

ADDENDUM No. 2
Additions and Renovations
To the
Wilbraham Main Fire Station
For the
Town of Wilbraham, MA

Tecton Project No. WBR01.AR
February 10, 2012

This Addendum forms a part of the Construction Documents and modifies the original bidding documents dated January 19, 2012.

The information in this Addendum supersedes any contradictory information or omission set forth in the Contract Documents.

Where any component of the Contract Documents is modified or deleted by this Addendum, the unaltered components of that Section, Article or Drawing shall remain in effect.

The Bidder shall acknowledge receipt of this Addendum by inserting its number on the Proposal Form. Failure to do so may subject bidder to disqualification.

GENERAL:

Questions from General Construction Bidders will be accepted until Monday, February 20, 2012.

Specification Section 011200 - SUMMARY OF MULTIPLE CONTRACTS identifies that Section 230548 - VIBRATION CONTROL AND SEISMIC RESTRAINT is included in the HVAC Filed Sub-bid.

Clarification: The owner will pay for all utility fees for fiber optic, telephone and cable.

Clarification: Through wall flexible flashing in masonry cavity wall construction to be furnished and installed by the Masonry Filed Sub Bid. All other roof flashing to be furnished and installed by the Roofing and Flashing Filed Sub Bid.

SPECIFICATIONS:

TABLE OF CONTENTS – DIVISION 00 – SECTION 003132

Delete: “SOIL BORING DATA”

AIA DOCUMENT A201 – 2007 General Conditions of the Contract for Construction, Article 3, Paragraph 3.6

Replace: in its entirety with “The Town of Wilbraham is sales tax exempt, the contractor shall not be required to pay sales tax for the work provided.

AIA DOCUMENT A201 – 2007 General Conditions of the Contract for Construction, Article 3, Paragraph 3.7.1

Add: “The permit fees from the Town of Wilbraham for this project have been waived.”

SECTION 012300 – ALTERNATES

Clarification: Paragraph 3.1.A refer to SKA-2 Floor Plan – Base Bid which is provided solely to clarify the base bid partition configuration.

Clarification: Paragraph 3.1.C all of the ceiling mounted radiant panels are included in this alternate, regardless of whether they are shown in the Alternate #1 area or the Base Bid area.

SECTION 015000 – TEMPORARY FACILITIES AND CONTROLS, Paragraph 3.4, sub-paragraph C.1

Delete: “As required to enclose entire Project site or portion determined sufficient to accommodate construction operations.”

Add: “As required to enclose construction operations.”

SECTION 003132 – GEOTECHNICAL DATA, Paragraph 1.4, sub-paragraph 1

Replace: “14 pages” with “8 pages double sided”

SECTION 003132 – GEOTECHNICAL DATA, Paragraph 1.4

Delete: paragraph B in its entirety.

SECTION 042000 - UNIT MASONRY

Delete: subparagraph 1.3D.3 in its entirety.

SECTION 061053 – MISCELLANEOUS ROUGH CARPENTRY Paragraph 1.2.A

Delete: 1. Wood blocking, nailers, and plywood associated with roofing.

SECTION 072100 – THERMAL INSULATION, paragraph 1.2.A

Delete: 1. Perimeter insulation under slabs-on-grade.

SECTION 072726 – FLUID-APPLIED MEMBRANE AIR BARRIERS Paragraph 2.3.A.2.b.

Add: 3. Sto Corp., StoGuard Systems - Vapor Seal
4. BASF Wall Systems, Enershield-I

SECTION 076200 - SHEET METAL FLASHING AND TRIM

Add: the following new subparagraph e to Paragraph 1.3A.2:
e. Formed roof drainage sheet metal fabrications.

Delete: Paragraph 2.1C in its entirety and replace with the following:

- C. Copper Sheet: ASTM B 370, cold-rolled copper sheet, H00 or H01 temper.
 - 1. Nonpatinated Exposed Finish: Mill.

Delete: subparagraph 2.2B.2 in its entirety and replace with the following:

2. Fasteners for Copper Sheet: Copper, hardware bronze or passivated Series 300 stainless steel.

Delete: subparagraph 2.2C.1 in its entirety and replace with the following:

1. For Copper: ASTM B 32, Grade Sn50, 50 percent tin and 50 percent lead with maximum lead content of 0.2 percent.

Replace: Paragraph 2.5 all Zinc-tin Alloy Coated Copper with "Copper".

Delete: Paragraph 2.6 in its entirety and replace with new Paragraph 2.6:

2.6 ROOF DRAINAGE SHEET METAL FABRICATIONS

- A. Downspouts: Fabricate 3x4 inch rectangular downspouts complete with mitered elbows. Furnish with metal hangers, from same material as downspouts, and anchors.
 1. Fabricate from the following material:
 - a. Aluminum: 0.050 inch thick.
 - b. Color: As selected by Architect from manufacturer's full range.

Add: to Paragraph 3.2 the following new Paragraph G.

- G. Downspouts: Join sections with 1-1/2-inch telescoping joints.
 1. Provide hangers with fasteners designed to hold downspouts securely to walls. Locate hangers at top and bottom and at approximately 60 inches o.c. in between.
 2. Connect downspouts to underground drainage system indicated.

SECTION 083613 – SECTIONAL DOORS

Delete: Paragraph 1.3E in its entirety.

Delete: Paragraph 1.4G in its entirety.

Revise: sub-subparagraph 2.6A.1.a to read as follows:

- a. Overhead Door Corporation; Thermacore **596**.

Add: the following to Paragraph 2.6G:

3. Baked-Enamel or Powder-Coat Finish: Manufacturer's standard baked-on finish consisting of prime coat and thermosetting topcoat. Comply with coating manufacturer's written instructions for cleaning, pretreatment, application, and minimum dry film thickness.

SECTION 099100 - PAINTING

Delete: Paragraph 2.5C in its entirety (wood primer).

Delete: Paragraph 2.7D in its entirety (wood paint).

Delete: Paragraph 3.6C in its entirety.

Add: the following new paragraphs F and G to Paragraph 3.6

- F. Concrete: Provide the following finish systems over new or existing concrete slabs scheduled to receive sealer:
 - 1. Clear Concrete Sealer: Two finish coats.
- G. Existing Concrete: Provide the following finish systems over existing concrete structure:
 - 1. Semi-Gloss Epoxy Finish: Two finish coats over a primer.
 - a. Primer: Manufacturer's recommended primer for existing painted surface compatible with epoxy finish coat.
 - b. Finish Coats: Interior semi-gloss epoxy.

SECTION 220000 - PLUMBING page 3, Paragraph 2.9.F

Delete: the first sentence and replace with the following:

“Trap primer connections are required on all floor drains and trench drains to maintain all trap seals.”

SECTION 220000 - PLUMBING page 3, Paragraph 1.16.B

Delete: “furnishing and”

Add: “The compressor shall be provided by the owner.”

SECTION 260000 - ELECTRICAL Paragraph 2.14.C – Delete paragraph and replace with the following:

- C. “The owner will furnish one 600A, 3 Pole, NEMA 1, automatic transfer switch to be installed by the electrical contractor.”

SECTION 260000 - ELECTRICAL Paragraph 2.14.F – Delete this paragraph and replace with the following:

- F. “The owner's vendor will perform generator start-up, testing, and training including providing generator O & M's. Assist the vendor during testing as required.

DRAWINGS:

Drawing A2.401:

Add: walkway pads as shown on attached SKA-1

Drawing A8.101:

Add: Hollow metal windows as shown on SKA-3

Drawing A8.101 on Overhead door elevations OH-1, OH-2, OH-3 & OH-4:

Delete: glass type “C-typical” glass type to manufacturer's standard per specification.

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Drawing PD1.01:

Add: Section 220000 shall disconnect existing air compressor. Air compressor shall be removed by owner.

Add: Existing Boiler and breeching/chimney shall remain.

Clarification: Incorporate the clarifications and/or revisions on the following sketch: SK-P6.

Drawing P1.101:

Clarification: Detail #2, Gas Riser Diagram: Gas header at generator shall be 6" in size.

Clarification: Incorporate the clarifications and/or revisions on the following sketches: SK-P2 thru SK-P4.

Clarification: The emergency eyewash/shower unit is provided by owner.

Drawing P0.101

Clarification: Incorporate the clarifications and/or revisions on the following sketch: SK-P1.

Drawing P0.102

Delete: Detail 6 in its entirety.

Drawing P1.100

Clarification: Incorporate the clarifications and/or revisions on the following sketch: SK-P5.

Drawing C3.0 for details "Flat Top Catch Basin" and "Flat Top Catch Basin (Double)"

Delete: the reference on the outlet pipes stating "8" DR18 CL150 PVC" and "8" Green Trap -...". The outlet pipes are labeled on Sheet C2.2 Utility Plan and the oil/gas trap is specified in Specification Section 334000, paragraph 2.2 H.

Drawing A9.201 Finish Schedule, Room # 102 Existing Apparatus Bays:

Add: to Remarks "include existing concrete columns along with wall painting"

BIDDER QUESTIONS:

- Q: Drawing M5.01, Boiler Plant Control diagram states that the boiler control panel must be "BRACNET" compatible, please clarify this requirement?
- A: **The use of Lon communication protocol shall be acceptable and is compatible with Buderus boilers.**
- Q: Addendum 1 eliminates the resinous coating on the walls. What are you replacing it with?
- A: **Addendum #1 also changes the designation for "EP-1" on the "Basis of Design - Material List" to Benjamin Moore Epoxy paint, therefore the provided epoxy paint specification applies at all areas designated on the "Finish Schedule" as "EP-1"**

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- Q: The alternate 7 control detail on M5.01 shows 120 volt power to the radiant control panel being by the control contractor. Is this correct? Typically this would be done by the 260000 electrician because power will have to come from his panel covered under his electrical permit. Please confirm.
- A: **As indicated on the plan (and specs) 120 V power shall be provided by ATC contractor for HVAC equipment control systems.**
- Q: The 10" kitchen hood exhaust duct is this just 10" ss, not welded, correct?
- A: **Correct, S/S exhaust required for kitchen exhaust.**
- Q: The 2" galvanized vent pipe for the flammable storage cabinet shows for Alternate #1 work, so there will be no vent pipe on the base bid for this storage cabinet?
- A: **Correct.**
- Q: Please provide the quantity of Daylilly on the base bid plant list.
- A: **Quantity of Daylilys to be relocated are estimated to be 5-10 individual plants in multiple existing mass plantings.**
- Q: The electric/cable/tele service trenches require concrete encasement per details on Sheets E0.004 and E0.005. These lines continue under the building section. Is the concrete encasement still required under the building slab also?
- A: **No concrete encasement required under the building footprint.**
- Q: The JMANSVILLE expansion jt. cover model #EJ seems to match the one on your drawing details H2,E2.and E3 is this correct ?
- A: **The JMansville model #EJ is acceptable.**
- Q: I would like to respectfully submit the ACO FG200 (8"w) System for review as an approved system for the trench drain on Wilbraham Fire Station.
- A: **Our spec is not proprietary. The ACO FG200 would be an acceptable substitution to what is specified.**
- Q: Who is responsible for the transformer pad?
- A: **The transformer pad is provided under SECTION 033000 CAST-IN- PLACE CONCRETE by the General Contractor.**

ATTACHMENTS:

- SKA-1 Roof Plan – Revision 1
- SKA-2 Floor Plan – Base Bid
- SKA-3 Hollow Metal Window Frame
- SK-P1 Legend, Notes & Details – Plumbing
- SK-P2 First Floor Plumbing Plan
- SK-P3 First Floor Plumbing Plan

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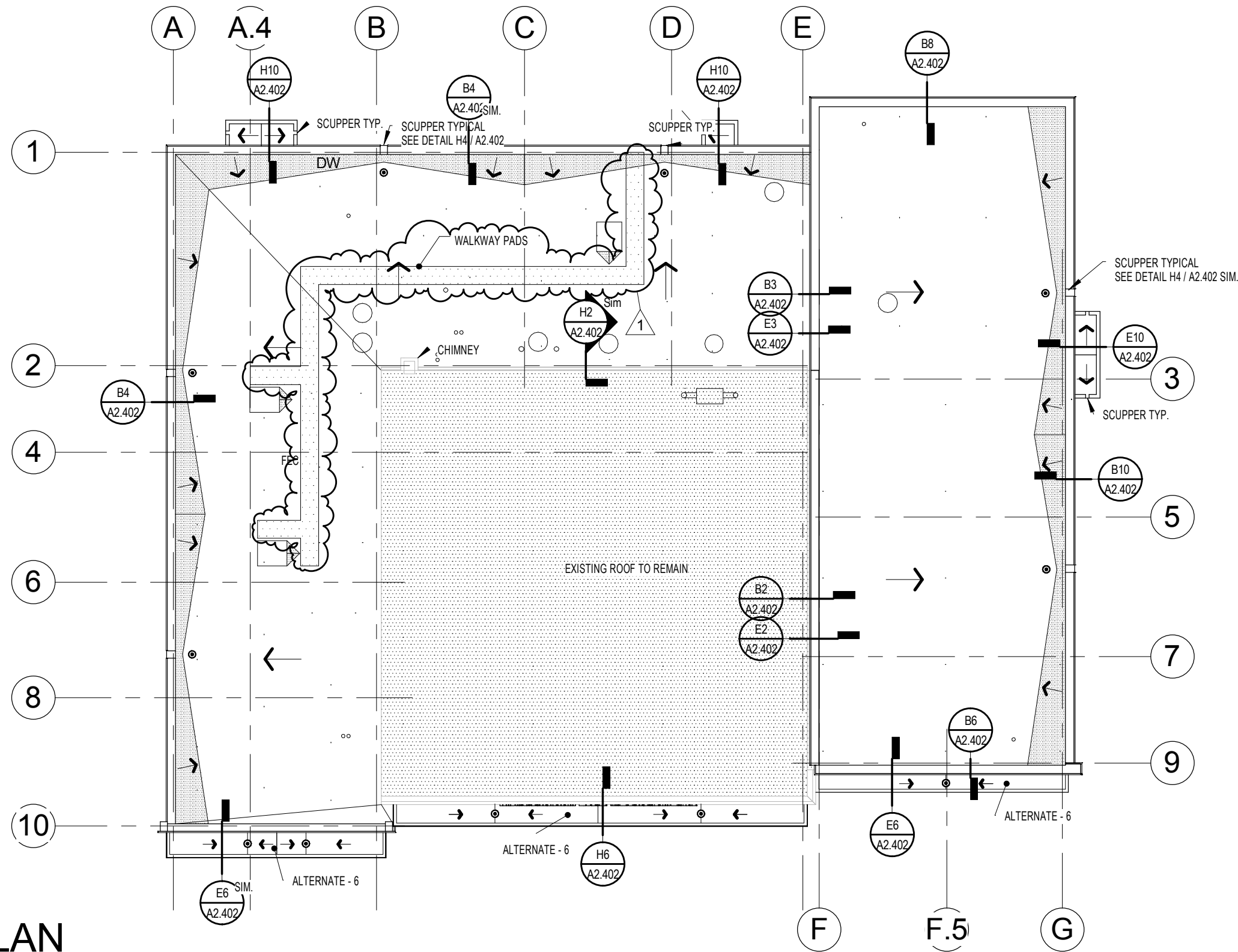
February 10, 2012

SK-P4 First Floor Plumbing Plan

SK-P5 Below Slab Plan Plumbing

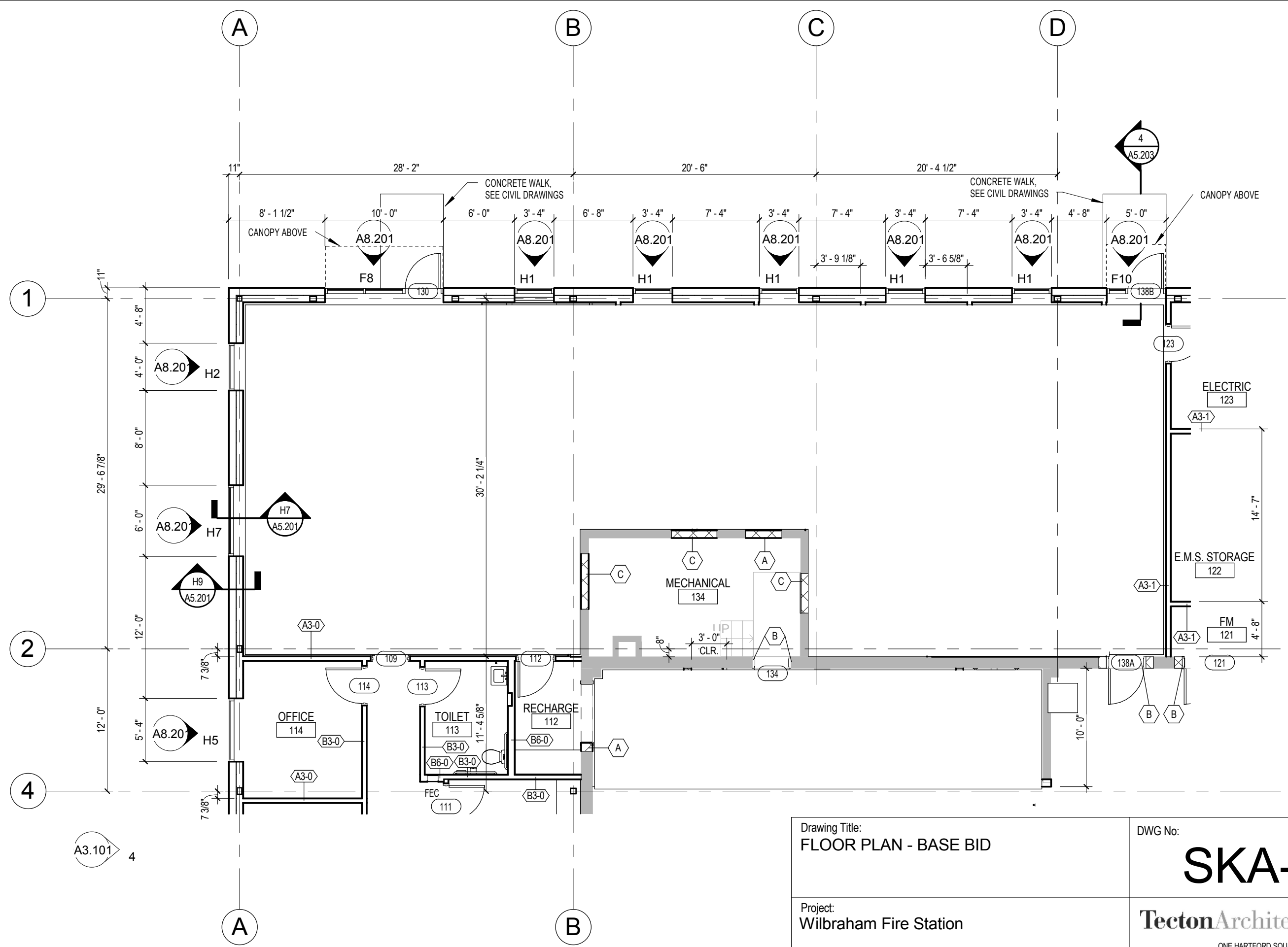
SK-P6 First Floor Demolition Plan - Plumbing

END OF ADDENDUM NO. 2



1 ROOF PLAN
1/16" = 1'-0"

Drawing Title: ROOF PLAN - REVISION 1	DWG No: <h1>SKA-1</h1>	Date: 02/09/12
		Scale: 1/16" = 1'-0"
Project: Wilbraham Fire Station 2770 Boston Road Wilbraham, MA	TectonArchitects inc <small>ONE HARTFORD SQUARE WEST HARTFORD CONNECTICUT TEL: 860-548-0802 FAX: 860-249-2531</small>	Job No: WBR-01-AR
		Revised:



Drawing Title:
FLOOR PLAN - BASE BID

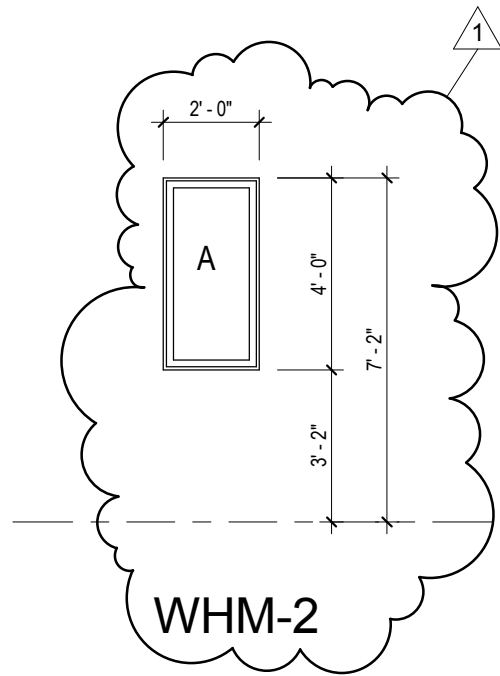
DWG No:
SKA-2

Date: 02/09/12
 Scale: 1/8" = 1'-0"
 Job No: WBR-01-AR

Project:
Wilbraham Fire Station
 2770 Boston Road
 Wilbraham, MA

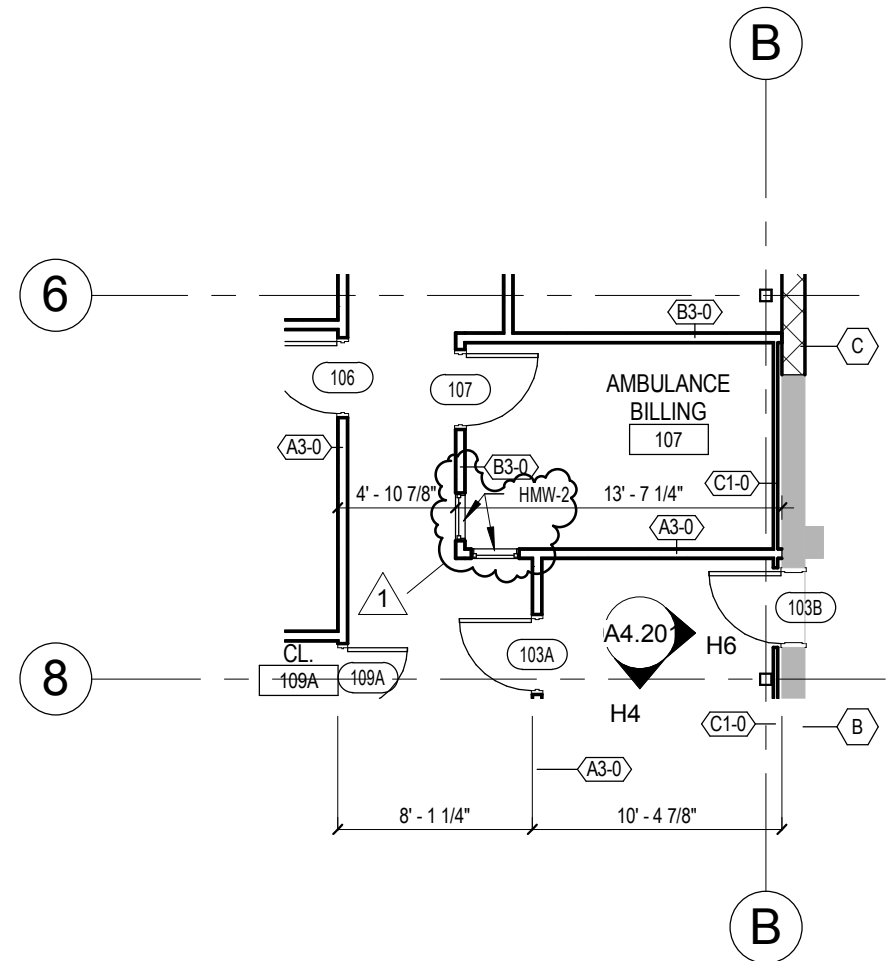
TectonArchitects inc
 ONE HARTFORD SQUARE WEST
 HARTFORD CONNECTICUT
 TEL: 860-548-0802
 FAX: 860-249-2531

Revised:



HOLLOW METAL FRAME ELEVATIONS

NOTE:
 A, B, C - GLASS TYPE
 SYMBOL, REFER TO
 SPECIFICATIONS



1

PARTIAL 1ST FLOOR PLAN

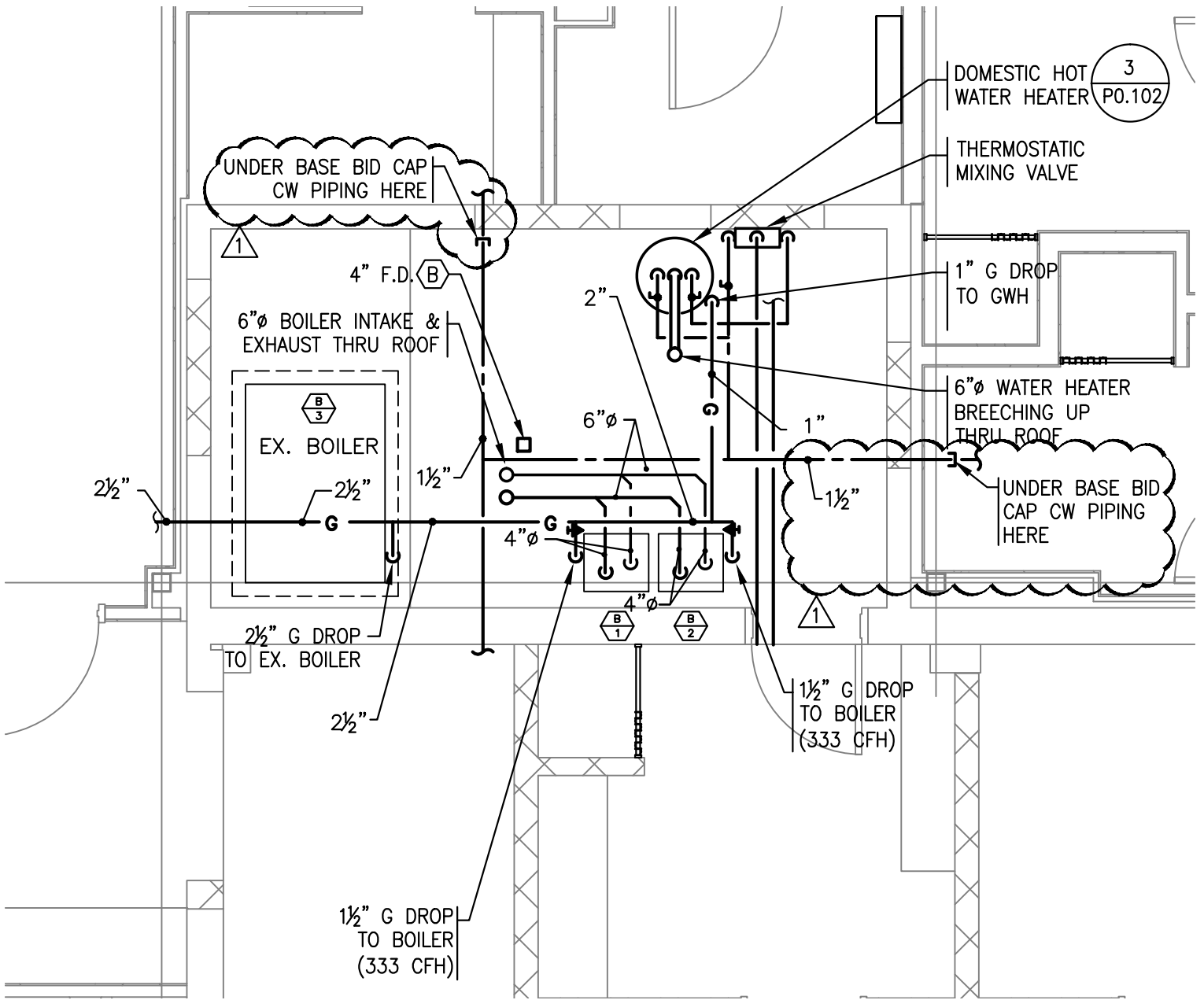
1/8" = 1'-0"

Drawing Title: HOLLOW METAL WINDOW FRAME	DWG No: <h1>SKA-3</h1>	Date: 02/09/12
		Scale: As indicated
Project: Wilbraham Fire Station 2770 Boston Road Wilbraham, MA	TectonArchitects inc ONE HARTFORD SQUARE WEST HARTFORD CONNECTICUT TEL: 860-548-0802 FAX: 860-249-2531	Job No: WBR-01-AR
		Revised:

PIPE SIZE TO FIXTURE SCHEDULE						
P. NO.	FIXTURE	S/W	VENT	CW	HW	REMARKS
P-1	WATER CLOSET, ACCESSIBLE	4"	2"	1 1/4" *		**SUPPLY RISER & AIR CHAMBER 1" STUBOUT TO FLUSH VALVE
P-2	URINAL	3"	2"	1" **		**SUPPLY RISER & AIR CHAMBER 3/4" STUBOUT TO FLUSH VALVE
P-3	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	
P-4	MOP RECEPTOR	3"	2"	1/2"	1/2"	
P-5	KITCHEN SINK	2"	2"	1/2"	1/2"	
P-6	SHOWER	2"	2"	1/2"	1/2"	
P-7	DECON SINK	2"	2"	1/2"	1/2"	
P-8	DECON SHOWER	2"	2"	1/2"	1/2"	
P-9	CLOTHES WASHER	1-1/2"	1-1/2"	1/2"	1/2"	
P-10	WATER COOLER	1-1/2"	1-1/2"	1/2"	1/2"	

REF. DWG. P0.101

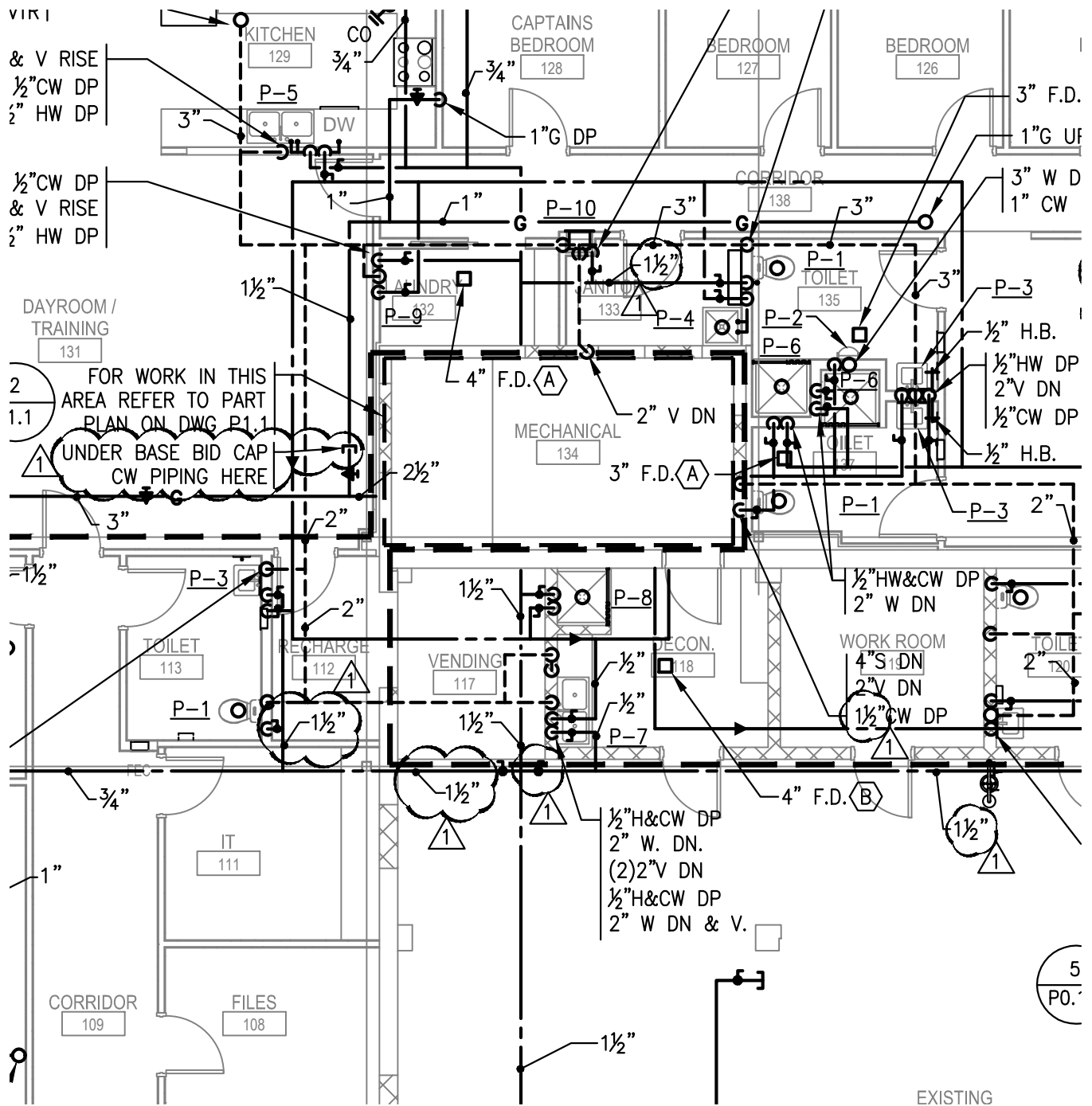
DRAWING TITLE: Legend, Notes & Details Plumbing	DWG. NO:	DATE: 02-03-2012
	SK-P1	SCALE: NTS
		JOB NO: TA-01-01
PROJECT: Wilbraham Fire Statikon 240 Springfield Street Wilbraham, Ma	TectonArchitects inc ONE HARTFORD SQUARE WEST HARTFORD CONNECTICUT TEL 860 548 0602 FAX 860 249 2531 www.tectonarchitects.com	REVISED:



2 **FIRST FLOOR MECHANICAL ROOM**
P1.101 **ENLARGED PLAN — PLUMBING**
 SCALE: 1/8" = 1'-0" 1
(BASE BID)

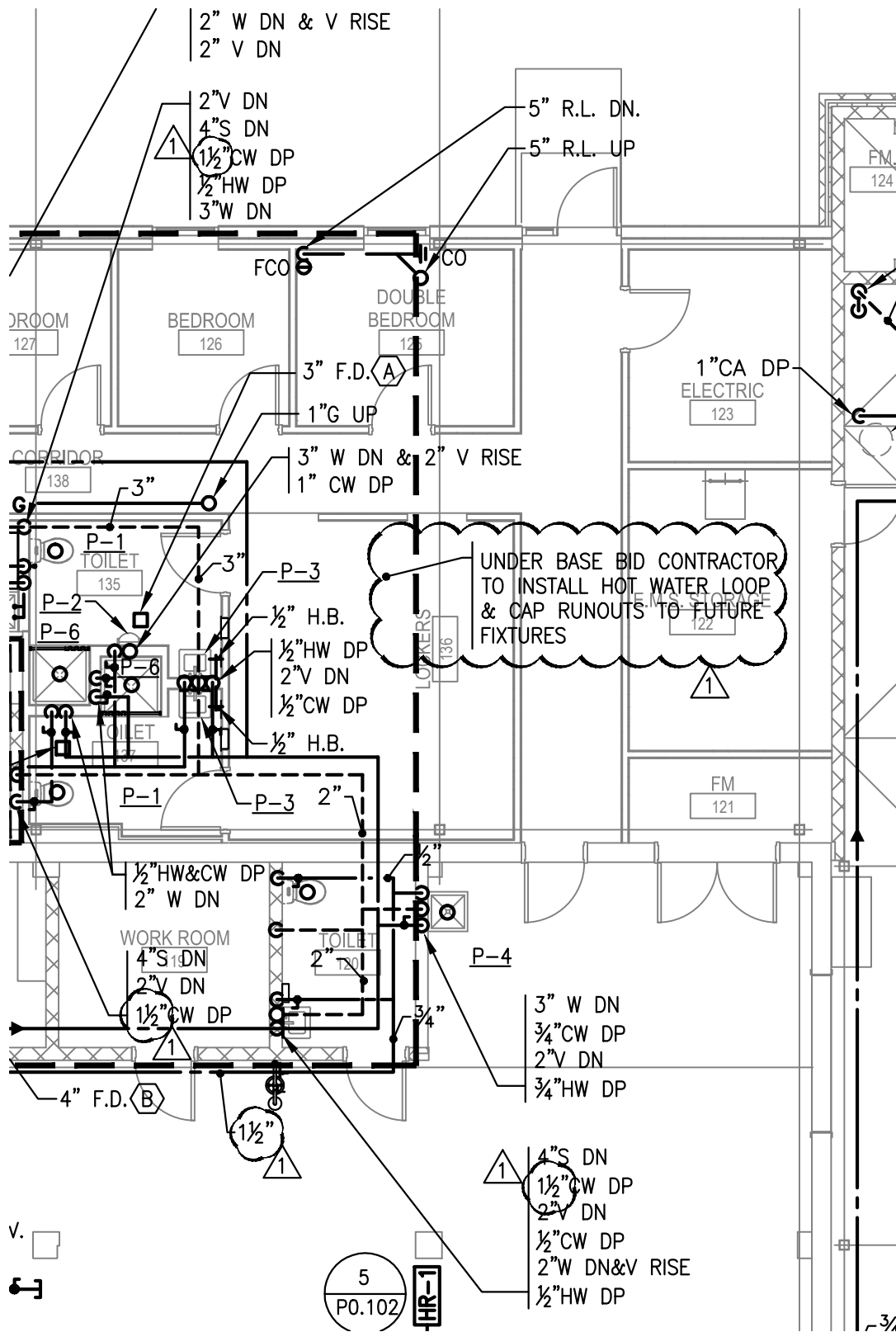
REF. DWG. P1.101

DRAWING TITLE: First Floor Plumbing Plan	DWG. NO: <h2 style="text-align: center;">SK-P2</h2>	DATE: 02-03-2012
		SCALE: 1/8"=1'-0"
		JOB NO: TA-01-01
PROJECT: Wilbraham Fire Statikon 240 Springfield Street Wilbraham, Ma	TectonArchitects inc <small> ONE HARTFORD SQUARE WEST HARTFORD CONNECTICUT TEL 860 548 0802 FAX 860 240 2531 www.tectonarchitects.com </small>	REVISED:



REF. DWG. P1.101

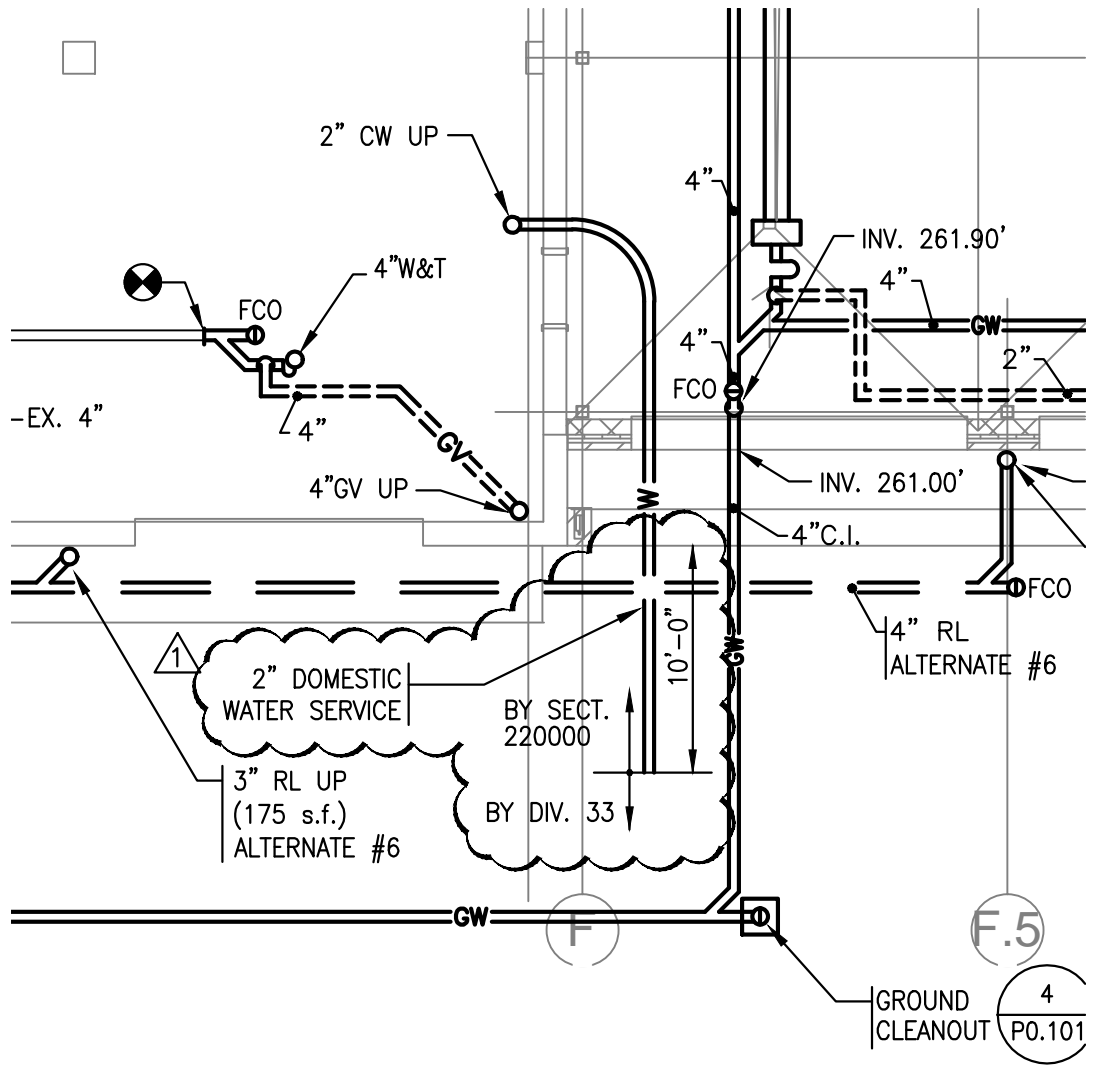
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		JOB NO: TA-01-01
PROJECT: Wilbraham Fire Statikon 240 Springfield Street Wilbraham, Ma	TectonArchitects inc <small>ONE HARTFORD SQUARE WEST HARTFORD CONNECTICUT TEL 860 548 0602 FAX 860 249 2531 www.tectonarchitects.com</small>	REVISED:



UNDER BASE BID CONTRACTOR
TO INSTALL HOT WATER LOOP
& CAP RUNOUTS TO FUTURE
FIXTURES

REF. DWG. P1.101

DRAWING TITLE: First Floor Plumbing Plan	DWG. NO:	DATE: 02-03-2012
	<h1>SK-P4</h1>	SCALE: NTS
		JOB NO: TA-01-01
PROJECT: Wilbraham Fire Statikon 240 Springfield Street Wilbraham, Ma	TectonArchitects inc ONE HARTFORD SQUARE WEST HARTFORD CONNECTICUT TEL 860 548 0602 FAX 860 249 2531 www.tectonarchitects.com	REVISED:

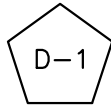


REF. DWG. P1.100

DRAWING TITLE: Below Slab Plan Plumbing	DWG. NO: <h1 style="text-align: center;">SK-P5</h1>	DATE: 02-03-2012
		SCALE: 1/8"=1'-0"
		JOB NO: TA-01-01
PROJECT: Wilbraham Fire Statikon 240 Springfield Street Wilbraham, Ma	TectonArchitects inc <small>ONE HARTFORD SQUARE WEST HARTFORD CONNECTICUT TEL 860 548 0602 FAX 860 240 2531 www.tectonarchitects.com</small>	REVISED:

DEMOLITION KEY NOTES:

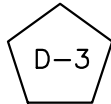
1



DEMOLISH EXISTING PLUMBING FIXTURES & CARRIERS.
DEMOLISH ALL WATER SUPPLY PIPING & WASTE AND
VENT IN IT'S ENTIRETY



DEMOLISH EXISTING SINK. DEMOLISH WATER & WASTE
IN IT'S ENTIRETY.



DEMOLISH EXISTING PROPANE GAS RANGE, DEMOLISH
PROPANE PIPING.



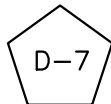
CAP EXISTING WATER SERVICE AT OUTSIDE OF BUILDING
FOUNDATION. DEMOLISH EX. WATER METERS.



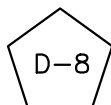
DEMOLISH EXISTING ELECTRIC WATER HEATER.
DEMOLISH EXISTING WATER IN IT'S ENTIRETY



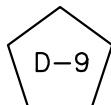
DEMOLISH EXISTING WALL HYDRANT/HOSE BIBB.



DEMOLISH EXISTING FLOOR DRAIN



DEMOLISH EXISTING GAS REGULATOR



DEMOLISH EXISTING DRYER

REF. DWG. PD1.101

DRAWING TITLE:	First Floor Demolition Plan Plumbing	DWG. NO: SK-P6	DATE: 02-03-2012
			SCALE: NTS
			JOB NO: TA-01-01
PROJECT:	Wilbraham Fire Statikon 240 Springfield Street Wilbraham, Ma	TectonArchitects inc <small>ONE HARTFORD SQUARE WEST HARTFORD CONNECTICUT TEL 860 548 0602 FAX 860 240 2531 www.tectonarchitects.com</small>	REVISED: