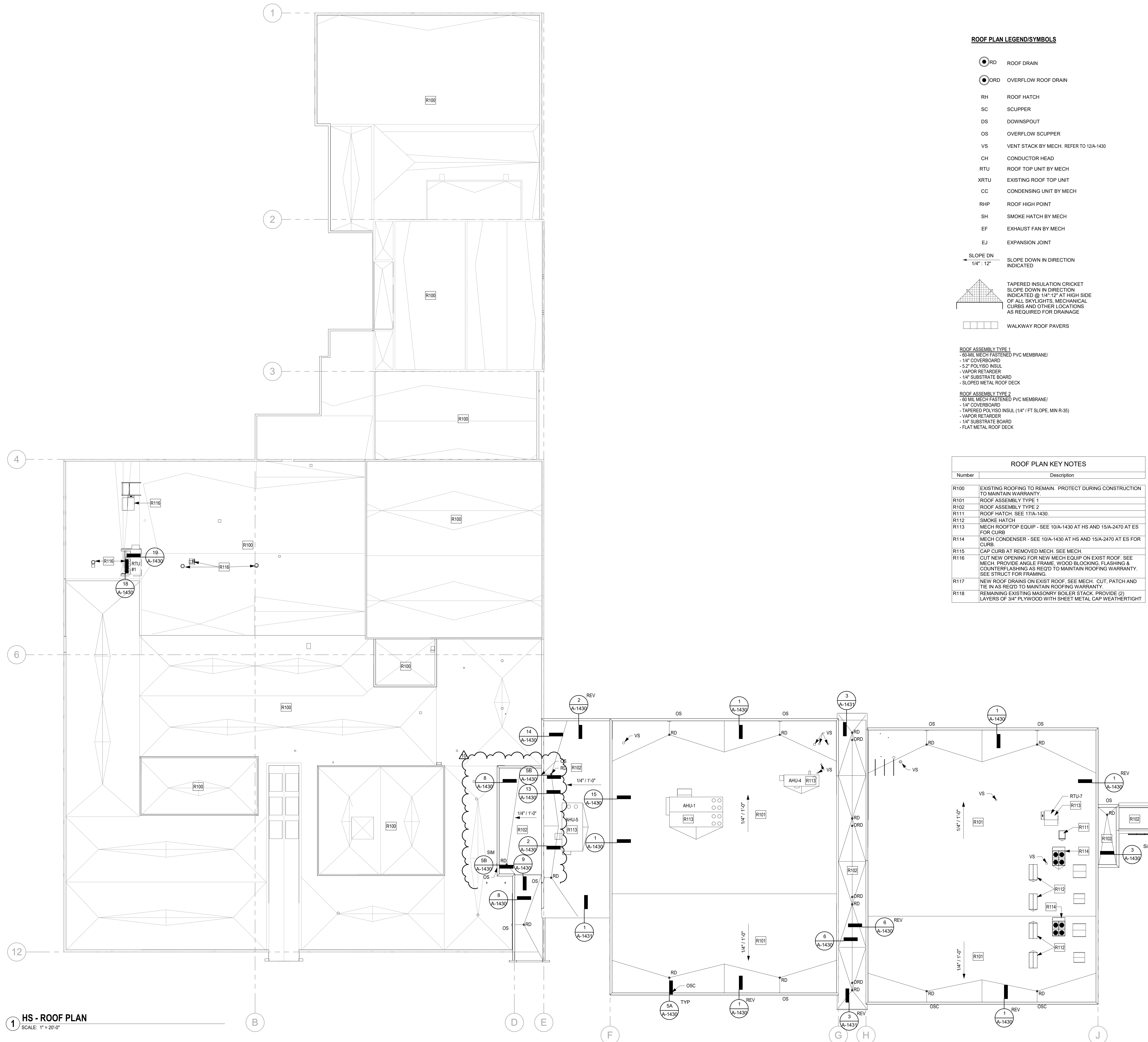
WALKWAY ROOF PAVERS

ROOF ASSEMBLY TYPE 1
 - 60 MIL MECH FASTENED PVC MEMBRANE/
 - 1/4" COVERBOARD
 - 5/2" POLYISO INSUL
 - VAPOR RETARDER
 - 1/4" SUBSTRATE BOARD
 - SLOPED METAL ROOF DECK

ROOF ASSEMBLY TYPE 2
 - 60 MIL MECH FASTENED PVC MEMBRANE/
 - 1/4" COVERBOARD
 - TAPERED POLYISO INSUL (1/4" / FT SLOPE, MIN R-35)
 - VAPOR RETARDER
 - 1/4" SUBSTRATE BOARD
 - FLAT METAL ROOF DECK

ROOF PLAN KEY NOTES

Number	Description
R100	EXISTING ROOFING TO REMAIN. PROTECT DURING CONSTRUCTION TO MAINTAIN WARRANTY.
R101	ROOF ASSEMBLY TYPE 1
R102	ROOF ASSEMBLY TYPE 2
R111	ROOF HATCH. SEE 17/A-1430.
R112	SMOKE HATCH
R113	MECH ROOFTOP EQUIP - SEE 10/A-1430 AT HS AND 15/A-2470 AT ES FOR CURB
R114	MECH CONDENSER - SEE 10/A-1430 AT HS AND 15/A-2470 AT ES FOR CURB.
R115	CAP CURB AT REMOVED MECH. SEE MECH.
R116	CUT NEW OPENING FOR NEW MECH EQUIP ON EXIST ROOF. SEE MECH. PROVIDE ANGLE FRAME, WOOD BLOCKING, FLASHING & COUNTERFLASHING AS REQD TO MAINTAIN ROOFING WARRANTY. SEE STRUCT FOR FRAMING.
R117	NEW ROOF DRAINS ON EXIST ROOF. SEE MECH. CUT, PATCH AND TIE IN AS REQD TO MAINTAIN ROOFING WARRANTY.
R118	REMAINING EXISTING MASONRY BOILER STACK. PROVIDE (2) LAYERS OF 3/4" PLYWOOD WITH SHEET METAL CAP WEATHERTIGHT



1 HS - ROOF PLAN
SCALE: 1" = 20'-0"

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

Architect JAMES A. WILSON

Date 3/27/2020 Reg No. 18111

NOTE

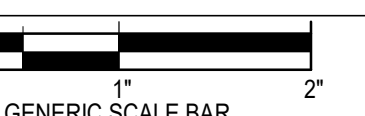
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REVISIONS

NO.	DATE	REVISION
5	04/22/2020	ADDENDUM #3
10	06/05/2020	FR #6

DWG TITLE

HS - ROOF PLAN



SCALE SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE 03-27-2020

SCALE As indicated

DWN. Author CHK. Checker

PROJ. No. 476201

DWG. No.

A-1250

PLUMBING SHEET NOTES:

P1 DISCONNECT AND REMOVE EXISTING SANITARY WASTE AND VENT PIPING INCLUDING ALL FITTINGS, HANGERS, SUPPORTS, ETC. PREPARE REMAINING PIPING FOR CONNECTION TO NEW, CAP ANY ABANDONED PIPES.

P2 DISCONNECT AND REMOVE EXISTING DOMESTIC WATER PIPING INCLUDING ALL VALVES, FITTINGS, INSULATION, ETC. PREPARE REMAINING PIPING FOR CONNECTION TO NEW, CAP PIPING THAT IS TO NOT BE EXTENDED.

P3 DISCONNECT AND REMOVE EXISTING GAS PIPING INCLUDING ALL FITTINGS, HANGERS, VALVES, ETC. PREPARE REMAINING PIPING FOR CONNECTION TO NEW, CAP PIPING THAT IS TO NOT BE EXTENDED.



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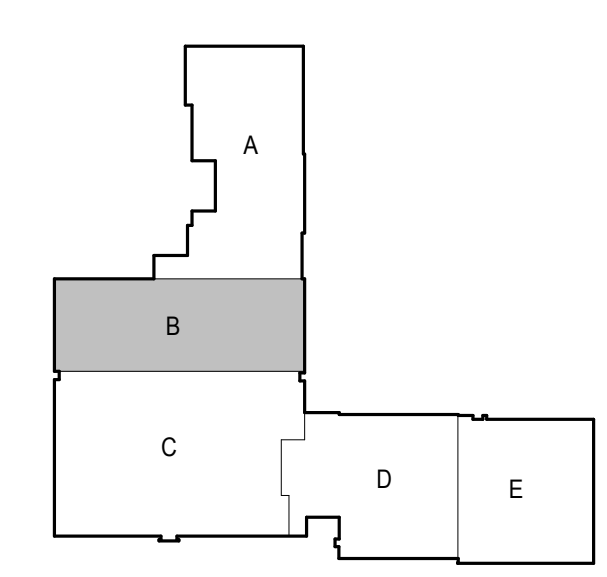
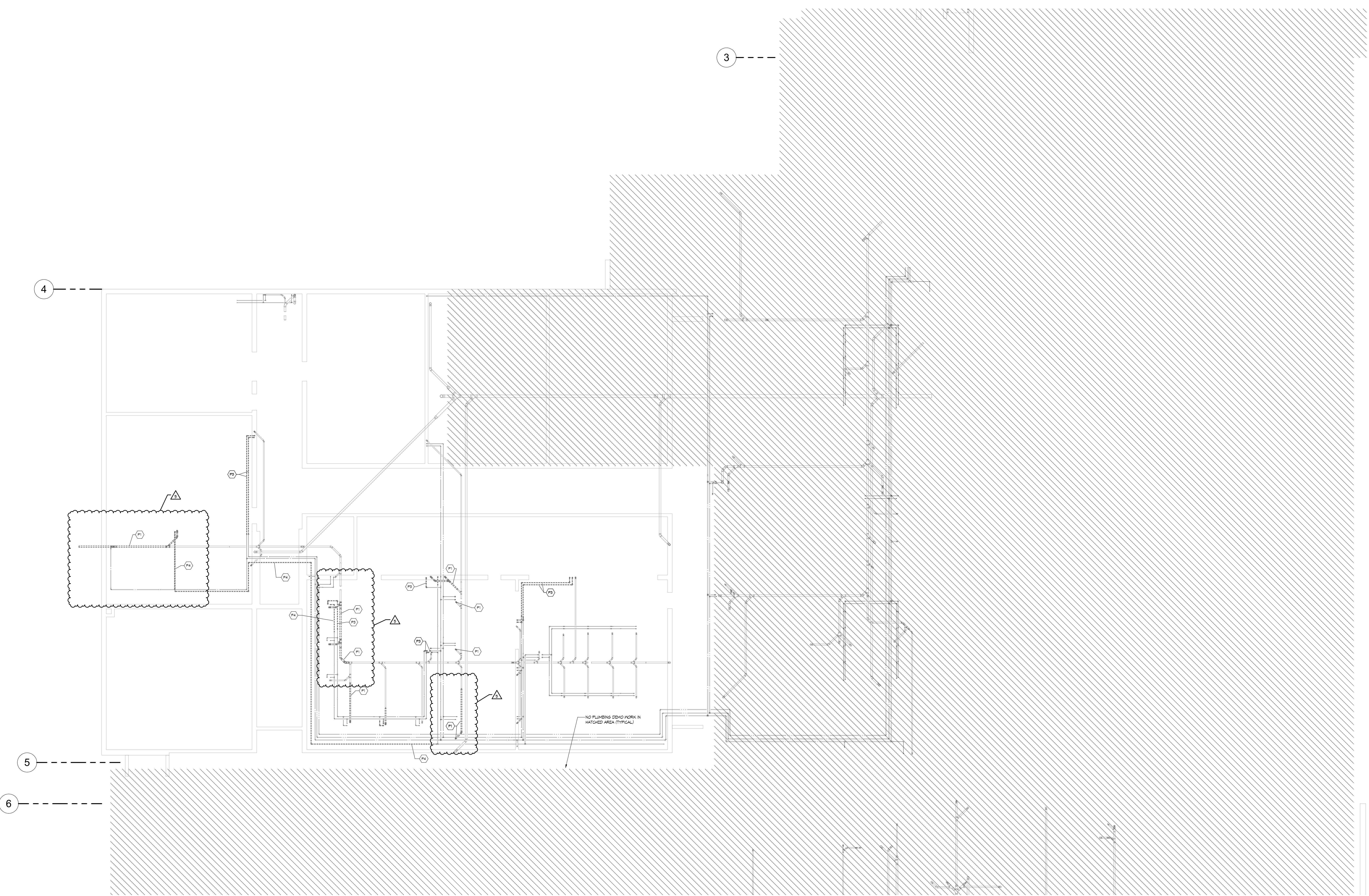
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Engineer **ERIK AAKHUS**

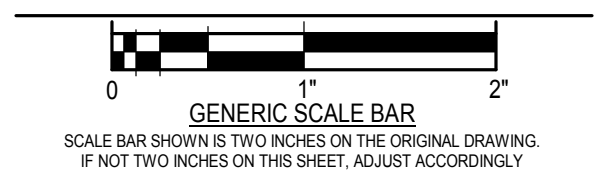
Erik Aakhus

Date 06/05/2020 Reg. No. 57315

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NO.	DATE	REVISION
1	04/16/20	ADDENDUM#2
5	5/21/20	PR#6

DWG. TITLE
H.S. - FOUNDATION DEMOLITION PLAN - AREA B - PLUMBING



DATE 3/27/2020
SCALE As indicated
DWN. JLN, BJP, TPB CHK. ESA
PROJ. No. 2019282
DWG. No.

FOUNDATION PLAN - PLUMBING DEMOLITION - AREA B
SCALE: 1/8" = 1'-0"



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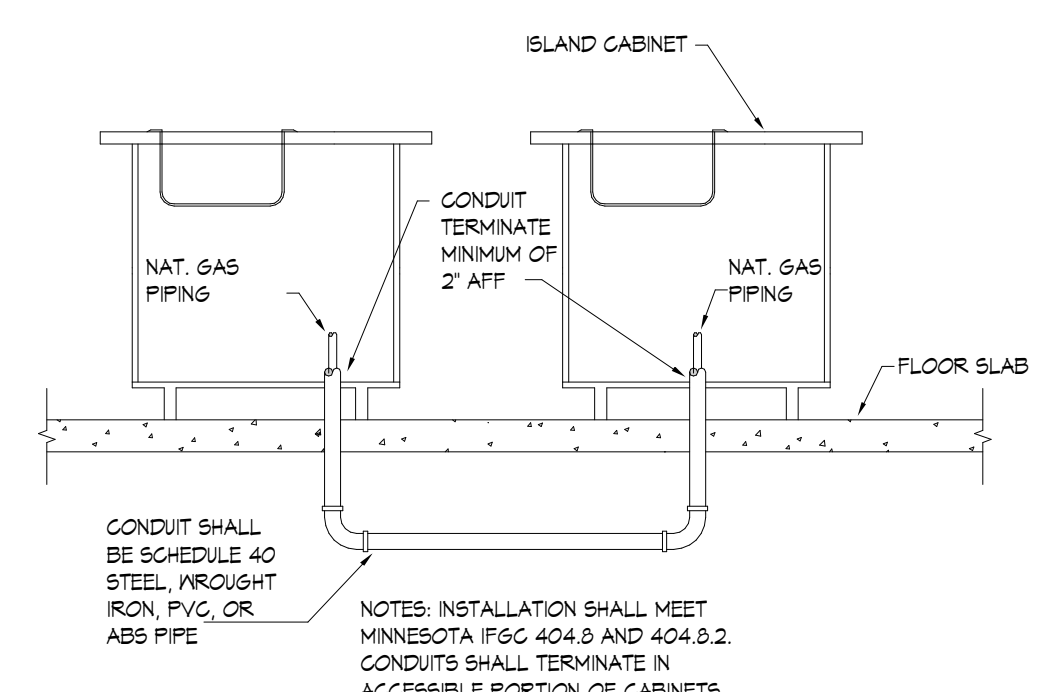
PLUMBING SHEET NOTES:

- P12 1/2" NS UP TO CABINET; ROUTE 1/2" NS IN CABINET TO GAS TURRET; NOT UNDER GROUND.
- P13 1/2" NS UP TO CABINET BASE; 1/2" TO GAS TURRET ON THIS CABINET; 1/2" IN TO LAB STATION TO NEW LAB STATION; PROVIDE CONDUIT PER CODE FROM THIS LAB SPACE TO NEXT LAB SPACE TO ROUTE PIPING IN.
- P14 1/2" NS UP FROM EXISTING LINE TO CABINET; ROUTE NS TO GAS TURRETS AND FUME HOOD IN THE CABINETS.
- P15 1/2" NS IN CONDUIT; SEE MINNESOTA FUEL AND GAS CODE 404.8.2.

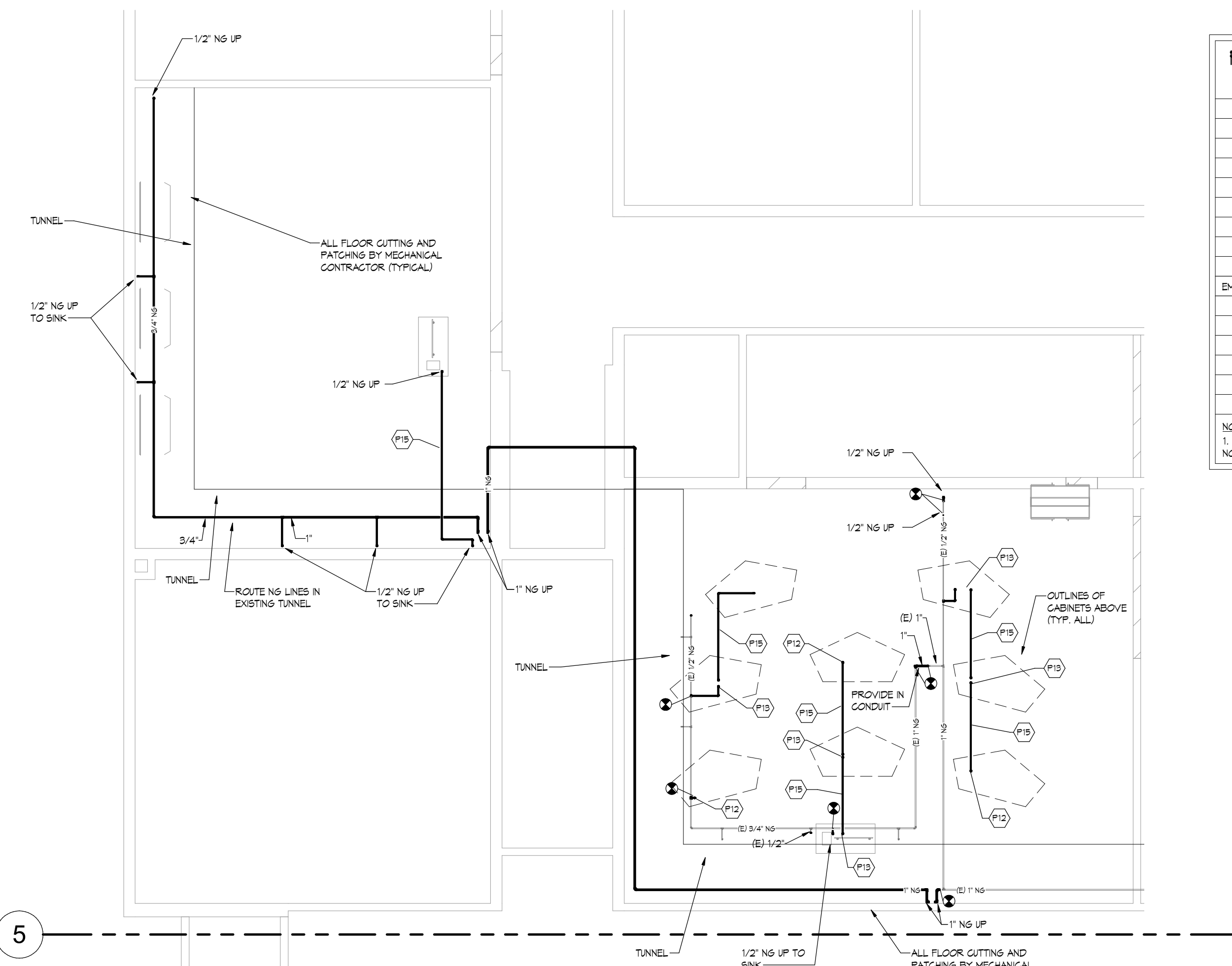
PLUMBING FIXTURE ROUGH-IN CONNECTION SCHEDULE

FIXTURE	WASTE	VENT	GA	HA
WALL HYDRANT	-	-	3/4"	-
CLEAN OUT	4"	-	-	-
FLOOR DRAIN	2"	2"	-	-
FLOOR SINK	2"	2"	-	-
LAVATORY	2"	2"	1/2"	1/2"
WATER CLOSET (FV)	4"	2"	1"	-
URINAL	2"	2"	3/4"	-
SHOWER	2"	2"	3/4"	3/4"
EMERG. EYE WASH/SHOWER	2"	2"	3/4"	3/4"
SINK	2"	2"	1/2"	1/2"
ENC	2"	2"	1/2"	-
MIXING VALVE	-	-	3/4"	3/4"
HOP BASIN	3"	2"	3/4"	3/4"
HOSE BIBB	-	-	3/4"	-
WASH MACHINE TRIM	2"	2"	3/4"	3/4"

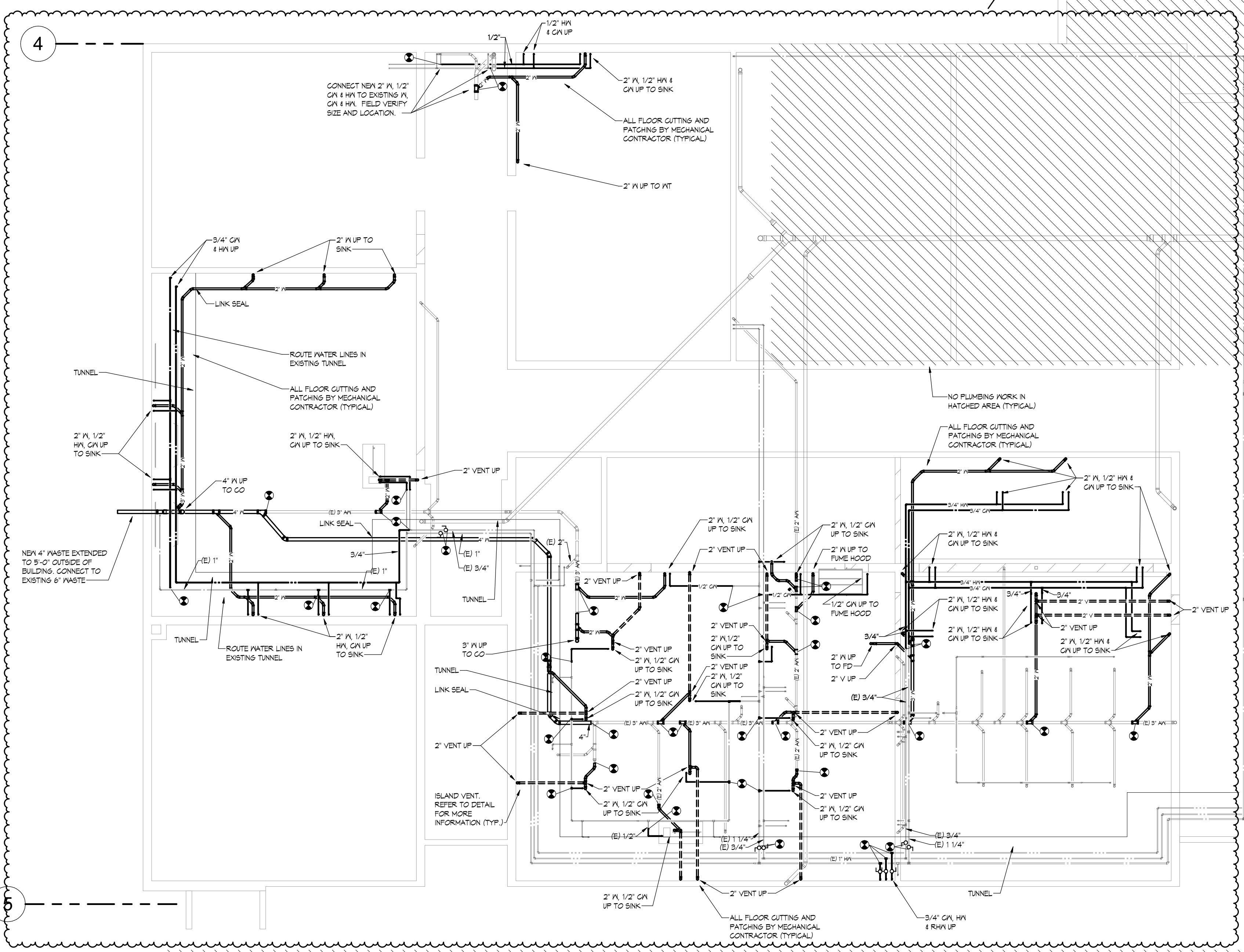
NOTES:
1. SIZES SHALL BE AS SCHEDULED UNLESS OTHERWISE NOTED ON DRAWINGS.



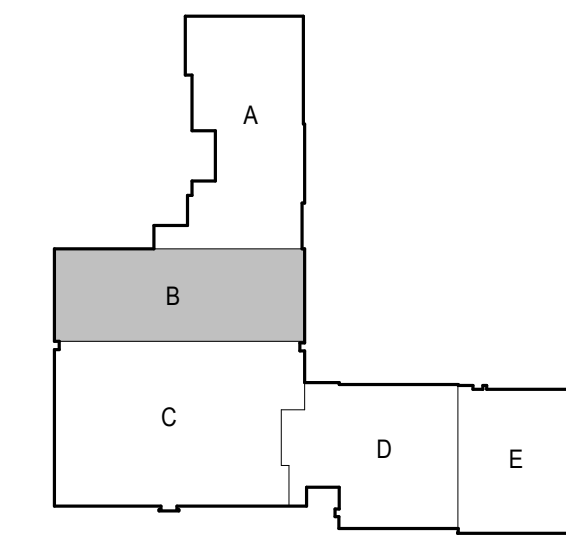
3 UNDERGROUND NATURAL GAS DETAIL
SCALE: NTS



2 FOUNDATION PLAN - NATURAL GAS PIPING - PARTIAL AREA B
SCALE: 1/8" = 1'-0"



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



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Engineer: ERIK AAKHUS

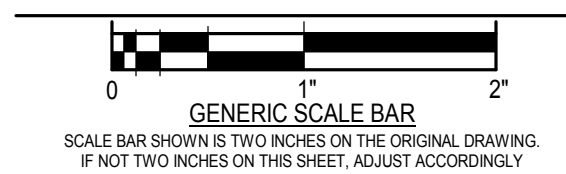
Date: 06/05/2020 Reg. No.: 57315

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REVISIONS

NO.	DATE	REVISION
1	04/16/20	ADDENDUM#2
4	5/20/20	PR#5
5	5/21/20	PR#6

DWG. TITLE:
H.S. - FOUNDATION PLAN - AREA B - PLUMBING



DATE: 3/27/2020
SCALE: As indicated
DWN: JLN, BJP, TPB CHK: ESA
PROJ. No.: 2019282
DWG. No.:

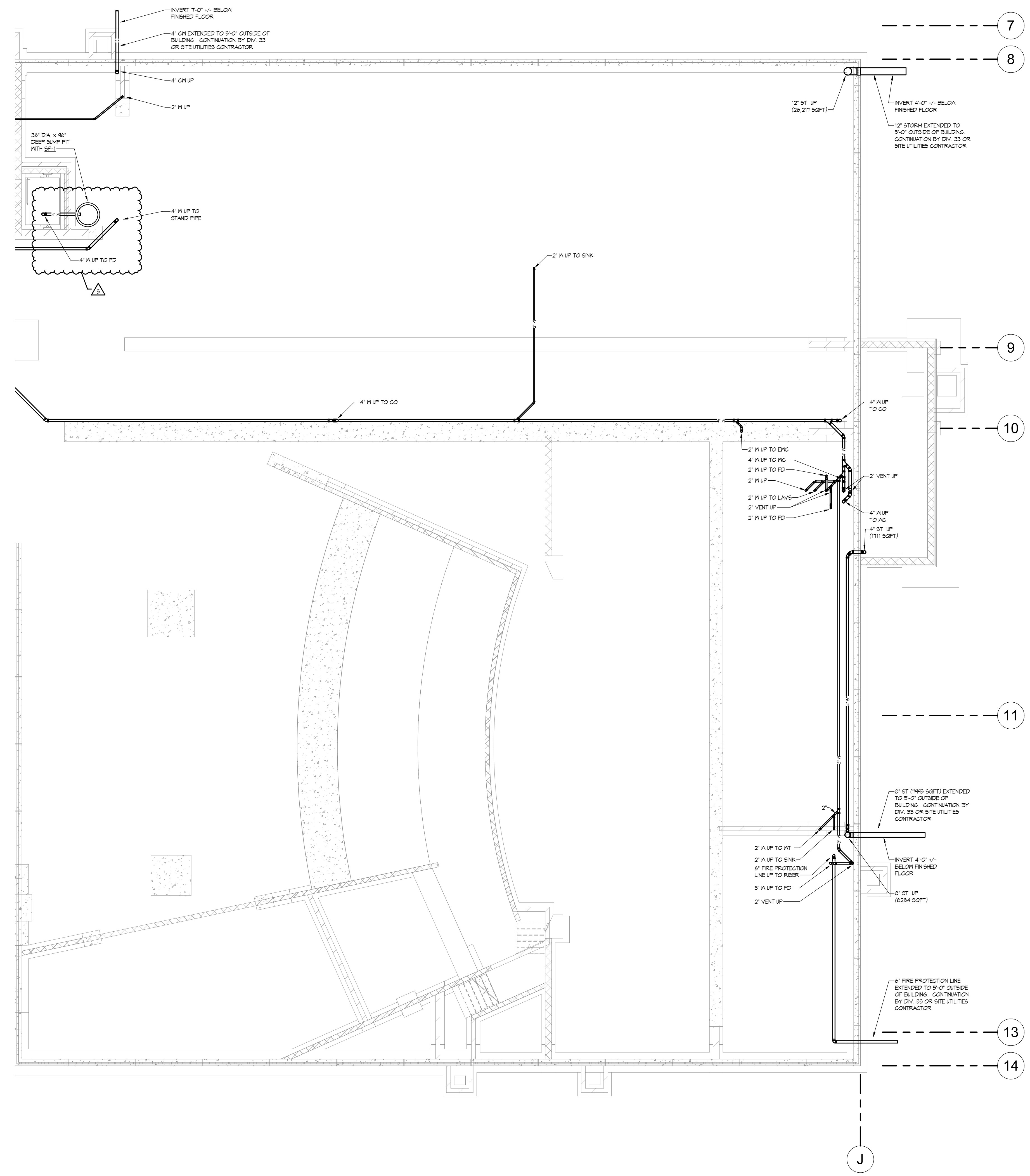
M-1202

H

PLUMBING FIXTURE ROUGH-IN CONNECTION SCHEDULE

FIXTURE	WASTE	VENT	GV	HP
WALL HYDRANT	-	-	3/4"	-
FLOOR DRAIN	4"	-	-	-
FLOOR SINK	2"	2"	-	-
LAVATORY	2"	2"	1/2"	1/2"
WATER CLOSET (FV)	4"	2"	1"	-
URNAL	2"	2"	3/4"	-
SHOWER	2"	2"	3/4"	3/4"
EMERG. EYE WASH/SHOWER	2"	2"	3/4"	3/4"
SINK	2"	2"	1/2"	1/2"
ENG.	2"	2"	1/2"	-
MIXING VALVE	-	-	3/4"	3/4"
HOP BASIN	3"	2"	3/4"	3/4"
HOSE BIBB	-	-	3/4"	-
WASH MACHINE TRIM	2"	2"	3/4"	3/4"

NOTES:
1. SIZES SHALL BE AS SCHEDULED UNLESS OTHERWISE NOTED ON DRAWINGS.



1 FOUNDATION PLAN - PLUMBING - AREA E
SCALE: 1/8" = 1'-0"



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BARNESVILLE, MINNESOTA

ADDITIONS AND REMODELING

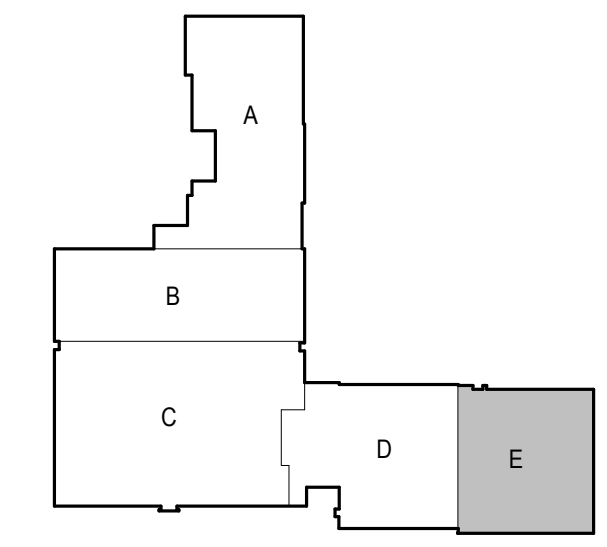
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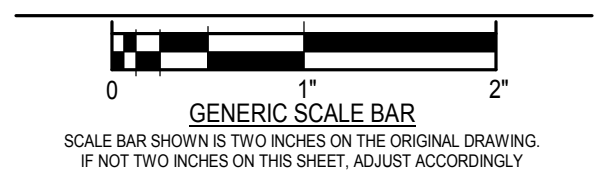
Engineer ERIK AAKHUS

Erik Aakhus
Date 06/05/2020 Reg. No. 57315

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NO.	DATE	REVISION
5	5/21/20	PR#6

DWG. TITLE
H.S. - FOUNDATION PLAN - AREA E - PLUMBING



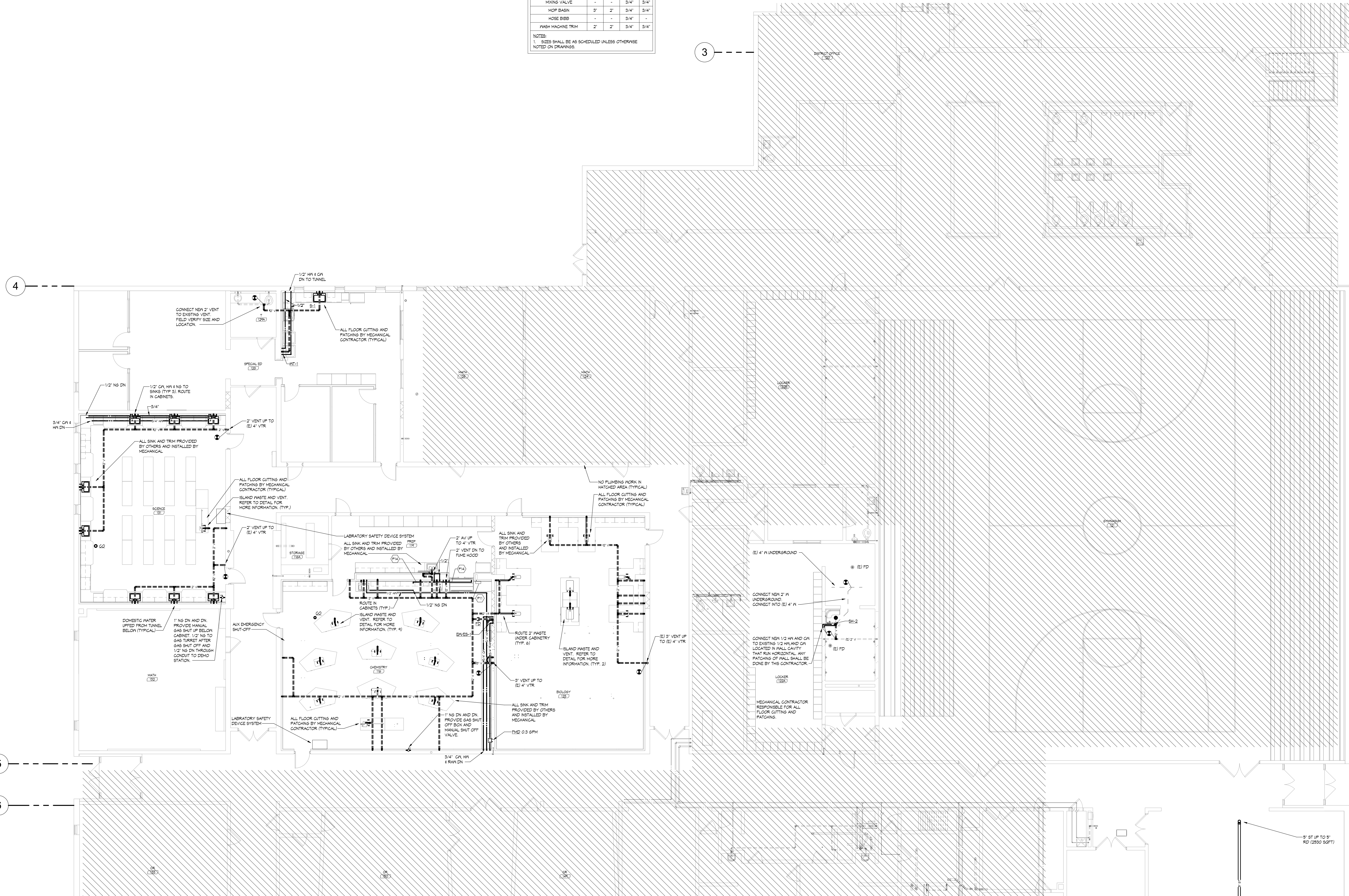
DATE 3/27/2020
SCALE As indicated
DWN. J.N., B.J.P., T.P.B. CHK. ESA
PROJ. No. 2019282
DWG. No.

M-1205

PLUMBING SHEET NOTES:
 P11 ROUTE 1/2" CN THROUGH VACUUM BREAKER ASSEMBLY SIMILAR TO P-012-00-P PRIOR TO ENTERING FUME HOOD
 P14 1/2" NS UP FROM EXISTING LINE TO CABINET. ROUTE NS TO GAS TURRETS AND FUME HOOD IN THE CABINETS.

FIXTURE	WASTE	VENT	CA	HR
WALL HYDRANT	-	-	3/4"	-
CLEAN OUT	4"	-	-	-
FLOOR DRAIN	2"	2"	-	-
FLOOR SINK	2"	2"	-	-
LAVATORY	2"	2"	1/2"	1/2"
WATER CLOSET (F.V.)	4"	2"	1"	-
URNAL	2"	2"	3/4"	-
SHOWER	2"	2"	3/4"	3/4"
BIENS. EYE WASH/SHOWER	2"	2"	3/4"	3/4"
SINK	2"	2"	1/2"	1/2"
ENC.	2"	2"	1/2"	-
MIXING VALVE	-	-	3/4"	3/4"
MOP BASK	3"	2"	3/4"	3/4"
HOSE BBB	-	-	3/4"	-
WASH MACHINE TRM	2"	2"	3/4"	3/4"

NOTES:
 1. SIZES SHALL BE AS SCHEDULED UNLESS OTHERWISE NOTED ON DRAWINGS.



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



BARNESVILLE PUBLIC SCHOOLS

BARNESVILLE, MINNESOTA

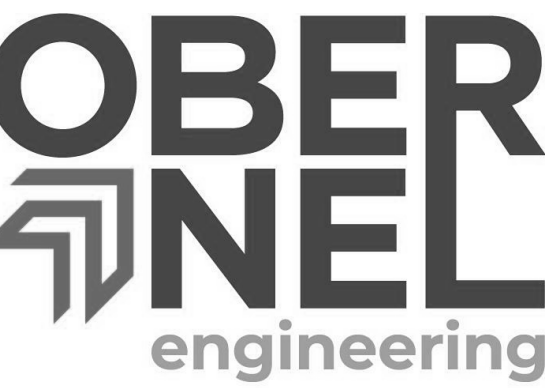
ADDITIONS AND REMODELING

CONSTRUCTION DOCUMENTS

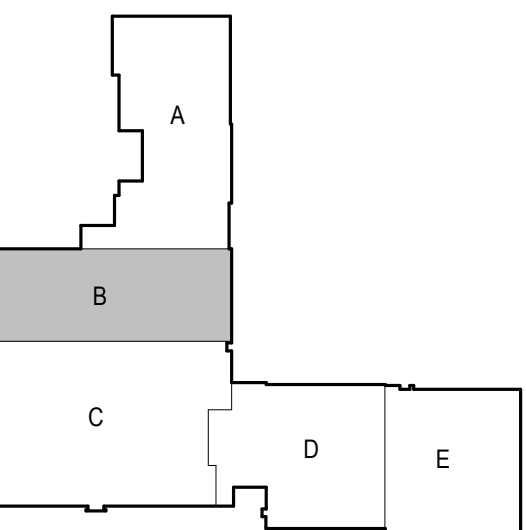


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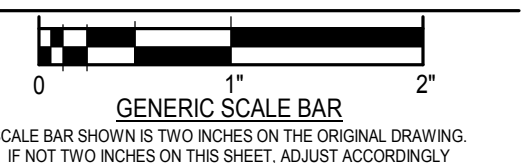
Engineer Erik Aakhus

Erik Aakhus
 Date June 8, 2020 Reg. No. 57315

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NO.	DATE	REVISION
1	04/16/20	ADDENDUM#2
2	04/22/20	ADDENDUM#3
4	5/20/20	PR#5
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DWG. TITLE
H.S. - FIRST FLOOR PLAN - AREA B - PLUMBING

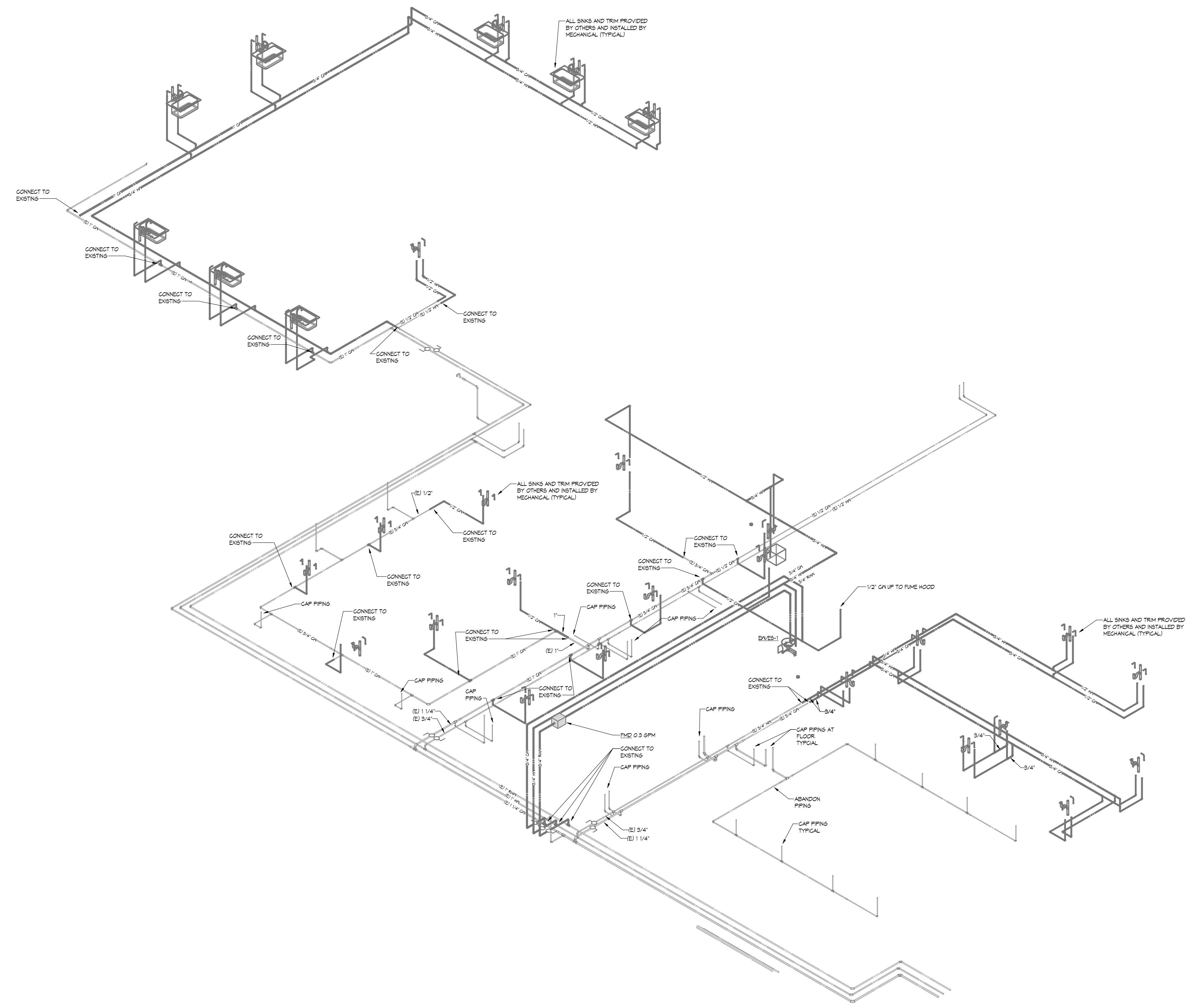


DATE	3/27/2020
SCALE	As indicated
DWN.	JUN, BJP, TPB
CHK.	ESA
PROJ. No.	2019282
DWG. No.	

M-1212

PLUMBING FIXTURE ROUGH-IN CONNECTION SCHEDULE				
FIXTURE	WASTE	VENT	GN	HN
WALL HYDRANT	-	-	3/4"	-
CLEAN OUT	4"	-	-	-
FLOOR DRAIN	2"	2"	-	-
FLOOR SINK	2"	2"	-	-
LAVATORY	2"	2"	1/2"	1/2"
WATER CLOSET (FV)	4"	2"	1"	-
URINAL	2"	2"	3/4"	-
SHOWER	2"	2"	3/4"	3/4"
SHOWER, EYE WASH/SHOWER	2"	2"	3/4"	3/4"
SINK	2"	2"	1/2"	1/2"
DWC	2"	2"	1/2"	-
MIXING VALVE	-	-	3/4"	3/4"
HOP BASIN	3"	2"	3/4"	3/4"
HOSE BIBB	-	-	3/4"	-
WASH MACHINE TRIM	2"	2"	3/4"	3/4"

NOTES:
1. SIZES SHALL BE AS SCHEDULED UNLESS OTHERWISE NOTED ON DRAWINGS.



1 M-1231 DOMESTIC WATER RISER HS SCIENCE ROOMS
SCALE: NTS



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ADDITIONS AND REMODELING
CONSTRUCTION DOCUMENTS



401 North Second Avenue, Suite 206
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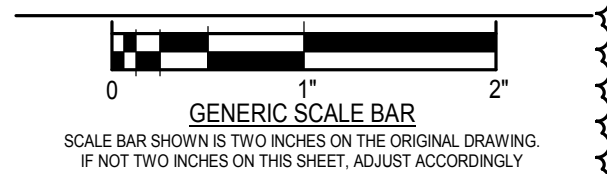
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Engineer: ERIK AAKHUS

Date: 06/05/2020 Reg. No.: 57315

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NO.	DATE	REVISION
5	5/21/20	PR#6

DWG. TITLE:
PLUMBING RISERS



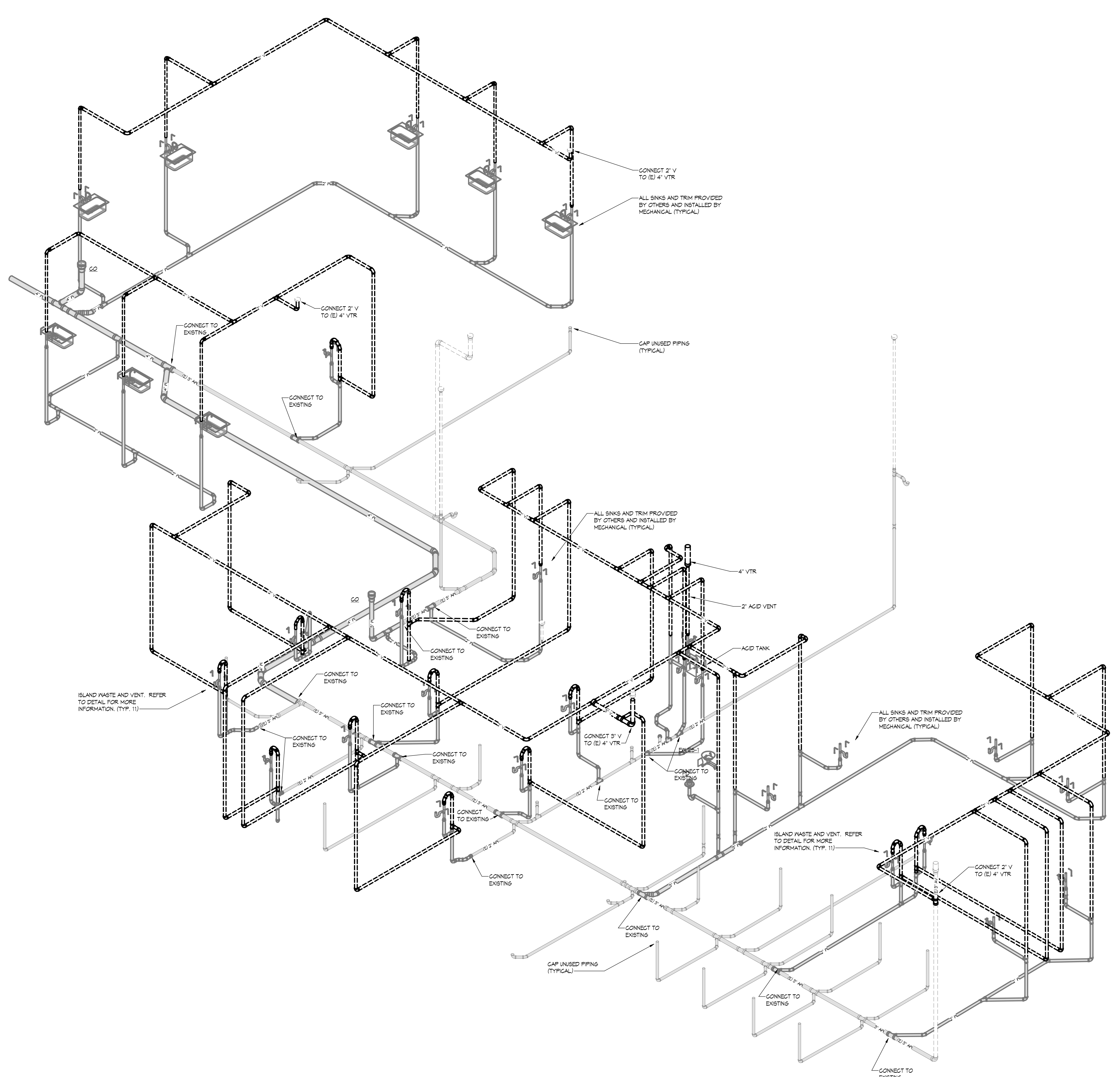
DATE: 3/27/2020
SCALE: 1/8" = 1'-0"
DWN: Author
CHK: Checker
PROJ. No.: 2019282
DWG. No.:

M-1231

PLUMBING FIXTURE ROUGH-IN CONNECTION SCHEDULE

FIXTURE	WASTE	VENT	GV	HW
HALL HYDRANT	-	-	3/4"	-
CLEAN OUT	4"	-	-	-
FLOOR DRAIN	2"	2"	-	-
FLOOR SINK	2"	2"	-	-
LAVATORY	2"	2"	1/2"	1/2"
WATER CLOSET (F.V.)	4"	2"	1"	-
URNAL	2"	2"	3/4"	-
SHOWER	2"	2"	3/4"	3/4"
EMERG. EYE WASH/SHOWER	2"	2"	3/4"	3/4"
SINK	2"	2"	1/2"	1/2"
DVG	2"	2"	1/2"	-
MIXING VALVE	-	-	3/4"	3/4"
HOP BASIN	3"	2"	3/4"	3/4"
HOSE BIBB	-	-	3/4"	-
WASH MACHINE TRM	2"	2"	3/4"	3/4"

NOTES:
1. SIZES SHALL BE AS SCHEDULED UNLESS OTHERWISE NOTED ON DRAWINGS.



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Engineer Erik Aakhus
Erik Aakhus

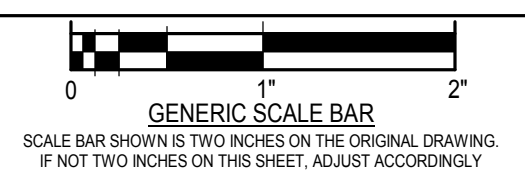
Date June 8, 2020 Reg. No. 57315

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REVISIONS

NO.	DATE	REVISION
5	5/21/20	PR#6

DWG. TITLE
PLUMBING RISERS

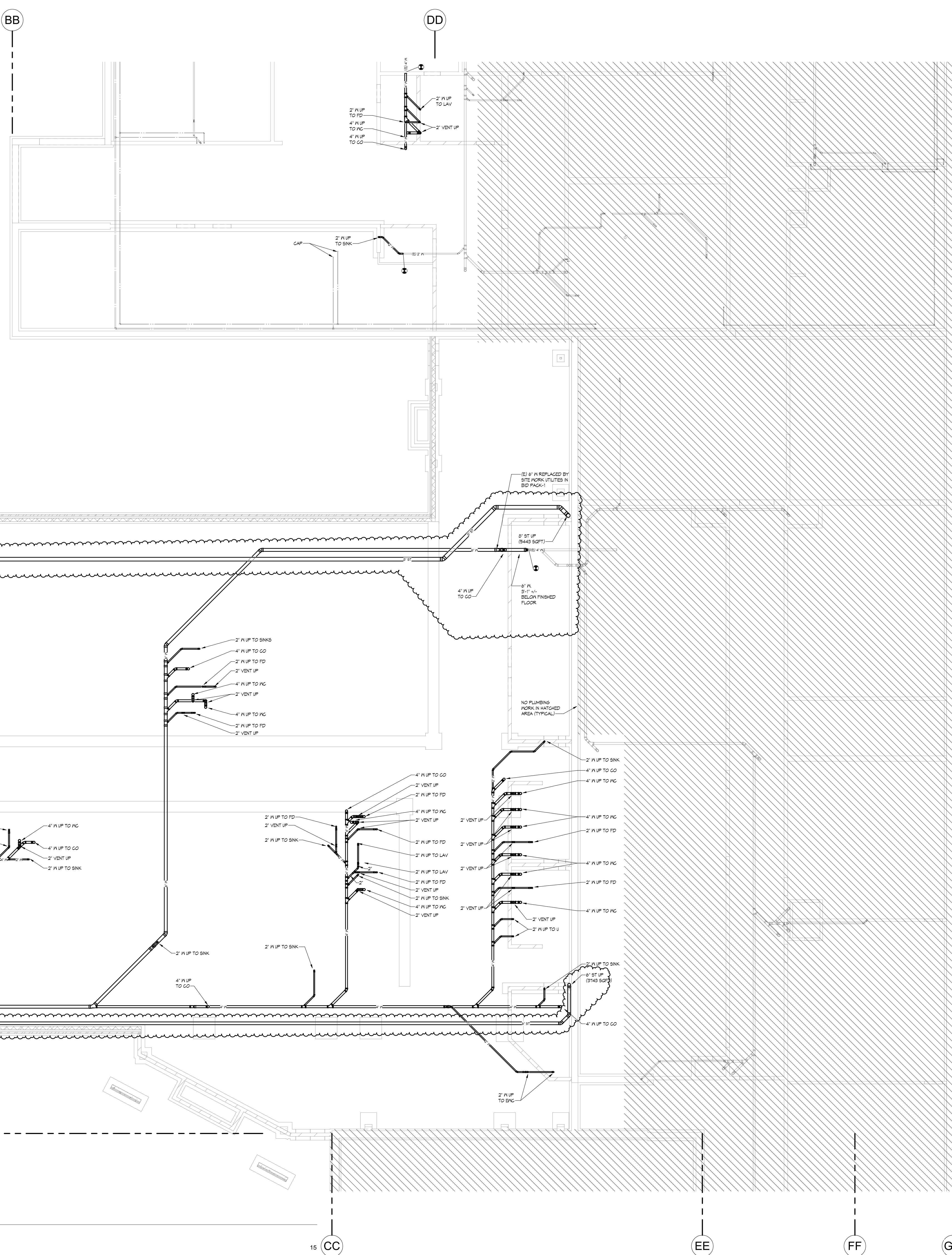


DATE 3/27/2020
SCALE 1/8" = 1'-0"
DWN. Author CHK. Checker
PROJ. No. 2019282
DWG. No.

M-1232

PLUMBING FIXTURE ROUGH-IN CONNECTION SCHEDULE					
FIXTURE	WASTE	VENT	GA	HA	
WALL HYDRANT	-	-	3/4"	-	-
CLEAN OUT	4"	-	-	-	-
FLOOR DRAIN	2"	2"	-	-	-
FLOOR SINK	2"	2"	-	-	-
LABATORY	2"	2"	1/2"	1/2"	-
WATER CLOSET (P.V.)	4"	2"	1"	-	-
URINAL	2"	2"	3/4"	-	-
SHOWER	2"	2"	3/4"	3/4"	-
EMERG. EYE WASH/SHOWER	2"	2"	3/4"	3/4"	-
SINK	2"	2"	1/2"	1/2"	-
SPK	2"	2"	1/2"	-	-
MIXING VALVE	-	-	3/4"	3/4"	-
MGP BASIN	3"	2"	3/4"	3/4"	-
HOSE BIBB	-	-	3/4"	-	-
WASH MACHINE TRM	2"	2"	3/4"	3/4"	-

NOTES:
1. SIZES SHALL BE AS SCHEDULED UNLESS OTHERWISE NOTED ON DRAWINGS.



102

103

104

105

106

107

AA

BB

DD

15 CC

EE

FF

GG

1 FOUNDATION PLAN - PLUMBING - AREA G
SCALE: 1/8" = 1'-0"



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ADDITIONS AND REMODELING

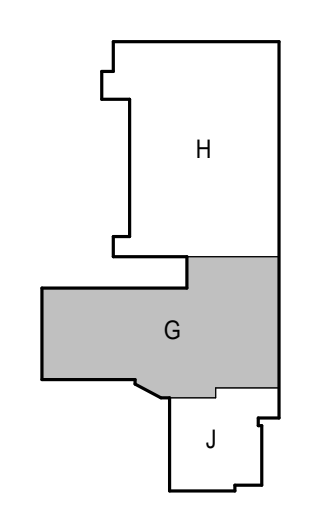
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Engineer ERIK AAKHUS

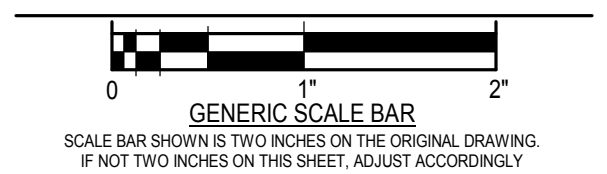
Erik Aakhus

Date 06/05/2020 Reg. No. 57315

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NO.	DATE	REVISION
5	5/21/20	PR#6

DWG. TITLE
E.S. - FOUNDATION PLAN - AREA G - PLUMBING



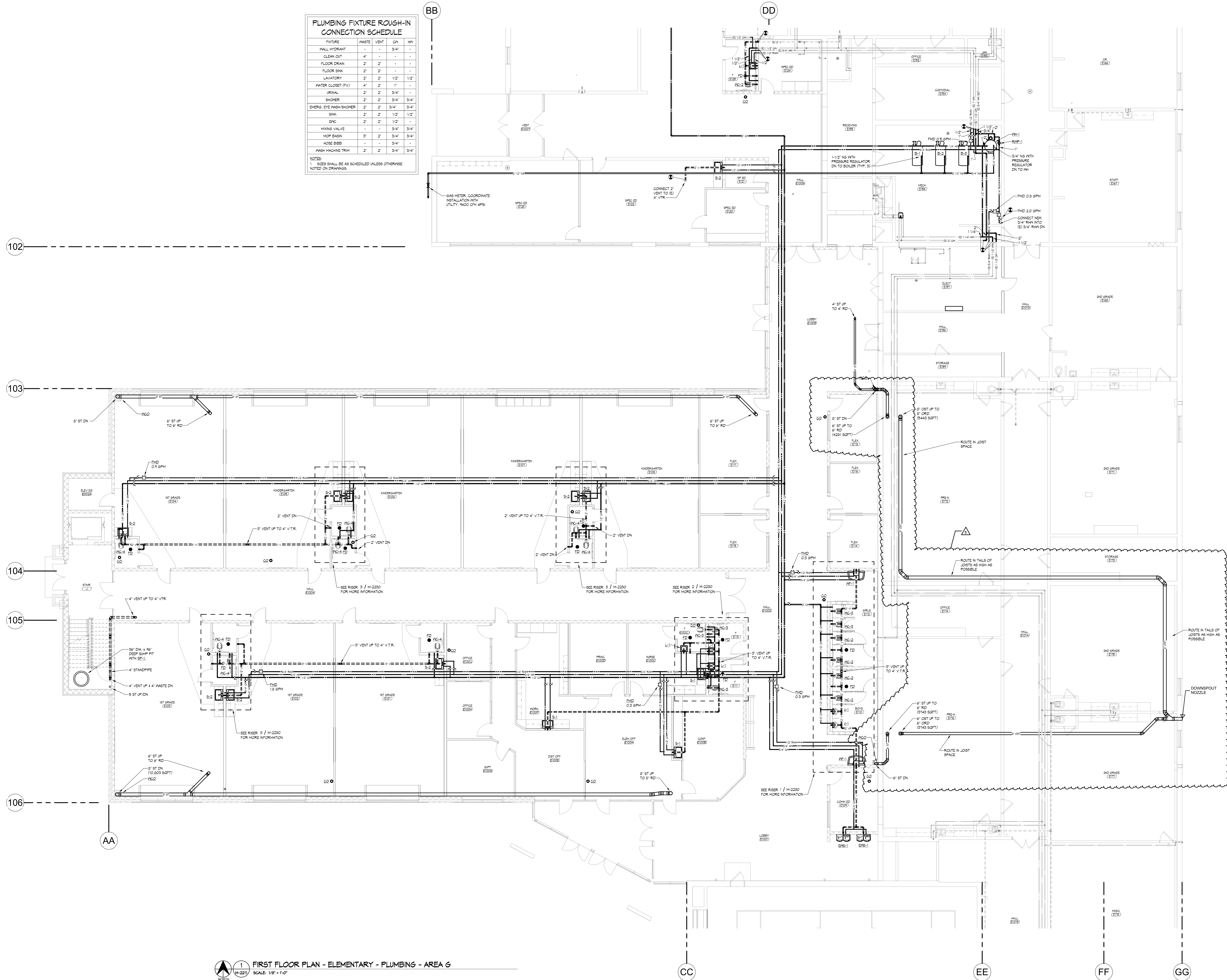
DATE 3/27/2020
SCALE As indicated
DWN. J.N., B.J.P., T.P.B. CHK. ESA
PROJ. No. 2019282
DWG. No.

M-2201

PLUMBING FIXTURE ROUGH-IN CONNECTION SCHEDULE

FIXTURE	WASTE	VENT	DN	HN
HALL HYDRANT	-	-	3/4"	-
CLEAN OUT	4"	-	-	-
FLOOR DRAIN	2"	2"	-	-
FLOOR SINK	2"	2"	-	-
LAVATORY	2"	2"	1/2"	1/2"
WATER CLOSET (FV)	4"	2"	1"	-
URINAL	2"	2"	3/4"	-
SHOWER	2"	2"	3/4"	3/4"
EMERG. EYE WASH/SHOWER	2"	2"	3/4"	3/4"
SINK	2"	2"	1/2"	1/2"
DNK	2"	2"	1/2"	-
MIXING VALVE	-	-	3/4"	3/4"
MOP BASIN	3"	2"	3/4"	3/4"
HOSE BIBB	-	-	3/4"	-
WASH MACHINE TRM	2"	2"	3/4"	3/4"

NOTES:
1. SIZES SHALL BE AS SCHEDULED UNLESS OTHERWISE NOTED ON DRAWINGS.



1 FIRST FLOOR PLAN - ELEMENTARY - PLUMBING - AREA G
M-2211 SCALE: 1/8" = 1'-0"



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ADDITIONS AND REMODELING

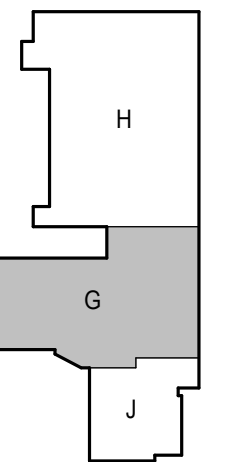
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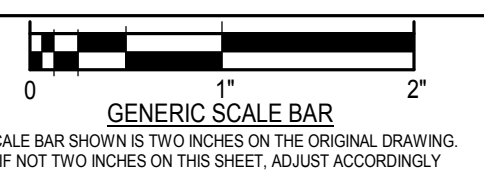
Engineer: **ERIK AAKHUS**

Erik Aakhus
Date: 06/05/2020 Reg. No.: 57315

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NO.	DATE	REVISION
1	04/16/20	ADDENDUM#2
5	5/21/20	PR#6

DWG. FILE:
E.S. - FIRST FLOOR PLAN - AREA G - PLUMBING



SCALE: SHOWN IN TWO SIZES ON THE ORIGINAL DRAWING. IF NOT TWO SIZES ON THIS SHEET, ADJUST ACCORDINGLY.
DATE: 3/27/2020
SCALE: As indicated
DWN: JLN, BJP, TBP CHK: ESA
PROJ. NO.: 2019282
DWG. NO.:

M-2211



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BARNESVILLE, MINNESOTA

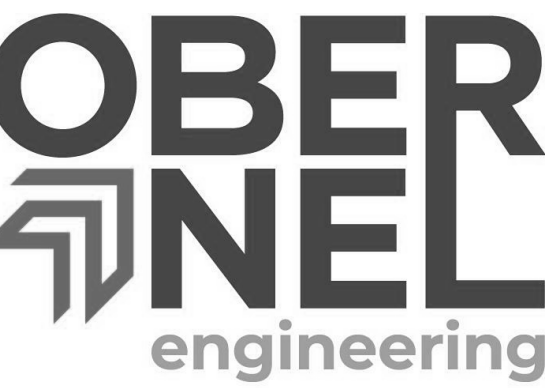
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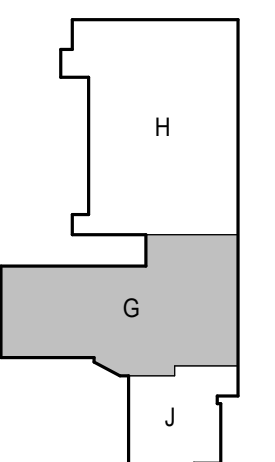
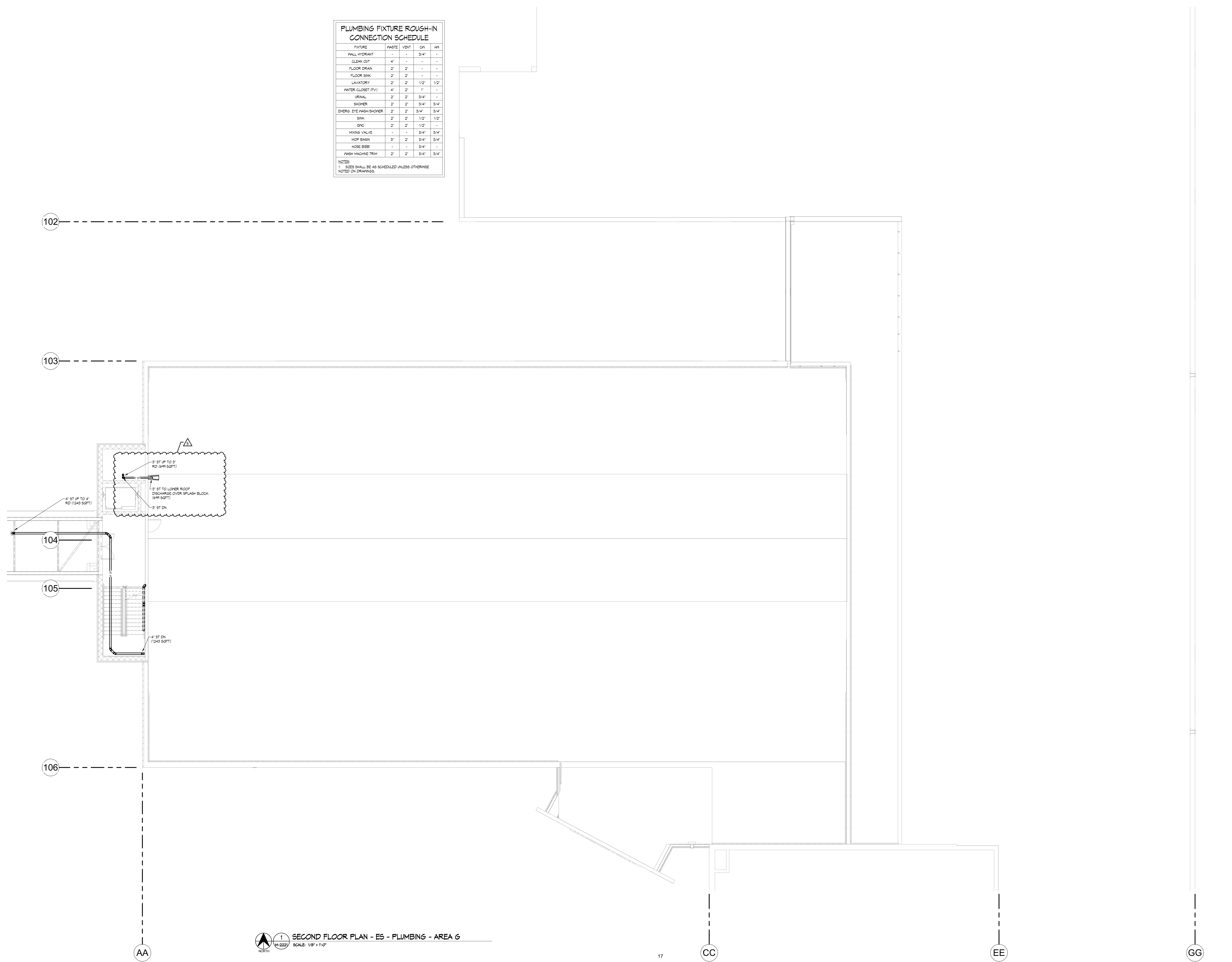
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PLUMBING FIXTURE ROUGH-IN CONNECTION SCHEDULE				
FIXTURE	WASTE	VENT	GN	HN
WALL HYDRANT	-	-	3/4"	-
CLEAN OUT	4"	-	-	-
FLOOR DRAIN	2"	2"	-	-
FLOOR SINK	2"	2"	-	-
LAVATORY	2"	2"	1/2"	1/2"
WATER CLOSET (PV)	4"	2"	1"	-
URINAL	2"	2"	3/4"	-
SHOWER	2"	2"	3/4"	3/4"
EMERG. EYE WASH/SHOWER	2"	2"	3/4"	3/4"
SINK	2"	2"	1/2"	1/2"
ENK	2"	2"	1/2"	-
MIXING VALVE	-	-	3/4"	3/4"
MOP BASIN	3"	2"	3/4"	3/4"
HOSE BIBB	-	-	3/4"	-
WASH MACHINE TRIM	2"	2"	3/4"	3/4"

NOTES:
 1. SIZES SHALL BE AS SCHEDULED UNLESS OTHERWISE NOTED ON DRAWINGS.



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Engineer ERIK AAKHUS

Erik Aakhus

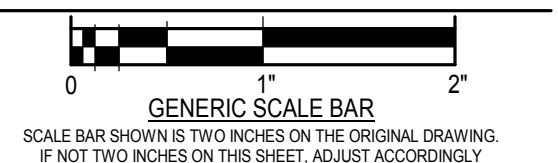
Date 06/05/2020 Reg. No. 57315

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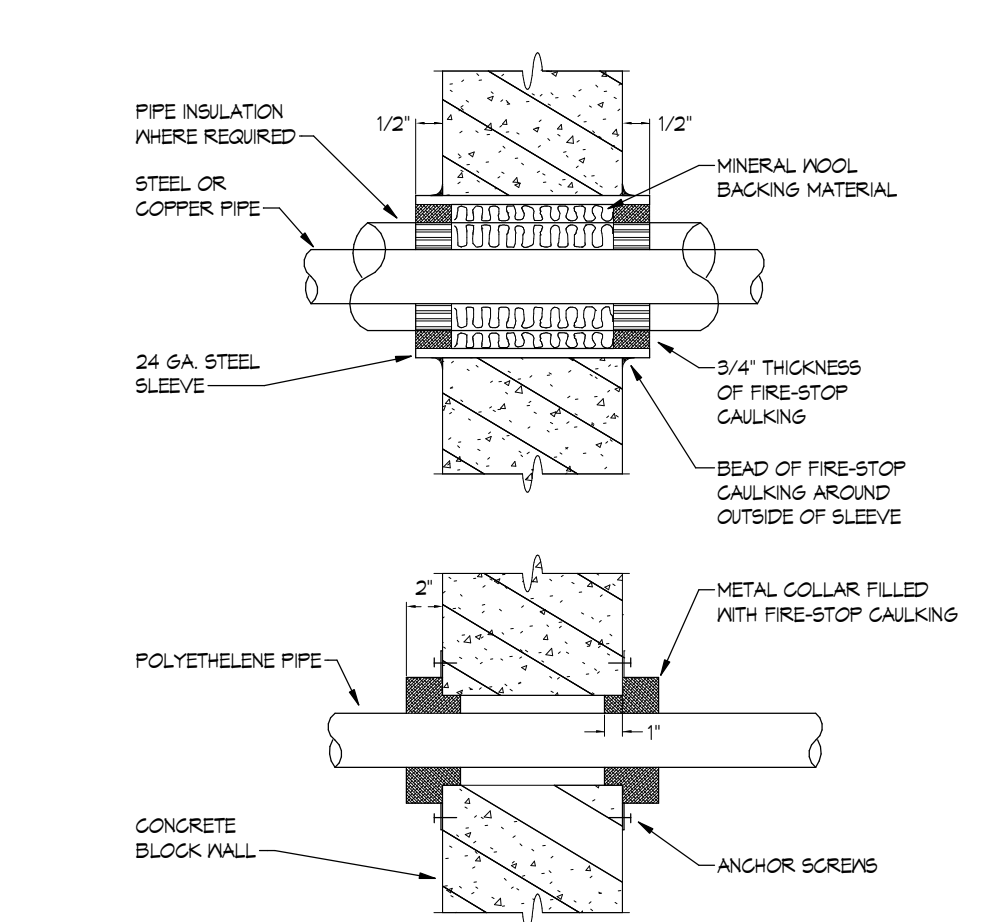
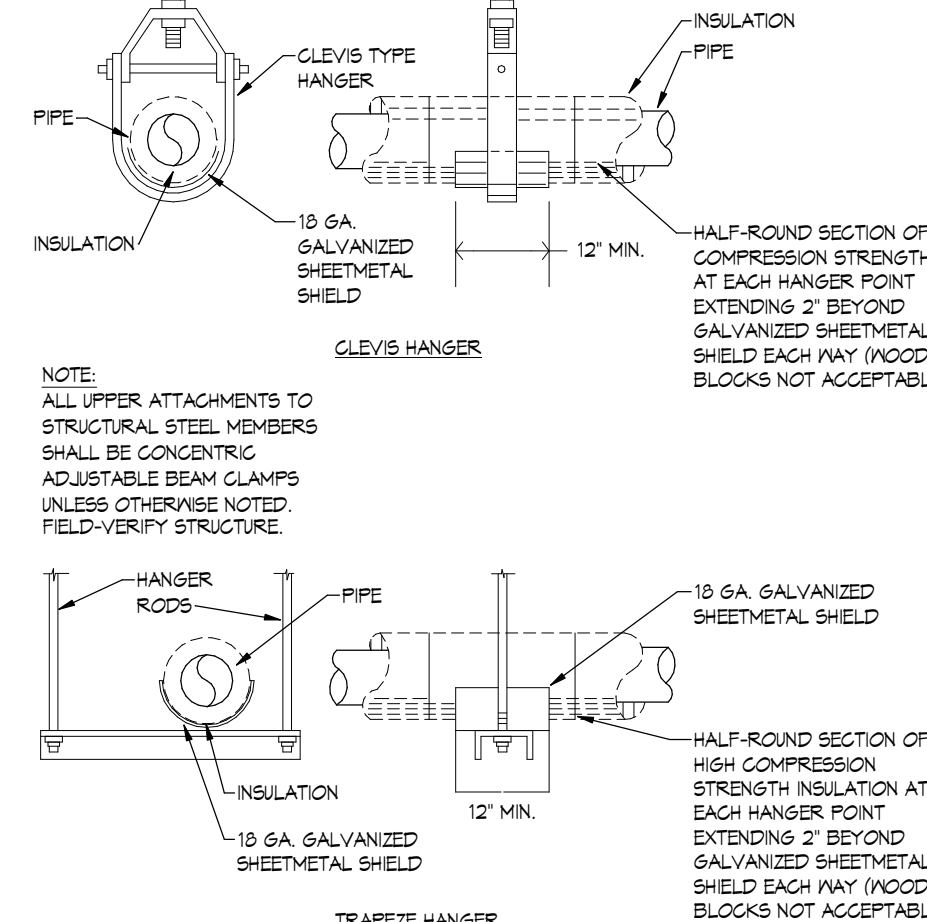
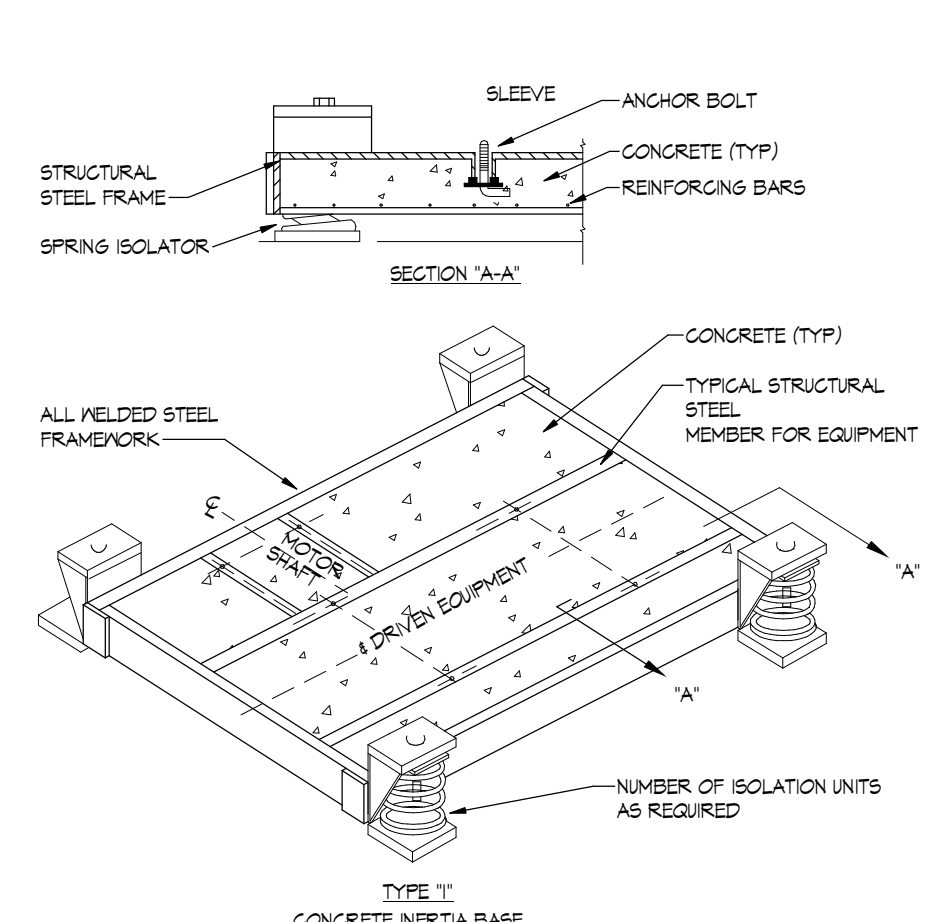
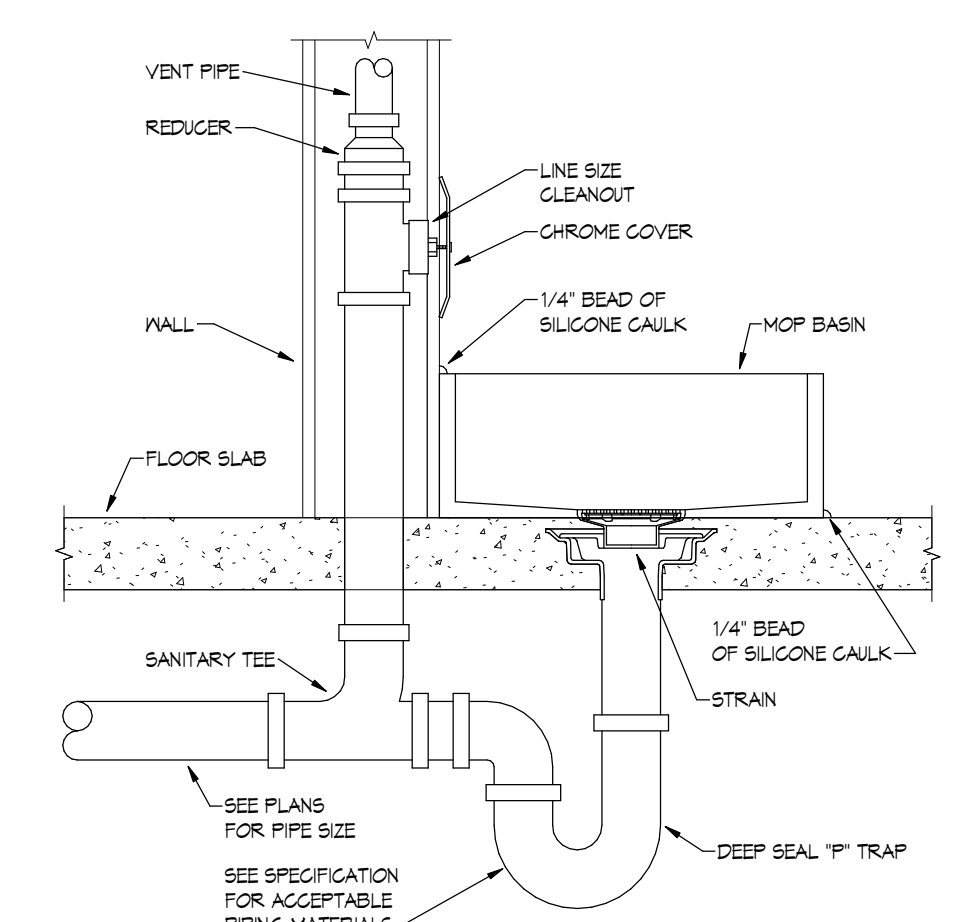
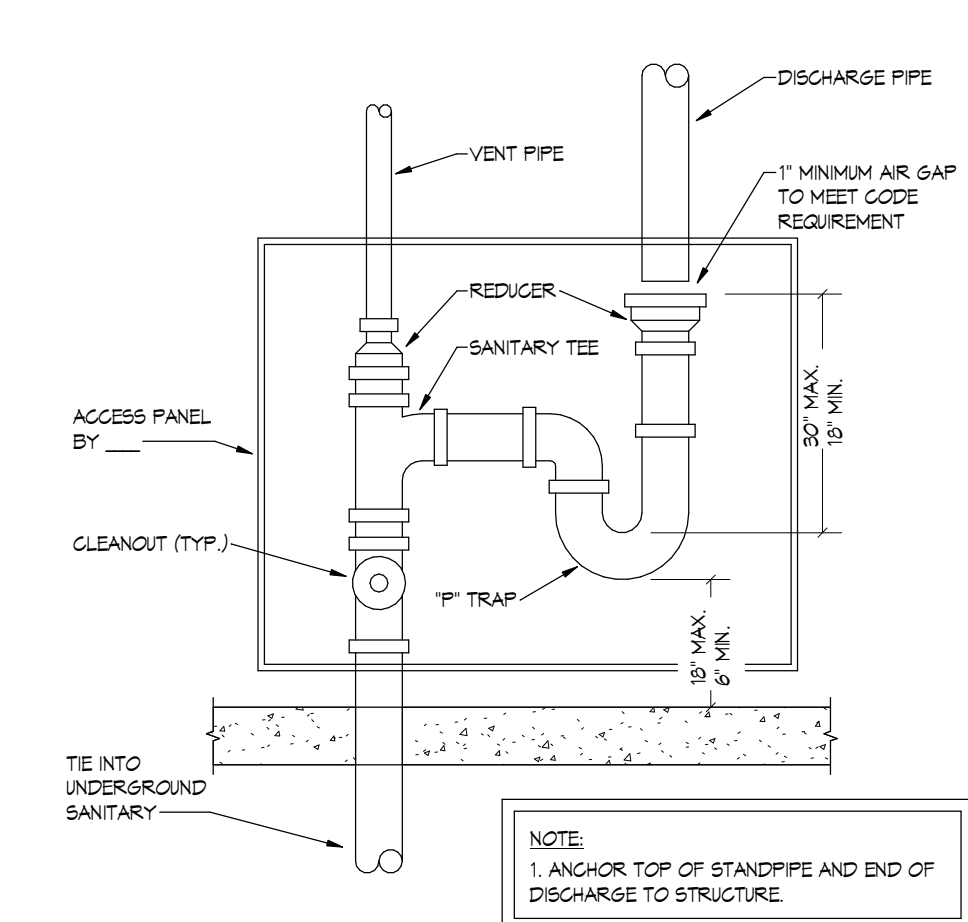
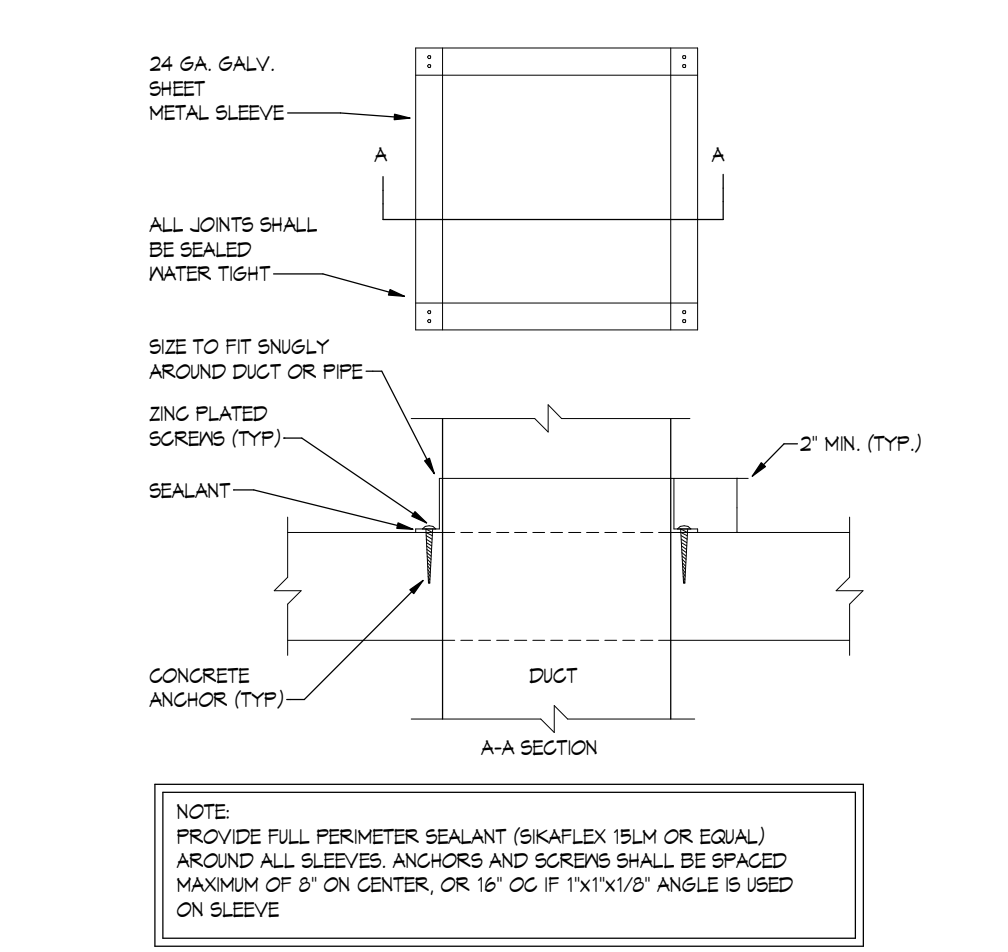
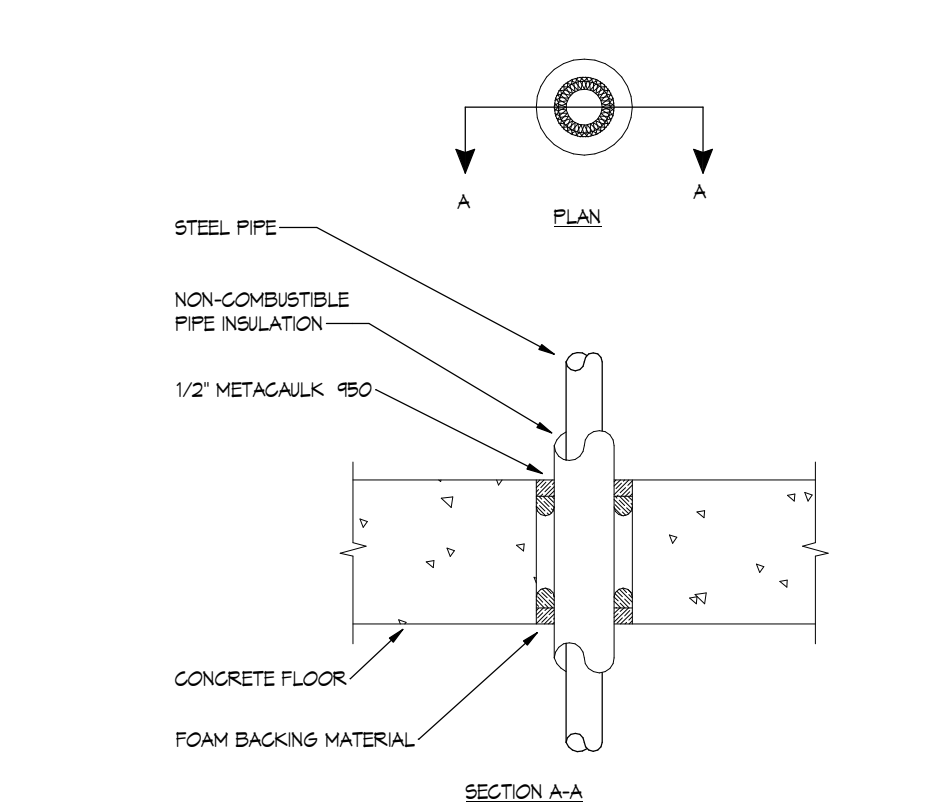
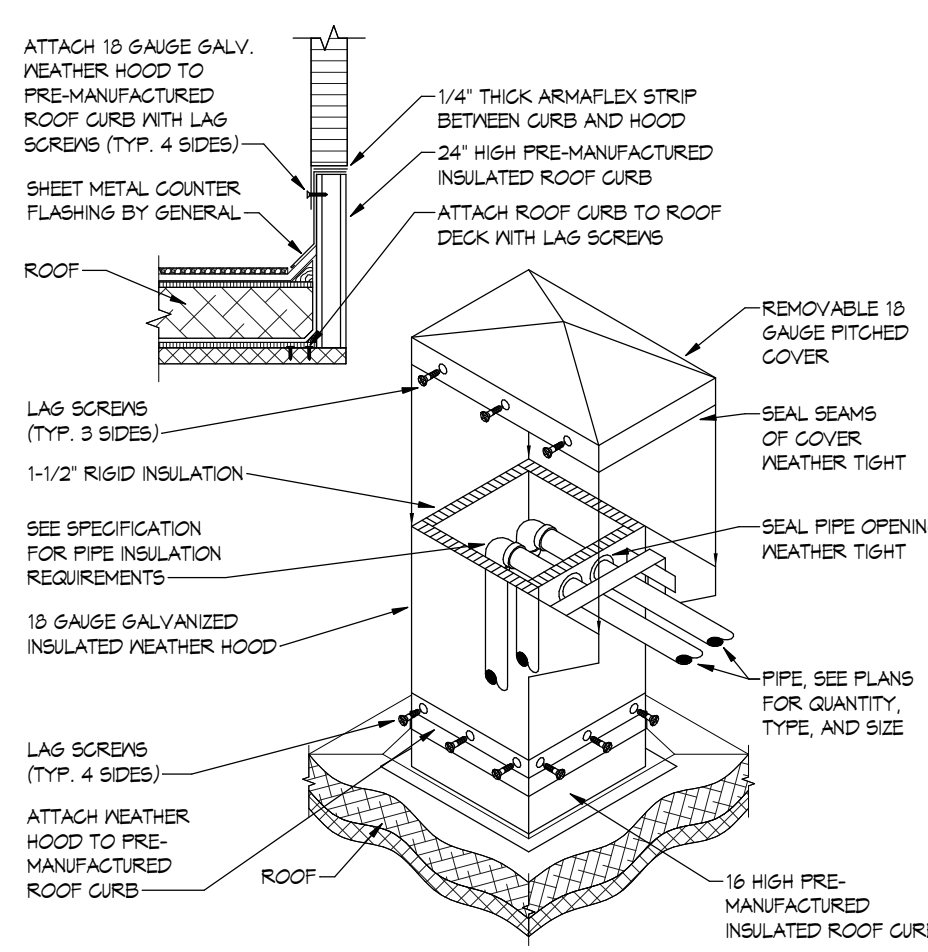
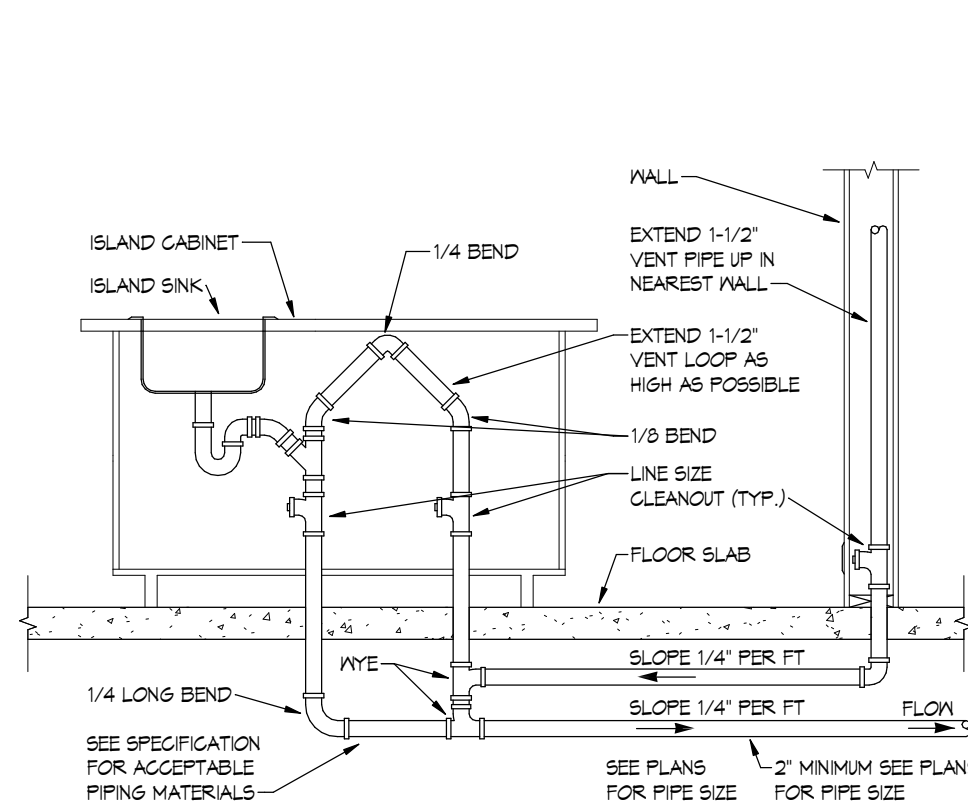
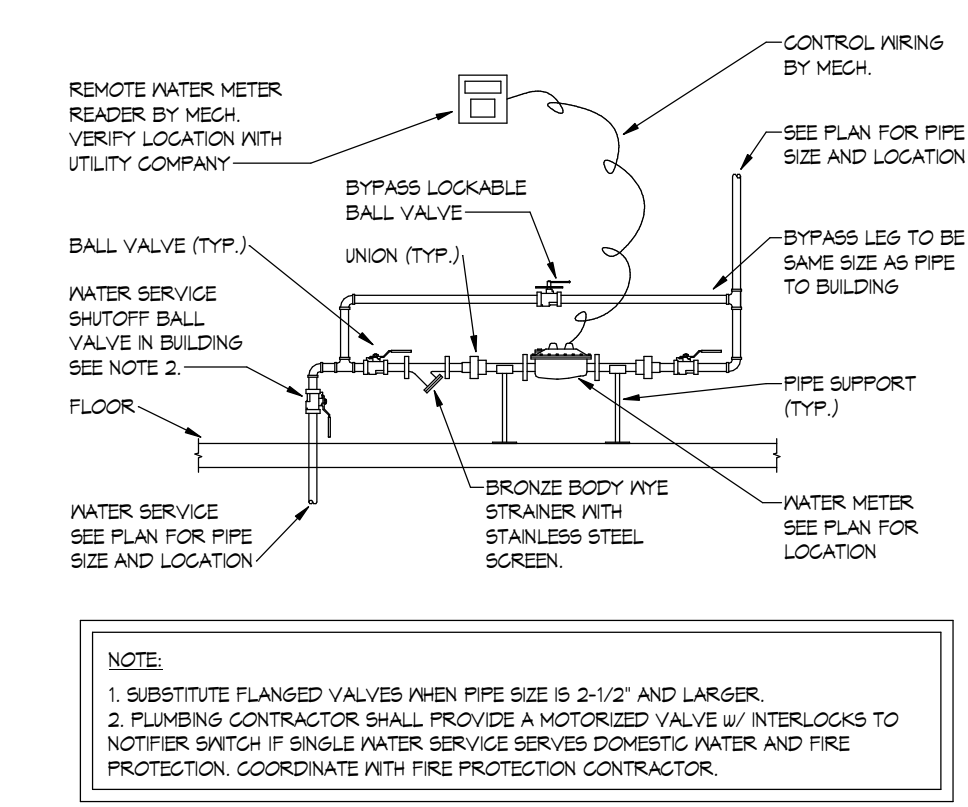
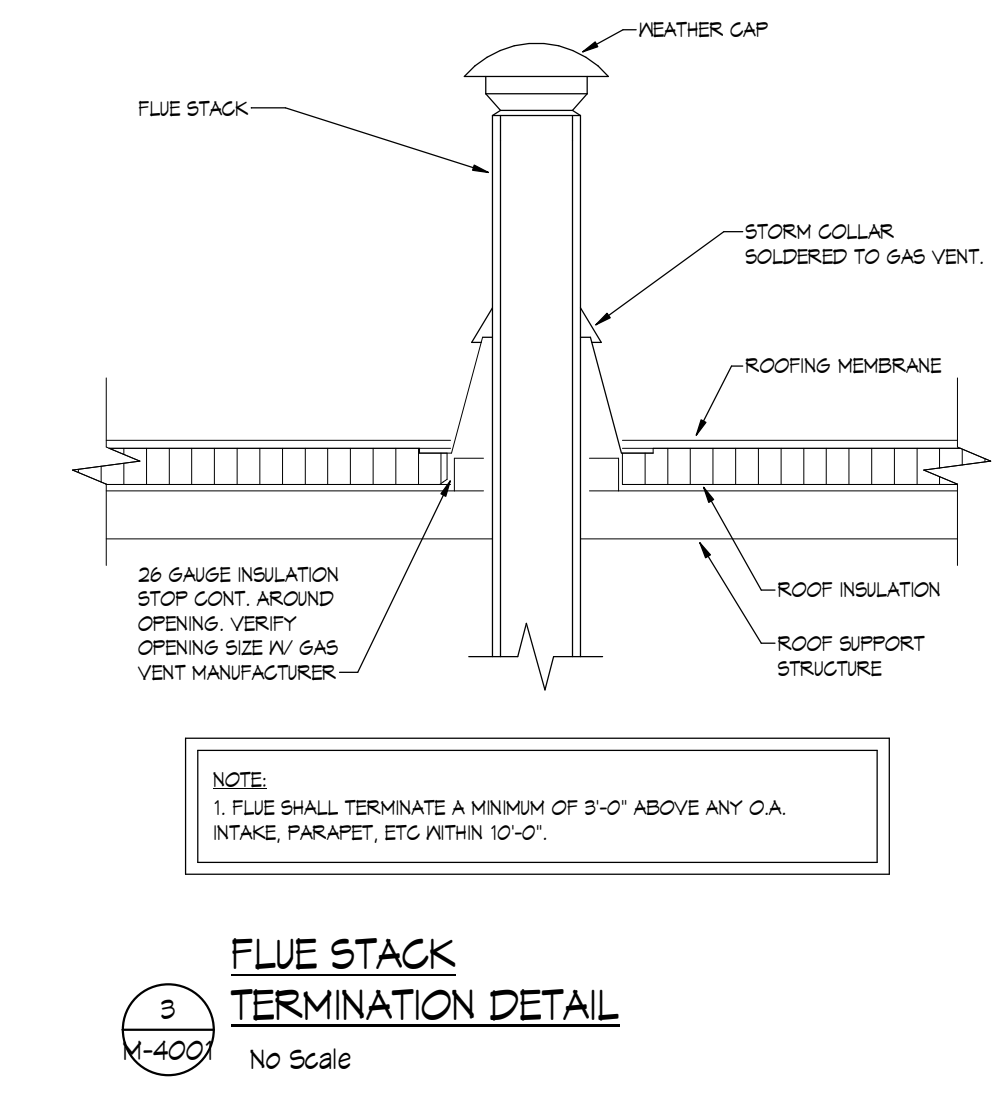
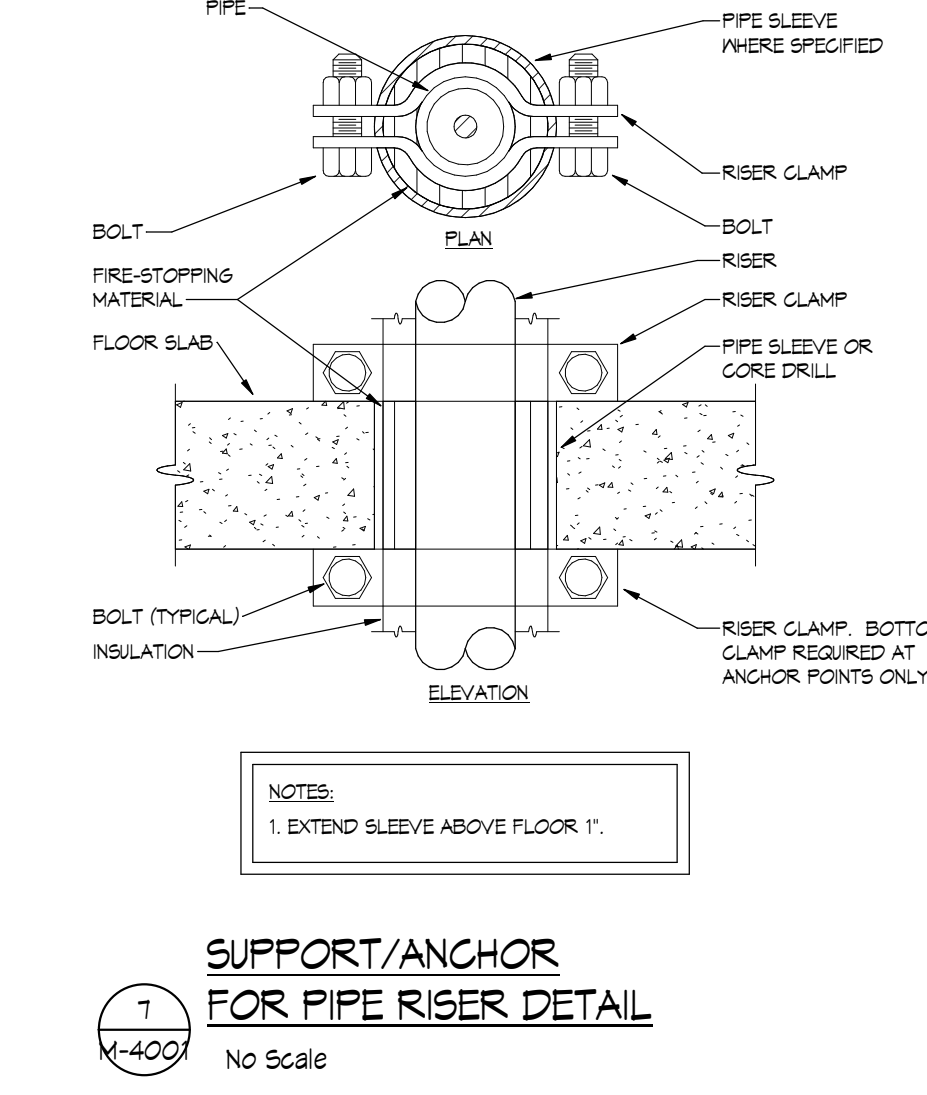
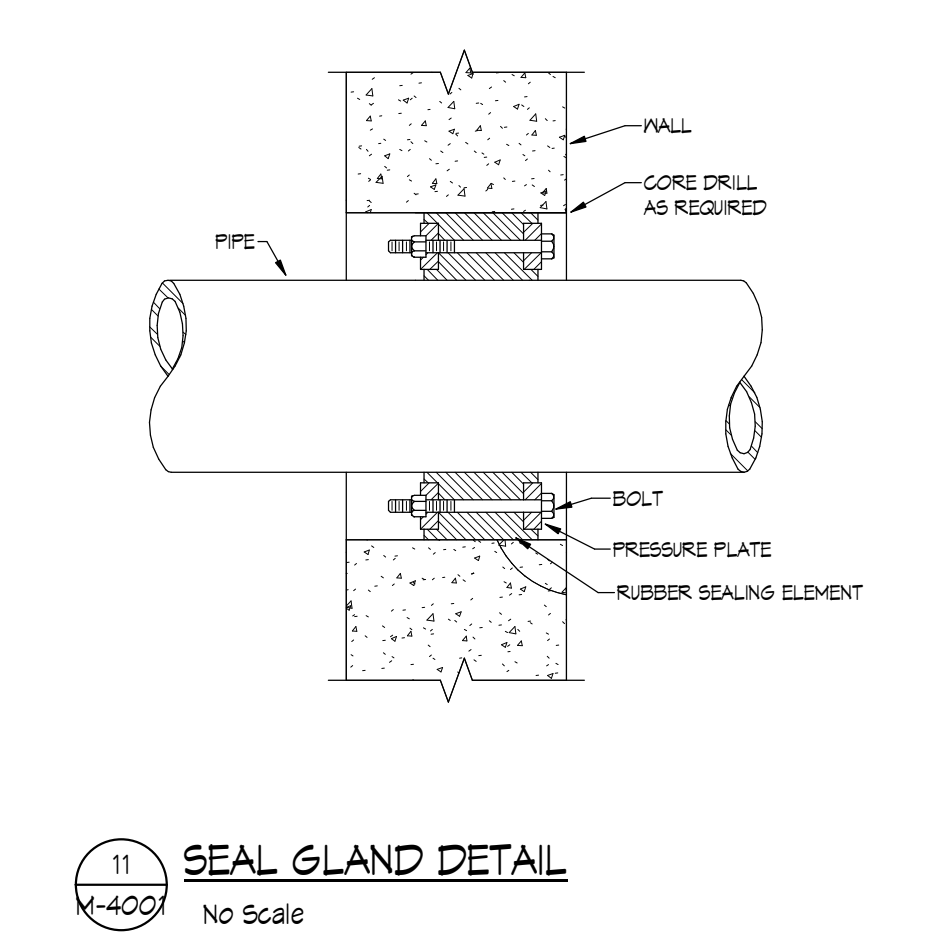
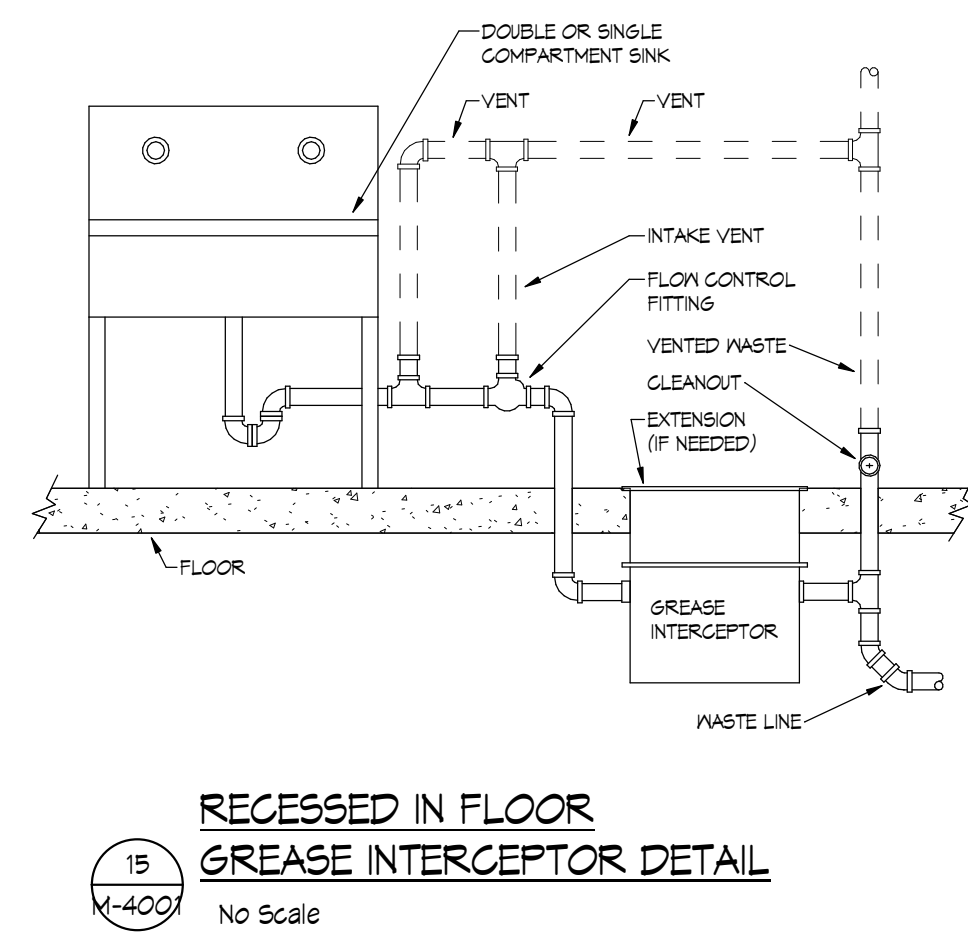
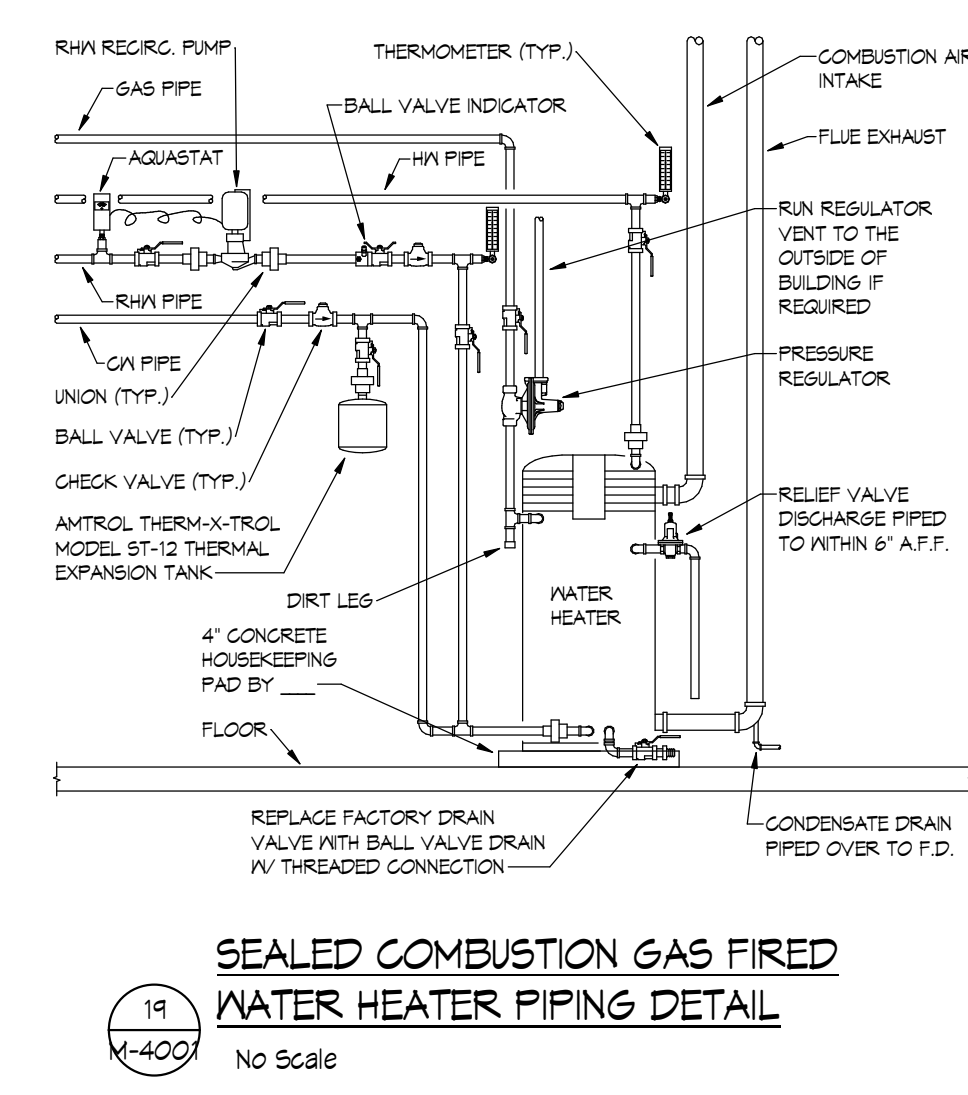
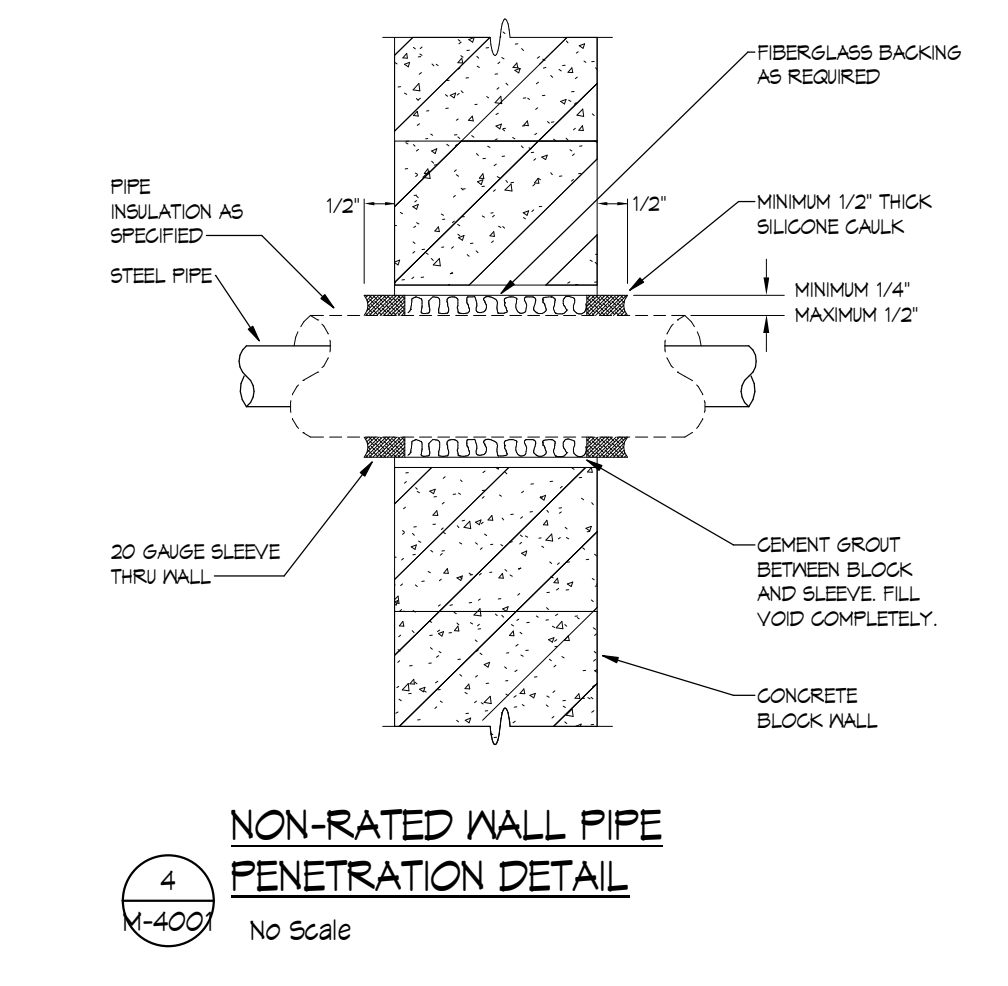
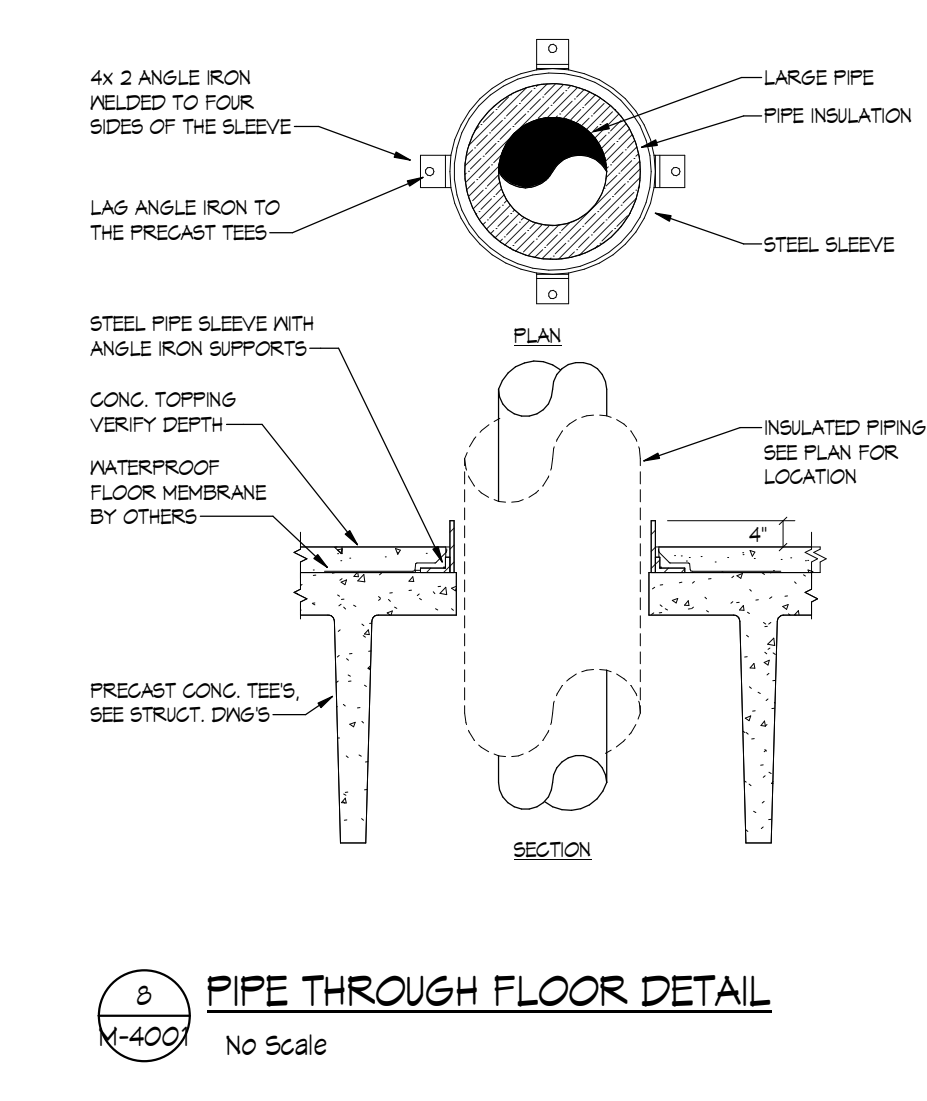
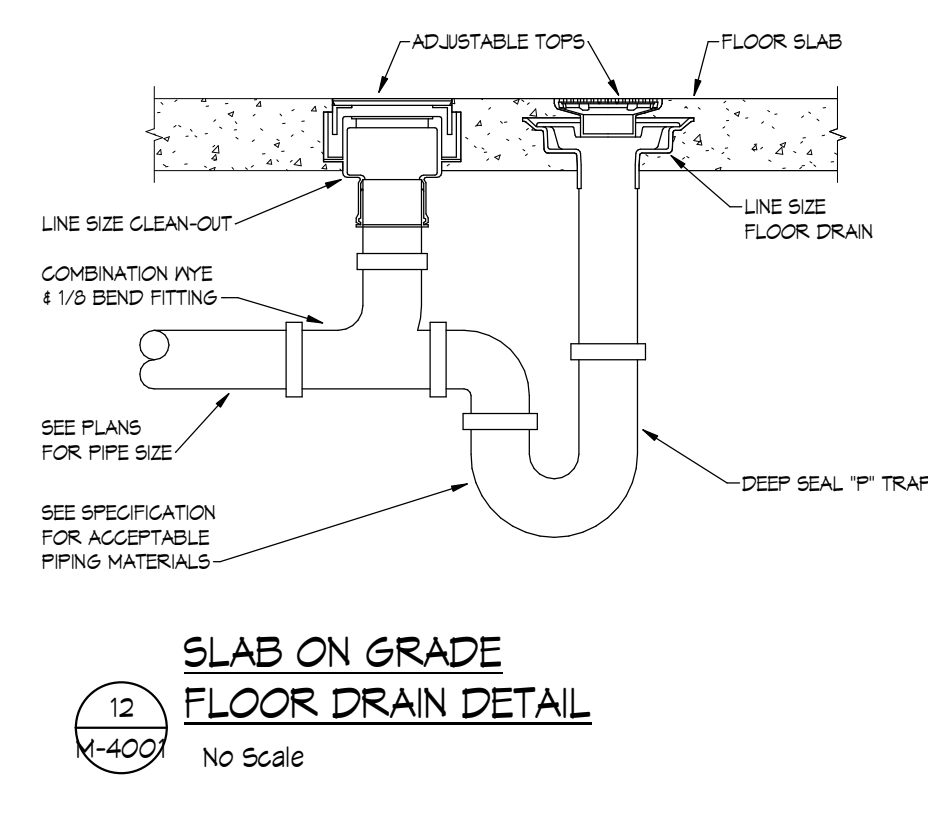
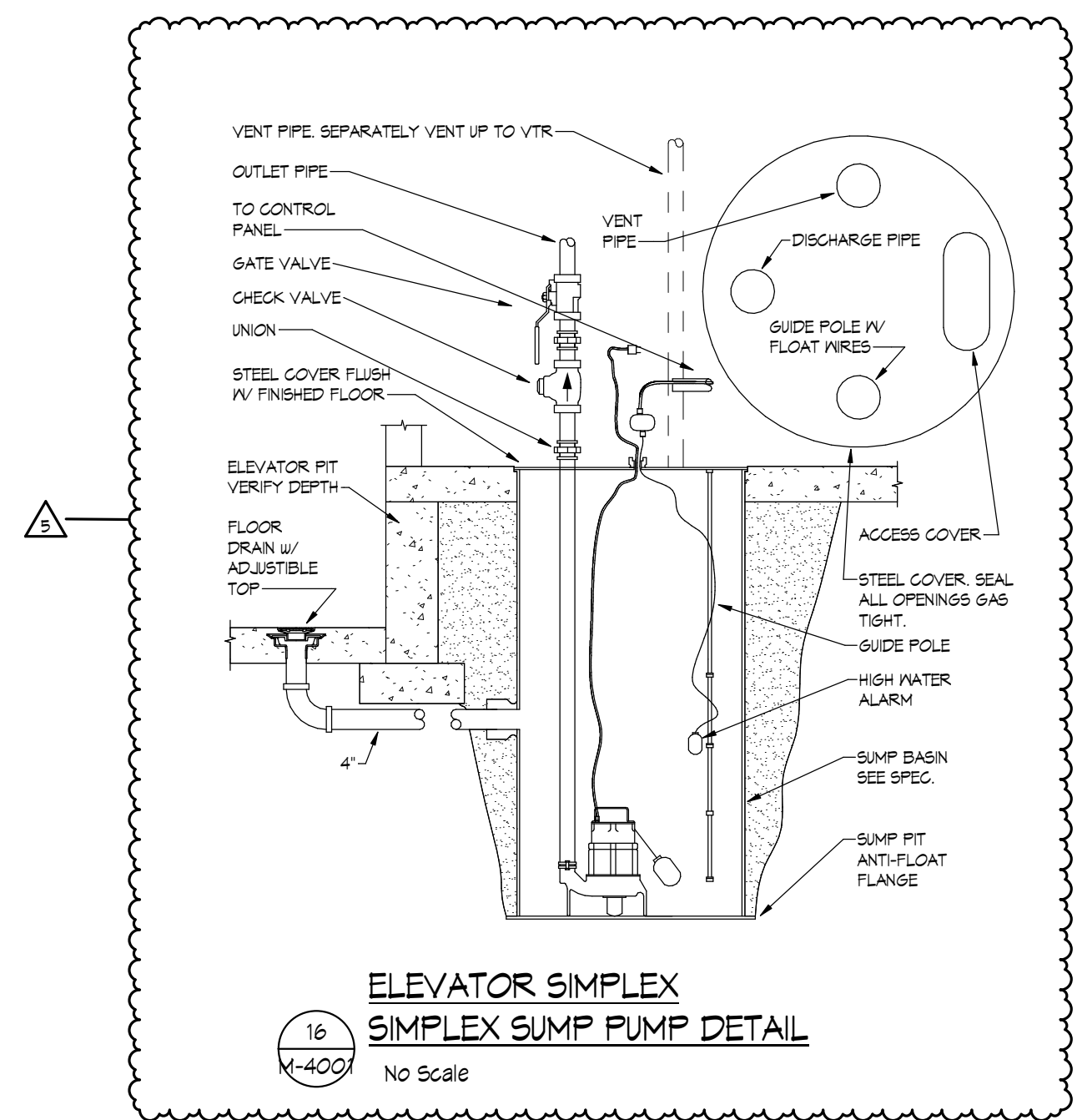
DWG. TITLE
E.S. - SECOND FLOOR PLAN - AREA G - PLUMBING



DATE 3/27/2020
 SCALE As indicated
 DWN. J.N., B.J.P., T.P.B. CHK. ESA
 PROJ. No. 2019282
 DWG. No.

M-2221

1 SECOND FLOOR PLAN - ES - PLUMBING - AREA G
 M-2221 SCALE: 1/8" = 1'-0"



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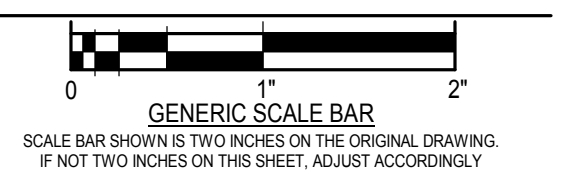
Engineer ERIC AARHUS

Date 06/05/2020 Reg. No. 57315

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REVISIONS	DATE	REVISION
5	5/21/20	PR#6

DWG FILE: **MECHANICAL DETAILS**



DATE 3/27/2020
 SCALE 1/8" = 1'-0"
 DWN. JLN, BJP, TPB CHK. ESA
 PROJ. No. 2019282
 DWG. No.

M-4001

B. Proposal Request (PR) 11

Wendel**PROPOSAL REQUEST**

401 2nd Avenue North
Suite 206
Minneapolis, MN 55401

Phone: (612) 332-1401

No. 011

TITLE: *Elementary Site Pavement*

DATE: 07/14/2020

PROJECT: *Barnesville Public Schools
Additions and Remodeling*

PROJECT NO: 478201

TO: Brad Bednar
RA Morton Construction Managers.
3315 Roosevelt Road, Suite 100
St. Cloud, MN 56301

An itemized proposal must be submitted for any modification or change in the Contract Sum and/or Contract Time of the Contract Documents described herein. Within Seven (7) days of the date of this Request for Proposal, the Contractor must either (i) submit an itemized proposal or (ii) notify the Architect in writing of the anticipated date on which the itemized proposal will be submitted.

THIS IS NOT A CHANGE ORDER, A CONSTRUCTION CHANGE DIRECTIVE OR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED IN THE PROPOSED MODIFICATIONS.

DESCRIPTION**CIVIL**

1. Refer to attached Larson Engineering Proposal Request No. 11.

By: Dan Goemann

Attachments: Larson Engineering PR-11.
Drawing Sheets C100, C200, C300.

Cc: Mark Hoffmann, Don Emslander,
Nicki Benjamin, Dr. Jon Ellerbusch, Tom Gray



PROPOSAL REQUEST - CIVIL

Number: BP1 - 011

Project:	Additions and Remodeling	Date of Issuance:	July 14, 2020
Owner:	Barnesville Public Schools 302 3 rd Street SE Barnesville, MN 56514	Const. Mgr:	RA Morton 3315 Roosevelt Rd, #100 St. Cloud, MN 56301
Architect:	Wendel 401 2 nd Ave North, Suite 206 Minneapolis, MN 55401	Engineer:	Larson Engineering 3524 Labore Road White Bear Lake, MN 55110
Bid Package:	1	Engineer's Project Number:	12196161

Please submit an itemized quotation for changes in the Contract Sum and/or Time Incidental to proposed modifications to the Contract Documents described herein.
THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

Project Manual

1. None

Drawings

1. Sheet C100 – Demolition Plan (Drawing re-issued)
 - a. Add 258 SY of bituminous pavement removals.
 - b. Add 84 LF of concrete curb removals.
 - c. Add 1,712 SF of concrete removals.
2. Sheet C200 – Paving Plan (drawing re-issued)
 - a. Deduct 419 SY of light-duty bituminous pavement.
 - b. Add 419 SY of heavy-duty bituminous pavement.
 - c. Add 84 LF of B612 Curb and Gutter.
 - d. Add 258 SY of light-duty bituminous pavement.
 - e. Add 1,712 SF of light-duty concrete with integral curb.
3. Sheet C300 – Grading and Erosion Control Plan (drawing re-issued)
 - a. Add/revise grades around revised concrete and bituminous areas.

Drawings Issued:

- 1) C100 – Demolition Plan
- 2) C200 – Paving Plan
- 3) C300 – Grading and Erosion Control Plan

End of Civil Proposal Request



BARNESVILLE PUBLIC SCHOOLS

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ADDITIONS AND REMODELING

BID PACKAGE 1



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Larson Engineering, Inc.
3524 Labore Road
White Bear Lake, MN 55110
651.481.9120 (f) 651.481.9201
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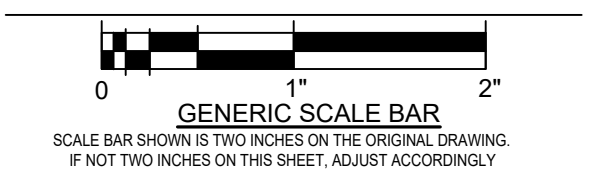
I hereby certify that this plan, specifications or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the state of Minnesota.

Eric G. Meyer
Eric G. Meyer, P.E.
Date: 01.31.20 Lic. No.: 44592

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NO.	DATE	REVISION
1	02.21.2020	ADDENDUM 1
2	03.24.2020	PR 001
3	05.22.2020	PR 007
4	06.04.2020	PR 008
5	07.14.2020	PR 011

DWG TITLE
DEMOLITION PLAN



DATE: 01-31-2020
SCALE: 1/12" = 1'-0"
DWN: NJN CHK: EGM
PROJ. No.: 12196161
DWG. No.:

C100

KEY NOTES

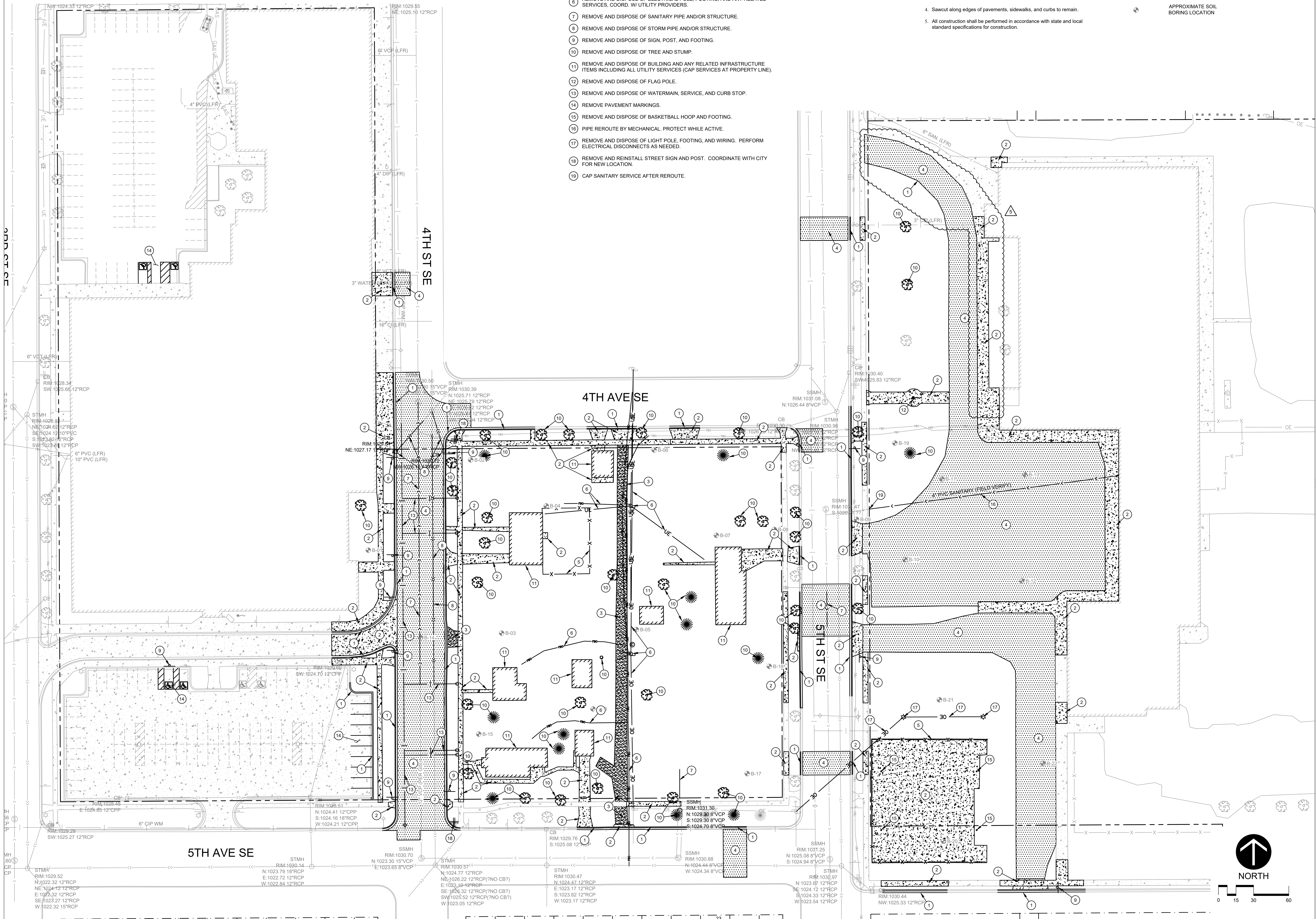
- 1 REMOVE AND DISPOSE OF CONCRETE CURB.
- 2 REMOVE AND DISPOSE OF CONCRETE PAVEMENT.
- 3 REMOVE AND DISPOSE OF GRAVEL.
- 4 REMOVE AND DISPOSE OF BITUMINOUS PAVEMENT.
- 5 REMOVE AND DISPOSE OF FENCE INCLUDING FABRIC, POSTS, GATES, MOWSTRIPS, FOOTINGS, ETC.
- 6 REMOVE AND DISPOSE OF ELECTRICAL POLE, FOOTING, AND ANY RELATED SERVICES, COORD. W/ UTILITY PROVIDERS.
- 7 REMOVE AND DISPOSE OF SANITARY PIPE AND/OR STRUCTURE.
- 8 REMOVE AND DISPOSE OF STORM PIPE AND/OR STRUCTURE.
- 9 REMOVE AND DISPOSE OF SIGN, POST, AND FOOTING.
- 10 REMOVE AND DISPOSE OF TREE AND STUMP.
- 11 REMOVE AND DISPOSE OF BUILDING AND ANY RELATED INFRASTRUCTURE ITEMS INCLUDING ALL UTILITY SERVICES (CAP SERVICES AT PROPERTY LINE).
- 12 REMOVE AND DISPOSE OF FLAG POLE.
- 13 REMOVE AND DISPOSE OF WATERMAIN, SERVICE, AND CURB STOP.
- 14 REMOVE PAVEMENT MARKINGS.
- 15 REMOVE AND DISPOSE OF BASKETBALL HOOP AND FOOTING.
- 16 PIPE REROUTE BY MECHANICAL. PROTECT WHILE ACTIVE.
- 17 REMOVE AND DISPOSE OF LIGHT POLE, FOOTING, AND WIRING. PERFORM ELECTRICAL DISCONNECTS AS NEEDED.
- 18 REMOVE AND REINSTALL STREET SIGN AND POST. COORDINATE WITH CITY FOR NEW LOCATION.
- 19 CAP SANITARY SERVICE AFTER REROUTE.

DEMOLITION NOTES

1. Verify all existing utility locations.
2. It is the responsibility of the Contractor to perform or coordinate all necessary utility demolitions and relocations from existing utility locations to all onsite amenities and buildings. These connections include, but are not limited to, water, sanitary sewer, cable tv, telephone, gas, electric, site lighting, etc.
3. Prior to beginning work, contact Gopher State Onecall (651-454-0002) to locate utilities throughout the area under construction. The Contractor shall retain the services of a private utility locator to locate the private utilities.
4. Sawcut along edges of pavements, sidewalks, and curbs to remain.
5. All construction shall be performed in accordance with state and local standard specifications for construction.

SYMBOL LEGEND

- REMOVE AND DISPOSE OF BITUMINOUS PAVEMENT SECTION
- REMOVE AND DISPOSE OF CONCRETE PAVEMENT SECTION
- REMOVE AND DISPOSE OF GRAVEL PAVEMENT SECTION
- APPROXIMATE SOIL BORING LOCATION



0 15 30 60



BARNESVILLE PUBLIC SCHOOLS

BARNESVILLE, MINNESOTA

ADDITIONS AND REMODELING

BID PACKAGE 1



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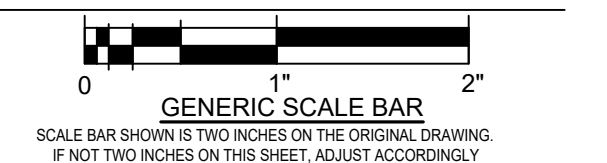
I hereby certify that this plan, specifications or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the state of Minnesota.

Eric G. Meyer
Eric G. Meyer, P.E.
Date: 01.31.20 Lic. No.: 44592

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1	02.21.2020	ADDENDUM 1
2	03.24.2020	PR 001
3	05.22.2020	PR 007
4	06.04.2020	PR 008
5	07.14.2020	PR 011

DWG TITLE
PAVING PLAN



DATE 01-31-2020
SCALE 1/12" = 1'-0"
DWN. NJN CHK. EGM
PROJ. No. 12196161
DWG. No.

C200

KEY NOTES

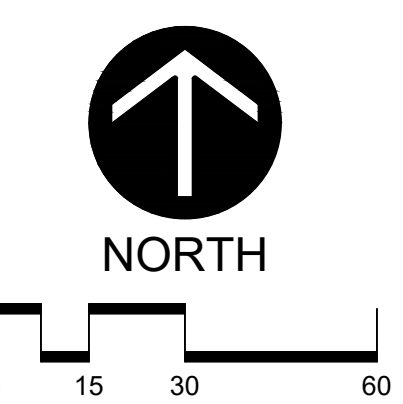
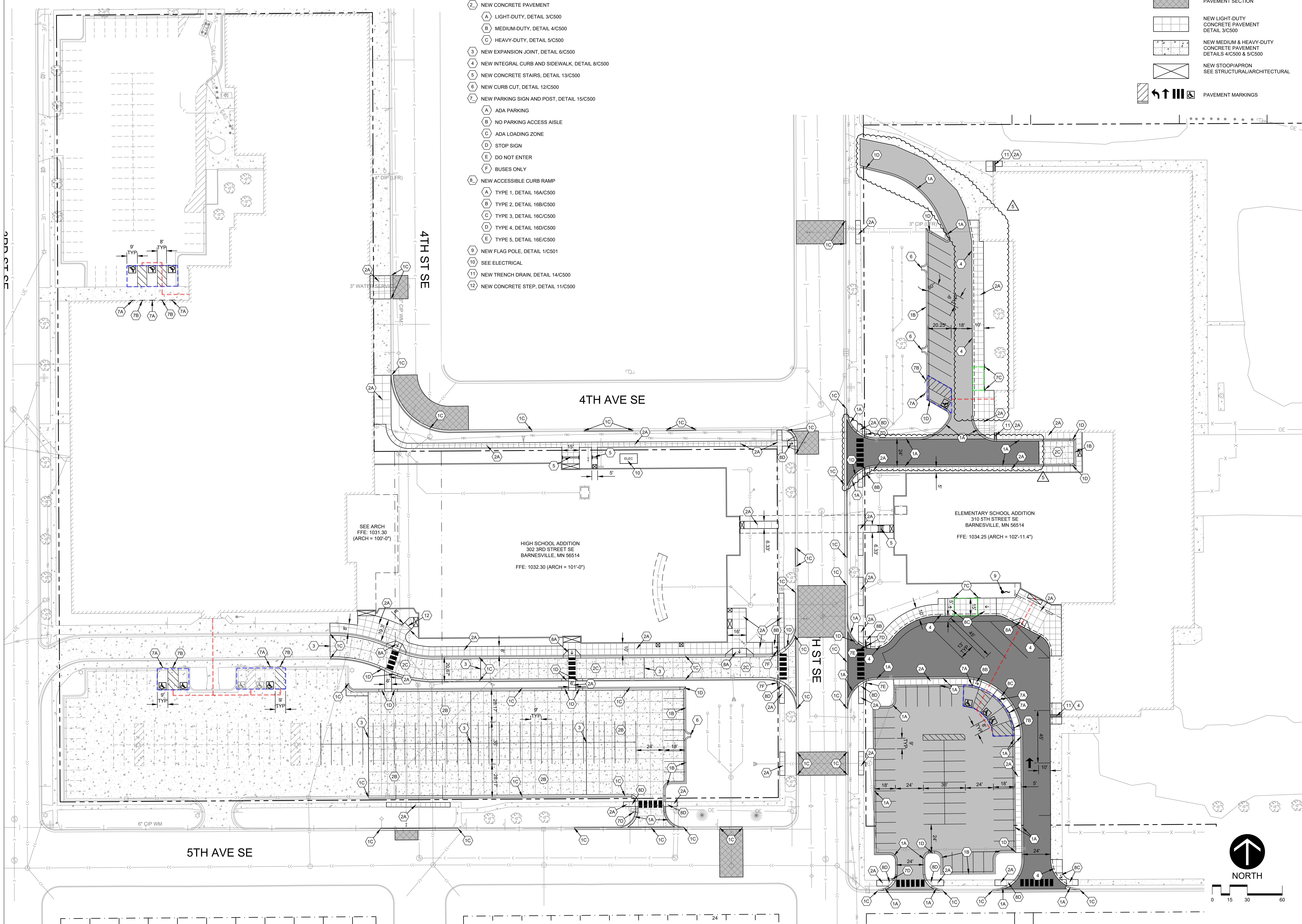
- 1. NEW CONCRETE CURB AND GUTTER
 - A B612, DETAIL 9/C500
 - B SURMOUNTABLE, DETAIL 10/C500
 - C MATCH EXISTING CURB PROFILE
 - D TRANSITION CURB
- 2. NEW CONCRETE PAVEMENT
 - A LIGHT-DUTY, DETAIL 3/C500
 - B MEDIUM-DUTY, DETAIL 4/C500
 - C HEAVY-DUTY, DETAIL 5/C500
- 3. NEW EXPANSION JOINT, DETAIL 6/C500
- 4. NEW INTEGRAL CURB AND SIDEWALK, DETAIL 8/C500
- 5. NEW CONCRETE STAIRS, DETAIL 13/C500
- 6. NEW CURB CUT, DETAIL 12/C500
- 7. NEW PARKING SIGN AND POST, DETAIL 15/C500
 - A ADA PARKING
 - B NO PARKING ACCESS AISLE
 - C ADA LOADING ZONE
 - D STOP SIGN
 - E DO NOT ENTER
 - F BUSES ONLY
- 8. NEW ACCESSIBLE CURB RAMP
 - A TYPE 1, DETAIL 16A/C500
 - B TYPE 2, DETAIL 16B/C500
 - C TYPE 3, DETAIL 16C/C500
 - D TYPE 4, DETAIL 16D/C500
 - E TYPE 5, DETAIL 16E/C500
- 9. NEW FLAG POLE, DETAIL 1/C501
- 10. SEE ELECTRICAL
- 11. NEW TRENCH DRAIN, DETAIL 14/C500
- 12. NEW CONCRETE STEP, DETAIL 11/C500

ACCESSIBILITY LEGEND

- ACCESSIBLE ROUTE
- LOADING ZONE
- ADA PARKING
 - NORTHWEST HIGH SCHOOL LOT: 67 STALLS W/ 3 ADA
 - SOUTH HIGH SCHOOL LOT: 133 STALLS W/ 5 ADA
 - NORTH ELEMENTARY LOT: 13 STALLS W/ 1 ADA
 - SOUTH ELEMENTARY LOT: 55 STALLS W/ 3 ADA

SYMBOL LEGEND

- [Symbol] NEW LIGHT-DUTY BITUMINOUS PAVEMENT DETAIL 1/C500
- [Symbol] NEW HEAVY-DUTY BITUMINOUS PAVEMENT DETAIL 2/C500
- [Symbol] MATCH EXISTING PAVEMENT SECTION
- [Symbol] NEW LIGHT-DUTY CONCRETE PAVEMENT DETAIL 3/C500
- [Symbol] NEW MEDIUM & HEAVY-DUTY CONCRETE PAVEMENT DETAILS 4/C500 & 5/C500
- [Symbol] NEW STOOP/APRON SEE STRUCTURAL/ARCHITECTURAL
- [Symbol] PAVEMENT MARKINGS



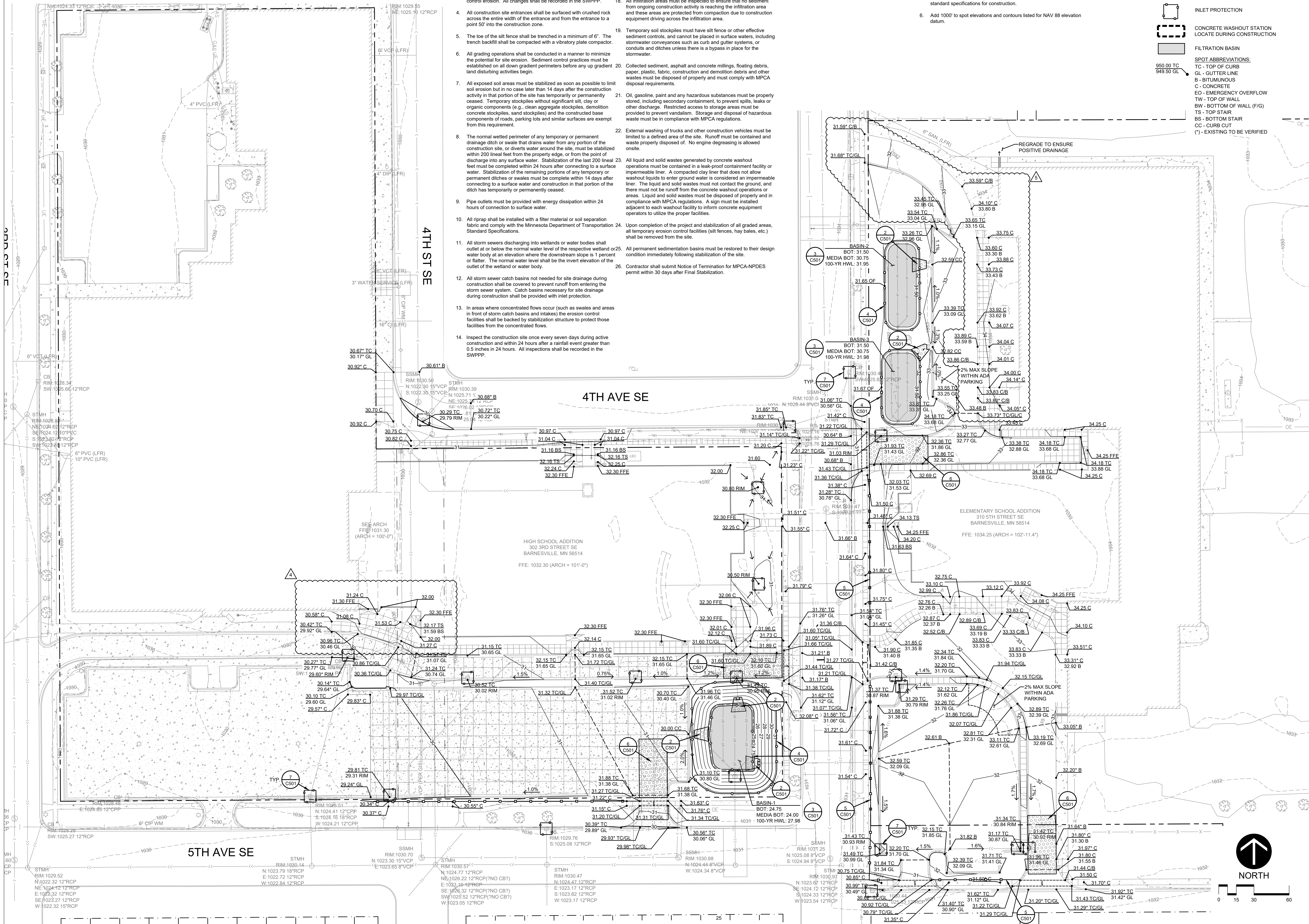
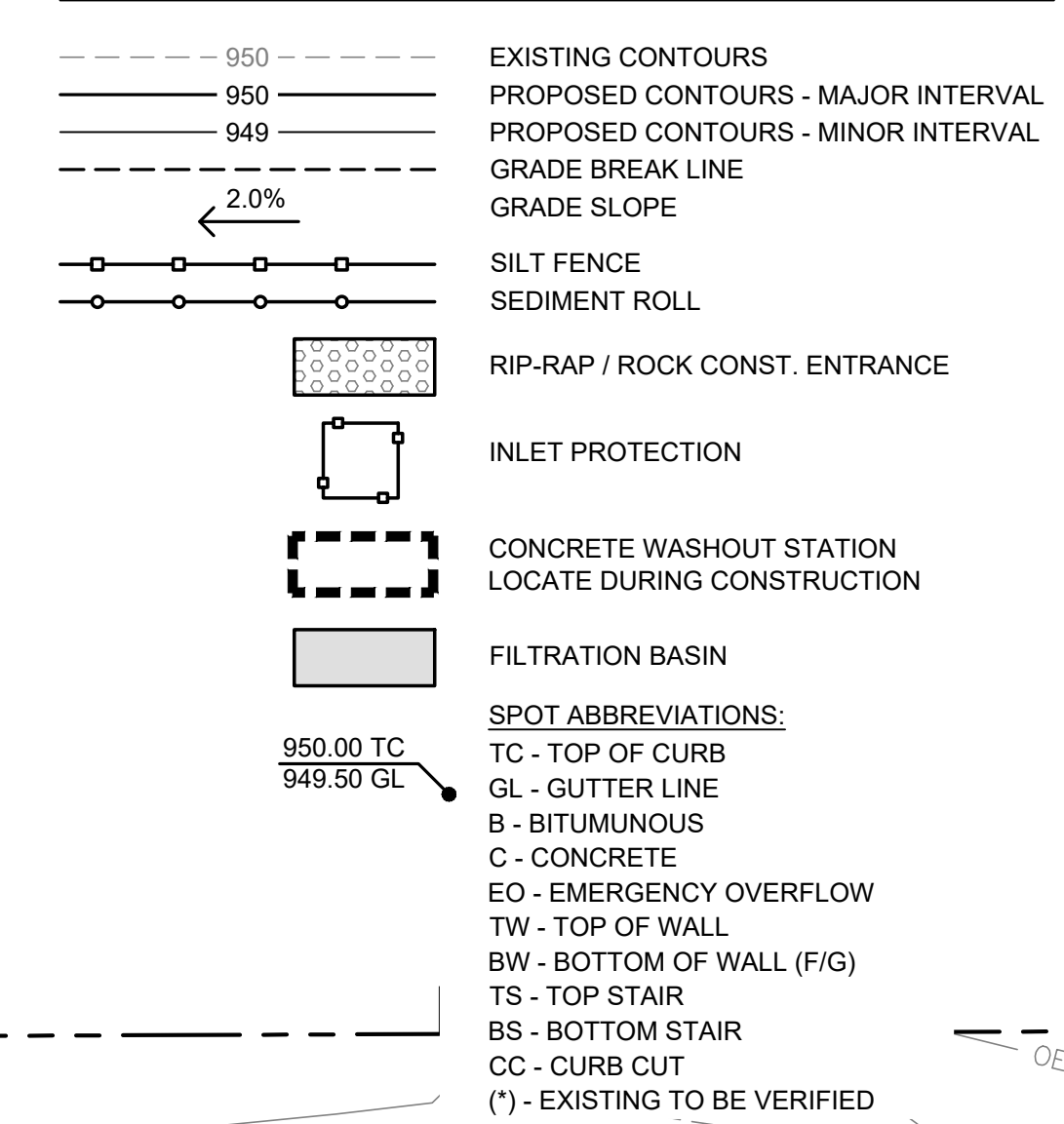
EROSION CONTROL NOTES

- Owner and Contractor shall obtain MPCA-NPDES permit. Contractor shall be responsible for all fees pertaining to this permit. The SWPPP shall be kept onsite at all times.
- Install temporary erosion control measures (inlet protection, silt fence, and rock construction entrances) prior to beginning any excavation or demolition work at the site.
- Erosion control measures shown on the erosion control plan are the absolute minimum. The contractor shall install temporary earth dikes, sediment traps or basins, additional siltation fencing, and/or disk the soil parallel to the contours as deemed necessary to further control erosion. All changes shall be recorded in the SWPPP.
- All construction site entrances shall be surfaced with crushed rock across the entire width of the entrance and from the entrance to a point 50' into the construction zone.
- The toe of the silt fence shall be trenched in a minimum of 6". The trench backfill shall be compacted with a vibratory plate compactor.
- All grading operations shall be conducted in a manner to minimize the potential for site erosion. Sediment control practices must be established on all down gradient perimeters before any up gradient land disturbing activities begin.
- All exposed soil areas must be stabilized as soon as possible to limit soil erosion but in no case later than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased. Temporary stockpiles without significant silt, clay or organic components (e.g., clean aggregate stockpiles, demolition concrete stockpiles, sand stockpiles) and the constructed base components of roads, parking lots and similar surfaces are exempt from this requirement.
- The normal wetted perimeter of any temporary or permanent drainage ditch or swale that drains water from any portion of the construction site, or diverts water around the site, must be stabilized within 200 lineal feet from the property edge, or from the point of discharge into any surface water. Stabilization of the last 200 lineal feet must be completed within 24 hours after connecting to a surface water. Stabilization of the remaining portions of any temporary or permanent ditches or swales must be complete within 14 days after connecting to a surface water and construction in that portion of the ditch has temporarily or permanently ceased.
- Pipe outlets must be provided with energy dissipation within 24 hours of connection to surface water.
- All riprap shall be installed with a filter material or soil separation fabric and comply with the Minnesota Department of Transportation Standard Specifications.
- All storm sewers discharging into wetlands or water bodies shall outlet at or below the normal water level of the respective wetland or water body at an elevation where the downstream slope is 1 percent or flatter. The normal water level shall be the invert elevation of the outlet of the wetland or water body.
- All storm sewer catch basins not needed for site drainage during construction shall be covered to prevent runoff from entering the storm sewer system. Catch basins necessary for site drainage during construction shall be provided with inlet protection.
- In areas where concentrated flows occur (such as swales and areas in front of storm catch basins and intakes) the erosion control facilities shall be backed by stabilization structure to protect those facilities from the concentrated flows.
- Inspect the construction site once every seven days during active construction and within 24 hours after a rainfall event greater than 0.5 inches in 24 hours. All inspections shall be recorded in the SWPPP.
- All silt fences must be repaired, replaced, or supplemented when they become nonfunctional or the sediment reaches 1/3 of the height of the fence. These repairs must be made within 24 hours of discovery, or as soon as field conditions allow access. All repairs shall be recorded in the SWPPP.
- If sediment escapes the construction site, off-site accumulations of sediment must be removed in a manner and at a frequency sufficient to minimize off-site impacts.
- All soils tracked onto pavement shall be removed daily.
- All infiltration areas must be inspected to ensure that no sediment from ongoing construction activity is reaching the infiltration area and these areas are protected from compaction due to construction equipment driving across the infiltration area.
- Temporary soil stockpiles must have silt fence or other effective sediment controls, and cannot be placed in surface waters, including stormwater conveyances such as curb and gutter systems, or conduits and ditches unless there is a bypass in place for the stormwater.
- Collected sediment, asphalt and concrete millings, floating debris, paper, plastic, fabric, construction and demolition debris and other wastes must be disposed of properly and must comply with MPCA disposal requirements.
- Oil, gasoline, paint and any hazardous substances must be properly stored, including secondary containment, to prevent spills, leaks or other discharge. Restricted access to storage areas must be provided to prevent vandalism. Storage and disposal of hazardous waste must be in compliance with MPCA regulations.
- External washing of trucks and other construction vehicles must be limited to a defined area of the site. Runoff must be contained and waste properly disposed of. No engine degreasing is allowed onsite.
- Liquid and solid wastes generated by concrete washout operations must be contained in a leak-proof containment facility or impermeable liner. A compacted clay liner that does not allow washout liquids to enter ground water is considered an impermeable liner. The liquid and solid wastes must not contact the ground, and there must not be runoff from the concrete washout operations or areas. Liquid and solid wastes must be disposed of properly and in compliance with MPCA regulations. A sign must be installed adjacent to each washout facility to inform concrete equipment operators to utilize the proper facilities.
- Upon completion of the project and stabilization of all graded areas, all temporary erosion control facilities (silt fences, hay bales, etc.) shall be removed from the site.
- All permanent sedimentation basins must be restored to their design condition immediately following stabilization of the site.
- Contractor shall submit Notice of Termination for MPCA-NPDES permit within 30 days after Final Stabilization.

GRADING NOTES

- Tree protection consisting of snow fence or safety fence installed at the drip line shall be in place prior to beginning any grading or demolition work at the site.
- All elevations with an asterisk (*) shall be field verified. If elevations vary significantly, notify the Engineer for further instructions.
- Grades shown in paved areas represent finish elevation.
- Restore all disturbed areas with 4" of good quality topsoil and seed/sod.
- All construction shall be performed in accordance with state and local standard specifications for construction.
- Add 1000' to spot elevations and contours listed for NAV 88 elevation datum.

LEGEND



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BARNESVILLE, MINNESOTA

ADDITIONS AND REMODELING
BID PACKAGE 1



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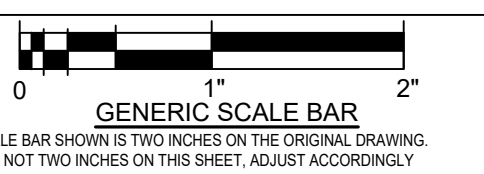
I hereby certify that this plan, specifications or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the state of Minnesota.

Eric G. Meyer
 Eric G. Meyer, P.E.
 Date: 01.31.20 Lic. No.: 44592

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NO.	DATE	REVISION
1	02.21.2020	ADDENDUM 1
2	03.24.2020	PR 001
3	05.22.2020	PR 007
4	06.04.2020	PR 008
5	07.14.2020	PR 011

GRADING AND EROSION CONTROL PLAN



DATE: 01-31-2020
 SCALE: 1/12" = 1'-0"
 DWN: NJN CHK: EGM
 PROJ. NO: 12196161
 DWG. NO:

C300

C. Proposal Request (PR) 12

Wendel

PROPOSAL REQUEST

401 2nd Avenue North
Suite 206
Minneapolis, MN 55401

Phone: (612) 332-1401

No. 012

TITLE: *Area B Science Changes* **DATE:** 06/29/2020

PROJECT: *Barnesville Public Schools Additions and Remodeling* **PROJECT NO:** 478201

TO: Brad Bednar
RA Morton Construction Managers.
3315 Roosevelt Road, Suite 100
St. Cloud, MN 56301

An itemized proposal must be submitted for any modification or change in the Contract Sum and/or Contract Time of the Contract Documents described herein. Within Seven (7) days of the date of this Request for Proposal, the Contractor must either (i) submit an itemized proposal or (ii) notify the Architect in writing of the anticipated date on which the itemized proposal will be submitted.

THIS IS NOT A CHANGE ORDER, A CONSTRUCTION CHANGE DIRECTIVE OR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED IN THE PROPOSED MODIFICATIONS.

DESCRIPTION

MECHANICAL

1. Refer to attached Obernel Mechanical PR-12.

ARCHITECTURAL

2. Sheet A-1102 – HS – First Floor Plan – Area B
 - a. Chemistry 116: Infill unused floor trenches at removed utilities with concrete to match existing floor slab as required to receive new flooring finish. Coordinate with mechanical/electrical contractor for extent of scope required.
 - b. Hall 1300: Above new door 122A there will be a wall opening where existing frame with transom removed, approximately 40” square area. Infill space with Wall Type S6-2. Paint gypsum board both sides.
3. Sheet A-1902 – HS – First Floor Finish Plan – Area B.
 - a. Revise flooring in Rooms 130, 130A and 130B to CPT-2, carpet tile, quarter-turn installation pattern.

By: Dan Goemann

Attachments: Obernel PR-12.

Cc: Mark Hoffmann, Don Emslander,
Nicki Benjamin, Dr. Jon Ellerbusch, Tom Gray

PROPOSAL REQUEST – PR 12

Date	June 25, 2020
Project #	2019282
Project Name	Barnesville High School
Project Location	Barnesville, MN
Description	High School Science Classroom

Please submit an itemized quotation for the change(s) described below to the proposed modifications to the Contract Documents. Cost proposal to include a detailed itemized breakdown indicating the specific amounts, lengths, quantities, types, sizes, etc. of material including labor, O&P, taxes, and other incidental charges to be used. Proposal shall also indicate credits, deducts, and/or offsets for material and labor originally included in contract. THIS IS NOT A CHANGE ORDER OR DIRECTION TO PROCEED WITH WORK STATED HEREIN.

Based on field conditions, the waste line in the chemistry room is to be demo'd and replaced with new up to the point indicated. If, it is needed to be extended into the Biology room for those sinks to hit the invert, that work shall be done on a time and material basis (just extending the main, the routing/floor cutting of the sinks should have been picked up in previous PR for plan review).

Also attached is a sketch provided by the contractor for routing the waste and vent lines for the sinks in the science area. The routing proposed is acceptable. If this routing provides savings for what was included in PR 06, include this here.

Respectfully,
Obernel Engineering

Erik Aakhus

Attachment(s):

Cc:

PLUMBING SHEET NOTES:

P1 DISCONNECT AND REMOVE EXISTING SANITARY WASTE AND VENT PIPING INCLUDING ALL FITTINGS, HANGERS, SUPPORTS, ETC. PREPARE REMAINING PIPING FOR CONNECTION TO NEW, CAP ANY ABANDONED PIPES.

P2 DISCONNECT AND REMOVE EXISTING DOMESTIC WATER PIPING INCLUDING ALL VALVES, FITTINGS, INSULATION, ETC. PREPARE REMAINING PIPING FOR CONNECTION TO NEW, CAP PIPING THAT IS TO NOT BE EXTENDED.

P3 DISCONNECT AND REMOVE EXISTING GAS PIPING INCLUDING ALL FITTINGS, HANGERS, VALVES, ETC. PREPARE REMAINING PIPING FOR CONNECTION TO NEW, CAP PIPING THAT IS TO NOT BE EXTENDED.



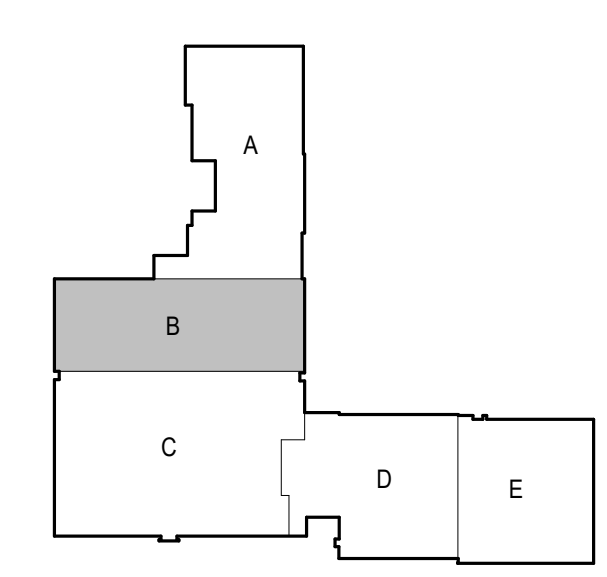
BARNESVILLE PUBLIC SCHOOLS

BARNESVILLE, MINNESOTA

**ADDITIONS AND REMODELING
CONSTRUCTION DOCUMENTS**



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Engineer: ERIK AAKHUS

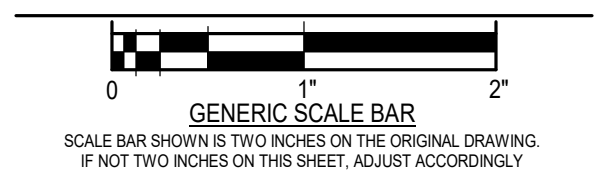
Erik Aakhus

Date: 06/25/2020 Reg. No.: 57315

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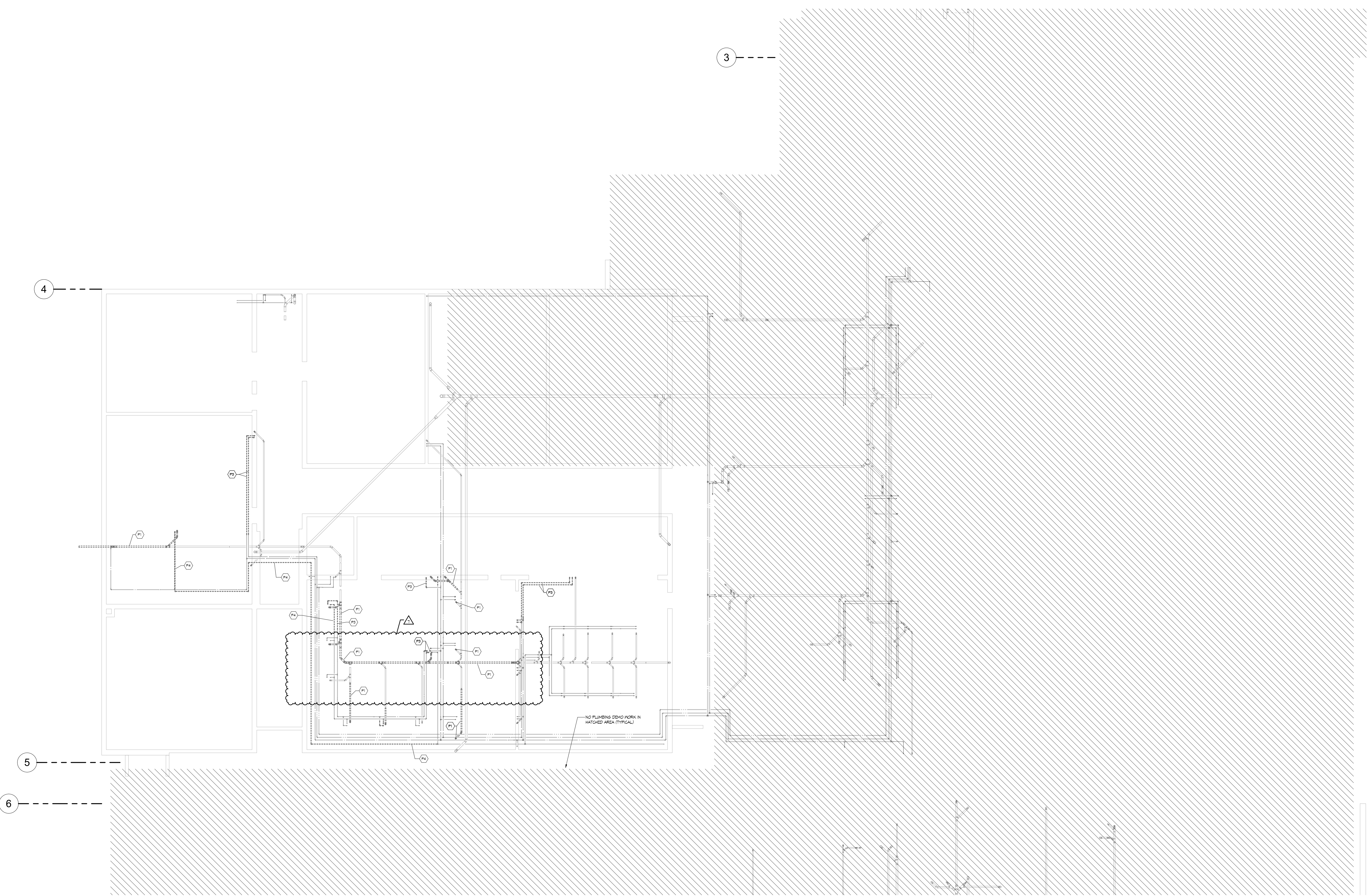
NO.	DATE	REVISION
1	04/16/20	ADDENDUM#2
5	5/21/20	PR#6
7	Date 7	PR#12

DWG. TITLE:
**H.S. - FOUNDATION
DEMOLITION PLAN - AREA B -
PLUMBING**



DATE: 3/27/2020
SCALE: As indicated
DWN: JLN, BJP, TPB CHK: ESA
PROJ. No.: 2019282
DWG. No.:

MD-1202



1 FOUNDATION PLAN - PLUMBING DEMOLITION - AREA B
MD-1202 SCALE: 1/8" = 1'-0"



BARNESVILLE PUBLIC SCHOOLS

BARNESVILLE, MINNESOTA

ADDITIONS AND REMODELING

CONSTRUCTION DOCUMENTS



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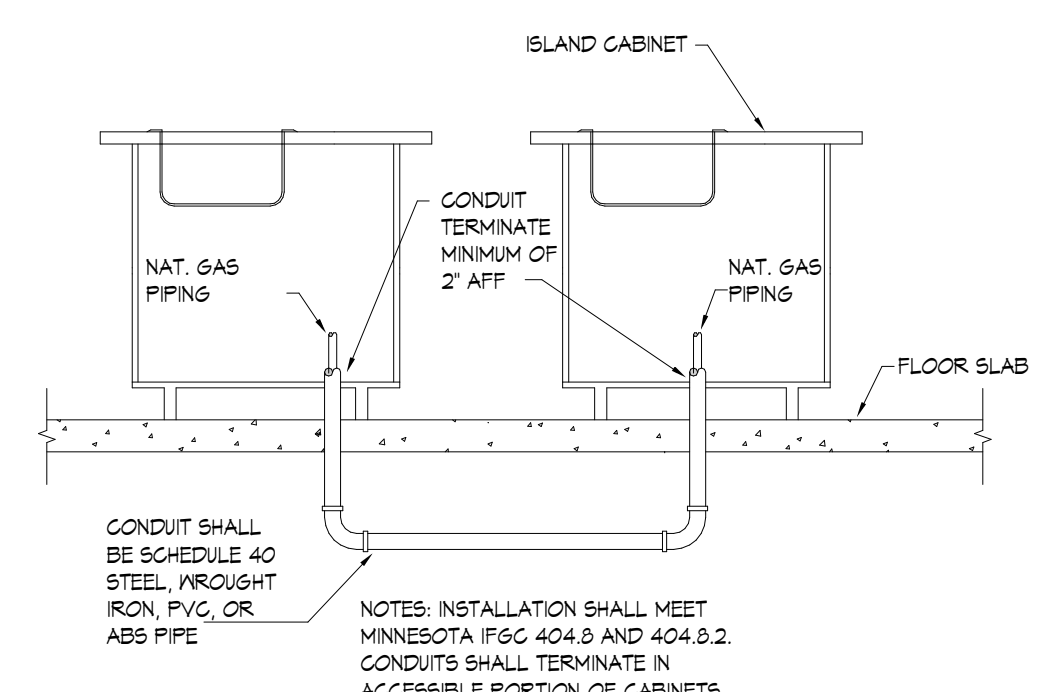
PLUMBING SHEET NOTES:

- P12 1/2" NS UP TO CABINET; ROUTE 1/2" NS IN CABINET TO GAS TURRET; NOT UNDER GROUND.
- P13 1/2" NS UP TO CABINET BASE; 1/2" TO GAS TURRET ON THIS CABINET; 1/2" IN TO LAB STATION TO NEW LAB STATION; PROVIDE CONDUIT PER CODE FROM THIS LAB SPACE TO NEXT LAB SPACE TO ROUTE PIPING IN.
- P14 1/2" NS UP FROM EXISTING LINE TO CABINET; ROUTE NS TO GAS TURRETS AND FINE HOSE IN THE CABINETS.
- P15 1/2" NS IN CONDUIT; SEE MINNESOTA FUEL AND GAS CODE 404.8.2.

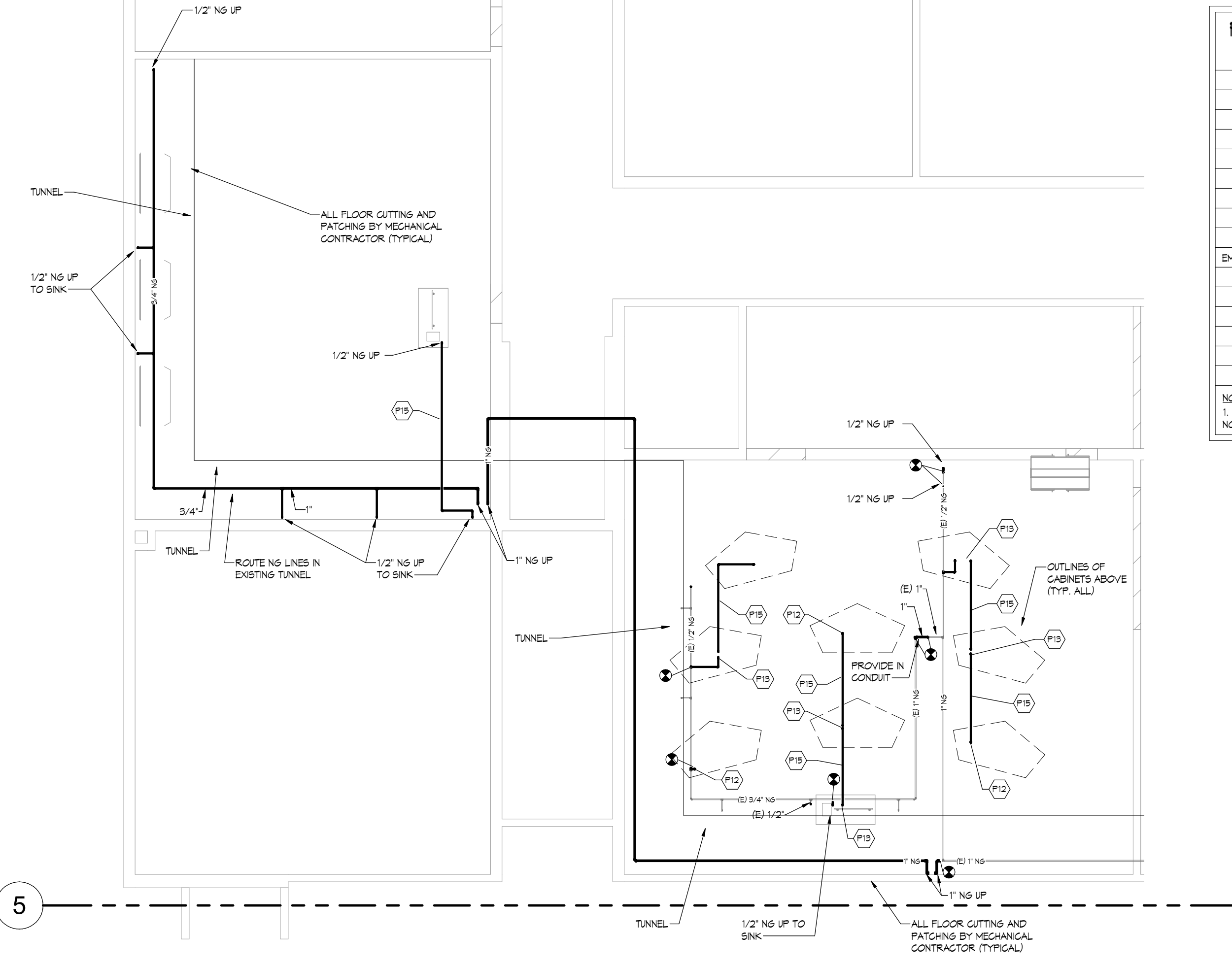
PLUMBING FIXTURE ROUGH-IN CONNECTION SCHEDULE

FIXTURE	WASTE	VENT	GA	HA
WALL HYDRANT	-	-	3/4"	-
CLEAN OUT	4"	-	-	-
FLOOR DRAIN	2"	2"	-	-
FLOOR SINK	2"	2"	-	-
LAVATORY	2"	2"	1/2"	1/2"
WATER CLOSET (FV)	4"	2"	1"	-
URINAL	2"	2"	3/4"	-
SHOWER	2"	2"	3/4"	3/4"
EMERG. EYE WASH/SHOWER	2"	2"	3/4"	3/4"
SINK	2"	2"	1/2"	1/2"
ENC	2"	2"	1/2"	-
MIXING VALVE	-	-	3/4"	3/4"
MOP BASIN	3"	2"	3/4"	3/4"
HOSE BIBB	-	-	3/4"	-
WASH MACHINE TRIM	2"	2"	3/4"	3/4"

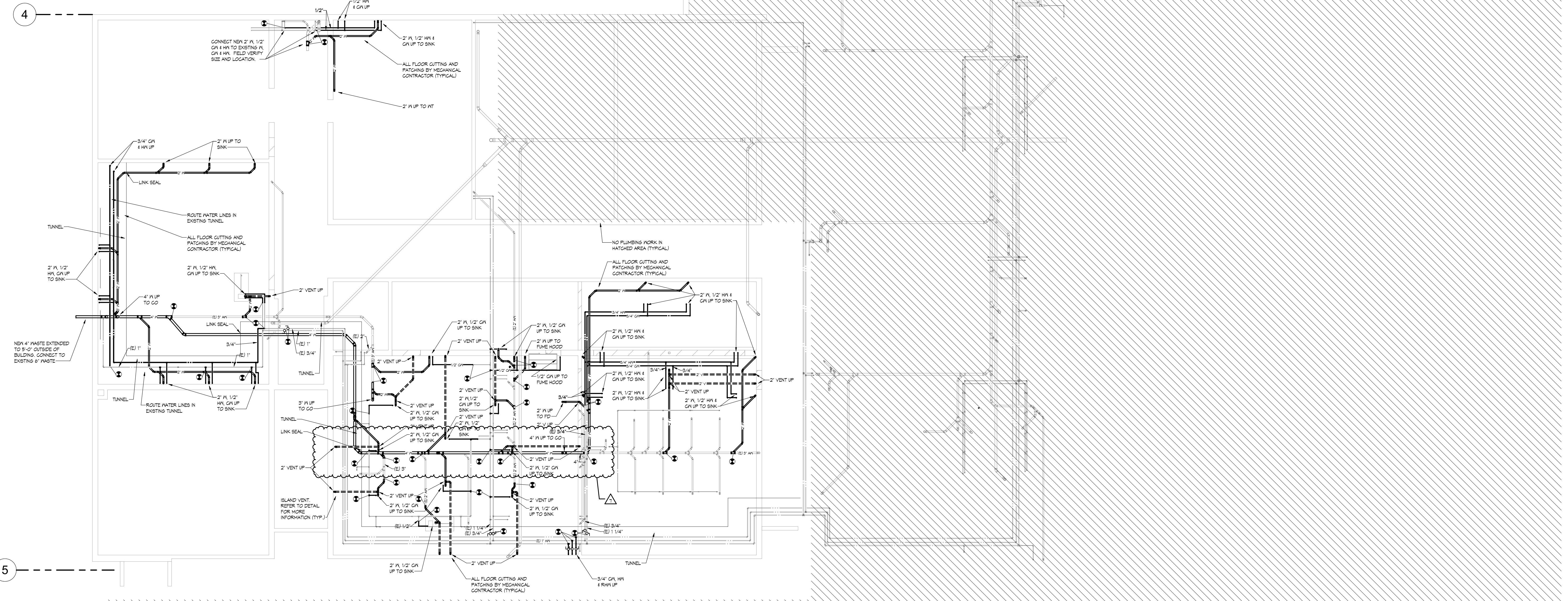
NOTES:
 1. SIZES SHALL BE AS SCHEDULED UNLESS OTHERWISE NOTED ON DRAWINGS.



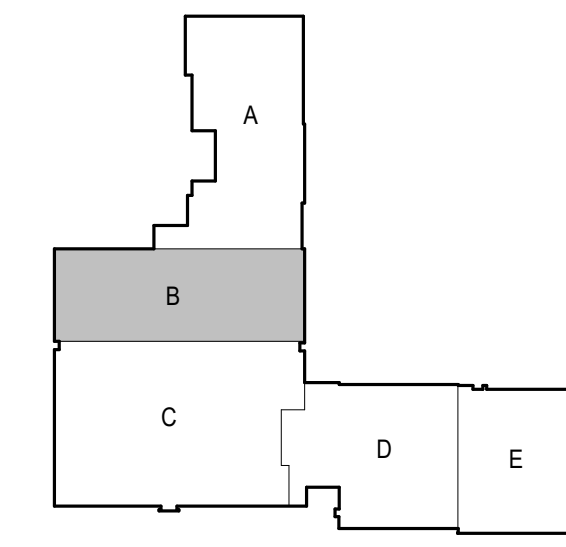
3 UNDERGROUND NATURAL GAS DETAIL
 SCALE: NTS



2 FOUNDATION PLAN - NATURAL GAS PIPING - PARTIAL AREA B
 SCALE: 1/8" = 1'-0"



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



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

Engineer: ERIK AAKHUS

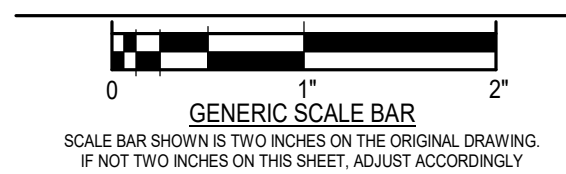
Date: 06/25/2020 Reg. No.: 57315

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REVISIONS

NO.	DATE	REVISION
1	04/16/20	ADDENDUM#2
4	5/20/20	PR#5
5	5/21/20	PR#6
7	Date 7	PR#12

DWG. TITLE:
H.S. - FOUNDATION PLAN - AREA B - PLUMBING



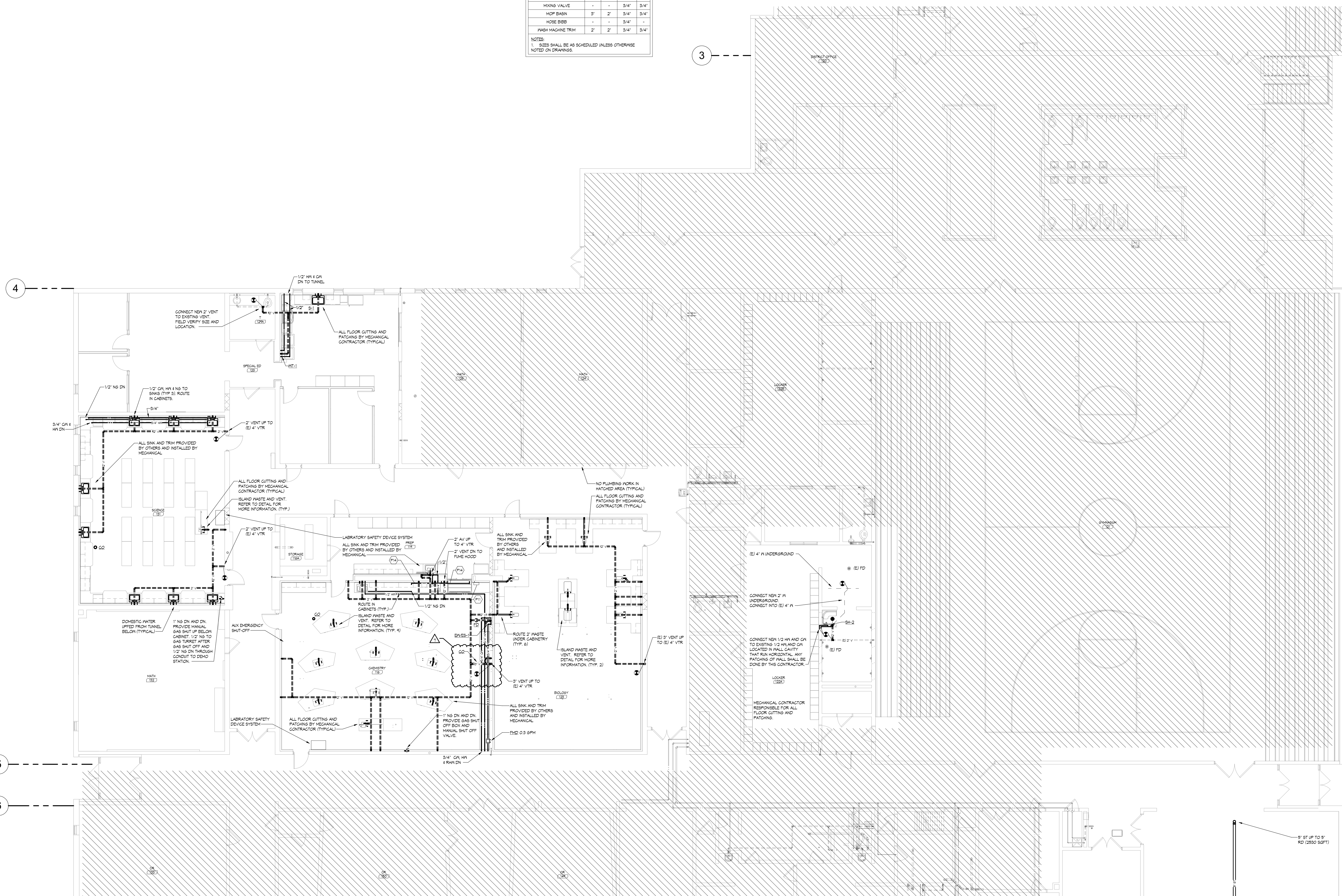
DATE: 3/27/2020
 SCALE: As indicated
 DWN: JLN, BJP, TPB CHK: ESA
 PROJ. No.: 2019282
 DWG. No.:

M-1202

PLUMBING SHEET NOTES:
 P11 ROUTE 1/2" CN THROUGH VACUUM BREAKER ASSEMBLY SIMILAR TO A-012-00-P PRIOR TO ENTERING FUME HOOD
 P14 1/2" NS UP FROM EXISTING LINE TO CABINET. ROUTE NS TO GAS TURRETS AND FUME HOOD IN THE CABINETS.

FIXTURE	WASTE	VENT	CA	HR
WALL HYDRANT	-	-	3/4"	-
CLEAN OUT	4"	-	-	-
FLOOR DRAIN	2"	2"	-	-
FLOOR SINK	2"	2"	-	-
LAVATORY	2"	2"	1/2"	1/2"
WATER CLOSET (F.V.)	4"	2"	1"	-
URNAL	2"	2"	3/4"	-
SHOWER	2"	2"	3/4"	3/4"
DIERS, EYE WASH/SHOWER	2"	2"	3/4"	3/4"
SINK	2"	2"	1/2"	1/2"
ENC	2"	2"	1/2"	-
MIXING VALVE	-	-	3/4"	3/4"
MOP BASK	3"	2"	3/4"	3/4"
HOSE BBB	-	-	3/4"	-
WASH MACHINE TRM	2"	2"	3/4"	3/4"

NOTES:
 1. SIZES SHALL BE AS SCHEDULED UNLESS OTHERWISE NOTED ON DRAWINGS.



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



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BARNESVILLE, MINNESOTA

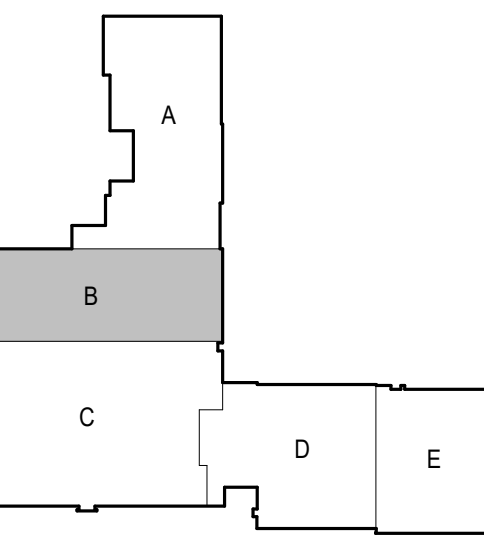
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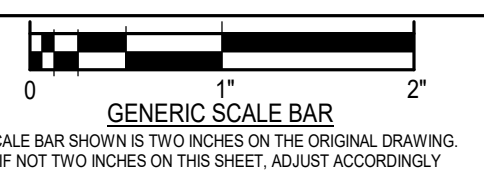
Engineer: **ERIK AAKHUS**

Date: 06/25/2020 Reg. No.: 57315

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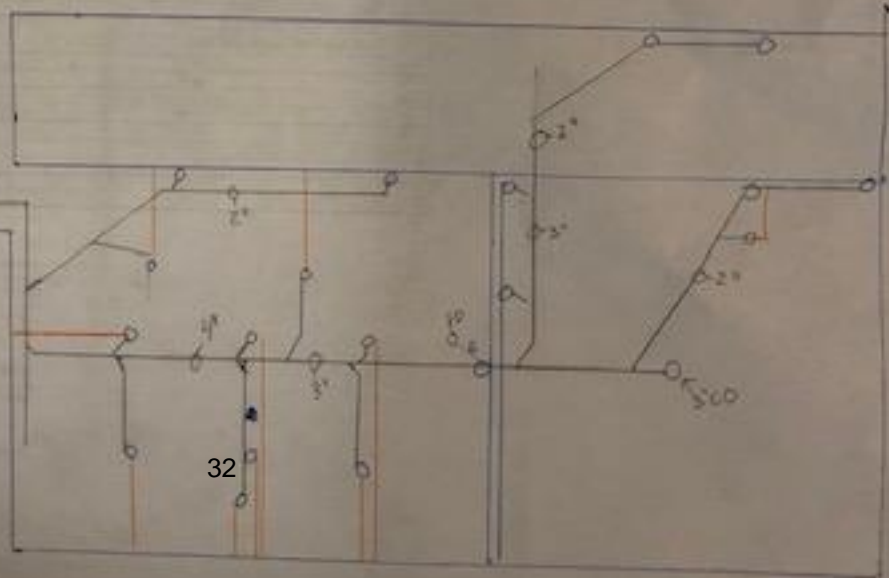
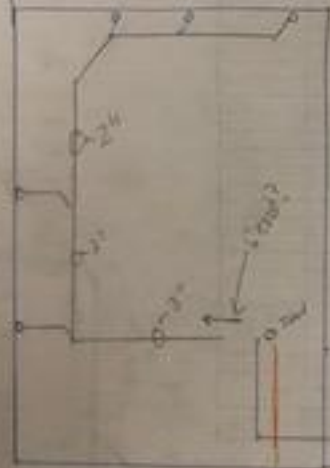
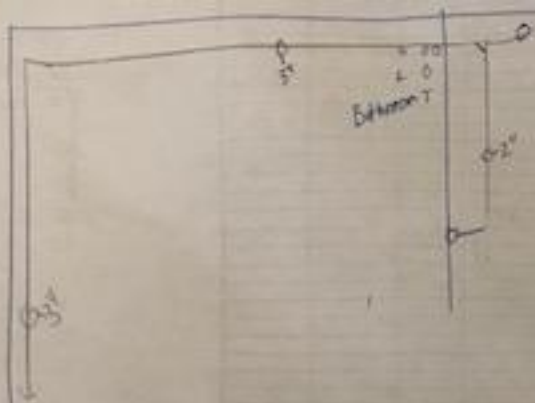
NO.	DATE	REVISION
1	04/16/20	ADDENDUM#2
2	04/22/20	ADDENDUM#3
4	5/20/20	PR#5
5	5/21/20	PR#6
7	Date 7	PR#12

H.S. - FIRST FLOOR PLAN - AREA B - PLUMBING



DATE: 3/27/2020
 SCALE: As indicated
 DWN: J.JN, B.JP, T.PB CHK: ESA
 PROJ. No.: 2019282
 DWG. No.:

M-1212



D. Proposal Request (PR) 13

Wendel

PROPOSAL REQUEST

401 2nd Avenue North
Suite 206
Minneapolis, MN 55401

Phone: (612) 332-1401

No. 013

TITLE: *Locker Room Changes* **DATE:** 06/25/2020
PROJECT: *Barnesville Public Schools Additions and Remodeling* **PROJECT NO:** 478201
TO: Brad Bednar
RA Morton Construction Managers.
3315 Roosevelt Road, Suite 100
St. Cloud, MN 56301

An itemized proposal must be submitted for any modification or change in the Contract Sum and/or Contract Time of the Contract Documents described herein. Within Seven (7) days of the date of this Request for Proposal, the Contractor must either (i) submit an itemized proposal or (ii) notify the Architect in writing of the anticipated date on which the itemized proposal will be submitted.

THIS IS NOT A CHANGE ORDER, A CONSTRUCTION CHANGE DIRECTIVE OR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED IN THE PROPOSED MODIFICATIONS.

DESCRIPTION

STRUCTURAL

- I. Refer to the attached sketches dated 06/19/2020.
 - 1. At 176B and 177B, provide core fill in masonry walls as indicated.

ARCHITECTURAL

- I. PROJECT MANUAL
 - 1. Refer to Section 102800 – Toilet and Bath Accessories, Part 3.3F
 - A. At Room 176, delete one (1) Mirror 24x36.
 - B. At Room 177, delete:
 - i. One (1) Mirror 24x36
 - ii. Two (2) Grab Bars (@ Ambulatory Stall) 001 x 42 horiz.
 - iii. Two (2) Grab Bars (@ Ambulatory Stall) 001 x 18 vert.
 - iv. Three (3) Sanitary Napkin Disposal Unit

II. DRAWINGS

- 1. Refer to Sheet A-1650 – HS – Enlarged Toilet Plans
 - A. Revise plumbing fixtures and bath accessories as indicated. Refer to Mech.
 - B. At 176B and 177B revise masonry wall type to be M8 at shower wall.

MECHANICAL

- I. Refer to Obernel PR-13 dated 6/25/2020.

By: Nicki Benjamin

Attachments: Obernel PR-13, LEI Sketches, A-1650, M-1204, M-1214

Cc: Mark Hoffmann, Don Emslander, Dan Goemann, Dr. Jon Ellerbusch, Tom Gray

PROPOSAL REQUEST – PR 13

Date	June 25, 2020
Project #	2019282
Project Name	Barnesville High School
Project Location	Barnesville, MN
Description	High School Locker Room

Please submit an itemized quotation for the change(s) described below to the proposed modifications to the Contract Documents. Cost proposal to include a detailed itemized breakdown indicating the specific amounts, lengths, quantities, types, sizes, etc. of material including labor, O&P, taxes, and other incidental charges to be used. Proposal shall also indicate credits, deducts, and/or offsets for material and labor originally included in contract. THIS IS NOT A CHANGE ORDER OR DIRECTION TO PROCEED WITH WORK STATED HEREIN.

See attached for updated locker room layouts. Urinals were added, and lavatories were removed.

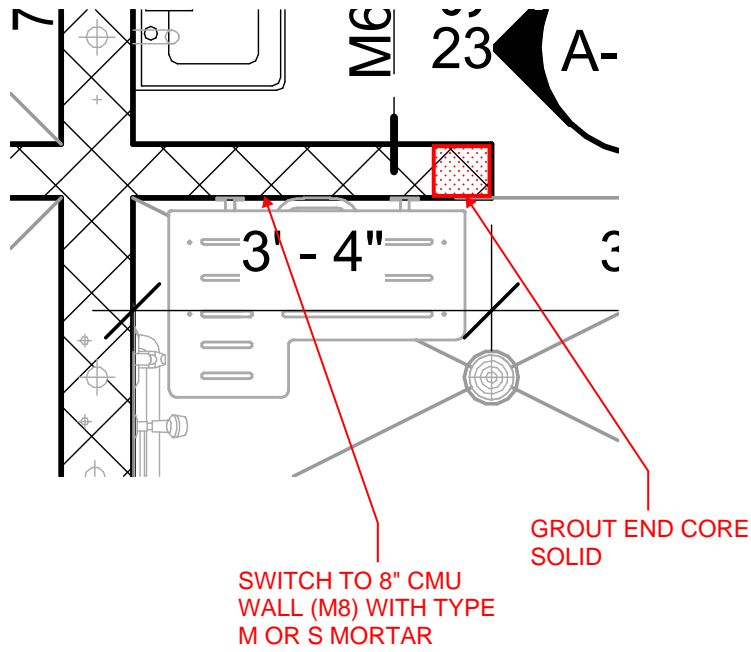
Respectfully,
Obernel Engineering

Erik Aakhus

Attachment(s):
Cc:

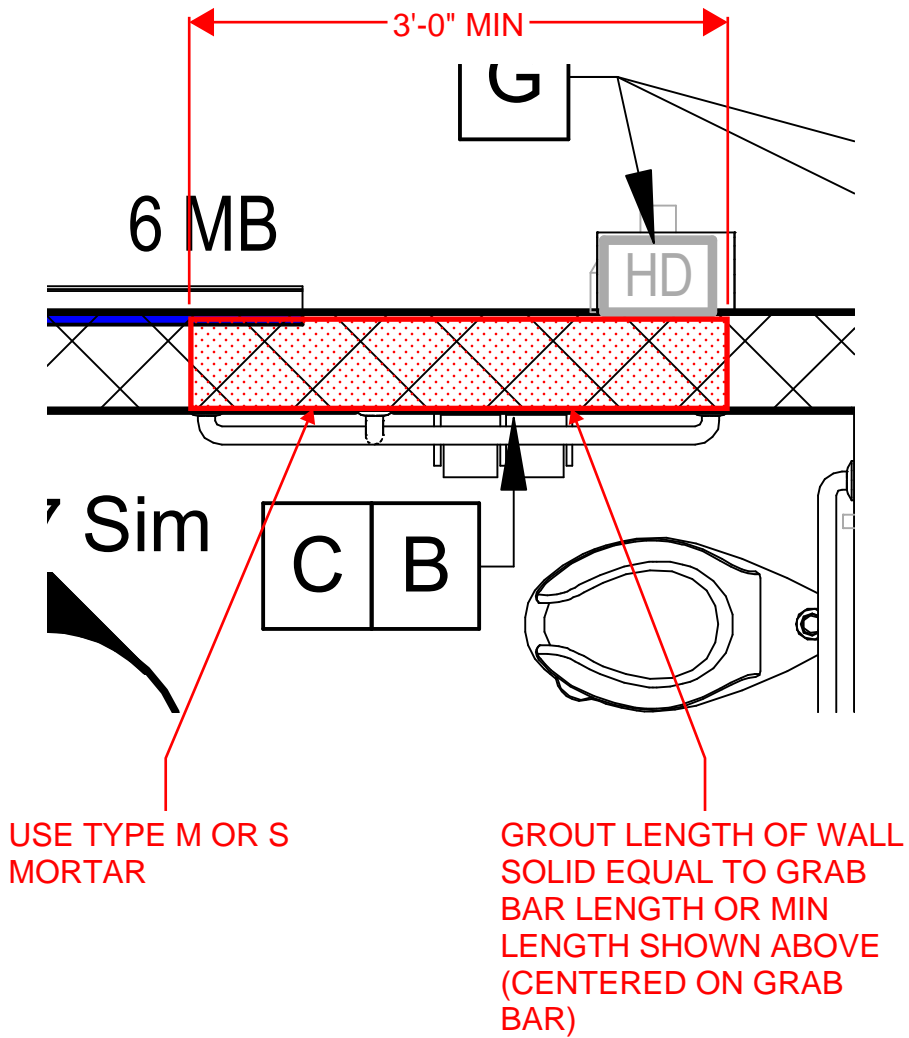


M6 - SHOWER BENCH





M8 - GRAB BAR





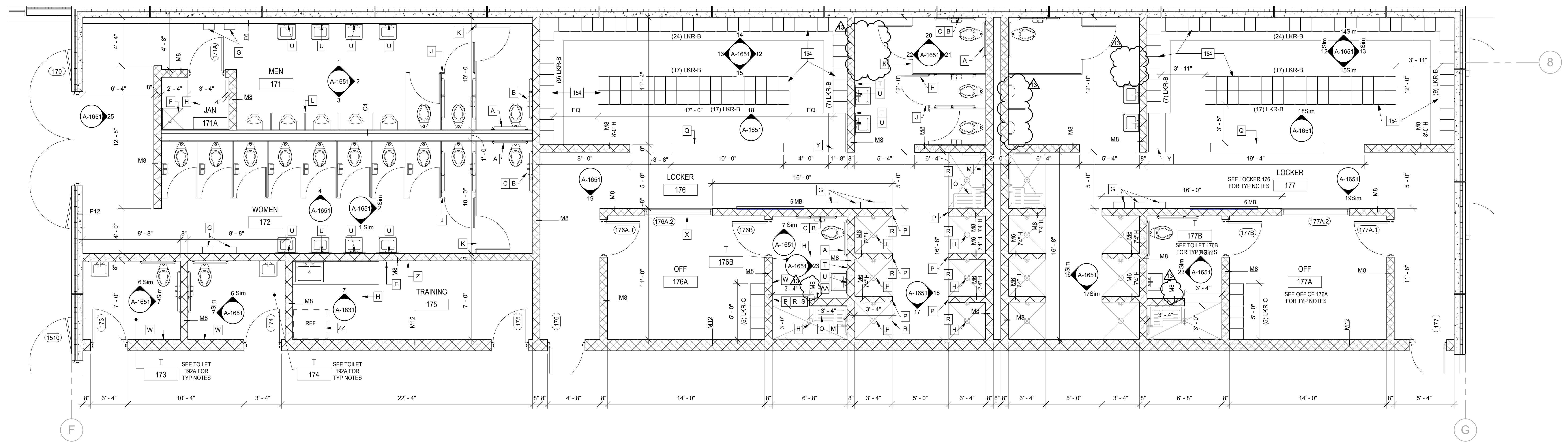
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BARNESVILLE, MINNESOTA

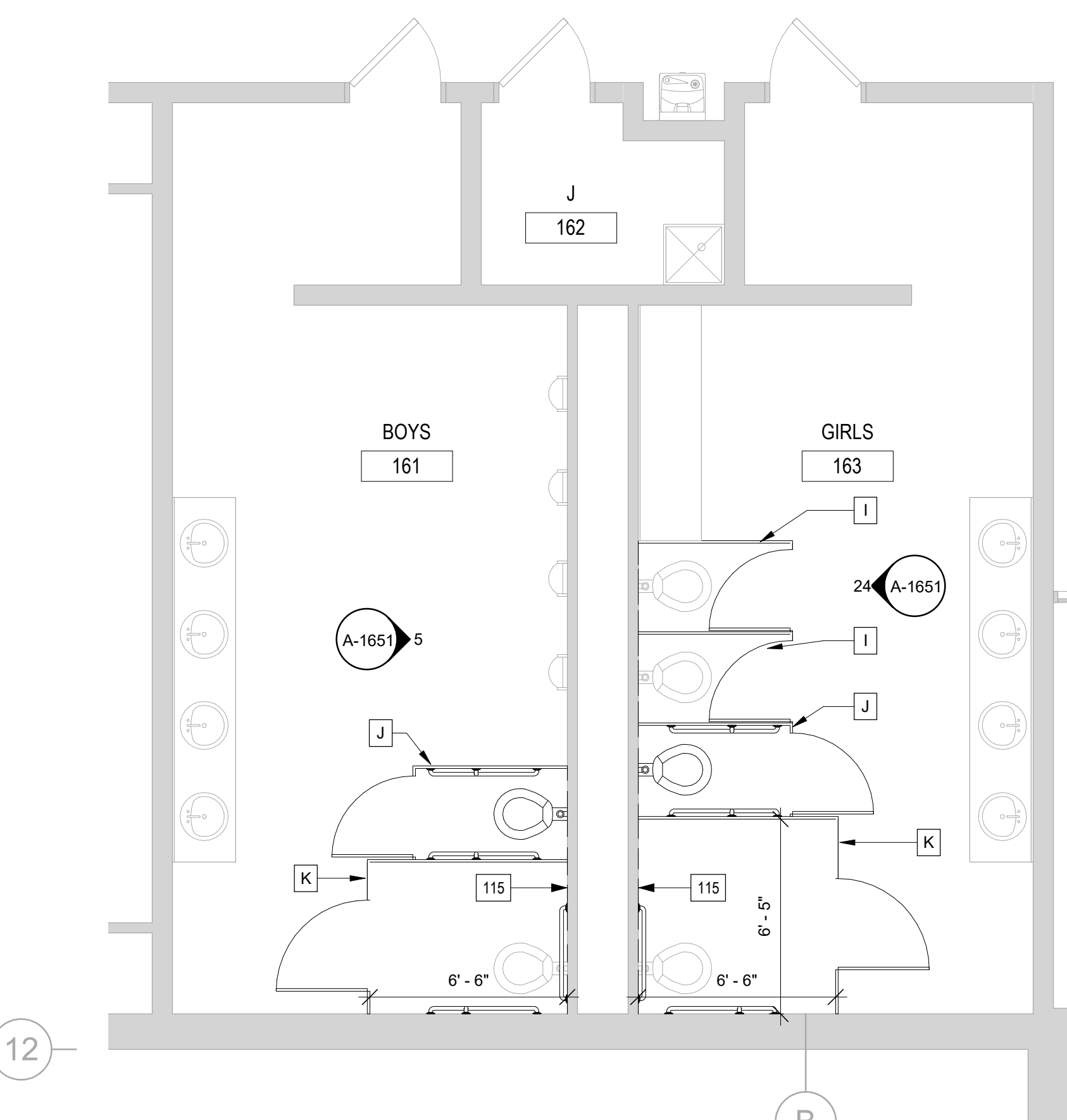
ADDITIONS AND REMODELING
BID PACKAGE 2



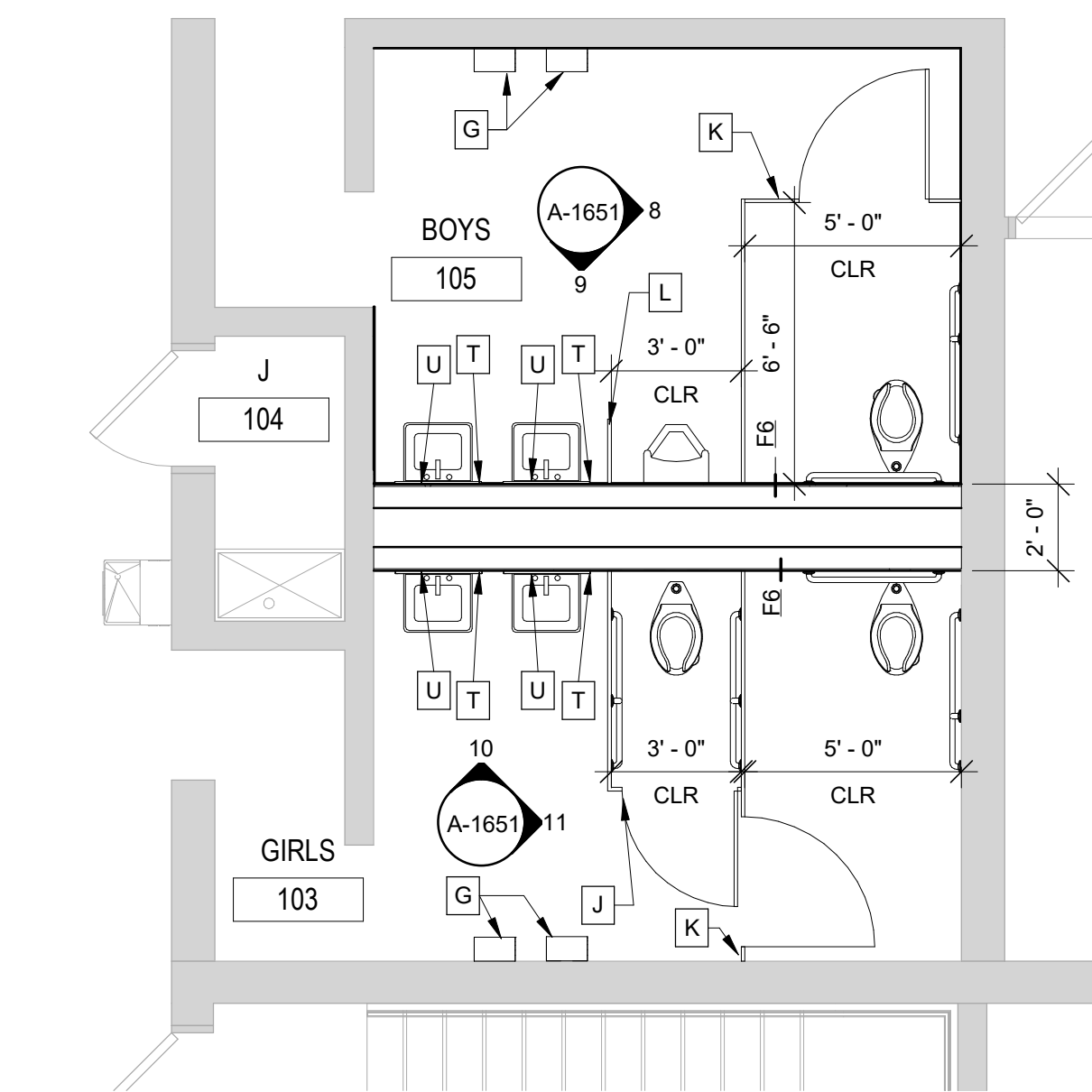
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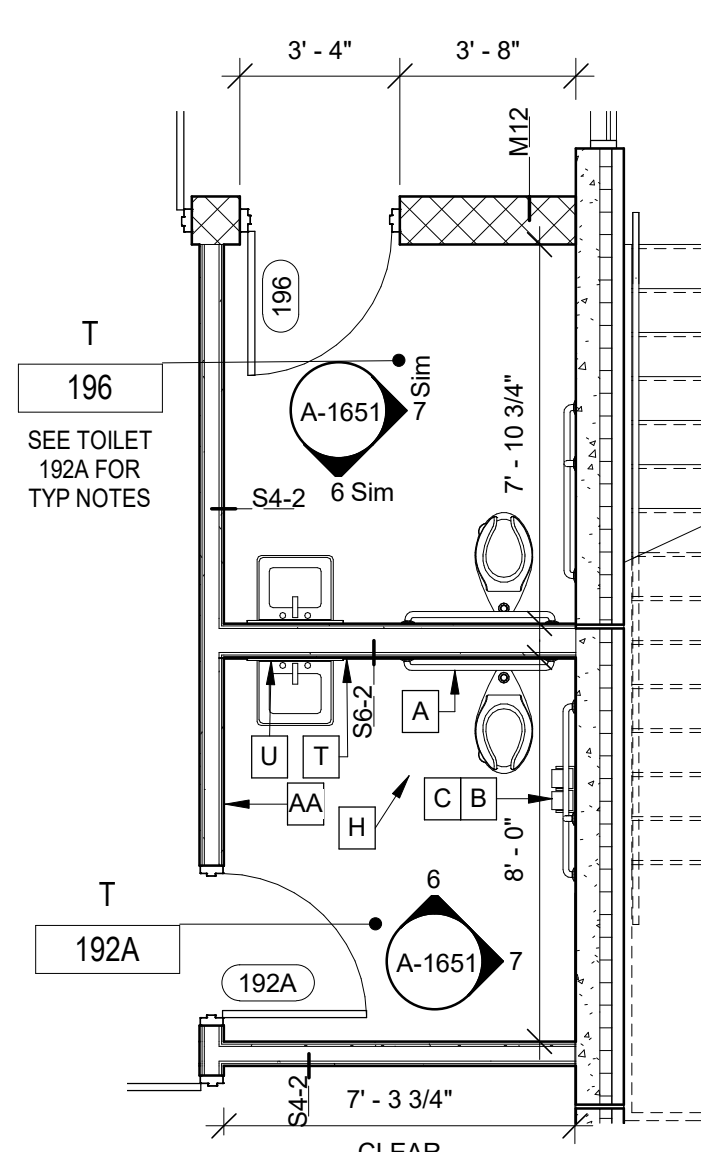
1 TOILET PLAN - AREA D LOCKERS
SCALE: 1/4" = 1'-0"



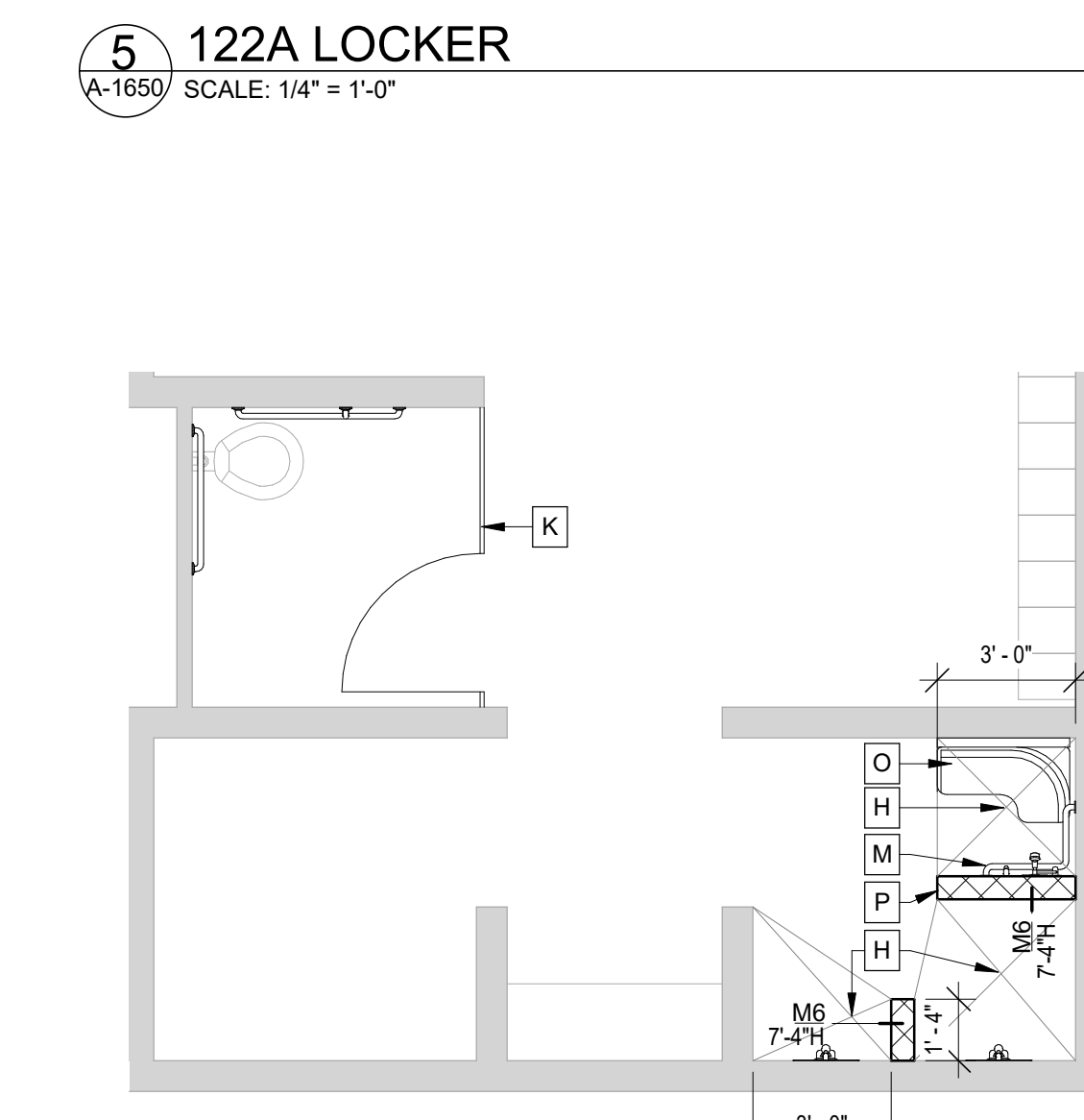
2 TOILET PLAN - BOYS 161 - GIRLS 163
SCALE: 1/4" = 1'-0"



3 TOILET PLAN - GIRLS 103 - BOYS 105
SCALE: 1/4" = 1'-0"



4 TOILET PLAN - STAGE
SCALE: 1/4" = 1'-0"



6 148A - LOCKER
SCALE: 1/4" = 1'-0"

TOILET PLAN KEYNOTES	
Number	Description
A	GRAB BARS - 36" LONG BEHIND TOILET AND 42" LONG BESIDE TOILET, MOUNTED AT 34" AFF TO CENTER OF GRAB BARS. PROVIDE 18" VERTICAL GRAB BAR PER THE STANDARD MOUNTING HEIGHT DETAILS
AA	TOWEL DISPENSER - BY OWNER
B	TOILET PAPER DISPENSER - BY OWNER
C	SANITARY NAPKIN RECEPTACLE
D	CHILDRENS HEIGHT GRAB BARS - 36" LONG BEHIND TOILET AND 42" LONG BESIDE TOILET, MOUNTED AT 24" AFF TO CENTER OF GRAB BARS. PROVIDE 18" VERTICAL GRAB BAR PER THE STANDARD MOUNTING HEIGHT DETAILS
E	ICE MACHINE - BY OWNER
F	MOP SINK SEE PLUMBING
G	ELECTRIC HAND DRYER - SEE ELECT
H	FLOOR DRAIN - REFER TO MECHANICAL
I	TOILET PARTITION - SEE SPEC
J	3'-0" CLEAR WIDTH BY 5'-0" DEEP TOILET STALL SEE TYP MOUNTING HEIGHTS FOR GRAB BARS
K	5'-0" WIDE CLEAR ADA BARRIER FREE TOILET STALL. SEE TYP MOUNTING HEIGHTS FOR GRAB BARS
L	WALL MOUNTED URINAL SCREEN. 24" WIDE BY 42" HIGH. MOUNT AT MAX 12" AFF.
M	CONTINUOUS SHOWER GRAB BARS - 18" AND 36" LONG. MOUNT AT 34" AFF TO CENTER OF GRAB BARS
N	WASHFOUNT - SEE MECH
O	FOLDING SHOWER SEAT, MOUNT PER MN ACCESSIBILITY CODE REQUIREMENTS
P	ROBE/TOWEL HOOKS
Q	10" x 10'-0" BENCH, FASTEN TO FLOOR
R	SHOWER ROD AND CURTAIN
S	1/2" SHOWER ROLL CURB, SEE DETAIL 6/A200
T	SOAP DISPENSER - BY OWNER
U	24" x 36" MIRROR, MOUNTED AT 3'-4" AFF TO BOTTOM OF REFLECTIVE SURFACE
V	36" x 60" MIRROR, MOUNTED AT 2'-0" AFF TO BOTTOM OF REFLECTIVE SURFACE
W	BABY CHANGING STATION - WALL MOUNTED
X	FOLDING 42" W x 20" D DRESSING BENCH
Y	HANDICAP ACCESSIBLE BENCH - 20" X 48"
Z	WHIRLPOOL - BY OWNER
ZZ	REFRIGERATOR - BY OWNER

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Architect JAMES A. WILSON

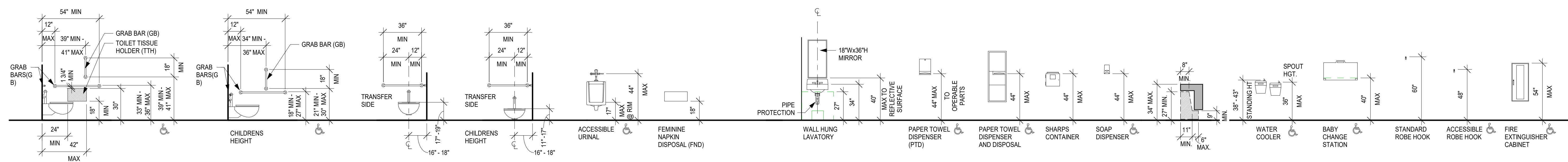
Date 1/27/2020 Reg. No. 18111

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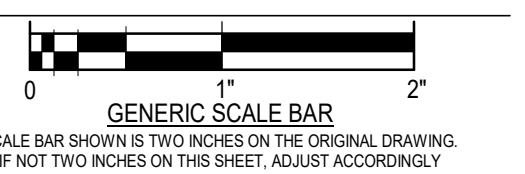
REVISIONS		
NO.	DATE	REVISION
5	04/22/2020	ADDENDUM #3
6	06/16/2020	ASI #3
13	06/25/2020	PR #13

DWG FILE

HS - ENLARGED TOILET PLANS

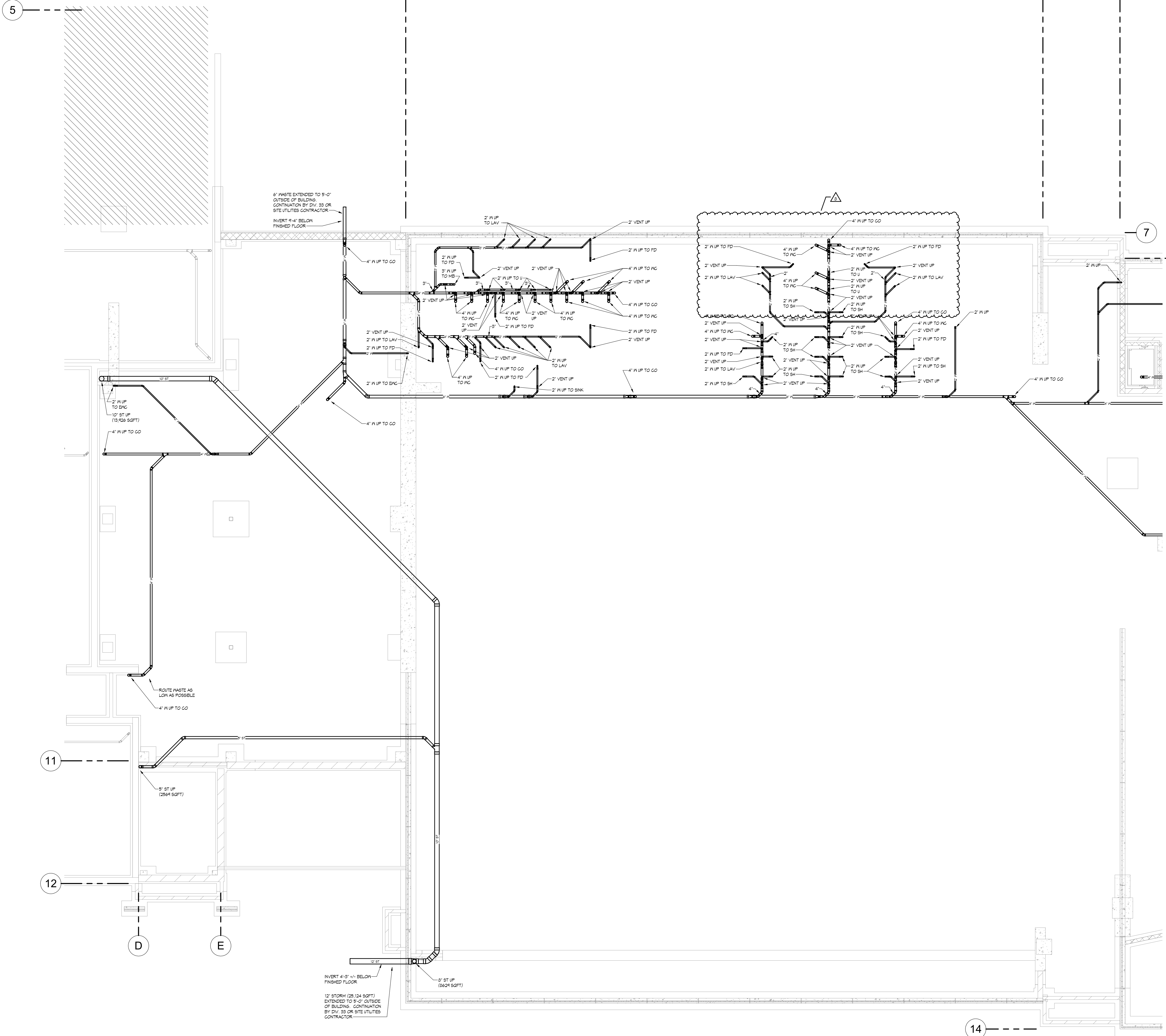


TYP FIXTURE MOUNTING HEIGHTS
SCALE: 1/4" = 1'-0"



GENERIC SCALE BAR	
SCALE BAR SHOWS TWO INCHES OF THE ORIGINAL DRAWING. IF ANY TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.	
DATE	03-27-2020
SCALE	1/4" = 1'-0"
DWN	Author
CHK	Checker
PRJ	478201
DWG	No.

A-1650



PLUMBING FIXTURE ROUGH-IN CONNECTION SCHEDULE

FIXTURE	WASTE	VENT	GV	HPI
FLOOR HYDRANT	-	-	3/4"	-
CLEAN OUT	4"	-	-	-
FLOOR DRAIN	2"	2"	-	-
FLOOR SINK	2"	2"	-	-
LAVATORY	2"	2"	1/2"	1/2"
WATER CLOSET (FV)	4"	2"	1"	-
URINAL	2"	2"	3/4"	-
SHOWER	2"	2"	3/4"	3/4"
EMERG. EYE WASH/SHOWER	2"	2"	3/4"	3/4"
SINK	2"	2"	1/2"	1/2"
ENC.	2"	2"	1/2"	-
MIXING VALVE	-	-	3/4"	3/4"
HOP BASIN	5"	2"	3/4"	3/4"
HOSE BIBB	-	-	3/4"	-
WASH MACHINE TRIM	2"	2"	3/4"	3/4"

NOTES:
 1. SIZES SHALL BE AS SCHEDULED UNLESS OTHERWISE NOTED ON DRAWINGS.



BARNESVILLE PUBLIC SCHOOLS

BARNESVILLE, MINNESOTA

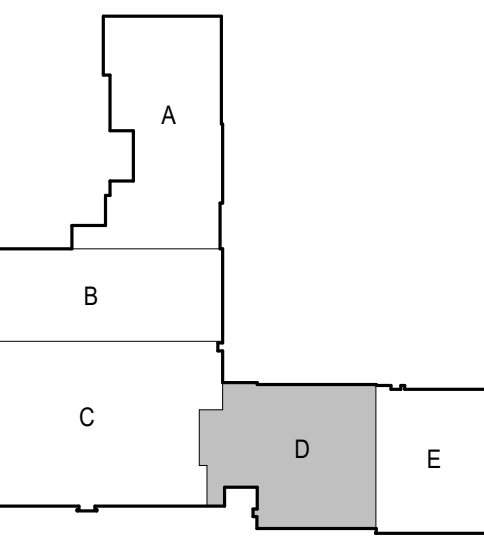
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Engineer: ERIK AAKHUS

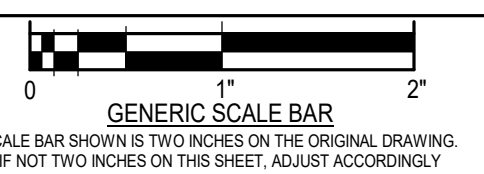
Erik Aakhus
 Date: 06/25/2020 Reg. No.: 57315

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NO.	DATE	REVISION
4	5/20/20	PR#5
6	6/18/20	ASI 03
8	6/24/20	PR#13

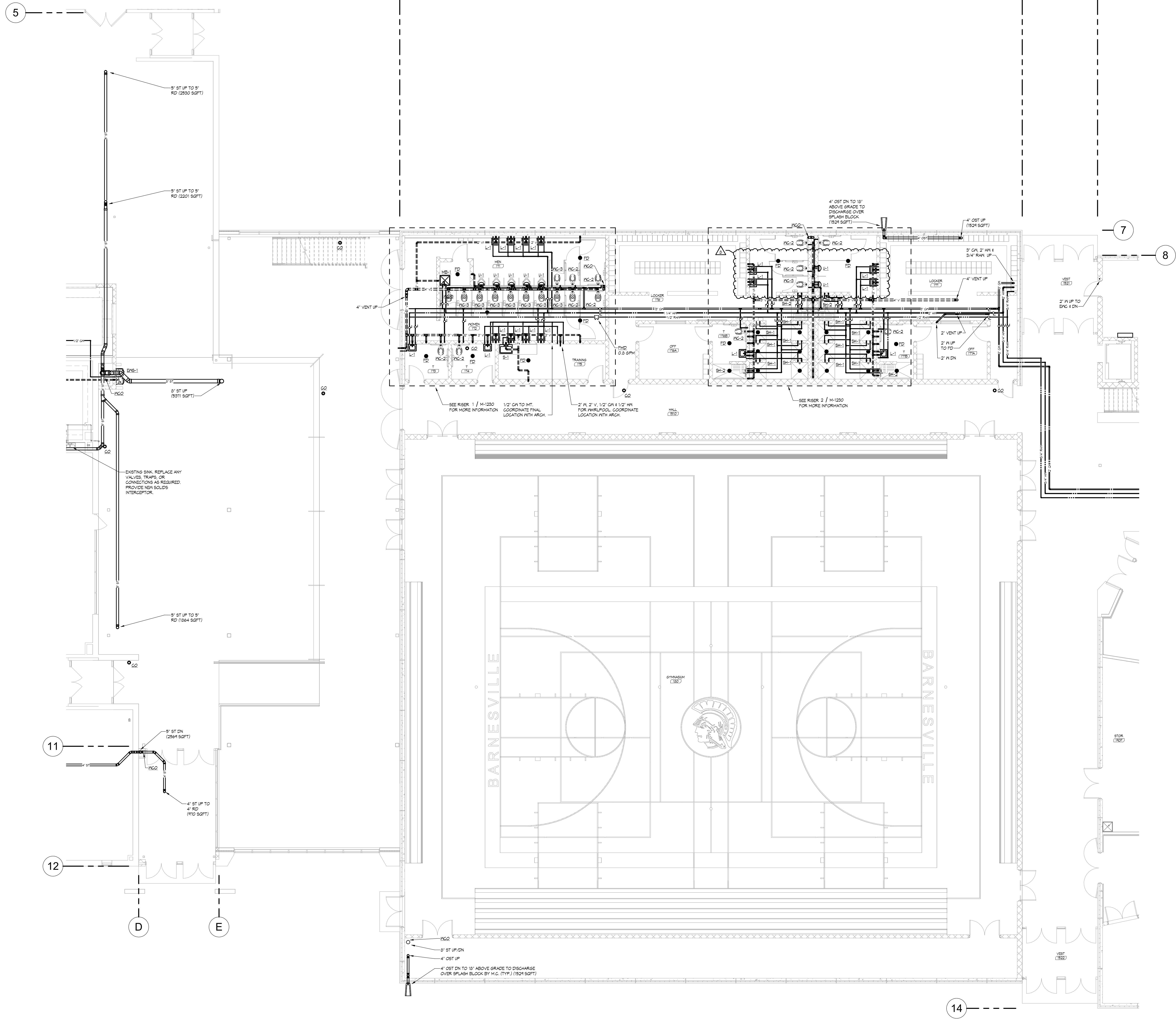
DWG. TITLE
H.S. - FOUNDATION PLAN - AREA D - PLUMBING



DATE: 3/27/2020
 SCALE: As indicated
 DWN: J.N., B.J.P., T.P.B. CHK: ESA
 PROJ. No.: 2019282
 DWG. No.:

M-1204

FOUNDATION PLAN - PLUMBING - AREA D
 SCALE: 1/8" = 1'-0"



PLUMBING FIXTURE ROUGH-IN CONNECTION SCHEDULE

FIXTURE	WASTE	VENT	CV	HP
WALL HYDRANT	-	-	3/4"	-
CLEAN OUT	4"	-	-	-
FLOOR DRAIN	2"	2"	-	-
FLOOR SINK	2"	2"	-	-
LAVATORY	2"	2"	1/2"	1/2"
WATER CLOSET (FV)	4"	2"	1"	-
URINAL	2"	2"	3/4"	-
SHOWER	2"	2"	3/4"	3/4"
EMERG. EYE WASH/SHOWER	2"	2"	3/4"	3/4"
SINK	2"	2"	1/2"	1/2"
ENC.	2"	2"	1/2"	-
MIXNG VALVE	-	-	3/4"	3/4"
HOP BASIN	3"	2"	3/4"	3/4"
HOSE BIBB	-	-	3/4"	-
WASH MACHINE TRIM	2"	2"	3/4"	3/4"

NOTES:
 1. SIZES SHALL BE AS SCHEDULED UNLESS OTHERWISE NOTED ON DRAWINGS.



BARNESVILLE PUBLIC SCHOOLS

BARNESVILLE, MINNESOTA

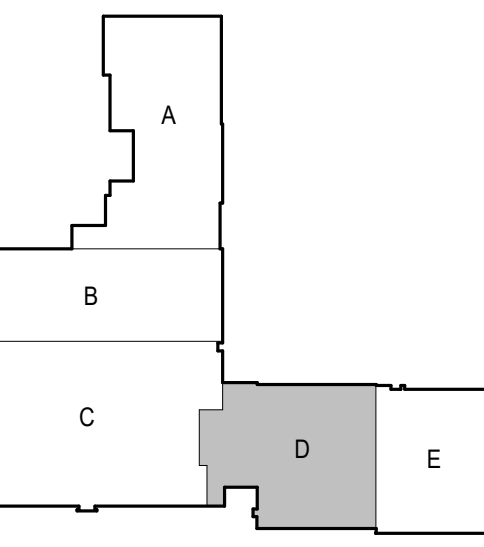
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Engineer: **ERIK AAKHUS**

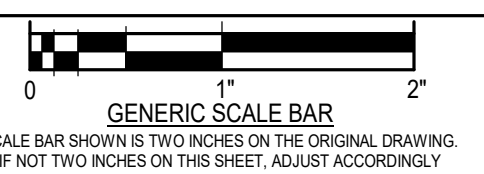
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REVISIONS

NO.	DATE	REVISION
8	6/24/20	PR#13

DWG. TITLE
H.S. - FIRST FLOOR PLAN - AREA D - PLUMBING



DATE: 3/27/2020
 SCALE: As indicated
 DWN: J.J.N, B.J.P, T.P.B CHK: E.S.A
 PROJ. No.: 2019282
 DWG. No.:

M-1214

1 FIRST FLOOR PLAN - HS - PLUMBING - AREA D
 SCALE: 1/8" = 1'-0"

E. Proposal Request (PR) 14

Updated data runs in the High School Science Classrooms.

F. Reselection of carpet tile and LVT

First chosen product colors will not be available in time. We are using the gray tile in the entire classroom and eliminating the purple band around the perimeter.

3. Construction Schedule