ADDENDUM NO. 2

The Architect/ Engineer issues this addendum, applicable to the above named project, to all known Contractors before receipt of proposal.

This addendum includes Item Number 2-1 thru 2-28. This addendum item shall be fully incorporated into the Bidding/Contract Documents and have the same force and effect as though originally included.

The Bidder shall acknowledge receipt of this Addendum No. 2 on the Bid Proposal Form in the place provided.

GENERAL

Item 2-1: Lab Casework and Equipment

1. The lab casework should have all stainless steel wire pulls per sheet LF0.11. Specifications will be updated with stainless steel wire pulls.
2. The reagent rack vertical support is painted metal
3. Reference air, gas, vac schedule on sheet P6.02 for valve types.
4. The electrical drawings call out electrical raceways surface mounted on reagent shelving among other locations. GC to provide information on what subcontractor is to provide.
5. Prefabricated Environmental Room:
    a. The condensing units to be air- cooled.
    b. Cold room B120 & Freezer room B113 will have their condensing unit located on the roof of IAB. The other cold room & freezer rooms will have their condensing units mounted on top of the chambers.
    c. Freezer room B108A is 10'-8" W x 10'-6" D & Cold Room B108B is 10'-8" W x 10'-11" D.
    d. There aren't any receptacles located in the environmental rooms.

Item 2-2: Furnishings

1. The lockers in rooms B114C and B115C (Shower area for Pilot Plant) will be deleted from the project. This will include the lockers and the tiled built-in bases they sit on. Remove the tiled base including the solid surface seat, plywood and cement backer boards, and mtl. stud framing. The tile floor will extend to the walls.
2. All white boards and tack boards currently shown on the project will be deleted.
3. The location of the roller shade is shown on sheet A1.24 and is located in Room B203.

Item 2-3: Revise Addendum 1 item 1-11 as follows: Floor elevation '+12 to +12 3/4" 'shall be revised to +12" to +13 ½".

SPECIFICATIONS

Item 2-4: Section 01 23 00 – ALTERNATES

Refer to paragraph 3.1.A.2. Add ceiling location 'APC-3' as a deduct alternate.

Refer to paragraph 3.1 Schedule of Alternates. Add sub paragraph D & E as follows:

D. Alternate No. 4: Graduate Office casework

1. Base Bid: Graduate Office Casework as shown in Construction Documents.

2. Alternate: Provide deduct alternate to remove all Graduate Office casework including base cabinets, upper cabinets and countertops. This will include the aforementioned items in the following rooms: A110, A204, A207, A209, A215, A216, A217, A220, A303, A304, A307, A311, A312 and A315.

E. Alternate No. 5: Tall Storage Cabinets

1. Base Bid: Tall Storage Cabinets as shown in Construction Documents.

2. Alternate: Provide deduct alternate to remove all Tall Storage Cabinets in the Construction Documents set. The drawings include two types of construction for the tall storage cabinets, Most are finished wood to be supplied by the laboratory casework manufacturer and are located in laboratories, laboratory alcoves and in a few locations in the corridors serving labs. There are roughly 95 cabinets of this type currently shown in the project in varying widths. There are also four (4) additional tall storage cabinets shown in room A102C which are to be P.Lam clad millwork.

Item 2-5: Section 08 71 00 - DOOR HARDWARE

Refer to sub paragraph 2.3.B. Add '(DG2)' after 'Sargent Degree'.

Item 2-6: Section 10 50 00 – PHENOLIC LOCKERS

Remove section in its entirety.

Item 2-7: Section 10 11 00 - VISUAL DISPLAY SURFACES

Remove section in its entirety.

Item 2-8: Section 11 53 13 – LABORATORY FUME HOODS

Refer to sub paragraph 2.1.A. Add Jamestown Metal, Jamestown, NY as an approved equal.

Item 2-9: Section 12 35 53 – METAL LABORATORY CASEWORK

Refer to sub paragraph 2.1.A. Add Jamestown Metal, Jamestown, NY, as an approved equal.

Refer to sub paragraph 2.7.C. & 2.7.D. Hinged Door, Drawer Pulls, and sliding door pulls shall be stainless steel.

Item 2-10: Section 12 35 54 – WOOD LABORATORY CASEWORK

Refer to sub paragraph 2.1.A. Add CiF Lab Solutions, Vaughan, ON Canada, as an approved equal.

Refer to sub paragraph 2.9.C. & 2.9.D. Hinged Door, Drawer Pulls, and sliding door pulls shall be stainless steel.

Item 2-11: Section 12 64 00 - FIXED LECTURE HALL TABLES

Refer to sub paragraph 2.3.A. Sedia Systems, Chicago, IL, M50 Series, is added as a manufacturer subject to compliance with all specified requirements.

Refer to sub paragraph 2.3.E. Add sub paragraph as follows:

4. Provide manufacturer's standard pop up power and data source on table top.

Item 2-12: Section 13 21 00 – Prefabricated Environmental Rooms

Refer to sub paragraph 2.1.A. Add the following sub paragraph:

5. CANTROL Environmental Systems Ltd., Markham, ON

Item 2-13: Section 22 10 00 – PLUMBING PIPING

Refer to sub paragraph 2.7.A.2. Remove "Grade 95TA" from solder description.

Refer to sub paragraph 2.8. Type K Copper tubing may be allowed for underground natural gas installations only and shall be similar to section 2.6.A. ASME B16.26 / SAE J513 flare fittings may be used for these applications as well.

DRAWINGS

ARCHITECTURE

Item 2-14: All Sheets including but not limited to:
A1-15 - First Floor Plan - Area C
A1-16 - First Floor Reflected Ceiling Plan - Area C
LF1-17 – Enlarged Pilot Plant Floor Plan & Elevations

Refer to Room C105, FPC Innovation Space. Remove the note, "All work associated with FPC Innovation Space C105 shall not be included in the bid for this project.", and the hatch in this room. All work shall be bid in this Room.

Item 2-15: A6.32 – Distance Learning Classroom Plan, Elevations, & Details

Refer to revised sheet for updated table dimensions, upper floor height, and updated details.

Item 2-16: LF0.10 – Laboratory Furnishings Schedules, Sections, & Details.

Refer to Cold Room & Freezer Room Schedule. Cold Room B108B is 10'-8" W x 10'-11" D & Freezer room B108A is 10'-8" W x 10'-6" D.

FINISH

Item 2-17: F1.12 – First Floor Area C - Finishes

Refer to Room C105, FPC Innovation Space. Remove the note, “All work associated with FPC Innovation Space C105 shall not be included in the bid for this project.”, and the hatch in this room. All work shall be bid in this Room.

MECHANICAL

Item 2-18: All Sheets

Room C105, FPC Innovation Space, shall be fit-out as shown in bid set drawings (similar to other plant spaces). Disregard note and dashed line that indicate to eliminate from bid.

Item 2-19: M4.03 – Mechanical Details

Refer to revised sheet M4.04. See added detail 9 - Kitchen Exhaust Fan for installation information for grease duct termination/fans.

PLUMBING

Item 2-20: All Sheets

Room C105, FPC Innovation Space, shall be fit-out as shown in bid set drawings (similar to other plant spaces). Disregard note and dashed line that indicate to eliminate from bid.

Item 2-21: P1.05 - P1.08 – Below Floor Plumbing Plans

Refer to revised below floor plumbing plans. All floor drains, floor sinks, and other sinks in the plant spaces (rooms B107, B108, C101, C102, C104, and C105) shall be served with polypropylene (PP) waste piping. It is denoted as AW on plan. Piping below grade may be non-fire-rated pipe, but must transition to fire-rated at the floor.

For venting of these fixtures, cast iron may be provided above the rim level of the fixture, and is denoted as normal “vent” on plan. For combination waste/vent lines, cast iron may be run in the wall for the venting, above the floor level.

Refer to forthcoming proposal request to change the existing sanitary main into PP. However, several existing and new branches serving other fixtures with cast iron (sanitary) waste will be tapped off this existing main. Provide PP tees and transition to cast iron for each branch. PVC is allowed as an alternative for sanitary piping below grade as well, provided the waste stream is 120 degrees or less.

The forthcoming proposal request will detail the transition from PP to cast iron on the exterior of the building.

Item 2-22: P1.01 - P1.30 – Plumbing Plans

Refer to Key Note #1 on above grade plans. LHW shall not be required for CS-1 fixtures.

All underfloor piping called out to be run in a 4” PVC pipe may be ganged together provided proper clearance for insulation and workability is maintained. (2) PVC pipes may be run to accommodate piping runs. Ensure PVC is open at both ends for accessibility.

The minimum size for all waste and vent systems shall be 1-1/2".

Install all island waste and vent per the detail on sheet P4.01. The plans and risers are drawn schematically and do not indicate exact routing requirements.

Item 2-23: P6.01 – Plumbing Schedules

Add BFP-8 to the Plumbing Fixture Schedule. The backflow preventer shall be installed on all ice makers served by domestic water. Install BFP downstream of wall box in the space. Stub out with ball valve, then the backflow, and cap. Coordinate installation height with tenant-provided equipment and manufacturer data. BFP-8 shall be as follows:

"WATTS MODEL SD-2 OR EQUIVALENT, DUAL CHECK, CERTIFIED TO ANSI/NSF STANDARD 18, 316 STAINLESS STEEL BODY, ALL RUBBER COMPONENTS, COMPLY WITH FDA FOOD ADDITIVE REGULATIONS, ALL MATERIALS IN CONTACT WITH THE POTABLE WATER ARE IN COMPLIANCE WITH THE REQUIREMENTS OF THE SAFE DRINKING WATER ACT, PUBLIC LAW 93-523, NATIONAL INTERIM PRIMARY DRINKING WATER REGULATIONS."

ELECTRICAL

Item 2-24: E1.1.3 - First Floor Lighting Plan - Area C

Remove key note #8 and dashed line around FPC Innovation Space C105, FPC Innovation Space C105 shall be part of bid.

Item 2-25: E2.1.9 - First Floor Power & Auxiliary Systems Plan - Area C2

Remove key note #19 and dashed line around FPC Innovation Space C105, FPC Innovation Space C105 shall be part of bid.

Item 2-26: E2.2.6 - Second Floor Power & Auxiliary Systems Plan - Area B3

Reference Distance Learning Classroom C212. Adjust placement of table mounted receptacles so that each receptacle is centered between each pair of chairs. In addition, locate all microphone conduit stub ups in table legs. Reference the architectural plans for additional information.

Item 2-27: E2.2.8 - Second Floor Power & Auxiliary Systems Plan - Area C1

Reference Distance Learning Classroom C212. Adjust placement of table mounted receptacles so that each receptacle is centered between each pair of chairs. In addition, locate all microphone conduit stub ups in table legs. Reference the architectural plans for additional information.

Item 2-28: E4.01 – Electrical Schedules

Refer to the lighting fixture schedule. The following remark was added to fixture 'H':

"Orient fixture so that center channel of lens runs perpendicular to the hallway's path of travel."

The following fixtures have been added to the schedule:

Type	Manufacturer	Catalog Number
A	LITHONIA	EJS-2-32-MVOLT
B	CORELITE	J2-W-M-3-T8-UNV-A-C-XX-W
C	PINNACLE	CJ14A-3T5-UNV-W
C	CORELITE	Z3-W-N-3-T5-UNV-14
EXIT	LITHONIA	LQM-S-W-R-120/277-ELN-SD
EXIT	DUAL LITE	LX-U-R-W-E-I
EXIT-WP	DUAL LITE	SEWL-R-W-E-4X
EXIT-WP	LITHONIA	LV-S-W-R-120/277-ELN-SD
G	LITHONIA	AF10-2-32-MVOLT
H	NEO-RAY	282-R-2-T5HO-U-95HT
H	FOCAL POINT	FVR-22-ACG-2-T5HO-UNV-WH
K	LITHONIA	2SP8-3-32-FW-A1212-MVOLT
K	METALUX	2-C8-FA-3-32-A125-UNV
P	PINNACLE	CJ14L-2T8-UNV-W
Q	LITHONIA	SP8-3-32-A12125-MVOLT
R	FAIL-SAFE	CRG-24-324T5-UNV-IK12
S	GOTHAM	EVO-35/10-4AR-277-IP66
S	INTENSE	SS4G2-1500-358-IC432-C-SF-SB
T	PINNACLE	E4P-2T8-XX-277-W
U	METALUX	SSL-1-(17 OR 32)-UNV
Y	TECH LIGHTING	E3R-RF-LH835-4-D-N-010-277-E3R-RL-F-0-S
Z	WINONA	MLSRU-MS-148T5HO-277-P1-SGW
Z	ARCH. LTG WORKS	LPLWWT-4'-FHO-UNV-WH
AA	NEO-RAY	7VC-R-14-1-T5HO-U-DB
BB	FAIL-SAFE	CRG-24-332-UNV-IK12
DD	LITHONIA	2SP5-3-24T5HO-FW-A12125-MVOLT
DD	METALUX	2-R5-3-24T5-A125-UNV
FF	FAIL-SAFE	CRG-24-432-UNV-IK12
HH	PINNACLE	E4A-2T8-CONT-277-W
KK	PINNACLE	ET6P-2T8-6-277-W
LL	LITHONIA	2UC-1-T8-MVOLT

The following light fixtures have been modified:

Type	Manufacturer	Catalog Number
C	LITE CONTROL	D-LHE14-3-**T5**-HE-CWM-HPR-277

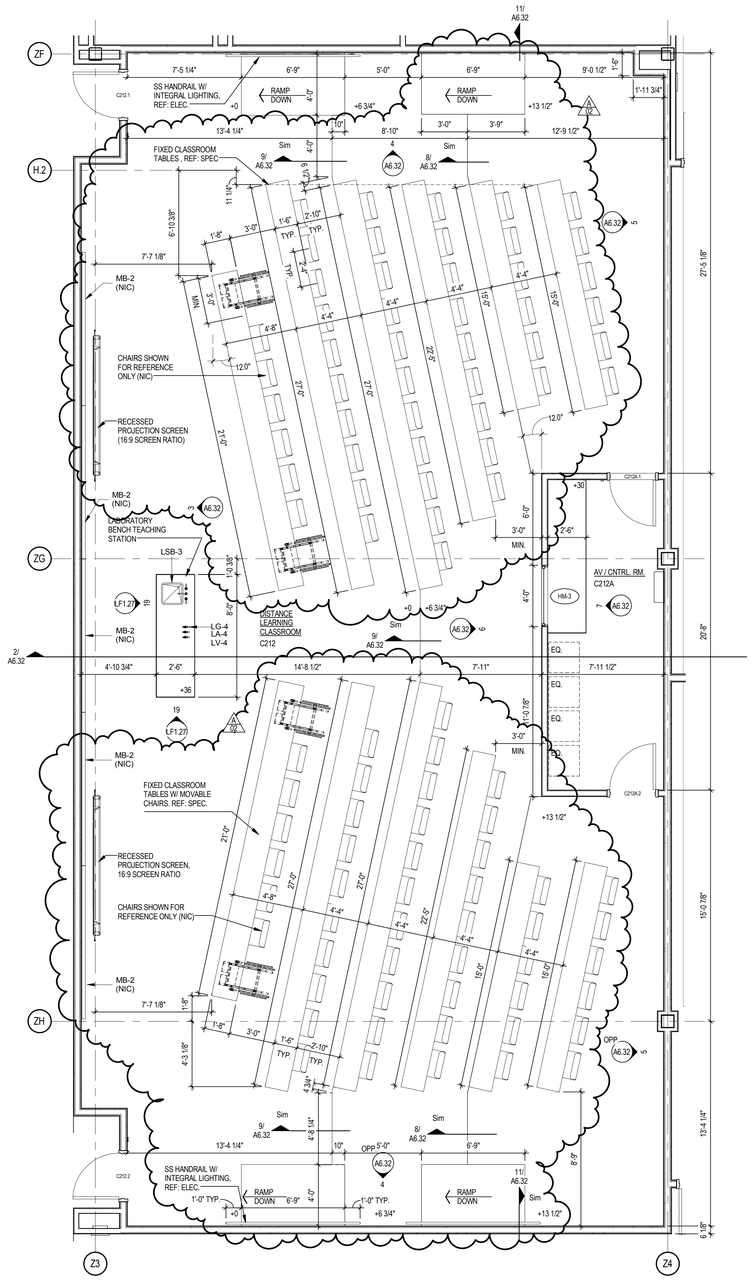
The following light fixtures have been removed:

Type	Manufacturer	Catalog Number
V	KURT VERSEN	A1035-10-35-27

Attachments: **A6.32, M4.03, P1.05. P1.06, P1.07, P1.08**

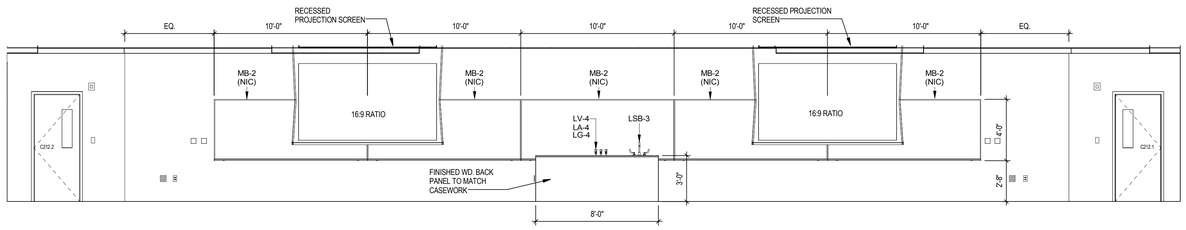
END OF ADDENDUM NO. 2

The Clark Enersen Partners



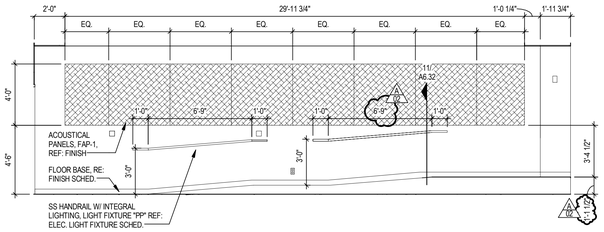
1 DISTANCE LEARNING CLASSROOM

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



3 DISANCE LEARNING CLASSROOM ELEVATION

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



4 DISTANCE LEARNING CLASSROOM ELEVATION

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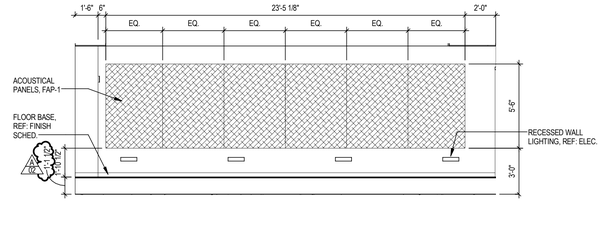
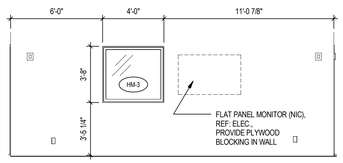


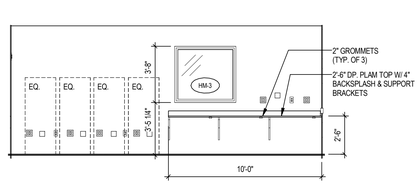
5 DISTANCE LEARNING CLASSROOM ELEVATION

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



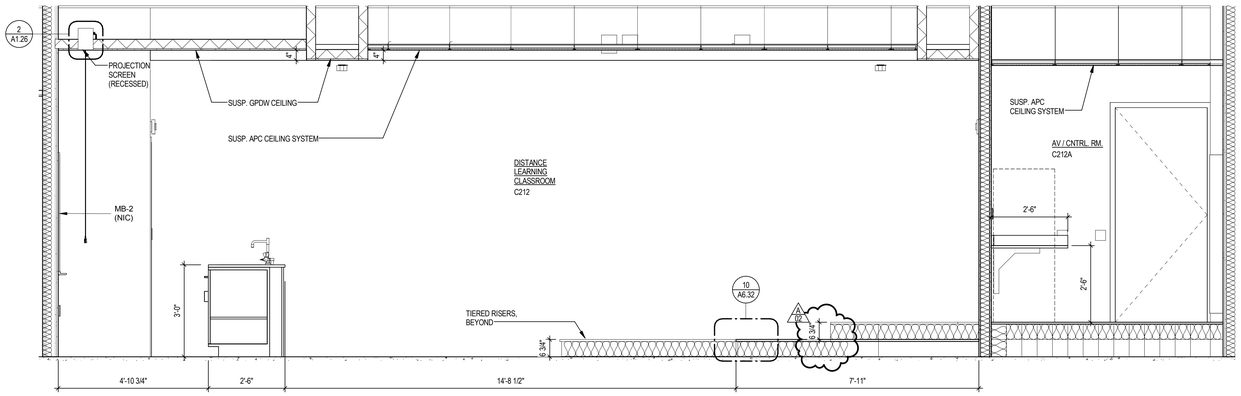
6 DISTANCE LEARNING CLASSROOM ELEV.

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



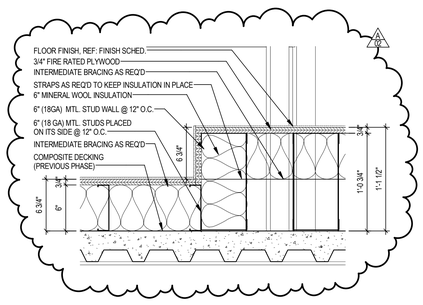
7 CONTROL ROOM ELEV.

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



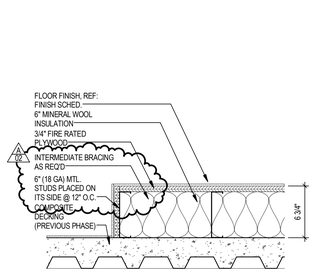
2 DISTANCE LEARNING CLASSROOM SECTION

SCALE: 1/2" = 1'-0"



8 FLOOR RISER DETAIL

SCALE: 1 1/2" = 1'-0"



9 FLOOR RISER DETAIL

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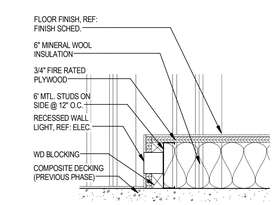

10 RISER LIGHTING DETAIL

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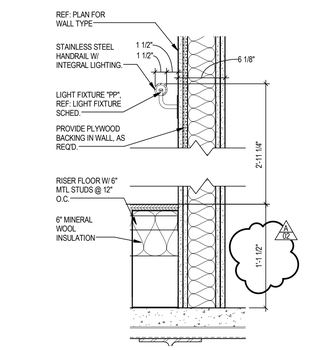

11 HANDRAIL DETAIL

SCALE: 1 1/2" = 1'-0"

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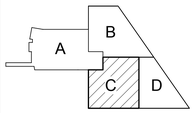
SHEET HISTORY:

ISSUED	07/15/2014	AS PER CONSTRUCTION DOCUMENTS
A - 02	07/29/2014	ADDENDUM #2



Key Plan

Life Science Collaboration
UNL Food Science and Technology

1910 N Antelope Valley Parkway
Lincoln, Nebraska

TCEP No.: 716-006-13

July 15, 2014

Distance Learning Classroom Plan, Elevations & Details

A6.32

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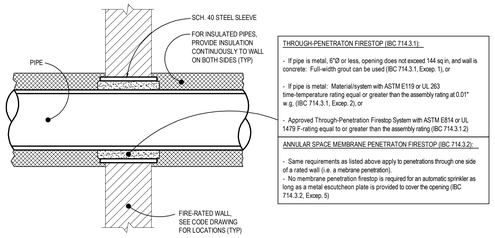
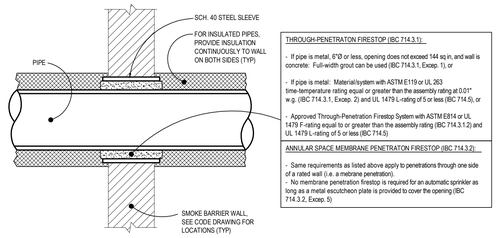
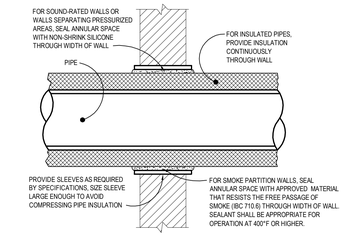


FIRE-RATED WALL



SMOKE BARRIER WALL



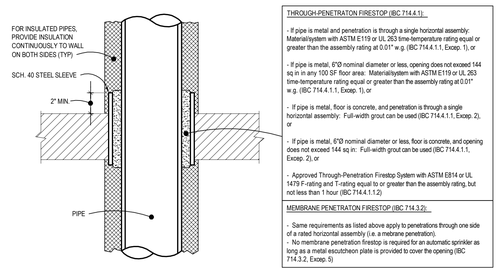
NON-RATED WALL

1 RATED WALL PIPE PENETRATIONS

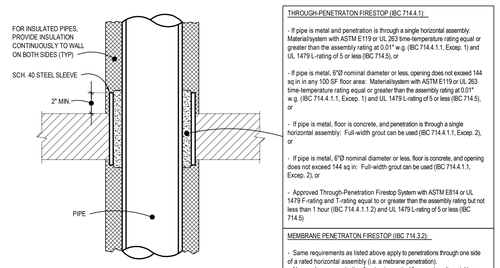
NO SCALE

2 NON-RATED WALL PIPE PENETRATIONS

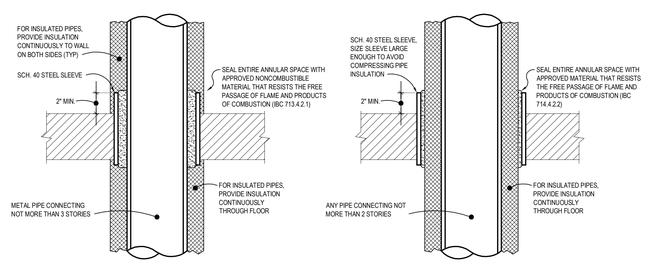
NO SCALE



FIRE-RATED HORIZONTAL ASSEMBLY



SMOKE BARRIER HORIZONTAL ASSEMBLY



NON-RATED HORIZONTAL ASSEMBLY

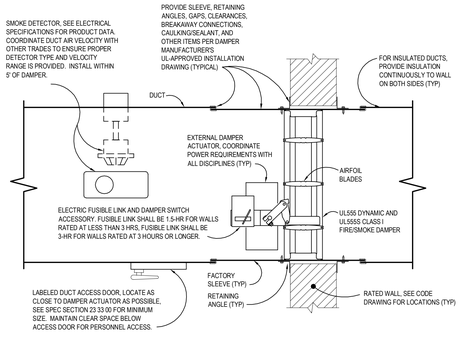
NON-RATED HORIZONTAL ASSEMBLY

3 RATED HORIZONTAL ASSEMBLY PIPE PENETRATIONS

NO SCALE

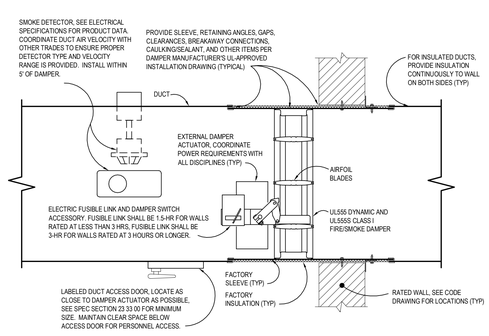
4 NON-RATED HORIZONTAL ASSEMBLY PIPE PENETRATIONS

NO SCALE



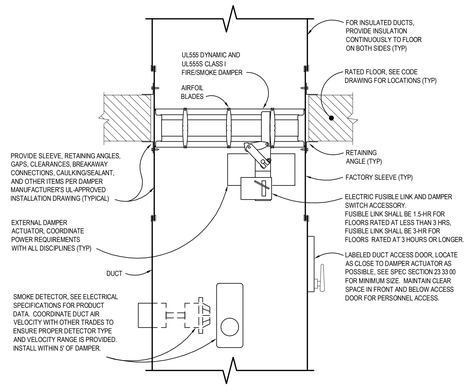
5 FIRE/SMOKE DAMPER (WALL) DETAIL

NO SCALE



6 FIRE/SMOKE DAMPER (OUT OF WALL) DETAIL

NO SCALE



7 FIRE/SMOKE DAMPER (FLOOR) DETAIL

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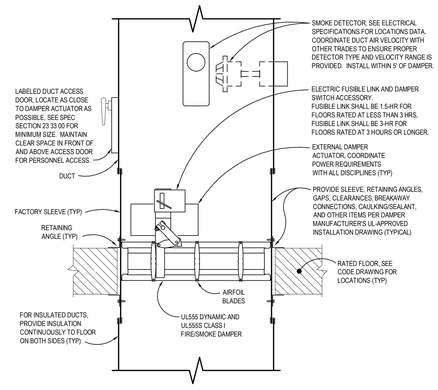

8 FIRE/SMOKE DAMPER (FLOOR) DETAIL

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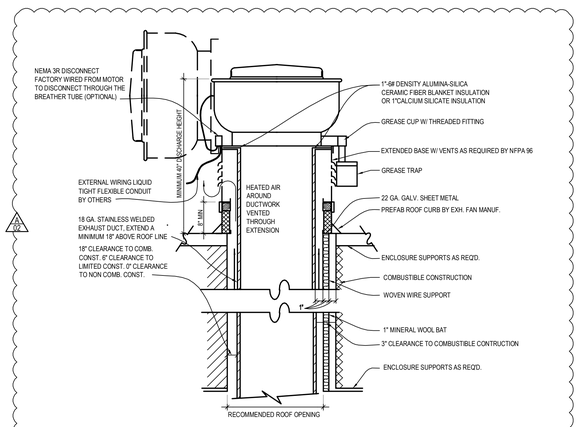

9 KITCHEN EXHAUST FAN

NO SCALE

DESIGNER NOTES:

1. REFER TO NFPA STANDARD 96 FOR ALTERNATIVE DUCT ENCLOSURE METHODS AND ADDITIONAL REQUIREMENTS.
2. CONTRACTOR TO PROVIDE WATER-TIGHT SEAL BETWEEN FAN AND CURB.
3. CLEARANCE REQUIRED DEPENDS ON TYPE OF CONSTRUCTION (I.E., COMBUSTIBLE).

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Kansas City, Missouri
Fairway, Kansas

SHEET HISTORY:

ISSUED	07/15/2014	AS PER CONSTRUCTION DOCUMENTS
A - 02	07/29/2014	ADDENDUM #2

Life Science Collaboration
UNL Food Science and Technology

1910 N Antelope Valley Parkway
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TCEP No.: 716-006-13

July 15, 2014

Mechanical Details

M4.03

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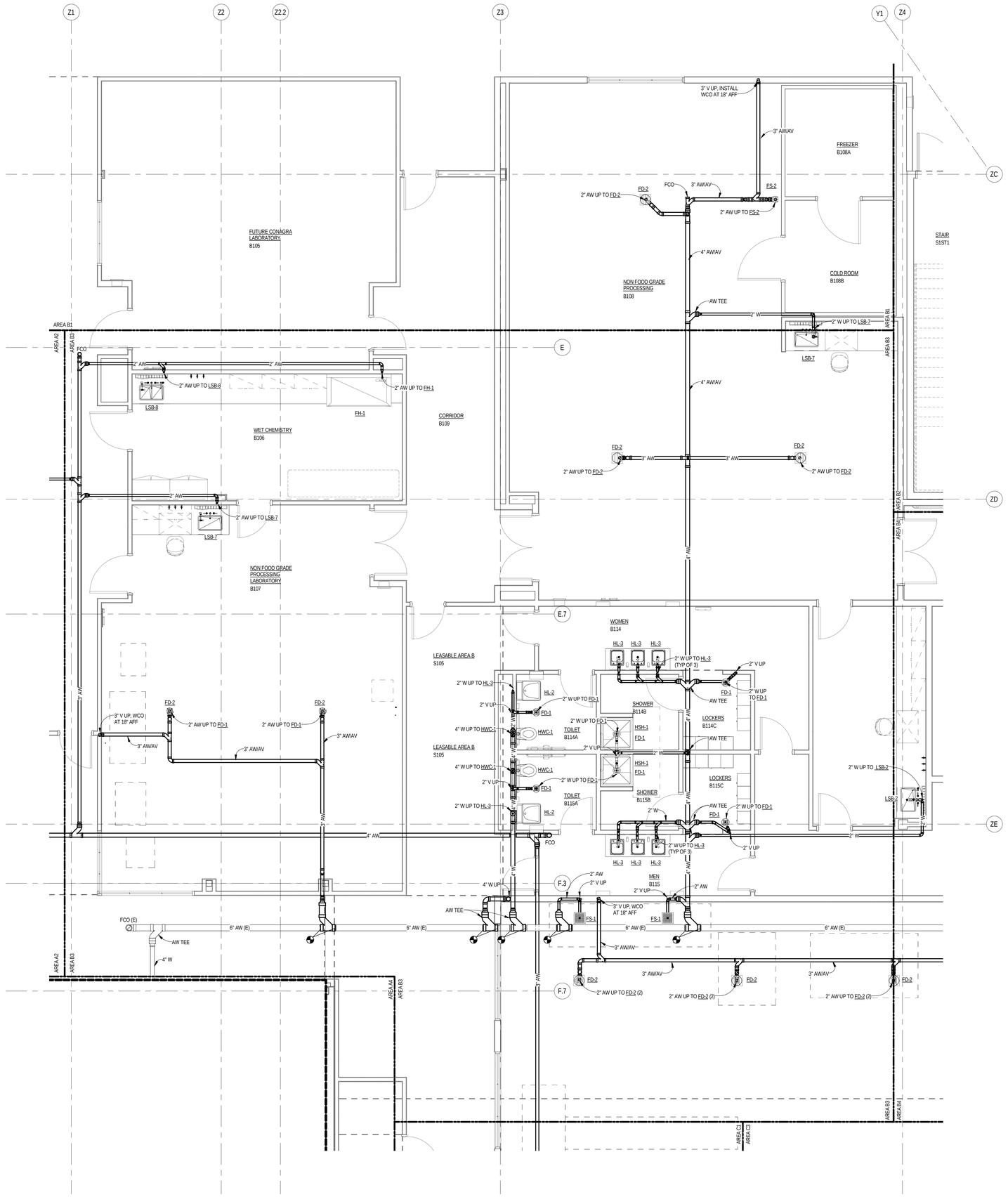

BELOW FLOOR PLUMBING PLAN - AREA B3

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

GENERAL NOTES:

1. REFER TO ISLAND VENT DETAIL ON PLUMBING DETAILS SHEET FOR PROPER VENTING OF CUP SINKS AND OTHER ISLAND PLUMBING FIXTURES.

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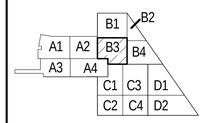
A - 02	7/29/2014	Addendum #2



Key Plan

Life Science Collaboration
UNL Food Science and Technology

1910 N Antelope Valley Parkway
Lincoln, Nebraska

TCEP No.: 716-006-13

July 15, 2014

Below Floor Plumbing Plan - Area B3

P1.05

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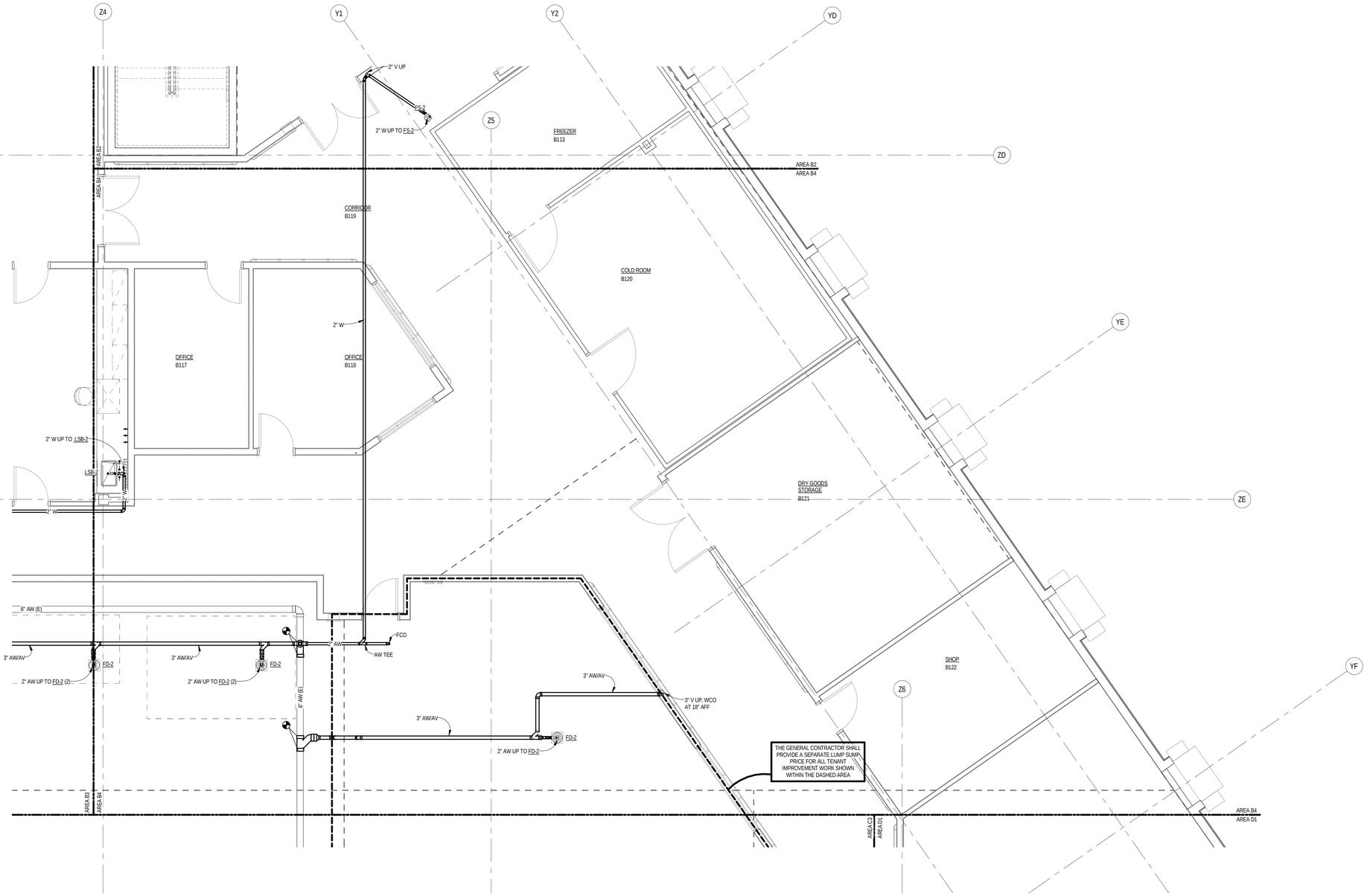

BELOW FLOOR PLUMBING PLAN - AREA B4

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

GENERAL NOTES:

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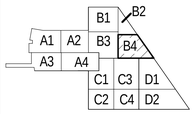

Key Plan

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Lincoln, Nebraska

TCEP No.: 716-006-13

July 15, 2014

Below Floor Plumbing Plan - Area B4

P1.06

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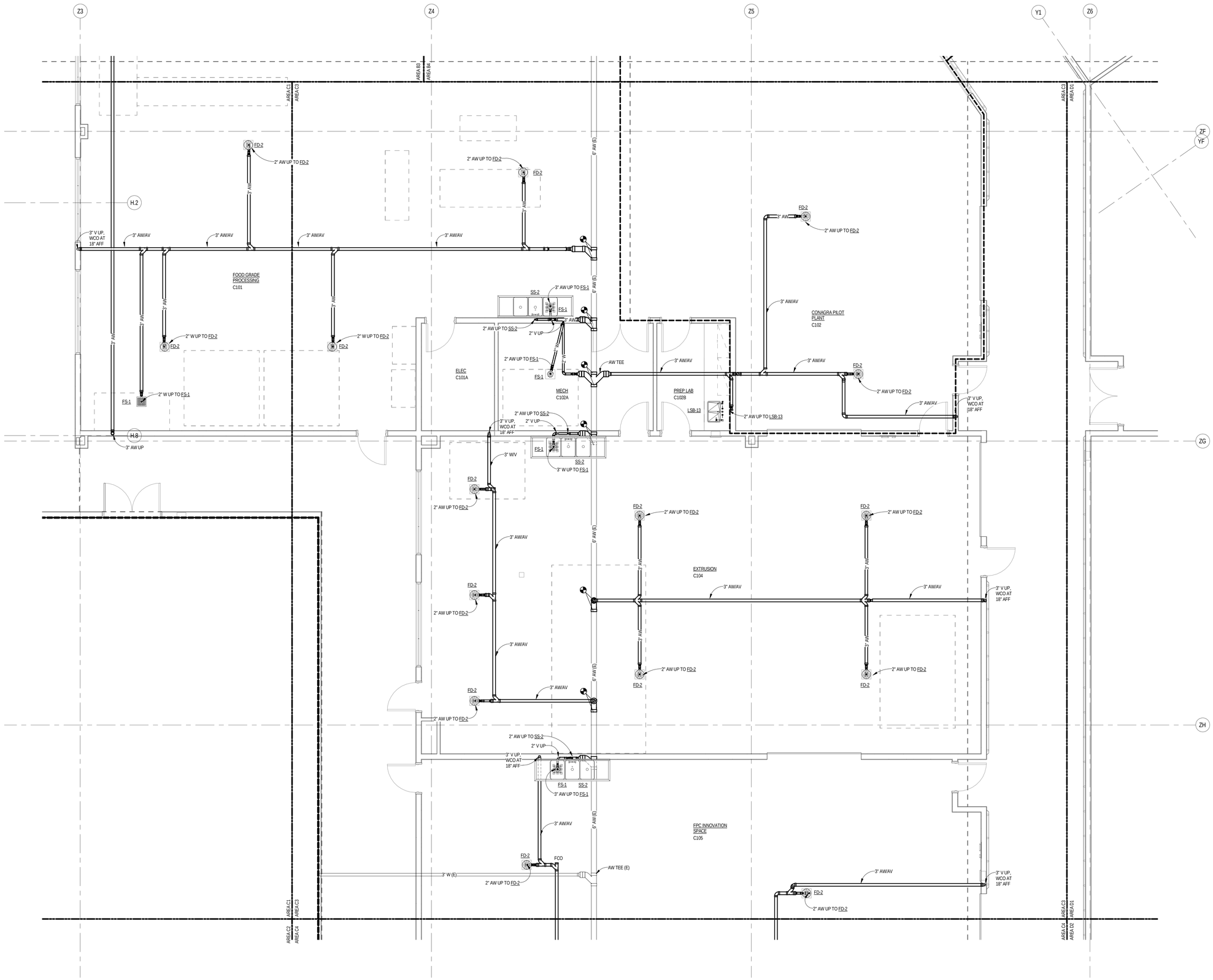

BELOW FLOOR PLUMBING PLAN - AREA C3

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

GENERAL NOTES:

1. REFER TO ISLAND VENT DETAIL ON PLUMBING DETAILS SHEET FOR PROPER VENTING OF CUP SINKS AND OTHER ISLAND PLUMBING FIXTURES.
2. FOR SCULLERY SINKS WITH GARBAGE DISPOSALS ON THIS PLAN: ROUTE 2" W WITH TRAP TO GARBAGE DISPOSAL DRAIN, ROUTE BASIN DRAINS WITHOUT DISPOSAL TO FS-1 WITH AIR GAP. PIPING TO FS-1 SHALL BE 3" W.

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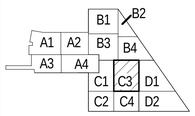

Key Plan

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July 15, 2014

Below Floor Plumbing Plan - Area C3

P1.07

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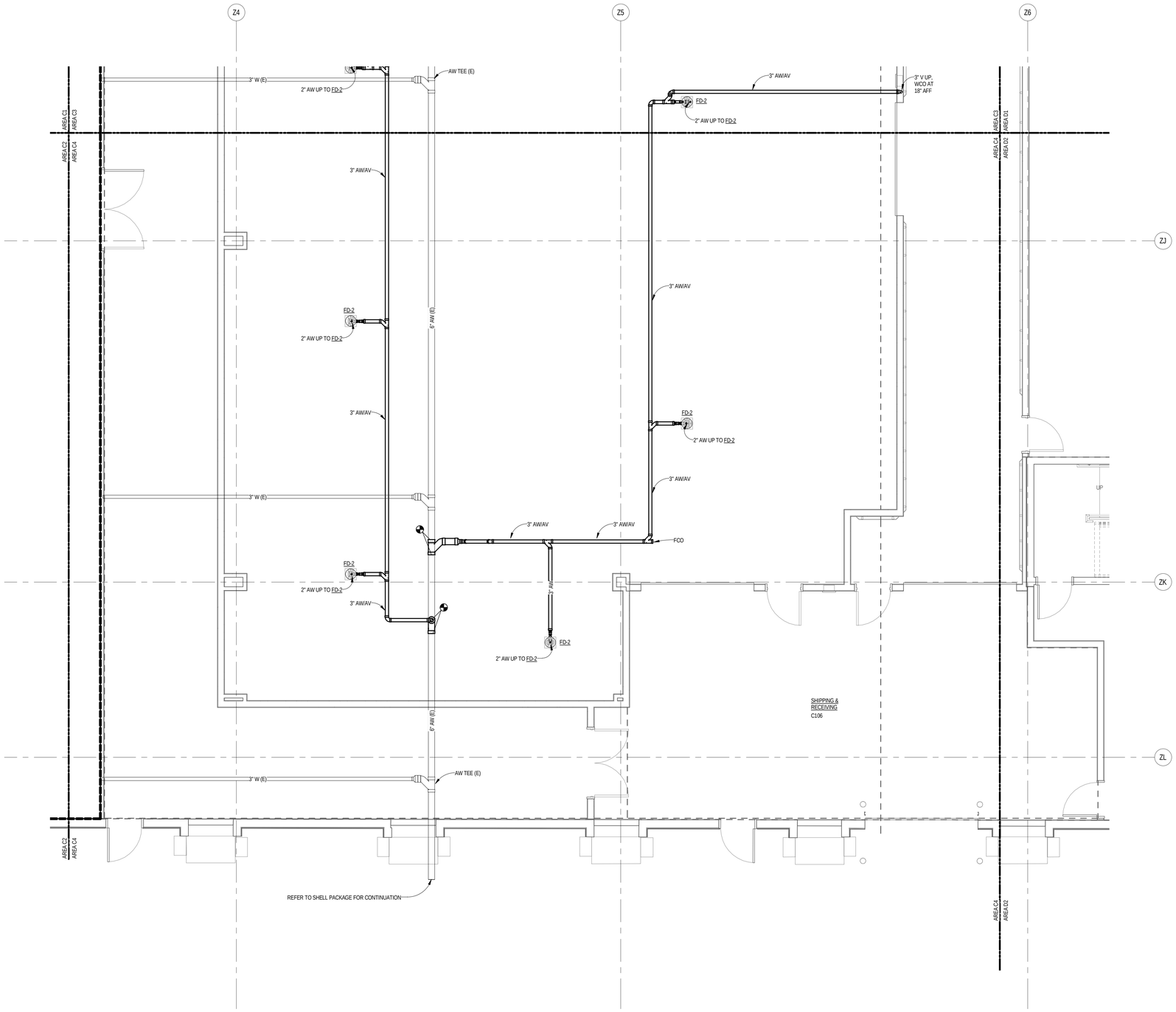

BELOW FLOOR PLUMBING PLAN - AREA C4

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

GENERAL NOTES:

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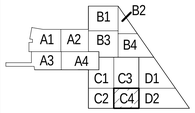

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July 15, 2014

Below Floor Plumbing Plan - Area C4

P1.08