



## City of Ketchum

March 15, 2020

Mayor Bradshaw and City Councilors  
City of Ketchum  
Ketchum, Idaho

Mayor Bradshaw and City Councilors:

### **Recommendation To Approve Change Order #4 to Contract 20454**

#### Recommendation and Summary

Staff is recommending the council provide authorization to the Mayor to sign Change Order #4 to Contract 20454 with CORE | Headwaters LLC:

**"I move to approve Change Order #4 in an amount of \$35,811, to Contract 20454 with CORE | Headwaters LLC and authorize the Mayor to sign the Change Order."**

The reasons for the recommendation are as follows:

- The City and the project team have made certain project changes, primarily to windows and doors, that have had a cost impact.

#### Introduction and History

The City of Ketchum approved the construction of a fire station on November 5, 2020. Since that time, the project team has worked to bring the project to construction. Change Order #4 was developed by the project team to address certain building usability issues that have arisen during the construction phase.

#### Analysis

Change Order #4 will provide for a building with increased usability as determined by the project team with input from the Ketchum Fire Department.

#### Sustainability Impact

There is no sustainability impact arising from this action.

#### Financial Impact

This change order will be funded from project contingency.

Attachments

- Attachment A: Change Order #4 Contract 20454

Project Description: Fire Station CM/GC

Change Order #:004

Effective Date:3/15/2021

Additional Time Granted:0 days

New Contract End Date: Unchanged

**Contract Price Impact**

Original Contract Price: \$9,320,940.00

Total of Prior Change Orders: \$ 14,028.00

Contract Price Prior to this Change Order: \$9,334,968.00

Increase / (Decrease) of this Change Order: \$ 35,811

Contract Price Incorporating this Change Order: \$ 9,370,779.00

**Acceptance**

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Neil Bradshaw, Mayor  
City of Ketchum



# Document G701™ – 2017

## Change Order

**PROJECT: (name and address)**

Ketchum Fire Station #1  
107 Saddle Road, Ketchum, ID

**OWNER: (name and address)**

City of Ketchum, Idaho  
480 E. Ave. N., PO Box 2315  
Ketchum, ID 83340

**CONTRACT INFORMATION:**

Contract For: Ketchum Fire Station #1  
Date:

**ARCHITECT: (name and address)**

Cole Architects, PLLC  
1008 W. Main Street  
Boise, ID 83702

**CHANGE ORDER INFORMATION:**

Change Order Number: 004  
Date: March 9, 2021

**CONTRACTOR: (name and address)**

CORE Headwaters, LLC  
900 Jet Stream Drive  
Rexburg, ID 83440

**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 attached spreadsheet of ten items.

The original	Contract Sum	was	\$	<u>9,320,940.00</u>
The net change by previously authorized Change Orders			\$	<u>14,028.00</u>
The	Contract Sum	prior to this Change Order was	\$	<u>9,334,968.00</u>
The	Contract Sum	will be increased by this Change Order in the amount of	\$	<u>35,811.00</u>
The new	Contract Sum	, including this Change Order, will be	\$	<u>9,370,779.00</u>
The Contract Time will be unchanged by			( 0 )	days.
The new date of Substantial Completion will be				

*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.**

Cole Architects, PLLC

ARCHITECT (Firm name)

*Crystal McColly*

SIGNATURE

Crystal McColly, Architect

PRINTED NAME AND TITLE

3/9/21

DATE

CORE Headwaters, LLC

CONTRACTOR (Firm name)

*Chris Schratwieser*

SIGNATURE

Chris Schratwieser Senior PM

PRINTED NAME AND TITLE

3/09/2021

DATE

City of Ketchum, Idaho

OWNER (Firm name)

*[Signature]*

SIGNATURE

PRINTED NAME AND TITLE

DATE

1	Change OFCI to CFCI for Dorm Shades	\$ 1,204.00
2	ASI #4 - Relocate Equipment	\$ 17,866.00
3	RFI 75R1 - Revise polish flooring finishes level	\$ (4,135.00)
4	Office GWB & Laundry Furring	\$ 941.00
5	ASI #5 - Electric	\$ 5,324.00
6	ASI #6 - Hand Dryers, Satellite Dish	\$ 5,942.00
7	RFI 62 - Decon Room Revisions not in ASI-03	\$ 4,321.00
8	RFI 94 - Revised Apparatus Storage Structure	\$ (3,692.00)
9	Add Back S-3 Sink	\$ 2,492.00
10	RFI 77R1 and 115 - Change Sinks & Faucets, Relocated Drain	\$ 5,548.00

\$ 35,811.00

Including CO #001 through CO #003 \$9,334,968.00

New Contract Sum \$9,370,779.00





*Building. Growing. Leading. ...Since 1937.*

## Budget Evolution Item Summary

### City of Ketchum Fire Station #1

Change OFCI to CFCI for Dorm Shades

Date: 3/1/2021

Description: Change OFCI Dorm Blackout Shades to CFCI

SCOPE	SUBCONTRACTOR	AMOUNT
Provide Dorm Black out Shades x 6	OEC	\$ 1,130.00
SUBTOTAL:		\$ 1,130.00
SUBTOTAL reflects direct costs only on the presumption that costs will come from allowances. If costs are reimbursed by Change Order, TOTAL AMOUNT below reflects the SUBTOTAL with add of agreed upon markup in accordance with the change order pricing.		
Bond and Insurance	CORE	\$ 24.00
CMAR FEE	CORE	\$ 50.00
Sales Tax	CORE	\$ -
TOTAL AMOUNT:		\$ 1,204.00



**CoK dorms**  
**2000062**

Change Order Request # 1

Date: 12/1/20

**Change Order Description:**

Furnish 6 Mecho Urban manual Black Out shades

Scope of Work Description & Clarifications	Amount
Pricing is based on Furnishing 6 Mecho Urban manual Shade Dorm Black out	\$1,130
Installation was part of original scope.	
Exclusions: Wall patching, painting and Backing	
Total Change Order Amount	\$1,130



*Building. Growing. Leading. ...Since 1937.*

## Budget Evolution Item Summary

### City of Ketchum Fire Station #1

ASI #4 Relocate Equipment

Date: 12/8/2020

Description: Revise Equipment layout Decon, Move Heaters to Second Floor

SCOPE	SUBCONTRACTOR	AMOUNT
Change Filters to MERV 13 from MERV 8	Thornton	\$ 5,426.00
MERV 13 from MERV 8 Spec Clarification	CM/GC Contingency	\$ (5,426.00)
Move Water Heaters, Add WH-3, ET-2, RP-1	Evans Plumbing	\$ 6,419.00
Move and Add Electrical for ASI-4	Magic Valley Electric	\$ 10,351.00
SUBTOTAL:		\$ 16,770.00
SUBTOTAL reflects direct costs only on the presumption that costs will come from allowances. If costs are reimbursed by Change Order, TOTAL AMOUNT below reflects the SUBTOTAL with add of agreed upon markup in accordance with the change order pricing.		
Bond and Insurance	CORE	\$ 350.00
CMAR FEE	CORE	\$ 746.00
Sales Tax	CORE	\$ -
TOTAL AMOUNT:		\$ 17,866.00

Thornton Heating & Sheetmetal, INC.  
P.O.Box 242  
Ketchum, Idaho 83340  
208-726-5520

# Estimate

Date	Estimate #
10/29/2020	932

Name / Address
Core Construction 777 N. 4th. St. Boise, ID. 83702

Terms	Sales Rep
Net 15	GC
Job Name	

Quantity	Description	Cost	Total
	Change order #1		
1	ERU #1 - Upgrade to Merv 13 filters (40 total filters)	3,617.00	3,617.00
1	ERU #2 - Upgrade to MERV 13 filters (20 total filters)	1,809.00	1,809.00
thorntonheating@hotmail.com		<b>Total</b>	\$5,426.00

Terms: All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from the original bid will be an extra charge above the original figure. Estimates are good for 30 days. Any bid constitutes a firm price for work to be done. Budget numbers will be billed on time and material and can exceed or fall short of estimated price.

Signature \_\_\_\_\_

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

ALL CREDIT CARD PAYMENTS WILL  
HAVE A 3% PROCESSING FEE AS OF  
5/04/2020.

## Chris Schratwieser

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**From:** CJ <cj@thornton-heating.com>  
**Sent:** Tuesday, October 20, 2020 7:55 AM  
**To:** Chris Schratwieser  
**Cc:** Matt Sylvester  
**Subject:** FW: Ketchum FS - MERV Filter Item

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**From:** Mike Devine <mdevine@techairprod.com>  
**Sent:** Tuesday, October 20, 2020 8:32 AM  
**To:** CJ <cj@thornton-heating.com>  
**Subject:** RE: Ketchum FS - MERV Filter Item

CJ, see the highlighted comment below. There are (2) ERU's on the job, but I'm confused how they are coming up with only (8) filters on the job. The submittals show the following filters for each unit (MERV 8 is what we designed the units to have per the original specification).

### ERU-1

Supply air filters	(8) 16x25x2
Return air filters	(4) 16x25x2
Outside air filters	(4) 16x25x2

### ERU-2

Supply air filters	(4) 20x20x2
Return air filters	(2) 20x25x2
Outside air filters	(2) 20x25x2

Mike Devine  
President  
Office: 208-377-2071  
Fax: 208-378-8265  
1410 E. Iron Eagle Drive  
Eagle, Idaho 83616



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**From:** CJ <[cj@thornton-heating.com](mailto:cj@thornton-heating.com)>  
**Sent:** Tuesday, October 06, 2020 10:10 AM

**To:** Hadlock, Scott <[shadlock@siglers.com](mailto:shadlock@siglers.com)>; Mike Devine <[mdevine@techairprod.com](mailto:mdevine@techairprod.com)>

**Subject:** FW: Ketchum FS - MERV Filter Item

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**From:** Chris Schratwieser <[chrisschratwieser@coreconstruction.com](mailto:chrisschratwieser@coreconstruction.com)>

**Sent:** Tuesday, October 6, 2020 10:09 AM

**To:** CJ <[cj@thornton-heating.com](mailto:cj@thornton-heating.com)>

**Cc:** Matt Sylvester <[mattsylvester@coreconstruction.com](mailto:mattsylvester@coreconstruction.com)>

**Subject:** FW: Ketchum FS - MERV Filter Item

CJ,

Please review the below and provide a narrative

**Chris Schratwieser, LEED AP**

Senior Project Manager

**CORE Construction | West**

C: 702-715-2200 | W: [COREconstruction.com](http://COREconstruction.com)

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**From:** Chris Schratwieser

**Sent:** Friday, September 25, 2020 6:36 AM

**To:** [cj@thornton-heating.com](mailto:cj@thornton-heating.com)

**Cc:** John Brown <[johnbrown@coreconstruction.com](mailto:johnbrown@coreconstruction.com)>; Matt Sylvester ([mattsylvester@coreconstruction.com](mailto:mattsylvester@coreconstruction.com))  
<[mattsylvester@coreconstruction.com](mailto:mattsylvester@coreconstruction.com)>

**Subject:** FW: Ketchum FS - MERV Filter Item

CJ,

Please review and respond at your earliest opportunity. The quantities she lists contradicts what you have submitted on. Need your reply on that as well.

Thanks

**Chris Schratwieser, LEED AP**

Senior Project Manager

**CORE Construction | West**

C: 702-715-2200 | W: [COREconstruction.com](http://COREconstruction.com)

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**From:** Crystal McColly <[Crystal@colearchitects.net](mailto:Crystal@colearchitects.net)>

**Sent:** Thursday, September 24, 2020 5:17 PM

**To:** Bill McLaughlin <[BMcLaughlin@ketchumfire.org](mailto:BMcLaughlin@ketchumfire.org)>; Grant Gager <[ggager@ketchumidaho.org](mailto:ggager@ketchumidaho.org)>; Cary Goldberg <[cgoldberg@dppmlc.com](mailto:cgoldberg@dppmlc.com)>; Dennis Potts <[dpotts@dppmlc.com](mailto:dpotts@dppmlc.com)>; Chris Schratwieser <[chrisschratwieser@coreconstruction.com](mailto:chrisschratwieser@coreconstruction.com)>; Kate Kelly <[Kate.Kelly@brightworks.net](mailto:Kate.Kelly@brightworks.net)>; Kanika Golani <[kanika.golani@brightworks.net](mailto:kanika.golani@brightworks.net)>; Matt Sylvester <[mattsylvester@coreconstruction.com](mailto:mattsylvester@coreconstruction.com)>; John Brown <[johnbrown@coreconstruction.com](mailto:johnbrown@coreconstruction.com)>; Matt Huffield <[Matt@colearchitects.net](mailto:Matt@colearchitects.net)>; Bill Carter <[BillC@musgrovepa.com](mailto:BillC@musgrovepa.com)>; James Siefert <[james@musgrovepa.com](mailto:james@musgrovepa.com)>

**Subject:** Ketchum FS - MERV Filter Item

Good afternoon Team,

This email is intended is to summarize and clarify the MERV filter item discussion and to clarify what needs to be priced by Core.



- Currently, we have MERV 13 filters in the project as this is a requirement for indoor air quality LEED point we are pursuing and counting on. These filters will need to be in the project in order to achieve the LEED point. If it decided to go to MERV 8 filters or to change to MERV 8 filters in the future, then we cannot pursue this point. We have confirmed with Brightworks, LEED does not require any replacement terms of the MERV filters.
- There are only two mechanical units in the project that have these filters and each unit will have four MERV 13 filters each. This means there are (8) MERV 13 filters total in the project.
- Cary has asked Core to provide pricing on adding two differential gauges. The gauging is to see whether the filter needs replacement. The idea is that they can replace the filters only when they need to and not on a set schedule. According to the mechanical engineer, this could save on cost, but with only (8) MERV 13 filters, they don't see it being a huge cost savings.

Chris – Could you provide pricing on what the (8) MERV 13 filters cost? And could you also provide pricing on adding two differential gauges?

Please let me know if you have any questions.

Thank you,

**Crystal McColly, AIA, NCARB** | **COLE/ARCHITECTS**  
 Project Architect  
 p 208.345.1800 / d 208.605.3404 / c 208.731.9031

# Change Request Proposal

Project:  
(name and address)

203600 / CoK FS No. 1  
107 Saddle Road  
Ketchum, ID 83340

Change request number:  
Description:

07  
ASI 04 - Relocation of Water Heaters

Customer: CORE | Headwaters, LLC

Notice to Proceed

Submitted date:  
Received date:  
Rough order of magnitude: 0.00

Status: Proposed  
Origination date: 11/04/20

Quotation

Submitted date: 11/04/20  
Due date:  
Submitted amount: 6,419.27  
Requested days delay: 0

Notes

Per ASI 04 - Move 2 water heaters from COMP 124 to STORAGE 216. Add WH-3, ET-2 and RP-1 in DECON 131. Add FS-2 in STORAGE 124

Revenue Detail

Billing Item	Description	Revenue
	Labor - 10 hrs	800.00
	Original Rough-In Mtrl Credit	-2,354.81
	Revised Rough-In Mtrl Add	5,176.83
	WH-3, FS-2 and ET-2 Fixtures	2,064.30
	M/U on Mtrl Difference (15%)	732.95
Total Revenue For CR 07		6,419.27

Approvals

Customer: CORE | Headwaters, LLC  
Authorized Representative: \_\_\_\_\_  
By: \_\_\_\_\_  
Date: \_\_\_\_\_

Contractor: Evans Plumbing, Inc.  
By: \_\_\_\_\_  
Date: \_\_\_\_\_

Job Name: **Ketchum FD**

Location: **Ketchum, ID, USA**

Quoted By: **Michael Fisher**  
 Bid Date: **04/17/2020**  
 Expires: **05/17/2020**

<p>Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at <a href="http://wolseleyna.com/terms_conditionsSale.html">http://wolseleyna.com/terms_conditionsSale.html</a>. Govt Buyers: All items quoted are open market unless noted otherwise. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE. CONTACT YOUR SALES REPRESENTATIVE IMMEDIATELY FOR ASSISTANCE WITH DBE/MBE/WBE/SMALL BUSINESS REQUIREMENTS.</p>			<p><b>Ferguson – Boise</b></p> <p><b>586 North Locust Grove Road</b>  <b>Meridian, ID 83642</b>  <b>Phone: (208) 376-6660</b></p>				
ITEM #	MFC	DESCRIPTION	P-QTY	U/M	P-UNIT PRICE	EXT QTY	EXT PRICE
<p><b>SECTION 301 TARIFFS: PLEASE SEE THE FULL FERGUSON LETTER AT THE END OF THIS QUOTE.</b></p> <p>THE ANNOUNCED INCREASED TARIFFS WILL RESULT IN PRICE INCREASES. AT THIS TIME, OUR VENDORS ARE UNCLEAR WHEN/IF AND AT WHAT RATE THESE TARIFFS WILL BE IMPOSED. HERE ARE THE STEPS WE WILL TAKE GIVEN THE INFORMATION WE HAVE TODAY:</p> <p>1) PRICING ON ALL PRODUCTS IMPORTED FROM CHINA ON OPEN AND FUTURE QUOTES WILL EXPIRE 30 DAYS AFTER THE BID DATE.</p> <p>2) WE WILL CONTINUE TO COMPETITIVELY QUOTE THESE PRODUCTS BASED ON OUR COST. IF THE TARIFFS ARE IMPOSED, WE WILL HAVE NO CHOICE BUT TO PASS THESE COSTS ON TO THE MARKET.</p> <p>3) TO BE CLEAR, IF/WHEN THE TARIFFS ARE IMPOSED, FERGUSON WILL BE FORCED TO PRICE THESE PRODUCTS BASED ON THE COST AT THE TIME OF SHIPMENT.</p>							
<p><b><u>WH-3 WATER HEATER</u></b></p>							
BLE250S33NCZZ	BRADFORD WHITE	CCY 50G 4.5KW 208V 3PH COMMERCIAL ELECTRIC WATER HEATER	1	EA	\$1,525.26	1	\$1,525.26
<p><b><u>ET-2 EXPANSION TANK</u></b></p>							
AST12	AMTROL	4.4 GAL TANK VOL THERM-X-TROL THERMAL EXPANSION TANK NON-ASME	1	EA	\$56.58	1	\$56.58
<p><b><u>FS-2 FLOOR SINK</u></b></p>							
ZZN19104NHP232	ZURN	8" X 8" A.R.E. SANI-FLOOR RECEPTOR, 6" SUMP DEPTH, N.B. FRAME AND GRATE - 4" NO HUB , TRAP PRIMER CONNECTION, 1/2 GRATE, ALUMINUM DOME STRAINER	1	EA	\$482.46	1	\$482.46
ZZN19103NHP232	ZURN	8" X 8" A.R.E. SANI-FLOOR RECEPTOR, 6" SUMP DEPTH, N.B. FRAME AND GRATE - 3" NO HUB , TRAP PRIMER CONNECTION, 1/2 GRATE, ALUMINUM DOME STRAINER	1	EA	\$482.46	1	\$482.46
ZZN19102NHP232	ZURN	8" X 8" A.R.E. SANI-FLOOR RECEPTOR, 6" SUMP DEPTH, N.B. FRAME AND GRATE - 2" NO HUB , TRAP PRIMER CONNECTION, 1/2 GRATE, ALUMINUM DOME STRAINER	1	EA	\$482.46	1	\$482.46



March 20, 2020

Re: Bid activity

Dear valued customer,

The World Health Organization has declared COVID-19 a global pandemic, and Ferguson's priority continues to be the health of our associates, our customers and the communities in which we live and work. In addition to ensuring all our locations are equipped with and using proper sanitization products and techniques, any Ferguson associate who is not feeling well or is at high risk for contracting the virus is being asked to protect themselves and others by staying home.

Efforts to prevent the spread of COVID-19 have the potential to impact the global supply chain across many industries. Ferguson's Supply Chain, Procurement and Business Continuity teams are continually evaluating our supply chain from both sourcing and distribution perspectives and do not anticipate any significant disruptions based on information currently available. We are working together to plan for and mitigate any potential disruption so that we may quickly and effectively implement measures to keep business moving as usual.

**Ferguson is committed to fulfilling requests for all bids as quoted – including pricing and inventory availability. Bid products and pricing are based on current knowledge at the time of the quote and have the potential to change.**

We are committed to sharing additional information as it becomes available. In the meantime, should you have any questions, please reach out to your Sales associate directly.

Thank you for your business and support.



To our valued customers,

In December 2018, the U.S. Trade Representative (USTR) modified the 301-tariff schedule to allow for negotiations between the U.S. and China. The Trump Administration has decided to increase the current 10% tariff by an additional 15% on certain Chinese-made imports due to dissatisfaction with **China's Commitment to address U.S. concerns**. The tariff increase took effect on May 10, 2019.

**Tariffs are taxes that cannot be negotiated, therefore Ferguson must implement timely price increases to cover additional costs in totality. While we cannot give manufacturer-specific price increases at this time, we will immediately follow manufacturer price changes as we receive them.**

Ferguson does not anticipate any shortages of material. However, increased tariffs will result in price increases. To better support you, we are proactively contacting all our vendor partners to understand how they will manage price increases including existing job contracts.

Here are the steps we will take given the information we have today:

- 1) Unless otherwise noted on seller's quotation, all prices are subject to change at any time.
- 2) We will continue to competitively quote these products based on our costs. If the additional tariffs are imposed, we will have no choice but to pass these costs on to the market.
- 3) To be clear, if/when the additional tariffs are imposed, Ferguson will be forced to price these products based on the costs at the time of shipment.

Our priority is to provide you with access to products at a competitive price, with no disruption in supply. We appreciate your loyalty and understanding as we manage this changing business environment. If you have questions concerning upcoming jobs or existing quotes, please speak with your Ferguson sales associate to help plan your business.

Thank you for your continued support and partnership.

Ferguson Enterprises

## **Update: Section 301 Tariffs**

### **Background**

The President announced the third round of tariffs in the Section 301 action, imposing 10% tariffs on Chinese imports valued at \$200B, effective September 24, 2018. Tariffs were scheduled to increase to 25% on January 1, 2019, but the President suspended this deadline for 90-days to allow for negotiations between the US and China.

### **Timeline of Section 301 Tariff Measures**

**May 29, 2018** The President issues a statement, invoking his authority under Section 301 of the U.S. Trade Act of 1974 to combat China's burdensome trade practices on U.S. interests. He instructed the Office of the U.S. Trade Representative (USTR) to release by June 15 a list of Chinese imports valued at \$50B that would be subject to an additional 25% tariff.

**July 6, 2018** Effective date of 25% tariffs on Chinese imports valued at \$34B. (List #1)

**July 10, 2018** USTR releases notice of intent and initiation of the public comment period to impose additional 25% tariffs on a third list of Chinese imports valued at \$200B. (List #3)

**August 23, 2018** Effective date of 25% tariffs on Chinese imports valued at \$16B. (List #2)

**September 17, 2018** President announces decision to impose 10% tariffs on Chinese imports valued at \$200B. (List #3). Tariffs to increase to 25% on January 1, 2019. President also announces additional tariffs on \$267B of Chinese imports if China retaliates against the U.S.

**September 18, 2018** China initiates retaliation against the U.S., moving to impose tariffs on \$60B of U.S. goods imported into China, increasing likelihood of fourth round of tariffs imposed by the U.S.

**September 24, 2018** Effective date of 10% tariffs on Chinese imports valued at \$200B. Scheduled to increase to 25% on January 1, 2019. (List #3).

**December 19, 2018** - President announces a 90-day suspension of the January 1, 2019 deadline. List #3 tariffs to increase to 25% on March 2, 2019 if negotiations do not result in China meeting US demands.

**May 10, 2019** President announces decision to increase tariffs to 25% on List #3. Increase to take effect May 10, 2019.

For additional information, visit [USTR.gov](https://ustr.gov).



<b>Company:</b>	evans
<b>Job Name:</b>	Ketchum Fire Station PEX []
<b>Material Set:</b>	Factor #1
<b>Labor Set:</b>	Factor #1 (Quote)
<b>Run Date:</b>	11-05-2020 @ 10:12:39
<b>Sort Key:</b>	By Family/Matl Group

Family/Matl Group			Qty	Price Total
Pipe - Copper Tube			501.88	\$ 1,601.25
Fitting - Wrot Copper Fittings			19	\$ 46.57
Valve - Ball Valves			2	\$ 40.65
Hanger - Bolts			210	\$ 22.05
Hanger - Hangers			735	\$ 630.08
Hanger - Miscellaneous			210	\$ 6.30
Joint - Miscellaneous			44	\$ 7.92
<b>TOTALS:</b>			<b>1,721.88</b>	<b>\$ 2,354.81</b>

<b>Company:</b>	evans
<b>Job Name:</b>	Ketchum Fire Station PEX []
<b>Material Set:</b>	Factor #1
<b>Labor Set:</b>	Factor #1 (Quote)
<b>Run Date:</b>	11-05-2020 @ 10:12:39
<b>Sort Key:</b>	By Family/Matl Group

Family/Matl Group			Qty	Price Total
Pipe - Copper Tube			336.15	\$ 1,973.68
Pipe - PVC DWV Pipe			74.41	\$ 65.52
Fitting - PVC DWV Fittings			13	\$ 44.14
Fitting - Wrot Copper Fittings			37	\$ 212.80
Valve - Ball Valves			5	\$ 124.15
Hanger - Hangers			440	\$ 364.95
Hanger - Miscellaneous			128	\$ 3.84
RP-1 Recirc Pump			1	\$ 420.11
RPBP BACKFLOW			1	\$ 1,967.64
<b>TOTALS:</b>			<b>1,033.56</b>	<b>\$ 5,176.83</b>

## SUBCONTRACTOR CHANGE ORDER REQUEST

Date: 11/4/2020

SUBCONTRACTOR: Magic Valley Electric

PROJECT NAME: Ketchum Fire station

CONTACT: Jimmy Gyorfy

ADDRESS: 395 Railway Street

Jerome, ID 83338

PHONE: 208-944-4931

PROJECT ADDRESS: 107 Saddle Road

Ketchum, ID 83353

THIS IS IN RESPONSE TO:

Bulletin #:

ASI #:

**4**

CONTRACTOR: Core Construction

CONTACT: Chris Schratwieser

ADDRESS: 777 North 4th Street

Boise, ID 83702

PHONE: 702-794-0550

VERBAL REQUEST FROM:

SUBCONTRACTOR CO#:

DESCRIPTION: ASI-4. 14.a. added WH-3 and RP, 17.b&c. moved compressor and added compressor.

LOCATION: Ketchum Fire Station

DRAWINGS: From ASI-4

	Trade Description	Hours	Labor Amt.			Total Cost
LABOR:	Journeyman	86	70.00			6,020.00
						0.00
						0.00
						0.00
						0.00
	Description	QTY	Unit Price	Sub-Total	Taxes	Total Cost
MATERIAL:	WH-3 Disconnect	1	306.87	306.87	18.41	325.28
	Conduit, & Supports	1	2,206.38	2,206.38	132.38	2,338.76
	Wire	1	1,573.03	1,573.03	94.38	1,667.41
				0.00	0.00	0.00
				0.00	0.00	0.00
	Description	QTY	Unit Price	Sub-Total	Taxes	Total Cost
EQUIPMENT:				0.00	0.00	0.00
				0.00	0.00	0.00
				0.00	0.00	0.00
				0.00	0.00	0.00
				0.00	0.00	0.00
				0.00	0.00	0.00
SUBTOTAL:						10,351.46
<b>GRAND TOTAL:</b>				<b>Total Amount</b>		<b>\$10,351.46</b>

NOTES:

Authorized Signature

Date



*Building. Growing. Leading. ...Since 1937.*

## Budget Evolution Item Summary

### City of Ketchum Fire Station #1

Polished Concrete floor-RFI-75R.1

Date: 2/9/2021

Description: Revise polished floor finishes level per RFI 75R1

SCOPE	SUBCONTRACTOR	AMOUNT
Revise Polish floor grit finish level	Floor Tech	\$ (3,518.00)
Delete Entry Mat Lobby 101	Dillabaugh Flooring America	\$ (363.00)
SUBTOTAL:		\$ (3,881.00)
SUBTOTAL reflects direct costs only on the presumption that costs will come from allowances. If costs are reimbursed by Change Order, TOTAL AMOUNT below reflects the SUBTOTAL with add of agreed upon markup in accordance with the change order pricing.		
Bond and Insurance	CORE	\$ (81.00)
CMAR FEE	CORE	\$ (173.00)
Sales Tax	CORE	\$ -
TOTAL AMOUNT:		\$ (4,135.00)



Regional office for CORE NV company  
777 N 4th St  
Bosie, Idaho 83702

Project: 5-20-01-006 - CoK - City of Ketchum Fire Station  
107 Saddle Road  
Ketchum, Idaho 83353

## Apparatus Bay 120 VA: Change to Sealed Concrete

TO:	Alex Goedhart (Cole Architects) Crystal McColly (Cole Architects)	FROM:	JT Brown (CORE Construction - Las Vegas) 777 N Fourth St Boise, Idaho 83702
DATE INITIATED:	09/09/2020	STATUS:	Open
LOCATION:		DUE DATE:	10/07/2020
PROJECT STAGE:	Course of Construction	COST CODE:	
SUB JOB:		SCHEDULE IMPACT:	
COST IMPACT:		SPEC SECTION:	
DRAWING NUMBER:	A6.01, A6.03	REFERENCE:	
LINKED DRAWINGS:			
RECEIVED FROM:	JT Brown (CORE Construction - Las Vegas)		

**COPIES TO:**

Kepa Bengoa (Floor Tech, Inc), JT Brown (CORE Construction - Las Vegas), Grant Gager (City of Ketchum), Alan Gelet (Garrett Construction, Inc), Cary Goldberg (DPPM Project Management), Bill McLaughlin (City of Ketchum), Dennis Potts (DPPM Project Management), Chris Schratwieser (CORE Construction - Las Vegas), Matt Sylvester (CORE Construction - Las Vegas)

**Question from JT Brown (CORE Construction - Las Vegas) at 04:00 PM on 09/08/2020**

Per the VA Log the option to remove the polished concrete and change to sealed concrete has been accepted at the Apparatus Bay 120, see attached marked up A6.01, Please provide confirmation.

**Attachments:**

[A6.01\\_FINISH & FURNITURE FLOOR PLAN -LEVEL 01 Rev.2.pdf](#)

Awaiting an Official Response

See attached updated sheets A6.01 and A6.02.

Walk off carpet removed from project. Contractor providing credit. 10'-0" surface mats to be provided by owner to meet LEED requirements.

Provide pricing for the following two options for owner to review:

**Option 1:** All polished concrete to be 800 grit, as per spec and updated drawings.

**Option 2:** Polished concrete to be 400 grit in only the App Bay 120 and Turnout/Locker Room 127. The rest of the rest of the polished concrete to be 800 grit.

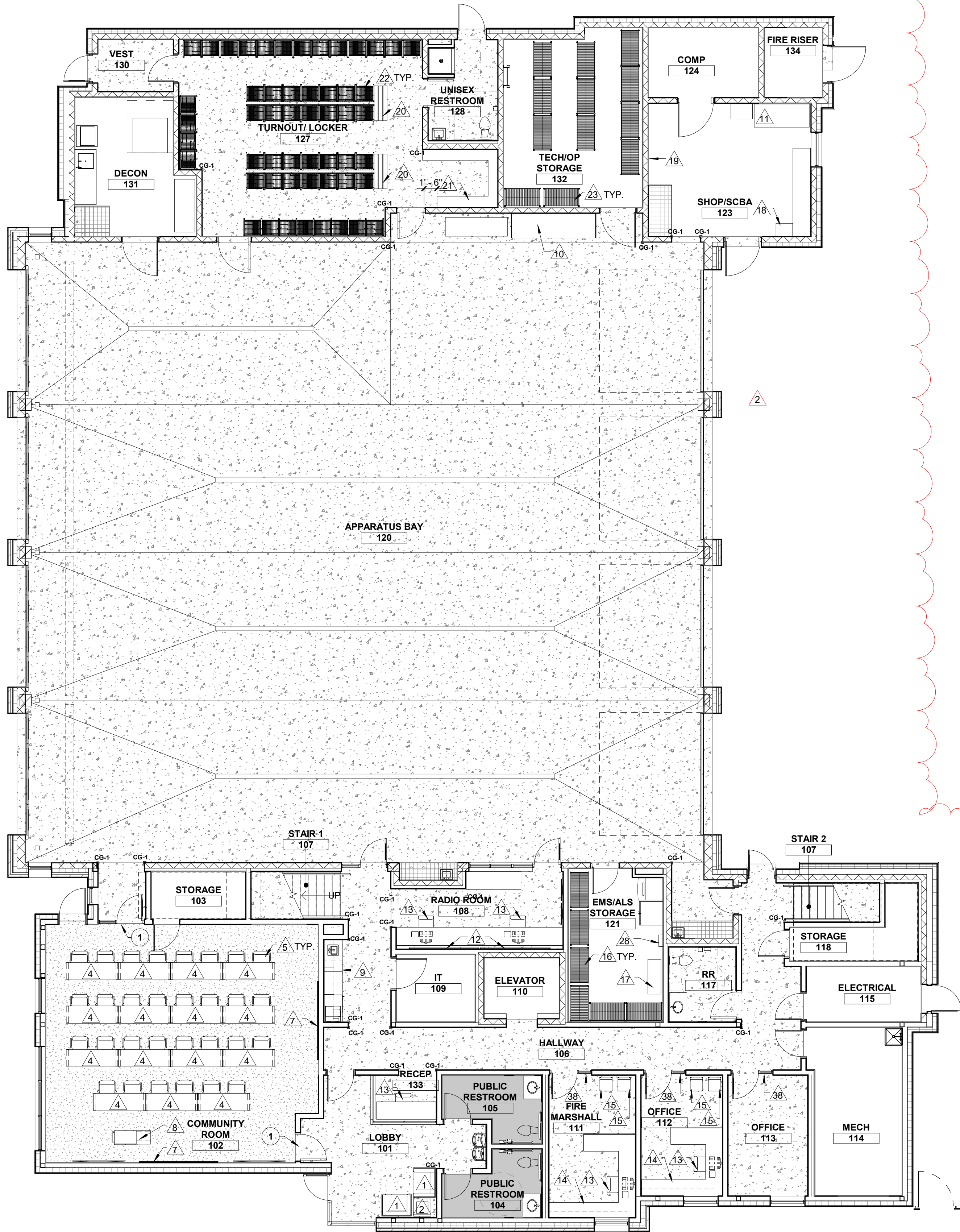
Crystal McColly  
Cole Architects  
11/4/20

BY

DATE

COPIES TO





1 FLOOR FINISH PLAN - LEVEL 01  
SCALE | 1/8" = 1'-0"

FURNITURE SCHEDULE												
ROOM NUMBER	ROOM	TAG	DESCRIPTION	MANUFACTURER	ITEM #	QUANTIT Y	EXISTING/N EW	CONSTURCTI ON	W	D	H	LEVEL
101	LOBBY	1	ROCKWELL CLUB CHAIR	KNOLL		2	NEW	OFOI	2' - 9"	2' - 3"	2' - 5"	1
101	LOBBY	2	ROCKWELL OCCASIONAL TABLE	KNOLL		1	NEW	OFOI	1' - 10"	1' - 10"	1' - 8"	1
101	LOBBY	3	WALK OFF MAT			1	NEW	OFOI	3' - 0"	10' - 0"		1
102	COMMUNITY ROOM	4	TRAINING TABLE	HAWTHORN		15	NEW	OFOI	2' - 0"	6' - 0"	2' - 5"	1
102	COMMUNITY ROOM	5	VERY SIDE TRAINING CHAIR	HAWTHORN		30	NEW	OFOI	1' - 11 1/2"	1' - 10"	2' - 9 29/32"	1
102	COMMUNITY ROOM	7	WHITE BOARD	ULINE	H-2757	2	NEW	OFCI	8' - 0"	0' - 0 1/2"	4' - 0"	1
102	COMMUNITY ROOM	8	PODIUM	ULINE	H-7825	1	NEW	OFOI	2' - 2"	1' - 9"	3' - 11"	1
102	COMMUNITY ROOM	38	ROLLER SHADES	MECHOSHADE		3						
106	COFFEE/COPY NOOK	9	WASTE/RECYCLING CONTAINERS	ULINE	S-13527GR	2	NEW	OFOI	1' - 3"	0' - 11"	1' - 8"	1
108	RADIO ROOM	12	WHITE BOARD	ULINE	H-2757	2	NEW	OFCI	8' - 0"	0' - 0 1/2"	4' - 0"	1
112	OFFICE	13	SOJI TASK CHAIR	HAWTHORN		4	NEW	OFOI	2' - 4"	2' - 3"	3' - 8"	1
112	OFFICE	14	DESK SYSTEM - X SERIES + STORAGE	HAWTHORN		2	NEW	OFOI	1' - 0"	1' - 6"	6' - 0"	1
112	OFFICE	15	VERY SIDE GUEST CHAIR	HAWTHORN		4	NEW	OFOI	23' - 6"	1' - 10"	2' - 9 29/32"	1
120	APPARATUS BAY	6	HOSE DRYING RACK	READY RACK	MHD-80		NEW	OFCI	6' - 0 13/16"	0' - 3 1/2"	3' - 6"	1
120	APPARATUS BAY	10	ROLLING HOSE RACK	READY RACK	HC-64-3T	1	NEW	OFCI	10' - 0"	2' - 10"	5' - 0"	1
121	EMS/ALS STORAGE	16	WIRE SHELVES	GLOBAL INDUSTRIES	236614	6	NEW	OFCI	4' - 0"	2' - 0"	6' - 2"	1
121	EMS/ALS STORAGE	17	SUPPLY CART	ULINE	H-6787	1	NEW	OFOI	4' - 0"	1' - 6"	3' - 5"	1
121	EMS/ALS STORAGE	28	MEDICAL SAFE	ADIRMED	999-04-WHI	1	NEW	OFCI	1' - 4"	0' - 6"	1' - 9"	1
123	SHOP	18	FLAMABLE LIQUIDS CABINET	GLOBAL INDUSTRIAL		1	NEW	OFCI				1
123	SHOP	19	BIKE STORAGE	DELTA	RS4000	4	NEW	OFCI	0' - 3"	0' - 5"	0' - 11"	1
123	SHOP	11	SCBA STORAGE RACK	READY RACK	SOS2432-C	1	NEW	OFOI	6' - 4"	2' - 8"	6' - 9"	1
127	TURNOUT/LOCKER ROOM	20	LOCKER BENCH	READY RACK	RRB-48	2	NEW	OFOI	4' - 0"	0' - 9 1/2"	1' - 5"	1
127	TURNOUT/LOCKER ROOM	21	LOCKERS				EXISTING	OFCI				1
127	TURNOUT/LOCKER ROOM	22	GEAR LOCKERS			49	EXISTING	OFCI				1
132	TECH/OP STORAGE	23	WIRE SHELVES	GLOBAL INDUSTRIES	236614	12	NEW	OFCI	4' - 0"	2' - 0"	6' - 2"	1
201	DAY USE	24	LA-Z-BOY RECLINERS	LA-Z-BOY		9	NEW	OFOI				2
201	DAY USE	25	DESK JIVE TABLE	HAWTHORN	TCRA-3054	4	NEW	OFOI	4' - 6"	2' - 6"	2' - 5"	2
201	DAY USE	26	HAWTHORN VERY TASK CHAIR	HAWTHORN		12	NEW	OFOI	2' - 3"	2' - 2"	3' - 3"	2
201	DAY USE	27	FOOD LOCKERS	HADRIAN	GLADIATOR DOUBLE TIER	7	NEW	OFCI	1' - 3"	1' - 6"	6' - 0"	2
201	DAY USE	29	WHITE BOARD	ULINE	H-2757	1	NEW	OFCI	8' - 0"	4' - 0"	4' - 0"	2
201	DAY USE	30	WASTE/RECYCLING CONTAINERS	ULINE	S-13527GR	3	NEW	OFOI	1' - 3"	0' - 11"	1' - 8"	2
201	DAY USE	31	BULLETIN BOARD	ULINE	H-3946	1	NEW	OFCI	4' - 0"		3' - 0"	2
201	KITCHEN	32	BAR STOOLS	FS FURNITURE		6	NEW	OFOI	1' - 5"	1' - 6"	3' - 6 1/4"	2
201	KITCHEN	33	DINING TABLE	FS FURNITURE		1	NEW	OFOI				2
201	KITCHEN	34	CHAIRS	FS FURNITURE		10	NEW	OFOI	1' - 4 1/2"	1' - 5"	2' - 8 1/4"	2
204	DORM	35	BED	FS FURNITURE	TWIN XL	6	NEW	OFOI	3' - 1"	7' - 0"	3' - 3"	2
204	DORM	36	DESK JIVE TABLE	HAWTHORN	TCRA-1854	6	NEW	OFOI	4' - 6"	1' - 6"	2' - 5"	2
204	DORM	37	BLACK OUT SHADES	MECHOSHADE	0800	6	NEW	OFCI				2

GENERAL NOTES

- A. REFER TO ARCHITECTURAL FLOOR, ELEVATION AND FINISH PLANS. CONTRACTOR SHALL CLARIFY ANY QUESTIONS CONCERNING FINISHES, LOCATION, OR DESIGN INTENT WITH DESIGNER PRIOR TO ORDERING OF MATERIALS.
- B. AT ROOMS WITH NEW EXPOSED CEILING, PAINT WALLS TO UNDERSIDE OF STRUCTURE ABOVE.
- C. SEE REFLECTED CEILING PLAN FOR GYPSUM BOARD SOFFIT LOCATIONS. REFER TO REFLECTED CEILING PLAN AND INTERIOR FINISH SCHEDULE FOR FINISH, AS SCHEDULED.
- D. PROVIDE A THIN, CLEAR, SILICONE BEAD (1/8") AT PERIMETER OF ALL DOOR FRAMES AND BORROWED GLASS LITES AFTER INSTALLATION OF SCHEDULED WALL COVERINGS. DOOR FRAMES ON PAINTED WALLS SHOULD RECEIVE THIN, PAINTABLE SILICONE BEAD (1/8") AT PERIMETER PRIOR TO PAINTING, ONLY WHERE THE FRAME DOES NOT MEET THE WALL.
- E. ALL INTERIOR FINISHES MUST BE INSTALLED BY A CERTIFIED INSTALLER / SUBCONTRACTOR PER MANUFACTURER'S INSTRUCTIONS. USE MANUFACTURER'S APPROVED ADHESIVES AND SEAM SEALERS.
- F. ALL FLOORING TRANSITIONS OCCUR UNDER THE CENTER OF THE DOOR UNLESS OTHERWISE NOTED. FLOOR TRANSITION HEIGHTS NOT TO EXCEED 1/4" MAXIMUM. PROVIDE APPROPRIATE SCHLUTER TRANSITION STRIP IN ANODIZED ALUMINUM FINISH AT EACH LOCATION WHERE FLOOR FINISH MATERIAL CHANGES. UNLESS NOTED OTHERWISE.
- G. PROVIDE WINDOW COVERINGS AT ALL WINDOW LOCATIONS. SEE INTERIOR FINISH SPECIFICATIONS FOR ROLLER SHADE SPECIFICATION.
- H. ALL CABINET HARDWARE AT CASEWORK LOCATIONS TO BE RICHELIEU CONTEMPORARY STEEL PULL - 205 TO BE 6 5/16" LONG IN BRUSHED NICKEL FINISH (OR APPROVED EQUAL WITH SIMILAR FINISH).
- I. ALL WINDOW SILLS TO BE SOLID SURFACE (SS-1) UNLESS NOTED OTHERWISE.
- J. PROVIDE SOLID BLOCKING OR OTHER SUITABLE BACKING AT LOCATIONS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: EDGES WHERE FINISH MATERIALS CHANGE, GRAB BARS, TOILET PARTITIONS, DOOR STOPS, SHELF BRACKETS, HANDRAILS AND ALL MOUNTED EQUIPMENT, INCLUDING EQUIPMENT FURNISHED BY OWNER. PROVIDE STEEL BACKING FOR GRAB BARS ATTACHED TO PARTITIONS. EXTEND BACKING 6" BEYOND OUTLINE OF EQUIPMENT.
- K. REFERENCE PLUMBING/MECHANICAL DRAWINGS, ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL PRODUCT INFORMATION. IF CONFLICT EXISTS NOTIFY ARCHITECT AND PRICE MOST EXPENSIVE OPTION.

KEY NOTES

1. PROVIDE SCHLUTER TRANSITION STRIP (TR-1) BETWEEN CONCRETE TO CARPET TRANSITION. REFER TO INTERIOR FINISH SCHEDULE AND INTERIOR FINISH DETAILS.

FLOORING

- POLISHED CONCRETE (CON-1)
- SEALED CONCRETE (CON-2)
- LUXURY VINYL TILE (LVT-1)
- TILE (T-1)
- BOOT WASH GRATE
- CARPET TILE



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colearchitects.net  
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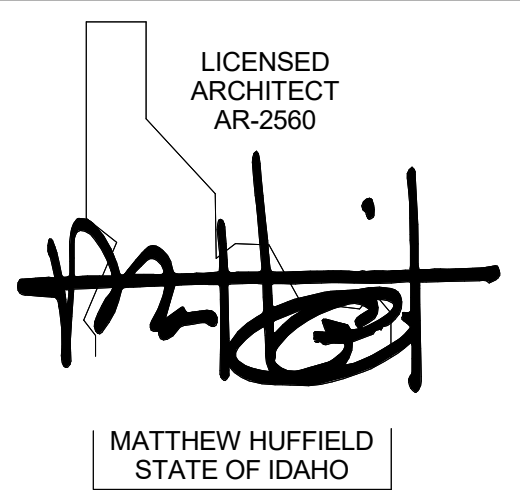


ARCHITECTURE + PLANNING + DESIGN

6211 Roosevelt Way NE  
Seattle, WA 98115  
206.522.3820

BIDDERS ARE INSTRUCTED TO CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS AND THE SITE CONDITIONS. INFORMATION REGARDING THE COMPLETE WORK OF SPECIFIC TRADES IS DISPERSED THROUGHOUT THE ENTIRE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED BY REFERENCE TO OTHER THAN COMPLETE DOCUMENT SETS.

SHEET NAME



CONSULTANT

PROJECT INFORMATION



KETCHUM FIRE STATION NO. 1

107 SADDLE ROAD, KETCHUM, ID 83353

ISSUES

PHASE	CONSTRUCTION SET
DATE	JUNE 19, 2020
JOB NUMBER	18-022

MARK	DATE	DESCRIPTION
13	11/4/20	RFI #CC-75
2	7/17/20	ASI 1

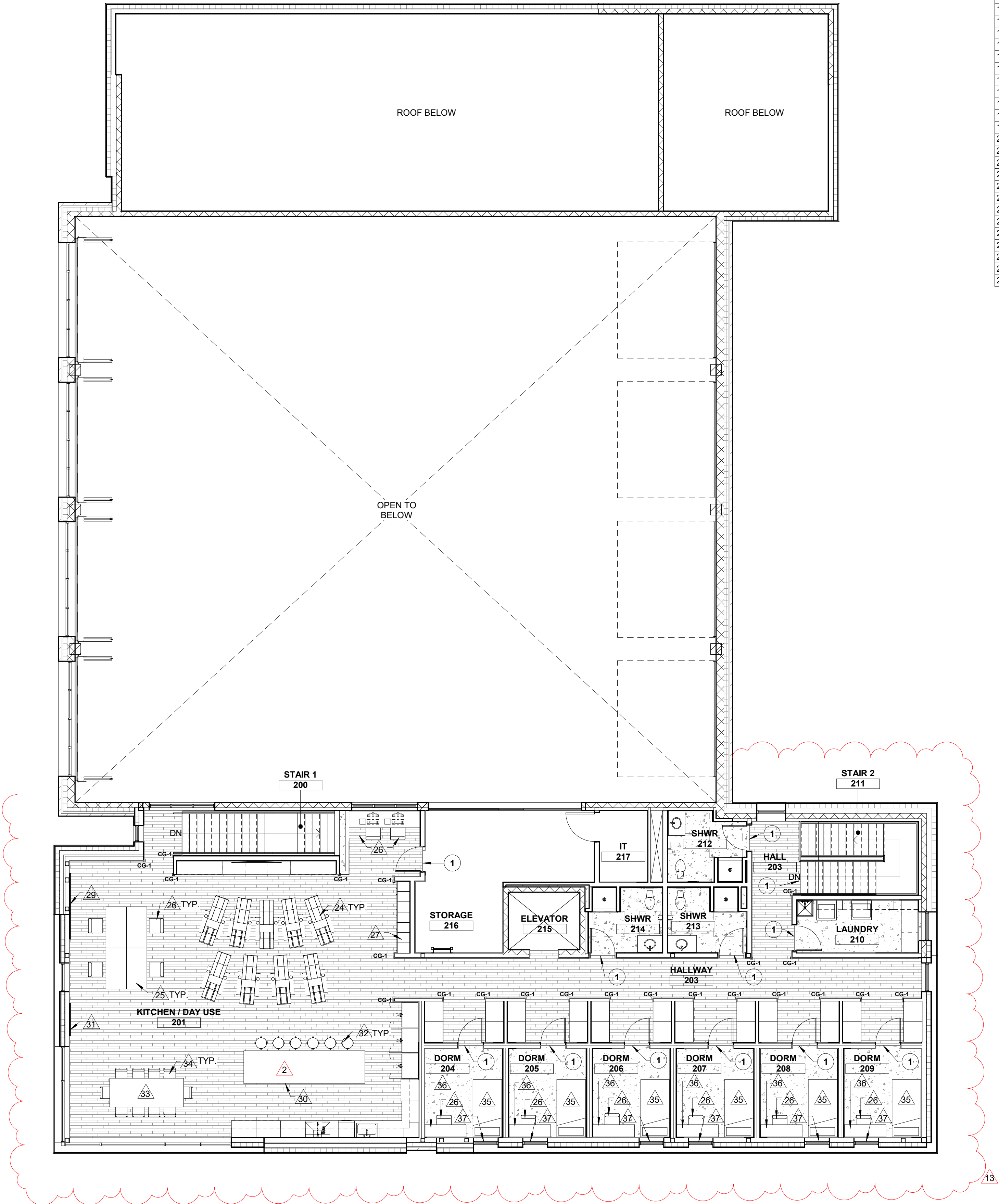
SHEET NAME

FINISH & FURNITURE FLOOR PLAN - LEVEL 01

SHEET NUMBER

A6.01





1 FLOOR FINISH PLAN - LEVEL 02  
SCALE | 1/8" = 1'-0"

FURNITURE SCHEDULE												
ROOM NUMBER	ROOM	TAG	DESCRIPTION	MANUFACTURER	ITEM #	QUANTIT Y	EXISTING/N EW	CONSTRUC TION	W	D	H	LEVEL
101	LOBBY	1	ROCKWELL CLUB CHAIR	KNOLL		2	NEW	OFOI	2' - 9"	2' - 3"	2' - 5"	1
101	LOBBY	2	ROCKWELL OCCASIONAL TABLE	KNOLL		1	NEW	OFOI	1' - 10"	1' - 10"	1' - 8"	1
101	LOBBY	3	WALK OFF MAT			1	NEW	OFOI	3' - 0"	10' - 0"		1
102	COMMUNITY ROOM	4	TRAINING TABLE	HAWTHORN		15	NEW	OFOI	2' - 0"	6' - 0"	2' - 5"	1
102	COMMUNITY ROOM	5	VERY SIDE TRAINING CHAIR	HAWTHORN		30	NEW	OFOI	1' - 11 1/2"	1' - 10"	2' - 9 29/32"	1
102	COMMUNITY ROOM	7	WHITE BOARD	ULINE	H-2757	2	NEW	OFCI	8' - 0"	0' - 0 1/2"	4' - 0"	1
102	COMMUNITY ROOM	8	PODIUM	ULINE	H-7825	1	NEW	OFOI	2' - 2"	1' - 9"	3' - 11"	1
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112	OFFICE	13	SOJIT TASK CHAIR	HAWTHORN		4	NEW	OFOI	2' - 4"	2' - 3"	3' - 8"	1
112	OFFICE	14	DESK SYSTEM - X SERIES + STORAGE	HAWTHORN		2	NEW	OFOI	1' - 0"	1' - 6"	6' - 0"	1
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201	DAY USE	24	LA-Z-BOY RECLINERS	LA-Z-BOY		9	NEW	OFOI				2
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201	DAY USE	31	BULLETIN BOARD	ULINE	H-3946	1	NEW	OFCI	4' - 0"		3' - 0"	2
201	KITCHEN	32	BAR STOOLS	FS FURNITURE		6	NEW	OFOI	1' - 5"	1' - 6"	3' - 6 1/4"	2
201	KITCHEN	33	DINING TABLE			1	NEW	OFOI				2
201	KITCHEN	34	CHAIRS	FS FURNITURE		10	NEW	OFOI	1' - 4 1/2"	1' - 5"	2' - 8 1/4"	2
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204	DORM	36	DESK JIVE TABLE	HAWTHORN	TCRA-1854	6	NEW	OFOI	4' - 6"	1' - 6"	2' - 5"	2
204	DORM	37	BLACK OUT SHADES	MECHOSHADE	0800	6	NEW	OFCI				2

## GENERAL NOTES

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## KEY NOTES

- PROVIDE SCHLUTER TRANSITION STRIP (TR-1) BETWEEN CONCRETE TO LUXURY VINYL TILE TRANSITION AND TILE TO LUXURY VINYL TILE TRANSITION. REFER TO INTERIOR FINISH SCHEDULE AND INTERIOR FINISH DETAILS.

## FLOORING

- POLISHED CONCRETE (CON-1)
- SEALED CONCRETE (CON-2)
- LUXURY VINYL TILE (LVT-1)
- TILE (T-1)
- BOOT WASH GRATE
- CARPET TILE



1008 W Main St  
Boise, Idaho 83702  
208.345.1800  
colearchitects.net  
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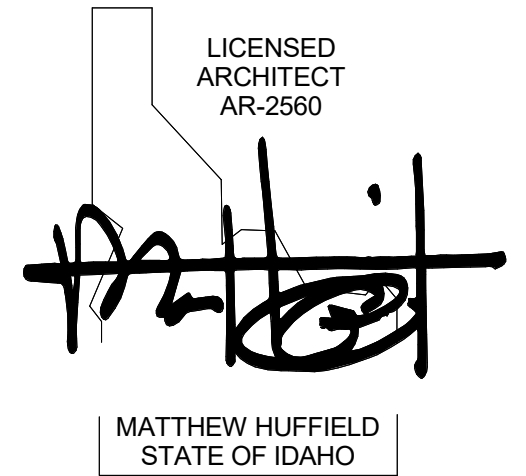


ARCHITECTURE + PLANNING + DESIGN

6211 Roosevelt Way NE  
Seattle, WA 98115  
206.522.3820

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### STAMP



### CONSULTANT

### PROJECT INFORMATION



## KETCHUM FIRE STATION NO. 1

107 SADDLE ROAD, KETCHUM, ID 83353

### ISSUES

PHASE	CONSTRUCTION SET
DATE	JUNE 19, 2020
JOB NUMBER	18-022

MARK	DATE	DESCRIPTION
13	11/4/20	RFI #CC-75
2	7/17/20	ASI 1

### SHEET NAME

## FINISH & FURNITURE FLOOR PLAN - LEVEL 02

### SHEET NUMBER

# A6.02

## Chris Schratwieser

---

**From:** kepa@gofloortech.com  
**Sent:** Friday, November 6, 2020 7:20 AM  
**To:** Chris Schratwieser  
**Subject:** RE: CoK Fire Station #1- Concrete floor finish

Gotcha, in that case, based on the numbers discussed previously looks like option 1 would be the original bid, \$42,975.75 (Plus sealed concrete) while option 2 would be \$39,457.95 (plus sealed concrete).

Thanks!

Change order credit is \$3,518.00



**Kepa Bengoa**  
Office Manager, Floor Tech, Inc.  
O (208) 462-5207 | C (208) 859-1229  
[www.gofloortech.com](http://www.gofloortech.com)

---

**From:** Chris Schratwieser <[chrisschratwieser@coreconstruction.com](mailto:chrisschratwieser@coreconstruction.com)>  
**Sent:** Thursday, November 05, 2020 3:17 PM  
**To:** kepa@gofloortech.com  
**Cc:** Matt Sylvester <[mattsylvester@coreconstruction.com](mailto:mattsylvester@coreconstruction.com)>  
**Subject:** RE: CoK Fire Station #1- Concrete floor finish

No stain. Only change from spec is to grind at 400 grit in lieu of 800 grit. All other processes to remain the same as the specifications.

Thanks

**Chris Schratwieser, LEED AP**  
Senior Project Manager

**CORE Construction | West**  
C: 702-715-2200 | W: [COREconstruction.com](http://COREconstruction.com)

---

**From:** [kepa@gofloortech.com](mailto:kepa@gofloortech.com) <[kepa@gofloortech.com](mailto:kepa@gofloortech.com)>  
**Sent:** Thursday, November 5, 2020 1:02 PM  
**To:** Chris Schratwieser <[chrisschratwieser@coreconstruction.com](mailto:chrisschratwieser@coreconstruction.com)>  
**Subject:** RE: CoK Fire Station #1- Concrete floor finish

Clarifying question. It looks like the documentation doesn't list whether the 400 areas are the 400 with stain or 400 without stain option, however I'm guessing that since it is not mentioned, it is without stain.

For now I'll work on the numbers based on without stain, but let me know if this is incorrect.

Thanks.

## Chris Schratwieser

---

**From:** Matt Sylvester  
**Sent:** Tuesday, November 3, 2020 1:27 PM  
**To:** Chris Schratwieser  
**Cc:** John Brown  
**Subject:** FW: Estimated materials cost

**Matthew Sylvester**  
Assistant Project Manager

**CORE Construction | West**  
C: 702-416-7677 | W: [coreconstruction.com](http://coreconstruction.com)

---

**From:** Emilio Bengoa <[EmilioB@flooringamericaboise.com](mailto:EmilioB@flooringamericaboise.com)>  
**Sent:** Tuesday, November 3, 2020 1:26 PM  
**To:** Matt Sylvester <[mattsylvester@coreconstruction.com](mailto:mattsylvester@coreconstruction.com)>  
**Subject:** Re: Estimated materials cost

Hello Matt,  
Great chatting with you today. Regarding the credit for the walk off carpet installation it's \$363.00 .

Thank you

Emilio Bengoa  
Commercial Project Manager  
[EmilioB@flooringamericaboise.com](mailto:EmilioB@flooringamericaboise.com)  
208-695-9155

---

**From:** Matt Sylvester <[mattsylvester@coreconstruction.com](mailto:mattsylvester@coreconstruction.com)>  
**Sent:** Tuesday, November 3, 2020 11:20 AM  
**To:** Emilio Bengoa <[EmilioB@flooringamericaboise.com](mailto:EmilioB@flooringamericaboise.com)>  
**Cc:** Chris Schratwieser <[chrisschratwieser@coreconstruction.com](mailto:chrisschratwieser@coreconstruction.com)>; John Brown <[johnbrown@coreconstruction.com](mailto:johnbrown@coreconstruction.com)>  
**Subject:** RE: Estimated materials cost

Emilio,

This shouldn't be an issue. First we need to wait for approval of your submittals. There are requirements that will need to be followed for stored materials for insurance purposes, and you will need to provide invoices from the manufacturers. But we will cross this bridge once your submittals get approved.

Thank you,

**Matthew Sylvester**  
Assistant Project Manager

**CORE Construction | West**  
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## Budget Evolution Item Summary

### City of Ketchum Fire Station #1

Office GWB & Laundry Furring

Date: 2/19/2021

Description: Added GWB at Offices & Laundry Wall Furring for Plumbing

SCOPE	SUBCONTRACTOR	AMOUNT
Added GWB & Wall furring	Interiors	\$ 884.00
SUBTOTAL:		\$ 884.00
SUBTOTAL reflects direct costs only on the presumption that costs will come from allowances. If costs are reimbursed by Change Order, TOTAL AMOUNT below reflects the SUBTOTAL with add of agreed upon markup in accordance with the change order pricing.		
Bond and Insurance	CORE	\$ 18.00
CMAR FEE	CORE	\$ 39.00
Sales Tax	CORE	\$ -
TOTAL AMOUNT:		\$ 941.00

# INTERIOR CONTRACTORS, INC.

PO. BOX 3873  
HAILEY, ID  
83333

# ESTIMATE

Date	Estimate #
2/10/2021	2500

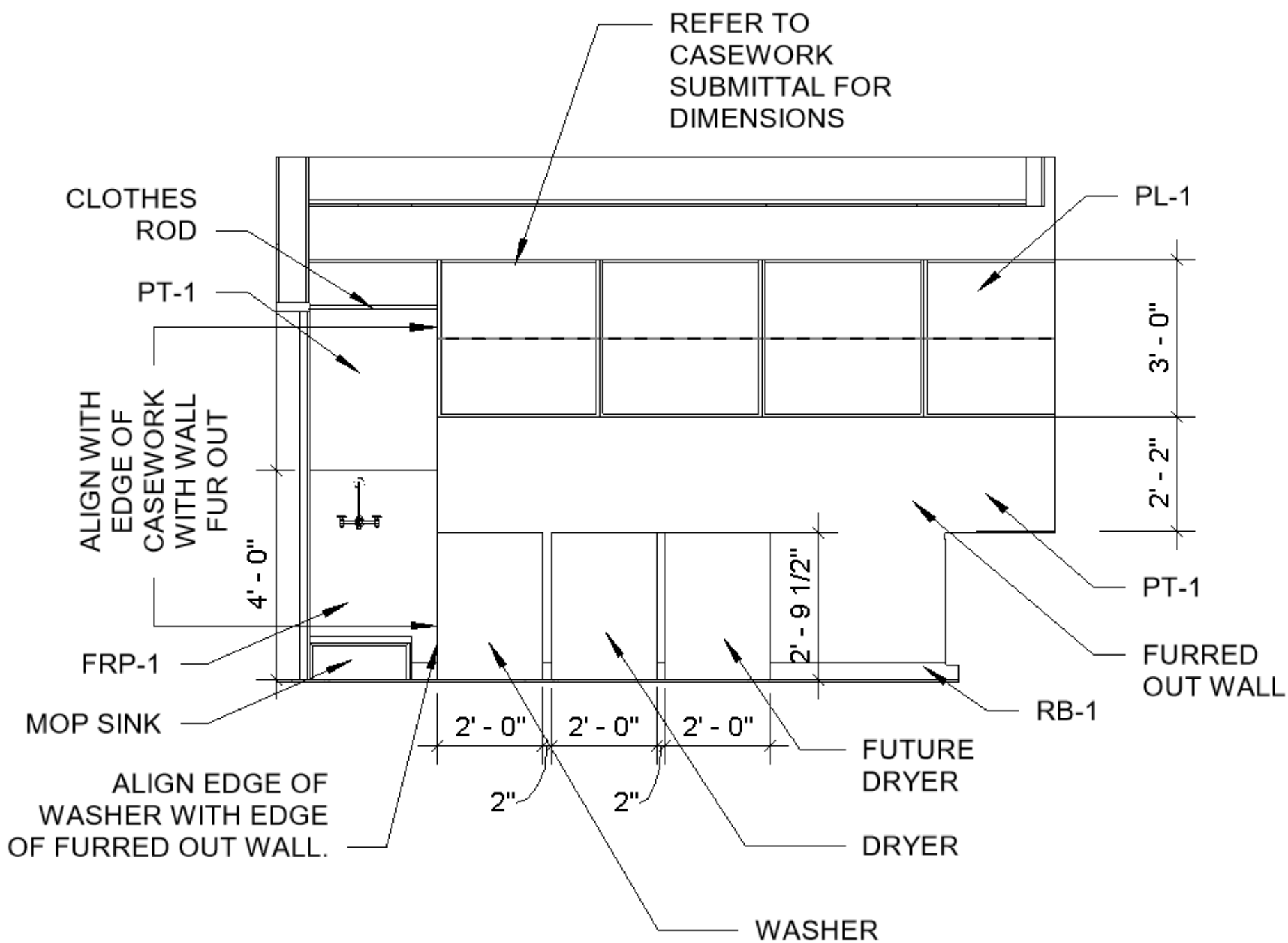
PUBLIC WORKS #002879-B-4 RCE-24255
--

Name / Address
CORE CONSTRUCTION CO.

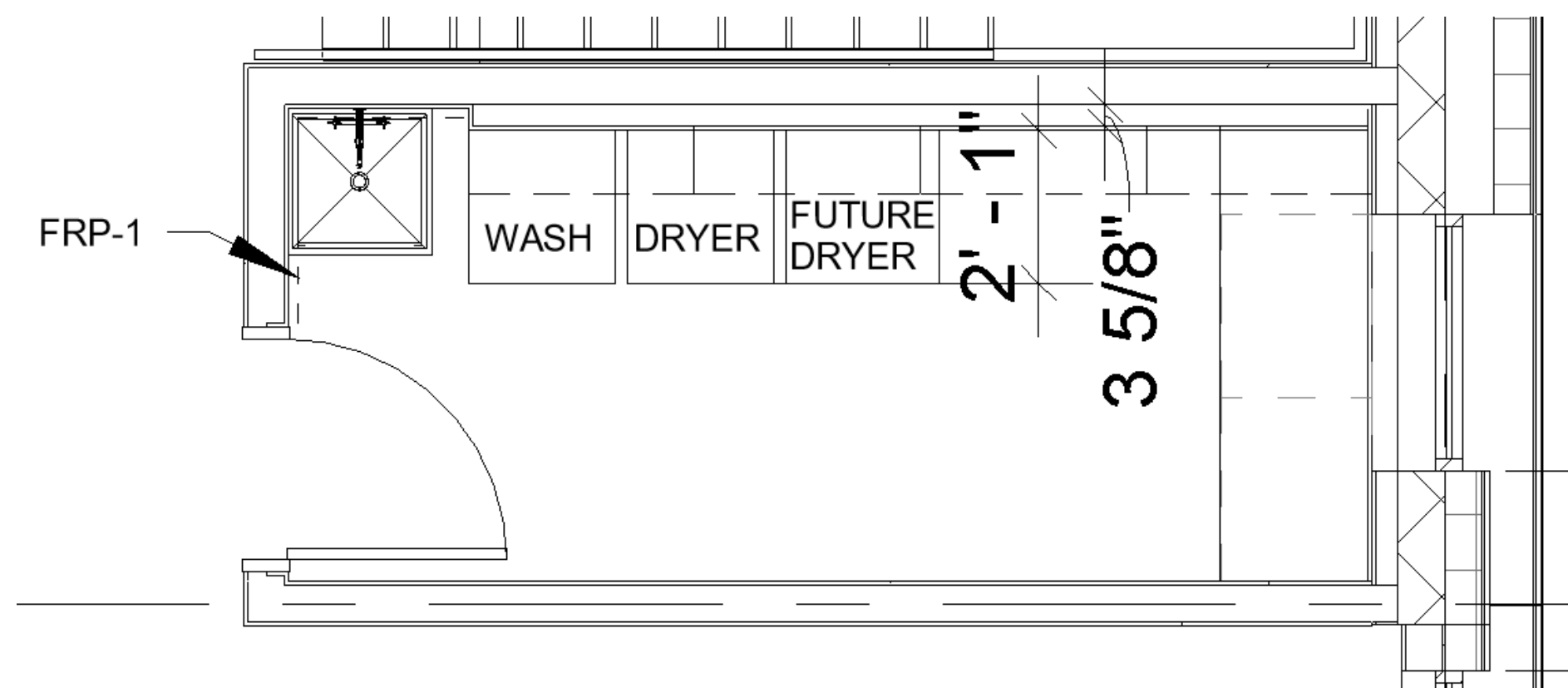
Project	
ID-COK FIRE STA...	
Description	Total
ADDED FURRING @ LAUNDRY ROOM	385.00
ADDED DRYWALL @ ROOMS 112 & 113	499.00
Thank you for your business.	
<b>Total</b> \$884.00	

Phone #	E-mail
1 208 481- 0311	john.incon@gmail.com





**INTERIOR ELEVATION - LAUNDRY 210 - NORTH**



**INTERIOR ELEVATION - LAUNDRY 210 - NORTH**

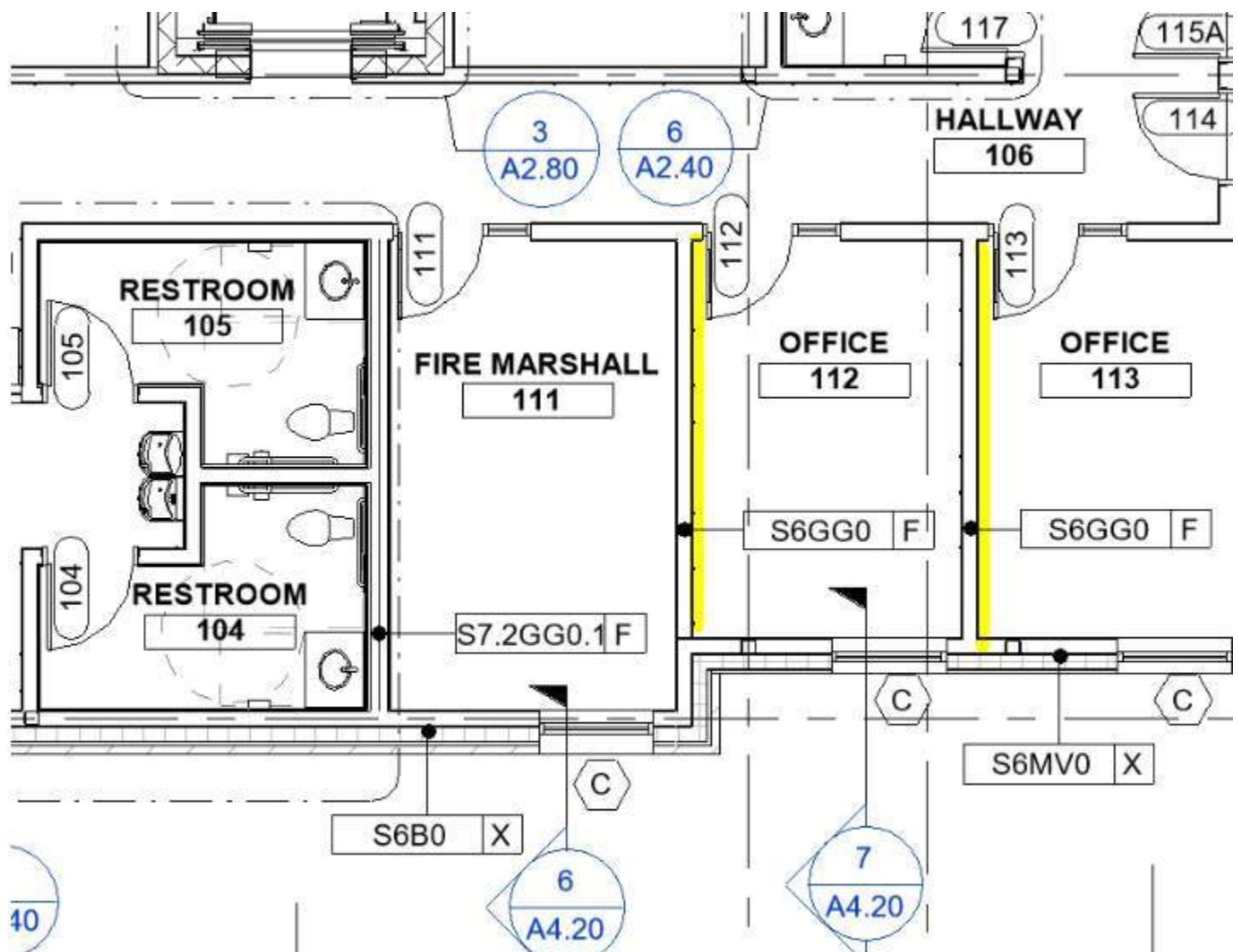


## Chris Schratwieser

**From:** Crystal McColly <crystal@colearchitects.com>  
**Sent:** Tuesday, January 26, 2021 3:53 PM  
**To:** Chris Schratwieser; Matt Sylvester  
**Cc:** John Brown; Dennis Potts; Cary Goldberg; Bill McLaughlin; Grant Gager; Kate Kelly; Kanika Golani  
**Subject:** Ketchum FS - Additional GWB for LEED Acoustic Rating

Good afternoon Chris,

In order to meet the LEED acoustic STC rating, we will need to have an extra layer of gyp board between the offices 111, 112 & 113, highlighted in the image below. Could you please provide a price for what this additional material would cost? For reference, each of the highlighted walls is approximately 14'-0" long by 12'-0" high.



Thank you,

## Budget Evolution Item Summary

### City of Ketchum Fire Station #1

## ASI 05

<b>PROJECT NAME</b>	KETCHUM FIRE STATION #1
<b>PROJECT NUMBER</b>	18-022
<b>DATE</b>	1/20/2021
<b>CONSTRUCTION COMPANY</b>	CORE CONSTRUCTION

**THE WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE FOLLOWING SUPPLEMENTAL INSTRUCTIONS ISSUED IN ACCORDANCE WITH THE CONTRACT.**

### **DESCRIPTION OF CHANGES:**

### **DRAWINGS:**

#### **ARCHITECTURAL:**

- 1) A2.02 – FLOOR PLAN – LEVEL 02
  - a) Added sink back into the kitchen island in Kitchen/Day Use 201.
- 2) A2.22 – DIMENSION PLAN – LEVEL 02
  - a) Added sink back into the kitchen island in Kitchen/Day Use 201.
- 3) A2.40 – ENLARGED PLANS
  - a) #4 – ENLARGED PLAN – KITCHEN
    - i) Added sink back into the kitchen island in Kitchen/Day Use 201.
- 4) A5.01 – INTERIOR ELEVATIONS
  - a) #11 – KITCHEN/DAY USE 201 ISLAND – NORTH
    - i) Added sink back into the kitchen island in Kitchen/Day Use 201.
- 5) A7.00 – ROOF PLAN
  - a) Added dimensions to roof ladder location per response to RFI #CC-133.

#### **PLUMBING:**

- 6) P1.01 – PLUMBING WASTE AND VENT PLAN – LEVEL 02
  - a) Added S-5 and associated water piping.
- 7) P2.01 – PLUMBING WATER AND GAS PLAN – LEVEL 02
  - a) Added S-5 and associated water piping.
- 8) P6.00 – PLUMBING FIXTURE SCHEDULE
  - a) Added S-5 to the plumbing fixture schedule.

#### **ELECTRICAL:**

9) E5.01 – POWER PLAN - LEVEL 01

- a) Install electrical connection for future gear dryer.
- b) Route 1"C-4#8, 1#10G from future gear dryer outlet to panelboard 'B'. Coordinate with owner for plug configuration prior to beginning work.

10) E8.00 – ELECTRICAL ROOF PLAN

- a) Moved conduits for Antenna to stub up adjacent to screen wall.
- b) Added 1" conduit for future PV controller. Stub conduit into structure space below.

11) E9.01 – ELECTRICAL SCHEDULES

- a) Added 3-Pole, 35 Amp circuit breaker in panelboard 'B' for future gear dryer. Electrical information has been provided by the owner.

## **ATTACHMENTS:**

## **DRAWINGS:**

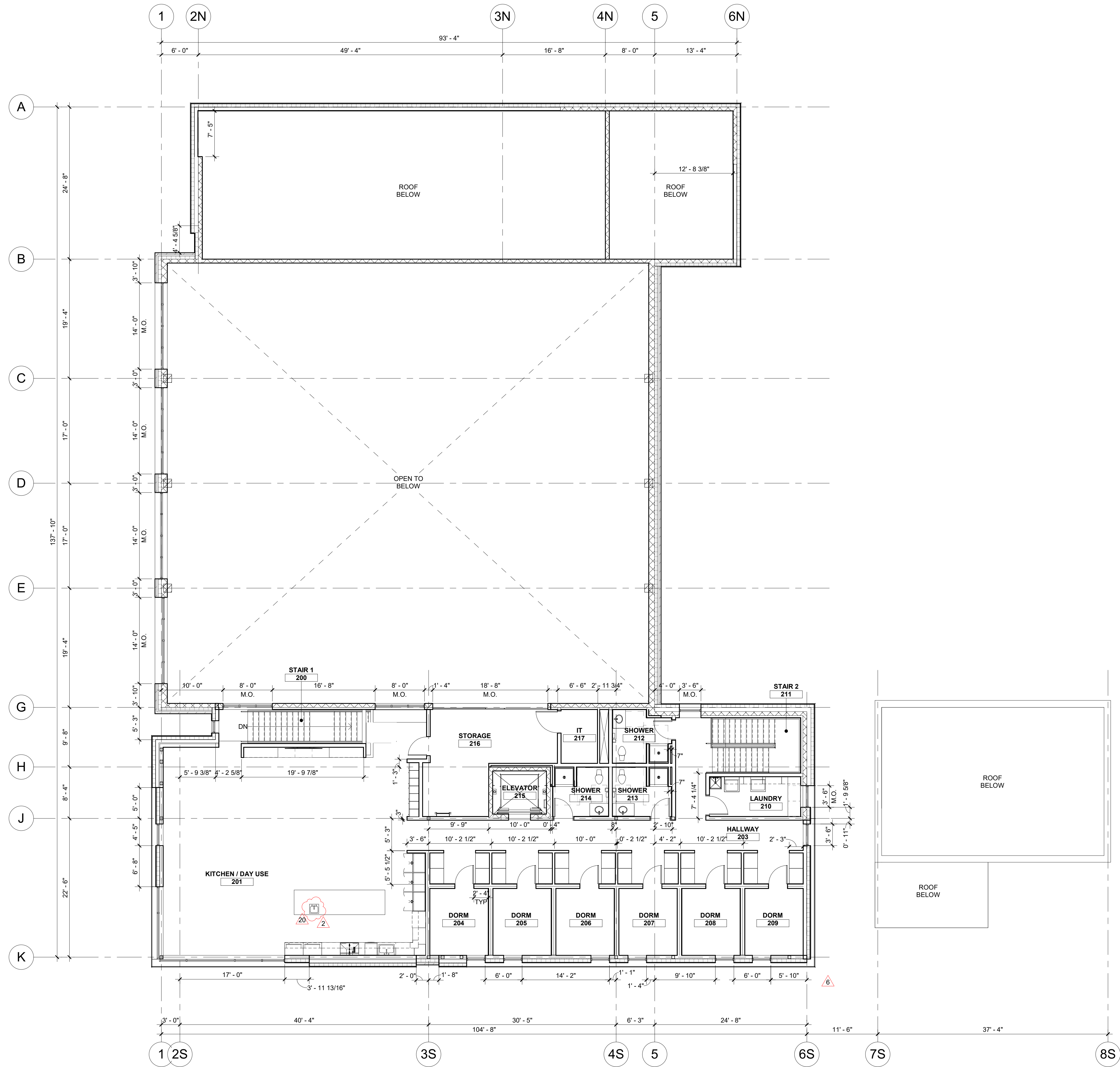
- A2.02 – FLOOR PLAN – LEVEL 02
- A2.22 – DIMENSION PLAN – LEVEL 02
- A2.40 – ENLARGED PLANS
- A5.01 – INTERIOR ELEVATIONS
- A7.00 – ROOF PLAN
- P1.01 – PLUMBING WASTE AND VENT PLAN – LEVEL 02
- P2.01 – PLUMBING WATER AND GAS PLAN – LEVEL 02
- P6.00 – PLUMBING FIXTURE SCHEDULE
- E5.01 – POWER PLAN – LEVEL 01
- E8.00 – ELECTRICAL ROOF PLAN
- E9.01 – ELECTRICAL SCHEDULES

**END OF ASI**



## A2.02





**1** LEVEL 02 DIMENSION PLAN  
SCALE | 1/8" = 1'-0"

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ARCHITECT  
AR-2560  
  
MATTHEW HUFFIELD  
STATE OF IDAHO

CONSULTANT

PROJECT INFORMATION



**KETCHUM FIRE  
STATION NO. 1**

107 SADDLE ROAD, KETCHUM, ID 83353

ISSUES

PHASE CONSTRUCTION SET

DATE JUNE 19, 2020

JOB NUMBER 18-022

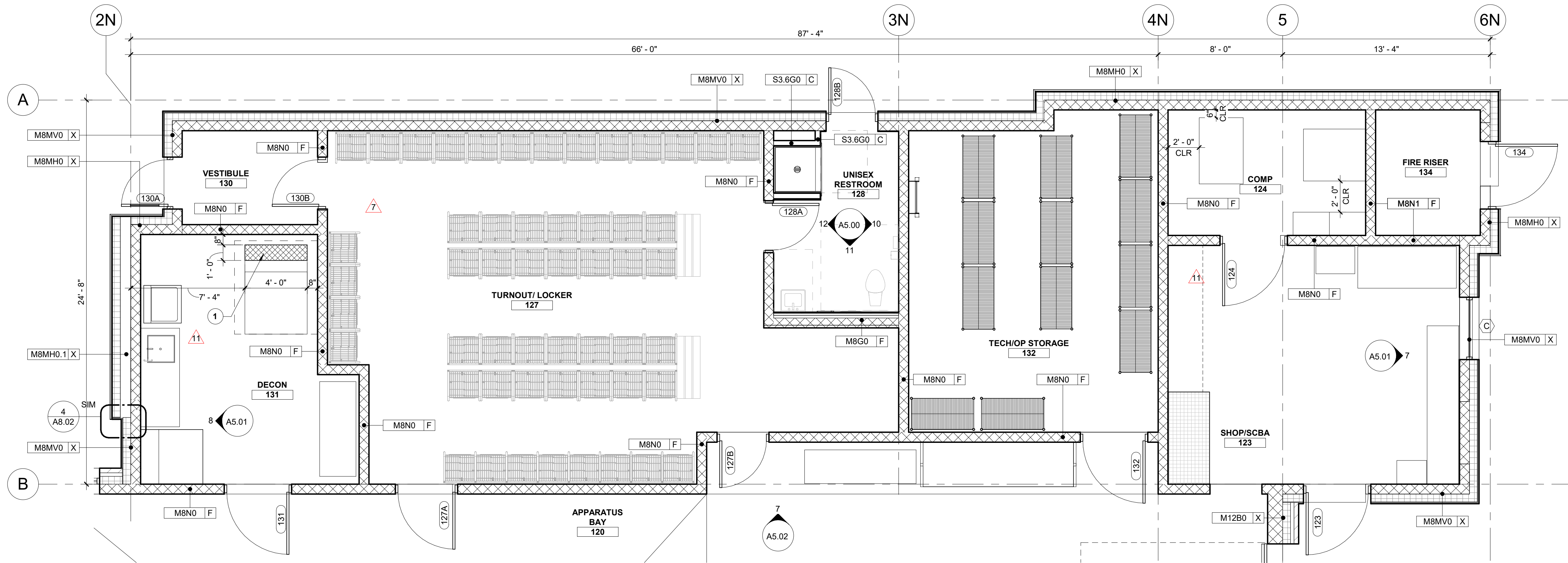
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6	8/17/20	ASI 2
2	7/17/20	ASI 1

SHEET NAME

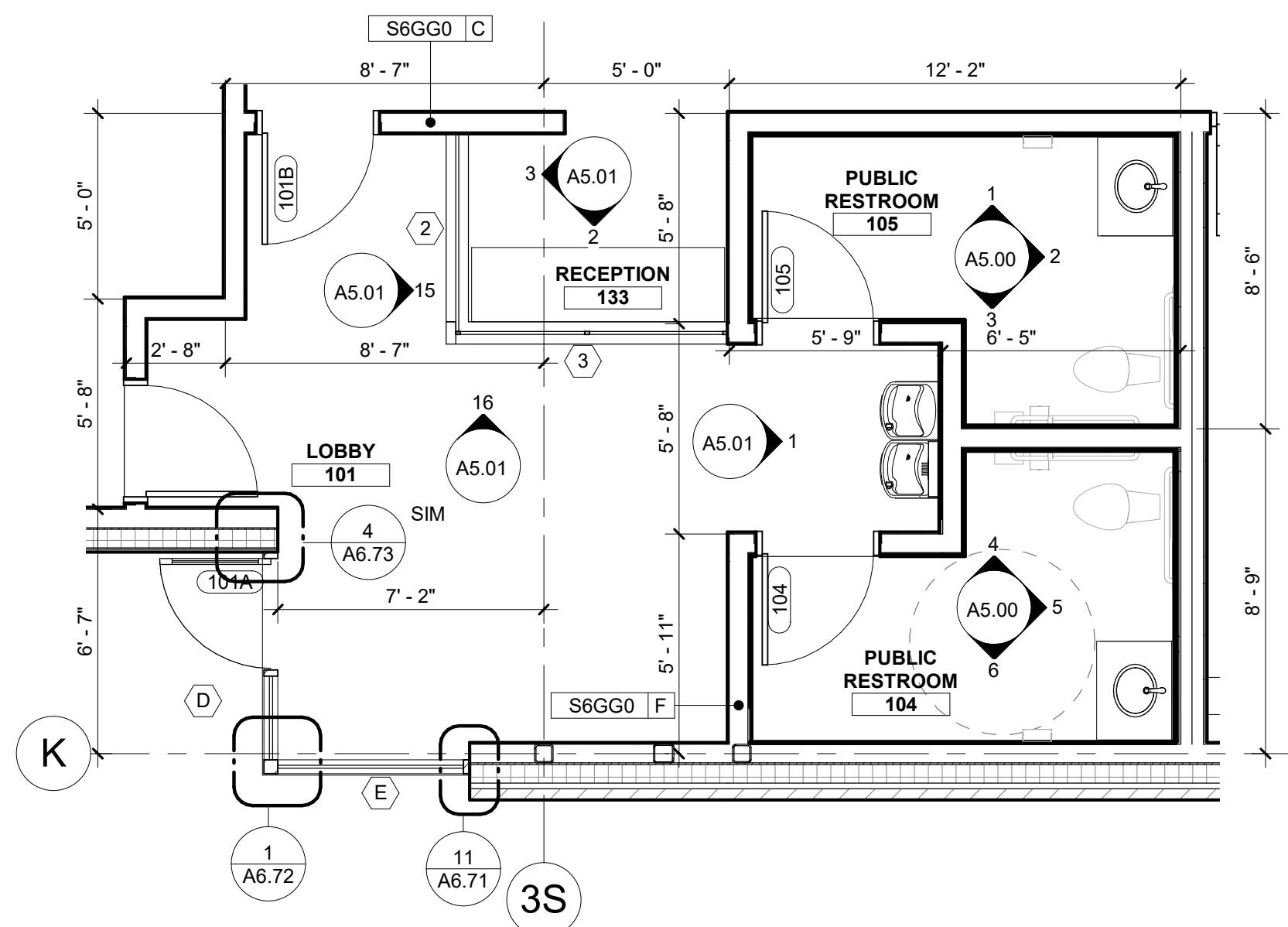
**DIMENSION PLAN -  
LEVEL 02**

SHEET NUMBER

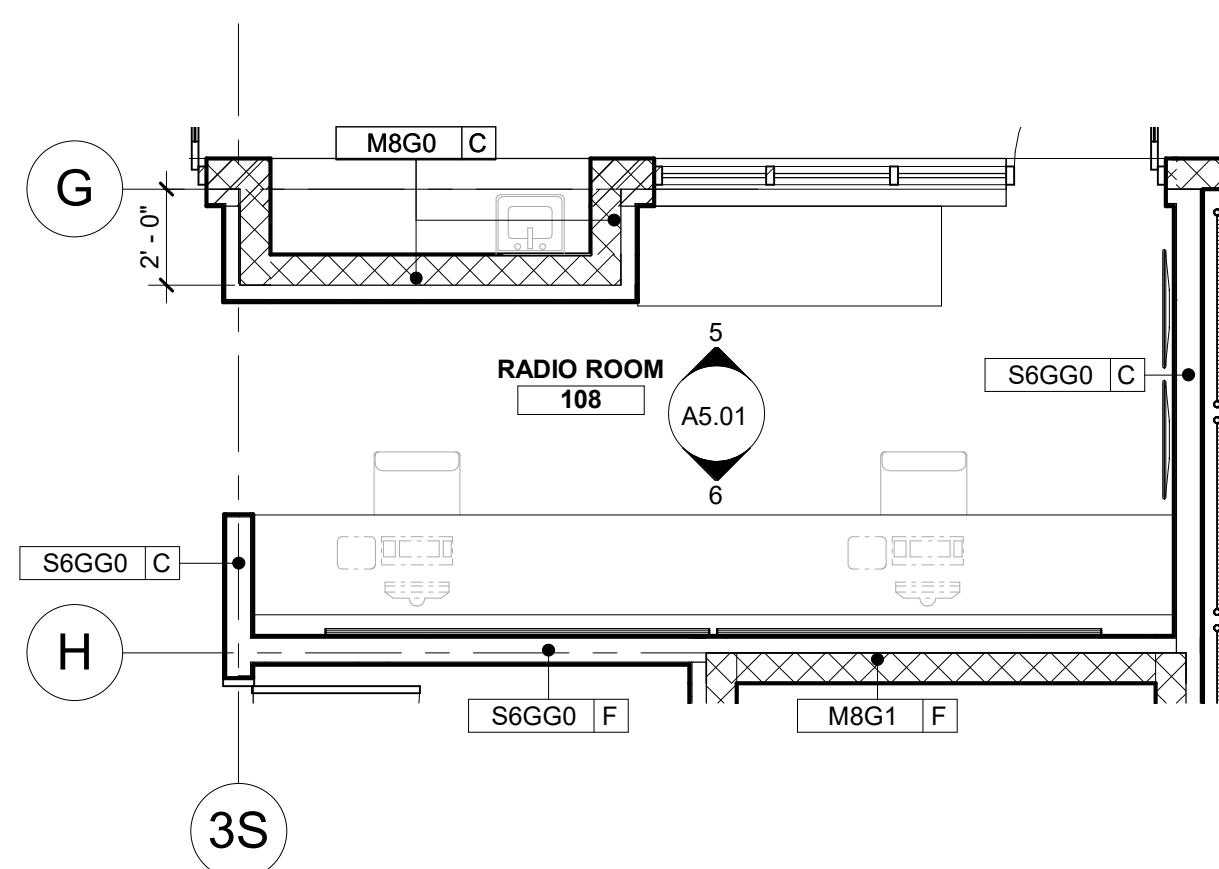
**A2.22**



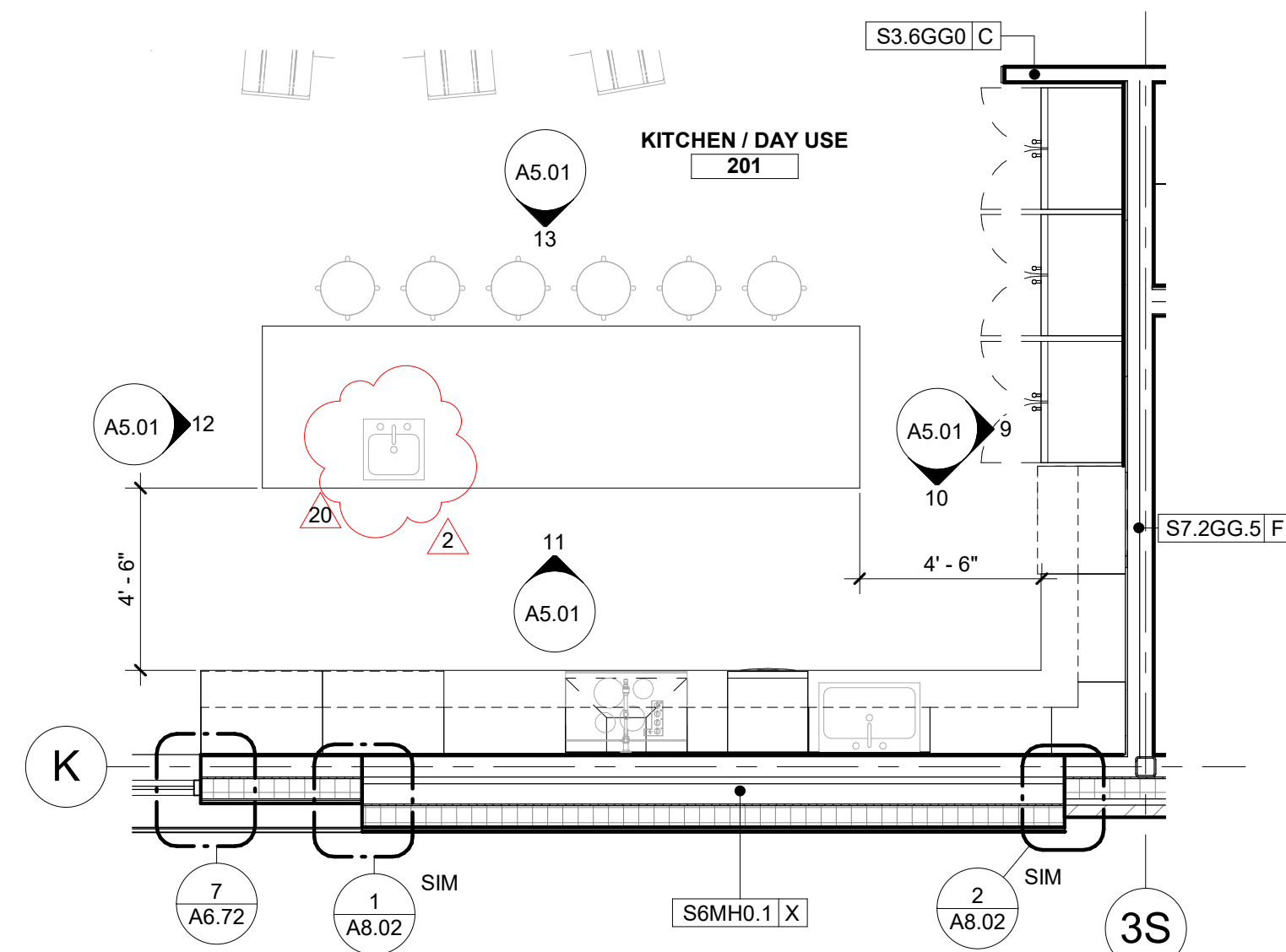
1 ENLARGED PLAN - SUPPORT/UTILITY BAY  
SCALE | 1/4" = 1'-0"



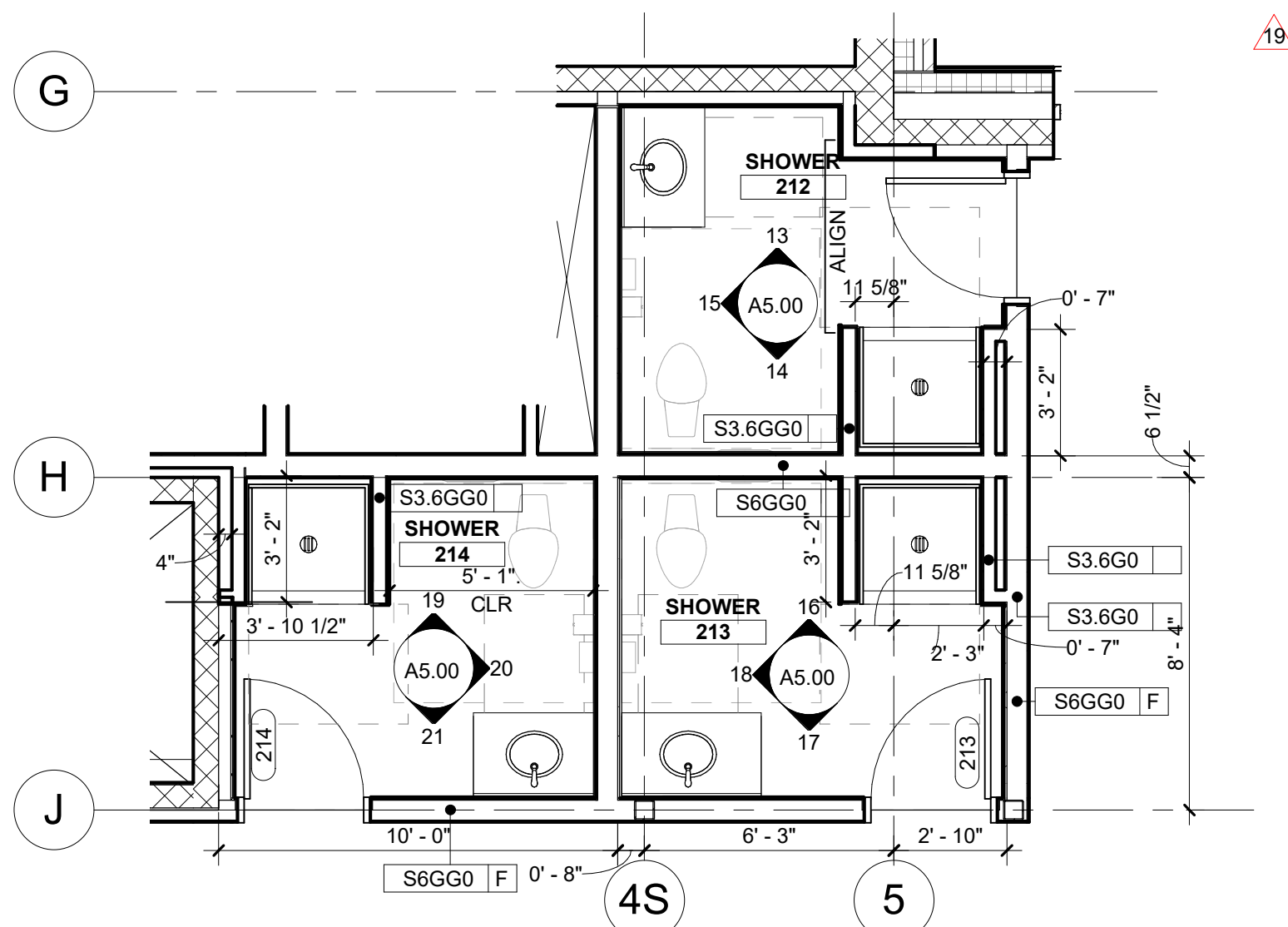
2 ENLARGED PLAN - LOBBY  
SCALE | 1/4" = 1'-0"



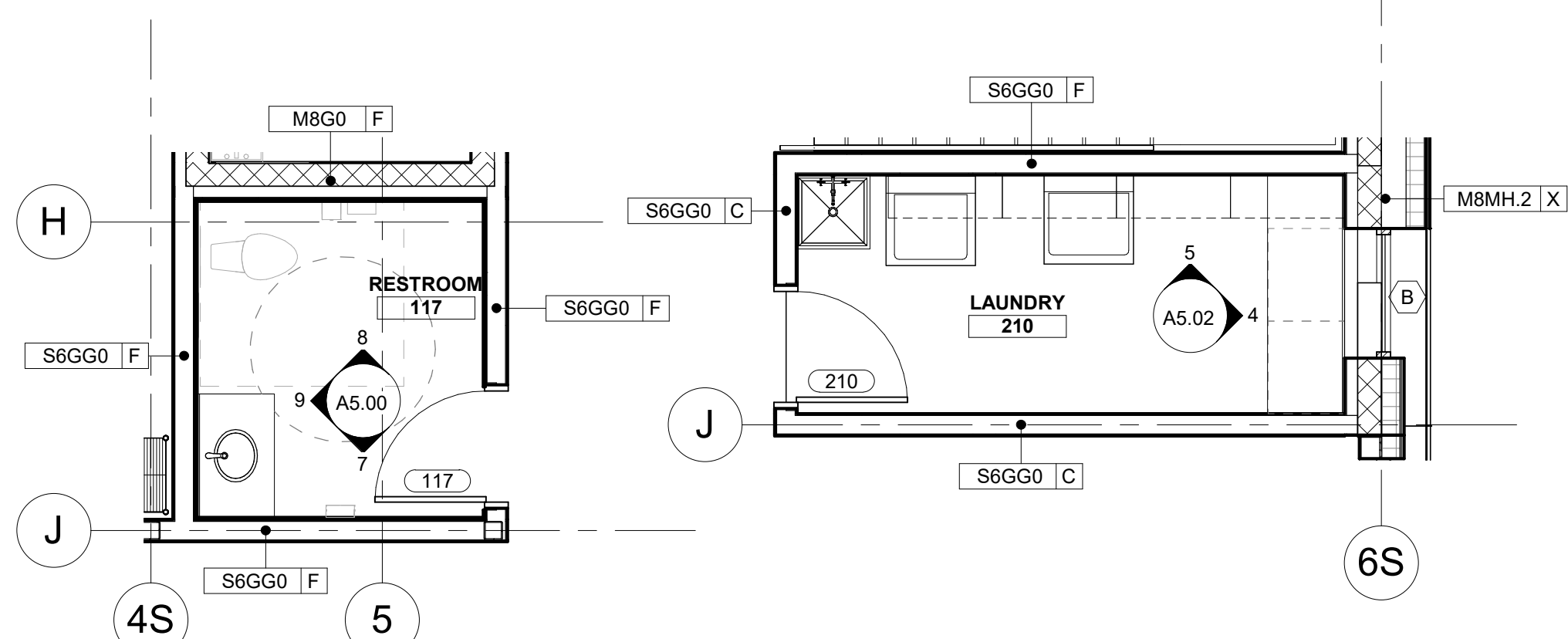
3 ENLARGED PLAN - RADIO ROOM  
SCALE | 1/4" = 1'-0"



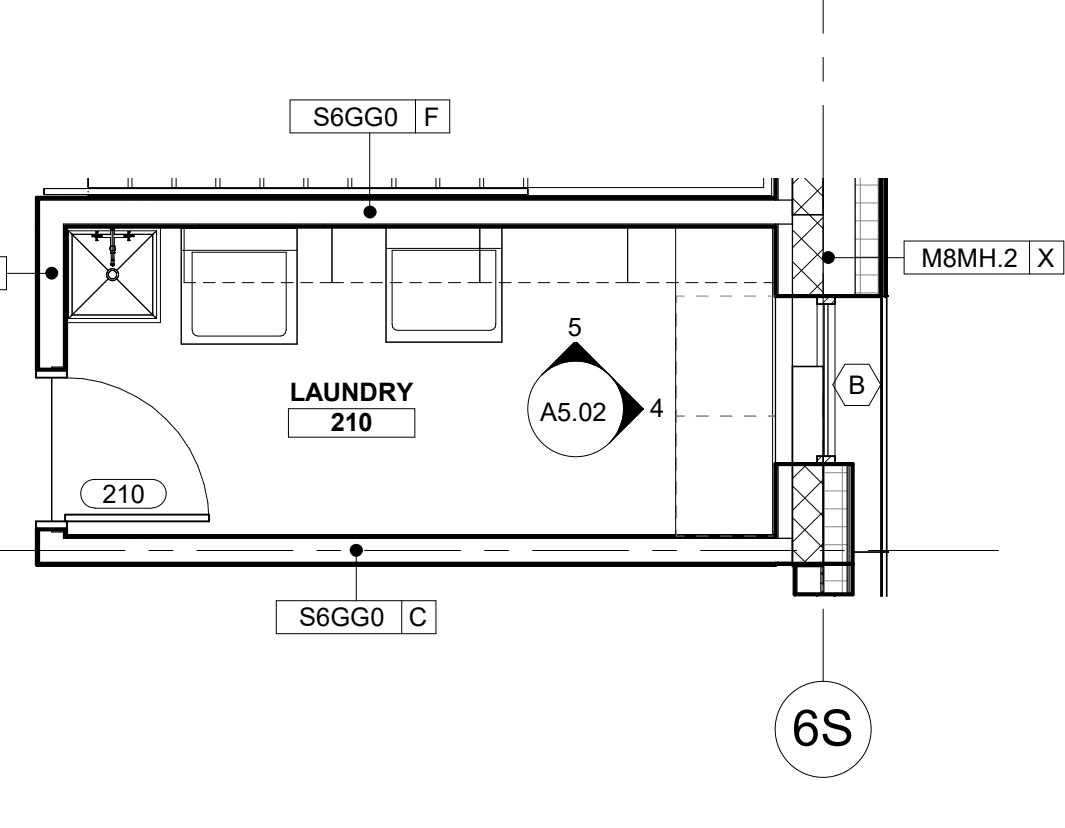
4 ENLARGED PLAN - KITCHEN  
SCALE | 1/4" = 1'-0"



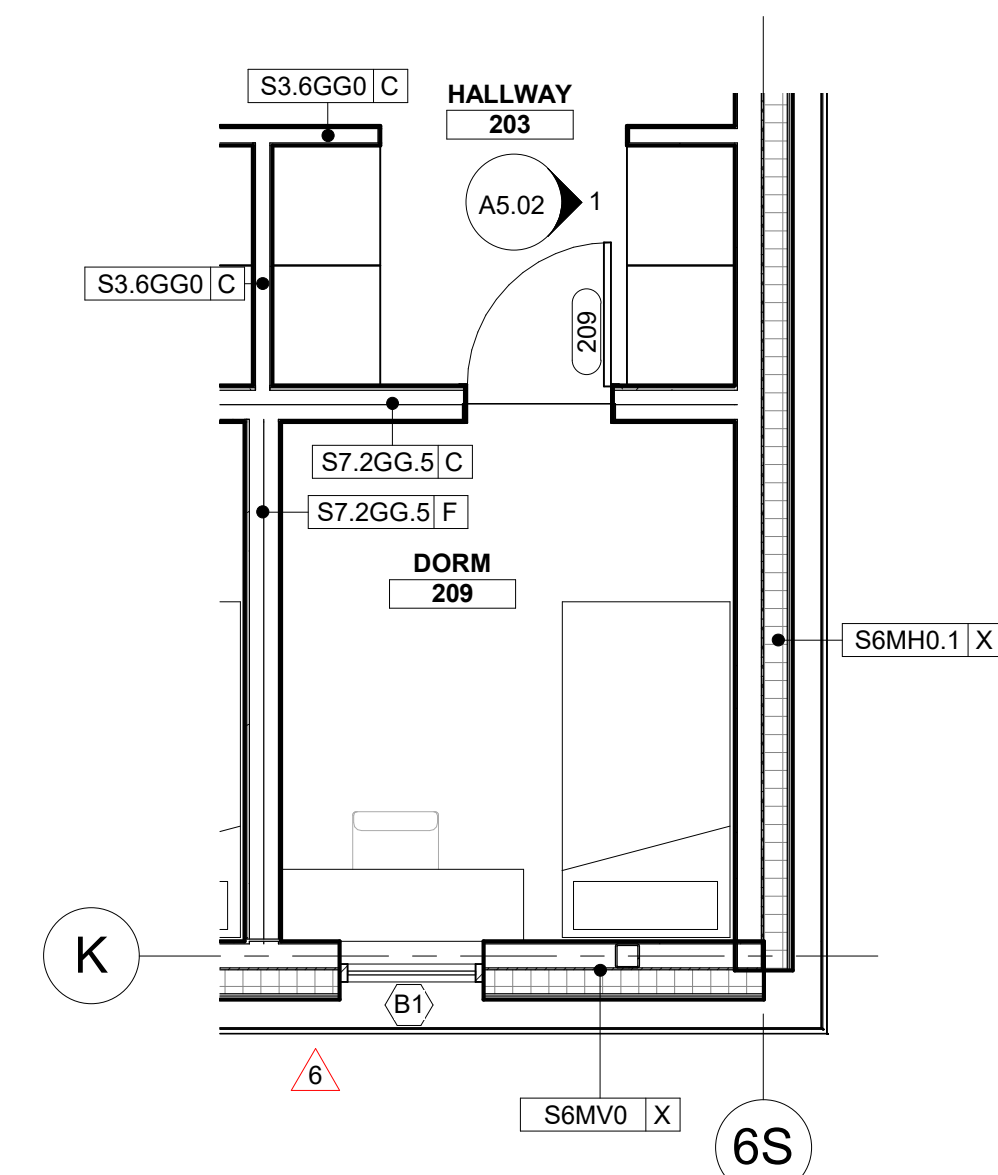
5 ENLARGED PLAN - DORM SHOWERS  
SCALE | 1/4" = 1'-0"



6 ENLARGED PLAN - OFFICE RESTROOM  
SCALE | 1/4" = 1'-0"



7 ENLARGED PLAN - LAUNDRY  
SCALE | 1/4" = 1'-0"



8 ENLARGED PLAN - TYPICAL DORM ROOM  
SCALE | 1/4" = 1'-0"

## KEYNOTES

1. 12"W X 12"D X 48"L TRENCH DRAIN WITH METAL DRAIN COVER.

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ARCHITECT  
AR-2560

**MATTHEW HUFFIELD**  
STATE OF IDAHO

CONSULTANT

PROJECT INFORMATION



**KETCHUM FIRE  
STATION NO. 1**

107 SADDLE ROAD, KETCHUM, ID 83353

ISSUES

PHASE CONSTRUCTION SET

DATE JUNE 19, 2020

JOB NUMBER 18-022

MARK	DATE	DESCRIPTION
20	01/20/21	ASI 05
19	12/28/20	RFI #CC-128
11	10/22/20	ASI 04
7	9/2/20	RFI #CC-62
6	8/17/20	ASI 2
2	7/17/20	ASI 1

SHEET NAME

ENLARGED PLANS

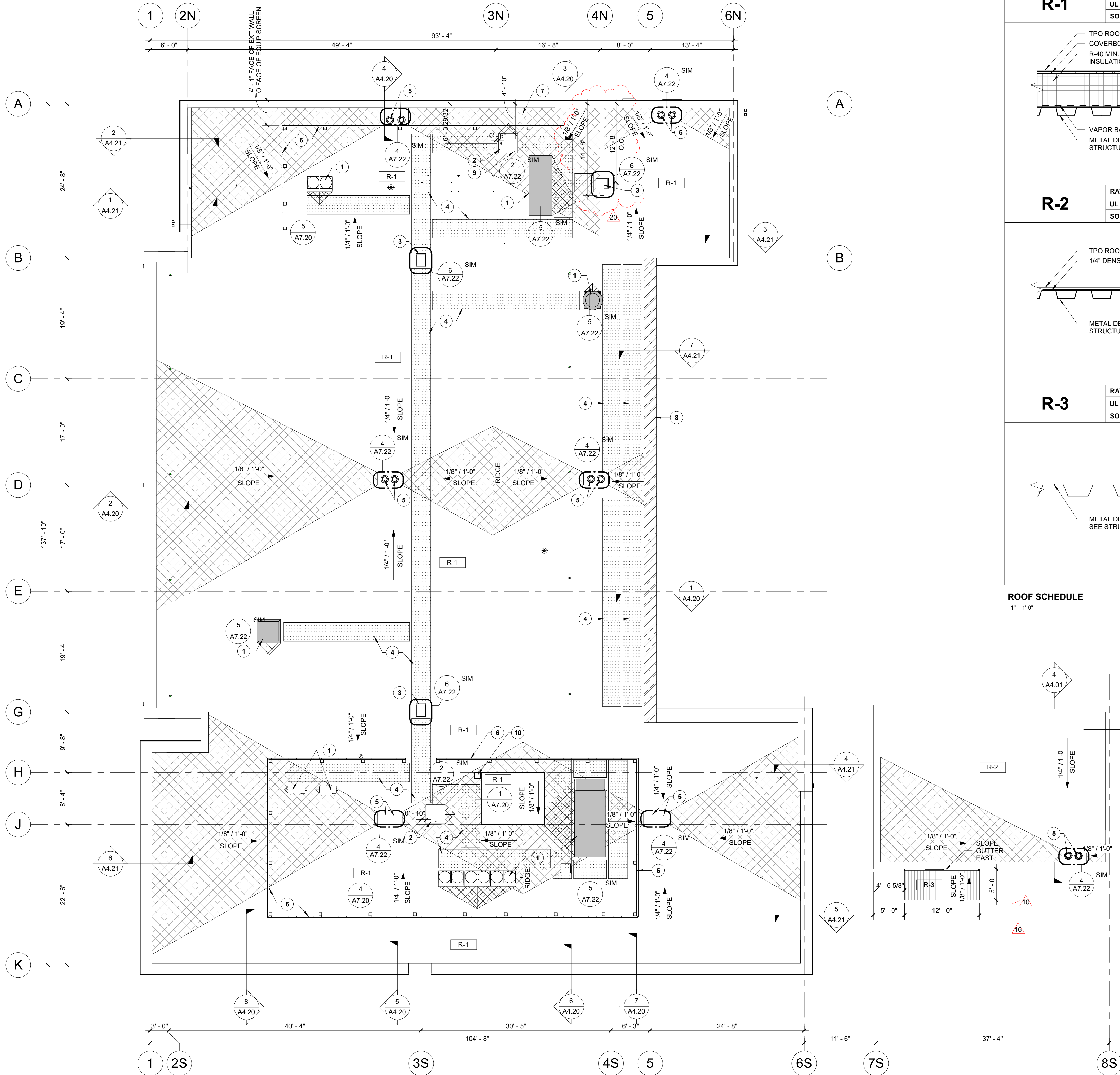
SHEET NUMBER

**A2.40**





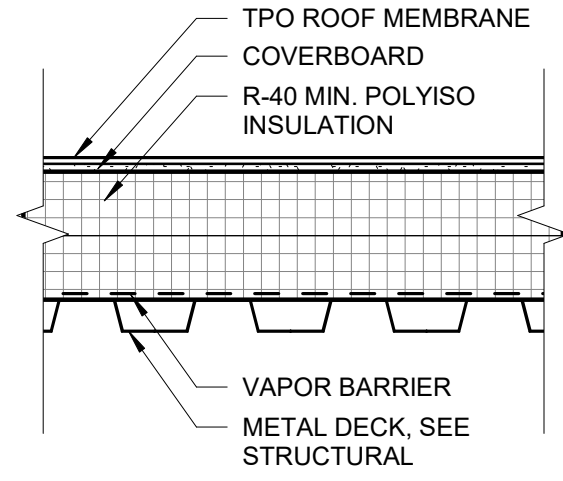




1 ROOF PLAN  
SCALE | 1/8" = 1'-0"

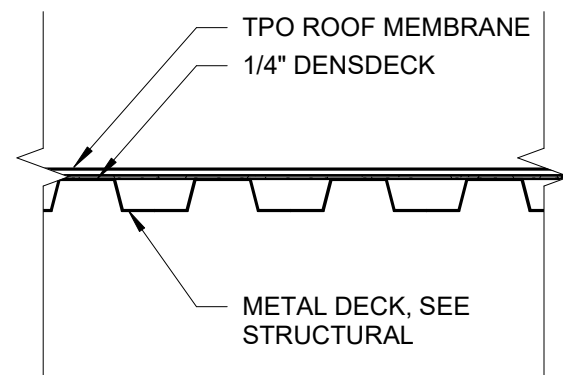
R-1

RATING:  
UL LISTING:  
SOUND RATING:



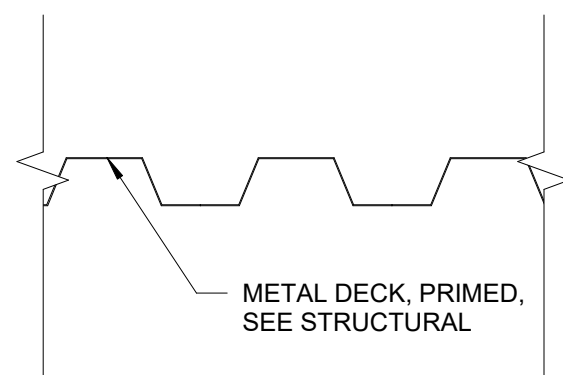
R-2

RATING:  
UL LISTING:  
SOUND RATING:



R-3

RATING:  
UL LISTING:  
SOUND RATING:



ROOF SCHEDULE  
1" = 1'-0"

## GENERAL NOTES

- COORDINATE INSTALLATION OF ROOFING WITH OTHER TRADES. REPORT ANY CONFLICTS WITH ITEMS INSTALLED BY OTHER TRADES TO ARCHITECT.
- ALL ROOF CURBS FOR NEW ROOFTOP EXHAUST FANS, HVAC UNITS AND CONDENSING UNITS SHALL HAVE CURB HEIGHTS THAT WILL ALLOW FOR A MINIMUM OF 8" BASE FLASHING HEIGHTS FOR THE ROOF SYSTEM.
- ALL PLUMBING VENTS SHALL EXTEND ABOVE THE FINISHED SURFACE OF THE ROOF SYSTEM AS REQUIRED TO PROVIDE FOR A MINIMUM OF 8" BASE FLASHING. PROVIDE FLASHING AROUND VENTS AND ROOF PENETRATIONS PER ROOFING MANUFACTURER RECOMMENDATIONS.
- PROVIDE 36" WIDE WALK PADS AROUND PERIMETER OF ALL MECHANICAL EQUIPMENT. PROVIDE 36" WIDE WALK PADS AROUND ALL ROOF HATCHES & 72"x72" PADS AT LADDERS.
- UNLESS NOTED OTHERWISE - PROVIDE FIRESTONE UNI-CLAD KYNAR 500/HYLAR 5000 PRE-FINISHED GALVALUME STEEL (24 GA) ARCHITECTURE SHEET AND COIL FOR ALL COPINGS, FLASHING & TRIM PIECES. SUBMIT STANDARD COLOR SELECTION TO ARCHITECT FOR APPROVAL. ALL CLEATS TO BE CONTINUOUS.
- ALL GUTTERS TO BE PREFINISHED SMACNA APPROVED 'K' STYLE CONTINUOUS ALUMINUM GUTTERS SIZED FOR QUANTITY OF WATER FLOW. PROVIDE STAINLESS STEEL SCREENS FOR GUTTERS. UNO PROVIDE HEAT CABLE IN GUTTER. UNO SUBMIT STANDARD COLOR SELECTION TO ARCHITECT FOR APPROVAL.
- ALL DOWNSPOUTS TO BE PRE-FINISHED SMACNA APPROVED RECTANGULAR ALUMINUM DOWNSPOUT SIZED FOR QUANTITY OF WATER FLOW. PROVIDE ALUMINUM ATTACHMENT CLIPS AT MAX 4' INTERVALS. UNO PROVIDE HEAT CABLE IN DOWNSPOUT AND EXTEND INTO GROUND. UNO SUBMIT STANDARD COLOR SELECTION TO ARCHITECT FOR APPROVAL. SEE EXTERIOR ELEVATIONS OR ROOF PLAN FOR LOCATIONS.
- PROVIDE PAINTED 4' TALL CAST ALUM. DOWNSPOUT BOOTS @ ALL DOWN SPOUTS, TIE INTO SUB-GRADE DRAINAGE, RE. CIVIL.
- TAPERED INSULATION TO BE 1/4" PER FOOT MIN SLOPE TO DRAIN. ROOF PLAN SHOWS TAPERED INSULATION FOR GRAPHIC REPRESENTATION ONLY. CONTRACTOR TO VERIFY INSULATION REQUIRED TO SLOPE PRIOR TO MEMBRANE INSULATION.
- PROVIDE TAPERED INSULATION CRICKETS 1/4" PER FOOT MIN. SLOPE @ HIGH SIDE OF ALL MECHANICAL UNITS AND ROOF HATCHES, TO SHED WATER AROUND AND MAINTAIN POSITIVE ROOF DRAINAGE.
- VERIFY ELEVATION OF ROOF DRAIN RELATIVE TO OVERFLOW SCUPPER PRIOR TO INSTALLATION OF SCUPPER.
- PROVIDE SELF-ADHERING VAPOR RETARDER BETWEEN DECK AND INSULATION. SEE ROOF SCHEDULE AND ROOF DETAILS. UNO PROVIDE CARLISLE AIR & VAPOR BARRIER TR725. PROVIDE AIR TIGHT SEAL AROUND ALL DECK PENETRATIONS & DECK PERIMETER PRIOR TO INSTALLING VAPOR BARRIER.
- ALL WOOD NAILER AND BLOCKING TO BE TREATED. SECURE NAILERS PER FM GLOBAL 1-49 PERIMETER FLASHING REQUIREMENTS.
- INSTALL MANUFACTURE'S RECOMENED PRESSURE-SENSITIVE RUSS STRIP ALONG ENTIRE ROOF PERIMETER AND AT PERIMETER OF ALL ROOF CURBS.
- WHEN APPLICABLE - UNLESS NOTED OTHERWISE, USE CDX PLYWOOD FOR EXTERIOR APPLICATIONS AND BCD PLYWOOD FOR INTERIOR APPLICATIONS.

## KEYNOTES #

- ROOF MOUNTED MECHANICAL UNIT, SEE MECHANICAL DRAWINGS.
- 3' x 3' ROOF ACCESS HATCH.
- ROOF ACCESS LADDER.
- WALKING PAD.
- ROOF DRAIN AND OVERFLOW DRAIN, SEE ARCH ROOF DETAILS AND PLUMBING DRAWINGS.
- EQUIPMENT SCREEN.
- FALL ARREST SYSTEM, SEE SPECIFICATIONS SECTION 118129.
- REINFORCED PARAPET CAP FOR LADDER TRAINING SHOWN HATCHED.
- GUARD RAIL ATTACHED TO ROOF HATCH.
- ROOF ANTENNA.

## ROOF PLAN LEGEND

- ROOF WALK PADS. REFER TO SPECIFICATIONS
- TAPERED INSULATION CRICKET
- REINFORCED WALL CAP FOR LADDER TRAINING



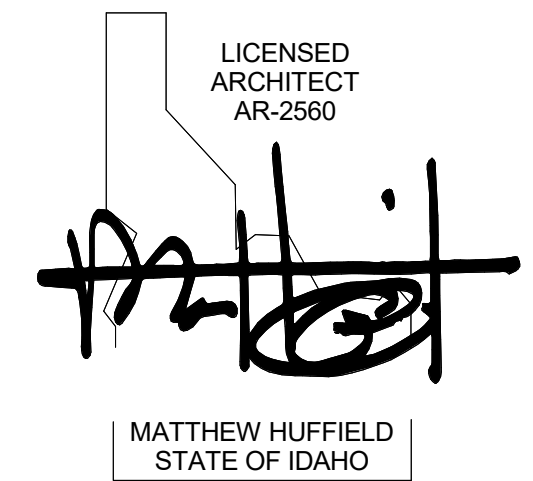
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### STAMP



### CONSULTANT

### PROJECT INFORMATION



### KETCHUM FIRE STATION NO. 1

107 SADDLE ROAD, KETCHUM, ID 83353

### ISSUES

PHASE	CONSTRUCTION SET
DATE	JUNE 19, 2020
JOB NUMBER	18-022

MARK	DATE	DESCRIPTION
20	01/20/21	ASI 05
16	12/15/20	RFI #CC-94
10	10/14/20	ASI 03

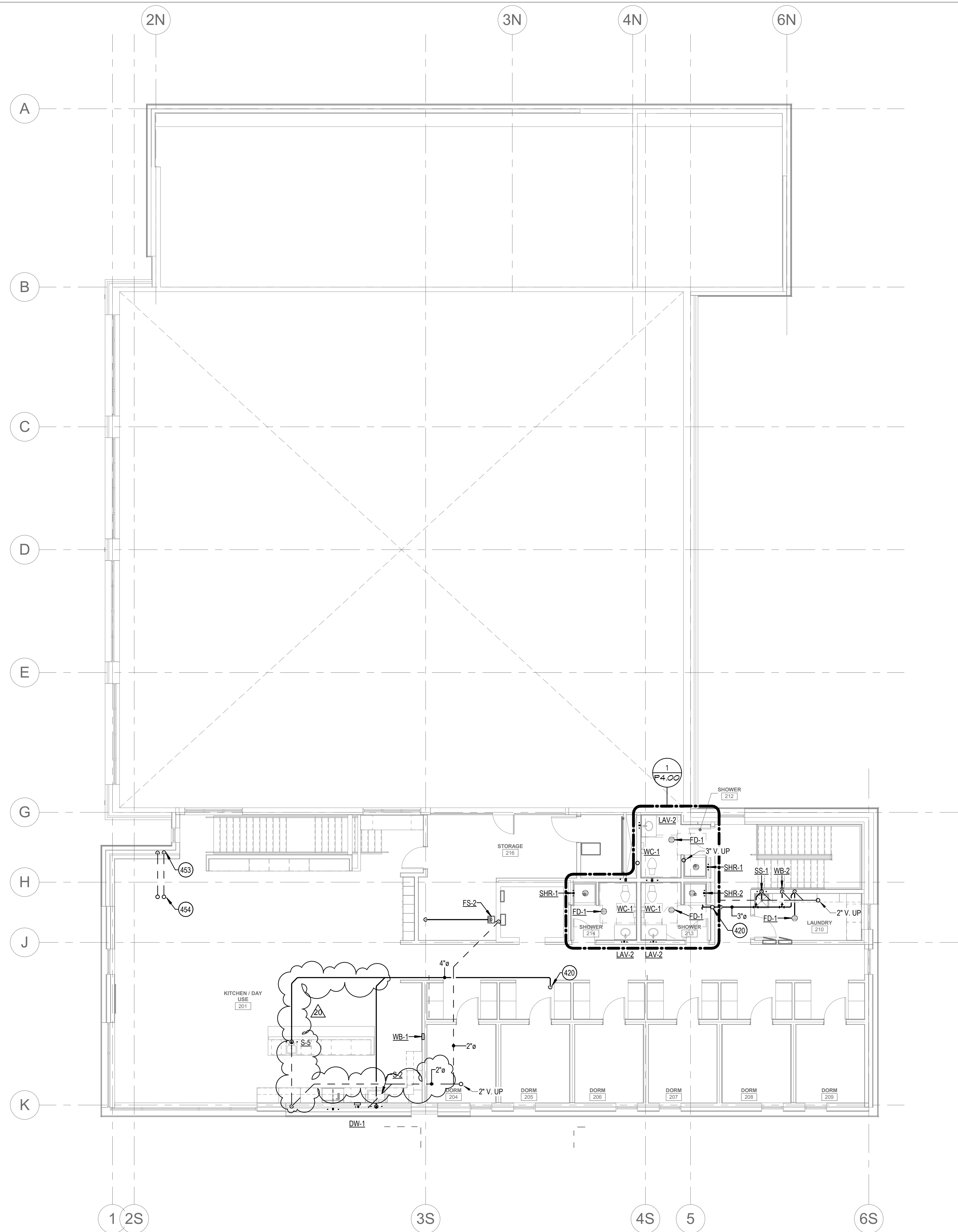
### SHEET NAME

### ROOF PLAN

### SHEET NUMBER

A7.00





**1 PLUMBING WASTE AND VENT - LEVEL 02**  
SCALE | 1/8" = 1'-0"

**KEYED NOTES:**

- ④ SYMBOL USED FOR CALLOUT
- 420 4" WASTE PIPING DOWN IN WALL TO BELOW. SEE 1ST FLOOR PLUMBING PLAN FOR CONTINUATION
- 453 3" VENTS UP FROM BELOW.
- 454 3" VENT UP THROUGH ROOF. REFER TO PLUMBING ROOF PLAN FOR CONTINUATION.



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PROJECT #19-366

PROJECT INFORMATION



**KETCHUM FIRE STATION**

107 SADDLE ROAD, KETCHUM ID 83353

ISSUES

PHASE	CONSTRUCTION SET
DATE	6/19/2020
JOB NUMBER	18-022

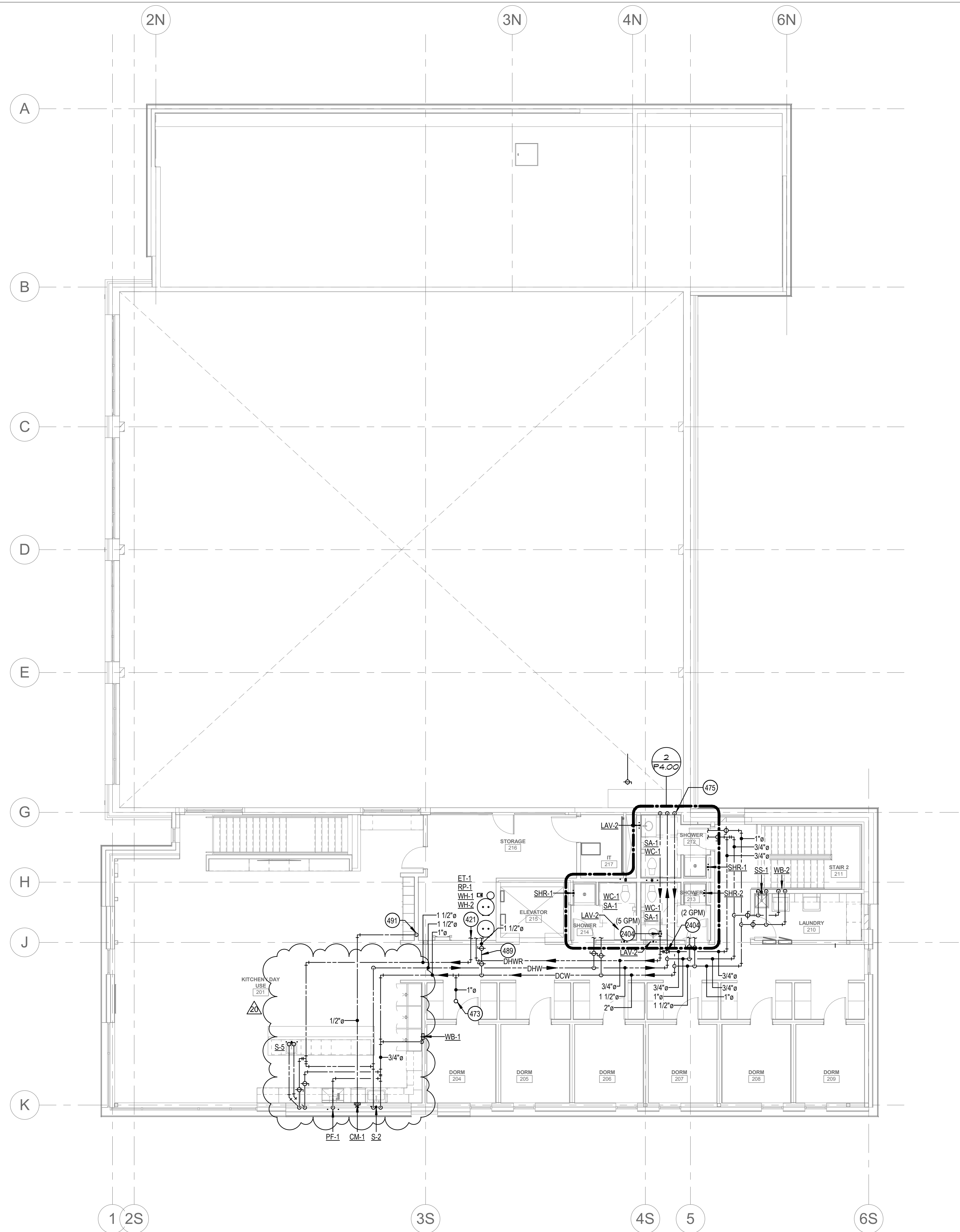
MARK	DATE	DESCRIPTION
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11	10/21/2	ASI #4
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20	1/20/21	ASI #5

SHEET NAME

**PLUMBING WASTE  
AND VENT PLAN -  
LEVEL 02**

SHEET NUMBER

**P1.01**



**1 PLUMBING WATER AND GAS - LEVEL 02**  
SCALE | 1/8" = 1'-0"

### KEYED NOTES:

- # SYMBOL USED FOR CALLOUT
- 421 REFER TO WATER HEATER PIPING DETAIL WITH TWO WATER HEATERS.
- 473 1" CW LINE ROUTED UP TO ROOF HYDRANT.
- 475 2" CW, 1 1/2" HW, AND 3/4" HWR UP FROM BELOW.
- 489 PROVIDE 1-1/2" SUB-METER ON THE DOMESTIC HOT WATER SYSTEM.
- 491 1/2" CW LINE UP FROM BELOW.
- 2404 BALANCE TO SPECIFIED GPM.



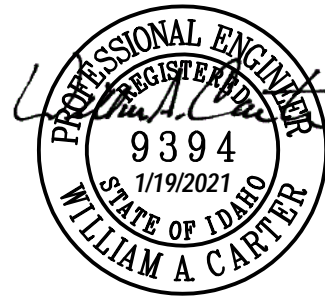
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PROJECT #19-366

PROJECT INFORMATION



### KETCHUM FIRE STATION

107 SADDLE ROAD, KETCHUM ID 83353

ISSUES

PHASE	CONSTRUCTION SET
DATE	6/19/2020
JOB NUMBER	18-022

MARK	DATE	DESCRIPTION
1	7/17/20	ASI #1
11	10/21/2	ASI #4
0		
20	1/20/21	ASI #5

SHEET NAME

**PLUMBING WATER  
AND GAS PLAN -  
LEVEL 02**

SHEET NUMBER

**P2.01**



PLUMBING FIXTURE SCHEDULE							
SYMBOL	FIXTURE DESCRIPTION	CONNECTION SIZE					MANUFACTURER / MODEL NUMBER / DESCRIPTION / ADDITIONAL COMMENTS
		WASTE	VENT	TRAP	CW	HW	
CM-1	WALL BOX (WATER SUPPLY TO COFFEE MAKER)	--	--	--	1/2	--	PROVIDED BY OTHERS, INSTALLED BY CONTRACTOR. PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER ON SUPPLY LINE.
D-1	DISPOSER	2	1 1/2	1 1/2	--	--	PROVIDED BY OTHERS, INSTALLED BY CONTRACTOR.
DF-1	DRINKING FOUNTAIN WITH BOTTLE FILLING STATION (INTERIOR DUAL BUBBLERS) (ELECTRIC WATER COOLER) (ADA COMPLIANT) (HIGH-LOW)	1 1/2	1 1/2	1 1/2	1/2	--	ELKAY MODEL LZSTL8WSLK HIGH-LOW COOLER WITH BOTTLE FILLING STATION WITH FLEXI-GUARD STREAMSAVER BUBBLER, OPERATED BY FRONT OR SIDE PUSH BARS AND BOTTLE FILLING STATION OPERATED BY SENSOR ACTIVATION WITH AUTOMATIC 30-SECOND SHUT-OFF TIMER. 115 VOLT, 4.5 AMP, 60 HERTZ, AND FILTER. PROVIDE WITH JAY R. SMITH 0834 FLOOR MOUNTED SUPPORT CARRIER.
DN-1	DOWN SPOUT NOZZLE (CAST IRON)	SEE PLANS	--	--	--	--	JAY R. SMITH FIGURE NUMBER 1770-NB CAST IRON NOZZLE WITH WALL FLANGE, NICKEL-BRONZE FINISH.
DW-1	DISHWASHER	--	--	--	--	1/2	PROVIDED BY OTHERS, CONNECT WASTE TO DISPOSAL. SEE DETAIL SHEET P2.00.
ET-1	EXPANSION TANK	--	--	--	3/4	--	AMTROL THERM-X-TROL ST-25V, OR APPROVED EQUAL, NON ASME SERIES THERMAL EXPANSION ABSORBER, ANTIMICROBIAL LINER, AND 5 YEAR WARRANTY.
ET-2	EXPANSION TANK	--	--	--	3/4	--	AMTROL THERM-X-TROL ST-12, OR APPROVED EQUAL, NON ASME SERIES THERMAL EXPANSION ABSORBER, ANTIMICROBIAL LINER, AND 5 YEAR WARRANTY.
ES-1	EMERGENCY EYE WASH/ SHOWER COMBINATION (FLOOR MOUNTED) (ADA COMPLIANT)	1 1/2	1 1/2	1 1/2	1 1/4	1-1/4	ACORN MODEL SZ310 BARRIER FREE COMBINATION SHOWER AND EYE WASH, WITH PULL ROPE AND PUSH FLAG. ABS SHOWERHEAD AND EYE/FACE WASH. PROVIDE WITH DUST COVER AND UNIVERSAL SIGN. PROVIDE WITH FD-1 AND ACORN MODEL ET71 LEAD FREE, THERMOSTATIC MIXING VALVE OR EQUAL. 1-1/4" TEMPERED WATER.
EYE-1	EMERGENCY EYE WASH (WALL MOUNTED)	--	--	--	1/2	1/2	ACORN SAFETY MODEL S0406-CH12-BFP, WALL MOUNTED WITH DUAL 45° ANGLED HEADS AND RECOIL HOSE, PROVIDE WITH FLIP TOP DUST COVERS, UNIVERSAL EMERGENCY SIGN, DOUBLE CHECK BACKFLOW, STAINLESS STEEL 90° WITH SHEET NIPPLE, AND ACORN MODEL ET71 THERMOSTATIC MIXING VALVE OR EQUAL, LEAD FREE, WITH TEMPERATURE GAUGE ON OUTLET.
FCQ	FLOOR CLEANOUT	SEE PLANS	--	--	--	--	JAY R. SMITH 4020 SERIES WITH ADJUSTABLE TOP AND ABS PLUG. PROVIDE WITH FIGURE NUMBER 9912 FOR HEIGHT ADJUSTMENT AFTER CONCRETE POUR.
FD-1	FLOOR DRAIN (CONCRETE FLOOR)	2	2	2	--	--	JAY R. SMITH FIGURE NUMBER 2005Y-A05NB: NO-HUB OUTLET, 5" ROUND, NICKEL BRONZE FINISH, WITH ADJUSTABLE STRAINER AND TRAP PRIMER. INSTALL TOP OF DRAIN 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
FD-2	FLOOR DRAIN (CONCRETE FLOOR)	4	2	4	--	--	JAY R. SMITH FIGURE NUMBER 2005Y-A08NB: NO-HUB OUTLET, 8" ROUND, NICKEL BRONZE FINISH, WITH ADJUSTABLE STRAINER AND TRAP PRIMER. INSTALL TOP OF DRAIN 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
FILL-1	FLUSH CONNECTION	--	--	--	3	--	BUILDING CONNECTIONS MODEL 152 2.5" WALL MOUNT FLUSH OUTLET. INSTALL WITH MODEL 164 CONTROL VALVE.
FS-1	FLOOR SINK (HALF GRATE) (10" DEEP) (FOOT TRAFFIC RATED)	4	2	4	--	--	JAY R. SMITH FIGURE NUMBER 3160Y-12: CAST IRON RECEPTOR, ALUMINUM DOME STRAINER, NICKEL BRONZE GRATE, AND TRAP PRIMER. INSTALL TOP OF SINK 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
FS-2	FLOOR SINK (6" DEEP) (HALF GRATE, FOOT TRAFFIC RATED)	2	2	2	--	--	JAY R. SMITH FIGURE NUMBER 3100Y-12: CAST IRON RECEPTOR, ALUMINUM DOME STRAINER, NICKEL BRONZE GRATE, AND TRAP PRIMER. INSTALL TOP OF SINK 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
GCO	GRADE CLEANOUT (NON-PAVED AREAS)	SEE PLANS	--	--	--	--	JAY R. SMITH 4220 SERIES WITH ABS PLUG.
GCO	GRADE CLEANOUT (PAVED AREAS) (VEHICULAR TRAFFIC)	SEE PLANS	--	--	--	--	JAY R. SMITH 4250 SERIES, ROUND FLANGED HOUSING WITH HEAVY DUTY CAST IRON COVER. FURNISH WITH ABS PLUG. COVER TO BE INSCRIBED "5AN".
HB-1	HOSE BIBB (EXTERIOR) (NON-FREEZE)	--	--	--	3/4	--	WOODFORD MODEL 67 - EXPOSED STYLE WITH MODEL 50HA BACKFLOW PREVENTER, 3/4" INLET, AND CHROME PLATED. PROVIDE WITH TEE KEY AND INSTALL AT 18" ABOVE FINISH GRADE.
HB-2	HOSE BIBB (INTERIOR)	--	--	--	3/4	--	WOODFORD MODEL 26 - EXPOSED STYLE WITH 3/4" INLET, AND CHROME PLATED. PROVIDE WITH METAL WHEEL HANDLE AND WOODFORD MODEL 50HF BACKFLOW PREVENTER.
LAV-1	LAVATORY (WALL MOUNTED) (ADA COMPLIANT)	1 1/2	1 1/2	1 1/4	1/2	1/2	KOHLER KINGSTON MODEL K-2005: VITREOUS CHINA, WALL MOUNTED, HOLES ON 4" CENTERS, AND GRID STRAINER. CHICAGO FAUCETS MODEL 420-E39V/PABCP. 3-3/4" LONG, SINGLE LEVER FAUCET WITH 0.35 GPM AERATOR. PROVIDE WITH JAY R. SMITH FIGURE NUMBER 0700-Z SUPPORT WITH CONCEALED ARMS AND WATTS SERIES USG-B THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRONZE BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F. PROVIDE WITH LS-1 LAV SHIELD.
LAV-2	LAVATORY (COUNTERTOP / CABINET MOUNTED) (ADA COMPLIANT)	1 1/2	1 1/2	1 1/4	1/2	1/2	KOHLER PENNINGTON MODEL K-2196-4 VITREOUS CHINA, COUNTERTOP-MOUNTED SINK WITH HOLES ON 4" CENTERS, AND GRID STRAINER. CHICAGO FAUCETS MODEL 420-E39V/PABCP. 3-3/4" LONG, SINGLE LEVER FAUCET WITH 0.35 GPM AERATOR. PROVIDE WITH WATTS SERIES LFUSG-B THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, LEAD-FREE BRASS BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F. PROVIDE WITH PIPING INSULATION, TRUEBRO LAV GUARD, PLUMBEREX HAND-SHIELD, OR EQUAL.
LS-1	LAVATORY SHIELD (WALL MOUNTED SHIELD FOR CONCEALING PIPING, VALVES, AND INSTANTANEOUS WATER HEATERS)	--	--	--	--	--	TRUEBRO "LAV SHIELD" ADA COMPLIANT, TOTAL ENCLOSURE. SINGLE-PIECE CONSTRUCTION, SLOAN OPTISHIELD ETF-529, OR APPROVED EQUAL.
OD-1	OVERFLOW ROOF DRAIN (LOW PROFILE DOME STYLE) (METAL GRATE)	--	--	--	--	--	JAY R. SMITH FIGURE NUMBER 1070Y-R-C-RS-CID WITH CAST IRON DOME GRATE AND RAIN SHIELD.
OI-1	OIL AND SAND INTERCEPTOR (1500 GALLONS)	4	3	--	--	--	PRE-CAST CONCRETE, 1500 GALLON CAPACITY, OIL AND SAND INTERCEPTOR. SEE DRAWING FOR DETAILS. NO SPLIT DESIGN VAULTS WITH GASKETS BELOW FLUID LEVEL ALLOWED.
PF-1	POT FILLER	--	--	--	1/2	1/2	PROVIDED BY OTHERS, INSTALLED BY CONTRACTOR.
RD-1	ROOF DRAIN (LOW PROFILE DOME STYLE) (METAL GRATE)	--	--	--	--	--	JAY R. SMITH FIGURE NUMBER 1010Y-R-C-CID WITH CAST IRON DOME GRATE.
RH-1	ROOF HYDRANT (NON FREEZE)	--	--	--	1	--	WOODFORD MODEL RHY2-MS, NON-FREEZE STYLE WITH 3/4" HOSE CONNECTION AND INTEGRAL DOUBLE CHECK BACKFLOW PREVENTER. REQUIRES 1/8" DRAIN HOLE TO BE PIPED TO A DRAIN LOCATION.
RP-1	RECIRCULATION PUMP (HOT WATER RETURN SYSTEM)	--	--	--	--	3/4	BELL AND GOSSETT BRONZE MODEL NBF-22, 115 VOLT, 0.8 AMPS, 92 WATTS, AND SHALL PROVIDE 7 GPM AT 10 FEET HEAD. INCLUDE 7-DAY PROGRAMMABLE ELECTRONIC TIME CLOCK WITH BATTERY BACKUP, INTERMATIC MODEL GMA0AVE-RD89, APPROVED ALTERNATE: ARMSTRONG, TACO, GRUNDFOS.
RPBP-1	REDUCED PRESSURE BACKFLOW PREVENTER	INDIRECT			--	--	WATTS SERIES LF009 REDUCED PRESSURE ZONE ASSEMBLY WITH QUARTER TURN BALL VALVES, BRONZE STRAINER, AND AIR GAP. BRONZE BODY CONSTRUCTION - 1/2" THRU 2", PROVIDE WITH STRAINER. LEAD FREE. 2 1/2" THRU 10" 957 SERIES. SEE NOTE 6.
S-1	SINK - SINGLE COMPARTMENT (17" X 20" X 6 1/2") (ADA COMPLIANT)	2	1 1/2	1 1/2	1/2	1/2	ELKAY LUSTERTONE MODEL LRAD-1720: 6-1/2" DEEP STAINLESS STEEL SINK, ELKAY MODEL LK-3001 SINGLE LEVER FAUCET WITH 1.5 GPM AERATOR, SWING SPOUT, AND HOSE SPRAY. PROVIDE WITH ELKAY MODEL LK-35 CHROME PLATED TAILPIECE AND STAINLESS STEEL BASKET, AND WATTS SERIES USG-B THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRONZE BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F.
S-2	KITCHEN SINK - DOUBLE COMPARTMENT (14" X 14" X 6 1/2" - EACH) (ADA COMPLIANT)	2	1 1/2	1 1/2	1/2	1/2	ELKAY LUSTERTONE MODEL LRAD-3319: 6-1/2" DEEP STAINLESS STEEL SINK, ELKAY MODEL LK-3001 SINGLE LEVER FAUCET WITH 1.5 GPM AERATOR, SWING SPOUT, AND HOSE SPRAY. PROVIDE WITH ELKAY MODEL LK-35 CHROME PLATED TAILPIECE AND STAINLESS STEEL BASKET, AND WATTS SERIES USG-B THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRONZE BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F.
S-3	PREP SINK - SINGLE COMPARTMENT (15" X 15" X 7")	2	1 1/2	1 1/2	1/2	1/2	ELKAY LUSTERTONE MODEL BLR1500: 7" DEEP, STAINLESS STEEL SINK WITH ELKAY MODEL LKD2223, DUAL HANDLE MIXING FAUCET WITH HIGH GOOSENECK SPOUT AND 1.5 GPM AERATOR. PROVIDE ELKAY MODEL LK-35 CHROME PLATED TAILPIECE AND STAINLESS STEEL BASKET.
S-4	BOOT WASH HAND SINK (17" X 15" X 6 1/2")	2	1 1/2	1 1/2	1/2	1/2	REGENCY 600HS17: 17"x15" STAINLESS STEEL SINK WITH INTEGRATED GOOSENECK FAUCET. PROVIDE CHROME PLATED TAILPIECE AND STAINLESS STEEL BASKET.
S-5	PREP SINK - SINGLE COMPARTMENT (15" X 15" X 7")	2	1 1/2	1 1/2	1/2	1/2	ELKAY LUSTERTONE MODEL BLR1500: 7" DEEP, STAINLESS STEEL SINK WITH ELKAY MODEL LKD2223, DUAL HANDLE MIXING FAUCET WITH HIGH GOOSENECK SPOUT AND 1.5 GPM AERATOR. PROVIDE ELKAY MODEL LK-35 CHROME PLATED TAILPIECE AND STAINLESS STEEL BASKET.
SHR-1	SHOWER (42" X 38" X 79") (INSERT STYLE) (ADA COMPLIANT)	2	1 1/2	2	1/2	1/2	BEST BATH SYSTEMS MODEL LCS4238A5T, WITH A 1/2" THRESHOLD, ONE PIECE CLASSIC TILE FINISH, SHOWER MODULE SHALL BE CONSTRUCTED OF GELCOAT/FIBERGLASS WITH FULL INTEGRAL PLYWOOD BACKING IN ALL THE WALLS FOR STRENGTH AND CUSTOMIZED INSTALLATION OF ACCESSORIES. PRE-LEVELLED FLOOR FOR EASY INSTALLATION. NOTE LOW THRESHOLD DESIGN REQUIRES 8" X 8" BLOCK OUT CENTERED AT DRAIN PIPE LOCATION. ACCESSORIES: (1) 12" S.S. GRAB BAR, (1) 24" S.S. GRAB BAR, (1) 27" S.S. GRAB BAR, (1) SURFACE MOUNTED SOAP DISH (1) SIOUX CHIEF CAULKLESS BRASS DRAIN #827-2B WITH CHROME SCREEN, (1) TWS COLLAPSIBLE "T" SHAPED WATER RETAINER. ALSO INCLUDE MOEN MODEL 8346EP15, 1.5 GPM ECO-PERFORMANCE HANDHELD SHOWER SYSTEM, POSI-TEMP, WITHOUT VOLUME CONTROL, ADJUSTABLE TEMPERATURE LIMIT STOP, 1/4 TURN STOPS, 4 PORT CYCLING VALVE, HANDHELD SHOWER, 69" DOUBLE SWIVEL HOSE ASSEMBLY, 30" SLIDE BAR, VACUUM BREAKER, DROP ELL, AND STAINLESS STEEL CURTAIN ROD. PROVIDE TAPE-WEIGHTED SHOWER CURTAIN.

PLUMBING FIXTURE SCHEDULE							
SYMBOL	FIXTURE DESCRIPTION	CONNECTION SIZE					MANUFACTURER / MODEL NUMBER / DESCRIPTION / ADDITIONAL COMMENTS
		WASTE	VENT	TRAP	CW	HW	
SHR-2	SHOWER (42" X 38" X 79") (INSERT STYLE) (ADA COMPLIANT)	2	1 1/2	2	1/2	1/2	BEST BATH SYSTEMS MODEL LCS4238A5T, WITH A 1/2" THRESHOLD, ONE PIECE CLASSIC TILE FINISH, SHOWER MODULE SHALL BE CONSTRUCTED OF GELCOAT/FIBERGLASS WITH FULL INTEGRAL PLYWOOD BACKING IN ALL THE WALLS FOR STRENGTH AND CUSTOMIZED INSTALLATION OF ACCESSORIES. PRE-LEVELLED FLOOR FOR EASY INSTALLATION. NOTE LOW THRESHOLD DESIGN REQUIRES 8" X 8" BLOCK OUT CENTERED AT DRAIN PIPE LOCATION. ACCESSORIES: (1) 12" S.S. GRAB BAR, (1) 24" S.S. GRAB BAR, (1) 27" S.S. GRAB BAR, (1) 32"x16" PHENOLIC LAB, ADA COMPLIANT, SWING-DOWN SEAT WITH LEGS, (1) SURFACE MOUNTED SOAP DISH (1) SIOUX CHIEF CAULKLESS BRASS DRAIN #827-2B WITH CHROME SCREEN, (1) TWS COLLAPSIBLE "T" SHAPED WATER RETAINER. ALSO INCLUDE MOEN MODEL 8346EP15, 1.5 GPM ECO-PERFORMANCE HANDHELD SHOWER SYSTEM, POSI-TEMP, WITHOUT VOLUME CONTROL, ADJUSTABLE TEMPERATURE LIMIT STOP, 1/4 TURN STOPS, 4 PORT CYCLING VALVE, HANDHELD SHOWER, 69" DOUBLE SWIVEL HOSE ASSEMBLY, 30" SLIDE BAR, VACUUM BREAKER, DROP ELL, AND STAINLESS STEEL CURTAIN ROD. PROVIDE TAPE-WEIGHTED SHOWER CURTAIN.
SS-1	SERVICE SINK (24" X 24" X 10") (FLOOR MOUNTED)	3	2	3	1/2	1/2	ACORN TERRAZZO-WARE MODEL TRH-242410: PROVIDE AND INSTALL WITH STAINLESS STEEL BUMPER GUARD, DRAIN GASKET, CHROME FAUCET, 36" HOSE AND WALL HANGER, MOP HANGER, AND 2 SIDE STAINLESS STEEL WALL GUARD.
TD-1	TRENCH DRAIN (10" WIDE) (HEAVY TRAFFIC RATED)	4	2	4	--	--	JAY R. SMITH FIGURE NUMBER 9812 10" WIDE TRENCH DRAIN SYSTEM. SLOPE DRAIN SYSTEM WITH INTEGRAL METAL RAIL, PROVIDE WITH END CAPS, OUTLETS, CATCH BASIN (9812G-880-CB24-SP), AND HEAVY DUTY (CLASS C) GALVANIZED STEEL BAR GRATE (MODEL 9812-G). REFER TO ARCHITECTURAL PLAN FOR EXACT LENGTH REQUIREMENTS.
TP-1	TRAP PRIMER (PRESSURE ACTIVATED) (1 TO 4 TRAPS)	--	--	--	1/2"	--	PRECISION PLUMBING PRODUCTS MODEL CPO-500 WITH DU DISTRIBUTION UNIT IF REQUIRED FOR SERVING MORE THAN ONE TRAP. APPROVED ALTERNATES: MIFAB, SIOUX CHIEF, SLOAN, AND ZURN
TP-1	TRAP PRIMER (FLUSH VALVE PRIMER) (1 TRAP)	--	--	--	1/2"	--	PRECISION PLUMBING PRODUCTS MODEL FVP-1VB WITH VACUUM BREAKER. TRAP PRIMER TUBING SHALL BE INSTALLED OFF BACK OF FLUSH VALVE. APPROVED ALTERNATES: MIFAB, SIOUX CHIEF, SLOAN, AND ZURN
TP-1	TRAP PRIMER (LAVATORY TAILPIECE PRIMER) (1 TRAP)	--	--	--	1/2"	--	DEARBORN BRASS 1-1/2" TRAP PRIMER TAILPIECE WITH COMPRESSION CONNECTION.
UF-1	UTILITY FAUCET	--	--	--	1/2	1/2	ACORN UTILITY FAUCET OPTION KFC: BRASS CONSTRUCTION WITH ROUGH CHROME FINISH, TWO HANDLES, 8" CENTERSET, WALL MOUNTED, PAIL HOOK WITH 9-11 1/4" REACH, WALL BRACE, VACUUM BREAKER, AND 3/4" THREADED SPOUT.
UF-2	UTILITY FAUCET	--	--	--	3/4	3/4	T&S BRASS AND BRONZE WORKS MV-0771-11N MIXING VALVE. CHROME PLATED WITH TWO HANDLES, 6" CENTER SET, WALL MOUNTED, PAIL HOOK WITH 9-11 1/4" REACH, WALL BRACE, VACUUM BREAKER, AND 3/4" THREADED SPOUT. PROVIDE WITH 50' HOSE, REAR TRIGGER STAINLESS STEEL WATER GUN & HOSE RACK.
US-1	UTILITY SINK (23" X 21" X 13") (FLOOR MOUNTED)	2	1 1/2	1 1/2	1/2	1/2	FIAT MOLDED STONE MODEL FL-1: PROVIDE WITH A-1 DECK CHROME FAUCET, DRAIN WITH STOPPER, AND EASY LEVELING LEGS.
WB-1	WALL BOX (WATER SUPPLY TO ICE MAKER)	--	--	--	1/2	--	OATEY FIREMASTER MODEL 39121 WITH FACEPLATE, ADJUSTABLE METAL SUPPORT BRACKET, AND WATER HAMMER ARRESTOR. FIRE-RATED, LOW LEAD, OR APPROVED EQUAL.
WB-2	WALL BOX (SUPPLY TO AND DRAIN FROM WASHING MACHINE)	2	1 1/2	2	1/2	1/2	OATEY FIREMASTER MODEL 38478 WITH ADJUSTABLE METAL SUPPORT BRACKET, AND WATER HAMMER ARRESTORS. FIRE RATED, OR APPROVED EQUAL.
WC-1	WATER CLOSET (DUAL FLUSH TANK) (FLOOR MOUNTED) (COMFORT HEIGHT / ADA)	4	2	INT.	1/2	--	KOHLER HIGHLINE MODEL K-3899, DUAL FLUSH, FLOOR MOUNTED, GRAVITY FLUSH TANK WITH ELONGATED BOWL, 1.6 GPF OR 1.1 GPF. PROVIDE KOHLER LUSTRA MODEL K-4650 ELONGATED, OPEN FRONT SEAT WITH CHECK HINGE AND COVER.
WCQ	WALL CLEANOUT	SEE PLANS	--	--	--	--	JAY R. SMITH 4472T SERIES WITH CAST BRONZE TAPER THREAD PLUG, STAINLESS STEEL ROUND COVER, AND A STAINLESS STEEL VANDAL PROOF SCREW.
WH-1	WATER HEATER (119 GALLON UPRIGHT MODEL) (208V-30 ELECTRIC)	--	--	--	SEE PLANS	SEE PLANS	BRADFORD WHITE MODEL E32-120R-3, SIMULTANEOUS TRIPLE ELEMENTS, (3) 6 KW, 208V/3Ø, 28" DIAMETER, 63" TALL, WITH TOP CONNECTIONS. PROVIDE WITH WALL BRACKET SUPPORT AND SEISMIC STRAP.
WH-2	WATER HEATER (119 GALLON UPRIGHT MODEL) (208V-30 ELECTRIC)	--	--	--	SEE PLANS	SEE PLANS	BRADFORD WHITE MODEL E32-120R-3, SIMULTANEOUS TRIPLE ELEMENTS, (3) 6 KW, 208V/3Ø, 28" DIAMETER, 63" TALL, WITH TOP CONNECTIONS. PROVIDE WITH WALL BRACKET SUPPORT AND SEISMIC STRAP.
WH-3	WATER HEATER (50 GALLON UPRIGHT MODEL) (208V-10 ELECTRIC)	--	--	--	SEE PLANS	SEE PLANS	BRADFORD WHITE MODEL LE250S3-1NCZZ, NON-SIMULTANEOUS DUAL ELEMENTS, (2) 4.5 KW, 208V/1Ø, 22" DIAMETER, 47" TALL, WITH TOP CONNECTIONS. PROVIDE WITH WALL BRACKET SUPPORT AND SEISMIC STRAP.
NOTES:							
1. ALL ADA COMPLIANT FIXTURES MUST COMPLY WITH ICC/ANSI A117.1. SEE ARCHITECTURAL PLANS FOR HANDICAPPED FIXTURE DESIGNATIONS, LOCATIONS, CLEARANCES, AND MOUNTING HEIGHTS.							
2. ALL EXPOSED HW PIPING, CW PIPING, AND DRAIN LINES BENEATH ALL LAVATORIES AND ALL ADA COMPLIANT SINKS MUST BE INSULATED TO PREVENT INJURY. REFER TO ARCHITECTURAL PLANS. INSULATE WITH MOLDED CLOSED CELL VINYL INSULATION - TRUEBRO, PLUMBEREX, OR EQUAL.							
3. PROVIDE P-TRAP PRIMERS FOR ALL FLOOR DRAINS AND FLOOR SINKS. PROVIDE A BALL TYPE SHUT-OFF VALVE UPSTREAM OF PRIMER VALVE. SEE SPECIFICATIONS.							
4. SEE SPECIFICATIONS FOR ALTERNATE APPROVED MANUFACTURERS.							
5. BACKFLOW PREVENTION: THIS BUILDING IS PROVIDED WITH A BACKFLOW PREVENTION DEVICE ON THE MAIN WATER SERVICE AND REDUCED PRESSURE BACKFLOW PREVENTION ON THE FOLLOWING PIECES OF EQUIPMENT: COFFEE MAKER ICE MAKER EVAPORATIVE COOLER NON-POTABLE LOOP AT APPARATUS BAY							

GAS SIZING CHART (METER #1)			
SYMBOL	INPUT (MBH)	RUNOUT SIZE (2-PSI) (INCHES)	EQUIPMENT CONNECTION SIZES (7" WC) (INCHES)
B-5 (RADIANT FLOOR SYSTEM)	399.0	1/2	3/4
B-6 (RADIANT FLOOR SYSTEM)	399.0	1/2	3/4
B-7 (RADIANT FLOOR SYSTEM)	399.0	1/2	3/4
B-8 (RADIANT FLOOR SYSTEM)	399.0	1/2	3/4
RADIANT HEATERS 200.0 MBH (XS)	1000.0	1/2 (EACH)	3/4
GAS GENERATOR	1511.0	1	1
TOTAL	4107.0	EQUIVALENT LENGTH = 150 FT PRESSURE = 2-PSI MAIN SIZE = 1-1/2"	

NOTE: GAS SIZES TO EQUIPMENT ARE AS NOTED IN SCHEDULE ABOVE. ROUTE NOTED (2-PSI) GAS LINE TO GAS EQUIPMENT. PROVIDE GAS COCK AND PRESSURE REGULATOR (2-PSI - 7" WC) SIZED FOR GAS LOAD AT EACH PIECE OF EQUIPMENT. VENT TO ATMOSPHERE PER MANUFACTURERS RECOMMENDATIONS. ROUTE NOTED (7" WC) GAS LINE TO GAS FIRED EQUIPMENT WITH GAS COCK AND FLEX CONNECTOR AT UNIT. SEE GAS CONNECTION DETAILS ON SHEET P \_\_\_\_.

GAS SIZING CHART (METER #2)			
SYMBOL	INPUT (MBH)	RUNOUT SIZE (2-PSI) (INCHES)	EQUIPMENT CONNECTION SIZES (7" WC) (INCHES)
B-1 (SNOW MELT SYSTEM)	399.0	1/2	3/4
B-2 (SNOW MELT SYSTEM)	399.0	1/2	3/4
B-3 (SNOW MELT SYSTEM)	399.0	1/2	3/4
B-4 (SNOW MELT SYSTEM)	399.0	1/2	3/4
TOTAL	1596.0	EQUIVALENT LENGTH = 50 FT PRESSURE = 2-PSI MAIN SIZE = 1"	

NOTE: GAS SIZES TO EQUIPMENT ARE AS NOTED IN SCHEDULE ABOVE. ROUTE NOTED (2-PSI) GAS LINE TO GAS EQUIPMENT. PROVIDE GAS COCK AND PRESSURE REGULATOR (2-PSI - 7" WC) SIZED FOR GAS LOAD AT EACH PIECE OF EQUIPMENT. VENT TO ATMOSPHERE PER MANUFACTURERS RECOMMENDATIONS. ROUTE NOTED (7" WC) GAS LINE TO GAS FIRED EQUIPMENT WITH GAS COCK AND FLEX CONNECTOR AT UNIT. SEE GAS CONNECTION DETAILS ON SHEET P \_\_\_\_.



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STAMP



CONSULTANT



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PROJECT #19-366

PROJECT INFORMATION



KETCHUM FIRE  
STATION

107 SADDLE ROAD, KETCHUM ID 83353

ISSUES

PHASE CONSTRUCTION SET

DATE 6/19/2020

JOB NUMBER 18-022

MARK	DATE	DESCRIPTION
2	8/17/20	ASI #2
9	12/28/2	RFI #77R10
11	10/21/2	ASI #40
20	1/20/21	ASI #5

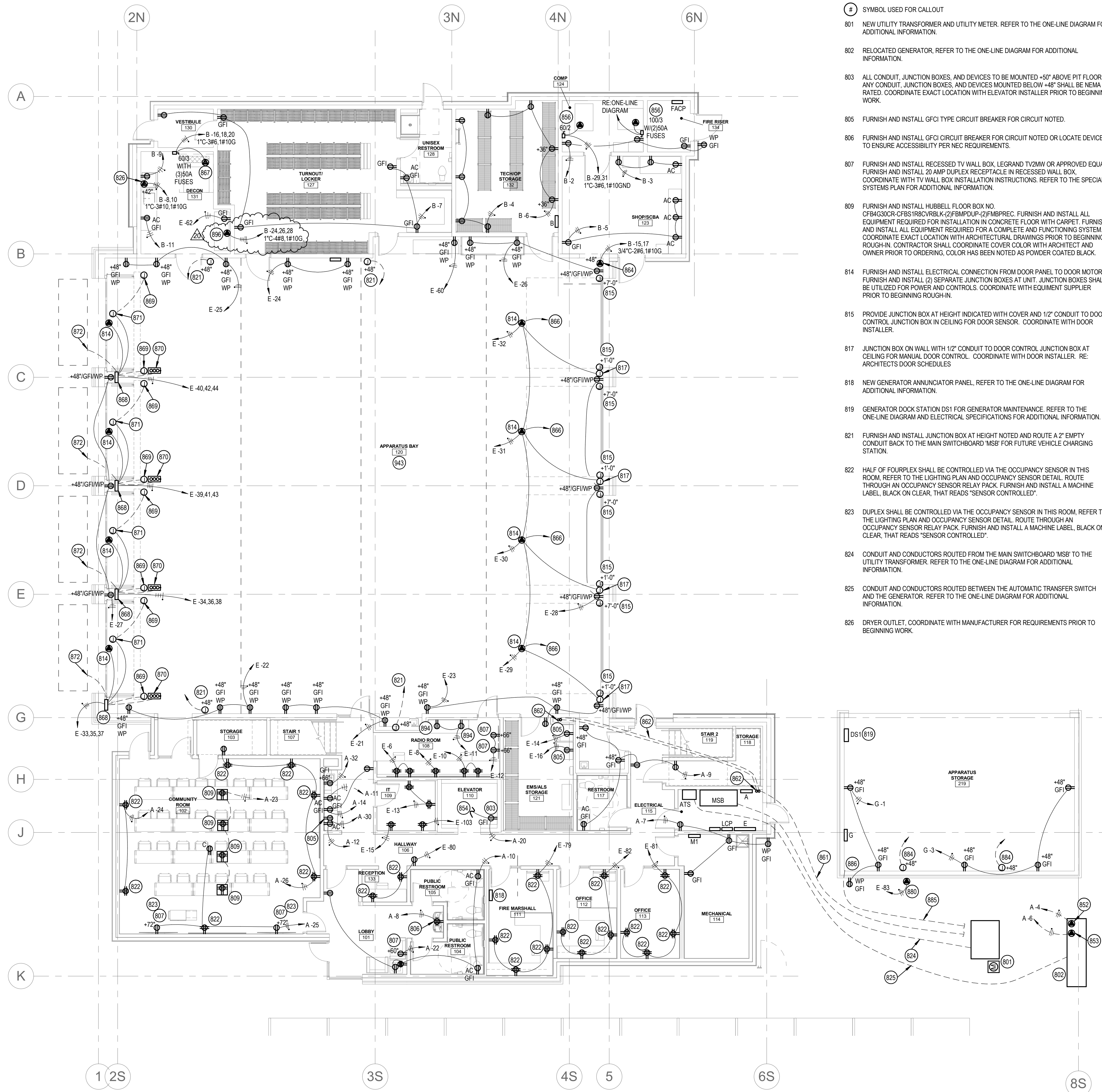
SHEET NAME

PLUMBING FIXTURE  
SCHEDULE

SHEET NUMBER

P6.00





KEYED NOTES:

- # SYMBOL USED FOR CALLOUT
- 801 NEW UTILITY TRANSFORMER AND UTILITY METER. REFER TO THE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 802 RELOCATED GENERATOR. REFER TO THE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 803 ALL CONDUIT, JUNCTION BOXES, AND DEVICES TO BE MOUNTED +50" ABOVE PIT FLOOR. ANY CONDUIT, JUNCTION BOXES, AND DEVICES MOUNTED BELOW +48" SHALL BE NEMA 4 RATED. COORDINATE EXACT LOCATION WITH ELEVATOR INSTALLER PRIOR TO BEGINNING WORK.
- 805 FURNISH AND INSTALL GFCI TYPE CIRCUIT BREAKER FOR CIRCUIT NOTED.
- 806 FURNISH AND INSTALL GFCI CIRCUIT BREAKER FOR CIRCUIT NOTED OR LOCATE DEVICE TO ENSURE ACCESSIBILITY PER NEC REQUIREMENTS.
- 807 FURNISH AND INSTALL RECESSED TV WALL BOX, LEGRAND TV2MW OR APPROVED EQUAL. FURNISH AND INSTALL 20 AMP DUPLEX RECEPTACLE IN RECESSED WALL BOX. COORDINATE WITH TV WALL BOX INSTALLATION INSTRUCTIONS. REFER TO THE SPECIAL SYSTEMS PLAN FOR ADDITIONAL INFORMATION.
- 809 FURNISH AND INSTALL HUBBELL FLOOR BOX NO. CF84G300R-CFBS1R8CVBLK-(2)FMBPDU-2(FMBPPREC. FURNISH AND INSTALL ALL EQUIPMENT REQUIRED FOR INSTALLATION IN CONCRETE FLOOR WITH CARPET. FURNISH AND INSTALL ALL EQUIPMENT REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS PRIOR TO BEGINNING WORK. CONTRACTOR SHALL COORDINATE COVER COLOR WITH ARCHITECT AND OWNER PRIOR TO ORDERING. COLOR HAS BEEN NOTED AS POWDER COATED BLACK.
- 814 FURNISH AND INSTALL ELECTRICAL CONNECTION FROM DOOR PANEL TO DOOR MOTOR. FURNISH AND INSTALL (2) SEPARATE JUNCTION BOXES AT UNIT. JUNCTION BOXES SHALL BE UTILIZED FOR POWER AND CONTROLS. COORDINATE WITH EQUIPMENT SUPPLIER PRIOR TO BEGINNING WORK.
- 815 PROVIDE JUNCTION BOX AT HEIGHT INDICATED WITH COVER AND 1/2" CONDUIT TO DOOR CONTROL JUNCTION BOX IN CEILING FOR DOOR SENSOR. COORDINATE WITH DOOR INSTALLER.
- 817 JUNCTION BOX ON WALL WITH 1/2" CONDUIT TO DOOR CONTROL JUNCTION BOX AT CEILING FOR MANUAL DOOR CONTROL. COORDINATE WITH DOOR INSTALLER. RE: ARCHITECTS DOOR SCHEDULES
- 818 NEW GENERATOR ANNUNCIATOR PANEL, REFER TO THE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 819 GENERATOR DOCK STATION DS1 FOR GENERATOR MAINTENANCE. REFER TO THE ONE-LINE DIAGRAM AND ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 821 FURNISH AND INSTALL JUNCTION BOX AT HEIGHT NOTED AND ROUTE A 2" EMPTY CONDUIT BACK TO THE MAIN SWITCHBOARD 'MSB' FOR FUTURE VEHICLE CHARGING STATION.
- 822 HALF OF FOURPLEX SHALL BE CONTROLLED VIA THE OCCUPANCY SENSOR IN THIS ROOM. REFER TO THE LIGHTING PLAN AND OCCUPANCY SENSOR DETAIL. ROUTE THROUGH AN OCCUPANCY SENSOR RELAY PACK. FURNISH AND INSTALL A MACHINE LABEL, BLACK ON CLEAR, THAT READS 'SENSOR CONTROLLED'.
- 823 DUPLEX SHALL BE CONTROLLED VIA THE OCCUPANCY SENSOR IN THIS ROOM. REFER TO THE LIGHTING PLAN AND OCCUPANCY SENSOR DETAIL. ROUTE THROUGH AN OCCUPANCY SENSOR RELAY PACK. FURNISH AND INSTALL A MACHINE LABEL, BLACK ON CLEAR, THAT READS 'SENSOR CONTROLLED'.
- 824 CONDUIT AND CONDUCTORS ROUTED FROM THE MAIN SWITCHBOARD 'MSB' TO THE UTILITY TRANSFORMER. REFER TO THE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 825 CONDUIT AND CONDUCTORS ROUTED BETWEEN THE AUTOMATIC TRANSFER SWITCH AND THE GENERATOR. REFER TO THE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 826 DRYER OUTLET. COORDINATE WITH MANUFACTURER FOR REQUIREMENTS PRIOR TO BEGINNING WORK.

- 852 ELECTRICAL CONNECTION FOR GENERATOR BATTERY CHARGER. COORDINATE WITH THE EXISTING EQUIPMENT PRIOR TO BEGINNING WORK.
- 853 ELECTRICAL CONNECTION FOR THE GENERATOR HEATER. COORDINATE WITH THE EXISTING EQUIPMENT PRIOR TO BEGINNING WORK.
- 854 EXTEND AND CONNECT TO ELEVATOR HOISTWAY LIGHTS AND RECEPTACLES. REFER TO POWER PLANS AND LIGHTING PLANS FOR CONTINUATION.
- 856 FURNISH AND INSTALL ELECTRICAL CONNECTION FOR COMPRESSOR. COORDINATE DISCONNECT LOCATION WITH EQUIPMENT INSTALLER TO MAINTAIN REQUIRED CLEARANCES.
- 861 (2) 4" EMPTY CONDUITS WITH PULLSTRING FROM ELECTRICAL ROOM TO THIS APPROXIMATE LOCATION FOR FUTURE SOLAR SYSTEM. CAP AND MARK LOCATIONS.
- 862 ROUTE (2) 4" EMPTY CONDUITS FROM THE ELECTRICAL ROOM, OVER TO MECHANICAL CHASE AND UP THROUGH ROOF FOR FUTURE SOLAR PANELS. INSTALL CAP ON CONDUITS AND MAKE WATER-TIGHT. COORDINATE ROUTING WITH OTHER TRADES PRIOR TO BEGINNING WORK.
- 864 FURNISH AND INSTALL NEMA 6-50R RECEPTACLE FOR PORTABLE WELDER AT HEIGHT NOTED. COORDINATE PLUG CONFIGURATION WITH OWNER PRIOR TO BEGINNING WORK.
- 867 FURNISH AND INSTALL ELECTRICAL CONNECTION FOR EXTRACTOR. COORDINATE WITH OWNER AND EQUIPMENT SUPPLIER FOR EXACT ELECTRICAL REQUIREMENTS PRIOR TO BEGINNING WORK. FURNISH AND INSTALL ALL ELECTRICAL REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM.
- 868 FURNISH AND INSTALL ELECTRICAL CONNECTION TO MAIN FOLD FOUR DOOR PANEL. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO BEGINNING WORK.
- 869 FURNISH AND INSTALL 1/2" CONDUIT FROM DOOR PANEL TO PHOTOSENSOR. PHOTO SENSOR MOUNTED ON METAL PEDESTAL. REFER TO THE ARCHITECTURAL DRAWINGS FOR METAL PEDESTAL LOCATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO BEGINNING WORK.
- 870 FURNISH AND INSTALL 1/2" CONDUIT FROM DOOR PANEL TO OPEN/CLOSE/STOP PUSHBUTTON. PUSHBUTTON MOUNTED ON METAL PEDESTAL. REFER TO THE ARCHITECTURAL DRAWINGS FOR METAL PEDESTAL LOCATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO BEGINNING WORK.
- 871 FURNISH AND INSTALL 1/2" CONDUIT FROM DOOR PANEL TO DOOR SENSOR. DOOR SENSOR MOUNTED ABOVE DOORS. REFER TO THE ARCHITECTURAL DRAWINGS FOR METAL PEDESTAL LOCATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO BEGINNING WORK.
- 872 FURNISH AND INSTALL 3/4" CONDUIT FROM DOOR PANEL TO EXTERIOR FLOOR LOOP MODULE AND EXTERIOR FLOOR LOOP. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO BEGINNING WORK. FURNISH AND INSTALL ALL EQUIPMENT AND WIRING FOR A COMPLETE AND FUNCTIONING SYSTEM.
- 880 FURNISH AND INSTALL ELECTRICAL CONNECTION TO GAS SOLENOID VALVE FOR SHUT DOWN OF GAS TO BBQ UPON SIGNAL FROM THE ALARM INTERFACE PANEL. COORDINATE LOCATION WITH PLUMBING CONTRACTOR. ROUTE CIRCUIT THROUGH THE ALARM INTERFACE PANEL. REFER TO THE ALARM INTERFACE PANEL DETAIL FOR ADDITIONAL INFORMATION.
- 884 FURNISH AND INSTALL JUNCTION BOX AT HEIGHT NOTED AND ROUTE A 1-1/2" EMPTY CONDUIT BACK TO PANELBOARD 'G' FOR FUTURE VEHICLE CHARGING STATION.
- 885 (1) 4" EMPTY CONDUITS WITH PULLSTRING FROM THE APPARATUS STORAGE BUILDING TO THIS APPROXIMATE LOCATION FOR FUTURE SOLAR SYSTEM. CAP AND MARK LOCATIONS.
- 886 ROUTE (1) 4" EMPTY CONDUIT FROM THE APPARATUS STORAGE BUILDING UP THROUGH ROOF FOR FUTURE SOLAR PANELS. INSTALL CAP ON CONDUITS AND MAKE WATER-TIGHT. COORDINATE ROUTING WITH OTHER TRADES PRIOR TO BEGINNING WORK.

- 894 MOUNT RECEPTACLE ABOVE COUNTER AND HORIZONTALLY TO FIT BETWEEN WINDOW AND MILLWORK. COORDINATE WITH ARCHITECTURAL DRAWINGS AND ELEVATIONS PRIOR TO BEGINNING WORK.
- 896 FURNISH AND INSTALL OUTLET FOR FUTURE GEAR DRYER. COORDINATE EXACT LOCATION AND EQUIPMENT CONNECTION WITH OWNER PRIOR TO BEGINNING WORK. FURNISH AND INSTALL ALL ELECTRICAL REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM.
- 945 ALL LOW VOLTAGE CONDUCTORS AND CABLES ROUTED IN OR THROUGH THE APPARATUS BAY SHALL BE ROUTED IN CONDUIT. NO EXCEPTIONS. ROUTE CONDUIT UP AS HIGH AS POSSIBLE AND TIGHT TO STRUCTURE. COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING WORK.



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SHEET NAME



CONSULTANT



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(208) 384-0585  
PROJECT #19-366

PROJECT INFORMATION



KETCHUM FIRE  
STATION

107 SADDLE ROAD, KETCHUM ID 83353

ISSUES

PHASE	CONSTRUCTION SET
DATE	6/19/2020
JOB NUMBER	18-022

MARK	DATE	DESCRIPTION
11	10/21/2	ASI #4
0		
20	1/20/21	ASI #5

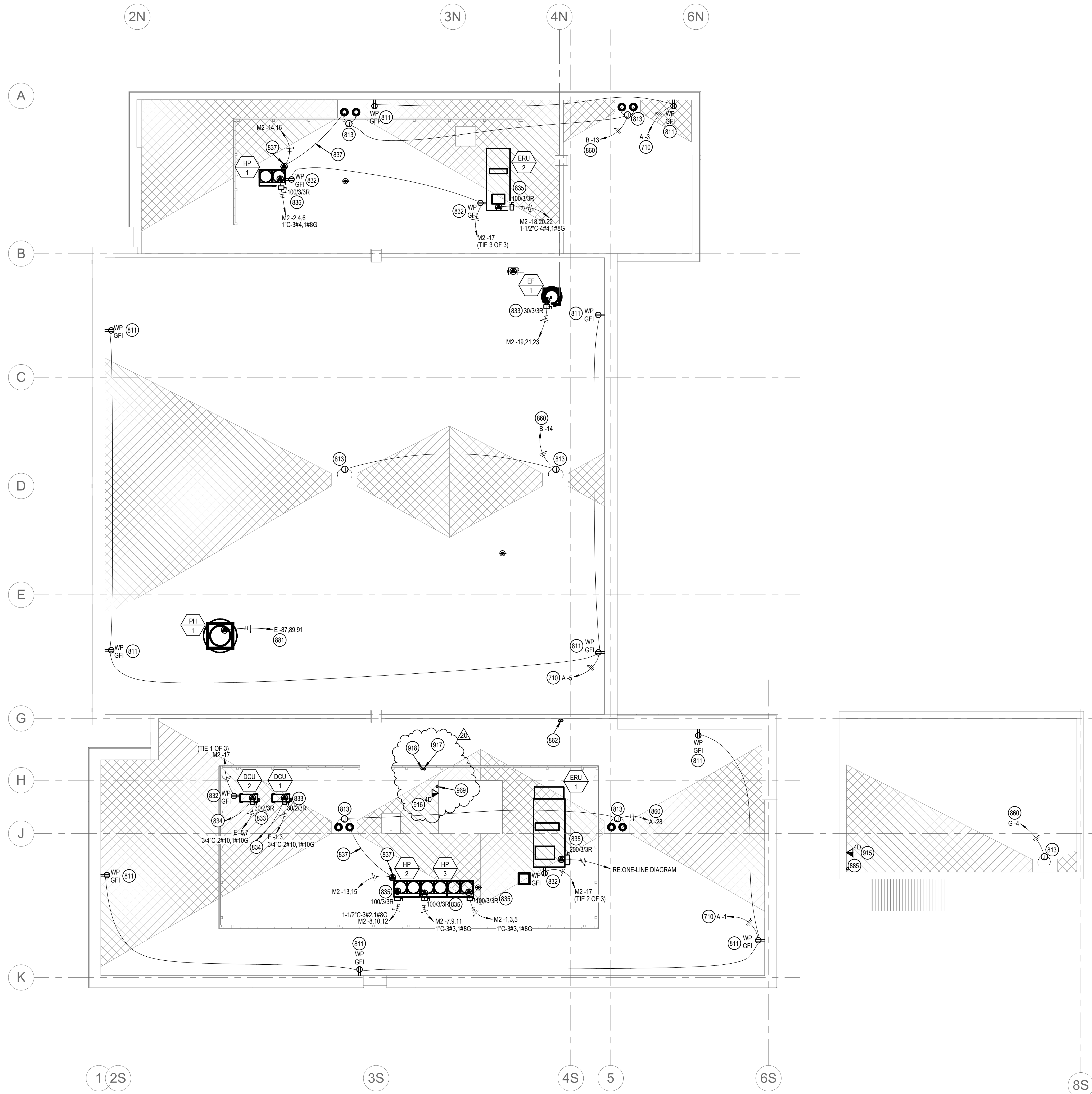
SHEET NAME

POWER PLAN -  
LEVEL 01

SHEET NUMBER

E5.01





1 ELECTRICAL PLAN - ROOF  
SCALE | 1/8" = 1'-0"

## KEYED NOTES:

- 710 SYMBOL USED FOR CALLOUT
- 710 ROUTE CIRCUIT THROUGH THE LIGHTING CONTROL PANEL. REFER TO THE LIGHTING CONTROL PANEL SCHEDULE FOR ADDITIONAL INFORMATION.
- 811 RECEPTACLE FOR FUTURE CHRISTMAS LIGHTS. MOUNT RECEPTACLE ON ROOF PARAPET. COORDINATE MOUNTING WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES PRIOR TO BEGINNING ROUGH-IN. ROUTE CIRCUIT THROUGH THE LIGHTING CONTROL PANEL.
- 813 HEAT TAPE LOCATED ON ROOF. VERIFY EXACT LOCATION WITH OWNER. WRAP HEAT TAPE AROUND ROOF DRAIN AND OVERFLOW DRAIN DOWNSPOUT. EXTEND HEAT TAPE 4' DOWN THE DRAINPIPE. MAKE ALL CONNECTIONS. RE: HEAT TAPE DETAIL.
- 832 MOUNT RECEPTACLE ON RIGID CONDUIT 12" ABOVE ROOF DECK OR ON MECHANICAL UNIT WHERE APPLICABLE.
- 833 FIELD COORDINATE DISCONNECT AND HVAC EQUIPMENT LOCATION WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES.
- 834 FURNISH AND INSTALL 3/4" CONDUIT AND CONDUCTORS AS REQUIRED FROM OUTDOOR UNIT TO INDOOR UNIT'S DISCONNECT SWITCH FOR POWER. ROUTED CONTROL WIRING FROM OUTDOOR UNIT TO INDOOR UNIT. COORDINATE ROUTING WITH OTHER TRADES. CAULK AND SEAL ALL PENETRATIONS AND MAKE WATERTIGHT. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO BEGINNING WORK. CONNECT CONDENSATE PUMP AS REQUIRED. COORDINATE WITH MECHANICAL CONTRACTOR.
- 835 COORDINATE DISCONNECT SWITCH AND DISCONNECT MOUNTING AND LOCATION WITH HVAC CONTRACTOR PRIOR TO BEGINNING ROUGH-IN.
- 837 FURNISH AND INSTALL HEAT AROUND HEAT PUMP BASES AND FROM HEAT PUMP BASE TO ROOF DRAIN. HEAT TAPE SHALL WRAP AROUND THE BASE OF THE UNIT(S). COORDINATE WITH MECHANICAL CONTRACTOR. UTILIZE RAYCHEM ICESSTOP 12WFT, 208 VOLTS OR APPROVED EQUAL. INSTALL PENTAIR DIGITRACE AMC-1A OR EQUAL THERMOSTAT CONTROL FOR EACH CIRCUIT. PROVIDE GROUND-FAULT EQUIPMENT PROTECTION FOR CIRCUIT NOTED. COORDINATE ALL WORK AND INSTALLATION WITH MECHANICAL CONTRACTOR PRIOR TO BEGINNING WORK. FURNISH AND INSTALL ALL ELECTRICAL EQUIPMENT AND WIRING REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM.
- 860 PROVIDE GFEP TYPE CIRCUIT BREAKER FOR CIRCUIT NOTED.
- 862 ROUTE (2) 4" EMPTY CONDUITS FROM THE ELECTRICAL ROOM, OVER TO MECHANICAL CHASE AND UP THROUGH ROOF FOR FUTURE SOLAR PANELS. INSTALL CAP ON CONDUITS AND MAKE WATER-TIGHT. COORDINATE ROUTING WITH OTHER TRADES PRIOR TO BEGINNING WORK.
- 881 ROUTE CIRCUIT THROUGH THE GAS DETECTION PANEL AS REQUIRED. COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ADDITIONAL INFORMATION. FURNISH AND INSTALL ALL ELECTRICAL CONNECTIONS AND ELECTRICAL EQUIPMENT REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM.
- 885 (1) 4" EMPTY CONDUITS WITH PULLSTRING FROM THE APPARATUS STORAGE BUILDING TO THIS APPROXIMATE LOCATION FOR FUTURE SOLAR SYSTEM. CAP AND MARK LOCATIONS.
- 915 MOUNT DEVICE ON ROOF IN THIS APPROXIMATE LOCATION FOR FUTURE PV SYSTEM CONTROL PANEL. COORDINATE MOUNTING AND LOCATION WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES PRIOR TO BEGINNING WORK. FURNISH AND INSTALL WEATHERPROOF COVER.
- 916 MOUNT DEVICE ON ROOF ON ELEVATOR HOISTWAY STRUCTURE ROUTED THROUGH ROOF AT THIS APPROXIMATE LOCATION FOR FUTURE PV SYSTEM CONTROL PANEL. COORDINATE MOUNTING AND LOCATION WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES PRIOR TO BEGINNING WORK. FURNISH AND INSTALL WEATHERPROOF COVER.
- 917 ROUTE (1) 2" CONDUIT FROM ROOF DOWN TO THE IT ROOM ON LEVEL 1 AND THEN STUB ABOVE THE ACCESSIBLE CEILING IN THE RADIO ROOM FOR RADIO ANTENNA CABLING. REFER TO THE ROOF PENETRATION DETAIL FOR ADDITIONAL INFORMATION. COORDINATE ROUTING WITH OTHER TRADES.
- 918 ROUTE (1) 1" CONDUIT FROM ROOF DOWN TO THE IT ROOM ON LEVEL 1 AND THEN STUB ABOVE THE ACCESSIBLE CEILING IN THE RADIO ROOM FOR RADIO ANTENNA GROUNDING CONDUCTORS. REFER TO THE ROOF PENETRATION DETAIL FOR ADDITIONAL INFORMATION. COORDINATE ROUTING WITH OTHER TRADES.
- 969 ROUTE (1) 1" CONDUIT THROUGH ROOF AND STUB INTO STRUCTURE BELOW FOR FUTURE PV CONTROL PANEL CABLING. REFER TO THE ROOF PENETRATION DETAIL FOR ADDITIONAL INFORMATION. COORDINATE ROUTING WITH OTHER TRADES.



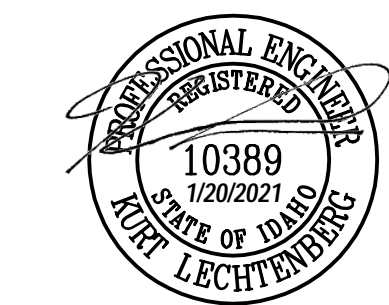
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(208) 384-0585  
PROJECT #19-366

PROJECT INFORMATION



KETCHUM FIRE  
STATION

107 SADDLE ROAD, KETCHUM ID 83353

ISSUES

PHASE CONSTRUCTION SET

DATE 6/19/2020

JOB NUMBER 18-022

MARK	DATE	DESCRIPTION
20	1/20/21	ASI #5

SHEET NAME

ELECTRICAL PLAN -  
ROOF

SHEET NUMBER

E8.00



Branch Panel: A

Location: Space 62  
Supply From: MSB  
Mounting: Surface  
Enclosure: Type 1

Volts: 120/208 Wye  
Phases: 3  
Wires: 4

A.I.C. Rating: 65K  
Mains Type: MLO  
Mains Rating: 200 A  
MCB Rating: 200 A

Notes: PANELBOARD SHALL BE SINGLE SECTION

PROVIDE PANEL WITH INDIVIDUAL BRANCH CIRCUIT MONITORING FOR ALL CIRCUITS AND INTEGRATED POWER AND ENERGY METER WITH MODBUS INTERFACE. CONNECT THE MONITORING TO THE DDC CONTROL SYSTEM. PROVIDE SINGLE SECTION PANELBOARD.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	REC-ROOFTOP	20 A	1	720 VA	100 VA					1	20 A	EF-3	2
3	REC-ROOFTOP	20 A	1			360 VA	600 VA			1	20 A	GENERATOR BATTERY CHARGER	4
5	REC-ROOFTOP	20 A	1					720 VA	500 VA	1	20 A	GENERATOR HEATER	6
7	REC-ELECT. MECH	20 A	1	720 VA	960 VA					1	20 A	REC-EWC	8
9	REC-STOR. RESTROOMS	20 A	1			900 VA	900 VA			1	20 A	REC-PUBLIC RR, LOBBY	10
11	REC-KEURIG COFFEE MAKER	20 A	1					1400 VA	1200 VA	1	20 A	REC-PRINTER	12
13	AMPLIFIER	20 A	1	500 VA	360 VA					1	20 A	REC-HALLWAY COUNTER	14
15	REC-DAY USE FLOOR BOX	20 A	1			360 VA	540 VA			1	20 A	REC-FLRBOX DAY USE	16
17	REC-DAY USE FLOOR BOX	20 A	1					360 VA	360 VA	1	20 A	REC-FLRBOX DAY USE	18
19	ELEVATOR BUSSMAN MODULE	20 A	1	500 VA	483 VA					1	20 A	REC LTS ELEVATOR HOISTWAY	20
21	ELEVATOR EQUIPMENT ELEV REC &...	20 A	1			600 VA	180 VA			1	20 A	REC-MONITOR	22
23	REC-FLRBOX COMMUNITY	20 A	1					1440 VA	720 VA	1	20 A	REC-COMMUNITY ROOM	24
25	REC-COMMUNITY ROOM	20 A	1	900 VA	1620 VA					1	20 A	REC-COMMUNITY ROOM	26
27	LTG-ELEC/OFFICE/RR/LOBBY	20 A	1			586 VA	1500 VA			1	20 A	ROOF HEAT TAPE	28
29	LTG-COMMUNITY RM/STOR	20 A	1					588 VA	720 VA	1	20 A	REC-UNDERCOUNTER REFRIG	30
31	LCP	20 A	1	360 VA	1440 VA					1	20 A	REC-MICROWAVE	32
33	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	34
35	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	36
37	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	38
39	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	40
41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	42
43	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	44
45	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	46
47	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	48
49	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	50
51	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	52
53	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	54
55	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	56
57	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	58
59	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	60
Total Load:				8662 VA		6500 VA		7981 VA					
Total Amps:				74 A		54 A		68 A					

Legend:

Branch Panel: C

Location: Space 85  
Supply From: MSB  
Mounting: Recessed  
Enclosure: Type 1

Volts: 120/208 Wye  
Phases: 3  
Wires: 4

A.I.C. Rating: 65K  
Mains Type: MLO  
Mains Rating: 400 A  
MCB Rating: 400 A

Notes:

PROVIDE PANEL WITH INDIVIDUAL BRANCH CIRCUIT MONITORING FOR ALL CIRCUITS AND INTEGRATED POWER AND ENERGY METER WITH MODBUS INTERFACE. CONNECT THE MONITORING TO THE DDC CONTROL SYSTEM. PROVIDE SINGLE SECTION PANELBOARD.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	DRYER	30 A	2	1260 VA	1260 VA					2	30 A	DRYER	2
3	--	--	--			1260 VA	1260 VA			--	--	--	4
5	REC-WASHER	20 A	1					900 VA	1080 VA	1	20 A	REC-HALLWAY, LAUNDRY	6
7	REC- SHOWERS	20 A	1	540 VA	1080 VA					1	20 A	REC-DORM 208, 209	8
9	REC-WORK STATION	20 A	1			540 VA	1080 VA			1	20 A	REC-DORM 204, 205	10
11	REC-WORK STATION	20 A	1					900 VA	1080 VA	1	20 A	REC-DORM 206, 207	12
13	REC-KITCHEN COUNTER	20 A	1	360 VA	1440 VA					1	20 A	REC-MICROWAVE	14
15	REC-KITCHEN COUNTER	20 A	1			540 VA	1440 VA			1	20 A	REC-MICROWAVE	16
17	DISHWASHER	20 A	1					1200 VA	1175 VA	1	20 A	DISPOSAL	18
19	REC-KITCHEN COUNTER	20 A	1	540 VA	720 VA					1	20 A	REC-REFRIGERATOR	20
21	REC-DAYROOM, TV	20 A	1			540 VA	720 VA			1	20 A	REC-REFRIGERATOR	22
23	TRUCK POWER BLOCK HEATERS	30 A	1					2400 VA	720 VA	1	20 A	REC-REFRIGERATOR	24
25	TRUCK POWER BLOCK HEATERS	30 A	1	2400 VA	720 VA					1	20 A	REC-DAYROOM	26
27	TRUCK POWER BLOCK HEATERS	30 A	1			2400 VA	540 VA			1	20 A	REC-STORAGE	28
29	TRUCK POWER BLOCK HEATERS	30 A	1			2400 VA		2400 VA	170 VA	1	20 A	LTG-STORAGE/LAUNDRY	30
31	TRUCK POWER BLOCK HEATERS	30 A	1	2400 VA	4160 VA					2	50 A	RANGE	32
33	TRUCK POWER BLOCK HEATERS	30 A	1			2400 VA	4160 VA			--	--	--	34
35	TRUCK POWER BLOCK HEATERS	30 A	1			2400 VA		2400 VA	0 VA	1	20 A	Spare	36
37	TRUCK POWER BLOCK HEATERS	30 A	1	2400 VA	0 VA					1	20 A	Spare	38
39	WALL OVEN	50 A	2			3900 VA	1400 VA			1	20 A	REC-KEURIG COFFEE MAKER	40
41	--	--	--					3900 VA	0 VA	1	20 A	Spare	42
43	ATTIC RADON FAN	20 A	1	500 VA	0 VA					1	20 A	Spare	44
45	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	46
47	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	48
49	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	50
51	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	52
53	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	54
55	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	56
57	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	58
59	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	60
Total Load:				19780 VA		22180 VA		18316 VA					
Total Amps:				167 A		187 A		153 A					

Legend:

Branch Panel: B

Location: Space 27  
Supply From: MSB  
Mounting: Surface  
Enclosure: Type 1

Volts: 120/208 Wye  
Phases: 3  
Wires: 4

A.I.C. Rating: 22K  
Mains Type: MLO  
Mains Rating: 200 A  
MCB Rating: 200 A

Notes:

PROVIDE PANEL WITH INDIVIDUAL BRANCH CIRCUIT MONITORING FOR ALL CIRCUITS AND INTEGRATED POWER AND ENERGY METER WITH MODBUS INTERFACE. CONNECT THE MONITORING TO THE DDC CONTROL SYSTEM. PROVIDE SINGLE SECTION PANELBOARD.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	EF-4 & UPPER MOTORIZED LOUVERS	20 A	1	1376 VA	720 VA					1	20 A	REC-COMP. FIRE RISER	2
3	REC-SHOP/SCBA	20 A	1			540 VA	720 VA			1	20 A	REC-TECH/OP STORAGE	4
5	REC-SHOP/SCBA	20 A	1					720 VA	720 VA	1	20 A	REC-TECH/OP STORAGE	6
7	REC-TURNOUT/LOCKER, VEST, RR	20 A	1	1080 VA	1260 VA					2	30 A	DRYER	8
9	REC-WASHER	20 A	1			900 VA	1260 VA			--	--	--	10
11	REC-DECON	20 A	1					180 VA	500 VA	1	20 A	IRRIGATION CONTROLLER	12
13	ROOF HEAT TAPE	20 A	1	1500 VA	1500 VA					1	20 A	ROOF HEAT TAPE	14
15	PORTABLE WELDER	50 A	2			4160 VA	5167 VA			3	60 A	EXTRACTOR	16
17	--	--	--					4160 VA	5167 VA	--	--	--	18
19	WH-3	30 A	2	2250 VA	5167 VA					--	--	--	20
21	--	--	--			2250 VA	100 VA			1	20 A	LOWER MOTORIZED LOUVER	22
23	RP-1	20 A	1					120 VA	3365 VA	3	35 A	GEAR DRYER	24
25	Spare	20 A	1	0 VA	3363 VA					--	--	--	26
27	Spare	20 A	1			0 VA	3363 VA			--	--	--	28
29	AIR COMPRESSOR	50 A	2					4160 VA	0 VA	1	20 A	Spare	30
31	--	--	--	4160 VA	0 VA					2	20 A	Spare	32
33	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	34
35	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	36
37	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	38
39	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	40
41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	42
43	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	44
45	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	46
47	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	48
49	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	50
51	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	52
53	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	54
55	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	56
57	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	58
59	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	60
Total Load:				22375 VA		18459 VA		19089 VA					
Total Amps:				187 A		154 A		160 A					

Legend:

Branch Panel: G

Location: APPARATUS STORAGE 219  
Supply From: MSB  
Mounting: Surface  
Enclosure: Type 1

Volts: 120/208 Wye  
Phases: 3  
Wires: 4

A.I.C. Rating: 42K  
Mains Type: MLO  
Mains Rating: 200 A  
MCB Rating: 200 A

Notes:

PROVIDE PANEL WITH INDIVIDUAL BRANCH CIRCUIT MONITORING FOR ALL CIRCUITS AND INTEGRATED POWER AND ENERGY METER WITH MODBUS INTERFACE. CONNECT THE MONITORING TO THE DDC CONTROL SYSTEM.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	REC-APPARATUS STORAGE	20 A	1	540 VA	128 VA					1	20 A	LTG-APPARATUS STORAGE	2
3	REC-APPARATUS STORAGE	20 A	1			180 VA	500 VA			1	20 A	ROOF HEAT TAPE	4
5	LTG-BBQ AREA	20 A	1					42 VA	0 VA	1	20 A	Spare	6
7	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	8
9	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	10
11	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	12
13	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	14
15	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	16
17	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	18
19	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	20
21	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	22
23	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	24
Total Load:				663 VA		680 VA		42 VA					
Total Amps:				6 A		6 A		0 A					

# SUBCONTRACTOR CHANGE ORDER REQUEST

SUBCONTRACTOR: **MAGIC VALLEY ELECTRIC**

PROJECT NAME: Ketchum Fire station

CONTACT: Jimmy Gyorfy

395 Railway Street

Jerome, ID 83338

208-944-4931

PROJECT ADDRESS: 107 Saddle Road

Ketchum, ID 83353

THIS IS IN RESPONSE TO:

Bulletin #:

ASI #:

5

CONTRACTOR: Core Construction

CONTACT: Chris Schratwieser

777 North 4th Street

Boise, ID 83702

702-794-0550

VERBAL REQUEST FROM:

SUBCONTRACTOR CO#:

DESCRIPTION: **Gear Dryer-Installing conduit, wire, supports, disconnect & Breaker from panel B.**

**Antenna conduit relocation & added PV Controller conduit per keyed notes**

**917 & 918**

LOCATION: **Ketchum Fire Station**

DRAWINGS: **From ASI-5 Dated 1/20/21**

	Trade Description	Hours	Labor Amt.			Total Cost
LABOR:	Journeyman	24	70.00			1,680.00
	Apprentice	24	60.00			1,440.00
						0.00
						0.00
						0.00
	Description	QTY	Unit Price	Sub-Total	Taxes	Total Cost
MATERIAL:	35A Breaker	1	325.00	325.00	19.50	344.50
	Misc.	1	831.63	831.63	49.90	881.53
				0.00	0.00	0.00
				0.00	0.00	0.00
				0.00	0.00	0.00
	Description	QTY	Unit Price	Sub-Total	Taxes	Total Cost
EQUIPMENT:				0.00	0.00	0.00
				0.00	0.00	0.00
				0.00	0.00	0.00
				0.00	0.00	0.00
				0.00	0.00	0.00
				0.00	0.00	0.00
SUBTOTAL:						4,346.03
OH & Profit@15%						651.90
<b>GRAND TOTAL:</b>				<b>Total Amount</b>		<del><b>\$4,997.93</b></del>

NOTES: **\$4,998.00**

Authorized Signature

Date: 1/28/21



## Budget Evolution Item Summary

### City of Ketchum Fire Station #1

## ASI 06

PROJECT NAME	KETCHUM FIRE STATION #1
PROJECT NUMBER	18-022
DATE	1/20/2021
CONSTRUCTION COMPANY	CORE CONSTRUCTION

THE WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE FOLLOWING SUPPLEMENTAL INSTRUCTIONS ISSUED IN ACCORDANCE WITH THE CONTRACT.

### DESCRIPTION OF CHANGES:

### DRAWINGS:

#### ELECTRICAL:

- 1) E5.01 – POWER PLAN - LEVEL 01
  - a) Added electrical connections for (3) hand dryers.
- 2) E8.00 – ELECTRICAL ROOF PLAN
  - a. Modified Keyed Notes 917 and 918 for conduit routing and stub locations. Conduits are to be stubbed into the IT Room on Level 1.
  - b. Added 1" conduit for Satellite Dish, stub into the IT Room on Level 1.
- 3) E9.01 – ELECTRICAL SCHEDULES
  - a) Added hand dryer circuits to panelboard 'A'.

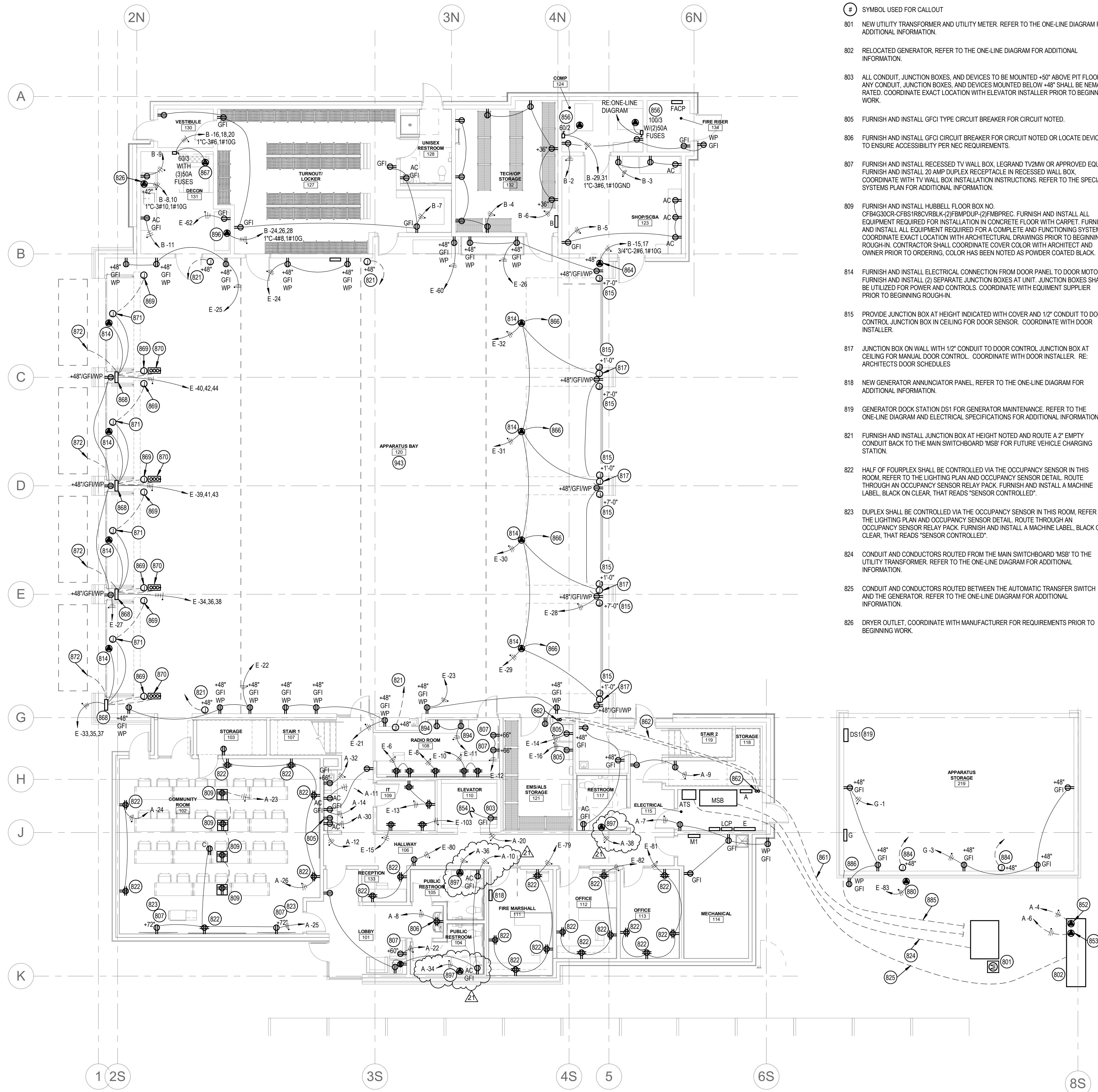
### ATTACHMENTS:

#### DRAWINGS:

- E5.01 – POWER PLAN – LEVEL 01
- E8.00 – ELECTRICAL ROOF PLAN
- E9.01 – ELECTRICAL SCHEDULES

**END OF ASI**





**1 POWER PLAN - LEVEL 01**  
SCALE: 1/8" = 1'-0"

**KEYED NOTES:**

- # SYMBOL USED FOR CALLOUT
- 801 NEW UTILITY TRANSFORMER AND UTILITY METER. REFER TO THE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 802 RELOCATED GENERATOR. REFER TO THE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 803 ALL CONDUIT, JUNCTION BOXES, AND DEVICES TO BE MOUNTED +50" ABOVE PIT FLOOR. ANY CONDUIT, JUNCTION BOXES, AND DEVICES MOUNTED BELOW +48" SHALL BE NEMA 4 RATED. COORDINATE EXACT LOCATION WITH ELEVATOR INSTALLER PRIOR TO BEGINNING WORK.
- 805 FURNISH AND INSTALL GFCI TYPE CIRCUIT BREAKER FOR CIRCUIT NOTED.
- 806 FURNISH AND INSTALL GFCI CIRCUIT BREAKER FOR CIRCUIT NOTED OR LOCATE DEVICE TO ENSURE ACCESSIBILITY PER NEC REQUIREMENTS.
- 807 FURNISH AND INSTALL RECESSED TV WALL BOX, LEGRAND TV2MW OR APPROVED EQUAL. FURNISH AND INSTALL 20 AMP DUPLEX RECEPTACLE IN RECESSED WALL BOX. COORDINATE WITH TV WALL BOX INSTALLATION INSTRUCTIONS. REFER TO THE SPECIAL SYSTEMS PLAN FOR ADDITIONAL INFORMATION.
- 809 FURNISH AND INSTALL HUBBELL FLOOR BOX NO. CF84G30CR-CFBS1R8CVRLK-2/FBMPDUP-2/FBMPREC. FURNISH AND INSTALL ALL EQUIPMENT REQUIRED FOR INSTALLATION IN CONCRETE FLOOR WITH CARPET. FURNISH AND INSTALL ALL EQUIPMENT REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS PRIOR TO BEGINNING WORK. CONTRACTOR SHALL COORDINATE COVER COLOR WITH ARCHITECT AND OWNER PRIOR TO ORDERING. COLOR HAS BEEN NOTED AS POWDER COATED BLACK.
- 814 FURNISH AND INSTALL ELECTRICAL CONNECTION FROM DOOR PANEL TO DOOR MOTOR. FURNISH AND INSTALL (2) SEPARATE JUNCTION BOXES AT UNIT. JUNCTION BOXES SHALL BE UTILIZED FOR POWER AND CONTROLS. COORDINATE WITH EQUIPMENT SUPPLIER PRIOR TO BEGINNING ROUGH-IN.
- 815 PROVIDE JUNCTION BOX AT HEIGHT INDICATED WITH COVER AND 1/2" CONDUIT TO DOOR CONTROL JUNCTION BOX IN CEILING FOR DOOR SENSOR. COORDINATE WITH DOOR INSTALLER.
- 817 JUNCTION BOX ON WALL WITH 1/2" CONDUIT TO DOOR CONTROL JUNCTION BOX AT CEILING FOR MANUAL DOOR CONTROL. COORDINATE WITH DOOR INSTALLER. RE: ARCHITECTS DOOR SCHEDULES
- 818 NEW GENERATOR ANNUNCIATOR PANEL, REFER TO THE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 819 GENERATOR DOCK STATION DS1 FOR GENERATOR MAINTENANCE. REFER TO THE ONE-LINE DIAGRAM AND ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 821 FURNISH AND INSTALL JUNCTION BOX AT HEIGHT NOTED AND ROUTE A 2" EMPTY CONDUIT BACK TO THE MAIN SWITCHBOARD 'MSB' FOR FUTURE VEHICLE CHARGING STATION.
- 822 HALF OF FOURPLEX SHALL BE CONTROLLED VIA THE OCCUPANCY SENSOR IN THIS ROOM. REFER TO THE LIGHTING PLAN AND OCCUPANCY SENSOR DETAIL. ROUTE THROUGH AN OCCUPANCY SENSOR RELAY PACK. FURNISH AND INSTALL A MACHINE LABEL, BLACK ON CLEAR, THAT READS "SENSOR CONTROLLED".
- 823 DUPLEX SHALL BE CONTROLLED VIA THE OCCUPANCY SENSOR IN THIS ROOM. REFER TO THE LIGHTING PLAN AND OCCUPANCY SENSOR DETAIL. ROUTE THROUGH AN OCCUPANCY SENSOR RELAY PACK. FURNISH AND INSTALL A MACHINE LABEL, BLACK ON CLEAR, THAT READS "SENSOR CONTROLLED".
- 824 CONDUIT AND CONDUCTORS ROUTED FROM THE MAIN SWITCHBOARD 'MSB' TO THE UTILITY TRANSFORMER. REFER TO THE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 825 CONDUIT AND CONDUCTORS ROUTED BETWEEN THE AUTOMATIC TRANSFER SWITCH AND THE GENERATOR. REFER TO THE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 826 DRYER OUTLET. COORDINATE WITH MANUFACTURER FOR REQUIREMENTS PRIOR TO BEGINNING WORK.

- 852 ELECTRICAL CONNECTION FOR GENERATOR BATTERY CHARGER. COORDINATE WITH THE EXISTING EQUIPMENT PRIOR TO BEGINNING WORK.
- 853 ELECTRICAL CONNECTION FOR THE GENERATOR HEATER. COORDINATE WITH THE EXISTING EQUIPMENT PRIOR TO BEGINNING WORK.
- 854 EXTEND AND CONNECT TO ELEVATOR HOISTWAY LIGHTS AND RECEPTACLES. REFER TO POWER PLANS AND LIGHTING PLANS FOR CONTINUATION.
- 856 FURNISH AND INSTALL ELECTRICAL CONNECTION FOR COMPRESSOR. COORDINATE DISCONNECT LOCATION WITH EQUIPMENT INSTALLER TO MAINTAIN REQUIRED CLEARANCES.
- 861 (2) 4" EMPTY CONDUITS WITH PULLSTRING FROM ELECTRICAL ROOM TO THIS APPROXIMATE LOCATION FOR FUTURE SOLAR SYSTEM. CAP AND MARK LOCATIONS.
- 862 ROUTE (2) 4" EMPTY CONDUITS FROM THE ELECTRICAL ROOM, OVER TO MECHANICAL CHASE AND UP THROUGH ROOF FOR FUTURE SOLAR PANELS. INSTALL CAP ON CONDUITS AND MAKE WATER-TIGHT. COORDINATE ROUTING WITH OTHER TRADES PRIOR TO BEGINNING WORK.
- 864 FURNISH AND INSTALL NEMA 6-50R RECEPTACLE FOR PORTABLE WELDER AT HEIGHT NOTED. COORDINATE PLUG CONFIGURATION WITH OWNER PRIOR TO BEGINNING WORK.
- 867 FURNISH AND INSTALL ELECTRICAL CONNECTION FOR EXTRACTOR. COORDINATE WITH OWNER AND EQUIPMENT SUPPLIER FOR EXACT ELECTRICAL REQUIREMENTS PRIOR TO BEGINNING WORK. FURNISH AND INSTALL ALL ELECTRICAL REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM.
- 868 FURNISH AND INSTALL ELECTRICAL CONNECTION TO MAIN FOUR FOLD DOOR PANEL. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO BEGINNING WORK.
- 869 FURNISH AND INSTALL 1/2" CONDUIT FROM DOOR PANEL TO PHOTOSENSOR. PHOTO SENSOR MOUNTED ON METAL PEDESTAL. REFER TO THE ARCHITECTURAL DRAWINGS FOR METAL PEDESTAL LOCATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO BEGINNING WORK.
- 870 FURNISH AND INSTALL 1/2" CONDUIT FROM DOOR PANEL TO OPEN/CLOSE/STOP PUSHBUTTON. PUSHBUTTON MOUNTED ON METAL PEDESTAL. REFER TO THE ARCHITECTURAL DRAWINGS FOR METAL PEDESTAL LOCATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO BEGINNING WORK.
- 871 FURNISH AND INSTALL 1/2" CONDUIT FROM DOOR PANEL TO DOOR SENSOR. DOOR SENSOR MOUNTED ABOVE DOORS. REFER TO THE ARCHITECTURAL DRAWINGS FOR METAL PEDESTAL LOCATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO BEGINNING WORK.
- 872 FURNISH AND INSTALL 3/4" CONDUIT FROM DOOR PANEL TO EXTERIOR FLOOR LOOP MODULE AND EXTERIOR FLOOR LOOP. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO BEGINNING WORK. FURNISH AND INSTALL ALL EQUIPMENT AND WIRING FOR A COMPLETE AND FUNCTIONING SYSTEM.
- 880 FURNISH AND INSTALL ELECTRICAL CONNECTION TO GAS SOLENOID VALVE FOR SHUT DOWN OF GAS TO BBQ UPON SIGNAL FROM THE ALARM INTERFACE PANEL. COORDINATE LOCATION WITH PLUMBING CONTRACTOR. ROUTE CIRCUIT THROUGH THE ALARM INTERFACE PANEL. REFER TO THE ALARM INTERFACE PANEL DETAIL FOR ADDITIONAL INFORMATION.
- 884 FURNISH AND INSTALL JUNCTION BOX AT HEIGHT NOTED AND ROUTE A 1-1/2" EMPTY CONDUIT BACK TO PANELBOARD 'G' FOR FUTURE VEHICLE CHARGING STATION.
- 885 (1) 4" EMPTY CONDUITS WITH PULLSTRING FROM THE APPARATUS STORAGE BUILDING TO THIS APPROXIMATE LOCATION FOR FUTURE SOLAR SYSTEM. CAP AND MARK LOCATIONS.
- 886 ROUTE (1) 4" EMPTY CONDUIT FROM THE APPARATUS STORAGE BUILDING UP THROUGH ROOF FOR FUTURE SOLAR PANELS. INSTALL CAP ON CONDUITS AND MAKE WATER-TIGHT. COORDINATE ROUTING WITH OTHER TRADES PRIOR TO BEGINNING WORK.
- 894 MOUNT RECEPTACLE ABOVE COUNTER AND HORIZONTALLY TO FIT BETWEEN WINDOW AND MILLWORK. COORDINATE WITH ARCHITECTURAL DRAWINGS AND ELEVATIONS PRIOR TO BEGINNING ROUGH-IN.
- 896 FURNISH AND INSTALL OUTLET FOR FUTURE GEAR DRYER. COORDINATE EXACT LOCATION AND EQUIPMENT CONNECTION WITH OWNER PRIOR TO BEGINNING WORK. FURNISH AND INSTALL ALL ELECTRICAL REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM.
- 897 ELECTRICAL CONNECTION FOR HAND DRYER. COORDINATE CONNECTION WITH EQUIPMENT SUPPLIER PRIOR TO BEGINNING ROUGH-IN.
- 948 ALL LOW VOLTAGE CONDUCTORS AND CABLES ROUTED IN OR THROUGH THE APPARATUS BAY SHALL BE ROUTED IN CONDUIT, NO EXCEPTIONS. ROUTE CONDUIT UP AS HIGH AS POSSIBLE AND TIGHT TO STRUCTURE. COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING WORK.



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SHEET NAME

10389

1/27/2021

STATE OF IDAHO

JOE LECHTOWSKI

PROFESSIONAL ENGINEER

REGISTERED

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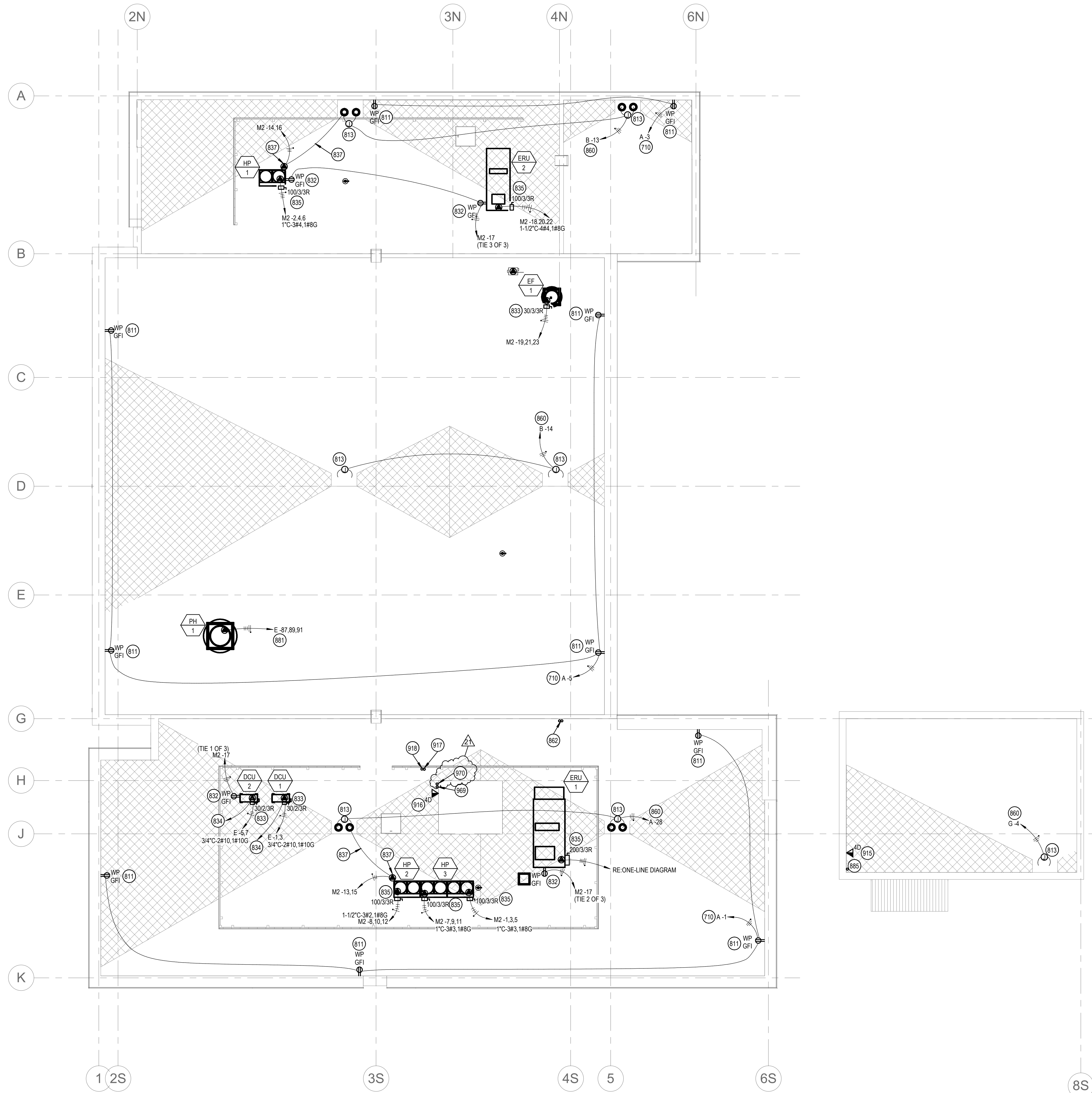
1/27/2021

STATE OF IDAHO

JOE LECHTOWSKI

PROFESSIONAL ENGINEER





KEYED NOTES:

- ① SYMBOL USED FOR CALLOUT
- 710 ROUTE CIRCUIT THROUGH THE LIGHTING CONTROL PANEL. REFER TO THE LIGHTING CONTROL PANEL SCHEDULE FOR ADDITIONAL INFORMATION.
- 811 RECEPTACLE FOR FUTURE CHRISTMAS LIGHTS. MOUNT RECEPTACLE ON ROOF PARAPET. COORDINATE MOUNTING WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES PRIOR TO BEGINNING ROUGH-IN. ROUTE CIRCUIT THROUGH THE LIGHTING CONTROL PANEL.
- 813 HEAT TAPE LOCATED ON ROOF. VERIFY EXACT LOCATION WITH OWNER. WRAP HEAT TAPE AROUND ROOF DRAIN AND OVERFLOW DRAIN DOWNSPOUT. EXTEND HEAT TAPE 4' DOWN THE DRAINPIPE. MAKE ALL CONNECTIONS. RE:HEAT TAPE DETAIL
- 832 MOUNT RECEPTACLE ON RIGID CONDUIT 12" ABOVE ROOF DECK OR ON MECHANICAL UNIT WHERE APPLICABLE.
- 833 FIELD COORDINATE DISCONNECT AND HVAC EQUIPMENT LOCATION WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES.
- 834 FURNISH AND INSTALL 3/4" CONDUIT AND CONDUCTORS AS REQUIRED FROM OUTDOOR UNIT TO INDOOR UNIT'S DISCONNECT SWITCH FOR POWER. ROUTED CONTROL WIRING FROM OUTDOOR UNIT TO INDOOR UNIT. COORDINATE ROUTING WITH OTHER TRADES. CAULK AND SEAL ALL PENETRATIONS AND MAKE WATERTIGHT. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO BEGINNING WORK. CONNECT CONDENSATE PUMP AS REQUIRED, COORDINATE WITH MECHANICAL CONTRACTOR.
- 835 COORDINATE DISCONNECT SWITCH AND DISCONNECT MOUNTING AND LOCATION WITH HVAC CONTRACTOR PRIOR TO BEGINNING ROUGH-IN.
- 837 FURNISH AND INSTALL HEAT AROUND HEAT PUMP BASES AND FROM HEAP PUMP BASE TO ROOF DRAIN. HEAT TAPE SHALL WRAP AROUND THE BASE OF THE UNIT(S). COORDINATE WITH MECHANICAL CONTRACTOR. UTILIZE RAYCHEM ICESSTOP 12WFT, 208 VOLTS OR APPROVED EQUAL. INSTALL PENTAIR DIGITRACE AMC-1A OR EQUAL THERMOSTAT CONTROL FOR EACH CIRCUIT. PROVIDE GROUND-FAULT EQUIPMENT PROTECTION FOR CIRCUIT NOTED. COORDINATE ALL WORK AND INSTALLATION WITH MECHANICAL CONTRACTOR PRIOR TO BEGINNING WORK. FURNISH AND INSTALL ALL ELECTRICAL EQUIPMENT AND WIRING REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM.
- 860 PROVIDE GFEP TYPE CIRCUIT BREAKER FOR CIRCUIT NOTED.
- 862 ROUTE (2) 4" EMPTY CONDUITS FROM THE ELECTRICAL ROOM, OVER TO MECHANICAL CHASE AND UP THROUGH ROOF FOR FUTURE SOLAR PANELS. INSTALL CAP ON CONDUITS AND MAKE WATER-TIGHT. COORDINATE ROUTING WITH OTHER TRADES PRIOR TO BEGINNING WORK.
- 881 ROUTE CIRCUIT THROUGH THE GAS DETECTION PANEL AS REQUIRED. COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ADDITIONAL INFORMATION. FURNISH AND INSTALL ALL ELECTRICAL CONNECTIONS AND ELECTRICAL EQUIPMENT REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM.
- 885 (1) 4" EMPTY CONDUITS WITH PULLSTRING FROM THE APPARATUS STORAGE BUILDING TO THIS APPROXIMATE LOCATION FOR FUTURE SOLAR SYSTEM. CAP AND MARK LOCATIONS.
- 915 MOUNT DEVICE ON ROOF IN THIS APPROXIMATE LOCATION FOR FUTURE PV SYSTEM CONTROL PANEL. COORDINATE MOUNTING AND LOCATION WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES PRIOR TO BEGINNING WORK. FURNISH AND INSTALL WEATHERPROOF COVER.
- 916 MOUNT DEVICE ON ROOF ON ELEVATOR HOISTWAY STRUCTURE ROUTED THROUGH ROOF AT THIS APPROXIMATE LOCATION FOR FUTURE PV SYSTEM CONTROL PANEL. COORDINATE MOUNTING AND LOCATION WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES PRIOR TO BEGINNING WORK. FURNISH AND INSTALL WEATHERPROOF COVER.
- 917 ROUTE (2) 1-1/2" CONDUITS FROM ROOF DOWN TO THE RADIO RACK IN THE IT ROOM ON LEVEL 1 FOR RADIO ANTENNA CABLING. REFER TO THE ROOF PENETRATION DETAIL FOR ADDITIONAL INFORMATION. COORDINATE ROUTING WITH OTHER TRADES.
- 918 ROUTE (1) 1" CONDUIT FROM ROOF DOWN TO THE GROUNDING BUS IN THE IT ROOM ON LEVEL 1 FOR RADIO ANTENNA GROUNDING CONDUCTORS. REFER TO THE ROOF PENETRATION DETAIL FOR ADDITIONAL INFORMATION. COORDINATE ROUTING WITH OTHER TRADES.
- 969 ROUTE (1) 1" CONDUIT THROUGH ROOF AND STUB INTO STRUCTURE BELOW FOR FUTURE PV CONTROL PANEL CABLING. REFER TO THE ROOF PENETRATION DETAIL FOR ADDITIONAL INFORMATION. COORDINATE ROUTING WITH OTHER TRADES.
- 970 ROUTE (1) 1" CONDUIT FROM ROOF DOWN TO THE IT ROOM ON LEVEL 1 FOR SATELLITE DISH CONDUCTORS. REFER TO THE ROOF PENETRATION DETAIL FOR ADDITIONAL INFORMATION. COORDINATE ROUTING WITH OTHER TRADES.



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STAMP



CONSULTANT



MUSGROVE  
ENGINEERING, P.A.

234 S. WHISPERWOOD WAY  
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(208) 384-0585  
PROJECT #19-366

PROJECT INFORMATION



KETCHUM FIRE  
STATION

107 SADDLE ROAD, KETCHUM ID 83353

ISSUES

PHASE	CONSTRUCTION SET
DATE	6/19/2020
JOB NUMBER	18-022

MARK	DATE	DESCRIPTION
20	1/20/21	ASI #5
21	1/26/21	ASI #6

SHEET NAME

ELECTRICAL PLAN -  
ROOF

SHEET NUMBER

E8.00



### Branch Panel: A

Location: Space 62  
Supply From: MSB  
Mounting: Surface  
Enclosure: Type 1

Volts: 120/208 Wye  
Phases: 3  
Wires: 4

A.I.C. Rating: 65K  
Mains Type: MLO  
Mains Rating: 200 A  
MCB Rating: 200 A

#### Notes: PANELBOARD SHALL BE SINGLE SECTION

PROVIDE PANEL WITH INDIVIDUAL BRANCH CIRCUIT MONITORING FOR ALL CIRCUITS AND INTEGRATED POWER AND ENERGY METER WITH MODBUS INTERFACE. CONNECT THE MONITORING TO THE DDC CONTROL SYSTEM. PROVIDE SINGLE SECTION PANELBOARD.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	REC-ROOFTOP	20 A	1	720 VA	100 VA					1	20 A	EF-3	2
3	REC-ROOFTOP	20 A	1			360 VA	600 VA			1	20 A	GENERATOR BATTERY CHARGER	4
5	REC-ROOFTOP	20 A	1					720 VA	500 VA	1	20 A	GENERATOR HEATER	6
7	REC-ELECT. MECH	20 A	1	720 VA	960 VA					1	20 A	REC-EWC	8
9	REC-STOR. RESTROOMS	20 A	1			900 VA	900 VA			1	20 A	REC-PUBLIC RR, LOBBY	10
11	REC-KEURIG COFFEE MAKER	20 A	1					1400 VA	1200 VA	1	20 A	REC-PRINTER	12
13	AMPLIFIER	20 A	1	500 VA	360 VA					1	20 A	REC-HALLWAY COUNTER	14
15	REC-DAY USE FLOOR BOX	20 A	1			360 VA	540 VA			1	20 A	REC-FLRBOX DAY USE	16
17	REC-DAY USE FLOOR BOX	20 A	1					360 VA	360 VA	1	20 A	REC-FLRBOX DAY USE	18
19	ELEVATOR BUSSMAN MODULE	20 A	1	500 VA	483 VA					1	20 A	REC LTS ELEVATOR HOISTWAY	20
21	ELEVATOR EQUIPMENT ELEV REC &...	20 A	1			600 VA	180 VA			1	20 A	REC-MONITOR	22
23	REC-FLRBOX COMMUNITY	20 A	1					1440 VA	720 VA	1	20 A	REC-COMMUNITY ROOM	24
25	REC-COMMUNITY ROOM	20 A	1	900 VA	1620 VA					1	20 A	REC-COMMUNITY ROOM	26
27	LTG-ELEC/OFFICE/RR/LOBBY	20 A	1			586 VA	1500 VA			1	20 A	ROOF HEAT TAPE	28
29	LTG-COMMUNITY RM/STOR	20 A	1					586 VA	720 VA	1	20 A	REC-UNDERCOUNTER REFRIG	30
31	LCP	20 A	1	360 VA	1440 VA					1	20 A	REC-MICROWAVE	32
33	Spare	20 A	1			0 VA	1000 VA			1	20 A	HAND DRYER	34
35	Spare	20 A	1					0 VA	1000 VA	1	20 A	HAND DRYER	36
37	Spare	20 A	1	0 VA	1000 VA					1	20 A	HAND DRYER	38
39	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	40
41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	42
43	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	44
45	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	46
47	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	48
49	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	50
51	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	52
53	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	54
55	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	56
57	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	58
59	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	60
Total Load:				9662 VA		7499 VA		8980 VA					
Total Amps:				82 A		62 A		77 A					

Legend:

### Branch Panel: B

Location: Space 27  
Supply From: MSB  
Mounting: Surface  
Enclosure: Type 1

Volts: 120/208 Wye  
Phases: 3  
Wires: 4

A.I.C. Rating: 22K  
Mains Type: MLO  
Mains Rating: 200 A  
MCB Rating: 200 A

#### Notes:

PROVIDE PANEL WITH INDIVIDUAL BRANCH CIRCUIT MONITORING FOR ALL CIRCUITS AND INTEGRATED POWER AND ENERGY METER WITH MODBUS INTERFACE. CONNECT THE MONITORING TO THE DDC CONTROL SYSTEM. PROVIDE SINGLE SECTION PANELBOARD.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	EF-4 & UPPER MOTORIZED LOUVERS	20 A	1	1376 VA	720 VA					1	20 A	REC-COMP. FIRE RISER	2
3	REC-SHOP/SCBA	20 A	1			540 VA	720 VA			1	20 A	REC-TECH/OP STORAGE	4
5	REC-SHOP/SCBA	20 A	1					720 VA	720 VA	1	20 A	REC-TECH/OP STORAGE	6
7	REC-TURNOUT/LOCKER, VEST, RR	20 A	1	1080 VA	1260 VA					2	30 A	DRYER	8
9	REC-WASHER	20 A	1			900 VA	1260 VA			1	20 A	IRRIGATION CONTROLLER	10
11	REC-DECON	20 A	1					180 VA	500 VA	1	20 A	IRRIGATION CONTROLLER	12
13	ROOF HEAT TAPE	20 A	1	1500 VA	1500 VA					1	20 A	ROOF HEAT TAPE	14
15	PORTABLE WELDER	50 A	2			4160 VA	5167 VA			3	60 A	EXTRACTOR	16
17	--	--	--					4160 VA	5167 VA	--	--	--	18
19	WH-3	30 A	2	2250 VA	5167 VA					--	--	--	20
21	--	--	--			2250 VA	100 VA			1	20 A	LOWER MOTORIZED LOUVER	22
23	RP-1	20 A	1					120 VA	3363 VA	3	35 A	GEAR DRYER	24
25	Spare	20 A	1	0 VA	3363 VA					--	--	--	26
27	Spare	20 A	1			0 VA	3363 VA			--	--	--	28
29	AIR COMPRESSOR	50 A	2					4160 VA	0 VA	1	20 A	Spare	30
31	--	--	--	4160 VA	0 VA					1	20 A	Spare	32
33	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	34
35	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	36
37	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	38
39	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	40
41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	42
43	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	44
45	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	46
47	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	48
49	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	50
51	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	52
53	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	54
55	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	56
57	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	58
59	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	60
Total Load:				22375 VA		18459 VA		19089 VA					
Total Amps:				187 A		154 A		160 A					

Legend:

### Branch Panel: C

Location: Space 85  
Supply From: MSB  
Mounting: Recessed  
Enclosure: Type 1

Volts: 120/208 Wye  
Phases: 3  
Wires: 4

A.I.C. Rating: 65K  
Mains Type: MLO  
Mains Rating: 400 A  
MCB Rating: 400 A

#### Notes:

PROVIDE PANEL WITH INDIVIDUAL BRANCH CIRCUIT MONITORING FOR ALL CIRCUITS AND INTEGRATED POWER AND ENERGY METER WITH MODBUS INTERFACE. CONNECT THE MONITORING TO THE DDC CONTROL SYSTEM. PROVIDE SINGLE SECTION PANELBOARD.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	DRYER	30 A	2	1260 VA	1260 VA					2	30 A	DRYER	2
3	--	--	--			1260 VA	1260 VA			--	--	--	4
5	REC-WASHER	20 A	1					900 VA	1080 VA	1	20 A	REC-HALLWAY, LAUNDRY	6
7	REC- SHOWERS	20 A	1	540 VA	1080 VA					1	20 A	REC-DORM 208, 209	8
9	REC-WORK STATION	20 A	1			540 VA	1080 VA			1	20 A	REC-DORM 204, 205	10
11	REC-WORK STATION	20 A	1					900 VA	1080 VA	1	20 A	REC-DORM 206, 207	12
13	REC-KITCHEN COUNTER	20 A	1	360 VA	1440 VA					1	20 A	REC-MICROWAVE	14
15	REC-KITCHEN COUNTER	20 A	1			540 VA	1440 VA			1	20 A	REC-MICROWAVE	16
17	DISHWASHER	20 A	1					1200 VA	1175 VA	1	20 A	DISPOSAL	18
19	REC-KITCHEN COUNTER	20 A	1	540 VA	720 VA					1	20 A	REC-REFRIGERATOR	20
21	REC-DAYROOM, TV	20 A	1			540 VA	720 VA			1	20 A	REC-REFRIGERATOR	22
23	TRUCK POWER BLOCK HEATERS	30 A	1					2400 VA	720 VA	1	20 A	REC-REFRIGERATOR	24
25	TRUCK POWER BLOCK HEATERS	30 A	1	2400 VA	720 VA					1	20 A	REC-DAYROOM	26
27	TRUCK POWER BLOCK HEATERS	30 A	1			2400 VA	540 VA			1	20 A	REC-STORAGE	28
29	TRUCK POWER BLOCK HEATERS	30 A	1					2400 VA	170 VA	1	20 A	LTG-STORAGE/LAUNDRY	30
31	TRUCK POWER BLOCK HEATERS	30 A	1	2400 VA	4160 VA					2	50 A	RANGE	32
33	TRUCK POWER BLOCK HEATERS	30 A	1			2400 VA	4160 VA			--	--	--	34
35	TRUCK POWER BLOCK HEATERS	30 A	1			2400 VA	0 VA			1	20 A	Spare	36
37	TRUCK POWER BLOCK HEATERS	30 A	1	2400 VA	0 VA					1	20 A	Spare	38
39	WALL OVEN	50 A	2			3900 VA	1400 VA			1	20 A	REC-KEURIG COFFEE MAKER	40
41	--	--	--					3900 VA	0 VA	1	20 A	Spare	42
43	ATTIC RADON FAN	20 A	1	500 VA	0 VA					1	20 A	Spare	44
45	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	46
47	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	48
49	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	50
51	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	52
53	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	54
55	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	56
57	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	58
59	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	60
Total Load:				19780 VA		22180 VA		18316 VA					
Total Amps:				167 A		187 A		153 A					

Legend:

### Branch Panel: G

Location: APPARATUS STORAGE 219  
Supply From: MSB  
Mounting: Surface  
Enclosure: Type 1

Volts: 120/208 Wye  
Phases: 3  
Wires: 4

A.I.C. Rating: 42K  
Mains Type: MLO  
Mains Rating: 200 A  
MCB Rating: 200 A

#### Notes:

PROVIDE PANEL WITH INDIVIDUAL BRANCH CIRCUIT MONITORING FOR ALL CIRCUITS AND INTEGRATED POWER AND ENERGY METER WITH MODBUS INTERFACE. CONNECT THE MONITORING TO THE DDC CONTROL SYSTEM.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	REC-APPARATUS STORAGE	20 A	1	540 VA	128 VA					1	20 A	LTG-APPARATUS STORAGE	2
3	REC-APPARATUS STORAGE	20 A	1			180 VA	500 VA			1	20 A	ROOF HEAT TAPE	4
5	LTG-BBO AREA	20 A	1					42 VA	0 VA	1	20 A	Spare	6
7	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	8
9	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	10
11	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	12
13	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	14
15	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	16
17	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	18
19	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	20
21	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	22
23	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	24
		Total Load:		663 VA		680 VA		42 VA					

# SUBCONTRACTOR CHANGE ORDER REQUEST

SUBCONTRACTOR: **MAGIC VALLEY ELECTRIC**

PROJECT NAME: Ketchum Fire station

CONTACT: Jimmy Gyorfy

395 Railway Street

Jerome, ID 83338

208-944-4931

PROJECT ADDRESS: 107 Saddle Road

Ketchum, ID 83353

THIS IS IN RESPONSE TO:

Bulletin #:

ASI #:

6

CONTRACTOR: Core Construction

CONTACT: Chris Schratwieser

777 North 4th Street

Boise, ID 83702

702-794-0550

VERBAL REQUEST FROM:

SUBCONTRACTOR CO#:

DESCRIPTION: **ASI-6-Added electrical connection for (3) hand dryers including breakers.  
Route keyed notes 917 & 918 conduit to IT Rm. Add 1" conduit for satellite to IT Rm.  
Ketchum Fire Station**

LOCATION: **Ketchum Fire Station**

DRAWINGS: **From ASI-6 Dated 1/20/21**

	Trade Description	Hours	Labor Amt.			Total Cost
LABOR:	Journeyman	29	70.00			2,030.00
	Apprentice	29	60.00			1,740.00
						0.00
						0.00
						0.00
	Description	QTY	Unit Price	Sub-Total	Taxes	Total Cost
MATERIAL:	20A Breaker	3	50.00	150.00	9.00	159.00
	Misc.	1	868.42	868.42	52.11	920.53
				0.00	0.00	0.00
				0.00	0.00	0.00
				0.00	0.00	0.00
	Description	QTY	Unit Price	Sub-Total	Taxes	Total Cost
EQUIPMENT:				0.00	0.00	0.00
				0.00	0.00	0.00
				0.00	0.00	0.00
				0.00	0.00	0.00
				0.00	0.00	0.00
				0.00	0.00	0.00
SUBTOTAL:						4,849.53
OH & Profit@15%						727.43
<b>GRAND TOTAL:</b>				<b>Total Amount</b>		<del><b>\$5,576.95</b></del>

NOTES:

**\$5,577.00**

Authorized Signature

Date: 1/28/21



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## Budget Evolution Item Summary

### City of Ketchum Fire Station #1

RFI-62 Decon Room Revisions not in ASI-03

Date: 2/19/2021

Description: Revised Commercial Laundry (Decon) piping

SCOPE	SUBCONTRACTOR	AMOUNT
Install plbg w/Valves to Decon Laundry	Evans Plumbing	\$ 2,697.00
Added Grate & Frame @ DECON room	Rule Steel	\$ 1,359.00
SUBTOTAL:		\$ 4,056.00
SUBTOTAL reflects direct costs only on the presumption that costs will come from allowances. If costs are reimbursed by Change Order, TOTAL AMOUNT below reflects the SUBTOTAL with add of agreed upon markup in accordance with the change order pricing.		
Bond and Insurance	CORE	\$ 85.00
CMAR FEE	CORE	\$ 180.00
Sales Tax	CORE	\$ -
TOTAL AMOUNT:		\$ 4,321.00

# Change Request Proposal

Project:  
(name and address)

203600 / CoK FS No. 1  
107 Saddle Road  
Ketchum, ID 83340

Change request number:

09

Description:

RFI 62 Commercial Laundry Piping

Customer: CORE | Headwaters, LLC

Notice to Proceed

Submitted date:  
Received date:  
Rough order of magnitude: 0.00

Status: Proposed  
Origination date: 02/12/21

Quotation

Submitted date: 02/12/21  
Due date:  
Submitted amount: 2,697.35  
Requested days delay: 0

Notes

Per RFI 62, drawing P5.01 detail 6, install hot and cold water mains down to commercial laundry with check valves, filters and air cushion risers.

Revenue Detail

Billing Item	Description	Revenue
	Labor - 8 hrs	640.00
	Materials - see supplier quote	1,789.00
	Material Markup (15%)	268.35
Total Revenue For CR 09		2,697.35

Approvals

Customer: CORE | Headwaters, LLC  
Authorized Representative: \_\_\_\_\_  
  
By: \_\_\_\_\_  
  
Date: \_\_\_\_\_

Contractor: Evans Plumbing, Inc.  
  
By: \_\_\_\_\_  
  
Date: \_\_\_\_\_





FEL #3057  
2150 ELDRIDGE AVE  
TWIN FALLS, ID 83301-0000

Phone: 208-733-3770  
Fax: 208-736-7248

Deliver To:

From: Matthew Quintana

Comments:

11:06:01 FEB 10 2021

Page 1 of 2

FERGUSON ENTERPRISES #3007

Price Quotation

Phone: 208-733-3770

Fax: 208-736-7248

Bid No: B523070  
Bid Date: 02/10/21  
Quoted By: MBQ

Cust Phone: 208-726-5261  
Terms: NET 10TH PROX

Customer: EVANS PLUMBING  
SERVICE ACCOUNT  
111 GULF STREAM LANE  
HAILEY, ID 83333

Ship To: EVANS PLUMBING  
SERVICE ACCOUNT  
111 GULF STREAM LANE  
HAILEY, ID 83333

Cust PO#: RFI62

Job Name: 203600

Item	Description	Quantity	Net Price	UM	Total
LHARDK20	2 X 20 L HARD COP TUBE	60	1274.784	C	764.87
CTKKG	2X2X1 WROT CXXC TEE	2	25.840	EA	51.68
CTK	2 WROT CXXC TEE 2-1/8 OD	2	33.176	EA	66.35
CRCKJ	2X1-1/2 WROT CXC RED COUP	2	13.983	EA	27.97
CRCKF	2X3/4 WROT CXC RED COUP	2	15.329	EA	30.66
C9J	1-1/2 WROT CXC 90 ELL 1-5/8 OD	4	10.315	EA	41.26
LHARDJ20	1-1/2 X 20 L HARD COP TUBE	20	803.737	C	160.75
CRCJF	1-1/2X3/4 WROT CXC RED COUP	1	9.218	EA	9.22
CTJ	1-1/2 WROT CXXC TEE 1-5/8 OD	3	20.863	EA	62.59
FNWX10PG	LF 1 COMM WTR HAMM ARRST	2	46.473	EA	92.95
PFX31J	LF 1-1/2 BRS 125# THRD SWG CHK VLV	2	49.298	EA	98.60
FNWX415J	LF 1-1/2 BRS 600 WOG THRD 2PC BV	2	33.555	EA	67.11
GBRNJM	LF 1-1/2X3 BRS NIP GBL	4	8.206	EA	32.82
GBRNFm	LF 3/4X3 BRS NIP GBL	2	3.226	EA	6.45
PFX75FC	LFN 3/4 BRS MIP BLR DRN	2	6.900	EA	13.80
FNW7816Y0162	1-5/8 OD PLTD CUSH TUBE STRUT CLMP	4	8.520	EA	34.08
IBRLFRcmK	LF 3X2 BRS RED COUP	2	51.578	EA	103.16
IBRLFBKJ	LF 2X1-1/2 BRS BUSH	2	11.698	EA	23.40

Net Total: \$1687.72  
Tax: \$101.28  
Freight: \$0.00  
Total: \$1789.00



HOW ARE WE DOING? WE WANT YOUR FEEDBACK!

Scan the QR code or use the link below to  
complete a survey about your bids:

<https://survey.medallia.com/?bidsorder&fc=3003&on=1095924>

# Change Order Request Summary

Project: Ketchum Fire Station 1  
 Date: November 24, 2020  
 C/O Req. No.: 07R1  
 Description: RFI #CC-62R1 Grate and frame in Decon Room

Subcontractor: Rule Steel  
 Reference: RFI #CC-62R1

## Material:

Item Description	Quantity	Unit Price	Extended
WF (in)		\$0.78	\$ -
WF (out)		\$0.78	\$ -
C (in)		\$0.90	\$ -
C (out)		\$0.90	\$ -
MC (in)		\$1.14	\$ -
MC (out)		\$1.14	\$ -
PL (in)		\$0.78	\$ -
PL (out)		\$0.78	\$ -
FB (in)		\$0.78	\$ -
FB (out)		\$0.78	\$ -
L (in)	18	\$0.78	\$ 14.04
L (out)		\$0.78	\$ -
HSS (in)		\$0.84	\$ -
HSS (out)		\$0.84	\$ -
Pipe (in)		\$1.02	\$ -
Pipe (out)		\$1.02	\$ -
Rod (in)		\$0.78	\$ -
Rod (out)		\$0.78	\$ -
Hardware (in)		lump	\$ 18.00
Hardware (out)		lump	\$ -
Paint Material (in)		lump	\$ -
Paint Material (out)		lump	\$ -
	18	<i>Total Mat.</i>	\$ -

Shop Hours (net):  
 Detailing (net) include field meas.  
 Painting Labor (net):  
 Blasting Labor (net):  
 Freight (net):

Hours	Rate/Hr	Extended
1.50	\$ 70.00	\$ 105.00
1.00	\$ 75.00	\$ 75.00
	\$ 60.00	\$ -
	\$ 115.00	\$ -
	lump	\$ 110.00
	<i>Total Shop</i>	\$ 290.00

## Subcontractor

Subcontractor	Work Description	Quote Amount
DMS (COR #004)	Erection	\$ 660.00
Suppliers	Work Description	Quote Amount
Peterson Grating	Grating	\$ 260.00
Valmont	Galvanizing	\$ 36.00
Wooster	Nosings	\$ -
	<i>Sub Total</i>	\$ 956.00
	<i>10% mkup</i>	\$ 95.60
	<i>Total Subcontractor/Supplier</i>	\$ 1,051.60

<b>Change Order Request Amount</b>	\$ 1,341.60
<b>Sales Tax 6% (on material and suppliers)</b>	\$ 17.76
<b>Additional Bond Cost</b>	\$ -
<b>Total Change Order Request - Rounded</b>	\$ 1,359.00
<b>Added time to schedule - working days</b>	

# Change Order Request

## Donahue - McNamara Steel LLC.

P.O. Box 1250,  
Sun Valley, ID 83353  
208-720-0977 fax 208-788-2575

To: Rule Steel

Attn: Ron Allen

CHANGE ORDER REQUEST #004	
DATE: November 19, 2020	JOB #
PROJECT: Ketchum Fire Station #1	
JOB PHONE	
CONTRACT #	
CONTRACT DATE	

We agree to make the change(s) specified below;

### Added Grating at Extractor Trench in Decon Room Per RFI CC-62R1

DMS will install shelf angles and Grating in 1 location per RFIs CC-62R1

Please reference RFIs CC-62R1

#### Labor

(8) Ironworker hr(s) @ \$75.00/hr.

\$ 600.00

#### Equipment

N/A


#### Material

By Rule Steel

10% OH&P

\$ 60.00

NOTE: This change order becomes part of and in conformance with the existing contract.

We agree to hereby to make the change(s) specified above at this price		\$ 660.00
DATE 11/19/2020	PREVIOUS CONTRACT AMOUNT	\$
 Doug Drussel	REVISED CONTRACT AMOUNT	\$
SIGNATURE BY DONAHUE-MCNAMARA STEEL		

ACCEPTED - The above prices and specifications of this Change Order are satisfactory and are hereby accepted. All work shall be performed under the same terms and conditions as specified in the original contract unless otherwise stipulated.

SIGNATURE BY GENERAL CONTRACTOR, OWNER, OR HIS AGENT

DATE



Regional office for CORE NV company  
777 N 4th St  
Boise, Idaho 83702

**Project:** 5-20-01-006 - CoK - City of Ketchum Fire Station  
107 Saddle Road  
Ketchum, Idaho 83353

## Extractor and Extractor Trench in Decon Rm 131

<b>TO:</b>	Alex Goedhart (Cole Architects) Crystal McColly (Cole Architects)	<b>FROM:</b>	JT Brown (CORE Construction - Las Vegas) 777 N Fourth St Boise, Idaho 83702
<b>DATE INITIATED:</b>	08/21/2020	<b>STATUS:</b>	Open
<b>LOCATION:</b>	Ketchum Fire Station>Fire Station>1st Floor>131 Decon	<b>DUE DATE:</b>	08/28/2020
<b>PROJECT STAGE:</b>	Course of Construction	<b>COST CODE:</b>	
<b>SUB JOB:</b>		<b>SCHEDULE IMPACT:</b>	
<b>COST IMPACT:</b>		<b>SPEC SECTION:</b>	
<b>DRAWING NUMBER:</b>	A6.21, P1.00, P2.00, S2.01a	<b>REFERENCE:</b>	
<b>LINKED DRAWINGS:</b>			
<b>RECEIVED FROM:</b>	Brett Traylor (Evans Plumbing Incorporated (EPI))		
<b>COPIES TO:</b>	JT Brown (CORE Construction - Las Vegas), Grant Gager (City of Ketchum), Cary Goldberg (DPPM Project Management), Bill McLaughlin (City of Ketchum), Dennis Potts (DPPM Project Management), Chris Schratwieser (CORE Construction - Las Vegas), Matt Sylvester (CORE Construction - Las Vegas), Brett Traylor (Evans Plumbing Incorporated (EPI))		

### Question from JT Brown (CORE Construction - Las Vegas) at 12:46 PM on 08/21/2020

On the equipment plan A6.21 item 22-Extractor and Item 14-Extractor Trough Drain are shown to be OFCI items installed in the Decontamination (Decon) Rm 131, however waste nor water is specifically shown on the plumbing plans P1.00 and P2.00 respectively. Please include waste/drain and water requirements for these fixtures on P1.00 and P2.00. The size of the extractor trench drain is not clearly shown and will need to be blocked out in the slab when the SOG is poured and may require a structural detail not shown on S2.01a. Attached to this RFI is a spec sheet on the extractor called out with a 8.4 cu ft capacity and the trough drain is required to have a minimum 4" min blockout bigger than the drain and placed after the original SOG.

**Attachments:**  
[EH060A-OPL.pdf](#)

Awaiting an Official Response

See attached for water and trench drain information. Changes will be included in ASI 3.

James Siefert  
Musgrove Engineering  
08/31/20

See attached updated sheet  
P1.00.

Crystal McColly  
Cole Architects  
9/15/20

KPFF(9-1-20):  
SEE ATTACHED STRUCTURAL PAGES, CHANGES TO BE ISSUED IN FORTHCOMING ASI-03.  
ADAM STICKA, KPFF

The extractor trough drain will not be provided. Provide a 12"W X 12"D x 48"L cast in place trench drain with metal cover. See the attached updated sheets: S2.01a, S4.03, A2.01, A2.40, A6.21, P1.00, P2.00 & P5.01.

Crystal McColly  
Cole Architects  
9/2/20

BY

DATE

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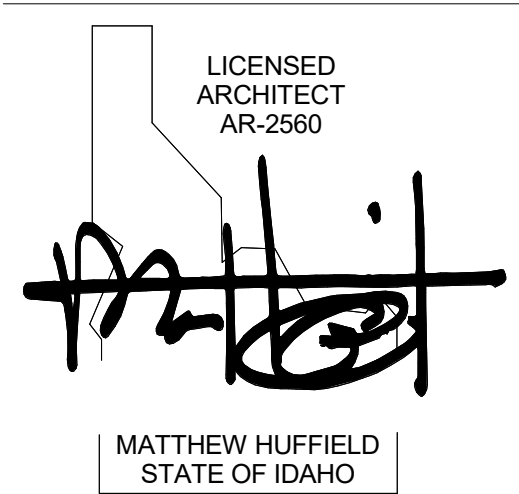


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PROJECT INFORMATION



KETCHUM FIRE STATION NO. 1

107 SADDLE ROAD, KETCHUM, ID 83353

ISSUES

PHASE CONSTRUCTION SET

DATE JUNE 19, 2020

JOB NUMBER 18-022

MARK	DATE	DESCRIPTION
7	9/2/20	RFI #CC-62
2	7/17/20	ASI 1

SHEET NAME

FLOOR PLAN - LEVEL 01

SHEET NUMBER

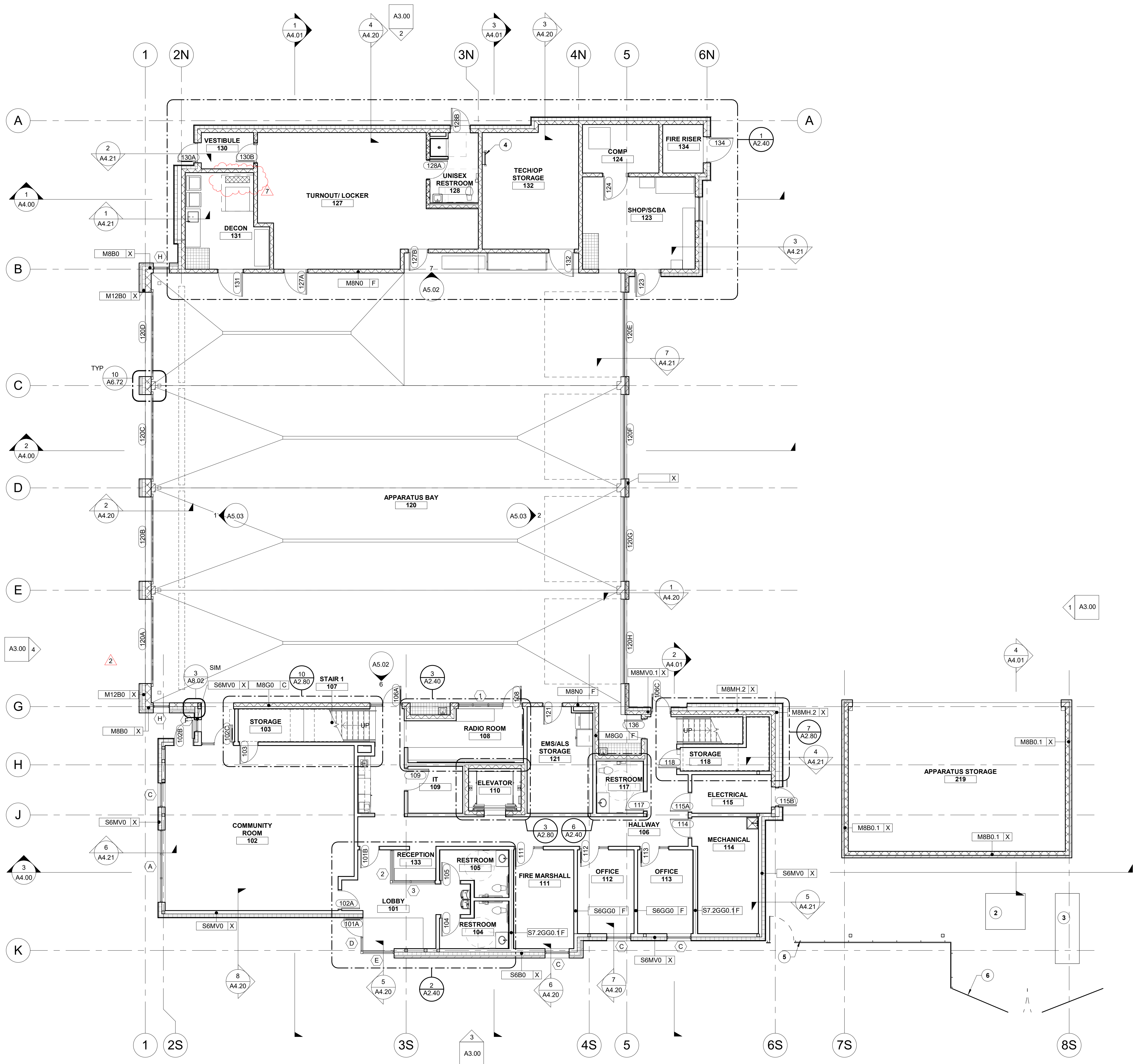
A2.01

## GENERAL NOTES

- FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE PROCEEDING WITH WORK.
- CROSS REFERENCES SHOWN ON DRAWINGS DO NOT NECESSARILY INDICATE ALL LIKE CONDITIONS AND DO NOT LIMIT APPLICATION OF ANY DRAWING OR DETAIL. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT PRIOR TO PROCEEDING WITH WORK. IF DESIGN INTENT REMAINS UNCLEAR THEN PROVIDE MOST EXPENSIVE OPTION IN BID.
- PROVIDE SOLID BLOCKING IN WALLS FOR ALL WALL HUNG EQUIPMENT. BLOCKING TO MEET OR EXCEED MANUFACTURER'S RECOMMENDATIONS. FASTEN EQUIPMENT TO WALLS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE BLOCKING FOR, BUT NOT LIMITED TO THE FOLLOWING: MILLWORK, RAILING, FIRE EXTINGUISHER ACCESSORIES, WALL MOUNTED PLUMBING FIXTURES, SHELVING, ELECTRICAL EQUIPMENT, RESTROOM ACCESSORIES AND DISPLAY ITEMS.
- CAULK ALL COUNTERTOPS, BACKSPASHES AND CABINETS AT LOCATIONS WHERE THEY MEET WALLS. SEAL ALL CUT-OUTS IN COUNTERTOPS.
- ERECT DUST PROOF PARTITIONS AS REQUIRED BY OWNER TO PROTECT ADJACENT AREAS.
- ALL PARTITIONS ARE TYPE "S6GG0-F" UNLESS OTHERWISE NOTED.
- SEAL AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT PENETRATIONS AT WALLS. AT RATED WALLS USE A U.L. APPROVED FIRE-STOPPING MATERIAL. APPROPRIATE FOR FIRE RATING REQUIREMENTS.
- PROVIDE 4" DOOR JAMBS FROM FACE-OF-FINISH AT ADJACENT WALLS ON THE HINGE SIDE OR UNLESS OTHERWISE INDICATED.
- DIMENSIONS ARE TO GRID LINE OR FACE OF STRUCTURAL MEMBER UNLESS OTHERWISE NOTED. DOOR & WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING OR CENTERLINE OF OPENING. CONCRETE AND BRICK DIMENSIONS ARE GIVEN TO THE FACE OF CONCRETE OR MASONRY AND TO THE FACE OF ROUGH OPENINGS.

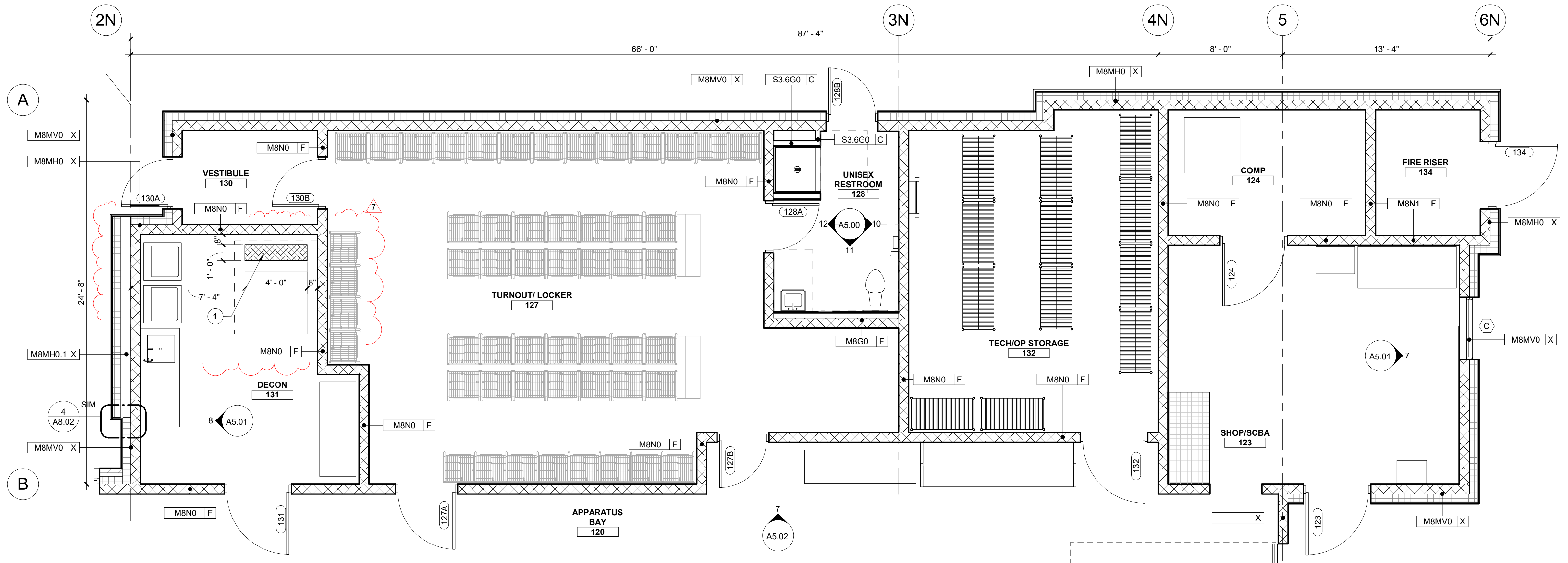
## KEYNOTES #

- STRUCTURAL COLUMN, SEE STRUCTURAL
- NEW TRANSFORMER, SEE ELECTRICAL
- GENERATOR, SEE ELECTRICAL
- ROOF ACCESS LADDER
- FENCE, SEE LANDSCAPE
- GATE, SEE LANDSCAPE

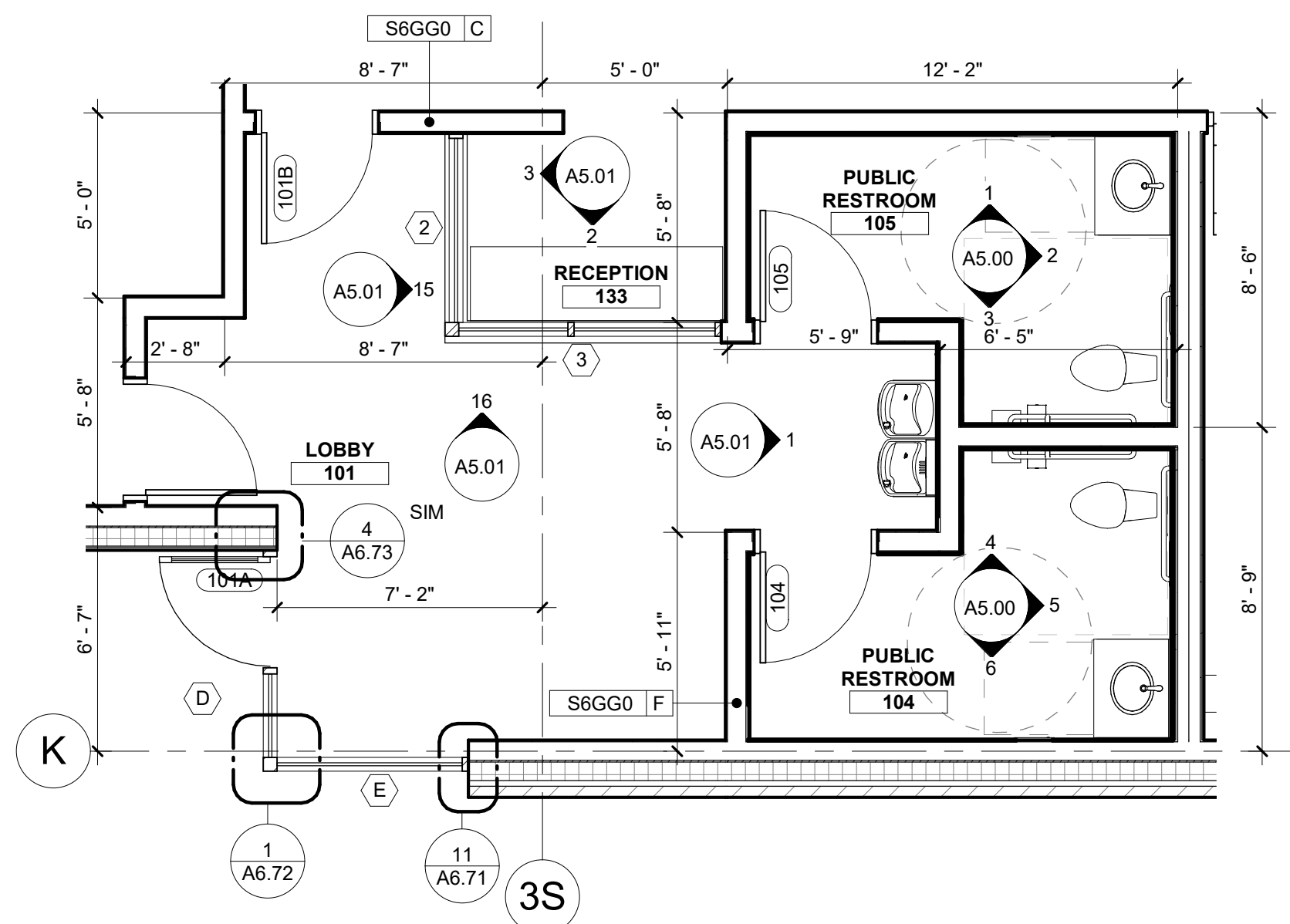


1 LEVEL 01 PLAN  
SCALE | 1/8" = 1'-0"

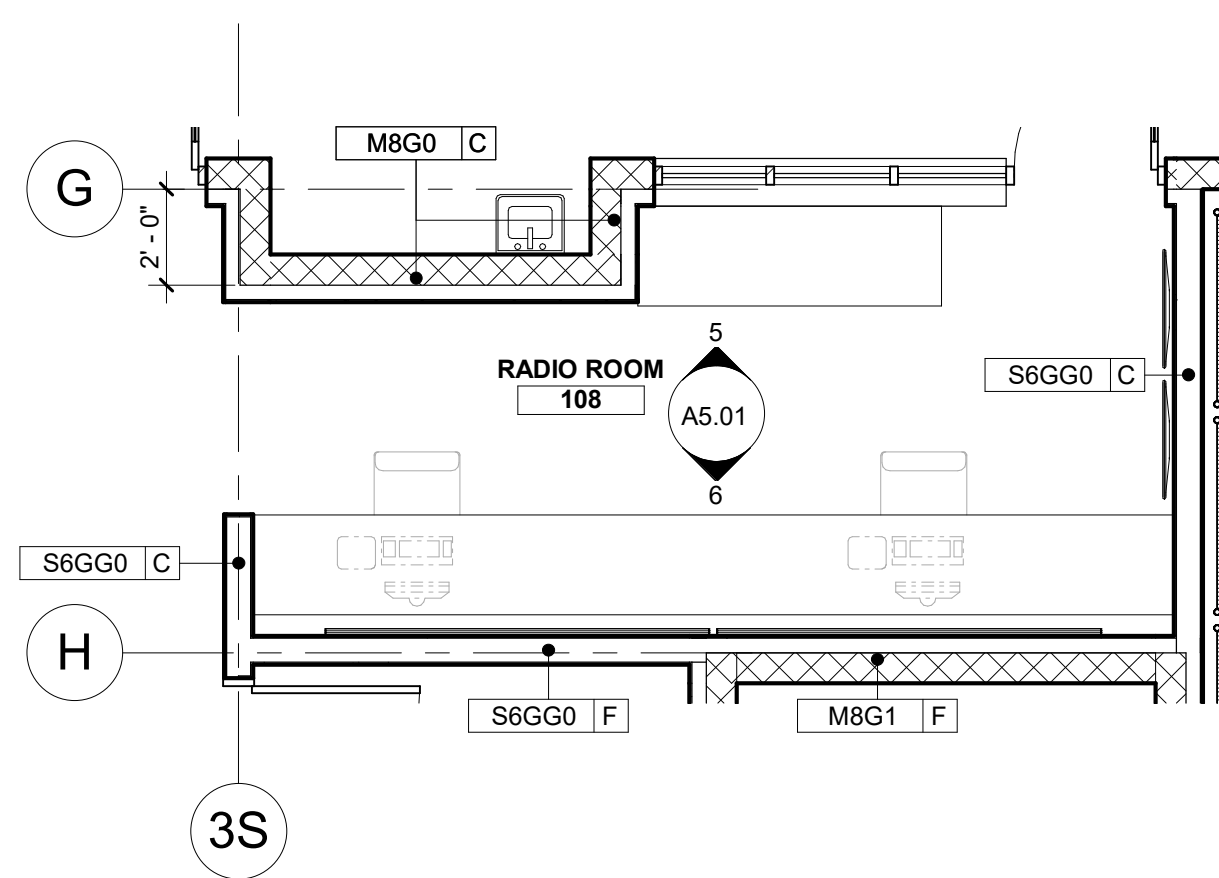




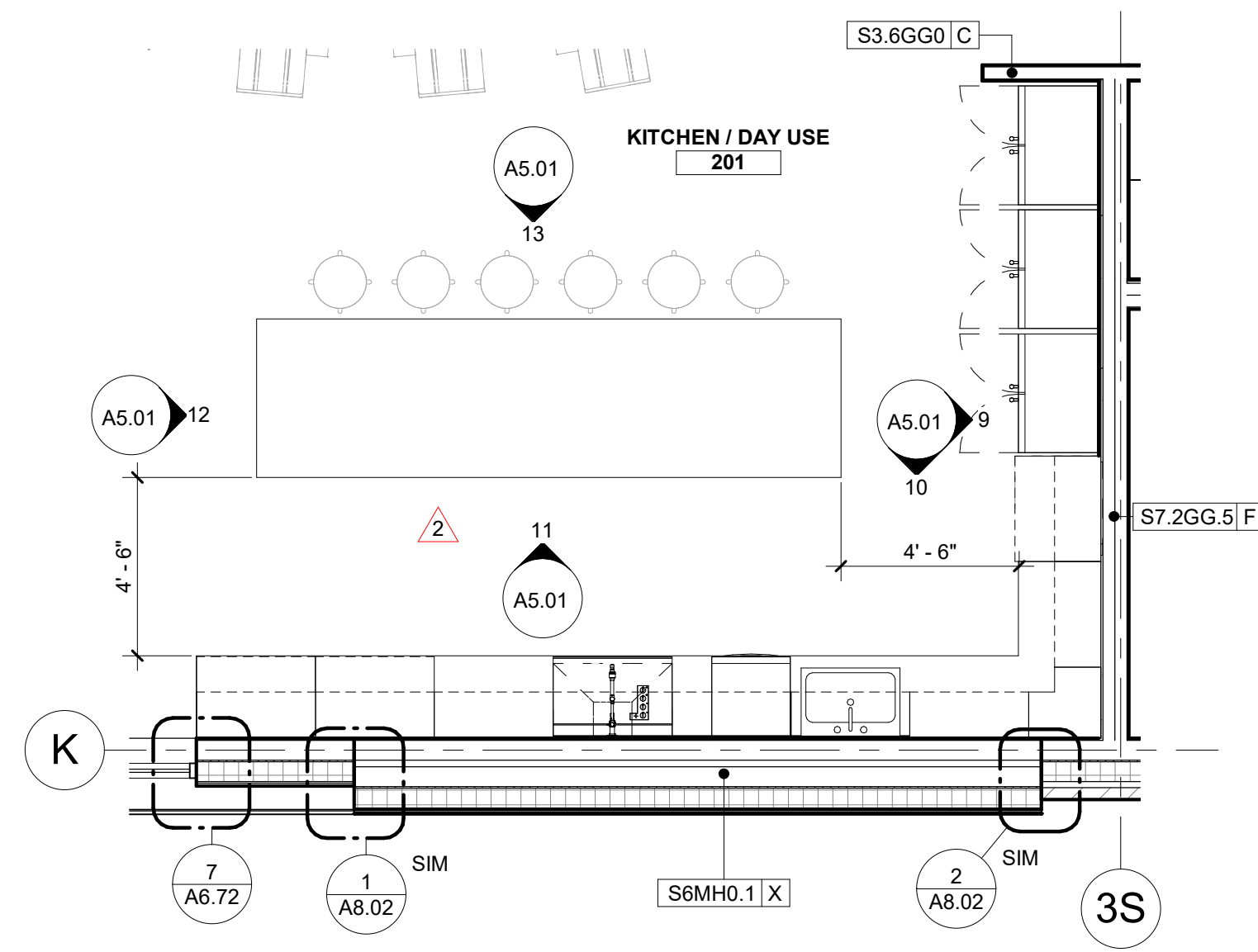
**1 ENLARGED PLAN - SUPPORT/UTILITY BAY**  
SCALE | 1/4" = 1'-0"



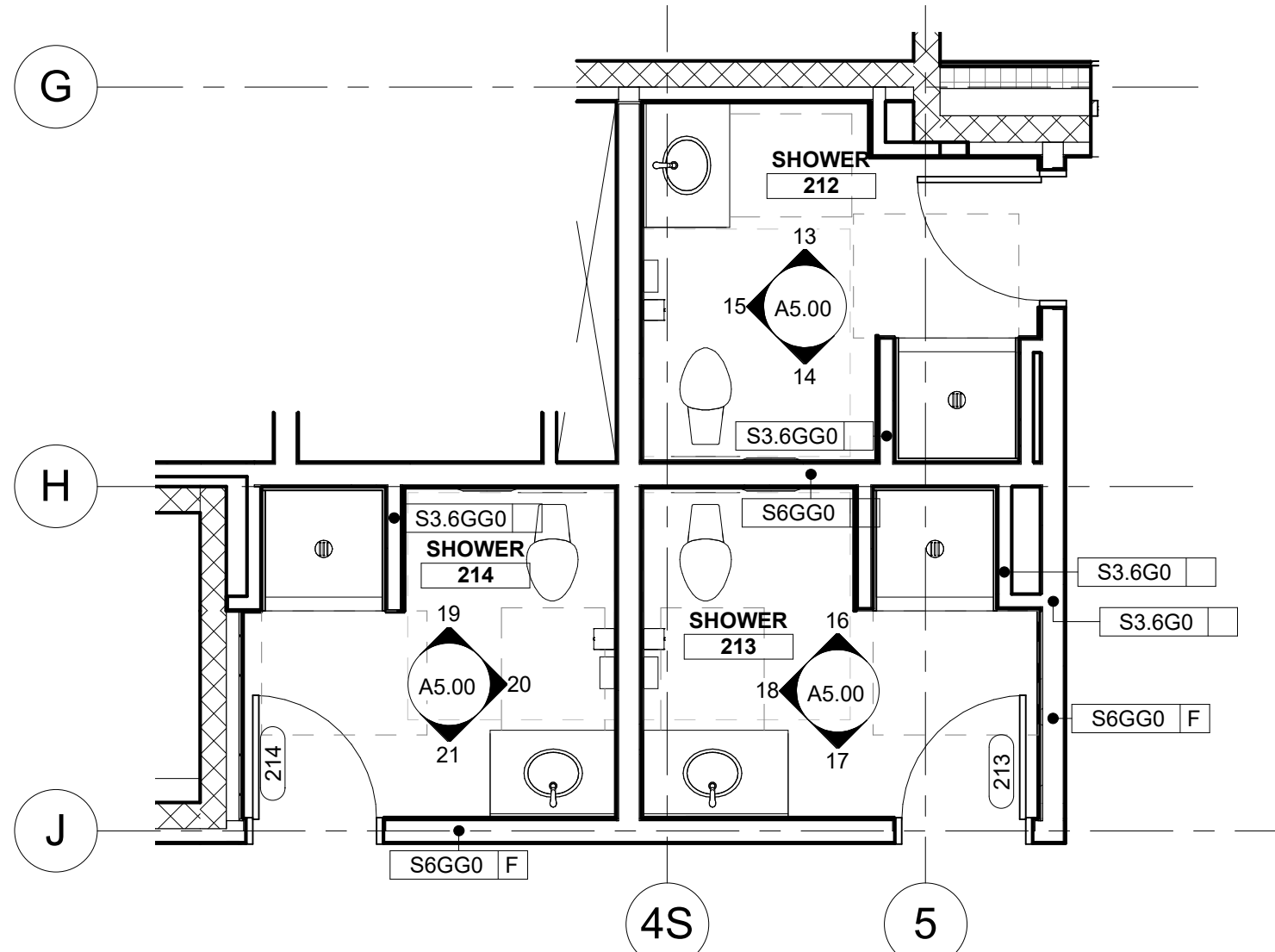
**2 ENLARGED PLAN - LOBBY**  
SCALE | 1/4" = 1'-0"



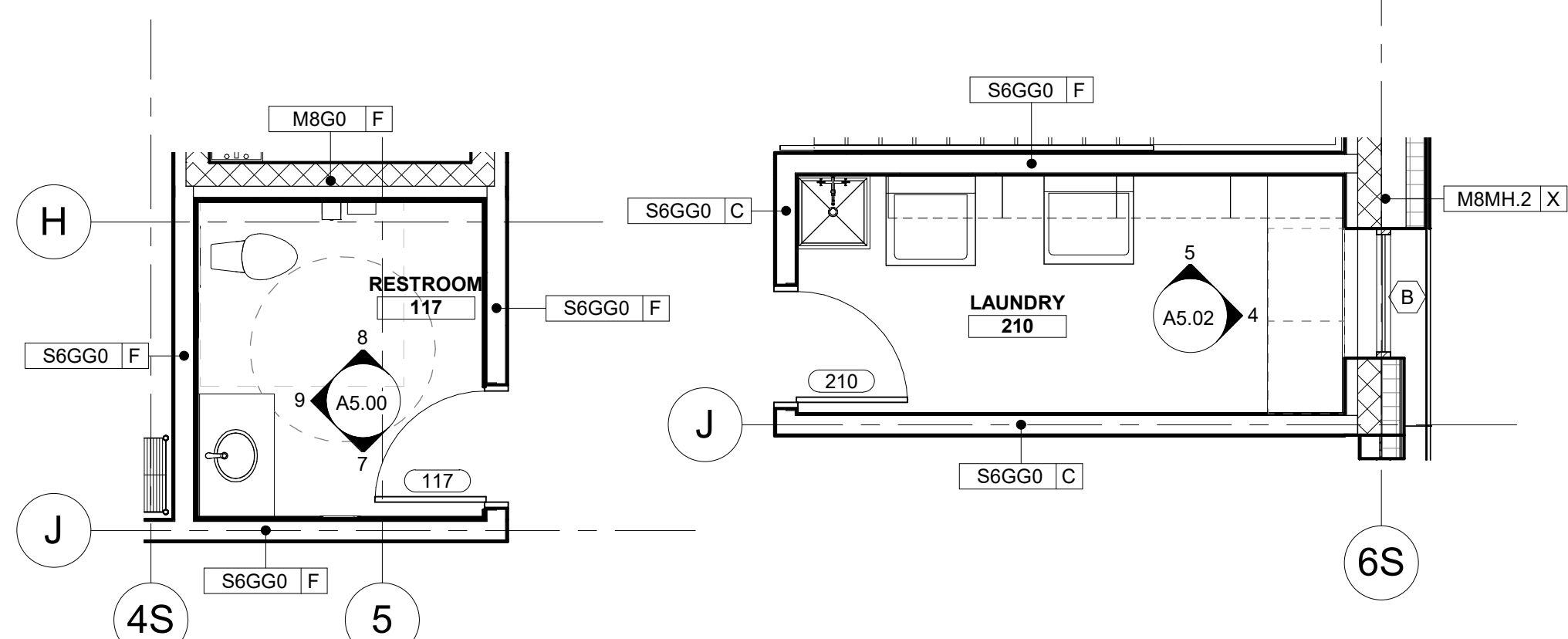
**3 ENLARGED PLAN - RADIO ROOM**  
SCALE | 1/4" = 1'-0"



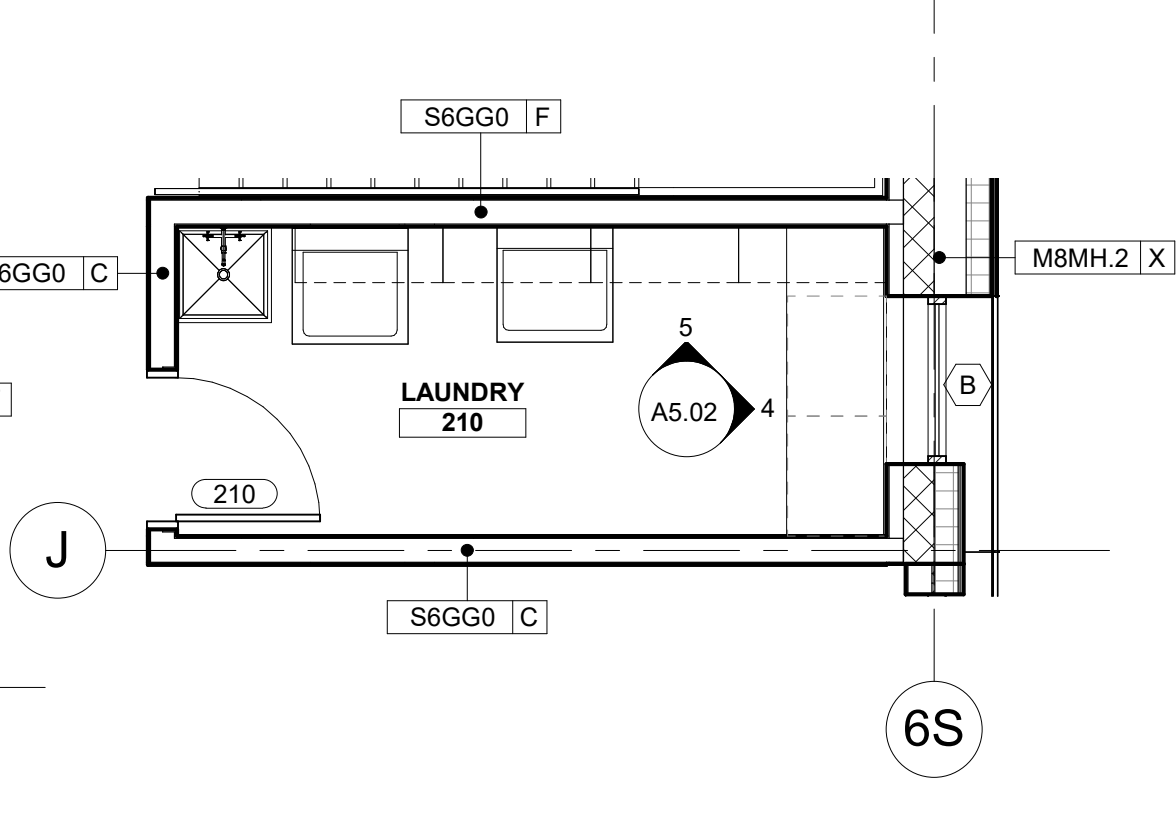
**4 ENLARGED PLAN - KITCHEN**  
SCALE | 1/4" = 1'-0"



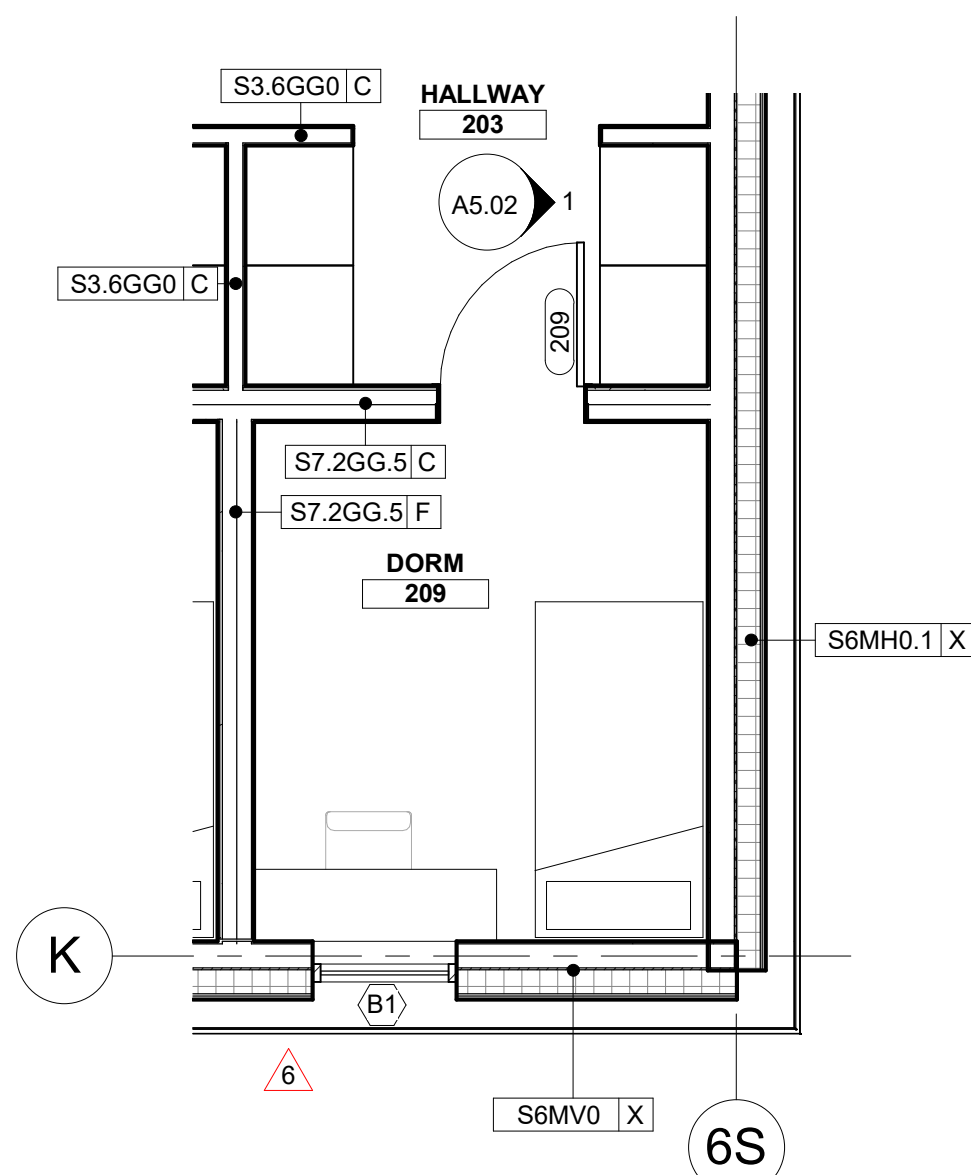
**5 ENLARGED PLAN - DORM SHOWERS**  
SCALE | 1/4" = 1'-0"



**6 ENLARGED PLAN - OFFICE RESTROOM**  
SCALE | 1/4" = 1'-0"



**7 ENLARGED PLAN - LAUNDRY**  
SCALE | 1/4" = 1'-0"



**8 ENLARGED PLAN - TYPICAL DORM ROOM**  
SCALE | 1/4" = 1'-0"

## KEY NOTES: #

- 12"W X 12"D X 48"L TRENCH DRAIN WITH METAL DRAIN COVER.

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## PROJECT INFORMATION



## KETCHUM FIRE STATION NO. 1

107 SADDLE ROAD, KETCHUM, ID 83353

## ISSUES

PHASE	CONSTRUCTION SET
DATE	JUNE 19, 2020
JOB NUMBER	18-022

MARK	DATE	DESCRIPTION
7	9/2/20	RFI #CC-62
6	8/17/20	ASI 2
2	7/17/20	ASI 1

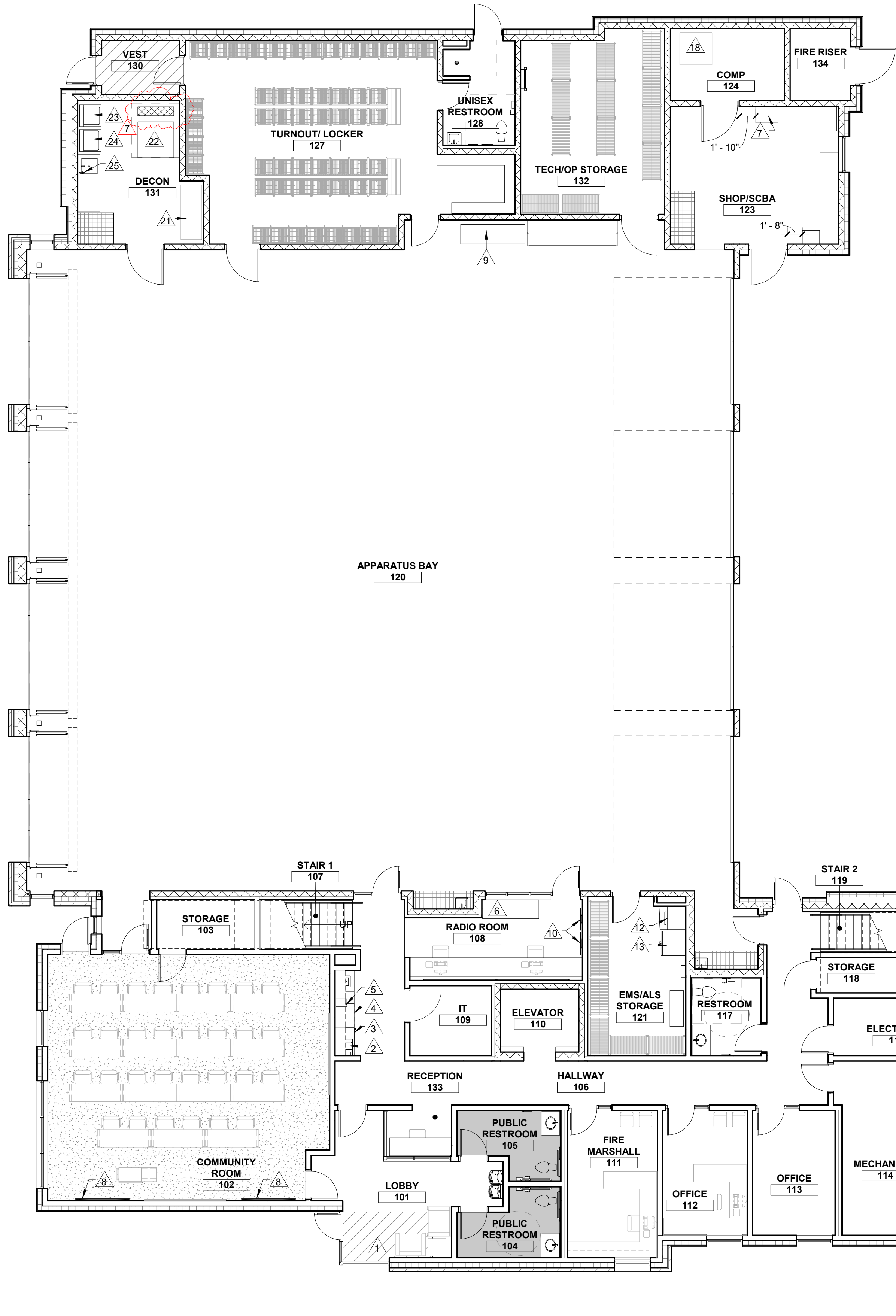
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## ENLARGED PLANS

## SHEET NUMBER

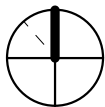
**A2.40**





EQUIPMENT SCHEDULE

ROOM NUMBER	ROOM	TAG	DESCRIPTION	MANUFACTURER	ITEM #	QUANTIT Y	EXISTING/NE W	CONSTRUCTI ON	W	D	H	LEVEL
101	LOBBY	1	EMERGENCY PHONE	TBD		1	NEW	OFCI				1
102	COMMUNITY ROOM	8	WALL MOUNTED TV	LG	43UN7300PUF	2	NEW	OFCI	6' - 0 13/16"	0' - 3 1/2"	3' - 6"	1
106	COFFEE/COPY NOOK	2	COPY MACHINE	HP	1MR66A#A2L	1	NEW	OFOI	1' - 7 17/32"	1' - 2 27/32"	1' - 7 1/4"	1
106	COFFEE/COPY NOOK	3	UNDER COUNTER BEVERAGE REFRIDGERATOR	GE	GV504BQNSS	1	NEW	OFCI	1' - 7"	1' - 11"	2' - 9"	1
106	COFFEE/COPY NOOK	4	MICROWAVE	KITCHENAID	KMCS3022GSS	1	NEW	OFCI	2' - 0"	1' - 8"	1' - 1"	1
106	COFFEE/COPY NOOK	5	COFFEE MAKER	KEURIG	GMT20143	1	NEW	OFOI	0' - 10 13/32"	1' - 2"	1' - 1 29/32"	2
108	RADIO ROOM	6	RADIO CHARGING STATION	TBD		1	NEW	OFCI				1
108	RADIO ROOM	10	32" WALL MOUNTED MONITOR	SAMSUNG	UN32N5300AFXZA	2	NEW	OFCI	2' - 4 29/32"	0' - 3 3/32"	1' - 5 5/16"	1
120	APPARATUS BAY	9	ROTOJET HOSE WASHER	ROTOJET	Series 100A	1	NEW	OFCI	7' - 2"	2' - 2"	4' - 1"	1
121	STORAGE	12	ICE MACHINE	MANITOWOC	SM-50A	1	NEW	OFCI	2' - 2"	2' - 4 1/2"	2' - 8 1/2"	1
121	STORAGE	13	REFRIGERATOR	LG	LRFC52503S	1	NEW	OFOI	2' - 9"	2' - 5"	5' - 9 7/8"	1
123	SHOP	7	SCBA FILL STATION	BAUER COMPRESSORS	CF55.5-2S	1	NEW	OFCI	2' - 6"	1' - 9"	4' - 5"	1
123	SHOP	15	LOW PRESSURE COMPRESSOR	TBD		1	NEW	OFOI				1
124	COMPRESSOR	18	COMPRESSOR WITH CO MONITOR	HUSH AIR CONNECT 7500	8004553	1	NEW	OFCI	3' - 7"	3' - 7"	5' - 3"	1
131	DECONTAMINATION	21	RAM TURNOUT GEAR DRYER	RAM AIR	TG-4	1	NEW	OFCI	6' - 1"	2' - 4"	6' - 6"	1
131	DECONTAMINATION	22	EXTRACTOR	CONTINENTAL GIRBAU	EH060	1	NEW	OFCI	3' - 2 13/32"	4' - 0 3/16"	4' - 10 3/32"	1
131	DECONTAMINATION	23	WASHER	LG	WM3700HVA	1	NEW	OFCI	2' - 3"	2' - 6 1/4"	3' - 3"	1
131	DECONTAMINATION	25	EMERGENCY SHOWER/EYE WASH	ULINE	H-5457	1	NEW	CFCI				1
131	DECONTAMINATION	24	DRYER	BOSCH	WTG86400UC	1	NEW	OFCI	1' - 11 1/2"	2' - 1"	2' - 9 1/4"	2
131	DECONTAMINATION	14	EXTRACTOR DRAINAGE TRENCH	HIGH MARK MANUFACTURING	ABS DRAIN TROUGH	1	NEW	OFCI				1
201	DAY USE	11	WALL MOUNTED TV	LG	43UN7300PUF	1	NEW	OFCI	3' - 2 5/16"	0' - 3 5/16"	1' - 10 1/2"	2
201	KITCHEN	26	36" BURNER ELECTRIC INDUCTION COOKTOP	KITCHENAID	KICU569X	1	NEW	OFCI	3' - 0 5/16"	1' - 9 5/16"	0' - 3 1/8"	2
201	KITCHEN	27	HOOD	LG	LSHD3680ST	1	NEW	OFCI	2' - 11 3/8"	1' - 7 11/16"	3' - 9"	2
201	KITCHEN	28	DOUBLE WALL OVEN	LG	LWD3063063ST	1	NEW	OFCI	2' - 6"	2' - 0 3/4"	4' - 2 7/16"	2
201	KITCHEN	29	MICROWAVE	LG	LMC2075BD	2	NEW	OFCI	2' - 0 7/16"	1' - 7 5/8"	1' - 1 5/8"	2
201	KITCHEN	30	DISHWASHER	BOSCH	SHX3AR75UC	1	NEW	OFCI	2' - 0"	2' - 0 1/4"	2' - 9 3/4"	2
201	KITCHEN	20	REFRIGERATOR	LG	LRFC52503S	3	NEW	OFOI	2' - 9"	2' - 5"	5' - 9 7/8"	2
201	KITCHEN	19	COFFEE MAKER	KEURIG	GMT20143	1	NEW	OFOI	0' - 10 13/32"	1' - 2"	1' - 1 29/32"	2
210	LAUNDRY	17	DRYER	LG	DLEX9000V	1	NEW	OFCI	2' - 5"	2' - 9 3/8"	3' - 4 7/8"	1
210	LAUNDRY	16	WASHER	LG	WM3700HVA	1	NEW	OFCI	2' - 3"	2' - 6 1/4"	3' - 3"	2



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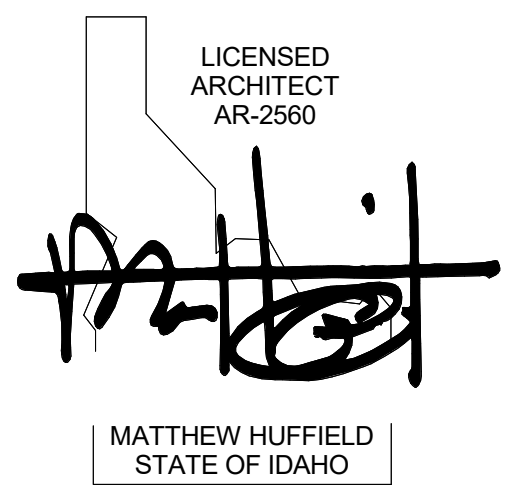


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PROJECT INFORMATION



KETCHUM FIRE STATION NO. 1

107 SADDLE ROAD, KETCHUM, ID 83353

ISSUES

PHASE CONSTRUCTION SET

DATE JUNE 19, 2020

JOB NUMBER 18-022

MARK	DATE	DESCRIPTION
7	9/2/20	RFI #CC-62

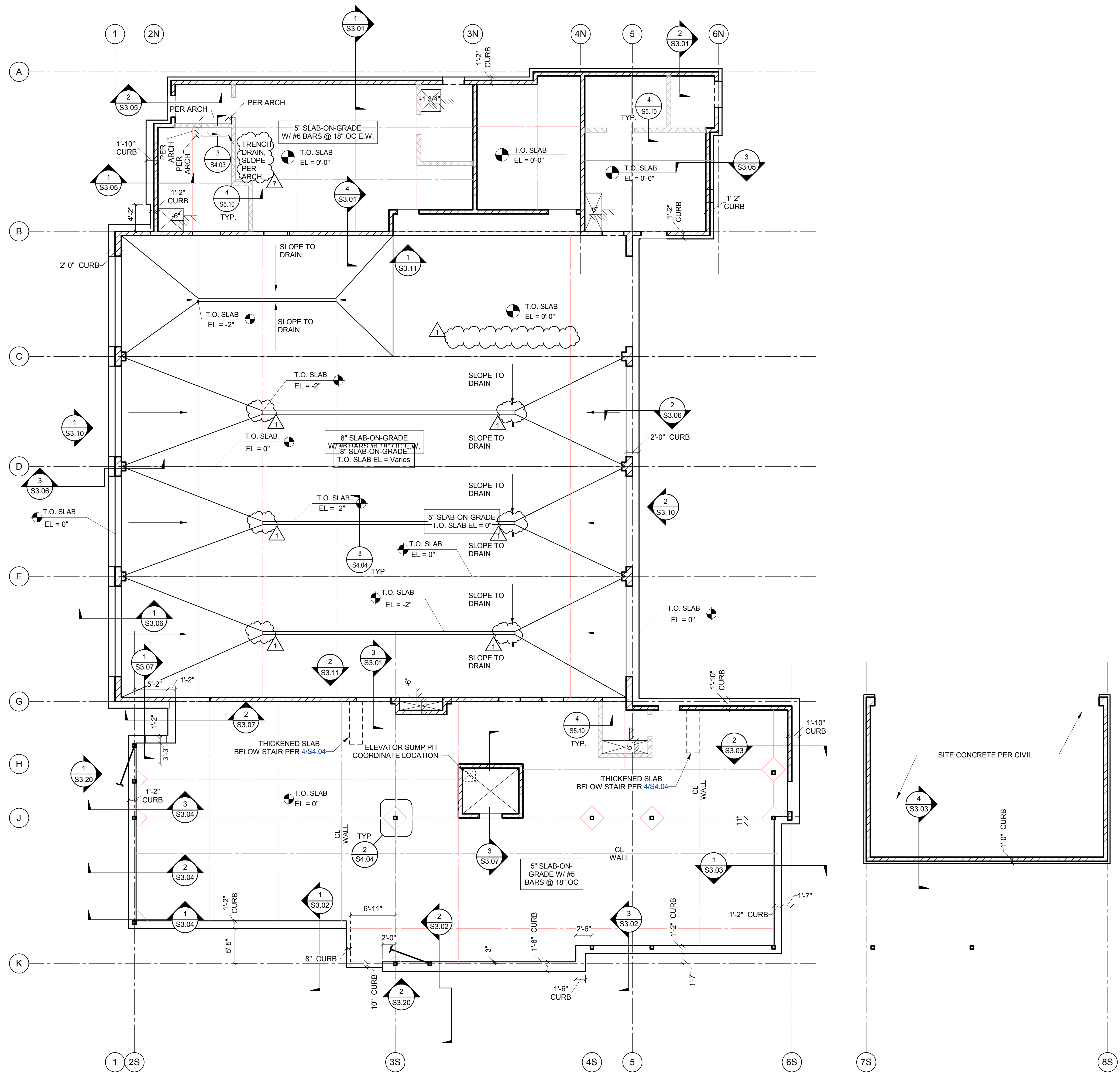
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EQUIPMENT PLAN - LEVEL 01

SHEET NUMBER

A6.21





SLAB-ON-GRADE PLAN NOTES:

1. SEE ARCH FOR SLAB ON GRADE FINISH REQUIREMENTS.
2. FOR TYPICAL BASE PREPARATION SEE 7/S4.04
3. PLACE TOP REINF LAYER 1 1/2" CLR BELOW SAW-CUT CONTROL JOINT DO NOT CUT BAR WHEN CUTTING. SEE 1/S4.04 FOR CONTROL JOINTS.
4. SEE ARCH PLANS FOR EDGE OF SLAB EXTENTS.
5. COORDINATE INSTALLATION OF BELOW-SLAB RADON CONTROL SYSTEM WITH MECHANICAL.
6. COORDINATE INSTALLATION OF RADIANT HEATING SYSTEM WITH SLAB-ON-GRADE REINFORCEMENT AND CONTROL JOINTS.

SLAB-ON-GRADE PLAN SYMBOLS:

1. T.O. CONC EL = XX'-XX" INDICATES TOP OF STRUCTURAL CONCRETE ELEVATION. 0'-0" = 5819.25' PER CIVIL.
2. INDICATES STEP IN SLAB, SEE 3/S4.04
3. INDICATES CMU BEARING WALL SEE WALL ELEV OR 1/S5.01 FOR REINF AS INDICATED
4. INDICATES NONBEARING CMU WALL PER 1/S5.10 REF ARCH PLANS FOR WALL LOCATIONS.
5. INDICATES SAW-CUT CONTROL JOINT PER 1/S4.04 CENTER UNDER WALL WHERE INDICATED "CL WALL"



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KETCHUM FIRE STATION

SADDLE ROAD  
KETCHUM, ID 83353

ISSUES

PHASE	CONSTRUCTION SET
DATE	6/19/20
JOB NUMBER	10211900175

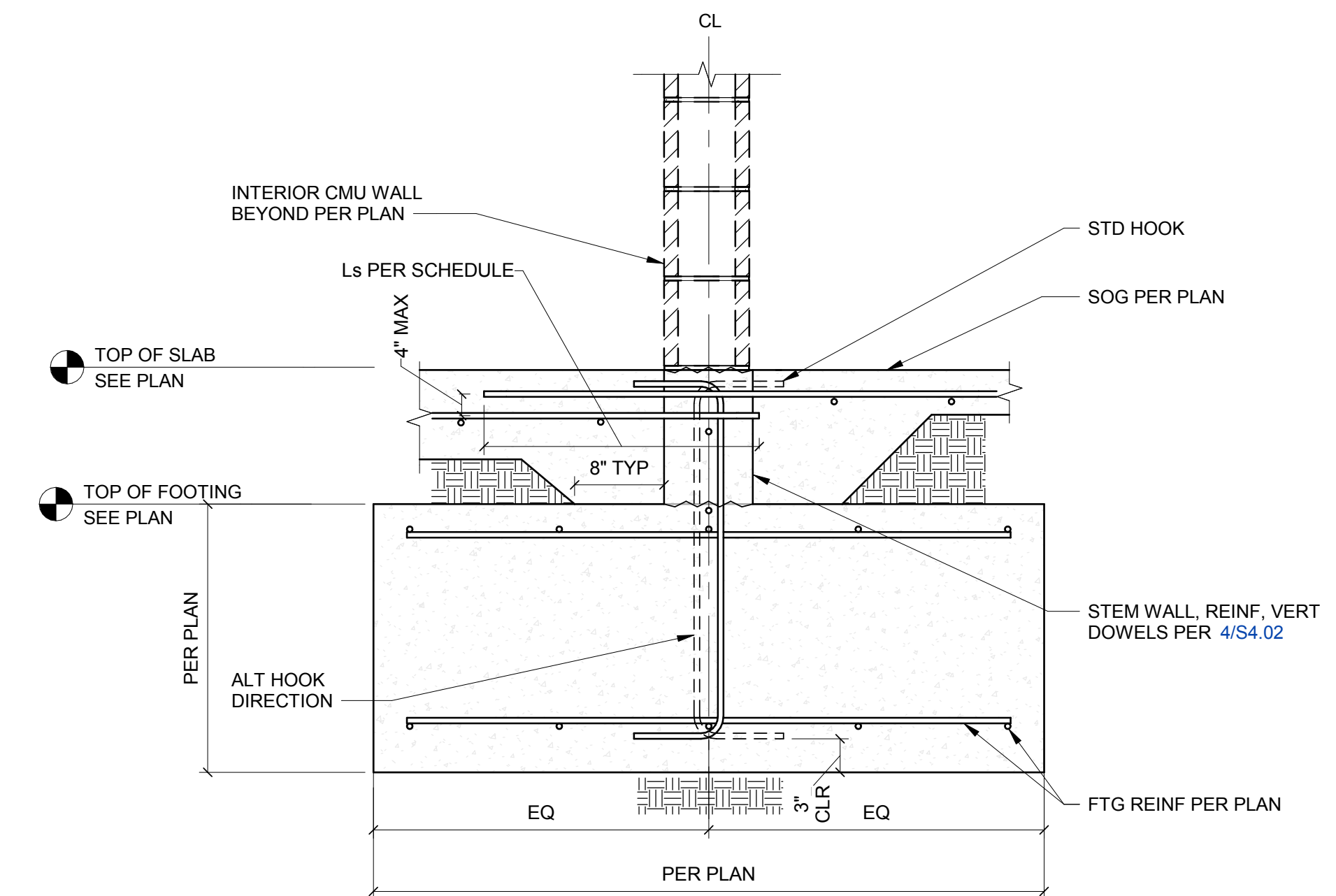
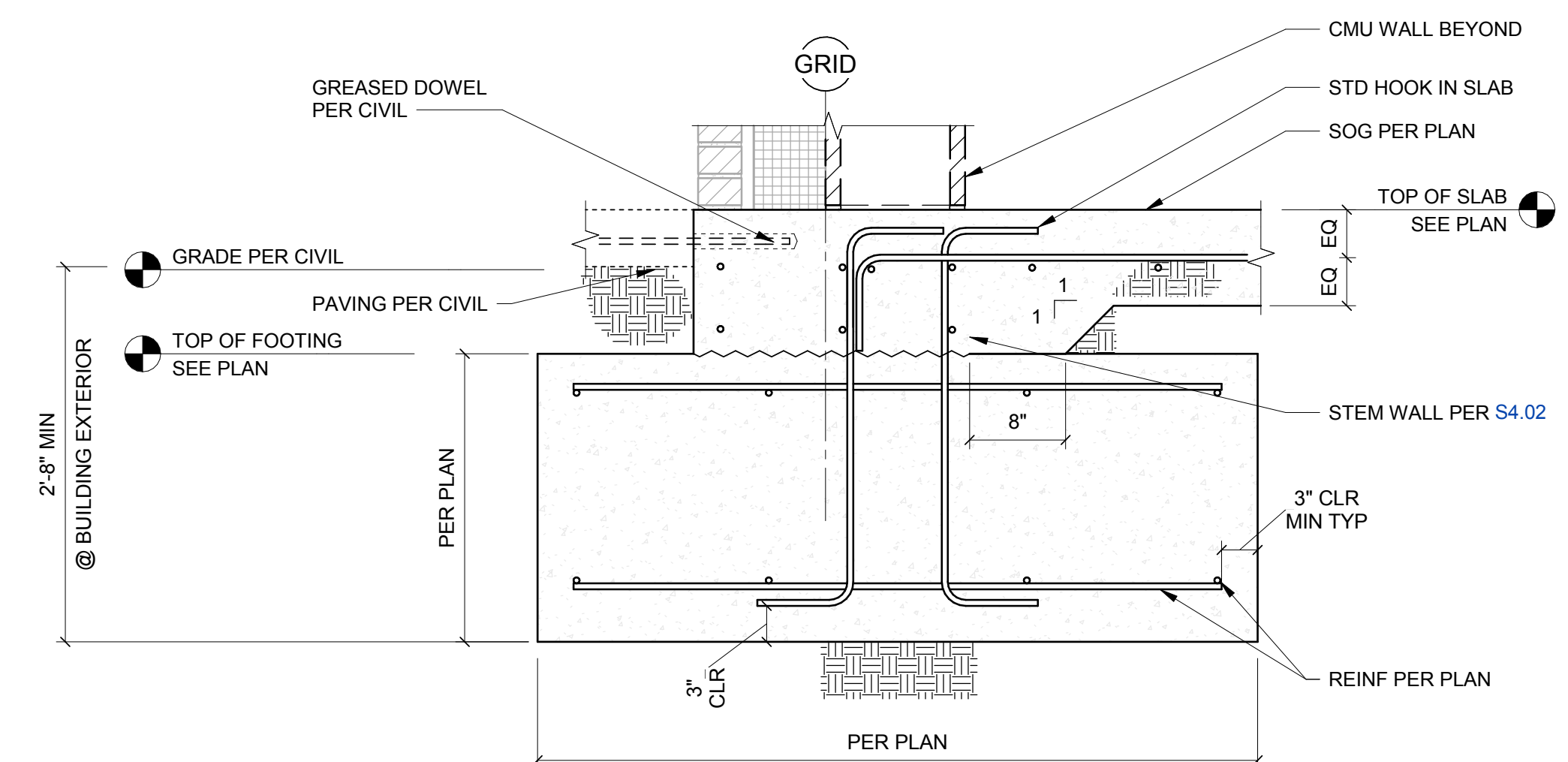
MARK	DATE	DESCRIPTION
1	7/17/2020	ASI #1
7	9/2/20	RF#CC-62

SHEET NAME

SLAB ON GRADE PLAN

SHEET NUMBER

S2.01a

FOOTING AT INTERIOR CMU WALL  
AT WALL OPENING

EDGE OF SLAB ON GRADE  
AT WALL OPENINGS



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## PHASE CONSTRUCTION SE

DATE 6/19/2018

B NUMBER	1021190017
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MARK	DATE	DESCRIPTION
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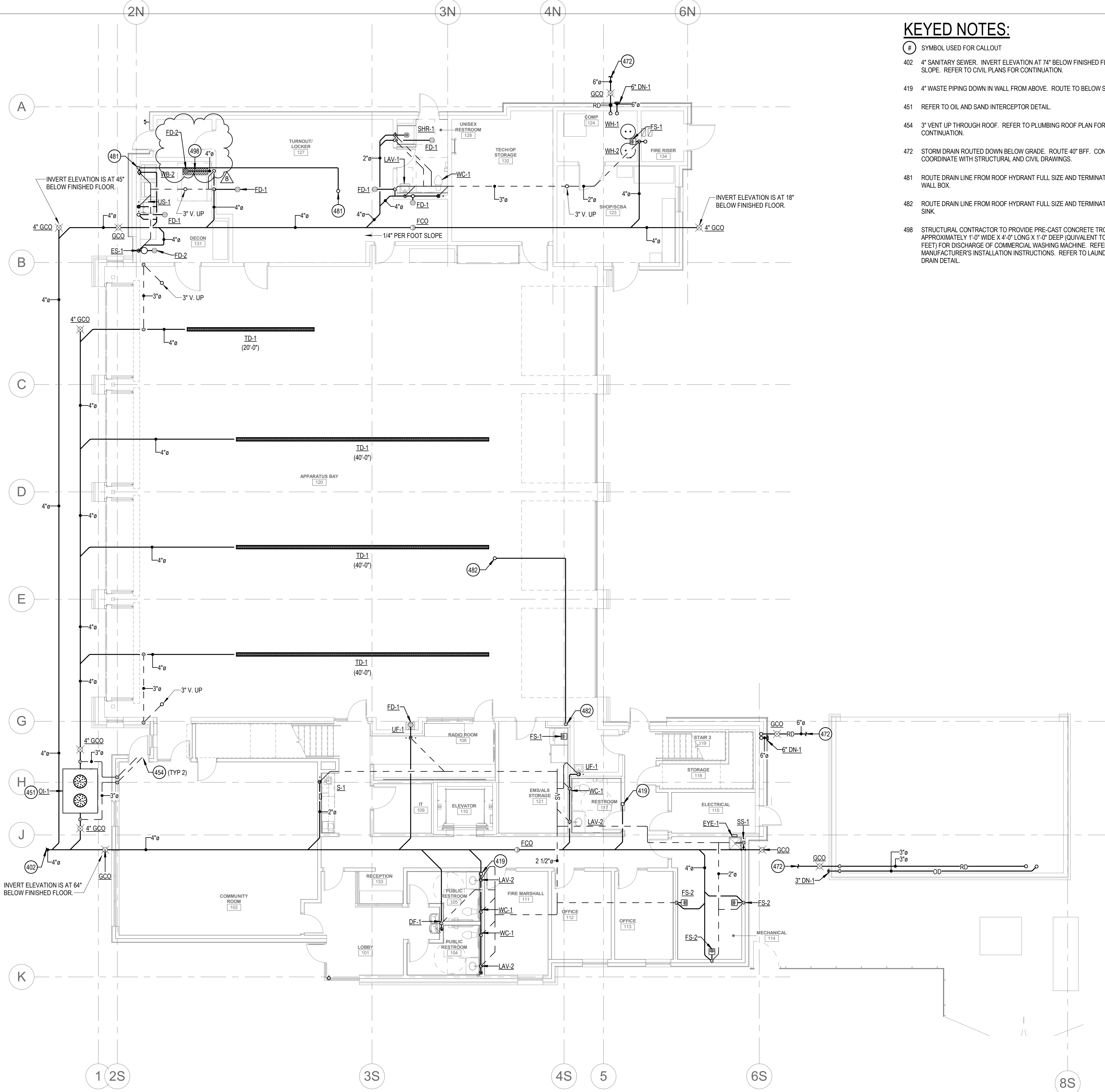
**SHEET NAME**

## TYPICAL CONCRETE DETAILS

SHEET NUMBER

## S4.03





**1 PLUMBING WASTE AND VENT - LEVEL 01**  
SCALE | 1/8" = 1'-0"

### KEYED NOTES:

- 402 4" SANITARY SEWER. INVERT ELEVATION AT 74" BELOW FINISHED FLOOR @ 1/4" SLOPE. REFER TO CIVIL PLANS FOR CONTINUATION.
- 419 4" WASTE PIPING DOWN IN WALL FROM ABOVE. ROUTE TO BELOW SLAB.
- 451 REFER TO OIL AND SAND INTERCEPTOR DETAIL.
- 454 3" VENT UP THROUGH ROOF. REFER TO PLUMBING ROOF PLAN FOR CONTINUATION.
- 472 STORM DRAIN ROUTED DOWN BELOW GRADE. ROUTE 40" BFF. CONTRACTOR TO COORDINATE WITH STRUCTURAL AND CIVIL DRAWINGS.
- 481 ROUTE DRAIN LINE FROM ROOF HYDRANT FULL SIZE AND TERMINATE AT WASHER WALL BOX.
- 482 ROUTE DRAIN LINE FROM ROOF HYDRANT FULL SIZE AND TERMINATE AT FLOOR SINK.
- 498 STRUCTURAL CONTRACTOR TO PROVIDE PRE-CAST CONCRETE TROUGH APPROXIMATELY 1'-0" WIDE X 4'-0" LONG X 1'-0" DEEP (EQUIVALENT TO 4 CUBIC FEET) FOR DISCHARGE OF COMMERCIAL WASHING MACHINE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO LAUNDRY TRENCH DRAIN DETAIL.



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### KETCHUM FIRE STATION

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PHASE CONSTRUCTION SET

DATE 6/19/2020

JOB NUMBER 18-022

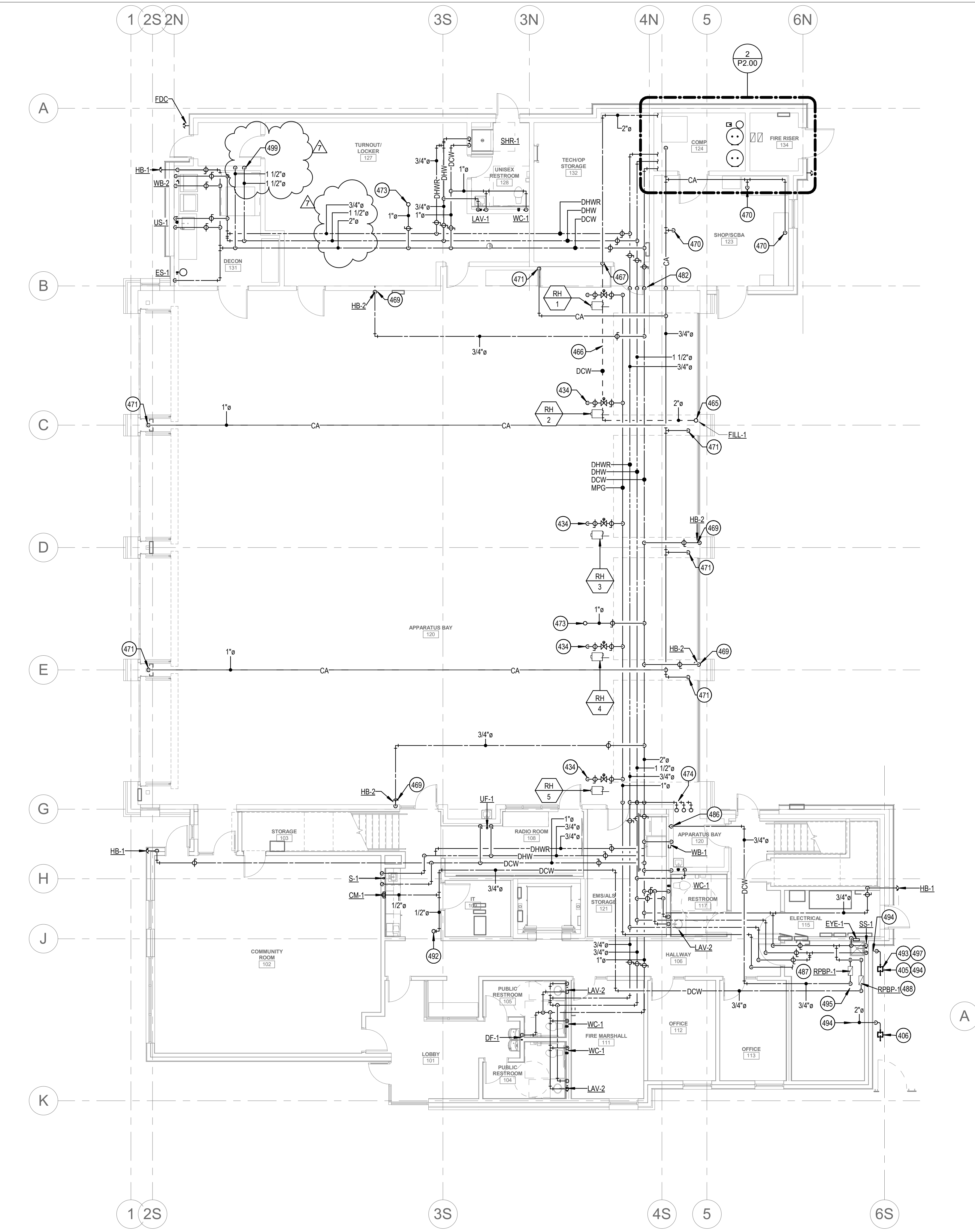
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7	8/31/20	RFI #CC-62
8	9/03/20	RFI #CC-62R1

SHEET NAME

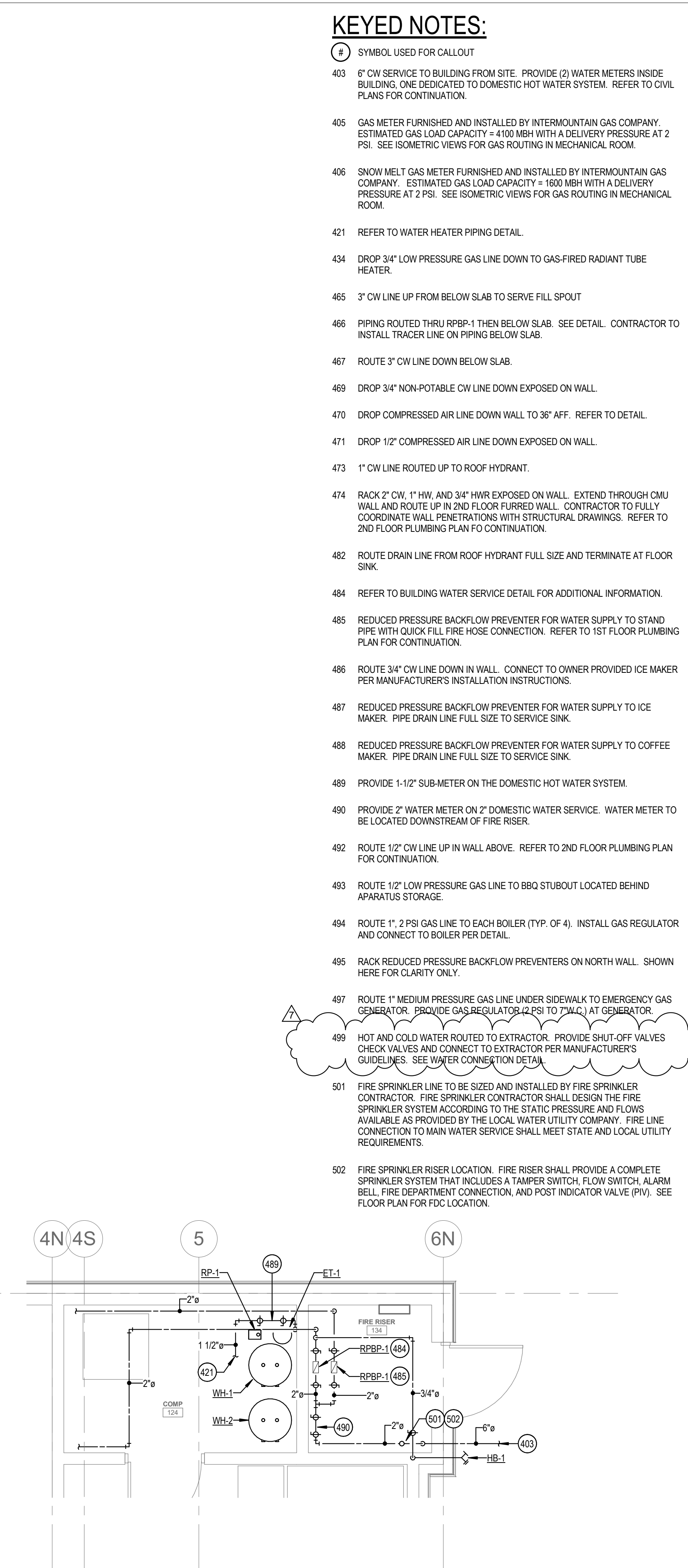
**PUMBING WASTE  
AND VENT PLAN -  
LEVEL 01**

SHEET NUMBER

**P1.00**



**1 PLUMBING WATER AND GAS - LEVEL 01**  
SCALE | 1/8" = 1'-0"



**2 ENLARGED FIRE RISER PLUMBING PLAN**  
SCALE | 1/4" = 1'-0"

## KEYED NOTES:

- 403 6" CW SERVICE TO BUILDING FROM SITE. PROVIDE (2) WATER METERS INSIDE BUILDING, ONE DEDICATED TO DOMESTIC HOT WATER SYSTEM. REFER TO CIVIL PLANS FOR CONTINUATION.
- 405 GAS METER FURNISHED AND INSTALLED BY INTERMOUNTAIN GAS COMPANY. ESTIMATED GAS LOAD CAPACITY = 4100 MBH WITH A DELIVERY PRESSURE AT 2 PSI. SEE ISOMETRIC VIEWS FOR GAS ROUTING IN MECHANICAL ROOM.
- 406 SNOW MELT GAS METER FURNISHED AND INSTALLED BY INTERMOUNTAIN GAS COMPANY. ESTIMATED GAS LOAD CAPACITY = 1600 MBH WITH A DELIVERY PRESSURE AT 2 PSI. SEE ISOMETRIC VIEWS FOR GAS ROUTING IN MECHANICAL ROOM.
- 421 REFER TO WATER HEATER PIPING DETAIL.
- 434 DROP 3/4" LOW PRESSURE GAS LINE DOWN TO GAS-FIRED RADIANT TUBE HEATER.
- 465 3" CW LINE UP FROM BELOW SLAB TO SERVE FILL SPOUT
- 466 PIPING ROUTED THRU RPB-1 THEN BELOW SLAB. SEE DETAIL. CONTRACTOR TO INSTALL TRACER LINE ON PIPING BELOW SLAB.
- 467 ROUTE 3" CW LINE DOWN BELOW SLAB.
- 469 DROP 3/4" NON-POTABLE CW LINE DOWN EXPOSED ON WALL.
- 470 DROP COMPRESSED AIR LINE DOWN WALL TO 36" AFF. REFER TO DETAIL.
- 471 DROP 1/2" COMPRESSED AIR LINE DOWN EXPOSED ON WALL.
- 473 1" CW LINE ROUTED UP TO ROOF HYDRANT.
- 474 RACK 2" CW, 1" HW, AND 3/4" HWR EXPOSED ON WALL. EXTEND THROUGH CMU WALL AND ROUTE UP IN 2ND FLOOR FURRED WALL. CONTRACTOR TO FULLY COORDINATE WALL PENETRATIONS WITH STRUCTURAL DRAWINGS. REFER TO 2ND FLOOR PLUMBING PLAN FOR CONTINUATION.
- 482 ROUTE DRAIN LINE FROM ROOF HYDRANT FULL SIZE AND TERMINATE AT FLOOR SINK.
- 484 REFER TO BUILDING WATER SERVICE DETAIL FOR ADDITIONAL INFORMATION.
- 485 REDUCED PRESSURE BACKFLOW PREVENTER FOR WATER SUPPLY TO STAND PIPE WITH QUICK FILL FIRE HOSE CONNECTION. REFER TO 1ST FLOOR PLUMBING PLAN FOR CONTINUATION.
- 486 ROUTE 3/4" CW LINE DOWN IN WALL. CONNECT TO OWNER PROVIDED ICE MAKER PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 487 REDUCED PRESSURE BACKFLOW PREVENTER FOR WATER SUPPLY TO ICE MAKER. PIPE DRAIN LINE FULL SIZE TO SERVICE SINK.
- 488 REDUCED PRESSURE BACKFLOW PREVENTER FOR WATER SUPPLY TO COFFEE MAKER. PIPE DRAIN LINE FULL SIZE TO SERVICE SINK.
- 489 PROVIDE 1-1/2" SUB-METER ON THE DOMESTIC HOT WATER SYSTEM.
- 490 PROVIDE 2" WATER METER ON 2" DOMESTIC WATER SERVICE. WATER METER TO BE LOCATED DOWNSTREAM OF FIRE RISER.
- 492 ROUTE 1/2" CW LINE UP IN WALL ABOVE. REFER TO 2ND FLOOR PLUMBING PLAN FOR CONTINUATION.
- 493 ROUTE 1/2" LOW PRESSURE GAS LINE TO BBQ STUBOUT LOCATED BEHIND APARATUS STORAGE.
- 494 ROUTE 1", 2 PSI GAS LINE TO EACH BOILER (TYP. OF 4). INSTALL GAS REGULATOR AND CONNECT TO BOILER PER DETAIL.
- 495 RACK REDUCED PRESSURE BACKFLOW PREVENTERS ON NORTH WALL. SHOWN HERE FOR CLARITY ONLY.
- 497 ROUTE 1" MEDIUM PRESSURE GAS LINE UNDER SIDEWALK TO EMERGENCY GAS GENERATOR. PROVIDE GAS REGULATOR (2 PSI TO 70 PSI) AT GENERATOR.
- 499 HOT AND COLD WATER ROUTED TO EXTRACTOR. PROVIDE SHUT-OFF VALVES CHECK VALVES AND CONNECT TO EXTRACTOR PER MANUFACTURER'S GUIDELINES. SEE WATER CONNECTION DETAIL.
- 501 FIRE SPRINKLER LINE TO BE SIZED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR. FIRE SPRINKLER CONTRACTOR SHALL DESIGN THE FIRE SPRINKLER SYSTEM ACCORDING TO THE STATIC PRESSURE AND FLOWS AVAILABLE AS PROVIDED BY THE LOCAL WATER UTILITY COMPANY. FIRE LINE CONNECTION TO MAIN WATER SERVICE SHALL MEET STATE AND LOCAL UTILITY REQUIREMENTS.
- 502 FIRE SPRINKLER RISER LOCATION. FIRE RISER SHALL PROVIDE A COMPLETE SPRINKLER SYSTEM THAT INCLUDES A TAMPER SWITCH, FLOW SWITCH, ALARM BELL, FIRE DEPARTMENT CONNECTION, AND POST INDICATOR VALVE (PIV). SEE FLOOR PLAN FOR FDC LOCATION.

COLE  
ARCHITECTS

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SHEET NAME

234 S. WHISPERWOOD WAY  
BOISE, IDAHO 83709  
(208) 384-0585  
PROJECT #19-366

PLUMBING WATER  
AND GAS PLAN -  
LEVEL 01

KETCHUM  
FIRE  
STATION

107 SADDLE ROAD, KETCHUM ID 83353

ISSUES

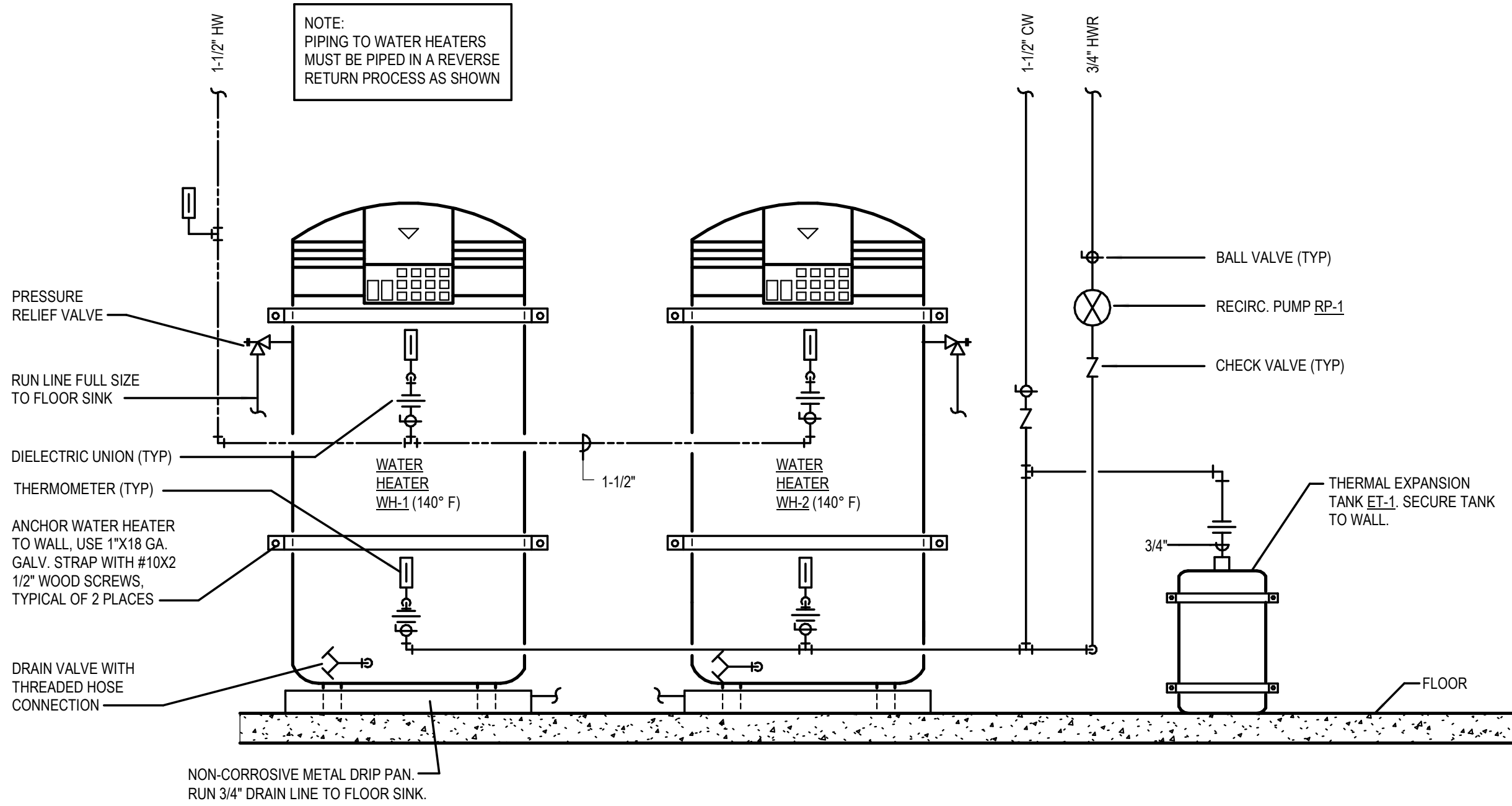
PHASE	CONSTRUCTION SET
DATE	6/19/2020
JOB NUMBER	18-022

MARK	DATE	DESCRIPTION
6	8/17/20	ASI #2
7	9/2/20	RFI #CC-62

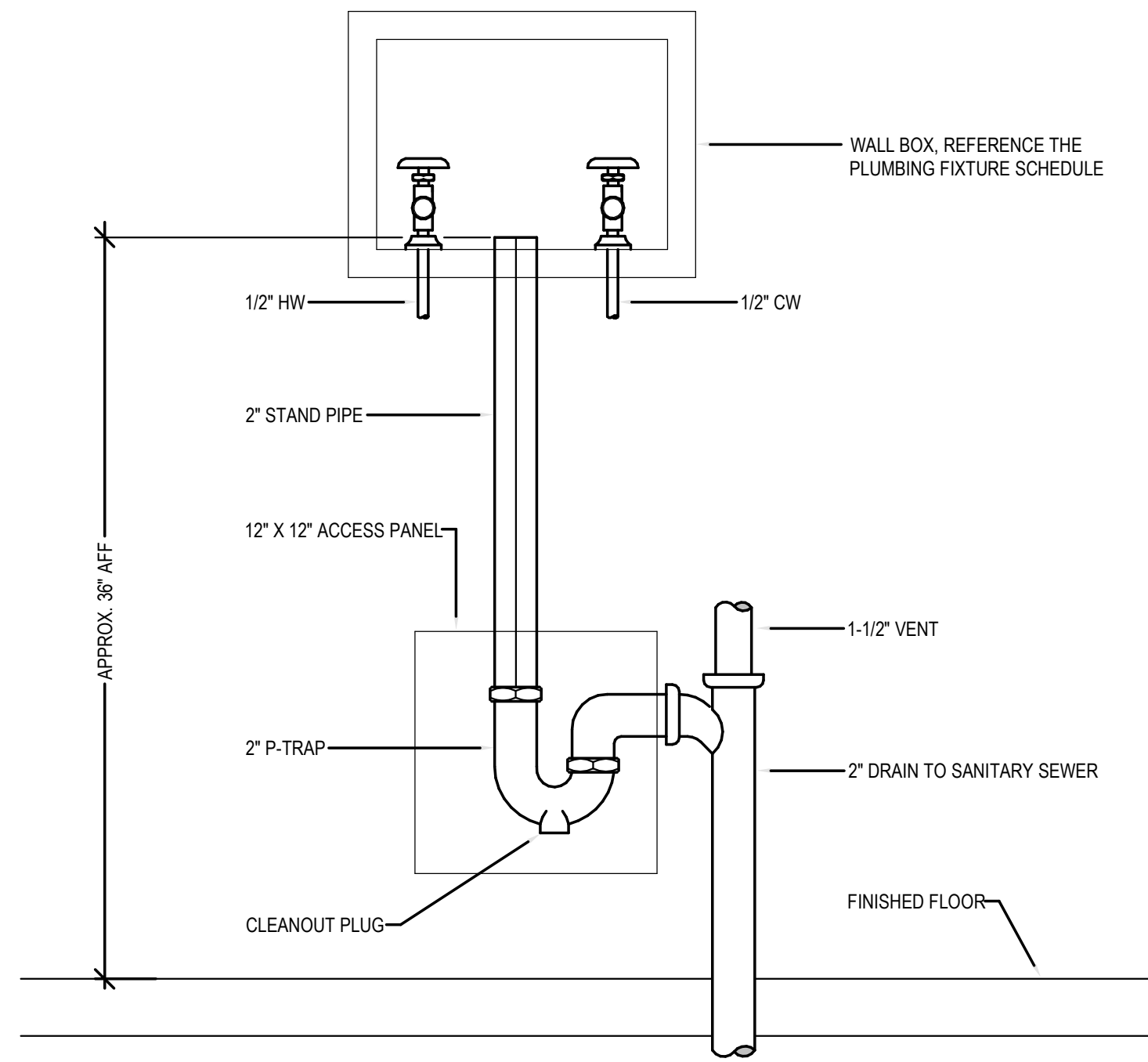
SHEET NUMBER

P2.00

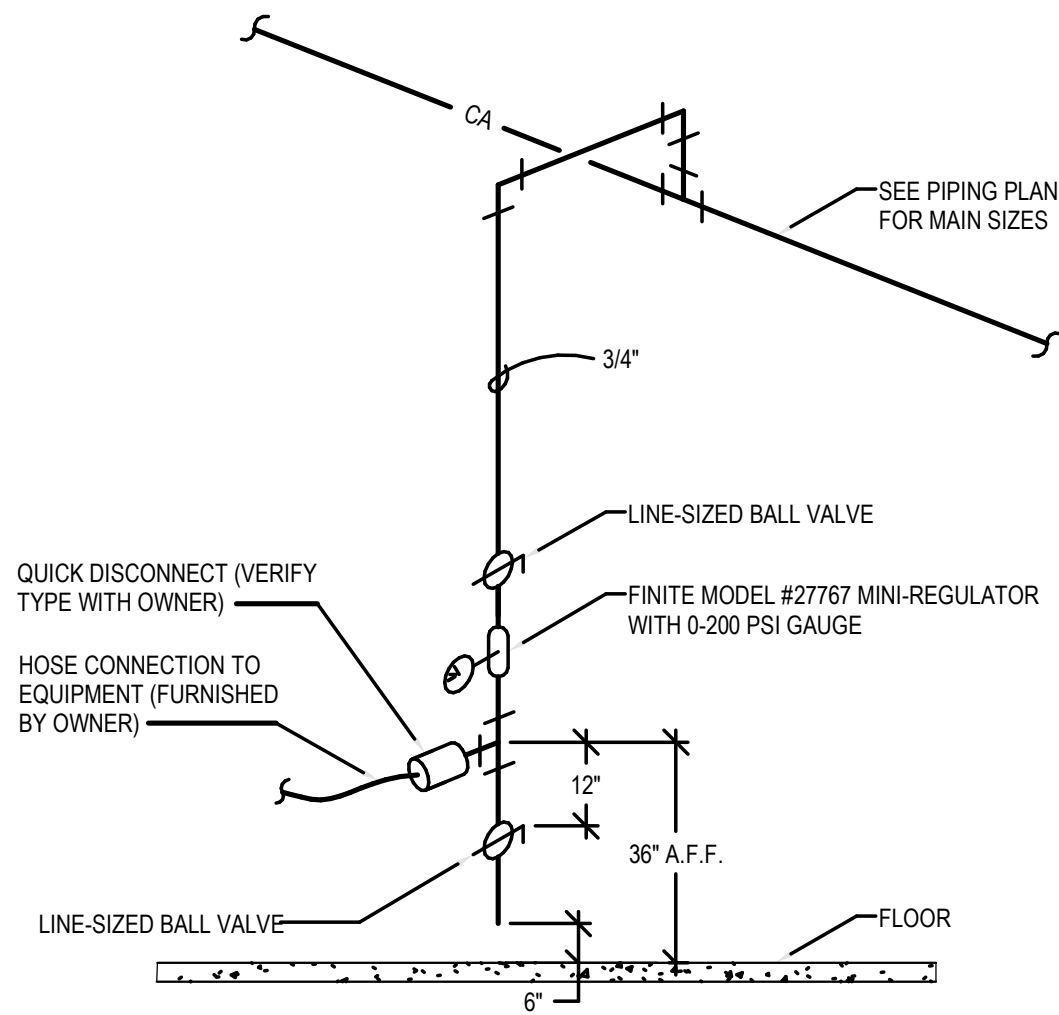




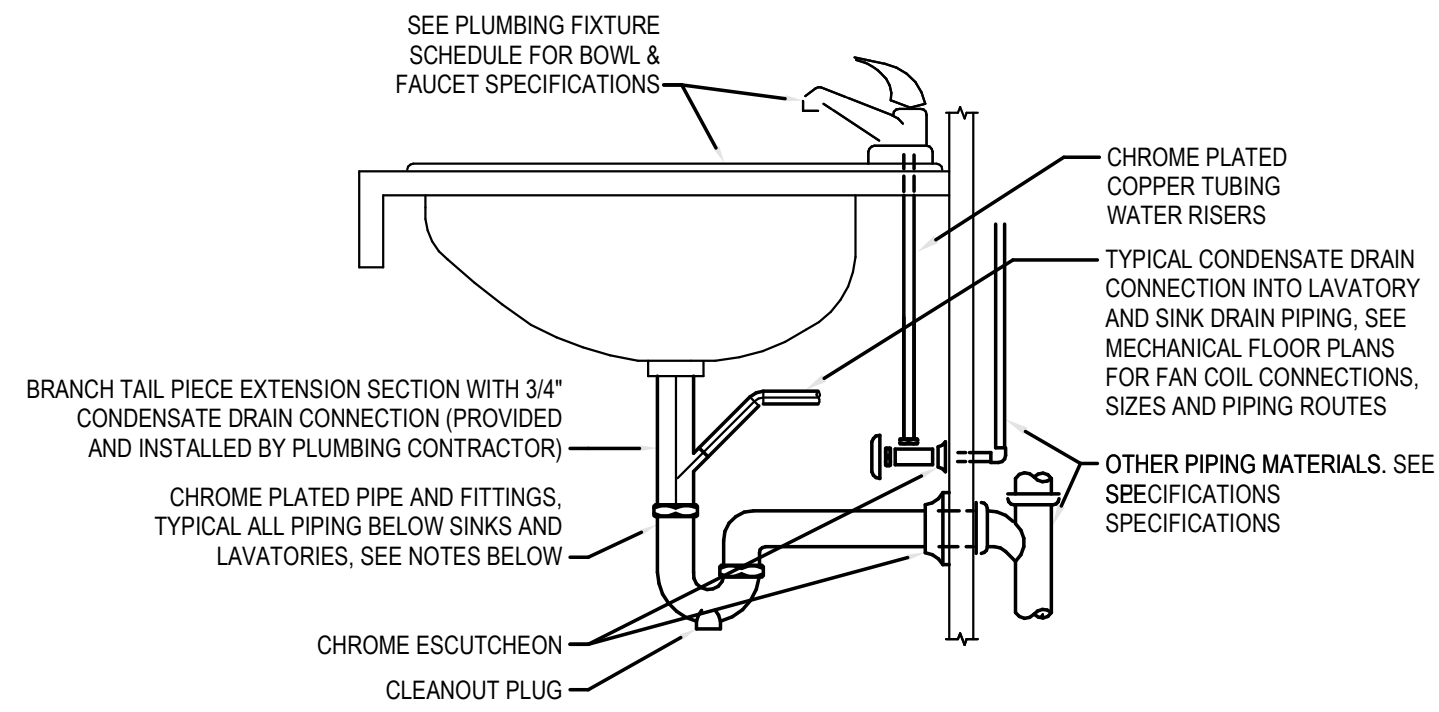
**1 ELECTRIC GAS WATER HEATER PIPING DETAIL**  
SCALE | NTS



**3 WASHING MACHINE HOOK-UP DETAIL**  
SCALE | NTS

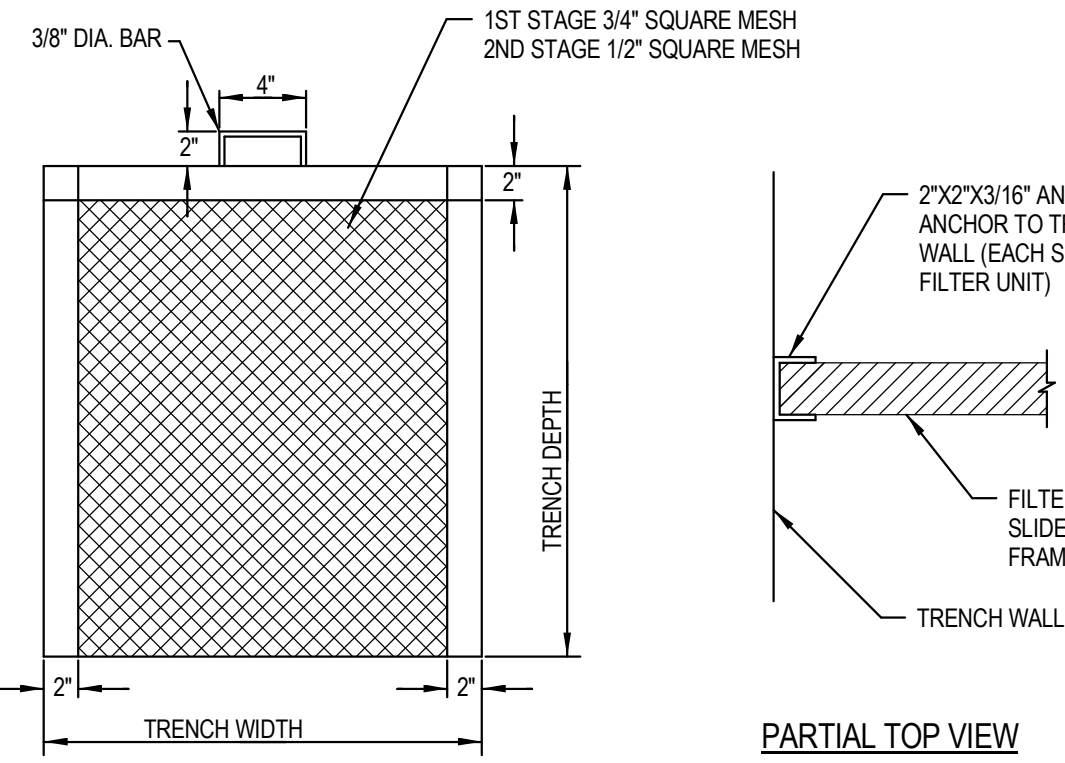
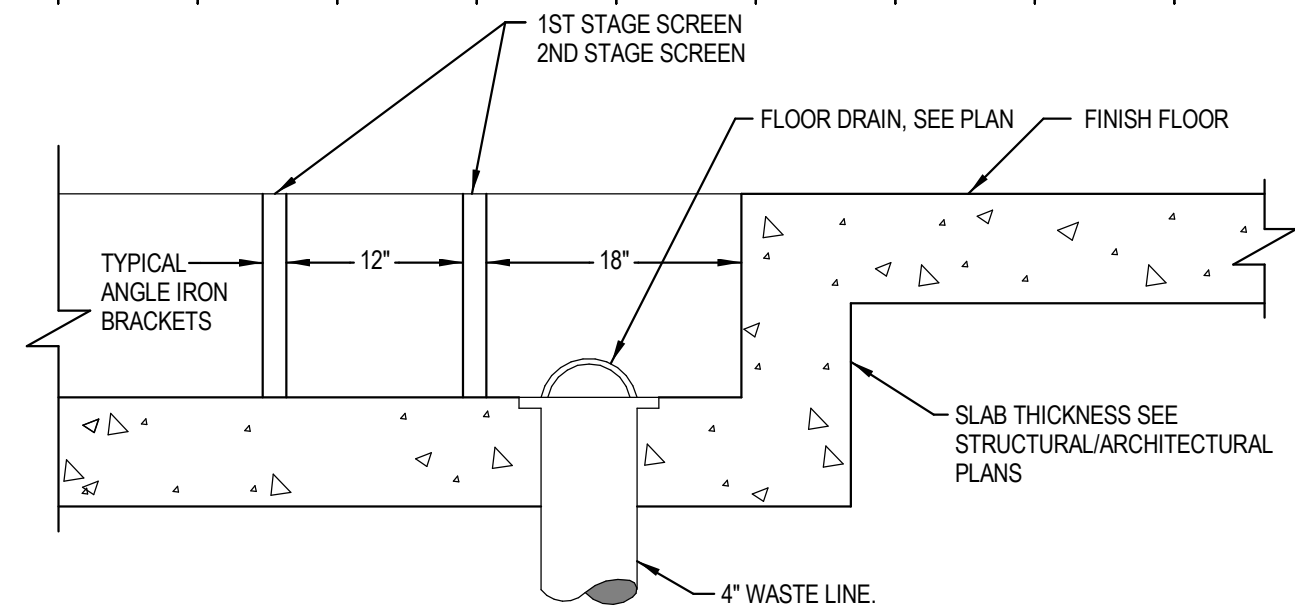


**4 COMPRESSED AIR DETAIL**  
SCALE | NTS

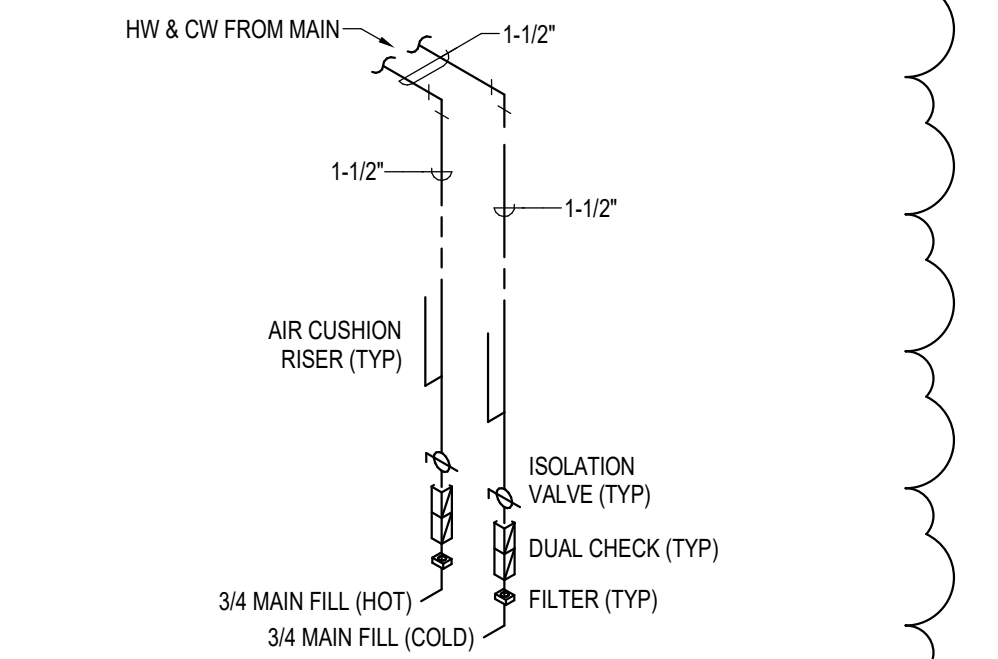


- NOTES:
- INTERIOR EXPOSED PIPE, VALVES AND FIXTURE TRIM, INCLUDING TRIM BEHIND CASEWORK DOORS, SHALL BE CHROME PLATED.
  - ALL PIPING PENETRATIONS THROUGH FINISHED WALLS SHALL BE PROVIDED WITH CHROME ESCUTCHEONS.
  - ALL SINK AND LAVATORY TRAPS SHALL BE PROVIDED WITH A CLEANOUT PLUG IN THE BOTTOM OF THE TRAP.
  - ALL PLUMBING FIXTURES SHALL BE CAULKED AND SEALED TO SURROUNDING SURFACES.
  - PLUMBING CONTRACTOR SHALL VERIFY THE LOCATION OF ALL LAVATORIES AND SINKS THAT NEED TO BE INSTALLED WITH THE BRANCH TAIL PIECE SECTION WITH 3/4" DRAIN CONNECTION. THE PLUMBING CONTRACTOR WILL BE RESPONSIBLE TO VERIFY THE PLUMBING ROUGH-IN DIMENSIONS AND SHALL TAKE INTO ACCOUNT THE TAIL PIECE EXTENSION DIMENSIONS.

**2 SINK/LAVATORY TAILPIECE & TRAP DETAIL (W/ CONDENSATE)**  
SCALE | NTS



**5 COMMERCIAL LAUNDRY TRENCH DRAIN DETAIL**  
SCALE | NTS



**6 COMMERCIAL LAUNDRY PIPING DIAGRAM**  
SCALE | NTS



MARK	DATE	DESCRIPTION
7	9/2/20	RFI #CC-62



*Building. Growing. Leading. ...Since 1937.*

## Budget Evolution Item Summary

### City of Ketchum Fire Station #1

RFI-94 App Storage Structure Revisions

Date: 2/22/2021

Description: Revised Apparatus Storage Structure

SCOPE	SUBCONTRACTOR	AMOUNT
Revised footings and SOG	Garrett Concrete	\$ (575.00)
Revised App Storage Steel	Rule Steel	\$ (2,891.00)
SUBTOTAL:		\$ (3,466.00)
SUBTOTAL reflects direct costs only on the presumption that costs will come from allowances. If costs are reimbursed by Change Order, TOTAL AMOUNT below reflects the SUBTOTAL with add of agreed upon markup in accordance with the change order pricing.		
Bond and Insurance	CORE	\$ (72.00)
CMAR FEE	CORE	\$ (154.00)
Sales Tax	CORE	\$ -
TOTAL AMOUNT:		\$ (3,692.00)

## Chris Schratwieser

---

**From:** Pat Garrett <garrettpat1963@gmail.com>  
**Sent:** Friday, February 19, 2021 2:25 PM  
**To:** Chris Schratwieser  
**Subject:** Parking Co

Value of org bid \$23,703.11

Value of the new structure \$23,127.76

Credit \$ 575.35

if you need work sheets please let me know

## Change Order Request Summary

Project: Ketchum Fire Station 1

Subcontractor: Rule Steel

Date: January 7, 2021

Reference: RFI #CC-94

C/O Req. No.: 12

Description: Rev'd patio canopy from a column supported frame to a cable supported frame.

Material:

Item Description	Quantity	Unit Price	Extended
WF (in)		\$0.78	\$ -
WF (out)		\$0.78	\$ -
C (in)		\$0.90	\$ -
C (out)		\$0.90	\$ -
MC (in)		\$1.14	\$ -
MC (out)		\$1.14	\$ -
PL (in)	504	\$0.78	\$ 393.12
PL (out)	(1164)	\$0.78	\$ (907.92)
FB (in)		\$0.78	\$ -
FB (out)		\$0.78	\$ -
L (in)		\$0.78	\$ -
L (out)	(260)	\$0.78	\$ (202.80)
HSS (in)	760	\$0.84	\$ 638.40
HSS (out)	(2546)	\$0.84	\$ (2,138.64)
Pipe (in)		\$1.02	\$ -
Pipe (out)		\$1.02	\$ -
Rod (in)		\$0.78	\$ -
Rod (out)		\$0.78	\$ -
Hardware (in)		lump	\$ 451.95
Hardware (out)		lump	\$ (62.20)
Paint Material (in)		lump	\$ -
Paint Material (out)		lump	\$ -
	(2,706)	<b>Total Mat.</b>	\$ (1,828.09)

Shop Hours (net):  
Detailing (net) include field meas.  
Painting Labor (net):  
Blasting Labor (net):  
Freight (net):

Hours	Rate/Hr	Extended
-3.00	\$ 70.00	\$ (210.00)
0.00	\$ 75.00	\$ -
0.00	\$ 60.00	\$ -
0.00	\$ 115.00	\$ -
	lump	\$ 50.00
	<b>Total Shop</b>	\$ (160.00)

Subcontractor

Subcontractor	Work Description	Quote Amount
DMS	No Credit	\$ -
Suppliers	Work Description	Quote Amount
SEI	Deck/Joists	\$ (217.50)
Valmont	Galvanizing	\$ (465.89)
Wooster	Nosings	\$ -
	<b>Sub Total</b>	\$ (683.39)
	<b>10% mkup</b>	\$ (68.34)
	<b>Total Subcontractor/Supplier</b>	\$ (751.72)

**Change Order Request Amount**

**Sales Tax 6% (on material and suppliers)**

**Additional Bond Cost**

\$ (2,739.81)
\$ (150.69)
\$ -



**Total Change Order Request - Rounded**  
**Added time to schedule - working days**

\$ (2,891.00)
---------------

**Notes:**

- 1) Canopy was reduced in size.
- 2) No credit for Erection - The added tie rods cancel out the removed columns
- 3)
- 4)



Regional office for CORE NV company  
777 N 4th St  
Bosie, Idaho 83702

Project: 5-20-01-006 - CoK - City of Ketchum Fire Station  
107 Saddle Road  
Ketchum, Idaho 83353

## Patio Columns per ASI 3

TO:	Alex Goedhart (Cole Architects) Crystal McColly (Cole Architects)	FROM:	JT Brown (CORE Construction - Las Vegas) 777 N Fourth St Boise, Idaho 83702
DATE INITIATED:	10/22/2020	STATUS:	Open
LOCATION:		DUE DATE:	10/29/2020
PROJECT STAGE:	Course of Construction	COST CODE:	
COST IMPACT:	Yes (Unknown)	SCHEDULE IMPACT:	Yes (Unknown)
DRAWING NUMBER:	1/A1.01, S2.01	SPEC SECTION:	
LINKED DRAWINGS:		REFERENCE:	

RECEIVED FROM: JT Brown (CORE Construction - Las Vegas)

### COPIES TO:

Ron Allen (Rule Steel), JT Brown (CORE Construction - Las Vegas), Grant Gager (City of Ketchum), Grady Garrett (Garrett Construction, Inc), Pat Garrett (Garrett Construction, Inc), Alan Gelet (Garrett Construction, Inc), Cary Goldberg (DPPM Project Management), Jimmy Gyorfy (Magic Valley Electric), Jonathan Lunceford (Lunceford Excavation, Inc), Bill McLaughlin (City of Ketchum), Dennis Potts (DPPM Project Management), Billy Salts (Magic Valley Electric), Chris Schratwieser (CORE Construction - Las Vegas), Matt Sylvester (CORE Construction - Las Vegas)

### Question from JT Brown (CORE Construction - Las Vegas) at 01:51 PM on 10/22/2020

Per ASI 3 the patio columns were not eliminated but moved closer to the Covered Parking (Apparatus Storage) Building. The high voltage conduits coming off of the transformer and the low voltage conduit coming off the pedestals next to the transformer angled north and then entered the building as shown in the attached sketch. Please confirm if the conduits need to be moved or if the columns can be moved. A suggestion would be to move both columns south 2 feet and the east column west 5' and the footings should clear the conduits.

### Attachments:

[Patio Columns per ASI- Sketch.pdf](#)

Awaiting an Official Response

See attached updated structural and architectural sheets showing the exterior canopy updates including structure, dimensions and details.

S2.01 - FOUNDATION PLAN

S2.02 - LEVEL 2 - FRAMING PLAN

S3.03 - WALL SECTIONS

S6.04 - TYPICAL STEEL DETAILS

A1.01 - ARCHITECTURAL SITE DETAILS - Updated Details 3 & 8. Details 4 & 6 not used.

A3.00 - EXTERIOR ELEVATIONS

A4.00 - BUILDING SECTIONS

A7.00 - ROOF PLAN

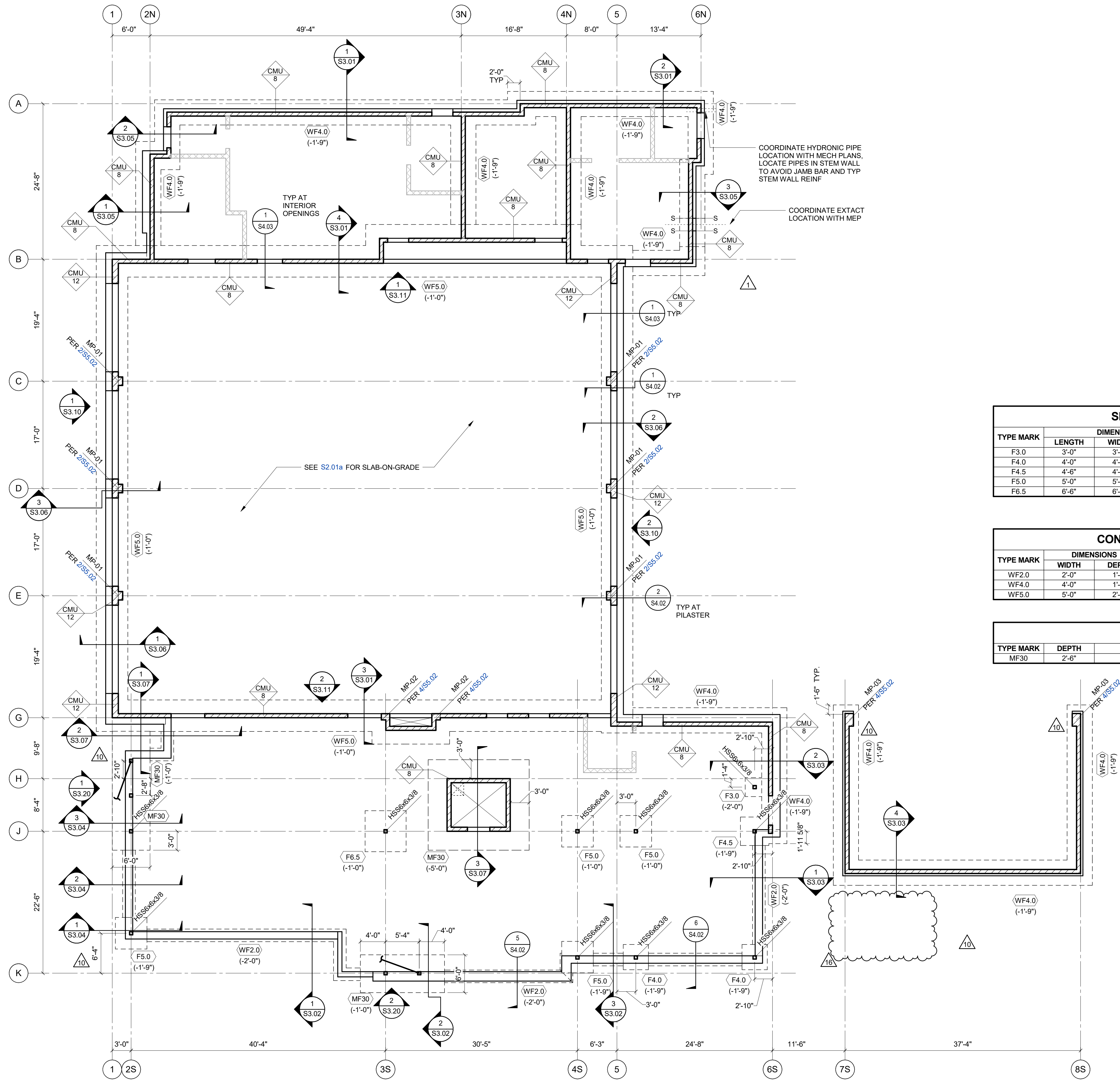
The updated design will have no columns and not conflict with the underground conduits.

Crystal McColly  
Cole Architects  
12/15/20

BY

DATE

COPIES TO



- FOUNDATION PLAN NOTES:**
- SEE SHEET [S0.01](#) AND [S0.02](#) FOR GENERAL NOTES.
  - SEE SHEET [S2.01a](#) FOR SLAB ON GRADE AND CONTROL JOINTS.
  - SEE SHEET S4.00 SERIES FOR TYPICAL CONCRETE DETAILS.
  - GEOTECHNICAL ENGINEER SHALL OBSERVE THE FOUNDATION EXCAVATIONS PRIOR TO THE PLACEMENT OF REINFORCING STEEL.
  - COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ALL UNDER-SLAB UTILITY LOCATIONS, TRENCHES AND FLOOR SINKS. ALL UTILITIES THAT CROSS FOUNDATIONS SHALL BE PLACED BELOW FOOTINGS PER [4/S4.01](#)
  - WHERE OPENINGS ARE REQUIRED IN SLAB-ON-GRADE SEE [5/S4.04](#)
  - FOR COLUMN BASE PLATE INFO SEE [4/S6.01](#)

- FOUNDATION PLAN SYMBOLS:**
- - 
  - 
  - 
  - 
  -

SPREAD FOOTING SCHEDULE					
TYPE MARK	DIMENSIONS			REINFORCING	TYPE COMMENTS
	LENGTH	WIDTH	DEPTH		
F3.0	3'-0"	3'-0"	1'-0"	(3) - #5 EW	-
F4.0	4'-0"	4'-0"	1'-3"	(4) - #5 EW	-
F4.5	4'-6"	4'-6"	1'-3"	(5) - #5 EW	-
F5.0	5'-0"	5'-0"	1'-3"	(5) - #6 EW	-
F6.5	6'-6"	6'-6"	1'-9"	(7) - #6 EW	-

CONTINUOUS FOOTING SCHEDULE				
TYPE MARK	DIMENSIONS		REINFORCING	TYPE COMMENTS
	WIDTH	DEPTH		
WF2.0	2'-0"	1'-0"	(3) #5 CONT & #5 @ 12" OC TRANSVERSE	-
WF4.0	4'-0"	1'-3"	(4) #5 CONT & #5 @ 12" OC TRANSVERSE	-
WF5.0	5'-0"	2'-0"	(5) #6 CONT & #6 @ 12" OC TRANSVERSE	T&B

MAT FOOTING SCHEDULE			
TYPE MARK	DEPTH	REINFORCING	TYPE COMMENTS
MF30	2'-6"	#6 @ 12" OC	T & B

**1 FOUNDATION PLAN**  
1/8" = 1'-0"



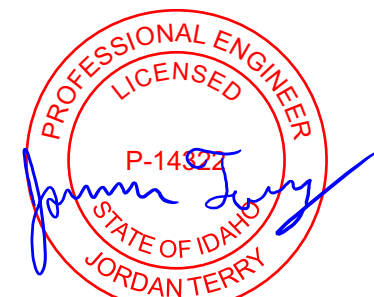
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Boise, ID 84010  
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PROJECT INFORMATION



**KETCHUM FIRE STATION**

SADDLE ROAD  
KETCHUM, ID 83353

ISSUES

PHASE CONSTRUCTION SET

DATE 6/19/20

JOB NUMBER 10211900175

MARK	DATE	DESCRIPTION
1	7/17/2020	ASI #1
10	10/8/2020	ASI #3
16	12/15/20	RFI CCH#4

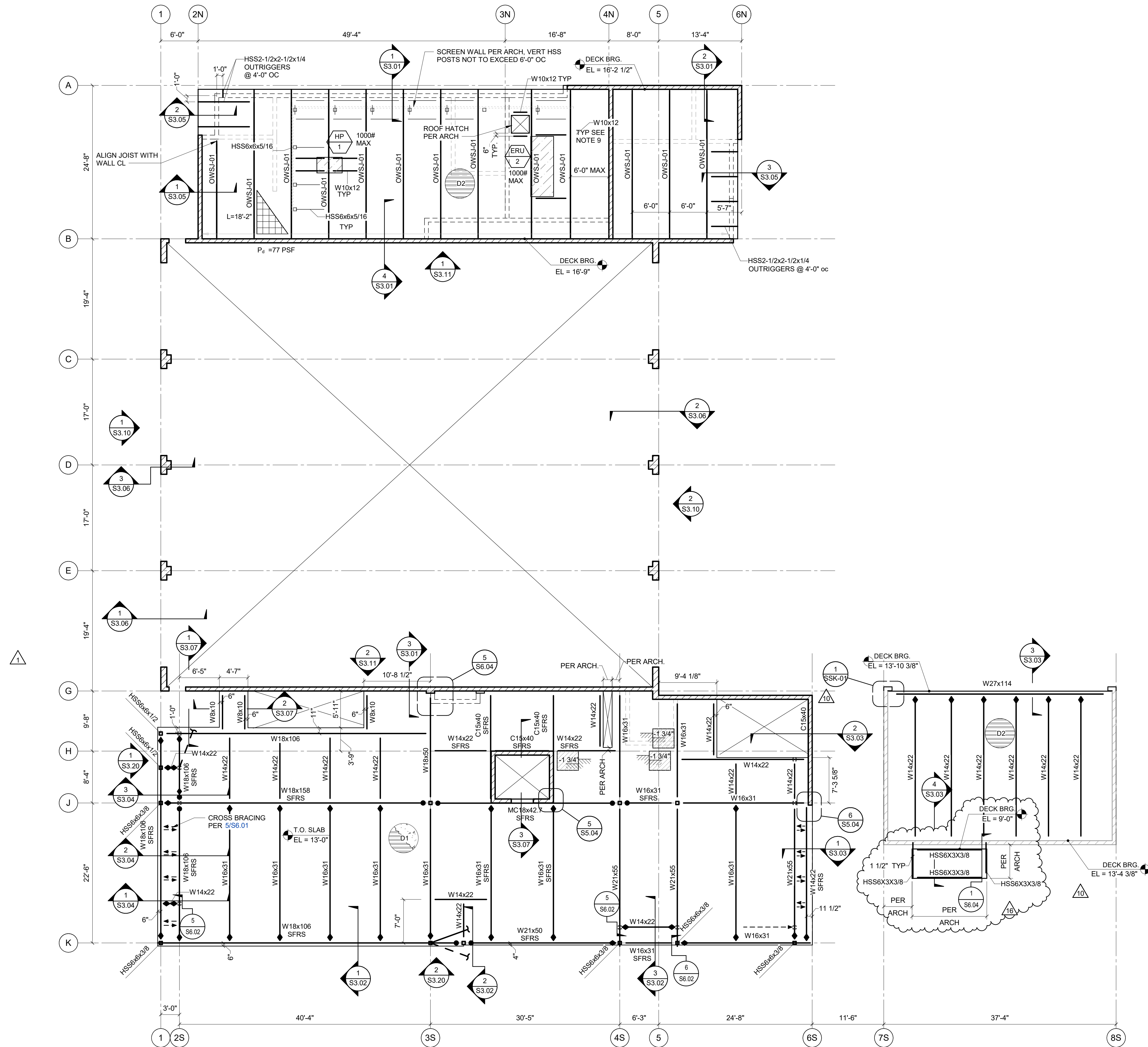
SHEET NAME

FOUNDATION PLAN

SHEET NUMBER

**S2.01**





1 LEVEL 2 FRAMING PLAN  
1/8" = 1'-0"

TYPICAL STEEL FRAMING NOTES:

1. SEE S0.00 SERIES FOR GENERAL NOTES.
2. SEE S5.00 SERIES FOR TYPICAL CMU DETAILS.
3. SEE S6.00 SERIES FOR TYPICAL STEEL DETAILS.
4. ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN COLUMNS UNLESS NOTED OTHERWISE
5. FOR TYPICAL REINFORCING AT STRUCTURAL CMU WALLS SEE 1/S5.01
6. ALL STEEL EXPOSED TO VIEW SHALL BE HOT DIP GALVANIZED OR PRIMED & PAINTED PER ARCH REQUIREMENTS.
7. SEE OPEN WEB STEEL JOIST SECTION IN THE GENERAL NOTES FOR LOAD LAYOUT AND ADDITIONAL DESIGN LOADS.
8. DESIGN FOR APPARATUS BAY ROOF AND COVERED PARKING INCLUDES ALLOWANCE OF 8 PSF FOR FUTURE BALLASTED PHOTOVOLTAIC SYSTEM.
9. COORDINATE EXACT MEP UNIT LOCATION WITH MECH, ALIGN WF FRAMING UNDER UNITS, TYP

TYPICAL STEEL FRAMING NOTES:

1. T.O. SLAB  
EL = X'-X" INDICATES TOP OF SLAB OR DECK ELEVATION.
2. -X" INDICATES FLOOR ELEVATION CHANGE.
3. D14- INDICATES DECK TYPE. SEE DETAIL 1/S6.20
4. INDICATES DRAG CONNECTION SEE SCHEDULE ON DETAIL 1/S6.02 & 3/S6.02
5. INDICATES FULL HEIGHT STIFFENER PER DET6/S6.01 AT WF BEAMS OR 9/S6.10 AT OWSJ.
6. INDICATES BEAM LATERAL BRACE PER DETAIL 5/S6.01
7. SFRS INDICATES SEISMIC FORCE RESISTING SYSTEM MEMBERS.
8. OWSJ-XX INDICATES OPEN WEB STEEL JOIST BY CONTRACTOR SEE S0.02 FOR REQUIREMENTS
9. INDICATES CMU BEARING WALL. SEE WALL ELEV OR 1/S5.01 FOR REINF AS INDICATED.
10. INDICATES BEARING CMU WALL BELOW PER 1/S5.01
11. INDICATES NONBEARING CMU WALL BELOW PER 1/S5.10
12. INDICATES MAGNITUDE (Pd) AND LENGTH (L) OF SNOW DRIFT. SEE JOIST SCHEDULE FOR DESIGN REQUIREMENTS.
13. INDICATES LOCATION OF VEHICLE EXHAUST SYSTEM IN APPARATUS BAY. ATTACHED TO UNDERSIDE OF OWSJ. PROVIDE BRACING OF OWSJ BOTTOM FLANGE AT ATTACHMENT POINTS.
13. INDICATES SLAB DEPRESSION. PROVIDE SFRM BELOW DECK TO MAINTAIN FIRE RATING.



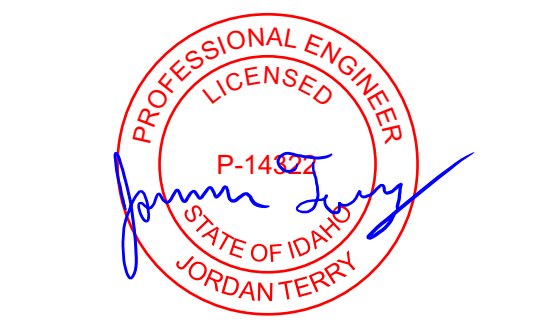
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PROJECT INFORMATION



KETCHUM FIRE STATION

SADDLE ROAD  
KETCHUM, ID 83353

ISSUES

PHASE	CONSTRUCTION SET
DATE	6/19/20
JOB NUMBER	10211900175

MARK	DATE	DESCRIPTION
1	7/17/2020	ASI #1
10	10/8/2020	ASI #3
16	12/15/20	RFI CC#94

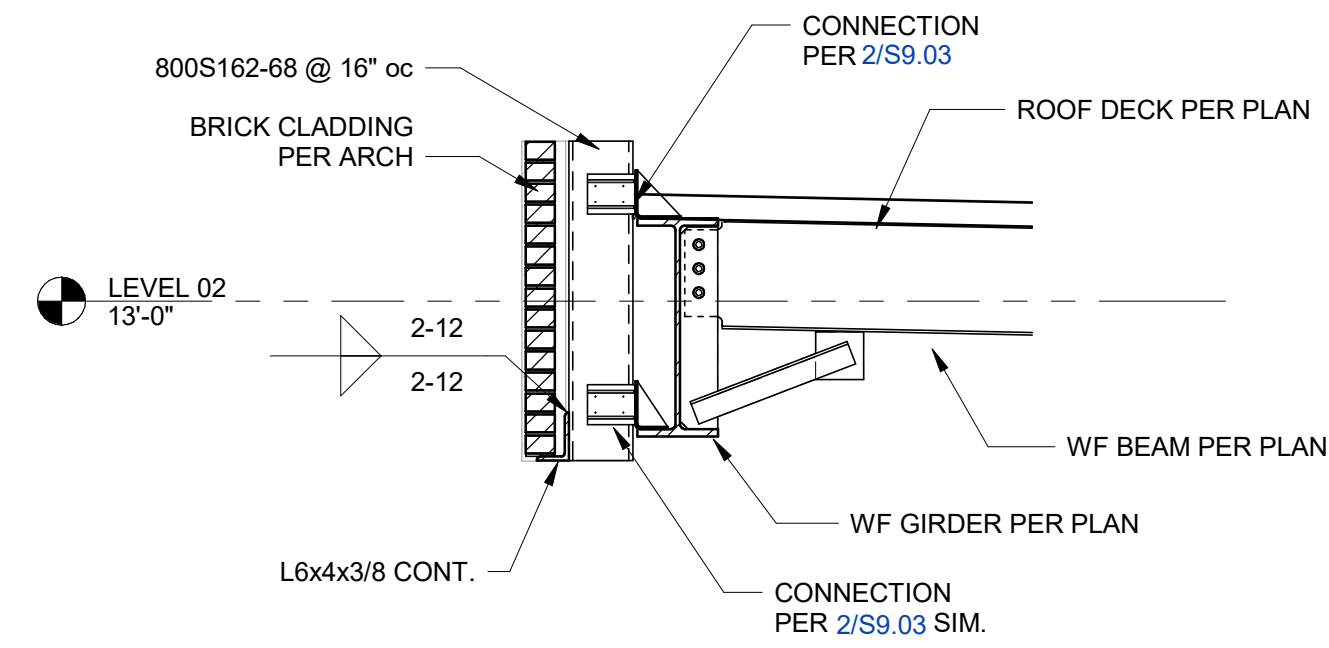
SHEET NAME

LEVEL 2 FRAMING PLAN

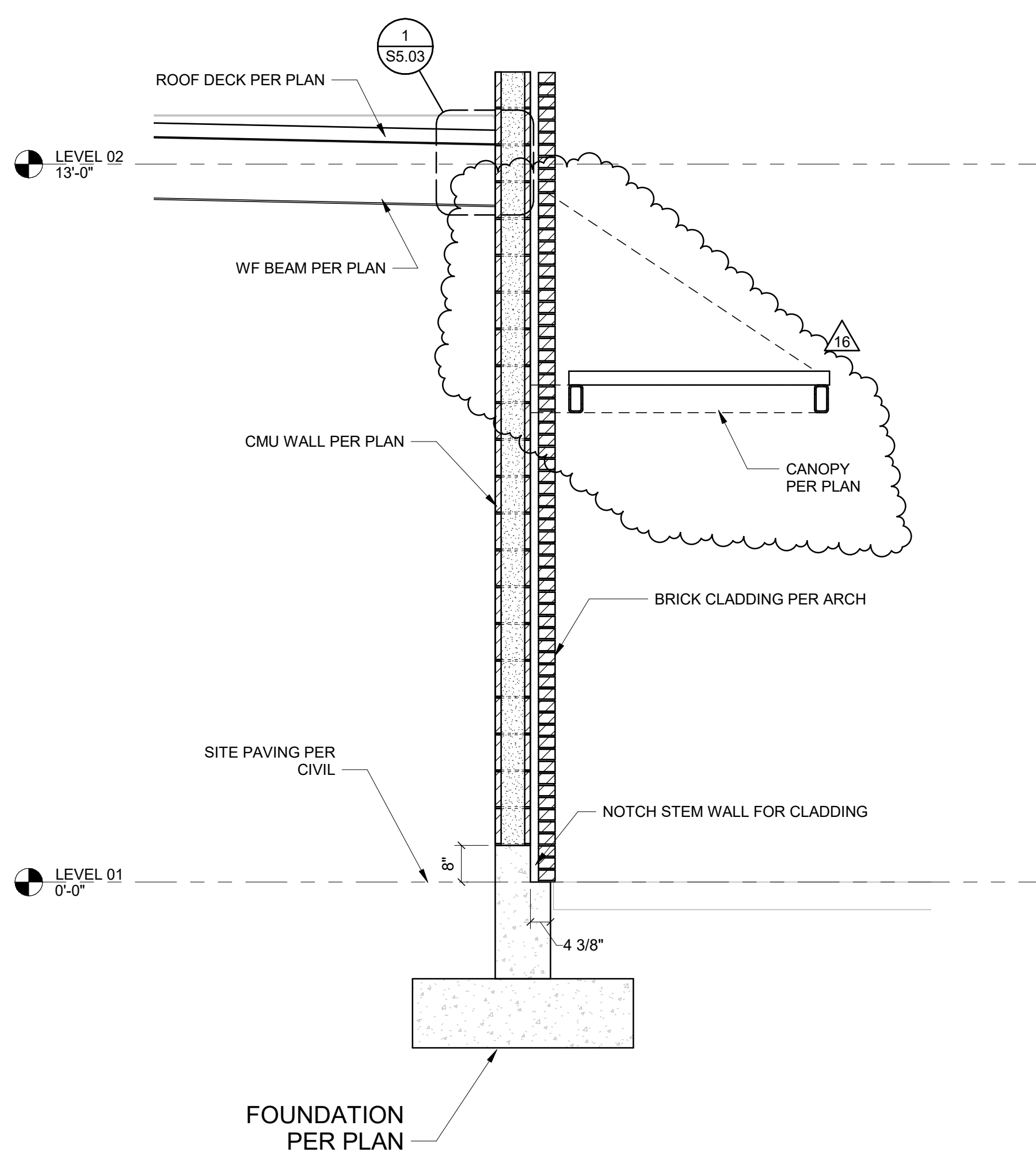
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S2.02

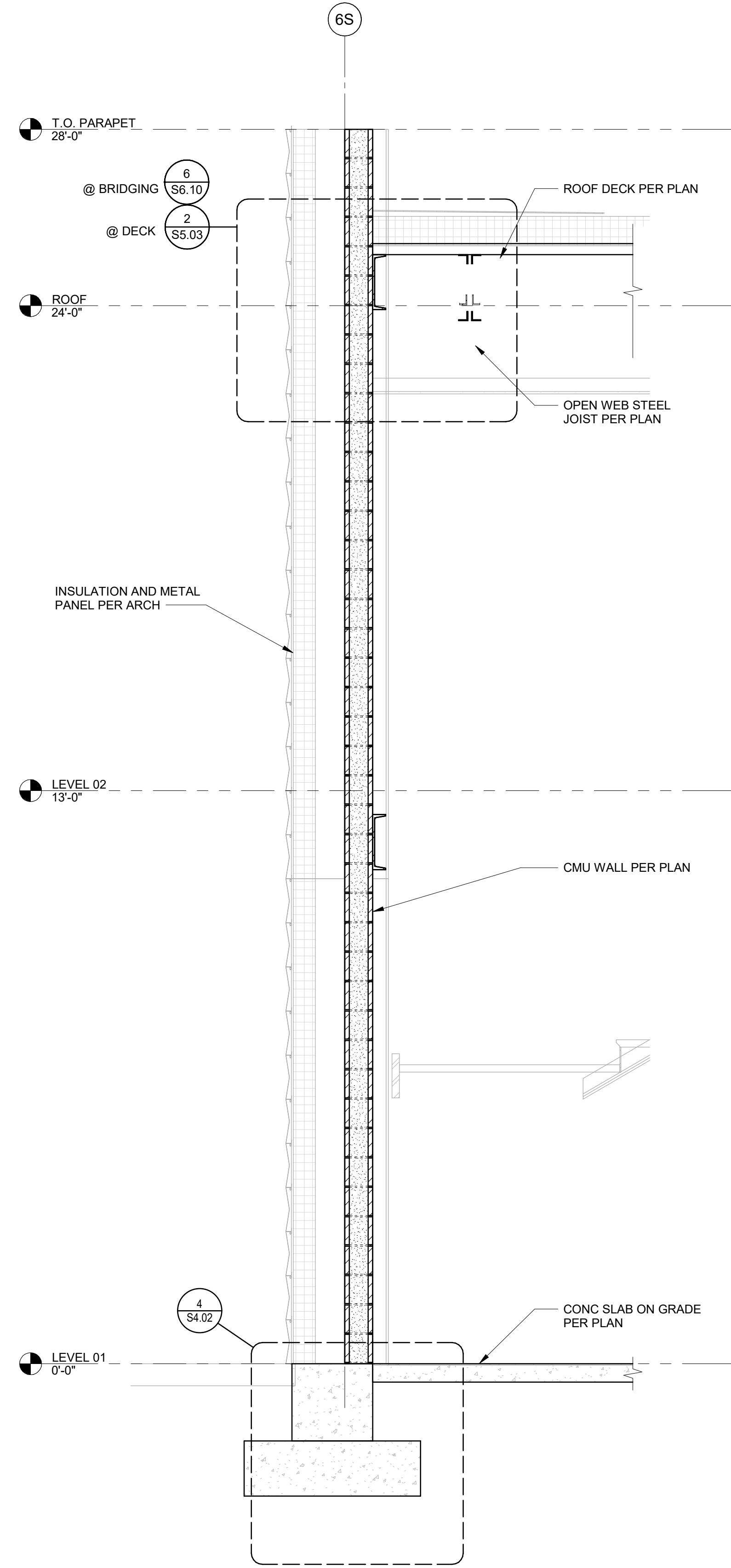




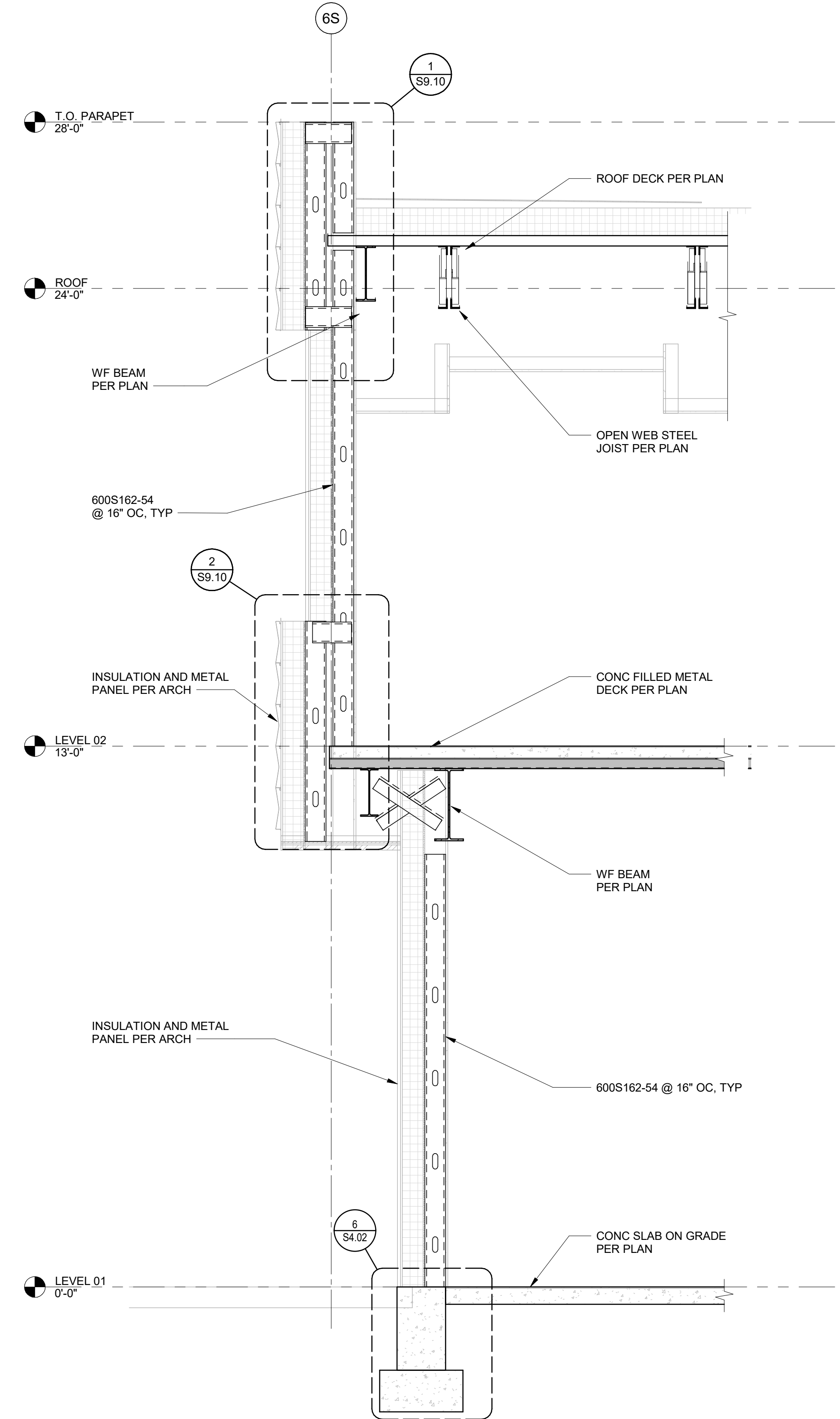
**3 SECTION**  
1/2" = 1'-0"



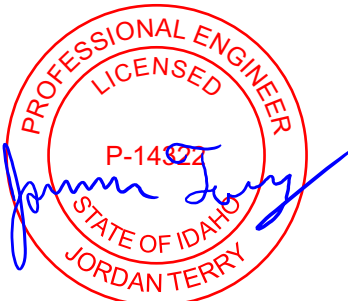
**4 SECTION**  
1/2" = 1'-0"



**2 SECTION**  
1/2" = 1'-0"

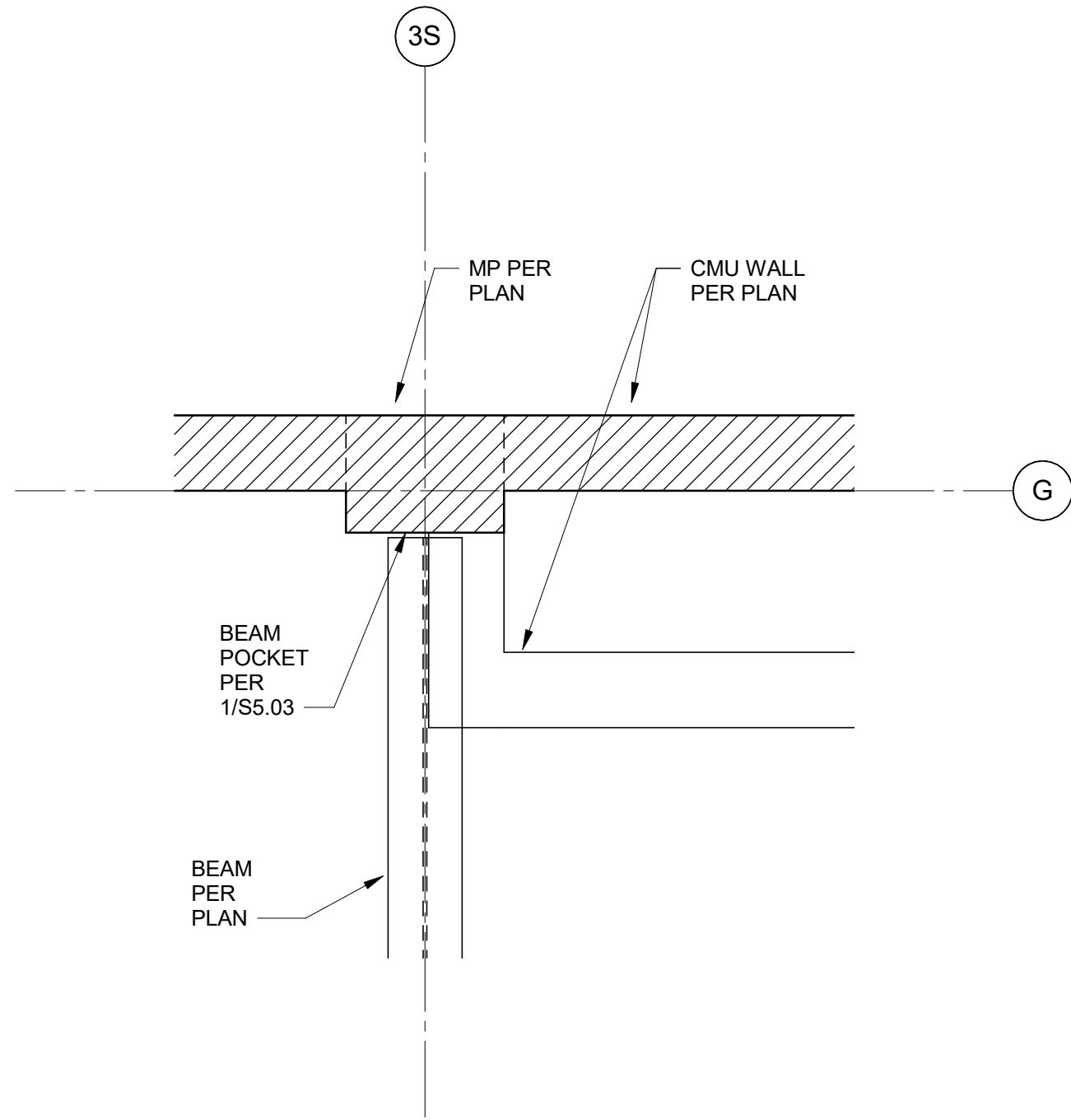


**1 SECTION**  
1/2" = 1'-0"

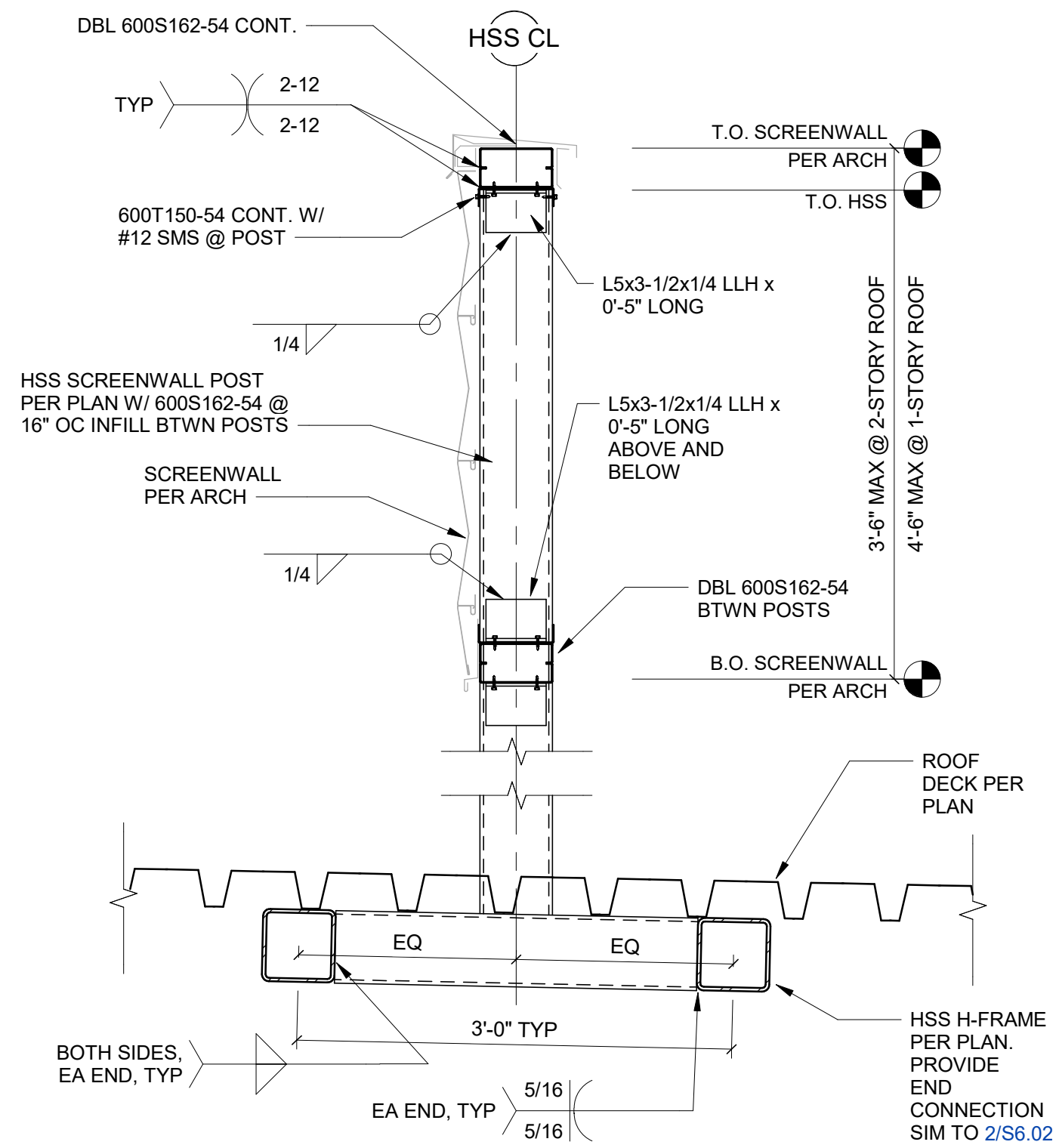


PHASE	CONSTRUCTION SET
DATE	6/19/20
JOB NUMBER	10211900175

MARK	DATE	DESCRIPTION
16	12/15/20	RFI CCH94

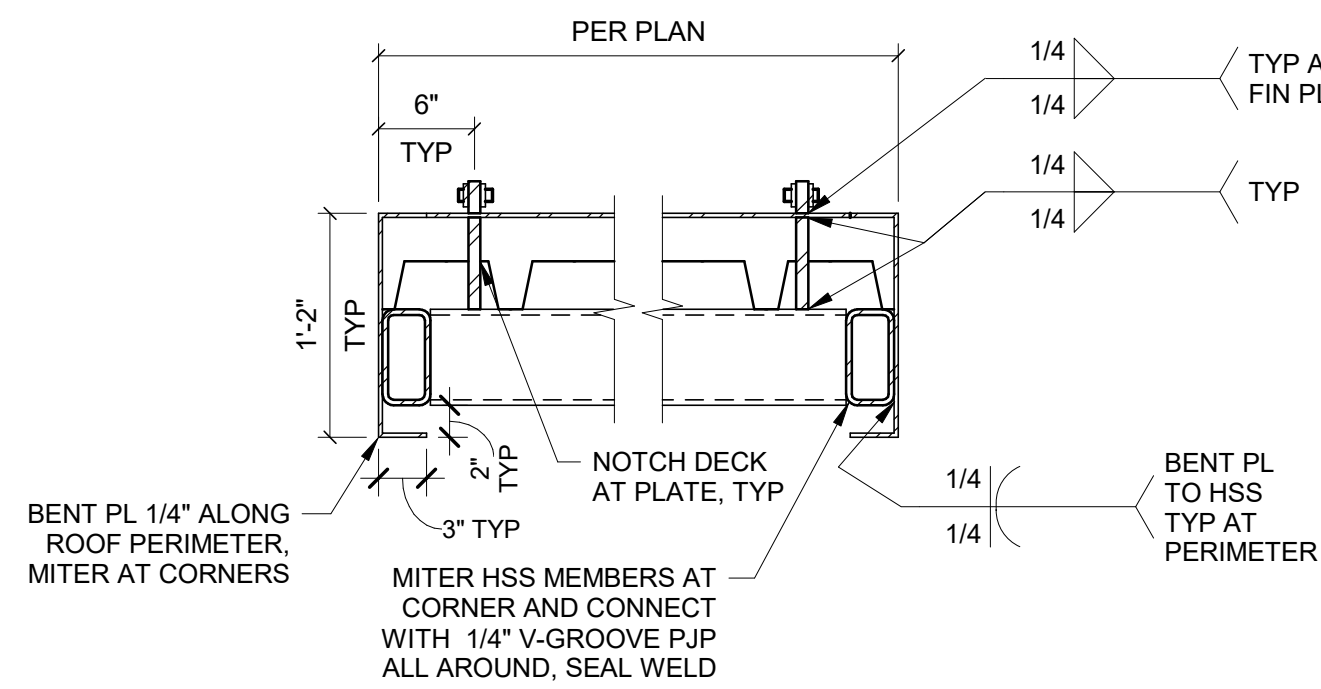
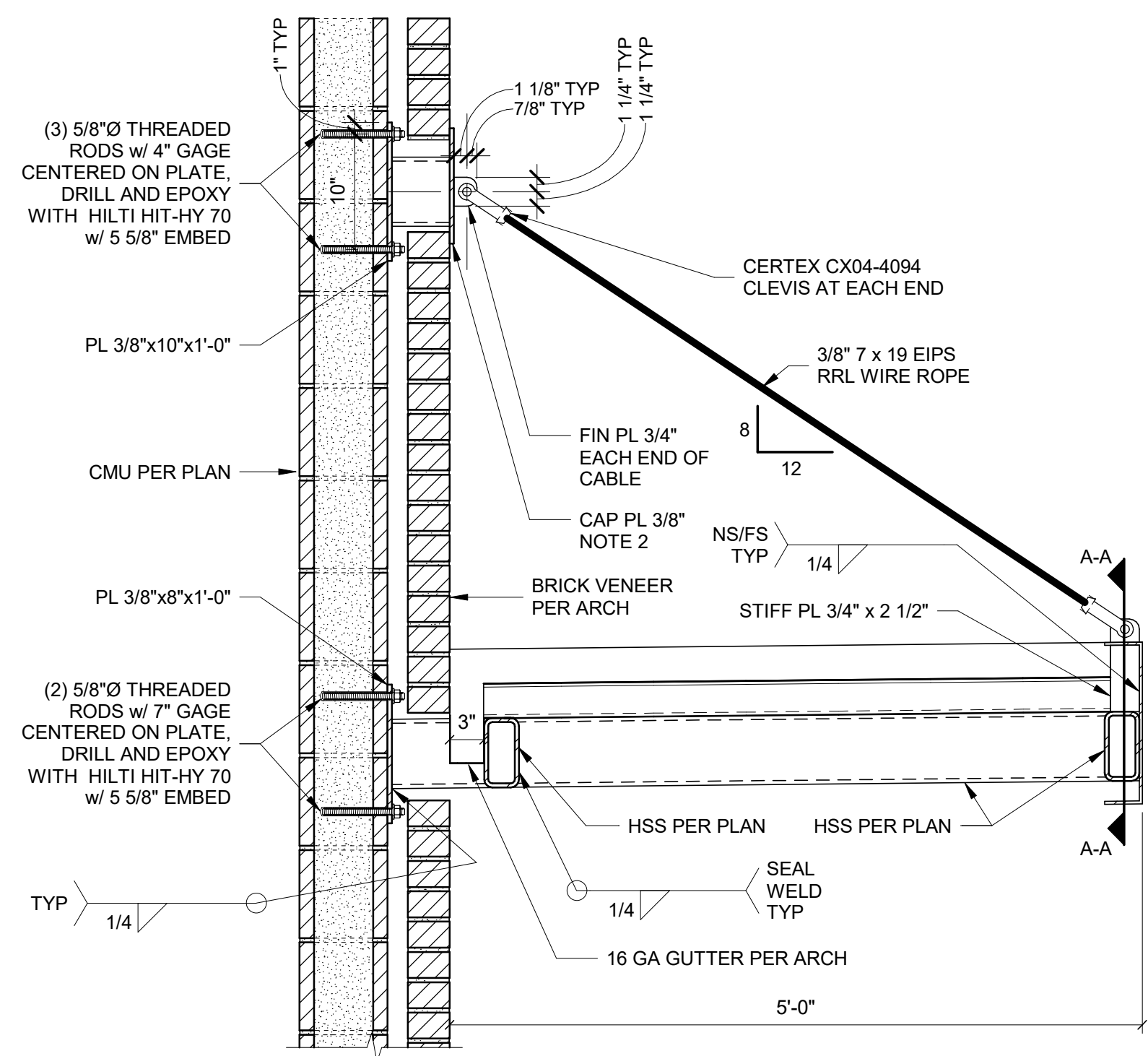


5 GRID 3S-G  
3/4" = 1'-0"



NOTE: JOIST, BUILT UP ROOFING NOT SHOWN FOR CLARITY

3 MECHANICAL SCREENWALL  
1" = 1'-0"



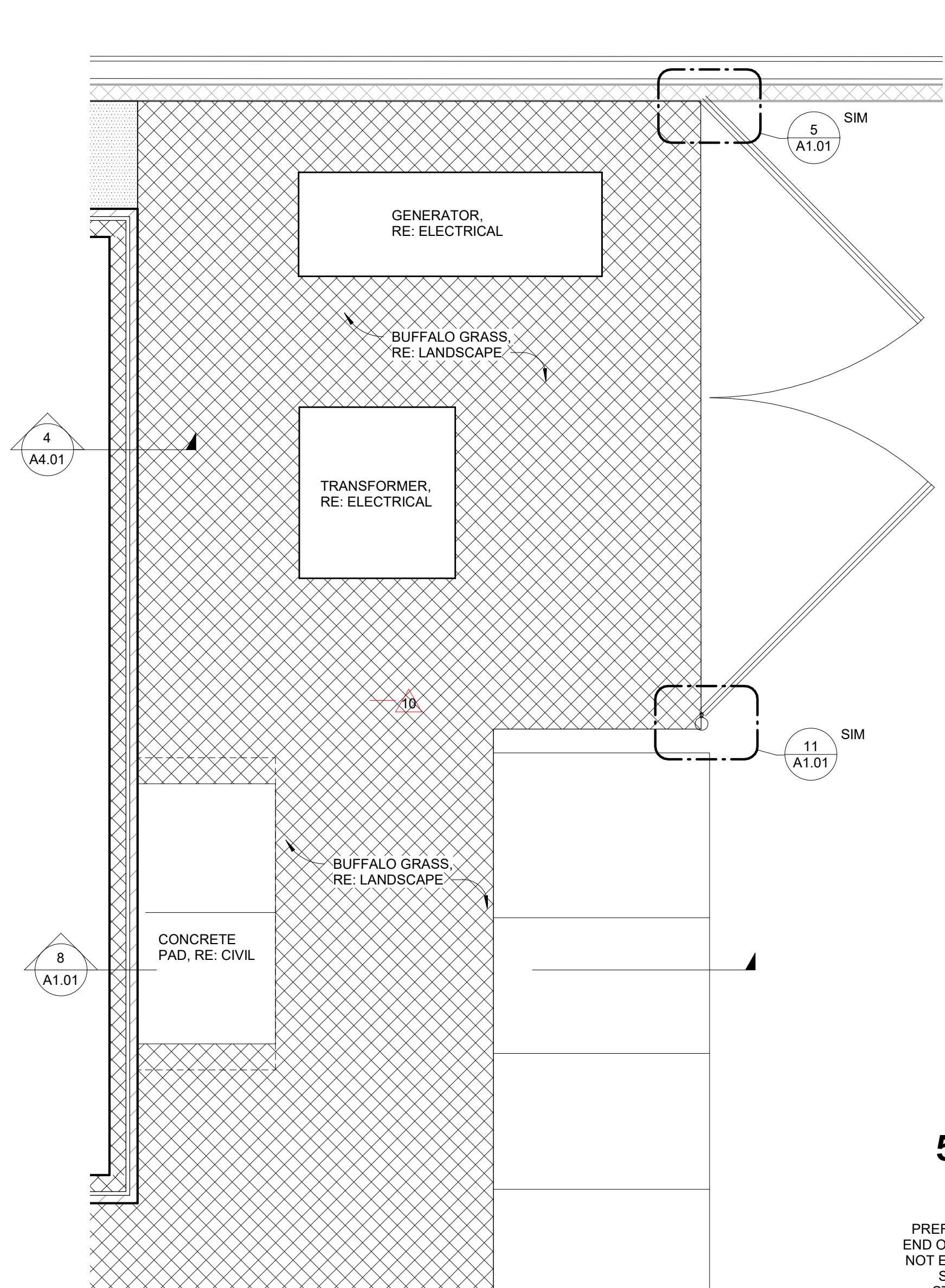
SECTION A-A

- NOTES:
- ALL EXPOSED STEEL TO BE EITHER HOT DIP GALVANIZED OR PAINTED, REFER TO ARCHITECTURAL FINISH
  - CAP PL TO OVERLAP SIZE OF PENETRATION THROUGH BRICK VENEER BY 1" ALL AROUND.

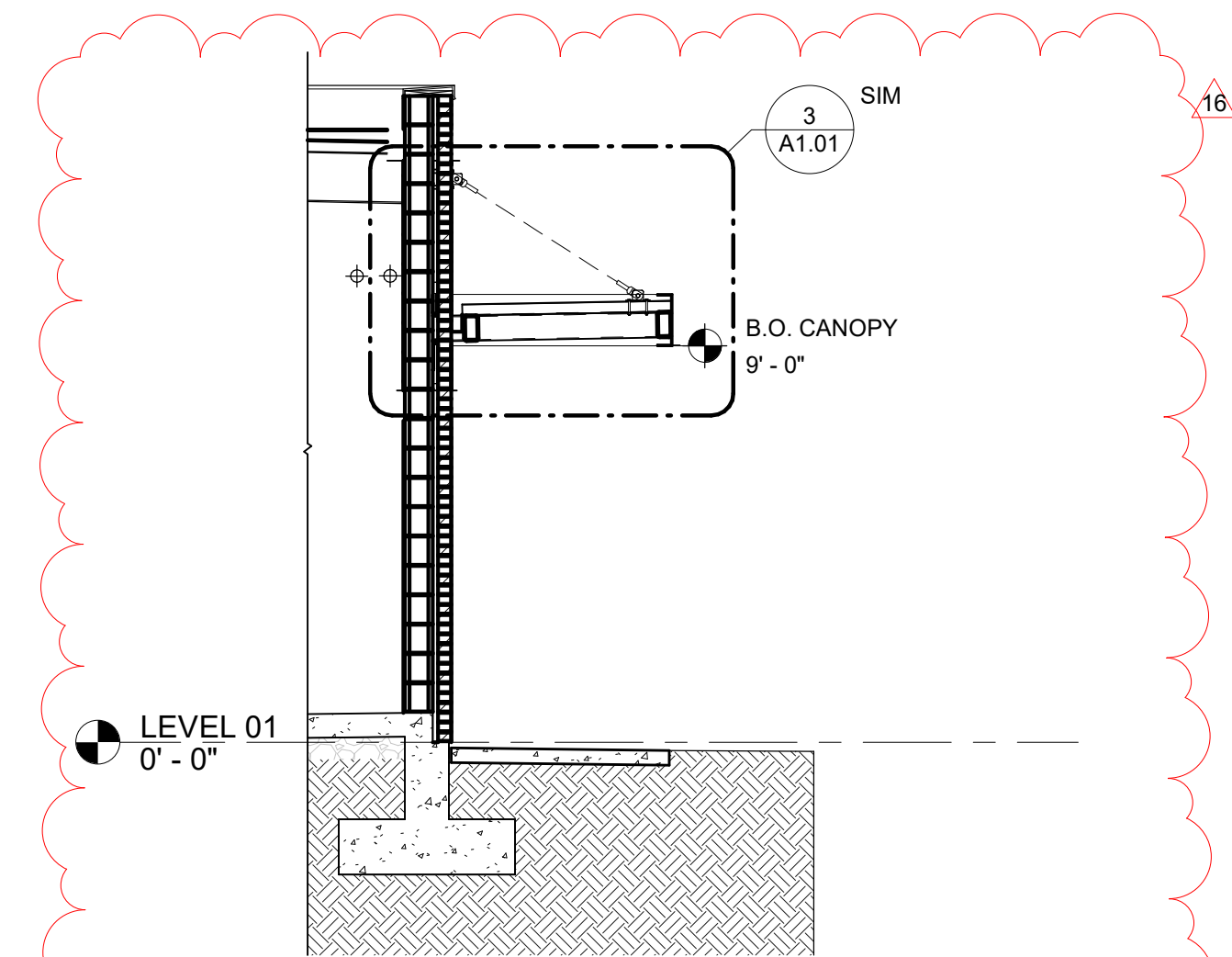
1 PATIO HSS TO CMU WALL  
1" = 1'-0"

MARK	DATE	DESCRIPTION
10	10/8/2020	ASI #3
16	12/15/20	RFI CC#94

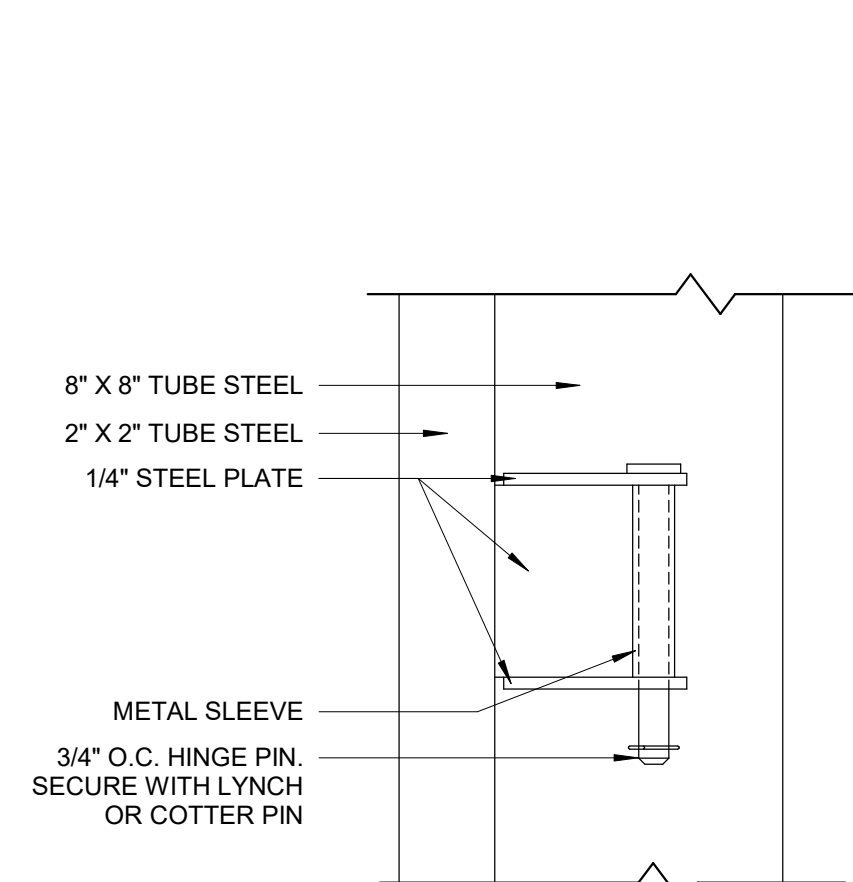




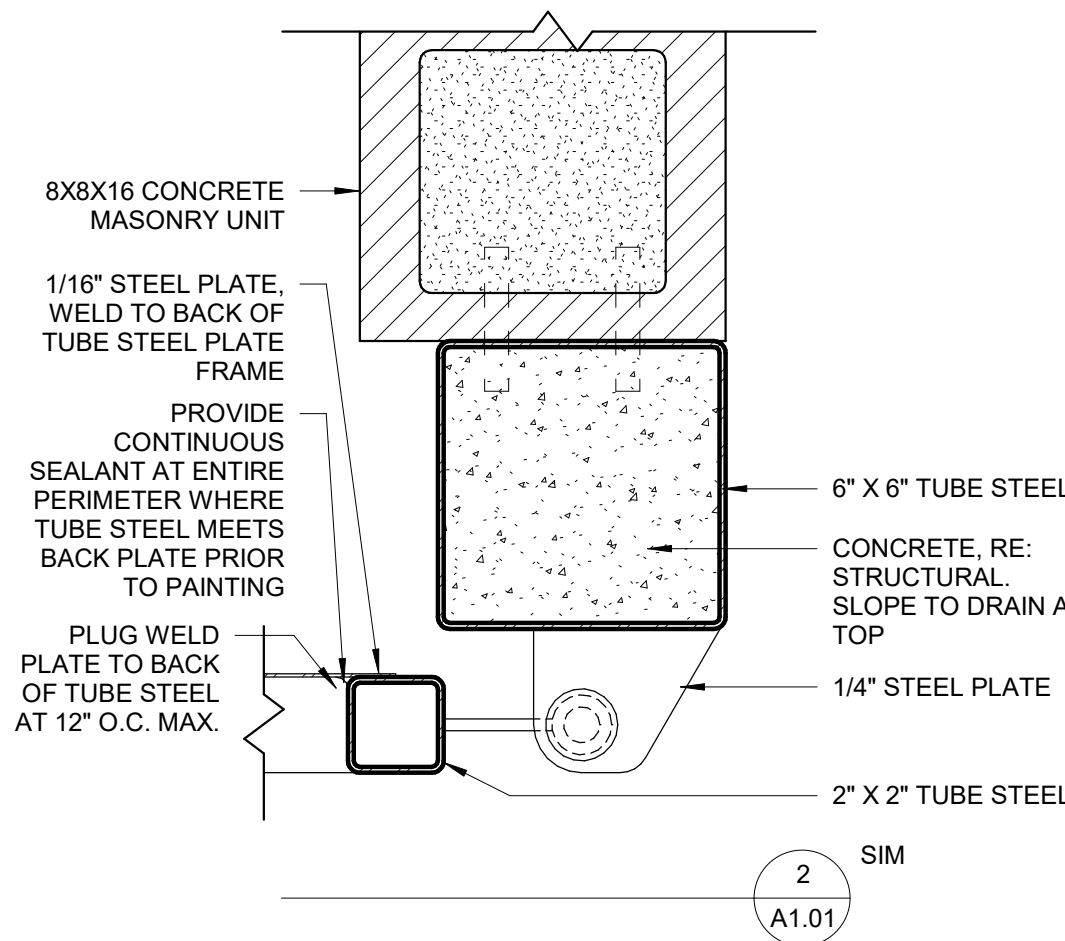
**1 SITE PLAN - COVERED PATIO**  
SCALE | 1/4" = 1'-0"



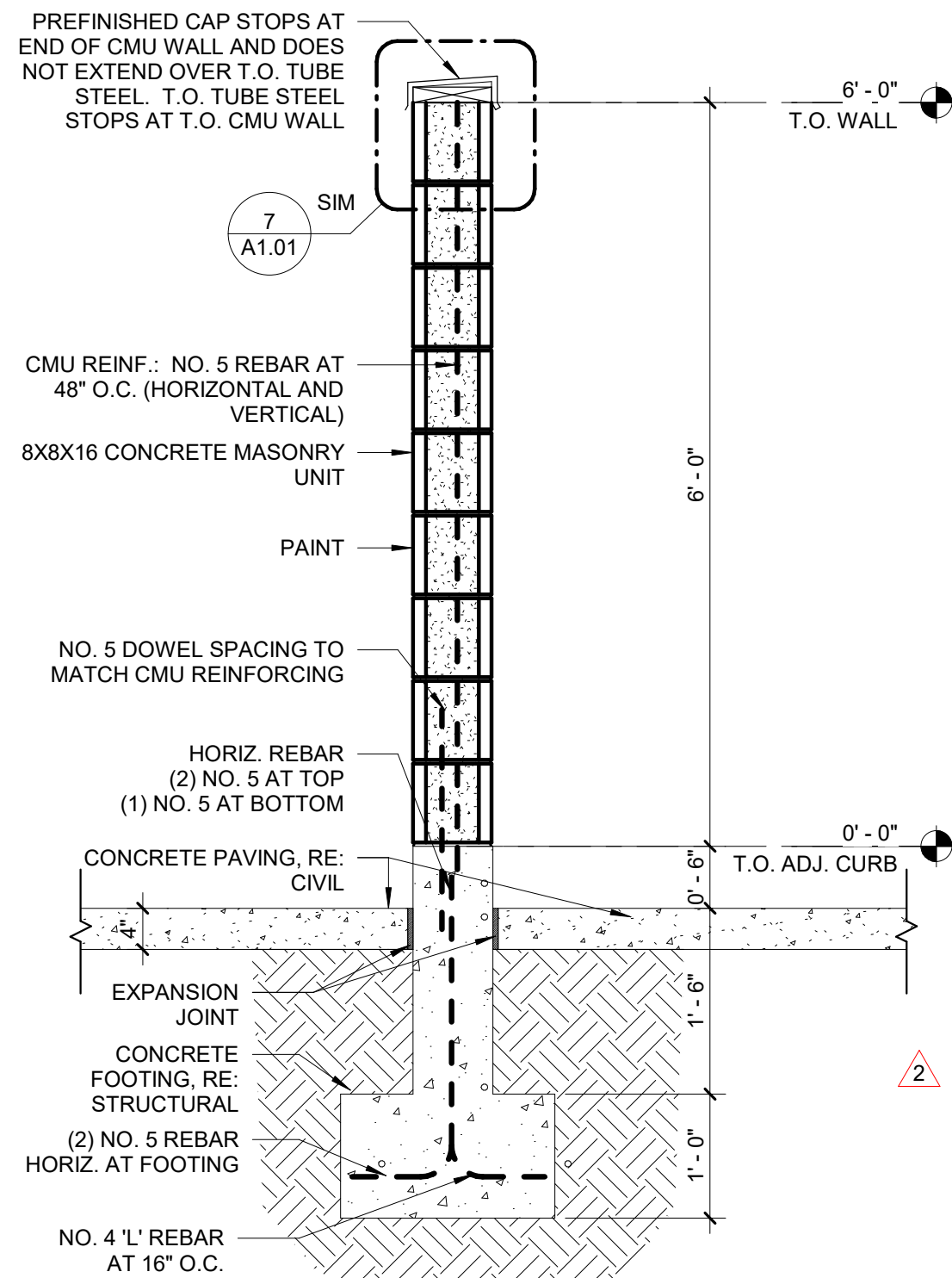
**8 SECTION - SITE PLAN - COVERED PATIO**  
SCALE | 1/4" = 1'-0"



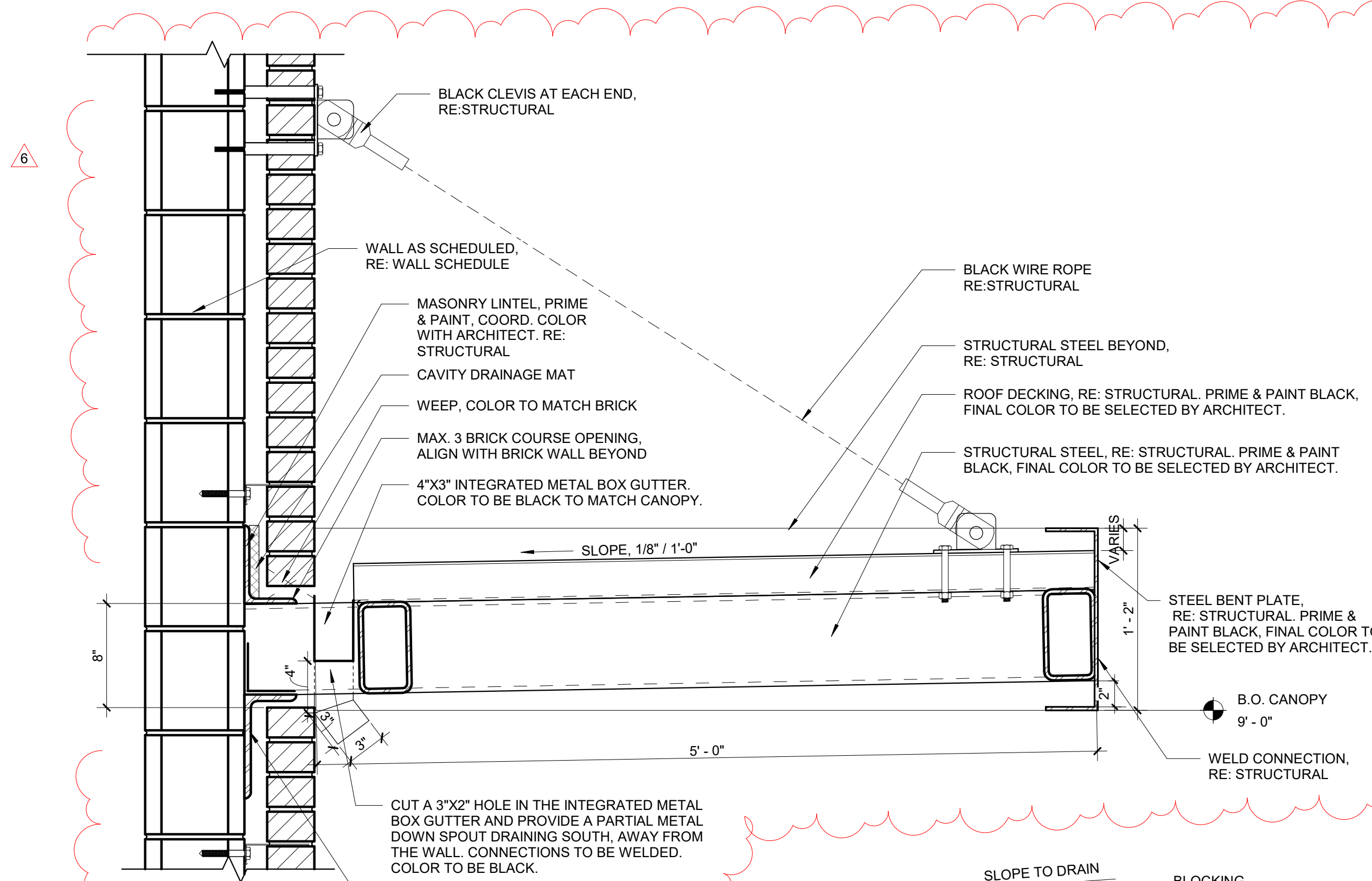
**2 DETAIL - HINGE DETAIL W/ COLUMN**  
SCALE | 3" = 1'-0"



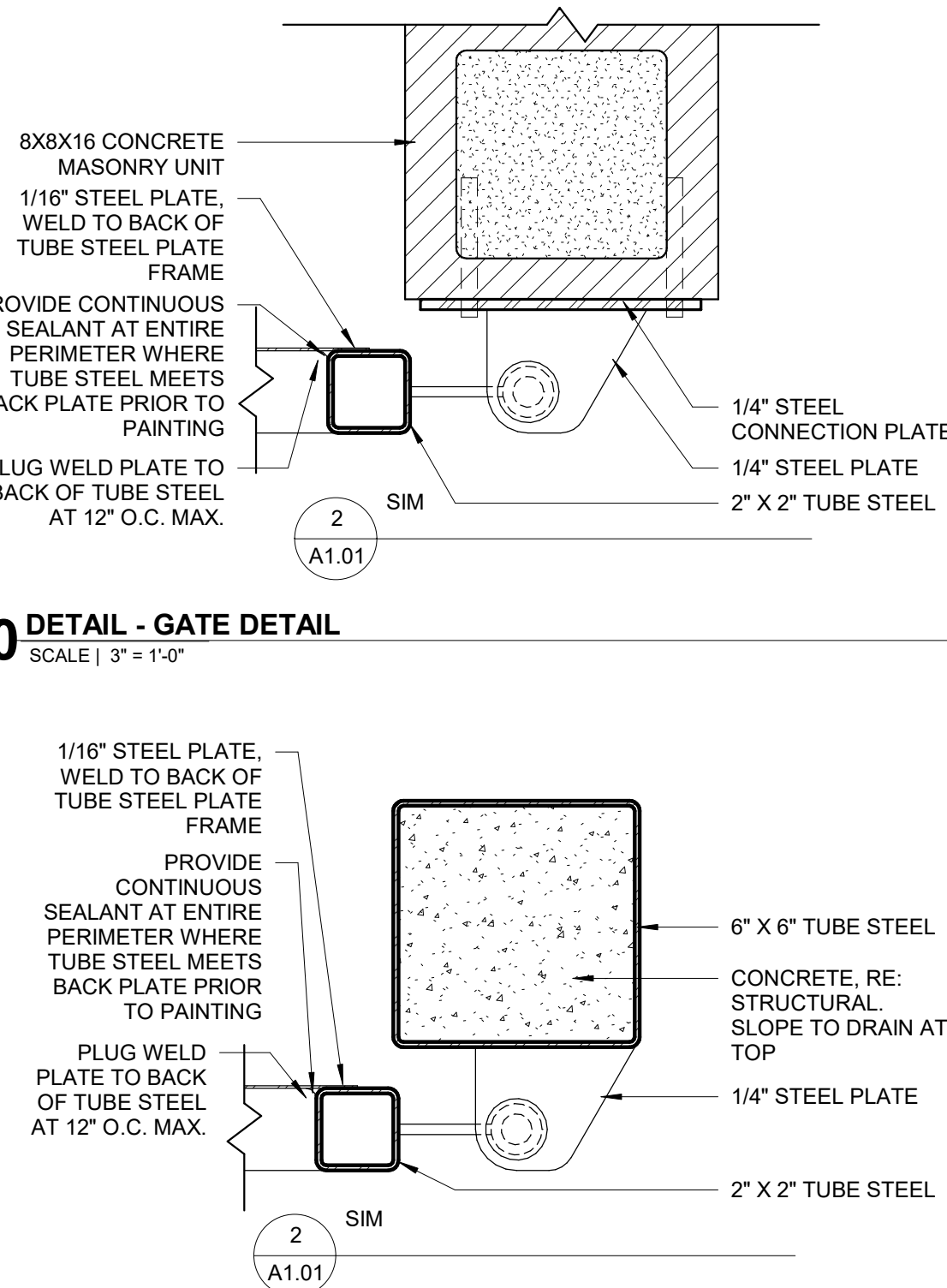
**5 DETAIL - GATE DETAIL W/ COLUMN**  
SCALE | 3" = 1'-0"



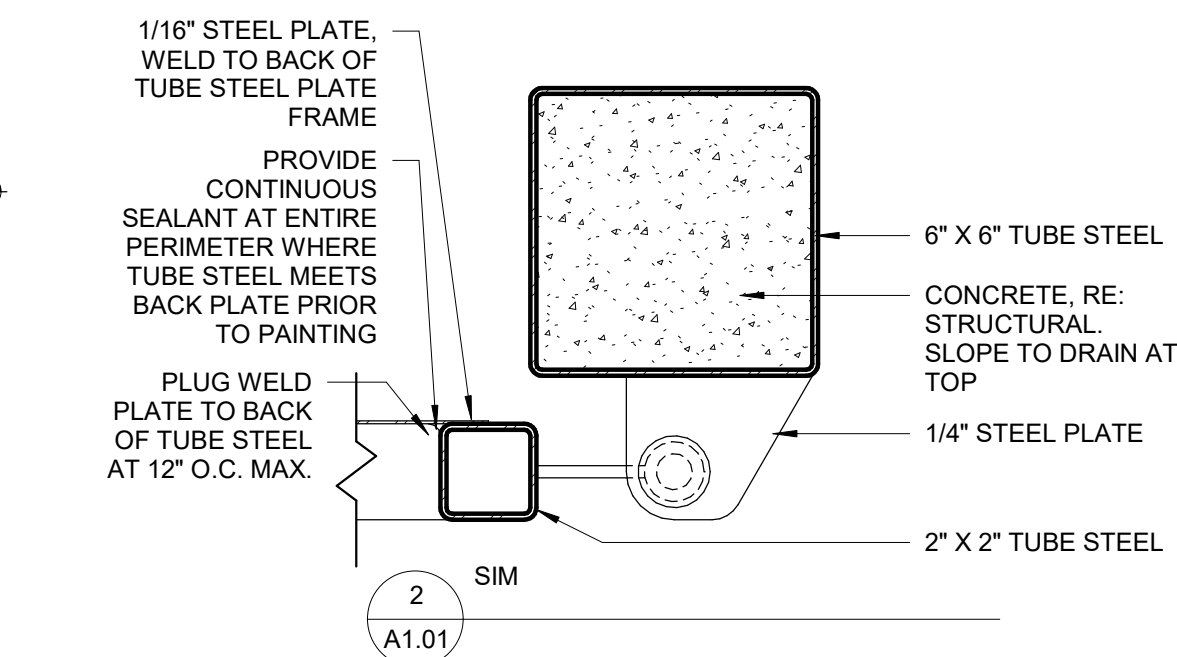
**9 WALL SECTION - TRASH ENCLOSURE WALL**  
SCALE | 3/4" = 1'-0"



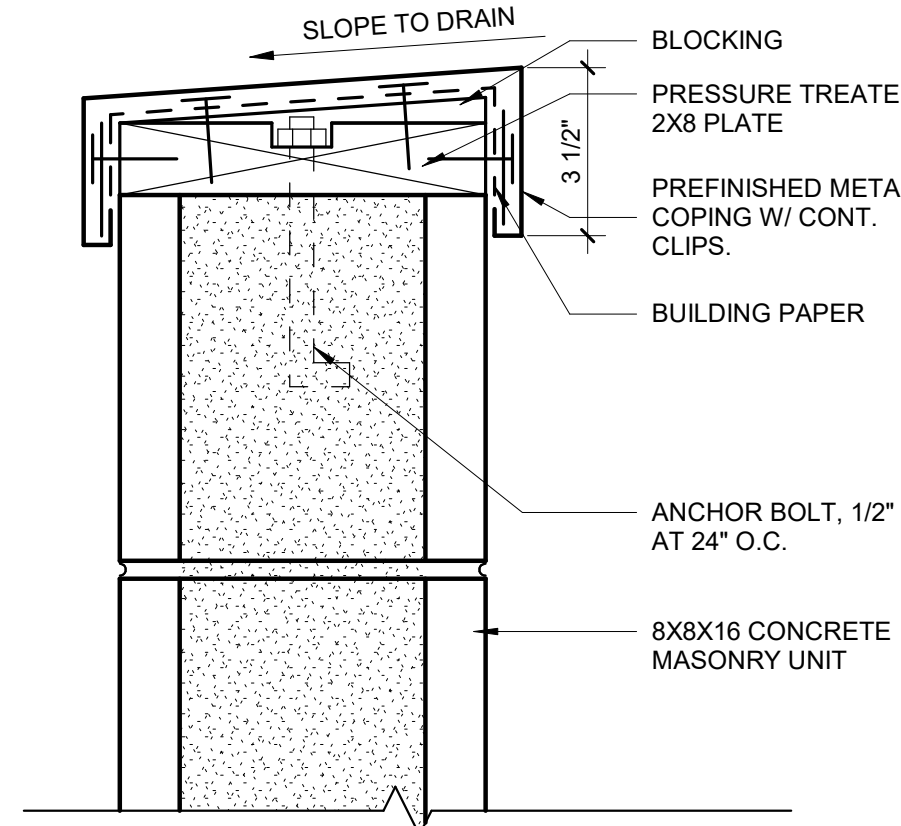
**3 DETAIL - COVERED PATIO CANOPY**  
SCALE | 1 1/2" = 1'-0"



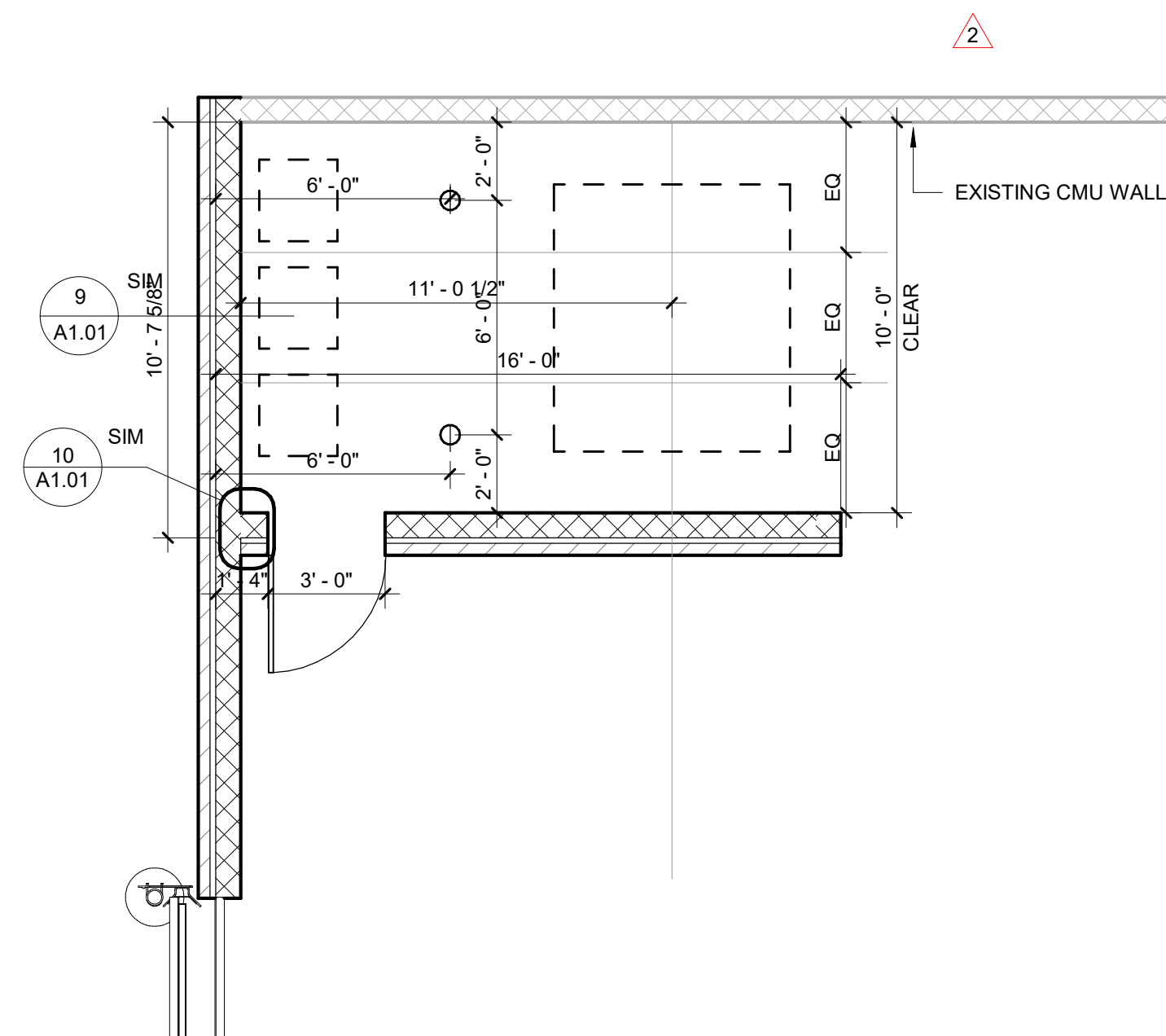
**10 DETAIL - GATE DETAIL**  
SCALE | 3" = 1'-0"



**11 DETAIL - GATE DETAIL ONLY COLUMN**  
SCALE | 3" = 1'-0"



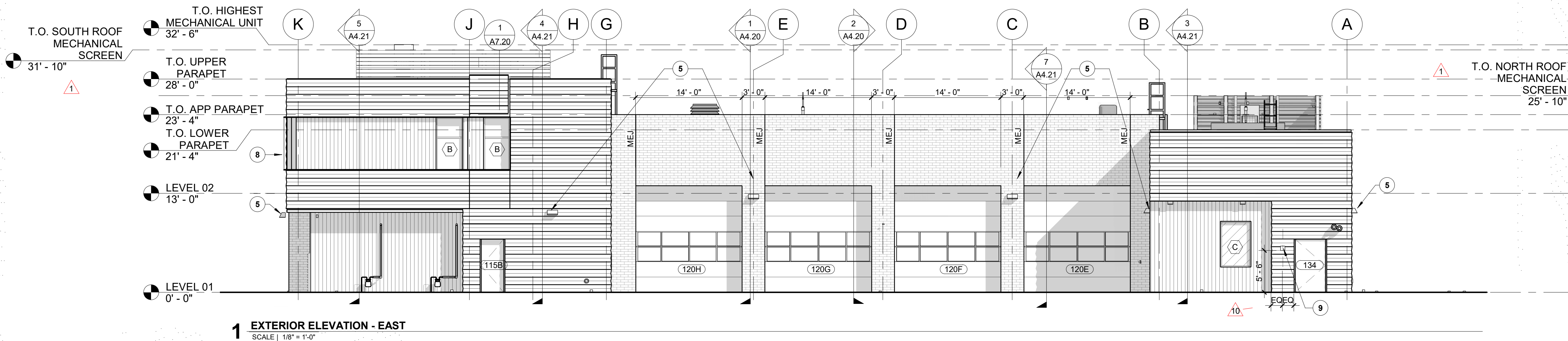
**7 ENCLOSURE CAP**  
SCALE | 3" = 1'-0"



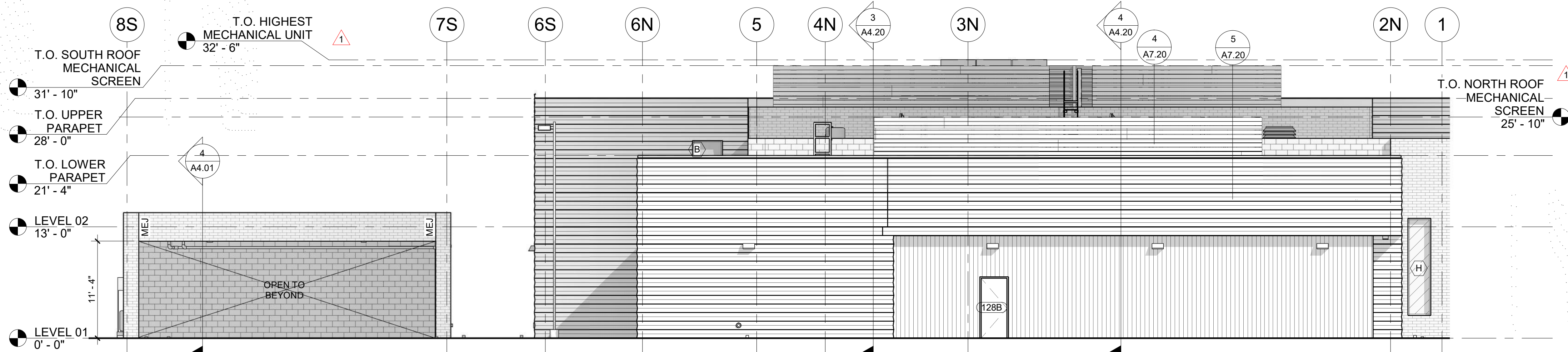
**12 SITE PLAN - TRASH ENCLOSURE**  
SCALE | 1/4" = 1'-0"

MARK	DATE	DESCRIPTION
16	12/15/20	RFI #CC-94
14	12/01/20	RFI #CC-92
10	10/14/20	ASI 03
6	8/17/20	ASI 2
2	7/17/20	ASI 1

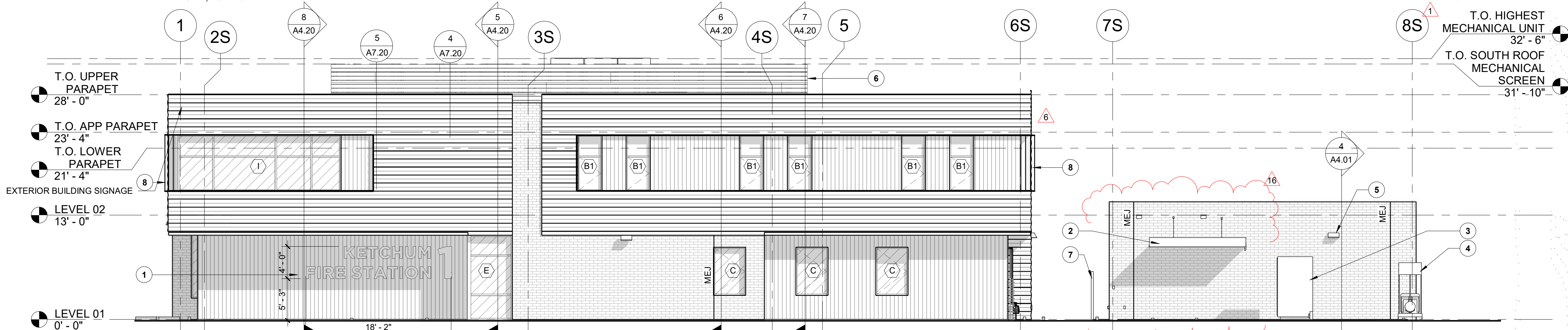




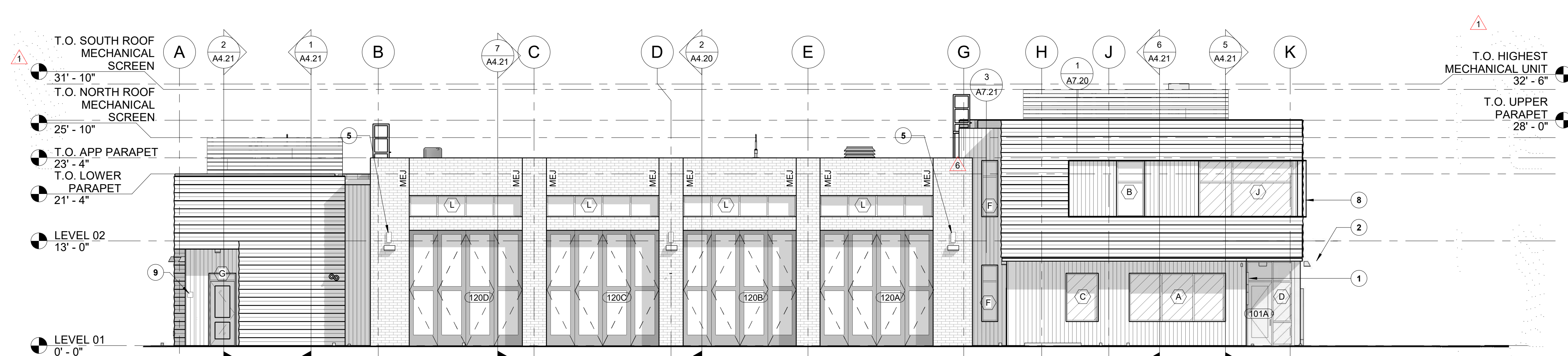
1 EXTERIOR ELEVATION - EAST  
SCALE | 1/8" = 1'-0"



2 EXTERIOR ELEVATION - NORTH  
SCALE | 1/8" = 1'-0"



3 EXTERIOR ELEVATION - SOUTH  
SCALE | 1/8" = 1'-0"



4 EXTERIOR ELEVATION - WEST  
SCALE | 1/8" = 1'-0"

## GENERAL NOTES

- GENERAL NOTES APPLY TO ALL DRAWING SETS.
- FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE PROCEEDING WITH WORK.
- CROSS REFERENCES SHOWN ON DRAWINGS DO NOT NECESSARILY INDICATE ALL LIKE CONDITIONS AND DO NOT LIMIT APPLICATION OF ANY DRAWING OR DETAIL. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT PRIOR TO PROCEEDING WITH WORK. IF DESIGN INTENT REMAINS UNCLEAR THEN PROVIDE MOST EXPENSIVE OPTION IN BID.
- DIMENSIONS ARE TO GRID LINE OR FACE OF STRUCTURAL MEMBER UNLESS OTHERWISE NOTED. DOOR & WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING OR CENTERLINE OF OPENING. CONCRETE AND BRICK DIMENSIONS ARE GIVEN TO THE FACE OF CONCRETE OR MASONRY AND TO THE FACE OF ROUGH OPENINGS. CROSS REFERENCES SHOWN ON DRAWINGS DO NOT NECESSARILY INDICATE ALL LIKE CONDITIONS AND DO NOT LIMIT APPLICATION OF ANY DRAWING OR DETAIL. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT PRIOR TO PROCEEDING WITH WORK. IF DESIGN INTENT REMAINS UNCLEAR THEN PROVIDE MOST EXPENSIVE OPTION IN BID.
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- REFER TO WALL TYPES FOR DETAILS.

## MATERIALS LEGEND

- BRICK - RUNNING BOND**  
INTERSTATE BRICK IN COLOR: "MIDNIGHT BLACK"
- CONCRETE MASONRY UNIT - RUNNING BOND**  
RE: SPECIFICATION DIVISION 04
- METAL WALL PANEL - HORIZONTAL**  
MORIN CONCEALED FASTENER METAL PANEL W-12 IN COLOR "SILVERSMITH"
- METAL WALL PANEL - VERTICAL**  
BRIDGER STEEL 7/8" CORRUGATED, EXPOSED FASTENER, METAL WALL PANEL IN COLOR "COPPER PENNY"
- ALUMINUM STOREFRONT**  
KAWNEER TRIFAB 451UT W/ GAURDIAN GLASS - SUNGAURD SNR 43  
RE: SPECIFICATION DIVISION 08
- MEJ**  
MASONRY EXPANSION JOINT

## KEYNOTES

- EXTERIOR BUILDING SIGNAGE
- COVERED PATIO, PER PLAN
- TRANSFORMER, RE: ELECTRICAL
- GENERATOR, RE: ELECTRICAL
- LIGHTING FIXTURES, RE: ELECTRICAL
- MECHANICAL SCREENING, RE: SPECIFICATION
- 6'-0" TALL FENCE, RE: LANDSCAPE
- FORMED ALUMINUM LIP AROUND WALL RECESS PERIMETER, RE: STRUCTURAL.
- RECESSED KNOX BOX



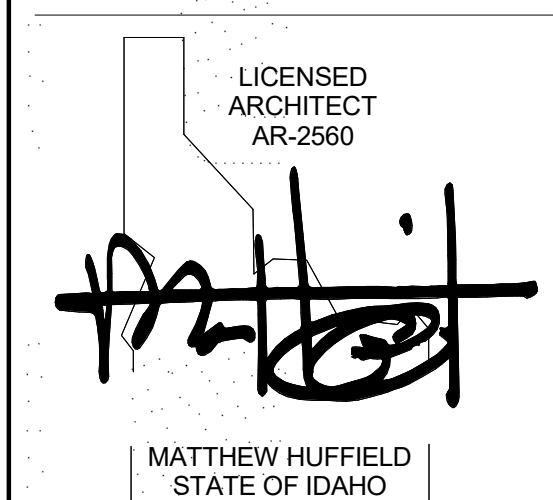
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206.522.3820

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## SHEET NAME



## CONSULTANT

## PROJECT INFORMATION



## KETCHUM FIRE STATION NO. 1

107 SADDLE ROAD, KETCHUM, ID 83353

## ISSUES

PHASE CONSTRUCTION SET

DATE JUNE 19, 2020

JOB NUMBER 18-022

MARK	DATE	DESCRIPTION
16	12/15/20	RFI #CC-94
10	10/14/20	ASI 03
6	8/17/20	ASI 2
1	6/23/20	CITY PERMIT COMMENTS

## SHEET NAME

## EXTERIOR ELEVATIONS

## SHEET NUMBER

A3.00





**KETCHUM FIRE  
STATION NO. 1**

107 SADDLE ROAD, KETCHUM, ID 83353

ISSUES

PHASE CONSTRUCTION SET

DATE JUNE 19, 2020

JOB NUMBER 18-022

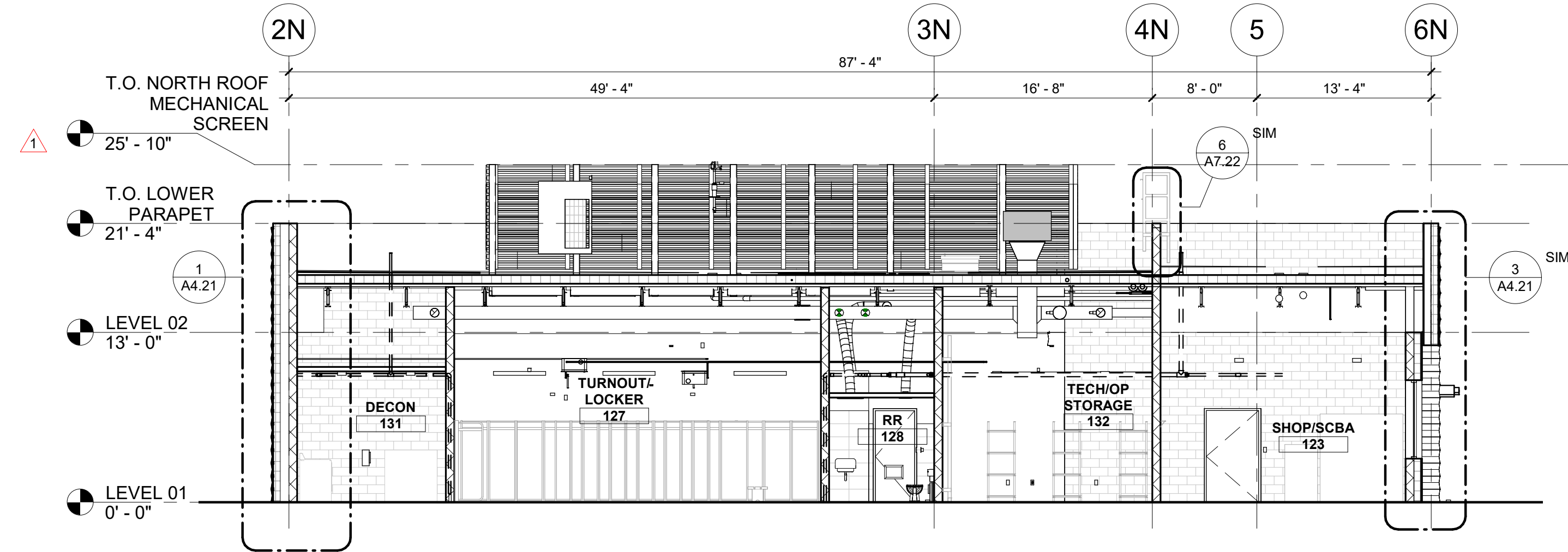
MARK	DATE	DESCRIPTION
16	12/15/20	RFI #CC-94
1	6/23/20	CITY PERMIT COMMENTS

SHEET NAME

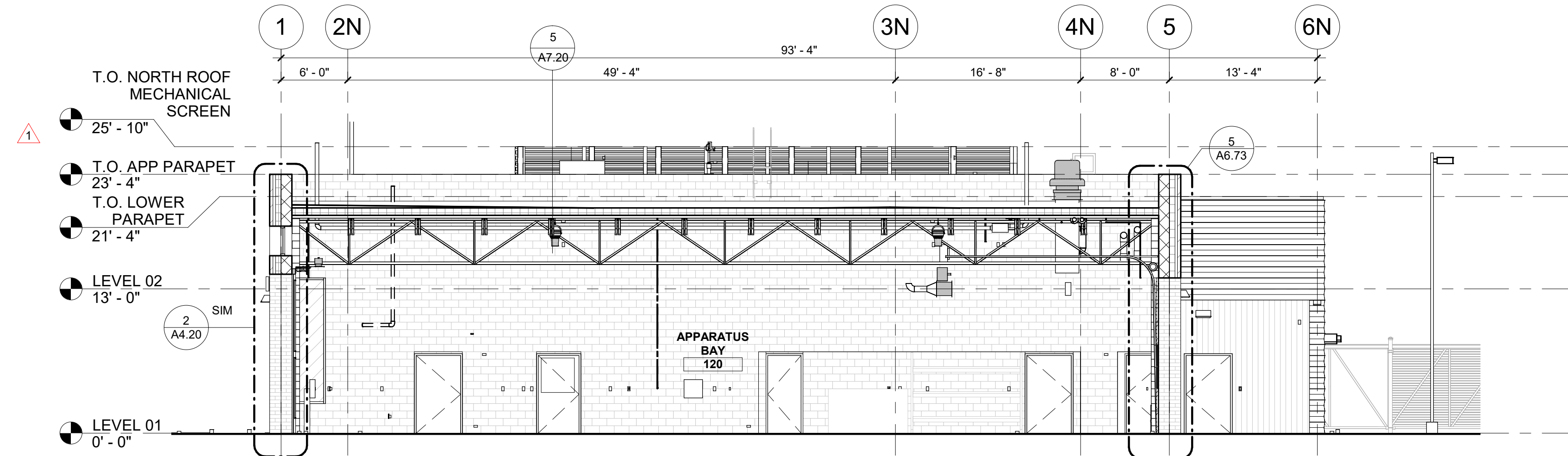
**BUILDING  
SECTIONS**

SHEET NUMBER

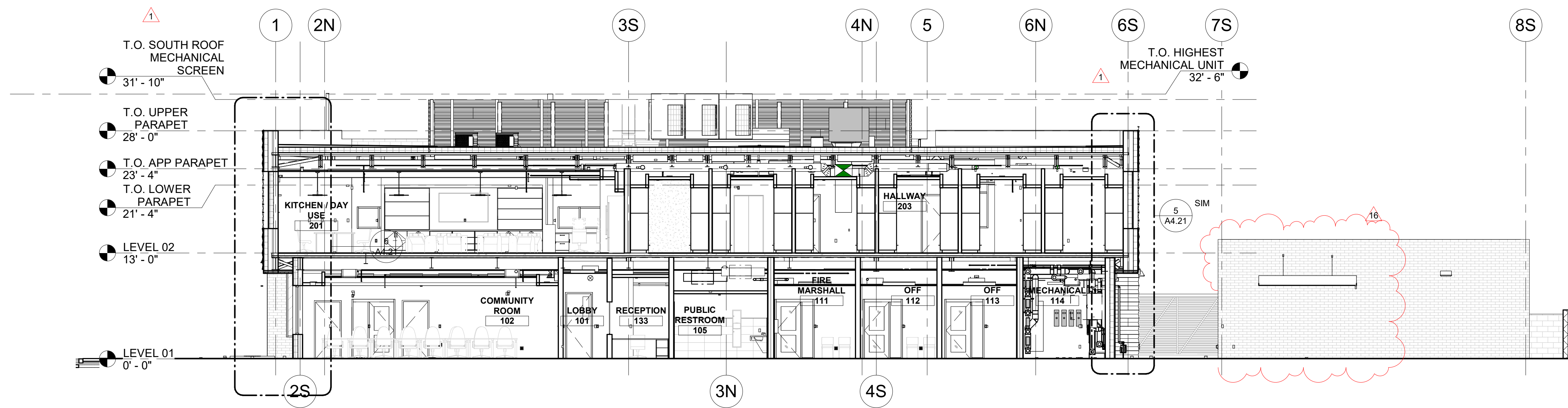
**A4.00**



**1 BUILDING SECTION - SUPPORT/UTILITY BAY**  
SCALE | 1/8" = 1'-0"

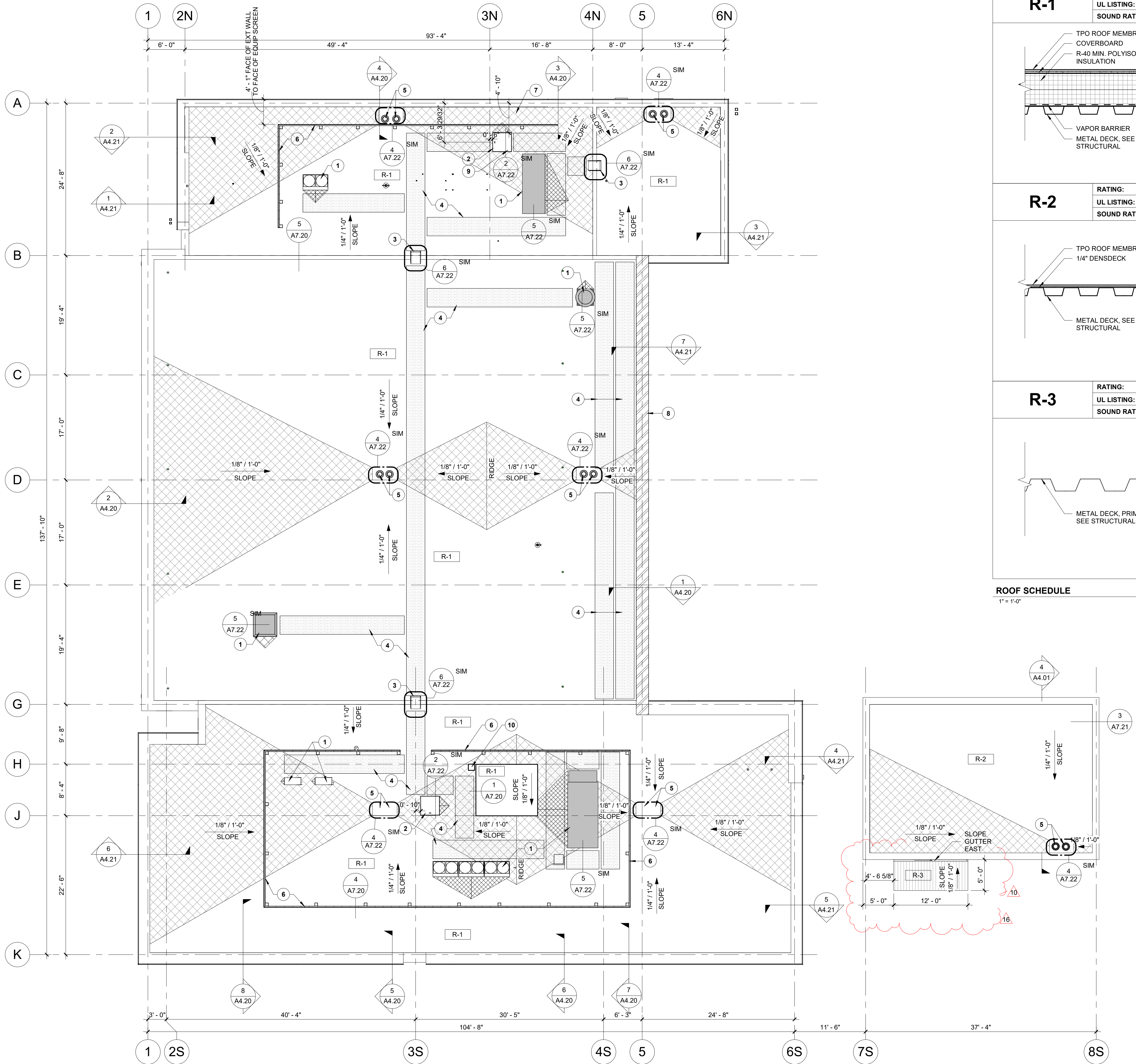


**2 BUILDING SECTION - APPARATUS BAY**  
SCALE | 1/8" = 1'-0"



**3 BUILDING SECTION - OFFICE & LIVING - NORTH/SOUTH**  
SCALE | 1/8" = 1'-0"





1 ROOF PLAN  
SCALE | 1/8" = 1'-0"

R-1

RATING:  
UL LISTING:  
SOUND RATING:

TPO ROOF MEMBRANE  
COVERBOARD  
R-40 MIN. POLYISO  
INSULATION

VAPOR BARRIER  
METAL DECK, SEE  
STRUCTURAL

R-2

RATING:  
UL LISTING:  
SOUND RATING:

TPO ROOF MEMBRANE  
1/4" DENSDECK

METAL DECK, SEE  
STRUCTURAL

R-3

RATING:  
UL LISTING:  
SOUND RATING:

METAL DECK, PRIMED,  
SEE STRUCTURAL

ROOF SCHEDULE  
1" = 1'-0"

GENERAL NOTES

- A. COORDINATE INSTALLATION OF ROOFING WITH OTHER TRADES. REPORT ANY CONFLICTS WITH ITEMS INSTALLED BY OTHER TRADES TO ARCHITECT.
- B. ALL ROOF CURBS FOR NEW ROOFTOP EXHAUST FANS, HVAC UNITS AND CONDENSING UNITS SHALL HAVE CURB HEIGHTS THAT WILL ALLOW FOR A MINIMUM OF 8" BASE FLASHING HEIGHTS FOR THE ROOF SYSTEM.
- C. ALL PLUMBING VENTS SHALL EXTEND ABOVE THE FINISHED SURFACE OF THE ROOF SYSTEM AS REQUIRED TO PROVIDE FOR A MINIMUM OF 8" BASE FLASHING. PROVIDE FLASHING AROUND VENTS AND ROOF PENETRATIONS PER ROOFING MANUFACTURER RECOMMENDATIONS.
- D. PROVIDE 36" WIDE WALK PADS AROUND PERIMETER OF ALL MECHANICAL EQUIPMENT. PROVIDE 36" WIDE WALK PADS AROUND ALL ROOF HATCHES & 72"x72" PADS AT LADDERS.
- E. UNLESS NOTED OTHERWISE - PROVIDE FIRESTONE UNI-CLAD KYNAR 500/HYLAR 5000 PRE-FINISHED GALVALUME STEEL (24 GA) ARCHITECTURE SHEET AND COIL FOR ALL COPINGS, FLASHING & TRIM PIECES. SUBMIT STANDARD COLOR SELECTION TO ARCHITECT FOR APPROVAL. ALL CLEATS TO BE CONTINUOUS.
- F. ALL GUTTERS TO BE PREFINISHED SMACNA APPROVED 'K' STYLE CONTINUOUS ALUMINUM GUTTERS SIZED FOR QUANTITY OF WATER FLOW. PROVIDE STAINLESS STEEL SCREENS FOR GUTTERS. UNO PROVIDE HEAT CABLE IN GUTTER. UNO SUBMIT STANDARD COLOR SELECTION TO ARCHITECT FOR APPROVAL.
- G. ALL DOWNSPOUTS TO BE PRE-FINISHED SMACNA APPROVED RECTANGULAR ALUMINUM DOWNSPOUT SIZED FOR QUANTITY OF WATER FLOW. PROVIDE ALUMINUM ATTACHMENT CLIPS AT MAX 4' INTERVALS. UNO PROVIDE HEAT CABLE IN DOWNSPOUT AND EXTEND INTO GROUND. UNO SUBMIT STANDARD COLOR SELECTION TO ARCHITECT FOR APPROVAL. SEE EXTERIOR ELEVATIONS OR ROOF PLAN FOR LOCATIONS.
- H. PROVIDE PAINTED 4' TALL CAST ALUM. DOWNSPOUT BOOTS @ ALL DOWN SPOUTS, TIE INTO SUB-GRADE DRAINAGE, RE. CIVIL.
- I. TAPERED INSULATION TO BE 1/4" PER FOOT MIN SLOPE TO DRAIN. ROOF PLAN SHOWS TAPERED INSULATION FOR GRAPHIC REPRESENTATION ONLY. CONTRACTOR TO VERIFY INSULATION REQUIRED TO SLOPE PRIOR TO MEMBRANE INSULATION.
- J. PROVIDE TAPERED INSULATION CRICKETS 1/4" PER FOOT MIN. SLOPE @ HIGH SIDE OF ALL MECHANICAL UNITS AND ROOF HATCHES. TO SHED WATER AROUND AND MAINTAIN POSITIVE ROOF DRAINAGE.
- K. VERIFY ELEVATION OF ROOF DRAIN RELATIVE TO OVERFLOW SCUPPER PRIOR TO INSTALLATION OF SCUPPER.
- L. PROVIDE SELF-ADHERING VAPOR RETARDER BETWEEN DECK AND INSULATION. SEE ROOF SCHEDULE AND ROOF DETAILS. UNO PROVIDE CARLISLE AIR & VAPOR BARRIER TR725. PROVIDE AIR TIGHT SEAL AROUND ALL DECK PENETRATIONS AND DECK PERIMETER PRIOR TO INSTALLING VAPOR BARRIER.
- M. ALL WOOD NAILER AND BLOCKING TO BE TREATED. SECURE NAILERS PER FM GLOBAL 1-49 PERIMETER FLASHING REQUIREMENTS.
- N. INSTALL MANUFACTURE'S RECOMENDED PRESSURE-SENSITIVE RUSS STRIP ALONG ENTIRE ROOF PERIMETER AND AT PERIMETER OF ALL ROOF CURBS.
- O. WHEN APPLICABLE - UNLESS NOTED OTHERWISE, USE CDX PLYWOOD FOR EXTERIOR APPLICATIONS AND BCD PLYWOOD FOR INTERIOR APPLICATIONS.

KEYNOTES #

1. ROOF MOUNTED MECHANICAL UNIT, SEE MECHANICAL DRAWINGS.
2. 3' x 3' ROOF ACCESS HATCH.
3. ROOF ACCESS LADDER.
4. WALKING PAD.
5. ROOF DRAIN AND OVERFLOW DRAIN, SEE ARCH ROOF DETAILS AND PLUMBING DRAWINGS.
6. EQUIPMENT SCREEN.
7. FALL ARREST SYSTEM, SEE SPECIFICATIONS SECTION 118129.
8. REINFORCED PARAPET CAP FOR LADDER TRAINING SHOWN HATCHED.
9. GUARD RAIL ATTACHED TO ROOF HATCH.
10. ROOF ANTENNA.

ROOF PLAN LEGEND

- ROOF WALK PADS. REFER TO SPECIFICATIONS
- TAPERED INSULATION CRICKET
- REINFORCED WALL CAP FOR LADDER TRAINING



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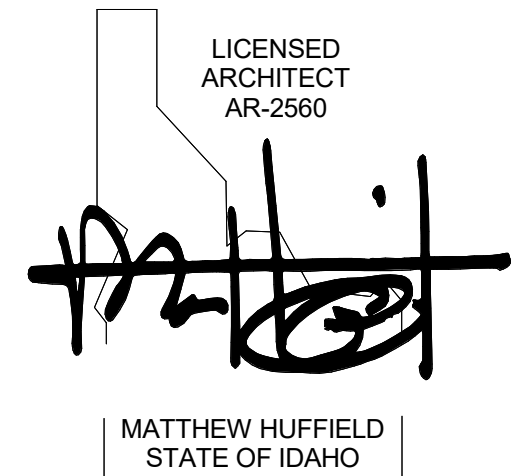


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STAMP



CONSULTANT

PROJECT INFORMATION



KETCHUM FIRE  
STATION NO. 1

107 SADDLE ROAD, KETCHUM, ID 83353

ISSUES

PHASE CONSTRUCTION SET

DATE JUNE 19, 2020

JOB NUMBER 18-022

MARK	DATE	DESCRIPTION
16	12/15/20	RFI #CC-94
10	10/14/20	ASI 03

SHEET NAME

ROOF PLAN

SHEET NUMBER

A7.00



*Building. Growing. Leading. ...Since 1937.*

## Budget Evolution Item Summary

### City of Ketchum Fire Station #1

Add Back S-3 Sink

Date: 11/18/2020

Description: As requested by Owner add back sink S-3 to Kitchen area

SCOPE	SUBCONTRACTOR	AMOUNT
Provide S-3 Sink deleted in VA	Evans Plumbing	\$ 2,200.00
SUBTOTAL:		\$ 2,200.00
SUBTOTAL reflects direct costs only on the presumption that costs will come from allowances. If costs are reimbursed by Change Order, TOTAL AMOUNT below reflects the SUBTOTAL with add of agreed upon markup in accordance with the change order pricing.		
Bond and Insurance	CORE	\$ 46.00
CMAR FEE	CORE	\$ 98.00
Sales Tax	CORE	\$ 148.00
TOTAL AMOUNT:		\$ 2,492.00



# Change Request Proposal

Project:  
(name and address)

203600 / CoK FS No. 1  
107 Saddle Road  
Ketchum, ID 83340

Change request number:  
Description:

08  
S-3 in Kitchen

Customer: CORE | Headwaters, LLC

Notice to Proceed

Submitted date:  
Received date:  
Rough order of magnitude: 0.00

Status: Proposed  
Origination date: 11/12/20

Quotation

Submitted date: 11/12/20  
Due date:  
Submitted amount: 2,200.00  
Requested days delay: 0

Notes

Addition of S-3 back into the Kitchen.

Revenue Detail

Billing Item	Description	Revenue
	Labor	1,000.00
	Material	1,200.00
Total Revenue For CR 08		2,200.00

Approvals

Customer: CORE | Headwaters, LLC  
Authorized Representative: \_\_\_\_\_  
By: \_\_\_\_\_  
Date: \_\_\_\_\_

Contractor: Evans Plumbing, Inc.  
By: \_\_\_\_\_  
Date: \_\_\_\_\_



## BID PROPOSAL

Public Works PWC-C-15343-AAA-4 Plumbing- PLB-C-035960 HVAC- HVC-C-2728  
111 Gulf Stream Ln Hailey, ID 83333 2188 4th Ave, East Twin Falls, ID 83301  
(P)208-726-5261 (F)208-788\_8176 (P)208-329-7900

June 23, 2020

Core Construction Attn Jeff Jerome

Ketchum Fire Station No 1 Plumbing VE suggestions.

We have put together the following VE suggestions for the plumbing scope on the Ketchum Fire Station No 1.

- ~~Use Space Age under slab insulation in lieu of the specified R-5 for the snow melt system. Subject to approval from engineer and code officials. ....Deduct (11,500.00)~~
- ~~Use PEX for domestic water piping less than 2" for all non-exposed water piping. All exposed water piping will be Copper as specified.....Deduct (13,500.00)~~
- ~~Reduce the total lineal footage of the trench drains by 60 ft leaving 40 ft runs in place of the 60 ft runs shown in each of the 3 bays.....Deduct (12,000.00)~~
- ~~Substitute the specified trench drain for 6" wide trench drain Zurn Z886 HD. Cut Sheet attached.....Deduct (15,500.00)~~
- \*\*\*\*\* Remove S-3 from the island sink in the kitchen area.....Deduct (2,200.00)

~~Total of 4 accepted VO items: \$ 39,200.00~~

## Budget Evolution Item Summary

### City of Ketchum Fire Station #1





Regional office for CORE NV company  
777 N 4th St  
Boise, Idaho 83702

**Project:** 5-20-01-006 - CoK - City of Ketchum Fire Station  
107 Saddle Road  
Ketchum, Idaho 83353

## Boot Wash Area Revision

<b>TO:</b>	Jordan Terry (KPFF) (Response Required) Alex Goedhart (Cole Architects) Crystal McColly (Cole Architects)	<b>FROM:</b>	JT Brown (CORE Construction - Las Vegas) 777 N Fourth St Boise, Idaho 83702
<b>DATE INITIATED:</b>	09/16/2020	<b>STATUS:</b>	Open
<b>LOCATION:</b>		<b>DUE DATE:</b>	09/23/2020
<b>PROJECT STAGE:</b>	Course of Construction	<b>COST CODE:</b>	
<b>COST IMPACT:</b>		<b>SCHEDULE IMPACT:</b>	
<b>DRAWING NUMBER:</b>		<b>SPEC SECTION:</b>	
<b>LINKED DRAWINGS:</b>		<b>REFERENCE:</b>	
<b>RECEIVED FROM:</b>	JT Brown (CORE Construction - Las Vegas)		
<b>COPIES TO:</b> Ron Allen (Rule Steel), JT Brown (CORE Construction - Las Vegas), Grant Gager (City of Ketchum), Pat Garrett (Garrett Construction, Inc), Alan Gelet (Garrett Construction, Inc), Cary Goldberg (DPPM Project Management), Vic Hulett (Evans Plumbing Incorporated (EPI)), Bill McLaughlin (City of Ketchum), Dennis Potts (DPPM Project Management), Chris Schratwieser (CORE Construction - Las Vegas), Matt Sylvester (CORE Construction - Las Vegas), Brett Traylor (Evans Plumbing Incorporated (EPI))			

### Question from JT Brown (CORE Construction - Las Vegas) at 01:24 PM on 09/16/2020

This RFI is to confirm direction given to date including RFI-62R1 and acknowledge structural field conditions.

- 1) Please confirm location of the drains at the 3 depressed slab locations is acceptable due to structural constraints.
- 2) The added drain at the alcove next to the apparatus bay has a conflict with the structural footing and the depression will need to be reduced to 3" with drain centered.
- 3) The SCBA room 123 the added floor drain depression can not be centered because of the structural footing and will be offset seven (7) inches as indicated on attached.
- 4) At the boot wash area 136 Southeast of the App Bays, we are installing per revised RFI-62R1 and attached drawing.

#### Attachments:

[S2.01a SLAB ON GRADE PLAN Rev.2 markup \(8\).pdf](#)

#### Official Response: Customer Support () responded on Wednesday, November 4th, 2020 at 8:51AM MST

emailed from: ["crystal@colearchitects.com"] See attached response.  
Crystal McColly, AIA, NCARB  
COLE/ARCHITECTS  
Project Architect  
p 208.345.1800 / d 208.605.3404 / c 208.731.9031

#### Attachments:

[RFI #CC-77 - Boot Wash Area Revision - Response.pdf](#)

It is structurally acceptable to trench or chip down into the footing a maximum of 4" to install the p-trap for this drain. The maximum size of the trench should be 6" wide x 16" long. Locate the trench to minimize bars that are cut. One bar maximum may be cut for this trench.

Jordan Terry, KPFF - 11/20/20

BY

DATE

COPIES TO



RFI #CC-77

Regional office for CORE NV company  
777 N 4th St  
Bosie, Idaho 83702

Project: 5-20-01-006 - CoK - City of Ketchum Fire Station  
107 Saddle Road  
Ketchum, Idaho 83353

## Boot Wash Area Revision

TO:	Alex Goedhart (Cole Architects) Crystal McColly (Cole Architects)	FROM:	JT Brown (CORE Construction - Las Vegas) 777 N Fourth St Boise, Idaho 83702
DATE INITIATED:	09/16/2020	STATUS:	Open
LOCATION:		DUE DATE:	09/23/2020
PROJECT STAGE:	Course of Construction	COST CODE:	
SUB JOB:		SCHEDULE IMPACT:	
COST IMPACT:		SPEC SECTION:	
DRAWING NUMBER:		REFERENCE:	
LINKED DRAWINGS:			

### RECEIVED FROM:

### COPIES TO:

Ron Allen (Rule Steel), JT Brown (CORE Construction - Las Vegas), Grant Gager (City of Ketchum), Pat Garrett (Garrett Construction, Inc), Alan Gelet (Garrett Construction, Inc), Cary Goldberg (DPPM Project Management), Vic Hulett (Evans Plumbing Incorporated (EPI)), Bill McLaughlin (City of Ketchum), Dennis Potts (DPPM Project Management), Chris Schratwieser (CORE Construction - Las Vegas), Matt Sylvester (CORE Construction - Las Vegas), Brett T aylor (Evans Plumbing Incorporated (EPI))

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### Attachments:

[S2.01a\\_SLAB ON GRADE PLAN Rev.2 markup \(8\).pdf](#)

Awaiting an Official Response

### All Replies:

See attached marked up slab on grade plan.

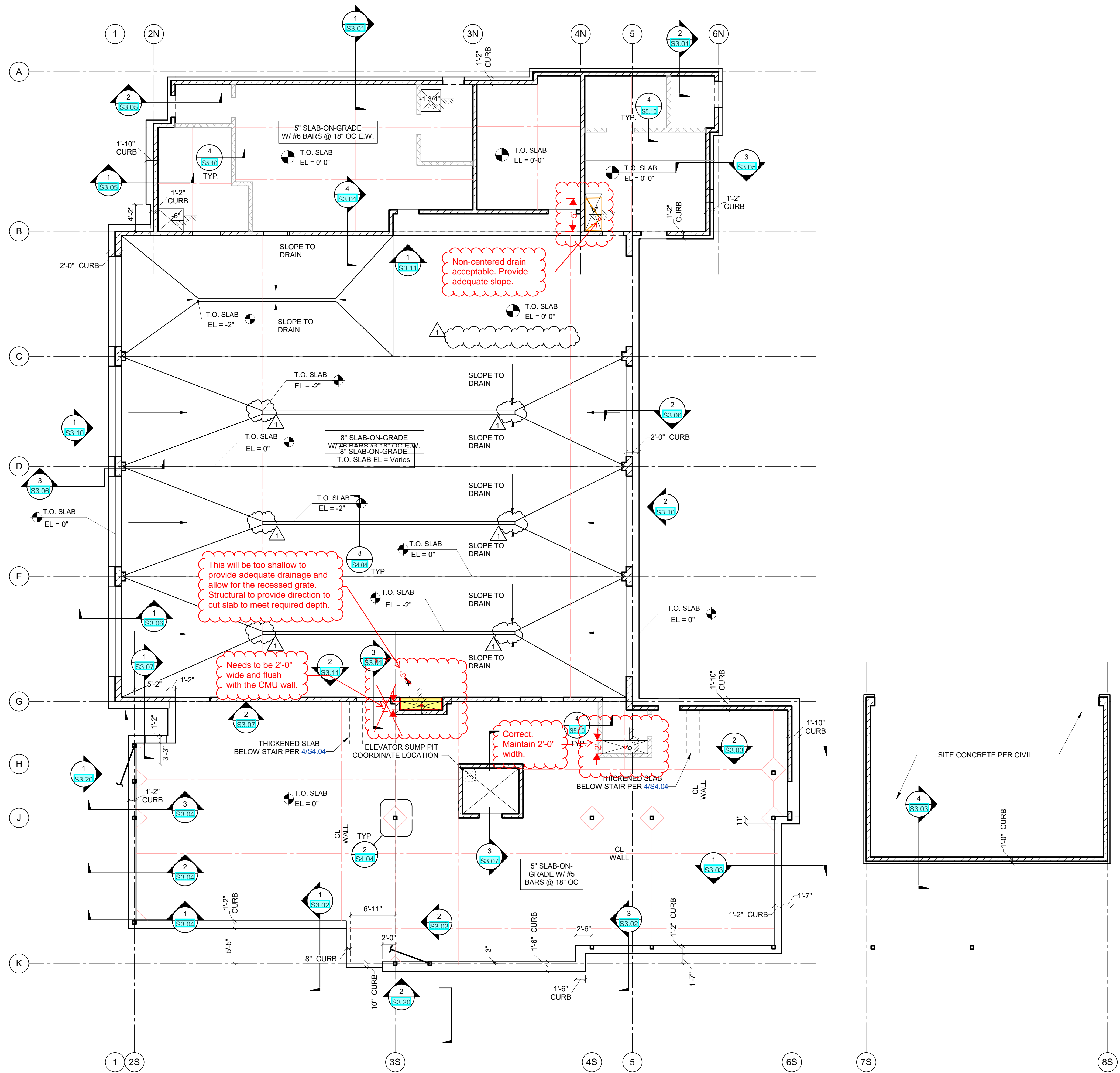
- 1) Drain locations are acceptable. Maintain required slope for adequate drainage.
- 2) 3" depressed slab will be too shallow to provide adequate drainage and allow for the recessed grate. Structural to provide direction to cut slab to meet required depth.
- 3) Drain location is acceptable. Maintain required slope for adequate drainage.
- 4) Maintain 2'-0" width.

Crystal McColly  
Cole Architects  
11/4/20

BY

DATE

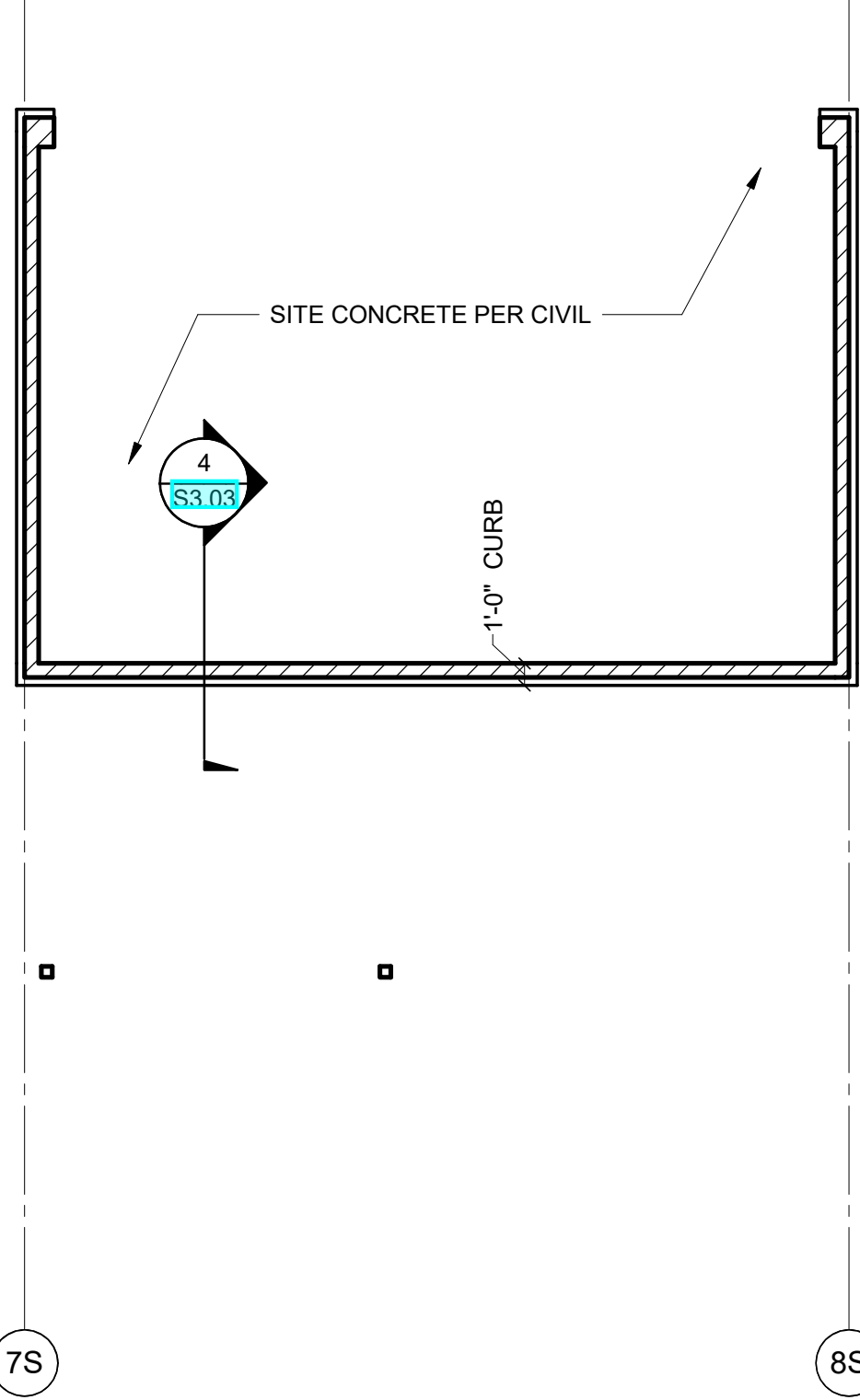
COPIES TO



1 SLAB ON GRADE PLAN  
1/8" = 1'-0"

- SLAB-ON-GRADE PLAN NOTES:
1. SEE ARCH FOR SLAB ON GRADE FINISH REQUIREMENTS.
  2. FOR TYPICAL BASE PREPARATION SEE 7/S4.04
  3. PLACE TOP REINF LAYER 1 1/2" CLR BELOW SAW-CUT CONTROL JOINT DO NOT CUT BAR WHEN CUTTING. SEE 1/S4.04 FOR CONTROL JOINTS.
  4. SEE ARCH PLANS FOR EDGE OF SLAB EXTENTS.
  5. COORDINATE INSTALLATION OF BELOW-SLAB RADON CONTROL SYSTEM WITH MECHANICAL.
  6. COORDINATE INSTALLATION OF RADIANT HEATING SYSTEM WITH SLAB-ON-GRADE REINFORCEMENT AND CONTROL JOINTS.

- SLAB-ON-GRADE PLAN SYMBOLS:
1. T.O. CONC EL = XX'-XX" INDICATES TOP OF STRUCTURAL CONCRETE ELEVATION. 0'-0" = 5819.00' PER CIVIL.
  2. INDICATES STEP IN SLAB, SEE 3/S4.04
  3. INDICATES CMU BEARING WALL SEE WALL ELEV OR 1/S5.01 FOR REINF AS INDICATED
  4. INDICATES NONBEARING CMU WALL PER 1/S5.10 REF ARCH PLANS FOR WALL LOCATIONS.
  5. INDICATES SAW-CUT CONTROL JOINT PER 1/S4.04 CENTER UNDER WALL WHERE INDICATED "CL WALL"



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STAMP



CONSULTANT



412 E. Parkcenter Blvd.  
Suite 200  
Boise, ID 84010  
208.336.6985  
www.kpff.com

PROJECT INFORMATION



KETCHUM FIRE STATION

SADDLE ROAD  
KETCHUM, ID 83353

ISSUES

PHASE	CONSTRUCTION SET
DATE	6/19/20
JOB NUMBER	10211900175

MARK	DATE	DESCRIPTION
1	7/17/2020	ASI #1

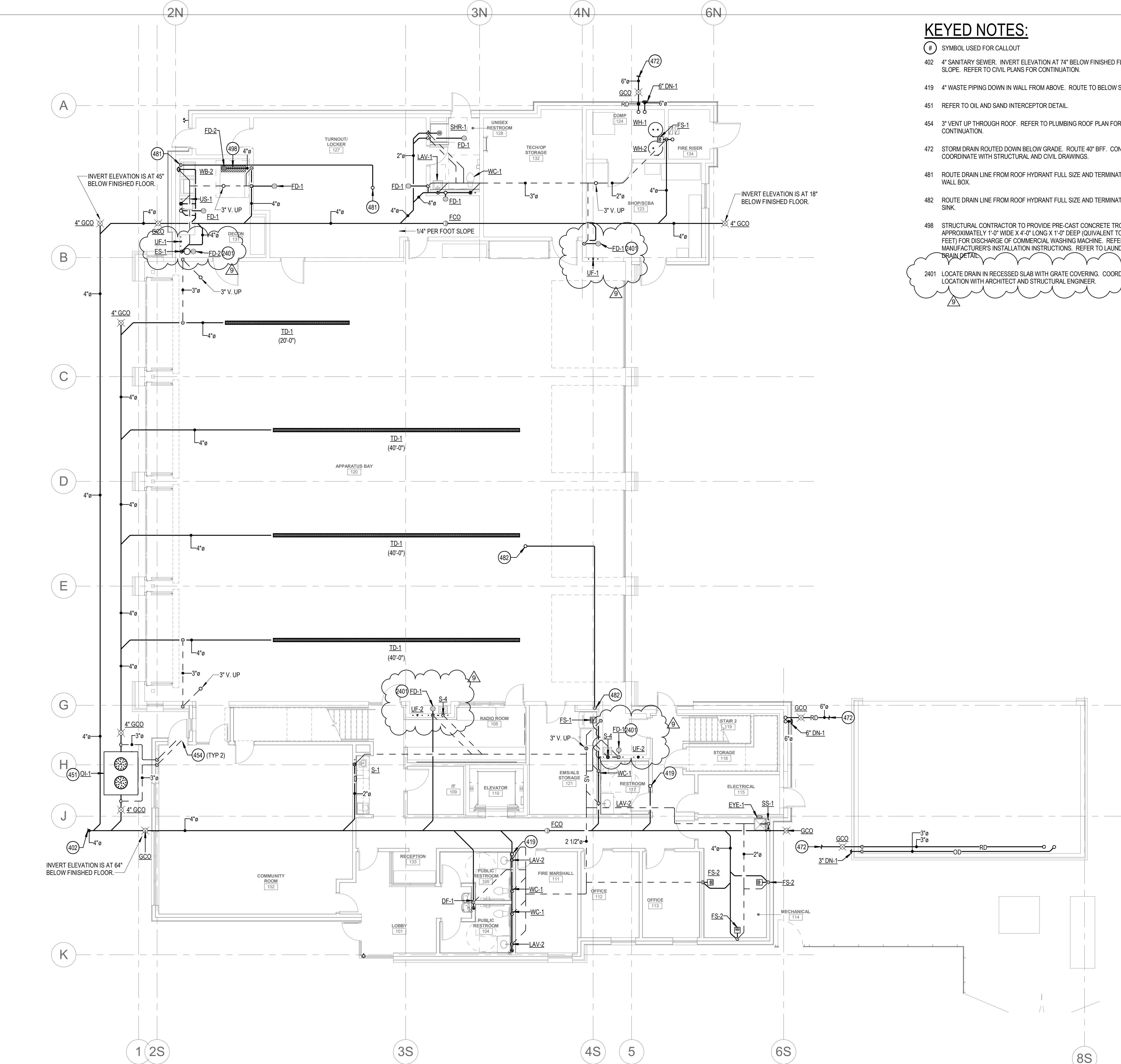
SHEET NAME

SLAB ON GRADE PLAN

SHEET NUMBER

S2.01a





**1 PLUMBING WASTE AND VENT - LEVEL 01**  
SCALE | 1/8" = 1'-0"

### KEYED NOTES:

- 402 4" SANITARY SEWER. INVERT ELEVATION AT 74" BELOW FINISHED FLOOR @ 1/4" SLOPE. REFER TO CIVIL PLANS FOR CONTINUATION.
- 419 4" WASTE PIPING DOWN IN WALL FROM ABOVE. ROUTE TO BELOW SLAB.
- 451 REFER TO OIL AND SAND INTERCEPTOR DETAIL.
- 454 3" VENT UP THROUGH ROOF. REFER TO PLUMBING ROOF PLAN FOR CONTINUATION.
- 472 STORM DRAIN ROUTED DOWN BELOW GRADE. ROUTE 40" BFF. CONTRACTOR TO COORDINATE WITH STRUCTURAL AND CIVIL DRAWINGS.
- 481 ROUTE DRAIN LINE FROM ROOF HYDRANT FULL SIZE AND TERMINATE AT WASHER WALL BOX.
- 482 ROUTE DRAIN LINE FROM ROOF HYDRANT FULL SIZE AND TERMINATE AT FLOOR SINK.
- 498 STRUCTURAL CONTRACTOR TO PROVIDE PRE-CAST CONCRETE TROUGH APPROXIMATELY 1'-0" WIDE X 4'-0" LONG X 1'-0" DEEP (EQUIVALENT TO 4 CUBIC FEET) FOR DISCHARGE OF COMMERCIAL WASHING MACHINE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO LAUNDRY TRENCH DRAIN DETAIL.
- 2401 LOCATE DRAIN IN RECESSED SLAB WITH GRATE COVERING. COORDINATE EXACT LOCATION WITH ARCHITECT AND STRUCTURAL ENGINEER.



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PROJECT #19-366

PROJECT INFORMATION



**KETCHUM FIRE STATION**

107 SADDLE ROAD, KETCHUM ID 83353

ISSUES

PHASE CONSTRUCTION SET

DATE 6/19/2020

JOB NUMBER 18-022

MARK	DATE	DESCRIPTION
1	7/17/20	ASI #1
7	8/31/20	RFI #CC-62
8	9/03/20	RFI #CC-62R1
9	09/21/2	RFI #CC-77
0		

SHEET NAME

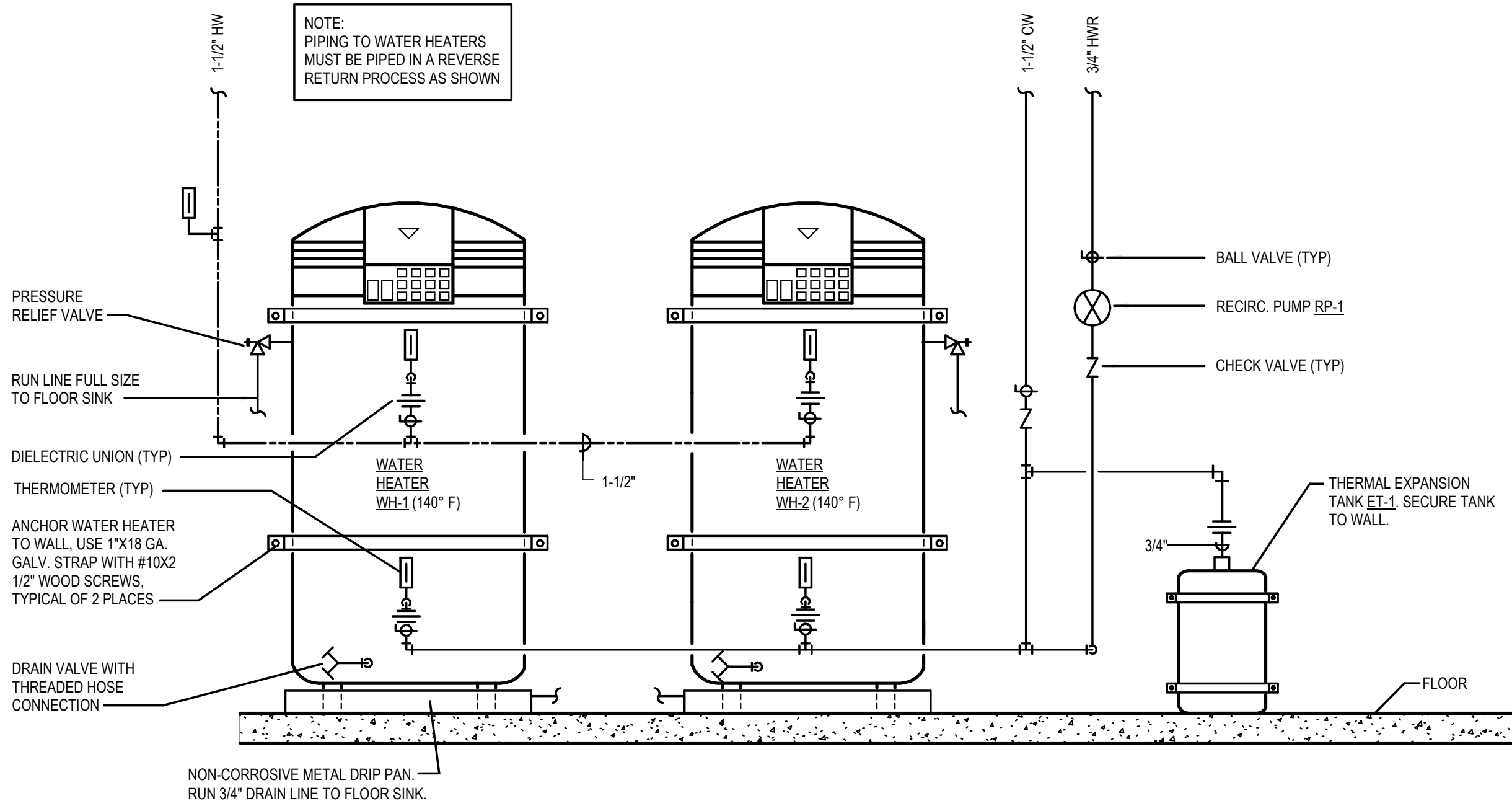
**PUMBING WASTE AND VENT PLAN - LEVEL 01**

SHEET NUMBER

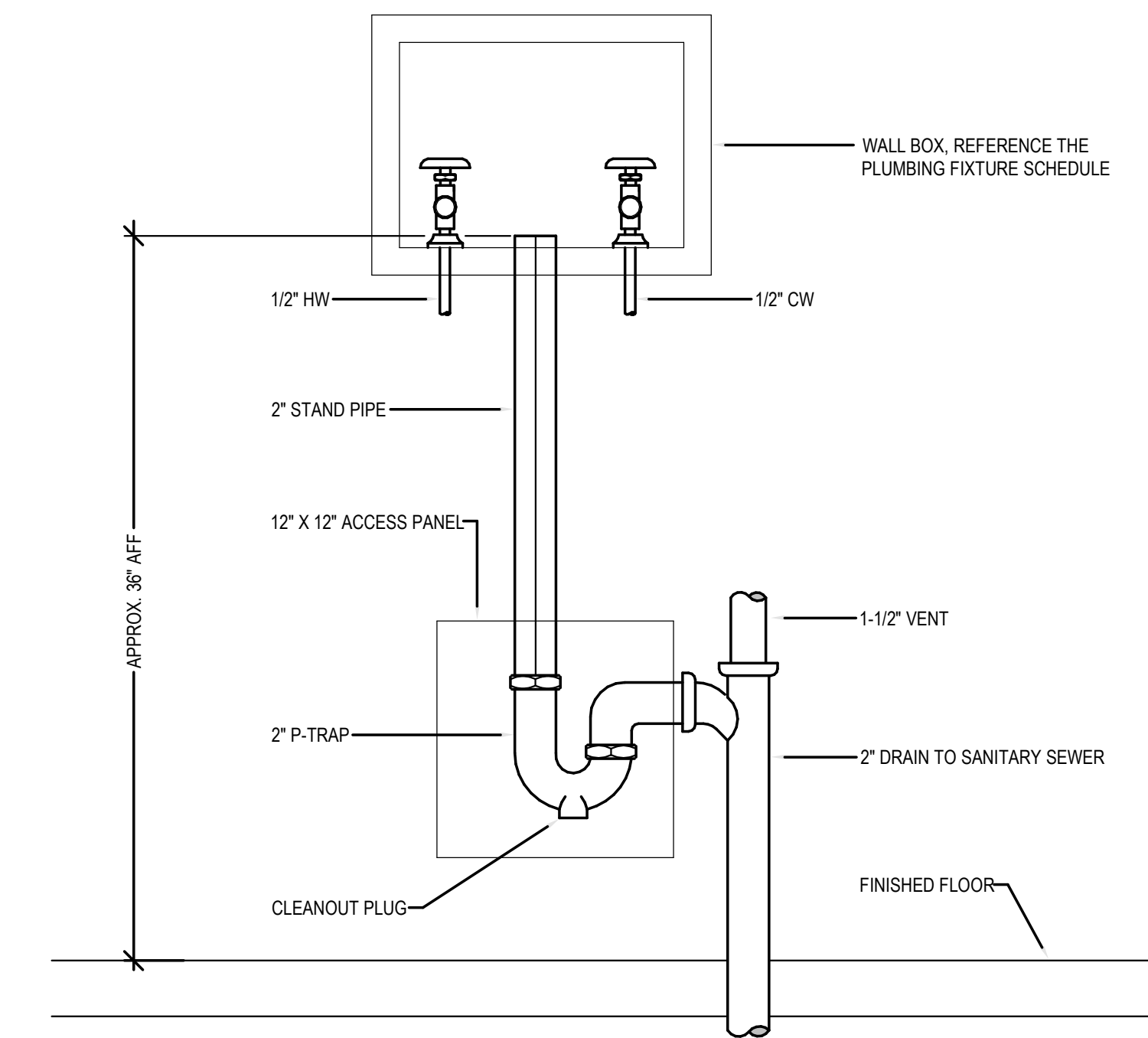
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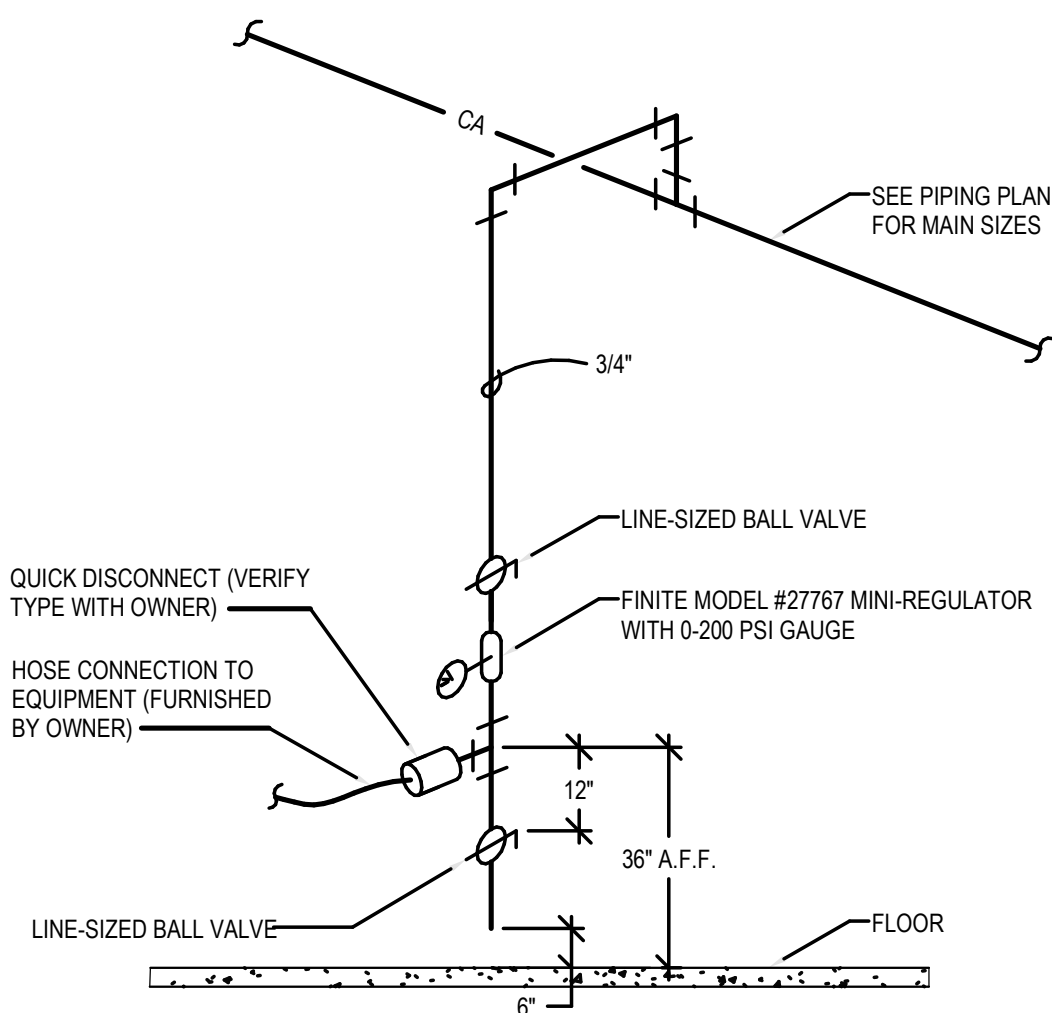
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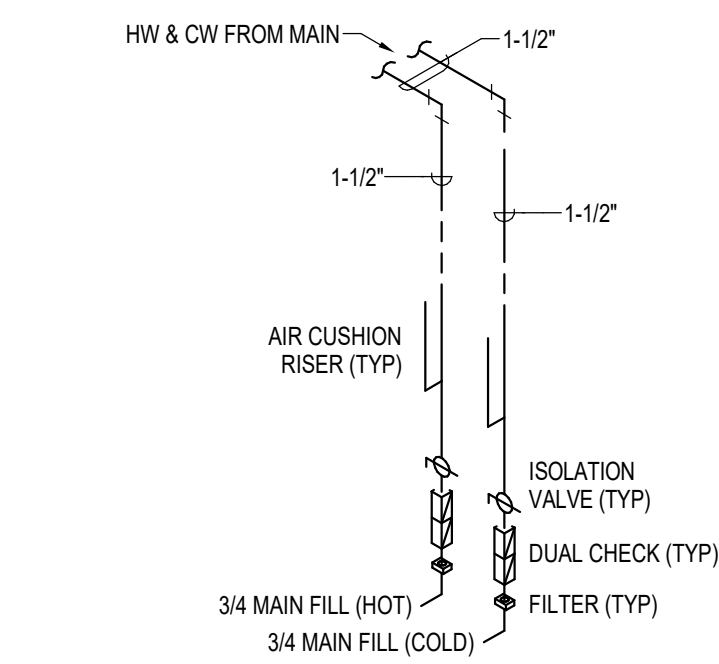
**1 ELECTRIC GAS WATER HEATER PIPING DETAIL**  
SCALE | NTS



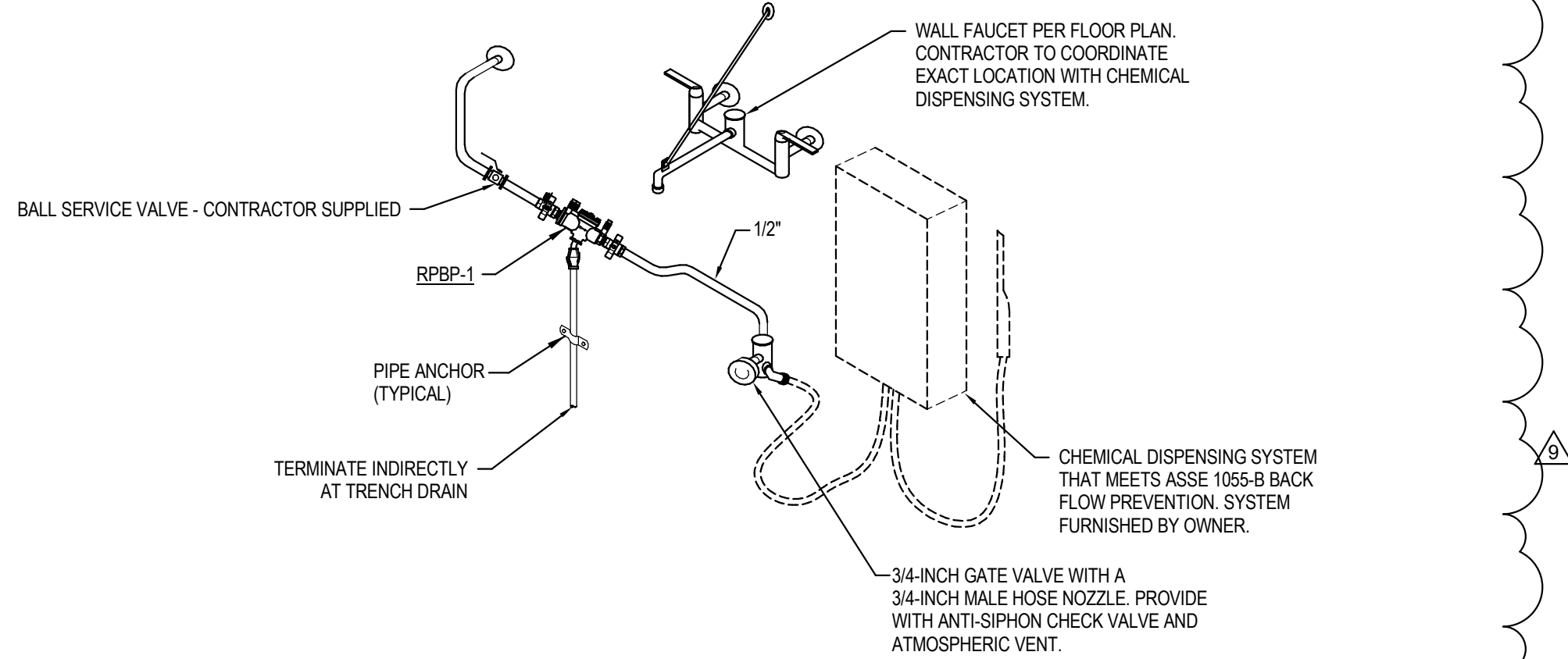
**3 WASHING MACHINE HOOK-UP DETAIL**  
SCALE | NTS



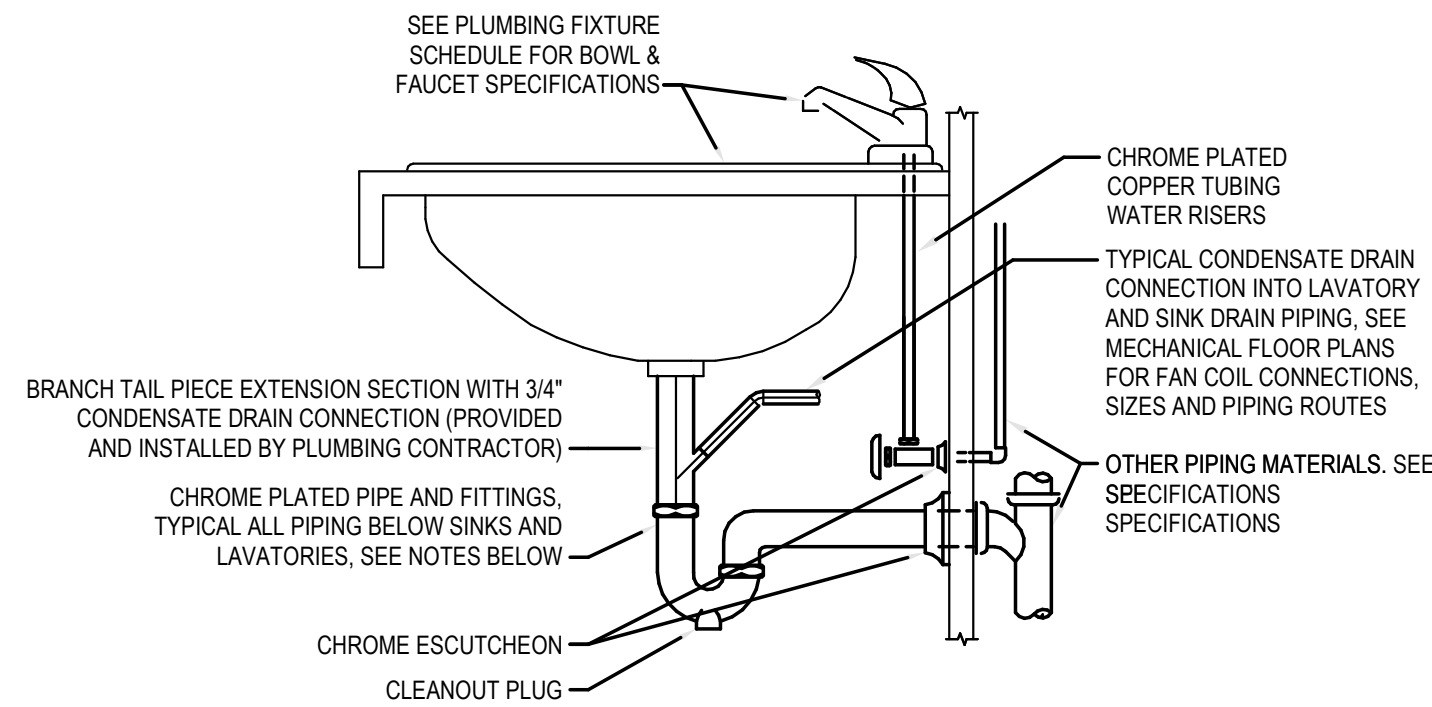
**4 COMPRESSED AIR DETAIL**  
SCALE | NTS



**6 COMMERCIAL LAUNDRY PIPING DIAGRAM**  
SCALE | NTS

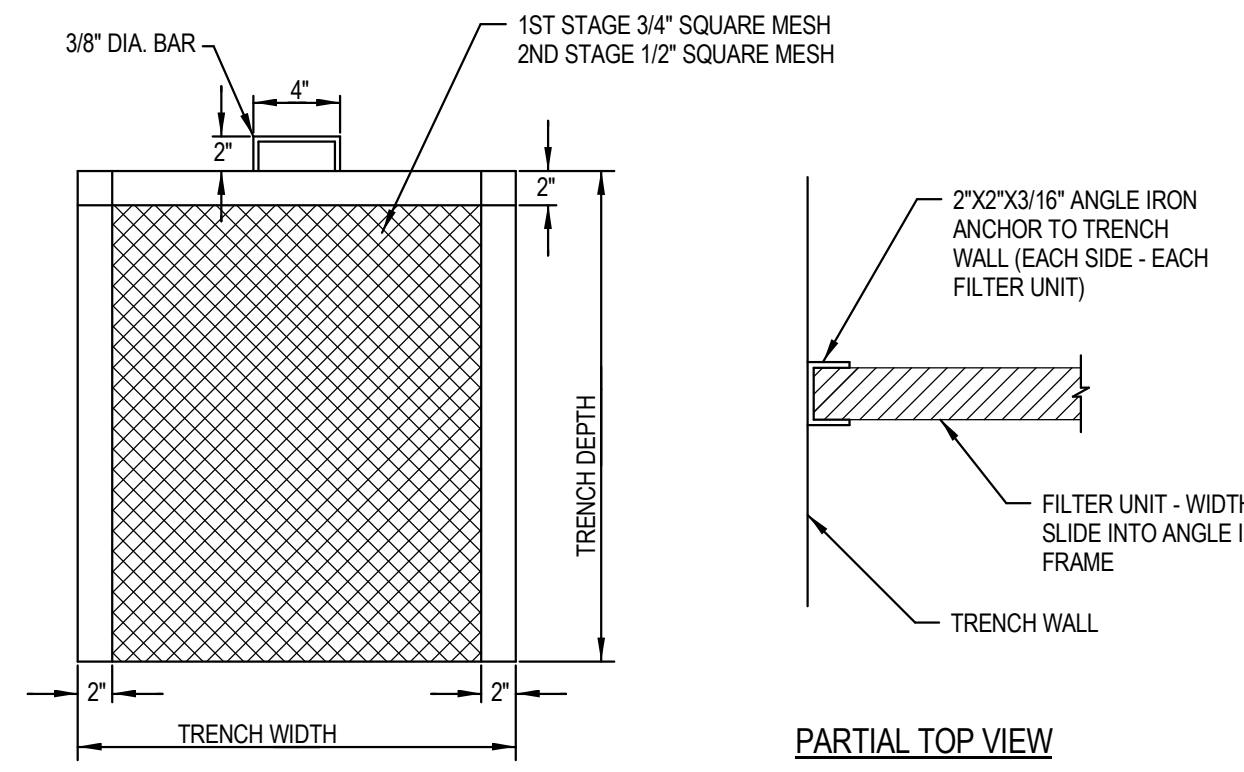
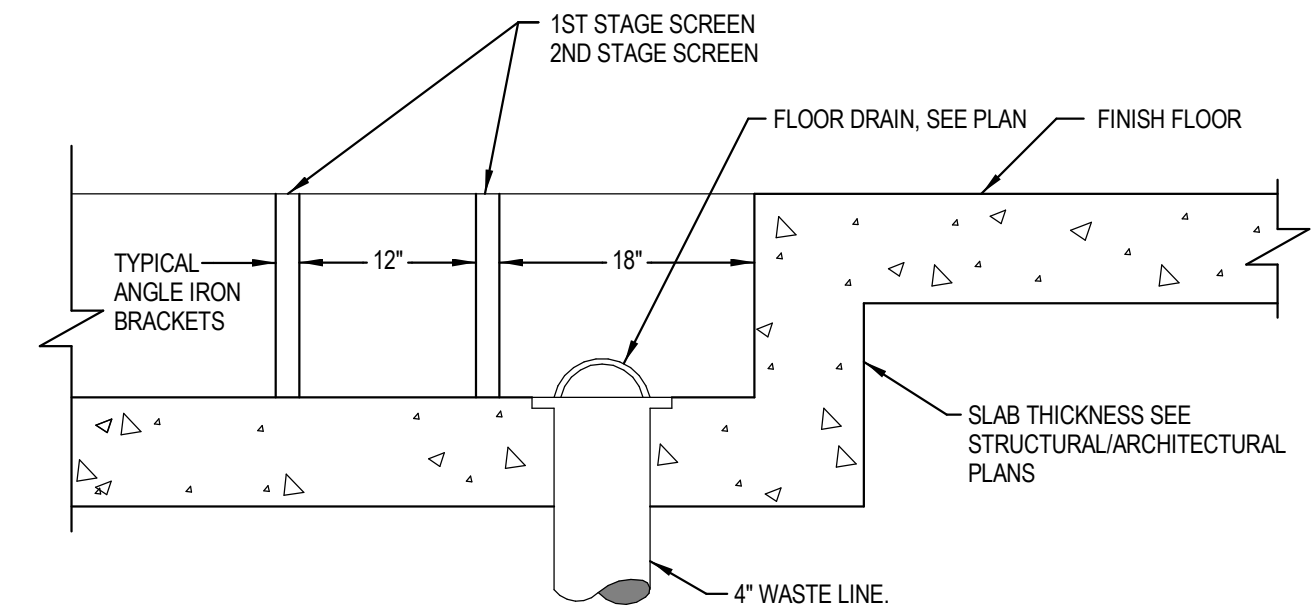


**7 CHEMICAL MIXING STATION DETAIL**  
NTS



- NOTES:**
- INTERIOR EXPOSED PIPE, VALVES AND FIXTURE TRIM, INCLUDING TRIM BEHIND CASEWORK DOORS, SHALL BE CHROME PLATED.
  - ALL PIPING PENETRATIONS THROUGH FINISHED WALLS SHALL BE PROVIDED WITH CHROME ESCUTCHEONS.
  - ALL SINK AND LAVATORY TRAPS SHALL BE PROVIDED WITH A CLEANOUT PLUG IN THE BOTTOM OF THE TRAP.
  - ALL PLUMBING FIXTURES SHALL BE CAULKED AND SEALED TO SURROUNDING SURFACES.
  - PLUMBING CONTRACTOR SHALL VERIFY THE LOCATION OF ALL LAVATORIES AND SINKS THAT NEED TO BE INSTALLED WITH THE BRANCH TAIL PIECE SECTION WITH 3/4\"/>

**2 SINK/LAVATORY TAILPIECE & TRAP DETAIL (W/ CONDENSATE)**  
SCALE | NTS



**5 COMMERCIAL LAUNDRY TRENCH DRAIN DETAIL**  
SCALE | NTS



PHASE	CONSTRUCTION SET
DATE	6/19/2020
JOB NUMBER	18-022

MARK	DATE	DESCRIPTION
7	8/31/20	RFI #CC-62
9	09/21/2	RFI #CC-77
0		



PLUMBING FIXTURE SCHEDULE							
SYMBOL	FIXTURE DESCRIPTION	CONNECTION SIZE					MANUFACTURER / MODEL NUMBER / DESCRIPTION / ADDITIONAL COMMENTS
		WASTE	VENT	TRAP	CW	HW	
<u>CM-1</u>	WALL BOX (WATER SUPPLY TO COFFEE MAKER)	--	--	--	1/2	--	PROVIDED BY OTHERS, INSTALLED BY CONTRACTOR. PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER ON SUPPLY LINE.
<u>D-1</u>	DISPOSER	2	1 1/2	1 1/2	--	--	PROVIDED BY OTHERS, INSTALLED BY CONTRACTOR.
<u>DF-1</u>	DRINKING FOUNTAIN WITH BOTTLE FILLING STATION (INTERIOR DUAL BUBBLERS) (ELECTRIC WATER COOLER) (ADA COMPLIANT) (HIGH/LOW)	1 1/2	1 1/2	1 1/2	1/2	--	ELKAY MODEL LZSTLRWSLK,HIGH/LOW COOLER WITH BOTTLE FILLING STATION WITH FLEXI-GUARD STREAMSAVER BUBBLER, OPERATED BY FRONT OR SIDE PUSH BARS AND BOTTLE FILLING STATION OPERATED BY SENSOR ACTIVATION WITH AUTOMATIC 30-SECOND SHUT-OFF TIMER. 115 VOLT, 4.5 AMP, 60 HERTZ, AND FILTER. PROVIDE WITH JAY R. SMITH 0834 FLOOR MOUNTED SUPPORT CARRIER.
<u>DN-1</u>	DOWN SPOUT NOZZLE (CAST IRON)	SEE PLANS	--	--	--	--	JAY R. SMITH FIGURE NUMBER 1770-NB CAST IRON NOZZLE WITH WALL FLANGE, NICKEL-BRONZE FINISH.
<u>DW-1</u>	DISHWASHER	--	--	--	--	1/2	PROVIDED BY OTHERS, CONNECT WASTE TO DISPOSAL. SEE DETAIL SHEET P2.00.
<u>ET-1</u>	EXPANSION TANK	--	--	--	3/4	--	AMTROL THERM-X-TROL ST-25V, OR APPROVED EQUAL. NON-ASME SERIES THERMAL EXPANSION ABSORBER, ANTIMICROBIAL LINER, AND 5 YEAR WARRANTY.
<u>ES-1</u>	EMERGENCY EYE WASH/ SHOWER COMBINATION (FLOOR MOUNTED) (ADA COMPLIANT)	1 1/2	1 1/2	1 1/2	1 1/4	1-1/4	ACORN MODEL SZ310 BARRIER FREE COMBINATION SHOWER AND EYE WASH, WITH PULL ROPE AND PUSH FLAG. ABS SHOWERHEAD AND EYE/FACE WASH. PROVIDE WITH DUST COVER AND UNIVERSAL SIGN. PROVIDE WITH FD-1 AND ACORN MODEL E771 LEAD FREE, THERMOSTATIC MIXING VALVE OR EQUAL. 1-1/4" TEMPERED WATER.
<u>EYE-1</u>	EMERGENCY EYE WASH (WALL MOUNTED)	--	--	--	1/2	1/2	ACORN SAFETY MODEL S0406-CH12-BFP, WALL MOUNTED WITH DUAL 45° ANGLED HEADS AND RECOIL HOSE, PROVIDE WITH FLIP TOP DUST COVERS, UNIVERSAL EMERGENCY SIGN. DOUBLE CHECK BACKFLOW, STAINLESS STEEL 90° WITH SHEET NIPPLE, AND ACORN MODEL E771 THERMOSTATIC MIXING VALVE OR EQUAL. LEAD FREE, WITH TEMPERATURE GAUGE ON OUTLET.
<u>FCO</u>	FLOOR CLEANOUT	SEE PLANS	--	--	--	--	JAY R. SMITH 4020 SERIES WITH ADJUSTABLE TOP AND ABS PLUG. PROVIDE WITH FIGURE NUMBER 9912 FOR HEIGHT ADJUSTMENT AFTER CONCRETE POUR.
<u>FD-1</u>	FLOOR DRAIN (CONCRETE FLOOR)	2	2	2	--	--	JAY R. SMITH FIGURE NUMBER 2005Y-A09NB, NO-HUB OUTLET, 5" ROUND, NICKEL BRONZE FINISH, WITH ADJUSTABLE STRAINER AND TRAP PRIMER. INSTALL TOP OF DRAIN 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
<u>FD-2</u>	FLOOR DRAIN (CONCRETE FLOOR)	4	2	4	--	--	JAY R. SMITH FIGURE NUMBER 2005Y-A08NB, NO-HUB OUTLET, 8" ROUND, NICKEL BRONZE FINISH, WITH ADJUSTABLE STRAINER AND TRAP PRIMER. INSTALL TOP OF DRAIN 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
<u>FILL-1</u>	FLUSH CONNECTION	--	--	--	3	--	BUILDING CONNECTIONS MODEL 152 2.5" WALL MOUNT FLUSH OUTLET. INSTALL WITH MODEL 164 CONTROL VALVE.
<u>FS-1</u>	FLOOR SINK (HALF GRATE) (10" DEEP) (FOOT TRAFFIC RATED)	4	2	4	--	--	JAY R. SMITH FIGURE NUMBER 3160Y-12, CAST IRON RECEPTOR, ALUMINUM DOME STRAINER, NICKEL BRONZE GRATE, AND TRAP PRIMER. INSTALL TOP OF SINK 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
<u>GCO</u>	GRADE CLEANOUT (NON-PAVED AREAS)	SEE PLANS	--	--	--	--	JAY R. SMITH 4220 SERIES WITH ABS PLUG.
<u>GCO</u>	GRADE CLEANOUT (PAVED AREAS) (VEHICULAR TRAFFIC)	SEE PLANS	--	--	--	--	JAY R. SMITH 4250 SERIES, ROUND FLANGED HOUSING WITH HEAVY DUTY CAST IRON COVER. FURNISH WITH ABS PLUG. COVER TO BE INSCRIBED "S&N".
<u>HB-1</u>	HOSE BIBB (EXTERIOR) (NON-FREEZE)	--	--	--	3/4	--	WOODFORD MODEL 67 - EXPOSED STYLE WITH MODEL 50HA BACKFLOW PREVENTER, 3/4" INLET, AND CHROME PLATED. PROVIDE WITH TEE KEY AND INSTALL AT 18" ABOVE FINISH GRADE.
<u>HB-2</u>	HOSE BIBB (INTERIOR)	--	--	--	3/4	--	WOODFORD MODEL 26 - EXPOSED STYLE WITH 3/4" INLET, AND CHROME PLATED. PROVIDE WITH METAL WHEEL HANDLE AND WOODFORD MODEL 50HF BACKFLOW PREVENTER.
<u>LAV-1</u>	LAVATORY (WALL MOUNTED) (ADA COMPLIANT)	1 1/2	1 1/2	1 1/4	1/2	1/2	KOHLER KINGSTON MODEL K-2005: VITREOUS CHINA, WALL MOUNTED, HOLES ON 4" CENTERS, AND GRID STRAINER. CHICAGO FAUCETS MODEL 420-E39VPABCP. 3-3/4" LONG, SINGLE LEVER FAUCET WITH 0.35 GPM AERATOR. PROVIDE WITH JAY R. SMITH FIGURE NUMBER 0700-Z SUPPORT WITH CONCEALED ARMS AND WATTS SERIES USG-B THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRONZE BODY INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F. PROVIDE WITH LS-1 LAV SHIELD.
<u>LAV-2</u>	LAVATORY (COUNTERTOP / CABINET MOUNTED) (ADA COMPLIANT)	1 1/2	1 1/2	1 1/4	1/2	1/2	KOHLER PENNINGTON MODEL K-2196-4 VITREOUS CHINA, COUNTERTOP-MOUNTED SINK WITH HOLES ON 4" CENTERS, AND GRID STRAINER. CHICAGO FAUCETS MODEL 420-E39VPABCP. 3-3/4" LONG, SINGLE LEVER FAUCET WITH 0.35 GPM AERATOR. PROVIDE WITH WATTS SERIES LFUSG-B THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, LEAD-FREE BRASS BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F. PROVIDE WITH PIPING INSULATION, TRUEBRO LAV GUARD, PLUMBEREX HANDI-SHIELD, OR EQUAL.
<u>LS-1</u>	LAVATORY SHIELD (WALL MOUNTED SHIELD FOR CONCEALING PIPING, VALVES, AND INSTANTANEOUS WATER HEATERS)	--	--	--	--	--	TRUEBRO "LAV SHIELD" ADA COMPLIANT, TOTAL ENCLOSURE. SINGLE-PIECE CONSTRUCTION, SLOAN OPTISHIELD ETF-529, OR APPROVED EQUAL.
<u>OD-1</u>	OVERFLOW ROOF DRAIN (LOW PROFILE DOME STYLE) (METAL GRATE)	--	--	--	--	--	JAY R. SMITH FIGURE NUMBER 1070Y-R-C-RS-CID WITH CAST IRON DOME GRATE AND RAIN SHIELD.
<u>OI-1</u>	OIL AND SAND INTERCEPTOR (1500 GALLONS)	4	3	--	--	--	PRE-CAST CONCRETE, 1500 GALLON CAPACITY, OIL AND SAND INTERCEPTOR. SEE DRAWING FOR DETAILS. NO SPLIT DESIGN VAULTS WITH GASKETS BELOW FLUID LEVEL ALLOWED.
<u>PF-1</u>	POT FILLER	--	--	--	1/2	1/2	PROVIDED BY OTHERS, INSTALLED BY CONTRACTOR.
<u>RD-1</u>	ROOF DRAIN (LOW PROFILE DOME STYLE) (METAL GRATE)	--	--	--	--	--	JAY R. SMITH FIGURE NUMBER 1010Y-R-C-CID WITH CAST IRON DOME GRATE.
<u>RH-1</u>	ROOF HYDRANT (NON-FREEZE)	--	--	--	1	--	WOODFORD MODEL RH2-MS, NON-FREEZE STYLE WITH 3/4" HOSE CONNECTION AND INTEGRAL DOUBLE CHECK BACKFLOW PREVENTER. REQUIRES 1/8" DRAIN HOLE TO BE PIPED TO A DRAIN LOCATION.
<u>RP-1</u>	RECIRCULATION PUMP (HOT WATER RETURN SYSTEM)	--	--	--	--	3/4	BELL AND GOSSETT BRONZE MODEL NBF-22, 115 VOLT, 0.8 AMPS, 92 WATTS, AND SHALL PROVIDE 7 GPM AT 10 FEET HEAD. INCLUDE 7-DAY PROGRAMMABLE ELECTRONIC TIME CLOCK WITH BATTERY BACKUP, INTERMITIC MODEL GMD4VE-RD89. APPROVED ALTERNATE: ARMSTRONG, TACO, GRUNDFOS.
<u>RPBP-1</u>	REDUCED PRESSURE BACKFLOW PREVENTER	INDIRECT			--	--	WATTS SERIES LF009 REDUCED PRESSURE ZONE ASSEMBLY WITH QUARTER TURN BALL VALVES, BRONZE STRAINER, AND AIR GAP. BRONZE BODY CONSTRUCTION - 1/2" THRU 2", PROVIDE WITH STRAINER. LEAD FREE. 2 1/2" THRU 10" 95° SERIES. SEE NOTE 6.
<u>S-1</u>	SINK - SINGLE COMPARTMENT (17" X 20" X 6 1/2") (ADA COMPLIANT)	2	1 1/2	1 1/2	1/2	1/2	ELKAY LUSTERTONE MODEL LRAD-1720: 6-1/2" DEEP STAINLESS STEEL SINK. ELKAY MODEL LK-3001 SINGLE LEVER FAUCET WITH 1.5 GPM AERATOR, SWING SPOUT, AND HOSE SPRAY. PROVIDE WITH ELKAY MODEL LK-35 CHROME PLATED TAILPIECE AND STAINLESS STEEL BASKET, AND WATTS SERIES USG-B THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRONZE BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F.
<u>S-2</u>	KITCHEN SINK - DOUBLE COMPARTMENT (14" X 14" X 6 1/2" - EACH) (ADA COMPLIANT)	2	1 1/2	1 1/2	1/2	1/2	ELKAY LUSTERTONE MODEL LRAD-3319: 6-1/2" DEEP STAINLESS STEEL SINK. ELKAY MODEL LK-3001 SINGLE LEVER FAUCET WITH 1.5 GPM AERATOR, SWING SPOUT, AND HOSE SPRAY. PROVIDE WITH ELKAY MODEL LK-35 CHROME PLATED TAILPIECE AND STAINLESS STEEL BASKET, AND WATTS SERIES USG-B THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRONZE BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F.
<u>S-3</u>	PREP SINK - SINGLE COMPARTMENT (15" X 15" X 7")	2	1 1/2	1 1/2	1/2	1/2	ELKAY LUSTERTONE MODEL BLR150C: 7" DEEP, STAINLESS STEEL SINK WITH ELKAY MODEL LKD2223, DUAL HANDLE MIXING FAUCET WITH HIGH GOOSENECK SPOUT AND 1.5 GPM AERATOR. PROVIDE ELKAY MODEL LK-35 CHROME PLATED TAILPIECE AND STAINLESS STEEL BASKET.
<u>S-4</u>	BOOT WASH HAND SINK (17" X 15" X 5-1/2")	2	1 1/2	1 1/2	1/2	1/2	REGENCY 600HS17: 17"x15", STAINLESS STEEL SINK WITH INTEGRATED GOOSENECK FAUCET. PROVIDE CHROME PLATED TAILPIECE AND STAINLESS STEEL BASKET.
<u>SHR-1</u>	SHOWER (42" X 38" X 79") (INSERT STYLE) (ADA COMPLIANT)	2	1 1/2	2	1/2	1/2	BEST BATH SYSTEMS MODEL LCS4238A5T, WITH A 1/2" THRESHOLD, ONE PIECE CLASSIC TILE FINISH. SHOWER MODULE SHALL BE CONSTRUCTED OF GELCOAT/FIBERGLASS WITH FULL INTEGRAL PLYWOOD BACKING IN ALL THE WALLS FOR STRENGTH AND CUSTOMIZED INSTALLATION OF ACCESSORIES. PRE-LEVELLED FLOOR FOR EASY INSTALLATION. NOTE LOW THRESHOLD DESIGN REQUIRES 8" X 8" BLOCK OUT CENTERED AT DRAIN PIPE LOCATION. ACCESSORIES: (1) 12" S.S. GRAB BAR, (1) 24" S.S. GRAB BAR, (1) 27" S.S. GRAB BAR, (1) SURFACE MOUNTED SOAP DISH (1) SIOUX CHIEF CAULKLESS BRASS DRAIN #827-2B WITH CHROME SCREEN, (1) TWS COLLAPSIBLE T" SHAPED WATER RETAINER. ALSO INCLUDE MOEN MODEL 8346EP15, 1.5 GPM ECO-PERFORMANCE HANDHELD SHOWER SYSTEM, POSI-TEMP, WITHOUT VOLUME CONTROL, ADJUSTABLE TEMPERATURE LIMIT STOP, 1/4 TURN STOPS, 4 PORT CYCLING VALVE, HANDHELD SHOWER, 69" DOUBLE SWIVEL HOSE ASSEMBLY, 30" SLIDE BAR, VACUUM BREAKER, DROP ELL, AND STAINLESS STEEL CURTAIN ROD. PROVIDE TAPE-WEIGHTED SHOWER CURTAIN.
<u>SHR-2</u>	SHOWER (42" X 38" X 79") (INSERT STYLE) (ADA COMPLIANT)	2	1 1/2	2	1/2	1/2	BEST BATH SYSTEMS MODEL LCS4238A5T, WITH A 1/2" THRESHOLD, ONE PIECE CLASSIC TILE FINISH. SHOWER MODULE SHALL BE CONSTRUCTED OF GELCOAT/FIBERGLASS WITH FULL INTEGRAL PLYWOOD BACKING IN ALL THE WALLS FOR STRENGTH AND CUSTOMIZED INSTALLATION OF ACCESSORIES. PRE-LEVELLED FLOOR FOR EASY INSTALLATION. NOTE LOW THRESHOLD DESIGN REQUIRES 8" X 8" BLOCK OUT CENTERED AT DRAIN PIPE LOCATION. ACCESSORIES: (1) 12" S.S. GRAB BAR, (1) 24" S.S. GRAB BAR, (1) 27" S.S. GRAB BAR, (1) 32"x16" PHENOLIC LAB, ADA COMPLIANT, SWING-DOWN SEAT WITH LEGS, (1) SURFACE MOUNTED SOAP DISH (1) SIOUX CHIEF CAULKLESS BRASS DRAIN #827-2B WITH CHROME SCREEN, (1) TWS COLLAPSIBLE T" SHAPED WATER RETAINER. ALSO INCLUDE MOEN MODEL 8346EP15, 1.5 GPM ECO-PERFORMANCE HANDHELD SHOWER SYSTEM, POSI-TEMP, WITHOUT VOLUME CONTROL, ADJUSTABLE TEMPERATURE LIMIT STOP, 1/4 TURN STOPS, 4 PORT CYCLING VALVE, HANDHELD SHOWER, 69" DOUBLE SWIVEL HOSE ASSEMBLY, 30" SLIDE BAR, VACUUM BREAKER, DROP ELL, AND STAINLESS STEEL CURTAIN ROD. PROVIDE TAPE-WEIGHTED SHOWER CURTAIN.

PLUMBING FIXTURE SCHEDULE							
SYMBOL	FIXTURE DESCRIPTION	CONNECTION SIZE					MANUFACTURER / MODEL NUMBER / DESCRIPTION / ADDITIONAL COMMENTS
		WASTE	VENT	TRAP	CW	HW	
<u>SS-1</u>	SERVICE SINK (24" X 24" X 10") (FLOOR MOUNTED)	3	2	3	1/2	1/2	ACORN TERRAZZO-WARE MODEL TRH-242410: PROVIDE AND INSTALL WITH STAINLESS STEEL BUMPER GUARD, DRAIN GASKET, CHROME FAUCET, 36" HOSE AND WALL HANGER, MOP HANGER, AND 2 SIDE STAINLESS STEEL WALL GUARD.
<u>TD-1</u>	TRENCH DRAIN (10" WIDE) (HEAVY TRAFFIC RATED)	4	2	4	--	--	JAY R. SMITH FIGURE NUMBER 9812 10" WIDE TRENCH DRAIN SYSTEM. SLOPE DRAIN SYSTEM WITH INTEGRAL METAL RAIL, PROVIDE WITH END CAPS, OUTLETS, CATCH BASIN (9812G-B80-CB24-BP), AND HEAVY DUTY (CLASS C) GALVANIZED STEEL BAR GRATE (MODEL 9812-G). REFER TO ARCHITECTURAL PLAN FOR EXACT LENGTH REQUIREMENTS.
<u>TP-1</u>	TRAP PRIMER (PRESSURE ACTIVATED) (1 TO 4 TRAPS)	--	--	--	1/2"	--	PRECISION PLUMBING PRODUCTS MODEL CPO-500 WITH DU DISTRIBUTION UNIT IF REQUIRED FOR SERVING MORE THAN ONE TRAP. APPROVED ALTERNATES: MIFAB, SIOUX CHIEF, SLOAN, AND ZURN
<u>TP-1</u>	TRAP PRIMER (FLUSH VALVE PRIMER) (1 TRAP)	--	--	--	1/2"	--	PRECISION PLUMBING PRODUCTS MODEL FVP-1VB WITH VACUUM BREAKER. TRAP PRIMER TUBING SHALL BE INSTALLED OFF BACK OF FLUSH VALVE. APPROVED ALTERNATES: MIFAB, SIOUX CHIEF, SLOAN, AND ZURN
<u>TP-1</u>	TRAP PRIMER (LAVATORY TAILPIECE PRIMER) (1 TRAP)	--	--	--	1/2"	--	DEARBORN BRASS 1-1/2" TRAP PRIMER TAILPIECE WITH COMPRESSION CONNECTION.
<u>UF-1</u>	UTILITY FAUCET	--	--	--	1/2	1/2	ACORN UTILITY FAUCET OPTION KFC: BRASS CONSTRUCTION WITH ROUGH CHROME FINISH, TWO HANDLES, 8" CENTERSET, WALL MOUNTED, PAIL HOOK WITH 9-1/4" REACH, WALL BRACE, VACUUM BREAKER, AND 3/4" THREADED SPOUT.
<u>UF-2</u>	UTILITY FAUCET	--	--	--	3/4	3/4	T&S BRASS AND BRONZE WORKS MV-0771-11N MIXING VALVE. CHROME PLATED WITH TWO HANDLES, 6" CENTER SET, WALL MOUNTED, PAIL HOOK WITH 9-1/4" REACH, WALL BRACE, VACUUM BREAKER, AND 3/4" THREADED SPOUT. PROVIDE WITH 50' HOSE, REAR TRIGGER STAINLESS STEEL WATER GUN & HOSE RACK.
<u>US-1</u>	UTILITY SINK (23" X 21" X 13") (FLOOR MOUNTED)	2	1 1/2	1 1/2	1/2	1/2	FIAT MOLDED STONE MODEL FL-1. PROVIDE WITH A-1 DECK CHROME FAUCET, DRAIN WITH STOPPER, AND EASY LEVELING LEGS.
<u>WB-1</u>	WALL BOX (WATER SUPPLY TO ICE MAKER)	--	--	--	1/2	--	OATEY FIREMASTER MODEL 39121 WITH FACEPLATE, ADJUSTABLE METAL SUPPORT BRACKET, AND WATER HAMMER ARRESTOR. FIRE-RATED, LOW LEAD, OR APPROVED EQUAL.
<u>WB-2</u>	WALL BOX (SUPPLY TO AND DRAIN FROM WASHING MACHINE)	2	1 1/2	2	1/2	1/2	OATEY FIREMASTER MODEL 38478 WITH ADJUSTABLE METAL SUPPORT BRACKET, AND WATER HAMMER ARRESTORS. FIRE RATED, OR APPROVED EQUAL.
<u>WC-1</u>	WATER CLOSET (DUAL FLUSH TANK) (FLOOR MOUNTED) (COMFORT HEIGHT / ADA)	4	2	INT.	1/2	--	KOHLER HIGHLINE MODEL K-3899, DUAL FLUSH, FLOOR MOUNTED, GRAVITY FLUSH TANK WITH ELONGATED BOWL, 1.6 GPF OR 1.1 GPF. PROVIDE KOHLER LUSTRA MODEL K-4650 ELONGATED, OPEN FRONT SEAT WITH CHECK HINGE AND COVER.
<u>WCO</u>	WALL CLEANOUT	SEE PLANS	--	--	--	--	JAY R. SMITH 44727 SERIES WITH CAST BRONZE TAPER THREAD PLUG, STAINLESS STEEL ROUND COVER, AND A STAINLESS STEEL VANDAL PROOF SCREW.
<u>WH-1</u>	WATER HEATER (119 GALLON UPRIGHT MODEL) (208V-30 ELECTRIC)	--	--	--	SEE PLANS	SEE PLANS	BRADFORD WHITE MODEL E32-120R-3, SIMULTANEOUS TRIPLE ELEMENTS, (3) 6 KW, 208V/3Ø, 28" DIAMETER, 63" TALL, WITH TOP CONNECTIONS. PROVIDE WITH WALL BRACKET SUPPORT AND SEISMIC STRAP.
<u>WH-2</u>	WATER HEATER (119 GALLON UPRIGHT MODEL) (208V-30 ELECTRIC)	--	--	--	SEE PLANS	SEE PLANS	BRADFORD WHITE MODEL E32-120R-3, SIMULTANEOUS TRIPLE ELEMENTS, (3) 6 KW, 208V/3Ø, 28" DIAMETER, 63" TALL, WITH TOP CONNECTIONS. PROVIDE WITH WALL BRACKET SUPPORT AND SEISMIC STRAP.
NOTES:							
1. ALL ADA COMPLIANT FIXTURES MUST COMPLY WITH ICC/ANSI A117.1. SEE ARCHITECTURAL PLANS FOR HANDICAPPED FIXTURE DESIGNATIONS, LOCATIONS, CLEARANCES, AND MOUNTING HEIGHTS.							
2. ALL EXPOSED HW PIPING, CW PIPING, AND DRAIN LINES BENEATH ALL LAVATORIES AND ALL ADA COMPLIANT SINKS MUST BE INSULATED TO PREVENT INJURY. REFER TO ARCHITECTURAL PLANS. INSULATE WITH MOLDED CLOSED CELL VINYL INSULATION - TRUEBRO, PLUMBEREX, OR EQUAL.							
3. PROVIDE P-TRAP PRIMERS FOR ALL FLOOR DRAINS AND FLOOR SINKS. PROVIDE A BALL TYPE SHUT-OFF VALVE UPSTREAM OF PRIMER VALVE. SEE SPECIFICATIONS.							
4. SEE SPECIFICATIONS FOR ALTERNATE APPROVED MANUFACTURERS.							
5. BACKFLOW PREVENTION: THIS BUILDING IS PROVIDED WITH A BACKFLOW PREVENTION DEVICE ON THE MAIN WATER SERVICE AND REDUCED PRESSURE BACKFLOW PREVENTION ON THE FOLLOWING PIECES OF EQUIPMENT: COFFEE MAKER ICE MAKER EVAPORATIVE COOLER NON-POTABLE LOOP AT APPARATUS BAY							

GAS SIZING CHART (METER #1)			
SYMBOL	INPUT (MBH)	RUNOUT SIZE (2-PSI) (INCHES)	EQUIPMENT CONNECTION SIZES (7" WC) (INCHES)
<u>B-5</u> (RADIANT FLOOR SYSTEM)	399.0	1/2	3/4
<u>B-6</u> (RADIANT FLOOR SYSTEM)	399.0	1/2	3/4
<u>B-7</u> (RADIANT FLOOR SYSTEM)	399.0	1/2	3/4
<u>B-8</u> (RADIANT FLOOR SYSTEM)	399.0	1/2	3/4
RADIANT HEATERS 200.0 MBH (XS)	1000.0	1/2 (EACH)	3/4
GAS GENERATOR	1511.0	1	1
TOTAL	4107.0	EQUIVALENT LENGTH = 150 FT PRESSURE = 2-PSI MAIN SIZE = 1-1/2"	

NOTE: GAS SIZES TO EQUIPMENT ARE AS NOTED IN SCHEDULE ABOVE. ROUTE NOTED (2-PSI) GAS LINE TO GAS EQUIPMENT. PROVIDE GAS COCK AND PRESSURE REGULATOR (2-PSI - 7" WC) SIZED FOR GAS LOAD AT EACH PIECE OF EQUIPMENT. VENT TO ATMOSPHERE PER MANUFACTURERS RECOMMENDATIONS. ROUTE NOTED (7" WC) GAS LINE TO GAS FIRED EQUIPMENT WITH GAS COCK AND FLEX CONNECTOR AT UNIT. SEE GAS CONNECTION DETAILS ON SHEET P\_\_\_\_.

GAS SIZING CHART (METER #2)			
SYMBOL	INPUT (MBH)	RUNOUT SIZE (2-PSI) (INCHES)	EQUIPMENT CONNECTION SIZES (7" WC) (INCHES)
<u>B-1</u> (SNOW MELT SYSTEM)	399.0	1/2	3/4
<u>B-2</u> (SNOW MELT SYSTEM)	399.0	1/2	3/4
<u>B-3</u> (SNOW MELT SYSTEM)	399.0	1/2	3/4
<u>B-4</u> (SNOW MELT SYSTEM)	399.0	1/2	3/4
TOTAL	1596.0	EQUIVALENT LENGTH = 50 FT PRESSURE = 2-PSI MAIN SIZE = 1"	

NOTE: GAS SIZES TO EQUIPMENT ARE AS NOTED IN SCHEDULE ABOVE. ROUTE NOTED (2-PSI) GAS LINE TO GAS EQUIPMENT. PROVIDE GAS COCK AND PRESSURE REGULATOR (2-PSI - 7" WC) SIZED FOR GAS LOAD AT EACH PIECE OF EQUIPMENT. VENT TO ATMOSPHERE PER MANUFACTURERS RECOMMENDATIONS. ROUTE NOTED (7" WC) GAS LINE TO GAS FIRED EQUIPMENT WITH GAS COCK AND FLEX CONNECTOR AT UNIT. SEE GAS CONNECTION DETAILS ON SHEET P\_\_\_\_.



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ENGINEERING, P.A.

234 S. WHISPERWOOD WAY  
BOISE, IDAHO 83709  
(208) 384-0585  
PROJECT #19-366

PROJECT INFORMATION



KETCHUM FIRE  
STATION

107 SADDLE ROAD, KETCHUM ID 83353

ISSUES

PHASE CONSTRUCTION SET

DATE 6/19/2020

JOB NUMBER 18-022

MARK	DATE	DESCRIPTION
6	8/17/20	ASI #2
9	09/21/2	RFI #CC-77
0		

SHEET NAME

PLUMBING FIXTURE  
SCHEDULE

SHEET NUMBER

P6.00



Regional office for CORE NV company  
777 N 4th St  
Bosie, Idaho 83702

**Project:** 5-20-01-006 - CoK - City of Ketchum Fire Station  
107 Saddle Road  
Ketchum, Idaho 83353

## Added Plumbing Fixtures in ASI-04 Drawing not Included in Narrative

<b>TO:</b>	Alex Goedhart (Cole Architects) Crystal McColly (Cole Architects)	<b>FROM:</b>	Chris Schratwieser (CORE Construction - Las Vegas) 7150 Cascade Valley Court Las Vegas, Nevada 89128
<b>DATE INITIATED:</b>	11/19/2020	<b>STATUS:</b>	Open
<b>LOCATION:</b>		<b>DUE DATE:</b>	11/26/2020
<b>PROJECT STAGE:</b>	Course of Construction	<b>COST CODE:</b>	
<b>COST IMPACT:</b>	Yes (Unknown)	<b>SCHEDULE IMPACT:</b>	
<b>DRAWING NUMBER:</b>	P2.00	<b>SPEC SECTION:</b>	
<b>LINKED DRAWINGS:</b>		<b>REFERENCE:</b>	

**RECEIVED FROM:** JT Brown (CORE Construction - Las Vegas)

**COPIES TO:**

JT Brown (CORE Construction - Las Vegas), Grant Gager (City of Ketchum), Cary Goldberg (DPPM Project Management), Bill McLaughlin (City of Ketchum), Dennis Potts (DPPM Project Management), Chris Schratwieser (CORE Construction - Las Vegas), Matt Sylvester (CORE Construction - Las Vegas), Brett Traylor (Evans Plumbing Incorporated (EPI))

### Question from Chris Schratwieser (CORE Construction - Las Vegas) at 12:25 PM on 11/19/2020

Upon further review of the plumbing drawing P2.00 issued as part of ASI-4 various items were not included in the narrative that effect the function of the plumbing system. Please confirm design intent and added scope:

- 1) At the App Bay 120 Alcove located in the southeast corner of the app bay along the south wall of the alcove there is a UF-2 and S-4 fixture callout that did not previously exist.
- 2) At Shop/SCBA 123 keynote 2402 was added referencing the added RPBP-1. UF-1 was also added, both are in the Southwest corner of that room
- 3) At Decon Room 131 in the Southwest corner UF-1 and RPBP-1 with keynote 2402 were added.

Awaiting an Official Response

The following sheets were not formally issued with a narrative to RFI #CC-77 response as intended.

Please see attached sheets P1.00, P2.00, P5.01 & P6.00 and attached narrative in response to design intent and scope. All revisions are clouded with delta 9.

Crystal McColly  
Cole Architects  
12/30/20

BY

DATE

COPIES TO

NARRATIVE:  
RFI #CC-77R1

P1.00:

- Added note 2401.
- Shop/SCBA 123 added waste piping, FD-1, UF-1, bubble 2401.
- Decon 131 added waste piping, UF-1, bubble 2401.
- Boot wash area moved FD-1, added UF-2, S-4, bubble 2401.
- Corner of App Bay new restroom 117 extended waste piping, removed UF-1, added UF-2, S-4, FD-1, bubble 2401.

P2.00:

- Added note 2402.
- Decon 131 added water lines, RBPB-1, UF-1, bubble 2402.
- Shop/SCBA 123 added water lines, UF-1, RBPB-1, bubble 2402.
- Boot wash area added water lines, UF-2, S-4.
- Corner of App Bay new restroom 117 added water lines, removed UF-1, added UF-2, S-4.

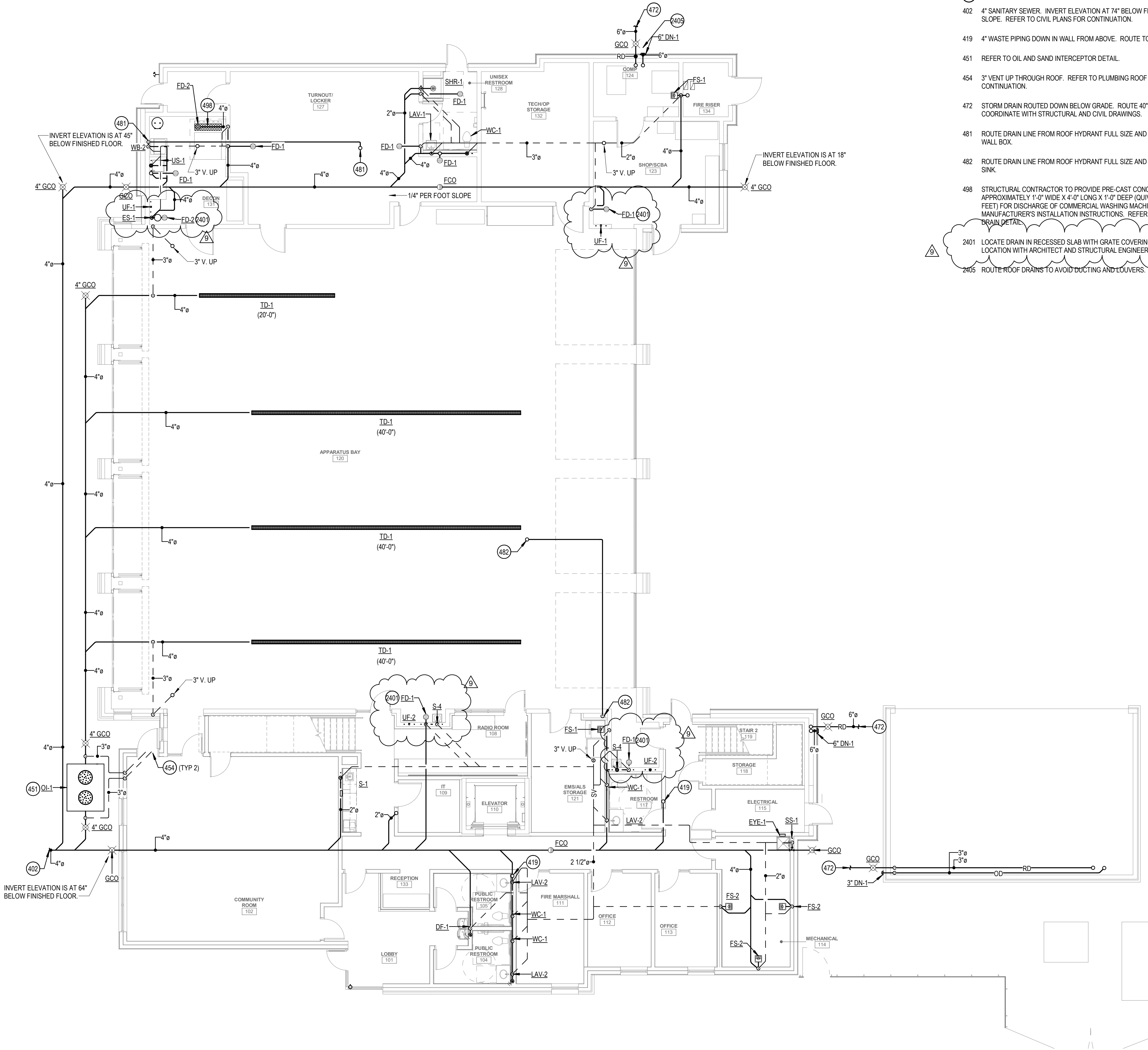
P5.01:

- Added detail 7.

P6.00:

- Added S-4
- Added UF-2.





## KEYED NOTES:

- ④ SYMBOL USED FOR CALLOUT
- 402 4\" SANITARY SEWER. INVERT ELEVATION AT 74\" BELOW FINISHED FLOOR @ 1/4\" SLOPE. REFER TO CIVIL PLANS FOR CONTINUATION.
- 419 4\" WASTE PIPING DOWN IN WALL FROM ABOVE. ROUTE TO BELOW SLAB.
- 451 REFER TO OIL AND SAND INTERCEPTOR DETAIL.
- 454 3\" VENT UP THROUGH ROOF. REFER TO PLUMBING ROOF PLAN FOR CONTINUATION.
- 472 STORM DRAIN ROUTED DOWN BELOW GRADE. ROUTE 40\" BFF. CONTRACTOR TO COORDINATE WITH STRUCTURAL AND CIVIL DRAWINGS.
- 481 ROUTE DRAIN LINE FROM ROOF HYDRANT FULL SIZE AND TERMINATE AT WASHER WALL BOX.
- 482 ROUTE DRAIN LINE FROM ROOF HYDRANT FULL SIZE AND TERMINATE AT FLOOR SINK.
- 498 STRUCTURAL CONTRACTOR TO PROVIDE PRE-CAST CONCRETE TROUGH APPROXIMATELY 1'-0\" WIDE X 4'-0\" LONG X 1'-0\" DEEP (EQUIVALENT TO 4 CUBIC FEET) FOR DISCHARGE OF COMMERCIAL WASHING MACHINE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO LAUNDRY TRENCH DRAIN DETAIL.
- 2401 LOCATE DRAIN IN RECESSED SLAB WITH GRATE COVERING. COORDINATE EXACT LOCATION WITH ARCHITECT AND STRUCTURAL ENGINEER.
- 2405 ROUTE ROOF DRAINS TO AVOID DUCTING AND LOUVERS.

**COLE**  
ARCHITECTS

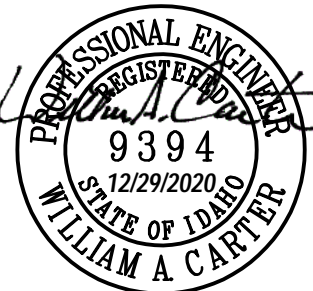
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PROJECT #19-366

PROJECT INFORMATION



**KETCHUM FIRE  
STATION**

107 SADDLE ROAD, KETCHUM ID 83353

ISSUES

PHASE CONSTRUCTION SET

DATE 6/19/2020

JOB NUMBER 18-022

MARK	DATE	DESCRIPTION
1	7/17/20	ASI #1
3	8/31/20	RFI #CC-62
4	9/03/20	RFI #CC-62R1
9	12/28/20	RFI #77R1
0		
11	10/21/20	ASI #4
0		
12	11/4/20	RFI #97R1

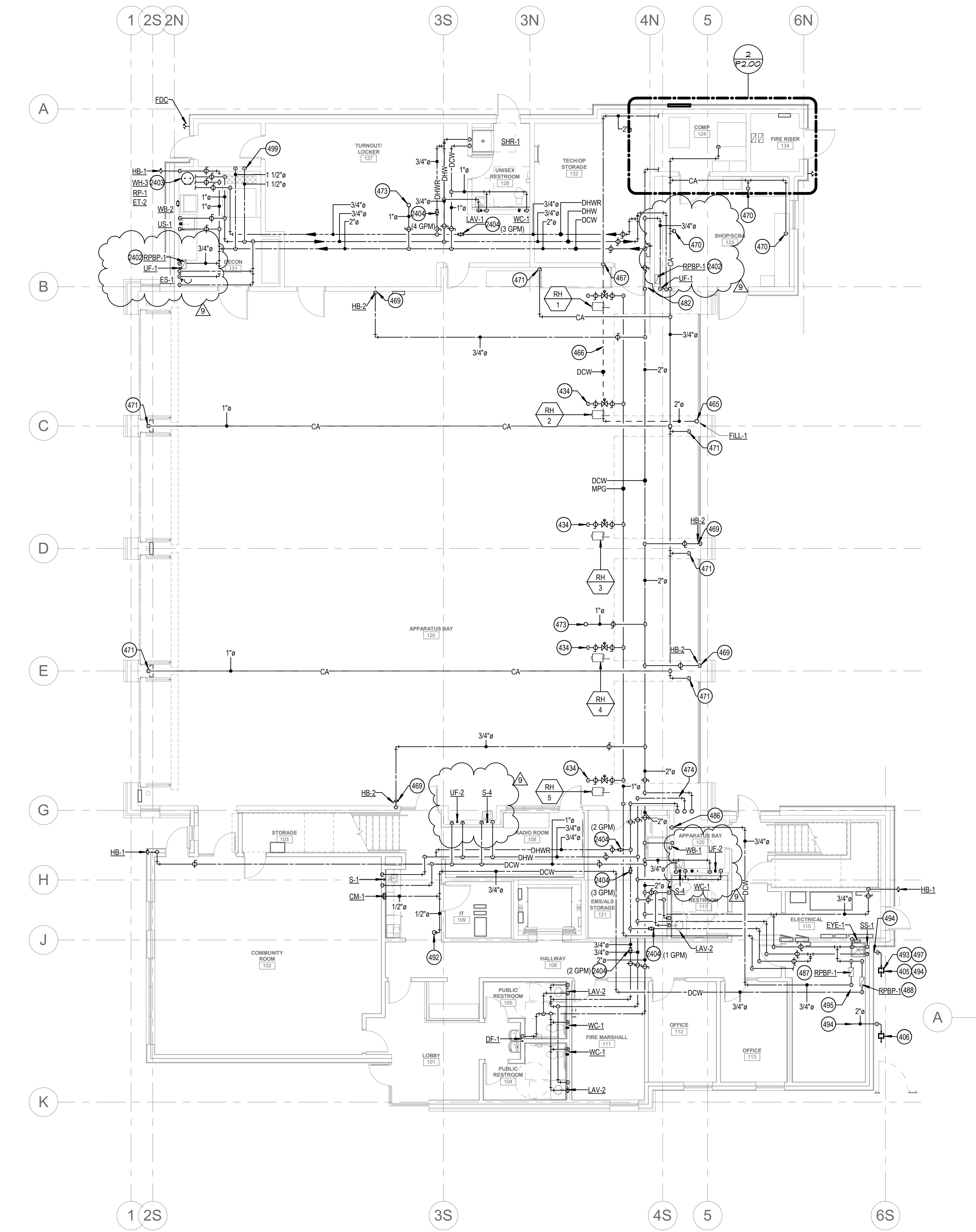
SHEET NAME

**PUMMING WASTE  
AND VENT PLAN -  
LEVEL 01**

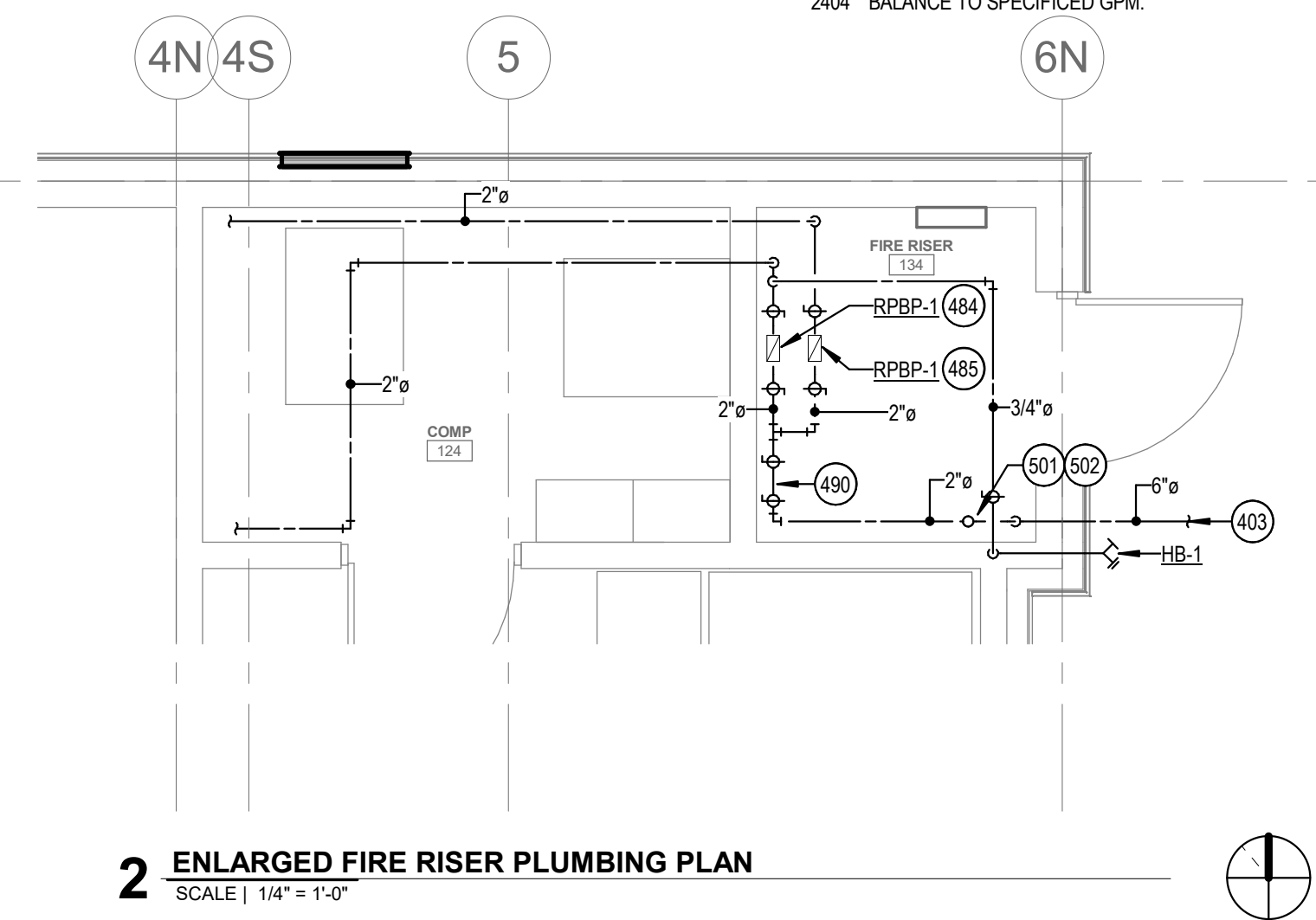
SHEET NUMBER

**P1.00**





**1 PLUMBING WATER AND GAS - LEVEL 01**  
SCALE | 1/8" = 1'-0"



**2 ENLARGED FIRE RISER PLUMBING PLAN**  
SCALE | 1/4" = 1'-0"

## KEYED NOTES:

- 403 6" CW SERVICE TO BUILDING FROM SITE. PROVIDE (2) WATER METERS INSIDE BUILDING, ONE DEDICATED TO DOMESTIC HOT WATER SYSTEM. REFER TO CIVIL PLANS FOR CONTINUATION.
- 405 GAS METER FURNISHED AND INSTALLED BY INTERMOUNTAIN GAS COMPANY. ESTIMATED GAS LOAD CAPACITY = 4100 MBH WITH A DELIVERY PRESSURE AT 2 PSI. SEE ISOMETRIC VIEWS FOR GAS ROUTING IN MECHANICAL ROOM.
- 406 SNOW MELT GAS METER FURNISHED AND INSTALLED BY INTERMOUNTAIN GAS COMPANY. ESTIMATED GAS LOAD CAPACITY = 1600 MBH WITH A DELIVERY PRESSURE AT 2 PSI. SEE ISOMETRIC VIEWS FOR GAS ROUTING IN MECHANICAL ROOM.
- 434 DROP 3/4" LOW PRESSURE GAS LINE DOWN TO GAS-FIRED RADIANT TUBE HEATER.
- 465 3" CW LINE UP FROM BELOW SLAB TO SERVE FILL SPOUT
- 466 PIPING ROUTED THRU RBP-1 THEN BELOW SLAB. SEE DETAIL. CONTRACTOR TO INSTALL TRACER LINE ON PIPING BELOW SLAB.
- 467 ROUTE 3" CW LINE DOWN BELOW SLAB.
- 469 DROP 3/4" NON-POTABLE CW LINE DOWN EXPOSED ON WALL.
- 470 DROP COMPRESSED AIR LINE DOWN WALL TO 36" AFF. REFER TO DETAIL.
- 471 DROP 1/2" COMPRESSED AIR LINE DOWN EXPOSED ON WALL.
- 473 1" CW LINE ROUTED UP TO ROOF HYDRANT.
- 474 RACK 2" CW, 1 1/2" HW, AND 3/4" HWR EXPOSED ON WALL. EXTEND THROUGH CMU WALL AND ROUTE UP IN 2ND FLOOR FURRED WALL. CONTRACTOR TO FULLY COORDINATE WALL PENETRATIONS WITH STRUCTURAL DRAWINGS. REFER TO 2ND FLOOR PLUMBING PLAN FOR CONTINUATION.
- 482 ROUTE DRAIN LINE FROM ROOF HYDRANT FULL SIZE AND TERMINATE AT FLOOR SINK.
- 484 REFER TO BUILDING WATER SERVICE DETAIL FOR ADDITIONAL INFORMATION.
- 485 REDUCED PRESSURE BACKFLOW PREVENTER FOR WATER SUPPLY TO STAND PIPE WITH QUICK FILL FIRE HOSE CONNECTION. REFER TO 1ST FLOOR PLUMBING PLAN FOR CONTINUATION.
- 486 ROUTE 3/4" CW LINE DOWN IN WALL. CONNECT TO OWNER PROVIDED ICE MAKER PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 487 REDUCED PRESSURE BACKFLOW PREVENTER FOR WATER SUPPLY TO ICE MAKER. PIPE DRAIN LINE FULL SIZE TO SERVICE SINK.
- 488 REDUCED PRESSURE BACKFLOW PREVENTER FOR WATER SUPPLY TO COFFEE MAKER. PIPE DRAIN LINE FULL SIZE TO SERVICE SINK.
- 490 PROVIDE 2" WATER METER ON 2" DOMESTIC WATER SERVICE. WATER METER TO BE LOCATED DOWNSTREAM OF FIRE RISER.
- 492 ROUTE 1/2" CW LINE UP IN WALL ABOVE. REFER TO 2ND FLOOR PLUMBING PLAN FOR CONTINUATION.
- 493 ROUTE 1/2" LOW PRESSURE GAS LINE TO BBQ STUBOUT LOCATED BEHIND APPARATUS STORAGE.
- 494 ROUTE 1", 2 PSI GAS LINE TO EACH BOILER (TYP. OF 4). INSTALL GAS REGULATOR AND CONNECT TO BOILER PER DETAIL.
- 495 RACK REDUCED PRESSURE BACKFLOW PREVENTERS ON NORTH WALL. SHOWN HERE FOR CLARITY ONLY.
- 497 ROUTE 1" MEDIUM PRESSURE GAS LINE UNDER SIDEWALK TO EMERGENCY GAS GENERATOR. PROVIDE GAS REGULATOR (2 PSI TO 7"WC.) AT GENERATOR.
- 499 HOT AND COLD WATER ROUTED TO EXTRACTOR. PROVIDE SHUT-OFF VALVES CHECK VALVES AND CONNECT TO EXTRACTOR PER MANUFACTURER'S GUIDELINES. SEE WATER CONNECTION DETAIL.
- 501 FIRE SPRINKLER LINE TO BE SIZED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR. FIRE SPRINKLER CONTRACTOR SHALL DESIGN THE FIRE SPRINKLER SYSTEM ACCORDING TO THE STATIC PRESSURE AND FLOWS AVAILABLE AS PROVIDED BY THE LOCAL WATER UTILITY COMPANY. FIRE LINE CONNECTION TO MAIN WATER SERVICE SHALL MEET STATE AND LOCAL UTILITY REQUIREMENTS.
- 502 FIRE SPRINKLER RISER LOCATION. FIRE RISER SHALL PROVIDE A COMPLETE SPRINKLER SYSTEM THAT INCLUDES A TAMPER SWITCH, FLOW SWITCH, ALARM BELL, FIRE DEPARTMENT CONNECTION, AND POST INDICATOR VALVE (PIV). SEE FLOOR PLAN FOR FDC LOCATION.
- 2402 COLD WATER LINE TO CONNECT TO RBP-1 AND CONNECT TO CHEMICAL MIXING STATION. SEE DETAIL.
- 2403 SEE WATER HEATER PIPING DETAIL WITH ONE WATER HEATER.
- 2404 BALANCE TO SPECIFIED GPM.



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PROJECT #19-366

PROJECT INFORMATION



**KETCHUM FIRE STATION**

107 SADDLE ROAD, KETCHUM ID 83353

ISSUES

ASE		CONSTRUCTION SET
TE		6/19/2020
B NUMBER		18-022
MARK	DATE	DESCRIPTION
	8/17/20	ASI #2
	8/31/20	RFI #CC-62
	12/28/20	RFI #77R1
	10/21/20	ASI #4

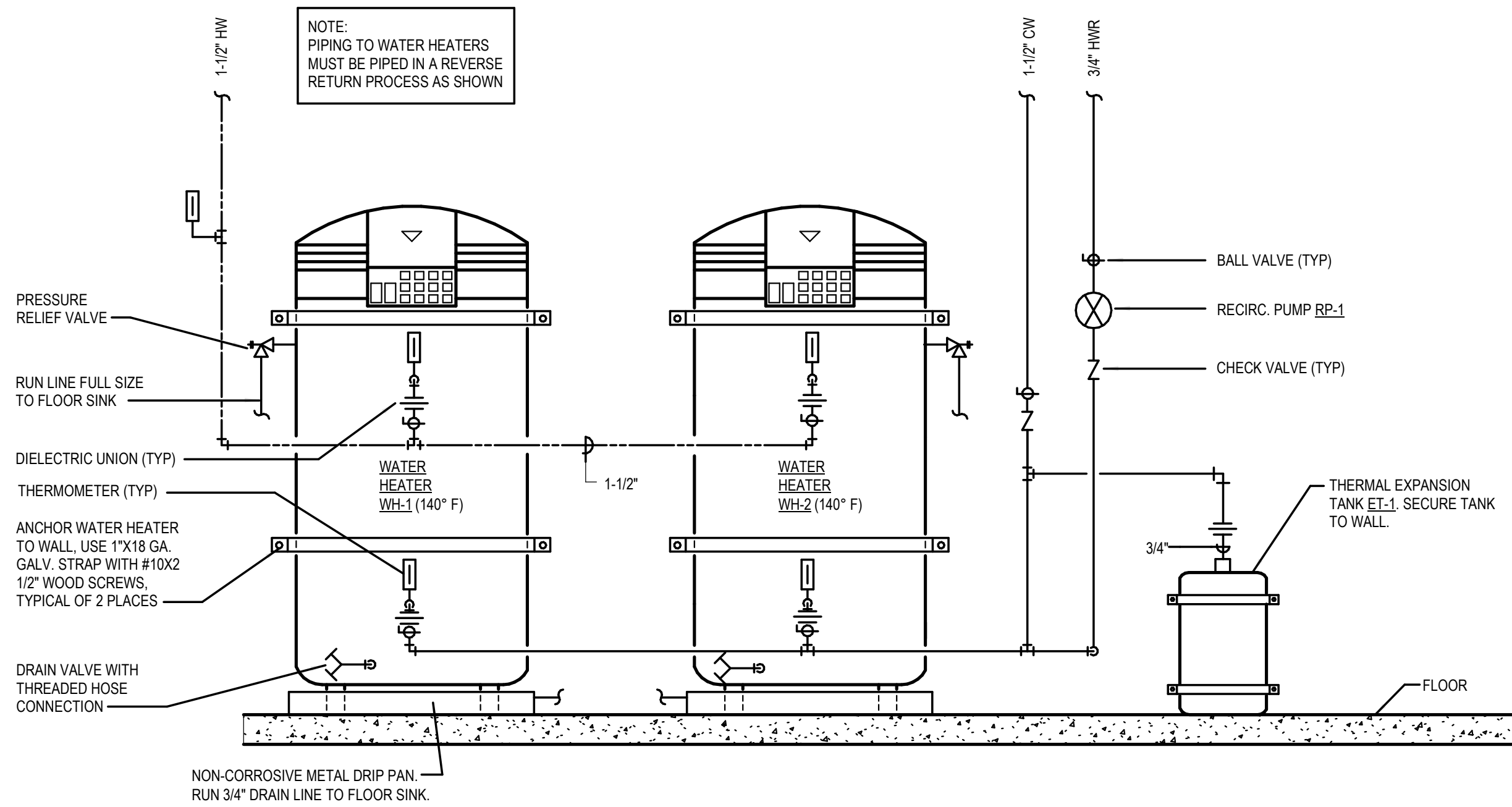
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**PLUMBING WATER AND GAS PLAN - LEVEL 01**

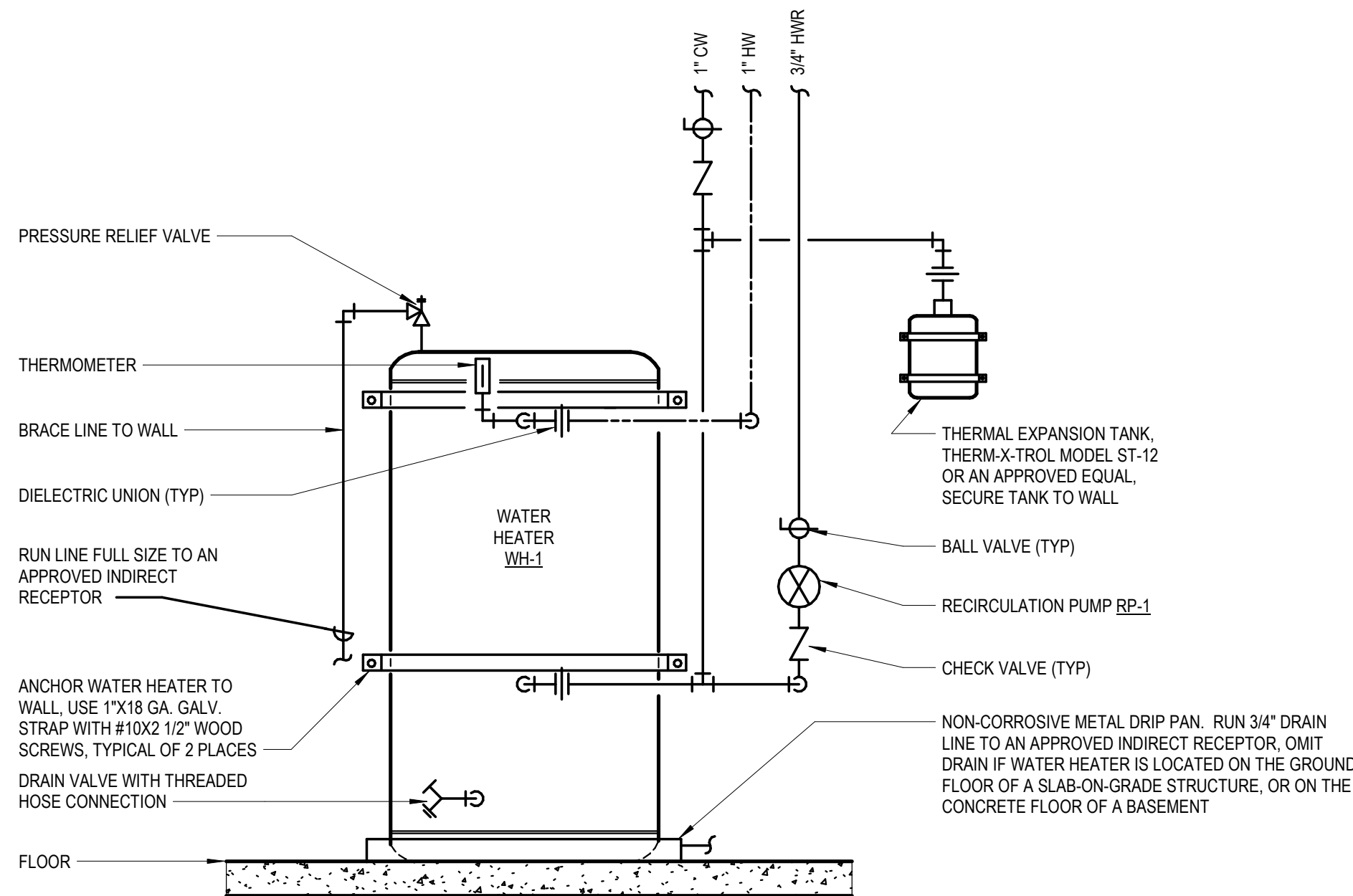
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**P2.00**

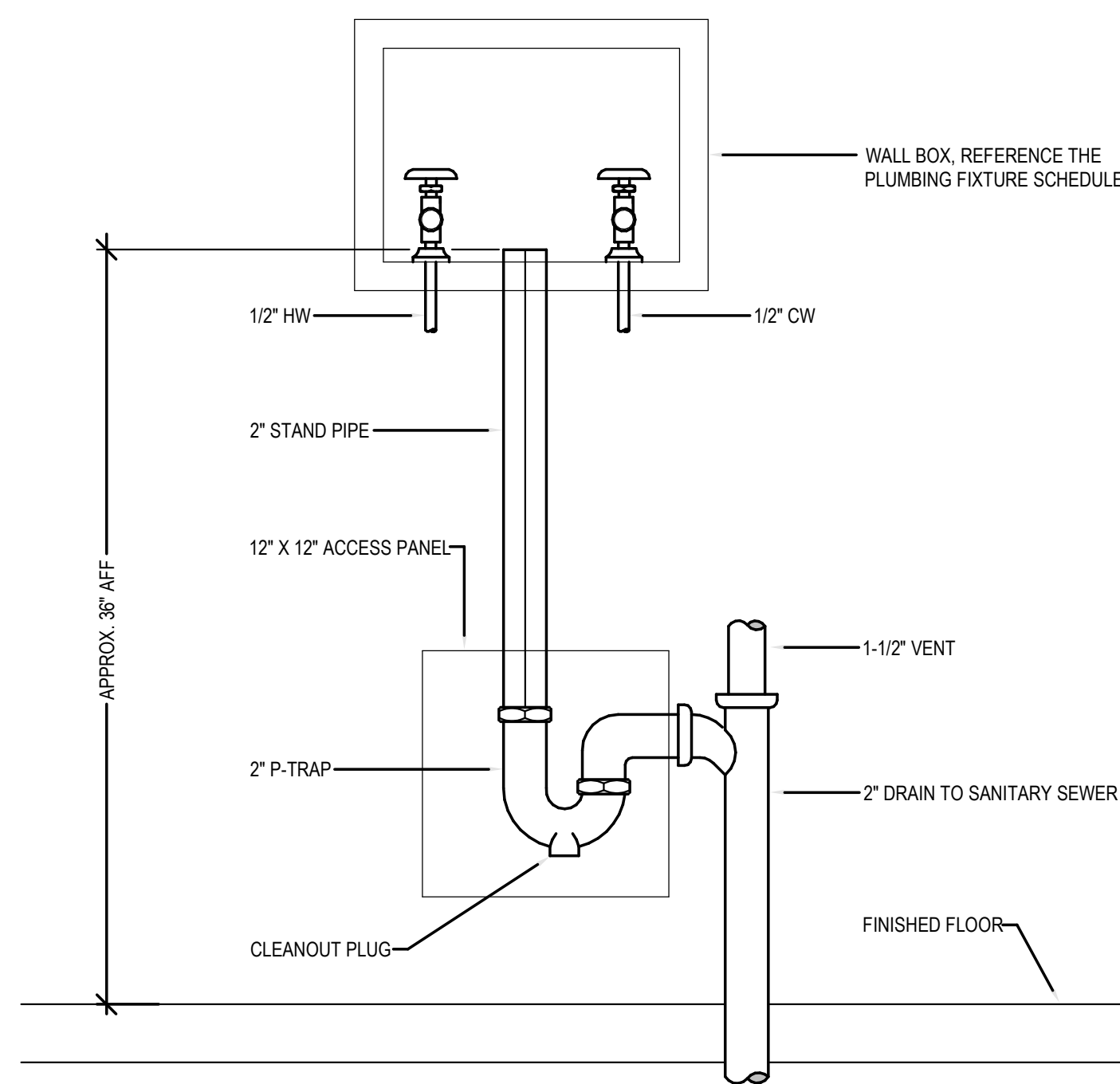




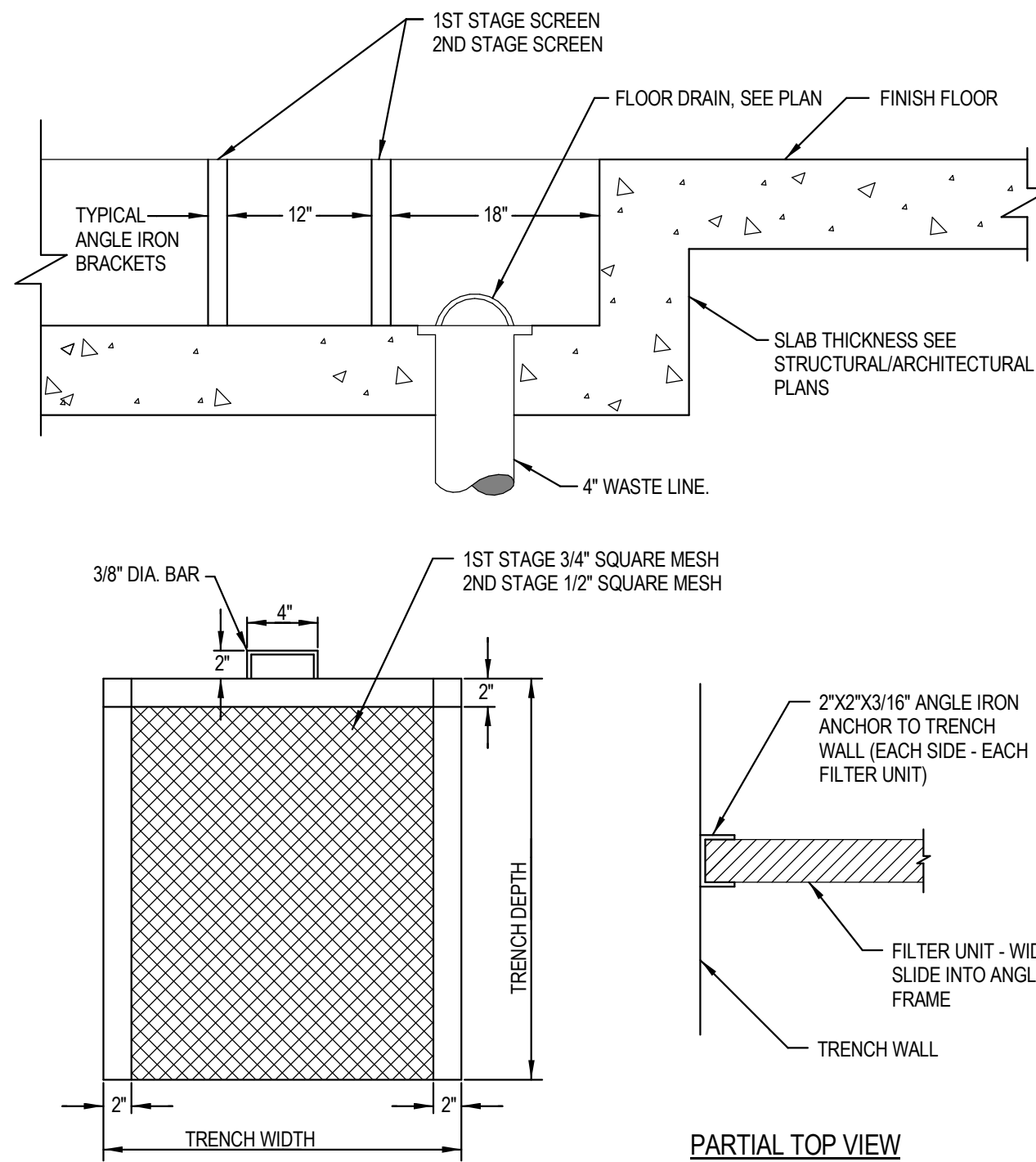
**1 ELECTRIC WATER HEATER PIPING DETAIL (TWO WATER HEATERS)**  
SCALE | NTS



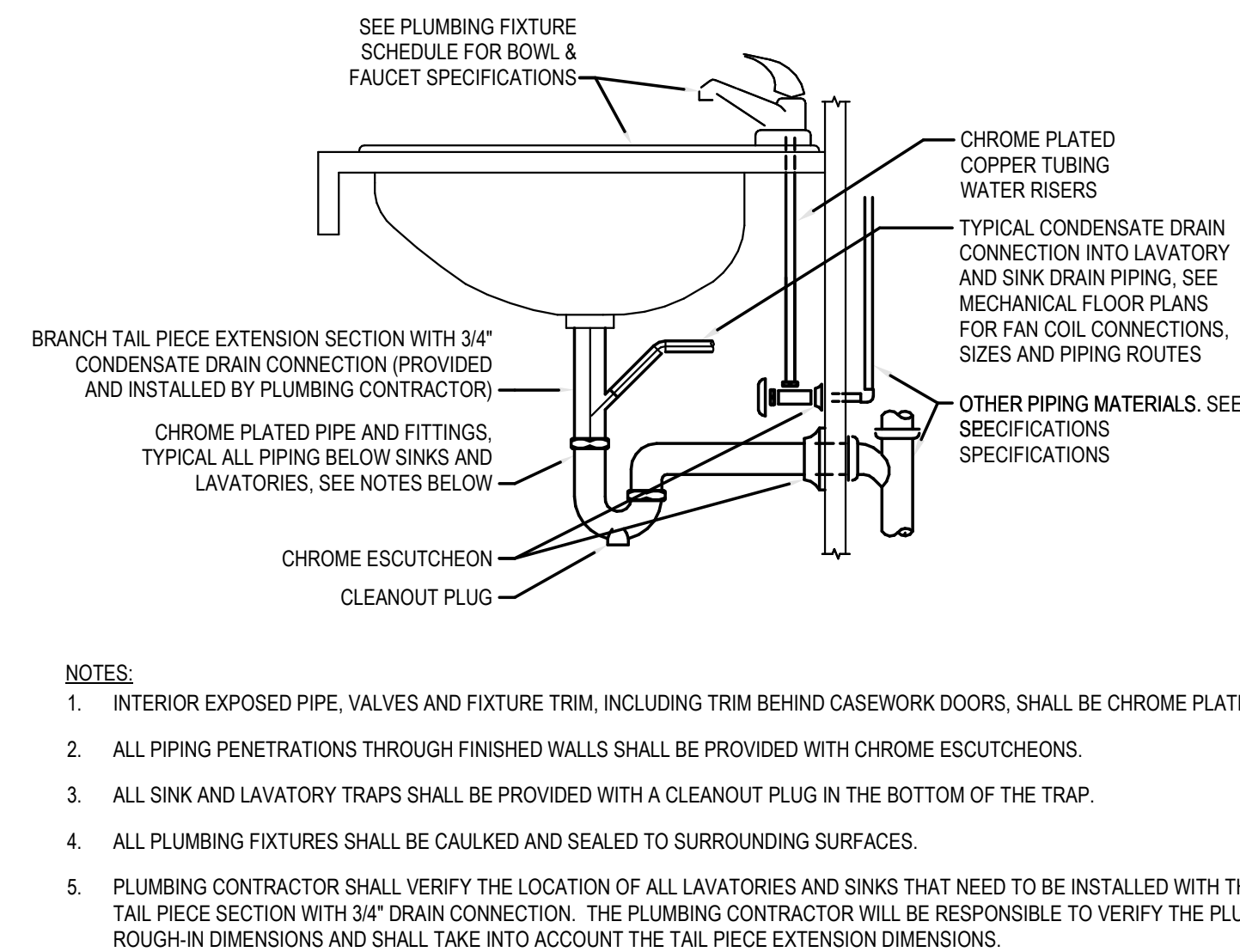
**2 ELECTRIC WATER HEATER DETAIL**  
SCALE | NTS



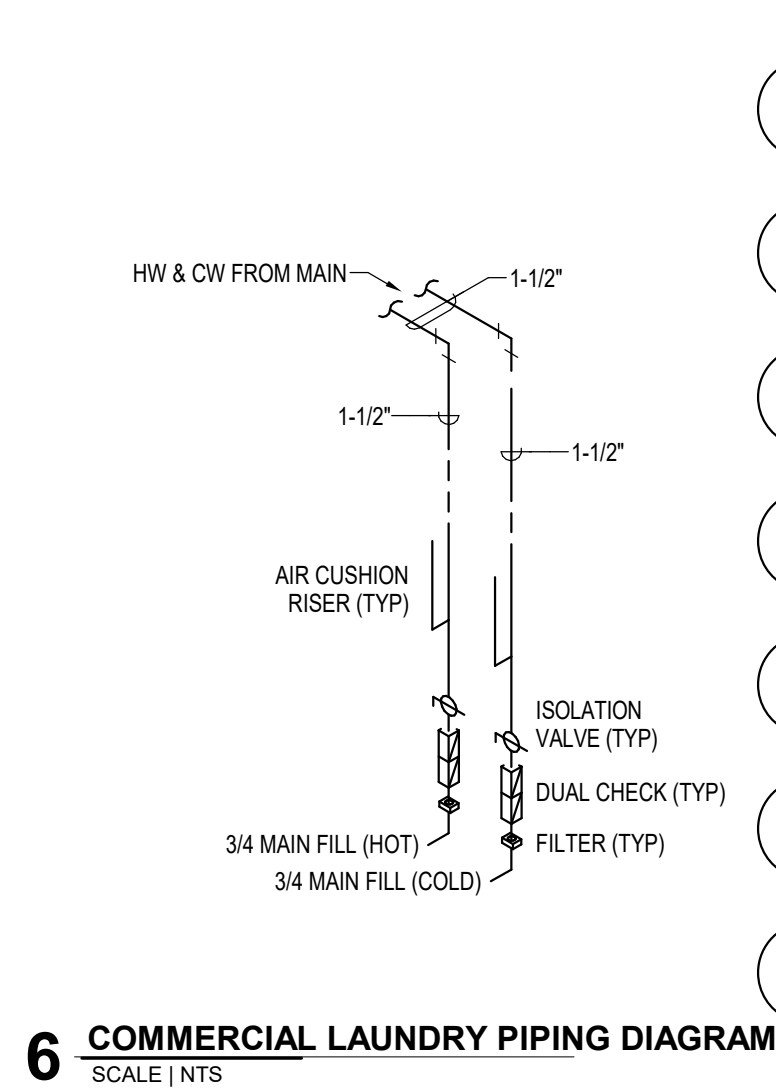
**3 WASHING MACHINE HOOK-UP DETAIL**  
SCALE | NTS



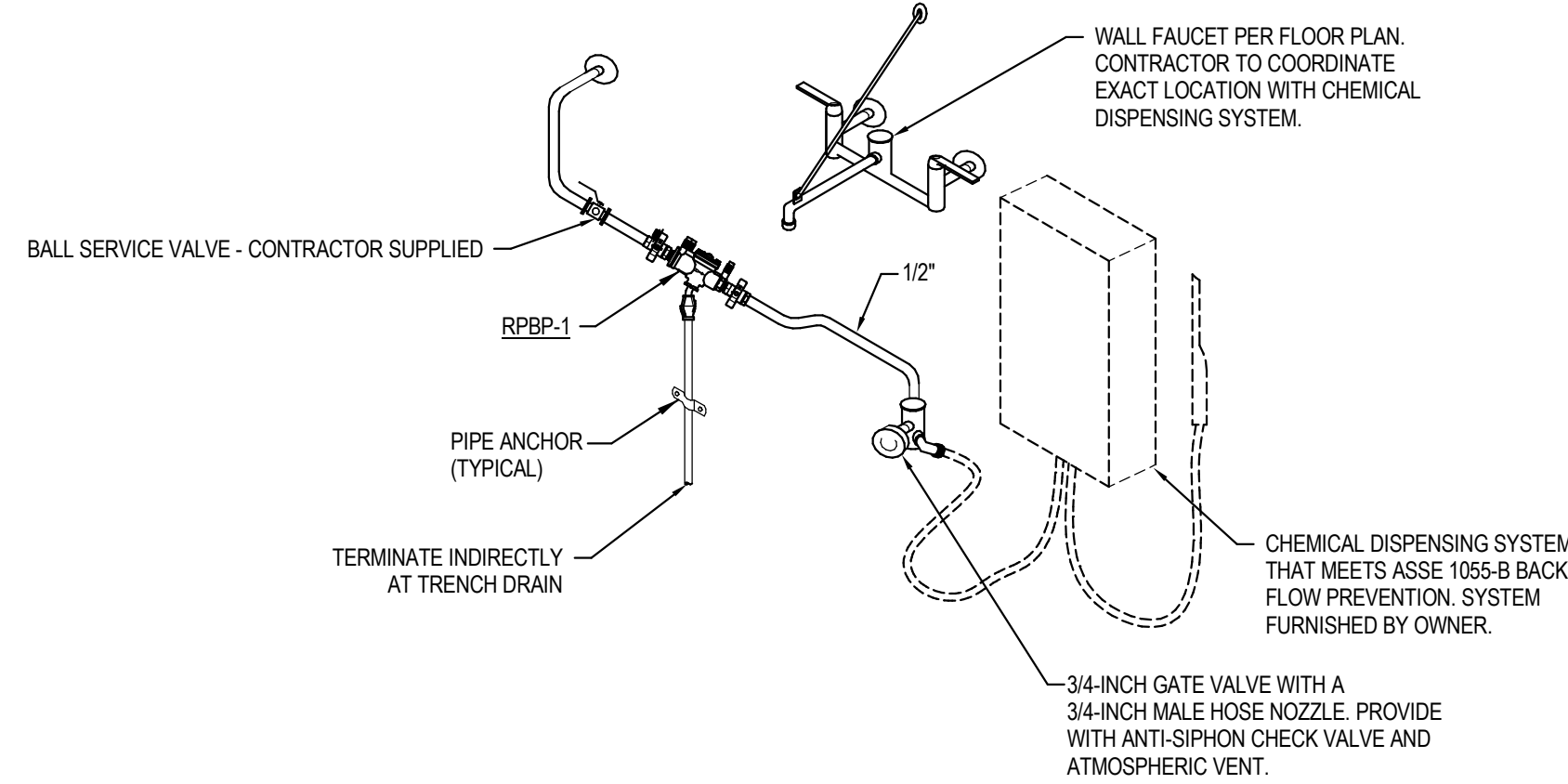
**4 COMMERCIAL LAUNDRY TRENCH DRAIN DETAIL**  
SCALE | NTS



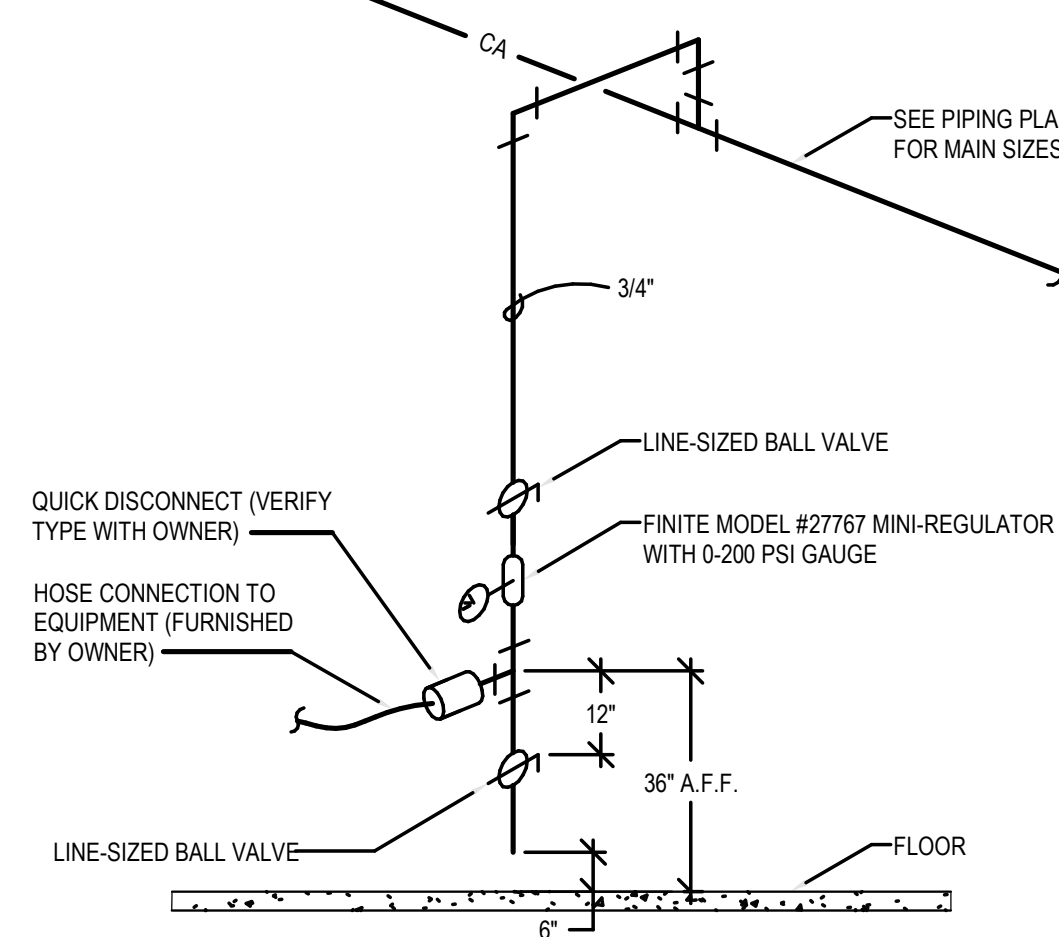
**5 SINK/LAVATORY TAILPIECE & TRAP DETAIL (W/ CONDENSATE)**  
SCALE | NTS



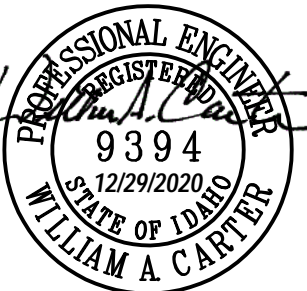
**6 COMMERCIAL LAUNDRY PIPING DIAGRAM**  
SCALE | NTS



**7 CHEMICAL MIXING STATION DETAIL**  
SCALE | NTS



**8 COMPRESSED AIR DETAIL**  
SCALE | NTS



PHASE	CONSTRUCTION SET
DATE	6/19/2020
JOB NUMBER	18-022

MARK	DATE	DESCRIPTION
3	8/31/20	RFI #CC-62
9	12/28/2	RFI #77R1
0		
11	10/21/2	ASI #4
0		



PLUMBING FIXTURE SCHEDULE							
SYMBOL	FIXTURE DESCRIPTION	CONNECTION SIZE					MANUFACTURER / MODEL NUMBER / DESCRIPTION / ADDITIONAL COMMENTS
		WASTE	VENT	TRAP	CW	HW	
CM-1	WALL BOX (WATER SUPPLY TO COFFEE MAKER)	--	--	--	1/2	--	PROVIDED BY OTHERS, INSTALLED BY CONTRACTOR. PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER ON SUPPLY LINE.
D-1	DISPOSER	2	1 1/2	1 1/2	--	--	PROVIDED BY OTHERS, INSTALLED BY CONTRACTOR.
DF-1	DRINKING FOUNTAIN WITH BOTTLE FILLING STATION (INTERIOR DUAL BUBBLERS) (ELECTRIC WATER COOLER) (ADA COMPLIANT) (HIGH-LOW)	1 1/2	1 1/2	1 1/2	1/2	--	ELKAY MODEL LZSTLWSLK HIGH-LOW COOLER WITH BOTTLE FILLING STATION WITH FLEXI-GUARD STREAMSAVER BUBBLER, OPERATED BY FRONT OR SIDE PUSH BARS AND BOTTLE FILLING STATION OPERATED BY SENSOR ACTIVATION WITH AUTOMATIC 30-SECOND SHUT-OFF TIMER. 115 VOLT, 4.5 AMP, 60 HERTZ, AND FILTER. PROVIDE WITH JAY R. SMITH 0834 FLOOR MOUNTED SUPPORT CARRIER.
DN-1	DOWN SPOUT NOZZLE (CAST IRON)	SEE PLANS	--	--	--	--	JAY R. SMITH FIGURE NUMBER 1770-NB CAST IRON NOZZLE WITH WALL FLANGE, NICKEL-BRONZE FINISH.
DW-1	DISHWASHER	--	--	--	--	1/2	PROVIDED BY OTHERS, CONNECT WASTE TO DISPOSAL. SEE DETAIL SHEET P2.00.
ET-1	EXPANSION TANK	--	--	--	3/4	--	AMTROL THERM-X-TROL ST-25V, OR APPROVED EQUAL, NON ASME SERIES THERMAL EXPANSION ABSORBER, ANTIMICROBIAL LINER, AND 5 YEAR WARRANTY.
ET-2	EXPANSION TANK	--	--	--	3/4	--	AMTROL THERM-X-TROL ST-12, OR APPROVED EQUAL, NON ASME SERIES THERMAL EXPANSION ABSORBER, ANTIMICROBIAL LINER, AND 5 YEAR WARRANTY.
ES-1	EMERGENCY EYE WASH/ SHOWER COMBINATION (FLOOR MOUNTED) (ADA COMPLIANT)	1 1/2	1 1/2	1 1/2	1 1/4	1-1/4	ACORN MODEL SZ310 BARRIER FREE COMBINATION SHOWER AND EYE WASH, WITH PULL ROPE AND PUSH FLAG. ABS SHOWERHEAD AND EYE/FACE WASH. PROVIDE WITH DUST COVER AND UNIVERSAL SIGN. PROVIDE WITH FD-1 AND ACORN MODEL ET71 LEAD FREE, THERMOSTATIC MIXING VALVE OR EQUAL. 1-1/4" TEMPERED WATER.
EYE-1	EMERGENCY EYE WASH (WALL MOUNTED)	--	--	--	1/2	1/2	ACORN SAFETY MODEL S0406-CH12-BFP, WALL MOUNTED WITH DUAL 45° ANGLED HEADS AND RECOIL HOSE, PROVIDE WITH FLIP TOP DUST COVERS, UNIVERSAL EMERGENCY SIGN, DOUBLE CHECK BACKFLOW, STAINLESS STEEL 90° WITH SHEET NIPPLE, AND ACORN MODEL ET71 THERMOSTATIC MIXING VALVE OR EQUAL, LEAD FREE, WITH TEMPERATURE GAUGE ON OUTLET.
FCQ	FLOOR CLEANOUT	SEE PLANS	--	--	--	--	JAY R. SMITH 4020 SERIES WITH ADJUSTABLE TOP AND ABS PLUG. PROVIDE WITH FIGURE NUMBER 9912 FOR HEIGHT ADJUSTMENT AFTER CONCRETE POUR.
FD-1	FLOOR DRAIN (CONCRETE FLOOR)	2	2	2	--	--	JAY R. SMITH FIGURE NUMBER 2005Y-A05NB: NO-HUB OUTLET, 5" ROUND, NICKEL BRONZE FINISH, WITH ADJUSTABLE STRAINER AND TRAP PRIMER. INSTALL TOP OF DRAIN 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
FD-2	FLOOR DRAIN (CONCRETE FLOOR)	4	2	4	--	--	JAY R. SMITH FIGURE NUMBER 2005Y-A08NB: NO-HUB OUTLET, 8" ROUND, NICKEL BRONZE FINISH, WITH ADJUSTABLE STRAINER AND TRAP PRIMER. INSTALL TOP OF DRAIN 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
FILL-1	FLUSH CONNECTION	--	--	--	3	--	BUILDING CONNECTIONS MODEL 152 2.5" WALL MOUNT FLUSH OUTLET. INSTALL WITH MODEL 164 CONTROL VALVE.
FS-1	FLOOR SINK (HALF GRATE) (10" DEEP) (FOOT TRAFFIC RATED)	4	2	4	--	--	JAY R. SMITH FIGURE NUMBER 3160Y-12: CAST IRON RECEPTOR, ALUMINUM DOME STRAINER, NICKEL BRONZE GRATE, AND TRAP PRIMER. INSTALL TOP OF SINK 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
FS-2	FLOOR SINK (6" DEEP) (HALF GRATE, FOOT TRAFFIC RATED)	2	2	2	--	--	JAY R. SMITH FIGURE NUMBER 3100Y-12: CAST IRON RECEPTOR, ALUMINUM DOME STRAINER, NICKEL BRONZE GRATE, AND TRAP PRIMER. INSTALL TOP OF SINK 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
GCO	GRADE CLEANOUT (NON-PAVED AREAS)	SEE PLANS	--	--	--	--	JAY R. SMITH 4220 SERIES WITH ABS PLUG.
GCO	GRADE CLEANOUT (PAVED AREAS) (VEHICULAR TRAFFIC)	SEE PLANS	--	--	--	--	JAY R. SMITH 4250 SERIES, ROUND FLANGED HOUSING WITH HEAVY DUTY CAST IRON COVER. FURNISH WITH ABS PLUG. COVER TO BE INSCRIBED "5AN".
HB-1	HOSE BIBB (EXTERIOR) (NON-FREEZE)	--	--	--	3/4	--	WOODFORD MODEL 67 - EXPOSED STYLE WITH MODEL 50HA BACKFLOW PREVENTER, 3/4" INLET, AND CHROME PLATED. PROVIDE WITH TEE KEY AND INSTALL AT 18" ABOVE FINISH GRADE.
HB-2	HOSE BIBB (INTERIOR)	--	--	--	3/4	--	WOODFORD MODEL 26 - EXPOSED STYLE WITH 3/4" INLET, AND CHROME PLATED. PROVIDE WITH METAL WHEEL HANDLE AND WOODFORD MODEL 50HF BACKFLOW PREVENTER.
LAV-1	LAVATORY (WALL MOUNTED) (ADA COMPLIANT)	1 1/2	1 1/2	1 1/4	1/2	1/2	KOHLER KINGSTON MODEL K-2005: VITREOUS CHINA, WALL MOUNTED, HOLES ON 4" CENTERS, AND GRID STRAINER. CHICAGO FAUCETS MODEL 420-E39VPABCP. 3-3/4" LONG, SINGLE LEVER FAUCET WITH 0.35 GPM AERATOR. PROVIDE WITH JAY R. SMITH FIGURE NUMBER 0700-Z SUPPORT WITH CONCEALED ARMS AND WATTS SERIES USG-B THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRONZE BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F. PROVIDE WITH LS-1 LAV SHIELD.
LAV-2	LAVATORY (COUNTERTOP / CABINET MOUNTED) (ADA COMPLIANT)	1 1/2	1 1/2	1 1/4	1/2	1/2	KOHLER PENNINGTON MODEL K-2196-4 VITREOUS CHINA, COUNTERTOP-MOUNTED SINK WITH HOLES ON 4" CENTERS, AND GRID STRAINER. CHICAGO FAUCETS MODEL 420-E39VPABCP. 3-3/4" LONG, SINGLE LEVER FAUCET WITH 0.35 GPM AERATOR. PROVIDE WITH WATTS SERIES LFUSG-B THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, LEAD-FREE BRASS BODY, INTEGRAL, CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F. PROVIDE WITH PIPING INSULATION, TRUEBRO LAV GUARD, PLUMBEREX HAND-SHIELD, OR EQUAL.
LS-1	LAVATORY SHIELD (WALL MOUNTED SHIELD FOR CONCEALING PIPING, VALVES, AND INSTANTANEOUS WATER HEATERS)	--	--	--	--	--	TRUEBRO "LAV SHIELD" ADA COMPLIANT, TOTAL ENCLOSURE. SINGLE-PIECE CONSTRUCTION, SLOAN OPTISHIELD ETF-529, OR APPROVED EQUAL.
OD-1	OVERFLOW ROOF DRAIN (LOW PROFILE DOME STYLE) (METAL GRATE)	--	--	--	--	--	JAY R. SMITH FIGURE NUMBER 1070Y-R-C-RS-CID WITH CAST IRON DOME GRATE AND RAIN SHIELD.
OI-1	OIL AND SAND INTERCEPTOR (1500 GALLONS)	4	3	--	--	--	PRE-CAST CONCRETE, 1500 GALLON CAPACITY, OIL AND SAND INTERCEPTOR. SEE DRAWING FOR DETAILS. NO SPLIT DESIGN VAULTS WITH GASKETS BELOW FLUID LEVEL ALLOWED.
PF-1	POT FILLER	--	--	--	1/2	1/2	PROVIDED BY OTHERS, INSTALLED BY CONTRACTOR.
RD-1	ROOF DRAIN (LOW PROFILE DOME STYLE) (METAL GRATE)	--	--	--	--	--	JAY R. SMITH FIGURE NUMBER 1010Y-R-C-CID WITH CAST IRON DOME GRATE.
RH-1	ROOF HYDRANT (NON FREEZE)	--	--	--	1	--	WOODFORD MODEL RHY2-MS, NON-FREEZE STYLE WITH 3/4" HOSE CONNECTION AND INTEGRAL DOUBLE CHECK BACKFLOW PREVENTER. REQUIRES 1/8" DRAIN HOLE TO BE PIPED TO A DRAIN LOCATION.
RP-1	RECIRCULATION PUMP (HOT WATER RETURN SYSTEM)	--	--	--	--	3/4	BELL AND GOSSETT BRONZE MODEL NBF-22, 115 VOLT, 0.8 AMPS, 92 WATTS, AND SHALL PROVIDE 7 GPM AT 10 FEET HEAD. INCLUDE 7-DAY PROGRAMMABLE ELECTRONIC TIME CLOCK WITH BATTERY BACKUP, INTERMATIC MODEL GMD0AVE-RD89, APPROVED ALTERNATE: ARMSTRONG, TACO, GRUNDFOS.
RPBP-1	REDUCED PRESSURE BACKFLOW PREVENTER	INDIRECT			--	--	WATTS SERIES LF009 REDUCED PRESSURE ZONE ASSEMBLY WITH QUARTER TURN BALL VALVES, BRONZE STRAINER, AND AIR GAP. BRONZE BODY CONSTRUCTION - 1/2" THRU 2", PROVIDE WITH STRAINER. LEAD FREE. 2 1/2" THRU 10" 957 SERIES. SEE NOTE 6.
S-1	SINK - SINGLE COMPARTMENT (17" X 20" X 6 1/2") (ADA COMPLIANT)	2	1 1/2	1 1/2	1/2	1/2	ELKAY LUSTERTONE MODEL LRAD-1720: 6-1/2" DEEP STAINLESS STEEL SINK, ELKAY MODEL LK-3001 SINGLE LEVER FAUCET WITH 1.5 GPM AERATOR, SWING SPOUT, AND HOSE SPRAY. PROVIDE WITH ELKAY MODEL LK-35 CHROME PLATED TAILPIECE AND STAINLESS STEEL BASKET, AND WATTS SERIES USG-B THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRONZE BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F.
S-2	KITCHEN SINK - DOUBLE COMPARTMENT (14" X 14" X 6 1/2" - EACH) (ADA COMPLIANT)	2	1 1/2	1 1/2	1/2	1/2	ELKAY LUSTERTONE MODEL LRAD-3319: 6-1/2" DEEP STAINLESS STEEL SINK, ELKAY MODEL LK-3001 SINGLE LEVER FAUCET WITH 1.5 GPM AERATOR, SWING SPOUT, AND HOSE SPRAY. PROVIDE WITH ELKAY MODEL LK-35 CHROME PLATED TAILPIECE AND STAINLESS STEEL BASKET, AND WATTS SERIES USG-B THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRONZE BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F.
S-3	PREP SINK - SINGLE COMPARTMENT (15" X 15" X 7")	2	1 1/2	1 1/2	1/2	1/2	ELKAY LUSTERTONE MODEL BLR1600: 7" DEEP, STAINLESS STEEL SINK WITH ELKAY MODEL LKD2223, DUAL HANDLE MIXING FAUCET WITH HIGH GOOSENECK SPOUT AND 1.5 GPM AERATOR. PROVIDE ELKAY MODEL LK-35 CHROME PLATED TAILPIECE AND STAINLESS STEEL BASKET.
S-4	BOOT WASH HAND SINK (17" X 15" X 5-1/2")	2	1 1/2	1 1/2	1/2	1/2	REGENCY 600HS17: 17"x15", STAINLESS STEEL SINK WITH INTEGRATED GOOSENECK FAUCET. PROVIDE CHROME PLATED TAILPIECE AND STAINLESS STEEL BASKET.
SHR-1	SHOWER (42" X 38" X 79") (INSERT STYLE) (ADA COMPLIANT)	2	1 1/2	2	1/2	1/2	BEST BATH SYSTEMS MODEL LCS4238A5T, WITH A 1/2" THRESHOLD, ONE PIECE CLASSIC TILE FINISH, SHOWER MODULE SHALL BE CONSTRUCTED OF GELCOAT/FIBERGLASS WITH FULL INTEGRAL PLYWOOD BACKING IN ALL THE WALLS FOR STRENGTH AND CUSTOMIZED INSTALLATION OF ACCESSORIES. PRE-LEVELLED FLOOR FOR EASY INSTALLATION. NOTE LOW THRESHOLD DESIGN REQUIRES 8" X 8" BLOCK OUT CENTERED AT DRAIN PIPE LOCATION. ACCESSORIES: (1) 12" S.S. GRAB BAR, (1) 24" S.S. GRAB BAR, (1) 27" S.S. GRAB BAR, (1) SURFACE MOUNTED SOAP DISH (1) SIOUX CHIEF CAULKLESS BRASS DRAIN #827-2B WITH CHROME SCREEN, (1) TWS COLLAPSIBLE "T" SHAPED WATER RETAINER. ALSO INCLUDE MOEN MODEL 8346EP15, 1.5 GPM ECO-PERFORMANCE HANDHELD SHOWER SYSTEM, POSI-TEMP, WITHOUT VOLUME CONTROL, ADJUSTABLE TEMPERATURE LIMIT STOP, 1/4 TURN STOPS, 4 PORT CYCLING VALVE, HANDHELD SHOWER, 69" DOUBLE SWIVEL HOSE ASSEMBLY, 30" SLIDE BAR, VACUUM BREAKER, DROP ELL, AND STAINLESS STEEL CURTAIN ROD. PROVIDE TAPE-WEIGHTED SHOWER CURTAIN.

PLUMBING FIXTURE SCHEDULE							
SYMBOL	FIXTURE DESCRIPTION	CONNECTION SIZE					MANUFACTURER / MODEL NUMBER / DESCRIPTION / ADDITIONAL COMMENTS
		WASTE	VENT	TRAP	CW	HW	
SHR-2	SHOWER (42" X 38" X 79") (INSERT STYLE) (ADA COMPLIANT)	2	1 1/2	2	1/2	1/2	BEST BATH SYSTEMS MODEL LCS4238A5T, WITH A 1/2" THRESHOLD, ONE PIECE CLASSIC TILE FINISH, SHOWER MODULE SHALL BE CONSTRUCTED OF GELCOAT/FIBERGLASS WITH FULL INTEGRAL PLYWOOD BACKING IN ALL THE WALLS FOR STRENGTH AND CUSTOMIZED INSTALLATION OF ACCESSORIES. PRE-LEVELLED FLOOR FOR EASY INSTALLATION. NOTE LOW THRESHOLD DESIGN REQUIRES 8" X 8" BLOCK OUT CENTERED AT DRAIN PIPE LOCATION. ACCESSORIES: (1) 12" S.S. GRAB BAR, (1) 24" S.S. GRAB BAR, (1) 27" S.S. GRAB BAR, (1) 32"x16" PHENOLIC LAB, ADA COMPLIANT, SWING-DOWN SEAT WITH LEGS, (1) SURFACE MOUNTED SOAP DISH (1) SIOUX CHIEF CAULKLESS BRASS DRAIN #827-2B WITH CHROME SCREEN, (1) TWS COLLAPSIBLE "T" SHAPED WATER RETAINER. ALSO INCLUDE MOEN MODEL 8346EP15, 1.5 GPM ECO-PERFORMANCE HANDHELD SHOWER SYSTEM, POSI-TEMP, WITHOUT VOLUME CONTROL, ADJUSTABLE TEMPERATURE LIMIT STOP, 1/4 TURN STOPS, 4 PORT CYCLING VALVE, HANDHELD SHOWER, 69" DOUBLE SWIVEL HOSE ASSEMBLY, 30" SLIDE BAR, VACUUM BREAKER, DROP ELL, AND STAINLESS STEEL CURTAIN ROD. PROVIDE TAPE-WEIGHTED SHOWER CURTAIN.
SS-1	SERVICE SINK (24" X 24" X 10") (FLOOR MOUNTED)	3	2	3	1/2	1/2	ACORN TERRAZZO-WARE MODEL TRH-242410: PROVIDE AND INSTALL WITH STAINLESS STEEL BUMPER GUARD, DRAIN GASKET, CHROME FAUCET, 36" HOSE AND WALL HANGER, MOP HANGER, AND 2 SIDE STAINLESS STEEL WALL GUARD.
TD-1	TRENCH DRAIN (10" WIDE) (HEAVY TRAFFIC RATED)	4	2	4	--	--	JAY R. SMITH FIGURE NUMBER 9812 10" WIDE TRENCH DRAIN SYSTEM. SLOPE DRAIN SYSTEM WITH INTEGRAL METAL RAIL, PROVIDE WITH END CAPS, OUTLETS, CATCH BASIN (9812G-880-CB24-SP), AND HEAVY DUTY (CLASS C) GALVANIZED STEEL BAR GRATE (MODEL 9812-G). REFER TO ARCHITECTURAL PLAN FOR EXACT LENGTH REQUIREMENTS.
TP-1	TRAP PRIMER (PRESSURE ACTIVATED) (1 TO 4 TRAPS)	--	--	--	1/2"	--	PRECISION PLUMBING PRODUCTS MODEL CPO-500 WITH DU DISTRIBUTION UNIT IF REQUIRED FOR SERVING MORE THAN ONE TRAP. APPROVED ALTERNATES: MIFAB, SIOUX CHIEF, SLOAN, AND ZURN
TP-1	TRAP PRIMER (FLUSH VALVE PRIMER) (1 TRAP)	--	--	--	1/2"	--	PRECISION PLUMBING PRODUCTS MODEL FVP-1VB WITH VACUUM BREAKER. TRAP PRIMER TUBING SHALL BE INSTALLED OFF BACK OF FLUSH VALVE. APPROVED ALTERNATES: MIFAB, SIOUX CHIEF, SLOAN, AND ZURN
TP-1	TRAP PRIMER (LAVATORY TAILPIECE PRIMER) (1 TRAP)	--	--	--	1/2"	--	DEARBORN BRASS 1-1/2" TRAP PRIMER TAILPIECE WITH COMPRESSION CONNECTION.
UF-1	UTILITY FAUCET	--	--	--	1/2	1/2	ACORN UTILITY FAUCET OPTION KFC: BRASS CONSTRUCTION WITH ROUGH CHROME FINISH, TWO HANDLES, 8" CENTERSET, WALL MOUNTED, PAIL HOOK WITH 9-1/4" REACH, WALL BRACE, VACUUM BREAKER, AND 3/4" THREADED SPOUT.
UF-2	UTILITY FAUCET	--	--	--	3/4	3/4	T&S BRASS AND BRONZE WORKS MV-0771-11N MIXING VALVE. CHROME PLATED WITH TWO HANDLES, 6" CENTER SET, WALL MOUNTED, PAIL HOOK WITH 9-1/4" REACH, WALL BRACE, VACUUM BREAKER, AND 3/4" THREADED SPOUT. PROVIDE WITH 50' HOSE, REAR TRIGGER STAINLESS STEEL WATER GUN & HOSE RACK.
US-1	UTILITY SINK (23" X 21" X 13") (FLOOR MOUNTED)	2	1 1/2	1 1/2	1/2	1/2	FIAT MOLDED STONE MODEL FL-1: PROVIDE WITH A-1 DECK CHROME FAUCET, DRAIN WITH STOPPER, AND EASY LEVELING LEGS.
WB-1	WALL BOX (WATER SUPPLY TO ICE MAKER)	--	--	--	1/2	--	OATEY FIREMASTER MODEL 39121 WITH FACEPLATE, ADJUSTABLE METAL SUPPORT BRACKET, AND WATER HAMMER ARRESTOR. FIRE-RATED, LOW LEAD, OR APPROVED EQUAL.
WB-2	WALL BOX (SUPPLY TO AND DRAIN FROM WASHING MACHINE)	2	1 1/2	2	1/2	1/2	OATEY FIREMASTER MODEL 38478 WITH ADJUSTABLE METAL SUPPORT BRACKET, AND WATER HAMMER ARRESTORS. FIRE RATED, OR APPROVED EQUAL.
WC-1	WATER CLOSET (DUAL FLUSH TANK) (FLOOR MOUNTED) (COMFORT HEIGHT / ADA)	4	2	INT.	1/2	--	KOHLER HIGHLINE MODEL K-3899, DUAL FLUSH, FLOOR MOUNTED, GRAVITY FLUSH TANK WITH ELONGATED BOWL, 1.6 GPF OR 1.1 GPF. PROVIDE KOHLER LUSTRA MODEL K-4650 ELONGATED, OPEN FRONT SEAT WITH CHECK HINGE AND COVER.
WCQ	WALL CLEANOUT	SEE PLANS	--	--	--	--	JAY R. SMITH 4472T SERIES WITH CAST BRONZE TAPER THREAD PLUG, STAINLESS STEEL ROUND COVER, AND A STAINLESS STEEL VANDAL PROOF SCREW.
WH-1	WATER HEATER (119 GALLON UPRIGHT MODEL) (208V-30 ELECTRIC)	--	--	--	SEE PLANS	SEE PLANS	BRADFORD WHITE MODEL E32-120R-3, SIMULTANEOUS TRIPLE ELEMENTS, (3) 6 KW, 208V/3Ø, 28" DIAMETER, 63" TALL, WITH TOP CONNECTIONS. PROVIDE WITH WALL BRACKET SUPPORT AND SEISMIC STRAP.
WH-2	WATER HEATER (119 GALLON UPRIGHT MODEL) (208V-30 ELECTRIC)	--	--	--	SEE PLANS	SEE PLANS	BRADFORD WHITE MODEL E32-120R-3, SIMULTANEOUS TRIPLE ELEMENTS, (3) 6 KW, 208V/3Ø, 28" DIAMETER, 63" TALL, WITH TOP CONNECTIONS. PROVIDE WITH WALL BRACKET SUPPORT AND SEISMIC STRAP.
WH-3	WATER HEATER (50 GALLON UPRIGHT MODEL) (208V-10 ELECTRIC)	--	--	--	SEE PLANS	SEE PLANS	BRADFORD WHITE MODEL LE250S3-1NCZZ, NON-SIMULTANEOUS DUAL ELEMENTS, (2) 4.5 KW, 208V/1Ø, 22" DIAMETER, 47" TALL, WITH TOP CONNECTIONS. PROVIDE WITH WALL BRACKET SUPPORT AND SEISMIC STRAP.
NOTES:							
1. ALL ADA COMPLIANT FIXTURES MUST COMPLY WITH ICC/ANSI A117.1. SEE ARCHITECTURAL PLANS FOR HANDICAPPED FIXTURE DESIGNATIONS, LOCATIONS, CLEARANCES, AND MOUNTING HEIGHTS.							
2. ALL EXPOSED HW PIPING, CW PIPING, AND DRAIN LINES BENEATH ALL LAVATORIES AND ALL ADA COMPLIANT SINKS MUST BE INSULATED TO PREVENT INJURY. REFER TO ARCHITECTURAL PLANS. INSULATE WITH MOLDED CLOSED CELL VINYL INSULATION - TRUEBRO, PLUMBEREX, OR EQUAL.							
3. PROVIDE P-TRAP PRIMERS FOR ALL FLOOR DRAINS AND FLOOR SINKS. PROVIDE A BALL TYPE SHUT-OFF VALVE UPSTREAM OF PRIMER VALVE. SEE SPECIFICATIONS.							
4. SEE SPECIFICATIONS FOR ALTERNATE APPROVED MANUFACTURERS.							
5. BACKFLOW PREVENTION: THIS BUILDING IS PROVIDED WITH A BACKFLOW PREVENTION DEVICE ON THE MAIN WATER SERVICE AND REDUCED PRESSURE BACKFLOW PREVENTION ON THE FOLLOWING PIECES OF EQUIPMENT: COFFEE MAKER ICE MAKER EVAPORATIVE COOLER NON-POTABLE LOOP AT APPARATUS BAY							

GAS SIZING CHART (METER #1)			
SYMBOL	INPUT (MBH)	RUNOUT SIZE (2-PSI) (INCHES)	EQUIPMENT CONNECTION SIZES (7" WC) (INCHES)
B-5 (RADIANT FLOOR SYSTEM)	399.0	1/2	3/4
B-6 (RADIANT FLOOR SYSTEM)	399.0	1/2	3/4
B-7 (RADIANT FLOOR SYSTEM)	399.0	1/2	3/4
B-8 (RADIANT FLOOR SYSTEM)	399.0	1/2	3/4
RADIANT HEATERS 200.0 MBH (XS)	1000.0	1/2 (EACH)	3/4
GAS GENERATOR	1511.0	1	1
TOTAL	4107.0	EQUIVALENT LENGTH = 150 FT PRESSURE = 2-PSI MAIN SIZE = 1-1/2"	

NOTE: GAS SIZES TO EQUIPMENT ARE AS NOTED IN SCHEDULE ABOVE. ROUTE NOTED (2-PSI) GAS LINE TO GAS EQUIPMENT. PROVIDE GAS COCK AND PRESSURE REGULATOR (2-PSI - 7" WC) SIZED FOR GAS LOAD AT EACH PIECE OF EQUIPMENT. VENT TO ATMOSPHERE PER MANUFACTURERS RECOMMENDATIONS. ROUTE NOTED (7" WC) GAS LINE TO GAS FIRED EQUIPMENT WITH GAS COCK AND FLEX CONNECTOR AT UNIT.

GAS SIZING CHART (METER #2)			
SYMBOL	INPUT (MBH)	RUNOUT SIZE (2-PSI) (INCHES)	EQUIPMENT CONNECTION SIZES (7" WC) (INCHES)
B-1 (SNOW MELT SYSTEM)	399.0	1/2	3/4
B-2 (SNOW MELT SYSTEM)	399.0	1/2	3/4
B-3 (SNOW MELT SYSTEM)	399.0	1/2	3/4
B-4 (SNOW MELT SYSTEM)	399.0	1/2	3/4
TOTAL	1596.0	EQUIVALENT LENGTH = 50 FT PRESSURE = 2-PSI MAIN SIZE = 1"	

NOTE: GAS SIZES TO EQUIPMENT ARE AS NOTED IN SCHEDULE ABOVE. ROUTE NOTED (2-PSI) GAS LINE TO GAS EQUIPMENT. PROVIDE GAS COCK AND PRESSURE REGULATOR (2-PSI - 7" WC) SIZED FOR GAS LOAD AT EACH PIECE OF EQUIPMENT. VENT TO ATMOSPHERE PER MANUFACTURERS RECOMMENDATIONS. ROUTE NOTED (7" WC) GAS LINE TO GAS FIRED EQUIPMENT WITH GAS COCK AND FLEX CONNECTOR AT UNIT. SEE GAS CONNECTION DETAILS ON SHEET P \_\_\_\_.



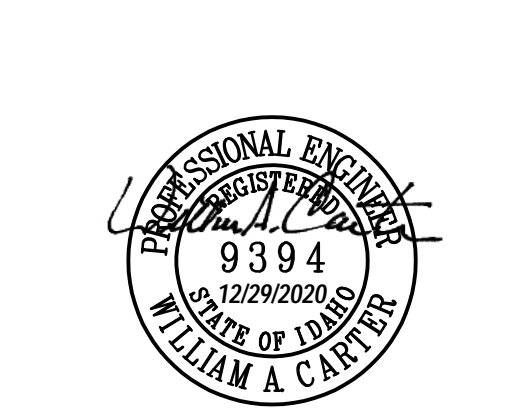
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ARCHITECTURE + PLANNING + DESIGN

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Seattle, WA 98115  
206-522-3620

STAMP



CONSULTANT



234 S. WHISPERWOOD WAY  
BOISE, IDAHO 83709  
(208) 384-0585  
PROJECT #19-366

PROJECT INFORMATION



KETCHUM FIRE  
STATION

107 SADDLE ROAD, KETCHUM ID 83353

ISSUES

PHASE CONSTRUCTION SET

DATE 6/19/2020

JOB NUMBER 18-022

MARK	DATE	DESCRIPTION
2	8/17/20	ASI #2
9	12/28/2	RFI #77R1
0		
11	10/21/2	ASI #4
0		

SHEET NAME

PLUMBING FIXTURE  
SCHEDULE

SHEET NUMBER

P6.00



# Change Request Proposal

Project:  
(name and address)

203600 / CoK FS No. 1  
107 Saddle Road  
Ketchum, ID 83340

Change request number:  
Description:

12  
RFI CC-77 Boot Wash Area Revision

Customer: CORE | Headwaters, LLC

Notice to Proceed

Submitted date:  
Received date:  
Rough order of magnitude: 0.00

Status: Proposed  
Origination date: 03/05/21

Quotation

Submitted date: 03/05/21  
Due date:  
Submitted amount: 341.53  
Requested days delay: 0

Notes

Relocate drain p-trap per RFI CC-77.

Revenue Detail

Billing Item	Description	Revenue
	Labor - 3 hrs	240.00
	Materials	88.29
	Material Markup (15%)	13.24
Total Revenue For CR 12		341.53

Approvals

Customer: CORE | Headwaters, LLC  
Authorized Representative: \_\_\_\_\_

Contractor: Evans Plumbing, Inc.  
By: \_\_\_\_\_  
Date: \_\_\_\_\_

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

## Steve Evans

**From:** Andrew Marolf - 3149 NORTHWEST <andrew.marolf@ferguson.com>  
**Sent:** Friday, March 5, 2021 3:18 PM  
**To:** Steve Evans  
**Subject:** Email Bid# B561335

Boot wash change request.

### Price Quotation # B561335

#### FEL #3149

121 JETSTAR LANE  
HAILEY, ID 83333-0000

Phone : 208-788-3317  
Fax : 208-788-4182

**Bid No.....:** B561335  
**Bid Date....:** 03/05/21  
**Quoted By:** ASM  
**Customer.:** EVANS PLUMBING  
KETCHUM FIRE STATION  
COMMERICAL JOB ACCOUNT  
111 GULF STREAM LANE  
HAILEY, ID 83333

**Cust Phone:** 208-726-5261  
**Terms.....:** NET 10TH PROX  
**Ship To.....:** EVANS PLUMBING  
KETCHUM FIRE STATION  
COMMERICAL JOB ACCOUNT  
111 GULF STREAM LANE  
HAILEY, ID 83333

**Cust PO#..:**

**Job Name.:** 203600/BOOT WASH

Item	Description	Quantity	Net Price	UM	Total	Customer Code
P40FCPK20	2X20 PVC S40 FOAM CORE PIPE	60	101.334	C	60.80	
PDWVCK	2 PVC DWV COUP	3	0.657	EA	1.97	
PDWVYPPK	4X4X2 PVC DWV WYE	1	9.359	EA	9.36	
PDWV9K	2 PVC DWV 90 ELL	6	1.607	EA	9.64	
PDWVS4K	2 PVC DWV ST 45 ELL	1	1.520	EA	1.52	

Subtotal: \$83.29

Inbound Freight: \$0.00

Tax: \$5.00

Order Total: \$88.29

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.



# Change Request Proposal

Project:  
(name and address)

203600 / CoK FS No. 1  
107 Saddle Road  
Ketchum, ID 83340

Change request number:

11

Description:

RFI 115 Sink S-4, Faucet UF-2

Customer: CORE | Headwaters, LLC

Notice to Proceed

Submitted date:  
Received date:  
Rough order of magnitude: 0.00

Status: Proposed  
Origination date: 02/17/21

Quotation

Submitted date: 03/03/21  
Due date:  
Submitted amount: 4,864.90  
Requested days delay: 0

Notes

Per RFI 115, replace 2 UF-1 faucets with 2 UF-2 faucets and add 2 S-4 sinks.

Revenue Detail

Billing Item	Description	Revenue
	Additional Labor - 30 hrs	2,400.00
	credit 2 UF-1	-129.85
	add 2 UF-2, 2 S-4	1,599.33
	rough-in materials	500.00
	Markup on Difference (15%)	295.42
	Core Drilling - 10 holes	200.00
Total Revenue For CR 11		4,864.90

Approvals

Customer: CORE | Headwaters, LLC

Authorized Representative: \_\_\_\_\_

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

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

Contractor: Evans Plumbing, Inc.

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

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



QUOTE #BPLB20200200000940

Job Name: Ketchum FD

Location: Ketchum, ID, USA

Quoted By: **Michael Fisher**  
Bid Date: **04/17/2020**  
Expires: **05/17/2020**

<p>Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at <a href="http://wolsley.com/terms_conditionsSale.html">http://wolsley.com/terms_conditionsSale.html</a>. Govt Buyers: All items quoted are open market unless noted otherwise.</p> <p>QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE. CONTACT YOUR SALES REPRESENTATIVE IMMEDIATELY FOR ASSISTANCE WITH DBE/MBE/WBE/SMALL BUSINESS REQUIREMENTS.</p>			<p><b>Ferguson – Boise</b></p> <p><b>586 North Locust Grove Road</b> <b>Meridian, ID 83642</b> <b>Phone: (208) 376-6660</b></p>				
ITEM #	MFC	DESCRIPTION	P-QTY	U/M	P-UNIT PRICE	EXT QTY	EXT PRICE
<p><b>SECTION 301 TARIFFS: PLEASE SEE THE FULL FERGUSON LETTER AT THE END OF THIS QUOTE.</b></p> <p>THE ANNOUNCED INCREASED TARIFFS WILL RESULT IN PRICE INCREASES. AT THIS TIME, OUR VENDORS ARE UNCLEAR WHEN/IF AND AT WHAT RATE THESE TARIFFS WILL BE IMPOSED. HERE ARE THE STEPS WE WILL TAKE GIVEN THE INFORMATION WE HAVE TODAY:</p> <p>1) PRICING ON ALL PRODUCTS IMPORTED FROM CHINA ON OPEN AND FUTURE QUOTES WILL EXPIRE 30 DAYS AFTER THE BID DATE.</p> <p>2) WE WILL CONTINUE TO COMPETITIVELY QUOTE THESE PRODUCTS BASED ON OUR COST. IF THE TARIFFS ARE IMPOSED, WE WILL HAVE NO CHOICE BUT TO PASS THESE COSTS ON TO THE MARKET.</p> <p>3) TO BE CLEAR, IF/WHEN THE TARIFFS ARE IMPOSED, FERGUSON WILL BE FORCED TO PRICE THESE PRODUCTS BASED ON THE COST AT THE TIME OF SHIPMENT.</p>							
TMV077111N	T&S BRASS	<p><del>U-2</del></p> <p><b>U-2 UTILITY FAUCET</b></p> <p>1/2" MIXING VALVE ASSEMBLY, NATURAL FINISH</p>	1	EA	\$615.73	1	\$615.73
R600HS17	REGENCY	<p><b>S-4 SINK</b></p> <p>17"X15", STAINLESS STEEL SINK WITH INTEGRATED GOOSENECK FAUCET</p>	1	EA	\$138.67	1	\$138.67

2 U-2 @ \$615.73 \$1,231.46  
2 S-4 @ \$138.67 \$277.34  

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Subtotal \$1,508.80  
6% tax \$ 90.53  

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total \$1,599.33



QUOTE #BPLB20200200000940

Job Name: Ketchum FD

Location: Ketchum, ID, USA

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**Ferguson – Boise**  
**586 North Locust Grove Road**  
**Meridian, ID 83642**  
**Phone: (208) 376-6660**

ITEM #	MFC	DESCRIPTION	P-QTY	U/M	P-UNIT PRICE	EXT QTY	EXT PRICE
S3396075	SLOAN	VBF-72-A1 9 TRAP PRIMER	1	EA	\$46.77	1	\$46.77
		<b><u>TP-1 TRAP PRIMER - LAVATORY TAILPIECE</u></b>					
		NOTE: OFFERED SUBJECT TO APPROVAL: NO MODEL PROVIDED					
DEA8321	DEARBORN	1-1/2 TRAP PRMR TAILPIECE CP	1	EA	\$15.10	1	\$15.10
D28T9	DELTA	<b><u>UF-1 UTILITY FAUCET</u></b> NOT FOR POTABLE USE 2 HANDLE CROSS WM SERVICE SINK FAUCET ROUGH CHROME	1	EA	\$61.25	1	\$61.25
		<b><u>US-1 UTILITY SINK</u></b>					
		NOTE: WE OFFER THE FOLLOWING SUBJECT TO THE APPROVAL OF THE ARCHITECT, ENGINEER & OWNER					
M18F	MUSTEE	SINGLE FLOOR MOUNTING LAUNDRY TRAY SMTHTP	1			1	
M93600	MUSTEE	CCN POLISHED CHROME 4 LAUNDRY TRAY FAUCET	1			1	
PFPTB107	PROFLO	1-1/2 17GA P TRAP CP	1			1	
PFXQAC32C	PROFLO	LF 5/8 OD X 3/8 OD QT ANG VALVE	2			2	
PFX146324	PROFLO	LEAD LAW COMPLIANT 3/8 C X 1/2 FIP 20 STAINLESS STEEL SINK CONNECTOR	2			2	
PFE7	PROFLO	5/8" OD CP SHALLOW ESC FLANGE	2			2	
		<b>SUBTOTAL</b>	1	EA	\$126.40	1	\$126.40
		<b><u>WB-1 WASHER BOX</u></b>					
O39121	OATEY	LF FIR IMOB QT HAMM BV SWT	1	EA	\$64.00	1	\$64.00

2 UF-1 @ \$61.25 = \$122.50  
6% tax \$7.35  
total \$129.85