



State of Utah

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

Department of Administrative Services

KIMBERLY K. HOOD
Executive Director

Division of Facilities Construction and Management

DAVID G. BUXTON
Director

ADDENDUM #1

Date: June 6, 2008

To: Contractors

From: Tim Parkinson, Project Manager, DFCM

Reference: Boiler and Economizer Installation
Weber State University - Ogden, Utah
DFCM Project No. 07049810

Subject: **Addendum No. 1**

Pages	Addendum Cover Sheet	1 page
	<u>Engineers Addendum</u>	<u>4 pages</u>
	Total	5 pages

Note: *This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.*

While we contend that SB220 should only be potentially applicable to a contract issued after the effective date of said bill, this is to clarify that for purposes of this contract, regardless of the execution or effective dates of this contract, the status of Utah Law and remedies available to the State of Utah and DFCM, as it relates to any matter referred to or affected by said SB220, shall be the Utah law in effect at the time of the issuance of this Addendum.

1.1 **SCHEDULE CHANGES** – There are no changes to the project schedule.

1.2 **GENERAL ITEMS**

1.2.1 Specifications and Drawings from WHW Engineering

Utah!
Where ideas connect

ADDENDUM

Project Name: Weber State University
Heating Plant - Boiler Replacement

Addendum No.: 1

DFCM Project # 07049810

Date: 06-03-08

From: WHW Engineering Inc
8619 South Sandy Parkway
Sandy, Utah 84070
Phone (80) 466-4021 Fax (801) 466-8536

To: DFCM, Alternative Mechanical, Halverson Mechanical, KOH Mechanical, and MSS Mechanical

This Addendum forms and becomes a part of the Contract Documents and modifies the original Bidding Documents dated 04/11/08 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of 2 pages.

I - CHANGES TO PRIOR ADDENDA: N/A

II - CHANGES TO BIDDING REQUIREMENTS: N/A

III - CHANGES TO AGREEMENT & OTHER CONTRACT FORMS: N/A

IV – CHANGES/CLARIFICATIONS TO CONDITIONS OF THE CONTRACT: N/A

V - CHANGES/CLARIFICATIONS TO SPECIFICATIONS: N/A

VI - CHANGES/CLARIFICATIONS TO DRAWINGS:

- Item VI-1.** Sheet ME 901, detail A3- Provide a pressure relief valve located on top of the boiler feed water piping inlet to economizer. Set the relief pressure the same as boiler relief. Pipe relief line thru - roof. See detail D5/ME501.
- Item VI-2.** Sheet ME402 - Remove and replace temperature sensor for Nipper control. Coordinate with WSU operators for size and type.
- Item VI-3.** During demolition the Demolition Contractor left in place a temporary flexible air line. This contractor shall remove flexible hose and replace with type L copper or schedule 40 galvanized steel piping from existing source to nipper control.
- Item VI-4.** Route a new 1/2 inch chemical feed schedule 80 steel pipe from source to the 90 deg. ell serving Deaerator #1. This piping was removed during demolition. Contractor shall field verify the existing chemical tank serving Deaerator #1 and trace the routing of the feed line to the location of new tie-in.
- Item VI-5.** Sheet ME101 and ME901 Detail C3. During demolition the gas piping was not removed as required by the drawings; therefore this contractor shall remove the two gas lines, that served existing removed boilers 1 & 2, back to the main gas line at the wall and cap. This contractor shall make new 3 inch piping connection to the existing main gas line complete with new 3 inch plug valve. Note 2 sheet ME901 shall read "Connect new 3 inch gas piping to

header. Field verify exact location of new tie-in." Note 6, sheet ME901 shall read "Provide new 3"-150# flg'd plug valve". Note 37, sheet 901 shall read "Remove existing gas piping back to main and cap." Note 5, sheet ME 101 shall read "Connect new 3 inch gas piping to existing header." Field verify exact location."

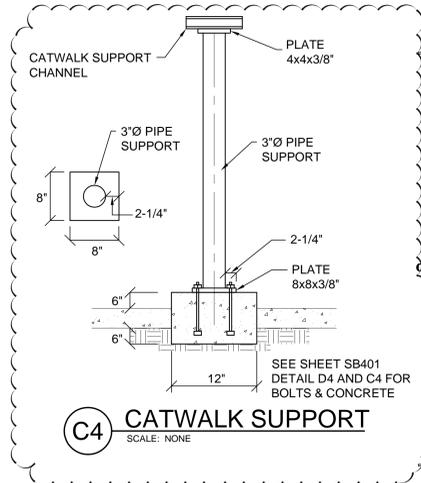
- Item VI-6.** The existing sequence of operation is to cascade the relief valves for all three boilers. All three boilers shall have the same relief valve pressure set points. Coordinate with WSU.
- Item VI-7.** During demolition for boiler #1 an air passage under the floor was discovered. A new drawing SB101 is issued in this addendum to replace the previous SB101. This drawing directs the contractor how to fill and cover the under floor trenches.
- Item VI-8.** During the demolition, the contractor provided temporary supports for the existing catwalks. This contractor shall remove these temporary supports and replace these supports. The temporary support off the I-beam column shall remain. A new drawing ME202 is issued in this addendum to replace the previous ME202. This drawing directs the contractor how to support the existing catwalks.
- Item VI-9.** During the demolition, the contractor provided temporary supports for the existing piping located along the west wall. This contractor shall remove these temporary supports and provide new supports according to the specifications. New supports shall not take away access to new and existing equipment and piping, See new ME 202 noted in item VI-8 above for locations of temporary pipe supports.
- Item VI-10.** The existing control panel and controls for the existing boilers is Johnson Controls. Contact Scott Johnson at 801-879-1015. The new boiler will be stand-alone with controls provided by Coen. Contact North Associates - Allen Woodbury - office: 801-274-3333; Cell: 801-918-4826. Contractor shall coordinate with Allen.
- Item VI-11.** Sheet SB101. The existing concrete floor area under the new boiler footing shall be chipped down to the correct dept before placing new footing and pad.
- Item VI-12.** All structural steel platform, handrails, kick plates etc, shall be painted to match existing or match campus standards.
- Item VI-13.** Sheet ME 201, Note 47 shall read "All catwalk shown on sheet ME201 shall remain.
- Item VI-14.** Sheet ME 201, Add note 49 "Existing catwalk in front of new boiler may have to be modified. Coordinate during placement of new boiler."

CONSULTANTS



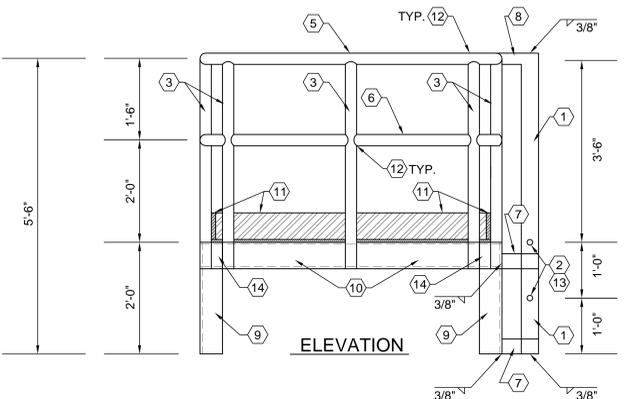
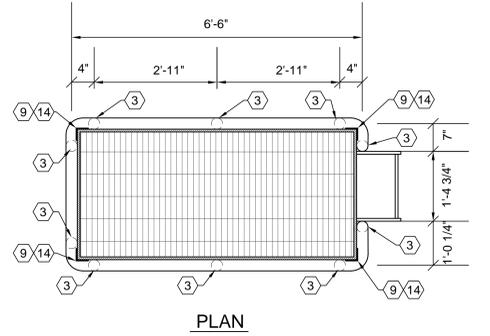
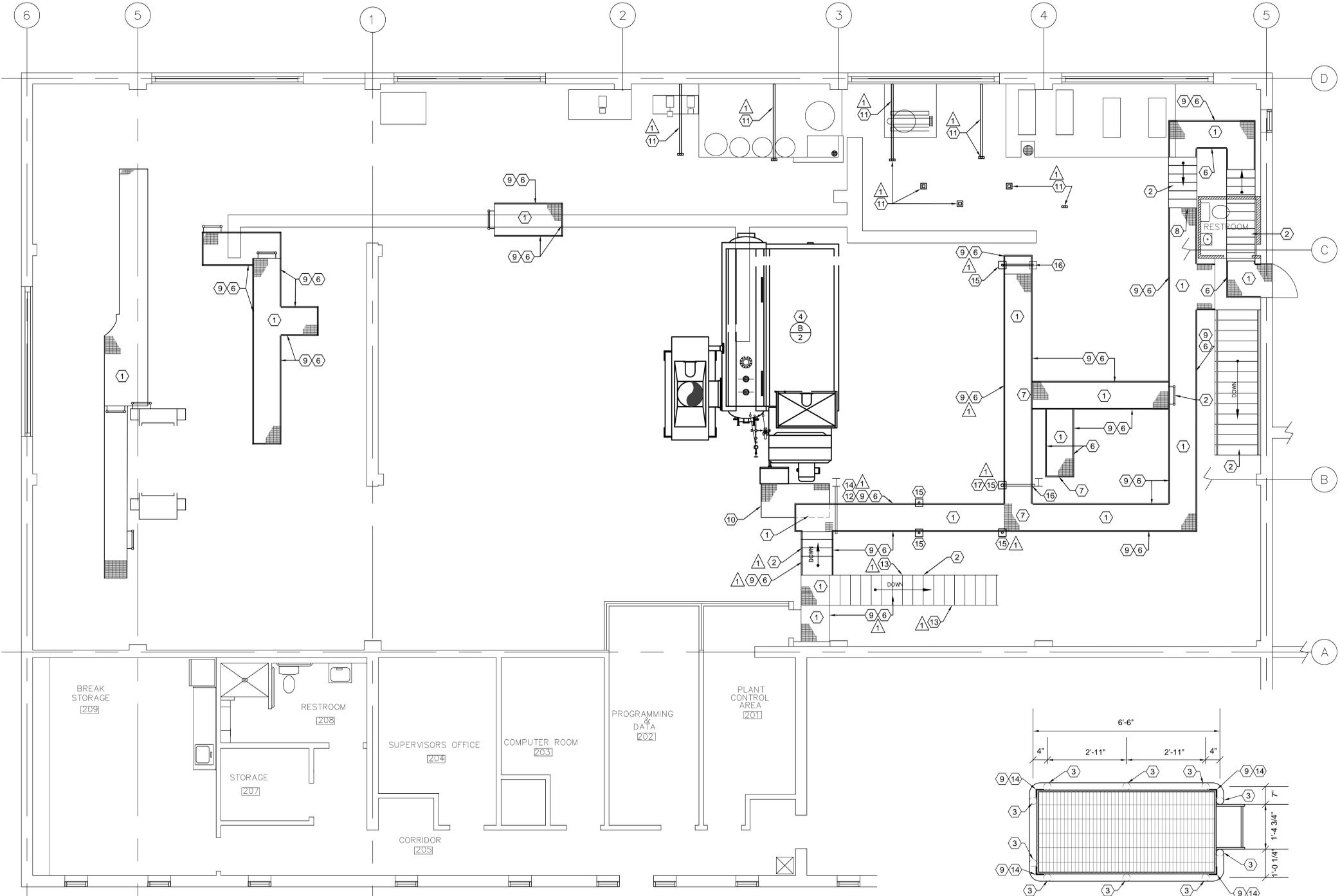
SHEET NOTES:

- 1 EXISTING CATWALK AND PLATFORMS SHALL REMAIN.
- 2 EXISTING STAIRS SHALL REMAIN.
- 3 PROVIDE NEW HANDRAIL TO BLOCK-OFF THIS AREA.
- 4 TEMPORARY ACCESS TO NEW BOILER #2. SEE DETAIL C5/ME501.
- 5 EXISTING CATWALK WAS REMOVED DURING DEMOLITION PHASE.
- 6 EXISTING CATWALK THAT WILL REMAIN SHALL BE FITTED WITH A 10 GA. FLAT STEEL TOE PLATE 6" HIGH.
- 7 PROVIDE TEMPORARY SUPPORT FOR THIS SIDE OF EXISTING CATWALK.
- 8 ADD TOE PLATE AT BOTTOM OF STAIRS EXTEND TOE PLATE ACROSS FIRST RISER PROVIDING 1/2" TO 1" NOSING.
- 9 REPLACE HANDRAILS ON EXISTING CATWALKS THAT ARE TO REMAIN. SEE DETAIL C5/ME501.
- 10 SEE DETAIL A4 THIS SHEET FOR BURNER ACCESS PLATFORM.
- 11 REMOVE EXISTING PIPE AND UNISTRUT SUPPORTS, BASE PLATES, CHANNELS, ANGLE IRON, FLOOR BOLTS, ETC. REPLACE WITH NEW SUPPORTS PER DETAILS AND SPECIFICATIONS.
- 12 REMOVE TEMPORARY WOOD HANDRAILS AND PROVIDE NEW HANDRAILS PER NOTE 6 AND 9 ABOVE.
- 13 REMOVE AND REPLACE HANDRAILS PER DETAIL C5/ME501.
- 14 EXISTING TEMPORARY SUPPORT SHALL REMAIN. PAINT TO MATCH EXISTING.
- 15 PROVIDE NEW CATWALK SUPPORTS. SEE CATWALK SUPPORT DETAIL C4/ME202.
- 16 EXISTING SUPPORTS TO REMAIN.
- 17 CLEAN AND SQUARE UP CHANNEL CUT AREA, CUT EVEN AND PAINT.



ACCESS PLATFORM NOTES:

- 1 LADDER STRINGERS - 2"x3/8" BAR.
- 2 3/4" DIA. RUNGS.
- 3 1-1/2" DIA. PIPE - SCH. 40 POST SUPPORTS.
- 4 NON-SKID STEEL FLOOR SURFACE.
- 5 1-1/2" DIA. PIPE - SCH. 40 POST.
- 6 1-1/2" DIA. PIPE, SCH. 40 MID RAIL.
- 7 4"x3/8" PLATE STL. WELD TO CHANNEL AND STRAINER.
- 8 2"x3/8" PLATE STL. WELD TO TOP RAIL AND STRAINER.
- 9 3"x3"x3/16" ANGLE.
- 10 6"x2"x3/16" CHANNEL.
- 11 6" - HIGH x 10 GA. FLAT STEEL TOE PLATE.
- 12 ALL HANDRAILS WELDS SHALL BE GROUND SMOOTH AND PAINTED PER OSHA AND WSU STANDARDS.
- 13 PUNCH HOLES IN LADDER STRINGERS AND WELD RUNGS TO STRINGERS ON OUTSIDE OF RUNGS AND GRIND SMOOTH.
- 14 WELD 3"x3"x3/16" ANGLE TO CHANNEL TYP. 4 LOCATIONS.



CATWALK LAYOUT
SCALE: 1/4" = 1'-0"

A4 FREE STANDING BURNER ACCESS PLATFORM
SCALE: NOT TO SCALE

PROJECT NAME & ADDRESS

WEBER STATE UNIVERSITY HEATING PLANT - BOILER REPLACEMENT
DFCM No. 07049810

Ogden, Utah

MARK	DATE	REVISION
△	06/06/08	REMOVE AND REPLACE TEMPORARY PIPE SUPPORTS-ADDENDUM No. 1
△	06/06/08	REMOVE AND REPLACE EXISTING CATWALK SUPPORTS-ADDENDUM No. 1

PROJECT MANAGER: SLW
DRAWN BY: LGD
CHECKED BY: SLW/WP
DATE: 04/11/08
WHW JOB NO.: 07037
SHEET TITLE



CATWALK LAYOUT

SHEET NO. **ME202**

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SHEET NOTES

EXISTING ITEMS PLAN LEGEND (LEG-EXIST)

- EXISTING FOOTING - CONTINUOUS
- EXISTING FOOTING - THICKENED SLAB
- EXISTING FOOTING - SQUARE, RECTANGULAR, OR MAT
- EXISTING CONCRETE SHEAR WALL, FOUNDATION WALL OR RETAINING WALL
- EXISTING OPENING THROUGH CONCRETE WALL
- EXISTING CONCRETE PIER IN CONCRETE WALL, PIER RECESSED 8" BELOW SLAB, TYP. U.N.O.
- EXISTING CONCRETE COLUMN
- EXISTING STEEL COLUMN - WIDE FLANGE
- EXISTING TO BE REMOVED
- EXISTING OPENING

FOOTING & FOUNDATION PLAN LEGEND (LEG-FOOTING)

- FOOTING STEP
- FOOTING - CONTINUOUS
- FOOTING - THICKENED SLAB
- FOOTING - SQUARE FOOTING - RECTANGULAR FOOTING - MAT FOOTING
- STEEL COLUMN - TUBE
- STEEL COLUMN - WIDE FLANGE
- STEEL COLUMN - PIPE
- CHANGE IN ELEVATION
- SLAB BLOCK-OUT AT COLUMN
- SLAB CONTROL/CONSTRUCTION JOINT
- SPECIAL SLAB AREA
- RECESSED/DEPRESSED SLAB
- OPENING

FOOTING & FOUNDATION PLAN NOTES (NOTES-FOOTING)

1. SEE ARCHITECTURAL DRAWINGS FOR SLAB DEPRESSIONS AND SLOPES TO DRAINS, ETC.
2. REFER TO GENERAL STRUCTURAL NOTES AND SEE B4/SB401 FOR COMPACTED STRUCTURAL FILL REQUIREMENTS BELOW FOOTINGS.

Lean Mix Concrete Backfill:

1. Contains maximum of 94 lbs of cement per cubic yard of slurry fill/backfill.
2. Minimum stable air content of 20 percent, Darafill dosage as necessary.
3. maximum water content of 36 gallons per cubic yard of backfill.
4. Maximum compressive strength of 150 psi at 28 days.
5. Type Two Acceptable Products:
 - a. Dara fill by W R Grace & Co. Cambridge, MA www.na.graceconstruction.com
 - b. Equal as approved by Architect before use. See Section 01 6200.

PROJECT NAME & ADDRESS

WEBER STATE UNIVERSITY HEATING PLANT - BOILER REPLACEMENT

DFCM No. 07049810

Ogden, Utah

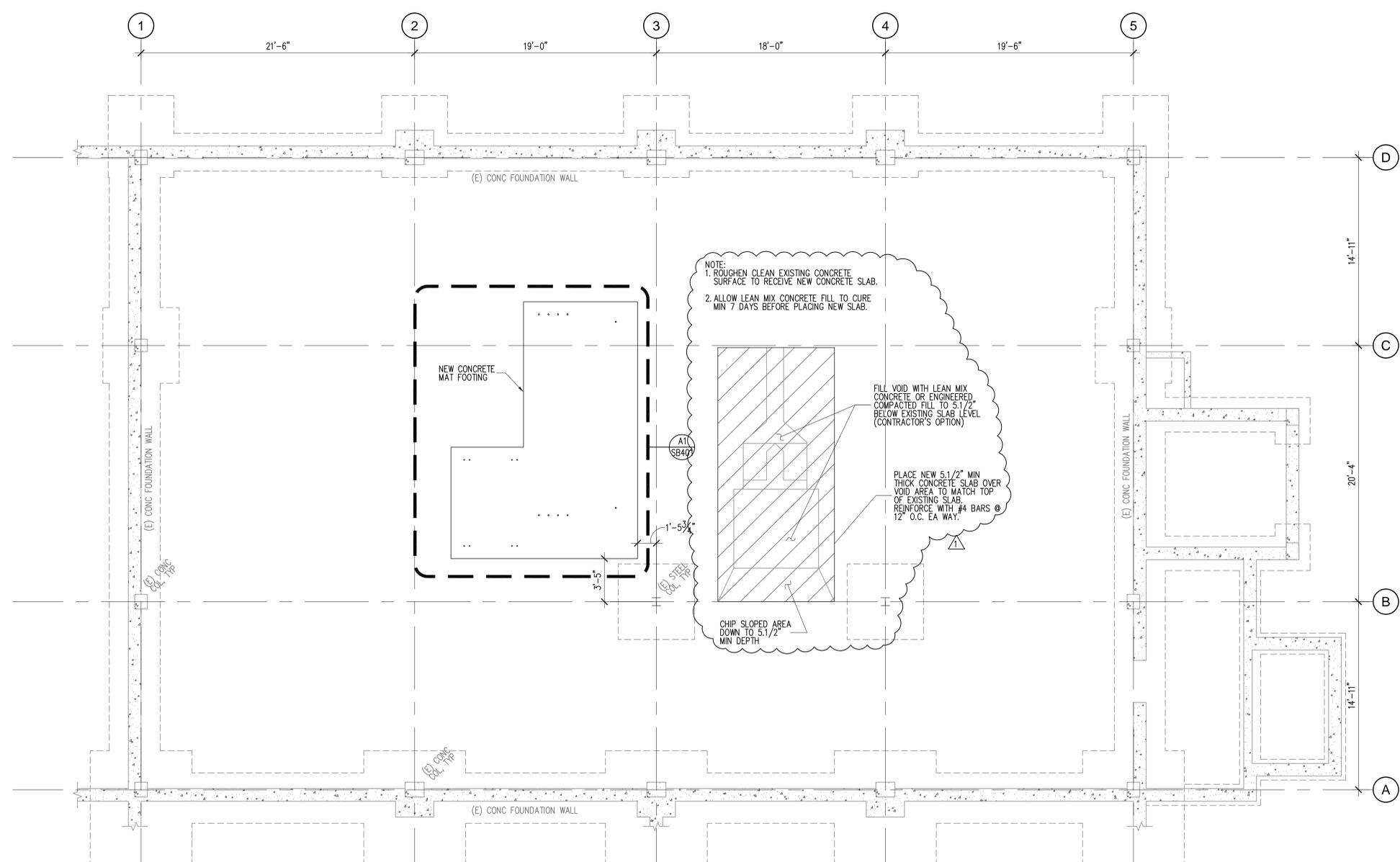
MARK	DATE	REVISION
△	04/28/08	ADDENDUM #1

PROJECT MANAGER: APB
DRAWN BY: CAT/REA
CHECKED BY: OWW
DATE: 4/11/08
WHW JOB NO.: 07037



FOOTING AND FOUNDATION PLAN

SHEET NO. **SB101**



A2
SB101
FOOTING & FOUNDATION PLAN
SCALE: 1/4"=1'-0"
NORTH