IMCC Boiler #1 Replacement Coralville, Iowa 52241 DAS#9054.01 RFB905401-01

## ADDENDUM #2

Project Name: IMCC Boiler #1 Replacement DAS#9054.01 RFB 905401-01 Addendum #2 Dated: April 8, 2021

This Addendum forms a part of the bidding and contract documents. This Addendum supersedes and supplements all portions of the original bidding and contract documents dated <u>March 17</u>, <u>2021</u> with which it conflicts.

ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPACE PROVIDED ON THE BID FORM. FAILURE TO DO SO MAY SUBJECT THE BIDDER TO DISQUALIFICATION.

## 1. BID CLARIFICATIONS

## 2. SPECIFICATIONS

- A. Section 23 0520 Steam Meters
  - 1. REPLACE 2.1.D with: "Manufacturer: McCrometer, Cameron, DDTOP, Tek-Trol, or Engineer pre-approved equivalent."
- B. Section 23 5239 Firetube Boilers
  - 1. REPLACE 2.6.A.2 with: "The burner shall be modulating with minimum turndowns of 8:1 on natural gas and 7:1 on No. 2 oil."
  - 2. REPLACE 2.3.G with: "Tube sheet and rear return no less than 0.625" thick."

### 3. DRAWINGS

- A. Sheet A10 Added 10'-0" by 5'-0" concrete approach pad to the exterior of the new overhead door
- B. Sheet M51 Updated Boiler Schedule

## 4. QUESTIONS AND CLARIFICATIONS

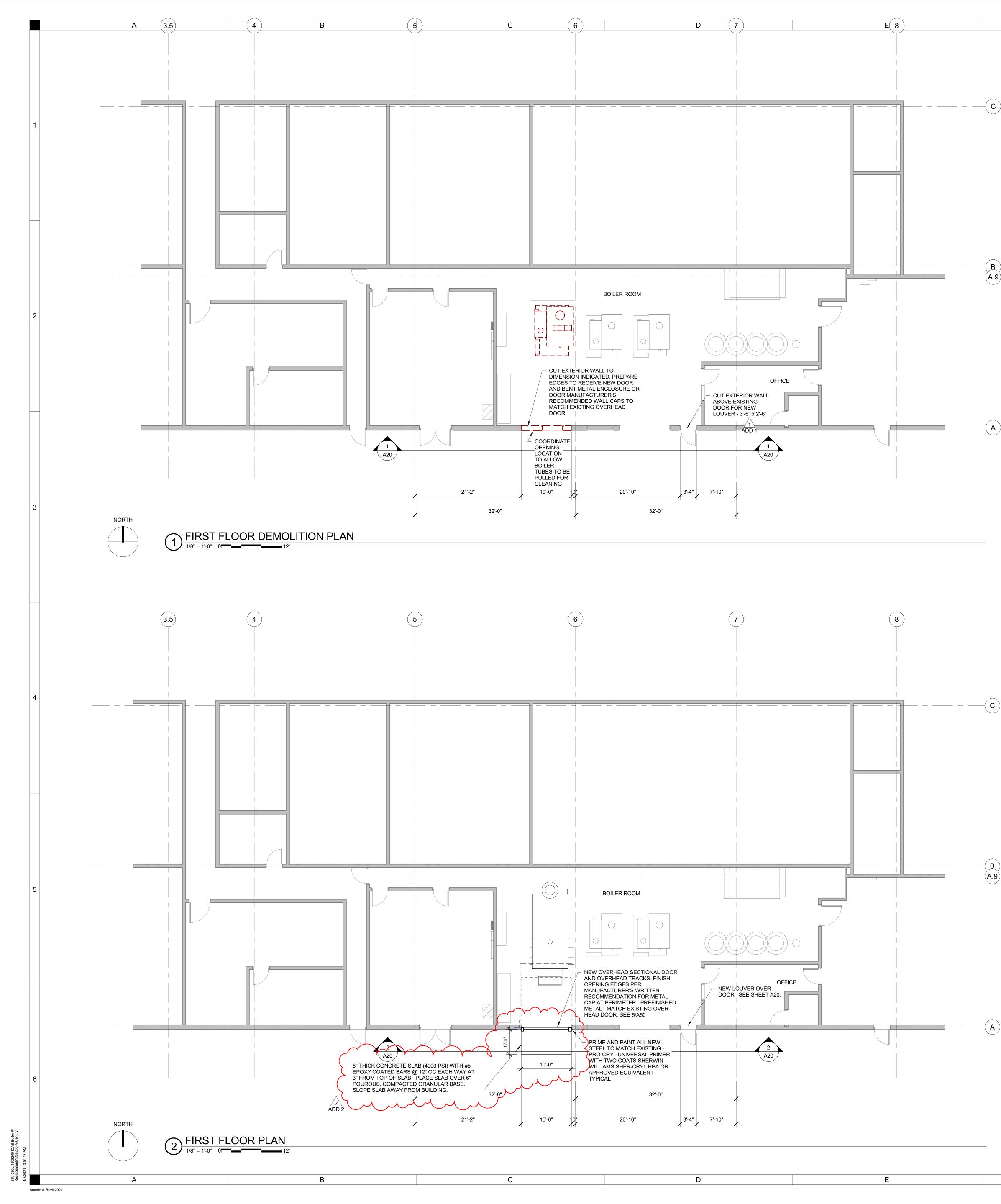
A. How have the burners been designed for using natural gas or fuel oil? Is it anticipated there will be tow burners permanently installed? A> It is anticipated that there will be one burner installed that can burn natural gas or fuel oil.

- B. Is there an existing blowdown tank? A> Yes, but it will be demolished, and a new tank installed with the new boiler.
- C. Will the facility take down and replace the outer fences as needed to deliver the new overhead door and other equipment? *A*> *Yes, but please limit the size of the opening needed as much as possible.*
- D. Are there tunnels underneath the ground between the outer fence and the building? A > No tunnels but several utilities run underground in that area.

### 5. ATTACHMENTS

- A. Sheet A10 FLOOR PLAN
- B. Sheet M51 MECHANICAL DETAILS

## END OF ADDENDUM



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# FLOOR PLAN NOTES

1. ALL DIMENSION SHALL BE FIELD VERIFIED PRIOR TO DEMOLITION AND RECONSTRUCTION. COORDINATE LOCATION OF PROPOSED COLUMNS, HEADERS, AND GIRTS WITH DOOR AND LOUVER MANUFACTURER INFORMATION FOR CLEAR OPENING DIMENSIONS.

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- 2. ALL PROPOSED STRUCTURAL STEEL CHANNELS, PLATES, AND ANGLES SHALL BE MINIMUM ASTM A36 STEEL. 3. CONCRETE SCREWS SHALL BE GALVANIZED OR STAINLESS
- STEEL. 4. CONCRETE SCREWS SHALL BE ANCHORED INTO SOUND CONCRETE. CONTACT ENGINEER IF SCREW, WHERE
- INDICATED TO BE INSTALLED PER DETAILS, IS LOCATED IN CRACKED OR DELAMINATED CONCRETE PRIOR TO ANY STEEL FABRICATION. 5. REFER TO DRAWINGS OF ALL TRADES FOR ADDITIONAL
- INFORMATION REGARDING ITEMS PENETRATING FLOORS, WALLS, AND CEILINGS.
- 6. ALL NEW PARTITIONS ARE DIMENSIONED TO FACE OF STUD. MASONRY, OR CONCRETE COMPONENT UNLESS NOTED OTHERWISE. DIMENSIONS TO EXISTING ELEMENTS ARE TO EXPOSED FACE.
- 7. CONTRACTOR TO TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO OWNER'S OCCUPIED AREAS ADJACENT TO NEW CONSTRUCTION. CONTRACTOR TO PROVIDE ALL LABOR AND MATERIALS TO REPAIR ALL DISTURBED ELEMENTS AT CONSTRUCTION ACCESS AND ACCESS ROUTES. ALL REPAIRS SHALL MATCH EXISTING CONSTRUCTION AND FINISHES.
- 8. COORDINATE LOCATION OF CEILING MOUNTED OVERHEAD DOOR ITEMS WITH EXISTING CONDITIONS.
- 9. CONTRACTOR SHALL COVER ANY OPENINGS WITH TEMPORARY CLOSURES WHEN NOT WORKING ON SITE TO PREVENT WEATHER, INSECTS, RODENTS AND INTRUDERS FROM ENTERING FACILITY.

SECTION 08 3613 - SECTIONAL DOORS

### PART 1 GENERAL 1.1 SECTION INCLUDES

- A. OVERHEAD SECTIONAL DOORS, MANUALLY OPERATED. 1.2 SUBMITTALS
- A. SHOP DRAWINGS: INDICATE OPENING DIMENSIONS AND REQUIRED TOLERANCES, CONNECTION DETAILS, ANCHORAGE SPACING, HARDWARE LOCATIONS, AND INSTALLATION DETAILS. B. MANUFACTURER'S CERTIFICATE: CERTIFY PRODUCT MEETS OR EXCEEDS SPECIFIED REQUIREMENTS.
- C. MANUFACTURER'S INSTALLATION INSTRUCTIONS: INCLUDE ANY SPECIAL PROCEDURES REQUIRED BY PROJECT CONDITIONS. D. WARRANTY: SUBMIT MANUFACTURER WARRANTY AND ENSURE FORMS HAVE BEEN COMPLETED IN OWNER'S NAME AND REGISTERED WITH MANUFACTURER.
- PART 2 PRODUCTS 2.1 MANUFACTURERS
- A. OVERHEAD DOOR CORPORATION B. CLOPAY DOOR CORPORATION
- C. C.H.I. OVERHEAD DOORS D. OR ARCHITECT APPROVED EQUIVALENT
- 2.2 STEEL DOOR COMPONENTS A. BASIS OF DESIGN: INSULATED STEEL SECTIONAL OVERHEAD DOORS: 591 SERIES THERMACORE INSULATED STEEL DOORS BY OVERHEAD DOOR CORPORATION. UNITS SHALL HAVE THE FOLLOWING CHARACTERISTICS: 1. DOOR ASSEMBLY: METAL/FOAM/METAL SANDWICH PANEL CONSTRUCTION, WITH PVC THERMAL BREAK AND FLUSH DESIGN. A. PANEL THICKNESS: 1-5/8 INCHES (41 MM).
  - B. EXTERIOR SURFACE: RIBBED, TEXTURED. C. EXTERIOR STEEL: .015 INCH (.38 MM), HOT-DIPPED GALVANIZED.
  - D. END STILES: 16 GAUGE. E. SPRINGS:
  - 1) 25,000 CYCLES. 2) SHAFT TYPE: SOLID
  - F. INSULATION: CFC-FREE AND HCFC-FREE POLYURETHANE, FULLY ENCAPSULATED.
  - G. THERMAL VALUES: R-VALUE OF 14.86; U-VALUE OF 0.067. H. AIR INFILTRATION: 0.08 CFM AT 15 MPH; 0.08 CFM AT 25 MPH.
  - 1) PANEL THICKNESS: 1-3/4 INCHES (44 MM). 2) EXTERIOR SURFACE: FLUSH, TEXTURED.
  - 3) THERMAL VALUES: R-VALUE OF 14.8; 2. FINISH AND COLOR: TWO COAT BAKED-ON POLYESTER:
  - A. INTERIOR COLOR, WHITE. B. EXTERIOR COLOR, TO BE DETERMINED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF STANDARD COLORS. 3. HARDWARE: GALVANIZED STEEL HINGES AND FIXTURES. BALL BEARING ROLLERS WITH HARDENED STEEL RACES.
  - 4. WEATHERSTRIPPING: A. EPDM BULB-TYPE STRIP AT BOTTOM SECTION.
  - B. FLEXIBLE JAMB SEALS.
- C. FLEXIBLE HEADER SEAL. 5. TRACK: PROVIDE HIGH HEADROOM TRACK AS RECOMMENDED BY MANUFACTURER TO SUIT LOADING REQUIRED AND CLEARANCES AVAILABLE. VERIFY MECHANICAL SYSTEM LOCATIONS WHEN RECOMMENDING.
- 2.3 MATERIALS A. SHEET STEEL: HOT-DIPPED GALVANIZED STEEL SHEET, ASTM A 653/A 653M, WITH G60/Z180 COATING, PLAIN SURFACE. B. INSULATION: FIBROUS GLASS BATT, UNFACED, BONDED TO FACING.

## PART 3 EXECUTION

- 3.1 EXAMINATION A. VERIFY THAT WALL OPENINGS ARE READY TO RECEIVE WORK AND OPENING DIMENSIONS AND TOLERANCES ARE WITHIN SPECIFIED LIMITS. 3.2 PREPARATION
- A. PREPARE OPENING TO PERMIT CORRECT INSTALLATION OF DOOR UNIT TO PERIMETER AIR AND VAPOR BARRIER SEAL. 3.3 INSTALLATION
- A. INSTALL DOOR UNIT ASSEMBLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. B. ANCHOR ASSEMBLY TO WALL CONSTRUCTION AND BUILDING FRAMING WITHOUT DISTORTION OR STRESS.
- C. SECURELY BRACE DOOR TRACKS SUSPENDED FROM STRUCTURE. SECURE TRACKS TO STRUCTURAL MEMBERS ONLY. D. FIT AND ALIGN DOOR ASSEMBLY INCLUDING HARDWARE. E. COORDINATE INSTALLATION OF SEALANTS AND BACKING MATERIALS AT FRAME PERIMETER AS SPECIFIED IN SECTION 07 9005.

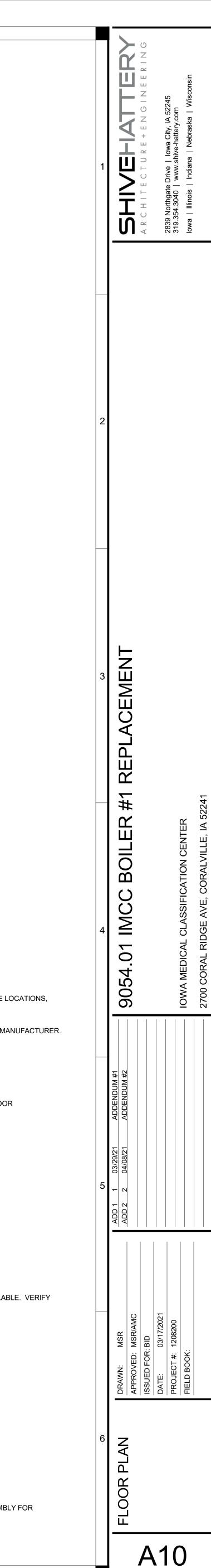
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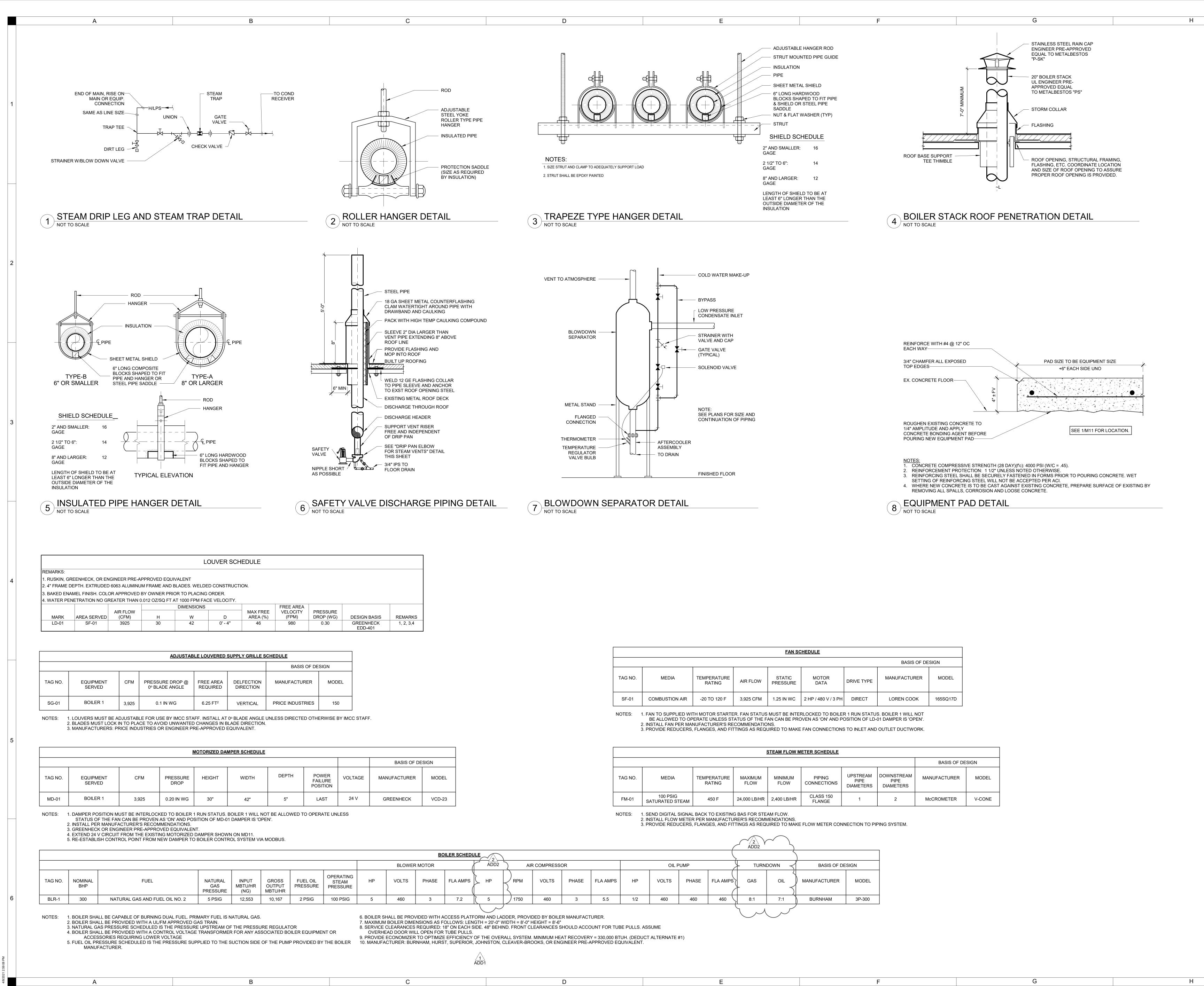
F. INSTALL PERIMETER TRIM. 3.4 TOLERANCES

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- A. MAXIMUM VARIATION FROM PLUMB: 1/16 INCH. B. MAXIMUM VARIATION FROM LEVEL: 1/16 INCH.
- C. LONGITUDINAL OR DIAGONAL WARP: PLUS OR MINUS 1/8 INCH FROM 10 FT STRAIGHT EDGE. D. MAINTAIN DIMENSIONAL TOLERANCES AND ALIGNMENT WITH ADJACENT WORK.
- 3.5 ADJUSTING
- A. ADJUST DOOR ASSEMBLY FOR SMOOTH OPERATION AND FULL CONTACT WITH WEATHERSTRIPPING. B. HAVE MANUFACTURER'S FIELD REPRESENTATIVE PRESENT TO CONFIRM PROPER OPERATION AND IDENTIFY ADJUSTMENTS TO DOOR ASSEMBLY FOR SPECIFIED OPERATION.

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TAG NO.	MEDIA	TEMPERATURE RATING	AIR FLOW	STATIC PRESSURE	MOTOR DATA	DRIVE TYPE	MANUFACTURER	MODEL		
SF-01	COMBUSTION AIR	-20 TO 120 F	3,925 CFM	1.25 IN WC	2 HP / 480 V / 3 PH	DIRECT	LOREN COOK	165SQ17I		

STEAM FLOW METER SCHEDULE													
	BASIS OF DESIGN												
TAG NO.	MEDIA	TEMPERATURE RATING	MAXIMUM FLOW	MINIMUM FLOW	PIPING CONNECTIONS	UPSTREAM PIPE DIAMETERS	DOWNSTREAM PIPE DIAMETERS	MANUFACTURER	MODEL				
FM-01	100 PSIG SATURATED STEAM	450 F	24,000 LB/HR	2,400 LB/HR	CLASS 150 FLANGE	1	2	McCROMETER	V-CONE				

	ADD2																
	BOILER SCHEDULE																
BLOWER MOTOR			ADD2	$\sum$				OIL PUMP						BASIS OF DESIGN			
IP	VOLTS	PHASE	FLA AMPS	НР	$\mathbf{x}$	) RPM	VOLTS	PHASE	FLA AMPS	HP	VOLTS	PHASE	FLA AMPS	GAS	OIL	MANUFACTURER	MODEL
5	460	3	7.2	5		) 1750	460	3	5.5	1/2	460	460	460	8:1	7:1	BURNHAM	3P-300

