



REBID: GYMNASIUM BOILER REPLACEMENT FOR BUHL JOINT SCHOOL DISTRICT #412

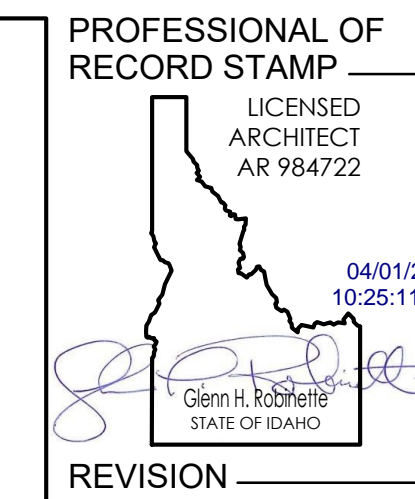
601 MAPLE STREET

BUHL, IDAHO

DATE : APRIL 2025



270 N. 27th St. BOISE, ID. 83702 208.338.1212



REVISION

MECHANICAL ENGINEER

LEGEND

- ARCHITECTURAL KEYNOTES
- BUILDING SECTIONS
- REVISION
- DETAILS

CONSULTANTS

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CRAIG BRASHER

MECHANICAL ENGINEER

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NIELSON ENGINEERING, INC.
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INDEX OF DRAWINGS

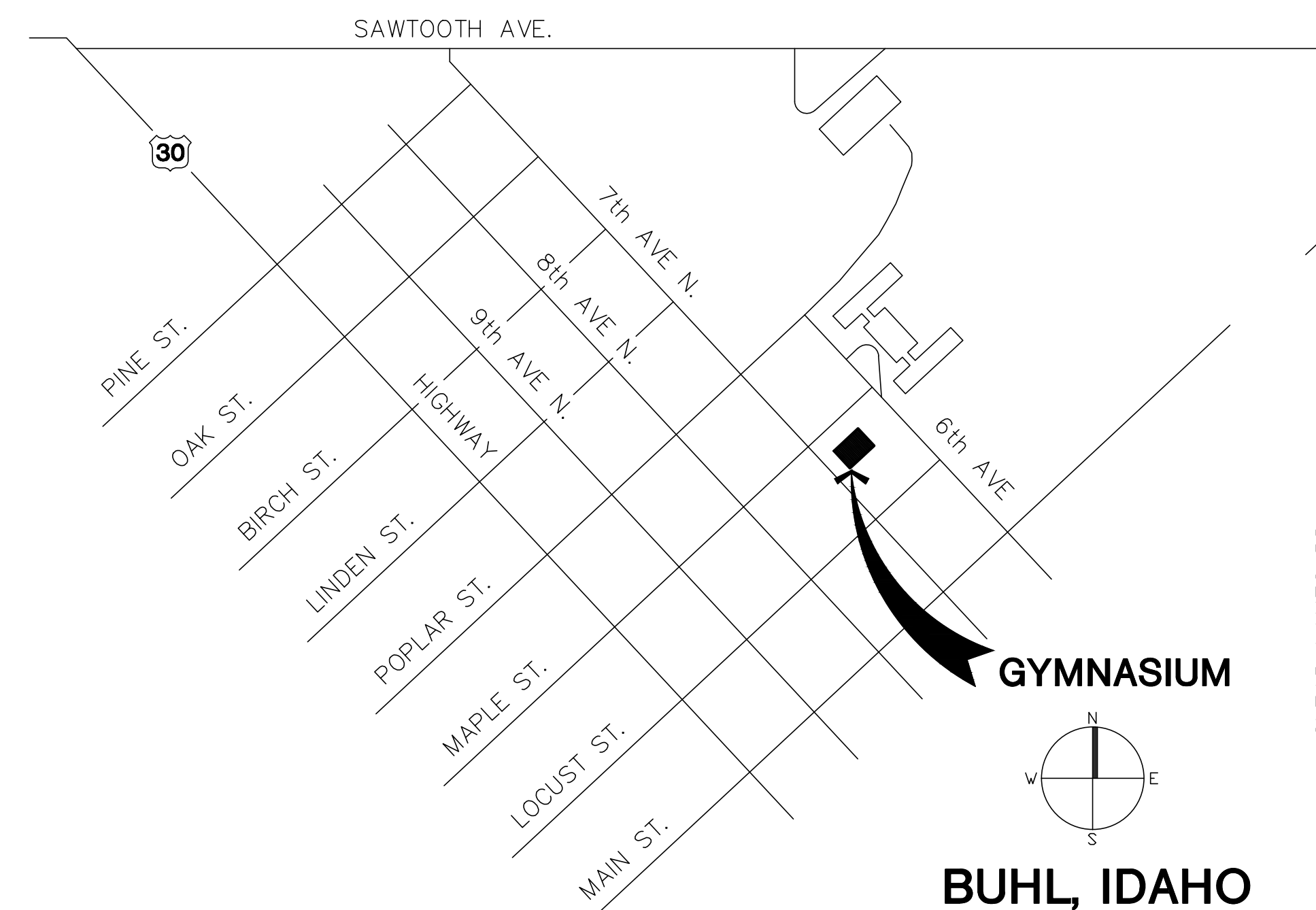
- A0.0 COVER SHEET
- A1.0 DEMO & FLOOR PLAN, WALL SECTION & DETAILS
- S1.1 STRUCTURAL DETAIL
- M1-1 BOILER ROOM MECH. DEMO & REMODEL
- M1.2 BOILER DETAILS & NOTES

CODE DATA

GYMNASIUM BUILDING

CODES:	NO. OF STORIES:	1 (NO CHANGE)
2018 INTERNATIONAL BUILDING CODE (IBC)	CONSTRUCTION TYPE:	V-4 (NO CHANGE)
2017 IDAHO STATE PLUMBING CODE	OCCUPANCY:	E
2018 INTERNATIONAL MECHANICAL CODE (IMC)	FULLY FIRE SPRINKLED:	NO
2017 NATIONAL ELECTRICAL CODE (NEC)	OCCUPANT LOAD:	EXISTING (NO CHANGE)
	EXIT ACCESS:	EXISTING (NO CHANGE)

VICINITY MAP



DATE
APRIL 2025

REF NO.
24.118

PROJECT: **REBID: BUHL JOINT SCHOOL DISTRICT #412**
GYMNASIUM BOILER REPLACEMENT
 PROJECT ADDRESS:
601 MAPLE STREET BUHL ID 83316
COVER SHEET

SHEET NO.

A0.0

THIS DRAWING AND ANY PARTS THEREOF ARE THE EXCLUSIVE PROPERTY OF HSA ARCHITECTS AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION. COPYRIGHT 2024. ALL RIGHTS RESERVED.

DEMO KEYNOTES

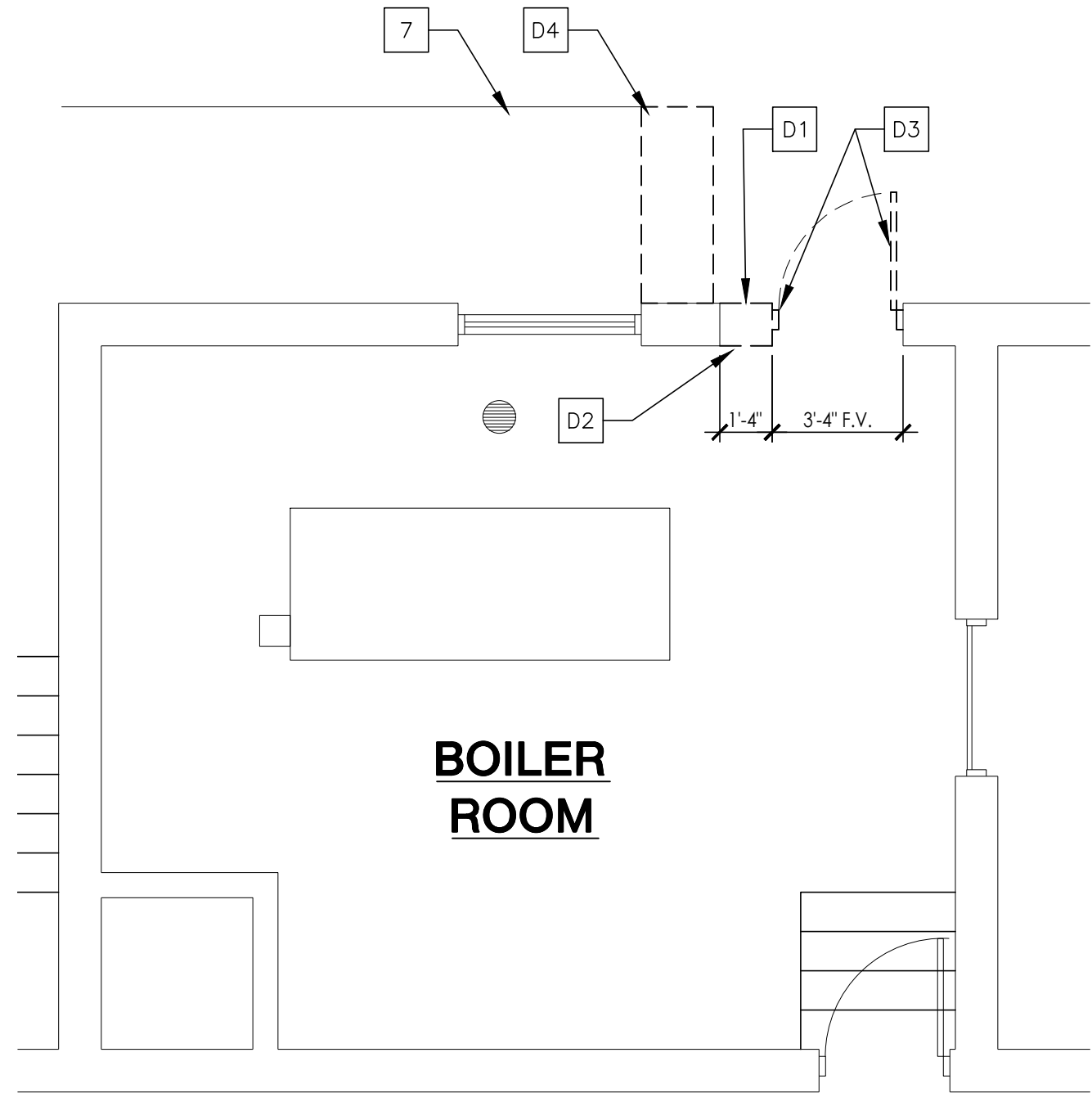
- D1. DEMOLISH EXISTING MASONRY WALL TO EXTENT SHOWN (DASHED LINES). SEE SHEET S1.1 PRIOR TO STARTING ANY DEMO WORK.
- D2. RELOCATE EXISTING ELECTRICAL SWITCH AS REQUIRED.
- D3. REMOVE DOOR & H.M. FRAME. CAREFULLY REMOVE EXISTING MASONRY VENEER TO BE REUSED WHERE REQUIRED. SEE SHEET S1.1.
- D4. SAWCUT EXISTING CONCRETE SIDEWALK BACK TO EXISTING SIDEWALK CONTROL JOINT AND REMOVE AS REQUIRED FOR NEW CONCRETE.

KEYNOTES

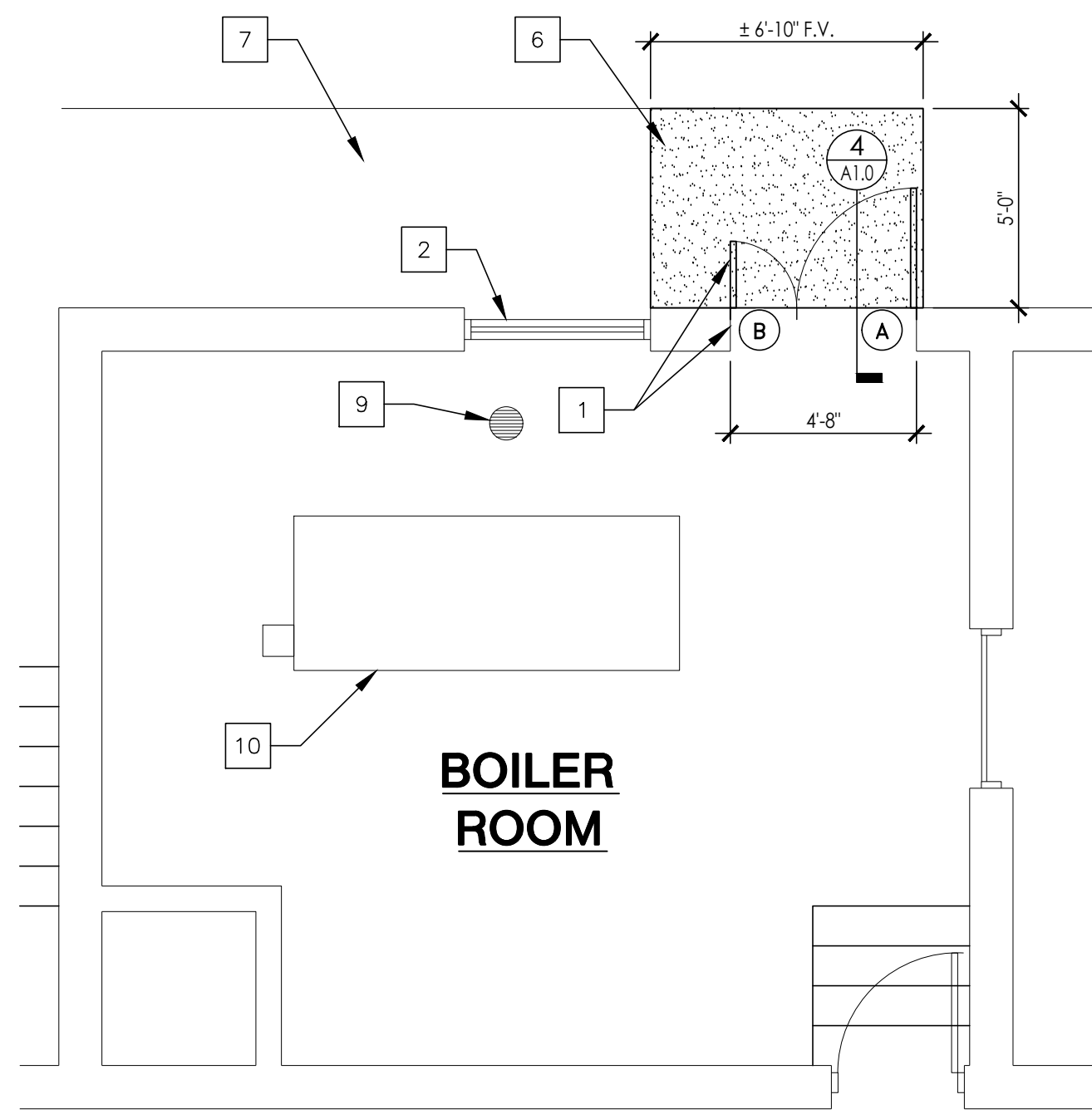
- 1. NEW H.M. DOOR FRAME AND DOOR. SEE THE DOOR SCHEDULE & SHEET S1.1 FOR NEW STRUCTURAL FRAME.
- 2. EXISTING WINDOW OPENING TO REMAIN. NO WORK REQUIRED.
- 3. NEW STRUCTURAL STEEL REINFORCED OPENING. SEE SHEET S1.1.
- 4. EXISTING MASONRY VENEER OVER CMU TO REMAIN. PATCH BACK MASONRY TO MATCH ADJACENT BRICK COURSING.
- 5. EXISTING CONCRETE SLAB TO REMAIN.
- 6. NEW 4" THICK CONCRETE LANDING OVER 4" MIN. COMPACTED GRANULAR FILL OVER COMPACTED BASE. SLOPE AWAY FROM BUILDING 1 1/2" FT. MAX.. PROVIDE BROOM FINISH.
- 7. EXISTING CONCRETE SIDEWALK TO REMAIN.
- 8. EXISTING ROOF DRAIN PIPE TO REMAIN.
- 9. EXISTING FLOOR DRAIN TO REMAIN.
- 10. EXISTING CONCRETE PAD TO REMAIN.

GENERAL NOTES

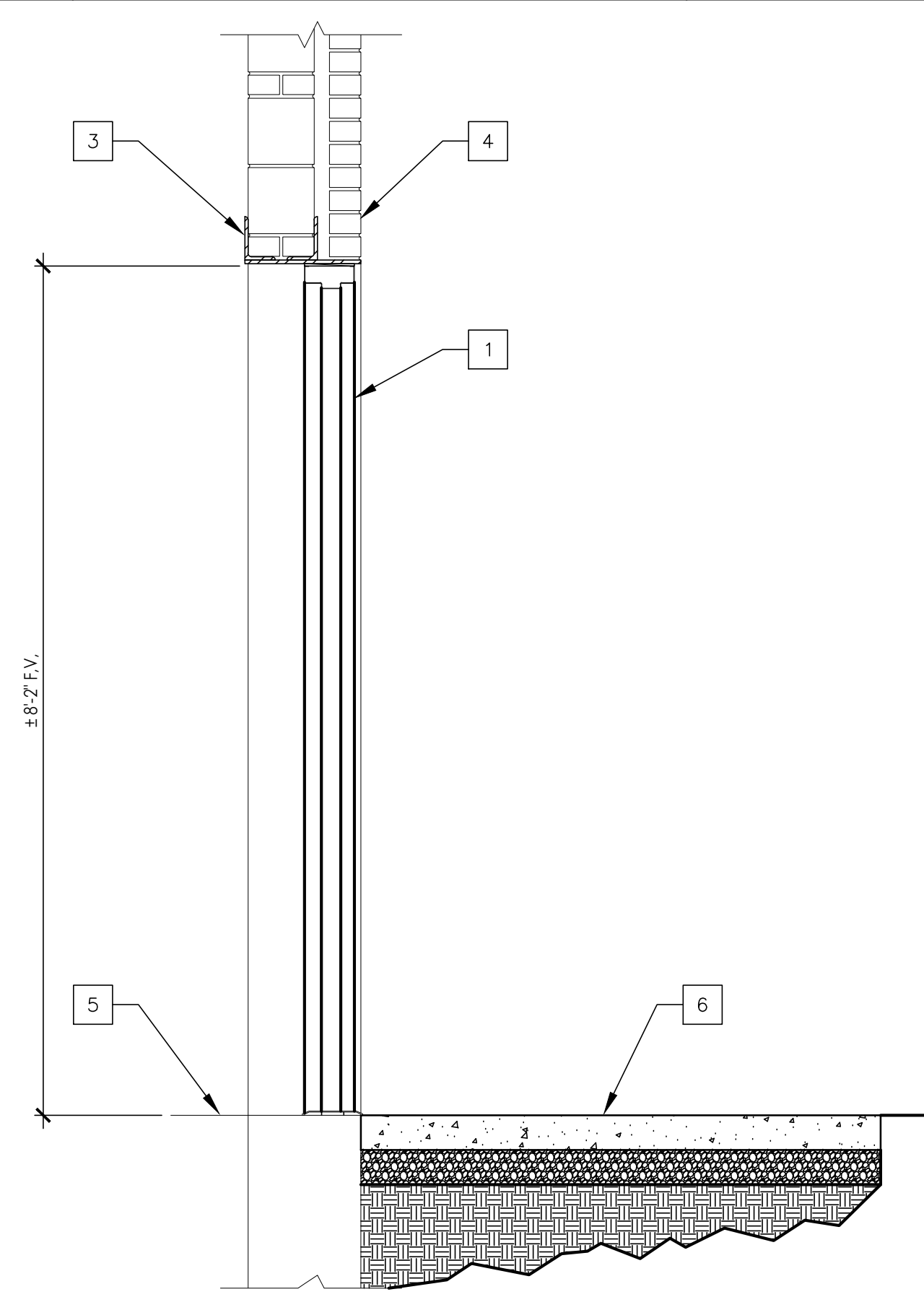
- 1. PROTECT EXISTING LANDSCAPE AND SITE IMPROVEMENTS TO REMAIN. CONTRACTOR IS RESPONSIBLE TO REPAIR OR REPLACE ALL DAMAGE DURING CONSTRUCTION INCLUDING SPRINKLER DAMAGE, COMPACTION AND RUTTING OF LAWN, SIDEWALK AND ROADWAY DAMAGE.
- 2. CONTRACTOR TO PROTECT EXISTING FINISHES TO REMAIN AND REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.



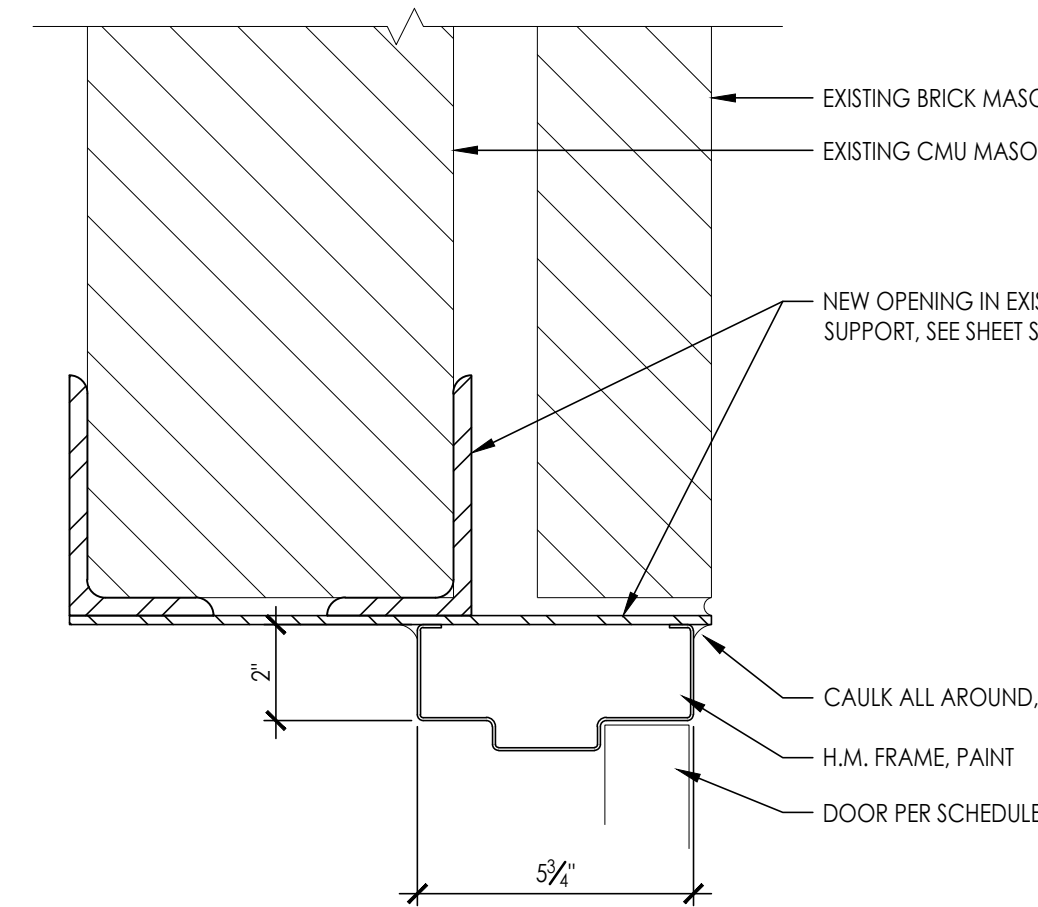
1 DEMOLITION PLAN
 Scale: 1/4" = 1'-0"



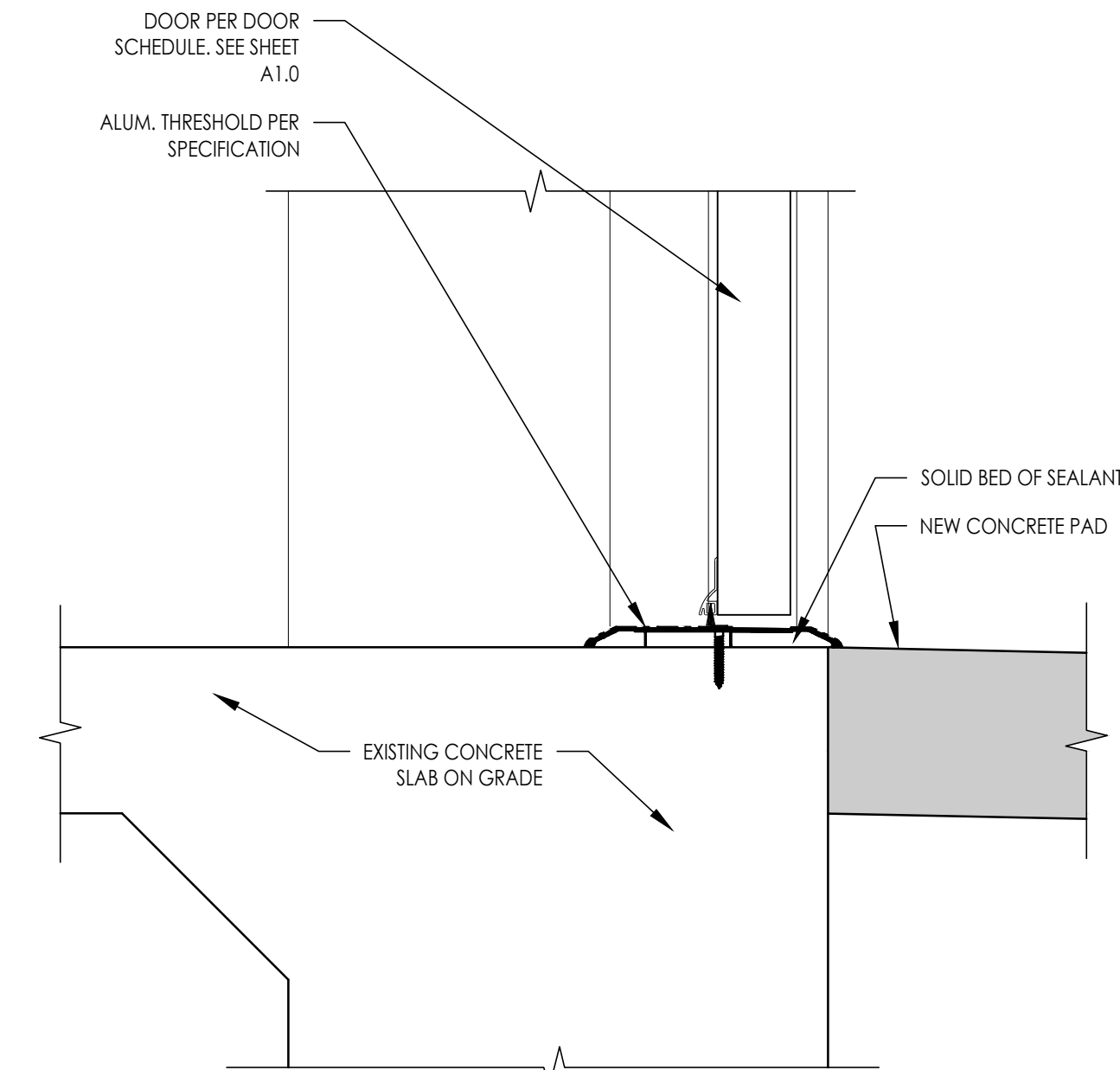
2 PARTIAL FLOOR PLAN
 Scale: 1/4" = 1'-0"



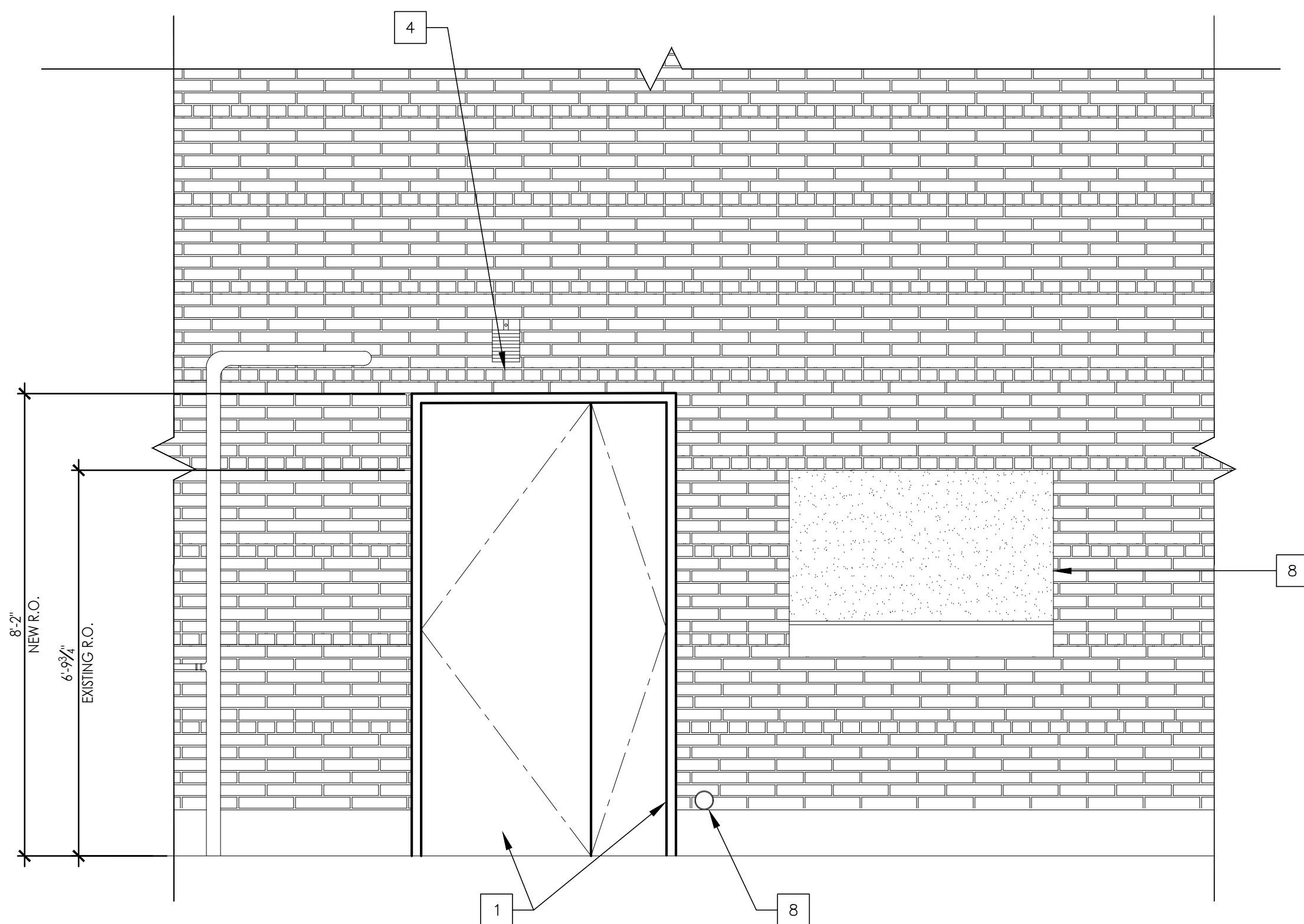
3 WALL SECTION
 Scale: 3/4" = 1'-0"



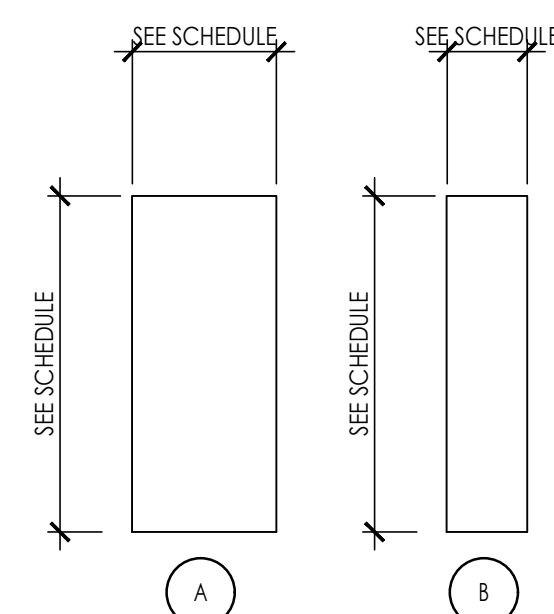
4 HEAD/JAMB DETAIL
 Scale: 3" = 1'-0"



5 DOOR THRESHOLD DETAIL
 Scale: 3" = 1'-0"



4 EXTERIOR ELEVATION
 Scale: 1/2" = 1'-0"



DOOR TYPES
 Scale: 1/4" = 1'-0"

DOOR SCHEDULE

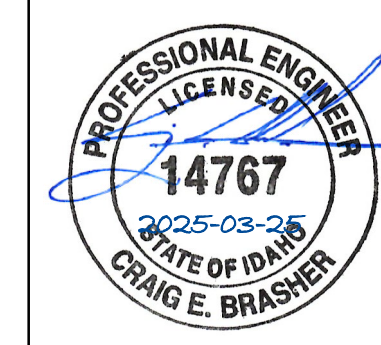
#	DOOR WIDTH	DOOR HEIGHT	DOOR THICK.	DOOR TYPE	DOOR MAT'L	DOOR FINISH	FRAME MAT'L	FRAME FINISH	HARDWARE GROUP	SIGNAGE	DOOR & FRAME FIRE RATING	HEAD DETAIL	JAMB DETAIL	THRESHOLD DETAIL	REMARKS
100	(PR) 3'-0"	8'-0"	1 3/4"	A	ST/INSUL	P	HM	P	01	-	-	4/A1.0	4/A1.0	5/A1.0	
	1'-8"	8'-0"	1 3/4"	B	ST/INSUL	P	HM	P	01	-	-	4/A1.0	4/A1.0	5/A1.0	

LEGEND

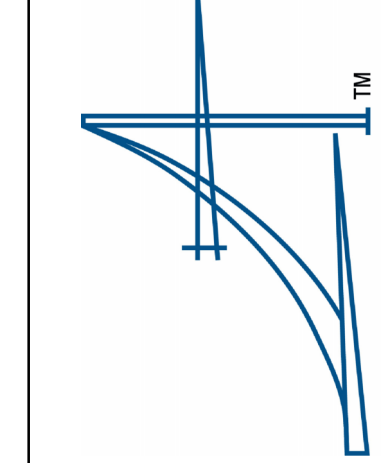
- HM HOLLOW METAL
- INSUL INSULATED
- ST STEEL
- P PAINT

NOTES

- 1. SEE DOOR HARDWARE GROUPS IN THE SPECIFICATIONS.
- 2. THRESHOLDS AT ALL ENTRY DOORS TO BE MAXIMUM 1 1/2" HIGH AND MEET ADA REQUIREMENTS.



Ally Structural Consulting, LLC
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208-949-6993
PROJECT: 24-018



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270 N. 27th St. BOISE, ID. 83702
208.338.1212

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PROJECT
REBID: BUHL JOINT SCHOOL DISTRICT #412
GYMNASIUM BOLIER REPLACEMENT
PROJECT ADDRESS
601 MAPLE STREET BUHL ID 83316
STRUCTURAL DETAIL

SHEET NO.

S1.1

GENERAL STRUCTURAL NOTES (G.S.N.)

GENERAL

THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY. THESE STRUCTURAL DRAWINGS ARE INTENDED TO PRESENT SUFFICIENT DIMENSIONS TO INDICATE MAJOR PLAN SIZES AND TO LOCATE PRIMARY STRUCTURAL COMPONENTS. THE CONTRACTOR SHALL COORDINATE LOCATION OF SECONDARY ELEMENTS, WALLS, OR MEMBERS RELATED TO OTHER DISCIPLINES. USE DETAILS MARKED "TYPICAL" WHEREVER APPLICABLE. CHANGES, OMISSIONS OR SUBSTITUTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE (IBC). THE DESIGN, ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND HAS NOT BEEN CONSIDERED BY THE STRUCTURAL ENGINEER. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

PRODUCT AND MATERIAL SUBSTITUTIONS

PRODUCTS AND MATERIALS ARE TO BE AS SPECIFIED IN THE CONTRACT DOCUMENTS. SUBSTITUTIONS ARE NOT PERMITTED WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER AND ARCHITECT.

DESIGN LOADS

ROOF LIVE LOAD	20 PSF
GROUND SNOW LOAD, P _g	30 PSF
FLAT-ROOF SNOW LOAD, P _f	23 PSF
MINIMUM SNOW LOAD, P _m	25 PSF
SNOW EXPOSURE FACTOR, C _e	1.0
IMPORTANCE FACTOR (SNOW), I _s	1.0
THERMAL FACTOR, C _t	1.1
RISK CATEGORY PER IBC	II
BASIC WIND SPEED, V _{ULT}	102 MPH (3 SEC GUST), EXPOSURE C

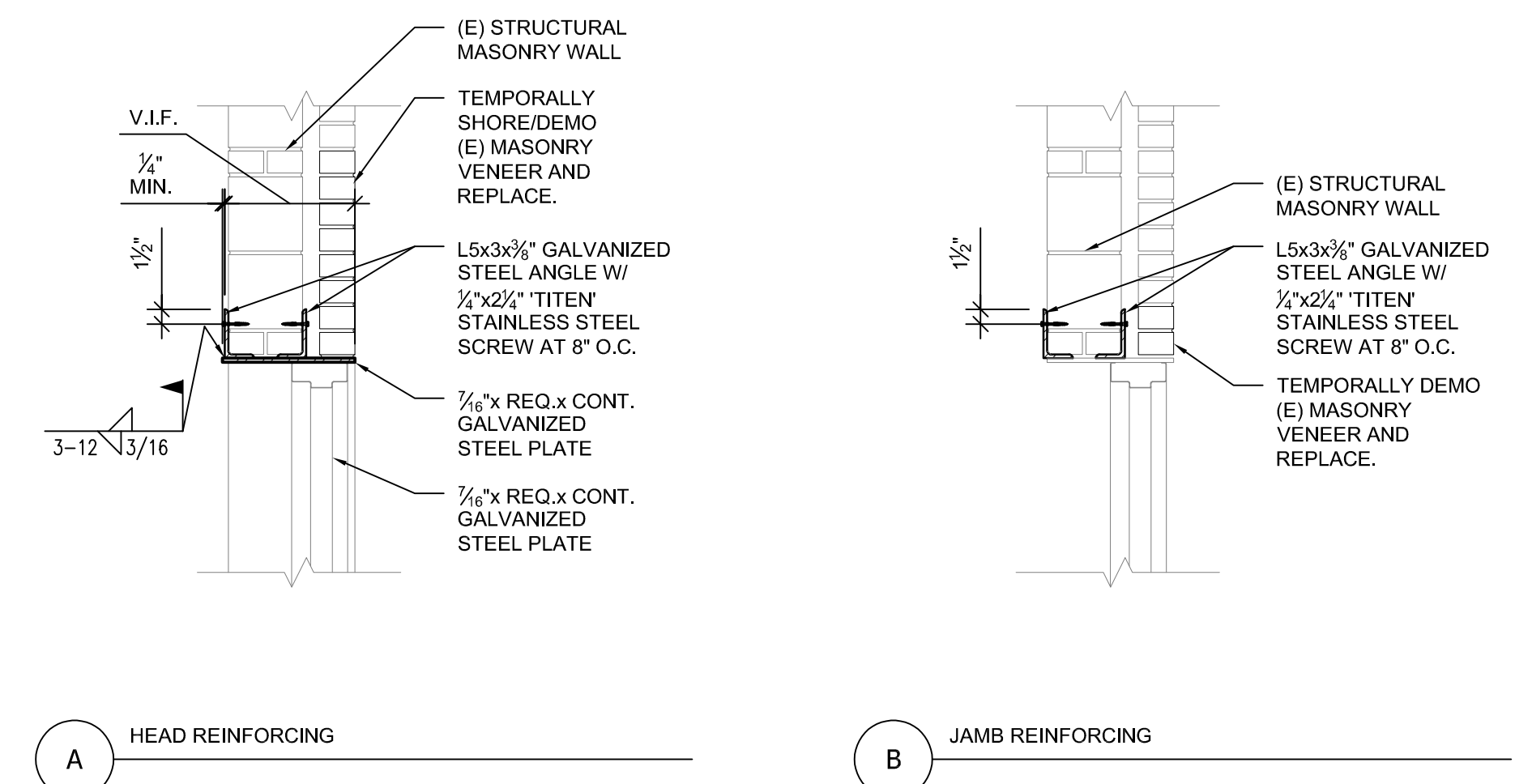
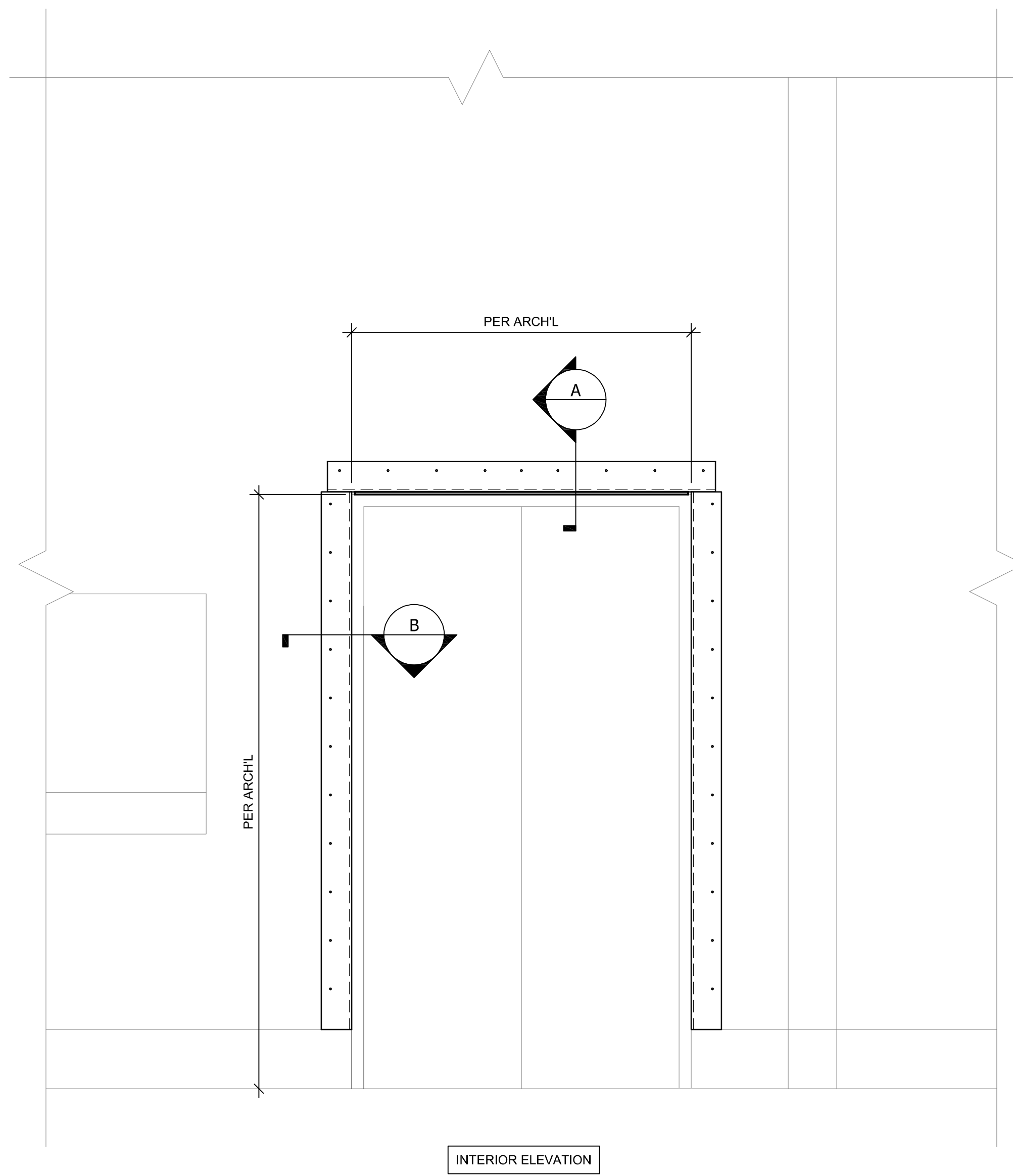
STRUCTURAL AND MISC. STEEL

CHANNELS, ANGLES, PLATES AND BARS: ASTM A36, F_y = 36 KSI MINIMUM.

WELDING ELECTRODES OR WIRES: AWS A5.1 OR A5.5, E70XX; AWS A5.18, E70S-X; AWS A5.20, E7XT-X.

ERECTION AND FABRICATION: IN ACCORDANCE WITH AISC "SPECIFICATIONS FOR DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS". WELDING SHALL CONFORM TO AWS "CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION". ALL WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS. ALL COLUMNS AND BEAMS TO BE FROM UN-SPLICED LENGTHS UNLESS NOTED OTHERWISE ON THE DRAWINGS. SUBMIT SHOP DRAWINGS SHOWING SIZES, DIMENSIONS AND REQUIRED CONNECTION DETAILS FOR REVIEW BY THE STRUCTURAL ENGINEER PRIOR TO FABRICATION.

FIELD WELDS: WELDING OF STRUCTURAL STEEL SHALL BE PERFORMED IN THE SHOP WHENEVER PRACTICAL. AN EFFORT HAS BEEN MADE TO INDICATE WELDS THAT CAN BE OR SHOULD BE FIELD WELDED. IT IS, HOWEVER, THE FABRICATORS RESPONSIBILITY TO DECIDE WHERE AND HOW THE WELDING IS TO BE ACCOMPLISHED TO ACHIEVE THE INTENDED RESULT.



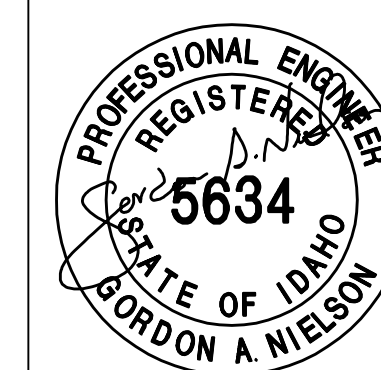
NOTE:
SAWCUT MASONRY AND INSERT HEAD REINFORCING ANGLES AND SCREWS, THEN REMOVE STRIP OF MASONRY AT JAMBS TO INSTALL JAMB REINFORCING

1 NEW OPENING IN EXSITNG MASONRY WALL

SCALE: 3/4" = 1'-0"

STRUCTURAL DRAWINGS

1 2 3 4 5 6 7



BOILER SCHEDULE																	
UNIT NO.	MBH CAPACITY			ASME PRESS. RATING	MAXIMUM WORKING TEMPERATURE	FLUE TYPE	COMBUSTION AIR INLET	FLUE SIZE	STEAM OUTLET	BOILER PRESS.	SIZE			VOLTAGE & PHASE	NOTES	MANUFACTURER & MODEL NO.	
	OUTPUT @ 4000 FEET	OUTPUT @ SEA LEVEL	INPUT @ SEA LEVEL								LENGTH	WIDTH	HEIGHT				OPERATING WT. (LBS.)
1	795.2	837.0	1,046.0	150 PSI	-	CAT. III	FROM FA DAMPER	10"	3"	10 psi	39"	39"	93"	4,374	120V/1Ø 19.8 AMPS	1 2 3 4 5 6 7 - - -	FULTON CLASSIC ICS-25
2	794.9	936.0	1,148.0	150 PSI	-	CAT. III	FROM FA DAMPER	12"	3"	10 psi	60"	42"	80"	3,013	120V/1Ø 5.2 AMPS	1 2 3 4 5 6 7 - - -	ALDRICH D6900

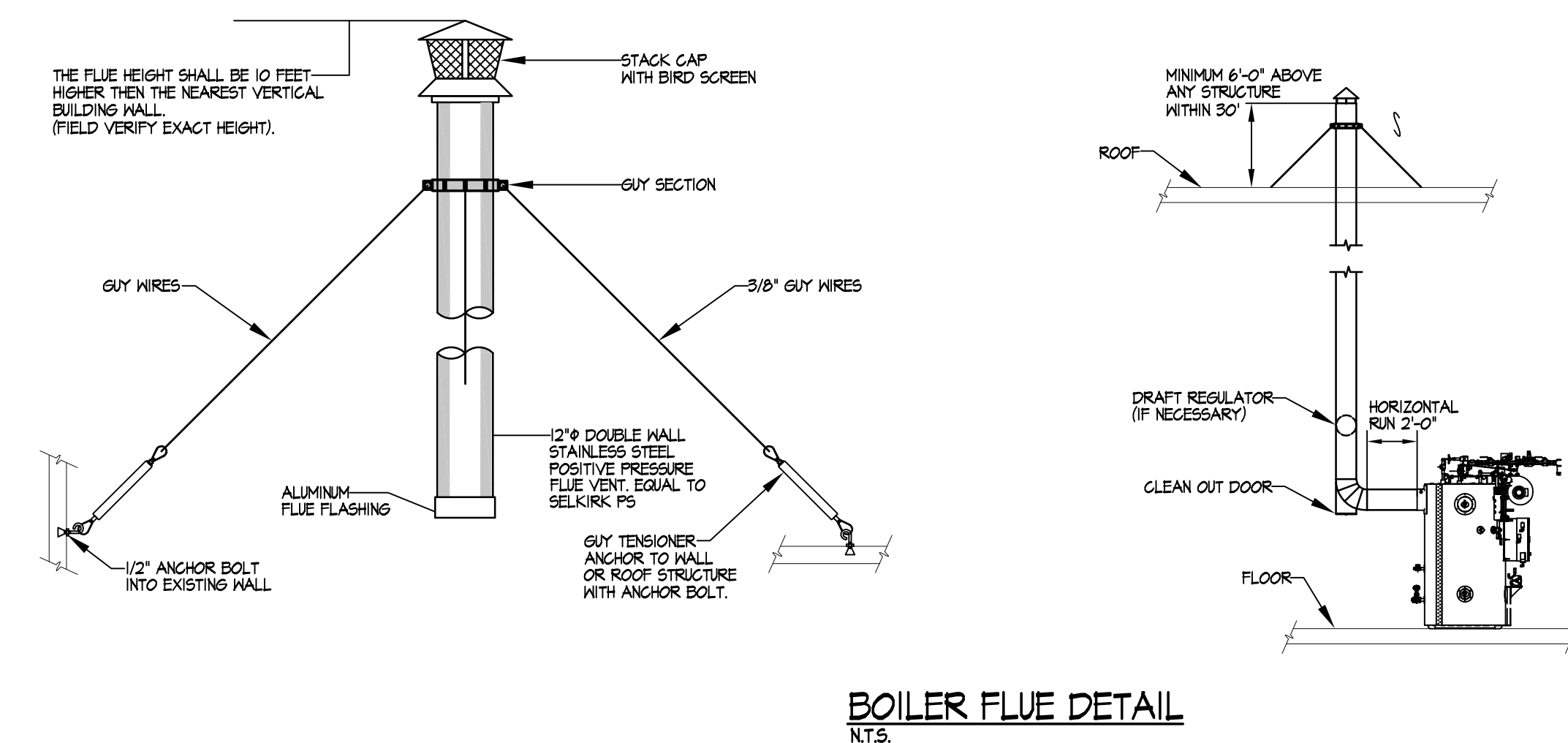
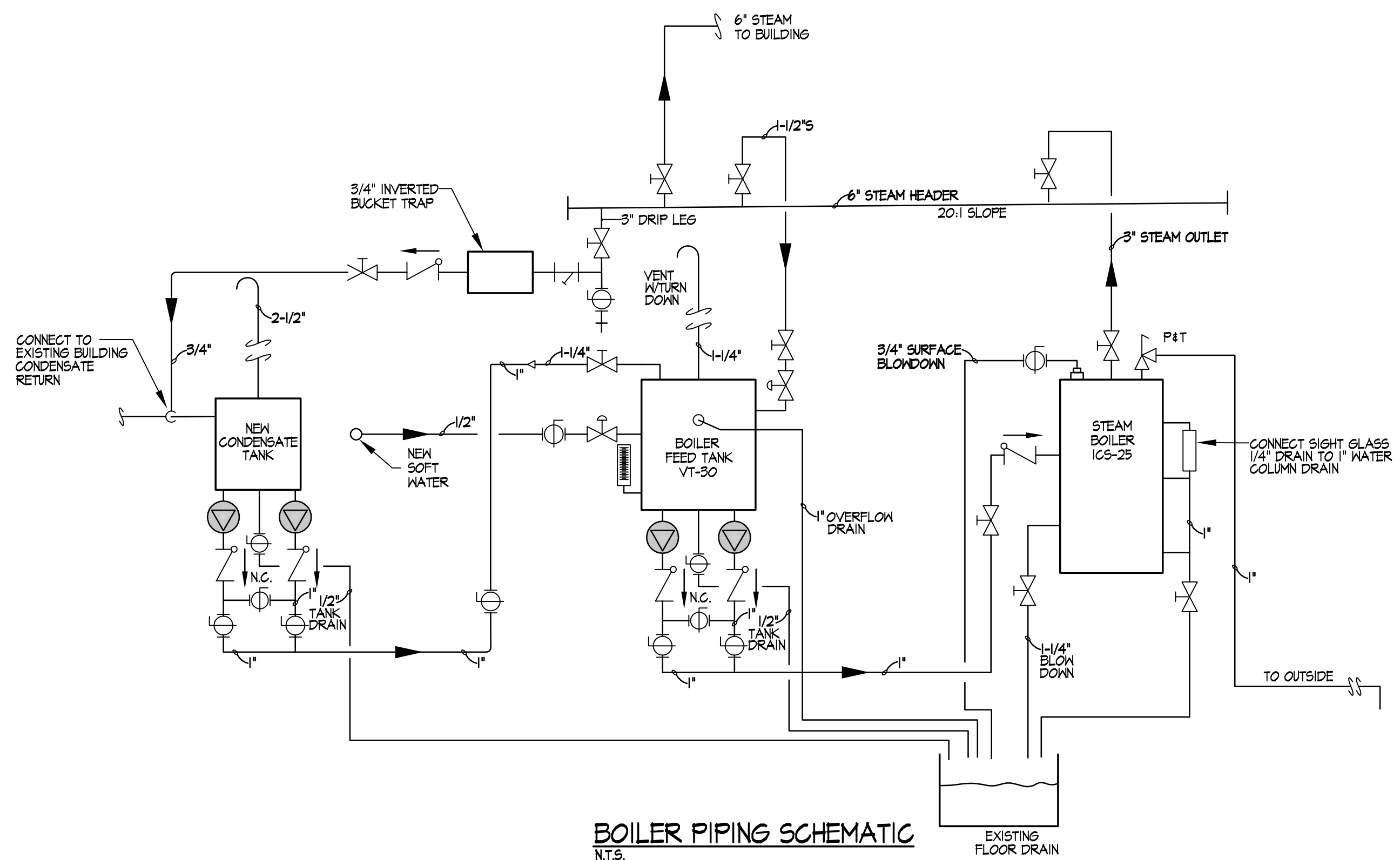
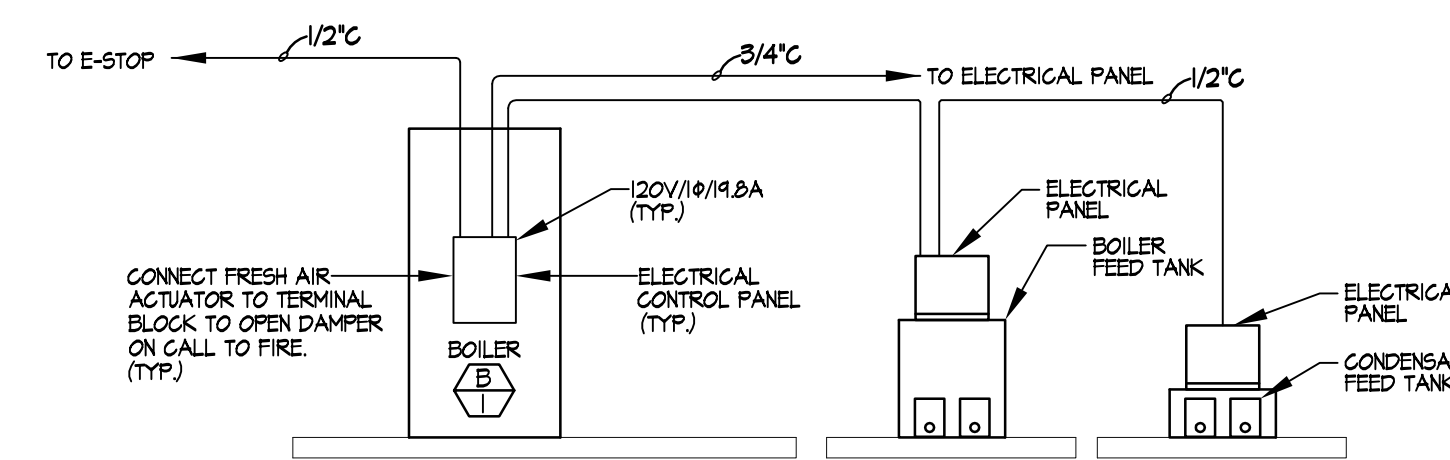
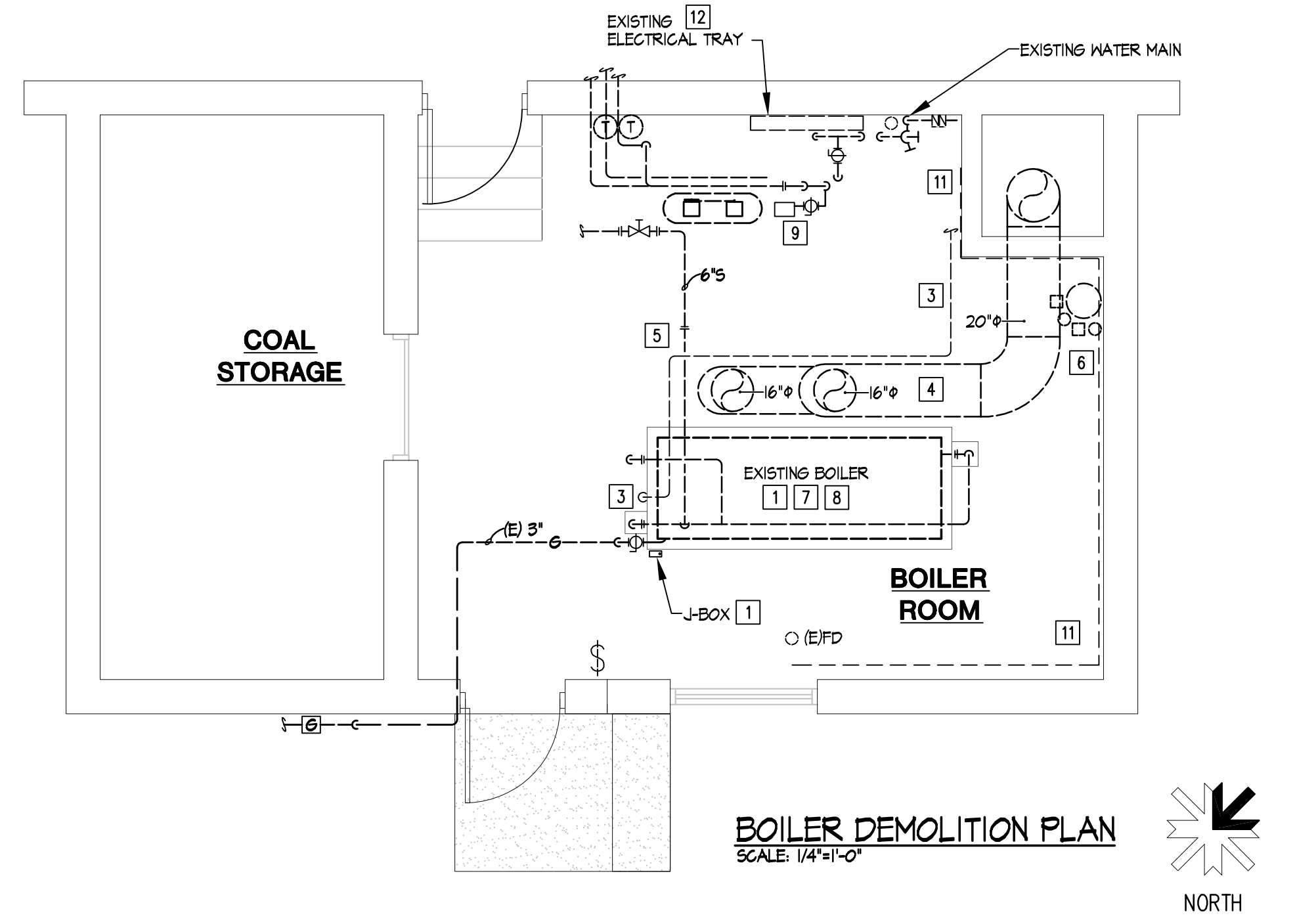
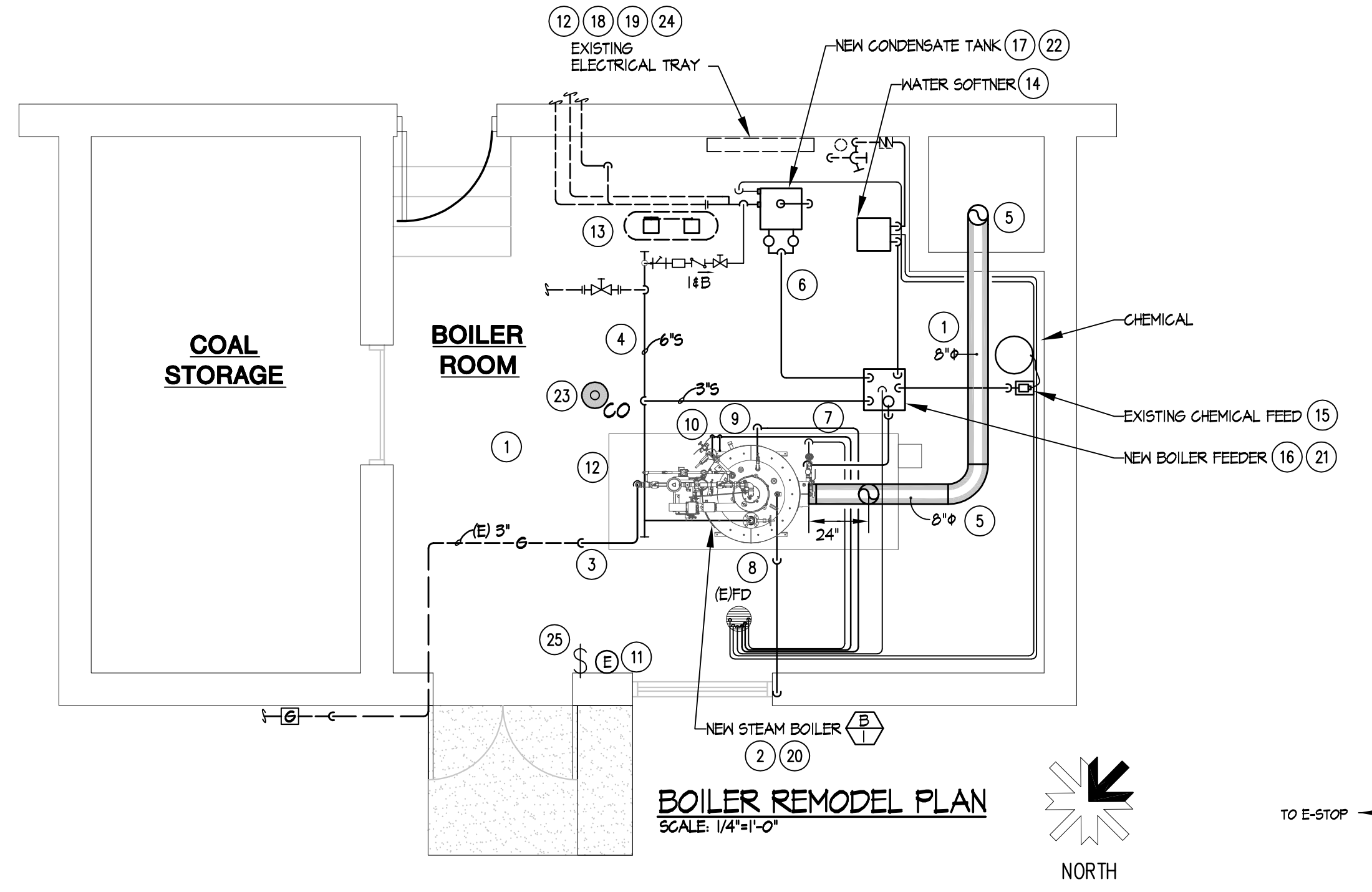
- NOTES:
- 1 PROVIDE HIGH ALTITUDE FAN AND FRESH AIR DAMPER RELAY.
 - 2 BOILER APPROVAL: FULTON AND HURST - FOR FULTON CONTACT CLAYTON ROOP AT HIS 801-803-0796 FOR ALDRICH CONTACT MIKE GRAY 800-861-7122
 - 3 GAS PRESSURE 7" TO 11" WC.
 - 4 BOILER CONTROLS BY MECHANICAL CONTRACTOR.
 - 5 PROVIDE FULTON VT-30 FEED WATER TANK 46 GALLONS WITH DUAL PUMPS, 1/3 HP 120V/1 PHASE, PREHEAT KIT AND CONTROL PANEL BOX.
 - 6 PROVIDE STERLCO 4200 SERIES CONDENSATE TANK MODEL 4226-G0. DUPLEX PUMP, CAST IRON, 9 GPM, 15 GALLONS, TWO 1/3 HP PUMPS 120V/1 PHASE AND CONTROL PANEL.
 - 7 PROVIDE WATER SOFTENER EQUAL NORTH STAR # NSC22.

PIPING NOTES

STEAM PIPING - SCHEDULE 40 BLACK STEEL, 3" INSULATION
CONDENSATE PIPING - SCHEDULE 80 BLACK STEEL, 2" INSULATION

- REMODEL KEY NOTES**
- 11 INTERLOCK NEW BOILER TO NEW EMERGENCY E-STOP LOCATED AT THE DOOR. ACTIVATION OF E-STOP SHALL DISCONNECT POWER TO BOILER.
 - 12 PROVIDE AND INSTALL A NEW FUSED (25 AMP) DISCONNECT SWITCH FOR BOILER. INSTALL DISCONNECT SWITCH ABOVE EXISTING WIREWAY. OBTAIN POWER FROM EXISTING CIRCUIT IN WIREWAY (120V/1Ø/19.8A).
 - 13 PIPE AIR COMPRESSOR BLOW DOWN OUTLET TO FLOOR DRAIN.
 - 14 INSTALL NEW WATER SOFTENER AND PIPING. CONNECT SUPPLY TO EXISTING BACKFLOW. ROUTE BACKWASH PIPE TO FLOOR DRAIN.
 - 15 RE-PIPE EXISTING CHEMICAL FEED TO BOILER FEED TANK.
 - 16 INSTALL AND PIPE NEW BOILER FEED. ANCHOR TO CONCRETE FLOOR.
 - 17 INSTALL NEW CONDENSATE TANK. CONNECT ALL THE EXISTING AND NEW CONDENSATE PIPING TO ONE CONDENSATE PIPE AND CONNECT TO THE NEW CONDENSATE TANK INLET. INSTALL 1-1/4" OVERFLOW PIPE AND ROUTE TO THE EXISTING FLOOR DRAIN.
 - 18 PROVIDE AND INSTALL A NEW FUSED (25 AMP) DISCONNECT SWITCH FOR BOILER FEED PUMPS. INSTALL DISCONNECT SWITCH ABOVE EXISTING WIREWAY. OBTAIN POWER FROM EXISTING CIRCUIT IN WIREWAY (120V/1Ø/14.4A).
 - 19 PROVIDE AND INSTALL A NEW FUSED (25 AMP) DISCONNECT SWITCH FOR CONDENSATE PUMPS. INSTALL DISCONNECT SWITCH ABOVE EXISTING WIREWAY. OBTAIN POWER FROM EXISTING CIRCUIT IN WIREWAY (120V/1Ø/14.4A).
 - 20 PROVIDE AND INSTALL A 3/4" CONDUIT WITH TWO (2) #10 AWG PLUS ONE (1) #10 AWG GROUND FROM BOILER CONTROL PANEL, OVERHEAD TO NEW BOILER FUSED DISCONNECT SWITCH (REF. KEYNOTE 12).
 - 21 PROVIDE AND INSTALL A THERMAL SWITCH FOR EACH BOILER FEED PUMP (SQ. D" #2510 FG IP - TYP. 2) AND A 3/4" CONDUIT WITH TWO (2) #10 AWG PLUS ONE (1) #10 AWG GROUND FROM CONDENSATE PUMP THERMAL SWITCHES, OVERHEAD TO NEW BOILER FEED PUMP DISCONNECT SWITCH (REF. KEYNOTE 18).
 - 22 PROVIDE AND INSTALL A THERMAL SWITCH FOR EACH CONDENSATE PUMP (SQ. D" #2510 FG IP - TYP. 2) AND A 3/4" CONDUIT WITH TWO (2) #10 AWG PLUS ONE (1) #10 AWG GROUND FROM CONDENSATE PUMP THERMAL SWITCHES, OVERHEAD TO NEW CONDENSATE FEED PUMP DISCONNECT SWITCH (REF. KEYNOTE 19).
 - 23 PROVIDE AND INSTALL A CARBON MONOXIDE DETECTOR IN BOILER ROOM. CONNECT DETECTOR TO EXISTING FIRE ALARM SYSTEM. COORDINATE EXACT LOCATION OF EXISTING FIRE ALARM PANEL PRIOR TO BID. COORDINATE CONDUIT ROUTING TO PANEL WITH OWNER PRIOR TO INSTALLATION.
 - 24 REWORK EXISTING WIRING TERMINATIONS IN EXISTING WIREWAY. REPLACE WIRE NUTS WITH POLARIS INSULATED CONNECTORS FOR EACH CIRCUIT. AFTER REWORK IS COMPLETE, PROVIDE AND INSTALL WIREWAY COVER ON EXISTING WIREWAY TO PROTECT WIRING.
 - 25 EXTEND CONDUIT/CONDUCTORS TO RELOCATED SWITCH J-BOX. INSTALL NEW LIGHT SWITCH AND COVER AS PART OF THIS REMODEL.

- DEMOLITION KEY NOTES**
- 1 DISCONNECT AND REMOVE THE POWER AND CONTROLS TO THE EXISTING BOILER.
 - 2 SHUT OFF THE GAS MAIN SERVING THE BOILER. REMOVE ALL THE GAS PIPING NOT NEEDED FOR THE NEW BOILER GAS TRAINS.
 - 3 REMOVE ALL THE EXISTING CONDENSATE PIPING FROM THE BOILER HARTFORD LOOP TO THE GYM WALL.
 - 4 REMOVE THE TWO (2) 16"Ø BOILER FLUES FROM THE BOILER TO THE 26"Ø CHIMNEY FLUE. REMOVE ALL THE 20"Ø BOILER FLUE SECTION.
 - 5 CLOSE THE 6" ZONE STEAM VALVES. REMOVE ALL THE STEAM PIPING FROM BOILER TO HALF WAY TO THE CONTROL VALVE.
 - 6 REMOVE THE CHEMICAL FEED PIPING TO THE BOILER.
 - 7 REMOVE ALL THE STEAM BOILER CONTROLS, BLOW DOWNS, P&T VALVES, DRAIN PIPE & PIPING.
 - 8 TOTALLY REMOVE ALL THE EXISTING BOILER. WASH AND CLEAN EXISTING PAD, CLEAN CONCRETE FLOOR & MAKE READY TO INSTALL THE NEW BOILERS.
 - 9 REMOVE THE EXISTING CONDENSATE PIPING AND TRAP TO CONNECT TO THE NEW CONDENSATE TANK.
 - 10 REMOVE THE EXISTING BOILER CHIMNEY SLEEVE AND VENTING.
 - 11 REMOVE THE EXISTING WATER SOFTENER DRAIN PIPING.
 - 12 REMOVE EXISTING DISCONNECT SWITCHES LABELED "STOKER/BOILER", "SPARE" AND "COND. PUMP". THESE DISCONNECT SWITCHES WILL BE REPLACED DURING THE REMODEL. REMOVE ALL CONDUCTORS FROM EXISTING WIRING NOT BEING USED OR RE-USED IN REMODEL.
 - 13 EXISTING LIGHT SWITCH TO BE RELOCATED DURING REMODEL TO MAKE SPACE FOR WIDENED DOORWAY.



BOILER CONTRACTOR BID NOTE

THE OWNER HAS DEMO'D THE EXISTING BOILER AND EQUIPMENT. AT THE SITE VISIT AND WALK-THRU THE CONTRACTOR SHALL FIELD VERIFY WHAT ADDITIONAL DEMO STILL NEEDS TO BE ACCOMPLISHED TO INSTALL THE NEW STEAM BOILER AND EQUIPMENT. THE CONTRACTOR SHALL INCLUDE THE EXTRA REQUIRED DEMO IN THEIR BID COST.

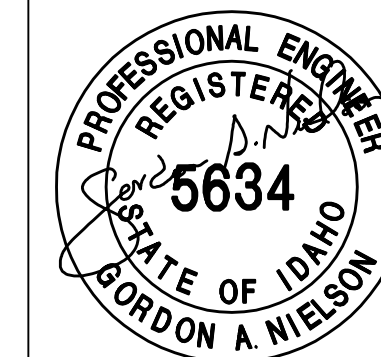
BASE BID: THE CONTRACTOR SHALL INSTALL THE NEW VERTICAL TUBE STEAM BOILER AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM AS SPECIFIED ON THE PLANS AND SPEC. THE CONTRACTOR WILL INSTALL EITHER THE FULTON OR THE ALDRICH BOILER.

ALTERNATE #1 BID: THE BOILER CONTRACTOR SHALL ALSO PROVIDE AN ALTERNATE BID TO INSTALL AN ALDRICH A3S-1000 BOILER, 1200 MBH INPUT, 849.3 OUTPUT AT 4000 FEET, CAT III FLUE, 8"Ø DIA FLUE, 4"OUTLET, 10 PSI, 76" L X 40W X 72"H, 2150 LBS DRY, 120V/1Ø/5.2A. THE CONDENSATE TANK, BOILER FEED, WATER SOFTENER AND PIPING SHALL ALL BE CONNECTED AS NOTED IN THE BASE BID.



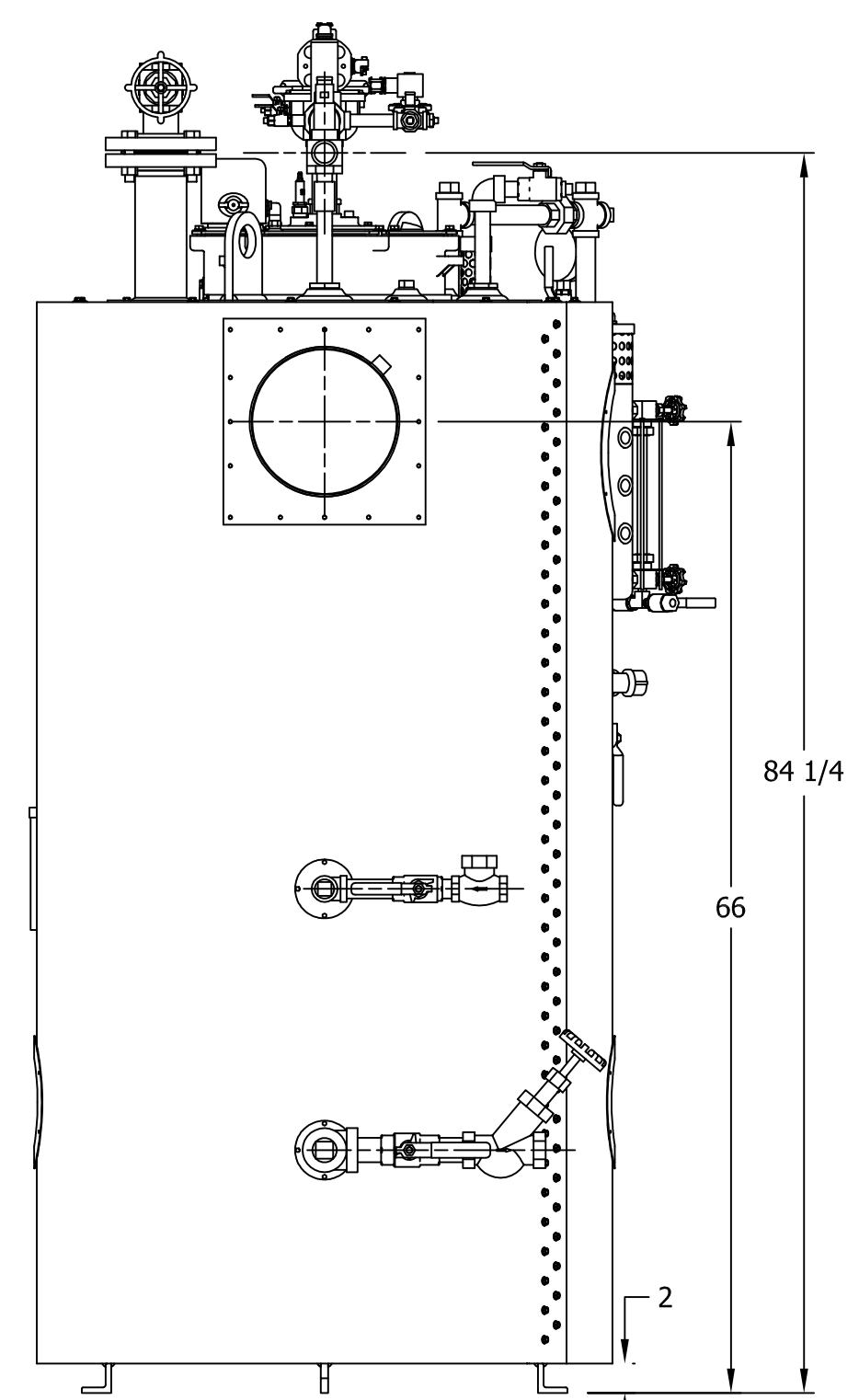
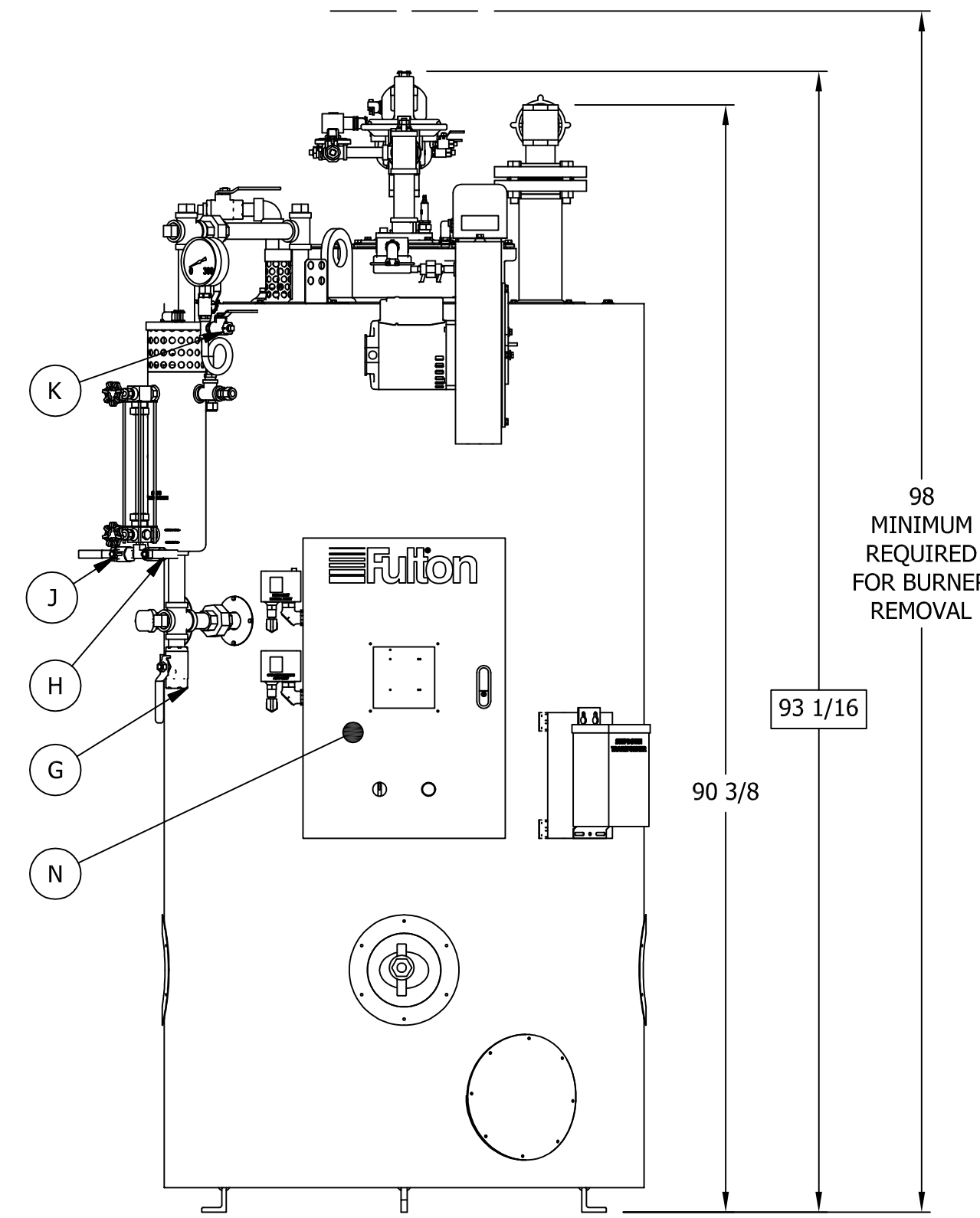
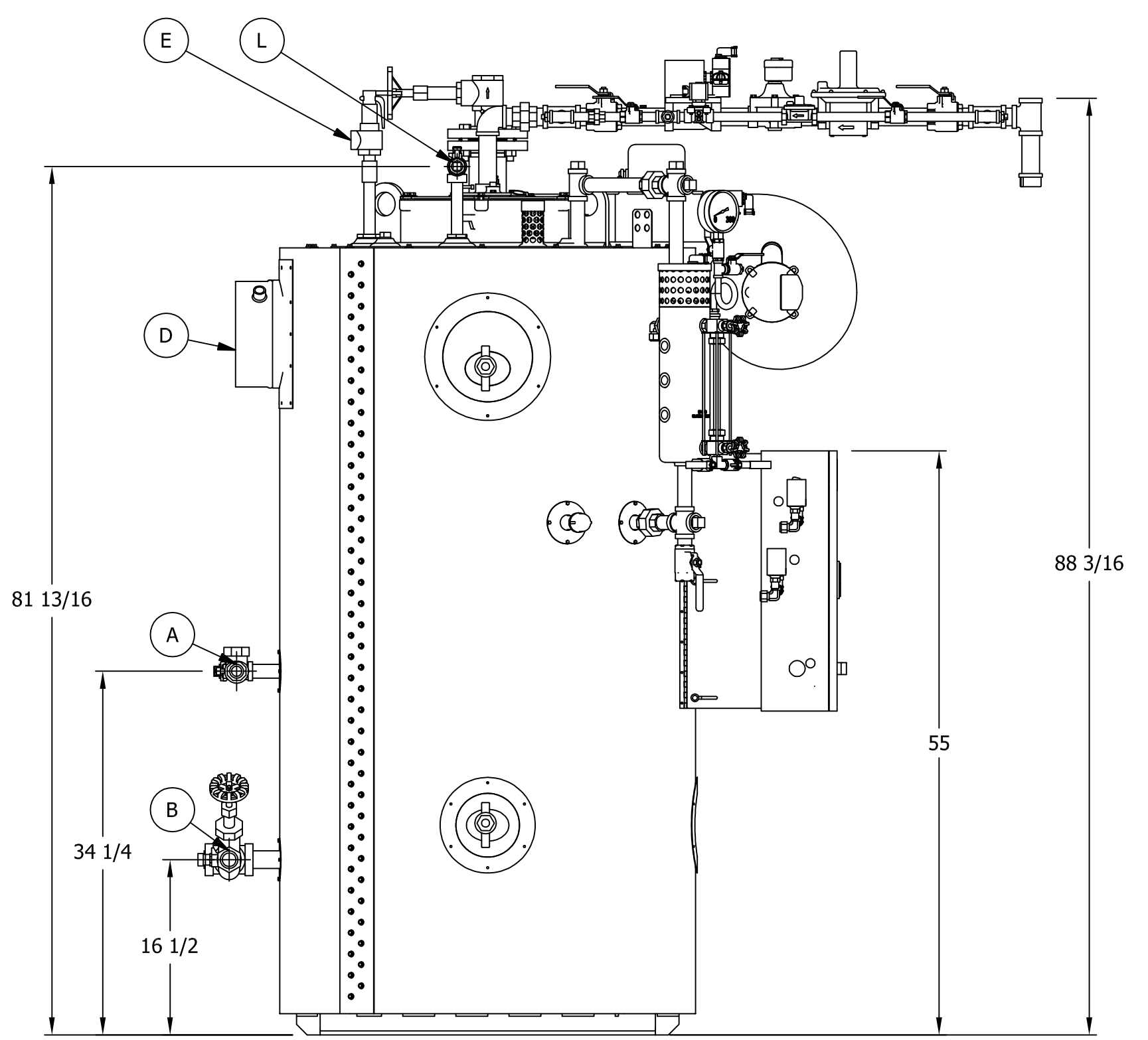
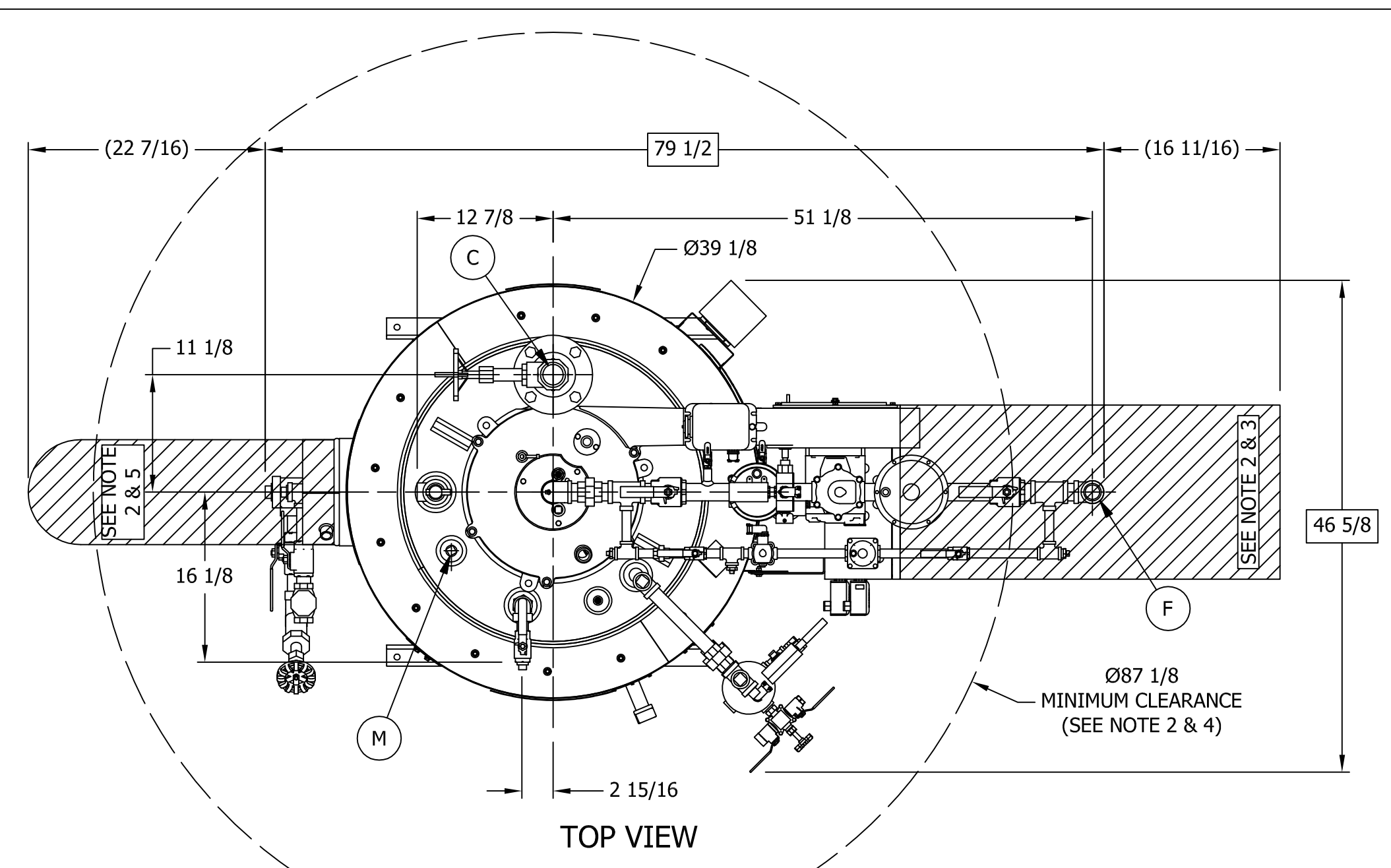
DATE: APRIL 2025
REF NO.: 24.118

PROJECT: **BUHL JOINT SCHOOL DISTRICT #412**
GYMNASIUM BOILER REPLACEMENT
PROJECT ADDRESS: **601 MAPLE STREET BUHL ID 83316**



CUSTOMER CONNECTIONS			
ITEM	DESCRIPTION	SIZE	TYPE
A	FEED WATER INLET	1"	N.P.T.
B	BLOWDOWN OUTLET	1 1/4"	N.P.T.
C	STEAM OUTLET	2"	N.P.T.
D	EXHAUST STACK	10"	----
E	SAFETY RELIEF VALVE	1"	N.P.T.
F	FUEL INLET	1 1/4"	N.P.T.
G	WATER COLUMN DRAIN	1"	N.P.T.
H	SIGHT GLASS DRAIN	1/4"	N.P.T.
J	WATER SAMPLE PORT	1/4"	N.P.T.
K	STEAM SAMPLE PORT	1/4"	N.P.T.
L	SURFACE BLOWDOWN (PLUGGED)(SEE NOTES)	3/4"	N.P.T.
M	HIGH WATER PROTECTION (PLUGGED)	3/4"	N.P.T.
N	PANEL BOX	----	----

EQUIPMENT SPECIFICATION CHART	
FUEL TYPE:	GAS
MAX ALLOWABLE WORKING PRESSURE:	150 PSI
BOILER INPUT: (NATURAL GAS)	1046 CU FT/HR
BOILER INPUT: (PROPANE)	419 FT ³ /HR
BOILER OUTPUT:	837,000 BTU/HR
STEAM OUTPUT/MIN. SRV CAPACITY:	863 LBS/HR
NET EFFECTIVE HEATING SURFACE:	75 SQ FT
WATER CAPACITY (OPERATING):	82 GAL
APPROXIMATE SHIPPING WEIGHT:	3690 LBS
APPROXIMATE OPERATING WEIGHT:	4375 LBS
BURNER MOTOR:	3/4 HP

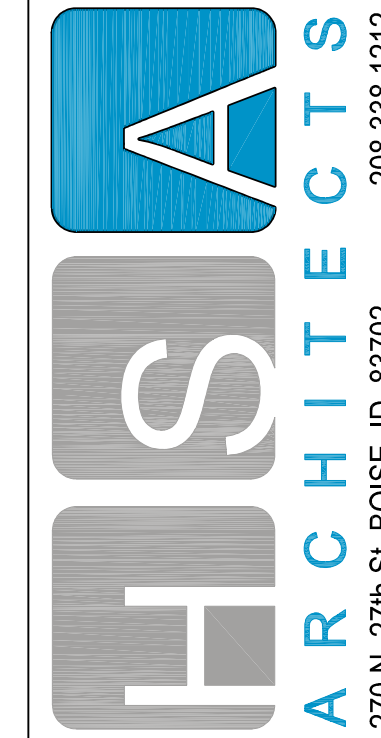


- NOTES:
1. STEAM OUTPUT LB/HR: FROM 0 PSIG AT 212°F (0 KG/CM AT 100°C)
 2. ALL CLEARANCES ARE FACTORY RECOMMENDATIONS. CONSULT LOCAL JURISDICTION FOR EXACT CODE COMPLIANCE.
 3. FULTON RECOMMENDS MINIMUM CLEARANCE OF 36" IN FRONT OF ELECTRICAL PANELS.
 4. FULTON RECOMMENDS MINIMUM CLEARANCE OF 24" ALL AROUND BOILER.
 5. FULTON RECOMMENDS 24" OF STRAIGHT, HORIZONTAL FLUE BEFORE ANY BENDS OR TURNS.
 6. PLEASE REFER TO THE O&M MANUAL FOR ADDITIONAL INFORMATION REGARDING CLEARANCES AND INSTALLATION INSTRUCTIONS.
 7. ALL DIMENSIONS INSIDE () DENOTE REFERENCE DIMENSIONS.
 8. ALL DIMENSIONS INSIDE Ø DENOTE OVERALL DIMENSIONS.
 9. OVERALL SIZE MAY VARY BASED ON TRIM AND OPTIONS.
 10. SURFACE BLOWDOWN CONNECTION IS 1 1/4" IN VESSEL, 3/4" WITH DIPTUBE INSTALLED.

REV	REVISION DESCRIPTION	B.O.M.	ELEC. ENG	MECH. ENG	CHECKED	APPROVED	<small>UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES</small> <small>TOLERANCES</small> <small>FRACTION & WHOLE VALUE</small> <small>(1) PLACE DEC. 0.03 0.07mm</small> <small>(2) PLACE DEC. 0.015 0.38mm</small> <small>(3) PLACE DEC. 0.005 0.12mm</small> <small>ANGLE 0.5DEG 0.5 DEG</small> <small>SURFACE FINISH 250 MICRO-INCHES</small> <small>SURFACE FINISH 6.35 MICRO-METERS</small>	<small>This design and drawings are the exclusive property of The Fulton Companies. The corporation does not permit their use except with prior written consent.</small>	<small>The items shown in this drawing may be covered by one or more patents of The Fulton Companies.</small>	<small>DRAWN BY:</small> S. WOODS <small>CHECKED BY:</small> N/A <small>B.O.M. REVIEW:</small> N/A	<small>MECHANICAL REVIEW:</small> W.W. 10/10/2018 <small>ELECTRICAL REVIEW:</small> N/A <small>APPROVED BY:</small> K.H. 10/10/2018	<small>JOB NUMBER:</small> <small>PROJECT NAME:</small> <small>PROJECT MANAGER:</small>	<small>DESCRIPTION:</small> STANDARD ICS 25 HP HIGH PRESSURE WITH LOW PRESSURE OPENINGS GAS FIRED ON/OFF END ASSEMBLY		<small>DRAWING NUMBER</small> 6-91-C25111 - PDS <small>REVISION</small> -
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REVISION HISTORY

SHEET 1 OF 1



DATE: APRIL 2025
REF NO.: 24.118

PROJECT: BUHL JOINT SCHOOL DISTRICT #412
REBID: BUHL JOINT SCHOOL DISTRICT #412
GYMNASIUM BOLIER REPLACEMENT
PROJECT ADDRESS: 601 MAPLE STREET BUHL ID 83316

SHEET NO. M-2

M
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