

ADDENDUM NO. 1

PROJECT NAME: East Campus Utility Plant Boilers 1 & 2 Demolition
UNL PROJECT NUMBER: 10391
BID INVITATION NUMBER: 2384-14-7214

CONSULTANT: Lutz, Daily & Brain, LLC
ADDRESS: 6400 Glenwood, Suite 200 Overland Park, KS 66202

DATE OF ISSUANCE: June 3 2014
DATE & TIME OF BID OPENING: June 10, 2014, 3:00 pm CDT

The bid documents dated May 19, 2014 for the above referenced project are amended by this addendum.

NOTICE: This Addendum is issued to all interested prospective bidders as an amendment to the project manual or other parts of the bidding (contract) documents for the above named project. Reference to this Addendum must be included in the Bid proposal. The information contained herein shall be fully incorporated into the contract documents as though originally included therein.

MODIFICATIONS

1. SECTION 00 41 13 BID PROPOSAL FORM

Page 2 of 4:

Revise the milestone activity dates for Tasks No. 3 and 4 from June 2 and 4, 2014 to July 14 and 16, 2014 respectively.

Revise the milestone activity date for Task No. 9 from July 15, 2014 to October 15, 2014.

2. SECTION 00 41 13 BID PROPOSAL FORM

Page 1 of 2 (Fill in data sheets):

Change the Notice to Proceed date from May 19, 2014 to July 9, 2014.

3. SECTION 00 52 13 AGREEMENT FORM

Page 4 of 16:

In response to a question from one of the prospective bidders at the 5/27/14 Pre Bid Meeting concerning liquidated damages, please refer to Paragraph 5.4 entitled Liquidated Damages.

4. SECTION 01 50 00 TEMPORARY FACILITIES AND CONTROLS

Page 1 of 4, Paragraph 1.2 A:

Temporary supply of water and electricity for small tools, in reasonable quantities, will be provided by Owner to the Contractor at no cost.

5. SECTION 49 30 00 ASBESTOS & LEAD PAINT ABATEMENT

Page 8 of 14, Paragraph 1.4.12:

After 1st paragraph, add the following paragraph:

The Owner's independent Industrial Hygienist (IH) may periodically perform area air monitoring at the sole discretion of the Owner. At a minimum the Owner will provide final clearance air sampling for asbestos upon completion of contained work area(s). Owner has not retained the independent IH for full time project management, project design, air monitoring, or oversight of project.

Page 3 of 14, Paragraph 1.04

The approximate quantities of asbestos indicated are those identified from previous exterior inspection only. The original boiler specification and drawings (see Reference Documents below) indicate the presence and location of some but not all originally installed asbestos, much of which remains in deteriorated condition. It is the intent of the project to treat all components of the boiler and boiler structure, including but not limited to brick, as asbestos containing or asbestos contaminated.

Page 12 of 14, Paragraph 1.05 Lead Based Paint

Silver painted structural components are confirmed to contain lead based paint. All painted components encountered during abatement and demolition should be assumed to contain lead based paint. While lead abatement is not required, all handling and disposal of lead paint and lead painted components shall be in accordance with applicable OSHA Lead in Construction rules, and EPA/State of Nebraska rules for disposal and/or recycling.

6. DRAWINGS

Demolition of columns in the basement is being deleted from the scope of this contract. Lateral cross bracing has been added to the columns supporting the platform to remain behind Boiler 1.

ADDENDUM NO. 1

Project Name: East Campus Utility Plant Boilers 1 & Demolition

Project Number: 10391

Bid Invitation Number: 2384-14-7214

Installation of the pipe hanger (noted on sheet MD4.01) will be performed by the owner prior to the start of this work and will be deleted from the scope of this contract.

Attached Drawing MD4.01 has been revised to reflect these changes and made a part of this Addendum.

7. REFERENCE DOCUMENTS

Original boiler purchase specifications (4 pages) (including drum thickness and dimensions) and five prints of original boiler drawings that show in more detail the construction of Boilers 1 & 2 are attached as reference documents.

8. MANDATORY PRE-BID SIGN IN SHEET

Bidders were required to attend the pre-bid meeting. The sign in sheet for the mandatory pre-bid meeting, showing the eligible bidders, is attached.

END OF ADDENDUM NO. #1

w/ revised Drawing MD4.01 and above listed reference documents in Item 7 of this Addendum (14 pages).

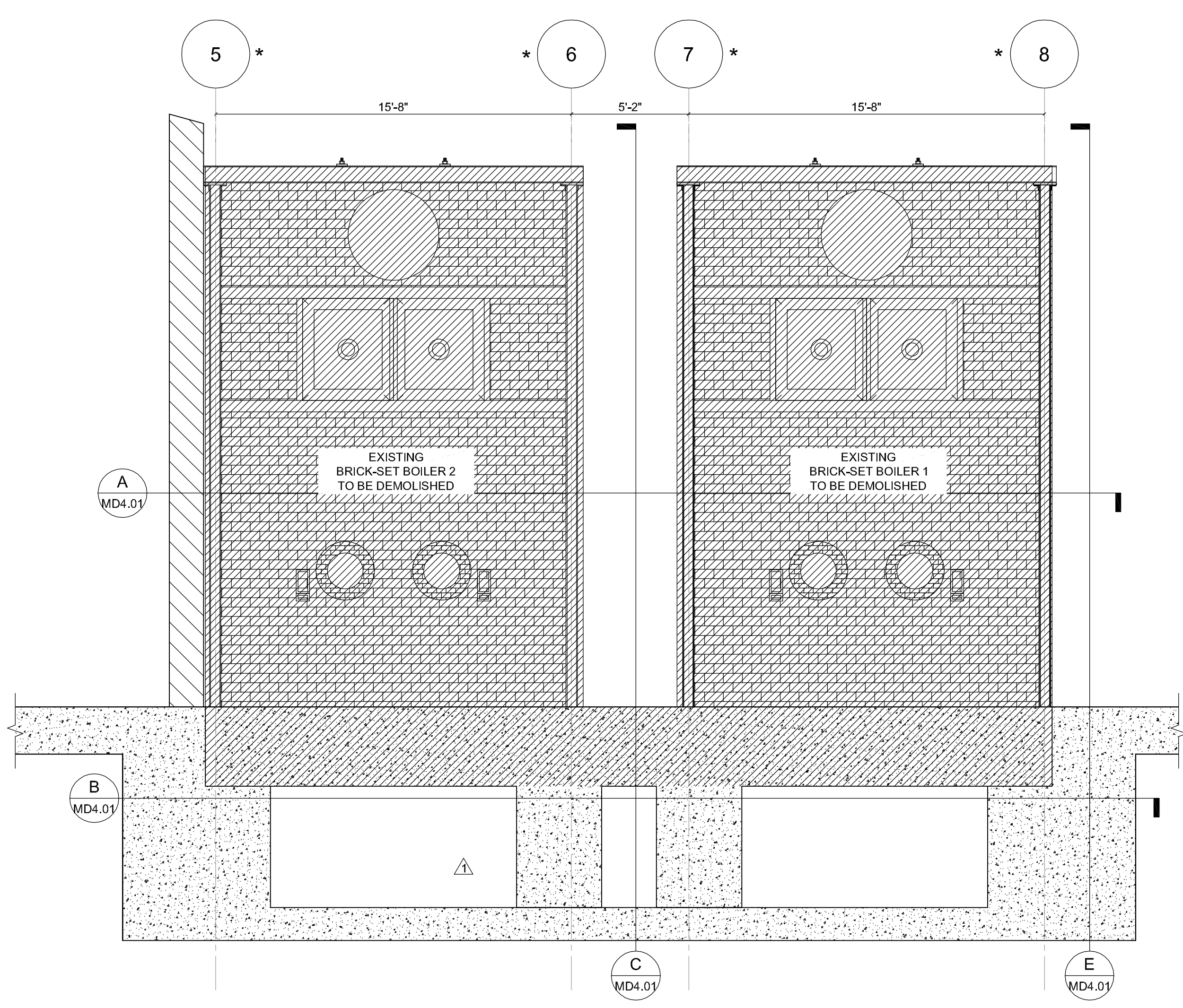
Consultant:



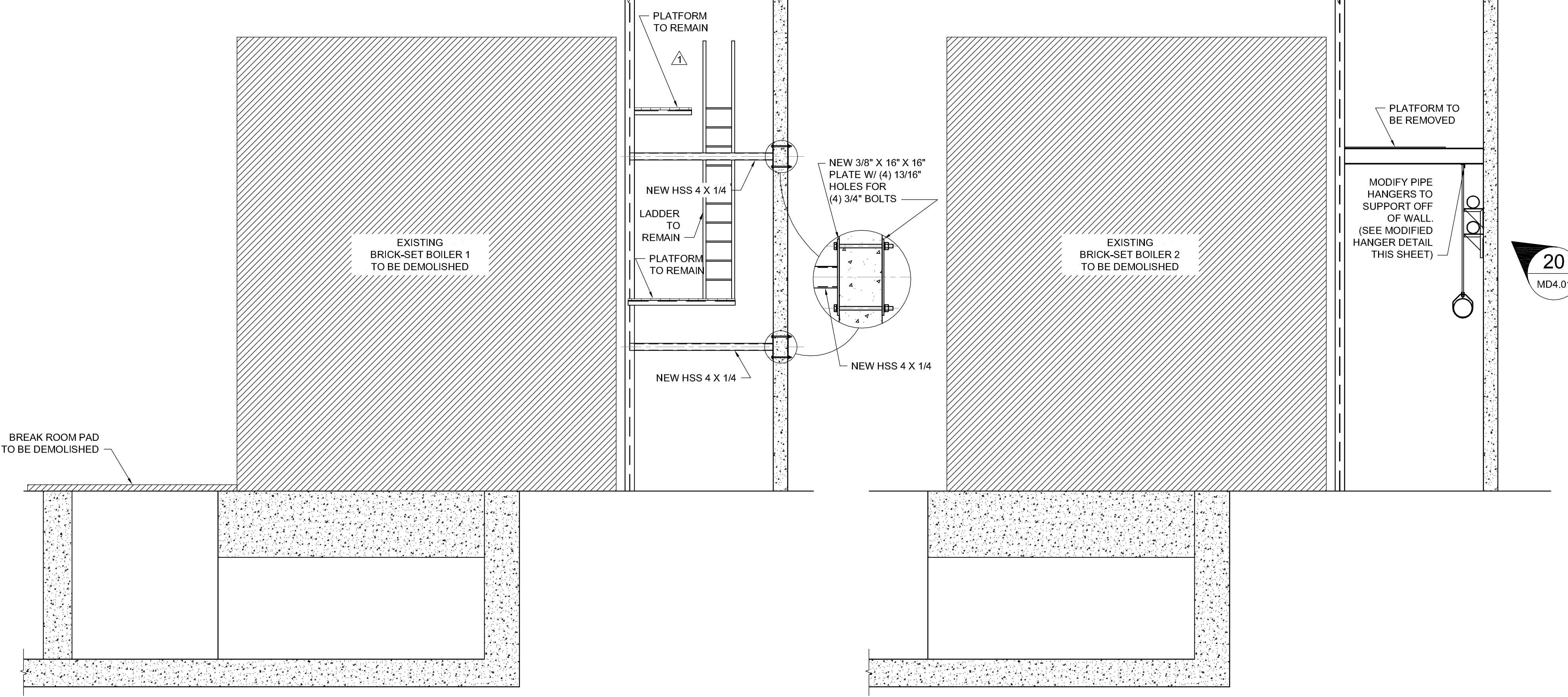
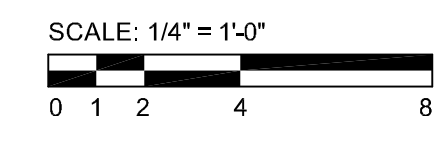
LUTZ, DAILY & BRAIN LLC

6400 GLENWOOD
OVERLAND PARK, KS 66202
PH: 913-831-0833
FAX: 913-831-1569
30114 power@ldbeng.com
www.ldbeng.com

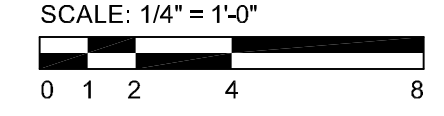
Sub-Consultant(s):



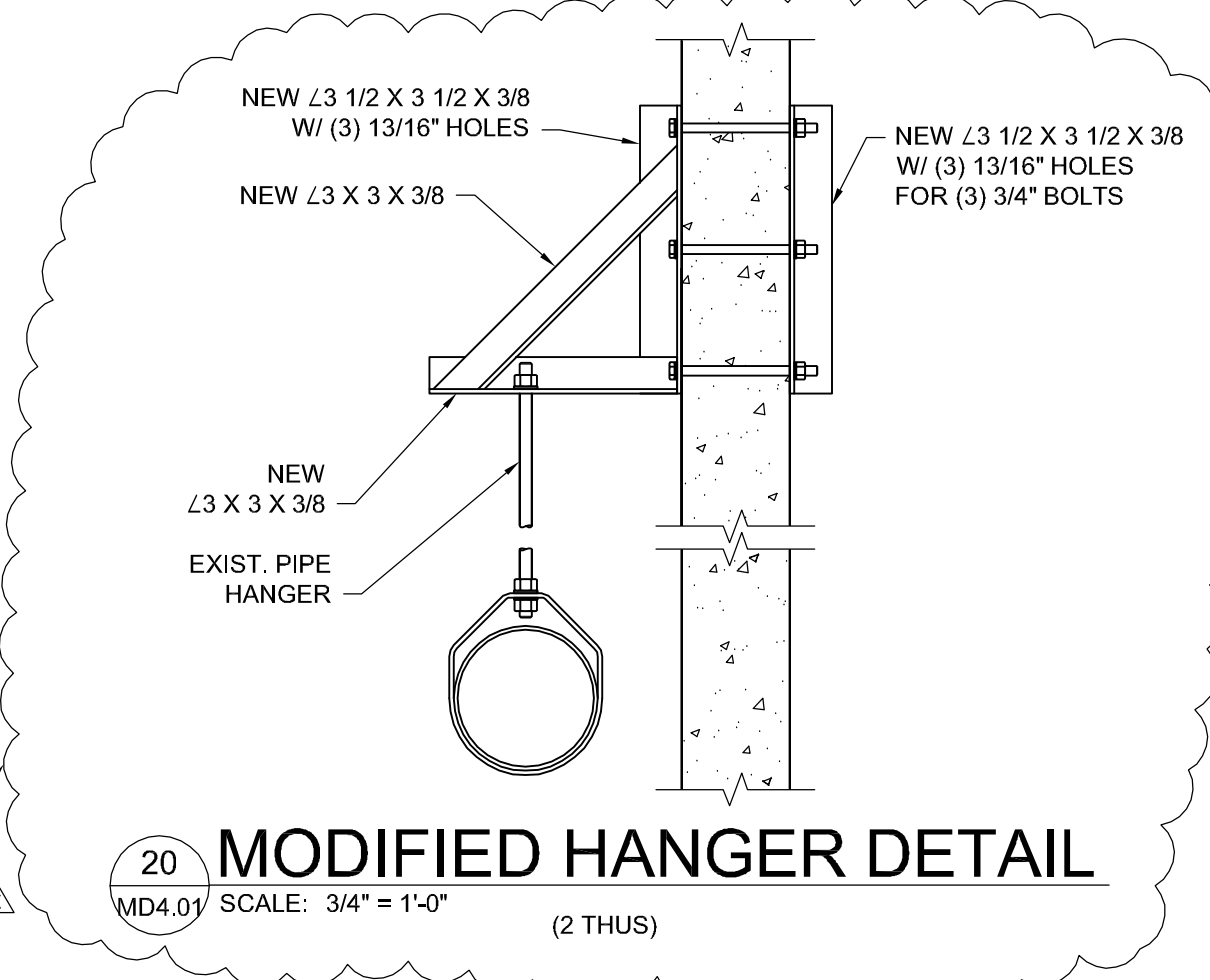
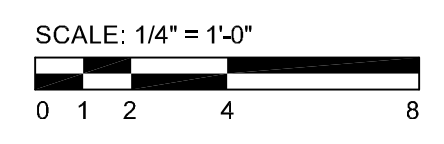
D EXISTING BOILER-DEMOLITION SECTION
MD4.01 SCALE: 1/4" = 1'-0"
(EAST ELEVATION LOOKING WEST)



C EXISTING BOILER-DEMOLITION SECTION
MD4.01 SCALE: 1/4" = 1'-0"



E EXISTING BOILER-DEMOLITION SECTION
MD4.01 SCALE: 1/4" = 1'-0"



20 MODIFIED HANGER DETAIL
MD4.01 SCALE: 3/4" = 1'-0"
(2 THUS)

GENERAL NOTES:

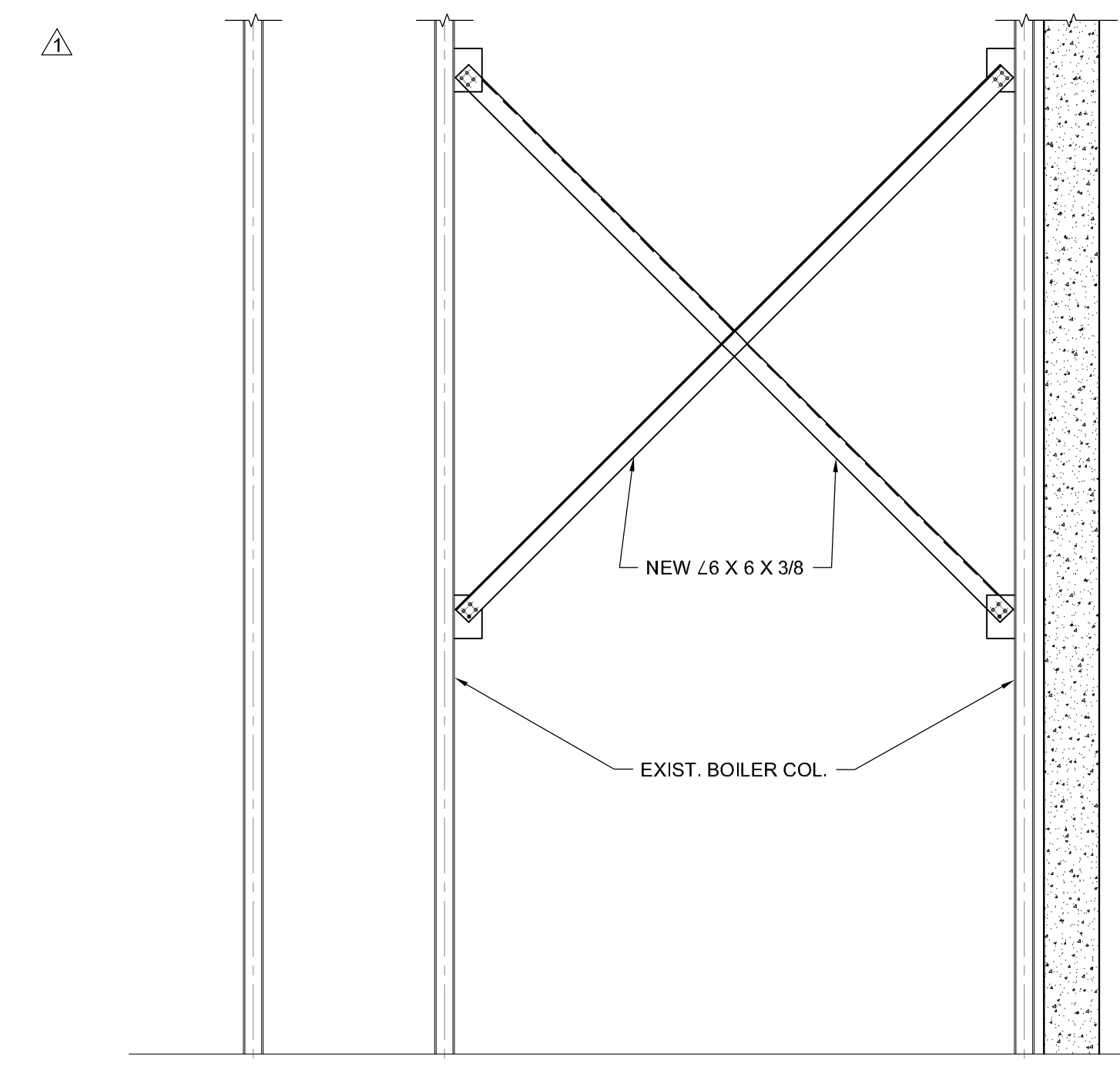
- 1) PRIOR TO THE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL OBTAIN FROM THE OWNER WHICH EXISTING ITEMS OF EQUIPMENT, CONDUIT AND PIPING ARE TO BE PROTECTED, AND THOSE THAT MAY BE REMOVED IF THEY INTERFERE WITH DEMOLITION WORK.
 - 2) ALL BRICK, IRON AND OTHER COMPONENTS (UNLESS OTHERWISE NOTED) OF THE EXISTING BOILERS 1 & 2 ARE TO BE REMOVED.
 - 3) CONTRACTOR SHALL FIELD VERIFY DIMENSIONS (LENGTH, HEIGHT, WIDTH), THAT ARE SHOWN ON THESE DRAWINGS AS REQUIRED TO PERFORM THEIR WORK.
 - 4) CONTRACTOR SHALL PROTECT EXISTING STRUCTURES AND EQUIPMENT AS SPECIFIED. IN THE EVENT THIS CONTRACTOR DAMAGES EXISTING STRUCTURES AND/OR EQUIPMENT THAT ARE TO REMAIN, THE DAMAGED EXISTING STRUCTURES AND/OR EQUIPMENT SHALL BE EITHER REPAIRED OR REPLACED AT THE SOLE DISCRETION OF THE OWNER BY THIS CONTRACTOR.
- * COLUMN DESIGNATIONS HAVE BEEN PROVIDED FOR THIS CONTRACT ONLY AND DO NOT REFLECT ANY 'UNL' CONTRACTING STANDARDS.

KEY NOTES:

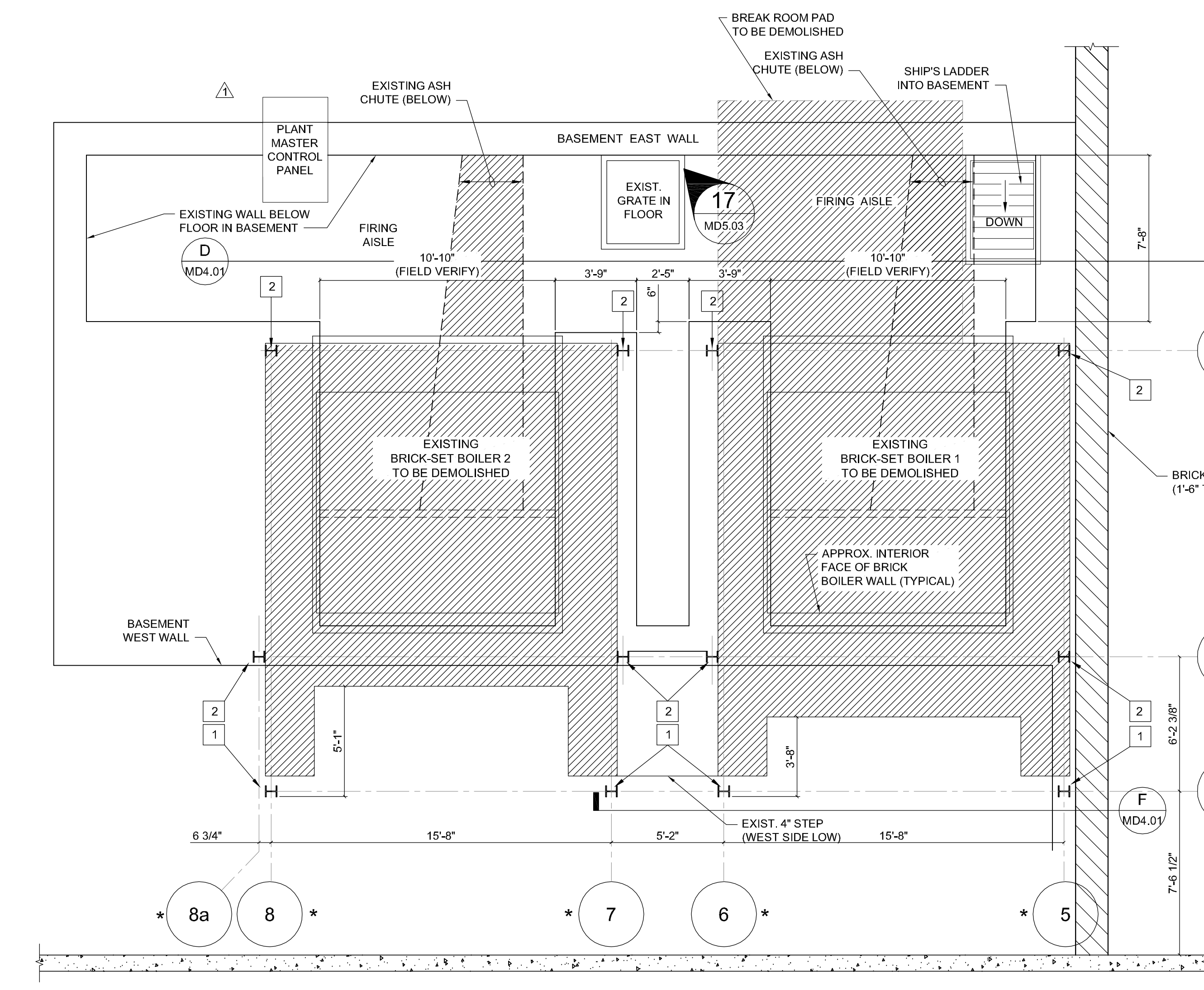
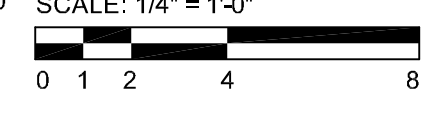
- 1 EXISTING COLUMNS TO REMAIN.
- 2 EXISTING BOILER COLUMNS TO BE REMOVED DURING DEMOLITION PHASE.

SYMBOL LEGEND :

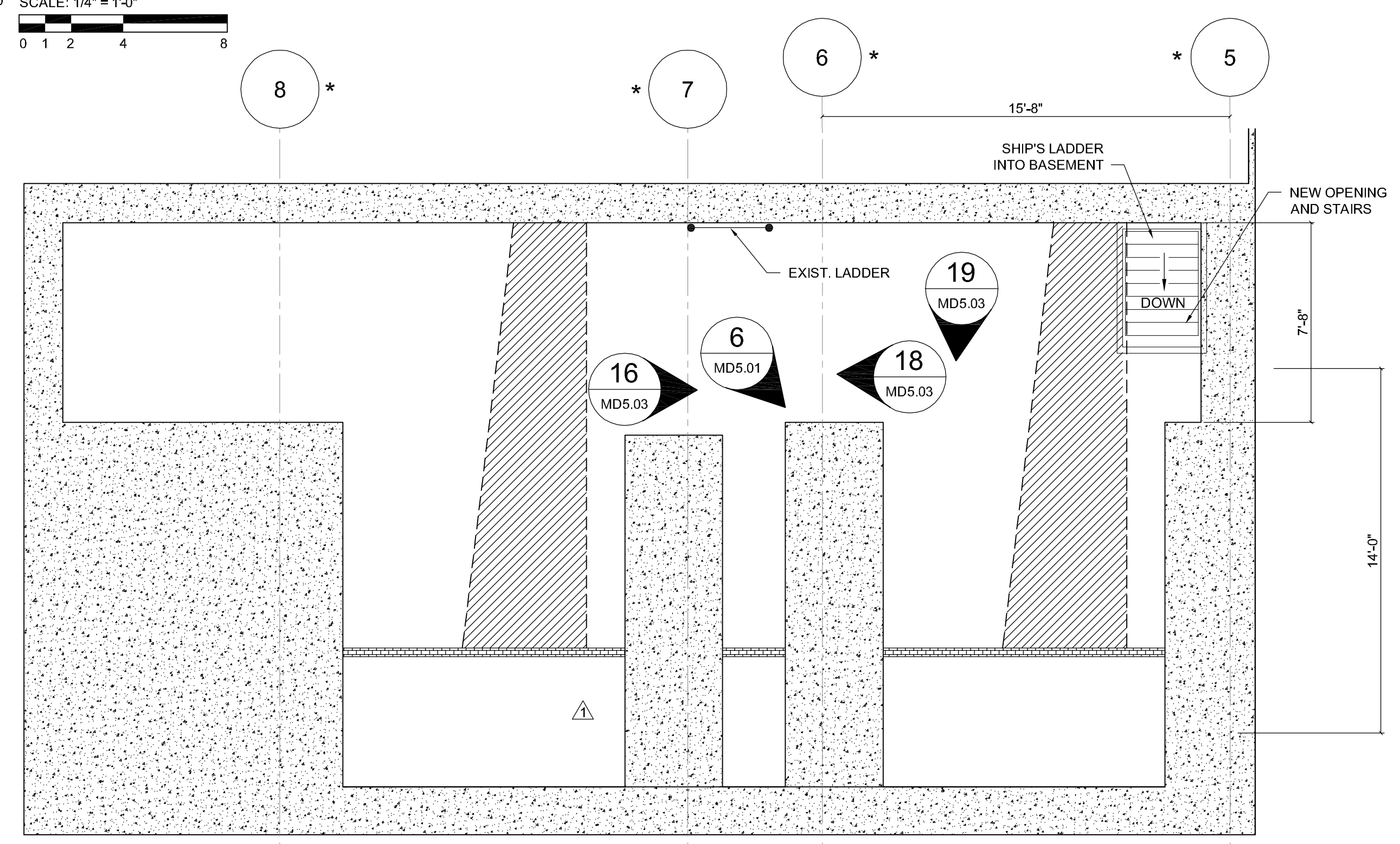
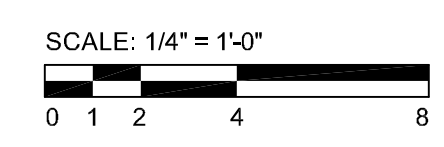
	EXISTING CONCRETE - IN SECTION VIEW
	EXISTING CONCRETE - IN SECTION VIEW (TO BE REMOVED)
	EXISTING MASONRY - IN SECTION VIEW (TO BE REMOVED)
	EXISTING MASONRY - IN ELEVATION VIEW (TO BE REMOVED)
	EXISTING MASONRY - IN SECTION VIEW



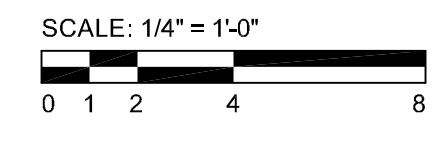
F EXISTING BOILER-DEMOLITION SECTION
MD4.01 SCALE: 1/4" = 1'-0"



A EXISTING BOILER-DEMOLITION SECTIONAL PLAN
MD4.01 SCALE: 1/4" = 1'-0"



B BASEMENT SECTIONAL PLAN
MD4.01 SCALE: 1/4" = 1'-0"



ISSUED FOR BID
05-06-2014

Seat:

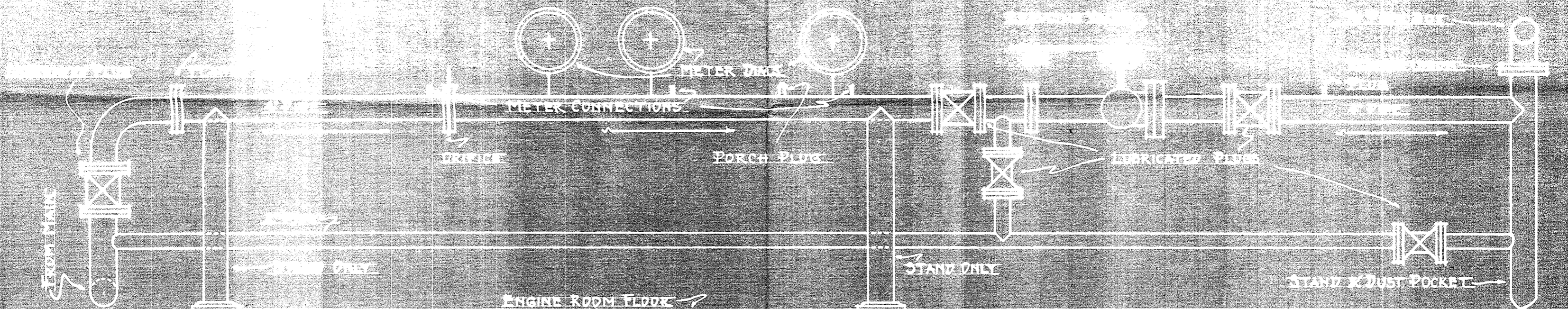
Project Revisions:

06/03/2014	WORK BY OTHERS
06/02/2014	REVISED PER ADDENDUM NO. 1
05/06/2014	ISSUED FOR BID

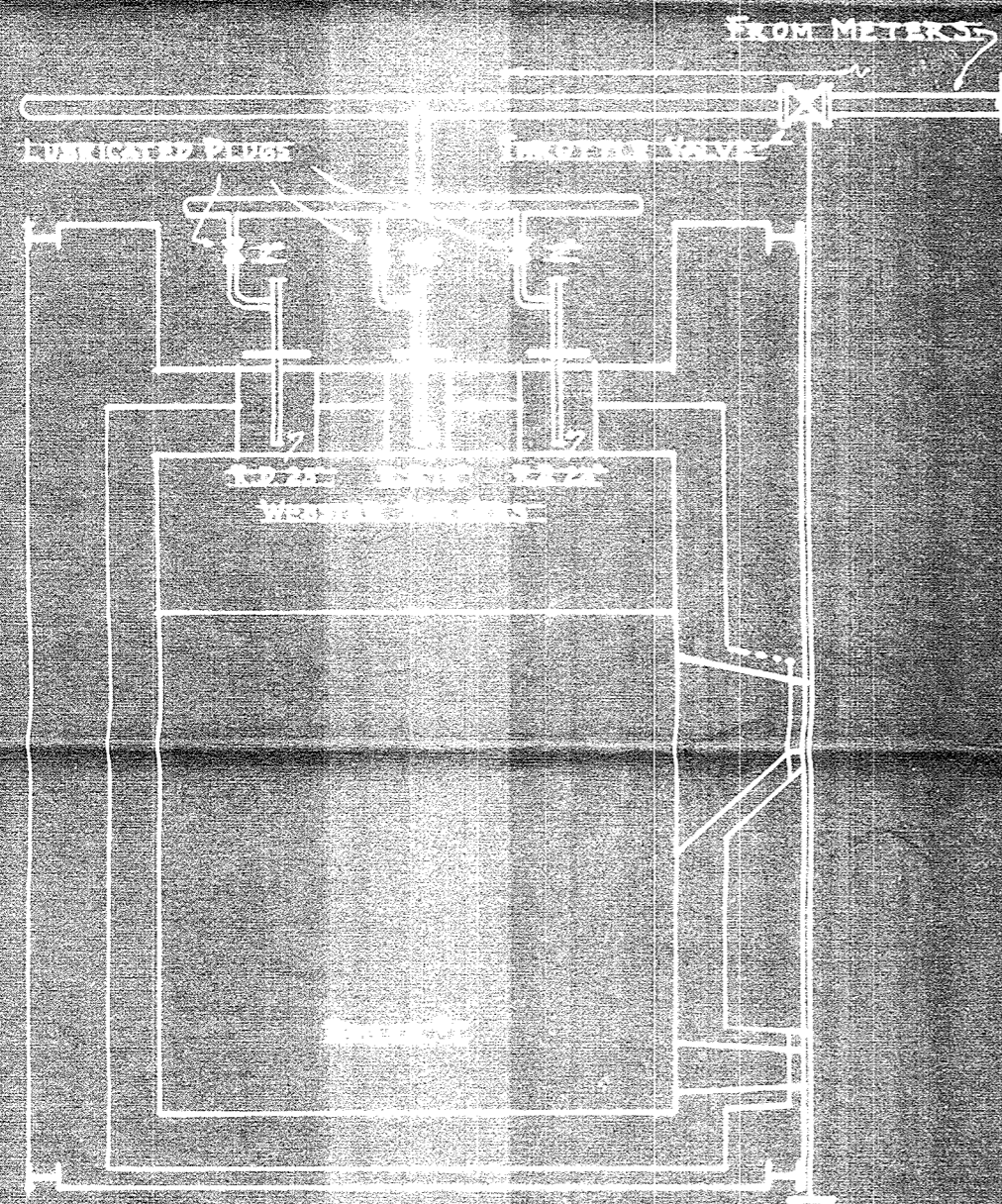
Issue: WORK BY OTHERS
Date: 06/03/2014
Dwg File: 10391-md4.01-rev2.dwg
Drawn By: MGL
Checked By: TLS

Sheet Title:
BOILER DEMOLITION DETAILS

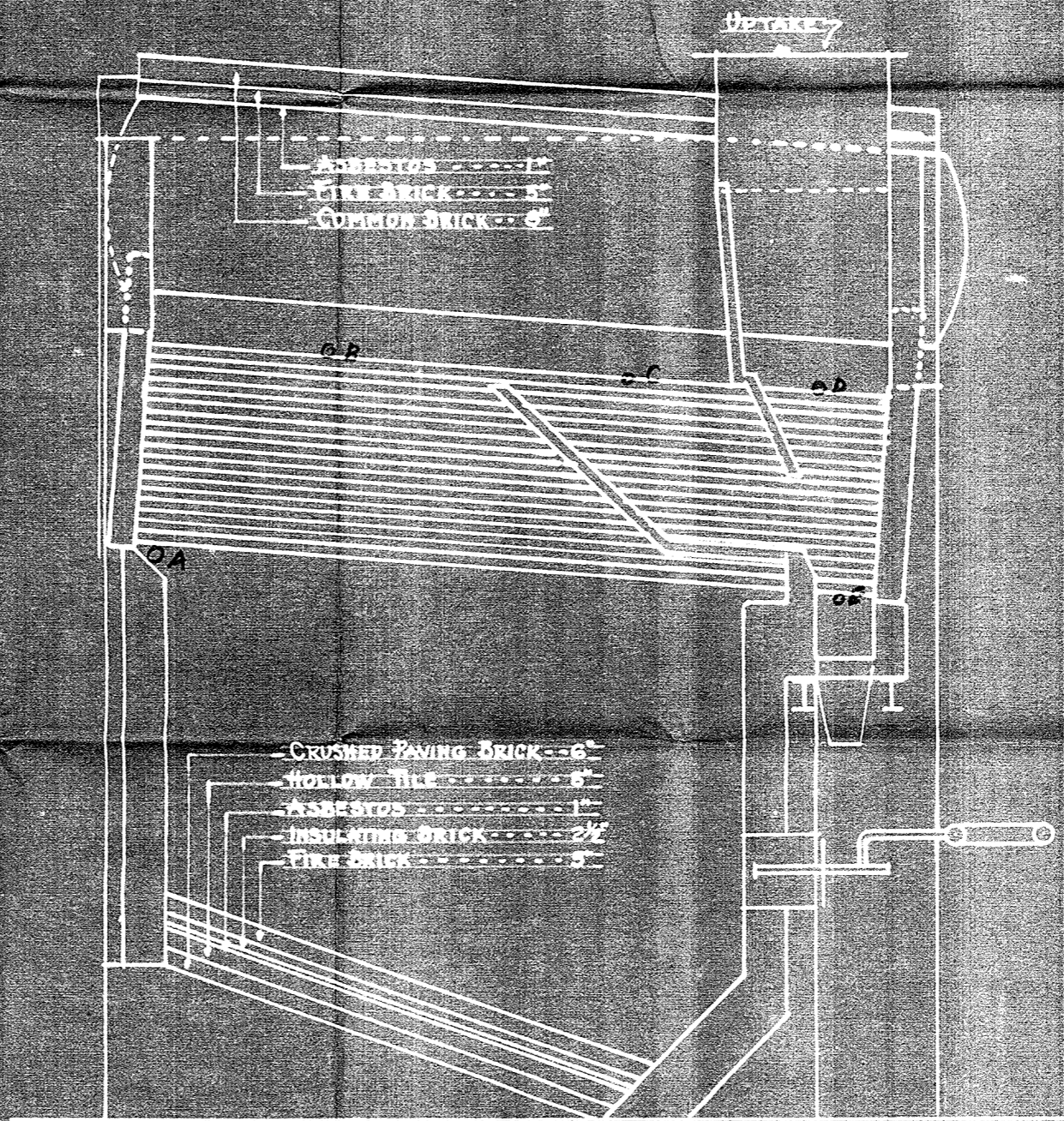
Sheet Number:
MD4.01



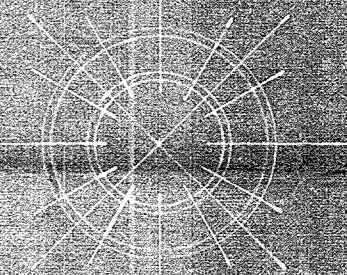
GAS METERING EQUIPMENT SCALE 1/4" = 1'-0"



BOILER SETTINGS & CONNECTIONS SCALE 1/4" = 1'-0"

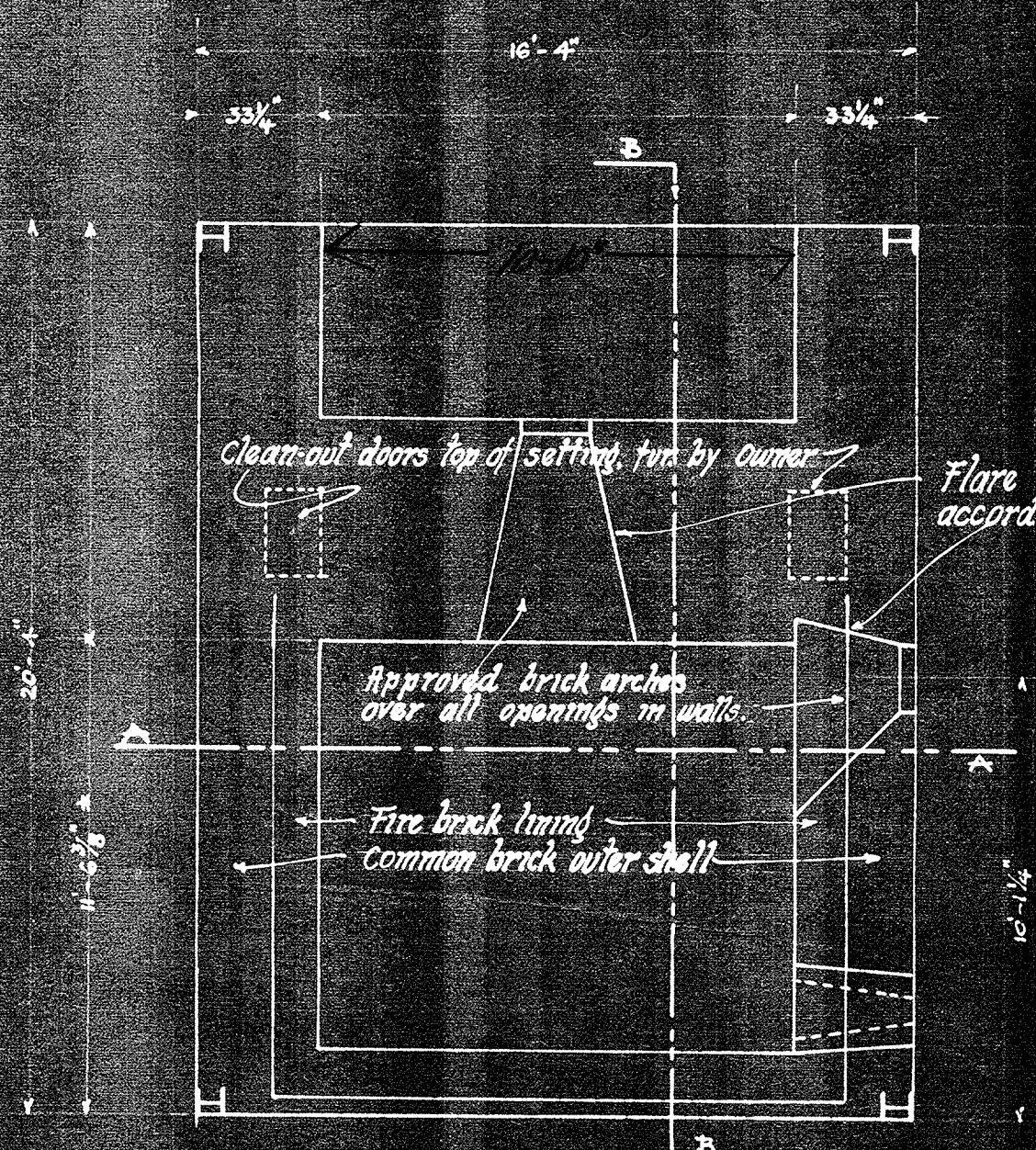


LONGITUDINAL SECTION N62



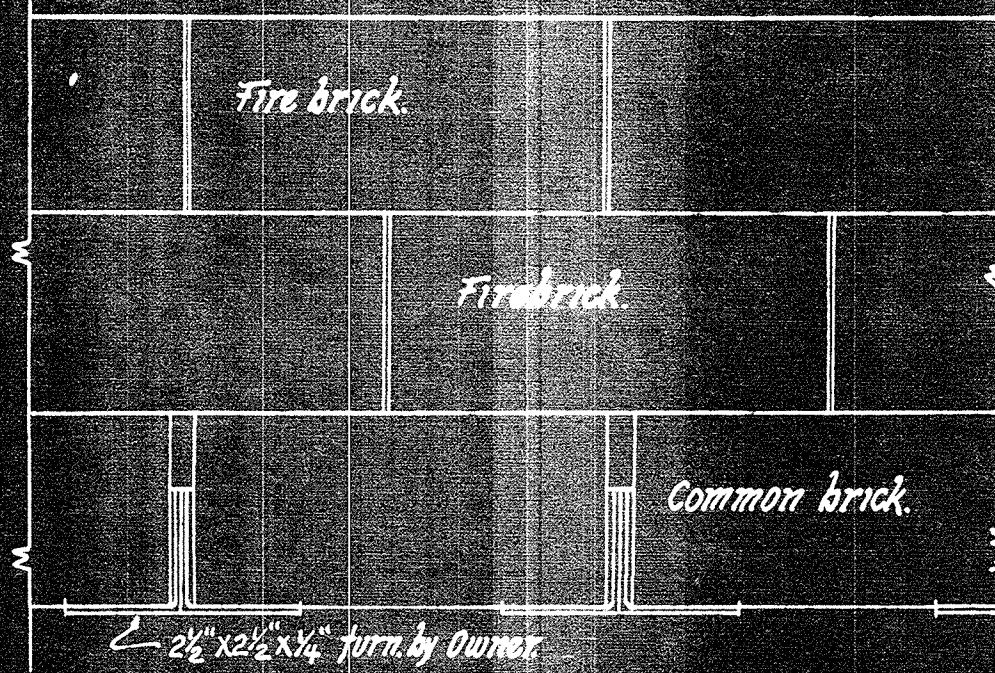
East Campus

METER LAYOUT & NOZZLE CONNECTIONS TO 500 H.P. BOILER #1 BY
 HENRY PLUMMER, COLLEGE OF AGRICULTURE,
 NEBRASKA UNIVERSITY OF NEBRASKA
 IN COLLABORATION WITH J. SCHMALL
 DRAWN 8-8-44 BY O.A. ELLIS

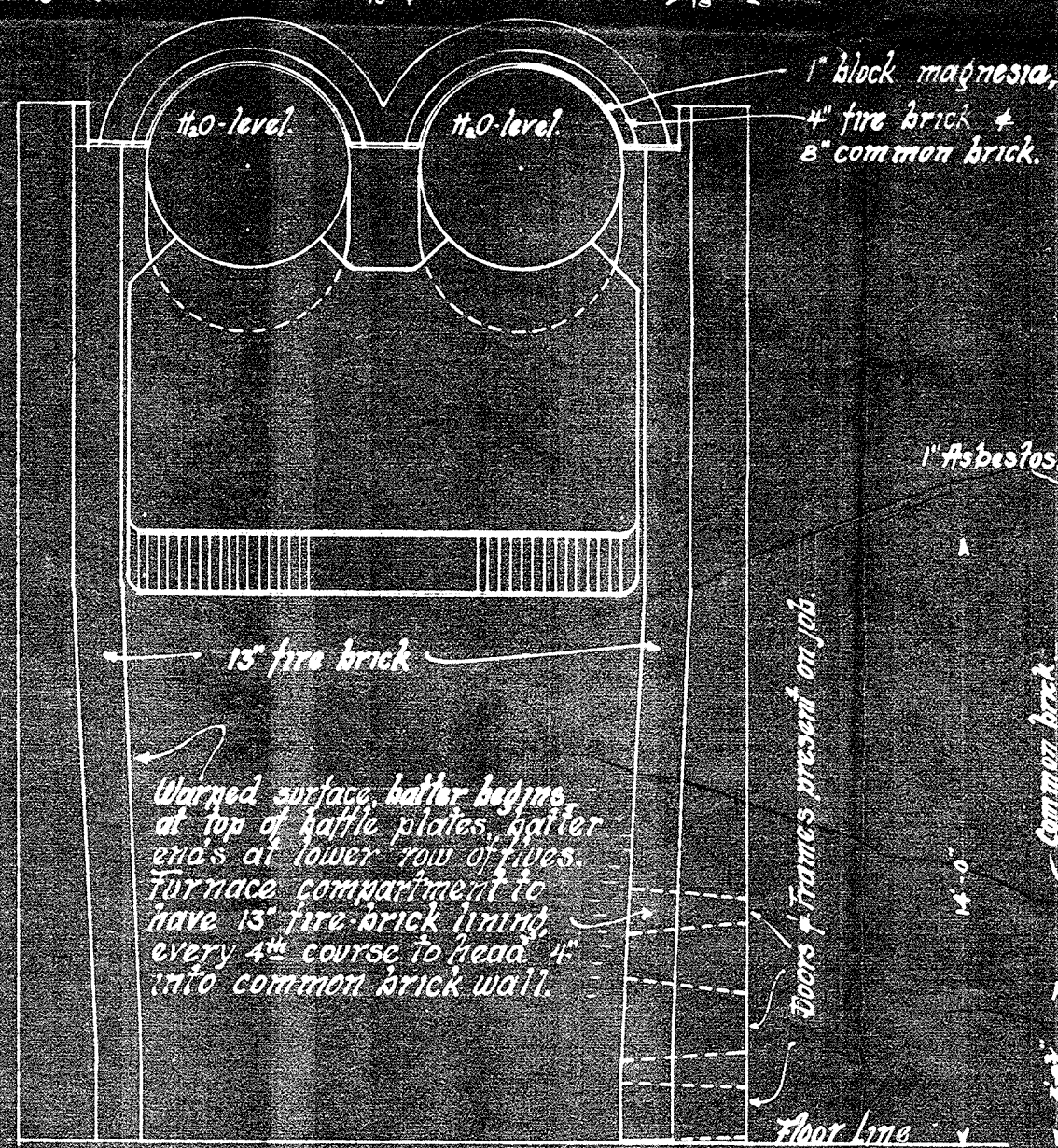


PLAN AT FLOOR ELEVATION
SCALE: $\frac{1}{4}'' = 1'$
16'-4"

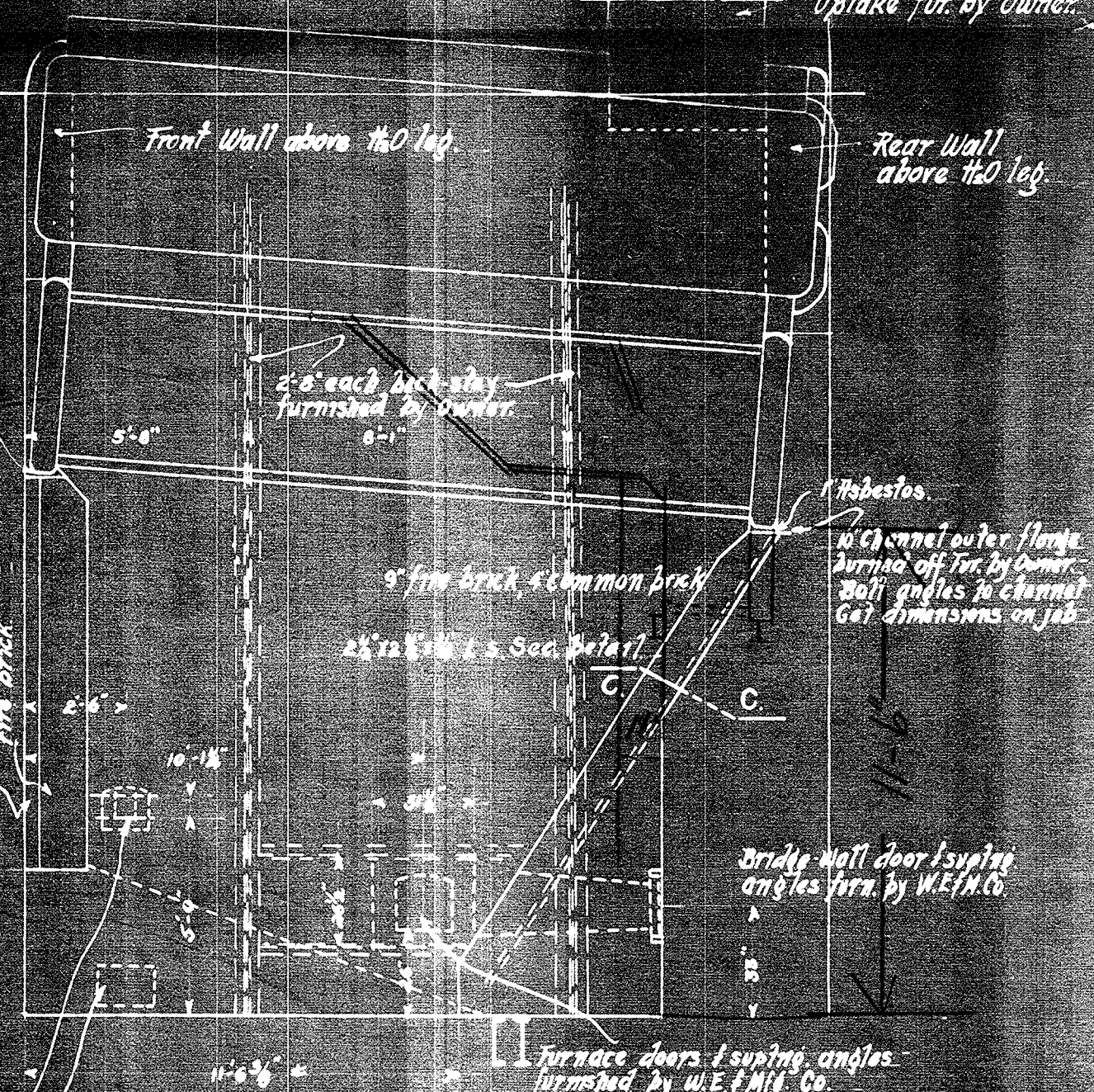
BRICK SETTING PLAN FOR 500
HP HEINE BOILER, UNIT NO. 1
COLLEGE OF AGRICULTURE HEAT
PLANT, UNIVERSITY OF NEBRASKA
LINCOLN, NEBRASKA. IN COLLABORA-
TION WITH J. SCHMALL, O.A. ELLIS, ENG.



SECTION - C C
SCALE: $3/4'' = 1'$

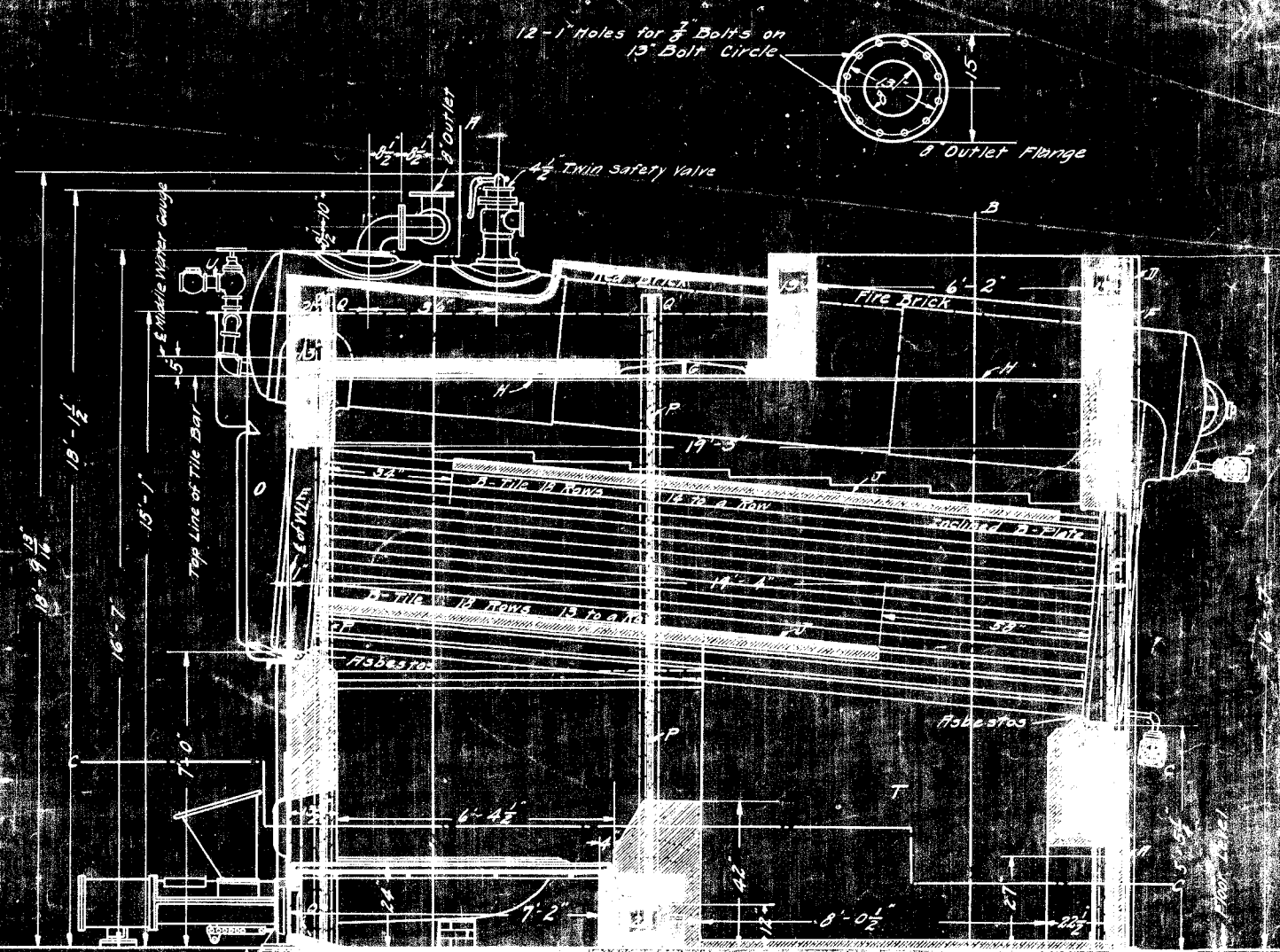
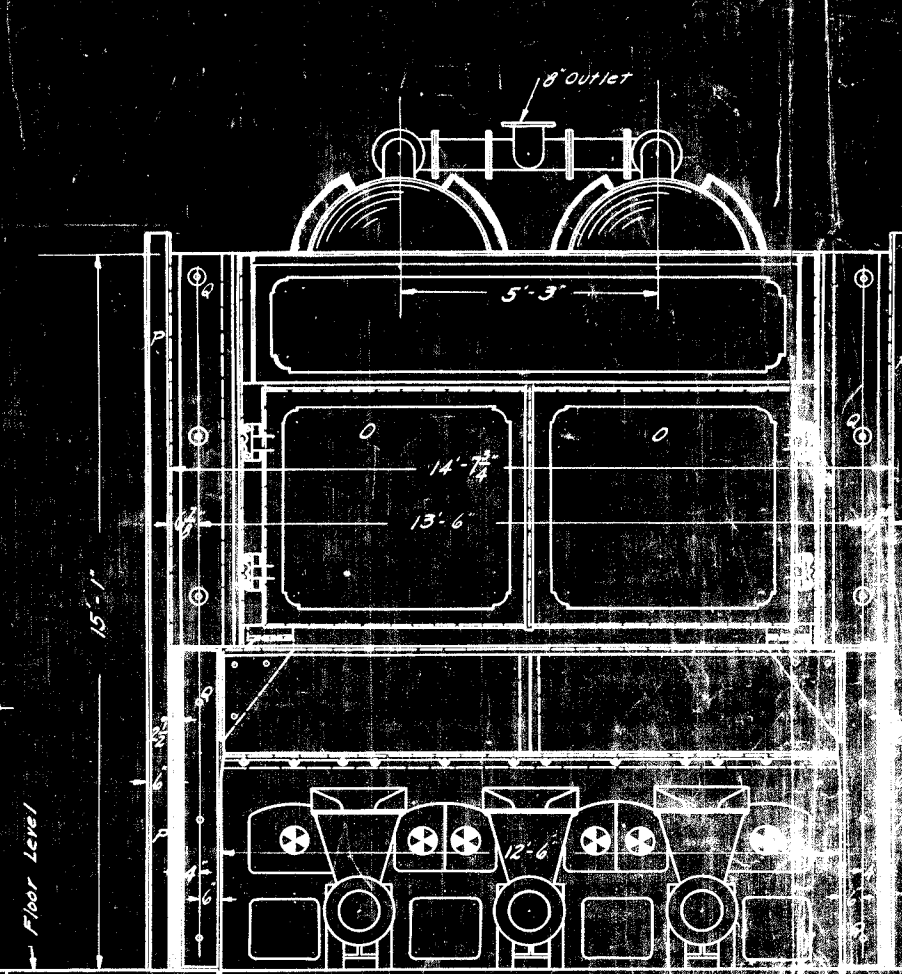
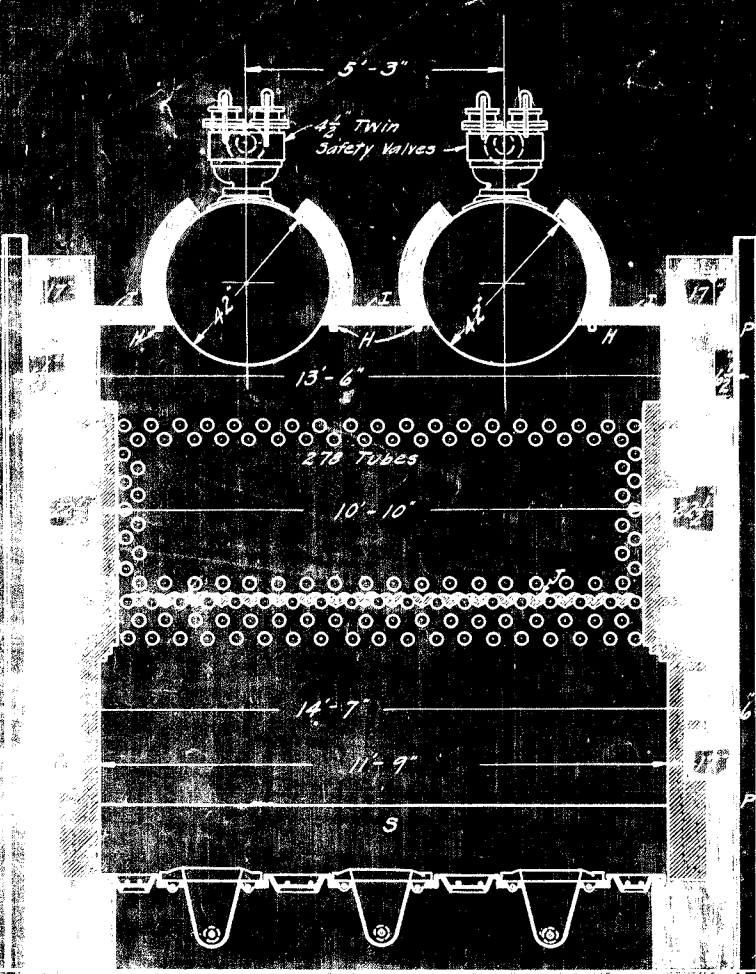


SECTION A A



SECTION B B

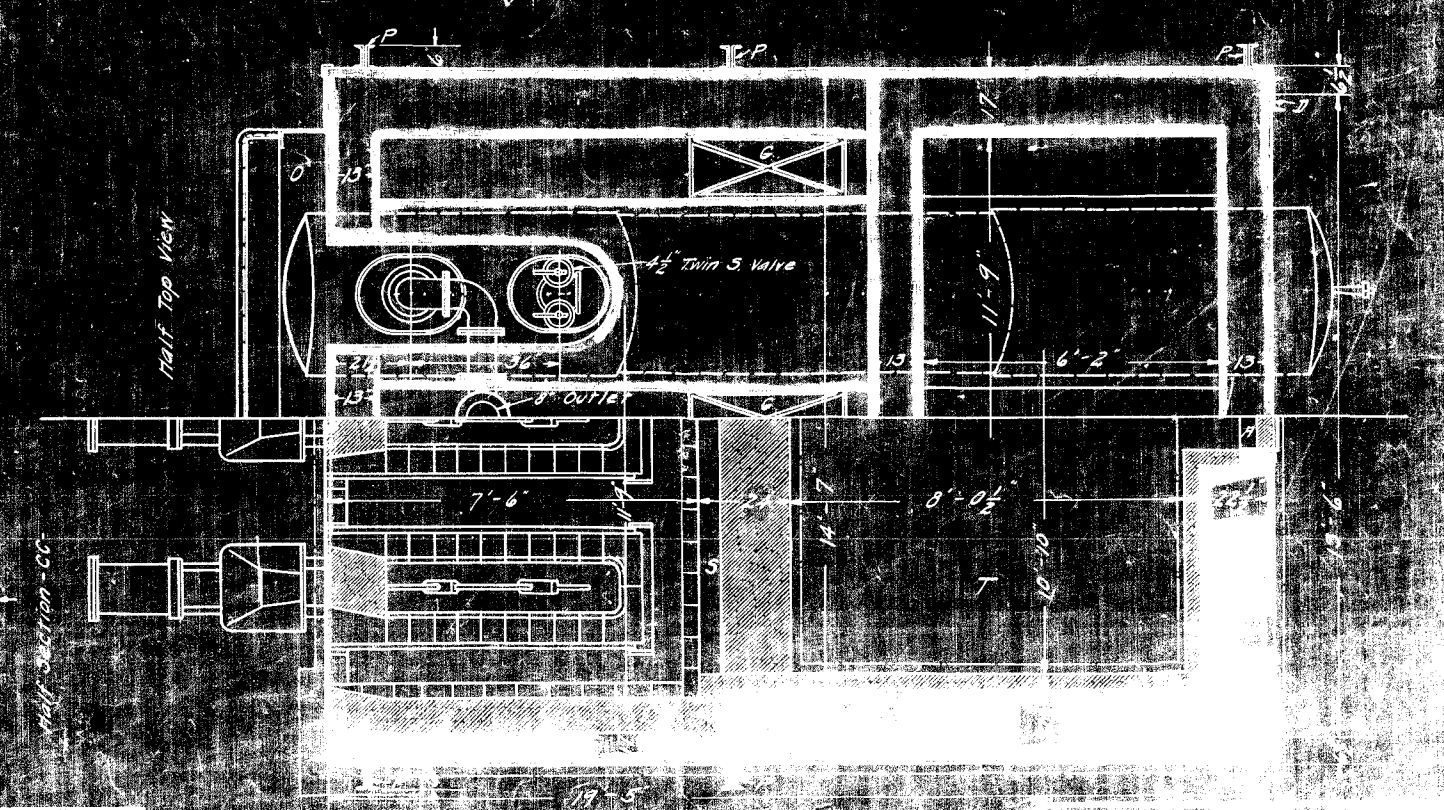
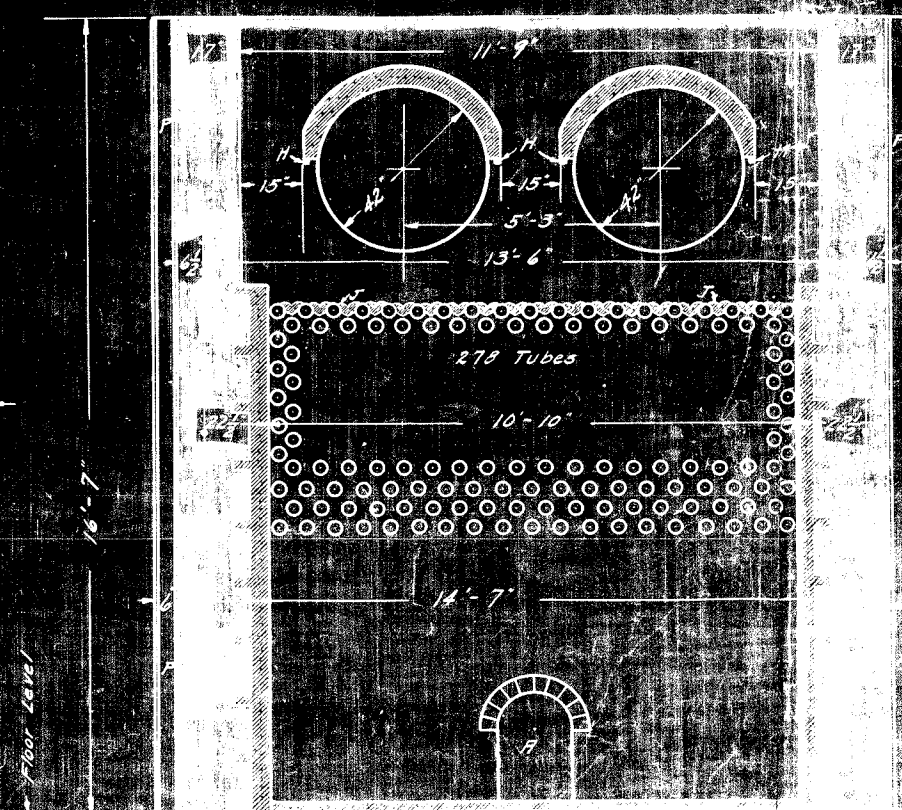
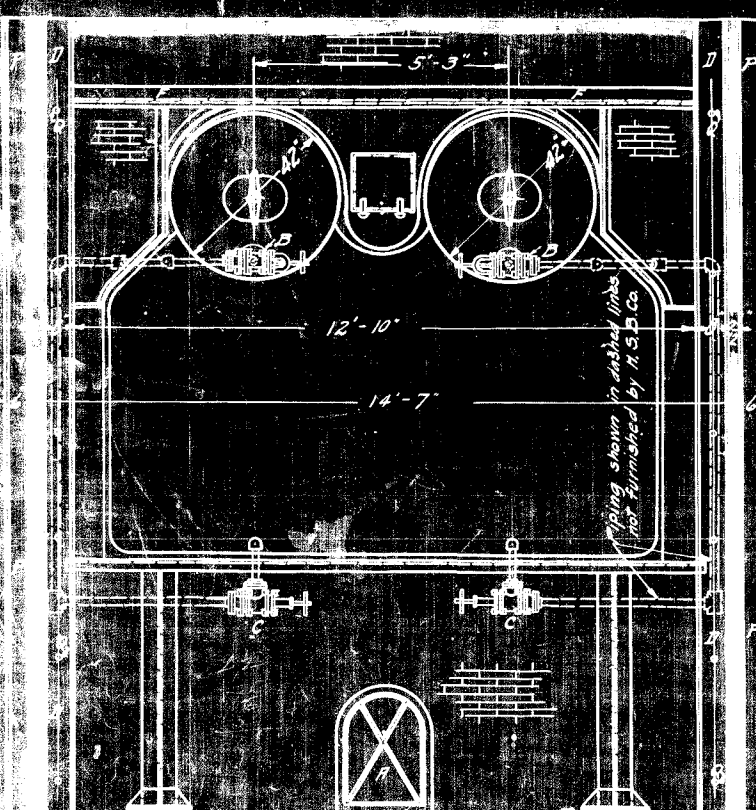
DRAWING APPROVED, J. Schmally



- Front View
- List of Parts
- A - Circle Top Ash Door
 - B - Blow off valve
 - C - Drain Valve
 - D - Rear Wall Plates
 - E - Waterleg
 - F - Linole
 - G - Clearing Door
 - H - Tile Bar
 - I - Cover Plates
 - J - B-Tile
 - K - Front Ceiling
 - L - Buckstays
 - M - Anchor Rods
 - N - Bridge Wall
 - O - Combustion Chamber
 - P - Top Water Control
 - Q - Minimum Depth of Foundation 24"
 - R - Red Brick
 - S - Fire Brick
- Foundation and Brickwork by Purchaser

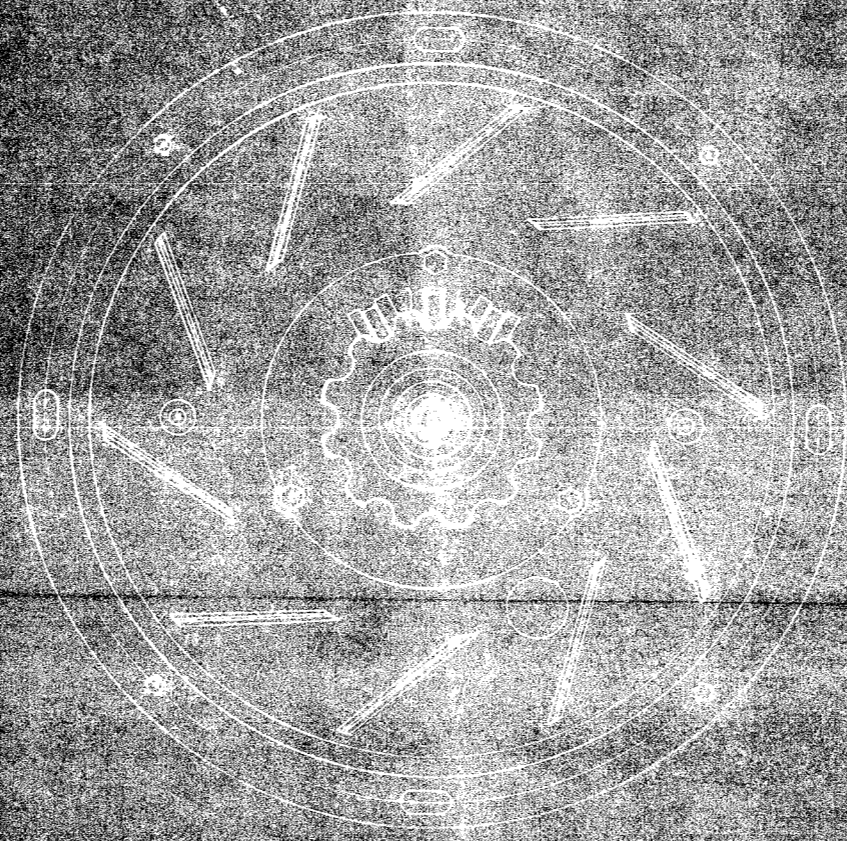
Section -AA-
Looking Back

Longitudinal Section

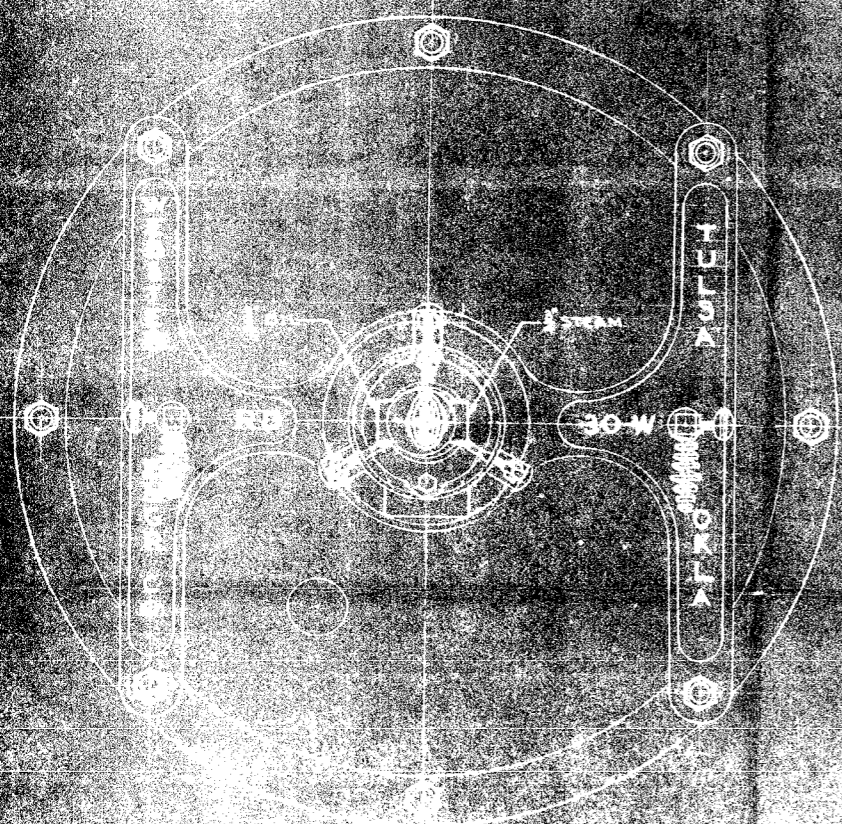


Rear View

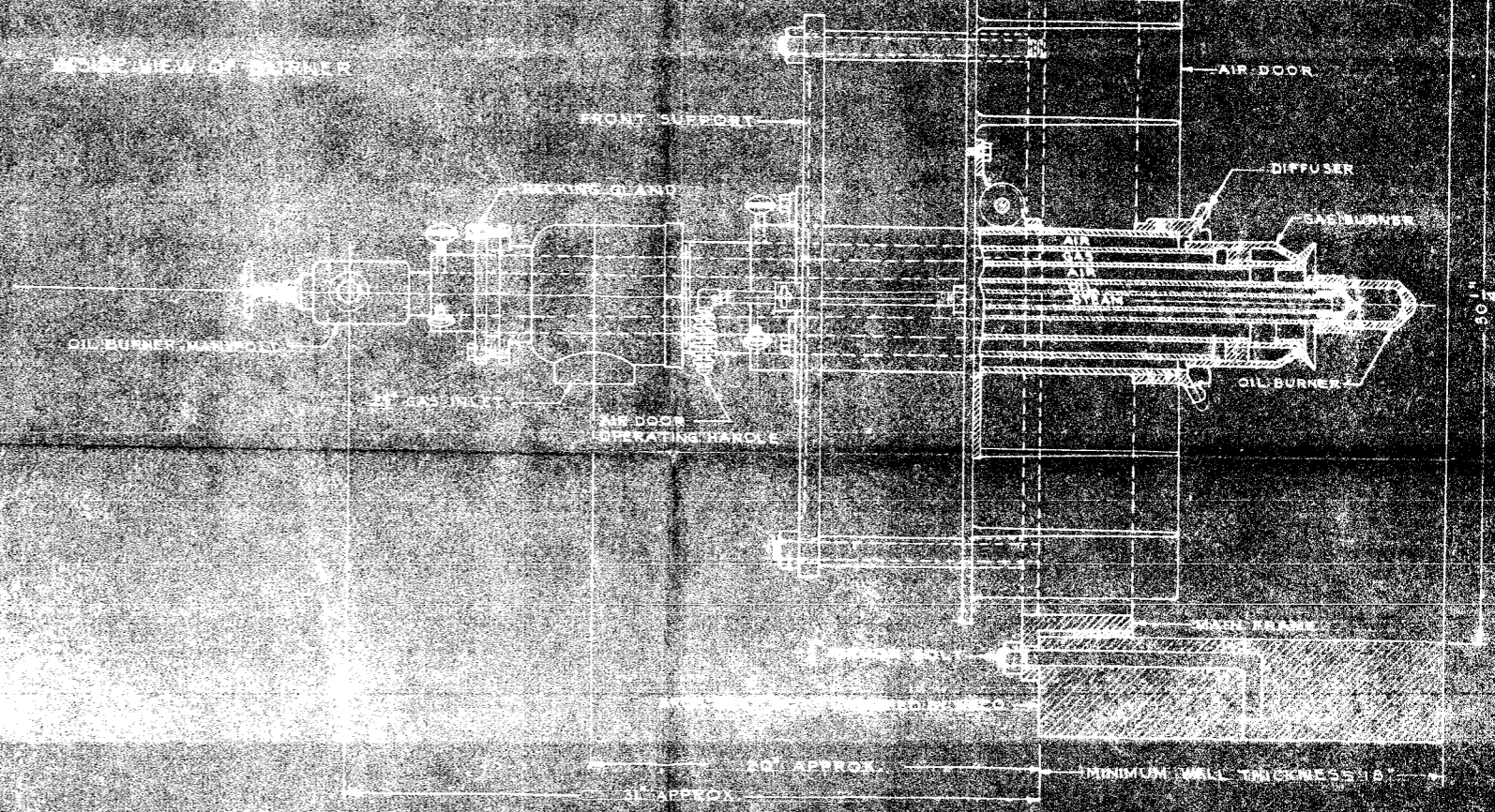
Half Section - CC



FRONT VIEW OF BURNER



TOP VIEW OF BURNER



SIDE ELEVATION AND SECTION

THE WEBSTER ENGINEERING CO. 100 WEST 42ND STREET NEW YORK 36, N.Y.		ASSEMBLY DETAILS OF WEBSTER SERIES NO. 30-W COMBINATION GAS AND OIL BURNER NATURAL DRAFT		THE WEBSTER ENGINEERING CO. 100 WEST 42ND STREET NEW YORK 36, N.Y.	
DATE DRAWN BY CHECKED BY APPROVED BY	DATE DRAWN BY CHECKED BY APPROVED BY	DATE DRAWN BY CHECKED BY APPROVED BY	DATE DRAWN BY CHECKED BY APPROVED BY	DATE DRAWN BY CHECKED BY APPROVED BY	DATE DRAWN BY CHECKED BY APPROVED BY

5445C

Specifications



Heine Boiler Company
SAINT LOUIS U.S.A.



Heine Boiler Company

MEMBER
THE NATIONAL
METAL TRADES
ASSOCIATION

WATER TUBE BOILERS

Proposal No. S-2556

To **THE UNIVERSITY OF NEBRASKA**
Lincoln, Nebraska.

Boiler No. 1

We propose to ship you within 45 days after approval of drawings, One (1) Heine Long Drum Water Tube Boiler having 8000 sq. ft. of heating surface each, which we will furnish, deliver and erect upon foundations furnished by Purchaser, we leaving boiler ready for Purchaser's brick work, we attach the valves and trimmings hereinafter specified thus leaving boiler ready for Purchaser's Feed, Steam, Blow-off and Smoke connections,

as described in the specifications hereto attached and made a part hereof, subject to the conditions herein stated.

PRICE: **EIGHTEEN THOUSAND THREE HUNDRED TWENTY DOLLARS.**

(\$ 18,320.00)

(Payable at par in St. Louis or New York Exchange)

Educational Discount 1600

TERMS OF PAYMENT:

60% Cash on sight draft, with B/L attached.

30% by Acceptance signed on delivery of B/L, due 30 days from date of B/L.

10% by Acceptance signed on delivery of B/L, due 60 days from date of B/L.

We will furnish the services of one of our men to superintend for you the installation of the material furnished under this contract, and all boiler brick work not incident to stokers or special furnaces, for not to exceed 30 days. It is agreed that if he is detained beyond this time we are to be paid for his services at the rate of \$15.00 per day plus living and traveling expenses, and that we are to be paid for any extra trips he is required to make on your account.

Payments to apply pro rata on material as shipped. If shipment or the completion of our part of contract is delayed by purchaser, payment shall be due as though shipment or our part of this contract had been completed. Title to this material shall remain in the Heine Boiler Company until full payment shall have been made in cash, notwithstanding the manner of its annexation to realty. If at any time credit rating of purchaser is not satisfactory, or in case any installment of price shall not be paid promptly as and when the same shall have become due and payable, according to the provisions hereof, we shall have the right to stop work and (without liability therefor) delay further performance until all such past due payments shall have been made, or until satisfactory credit arrangements are made. The purchaser shall provide and maintain adequate fire insurance for this material and shall assume all loss resulting from fire, in case of failure to effect such insurance. We will make no allowance for materials or labor, repairs or alterations, made for our account unless authorized in writing by us. This contract is contingent upon the non-occurrence of strikes, fires, floods, accidents or other conditions beyond our control. The acceptance of this material when delivered shall constitute a waiver of all claims for damages caused by delays. We will not be responsible for any damage to boilers or superheaters or other equipment, resulting from improper management, or the introduction of improper substances to their interior. All parts and attachments to be furnished by us are specified herein. This proposal supersedes all previous agreements or understandings, and when accepted by you and approved by an executive officer of this Company, it constitutes a contract between us.

The Heine Boiler Company will co-operate at all times with other contractors furnishing equipment to be attached to or to work in conjunction with its products. We are to be reasonably compensated for any additions or alterations in the boilers, appurtenances or supporting structure, not specified in this contract, which we shall be required to make to accommodate material furnished by others. It is also agreed that the purchaser is to provide openings of proper size in the buildings and unobstructed passage for the admission of boilers to their final locations, and that the building is to be heated and lighted in such a manner as not to interfere with the work.

Accepted.....19..... Submitted..... August 20th, 1925

By.....
(Purchaser Sign Here) (Title)

By..... W. J. Springe
(Sales Representative)

Approved, St. Louis, Mo.....19.....

This quotation is for immediate acceptance and is subject to change without notice at expiration of ten days from date.

For H and HC Types

Specifications

Heine Boiler Company

Proposal No. S-2556
Size of Boiler 186HC-451-18.

(Figures are for a single boiler)

St. Louis, Mo.

Number of boilers to be furnished - - - One (1)

Size Heating surface (one boiler) - - - 8000 sq. ft.

Nominal rating on basis of 10 sq. ft. heating surface per horse power - - - 800 H. P.

Grate or Stokers We omit grates and bearing bars for coal.

Size of furnace To be determined by - wide by long.

Area of grate Stoker Contractor. - sq. ft.

Our furnace width is 15' 8".

Design of Pressure Parts Number of steam and water drums - - - Three (3)

Diameter of drums - - - 42 inches.

Length of drums - - - 22 ft. 1 1/2 inches.

Thickness of plate - - - 19/32 inch.

Heads to be dished, thickness of heads, plain 11/16 inch, M. H. 13/16 inch.

11x15 inch flanged-in reinforced manhole in rear with pressed steel cover.

Longitudinal seams, double strap butt joints double riveted; girth seams, single riveted lap. Water legs of steel plate 17-32 inch thick, properly flanged and stayed with hollow staybolts and drop-forged throat stays.

Hot Finished Seamless

Tubes Tubes No. 9 B. W. G. of special mild steel, 3 1/2 inches diameter.

Number of tubes 451 Length of tubes 18 feet.

Working and Test Pressures Boiler to be built in strict accordance with the A. S. M. E. Boiler Code for a maximum working pressure of 250 lbs. per sq. inch. Boiler to be tested to and made tight at a hydrostatic pressure of 375 lbs. per sq. in. before leaving the shop, in the presence of an inspector of a reputable boiler insurance company whose certificate will be furnished if requested.

Front and Support Boiler to be supported by Overhead front/supports and steel backstands, so that no weight is carried by brickwork, and to be provided with an ornamental front and rear casing with large doors. We provide front wall Fire front with fire and ash pit doors and dead plates; rear and top cleaning plate 6' doors; covering plates; buck staves and anchor rods. below sill.
(For stoker installations we omit entire fire front below the water leg.)

Handhole Closures Boiler to be provided with Heine Standard Hand Hole Plates.

Weight Approximate shipping weight per boiler - - - 150,000 lbs.

Freight Freight to be paid by Heine Boiler Co.

Foundations Foundations finished to floor line to be provided by purchaser. The top ten inches to be of hard red brick or concrete molded to proper form.

Setting Boilers to be set singly.
Height of bottom of front water leg above floor 12 ft. 0 inches.

DAMPERS We provide steel dampers and frames for smoke outlets of boiler setting.

- Brickwork** Brickwork above boiler room floor line to be furnished by Purchaser. Approximate total number of fire brick per
Approximate total number of red brick per
- Erection of Boiler** Labor, tools and rigging for erecting boiler to be furnished by Heine Boiler Co.
" " " " " assembling boiler by Heine Boiler Co.
- Plans** Full instructions for erecting, including plans and specifications for the foundations and brickwork to be furnished by Heine Boiler Co.
- Appurtenances** The following appurtenances will be furnished with each boiler except as noted.
- Steam Outlet** One main steam outlet size 10 inches.
- Safety Valves** Proper number of / Consolidated pop safety valves, with nickle seat, size will be provided.
inches. Safety valve set to blow at pressure of lbs. per sq. in.
- Steam Gauge** One Ashton steam gauge, size 12 inches.
- Blow-off** Three 1½ inch outlets for drum blow-off and three 2 inch outlets for drain with furnished by H.B.Co. valve for each., furnished by Purchaser.
- Feed and Check Valves** Three Lunkenheimer angle valve for feed connection, size 2½ inches.
Three Lunkenheimer check valve for feed connection, size 2½ inches.
- Water Column** One Reliance water column with high and low water alarm, complete with three gauge cocks and one quick closing water gauge, with chains and handles for operating from floor.
- Piping** The necessary pipe and fittings for attaching above trimmings to boiler.
- Labor** All labor for attaching above trimmings to boiler furnished by Heine Boiler Co.
- Baffles Arches Jambs** ~~Full set of baffles, fire brick jambs and arches for fire doors.~~
(With other than hand-fired installations we omit fire door arches and jambs.)
We furnish and install Heine Refractite patented Monolithic
- Tools** S wrench; ~~set of firing tools, consisting of slice bar, hoe, two pronged hook,~~ Cross handhole cover tools. Baffles.
(With other than hand-fired installations we omit firing tools.)
- Soot Blower System** soot blowing system, ready to install to be furnished by Purchaser.
~~All pipe, fittings and valves for connecting soot blower to steam line to be furnished by~~
- Soot Blower Erection** ~~All labor for connecting soot blower to steam line to be furnished by~~

Name	Company	Phone #	E-Mail
Tracy Stake	Dickey Buckam Inc	402-610-7459	Tracy.Stake.db@gmail.com
Tom French	LeGrande	402-423-4076	
Ron Hansen	Winn Const.	402-932-5298	ron@winnyet.com
PAUL BOCKMANN	BOCKMANN INC	402 610 2319	pcb@bockmanninc.com
Heather Piersol	New Horizons	402-261-8130	heather@newhorizons-11.com
RON BRUCK	ESA, INC.	402-708-7633	RBRUCK@ESASITE.COM
JIM PAGEL	CARDNO ATC	402-697-9747	JIM.PAGEL@CARDNO.COM
Doug Wheeler	Wheeler Contracting	402 320 7125	douglas@wheelercontracting.com
MIKE CHARNO	GPAC, Inc	308-234-3350	mjc@gpac.com Dmc@gpac.com
Ryan Gibbs	LeGrande Excavating	402-540-6155	legrande.excavating@gmail.com