ADDENDUM 001

Date: March 30, 2018
Attn: Project Bidders
Project Name: SUNY Purchase Hub – Café Addition and Renovation
Project Address: 735 Anderson Hill Road
Purchase, NY 10577
PZD Project Number: 1517347
SUNY Project Number: SU031918

The following information shall amend the Construction Documents for the project listed above.

GENERAL COMMENTS:

CHANGE: …

- Note: See attached "Addendum No. 1 list" and drawing from Innovative Engineering Services, Inc. for MEP Comments.
- Note: See attached Addendum #1 drawings from Doucet & Associates, Inc. for Civil comments.
- Note: See attached Addendum #1 drawing from Szewczak Associates Structural Engineers for structural comments.

DRAWING COMMENTS:

G000, Sheet Index

- CHANGE, Title sheet has been reissued with addendum dates.

G001, Fire / Life Safety Notes

- Clarification: Note 1 has been revised from "New York State Fire Code" to "County"

AD101, NOTE

- ADD, Note has been added about removing existing mop sink.

A101, Note

- CLARIFICATION: Plan note 5 has been revised.
- ADD: Plan note 14 has been added.
- ADD: Plan note 5 has been added to construction plan.

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A-102, Detail 1,2,3,6 & 7

- ADD: Details have had additional notes added.

A-103, NOTE

- Clarification: Multiple notes have been revised in general notes and plan notes.
- ADD: Plan note 7 was added.

A-200, Plan note 6, detail 1/A200

- Clarification: Plan note 6 has been added to the schedule.
- ADD: Ceiling note regarding edge trim has been added.
- ADD: Ceiling was added.

A-201, Note

- Change: New Tile ceiling under angled roof to be +/- 6'-0"

V102, Ceiling Added

- ADD: Ceiling was added to existing hallway

V114, Tags and notes

- ADD: Multiple millwork sections have been added as well as general notes and dimensions

V210, Detail 1-7

- ADD: Multiple notes and dimensions added to details.

V211, Added Sheet

- ADD: Sheet was added for additional millwork details.

V212, Added Sheet

- ADD: Sheet was added with additional millwork details.

V300, Notes Added

- ADD: Corner guard location note added.

V301, Detail 6, 8-9

- ADD: Notes added about lockers and corner guards.

V310, Detail 1-9

- ADD: Multiple notes and dimensions have been added to each detail.

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V311, Detail 1,3-4,7-8,11,12.

- ADD: Multiple notes dimensions have been added to each detail.

V312, Detail 1,3,5-10

- ADD: Multiple notes, dimensions and finish tags have been added to the details.

V313, Detail 1,2,5,7,10-16

- ADD: Multiple notes, dimensions and finish tags have been added to the details.

V314, Detail 1,2,4-13

- ADD: Multiple notes, dimensions and finish tags have been added.
- Change: Detail 8 had some notes removed.

V315,Detail 1-4,6-11,13

- ADD: Multiple notes, dimensions and finish tags have been added.

V316, Detail 1-3

- ADD: Multiple notes, dimensions, and finish tags have been added.

V317, Detail1-3

- ADD: Multiple notes, dimensions, and finish tags have been added.

V318, Detail 1-3

- ADD Multiple Notes and finish tags have been added.

V319, Detail 1-7

- ADD Multiple notes and finish tags have been added.
- Change: Details 3,4 and 7 have been removed from project.

V320, Detail1-3

- ADD: Multiple notes and finish tags have been added.
- ADD: detail 3 has been added to project.

PROJECT MANUAL COMMENTS

087100 – Door Hardware

- Change: Door hardware spec to be replaced with attached.

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095113 – Acoustical Panel Ceilings

- ADD: The following new paragraph 2.6C:

C. Extruded –Aluminum Edge Moldings and Trim: Where indicated, provide manufacturer's extruded-aluminum edge molding and trim of profile indicated or referenced by manufacturer's designnations, including slice plates, corner pieces, and attachment and other clips, complying with seismic design requirements and the following:

1. Basis-of-design Product: Subject to compliance with requirements, provide the following, or equel:
    a. Armstrong World Industries, Inc.; Axiom Classic Trim
2. Size: 1-15/16 inches.
3. Aluminum Alloy: Alloy and temper recommended by aluminum produser and finisher for type of use and finish indicated, and with not less than the strength and durability properties of aluminum extrusions complying with ASTM B 221 for Alloy and Temper 6063-T5.
4. Finish designations prefixed by AA comply with System established by the Aluminum Association for designating aluminum finishes.
5. Baked-Enamel Finish: AA-c12C42R1x (Chemical Finish: cleaned with inhibited chemicals; Chemical Finish: acid-chromate-fluoride-phosphate conversion coating; organic coating: as specified below). Apply baked enamel compying with paint manufacturers written instructions for cleaning, conversion coating, and painting.
    a. Color: As selected by architect from manufacturers full range.

End of Architectural Addendum #1

Please feel free to contact me should you have any questions.
Sincerely,

Phase Zero Design INC

Christopher T. Milliard
Associate/Project Manager

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INNOVATIVE ENGINEERING SERVICES, LLC
AN INTEGRATED ENGINEERING + DESIGN FIRM

Addendum No. 1 List

Date: March 30, 2018

SUNY Purchase The Hub
17163

Mechanical

M101	Dining Level Mechanical Plan
M102	Roof Mechanical Plan
M200	Mechanical Details
M201	Mechanical Details
M204	Mechanical Notes, Legends, and Schedules

Electrical

DE100	Basement Electrical Demolition Plan
DE101	First Floor Electrical Demolition Plan
E100	Basement Power Plan
E101	Basement Lighting Plan
E102	First Floor Power Plan
E103	First Floor Lighting Plan
E106	Basement Low Voltage Pathway Plan
E107	First Floor Low Voltage Pathway Plan
E200	One Line Riser Diagram
E201	Electrical Schedules
E204	Electrical Low Voltage Details
E205	Electrical Notes, Legends, and Details

Specifications

263600 - Transfer Switches

SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

ISSUED FOR: ADDENDUM 1, 03.30.2018

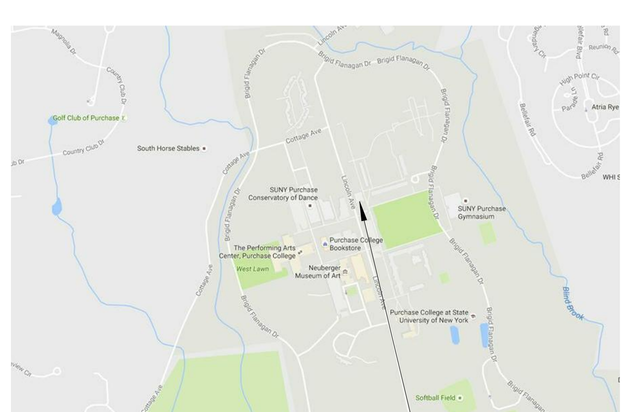
SHEET INDEX

SHEET	TITLE	ISSUED FOR:	ISSUE DATE:
GENERAL			
G000	TITLE SHEET	ADDENDUM 1	3.30.2018
G001	GENERAL NOTES	ADDENDUM 1	3.30.2018
G002	GENERAL NOTES	BID	02.16.2018
G003	ADA STANDARDS, SYMBOLS & ABBREVATIONS	BID	02.16.2018
G004	CODE DATA	BID	02.16.2018
G100	CODE PLAN & ANALYSIS BASEMENT	BID	02.16.2018
G101	CODE PLAN & ANALYSIS FIRST FLOOR	BID	02.16.2018
G102	CODE PLAN & ANALYSIS SECOND AND THIRD FLOOR	BID	02.16.2018
CIVIL SITE & LANDSCAPING			
C1	COVER SHEET	ADDENDUM 1	3.30.2018
C2	LEGEND & GENERAL NOTES	ADDENDUM 1	3.30.2018
C3	SITE LAYOUT & MATERIALS PLAN	ADDENDUM 1	3.30.2018
C4	SITE GRADING PLAN	ADDENDUM 1	3.30.2018
C5a	SITE UTILITIES PLAN	ADDENDUM 1	3.30.2018
C5b	SITE UTILTIES PLAN	ADDENDUM 1	3.30.2018
C6	SITE DEMOLITION & EROSION CONTROL	ADDENDUM 1	3.30.2018
C7	SITE DETAILS	ADDENDUM 1	3.30.2018
C8	SITE DETAILS	BID	02.16.2018
TS105	TOPOGRAPHIC SURVEY	BID	02.16.2018
ARCHITECTURAL			
AD100	BASEMENT DEMOLITION PLAN	ADDENDUM 1	3.30.2018
AD101	FIRST FLOOR DEMOLITION PLAN	BID	02.16.2018
AD200	BASEMENT CELING DEMOLITION PLAN	BID	02.16.2018
AD201	FIRST FLOOR CEILING DEMOLITION PLAN	BID	02.16.2018
A100	BASEMENT CONSTRUCTION FLOOR PLAN	BID	02.16.2018
A101	FIRST FLOOR CONSTRUCTION PLAN	ADDENDUM 1	3.30.2018
A102	ENLARGED PLANS & PLAN DETAILS	ADDENDUM 1	3.30.2018
A103	ROOF PLAN	ADDENDUM 1	3.30.2018
A200	BASEMENT REFLECTED CEILING PLAN	ADDENDUM 1	3.30.2018
A201	FIRST FLOOR REFLECTED CEILING PLAN	ADDENDUM 1	3.30.2018
A202	CEILING DETAILS I	BID	02.16.2018
A203	CEILING DETAILS II	BID	02.16.2018
A301	EXTERIOR ELEVATIONS	BID	02.16.2018
A401	BUILDING SECTIONS	BID	02.16.2018
A402	WALL SECTIONS	BID	02.16.2018
A403	WALL SECTIONS	BID	02.16.2018
A404	WALL SECTIONS	BID	02.16.2018
A405	SECTION DETAILS	BID	02.16.2018
A501	DOOR SCHEDULE	BID	02.16.2018
A502	ALUMINUM FRAME ELEVATIONS I	BID	02.16.2018
A503	ALUMINUM FRAME ELEVATIONS II	BID	02.16.2018
A504	ALUMINUM FRAME DETAILS I	BID	02.16.2018
A505	ALUMINUM FRAME DETAILS II	BID	02.16.2018
A601	MISCELLANEOUS DETAILS I	BID	02.16.2018
INTERIOR DESIGN			
V100	GENERAL ARRANGEMENT PLAN - BASEMENT	BID	02.16.2018
V101	FLOOR FINISHES PLAN - BASEMENT	BID	02.16.2018
V102	REFLECTED CEILING PLAN - BASEMENT	ADDENDUM 1	3.30.2018
V110	GENERAL ARRANGEMENT PLAN - FIRST FLOOR	BID	02.16.2018
V111	FLOOR FINISHES PLAN - FIRST FLOOR	BID	02.16.2018
V112	REFLECTED CEILING PLAN - FIRST FLOOR	BID	02.16.2018
V113	FURNITURE PLAN	BID	02.16.2018
V114	MILLWORK PLAN	ADDENDUM 1	3.30.2018
V210	MILLWORK SECTIONS	ADDENDUM 1	3.30.2018
V211	MILLWORK SECTIONS II	ADDENDUM 1	3.30.2018
V212	MILLWORK SECTIONS III	ADDENDUM 1	3.30.2018
V300	INTERIOR ELEVATIONS I	ADDENDUM 1	3.30.2018
V301	INTERIOR ELEVATIONS II	ADDENDUM 1	3.30.2018
V310	INTERIOR ELEVATIONS III	ADDENDUM 1	3.30.2018
V311	INTERIOR ELEVATIONS - IV	ADDENDUM 1	3.30.2018
V312	INTERIOR ELEVATIONS - V	ADDENDUM 1	3.30.2018
V313	INTERIOR ELEVATIONS VI	ADDENDUM 1	3.30.2018
V314	INTERIOR ELEVATIONS VII	ADDENDUM 1	3.30.2018
V315	INTERIOR ELEVATIONS AND DETAILS VIII	ADDENDUM 1	3.30.2018
V316	INTERIOR ELEVATIONS IX	ADDENDUM 1	3.30.2018
V317	INTERIOR ELEVATIONS X	ADDENDUM 1	3.30.2018
V318	INTERIOR ELEVATIONS XI	ADDENDUM 1	3.30.2018
V319	INTERIOR ELEVATIONS XII	ADDENDUM 1	3.30.2018
V320	INTERIOR ELEVATIONS XIII	ADDENDUM 1	3.30.2018
FOOD SERVICE			
Q001	EXISTING EQUIPMENT PLAN	BID	02.16.2018
Q010	EQUIPMENT DEMO PLAN	BID	02.16.2018
Q100	BASEMENT EQUIPMENT LAYOUT	BID	02.16.2018
Q101	EQUIPMENT LAYOUT - OVERALL LAYOUT	BID	02.16.2018
Q111	FOOD SERVICE EQUIPMENT - ENLARGED AREAS	BID	02.16.2018
Q200	BASEMENT ELECTRICAL CONNECTION LAYOUT	BID	02.16.2018
Q210	ELECTRICAL CONNECTION LAYOUT	BID	02.16.2018
Q211	FS ELECTRICAL ROUGH IN PLAN ENLARGED	BID	02.16.2018
Q300	BASEMENT PLUMBING CONNECTION LAYOUT	BID	02.16.2018
Q310	PLUMBING CONNECTION LAYOUT	BID	02.16.2018
Q311	PLUMBING CONNECTION ENLARGED	BID	02.16.2018
Q312	PLUMBING CONNECTION ENLARGED	BID	02.16.2018
Q313	PLUMBING CONNECTION SCHEDULE	BID	02.16.2018
Q400	SPECIAL CONDITIONS PLAN	BID	02.16.2018
Q500	EXHAUST HOOD DETAILS	BID	02.16.2018
Q501	EXHAUST HOOD DETAILS	BID	02.16.2018
Q502	EXHAUST HOOD DETAILS	BID	02.16.2018
Q503	EXHAUST HOOD DETAILS	BID	02.16.2018
Q504	EXHAUST HOOD DETAILS	BID	02.16.2018
Q505	EXHAUST HOOD DETAILS	BID	02.16.2018
Q506	WALKIN BOX DETAILS	BID	02.16.2018
Q507	WALKIN BOX DETAILS	BID	02.16.2018
Q508	WALKIN BOX DETAILS	BID	02.16.2018
Q600	FOOD SERVICE EQUIPMENT SCHEDULE	BID	02.16.2018
STRUCTURAL			
S001	GENERAL NOTES AND TYPICAL DETAILS	BID	02.16.2018
S101	DINING LEVEL FRAMING AND FOUNDATION PLAN	BID	02.16.2018
S102	ROOF FRAMING PLAN	BID	02.16.2018
S201	FOUNDATION SECTIONS	BID	02.16.2018
S202	STRUCTURAL SECTIONS	BID	02.16.2018

SHEET INDEX

SHEET	TITLE	ISSUED FOR:	ISSUE DATE:
S203	FOUNDATION SECTIONS & COLUMN SCHEDULE	BID	02.16.2018
FIRE PROTECTION			
FP100	BASEMENT FIRE PROTECTION PLAN	BID	02.16.2018
FP101	FIRST FLOOR FIRE PROTECTION PLAN	BID	02.16.2018
FP200	FIRE PROTECTION DETAILS	BID	02.16.2018
FP201	FIRE PROTECTION NOTES, LEGENDS, & SCHEDULES	BID	02.16.2018
PLUMBING			
DP100	BASEMENT PLUMBING DEMOLITION PLAN	BID	02.16.2018
DP101	FIRST FLOOR PLUMBING DEMOLITION PLAN	BID	02.16.2018
P100	BASEMENT WASTE & STORM PLUMBING PLAN	BID	02.16.2018
P100.1	BASEMENT DOMESTIC WATER PLUMBING PLAN	BID	02.16.2018
P101	FIRST FLOOR PLUMBING PLAN	BID	02.16.2018
P101.1	ENLARGED FIRST FLOOR PLUMBING PLAN	BID	02.16.2018
P101.2	FOOD SERVICE PLUMBING SCHEDULE	BID	02.16.2018
P102	ROOF PLUMBING PLAN	BID	02.16.2018
P200	PLUMBING DETAILS	BID	02.16.2018
P201	PLUMBING DETAILS	BID	02.16.2018
P202	PLUMBING DETAILS	BID	02.16.2018
P203	PLUMBING NOTES, LEGENDS, AND SCHEDULE	BID	02.16.2018
MECHANICAL			
DM100	BASEMENT MECHANICAL DEMOLITION PLAN	BID	02.16.2018
DM101	FIRST FLOOR MECHANICAL DEMOLITION PLAN	BID	02.16.2018
DM102	ROOF MECHANICAL DEMOLITION PLAN	BID	02.16.2018
M100	BASEMENT MECHANICAL PLAN	BID	02.16.2018
M101	DINING LEVEL MECHANICAL PLAN	ADDENDUM 1	3.30.2018
M102	ROOF MECHANICAL PLAN	ADDENDUM 1	3.30.2018
M200	MECHANICAL DETAILS	ADDENDUM 1	3.30.2018
M201	MECHANICAL NOTES, LEGENDS, AND SCHEDULES	ADDENDUM 1	3.30.2018
M202	MECHANICAL DETAILS	BID	02.16.2018
M203	MECHANICAL NOTES, LEGENDS, AND SCHEDULE	BID	02.16.2018
M204	MECHANICAL NOTES, LEGENDS, AND SCHEDULES	ADDENDUM 1	3.30.2018
ELECTRICAL			
DE100	BASEMENT ELECTRICAL DEMOLITION PLAN	ADDENDUM 1	3.30.2018
DE101	FIRST FLOOR ELECTRICAL DEMOLITION PLAN	ADDENDUM 1	3.30.2018
DE102	ROOF ELECTRICAL DEMOLITION PLAN	BID	02.16.2018
DE103	DEMOLITION ONE-LINE RISER AND NOTES	BID	02.16.2018
E100	BASEMENT POWER PLAN	ADDENDUM 1	3.30.2018
E101	BASEMENT LIGHTING PLAN	ADDENDUM 1	3.30.2018
E102	FIRST FLOOR POWER PLAN	ADDENDUM 1	3.30.2018
E103	FIRST FLOOR LIGHTING PLAN	ADDENDUM 1	02.16.2018
E104	ROOF ELECTRICAL PLAN	ADDENDUM 1	02.16.2018
E105	BASEMENT ELECTRICAL LOCATION PLAN	BID	02.16.2018
E106	BASEMENT LOW VOLTAGE PATHWAY PLAN	ADDENDUM 1	3.30.2018
E107	FIRST FLOOR LOW VOLTAGE PATHWAY PLAN	ADDENDUM 1	3.30.2018
E200	ONE-LINE RISER DIAGRAM	BID	02.16.2018
E201	ELECTRICAL SCHEDULES	ADDENDUM 1	3.30.2018
E202	ELECTRICAL SCHEDULES	BID	02.16.2018
E203	ELECTRICAL DETAILS AND SCHEDULES	BID	02.16.2018
E204	ELECTRICAL LOW VOLTAGE DETAILS	ADDENDUM 1	3.30.2018
E205	ELECTRICAL NOTES, LEGENDS, AND DETAILS	ADDENDUM 1	3.30.2018

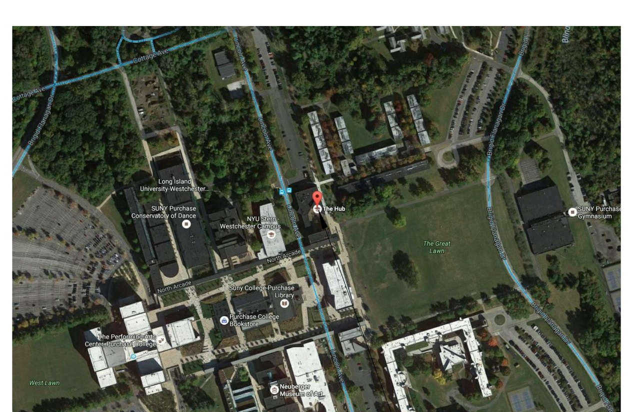
LOCUS PLAN



N

SUNY PURCHASE COLLEGE
735 ANDERSON HILL RD
PURCHASE, NY 10577

KEY PLAN



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PROJECT LOCATION
THE HUB AT PURCHASE COLLEGE

PROJECT DESCRIPTION

PROJECT DESCRIPTION:

THIS PROJECT CONSISTS OF A NEW ADDITION TO THE STUDENT DINING COMMONS.

THE PROJECT CONSISTS OF THE FOLLOWING WORK:

- LIMITED LOCAL DEMOLITION ONLY AS NEEDED FOR NEW CONSTRUCTION.
- EXISTING DINING SPACE (BUILDING ENVELOPE AND TENANT DEMISING WALLS)
- EXISTING/ MODIFIED ROOF PER NEW HVAC
- EXISTING/ MODIFIED FIRE PROTECTION
- NEW INTERIOR PARTITIONS AND DOORS
- NEW SPECIALITY EQUIPMENT & CONNECTIONS
- NEW PLUMBING AND FLOOR PENETRATIONS
- NEW AIR HANDLING UNITS AND DISTRIBUTION
- NEW ELECTRICAL DISTRIBUTION

PROJECT TEAM

OWNER

SUNY PURCHASE COLLEGE
735 ANDERSON HILL RD
PURCHASE, NY 10577

ARCHITECT

PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CT 06070
T: 860.264.1624
PROJECT MANAGER: CHRIS MILLIARD
E-MAIL: cmilliard@phasezerodesign.com

CIVIL ENGINEER

DOUCET & ASSOCIATES
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NORTHAMPTON, MA, 01060
T: 413.208.2349
CONTACT: LARRY RUSIECKI
E-MAIL: lrusiecki@doucetengineers.com

MEP ENGINEER

INNOVATIVE ENGINEERINGS SERVICES
33 NORTH PLAINS INDUSTRIAL ROAD
WALLINGFORD, CT, 06492
T: 732.280.5623
CONTACT: PETER PYCELA
E-MAIL: ppycela@iesllc.biz

STRUCTURAL ENGINEER

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DESIGN CONSULTANT

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CHARLOTTE, NC 28203
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E-MAIL: keith@visionbuildersusa.com

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CLIENT:

chartwells
where hungry minds gather
www.chartwellshighered.com

OWNER:

Purchase College
STATE UNIVERSITY OF NEW YORK
www.purchase.edu

CONSULTANT:

PROJECT:

SUNY PURCHASE COLLEGE
CAFE ADDITION AND RENOVATION
735 ANDERSON HILL RD
PURCHASE, NY 10577

REVISIONS

NO.	DATE	DESCRIPTION
1	03.30.2018	Addendum 1

SEAL:

ISSUED FOR: ADDENDUM 1

ISSUED DATE: 03.30.2018

DRAWN BY: JW

CHECKED BY: CM

PROJECT NUMBER: 1517347

DRAWING NAME:

TITLE SHEET

DRAWING NO.

G000

Plot Date: 3/30/2018 5:44:10 PM Dwg Filename: C:\Users\j_woodworth\Documents\SUNY Purchase - Hub_j_woodworth.rvt

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO FEDERAL, STATE AND MUNICIPAL CODES, LAWS, ORDINANCES, RULES, AND REGULATIONS. THESE SHALL SUPERSEDE DRAWINGS, NOTES AND DIMENSIONS IN ALL CASES. THE ARCHITECT SHALL BE NOTIFIED OF SUCH CHANGES BEFORE WORK IS STARTED. CONTRACTOR SHALL OBTAIN PERMITS BEFORE STARTING WORK, AND OBTAIN APPROVALS OF ALL REGULATORY AGENCIES UPON COMPLETION, AND AS REQUIRED

2. THE CONTRACT DOCUMENTS CONSIST OF THE DRAWINGS, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, OWNER-CONTRACTOR AGREEMENTS AND ALL ADDENDA ISSUED PRIOR TO AND ALL PLAN CHANGES ISSUED AFTER EXECUTION OF THE PROJECT MANUAL.

3. UNLESS OTHERWISE INDICATED IN THE CONSTRUCTION DOCUMENTS AS BEING NOT IN CONTRACT (N.I.C.) OR EXISTING; ALL ITEMS, MATERIALS AND INSTALLATION OF SAME ARE A PART OF THE CONTRACT DEFINED BY THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORIES, COMPONENTS AND ASSEMBLIES REQUIRED FOR THE WORK SHOWN.

4. GENERAL CONTRACTOR SHALL SUBMIT A DETAILED PROJECT SCHEDULE AND IS SOLELY RESPONSIBLE FOR CONSTRUCTION SEQUENCING, METHODS AND TECHNIQUES.

5. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PAYING FOR AND OBTAINING ALL PERMITS, INSPECTIONS, REQUIRED TESTS AND UTILITY CONNECTIONS, TERMINATIONS, AND CAPPING UNLESS OTHERWISE NOTED.

6. ANY WORK INVOLVING ALTERATIONS TO EXISTING BUILDING UTILITIES & WHICH REQUIRE UTILITY SHUT DOWN, SHALL BE COORDINATED WITH THE OWNER AND SHALL REQUIRE A MIN. OF (5) FIVE DAYS NOTICE.

7. IN THE EVENT OF DISCREPANCIES IN THE DRAWINGS, THE COSTLIER OR MORE RESTRICTIVE CONDITIONS SHALL BE DEEMED THE CONTRACT REQUIREMENT, UNLESS OTHERWISE STATED IN WRITING, FROM THE OWNER OR OWNER'S REPRESENTATIVE. ANY DISCREPANCIES SHOULD IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

8. GENERAL CONTRACTOR SHALL WARRANT WORK PERFORMED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE.

9. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO KEEP THE PREMISES CLEAN OF DEBRIS, RUBBISH, EXCESS MATERIALS, ETC. RESULTING FROM THE WORK OF THIS CONTRACT. OFFICE AREAS SHALL BE BROOM CLEAN EACH WORK DAY. AT THE END OF THE JOB THE SPACE SHALL BE BROOM CLEANED ONE LAST TIME WITH ALL LABELS, STICKERS, PAINT AND WRAPPING MATERIALS REMOVED FROM FIXTURES, WINDOWS AND FLOORS AS TO REQUIRE ONLY NORMAL WASHING AND CLEANING PRIOR TO THE TURNOVER OF THE SPACE TO THE TENANT.

10. CHARGES FOR EXTRA WORK DONE BY THE CONTRACTOR WILL NOT BE HONORED UNLESS THE WORK AND THE AMOUNT ARE AGREED TO BY THE OWNER, OR THEIR AGENT, IN WRITING BEFORE THE WORK IS DONE, BASED UPON UNIT PRICING.

11. AS REQUIRED BY CODE, EACH CONTRACTOR AND EACH SUBCONTRACTOR SHALL OBTAIN REQUIRED INSPECTION OF THAT PORTION OF WORK.

12. CONTRACTOR TO COORDINATE WORK WITH THE CITY/OWNER, INCLUDING SCHEDULING TIME AND LOCATIONS FOR DELIVERIES, BUILDING ACCESS, USE OF BUILDING SERVICES AND FACILITIES, AND USE OF ELEVATORS. COORDINATE WORK WITH OTHER CONTRACTS. MINIMIZE DISTURBANCE OF BUILDING FUNCTIONS AOCCUPANTS, INCLUDING TRASH REMOVAL ACCESS.

13. OWNER WILL PROVIDE WORK NOTED "BY OTHERS" OR "NIC" UNDER SEPARATE CONTRACT. CONTRACTOR TO INCLUDE SCHEDULE REQUIREMENTS IN CONSTRUCTION PROGRESS SCHEDULE AND COORDINATE TO ASSURE ORDERLY SEQUENCE OF INSTALLATION.

14. CONTRACTOR TO MAINTAIN EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES, AND ALARMS IN CONFORMANCE WITH CODES AND ORDINANCES.

15. CONTRACTOR TO PROTECT AREA OF WORK AND ADJACENT AREAS FROM DAMAGE. CONTRACTOR TO COORDINATE TRASH ACCESS.

16. CONTRACTOR TO MAINTAIN WORK AREAS SECURE AND LOCKABLE DURING CONSTRUCTION. COORDINATE WITH COUNTY TO PROVIDE SECURITY.

17. PARTITIONS ARE DIMENSIONED FROM FACE OF FRAMING TO FACE OF FRAMING/MASONRY/ FOUNDATION, UNLESS OTHERWISE NOTED. MAINTAIN DIMENSIONS MARKED "CLEAR". ALLOW FOR THICKNESS OF FINISHES.

18. WHERE EXISTING ACCESS PANELS CONFLICT WITH CONSTRUCTION. CONTRACTOR TO RELOCATE PANELS TO ALIGN WITH AND FIT WITHIN NEW CONSTRUCTION.

19. CONTRACTOR TO UNDERCUT DOORS TO CLEAR TOP OF FLOOR FINISHES BY 1/4 INCH, U.O.N.

20. CONTRACTOR SHALL PROVIDE CONSTRUCTION BARRICADES OR FENCING AS REQUIRED AND AS APPROVED BY THE CITY FOR PUBLIC SAFETY PRIOR TO COMMENCING THE WORK.

21. CONTRACTOR SHALL PROVIDE TEMPORARY EXIT SIGNS TO ASSURE A MEANS OF EGRESS DURING CONSTRUCTION.

22. WHERE A TYPICAL CONDITION IS DETAILED, IT SHALL BE UNDERSTOOD THAT ALL LIKE OR SIMILAR CONDITIONS ARE THE SAME UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE.

23. GENERAL CONTRACTOR SHALL COORDINATE SITE PLUMBING, DRAINAGE, ELECTRICAL, TELEPHONE WORK AND EXISTING UTILITIES TO PROVIDE A COMPLETE OPERATING SYSTEM.

24. CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BLOCKING, BACK-UP PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK, TOILET ROOM ACCESSORIES, FIXTURES AND PARTITIONS AND ALL WALL MOUNTED OR SUSPENDED MECHANICAL, ELECTRICAL OR MISCELLANEOUS EQUIPMENT AND FURNISHINGS.

25. ALL WORK PERFORMED SHALL COMPLY WITH THE CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS, INCLUDING THESE GENERAL NOTES. THE CONTRACTOR SHALL COORDINATE THE INTENT OF THE GENERAL NOTES WITH ALL TRADES

26. SPECIFICATIONS, BOUND SEPARATELY, ARE PART OF THE CONTRACT DOCUMENTS.

27. THE ORGANIZATION OF THE DRAWINGS AND SPECIFICATIONS SHALL NOT CONTROL THE CONTRACTOR IN DIVIDING THE WORK AMONG SUBCONTRACTORS OR IN ESTABLISHING THE EXTENT OF WORK TO BE PERFORMED BY ANY TRADE.

28. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS. IF CONFLICT IS FOUND BETWEEN DRAWINGS, GENERAL NOTES AND SPECIFICATIONS, CONSULT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.

29. THE STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF STRUCTURAL, MECHANICAL AND ELECTRICAL WORK. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE CONSULTING ENGINEERS' DRAWINGS THAT WOULD CAUSE AN AWKWARD INSTALLATION, IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR CLARIFICATION PRIOR TO INSTALLATION OF SAID WORK. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST.

30. NO DEVIATION FROM CONTRACT DRAWINGS AND SPECIFICATIONS SHALL BE MADE WITHOUT WRITTEN APPROVAL OF THE DESIGN PROFESSIONAL.

31. G.C. TO PROVIDE <u>LEVEL 4</u> DRYWALL FINISH THROUGHOUT SPACE U.O.N.

32. ALL DEMOLITION IS AS REQUIRED FOR NEW CONSTRUCTION.

33. ALL MATERIAL TO BE NEW UNLESS OTHERWISE NOTED "EXISTING".

34. MEANS AND METHODS ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

35. VERIFY KEYING REQUIREMENTS OF ALL LOCKS, BOTH NEW AND EXISTING, WITH OWNER.

36. IF REQUIRED UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL OBTAIN A CERTIFICATE OF OCCUPANCY FROM THE BUILDING DEPARTMENT.

DEMOLITION NOTES

1. THE TERM "PATCH AND REPAIR" SHALL BE DEFINED AS: THE PROCESS OF REPAIRING FLOOR, WALL, OR CEILING SURFACES THAT HAVE BEEN DAMAGED OR ARE ADJACENT TO DEMOLISHED CONSTRUCTION. THE REPAIR SHALL INCLUDE, BUT NOT BE LIMITED TO: FILLING VOIDS SOLID WITH CONCRETE, PREPARING SURFACES FOR NEW FINISH MATERIAL PER MANUFACTURER'S RECOMMENDATIONS, MATCH EXISTING FINISHES AND MATERIALS WHERE NO NEW FINISHES ARE CALLED FOR, CLOSING WALL, FLOOR OR ROOF PENETRATIONS AS DIRECTED BY ARCHITECT.

2. THE TERM "SALVAGE" SHALL BE DEFINED AS: THE PROCESS OF THE CONTRACTOR CAREFULLY REMOVING THE MENTIONED ITEM, SUCH THAT IT IS IN A USABLE CONDITION, AND STORING IT (IN LOCATION DETERMINED BY OWNER) UNTIL NEEDED FOR THE CONSTRUCTION PHASE. IF THE CLIENT DOES NOT NEED SAID ITEM CONTRACTOR SHALL DISPOSE OF PROPERLY AT NO ADDITIONAL COST.

3. DEMOLITION CONTRACTOR TO COORDINATE ALL PHASES OF DEMOLITION FOR PROJECT AND NOTIFY ARCHITECT AND AT OF ANY DISCREPANCIES OR CONFLICTING CONDITIONS WHICH WOULD INTERFERE WITH THE SATISFACTORY COMPLETION OF THE WORK, PRIOR TO THE START OF CONSTRUCTION.

4. COMPLY WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES AND REGULATIONS PERTAINING TO SAFETY OF PERSONS, PROPERTY AND ENVIRONMENTAL PROTECTION.

5. GC TO VERIFY WITH PROPERTY MANAGER REQUIREMENTS FOR CONSTRUCTION BARRIER. PROVIDE AND MAINTAIN BARRICADES, LIGHTING, AND GUARDRAILS AS REQUIRED BY APPLICABLE CODES AND REGULATIONS TO PROTECT OCCUPANTS OF BUILDING AND WORKERS.

6. ERECT AND MAINTAIN DUSTPROOF PARTITIONS AS REQUIRED TO PREVENT SPREAD OF DUST, FUMES, AND SMOKE, ETC. TO OTHER PARTS OF THE BUILDING. ON COMPLETION, REMOVE PARTITIONS AND REPAIR DAMAGED SURFACES TO MATCH ADJACENT SURFACES.

7. IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, RESTORE EFFECTED AREAS AT NO COST TO THE OWNER.

8. REMOVE FROM SITE DAILY AND LEGALLY DISPOSE OF REFUSE, DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS. AND LEAVE ALL AREAS BROOM CLEAN DAILY.

9. REMOVE DESIGNATED PARTITIONS, COMPONENTS, BUILDING EQUIPMENT, AND FIXTURES AS REQUIRED FOR NEW WORK. RETURN ALL F.F.& E. ITERMS TO THE OWNER.

10. REMOVE ABANDONED ELECTRICAL, TELEPHONE AND DATA CABLING AND DEVICES, U.O.N.

12. REF. ARCHITECTURAL AND MEP DRAWINGS. COORDINATE SCOPE OF DEMOLITION WITH ARCH AND MEP.

13. REMOVE ALL CEILING, GRID, LIGHTS FIXTURES, SUPPORTS AND BRACING THROUGHOUT, U.O.N.

14. DEMO ALL EXISTING FINISHES THROUGHOUT. PREP SLAB AS REQUIRED FOR NEW FINISHES.

15.GC TO VERIFY THE REMOVAL OF ELECTRICAL, MECHANICAL, AND PLUMBING ELEMENTS DO NOT IMPACT THE REMAINING AREAS OUTSIDE OF CONSTRUCTION SCOPE.

<u>HVAC</u>

16. COORDINATE REMOVAL AND / OR RELOCATION OF MECHANICAL UNITS IN PLENUM SPACE WITH MEP DRAWINGS. RELOCATION OF UNITS REQUIRED BY NEW CONSTRUCTION SHALL BE COORDINATED WITH DEMOLITION WORK.

17. REMOVE ABANDONED HVAC EQUIPMENT, INCLUDING DUCT WORK. DEMO EXISTING MECHANICAL DUCTS BACK TO MAIN TRUNK, VERIFY WITH MEP PRIOR TO THE START OF ANY MECHANICAL DEMO WORK.

18. REMOVE ALL ABANDONED SMOKE FIRE DAMPERS AS REQUIRED BY NEW CONSTRUCTION, INCLUDING ALL ELECTRICAL AND CONNECTIONS.

19. CONTRACTOR SHALL MAINTAIN THE INTEGRITY AND CONTINUITY OF THE EXIST. BASE BUILDING SYSTEMS AND SHALL EXERCISE CARE BY NOT DEMOLISHING, OR DISRUPTING ANY BASE BUILDING SYSTEMS. ANY DAMAGED AND/OR DISCONNECTED SERVICE SHALL BE RESTORED AT CONTRACTOR'S COST.

<u>ELECTRICAL</u>

20. REMOVE ALL LIGHT FIXTURES, LIGHT SWITCHES, POWER AND TELE/DATA OUTLETS. REMOVE ALL BRANCH CIRCUIT FEEDERS, INCLUDING CONDUITS, BOXES AND WIRING BACK TO ELECTRICAL PANELBOARDS. CONTRACTOR SHALL SWITCH ALL SPARE BREAKERS TO OFF POSITION FOR FUTURE REFERENCE. ALL ABANDONED CONDUIT AND CABLING SHALL BE COMPLETELY REMOVED BACK TO ORIGIN.

21. MAINTAIN CIRCUIT CONTINUITY TO AREAS NOT AFFECTED BY WORK. CONTRACTOR SHALL REWORK BRANCH FEEDER HOME-RUNS AS REQUIRED TO KEEP CONTINUITY TO EXISTING LIGHT FIXTURES, EXIT SIGNS AND DEVICES IN AREAS NOT BE DEMOLISHED.

22.GC TO MAINTAIN CLEAR PATHWAY TO EXISTING ELECTRICAL PANELS. PANELS MAY NEED TO BE ACCESSED BY COLLEGE.

23. GC TO GIVE A MINUMUM OF 72 HOUR NOTICE TO COLLEGE PRIOR TO ANY SHUTDOWNS.

<u>PLUMBING</u>

24. IN DEMOLITION AREAS, UNUSED PIPING SHALL NOT BE ABANDONED "IN PLACE". PIPING SHALL BE REMOVED BACK TO SOURCE OR POINT OF DISCHARGE, AND THE RESULTING OPENINGS PLUGGED U.N.O.

25. EXISTING PLUMBING FIXTURES AND EQUIPMENT TO BE REMOVED SHALL BE DISPOSED OF BY THIS CONTRACTOR AS DIRECTED BY THE OWNER.

26. DISCONNECT AND REMOVE EXISTING UNUSED PIPING AND FIXTURES WITHOUT INTERRUPTING EXISTING REQUIRED FUNCTIONING SYSTEMS.

27. UNUSED PIPING AND RELATED ITEMS CONCEALED IN WALLS, FLOORS AND CEILING WITHIN THE STRUCTURE SHALL BE ABANDONED.

28. WASTE AND SANITARY DRAINAGE PIPING NOT TO BE USED SHALL BE REMOVED AND PLUGGED AT ACTIVE MAIN OR RISER. NO DEAD ENDS SHALL REMAIN LONGER THAN TWO (2) FEET.

<u>FIRE ALARM</u>

29. ALL EXISTING FIRE ALARM EQUIPMENT TO REMAIN. WALL MOUNTED EQUIPMENT (I.E. HORN/STROBE) SHALL BE REMOVED PRIOR TO DEMOLITION OF WALL FINISH MATERIALS AN SALVAGED FOR REINSTALLATION AFTER THE NEW WALL FINISH MATERIAL HAVE BEEN INSTALLED.

TURNOVER NOTES

1. THE CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS AND FURNISH OWNER'S REPRESENTATIVE WITH THE CERTIFICATE OF OCCUPANCY. G.C. IS ALSO TO PROVIDE A TYPE-WRITTEN LIST OF NAMES, ADDRESSES AND PHONE NUMBERS OF ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE ENTIRE SPACE CLEANED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT THE TIME OF TURNOVER.

3. PRIOR TO OPENING OF SPACE, CONTRACTOR IS TO ARRANGE FOR A NEBB CERTIFIED INDEPENDENT BALANCING CONTRACTOR TO BALANCE THE HVAC SYSTEM AND PROVIDE A COPY OF THE BALANCING REPORT TO THE OWNER AND LANDLORD'S REPRESENTATIVE IN A FORMAT ACCEPTABLE TO THE LANDLORD.

4. CONTRACTOR TO TURN OVER ALL KEYS TO THE OWNER'S REPRESENTATIVES AND MARK EACH KEY FOR IDENTIFICATION.

5. THE CONTRACTOR SHALL SET ALL THE TIME CLOCKS, THERMOSTATS, ETC. PER THE REQUIREMENTS OF THE OWNER'S REPRESENTATIVE.

6. THE CONTRACTOR SHALL EXPLAIN THE OPERATION OF ALL MECHANICAL SYSTEMS TO THE OWNER'S REPRESENTATIVE AND PROVIDE COPIES OF OPERATION, MAINTENANCE AND WARRANTY MANUALS.

7. GENERAL CONTRACTOR SHALL SUBMIT ONE COMPLETE SET OF REPRODUCIBLE DRAWINGS INDICATING ALL DISCREPANCIES, CHANGES, ETC. AND ACTUAL LOCATIONS OF CONCEALED WORK (I.E., UNDERGROUND CONDUIT) TO THE OWNER'S REPRESENTATIVE. THE GENERAL CONTRACTOR SHALL ALSO SUBMIT A PHOTOCOPY OF THE ACTUAL PANEL DIAGRAM.

8. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL WARRANTY THE WORK FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY TENANT OF FINISHED WORK.

9. THE GENERAL CONTRACTOR SHALL INSTALL NEW FILTERS IN THE HVAC UNITS ONE WEEK PRIOR TO TURNOVER OF THE PROJECT.

ACCESSIBILITY NOTES

1. IN ALL BUILDINGS, FLOORS OF A GIVEN STORY SHALL BE A COMMON LEVEL THROUGHOUT, OR SHALL BE CONNECTED BY PEDESTRIAN RAMPS, PASSENGER ELEVATORS OR SPECIAL ACCESS LIFTS.

2. FLOOR SURFACES SHALL BE SLIP-RESISTANT.

3. ALL CORRIDORS SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL BE NOT LESS THAN 44" IN WIDTH.

4. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2" IN HEIGHT. LEVEL CHANGES NOT EXCEEDING 1/4" MAY BE VERTICAL. BEVEL OTHERS W/ A SLOPE NO GREATER THAN 1:2

5. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. MOUNT DOOR OPENING HARDWARE BETWEEN 30" AND 44" ABOVE FLOOR FINISH.

6. CENTER HAND ACTIVATED DOOR OPENING HARDWARE BETWEEN 30" AND 44" ABOVE THE FLOOR.

7. MAXIMUM PULL OR PUSH EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, MEASURED AT RIGHT ANGLES TO HINGED DOORS AND AT CENTER PLANE OF SLIDING OR FOLDING DOORS. CORRESPONDING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. MAXIMUM EFFORT TO OPERATE REQUIRED FIRE DOORS MAY BE INCREASED NOT TO EXCEED 15 POUNDS.

8. THE BOTTOM 10" OF ALL DOORS (EXCEPT SLIDING AND AUTOMATIC) SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. PROVIDE A 10" HIGH SMOOTH PANEL ON THE PUSH SIDE OF NARROW FRAME DOORS.

9. EVERY REQUIRED ENTRANCE OR PASSAGE DOORWAY SHALL BE NOT LESS THAN 3' IN WIDTH AND NOT LESS THAN 6'-8" IN HEIGHT. DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE DOORWAY IS NOT LESS THAN 32".

10. WHERE A PAIR OF DOORS IS UTILIZED, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32" WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.

11. IDENTIFY ACCESSIBLE ENTRANCES WITH AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, VISIBLE FROM APPROACHING PEDESTRIAN WAYS.

12. THE FLOOR OR LANDING ON EACH SIDE OF AN ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL AND CLEAR. THE LEVEL AND CLEAR AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60" AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 44" AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION.

13. FLOORS OR LANDINGS SHALL BE NO MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.

14. PROVIDE A CLEAR FLOOR SPACE 30" X 48" IN FRONT OF LAVATORY TO PERMIT A FORWARD APPROACH.

15. MOUNT LAVATORIES WITH A MINIMUM CLEARANCE OF 29" FROM THE FLOOR TO THE BOTTOM OF THE APRON. PROVIDE KNEE CLEARANCE UNDER THE FRONT LIP EXTENDING A MINIMUM OF 30" IN WIDTH WITH 8" MINIMUM WIDTH, AND SHALL BE A MINIMUM OF 9" HIGH FROM THE FLOOR A MINIMUM OF 17" DEEP FROM THE FRONT OF THE LAVATORY.

16. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. LEVER OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF CLOSING ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

17. INSULATE OR OTHERWISE COVER HOT WATER AND DRAIN PIPES UNDER LAVATORIES.

18. IF APPLICABLE, LOW DRINKING FOUNTAIN BUBBLER SHALL BE ACTIVATED BY ANNUALLY OPERATED SYSTEM NOT REQUIRING A FORCE GREATER THAN 5lbf THAT IS LOCATED WITHIN 6 INCHES OF THE FRONT EDGE OF THE FOUNTAIN OR AN ELECTRONICALLY CONTROLLED DEVICE.

19. IF APPLICABLE, THE BUBBLER OUTLET ORIFICE SHALL BE LOCATED WITHIN 6" OF THE FRONT OF THE LOW DRINKING FOUNTAIN AND SHALL BE WITHIN 36" OF THE FLOOR. THE WATER STREAM FROM THE BUBBLER SHALL BE SUBSTANTIALLY PARALLEL TO THE FRONT EDGE OF THE DRINKING FOUNTAIN.

QUALITY ASSURANCE/ QUALITY CONTROL NOTES

1. THE G.C. SHALL REVIEW ALL DOCUMENTS AND CONFIRM THAT THE WORK CAN BE BUILT AS SHOWN. IN THE EVENT OF ANY CONFLICTS OR OMISSIONS WITHIN THE DRAWINGS, G.C. TO CONTACT TENANT'S PROJECT MANAGER & ARCHITECT FOR CLARIFICATION PRIOR TO THE PERFORMANCE OF ANY WORK IN QUESTION.

2. UPON POSSESSION OF THE TENANT'S SPACE, THE G.C. IS TO FIELD VERIFY ALL DIMENSIONS USING THE CONSTRUCTION DOCUMENTS. <u>DO NOT SCALE THE DRAWINGS</u>. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS. IF ANY DISCREPANCIES EXIST, G.C. TO MARK UP THE DRAWINGS TO REFLECT THE ACTUAL CONDITION. FORWARD THEM TO THE ARCHITECT WITHIN (3) DAYS FOR REVIEW & CLARIFICATION AS REQUIRED.

3. UPON POSSESSION OF THE TENANT'S SPACE AND PRIOR TO SUBMITTING BIDS, THE G.C. IS TO VERIFY THE EXISTING CONDITIONS OF THE SPACE INCLUDING BUT NOT LIMITED TO SLAB CONDITION AND ANY ISSUES THAT MAY EFFECT TENANT'S NEW FINISH FLOOR, CONDITION OF LANDLORD'S DEMISING WALL AND ANY OBSTRUCTIONS THAT MAY EXIST AND BE OF ISSUE. IF ANY ISSUES EXIST, CONTACT ARCHITECT AND TENANT'S PROJECT MANAGER.

4. DRAWINGS ARE INTENDED TO CONVEY DESIGN INTENT ONLY. CONTRACTOR AND/OR FABRICATOR SHALL HAVE SOLE RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK TO PRODUCE THE INTENT OF THE DRAWINGS. CONTRACTOR/FABRICATOR IS SOLELY RESPONSIBLE FOR STRUCTURAL INTEGRITY AND PERFORMANCE OF ALL ELEMENTS.

5. ANY DEVIATION FROM THE INTENT OF THE DRAWINGS MUST BE APPROVED BY ARCHITECT & TENANT'S CONSTRUCTION MANAGER.

6. CONTRACTOR TO CONDUCT SITE MEETINGS AND WRITE MEETING MINUTES AT FREQUENCY AS DIRECTED BY OWNER, UNLESS OTHERWISE DIRECTED BY OWNER OR OWNER'S REPRESENTATIVE. CONTRACTOR AND ALL SUB-CONTRACTORS MUST BE PRESENT, UNLESS WAIVED BY OWNER.

7. CONTRACTOR TO SUBMIT WEEKLY PROGRESS REPORTS THAT INCLUDE A SUMMARY OF THAT WEEK'S WORK, A ONE WEEK LOOK AHEAD FORECAST OF WORK TO BE DONE (INCLUDING INSPECTION IF APPLICABLE), AND GENERAL PHOTOS DEPICTING THE CURRENT STATE OF WORK.

8. EXCEPT AS MORE STRINGENT REQUIREMENTS ARE INDICATED ON THESE DRAWINGS AND IN THESE NOTES, COMPLY WITH GENERALLY ACCEPTED INDUSTRY STANDARDS AND INSTALL PRODUCTS IN STRICT COMPLIANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS.

9. WHEN EVALUATING APPEARANCE OR CONFORMANCE WITH DESIGN INTENT, THE WORDS "ACCEPTABLE", "VISIBLE", "INVISIBLE", "MATCHING", "ALIGNED", AND SIMILAR TERMS OF JUDGMENT SHALL MEAN "ACCEPTABLE, ETC., IN THE OPINION OF THE ARCHITECT OR OWNER".

10. <u>THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING AND FAMILIARIZING THEMSELVES WITH ALL DOCUMENTATION RELATED TO OR PERTAINING TO THIS PROJECT INCLUDING BUT NOT LIMITED TO: CONSTRUCTION DRAWINGS (STARTING WITH THE FIRST ISSUE AS WELL AS ALL SUBSEQUENT REVISIONS), SPECIFICATIONS, BULLETINS, ADDENDA AND/OR SKETCHES, SHOP DRAWINGS AND CUT SHEETS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROVIDING ALL OF THE BEFORE MENTIONED DOCUMENTATION TO ALL SUB-CONTRACTOR TRADES INVOLVED WITH THIS PROJECT AND TO MAKE SURE THEY ARE FAMILIAR WITH ALL CONDITIONS AND SCOPE OF WORK AS THEY RELATE TO THIS JOB. THE BEFORE MENTIONED PROJECT DOCUMENTATION, IN ITS ENTIRETY, REPRESENTS THE FULL SCOPE OF WORK ASSOCIATED WITH THIS PROJECT. AS SUCH, SCOPE OF WORK OR INFORMATION RELATIVE TO A PARTICULAR SUB-CONTRACTOR THAT IS NOT SHOWN ON SPECIFIC TRADE DOCUMENTS (BUT SHOWN ELSEWHERE WITHIN THE PROJECT DOCUMENTATION) DOES NOT RELIEVE THAT SUB-CONTRACTOR OF RESPONSIBILITY FOR INCLUSION OF THAT SCOPE OF WORK OR INFORMATION WITHIN THE SUB CONTRACTOR'S BID.</u>

FINISH NOTES

1. ENSURE SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE, AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

2. REPAIR EXISTING SURFACES TO REMAIN AS REQUIRED FOR APPLICATION OF NEW FINISHES.

3. ANY REQUEST FOR MATERIAL SUBSTITUTIONS ARE TO BE SENT TO ARCHITECT AND/OR CLIENT FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION. SAMPLES OF ALL FINISHES MUST BE SUBMITTED AND MUST BE APPROVED BY ARCHITECT & TENANT'S CONSTRUCTION MANAGER.

4. WIPE CLEAN ALL SURFACES WITH DAMP CLOTH.

5. RETOUCH OR REFINISH SURFACES DAMAGED BY SUBSEQUENT WORK AS DIRECTED BY GC. THE COST OF SUCH RESTORATION WORK SHALL BE BORNE BY SUB CONTRACTOR.

6. THE GC SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL FINISHES IN THE SPACE PRIOR TO TURNOVER. G.C. SHALL TOUCH UP ALL CORNER BEADS, WALLS, CEILING AND FLOORING AS REQUIRED PRIOR TO TURNOVER AND ANY DAMAGE CAUSED BY OTHER TRADES INCLUDING MILLWORK VENDOR.

7. EXAMINE ALL SURFACES TO BE PAINTED UNDER THIS CONTRACT TO VERIFY THAT WORK OF OTHER TRADES IS IN SATISFACTORY CONDITION TO RECEIVE SPECIFIED FINISH.

8. USE CLEAR CAULK BETWEEN MILLWORK AND GWB IF REQUIRED TO CREATE A SMOOTH FINISH.

9. GYPSUM WALL BOARD SURFACES SHALL BE WIPED WITH A DAMP CLOTH JUST PRIOR TO APPLICATION OF THE FIRST COAT OF PAINT IN ORDER TO LAY FLAT ANY NAP WHICH MAY HAVE FORMED IN SANDING.

10. PAINTING SUBCONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OR REMOVAL & REINSTALLATION OF HARDWARE, SWITCH / OUTLET COVERS, ETC. TO PROTECT FROM PAINTING.

11. ALL PAINTED SURFACES TO RECEIVE (1) COAT PRIMER & (2) COATS FINISH PAINT (MINIMUM) WITH ADDITIONAL COATS AS REQUIRED FOR PROPER COVERAGE.

12. AT COMPLETION OF PAINTING, ALL PAINT MATERIALS & EQUIPMENT SHALL BE REMOVED, ALL PAINT SPOTS REMOVED AND ALL AREAS THOROUGHLY CLEANED. ANY DIRT OR DEBRIS CAUSED BY WORK SHALL BE CLEANED UP AS WORK PROGRESSES.

13. ALL FINISHED FLOORING TO BE PROTECTED BY G.C. FOLLOWING INSTALLATION.

14. ALL INTERIOR FINISHES (WALL, FLOOR, AND CEILING), FURNISHINGS, AND MILLWORK ARE TO BE CLASS 'A' FIRE-RATED AND ARE TO COMPLY WITH CODE-REQUIRED (INTERIOR FLAME SPREAD) RATINGS.

FIRE / LIFE SAFETY NOTES

1

1. FIRE PROTECTION EQUIPMENT AND SERVICE ACCESS MUST BE PROVIDED DURING THE CONSTRUCTION PERIOD AS REQUIRED BY THE COUNTY.

2. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A WITHIN 75 FOOT TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT, AND ADDITIONAL EXTINGUISHERS AS REQUIRED BY CAMPUS CODE ENFORCEMENT OFFICER.

3. ALL FIRE-RATED ASSEMBLES SHALL BE INSTALLED, LABELED, AND INSPECTED IN ACCORDANCE WITH THE APPLICABLE BUILDING CODE WHEN REQUIRED.

4. EVERY EXIT DOOR SHALL BE OPERABLE FROM THE INSIDE WITH ONE MOTION THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. SPECIAL LOCKING DEVICES SHALL BE OF AN APPROVED TYPE. ALL NEW DOORS SHALL HAVE APPROVED LEVER HANDLES.

5. DOORS OPENING INTO REQUIRED 1-HOUR, FIRE-RESISTIVE CORRIDORS SHALL BE PROTECTED WITH A SMOKE OR DRAFT STOP ASSEMBLY HAVING A 20-MINUTE RATING AND SHALL BE SELF-CLOSING.

6. 20-MINUTE DOOR JAMBS TO BE TIGHT-FITTING, SMOKE AND DRAFT CONTROLLED.

7. PROVIDE FIRE DAMPERS OR DOORS WHERE AIR DUCTS PENETRATE FIRE-RATED WALLS OR CEILINGS.

8. STORAGE, DISPENSING OR USE OF ANY FLAMMABLE OR COMBUSTIBLE LIQUIDS, FLAMMABLE GAS AND HAZARDOUS SUBSTANCES SHALL COMPLY WITH NEW YORK STATE CODE FIRE CODE REGULATIONS.

9. WOOD BLOCKING SHALL BE FIRE TREATED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS.

10.EXTEND OR MODIFY EXISTING FIRE / LIFE SAFETY SYSTEM AS REQUIRED TO PROVIDE AN APPROVED FIRE / LIFE SAFETY SYSTEM FOLLOWING COLLEGE APPROVAL. SUBMIT PLANS TO COLLEGE WITH COMPLETE DESCRIPTION OF SEQUENCE OF OPERATION, AND OBTAIN APPROVAL PRIOR TO INSTALLATION.

11.LOCATE THE CENTER OF FIRE ALARM INITIATING DEVICES 48" ABOVE THE LEVEL OF THE FLOOR, WORKING PLATFORM, GROUND SURFACE OR SIDEWALK, IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS.

REFLECTED CEILING NOTES

1. SUPPORT LIGHT FIXTURES AND AIR DIFFUSERS DIRECTLY BY WIRES TO THE STRUCTURE ABOVE.

2. LOCATE REGISTERS AND LIGHTING FIXTURES WITHIN GRID LINES. CENTER SPRINKLER HEADS, SPEAKERS, RECESSED FIXTURES, AND SIMILAR CEILING ELEMENTS IN ACOUSTICAL UNITS, U.O.N.

3. FINISH HVAC DIFFUSERS, TRIM PIECES, AND SPEAKER GRILLES TO MATCH ADJACENT FINISH, U.O.N.

4. ALL LIGHT FIXTURES SHALL BEAR UL LABELS.

5. CONTRACTOR TO USE LASER FOR LEVELING OF ALL SOFFITS, CEILINGS AND SUSPENDED GRIDS.

6. ALL FIXTURES TO BE INSTALLED IN ACOUSTIC CEILINGS TO BE CENTERED IN CEILING GRID, U.O.N.

7. HANGER WIRE AT SUSPENDED GYP BD CEILINGS TO BE 8 GA.; HANGER WIRE AT SUSPENDED ACOUSTICAL CEILINGS TO BE 10 GA.

8. HANGER WIRES SHALL BE ATTACHED TO STRUCTURAL STEEL ONLY W/ U.L. LISTED CLAMPS. DO NOT HANG SUPPORT WIRES FROM MECHANICAL EQUIPMENT OR PIPING. NO SCREWS PERMITTED IN METAL DECKING.

9. ALL SUSPENDED CEILING SYSTEMS TO BE INSTALLED PER INDUSTRY STANDARDS, ALL CODE REQUIREMENTS, AND ALL RECOMMENDATIONS OF THE MANUFACTURER OF THE SYSTEM.

10.ALL LIGHT FIXTURES, HVAC EQUIPMENT AND DIFFUSERS SHALL BE SUPPORTED FROM THE TOP CHORD OF THE JOIST AND/OR STRUCTURAL MEMBERS ABOVE.

11.GC SHALL VERIFY ALL CEILING HEIGHTS, AND CONFIRM THAT THE WORK CAN BE BUILT AS SHOWN. IN THE EVENT OF ANY CONFLICTS OR OMISSIONS WITHIN THE DRAWINGS, GC TO CONTACT ARCHITECT FOR CLARIFICATION PRIOR TO THE PERFORMANCE OF ANY WORK IN QUESTION.

12.CEILING HEIGHT DIMENSIONS ARE TO FINISHED SURFACES.

13.IF THE SPACE ABOVE THE SUSPENDED CEILING IS USED AS A RETURN AIR PLENUM, THEN ALL EQUIPMENT AND WIRING (COMMUNICATION, POWER ETC) SHALL BE LISTED FOR INSTALLATION IN A PLENUM.

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REVISIONS

NO.	DATE	DESCRIPTION
1	03.30.2018	Addendum 1

SEAL:

ISSUED FOR: ADDENDUM 1

ISSUED DATE: 03.30.2018

DRAWN BY: JW

CHECKED BY: CM

PROJECT NUMBER: 1517347

DRAWING NAME:
GENERAL NOTES

DRAWING NO.
G001

DESIGN DEVELOPMENT PLANS

for

Cafe Addition and Remodel

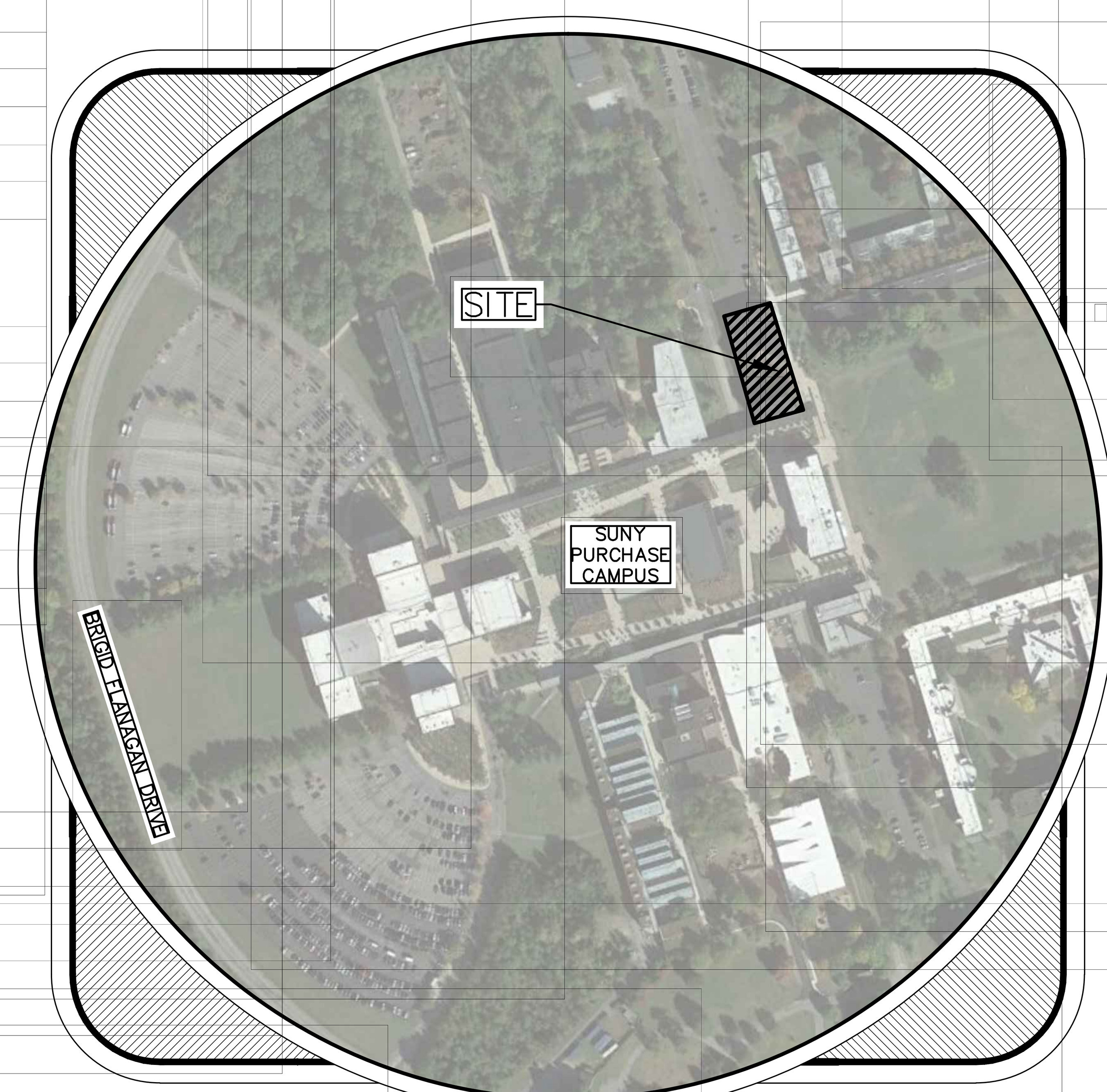
Purchase, NY 10577

SITE INDEX

NO.	DRAWING TITLE	LATEST ISSUE
C-1	Cover Sheet	3/30/2018 1
C-2	General Notes	3/30/2018
C-3	Site Layout & Materials Plan	3/30/2018
C-4	Site Grading Plan	3/30/2018
C-5a	Site Utilities Plan	3/30/2018
C-5b	Site Utilities Plan	3/30/2018
C-6	Site Demolition & Erosion Control	3/30/2018
C-7	Site Details	3/30/2018
C-8	Site Details	3/30/2018

SURVEY INDEX

NO.	DRAWING TITLE	LATEST ISSUE
TS105	Topographic Survey 5 Prepared by Badey & Watson	1/18/2012



VICINITY MAP

1" = 400'

UTILITY CONTACTS

UTILITY	UTILITY CO.	CONTACT	TELEPHONE
ELECTRIC	CON EDISON	Bayly Tyler	PH. (800) 752-6633
	511 Theodore Fremd Aven	WORK REQUEST	PH. 914-925-6036
	Rye, NY 10580		
WATER	WESTCHESTER JOINT WATER WORKS		PH. (914) 698-3500
	1625 Mamaroneck Ave.	COMMISSIONER	EMGCY. (914) 424-4371
	Mamaroneck NY 10543		
SEWER	WESTCHESTER SEWER DISTRICT #1B		PH. (914) 995-8353
	1 FERNBROOK ST.		
	YONKERS, NY 10705		
GAS	CON EDISON	Bayly Tyler	PH. (800) 752-6633
	511 Theodore Fremd Aven	WORK REQUEST	PH. 914-925-6036
	Rye, NY 10580		
TELEPHONE	VERIZON		PH. (212) 890-0200
	BUSINESS SERVICES		FAX
	NEW YORK, NY 10001		
FIRE CHIEF	PURCHASE FIRE DEPARTMENT	MARTIN GOTTE	PH. (914) 253-9044
	614 ANDERSON HILL ROAD	CHIEF	
	PURCHASE, NY 01105		
BUILDING OFFICIAL	HARRISON BUILDING DEPARTMENT	ROCCO GERMANI	PH. (914) 670-3053
	1 HEINEMAN PLACE	BUILDING INSPECTOR	
	HARRISON, NY 10528		

OWNER: State University of New York Purchase College
735 Anderson Hill Road
Purchase, NY 10577

APPLICANT: State University of New York Purchase College
735 Anderson Hill Road
Purchase, NY 10577

DOUCET & ASSOCIATES
Austin, Texas - Gonzales, Texas - Northampton, Massachusetts
www.doucetandassociates.com

REV	ADDENDUM	DATE	DRAWN	APPR'D
1	REVISIONS PER OUT-TO-BID COORDINATION. REVISE GREASE TRAP STRUCTURE ROUTING	3/30/2018	SPC/LAR	LAR

ARCHITECT
phase zero design
EIGHT WILCOX STREET
SIMSBURY, CONNECTICUT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
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CLIENT
Purchase College
STATE UNIVERSITY OF NEW YORK
SUNY PURCHASE COLLEGE
735 ANDERSON HILL ROAD,
PURCHASE, NY 10577

CONSULTANT
DOUCET & ASSOCIATES
Civil Engineering & Planning
123 Union Street - Suite 302
Easthampton, MA 01027
Phone: (413) 203-2349
www.doucetandassociates.com

PROJECT

SUNY PURCHASE COLLEGE
CAFE ADDITION AND REMODEL
735 ANDERSON HILL ROAD
PURCHASE, NY 10577

REVISIONS

REV	DATE	DESCRIPTION / COMMENTS
1	3-30-2018	ADDENDUM-1

SEAL

ISSUED FOR: OUT-TO-BID
ISSUED DATE: 2.16.2018

DRAWN BY: JBB
CHECKED BY: LAR
PROJECT NUMBER:

DRAWING NAME

COVER SHEET

DRAWING NO.

C-1

LEGEND

EXISTING	PROPOSED	
		LOCUS PROPERTY LINE
		ABUTTER PROPERTY LINE
X	X	CHAIN LINK FENCE
		STOCKADE FENCE
10+00	10+00	BASELINE
100	100	MAJOR CONTOUR (5 FEET)
100	100	MINOR CONTOUR (1 FOOT)
		TREE LINE
W	W	UNDERGROUND WATER LINE
S	S	UNDERGROUND SEWER LINE
T	T	UNDERGROUND TELEPHONE LINE
D		UNDERGROUND DRAIN LINE
E	E	UNDERGROUND ELECTRIC LINE
G		UNDERGROUND GAS LINE
OHW	OHW	OVERHEAD WIRE
		BOLLARD
		SIGN
		DOUBLE SIGN
		IRON PIPE
		PULL BOX
		UTILITY POLE
B-80		BORING LOCATION
		CATCH BASIN
		DOUBLE CATCH BASIN
D		DRAIN MANHOLE
S		SEWER MANHOLE
		HYDRANT
WV		WATER VALVE
		PLUG/STUB
		LAMP POST
TBM	TBM	TEMPORARY BENCHMARK
		GUARDRAIL
		TREE (DECIDUOUS)
		TREE (CONIFEROUS)
	8	PARKING COUNT
		HANDICAP RAMP
		HANDICAP PARKING
VAN	VAN	VAN-ACCESSIBLE HANDICAP PARKING

ABBREVIATIONS

GENERAL

ABAN	ABANDON
ACR	ACCESSIBLE CURB RAMP
ADJ	ADJUST
APPROX	APPROXIMATE
BB	BITUMINOUS BERM
BC	BITUMINOUS CURB
BOS	BOTTOM OF SLOPE
BS	BOTTOM OF SLOP
CC	CONCRETE CURB
CCB	CAPE COD BERM
CC&G	CONCRETE CURB & GUTTER
ELEV	ELEVATION
EXIST	EXISTING
FDN	FOUNDATION
GC	GRANITE CURB
GE	GRANITE EDGING
MAX	MAXIMUM
MCC	MONOLITHIC CONCRETE CURB
MIN	MINIMUM
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PCC	PRECAST CONCRETE CURB
PROP	PROPOSED
REM	REMOVE
RET	RETAIN
REMOD	REMODEL
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
SGE	SLOPED GRANITE EDGING
SKF	STOCKADE FENCE
TOS	TOP OF SLOPE
TS	TOP OF SLOPE
TYP	TYPICAL
VGC	VERTICAL GRANITE CURB

UTILITY

ACCCMP	ASPHALT COATED CORRUGATED METAL PIPE
CAP	CORRUGATED ALUMINUM PIPE
C&C	CUT AND CAPPED
CIP	CAST IRON PIPE
CIT	CHANGE IN TYPE
COND	CONDUIT
DIP	DUCTILE IRON PIPE
FES	FLARED END SECTION
F&G	FRAME AND GRATE
F&C	FRAME AND COVER
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HH	ELECTRIC HANDHOLE
HYD	HYDRANT
INV	INVERT ELEVATION
PIV	POST INDICATOR VALVE
PWW	PAVED WATER WAY
PVC	POLYVINYLCHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
TSV&B	TAPPING SLEEVE, VALVE AND BOX
UP	UTILITY POLE
VCP	VITRIFIED CLAY PIPE

SITE PLAN NOTES

1. EXISTING CONDITIONS INFORMATION WAS TAKEN FROM A SURVEY PERFORMED BY NORTHEAST SURVEY CONSULTANTS. DATED NOVEMBER 13, 2014 AND COMPILED FROM INFRASTRUCTURE CONSTRUCTION PLANS.
2. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL LOCAL, STATE, AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS AND ALL OTHER O.S.H.A. STANDARDS.
3. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, PRECISE BUILDING DIMENSIONS, STAIRWAYS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
4. ALL DISTURBED AREAS ARE TO RECEIVE MINIMUM FOUR INCHES OF TOPSOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
5. ALL EDGES OF PAVEMENT TO BE CURBED. BACK OF CURB SHALL BE FLUSH WITH GRADE UNLESS NOTED OTHERWISE. ALL CURBING AS NOTED ON THE DRAWINGS.
6. ALL PAVED RADII ARE TO BE 2' UNLESS OTHERWISE NOTED.
7. ALL DIMENSIONS AND RADII ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
8. EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED, REMODELED OR RELOCATED AS NECESSARY. ALL COST SHALL BE INCLUDED IN BASE BID.
9. EXISTING PAVED AREAS ON SITE (SITE DRIVE, SIDEWALKS, PARKING AREAS) SHALL RECEIVE A SURFACE COURSE AS SPECIFIED IN THE PAVING DETAILS. ADJUST STRUCTURE FRAMES TO MATCH FINISHED GRADE.
10. ALL CONSTRUCTION IN TOWN RIGHT-OF-WAYS AND/OR EASEMENTS SHALL BE IN ACCORDANCE WITH THE TOWN OF PURCHASE STANDARD SPECIFICATIONS.
11. IN THE EVENT OF DISCREPANCIES BETWEEN LOCAL SPECIFICATIONS & STATE SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
12. CONTRACTOR SHALL REFER TO ARCHITECTURAL DETAILS AND SPECIFICATIONS FOR REQUIREMENTS OF CONSTRUCTION AND JOINT SPACING OF SIDEWALKS, RAMPS, AND CURBING ADJACENT TO BUILDING.
13. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
14. THE CONTRACTOR SHALL PROTECT ALL BENCHMARKS AND PROPERTY MONUMENTATION. BENCHMARKS AND MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED BY A LICENSED SURVEYOR AT THE CONTRACTORS EXPENSE.
15. ALL STRIPING, PAVEMENT MARKINGS, AND TRAFFIC SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, UNLESS OTHERWISE NOTED ON THE PLANS. STRIPED AREAS SHALL BE 2 FEET O.C. UNLESS OTHERWISE NOTED..

GENERAL NOTES:

SITE ADDRESS:	735 ANDERSON HILL ROAD PURCHASE, NEW YORK 10577
PARCEL ID:	11110-0454
1. TOTAL PARCEL AREA:	479,595 SF. (11.0 AC.)
2. DEED REFERENCES:	Plan 211 Page 97
3. CURRENT ZONING:	R-2 ONE - FAMILY RESIDENCE
4. PROPOSED USES:	EDUCATIONAL
5. PROPOSED STRUCTURES:	+/-1,400 SF EXPANSION

6. FLOOD CERTIFICATION: THIS SITE IS ZONED 'X' AS PER FIRM, FLOOD INSURANCE RATE MAP.
7. TOPOGRAPHIC & BOUNDARY SURVEY, INCLUDING PROPERTY LINES, EXISTING UTILITIES, SITE TOPOGRAPHY WITH SPOT ELEVATIONS, OUTSTANDING PHYSICAL FEATURES AND EXISTING STRUCTURE LOCATIONS WAS PROVIDED BY THE FOLLOWING COMPANY & WAS DATED DECEMBER 23, 2014:

   BADEY & WATSON
   3043 ROUTE 9
   COLD SPRING, NY 10516

   PRIOR TO RECORDING THE FINAL APPROVED SITE PLAN, AN AS-BUILT PLAN SHALL BE PROVIDED TO THE OWNER AND DOUCET & ASSOCIATES, INC.
8. DISPOSAL OF MATERIALS SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
9. ALL CONSTRUCTION IN TOWN RIGHT-OF-WAY SHALL BE COORDINATED WITH THE PURCHASE DPW AND PURCHASE WATER & SEWER COMMISSION.
10. ANY DEVELOPMENT, EXCAVATION, CONSTRUCTION IS SUBJECT TO LOCAL, STATE, AND FEDERAL APPROVALS. THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS AND/OR RESTRICTIONS AND ANY VIOLATION WILL BE SUBJECT TO PENALTY. THE CONTRACTOR SHALL HOLD THE OWNER/APPLICANT, THE ENGINEER AND THE LOCAL GOVERNING AGENCIES HARMLESS AGAINST SUCH VIOLATION.
11. CONSTRUCTION OF BUILDING, AND UTILITY ENTRANCES SHALL BE IN ACCORDANCE WITH ASSOCIATED ARCHITECTS PLANS PREPARED BY PHASE ZERO DESIGN..
12. THE AREA SHALL BE KEPT CLEAN AND FREE FROM DEBRIS AT ALL TIMES DURING CONSTRUCTION.
13. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED AND GRADED TO ORIGINAL GRADES UNLESS OTHERWISE SHOWN ON THE THE CONSTRUCTION DRAWINGS.
14. A STORMWATER POLLUTION PREVENTION PLAN SHALL BE PREPARED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THIS PLAN AT THE JOB SITE.
15. THE CONTRACTOR SHALL NOTIFY DIG SAFE @ 1-888-DIG-SAFE OR 811 PRIOR TO COMMENCEMENT OF ANY DEMOLITION/CONSTRUCTION ACTIVITY.

SPECIAL CONSTRUCTION NOTES

1. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR OR HIS AUTHORIZED REPRESENTATIVE SHALL CONVENE A PRE-CONSTRUCTION CONFERENCE BETWEEN THE TOWN OF PURCHASE REPRESENTATIVES, ENGINEER, ARCHITECT, UTILITY COMPANY REPRESENTATIVES, A.I.C. REPRESENTATIVE AND ANY OTHER AFFECTED PARTIES.
2. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED AND GRADED TO ORIGINAL GRADES UNLESS OTHERWISE SHOWN ON THE THE CONSTRUCTION DRAWINGS.
3. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE STORMWATER POLLUTION PREVENTION PLAN AT THE JOB SITE. CONTRACTOR SHALL PROVIDE INLET PROTECTION TO ADJACENT SITE DRAINS AND/OR CATCH BASINS.
4. THE CONTRACTOR SHALL NOTIFY DIG SAFE @ 1-888-344-7233 PRIOR TO COMMENCEMENT OF ANY DEMOLITION/CONSTRUCTION ACTIVITY.
5. CONTRACTOR SHALL PROVIDE TWO SETS OF AS-BUILT DRAWINGS, PRIOR TO FINAL PAYMENT. AS-BUILT DRAWINGS SHALL INCLUDE ALL INSTALLED UTILITIES WITH VERTICAL AND HORIZONTAL LOCATIONS AND BE SATISFACTORY TO THE BUILDING OFFICIAL FOR ISSUANCE OF A CERTIFICATE OF OCCUPANCY. THE AS-BUILT DRAWINGS SHALL ALSO INCLUDE PIPE INVERTS, SPOT GRADES AND CONTOUR ELEVATIONS. THE FINAL PLAN SHALL BE STAMPED AND SIGNED BY A MASSACHSETTS REGISTERED PROFESSIONAL LAND SURVEYOR.
6. PRIOR TO SUBMITTING THE NOTICE OF TERMINATION, CONTRACT SHALL CLEAN ALL STORMWATER DRAINAGE STRUCTURES, CATCH BASINS, OUTLET CONTROL STRUCTURES AND SUBSURFACE STORMWATER INFILTRATION ACCESS PORTS.
7. CONTACT THE PURCHASE WATER AND SEWER COMMISSION & DPW FOR REVIEW & APPROVAL OF ANY MODIFICATIONS TO THE APPROVED SITE PLANS PRIOR TO THE WORK BEING PERFORMED.
8. ANY WORK & MATERIAL WITHIN THE TOWN RIGHT-OF-WAY SHALL CONFORM TO THE TOWN OF PURCHASE STANDARD SPECIFICATIONS AND REQUIREMENTS.
9. THE PURCHASE WATER AND SEWER COMMISSION IS NOT PART OF DIGSAFE. FOR ANY UNDERGROUND UTILITY MARK OUT OF WATER OR SANITARY SEWER STRUCTURES, CONTACT THE COMMISSION'S FIELD SERVICES OFFICE AT 413-787-6206 A MINIMUM OF 72 HOURS BEFORE ANY EXCAVATION OCCURS.
10. CONSTRUCTION UPGRADES TO THE WATER AND SEWER SERVICES MAY ONLY BE PERFORMED BY COMMISSION APPROVED CONTRACTORS.
11. CONTRACTOR SHALL COORDINATE WITH THE COLLEGE AND ALL OTHER APPLICABLE AGENCIES FOR TEMPORARY LANE CLOSURES OR SHUT-DOWN OF LINCOLN AVENUE. CONTRACTOR SHALL PROVIDE SAFETY MEASURES INCLUDING FLAG MEN IF NEEDED.

SITE GRADING NOTES

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE COLLEGE AN DIG SAFE @ 1-888-DIG-SAFE AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
2. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
3. PRECAST STRUCTURES MAY BE USED AT CONTRACTORS OPTION.
4. STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED: HIGH DENSITY POLYETHYLENE PIPE (HDPE) SMOOTH INTERIOR/ANNULAR EXTERIOR. PIPE JOINTS AND FITTINGS SHALL CONFORM TO AASHTO M252 AND M294.
5. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
6. EXISTING GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT INTERVALS.
7. PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT INTERVALS.
8. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
9. ALL STORM PIPES ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
10. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING (H20) RING & COVER MANHOLES
11. CONTRACTOR SHALL ADJUST AND/OR SAWCUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
12. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
13. EXISTING CONDITIONS INFORMATION WAS TAKEN FROM A SURVEY PERFORMED BY NORTHEAST SURVEY CONSULTANTS. DATED NOVEMBER 13, 2014 AND COMPILED FROM INFRASTRUCTURE DESIGN PLANS.
14. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES STEEPER THAN 3H:1V. CONTRACTOR SHALL GRASS DISTURBED AREAS IN ACCORDANCE WITH THE SPECIFICATIONS UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
15. ALL STORM MANHOLES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
16. IF CONTRACTOR RELOCATES OR SETS NEW BENCHMARKS, THE VERTICAL ELEVATIONS OF THE BENCHMARKS SHALL BE SET, BY A LICENSED SURVEYOR, WITHIN A TOLERANCE OF 0.010 FT.
17. ALL UTILITY ADJUSTMENTS SHALL BE COMPLETED PRIOR TO FINAL PAVING CONSTRUCTION.

SITE UTILITY NOTES

1. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
2. CONTRACTOR SHALL NOTIFY THE COLLEGE AND APPLICABLE UTILITY AUTHORITY INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
3. SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
   SDR35 PER ASTM D 3034, FOR PIPES LESS THAN 12' DEEP
   SDR26 PER ASTM D 3034, FOR PIPES MORE THAN 12' DEEP
4. WATER LINES SHALL BE AS FOLLOWS: ALL WATER SYSTEM COMPONENTS AND WATER LINES SHALL COMPLY WITH TOWN OF PURCHASE WATER & SEWER COMMISSION GUIDELINES & POLICIES AND ANY OTHER PUBLISHED TOWN SPECIFICATIONS OR REQUIREMENTS.
5. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 5' COVER ON ALL WATERLINES.
6. WATER AND SANITARY SEWER SEPARATION SHALL BE 10' MIN. HORIZONTAL FROM OUTSIDE EDGE OF PIPES. IF HORIZONTAL SEPARATION CAN NOT BE OBTAINED, THE WATER LINE MUST BE INSTALLED A MIN. OF 18" ABOVE SANITARY SEWER LINE. THE SANITARY SEWER LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING, THE WATER LINE SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE THRUST BLOCKING AS REQUIRED TO PROVIDE A MINIMUM OF 18" VERTICAL CLEARANCE. MEETING REQUIREMENTS OF ANSI A21.10 OR ANSI 21.11 (AWWA C-151) (CLASS 52).
7. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
8. TOPS OF EXISTING MANHOLES AND OTHER STRUCTURES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS. ALL UTILITY ADJUSTMENTS SHALL BE COMPLETED PRIOR TO FINAL PAVING CONSTRUCTION.
9. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.
10. DRAWINGS DO NOT PURPORT TO SHOW ALL EXISTING UTILITIES.
11. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
12. REFER TO ARCHITECTURAL INTERIOR DRAWINGS FOR TIE-IN OF ALL UTILITIES.
13. CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE TOWN OF PURCHASE WITH REGARDS TO MATERIALS OF THE WATER AND SEWER LINES.
14. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT DIG SAFE @ 1-888-DIG-SAFE AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
15. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.
16. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
17. REFER TO ARCHITECT PLANS FOR SITE LIGHTING ELECTRICAL PLAN
18. CONTRACTOR SHALL COMPLY WITH THE LATEST OSHA STANDARDS & TOWN OF PURCHASE DPW SPECIFICATIONS FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND MAINTENANCE OF ALL SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION.
19. CONTRACTOR SHALL ENSURE UNINTERRUPTED SERVICE OF ALL EXISTING UTILITIES ON THE SITE INCLUDING BUT NOT LIMITED TO SEWER, WATER, ELECTRIC, GAS, TELEPHONE, CATV AND OTHERS.
20. SITE LIGHT POLES ARE TO REMAIN AND BE RELOCATED AS INDICATED ON THE PLAN.

1

21. GREASE INTERCEPTOR SPECIFICATION REFERENCES:
    References:
    ASTM C1613-06 Standard Specifications for Precast Grease Interceptor Tanks
    ASTM C 890-06 Standard for Waste Water Structures
    ASTM C 318-02 Standard for Reinforced Concrete
    NEW YORK STATE DESIGN STANDARDS FOR INTERMEDIATE SIZED WASTEWATER TREATMENT SYSTEMS, 2014

The University of the State of New York
THE STATE EDUCATION DEPARTMENT
State Board for Engineering, Land Surveying, and Geology
Education Building, 89 Washington Avenue
2nd Floor, Mezzanine East-Wing
Albany, NY 12234
Email: enginbd@nysed.gov
Website: www.op.nysed.gov/prof/pels

LIMITED PERMIT TO PRACTICE PROFESSIONAL ENGINEERING

This permit shall entitle the holder to practice Professional Engineering in New York only in connection with the specific project listed below

Permit Number	**467**
Issue Date	**01/13/2017**
Expiration Date	**01/12/2020**

This is to certify that Lawrence A Rusiecki
having applied for a limited permit to practice professional engineering in the State of New York and having submitted satisfactory evidence of established and recognized professional standing in in the State of Massachusetts
and holds license number
47864
and the State Board for Engineering having recommended the issuance of such limited permit; therefore, in accordance with the provisions of section 7207, subdivision 1, of the Education Law, the individual,
Lawrence A Rusiecki
is hereby granted this limited permit to practice professional engineering in this state but only in connection with a specific project, viz.,
Purchase College State University of New York
735 Anderson Hill Road Purchase NY 10577
and is authorized to file plans, specifications and reports using his/her
State of Massachusetts
seal as provided in Section 7207 of the Education Law. A copy of this permit shall accompany all documents filed with building officials or others in conjunction with this project.

THE UNIVERSITY OF THE STATE OF NEW YORK

Jane W. Blair, P.E.
Executive Secretary

NON-TRANSFERABLE
VALID ONLY FOR PROJECT LISTED ABOVE

Professional Engineers must register triennially with the department to practice the profession in New York State. Limited Permit holders whose projects may take longer to complete than the 3 year registration period must renew their NYS registration to practice the profession in New York State

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CONSULTANT
DOUCET & ASSOCIATES
Civil Engineering & Planning
123 Union Street - Suite 302
Easthampton, MA 01027
Phone: (413) 203-2349
www.doucetandassociates.com

PROJECT
SUNY PURCHASE COLLEGE
CAFE ADDITION AND REMODEL
735 ANDERSON HILL ROAD
PURCHASE, NY 10577

REVISIONS

REV	DATE	DESCRIPTION / COMMENTS
1	3-30-2018	ADDENDUM-1

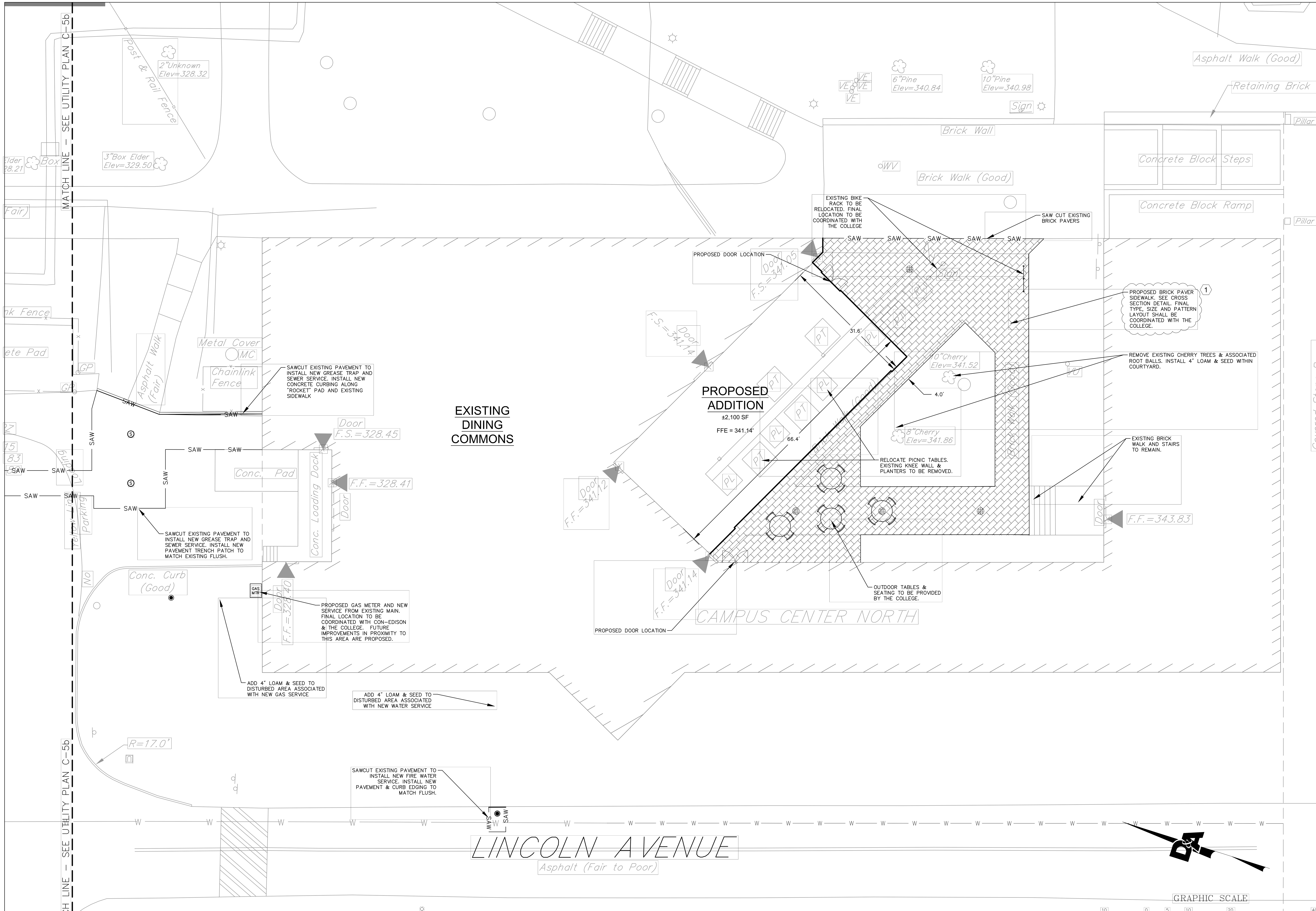
SEAL

ISSUED FOR: OUT-TO-BID
ISSUED DATE: 2.16.2018

DRAWN BY: JBB
CHECKED BY: LAR
PROJECT NUMBER:

DRAWING NAME
LEGEND & GENERAL NOTES

DRAWING NO.
C-2



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ARCHITECT

phase zero design

EIGHT WILCOX STREET
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PROJECT

SUNY PURCHASE COLLEGE
CAFE ADDITION AND REMODEL
735 ANDERSON HILL ROAD
PURCHASE, NY 10577

REVISIONS

REV	DATE	DESCRIPTION / COMMENTS
1	3-30-2018	ADDENDUM 1

SEAL

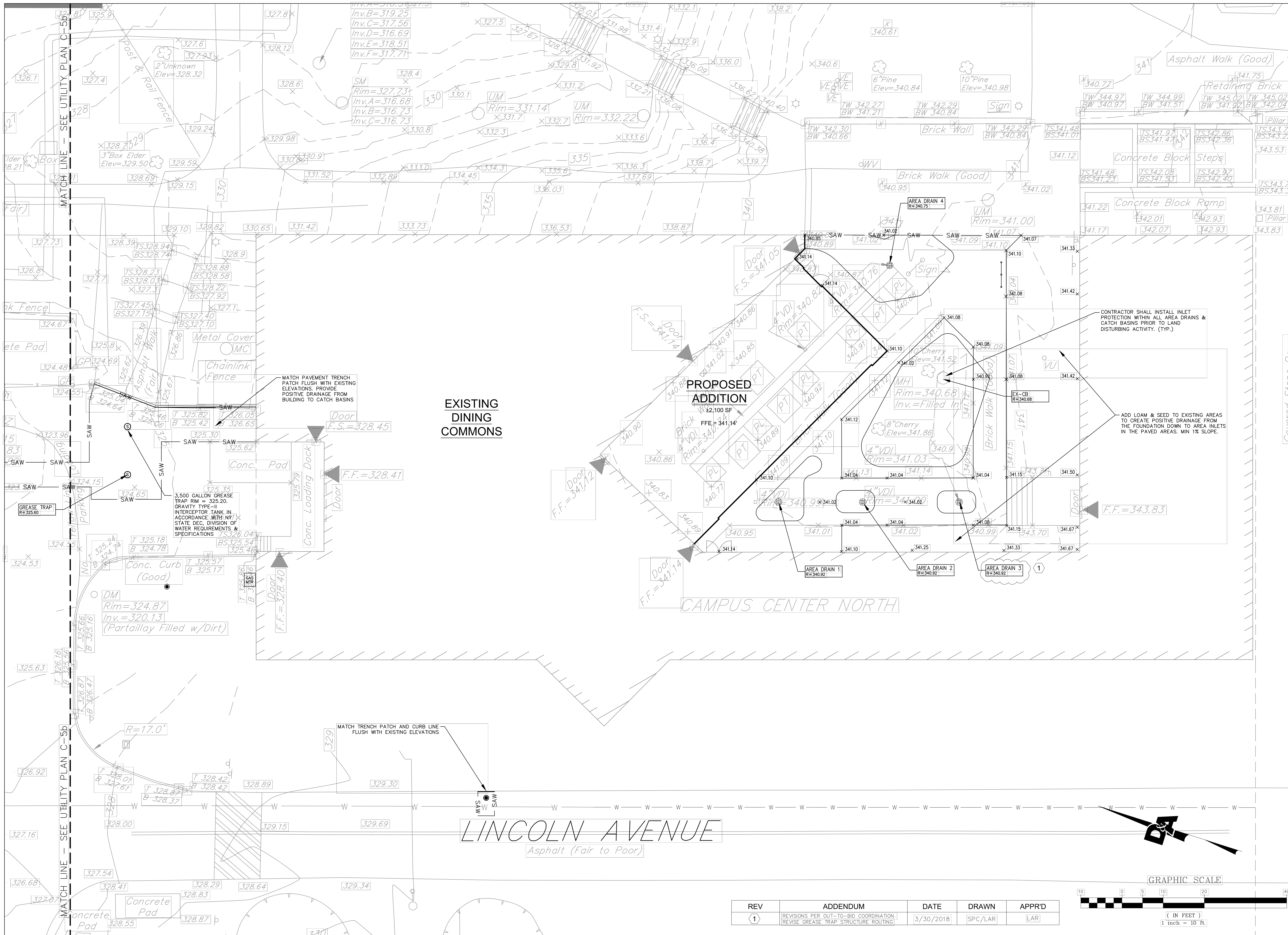
ISSUED FOR: OUT-TO-BID
ISSUED DATE: 2.16.2018
DRAWN BY: JBB
CHECKED BY: LAR
PROJECT NUMBER:

DRAWING NAME

SITE LAYOUT & MATERIALS PLAN

DRAWING NO.

C-3



REV	ADDENDUM	DATE	DRAWN	APPR'D
1	REVISIONS PER OUT-TO-BID COORDINATION. REVISE GREASE TRAP STRUCTURE ROUTING	3/30/2018	SPC/LAR	LAR

ARCHITECT

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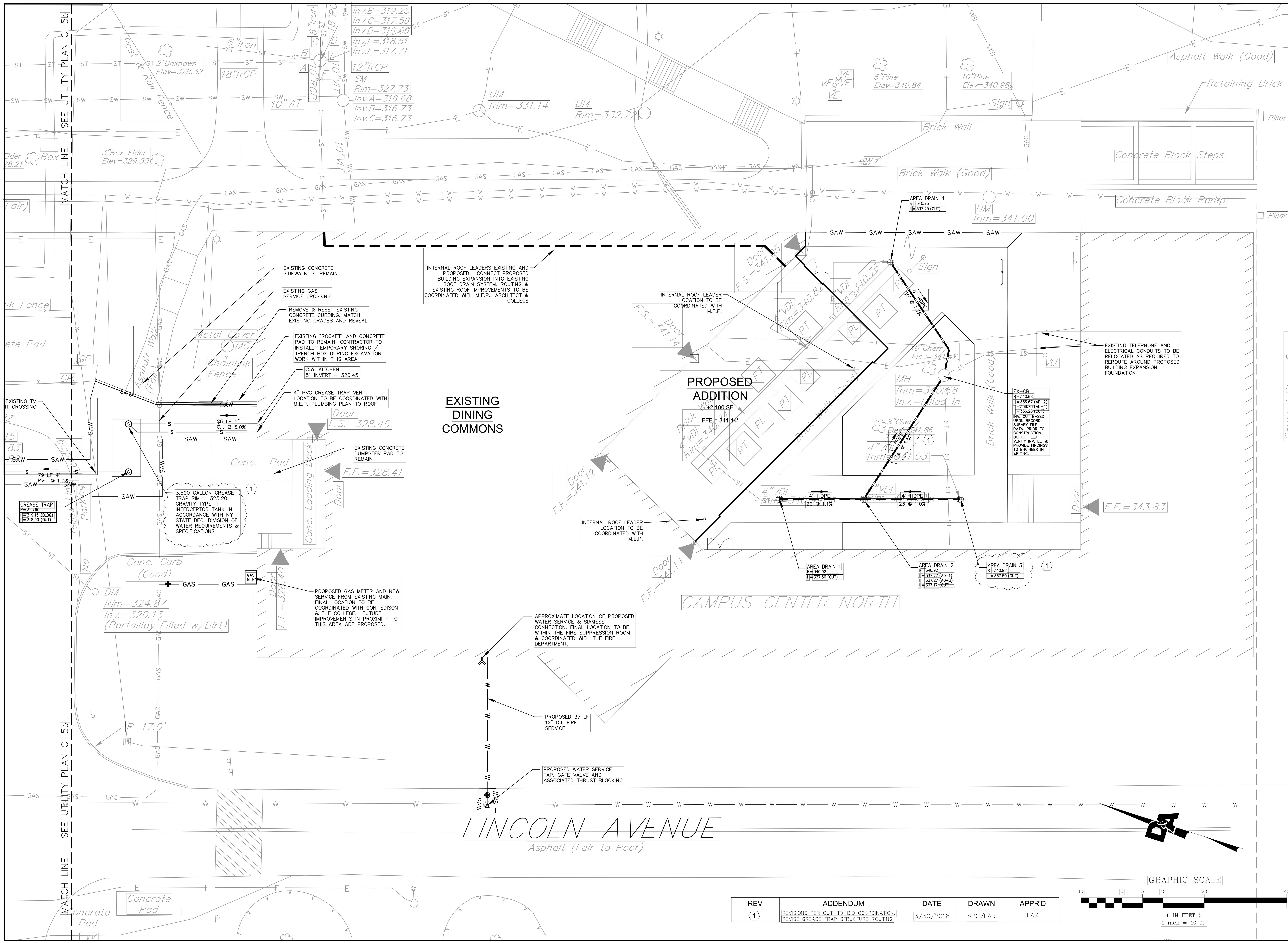
DRAWING NAME

SITE GRADING & SURFACE DRAINAGE PLAN

DRAWING NO.

C-4



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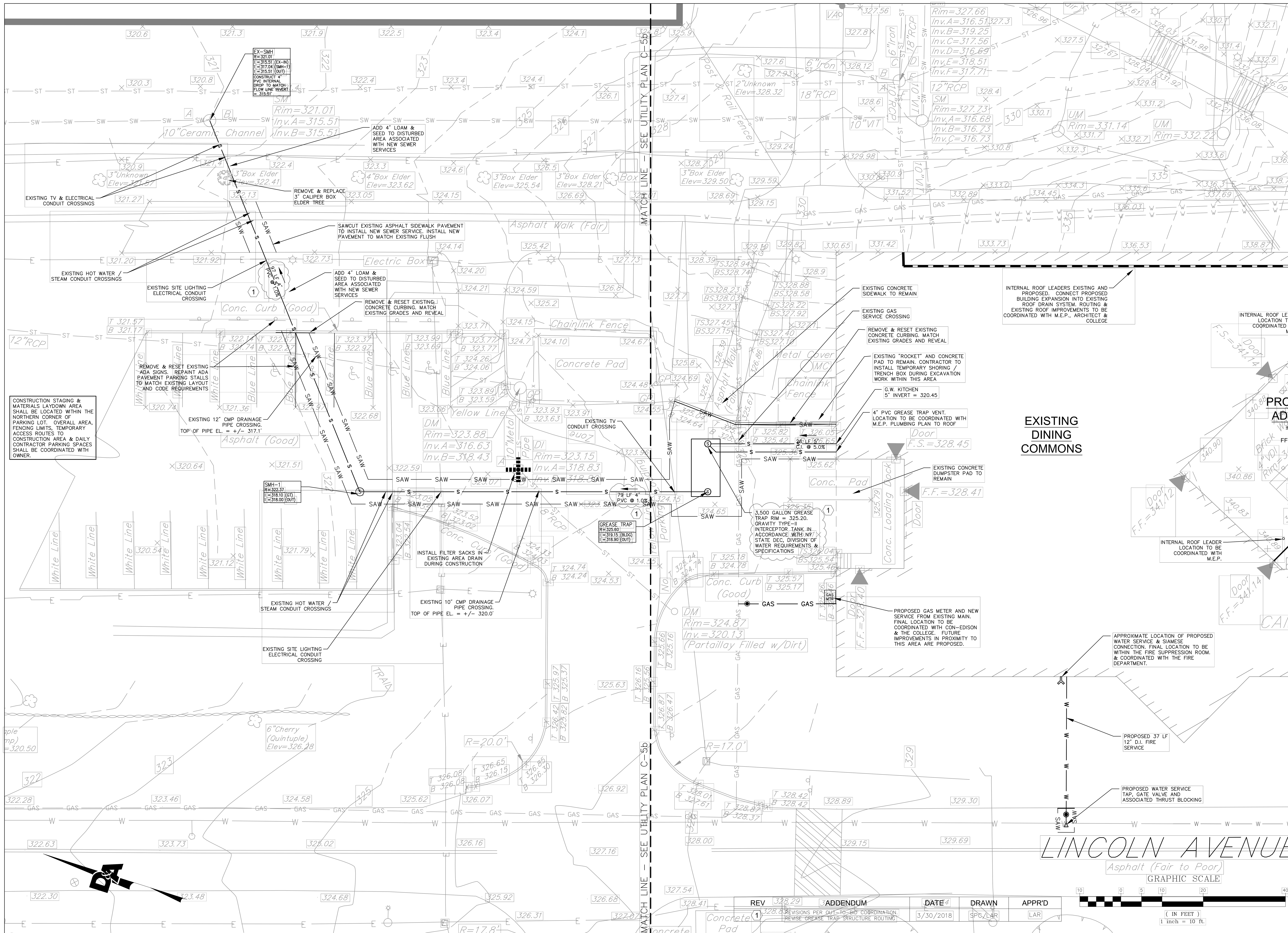
DRAWING NAME
SITE UTILITY PLAN

DRAWING NO.
C-5a



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DRAWING NAME
SITE UTILITY PLAN

DRAWING NO.
C-5b

REV	ADDENDUM	DATE	DRAWN	APPR'D
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SEDIMENTATION & EROSION CONTROL NOTES

1. TEMPORARY EROSION CONTROLS SHALL BE INSTALLED IN ACCORDANCE WITH PLANS AND SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE DURATION OF THE PROJECT. SILT AND SEDIMENTATION SHALL BE REMOVED FROM THE CONTROLS AS NECESSARY. TEMPORARY CONTROLS SHALL REMAIN IN PLACE UNTIL PERMANENT CONTROLS HAVE BEEN ESTABLISHED.

2. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTIONS OF THE OWNER OR THEIR REPRESENTATIVES, OR BY FEDERAL/STATE/LOCAL GOVERNMENT INSPECTORS AT NO ADDITIONAL COST TO THE OWNER.

3. INSTALL SILT FENCING AND/OR EROSION CONTROLS BMP'S DOWN SLOPE OF ALL AREAS TO BE DISTURBED.

4. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND 4 INCHES OF TOPSOIL APPLIED. THESE AREAS SHALL THEN BE SEEDED, MULCHED, WATERED, AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE GRASSED EXCEPT AS SHOWN ON THE LANDSCAPING PLAN. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER.

5. FREQUENT SWEEPING OF THE PAVED AREAS DURING CONSTRUCTION WILL BE REQUIRED TO HELP MITIGATE MIGRATION OF SOILS ONTO THE SURROUNDING PAVED AREAS AND STORM SEWER SYSTEM.

6. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL CLEAN ALL STORM DRAINAGE STRUCTURES, PIPES, ETC. PRIOR TO FINAL PAYMENT.

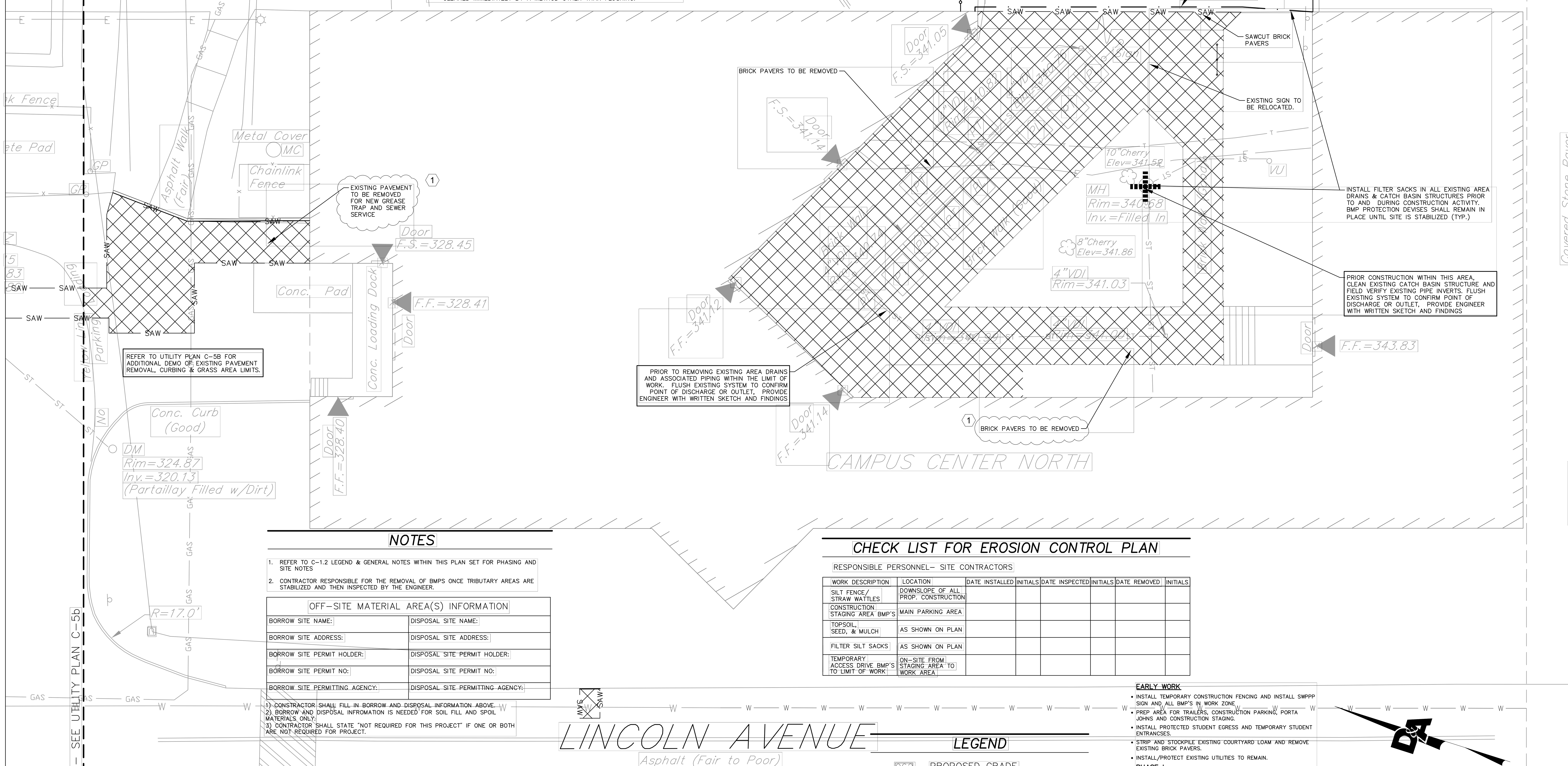
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL.

8. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS PERTAINING TO THE TOWN OF WILLIAMSTOWN, STORM WATER MANAGEMENT ORDINANCE.

BMP MAINTENANCE EROSION NOTES

ALL MEASURES STATED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
3. SILT FENCES SHALL BE REPAIRED TO THE ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF OF THE HEIGHT THE SILT FENCE.
4. THE CONSTRUCTION ACCESS ROUTES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC/COLLEGE RIGHT-OF-WAY'S. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ACCESS ROUTES AS CONDITIONS DEMAND.
5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE AREA AS CONDITIONS DEMAND.
6. SEDIMENT SHALL BE REMOVED FROM SEDIMENT TRAP(S) WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.
7. PRIOR TO LEAVING THE SITE ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS AND/OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.



NOTES

1. REFER TO C-1.2 LEGEND & GENERAL NOTES WITHIN THIS PLAN SET FOR PHASING AND SITE NOTES
2. CONTRACTOR RESPONSIBLE FOR THE REMOVAL OF BMPS ONCE TRIBUTARY AREAS ARE STABILIZED AND THEN INSPECTED BY THE ENGINEER.

OFF-SITE MATERIAL AREA(S) INFORMATION	
BORROW SITE NAME:	DISPOSAL SITE NAME:
BORROW SITE ADDRESS:	DISPOSAL SITE ADDRESS:
BORROW SITE PERMIT HOLDER:	DISPOSAL SITE PERMIT HOLDER:
BORROW SITE PERMIT NO:	DISPOSAL SITE PERMIT NO:
BORROW SITE PERMITTING AGENCY:	DISPOSAL SITE PERMITTING AGENCY:

1) CONTRACTOR SHALL FILL IN BORROW AND DISPOSAL INFORMATION ABOVE.
2) BORROW AND DISPOSAL INFROMATION IS NEEDED FOR SOIL FILL AND SPOIL MATERIALS ONLY.
3) CONTRACTOR SHALL STATE "NOT REQUIRED FOR THIS PROJECT" IF ONE OR BOTH ARE NOT REQUIRED FOR PROJECT.

CHECK LIST FOR EROSION CONTROL PLAN

RESPONSIBLE PERSONNEL- SITE CONTRACTORS

WORK DESCRIPTION	LOCATION	DATE INSTALLED	INITIALS	DATE INSPECTED	INITIALS	DATE REMOVED	INITIALS
SILT FENCE/ STRAW WATTLES	DOWNSLOPE OF ALL PROP. CONSTRUCTION						
CONSTRUCTION STAGING AREA BMP'S	MAIN PARKING AREA						
TOPSOIL, SEED, & MULCH	AS SHOWN ON PLAN						
FILTER SILT SACKS	AS SHOWN ON PLAN						
TEMPORARY ACCESS DRIVE BMP'S TO LIMIT OF WORK	ON-SITE FROM STAGING AREA TO WORK AREA						

LEGEND

962 PROPOSED GRADE
SILT FENCE
TEMPORARY FILTER SACK (GRATED INLET)
SLOPE AREA TO RECIEVE SLOPE STABILIZATION FABRIC, LOAM & SEED

EARLY WORK
- INSTALL TEMPORARY CONSTRUCTION FENCING AND INSTALL SWPPP SIGN AND ALL BMP'S IN WORK ZONE
- PREP AREA FOR TRAILERS, CONSTRUCTION PARKING, PORTA JOHNS AND CONSTRUCTION STAGING.
- INSTALL PROTECTED STUDENT EGRESS AND TEMPORARY STUDENT ENTRANCSES.
- STRIP AND STOCKPILE EXISTING COURTYARD LOAM AND REMOVE EXISTING BRICK PAVERS.
- INSTALL/PROTECT EXISTING UTILITIES TO REMAIN.

PHASE I:
- SECURE BUILDING AREA TO BE DEMOLISHED.
- ABATE AND DEMO BUILDING AREA.
- BEGIN BUILDING CONSTRUCTION.
- STABILZE EXPOSED AREA BEFORE PROCEEDING TO NEXT PHASE.

PHASE II:
- GRADE SITE, INSTALL LANDSCAPING AND OUTSIDE FEATURES.
- INSTALL SITE UTILITIES
- INSTALL NEW PAVERS AND WALKWAYS.
- LOAM AND SEED ALL DISTURBED AREAS NOT PAVED.

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

ARCHITECT

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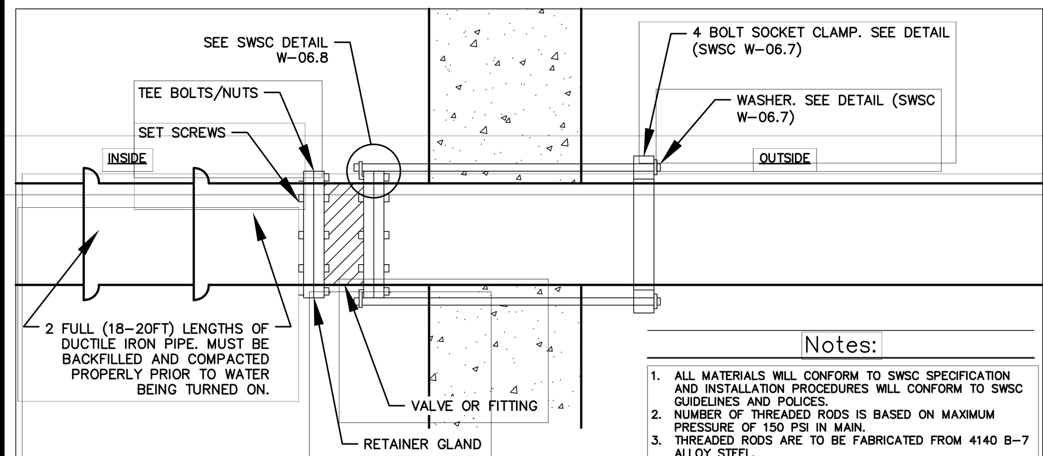
DRAWING NAME
SITE DEMOLITION & EROSION CONTROL

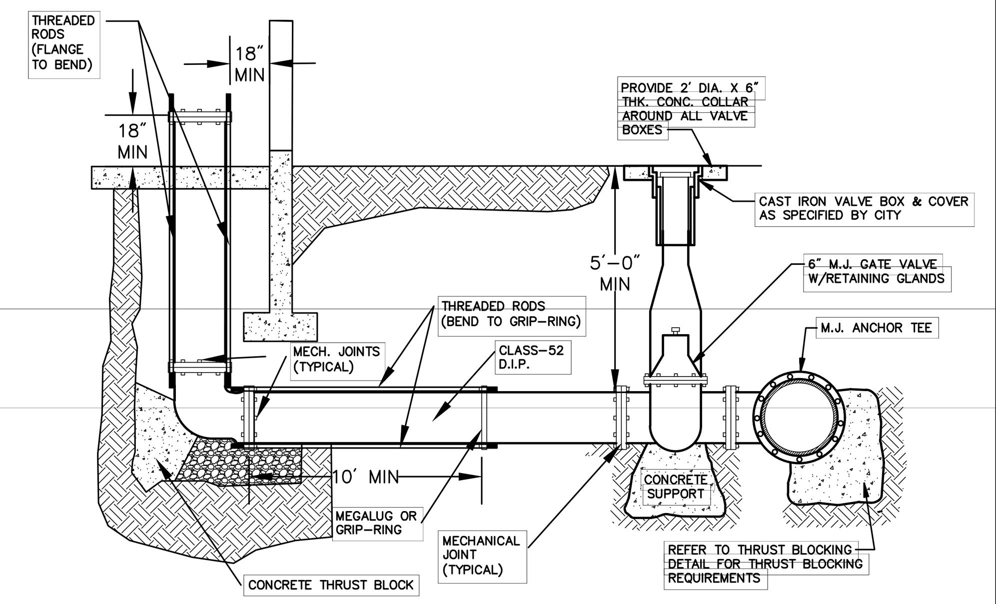
DRAWING NO.
C-6



Water - Ductile Iron Service Through Foundation

Notes:

1. ALL MATERIALS WILL CONFORM TO SWSC SPECIFICATION AND INSTALLATION PROCEDURES WILL CONFORM TO SWSC GUIDELINES AND POLICES.
2. NUMBER OF THREADED RODS IS BASED ON MAXIMUM PRESSURE OF 150 PSI IN MAIN.
3. THREADED RODS ARE TO BE FABRICATED FROM 4140 B-7 ALLOY STEEL.
4. STEEL THREADED RODS SHALL HAVE A YIELD STRESS OF NOT LESS THAN 105,000 PSI.
5. EYE BOLTS SHALL HAVE A MINIMUM TENSILE STRENGTH OF 50,000 PSI EACH.
6. ALL COMPONENTS TO BE PROTECTIVE COASTED WITH PROTECTIVE COATINGS AND TAPE.

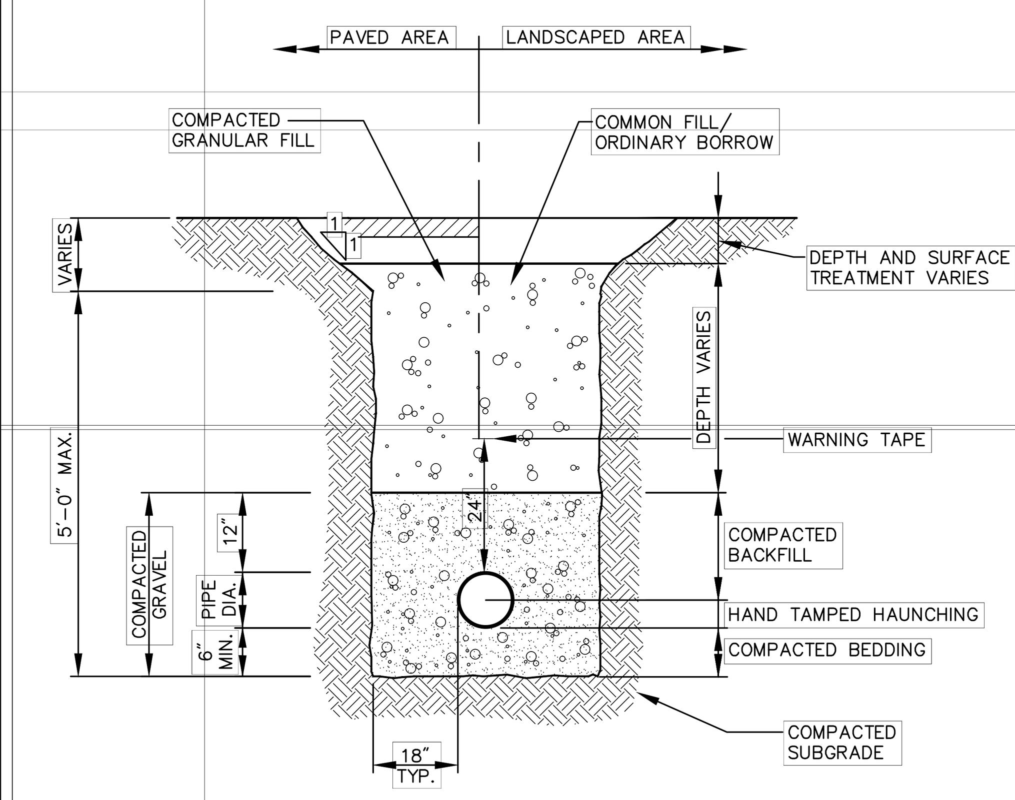


Water - Ductile Iron Service Below Foundation

Notes:

1. RISERS MUST ENTER THE BUILDING NEAR AN OUTSIDE WALL. ENTERING IN THE MIDDLE OF THE BUILDING WILL NOT BE ALLOWED
2, ALL MATERIALS ARE SUBJECT TO THE CITY'S APPROVAL AND SHOULD MEET WATER DEPARTMENT SPECIFICATIONS AND MATERIALS SPECIFICATIONS I.E. WATER MAINS SHALL BE CLASS 52 DUCTILE IRON. ALL MATERIALS SHALL BE NEW AND OF THE TYPE CURRENTLY BEING USED BY THE HOLYOKE WATER DEPARTMENT.

Water Service Details



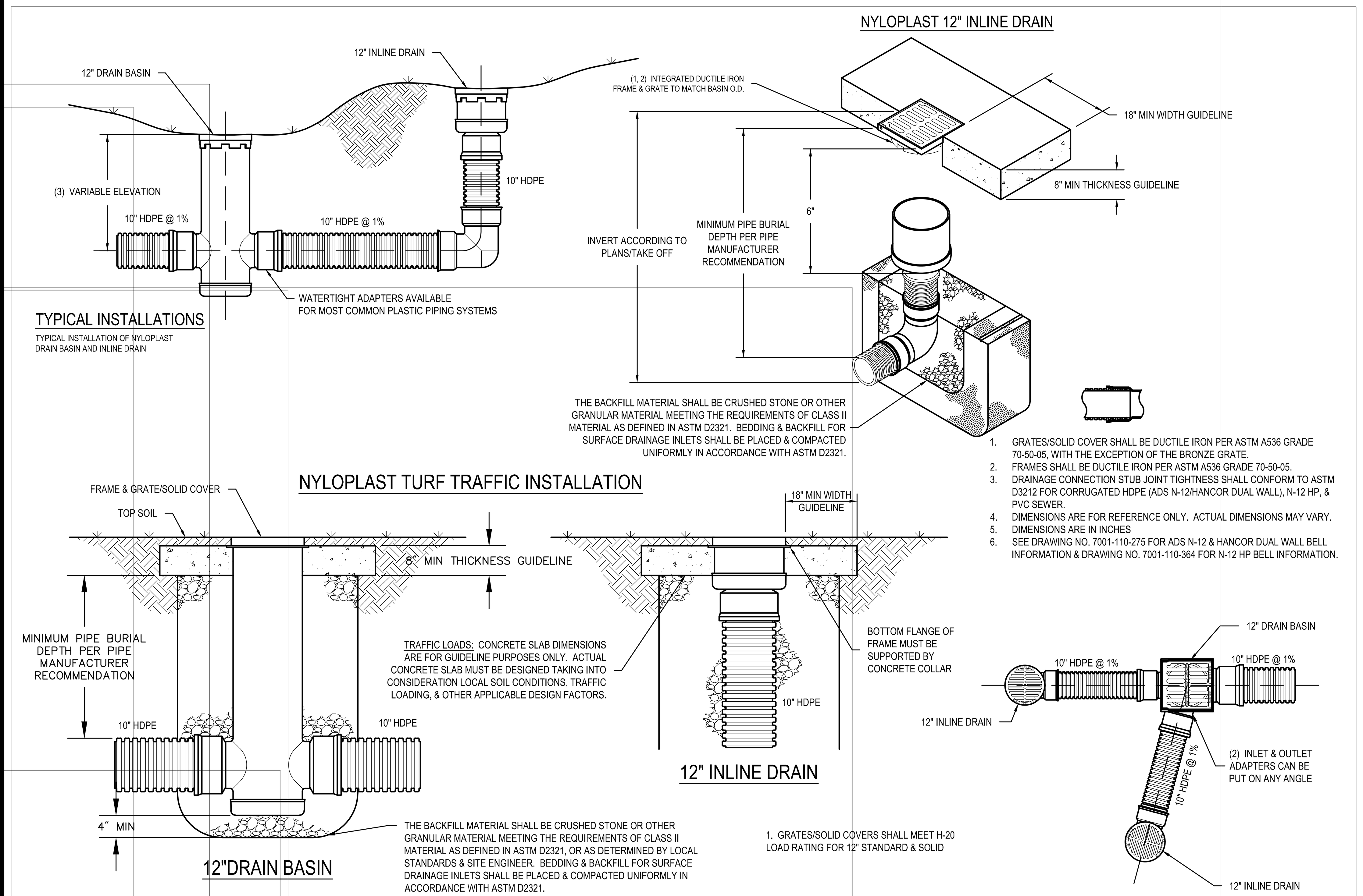
Notes:

1. BEDDING SHALL BE CLASS I-A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I-B COMPACTED TO 85% STANDARD PROCTOR. (SEE SPECIFICATIONS FOR GRADATION)
2. HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I-A OR CLASS I-B OR CLASS II COMPACTED TO 85% PROCTOR.
3. INITIAL BACKFILL SHALL BE CLASS I-A WORKED BY HAND, OR CLASS I-B OR CLASS II COMPACTED TO 85% STANDARD PROCTOR.
4. INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS III COMPACTED TO 90% STANDARD PROCTOR.
5. FINAL BACKFILL SHALL BE CLASS I, II, OR III COMPACTED AS NOTED IN NOTES 3. AND 4.
6. FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV-A COMPACTED TO 95% STANDARD PROCTOR.
7. ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-89.
8. ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8" LOOSE LIFTS IN ACCORDANCE WITH ASTM D 698. CLASS III AND IV-A MATERIALS SHALL BE COMPACTED NEAR OPTIMUM MOISTURE CONTENT.
9. FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS AND ROCKS LARGER THAN 3".
10. ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES. (SEE SPECIFICATIONS)

SCALE: NOT TO SCALE

Utility Trench

2/6/03
GU-2

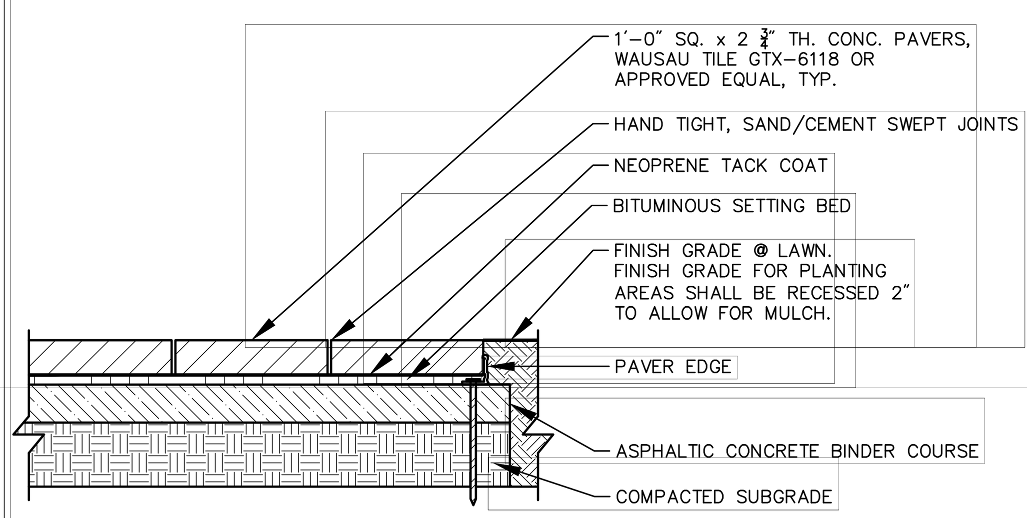


1. GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
2. FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
3. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
4. DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY.
5. DIMENSIONS ARE IN INCHES
6. SEE DRAWING NO. 7001-110-275 FOR ADS N-12 & HANCOR DUAL WALL BELL INFORMATION & DRAWING NO. 7001-110-364 FOR N-12 HP BELL INFORMATION.

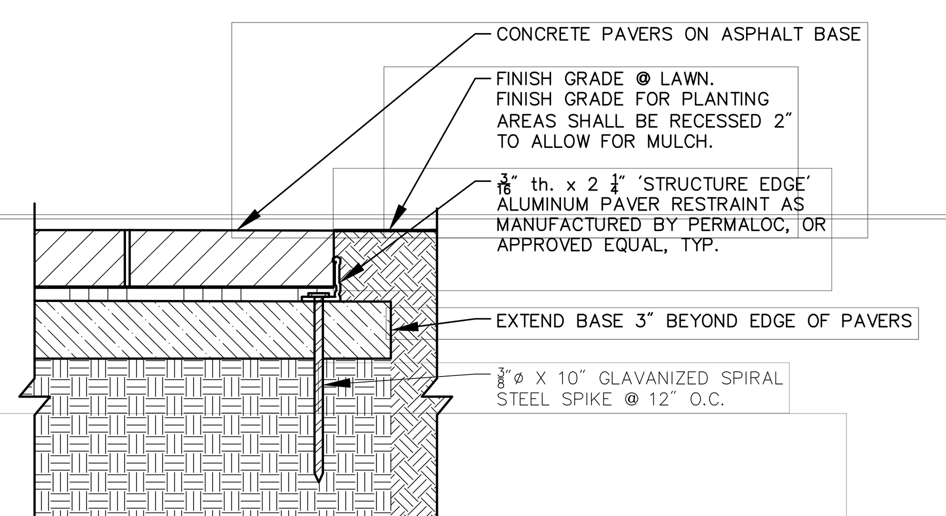
SCALE: NOT TO SCALE

Nyloplast Area Drain and Basin Detail

DATE: 6/27/2013



Concrete Pavers on Asphalt Base

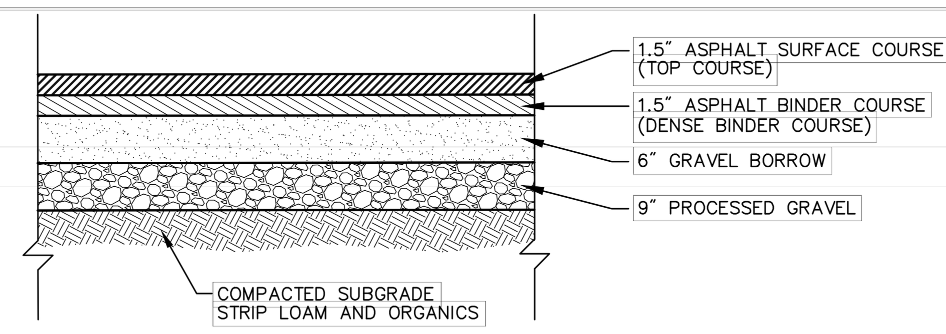


Paver Edge

SCALE:

Concrete Pavers on Asphalt Base

2/6/03
GU-2



Notes:

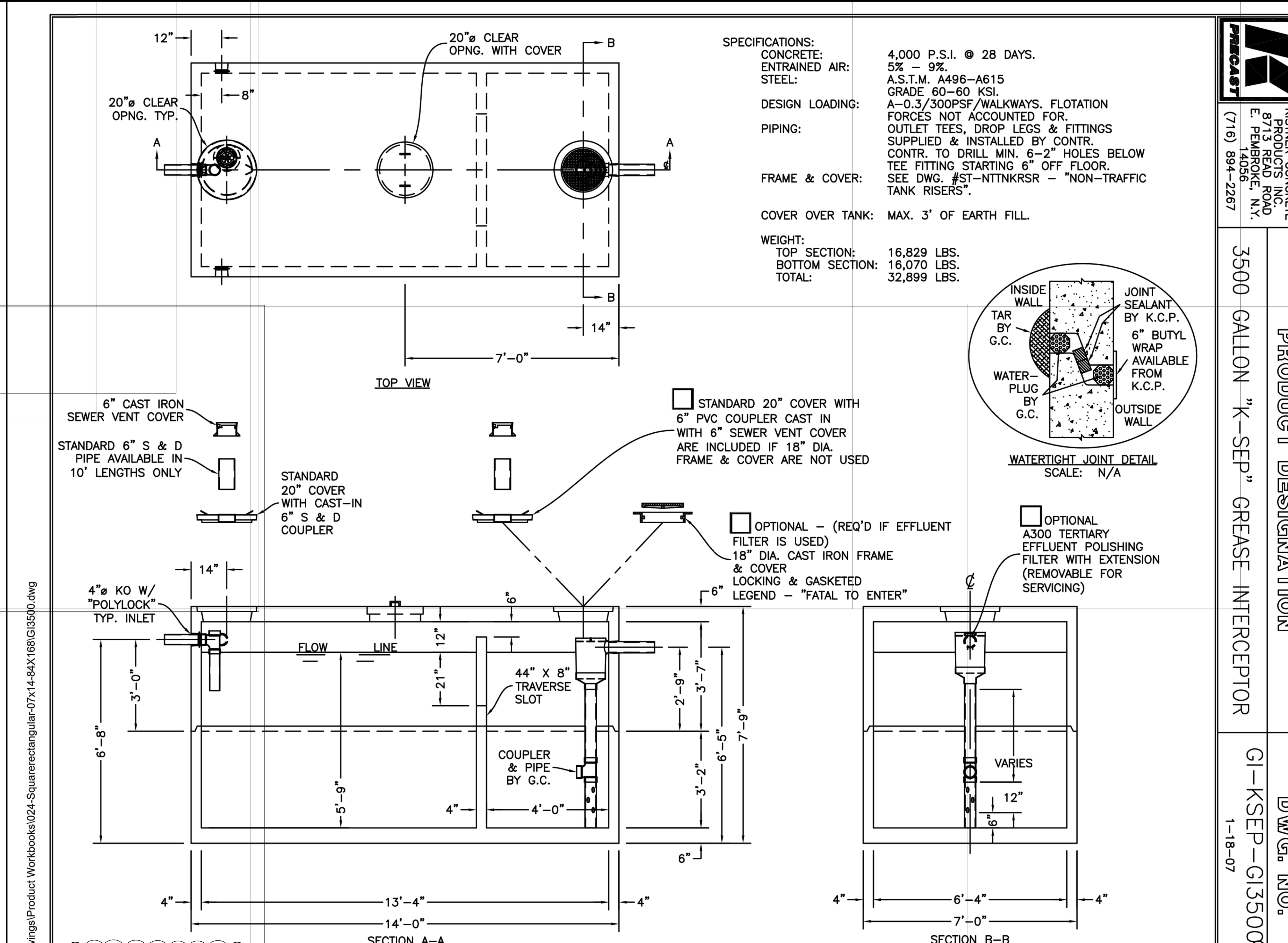
1. SEE SITE LAYOUT PLAN FOR PAVEMENT WIDTH AND LOCATION.
2. SEE GRADING PLAN FOR PAVEMENT SLOPE

STANDARD DUTY ASPHALT PAVING

SCALE: NOT TO SCALE

Paving Details

2/6/03
PAVE-A-1



3,500 Gallon Grease Interceptor (Kistner or approved equivalent in accordance with NY State DEC Specs)

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DETAILS

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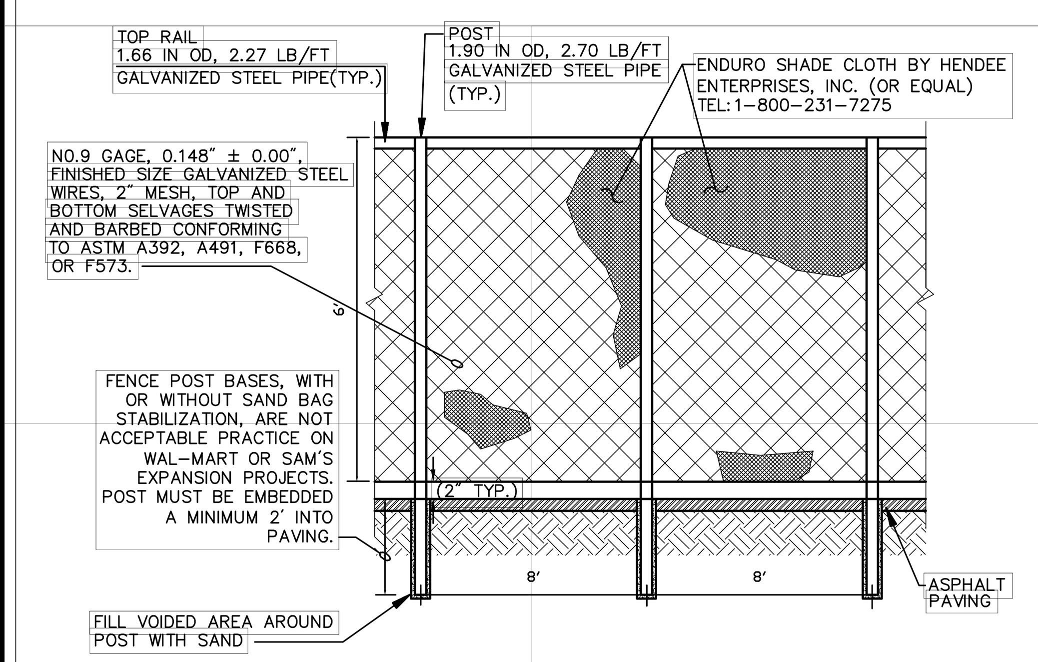
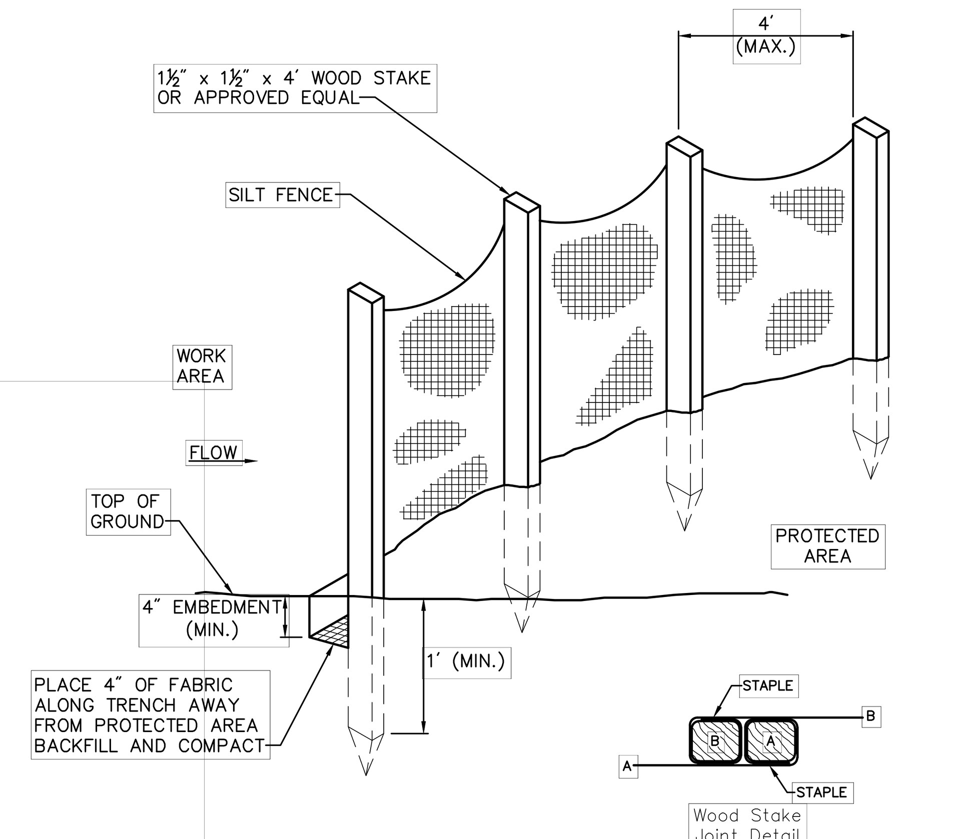
C-7



SCALE: NOT TO SCALE

Temporary Fence

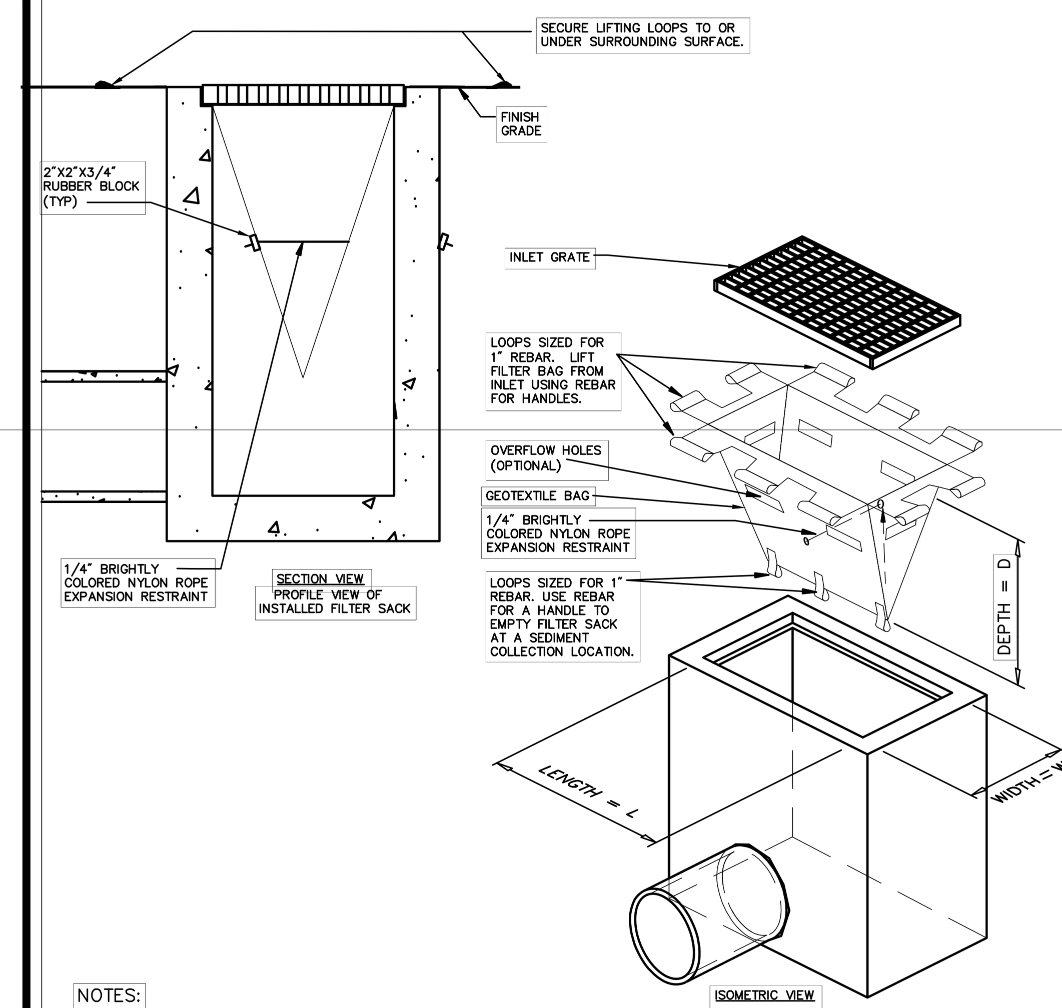
9/17/07
FNC-2



SCALE: NOT TO SCALE

Silt Fence Barrier

2/6/03
SED-1



NOTES:

1. REMOVE TRAPPED SEDIMENT WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
2. GEOTEXTILE SHALL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
3. PLACE AN OIL ADSORBENT PAD OR PILLOW OVER INLET GRATE WHEN OIL SPILLS ARE A CONCERN.
4. INSPECT PER REGULATORY REQUIREMENTS.
5. THE WIDTH, "W", OF THE FILTER SACK SHALL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
6. THE DEPTH, "D", OF THE FILTER SACK SHALL BE BETWEEN 18 INCHES AND 36 INCHES.
7. THE LENGTH, "L", OF THE FILTER SACK SHALL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE

PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4833	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC -1

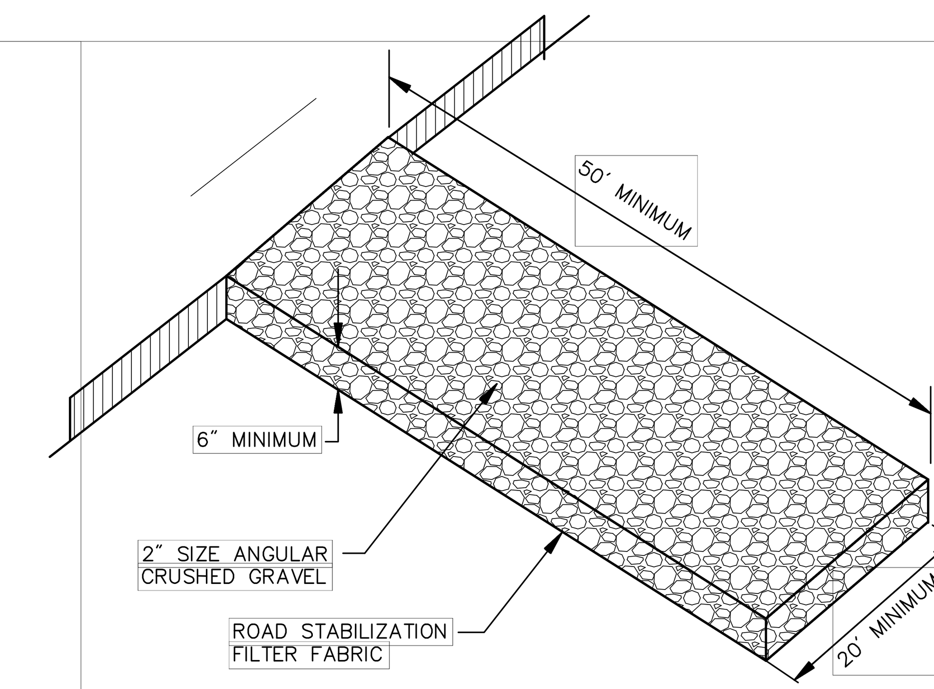
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE

PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC -1

SCALE: NOT TO SCALE

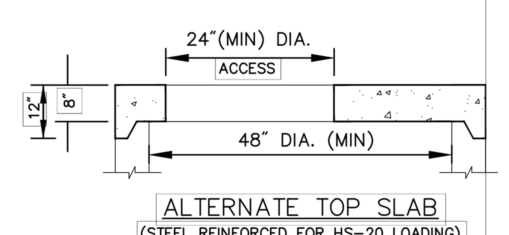
Filter Sacks for Grated Inlets

11/07/07
SED-7



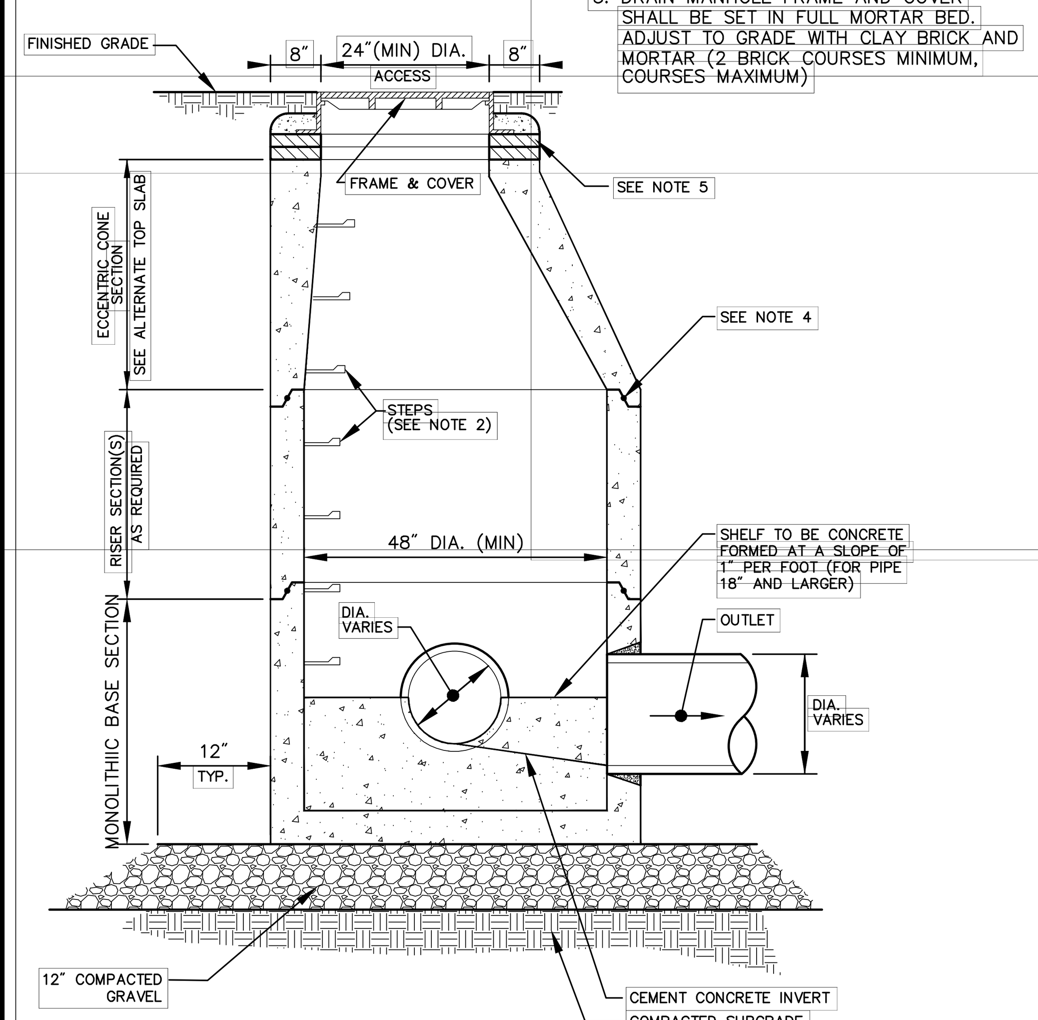
Construction Entrance

2/6/03



Notes:

1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
2. COPOLYMER MANHOLE STEPS SHALL BE INSTALLED AT 12" O.C. FOR THE FULL DEPTH OF THE STRUCTURE.
3. PROVIDE "V" KNOCKOUTS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
4. JOINT SEALANT BETWEEN SECTIONS SHALL BE "RAM-NEK", OR EQUIVALENT PLASTIC ROPE.
5. DRAIN MANHOLE FRAME AND COVER SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES MINIMUM, COURSES MAXIMUM)

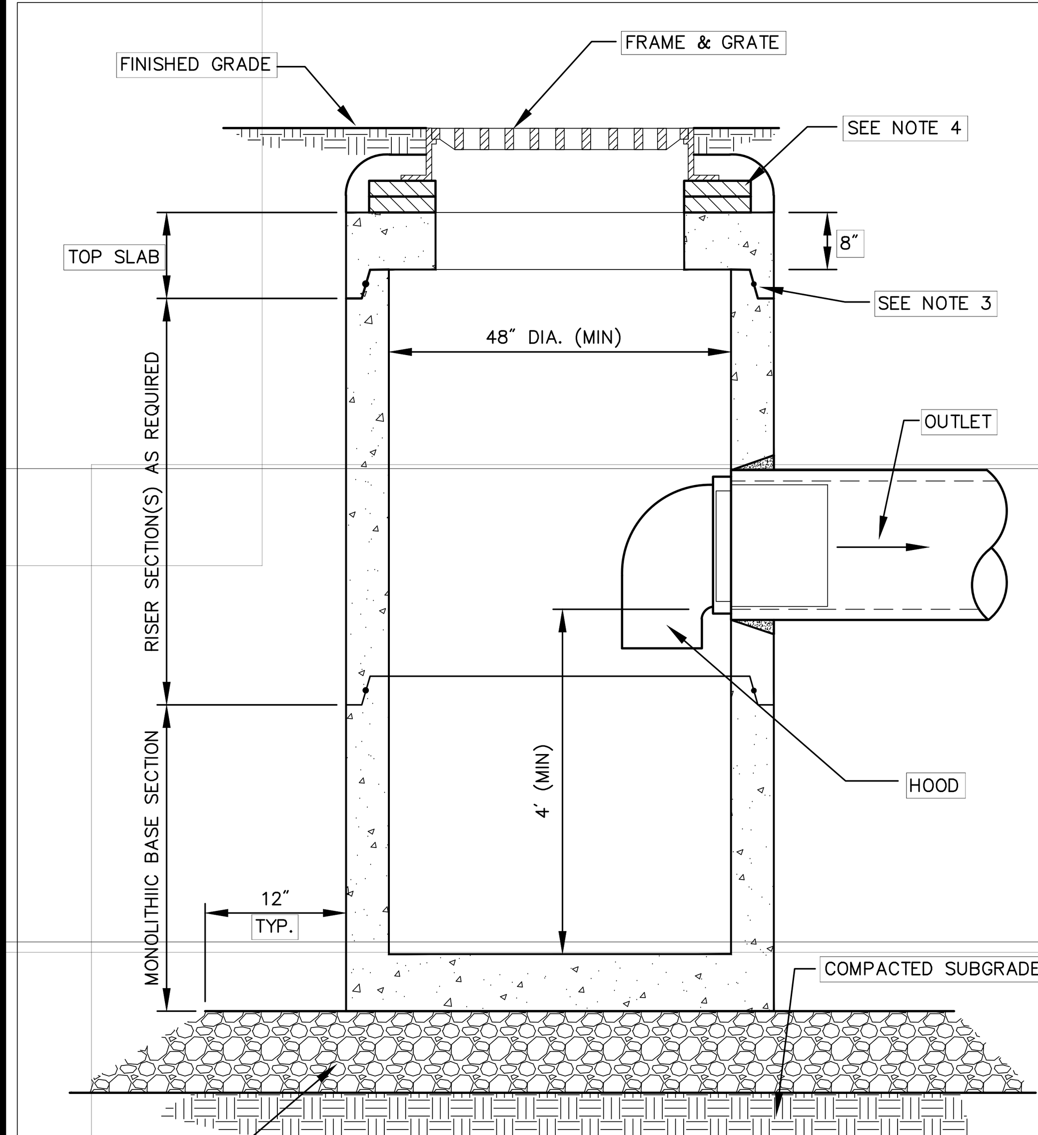


SOURCE: DOUCET & ASSOCIATES, INC.

SCALE: NOT TO SCALE

Drain Manhole (DMH)

2/6/03
D-8



NOTES:

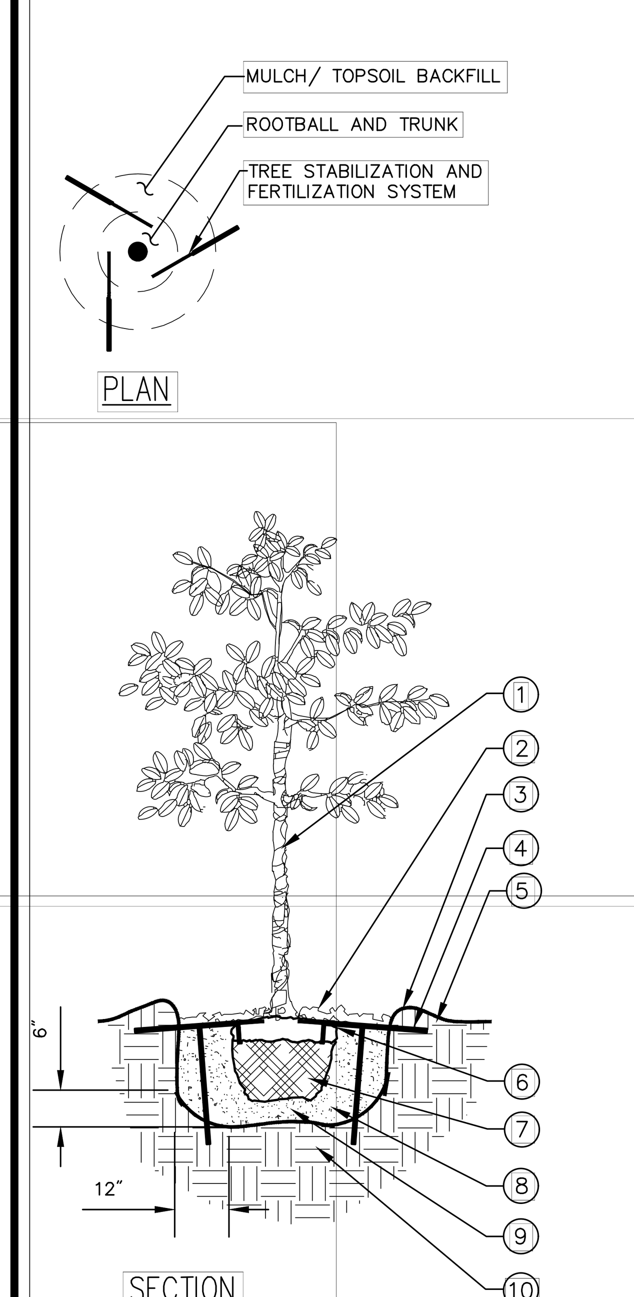
1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING
2. PROVIDE "V" KNOCKOUTS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE SECTIONS.
3. JOINT SEALANT BETWEEN SECTIONS SHALL BE "RAM-NEK", OR EQUIVALENT PLASTIC ROPE.
4. FRAME AND GRATE SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES MIN, 5 BRICK COURSES MAX.)

SOURCE: DOUCET & ASSOCIATES, INC.

SCALE: NOT TO SCALE

Catch Basin with Hood (CB)

2/6/03
D-2



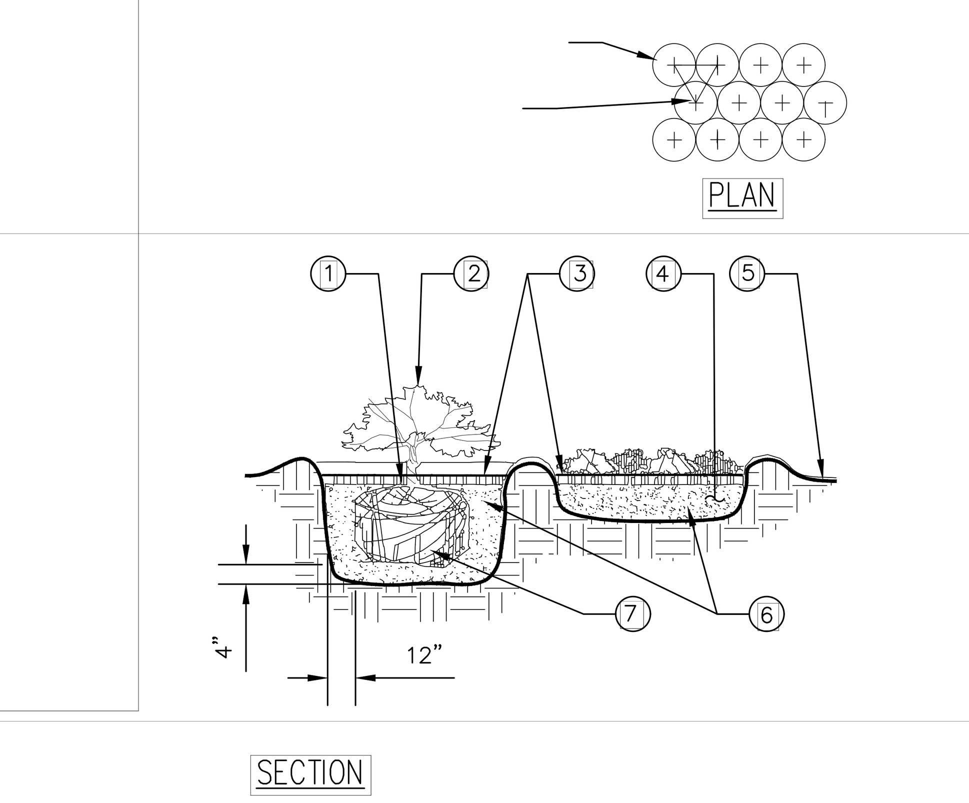
1. TREE WRAP
2. 4" MINIMUM OF HARDWOOD BARK MULCH COMPACTED OR AS SPECIFIED.
4. STAKE SIZE SHALL BE ONE SIZE HIGHER THAN REQUIRED FOR SIZE OF TREE. REFER TO SITEWORK SPECIFICATIONS FOR APPROVED MATERIALS AND INSTALLATION REQUIREMENTS.
5. FINISHED GRADE (SEE GRADING PLAN)
6. TOP OF ROOTBALL MIN. 1" ABOVE FINISHED GRADE
7. B & B OR CONTAINERIZED (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS).
8. PREPARED PLANTING SOIL AS SPECIFIED.
9. ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING ROOTBALLS SMALLER THAN 24" IN DIA. MAY SIT ON COMPACTED EARTH.
10. UNDISTURBED SUBSOIL

A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.
B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.
C. SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.
D. PRUNE TREE AS DIRECTED BY LANDSCAPE ARCHITECT.
E. BRANCHING HEIGHT TO A.A.N. STANDARDS.

SCALE: NOT TO SCALE

Small Tree Planting (14' or Less)

6/7/10
LA-8



1. TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.
2. WHEN USED IN MASSES- PRUNE ALL SHRUBS TO ACHIEVE A UNIFORM MASS/HEIGHT
3. 4" MINIMUM OF HARDWOOD BARK MULCH COMPACTED OR AS SPECIFIED.
4. EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER BED.
5. 4" MINIMUM OF TOPSOIL TO BRING TO FINISHED GRADE (SEE GRADING PLAN).
6. PREPARED PLANTING SOIL AS SPECIFIED. NOTE: WHEN GROUND- COVERS AND SHRUBS USED IN MASSES ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS SPECIFIED.
7. SCARIFY ROOTBALL SIDES AND BOTTOM.

SCALE: NOT TO SCALE

Shrub / Groundcover Planting

5/30/08
LA-11

ARCHITECT

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REVISIONS

REV	DATE	DESCRIPTION / COMMENTS
1	3-30-2018	ADDENDUM-1

SEAL

ISSUED FOR: OUT-TO-BID
ISSUED DATE: 2.16.2018

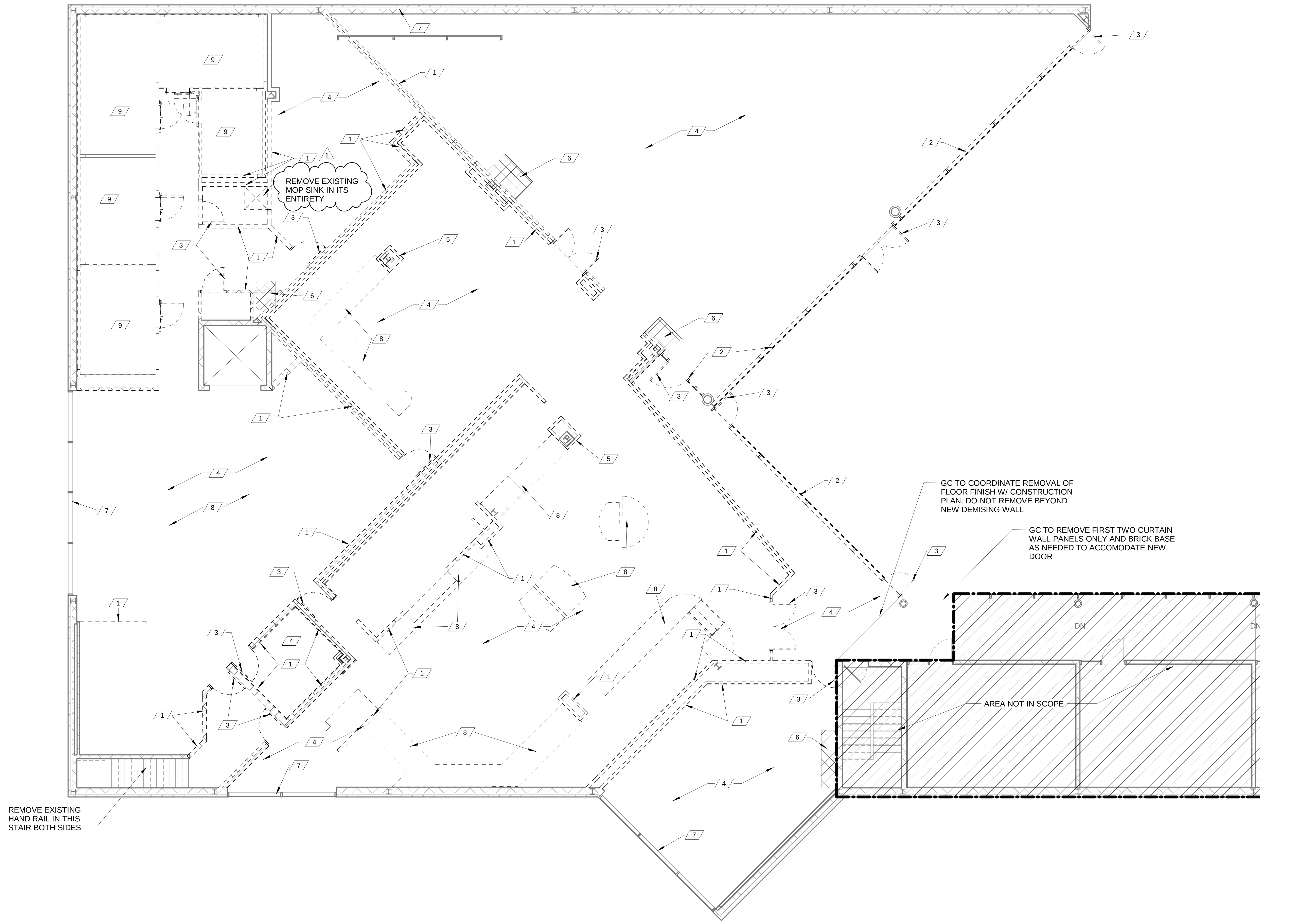
DRAWN BY: JBB
CHECKED BY: LAR
PROJECT NUMBER:

DRAWING NAME

DETAILS

DRAWING NO.

C-8



1 DEMO FLOOR PLAN
1/8" = 1'-0"

DEMOLITION GENERAL NOTES

1. THE G.C. IS TO FIELD VERIFY ALL DIMENSIONS USING THE CONTSTRUCTION DOCUMENTS. IF ANY DISCREPANCIES EXISTING, G.C. TO MARK UP DRAWINGS THAT REFLECT THE ACTUAL CONDITION. FORWARD THEM TO THE ARCHITECT WITHIN (3) DAYS FOR REVIEW AND CLARIFICATION AS REQUIRED.
2. THE G.C. IS TO VERIFY THE EXISTING CONDITIONS OF THE SPACING INCLUDING BUT NOT LIMITED TO SLAB CONDITION AND ANY ISSUES THAT MAY EFFECT NEW FLOOR FINISH, IF ANY ISSUES EXIST, CONTACT ARCHITECT.
3. NO DEMOLITION SHALL TAKE PLACE OUTSIDE OF THE SCOPE OF WORK WITHOUT THE APPROVAL OF THE OWNER.
4. ALL EXISTING STRUCTURE IS TO BE PROPERALY SUPPORTED DURING DEMOLITION, COORDINATE ALL WORK WITH STRUCTURAL DRAWINGS.
5. PATCH AND REPAIR EXISTING ROOF SYSTEM WHERE DEMOLITION IS TO OCCUR TO MAINTAIN WATER TIGHT. PATCH WITH NEW TO MATCH EXISTING.
6. GC IS TO REFER TO Q010 EQUIPMENT DEMO LAYOUT FOR ADDITIONAL DEMOLITION NOTES.
7. GC TO REFER STRUCTURAL DRAWINGS AND MEP DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.

DEMO SCHEDULE

1	DEMOLISH PORTION OF EXISTING WALL CONSTRUCTION.
2	DEMOLISH EXISTING STOREFRONT SYSTEM.
3	REMOVE EXISTING DOOR AND FRAME.
4	REMOVE EXISTING FLOOR FINISH AND WALL BASE.
5	REMOVE EXISTING COLUMN ENCLOSURE.
6	REMOVE EXISTING PORTION OF SLAB FLOOR, GC TO COORDINATE W/ MEP AND STRUCTURAL DRAWINGS.
7	EXISTING WINDOW TO REMAIN, PROTECT AS NEEDED DURING DEMOLITION.
8	REMOVE EXISTING MILLWORK AND ALL ASSOCIATED EQUIPMENT AND UTILITIES.
9	REMOVE EXISTING COOLERS IN THEIR ENTIRETY, SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.

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REVISIONS

NO.	DATE	DESCRIPTION
1	03.30.2018	Addendum 1

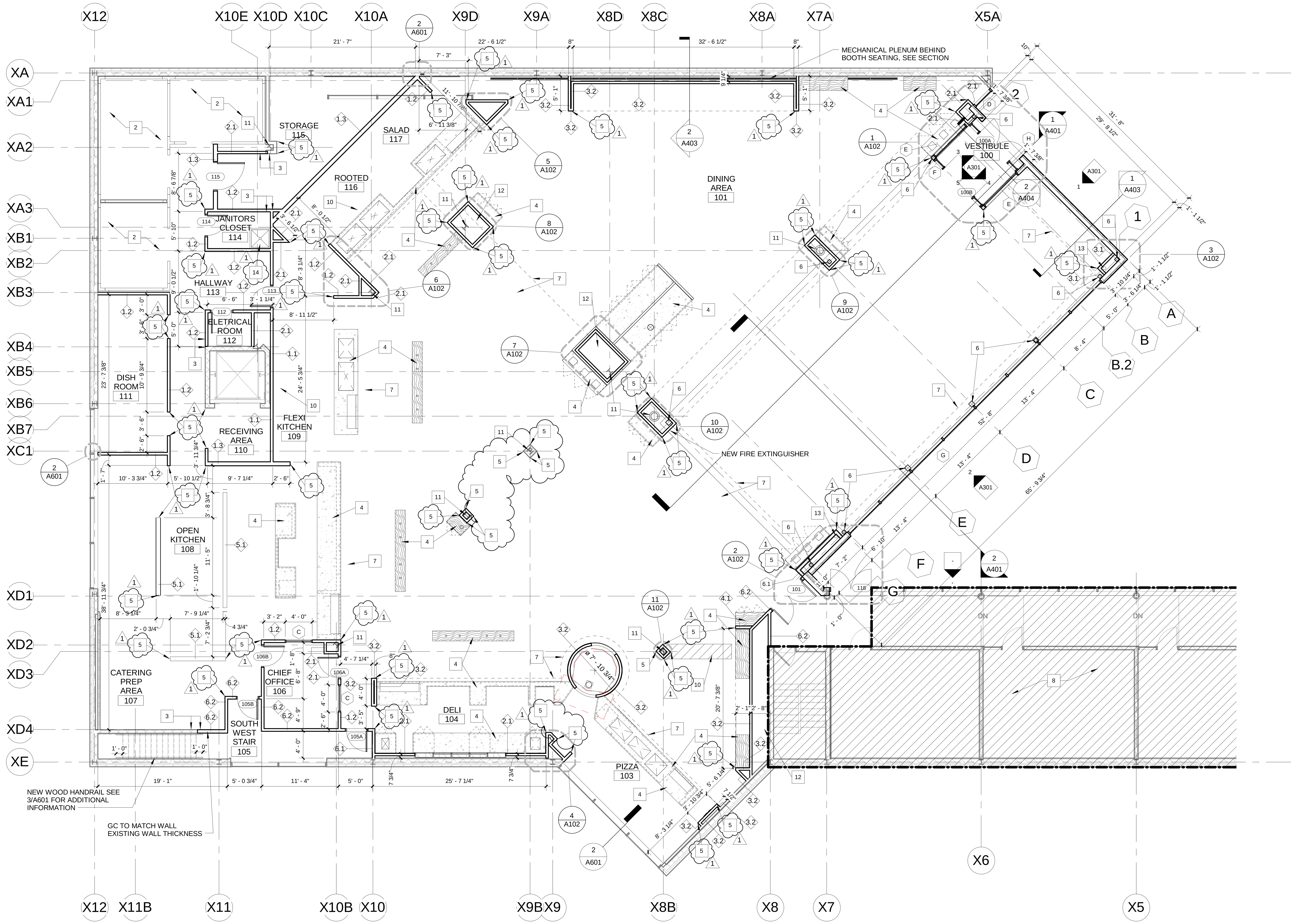
SEAL:

ISSUED FOR: ADDENDUM 1
ISSUED DATE: 03.30.2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: 1517347

DRAWING NAME:
FIRST FLOOR DEMOLITION PLAN

DRAWING NO.
AD101

Plot Date: 3/30/2018 5:29:38 PM Dwg Filename: C:\Users\j_woodworth\Documents\SUNY Purchase - Hub_j_woodworth.rvt



1 DIMENSION PLAN
1/8" = 1'-0"

PLAN NOTES - FLOOR PLAN

1	IN FILL EXISTING MASONRY WALL WITH NEW MASONRY WALL CONSTRUCTION TO MATCH EXISTING OPENING
2	NEW COOLER/ FREEZER, SEE EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
3	NEW WALL CONSTRCUTION IS TO ALIGN WITH EXISTING.
4	NEW MILLWORK BY OTHERS.
5	CORNER GUARDS,SEE INTERIOR ELEVATIONS FOR EXACT LOCATIONS AND SPEC FOR FINISH INFORMATION.
6	NEW STRUCTURAL COLUMN, SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
7	DASHED LINE REPRESENTS SOFFIT ABOVE, SEE A201 FOR ADDITIONAL INFORMATION.
8	AREA NOT IN SCOPE.
9	PROVIDE 1/2" FIRE RETARDENT PLYWOOD SHEATHING, 4'-0" AF.F. SCREW TO FINISH FACE OF WALL CONSTRUCTION.
10	INFILL FLOOR OPENING WITH NEW CONSTRUCTION TO MATCH EXISTING, SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
11	EXISTING COLUMN TO REMAIN.
12	GC TO SAW CUT FLOOR AS NEEDED TO ALLOW FOR NEW DUCT WORK, SEE MEP AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
13	NEW ROOF DRAIN, SEE ROOF PLAN AND MEP DRAWINGS FOR ADDITIONAL INFORMATION.
14	NEW MOP SINK, SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

1

1

FLOOR PLAN GENERAL NOTES:

1. PROVIDE MOISETURE RESISTANT GYPSUM BOARD AT ALL NEW WET WALLS LOCATIONS, UNLESS OTHERWISE NOTED.
2. ALL NEW WALLS THAT ARE TO RECIEVE FRP OR CERAMIC TILE SHALL HAVE CEMENT BACKER BOARD IN LIEU OF GYPSUM BOARD. SEE FINISH DRRAWINGS FOR LOCATIONS. SEE FINISH LEGEND & INTERIOR ELEVATIONS FOR WALL FINISHES.
3. REFERENCE CEILING PLAN, INTERIOR ELEVATIONS AND EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
4. GC TO PATCH AND REPAIR MASNORY WALLS AS NEEDED WHERE DEMOLITION HAS OCCURED.
5. SEE V100 AND V110 FOR INTERIOR GENERAL ARRANGEMENT PLANS.
6. SEE EQUIPMENT DRAWING FOR ADDITIONAL COOLER OR KITCHEN EQUIPMENT INFORMATION
7. SEE V100 AND V110 FOR INTERIOR FINISH TAGS.

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REVISIONS

NO.	DATE	DESCRIPTION
1	03.30.2018	Addendum 1

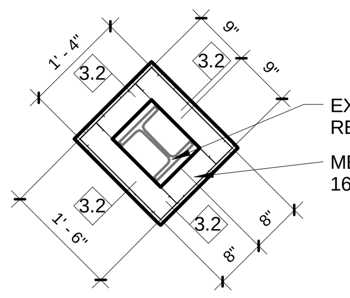
SEAL:

ISSUED FOR: ADDENDUM 1
ISSUED DATE: 03.30.2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: 1517347

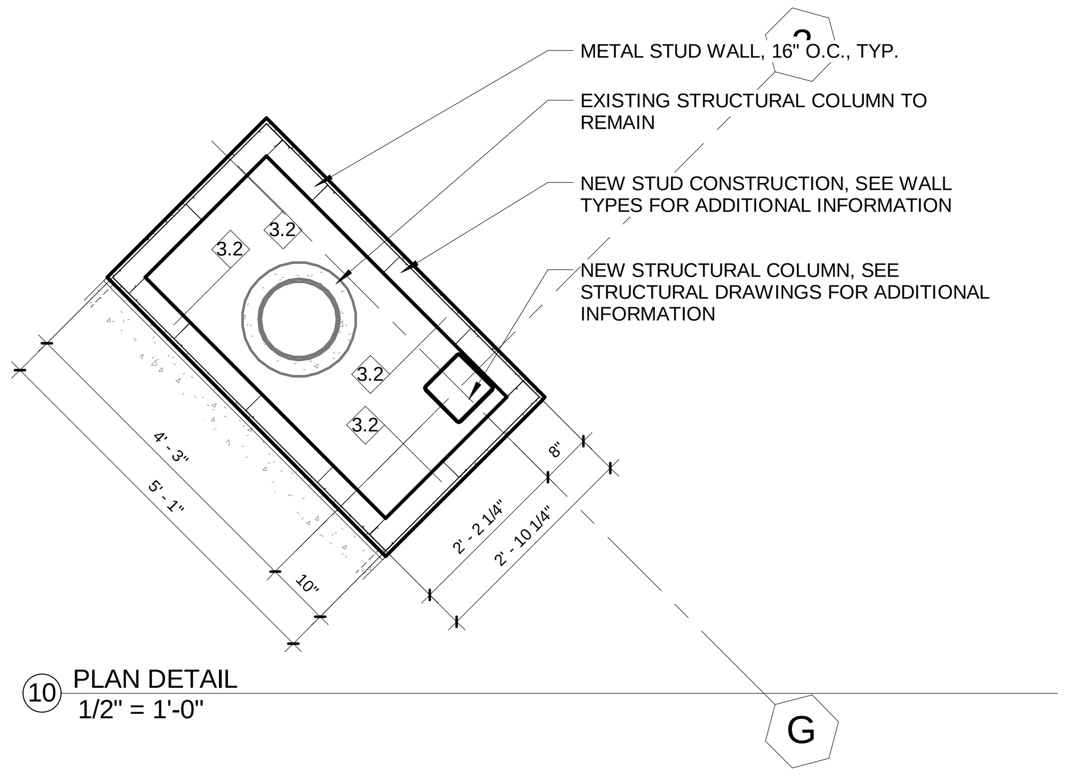
DRAWING NAME:
FIRST FLOOR CONSTRUCTION PLAN

DRAWING NO.
A101

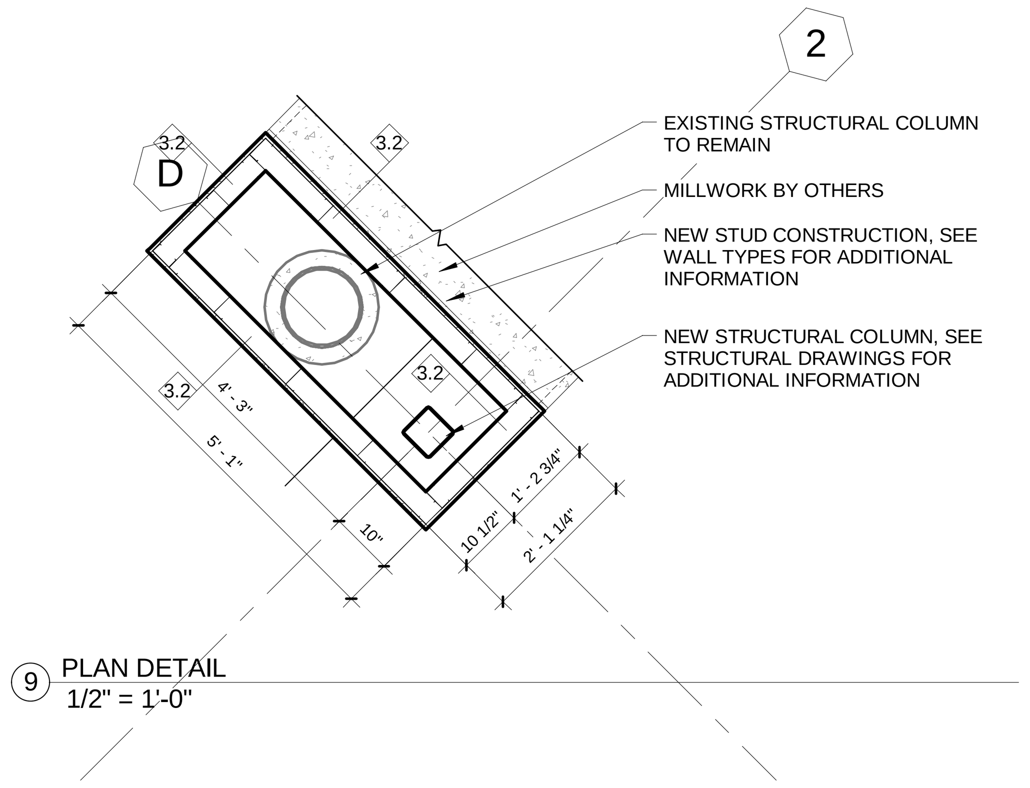
Plot Date: 3/30/2018 5:29:14 PM Dwg Filename: C:\Users\j_woodworth\Documents\SUNY Purchase - Hub_j_woodworth.rvt



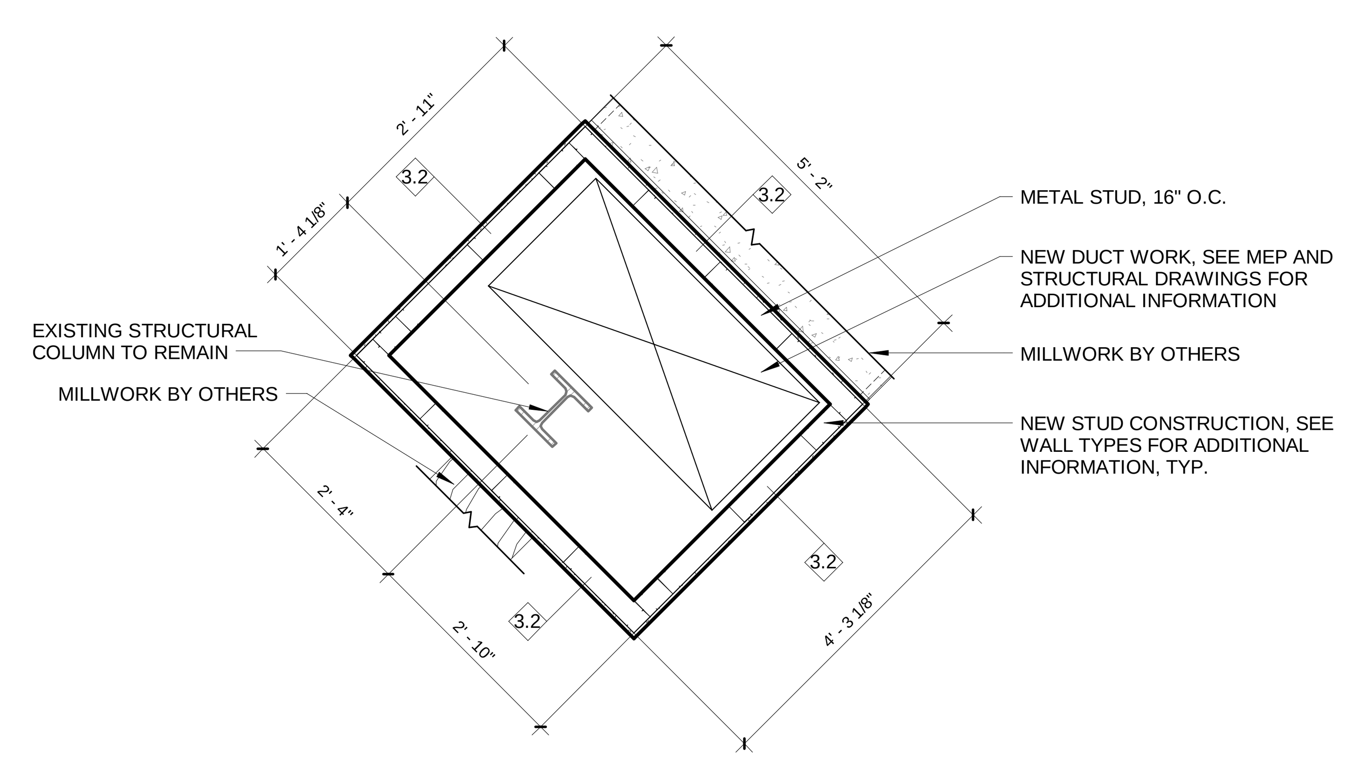
11 PLAN DETAIL
1/2" = 1'-0"



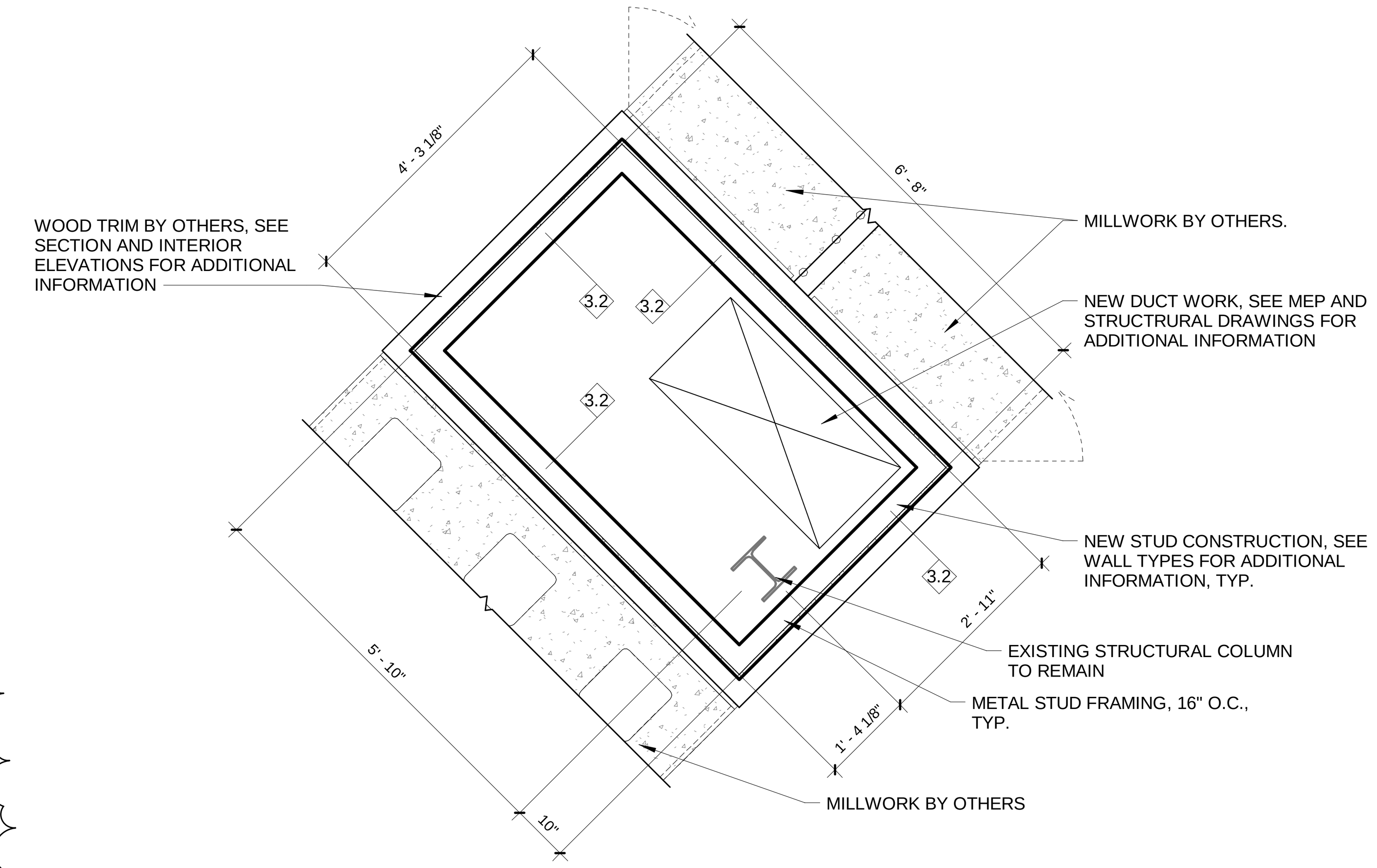
10 PLAN DETAIL
1/2" = 1'-0"



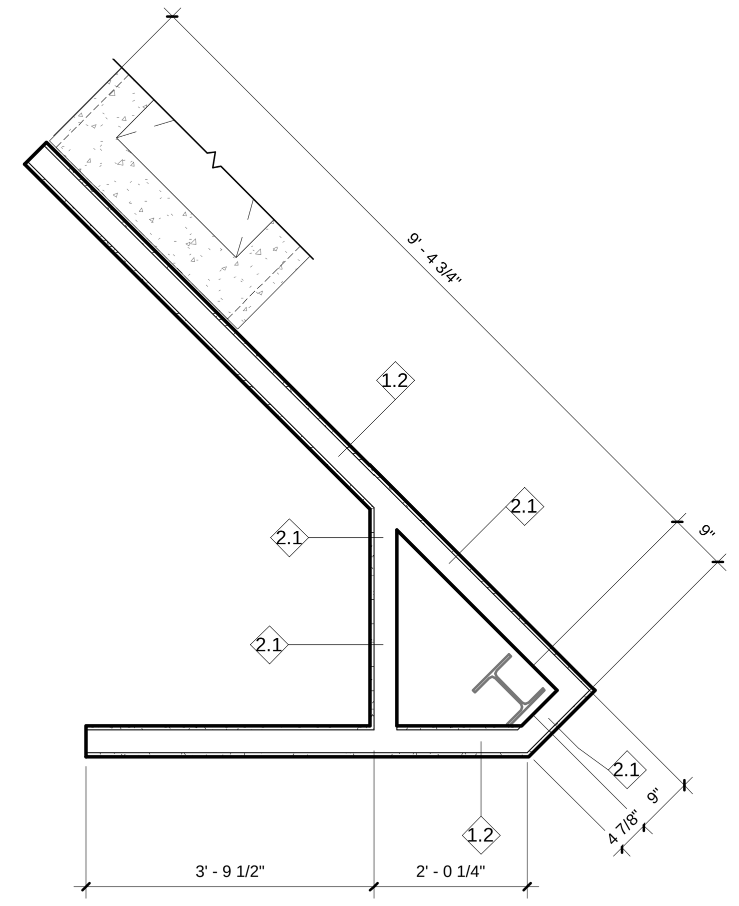
9 PLAN DETAIL
1/2" = 1'-0"



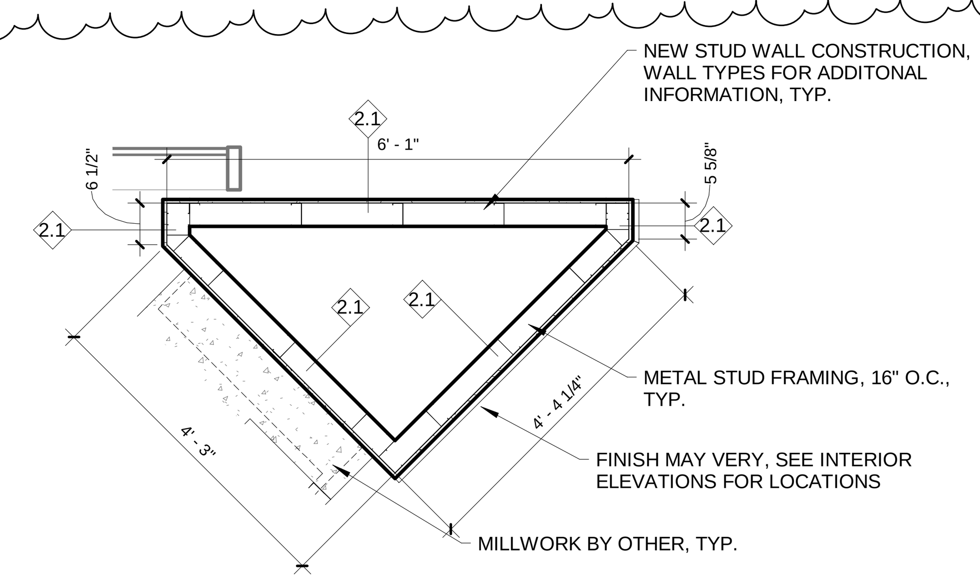
8 PLAN DETAIL
1/2" = 1'-0"



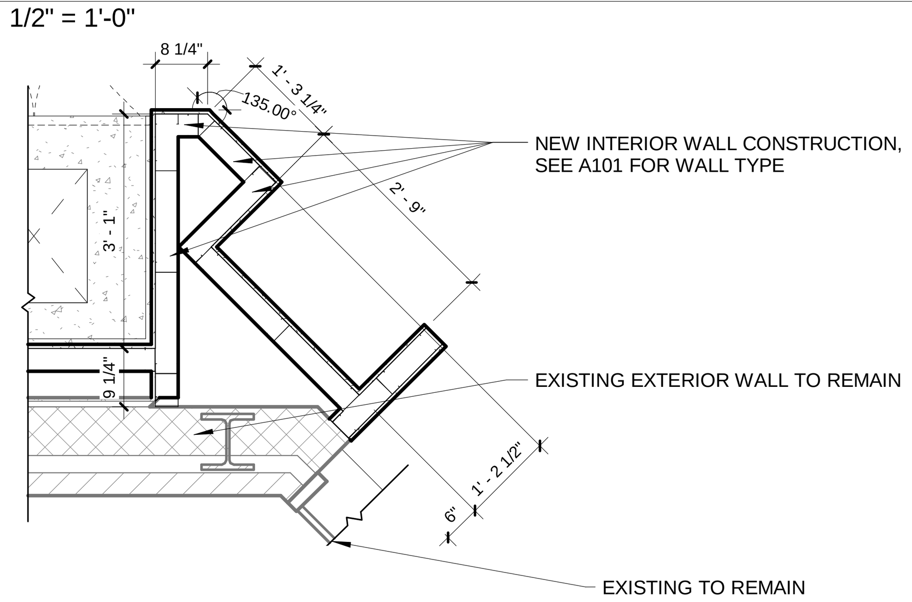
7 PLAN DETAIL
1/2" = 1'-0"



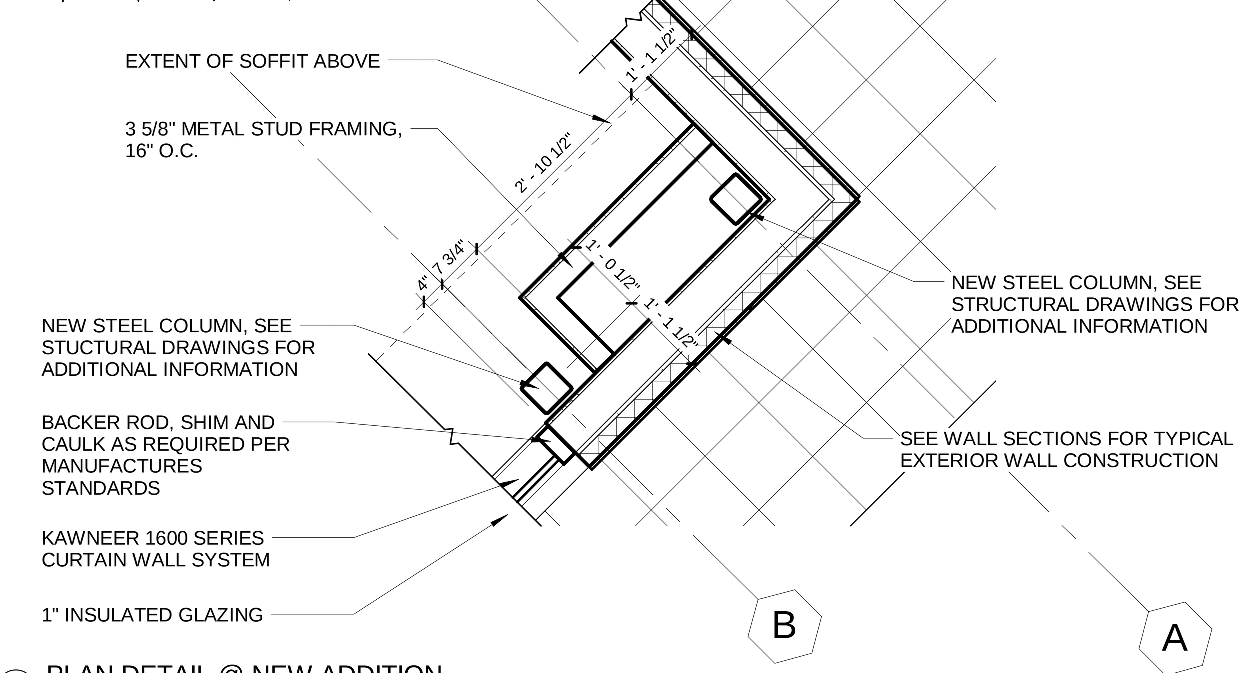
6 PLAN DETAIL
1/2" = 1'-0"



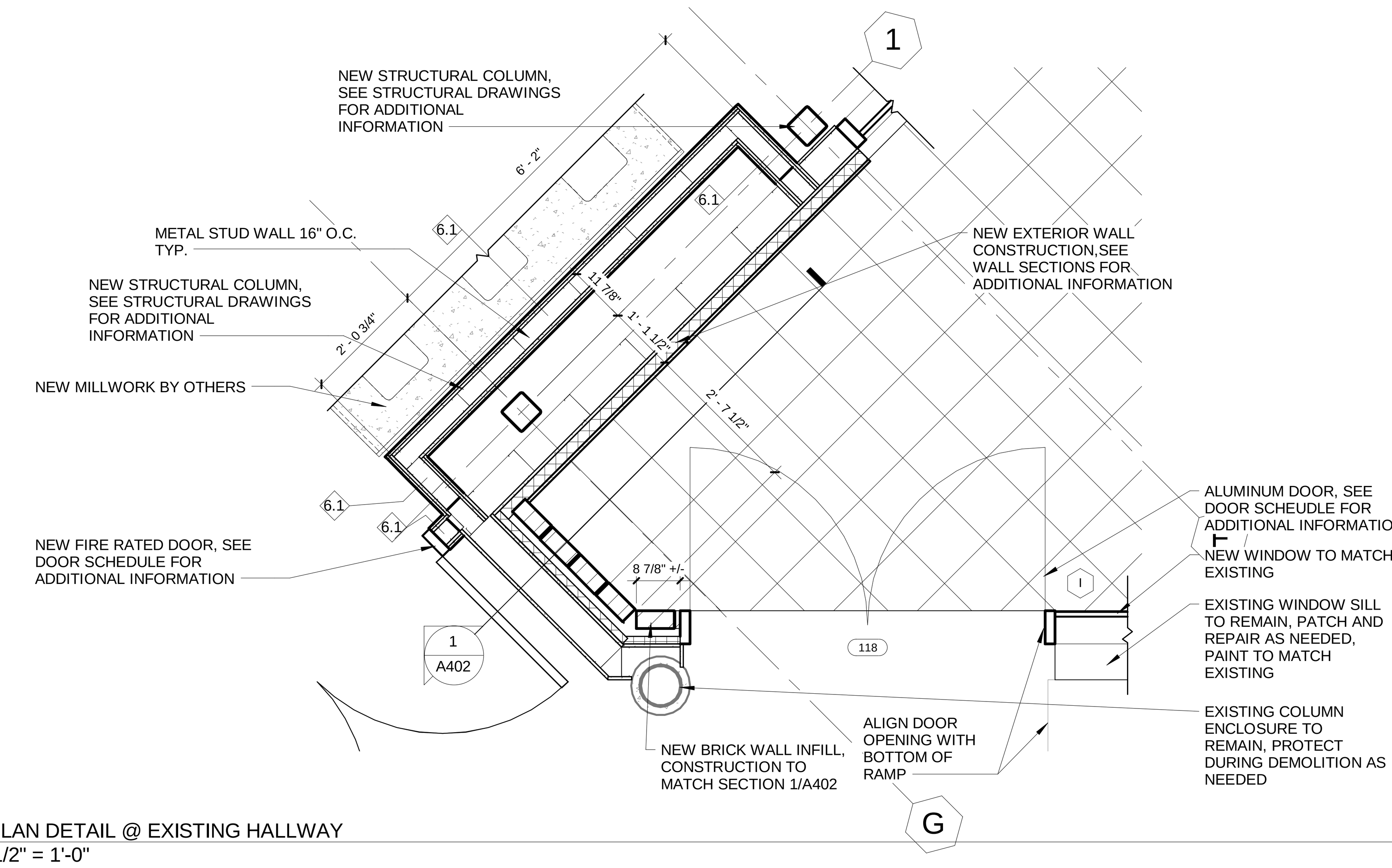
5 PLAN DETAIL
1/2" = 1'-0"



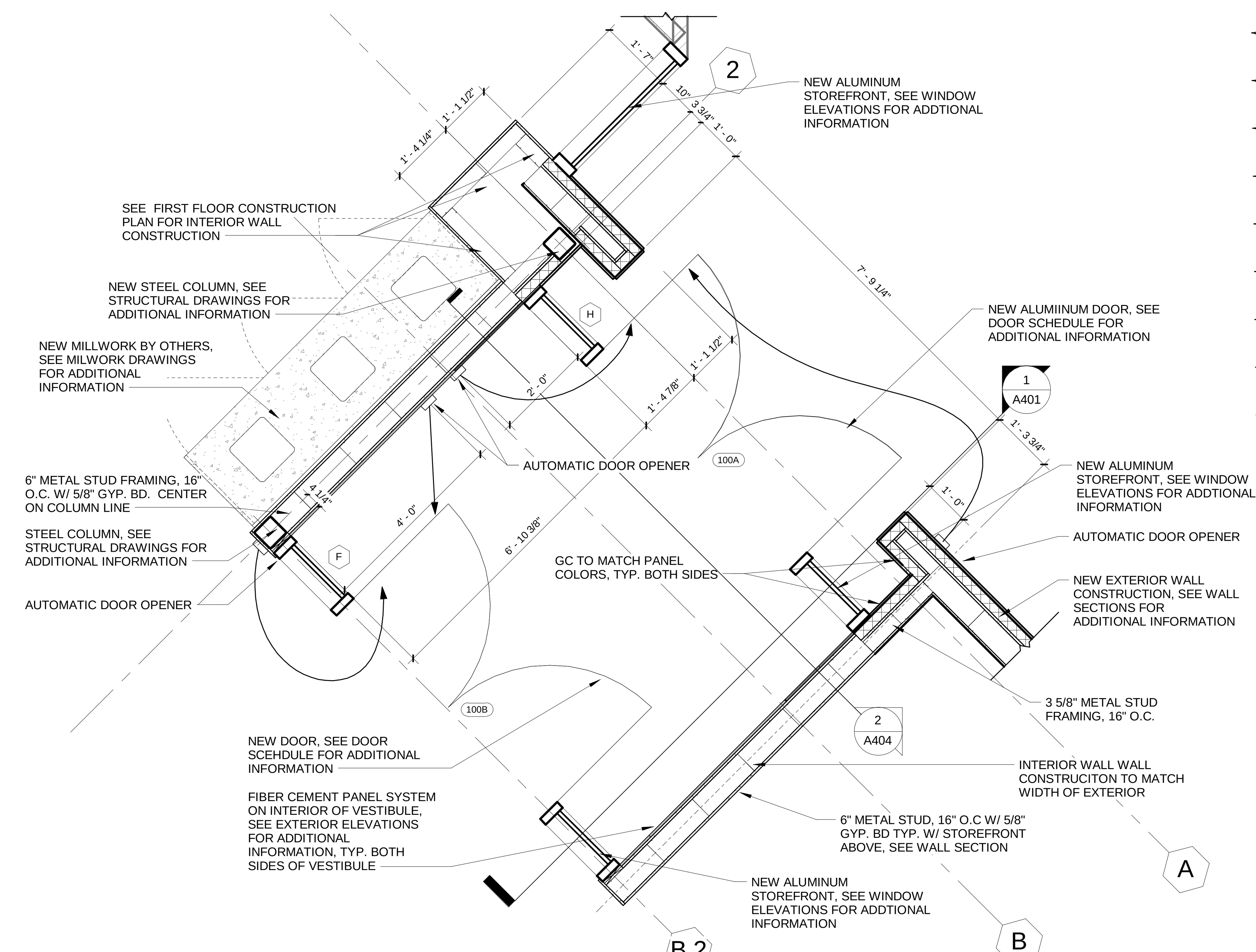
4 PLAN DETAIL
1/2" = 1'-0"



3 PLAN DETAIL @ NEW ADDITION
1/2" = 1'-0"



2 PLAN DETAIL @ EXISTING HALLWAY
1/2" = 1'-0"



1 ENLARGED VESTIBULE PLAN
1/2" = 1'-0"

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REVISIONS

NO.	DATE	DESCRIPTION
1	03.30.2018	Addendum 1

SEAL:

ISSUED FOR: ADDENDUM 1
ISSUED DATE: 03.30.2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: 1517347

DRAWING NAME:
ENLARGED PLANS & PLAN DETAILS

DRAWING NO.
A102

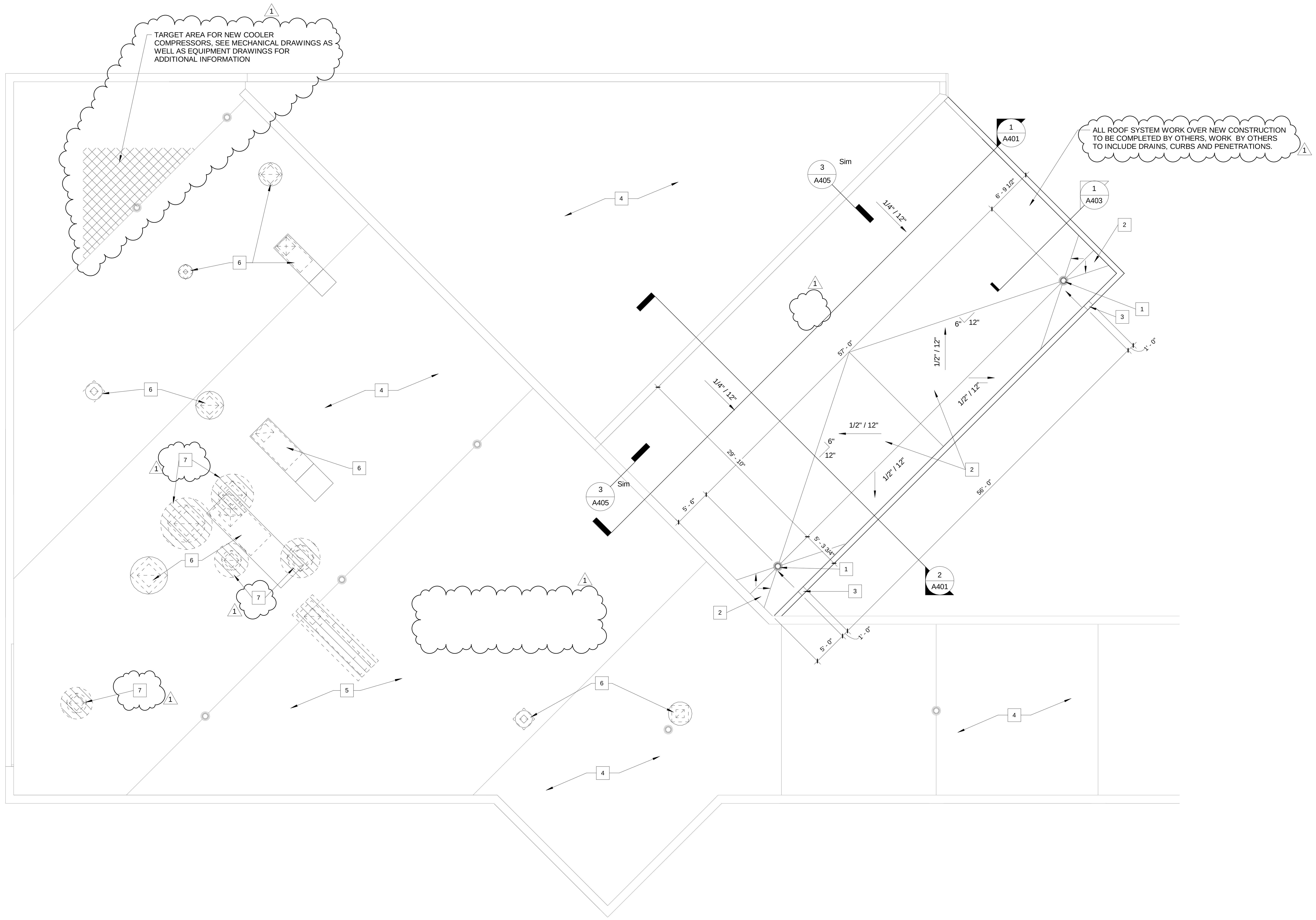
Plot Date: 3/30/2018 5:29:19 PM Dwg Filename: C:\Users\j_woodworth\Documents\SUNY Purchase - Hub_j_woodworth.rvt

PLAN NOTES - ROOF PLAN

1	NEW STORM DRAIN, GC TO COORDINATE WITH ROOFING CONTRACTOR. SEE DETAIL 6/A601 FOR ADDITIONAL INFORMATION.
2	NEW CRICKET, AT 1/2:12.
3	NEW THRU WALL ROOF SCUPPER, ALIGN BOTTOM OF SCUPPER W/ TOP OF ROOF MEMBRANE AT EACH LOCATION TO BE INSTALLED. SCUPPER PER ROOF FASCIA MANUFACTURER.
4	EXISTING ROOF SYSTEM TO REMAIN, GC TO PATCH AND REPAIR AS NEEDED.
5	SELECT ROOF EQUIPMENT DEMOLTION, SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
6	NEW ROOF EQUIPMENT, SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
7	GC TO REMOVE EXISTING EQUIPMENT IN IT'S ENTIRETY AND PATCH ROOF TO MATCH EXISTING.

GENERAL ROOFING NOTES:

1. ALL ROOF CRICKETS SHALL BE CONSTRUCTED WITH 1/2" TAPERED INSULATION.
2. GC SHALL VERIFY ALL ROOF CONSTRUCTION PRIOR TO INSTALLATION.
3. PROVIDE TAPERED INSULATION CRICKETS AT UPSLOPE SIDE OF ALL ROOF CURBS PER ROOFING MFG'S RECOMMENDATIONS.
4. FLASH ALL ROOF CURBS, PENETRATIONS, ETC. PER ROOFING MANUFACTURER RECOMMENDATIONS - REFER TO/COORDINATE WITH MECHANICAL AND PLUMBING PLANS AND FLASH ALL PENETRATIONS AS REQUIRED.
5. SEE MECHANICAL DRAWINGS AND EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
6. FULL ROOF SYSTEM SHALL BE INSTALLED BY OWNERS CONTRACTOR OUTSIDE OF GC'S ROOF SYSTEM N.I.C SHALL BE B.U.R., FLASHING, SCUPPERS & CURBS. GC SHALL COORDINATE ROOF DRAINS AND SCHEDULE WITH OWNERS ROOFING CONTRACTOR.



1 ROOF PLAN
1/8" = 1'-0"

Plot Date: 3/30/2018 5:29:21 PM
Dwg Filename: C:\Users\j_woodworth\Documents\SUNY Purchase - Hub_j_woodworth.rvt

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REVISIONS

NO.	DATE	DESCRIPTION
1	03.30.2018	Addendum 1

SEAL:

ISSUED FOR: ADDENDUM 1
ISSUED DATE: 03.30.2018

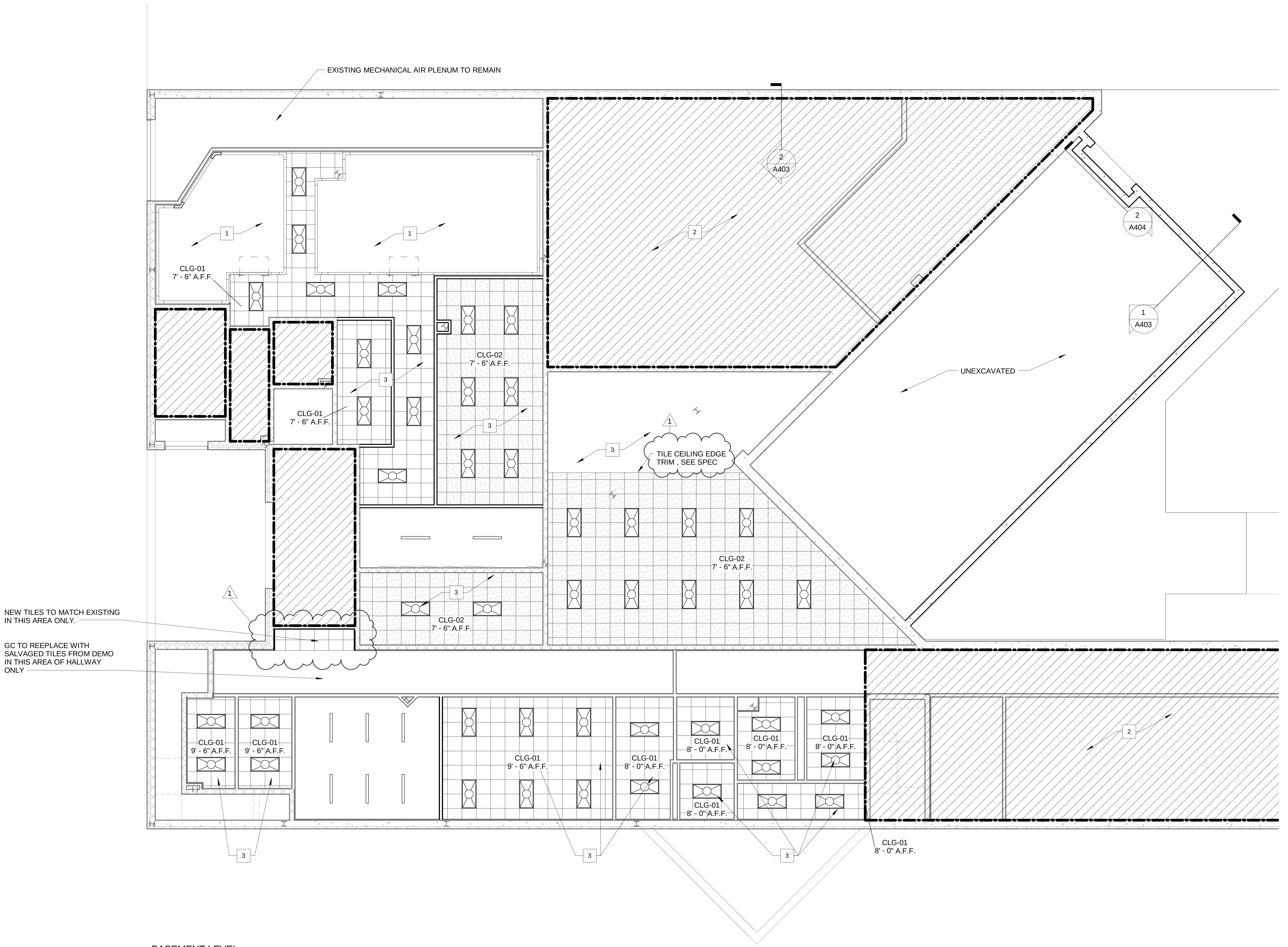
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: 1517347

DRAWING NAME:

ROOF PLAN

DRAWING NO.

A103



1 BASEMENT LEVEL
1/8" = 1'-0"

CEILING PLAN GENERAL NOTES

1. ALL CEILING MOUNTED WIRING WITHIN THE EXPOSED CEILING AREAS OF THE HUB SHALL BE RUN WITHIN A RACEWAY, AND THE RACEWAY AND ALL ASSOCIATED ATTACHEMENTS, ETC. WILL BE PAINTED BLACK TO MATCH THE CEILING FINISHES.
2. ALL CEILING GRIDS TO BE CENTERED IN ROOM, UNLESS NOTED OTHERWISE.
3. SEE EQUIPMENT DRAWINGS AND ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHTING INFORMATION.
4. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL SYMBOLS.
5. REFER TO V102 AND V112 FOR ALL CEILING HEIGHTS, FINISHES AND LIGHTING LOCATIONS.
6. GC IS TO V.I.F. THE HEIGHTS OF DUCTS IN BASEMENT PRIOR TO CEILING INSTALLTION. ANY CONFLICTS, CONTACT ARCHITECT.
7. SEE MEP DRAWINGS FOR SUPPLY AND RETURN GRILL LOCATIONS

PLAN NOTES - RCP

1	SEE EQUIPMENT DRAWINGS FOR LIGHT INFORMATION IN COOLERS
2	AREA NOT IN SCOPE.
3	NEW ACT TILE CEILING, SEE V102 AND V112 FOR ADDITIONAL INFORMATION
4	NEW GYP. BD. SOFFIT CEILING, SEE V102 AND V112FOR ADDITIONAL INFORMATION
5	DECORATIVE CEILING TRELLIS, SEE 4/A203 FOR ADDITIONAL INFORMATION. SEE V112 FOR FINISH INFORMATION.
6	NEW EXHAUST HOOD TO BE INCLUDED IN BASE BID, SEE EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
7	TVS TO BE PROVIDED BY OTHERS.
8	DECORATIVE TRELLIS, SEE V112 FOR ADDITIONAL INFORMATION.

SYMBOL LEGEND

- 2X4 LED FIXTURE
- 2X2 LED FIXTURE
- RECESSED CAN FIXTURE
- DECORATIVE PENDANT LIGHT
- LAMINATE CEILING
- HIGH BAY LIGHT FIXTURE
- DECORATIVELINEAR LIGHT FIXTURE
- INDUSTRIAL STRIPE LIGHTING
- MONITOR

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REVISIONS

NO.	DATE	DESCRIPTION
1	03.30.2018	Addendum 1

SEAL:

ISSUED FOR: ADDENDUM 1
ISSUED DATE: 03.30.2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: 1517347

DRAWING NAME:
BASEMENT REFLECTED CEILING PLAN

DRAWING NO.
A200

Plot Date: 3/30/2018 5:29:26 PM
Dwg Filename: C:\Users\j_woodworth\Documents\SUNY Purchase - Hub_j_woodworth.rvt

CEILING PLAN GENERAL NOTES

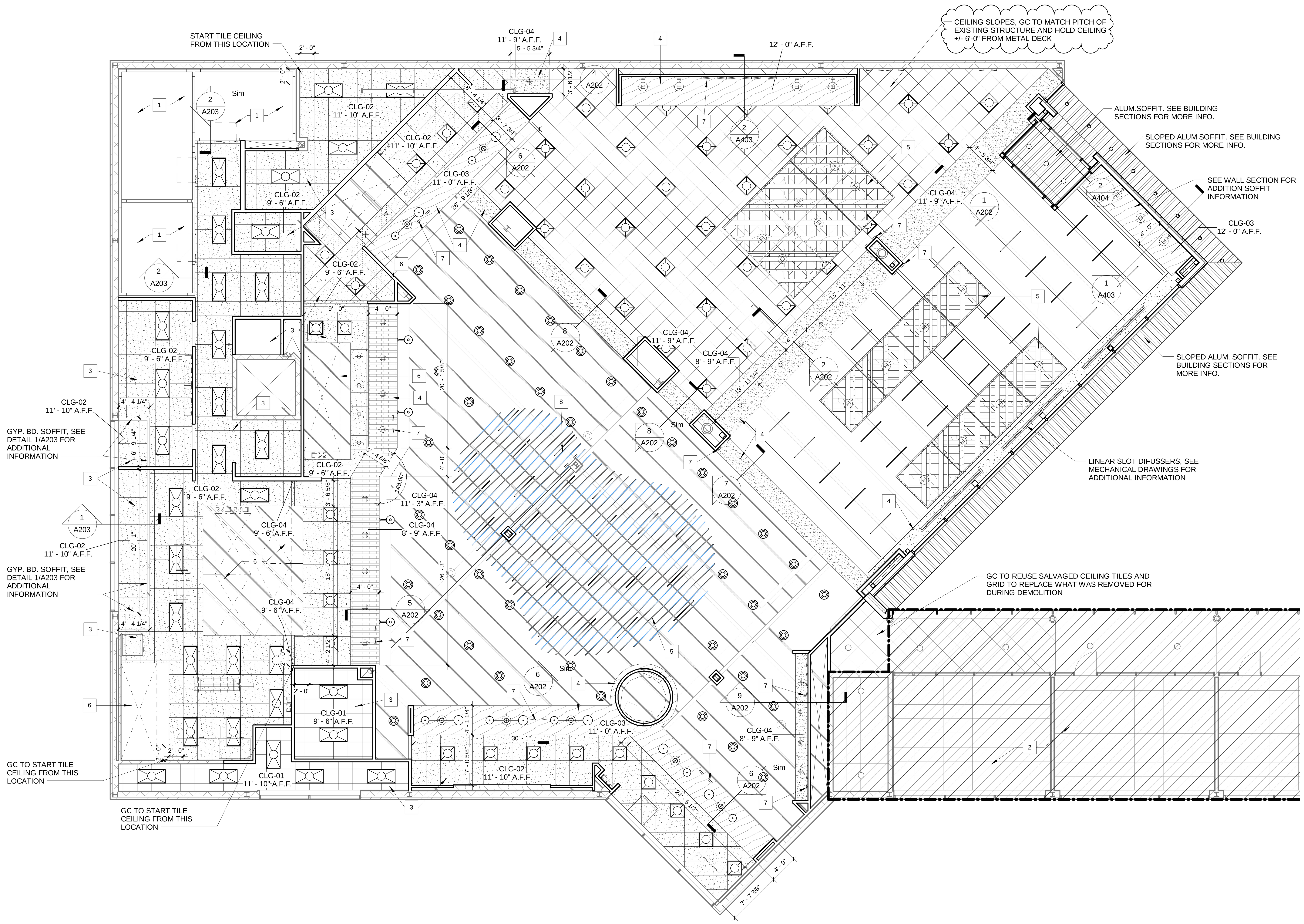
1. ALL CEILING MOUNTED WIRING WITHIN THE EXPOSED CEILING AREAS OF THE HUB SHALL BE RUN WITHIN A RACEWAY, AND THE RACEWAY AND ALL ASSOCIATED ATTACHEMENTS, ETC. WILL BE PAINTED BLACK TO MATCH THE CEILING FINISHES.
2. ALL CEILING GRIDS TO BE CENTERED IN ROOM, UNLESS NOTED OTHERWISE.
3. SEE EQUIPMENT DRAWINGS AND ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHTING INFORMATION.
4. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL SYMBOLS.
5. REFER TO V102 AND V112 FOR ALL CEILING HEIGHTS, FINISHES AND LIGHTING LOCATIONS.
6. GC IS TO V.I.F. THE HEIGHTS OF DUCTS IN BASEMENT PRIOR TO CEILING INSTALLTION. ANY CONFLICTS, CONTACT ARCHITECT.
7. SEE MEP DRAWINGS FOR SUPPLY AND RETURN GRILL LOCATIONS

PLAN NOTES - RCP

1	SEE EQUIPMENT DRAWINGS FOR LIGHT INFORMATION IN COOLERS
2	AREA NOT IN SCOPE.
3	NEW ACT TILE CEILING, SEE V102 AND V112 FOR ADDITIONAL INFORMATION
4	NEW GYP. BD. SOFFIT CEILING, SEE V102 AND V112FOR ADDITIONAL INFORMATION
5	DECORATIVE CEILING TRELLIS, SEE 4/A203 FOR ADDITIONAL INFORMATION. SEE V112 FOR FINISH INFORMATION.
6	NEW EXHAUST HOOD TO BE INCLUDED IN BASE BID, SEE EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
7	TVS TO BE PROVIDED BY OTHERS.
8	DECORATIVE TRELLIS, SEE V112 FOR ADDITIONAL INFORMATION.

SYMBOL LEGEND

- 2X4 LED FIXTURE
- 2X2 LED FIXTURE
- RECESSED CAN FIXTURE
- DECORATIVE PENDANT LIGHT
- LAMINATE CEILING
- HIGH BAY LIGHT FIXTURE
- DECORATIVELINEAR LIGHT FIXTURE
- INDUSTRIAL STRIPE LIGHTING
- MONITOR



1 DINING LEVEL
1/8" = 1'-0"

ARCHITECT:
PHASE ZERO DESIGN
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CONSULTANT:

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CAFE ADDITION AND RENOVATION
735 ANDERSON HILL RD
PURCHASE, NY 10577

REVISIONS

NO.	DATE	DESCRIPTION
1	03.30.2018	Addendum 1

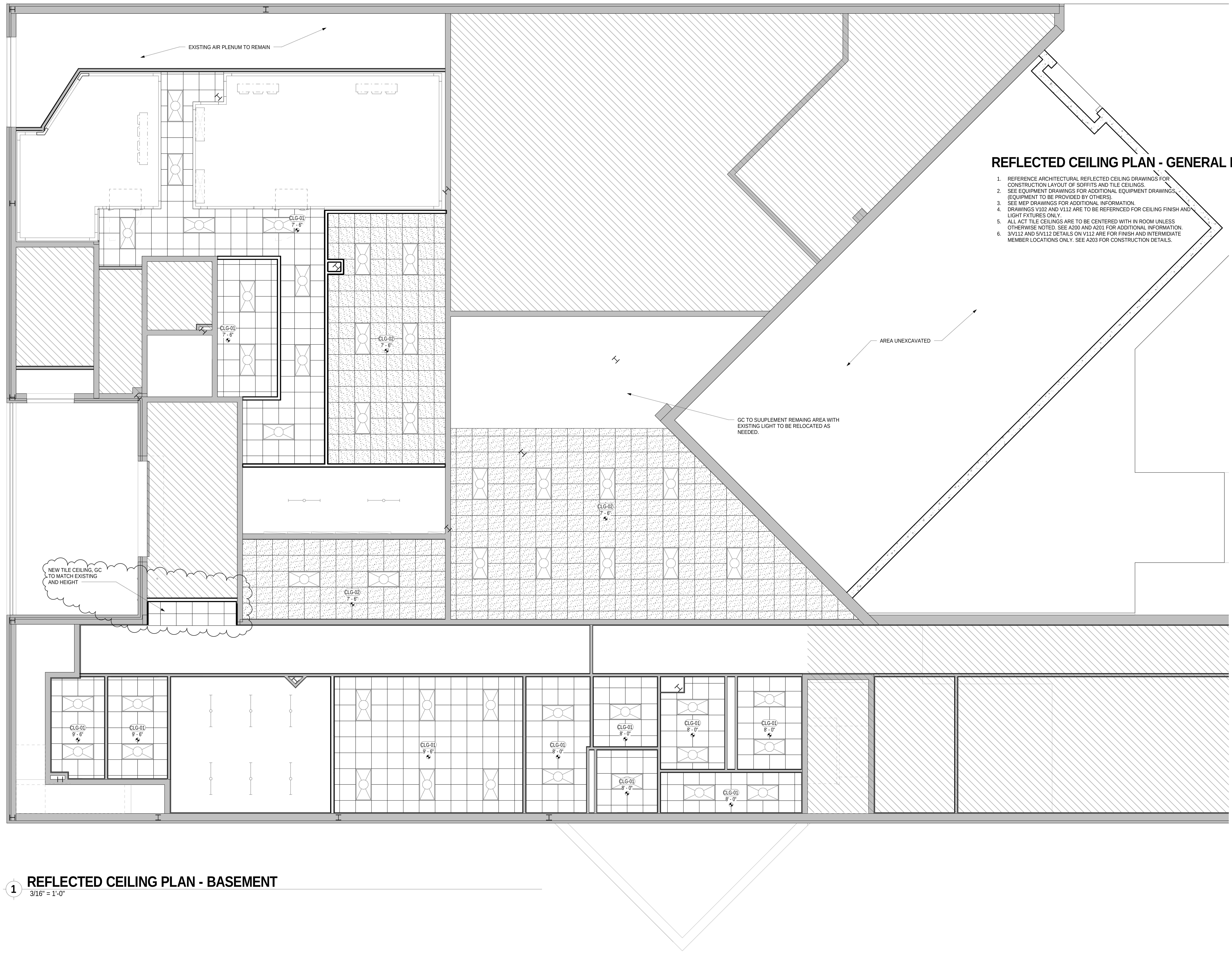
SEAL:

ISSUED FOR: ADDENDUM 1
ISSUED DATE: 03.30.2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: 1517347

DRAWING NAME:
FIRST FLOOR REFLECTED CEILING PLAN

DRAWING NO.
A201

Plot Date: 3/30/2018 5:29:35 PM Dwg Filename: C:\Users\j_woodworth\Documents\SUNY Purchase - Hub_j_woodworth.rvt



REFLECTED CEILING PLAN - GENERAL NOTES

1. REFERENCE ARCHITECTURAL REFLECTED CEILING DRAWINGS FOR CONSTRUCTION LAYOUT OF SOFFITS AND TILE CEILINGS.
2. SEE EQUIPMENT DRAWINGS FOR ADDITIONAL EQUIPMENT DRAWINGS. (EQUIPMENT TO BE PROVIDED BY OTHERS).
3. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
4. DRAWINGS V102 AND V112 ARE TO BE REFERNCED FOR CEILING FINISH AND LIGHT FXTURES ONLY.
5. ALL ACT TILE CEILINGS ARE TO BE CENTERED WITH IN ROOM UNLESS OTHERWISE NOTED. SEE A200 AND A201 FOR ADDITIONAL INFORMATION.
6. 3/V112 AND 5/V112 DETAILS ON V112 ARE FOR FINISH AND INTERMIDIATE MEMBER LOCATIONS ONLY. SEE A203 FOR CONSTRUCTION DETAILS.

1 REFLECTED CEILING PLAN - BASEMENT

3/16" = 1'-0"

ARCHITECTURE:

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PROJECT:

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REVISIONS

NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

SEAL:

ISSUED FOR: BID

ISSUED DATE: 02/16/2018

DRAWN BY: JW

CHECKED BY: CM

PROJECT NUMBER: CW-0205.4

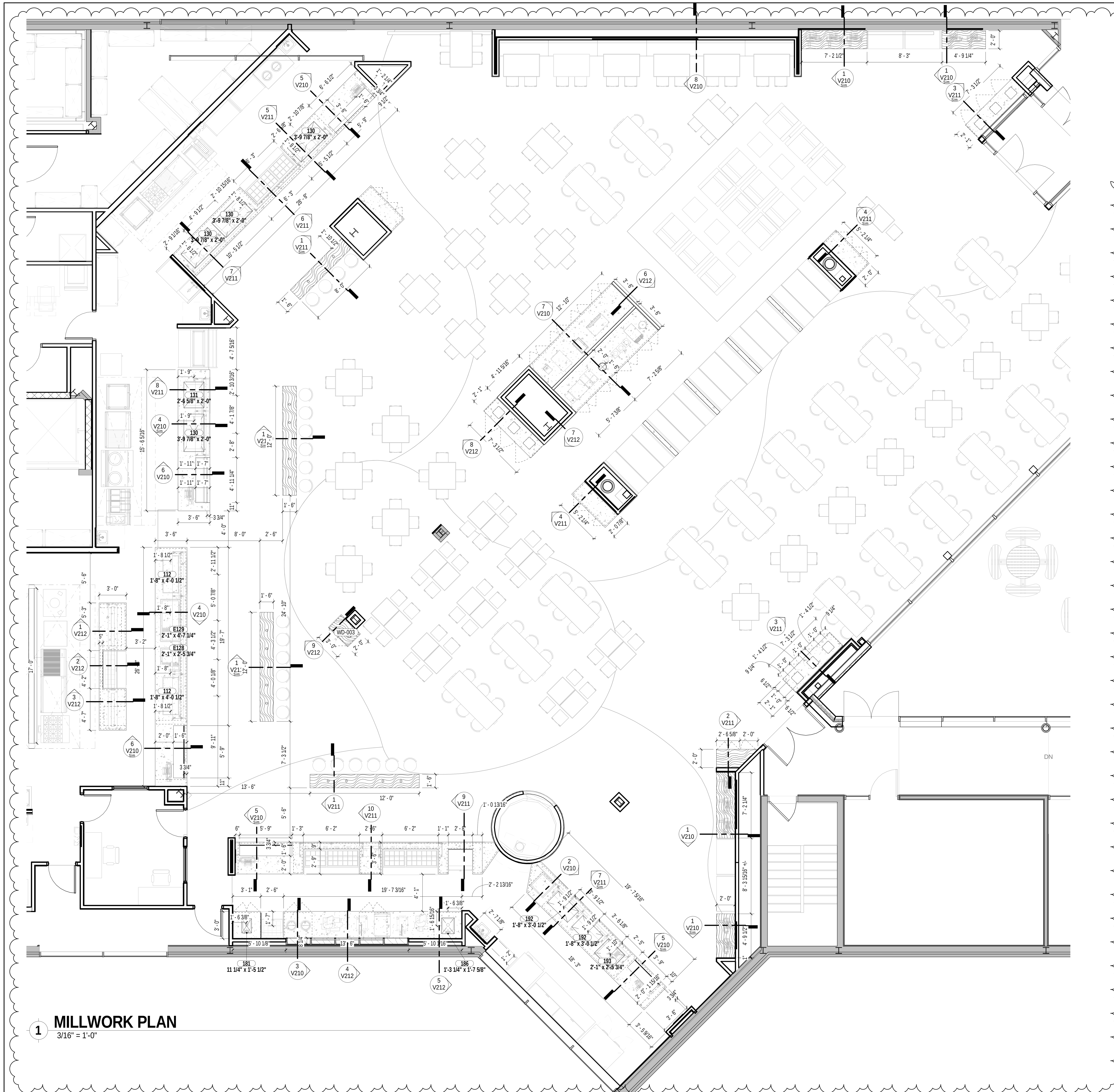
DRAWING NAME:

REFLECTED CEILING PLAN - BASEMENT

DRAWING NO.

V102

Plot Date: 3/30/2018 5:35:15 PM Dwg Filename: C:\Users\j_woodworth\Documents\CW-0205-4-NORTH CAMPUS_v2016CD_j_woodworth.rvt

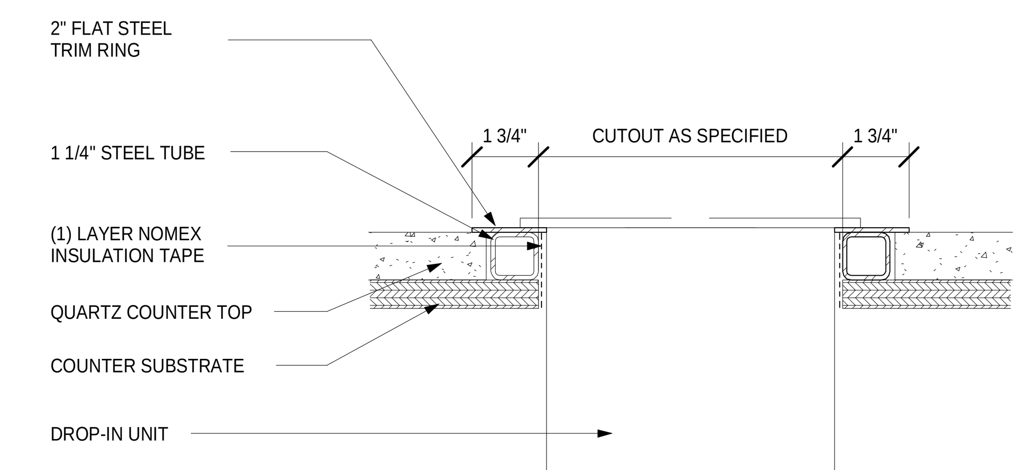


1 MILLWORK PLAN

3/16" = 1'-0"

MILLWORK PLAN - GENERAL NOTES

1. ALL MILLWORK IS SHOWN FOR REFERENCE (N.I.C) OWNER WILL PROVIDE UNDER SEPERATE CONTRACT OUTSIDE OF GC BID PACKAGE. ALL BLOCKING AND PREP FOR MILLWORK SHALL BE INCLUDED WITH IN BASE BID WORK BY GC.
2. LAMINATE ON SOFFITS SHALL BE INSTALLED BY GC.
3. GC TO PROVIDED ROUGH IN'S TO MILLWORK.



2 MILLWORK BEAUTY / HEAT RING DETAIL

3" = 1'-0"

MILLWORK LEGEND

GENERAL NOTES:

- REFER TO FINISHES SCHEDULE FOR ALL FINISHES.
- MILLWORK CONTRACTOR TO SITE VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- DRAWINGS TO BE READ IN CONJUNCTION WITH EQUIPMENT SCHEDULE & ASSOCIATED DOCUMENTATION SUBMITTED BY VISIONBUILDERS & DESIGN.
- MILLWORK CONTRACTOR TO SUBMIT SHOP DRAWINGS PRIOR TO CONSTRUCTION / FABRICATION FOR DESIGNER'S APPROVAL.
- UNLESS OTHERWISE NOTED, ALL INTERIOR KNEEWALL SURFACES AND CABINET INTERIORS TO RECEIVE WHITE PLASTIC LAMINATE FINISH.
- UNLESS OTHERWISE NOTED, THE UNDERSIDE OF THE COUNTERTOP SUBSTRATE IS TO RECEIVE A WHITE LAMINATE FINISH
- ALL SURFACES TO BE FINISHED. NO EXPOSED SURFACES WILL BE ACCEPTED.
- MILLWORK CONTRACTOR TO ENSURE COUNTER FITS SNUG WITH SURROUNDING SITE AND MILLWORK CONDITIONS. IF NECESSARY SCRIBE COUNTER ON SITE.
- WHERE COUNTERTOP SUBSTRATE INTERFERES WITH UNDERCOUNTER EQUIPMENT CLEARANCES, STEEL FLAT BARS SHALL BE USED TO SUPPORT THE COUNTERTOP AS NEEDED.
- MILLWORK CONTRACTOR TO ENSURE ALL SPECIFIED/PROVIDED EQUIPMENT FITS INTO COUNTER AS NOTED. CHECK ALL MANUFACTURER'S SPECIFICATIONS PRIOR TO FABRICATION.
- MILLWORK CONTRACTOR TO LIASE WITH KEC TO COORDINATE ADEQUATE MILLWORK REINFORCEMENT TO SUPPORT SPECIFIED/PROVIDED EQUIPMENT AT FULL CAPACITY.
- MILLWORK CONTRACTOR TO CLEAN AND SEAL AROUND ALL COUNTERTOP CUTOUTS FOR EQUIPMENT, TRASH DROPS, ETC.
- ANY SUPPORT LEGS INDICATED ON THE DRAWINGS ARE SUGGESTED PLACEMENT. QUANTITY OF SUPPORT LEGS SHALL BE DETERMINED BY MILLWORK CONTRACTOR AND KEC.
- MILLWORK CONTRACTOR TO PROVIDE ADEQUATE VENTILATION IN COUNTERS FOR REQUIRED EQUIPMENT. CHECK ALL MANUFACTURER'S SPECIFICATIONS PRIOR TO FABRICATION.
- ALL CONSTRUCTION TO BE 3/4" C-3 GRADE PLYWOOD OR APPROVED EQUAL, FINISH AS SPECIFIED.
- UNLESS OTHERWISE DETAILED, LOUVERED MILLWORK DOORS SHALL HAVE 1/2" VENTILATION SLOTS ROUTED INTO THE ENTIRE DOOR @ 1 1/2" OC. VENTILATION SLOTS SHALL STOP MIN. 3" ON ALL SIDES. INSIDE OF SLOT TO BE PAINTED BLACK WITH WATERPROOF SEALANT.
- CUSTOMER SIDE OF ALL SERVING COUNTERS SHALL NOT EXCEED 34" ABOVE FINISHED FLOOR

NOTE:
MILLWORK SECTIONS ARE SHOWN AS A GENERAL REPRESENTATION OF PROFILE AND MATERIAL PLACEMENT. MILLWORK SECTIONS ARE NOT TO BE CONSTRUED AS A MEANS AND METHODS FOR CONSTRUCTION/FABRICATION.

MILLWORK CUTOUTS INDICATED ARE BASED ON EQUIPMENT SPECIFICED IN THE DESIGN DEVELOPMENT DOCUMENTS. ANY SUBSTITUTIONS OR ALTERATIONS TO SPECIFIED EQUIPMENT RENDERS CUTOUT INFORMATION NULL AND VOID

SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL.

XX ← ITEM NUMBER
0' 0" x 0' 0" ← CUTOUT SIZE

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REVISIONS

NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

SEAL:

ISSUED FOR: BID

ISSUED DATE: 02/16/2018

DRAWN BY: JW

CHECKED BY: CM

PROJECT NUMBER: CW-0205.4

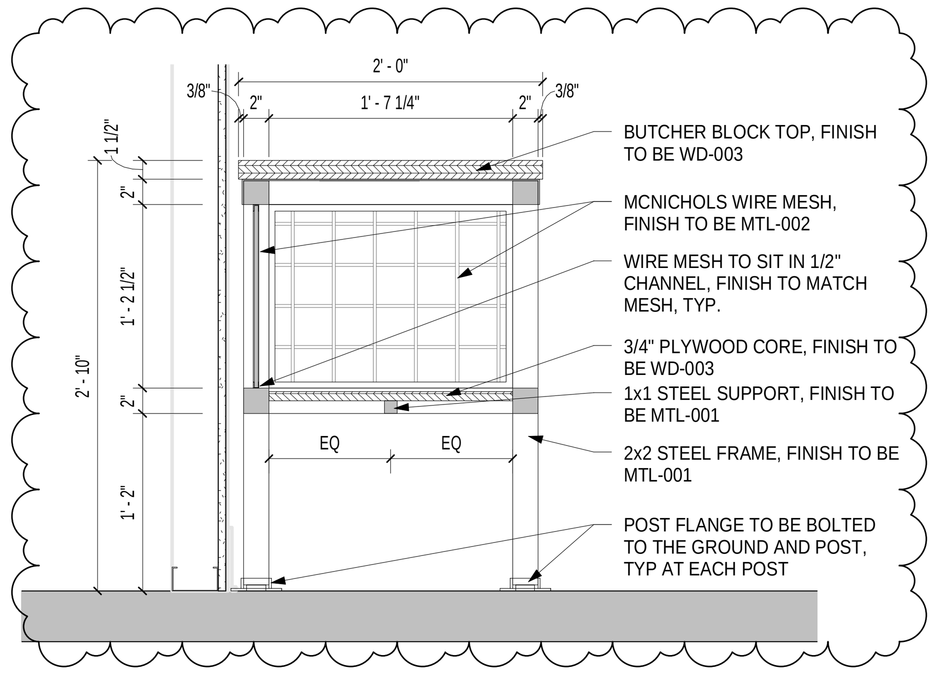
DRAWING NAME:

MILLWORK PLAN

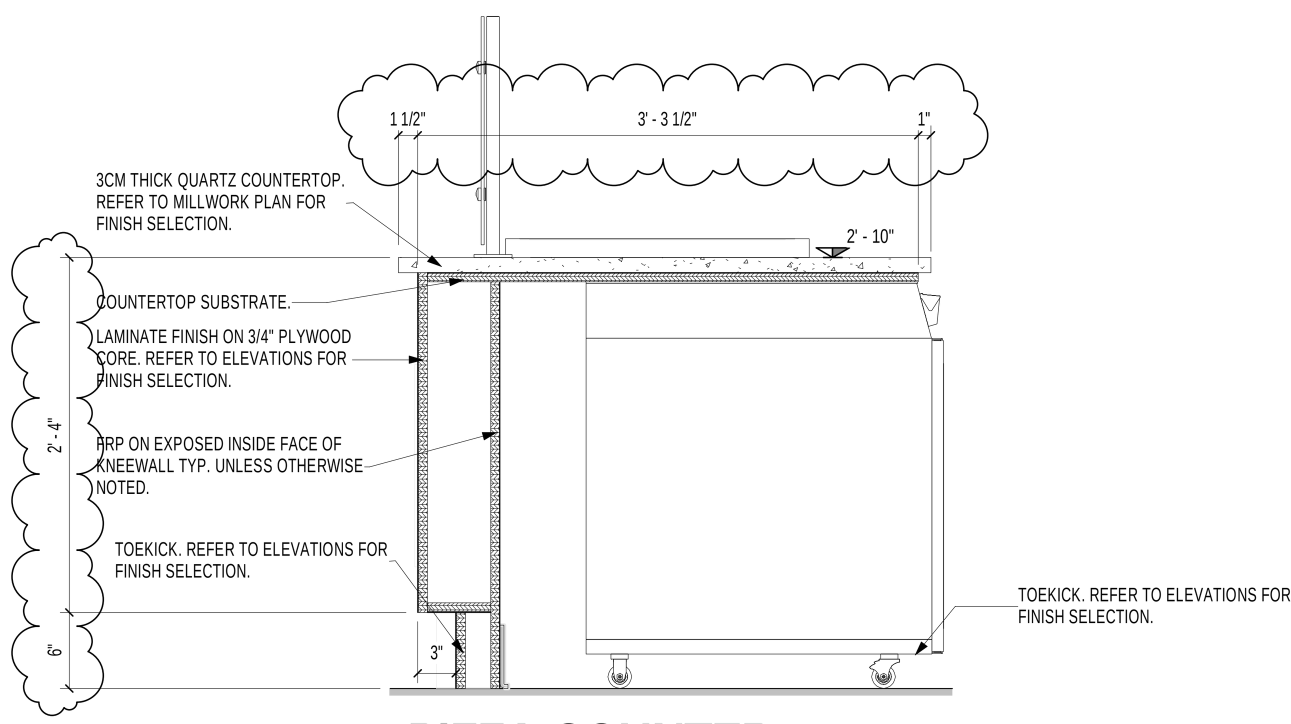
DRAWING NO.

V114

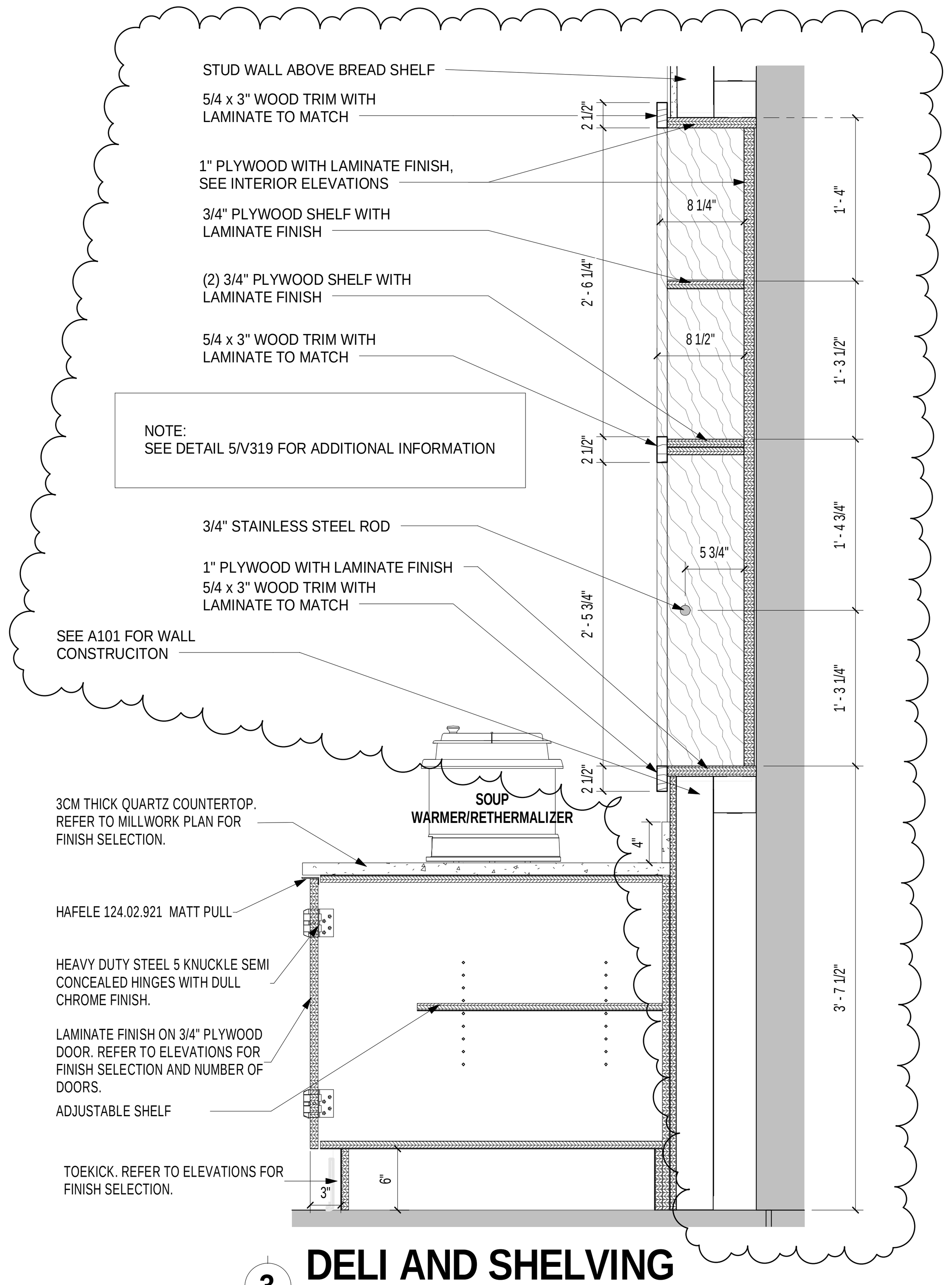
Plot Date: 3/30/2018 5:35:23 PM Dwg Filename: C:\Users\j_woodworth\Documents\CW-0205-4-NORTH CAMPUS_v2016CD_j_woodworth.rvt



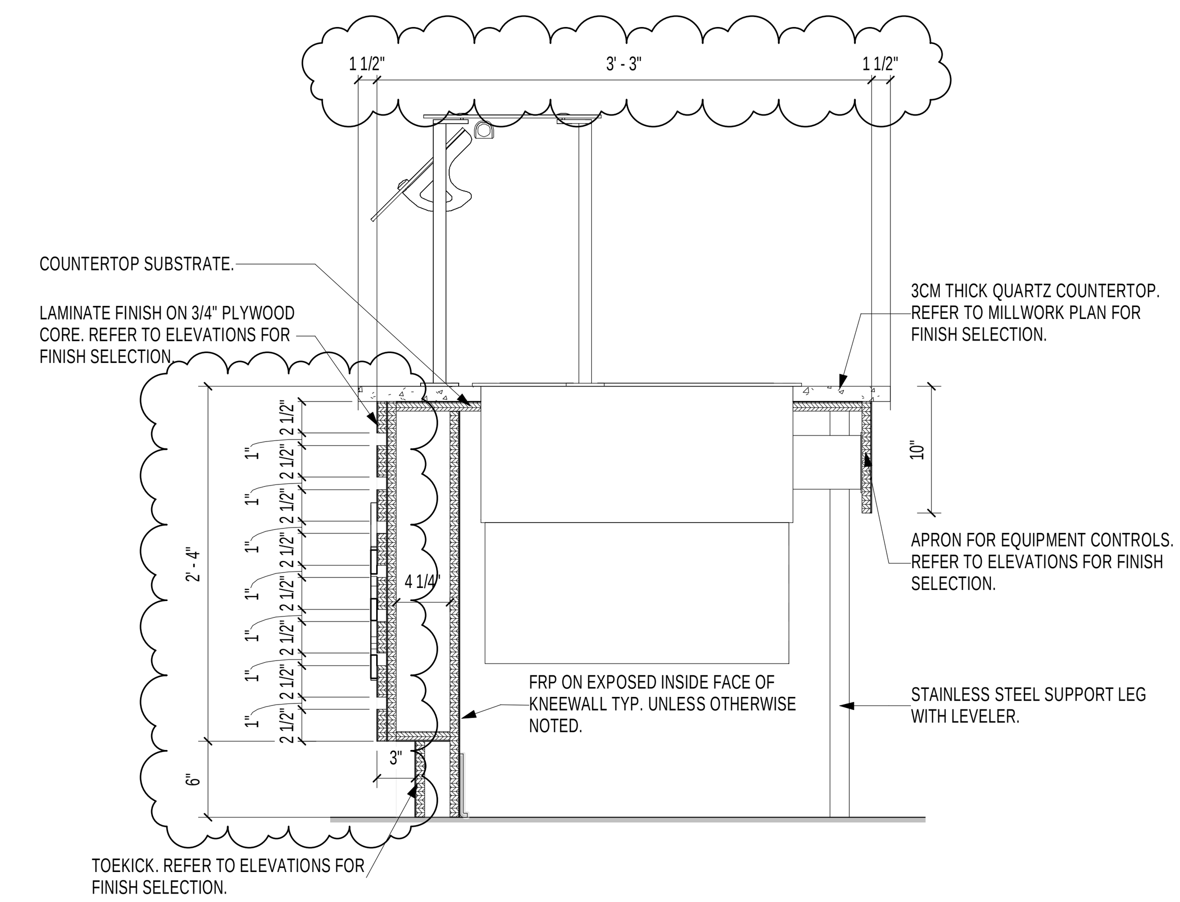
1 QUEUE RETAIL
1" = 1'-0"



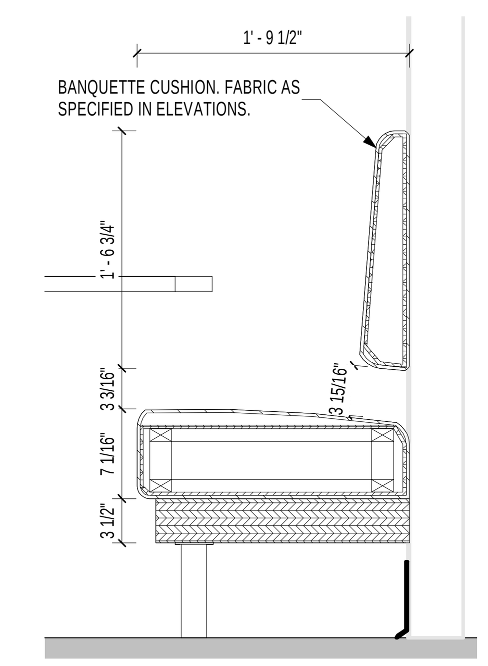
2 PIZZA COUNTER
1" = 1'-0"



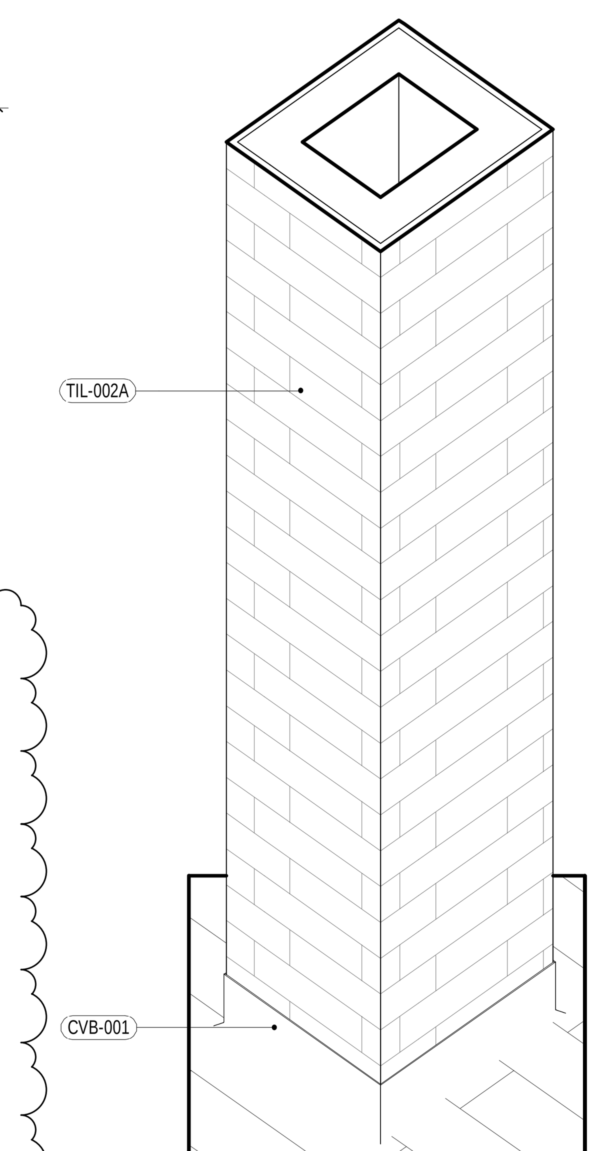
3 DELI AND SHELVING
1" = 1'-0"



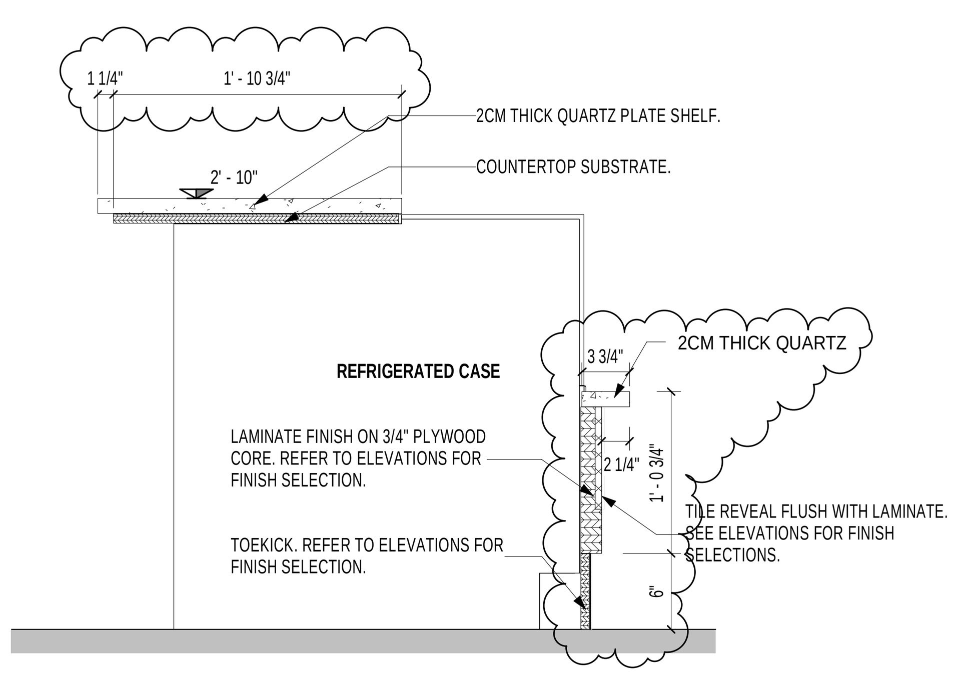
4 OPEN KITCHEN COUNTER 1
1" = 1'-0"



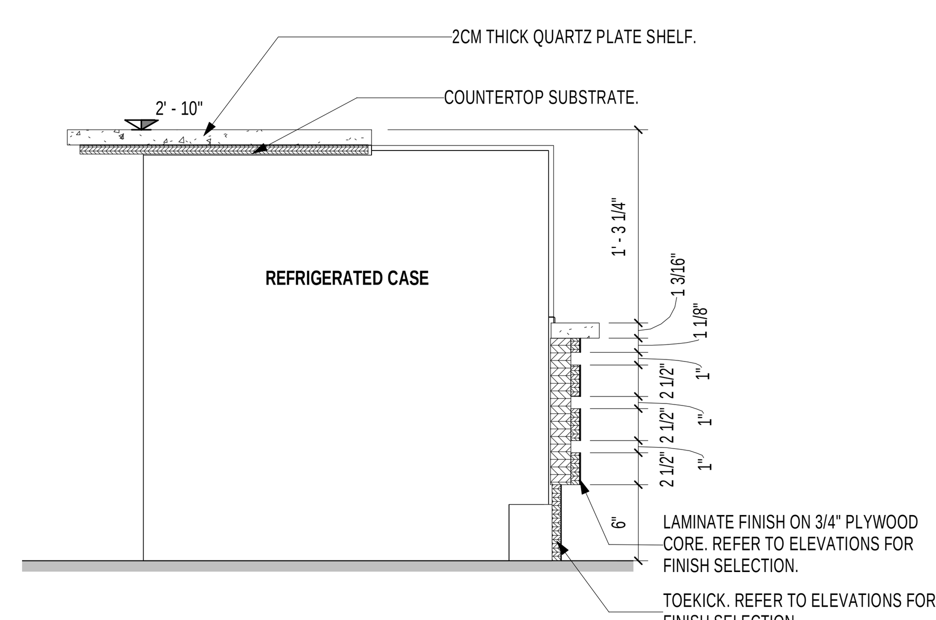
8 BOOTH
1" = 1'-0"



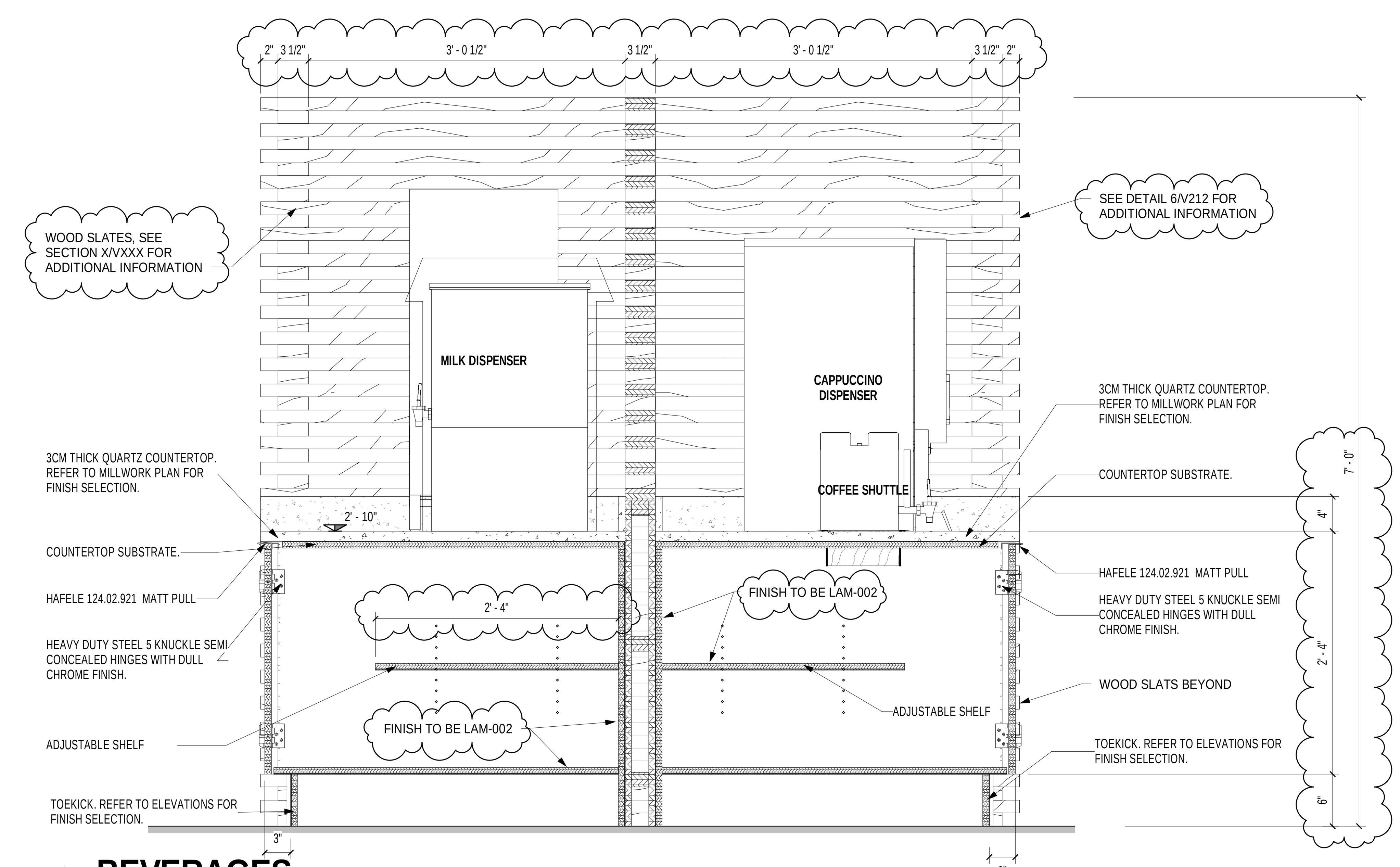
9 3D - TYPICAL COLUMN



5 SALAD COUNTER
1" = 1'-0"



6 FLEXI KITCHEN
1" = 1'-0"



7 BEVERAGES
1" = 1'-0"

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REVISIONS

NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

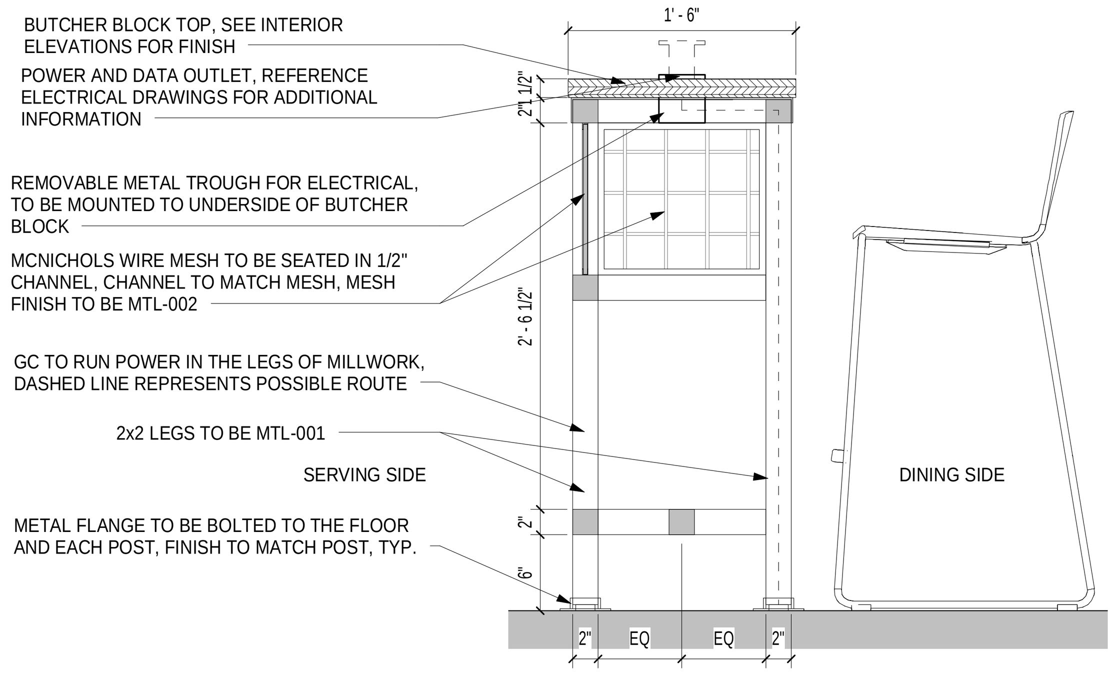
SEAL:

ISSUED FOR: BID
ISSUED DATE: 02/16/2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: CW-0205.4

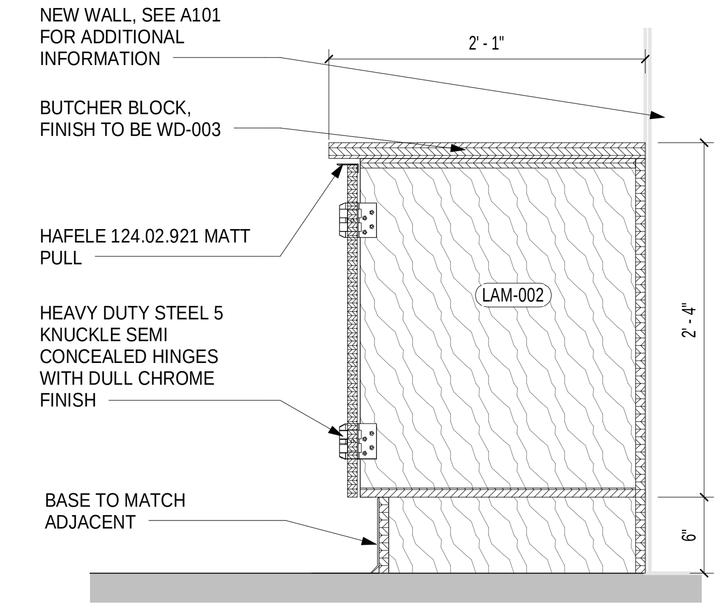
DRAWING NAME:
MILLWORK SECTIONS

DRAWING NO.
V210

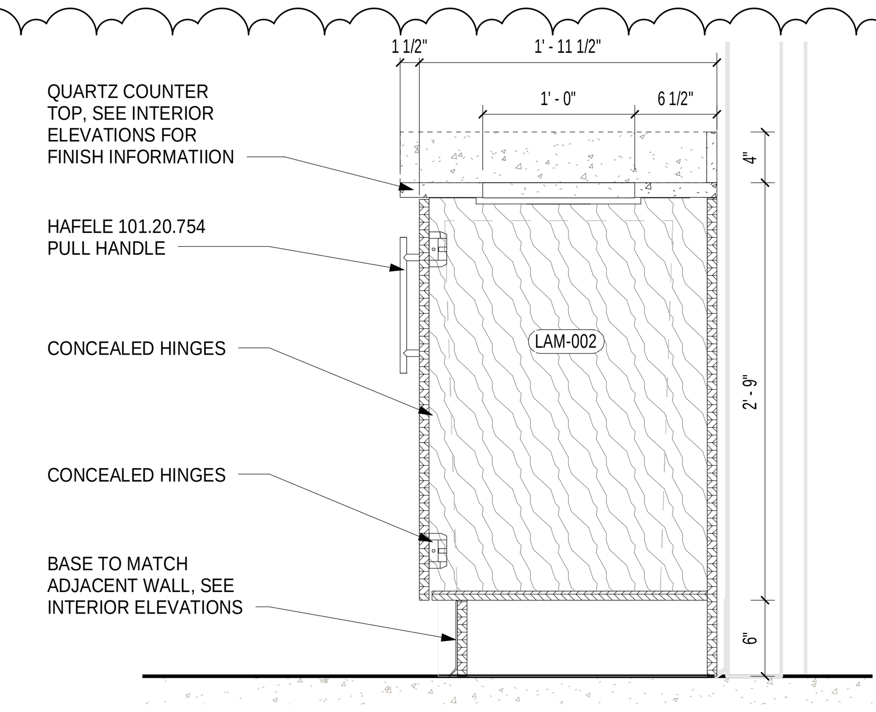
Plot Date: 3/30/2018 5:35:27 PM
Dwg Filename: C:\Users\j_woodworth\Documents\CW-0205-4-NORTH CAMPUS_v2016CD_j_woodworth.rvt



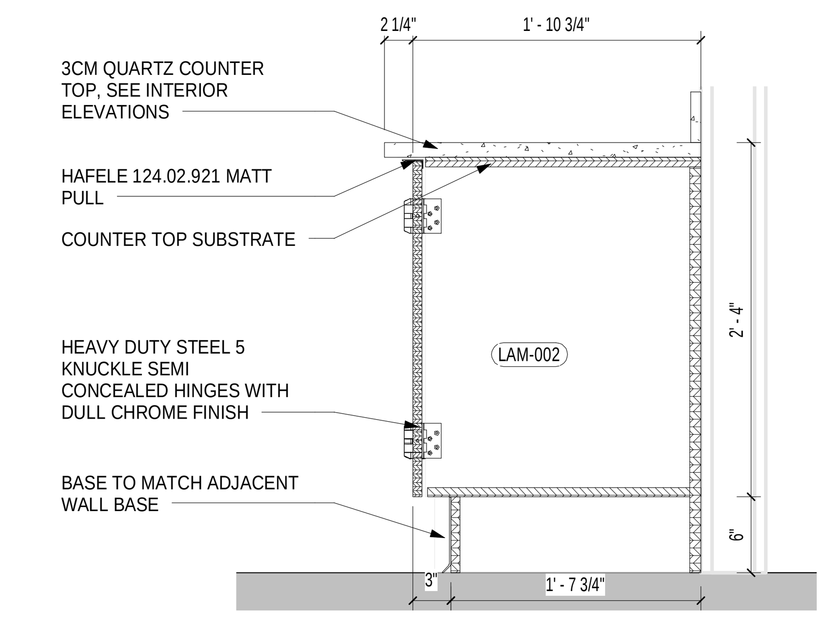
1 BAR TOP SEATING
1" = 1'-0"



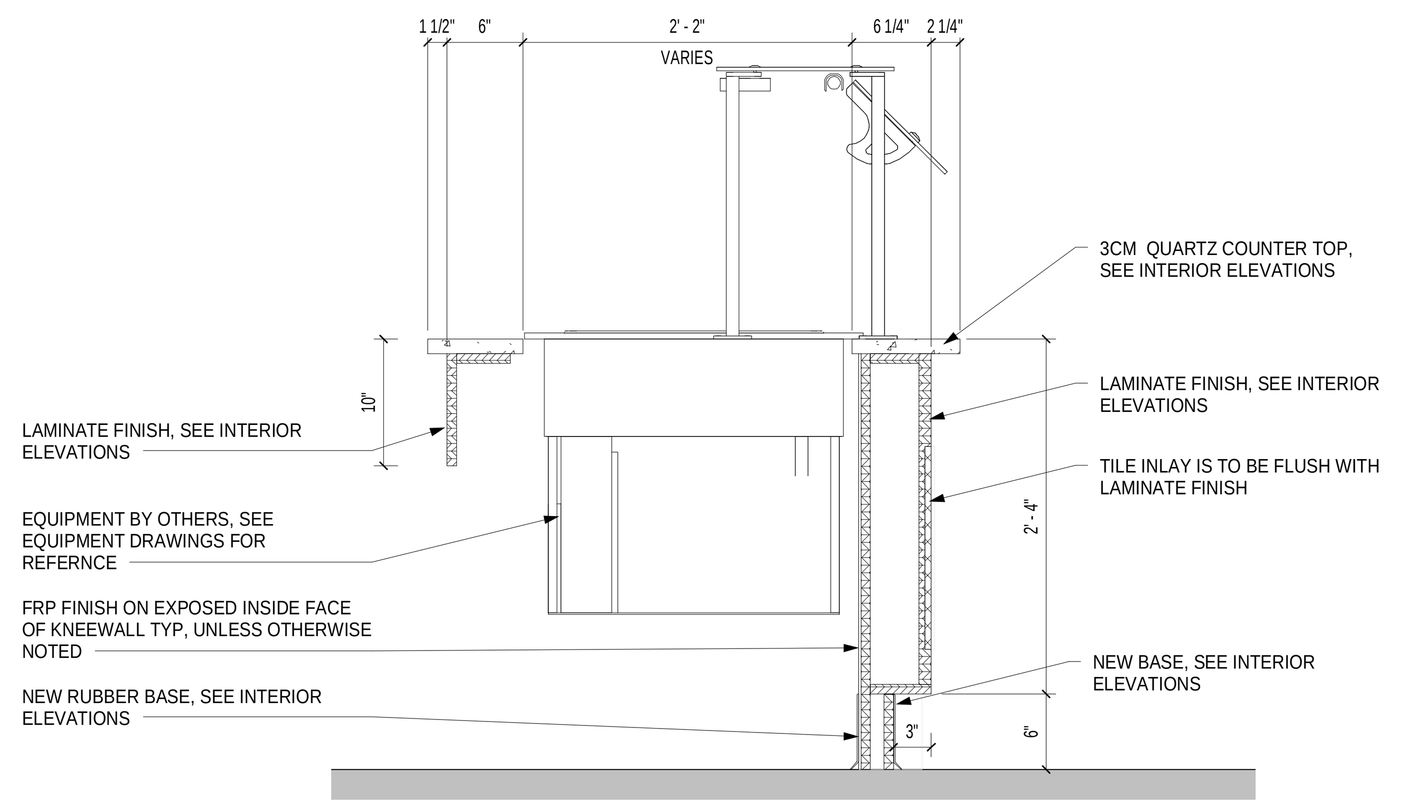
2 MILLWORK SECTION
1" = 1'-0"



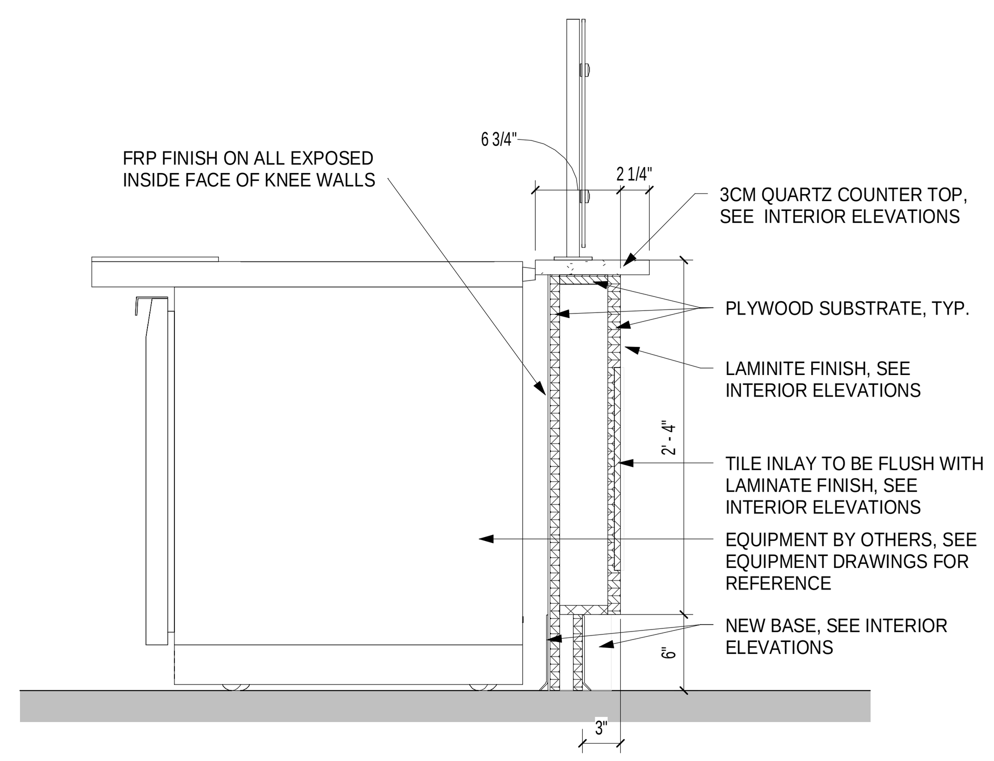
3 TRASH RECEPTICAL
1" = 1'-0"



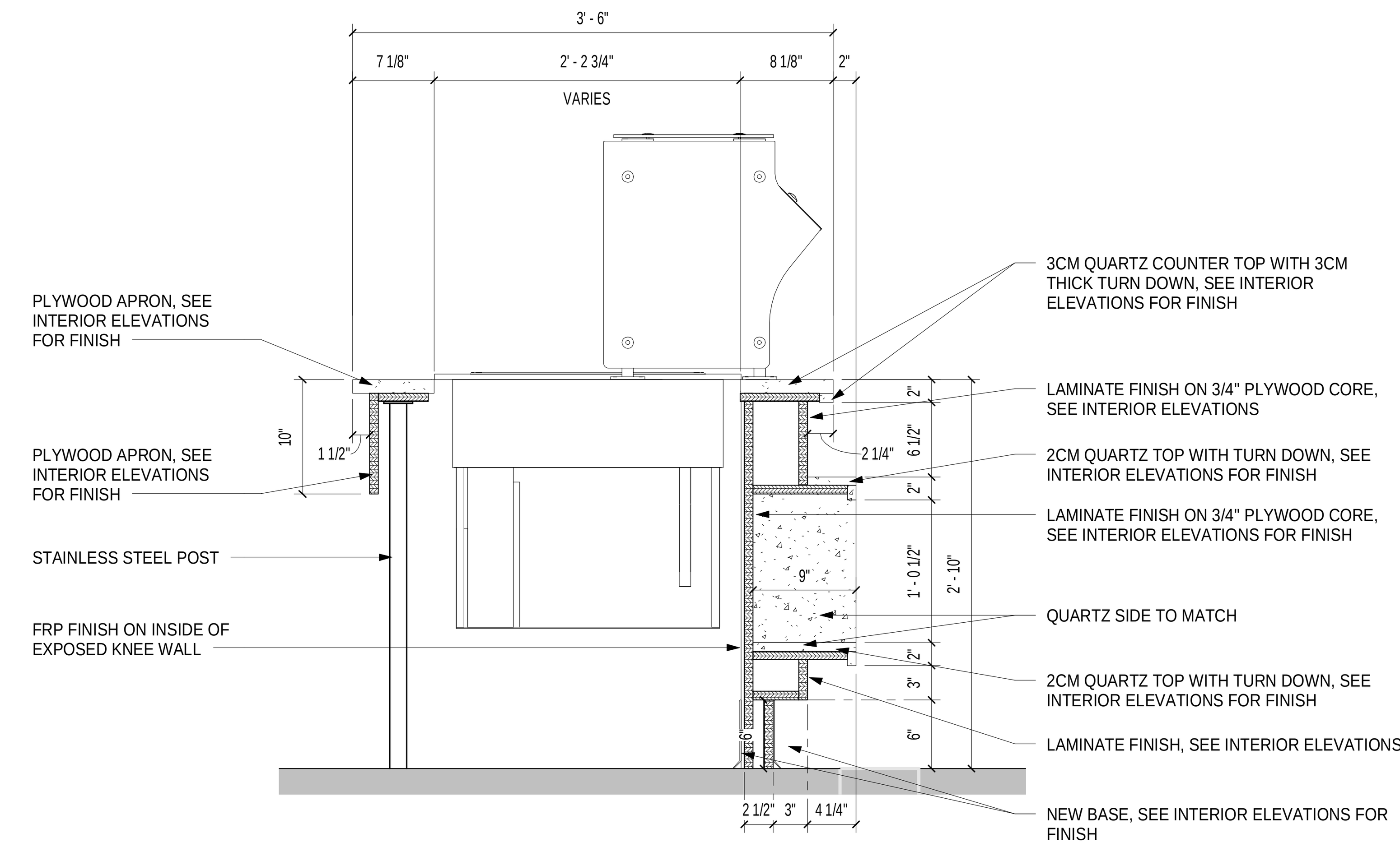
4 CONDIMENT STATION
1" = 1'-0"



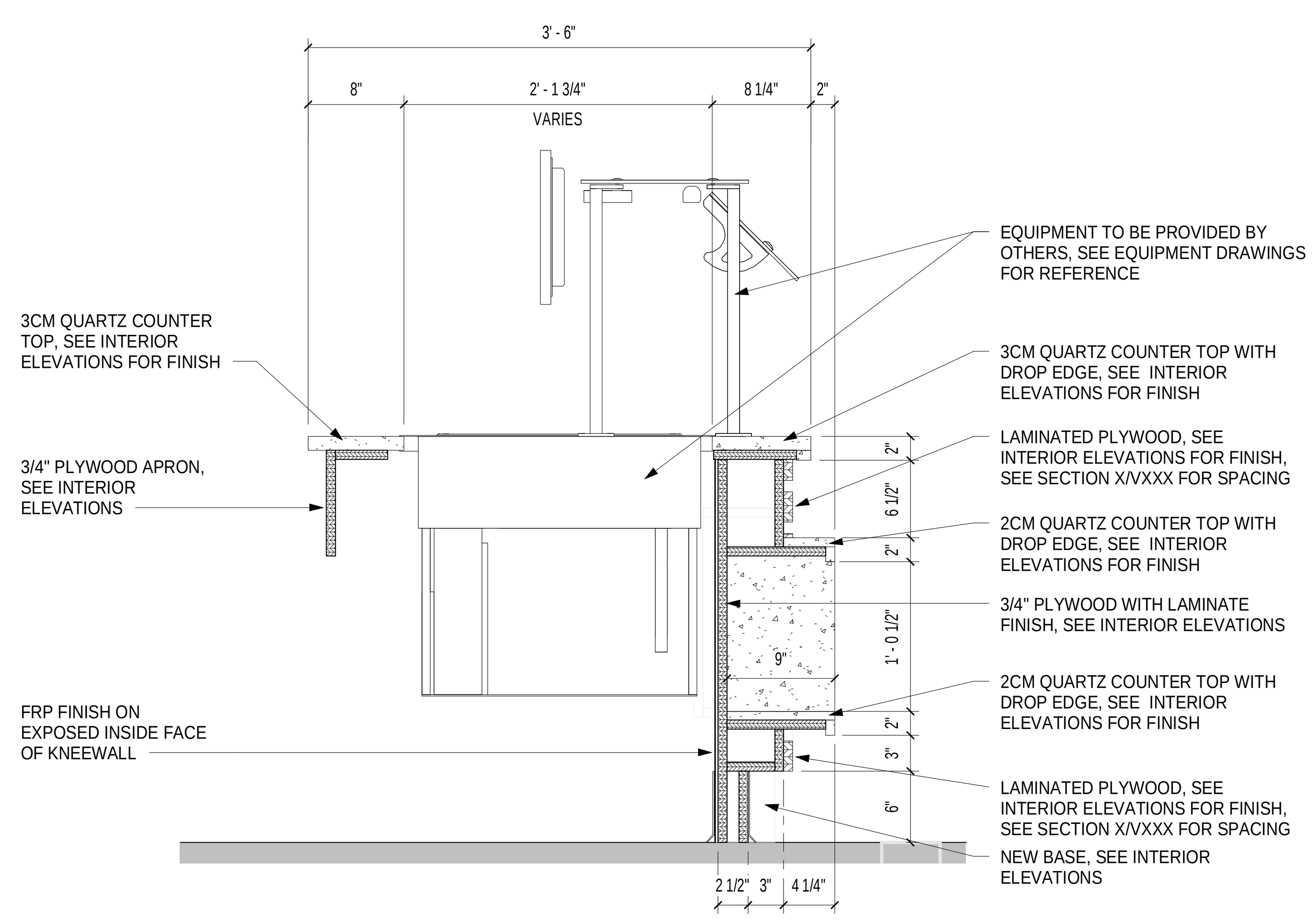
5 SALAD COUNTER 2
1" = 1'-0"



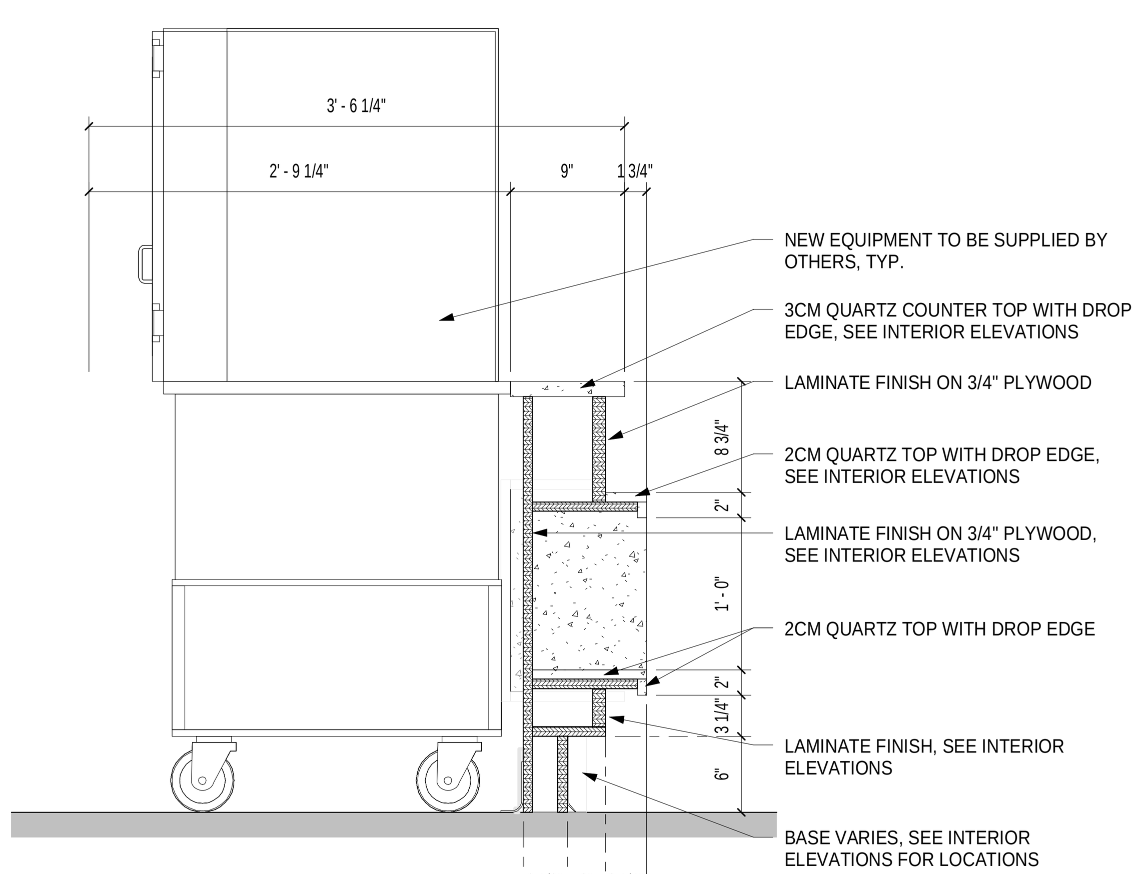
6 SALAD COUNTER 3
1" = 1'-0"



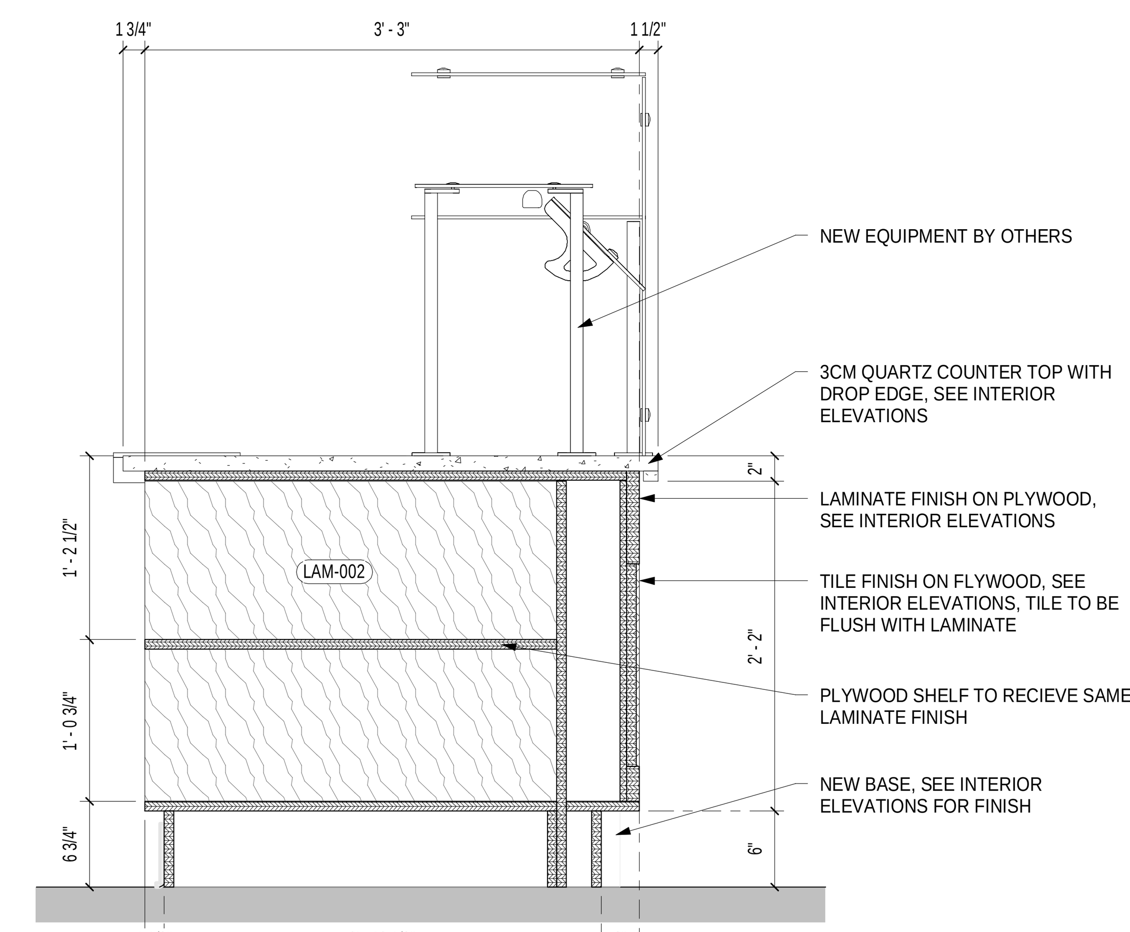
7 ROOTED COUNTER
1" = 1'-0"



8 FLEXI KITCHEN COUNTER
1" = 1'-0"



9 DELI SHELVING
1" = 1'-0"



10 DELI COUNTER
1" = 1'-0"

1

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PROJECT:

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735 ANDERSON HILL RD
PURCHASE, NY 10577

REVISIONS

NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

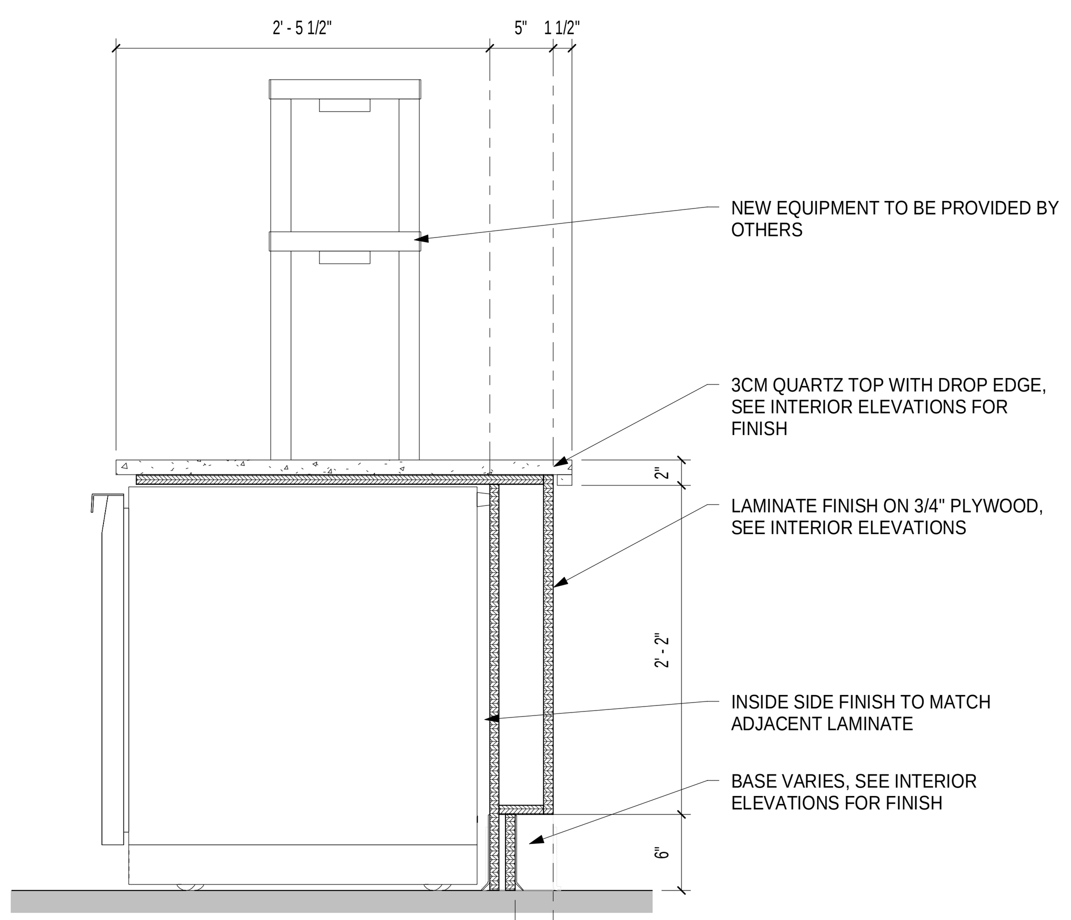
SEAL:

ISSUED FOR: BID
ISSUED DATE: 02/16/2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: CW-0205.4

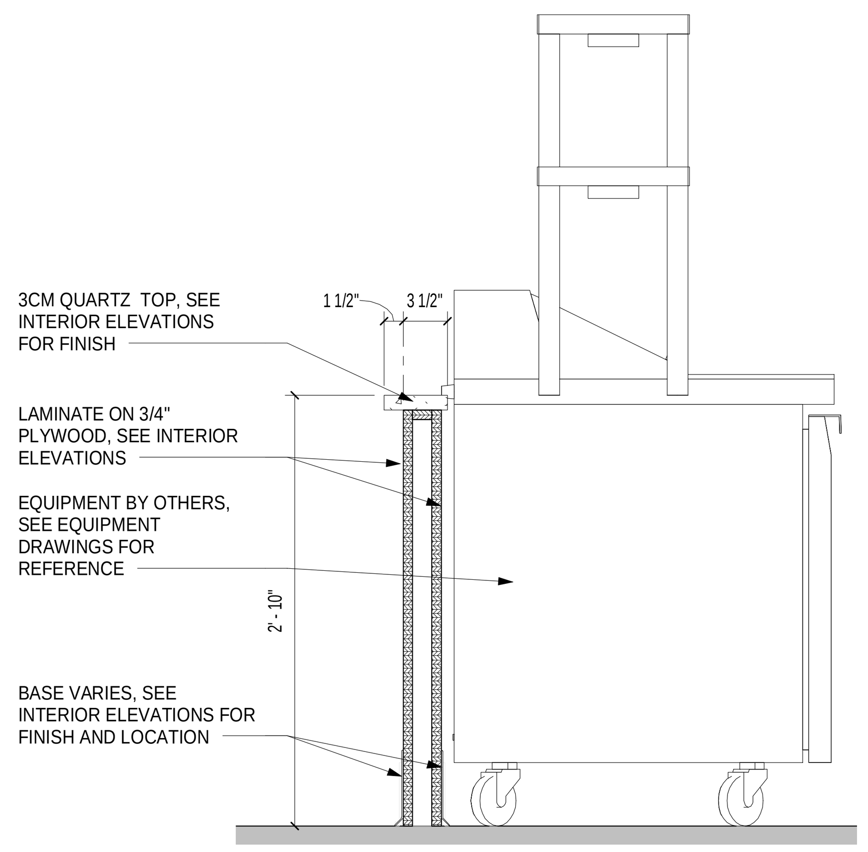
DRAWING NAME:
MILLWORK SECTIONS II

DRAWING NO.
V211

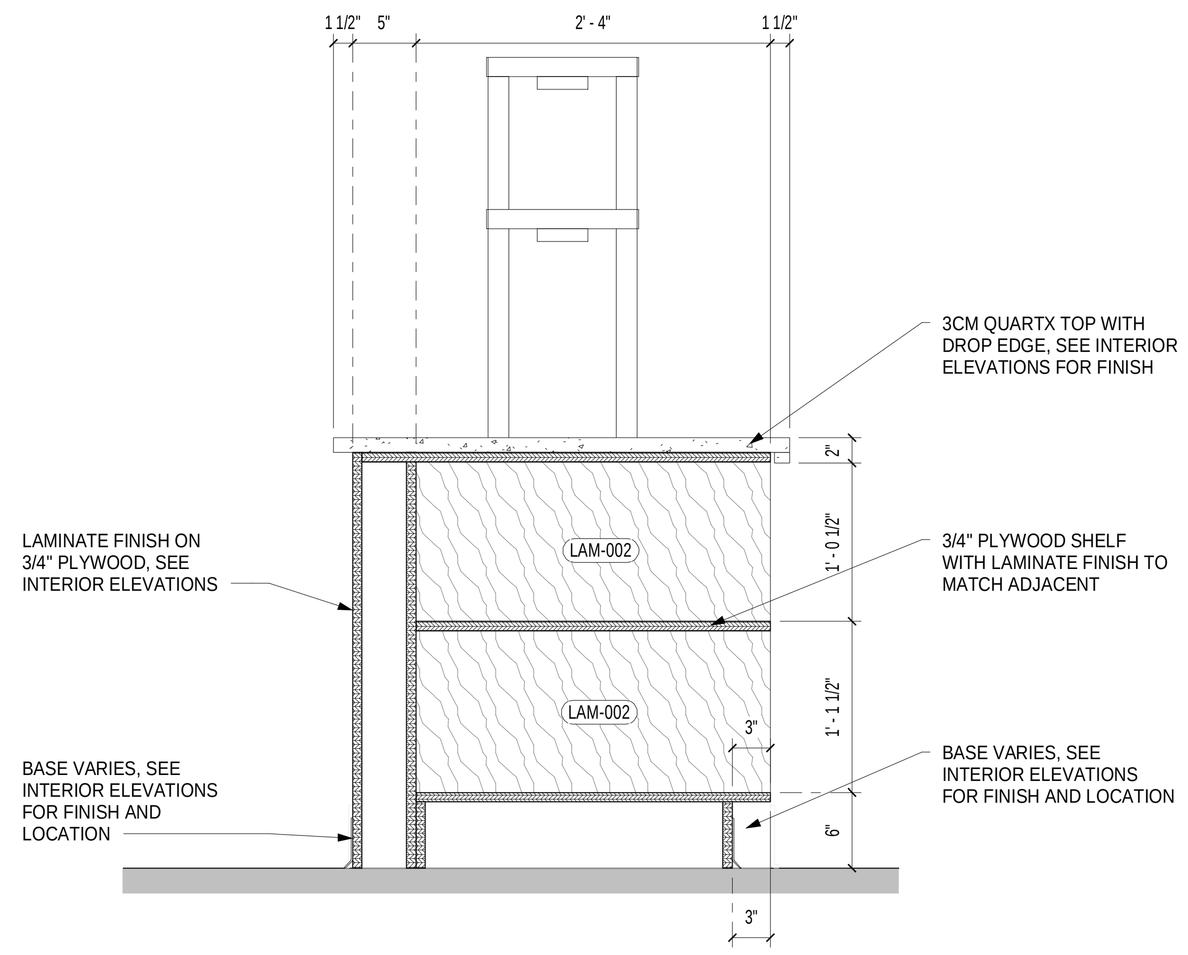
Plot Date: 3/30/2018 5:35:32 PM Dwg Filename: C:\Users\j_woodworth\Documents\CW-0205-4-NORTH CAMPUS_v2016CD_j_woodworth.rvt



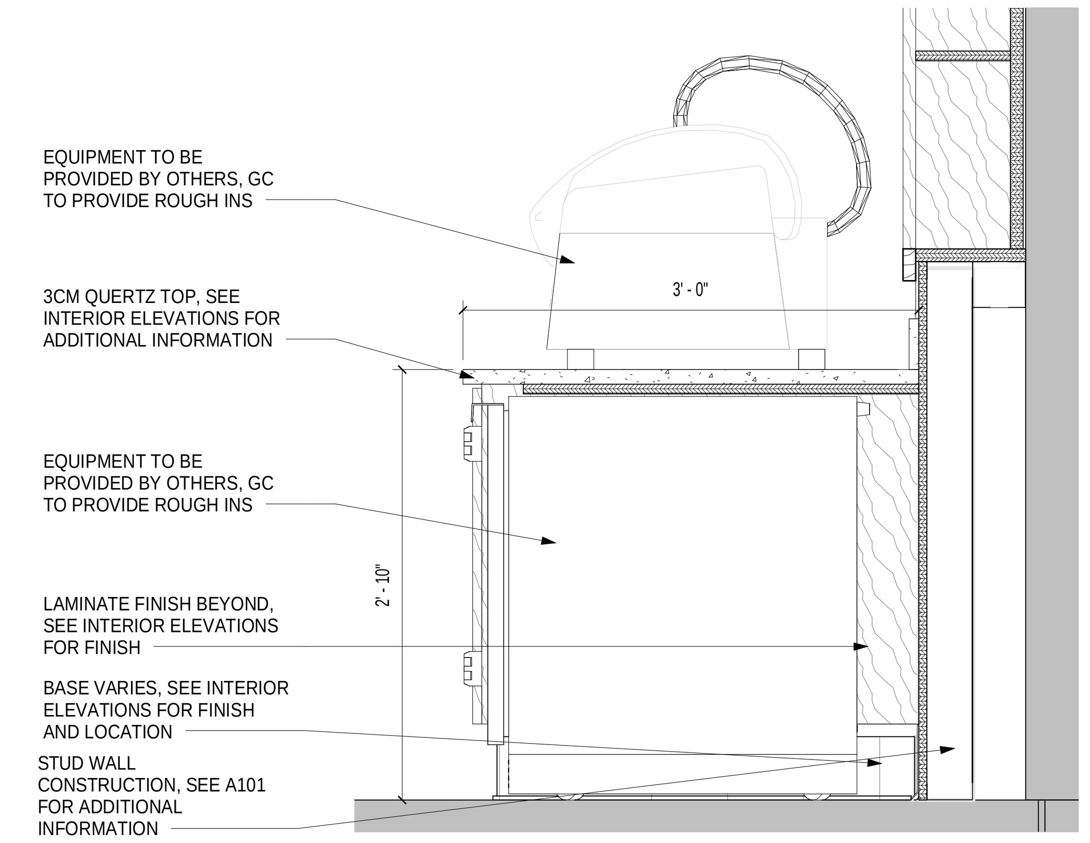
1 OPEN KITCHEN COUNTER 2
1" = 1'-0"



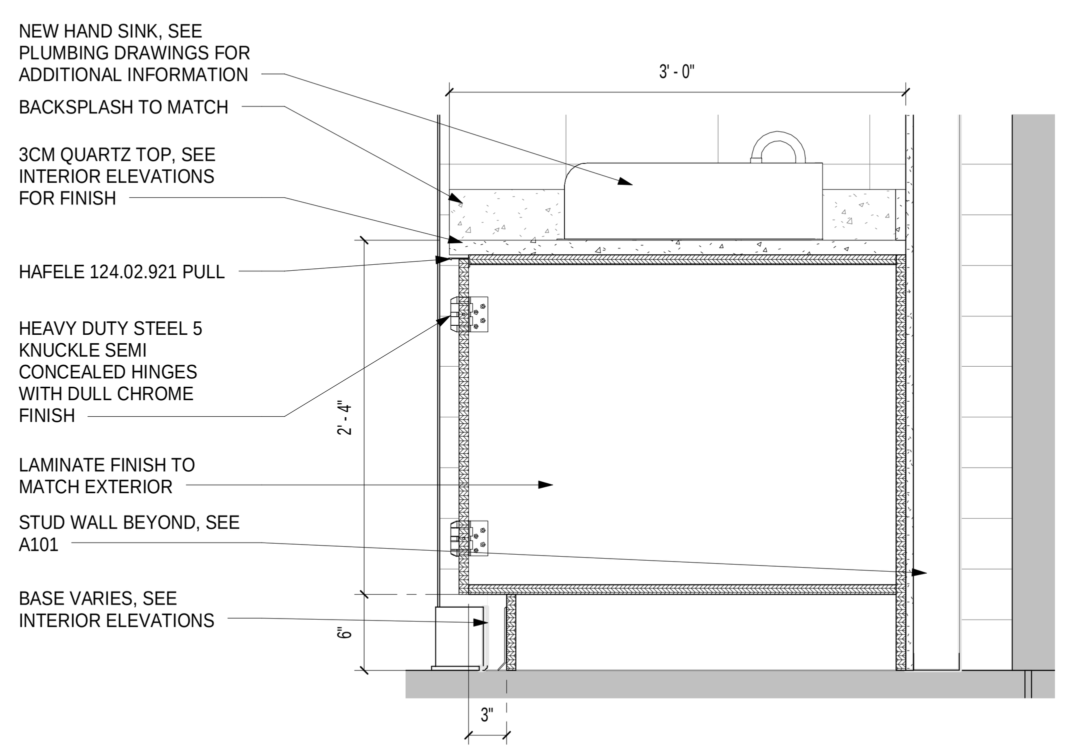
2 OPEN KITCHEN COUNTER 3
1" = 1'-0"



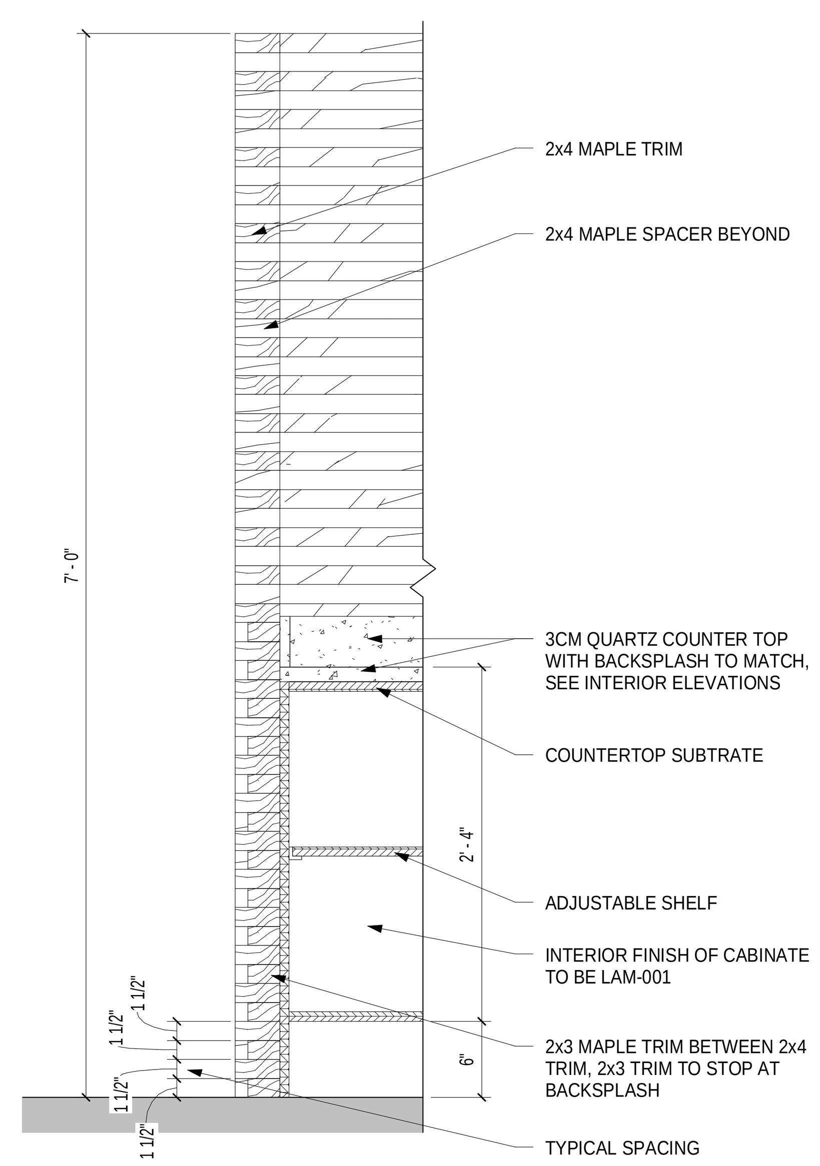
3 OPEN KITCHEN 4
1" = 1'-0"



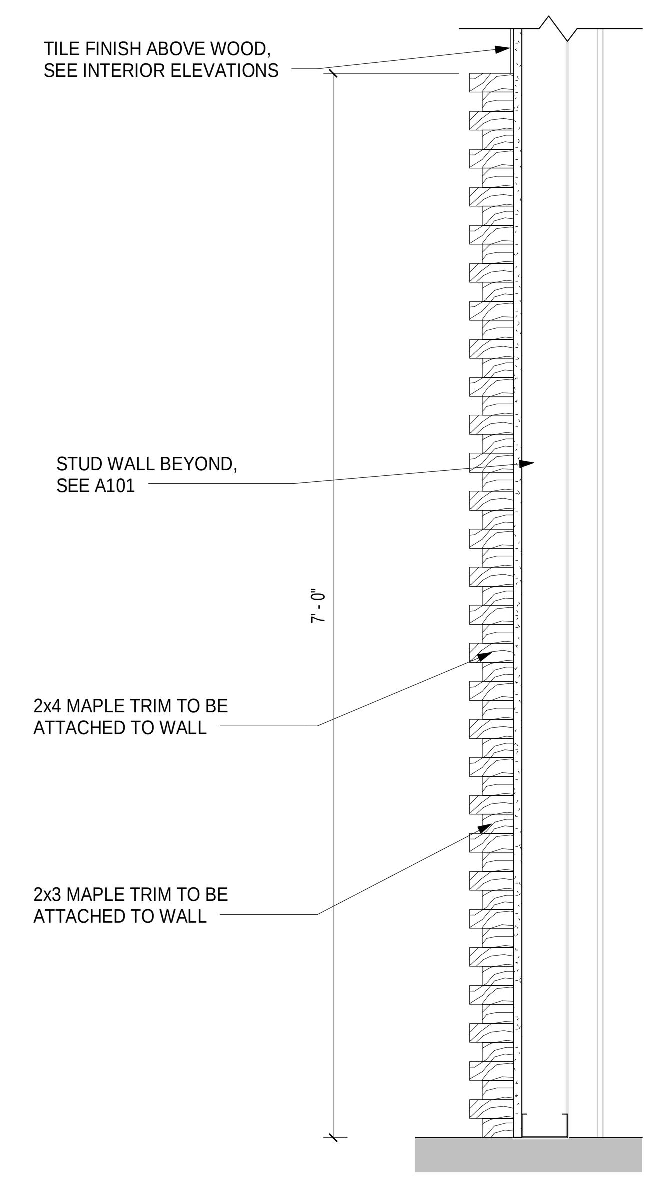
4 BREAD COUNTER 1
1" = 1'-0"



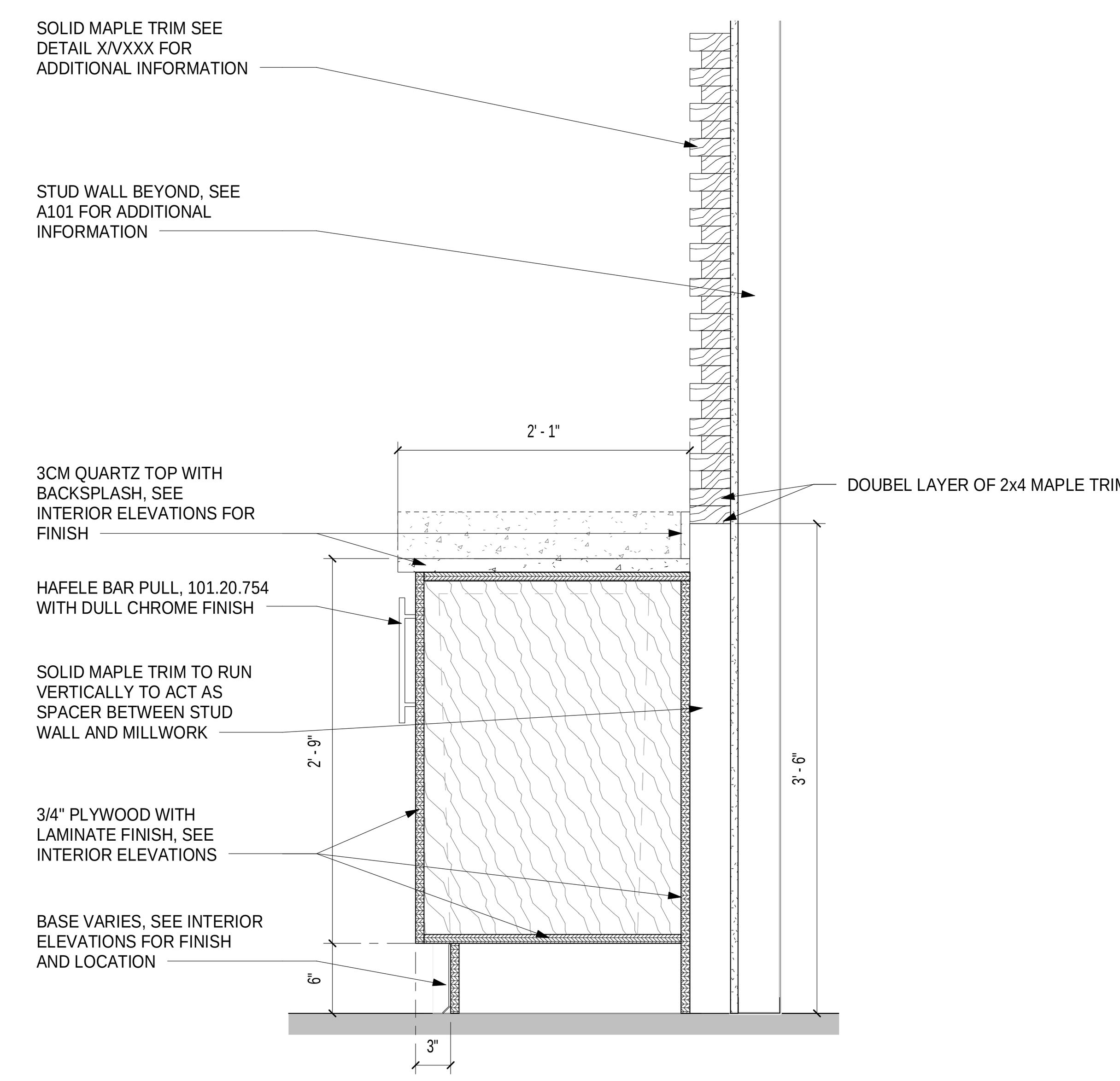
5 BREAD COUNTER 2
1" = 1'-0"



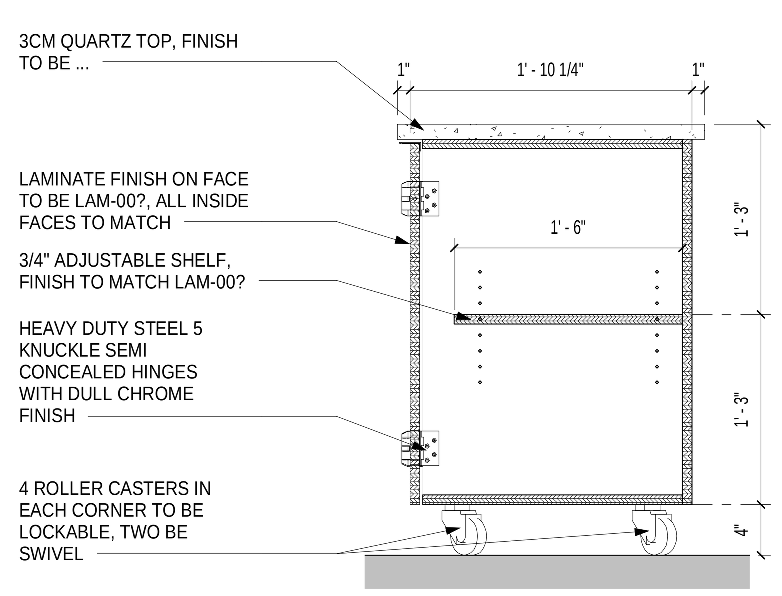
6 BEVERAGE 1
1" = 1'-0"



7 BEVERAGE 2
1" = 1'-0"



8 TRASH @ BEVERAGE
1" = 1'-0"



9 MOBIL CART
1" = 1'-0"

1

Plot Date: 3/30/2018 5:35:36 PM Dwg Filename: C:\Users\j_woodworth\Documents\CW-0205-4-NORTH CAMPUS_v2016CD_j_woodworth.rvt

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CONSULTANT:

VISIONBUILDERS

PROJECT:

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735 ANDERSON HILL RD
PURCHASE, NY 10577

REVISIONS

NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

SEAL:

ISSUED FOR: BID

ISSUED DATE: 02/16/2018

DRAWN BY: Author

CHECKED BY: Checker

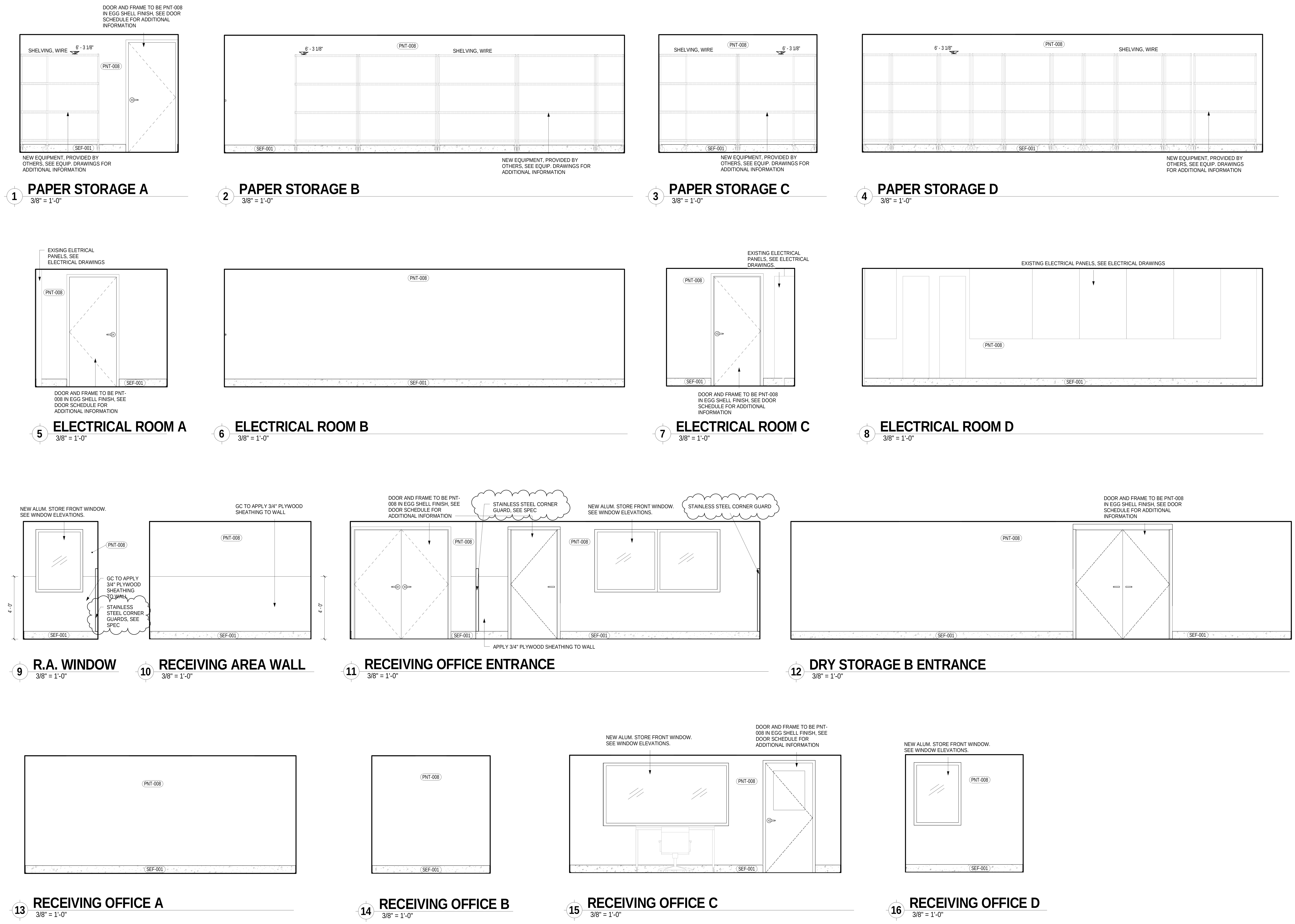
PROJECT NUMBER: CW-0205.4

DRAWING NAME:

MILLWORK SECTIONS III

DRAWING NO.

V212



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REVISIONS

NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

SEAL:

ISSUED FOR: BID

ISSUED DATE: 02/16/2018

DRAWN BY: JW

CHECKED BY: CM

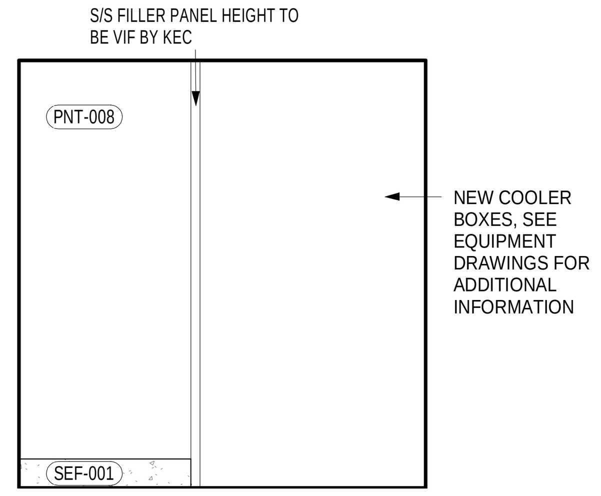
PROJECT NUMBER: CW-0205.4

DRAWING NAME:

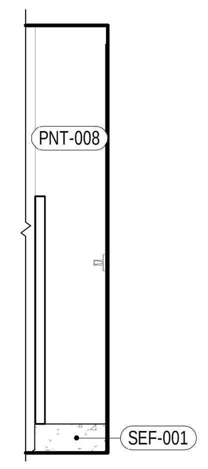
INTERIOR ELEVATIONS I

DRAWING NO.

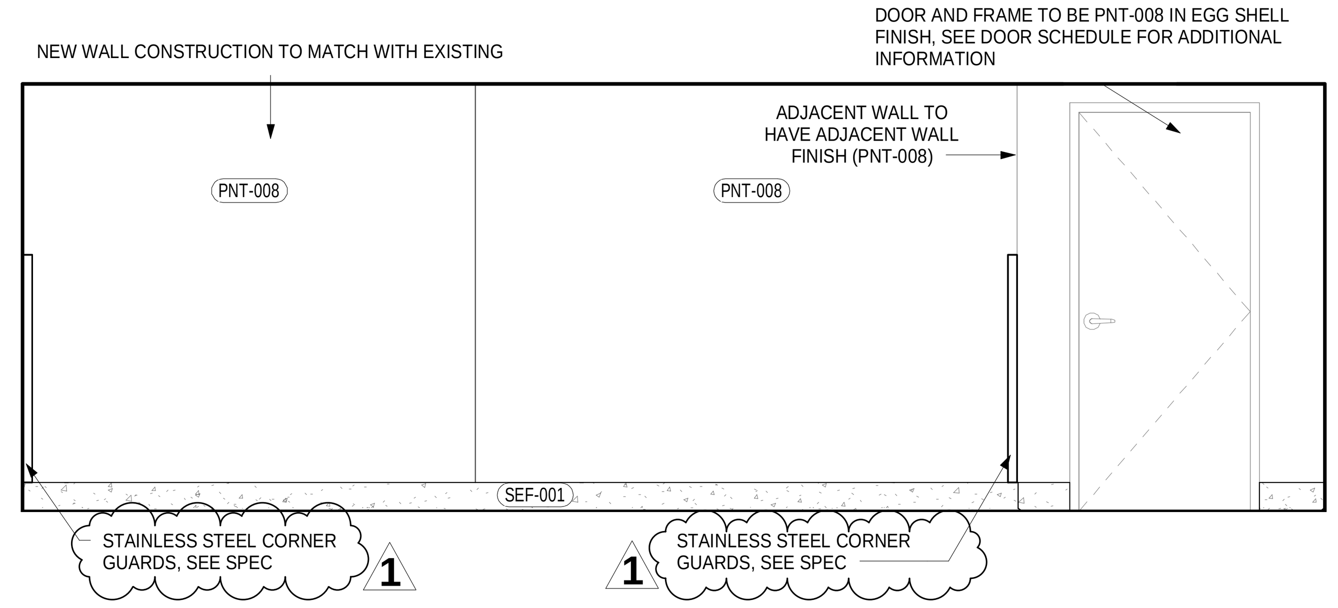
V300



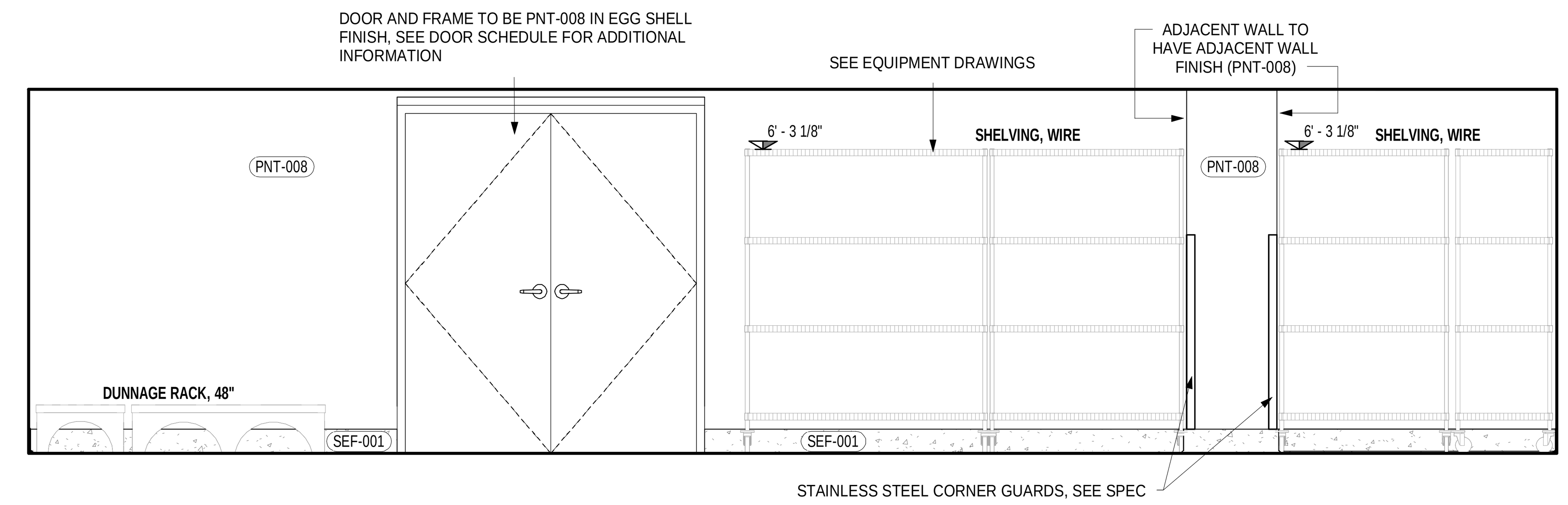
1 **CORRIDOR A**
3/8" = 1'-0"



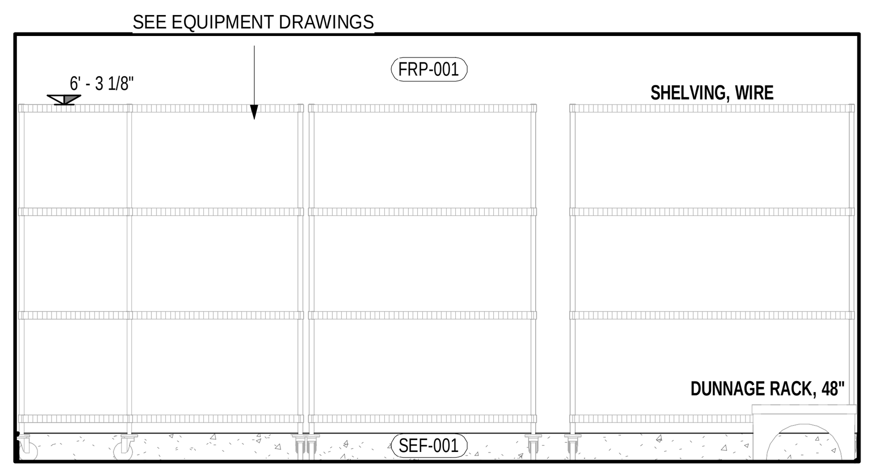
2 **CORRIDOR B**
3/8" = 1'-0"



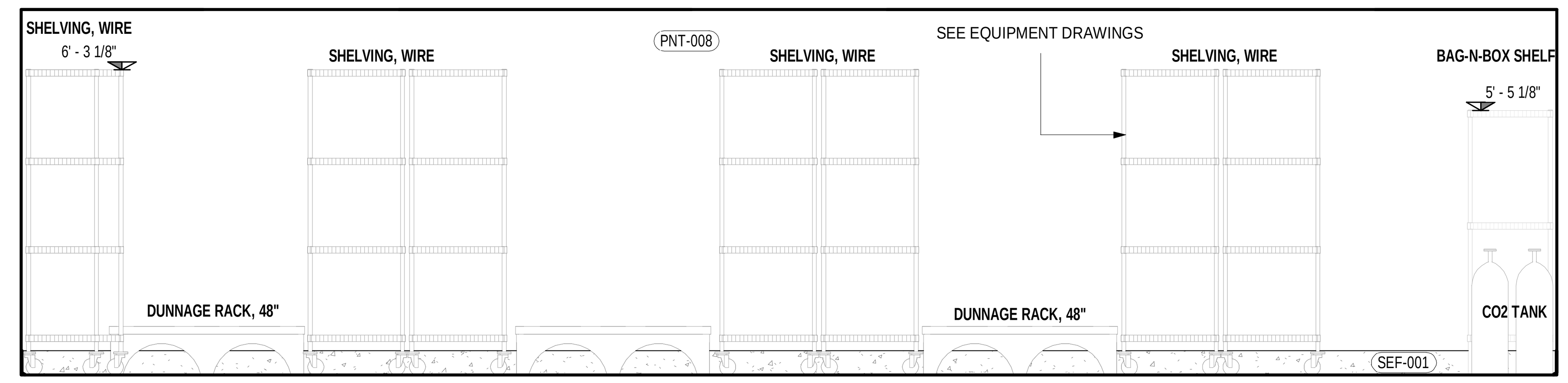
3 **CORRIDOR C**
3/8" = 1'-0"



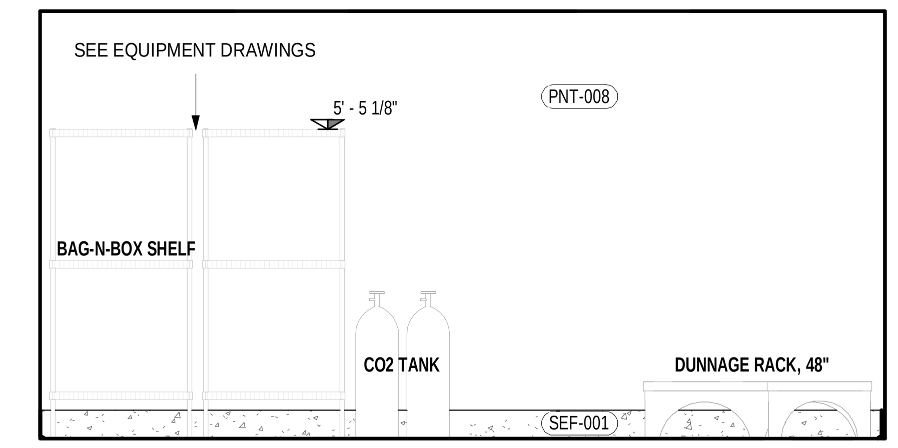
4 **DRY STORAGE B A**
3/8" = 1'-0"



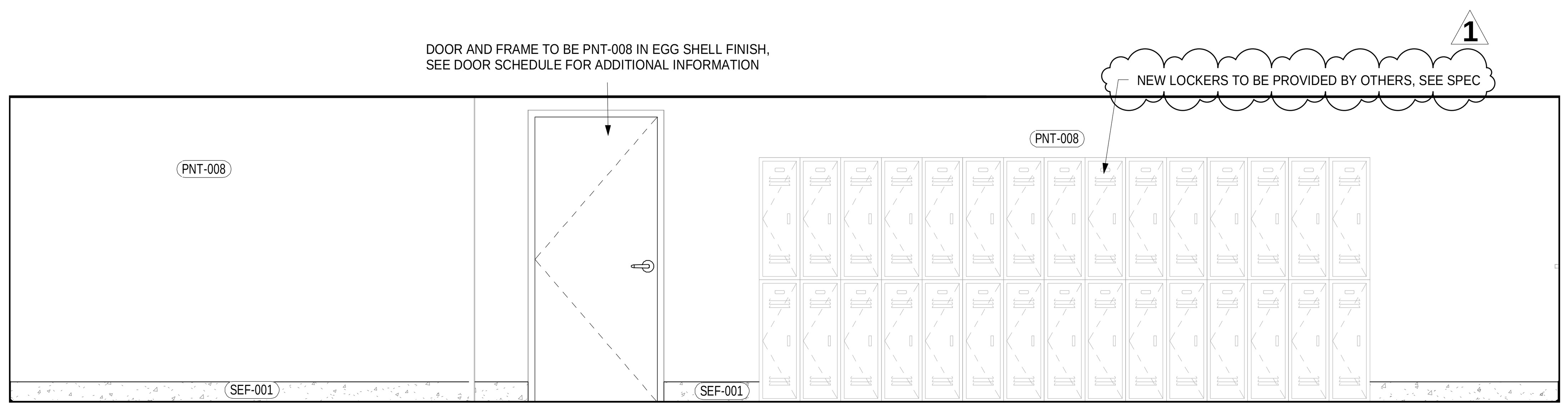
5 **DRY STORAGE B B**
3/8" = 1'-0"



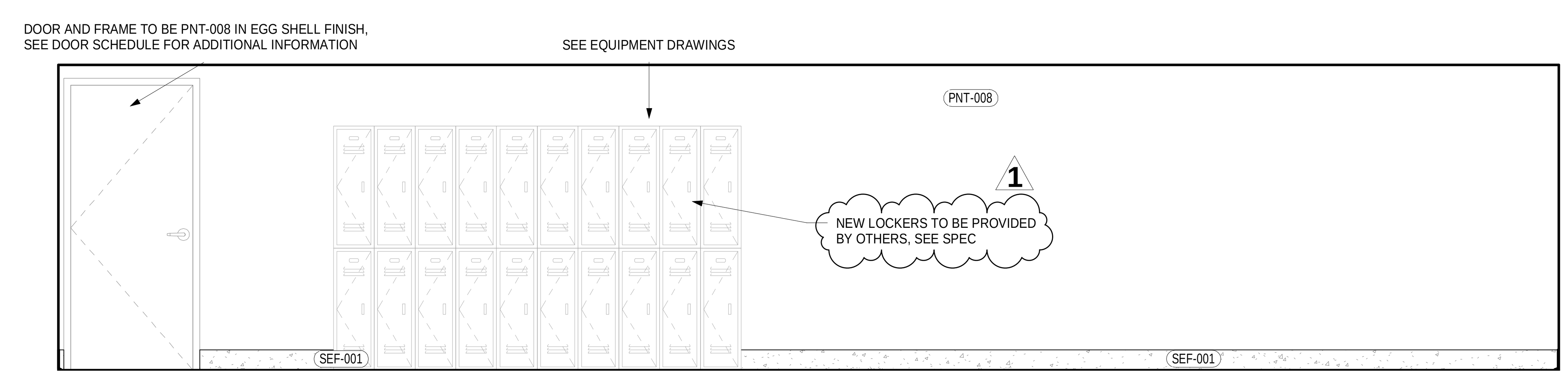
6 **DRY STORAGE B C**
3/8" = 1'-0"



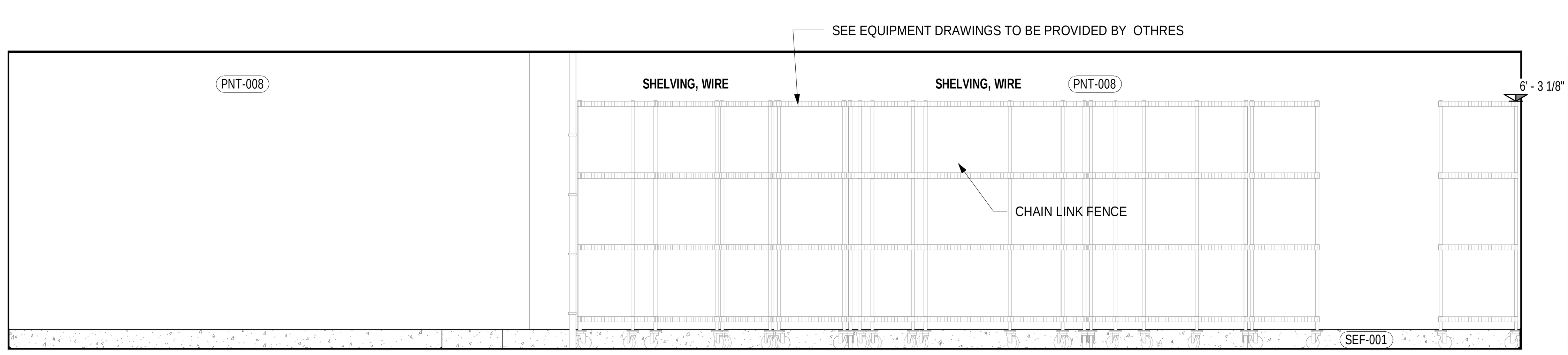
7 **DRY STORAGE B D**
3/8" = 1'-0"



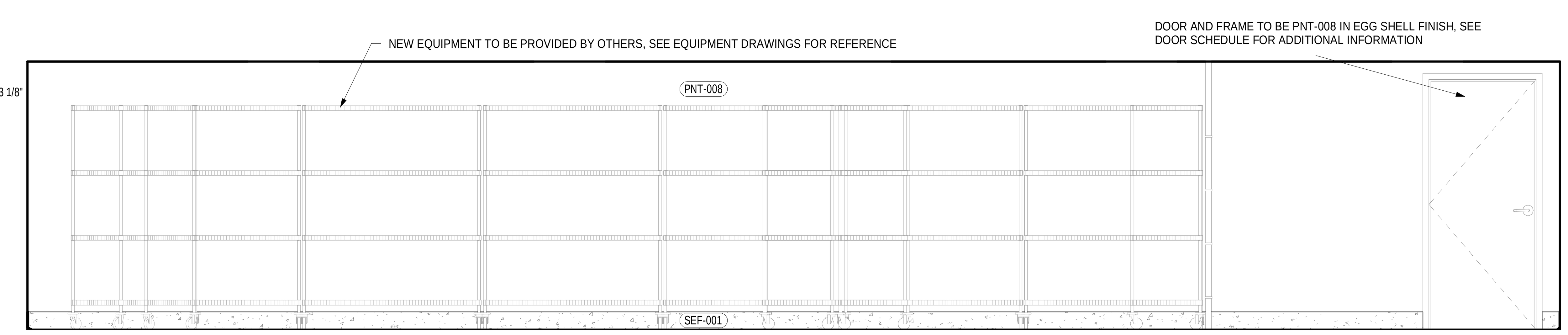
8 **BASEMENT STORAGE A**
3/8" = 1'-0"



9 **BASEMENT STORAGE B**
3/8" = 1'-0"



10 **BASEMENT STORAGE C**
3/8" = 1'-0"



11 **BASEMENT STORAGE D**
3/8" = 1'-0"

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REVISIONS

NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

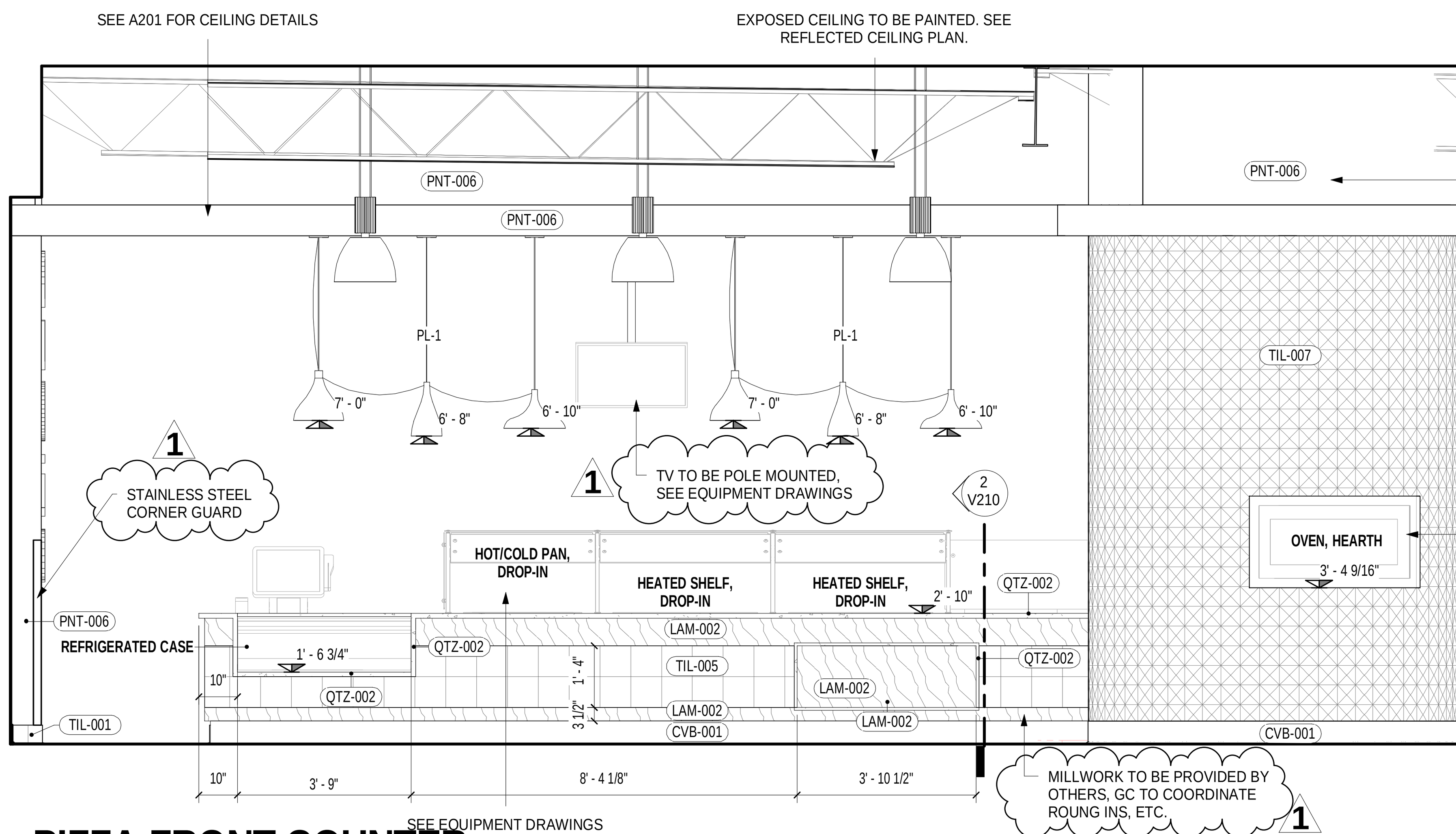
SEAL:

ISSUED FOR: BID
ISSUED DATE: 02/16/2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: CW-0205.4

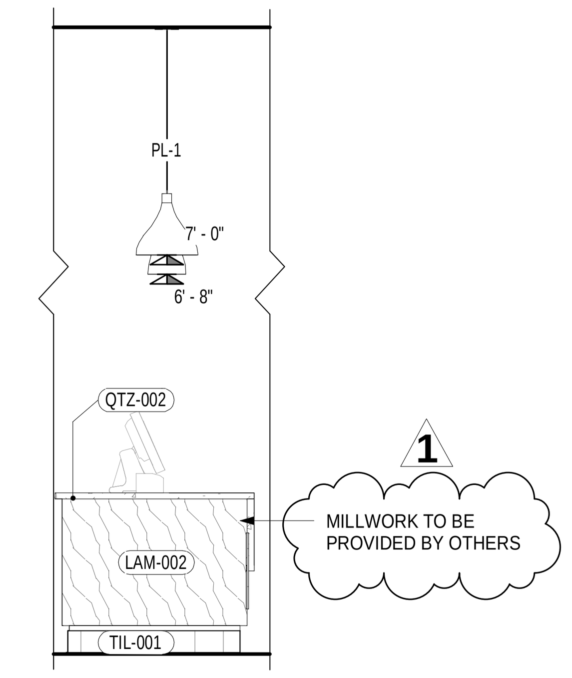
DRAWING NAME:
INTERIOR ELEVATIONS II

DRAWING NO.
V301

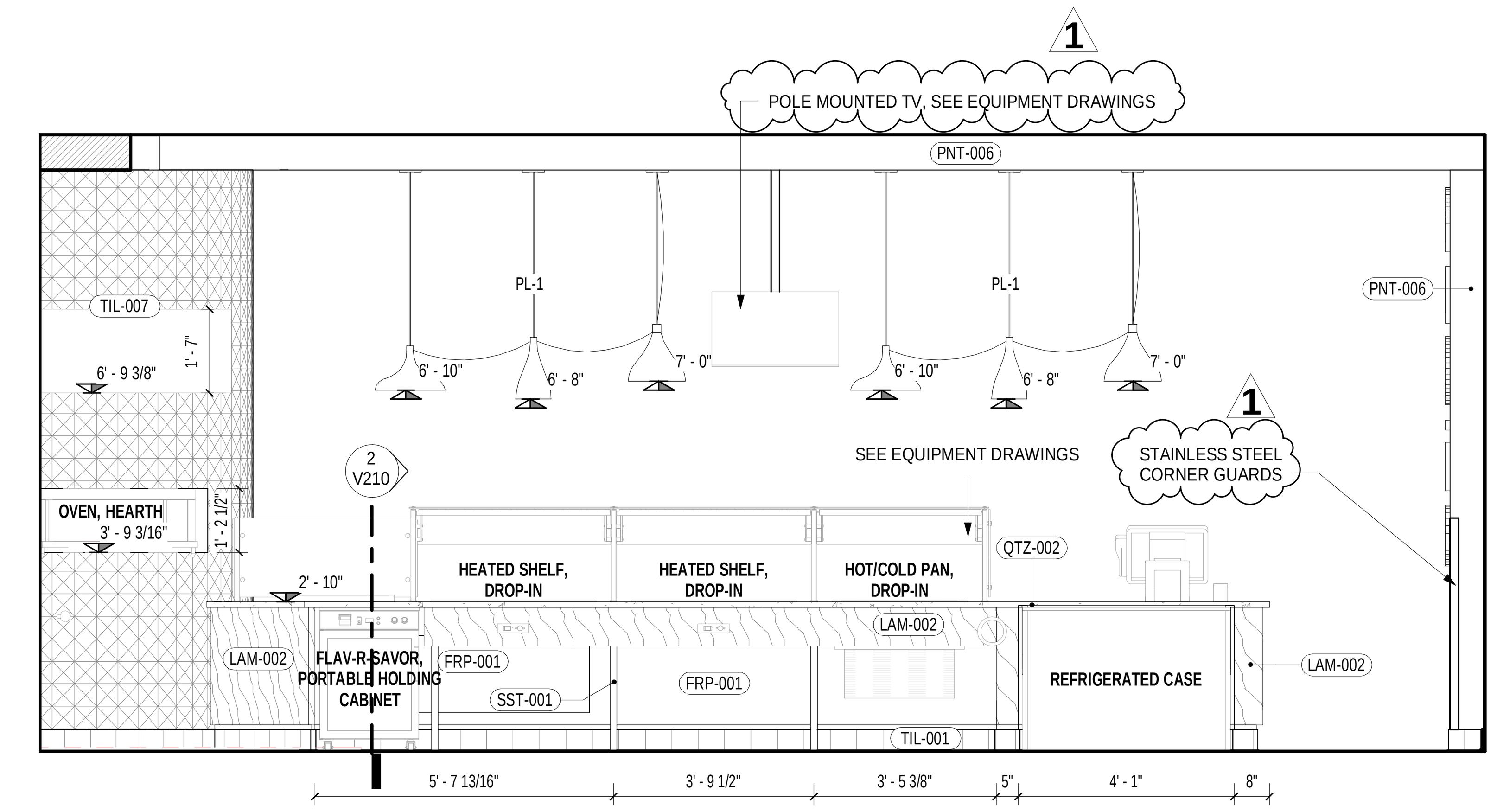
Plot Date: 3/30/2018 5:35:52 PM Dwg Filename: C:\Users\j_woodworth\Documents\CW-0205-4-NORTH CAMPUS_v2016CD_j_woodworth.rvt



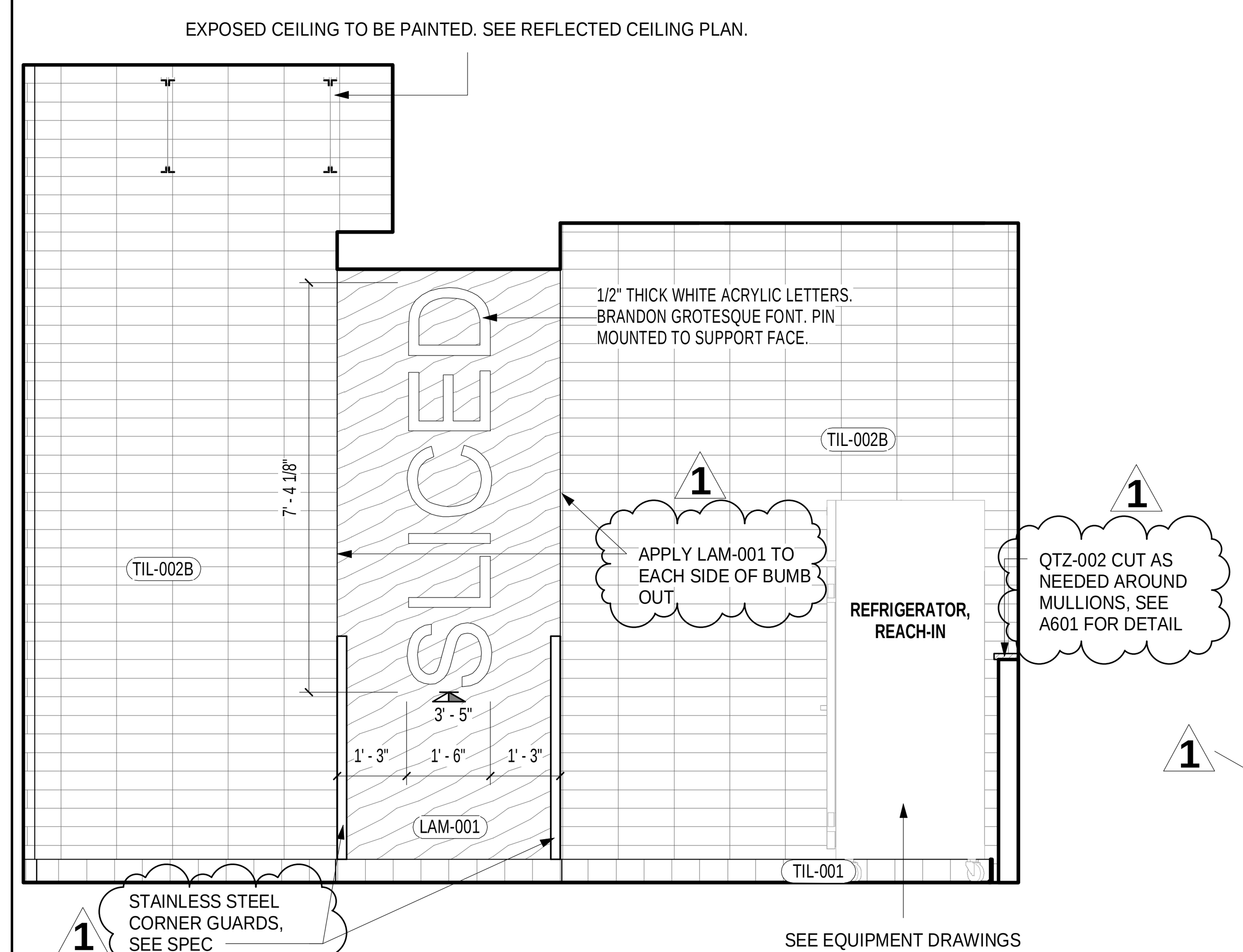
1 **PIZZA FRONT COUNTER**
3/8" = 1'-0"



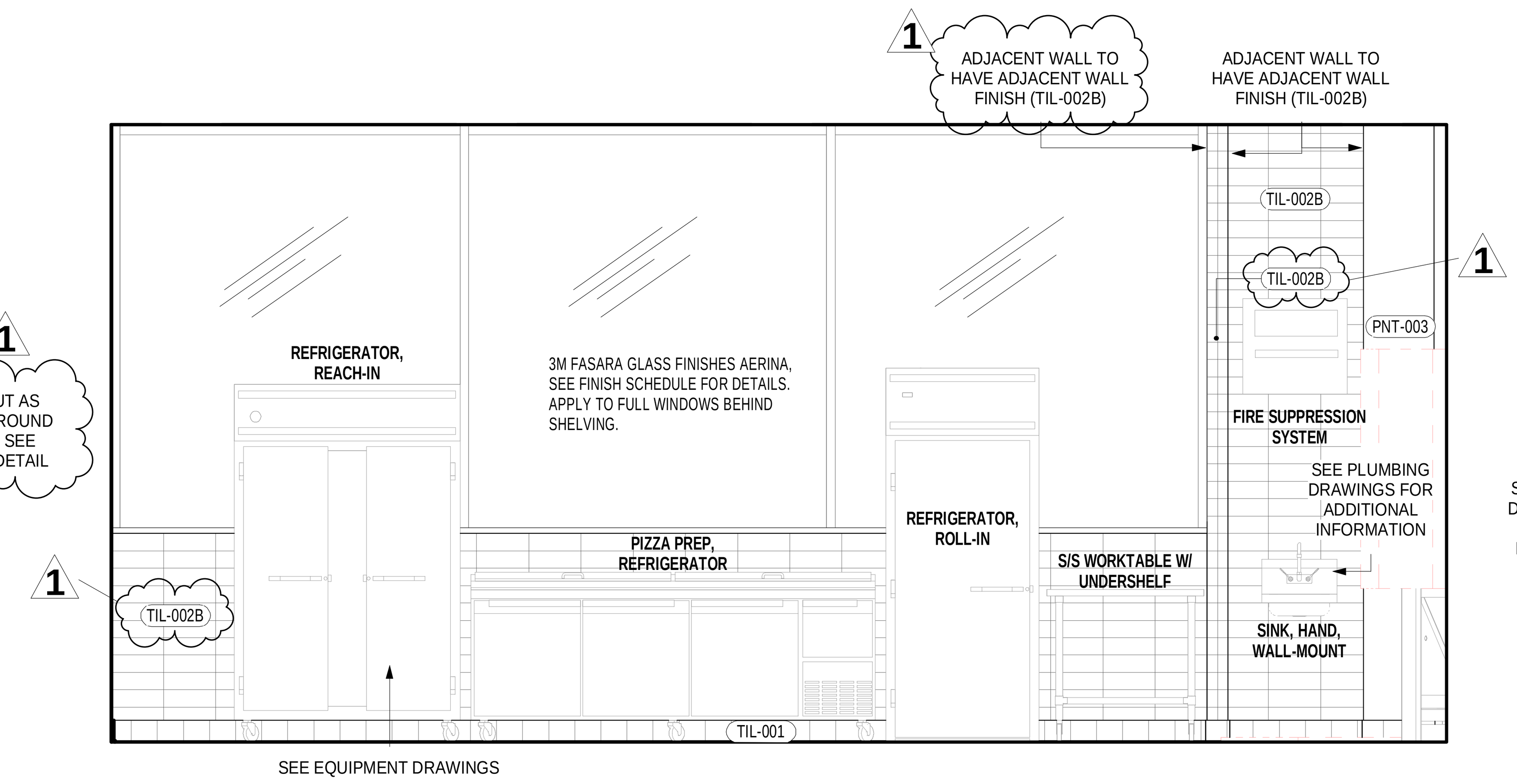
2 **PIZZA SIDE**
3/8" = 1'-0"



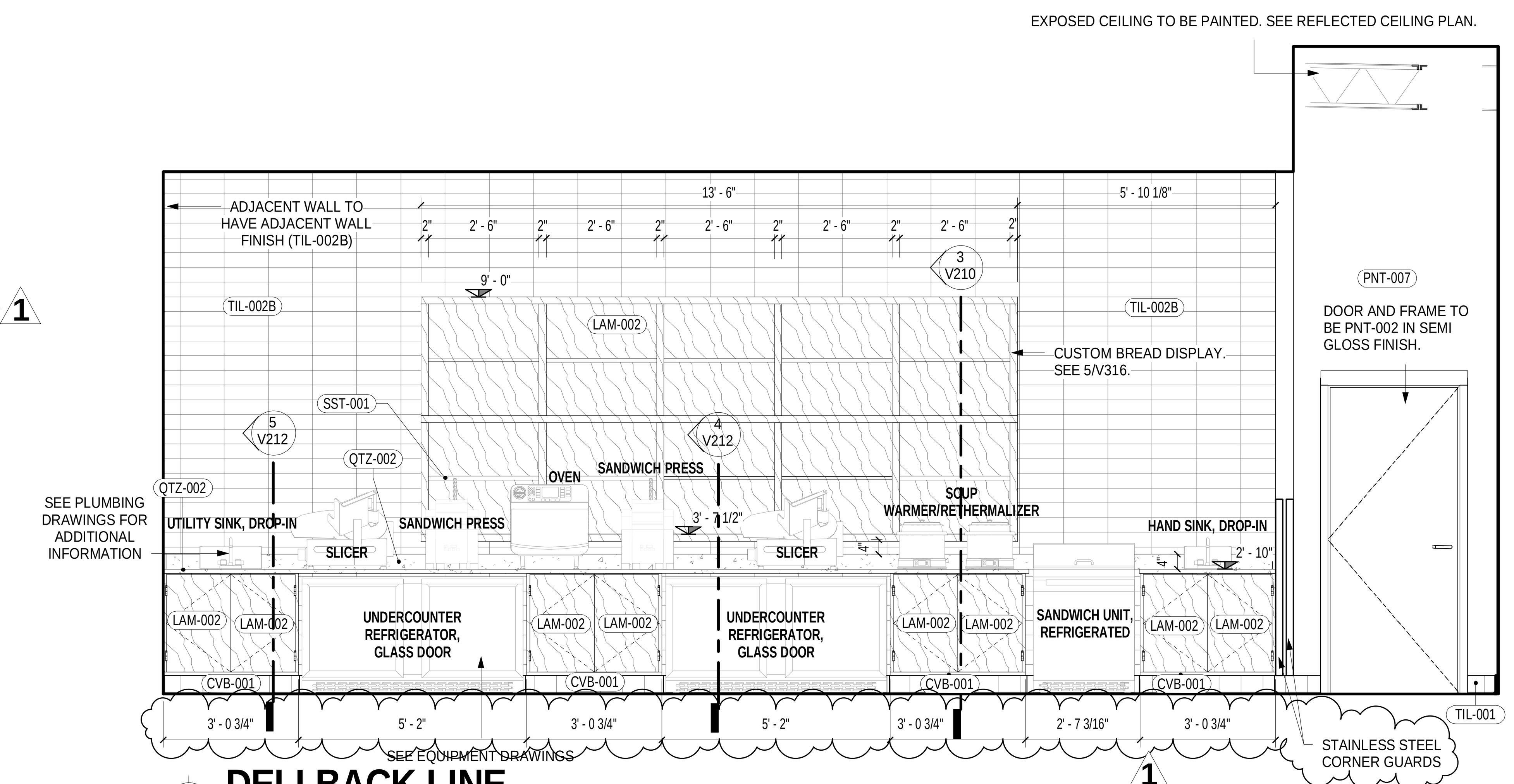
3 **PIZZA FRONT LINE**
3/8" = 1'-0"



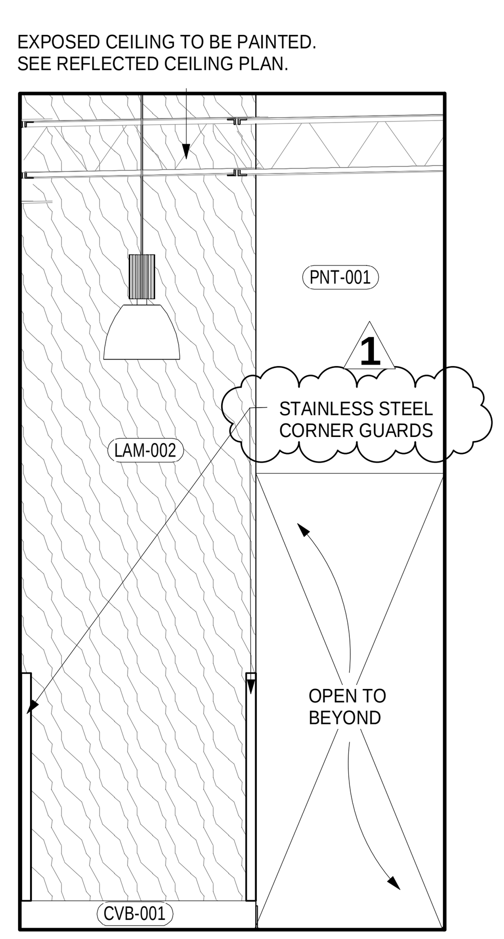
4 **PIZZA WALL**
3/8" = 1'-0"



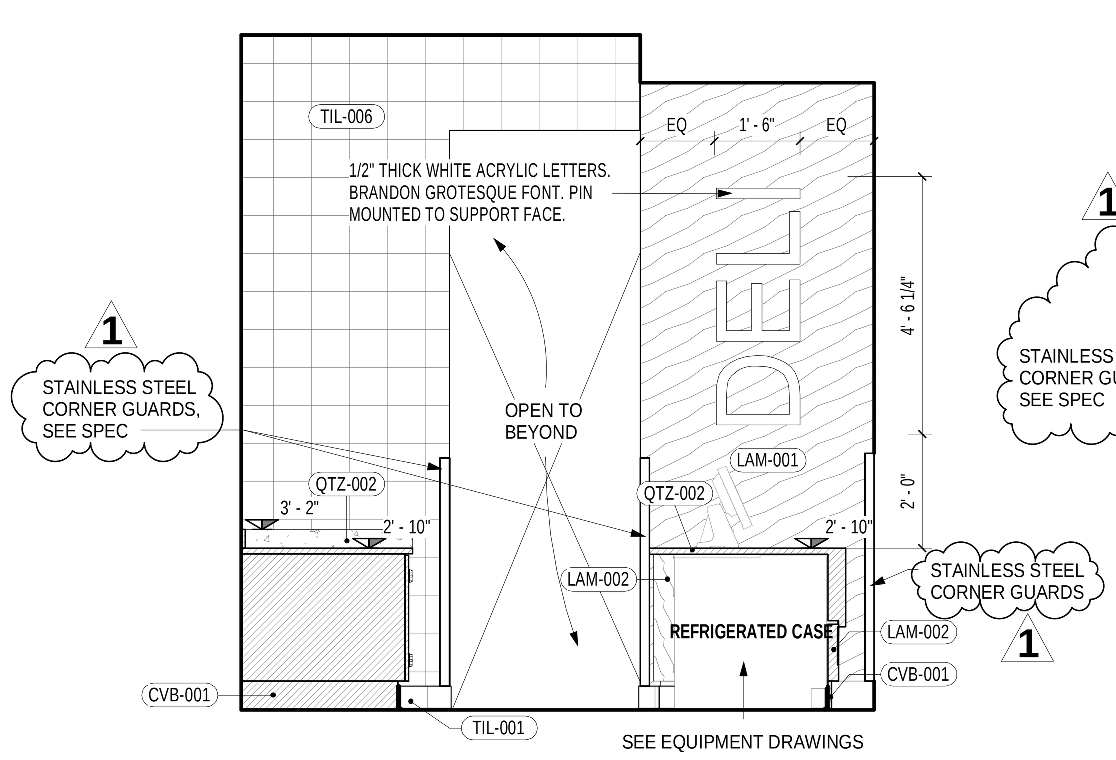
5 **PIZZA BACK LINE**
3/8" = 1'-0"



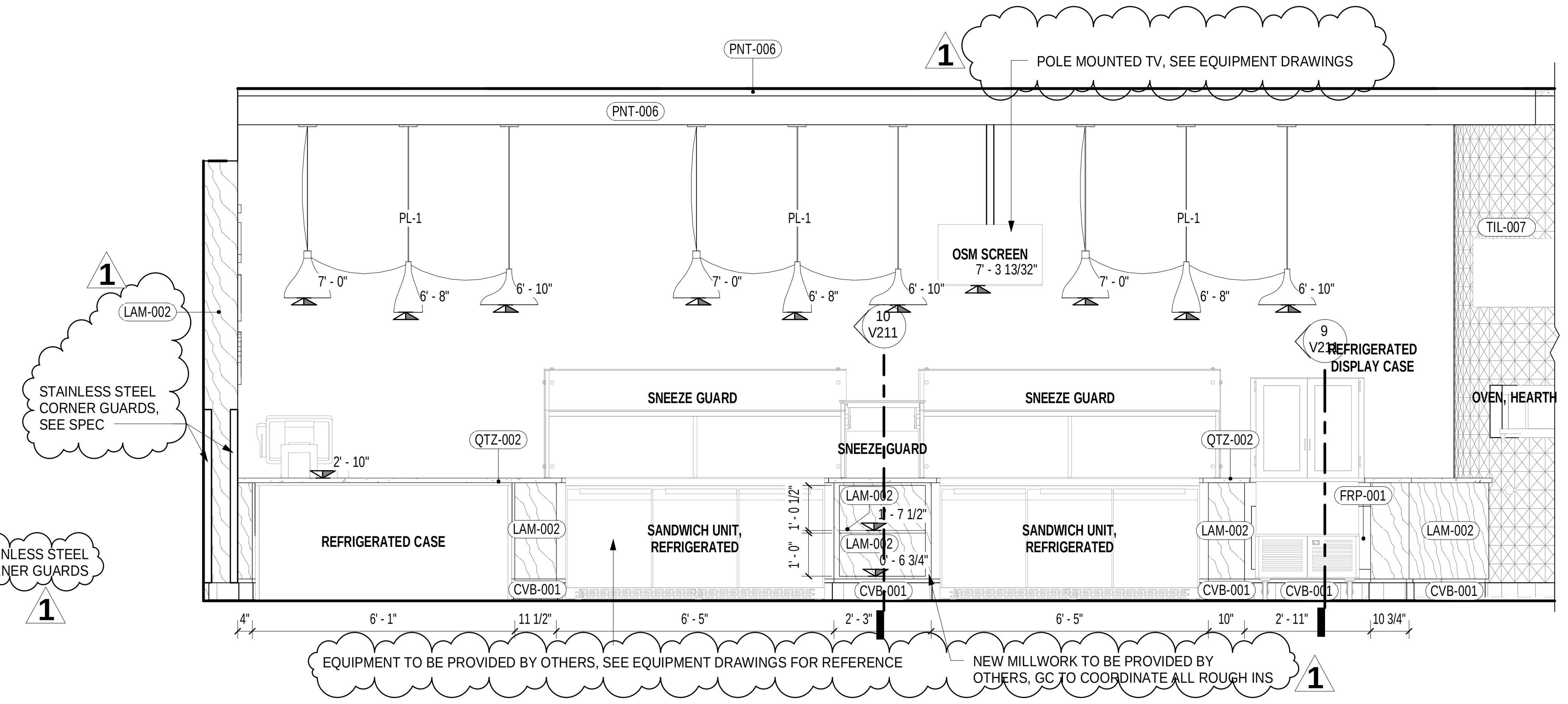
6 **DELI BACK LINE**
3/8" = 1'-0"



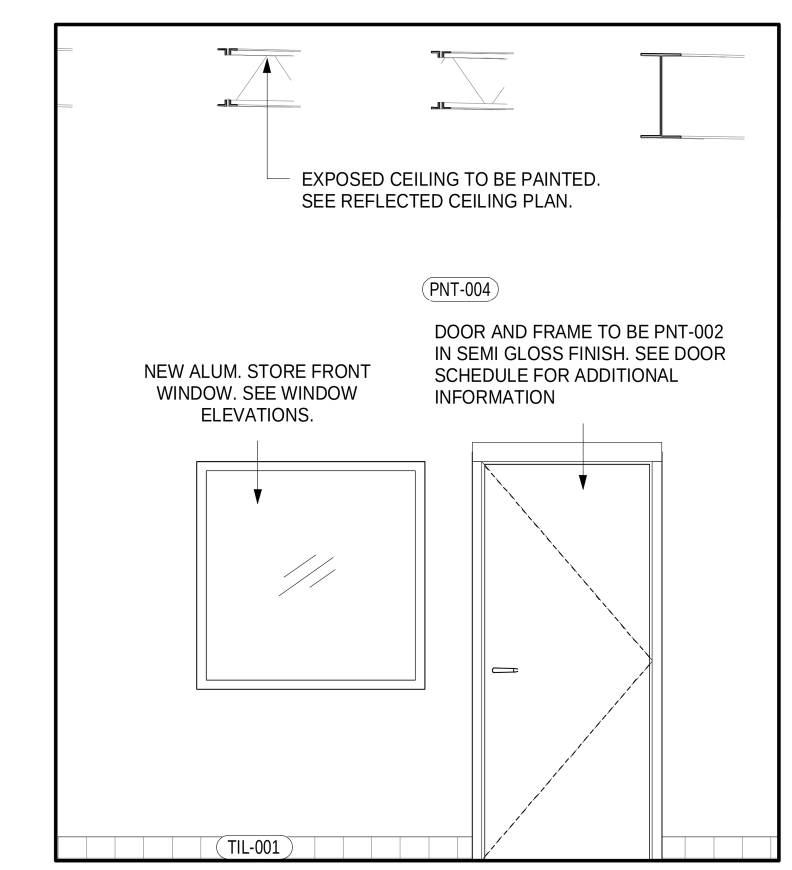
7 **DELI SIDE**
3/8" = 1'-0"



8 **DELI INTERNAL WALL**
3/8" = 1'-0"



9 **DELI FRONT LINE**
3/8" = 1'-0"



10 **CHEF OFFICE DOOR**
3/8" = 1'-0"

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REVISIONS

NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

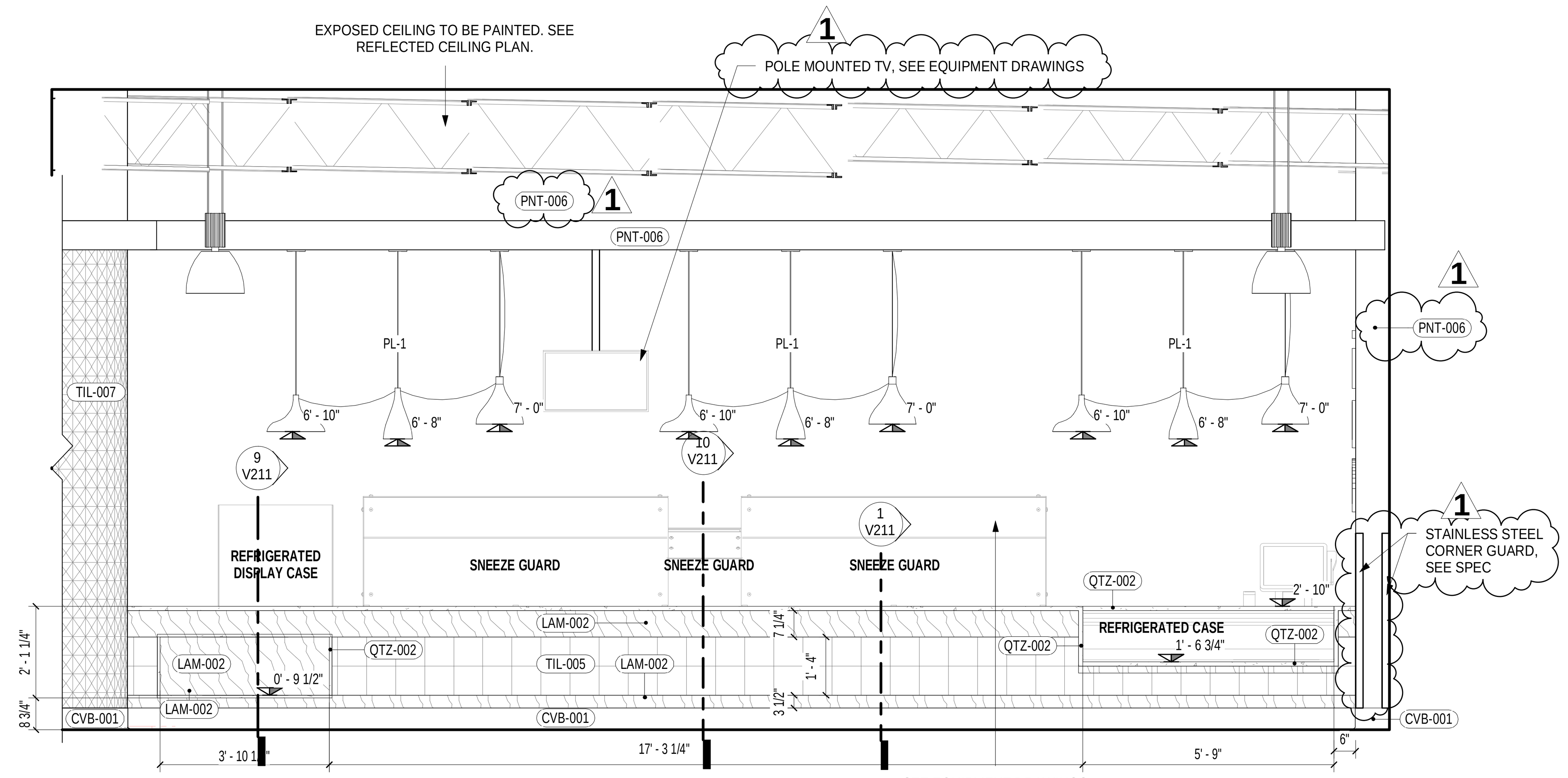
SEAL:

ISSUED FOR: BID
ISSUED DATE: 02/16/2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: CW-0205.4

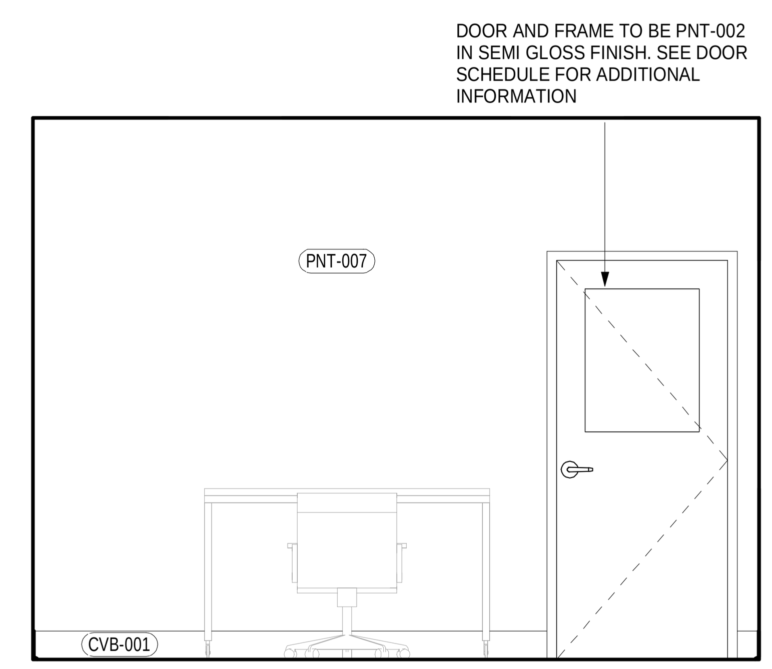
DRAWING NAME:
INTERIOR ELEVATIONS III

DRAWING NO.
V310

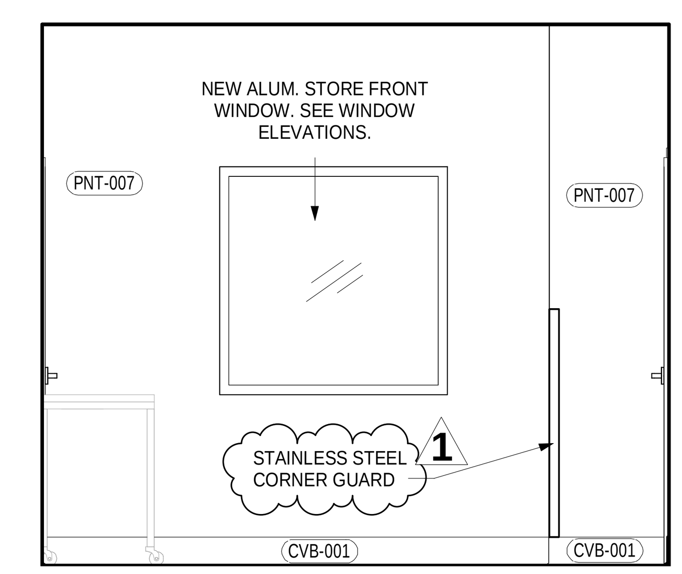
Plot Date: 3/30/2018 5:36:03 PM
Dwg Filename: C:\Users\j_woodworth\Documents\CW-0205-4-NORTH CAMPUS_v2016CD_j_woodworth.rvt



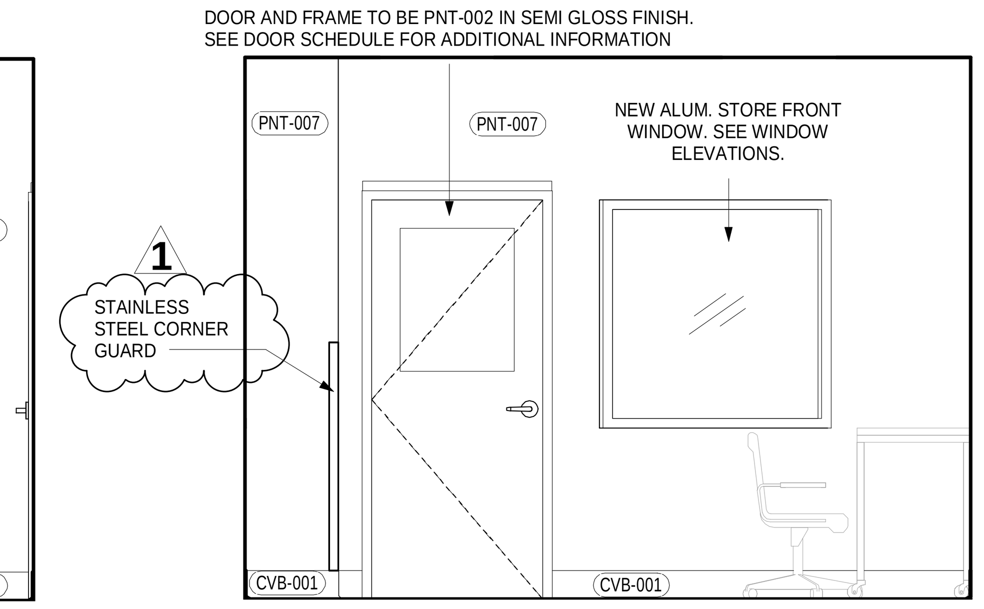
1 DELI FRONT COUNTER
3/8" = 1'-0"



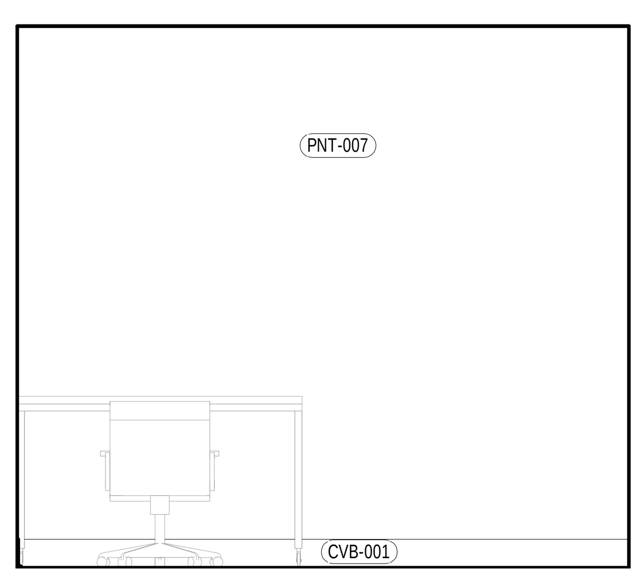
2 CHEF OFFICE A
3/8" = 1'-0"



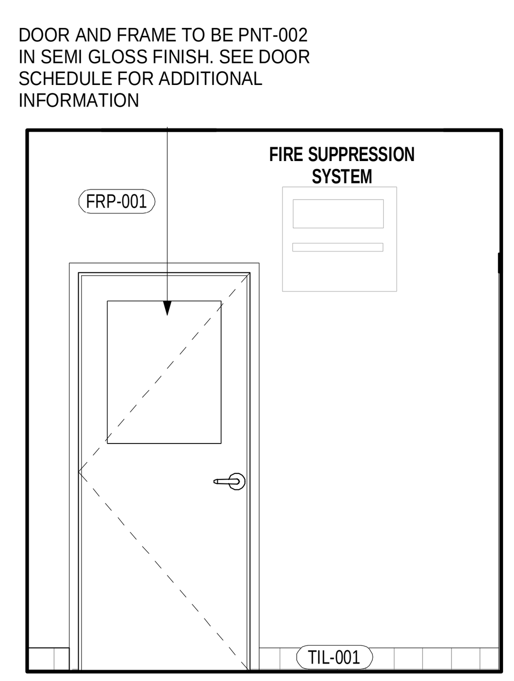
3 CHEF OFFICE B
3/8" = 1'-0"



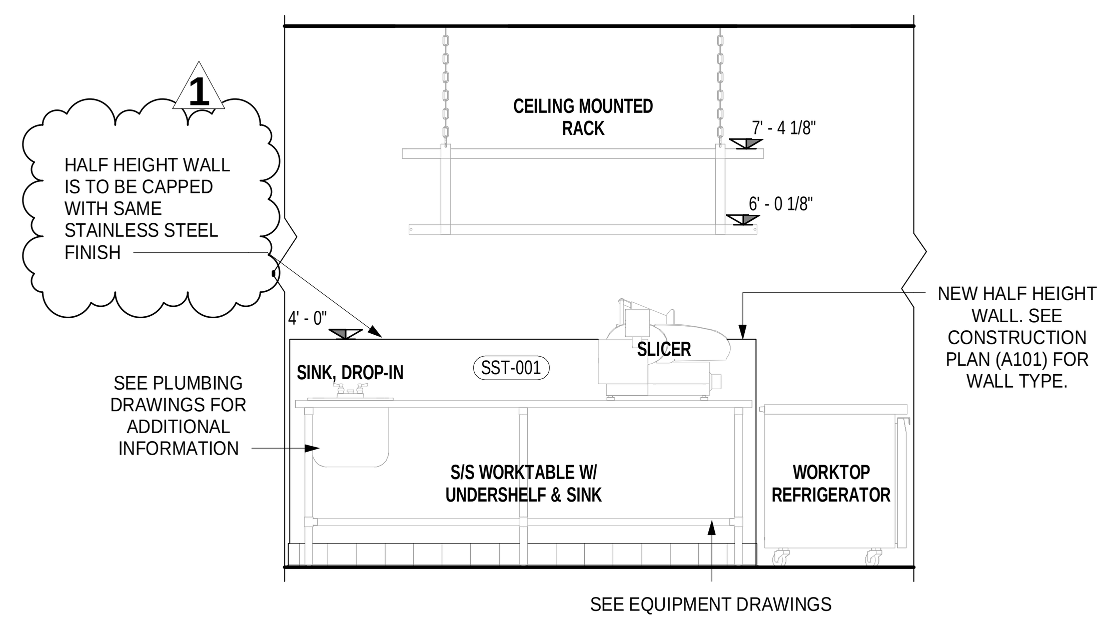
4 CHEF OFFICE C
3/8" = 1'-0"



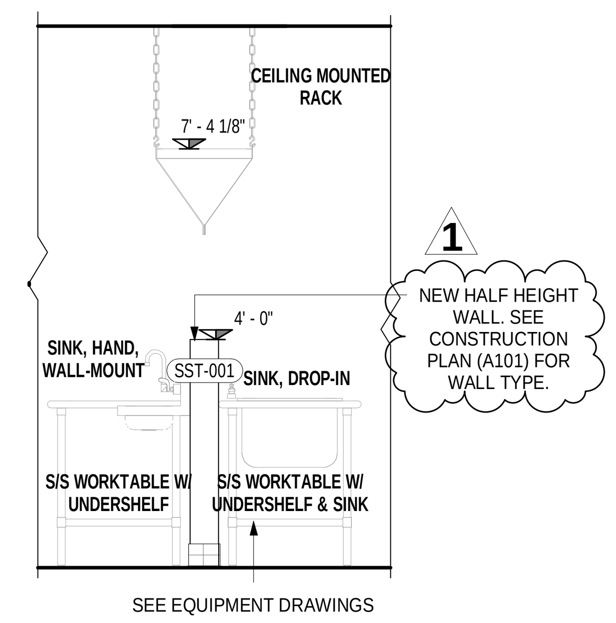
5 CHEF OFFICE D
3/8" = 1'-0"



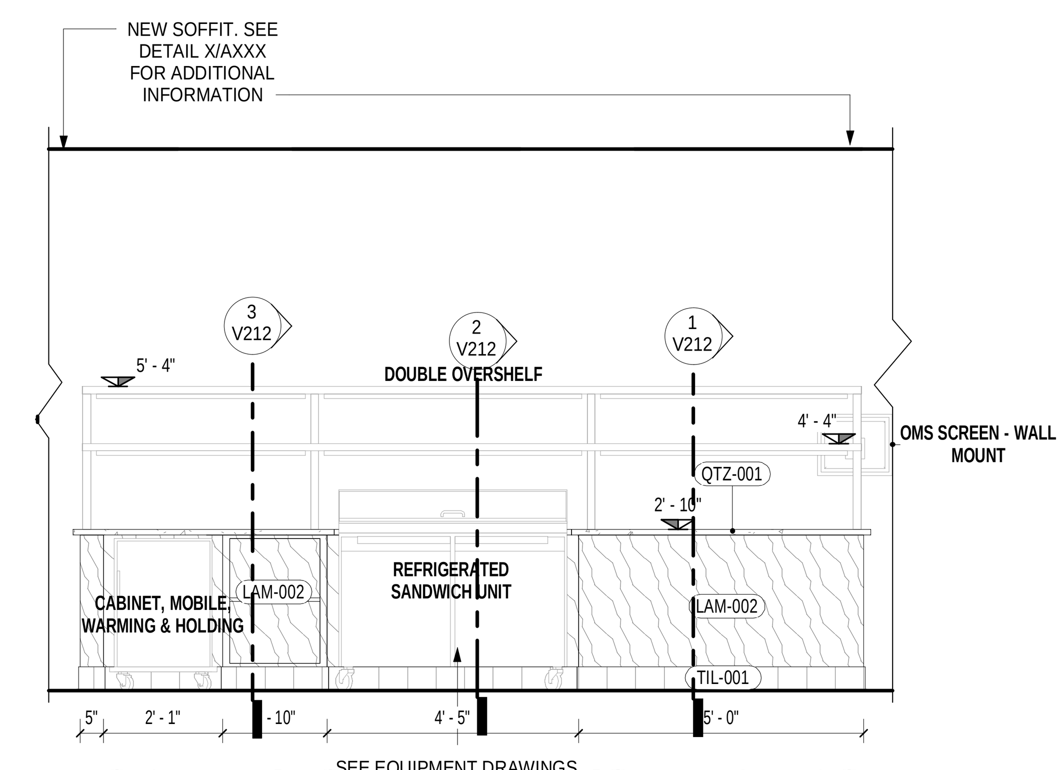
6 CHEF OFFICE BACK
3/8" = 1'-0"



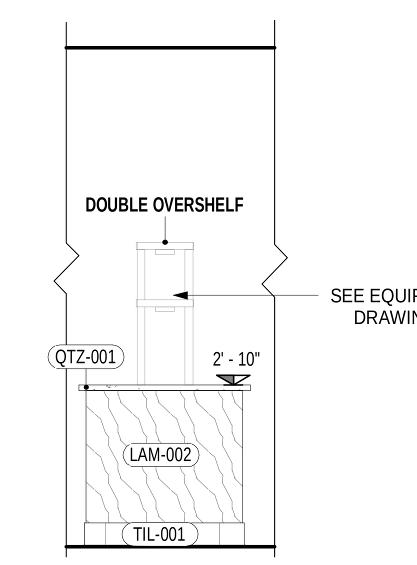
7 CATERING PREP FRONT
3/8" = 1'-0"



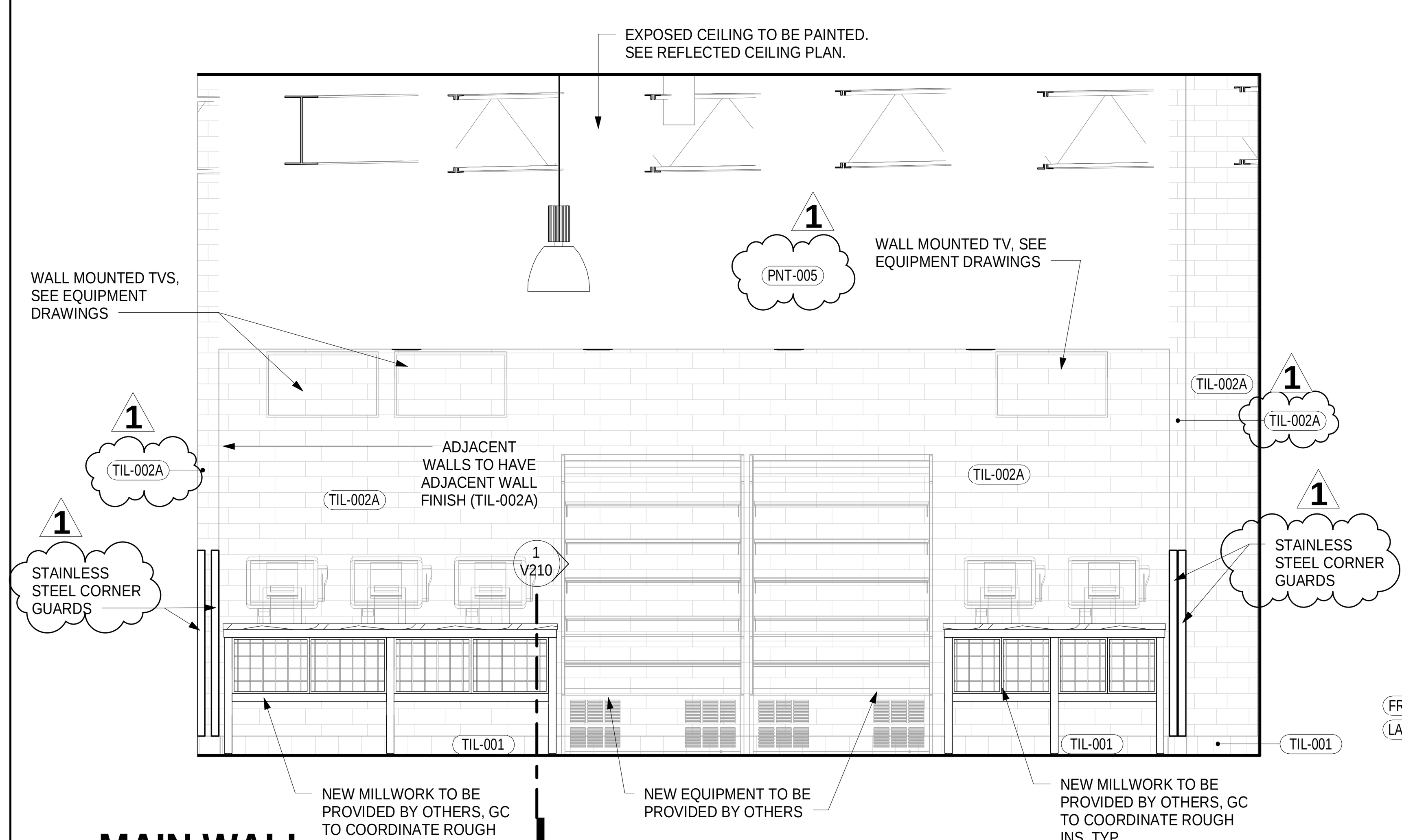
8 CATERING PREP
3/8" = 1'-0"



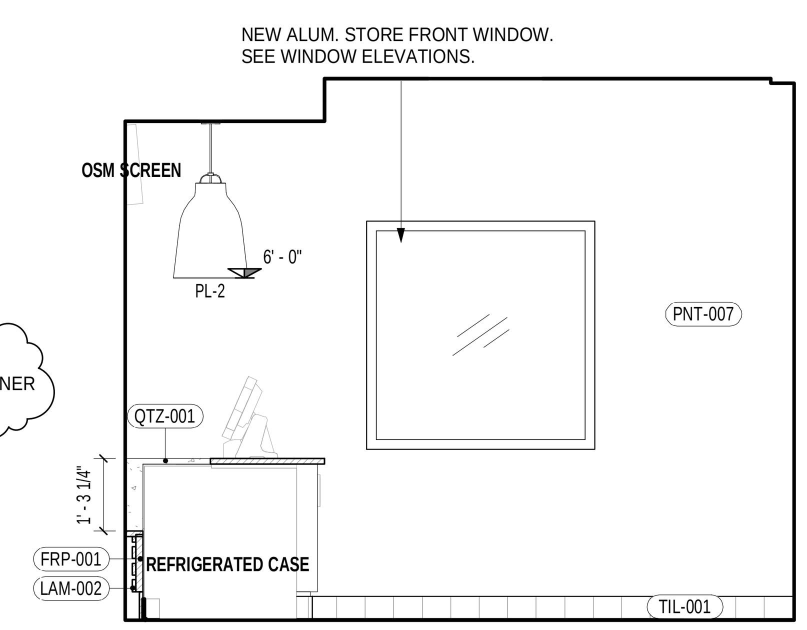
9 OPEN KITCHEN PREP ISLAND FRONT
3/8" = 1'-0"



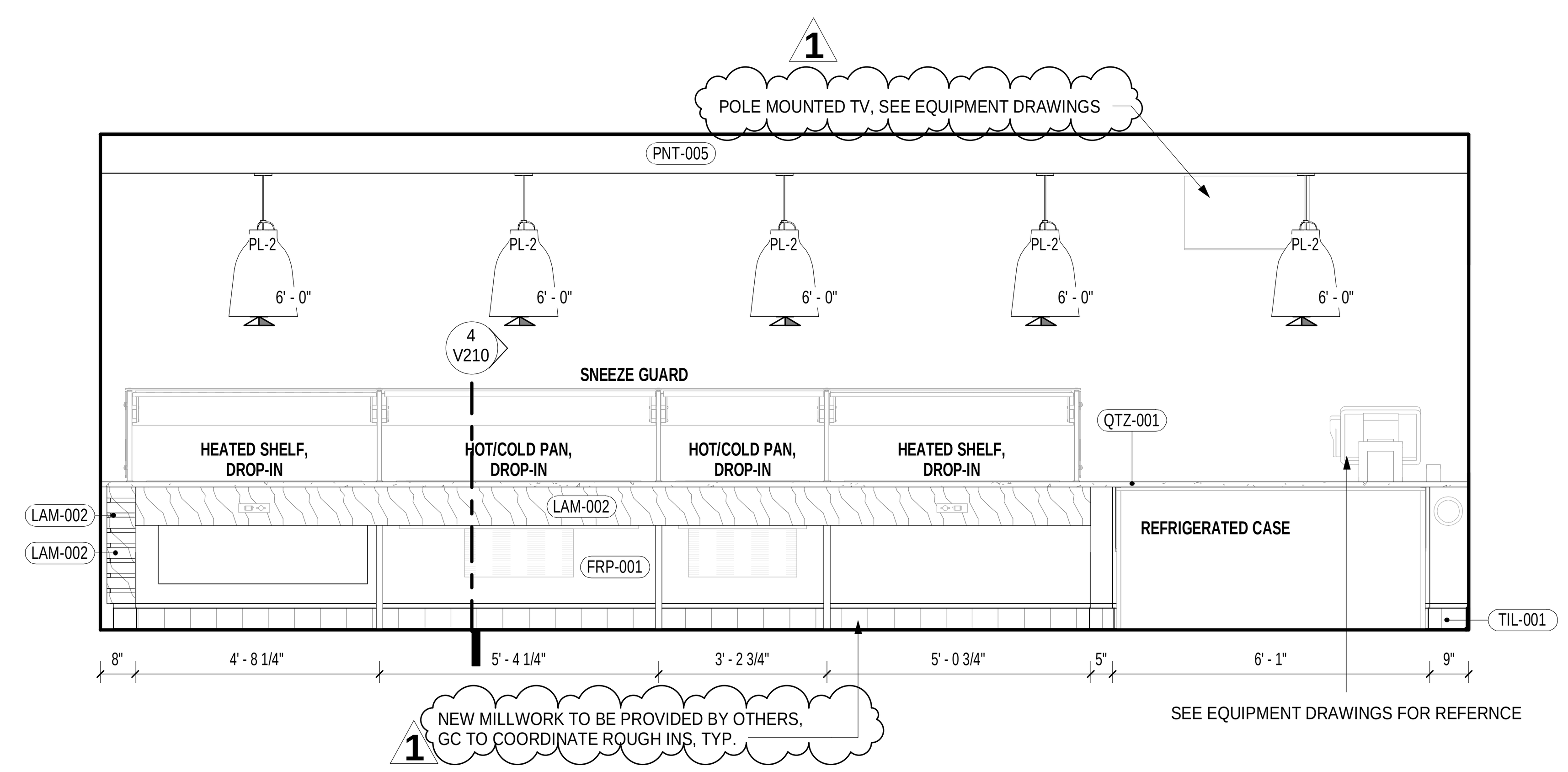
10 PREP A
3/8" = 1'-0"



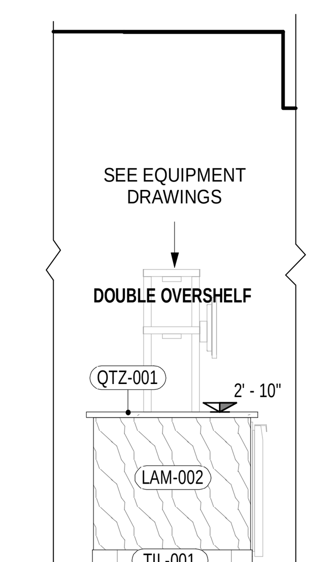
11 MAIN WALL
3/8" = 1'-0"



12 OPEN KITCHEN WALL
3/8" = 1'-0"



13 OPEN KITCHEN FRONT LINE
3/8" = 1'-0"



14 PREP B
3/8" = 1'-0"

Plot Date: 3/30/2018 5:36:12 PM Dwg Filename: C:\Users\j_woodworth\Documents\CW-0205-4-NORTH CAMPUS_v2016CD_j_woodworth.rvt

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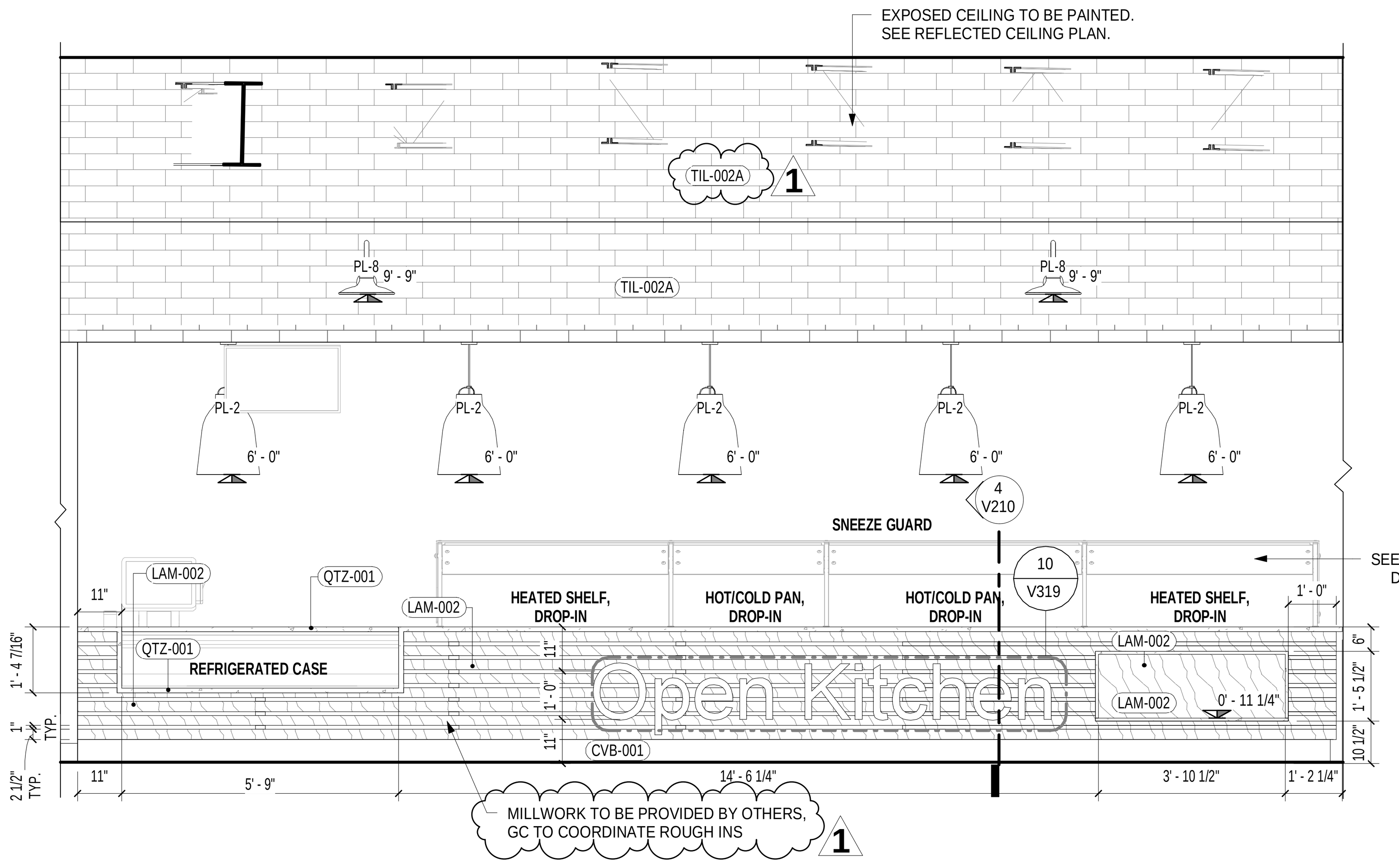
REVISIONS		
NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

SEAL:

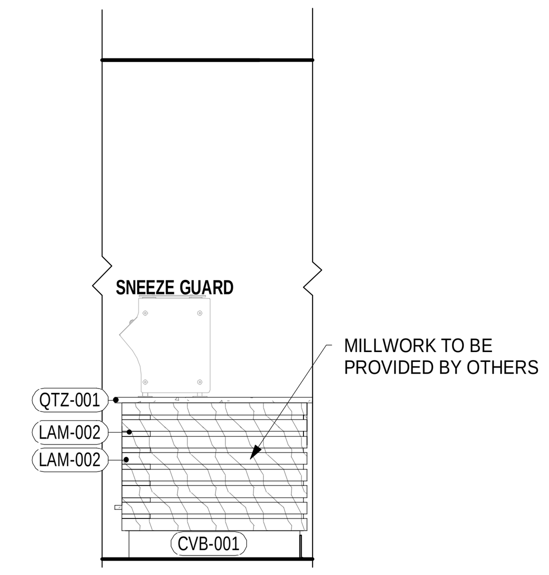
ISSUED FOR: BID
ISSUED DATE: 02/16/2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: CW-0205.4

DRAWING NAME:
INTERIOR ELEVATIONS IV

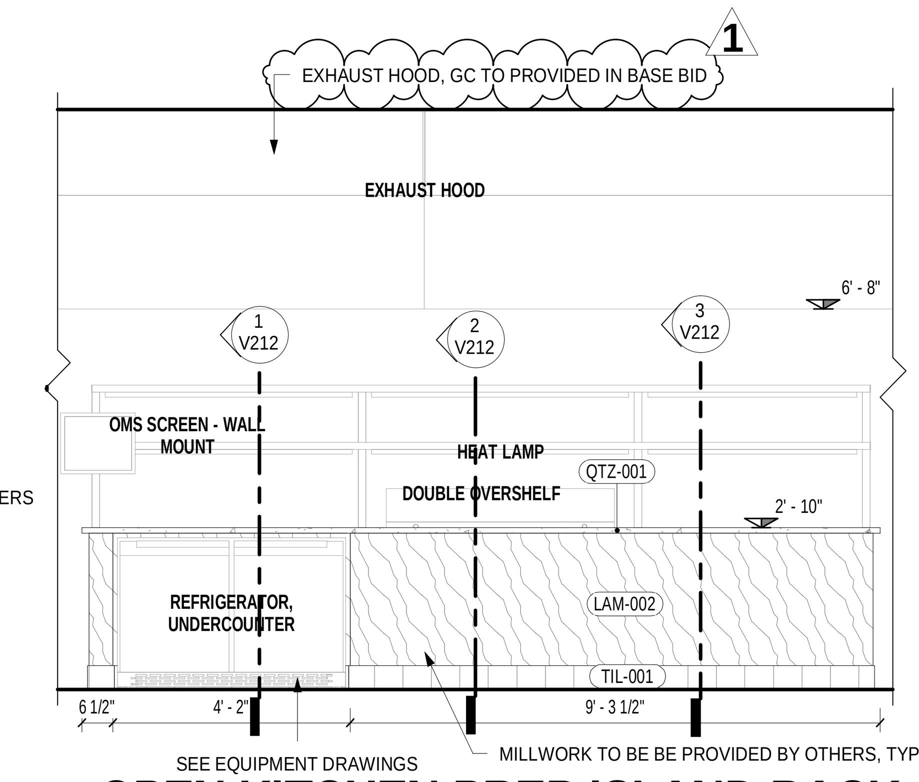
DRAWING NO.
V311



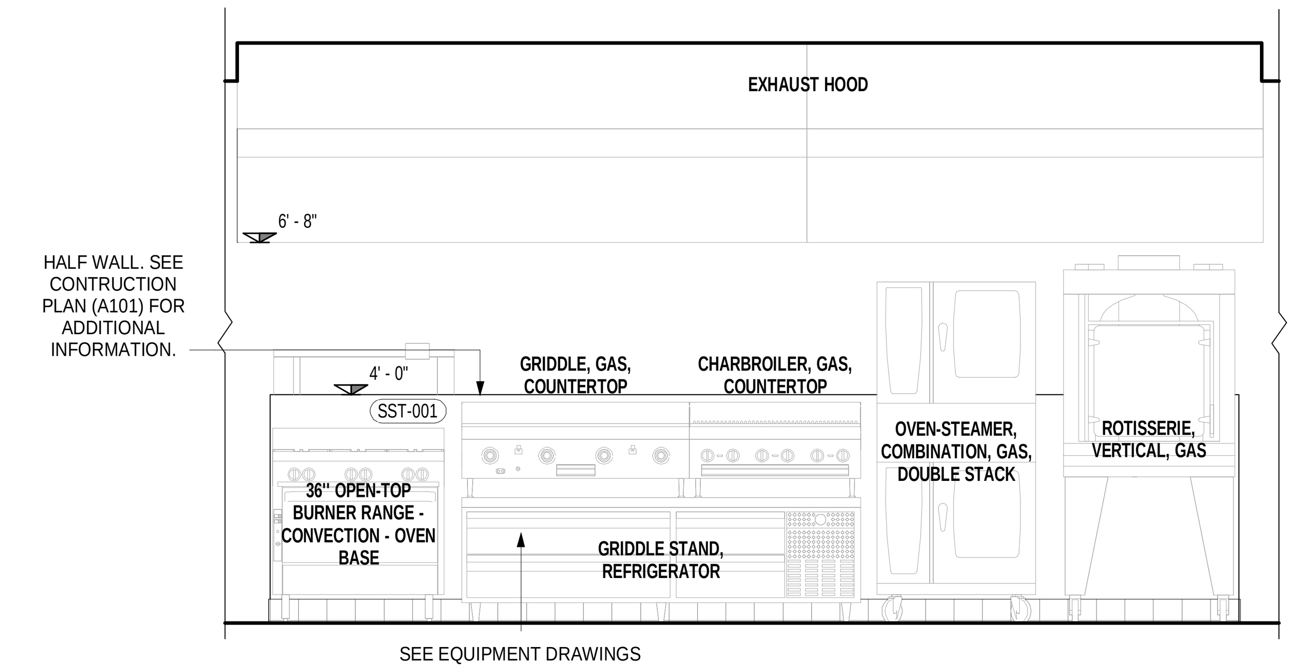
1 OPEN KITCHEN FRONT COUNTER
3/8" = 1'-0"



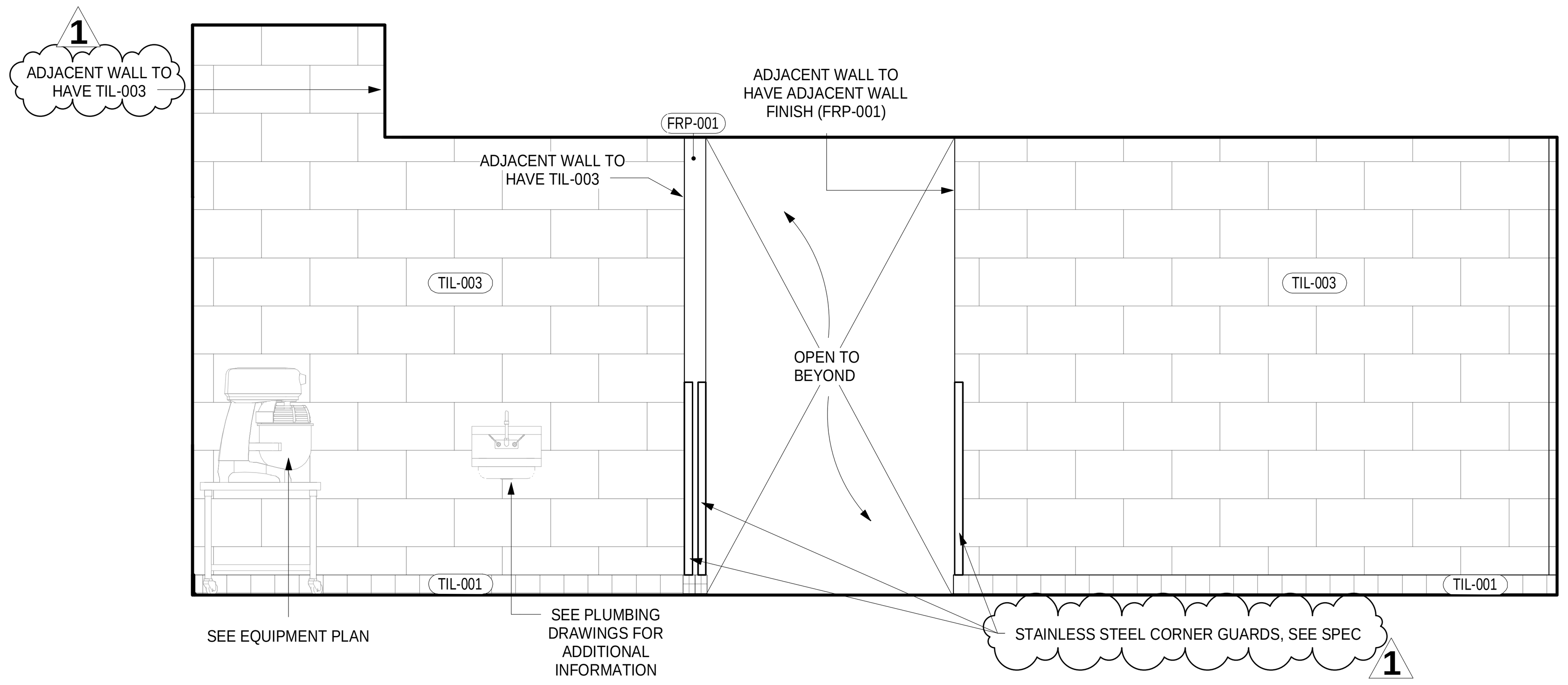
2 O.K. SIDE
3/8" = 1'-0"



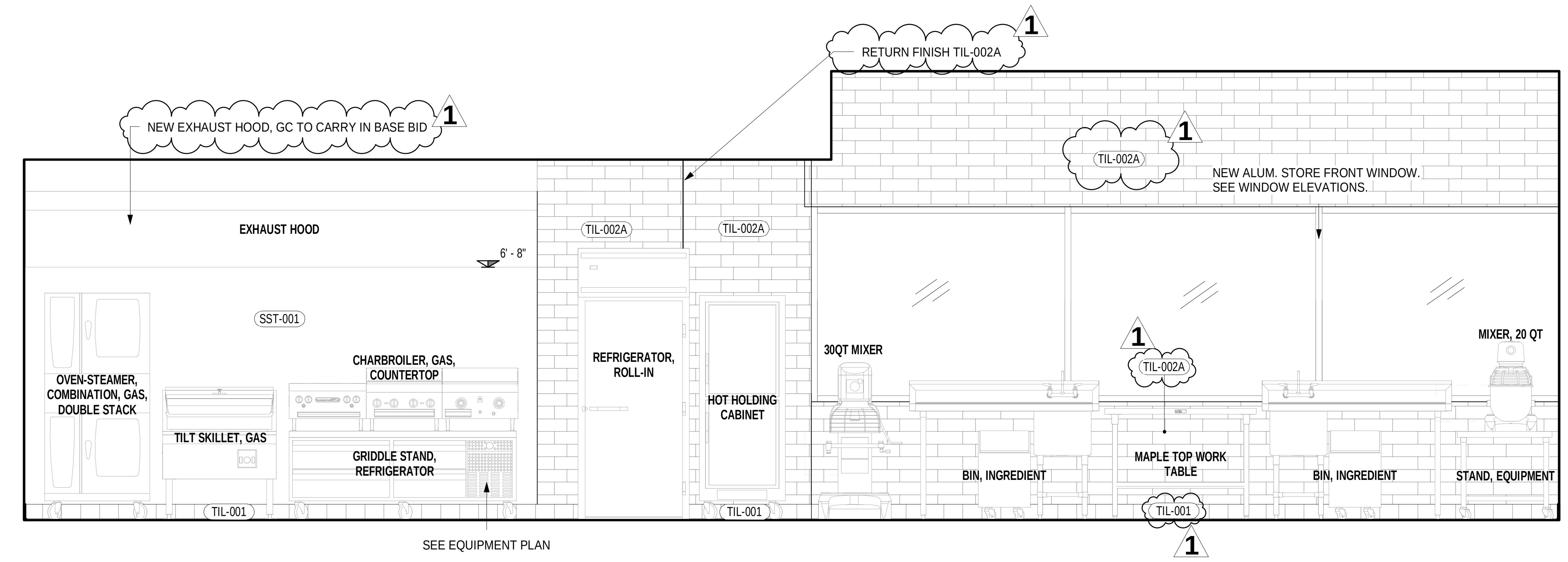
3 OPEN KITCHEN PREP ISLAND BACK
3/8" = 1'-0"



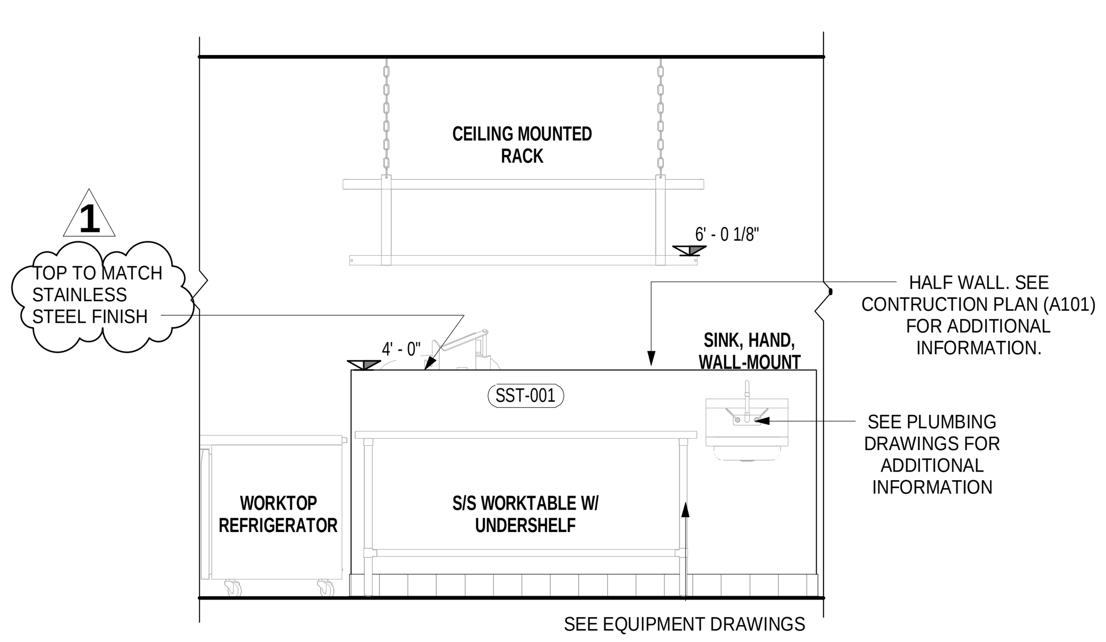
4 OPEN KITCHEN BACK LINE A
3/8" = 1'-0"



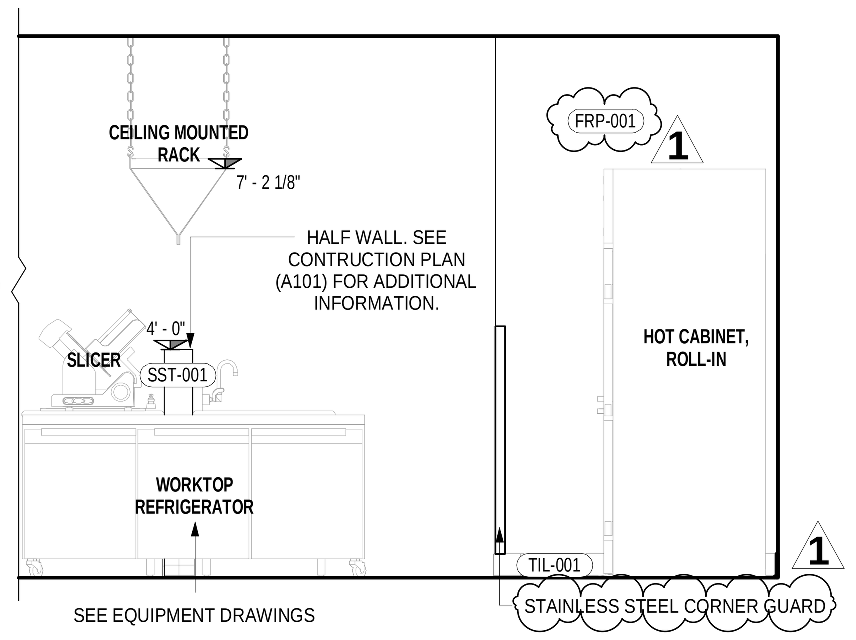
5 PREP AREA C
3/8" = 1'-0"



6 CATERING PREP AREA A
3/8" = 1'-0"



7 CATERING PREP AREA B
3/8" = 1'-0"



8 CATERING PREP AREA C
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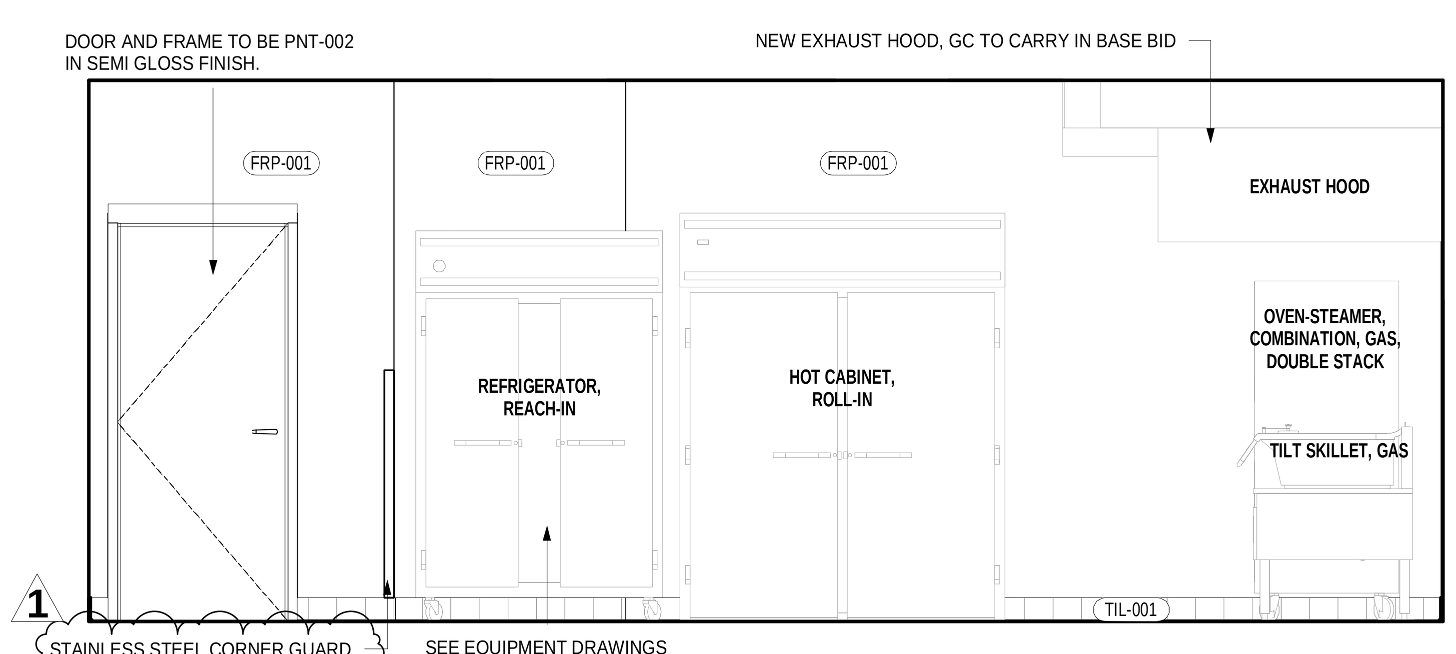
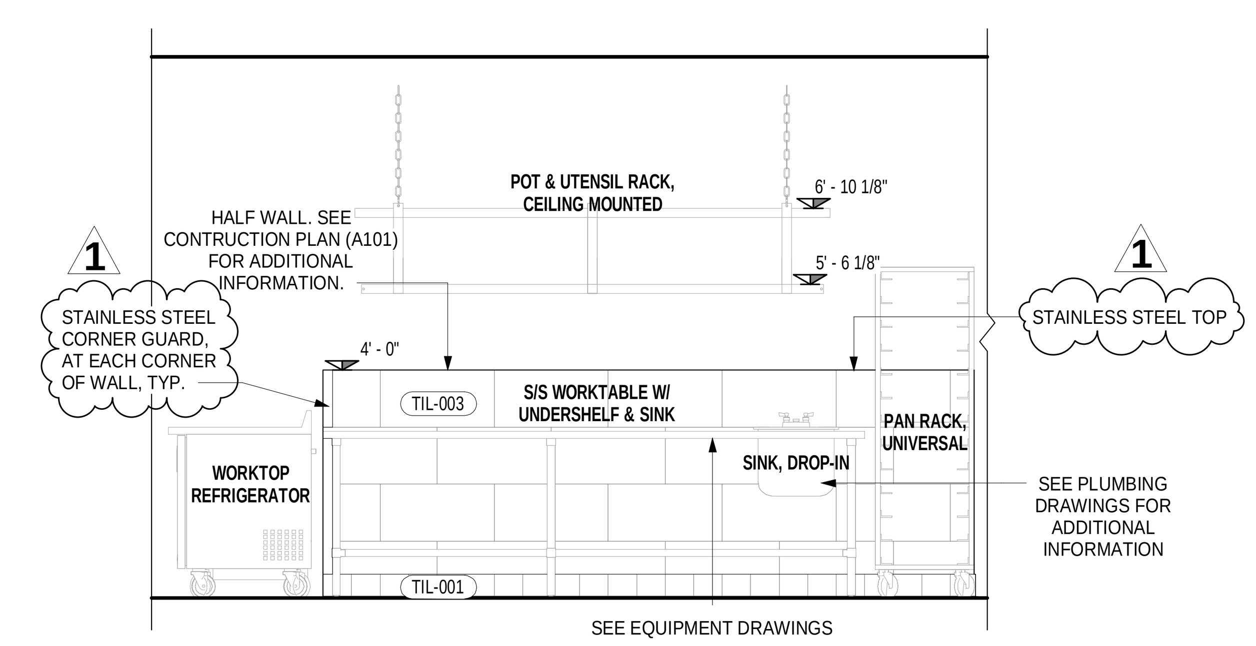


9 CATERING PREP AREA D
3/8" = 1'-0"



10 PREP AREA B
3/8" = 1'-0"

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735 ANDERSON HILL RD
PURCHASE, NY 10577

REVISIONS

NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

SEAL:

ISSUED FOR: BID
ISSUED DATE: 02/16/2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: CW-0205.4

DRAWING NAME:
INTERIOR ELEVATIONS V

DRAWING NO.
V312

Plot Date: 3/30/2018 5:36:20 PM
Dwg Filename: C:\Users\j_woodworth\Documents\CW-0205-4-NORTH CAMPUS_v2016CD_j_woodworth.rvt

Plot Date: 3/30/2018 5:36:28 PM Dwg Filename: C:\Users\j_woodworth\Documents\CW-0205-4-NORTH CAMPUS_v2016CD_j_woodworth.rvt

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REVISIONS

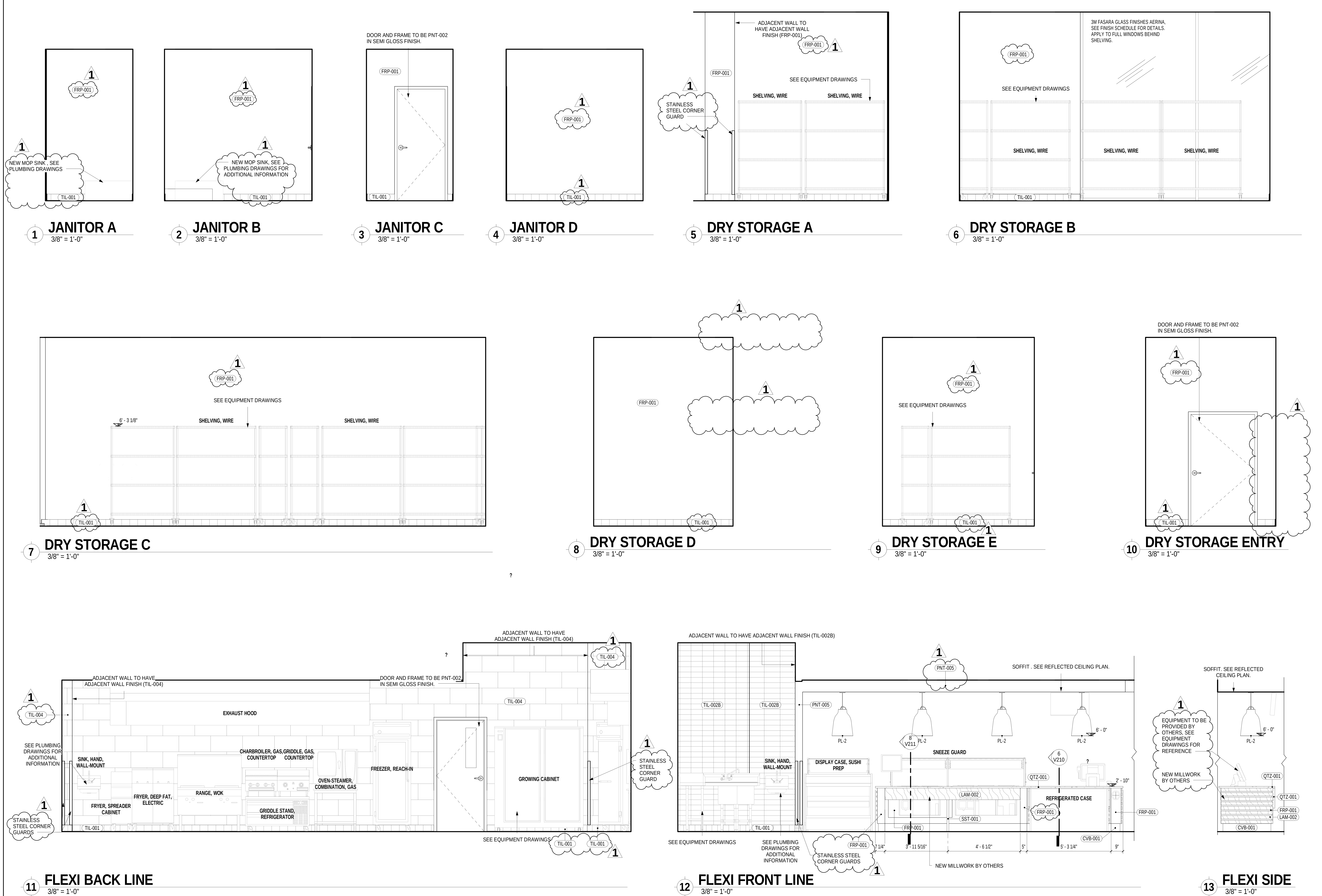
NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

SEAL:

ISSUED FOR: BID
ISSUED DATE: 02/16/2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: CW-0205.4

DRAWING NAME:
INTERIOR ELEVATIONS VI

DRAWING NO.:
V313



Plot Date: 3/30/2018 5:36:36 PM
Dwg Filename: C:\Users\j_woodworth\Documents\CW-0205-4-NORTH CAMPUS_v2016CD_j_woodworth.rvt

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PROJECT:

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CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

REVISIONS

NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

SEAL:

ISSUED FOR: BID

ISSUED DATE: 02/16/2018

DRAWN BY: JW

CHECKED BY: CM

PROJECT NUMBER: CW-0205.4

DRAWING NAME:

INTERIOR ELEVATIONS VII

DRAWING NO.

V314

1 FLEXI FRONT COUNTER 3/8" = 1'-0"

2 FLEXI SIDE WALL 3/8" = 1'-0"

3 ROOTED SINKS 3/8" = 1'-0"

4 SALAD SIDE 3/8" = 1'-0"

5 ROOTED BACK A 3/8" = 1'-0"

6 ROOTED FRONT LINE 3/8" = 1'-0"

7 ROOTED BACK LINE 3/8" = 1'-0"

8 ROOTED BACK B 3/8" = 1'-0"

9 ROOTED SIDE A 3/8" = 1'-0"

10 ROOTED SIDE B 3/8" = 1'-0"

11 ROOTED FRONT COUNTER 3/8" = 1'-0"

12 BANQ. A 3/8" = 1'-0"

13 BANQ. B 3/8" = 1'-0"

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CONSULTANT:
VISIONBUILDERS

PROJECT:
SUNY PURCHASE COLLEGE
CAFE ADDITION AND RENOVATION
735 ANDERSON HILL RD
PURCHASE, NY 10577

REVISIONS

NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

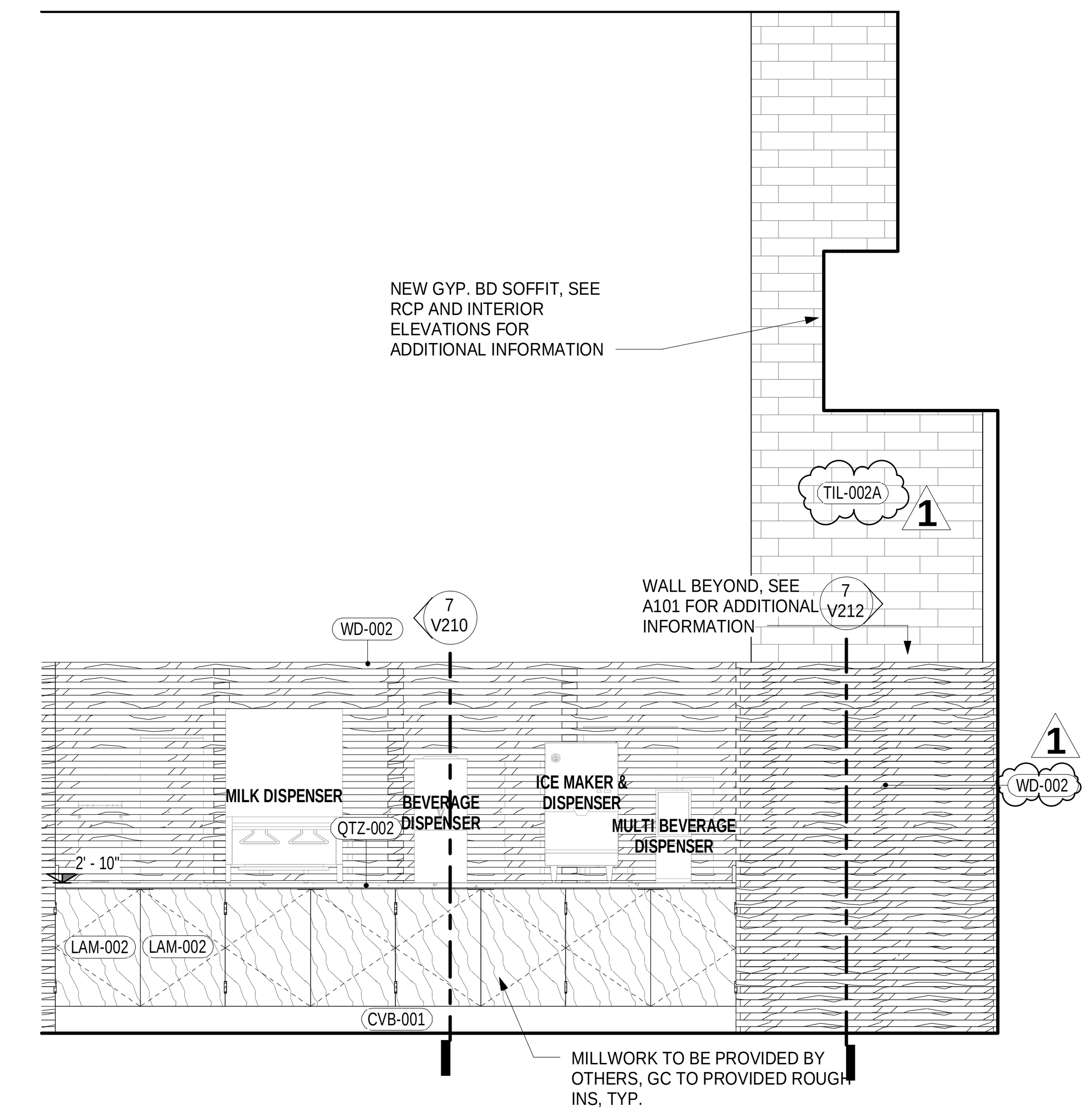
SEAL:

ISSUED FOR: BID
ISSUED DATE: 02/16/2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: CW-0205.4

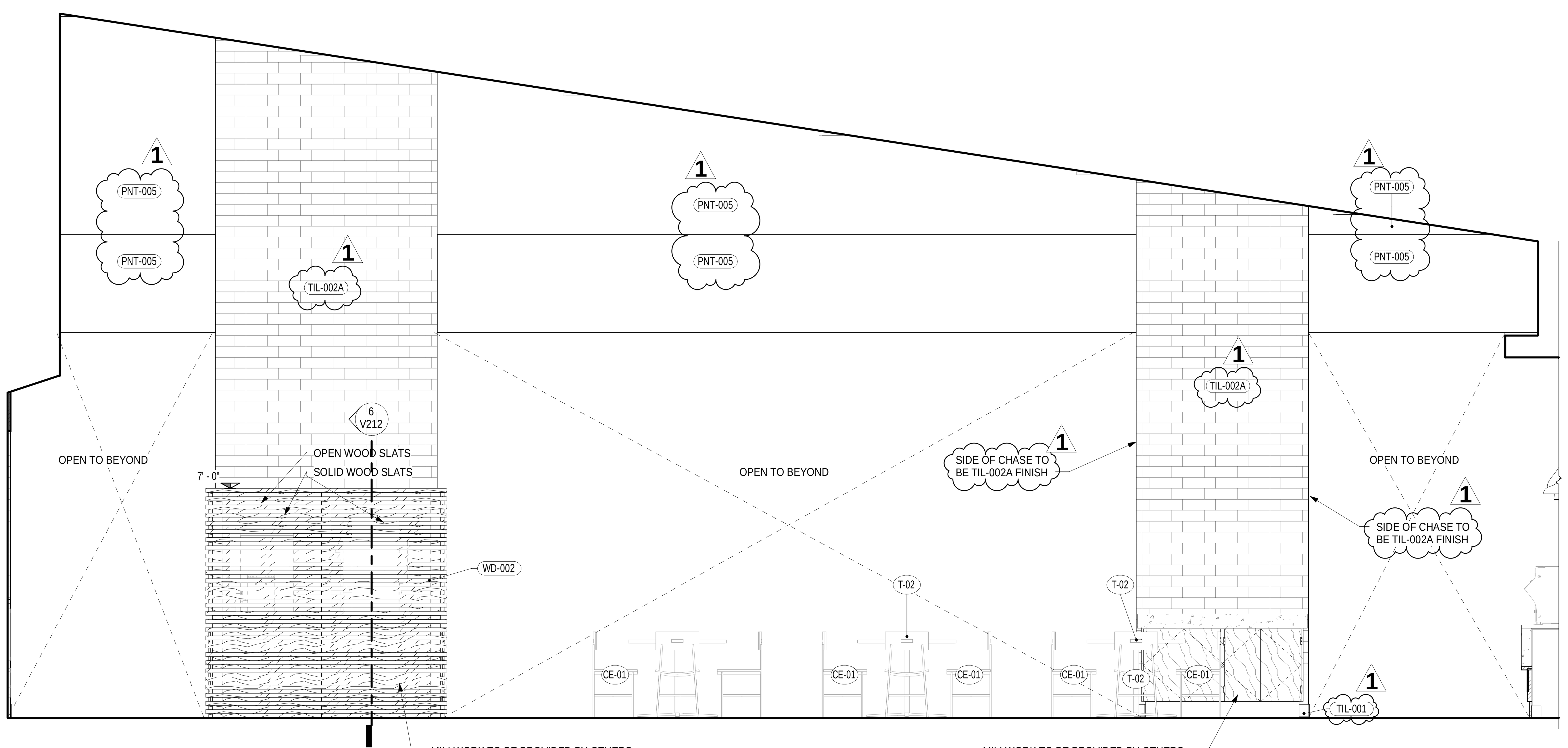
DRAWING NAME:
INTERIOR ELEVATIONS VIII

DRAWING NO.:
V315

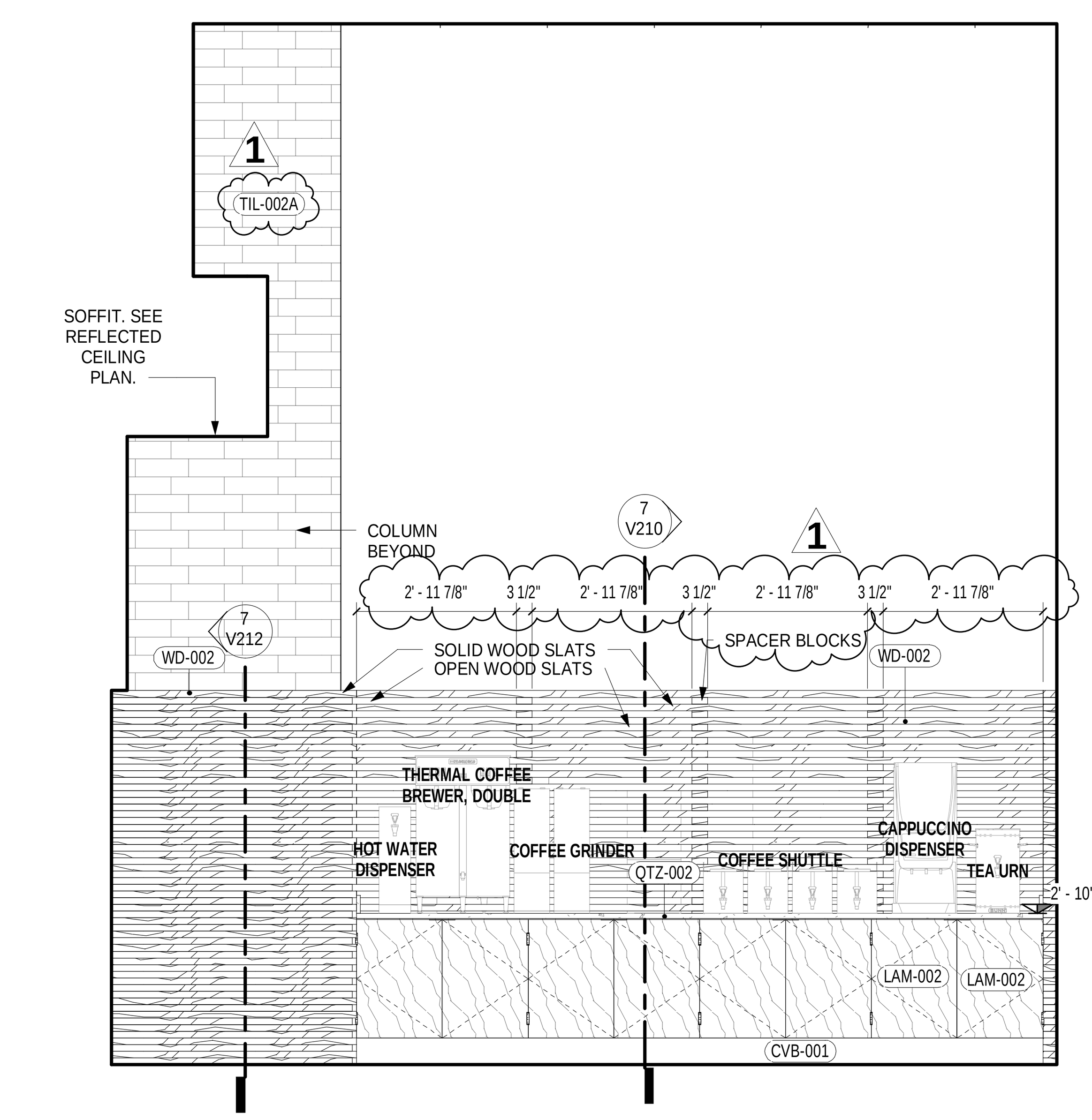
Plot Date: 3/30/2018 5:36:46 PM Dwg Filename: C:\Users\j_woodworth\Documents\CW-0205-4-NORTH CAMPUS_v2016CD_j_woodworth.rvt



1 **BEVERAGE COUNTER BACK**
3/8" = 1'-0"



2 **CONDIMENTS**
3/8" = 1'-0"



3 **BEVERAGE COUNTER FRONT**
3/8" = 1'-0"

Plot Date: 3/30/2018 5:36:51 PM Dwg Filename: C:\Users\j_woodworth\Documents\CW-0205-4-NORTH CAMPUS_v2016CD_j_woodworth.rvt

ARCHITECT:
PHASE ZERO DESIGN
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SIMSBURY, CONNECTICUT 06070
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REVISIONS

NO.	DATE	DESCRIPTION
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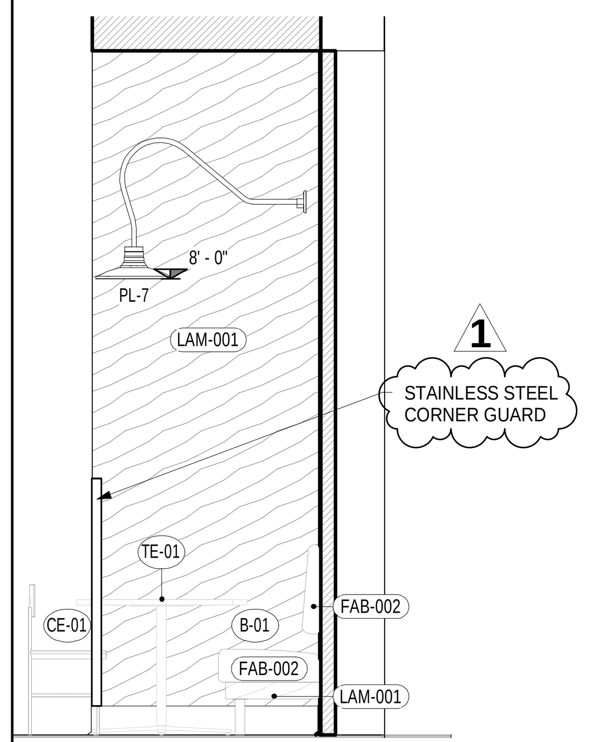
SEAL:

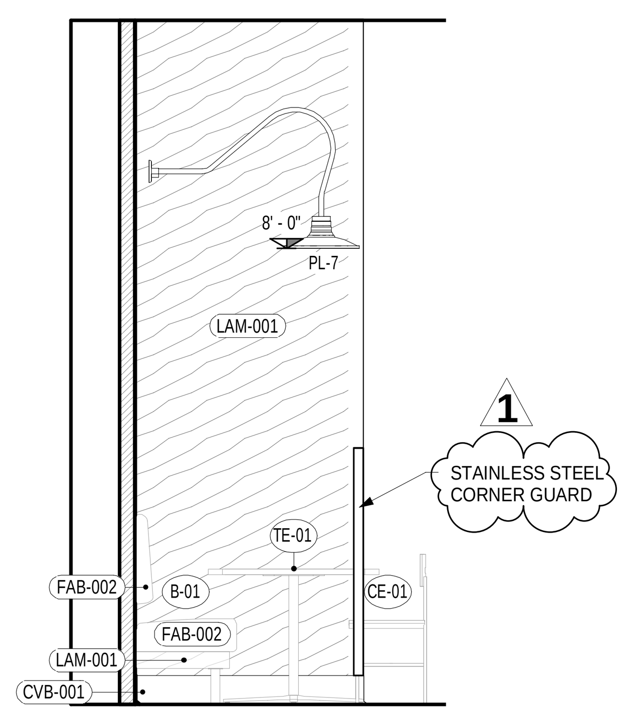
ISSUED FOR: BID
ISSUED DATE: 02/16/2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: CW-0205.4

DRAWING NAME:
INTERIOR ELEVATIONS IX

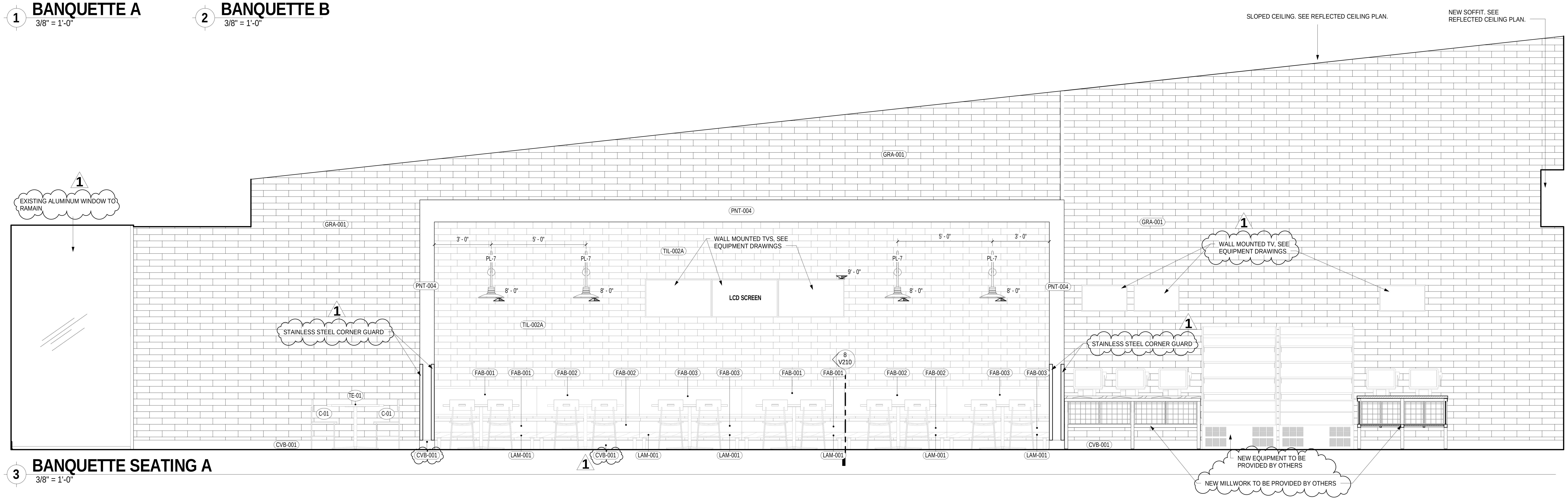
DRAWING NO.
V316



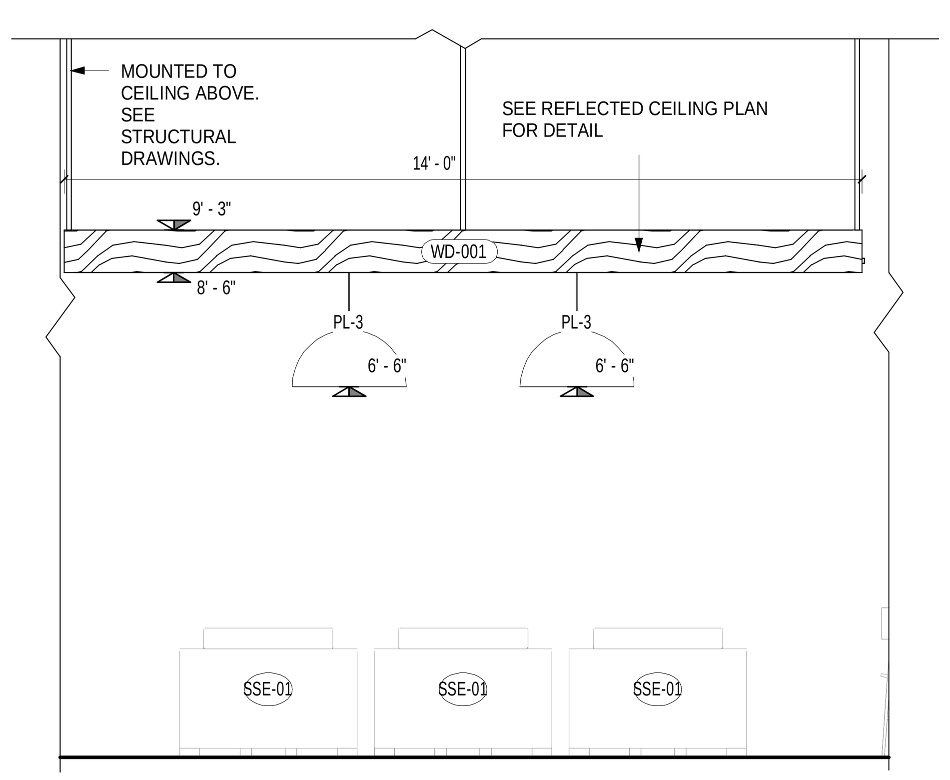
1 **BANQUETTE A**
3/8" = 1'-0"



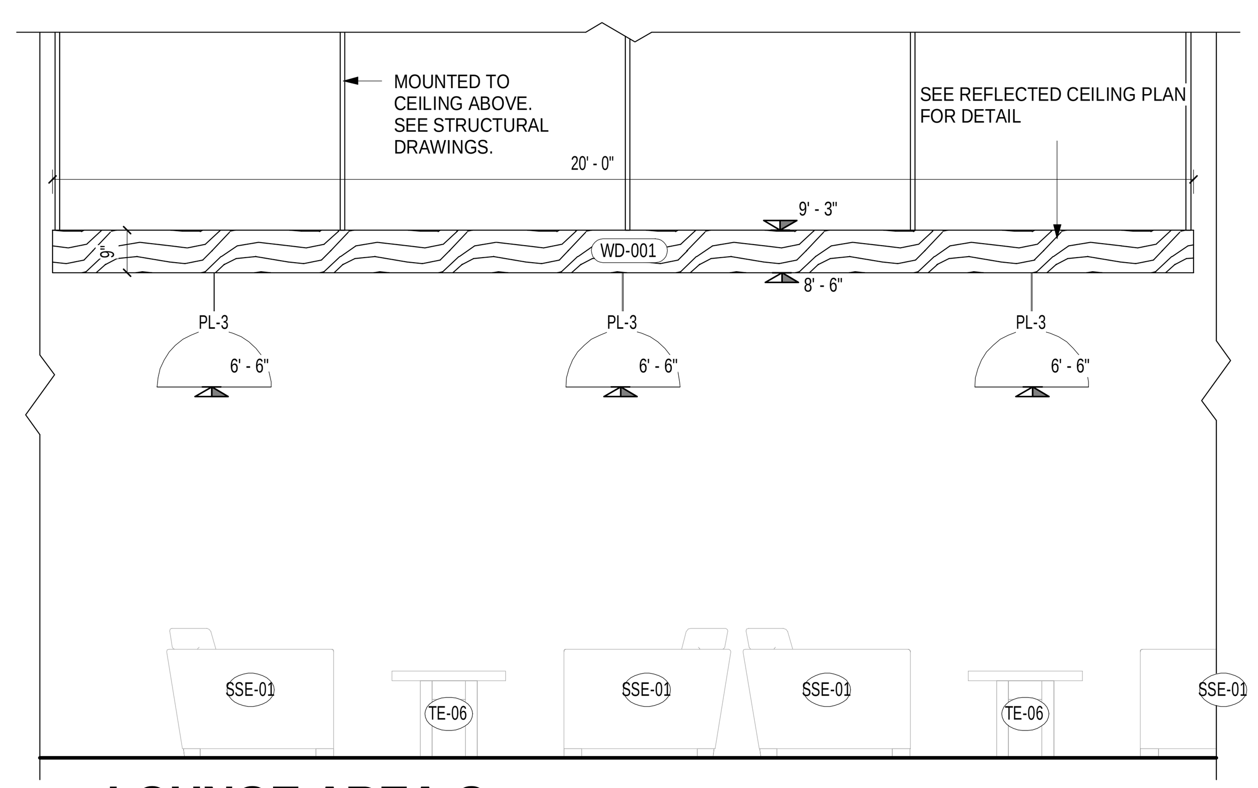
2 **BANQUETTE B**
3/8" = 1'-0"



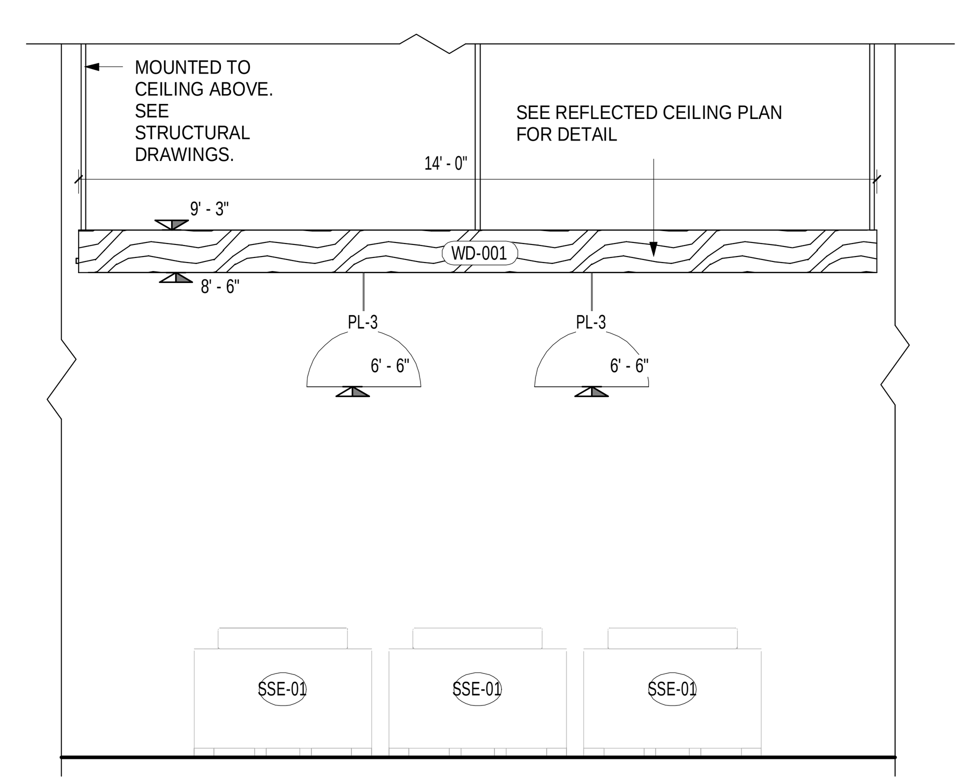
3 **BANQUETTE SEATING A**
3/8" = 1'-0"



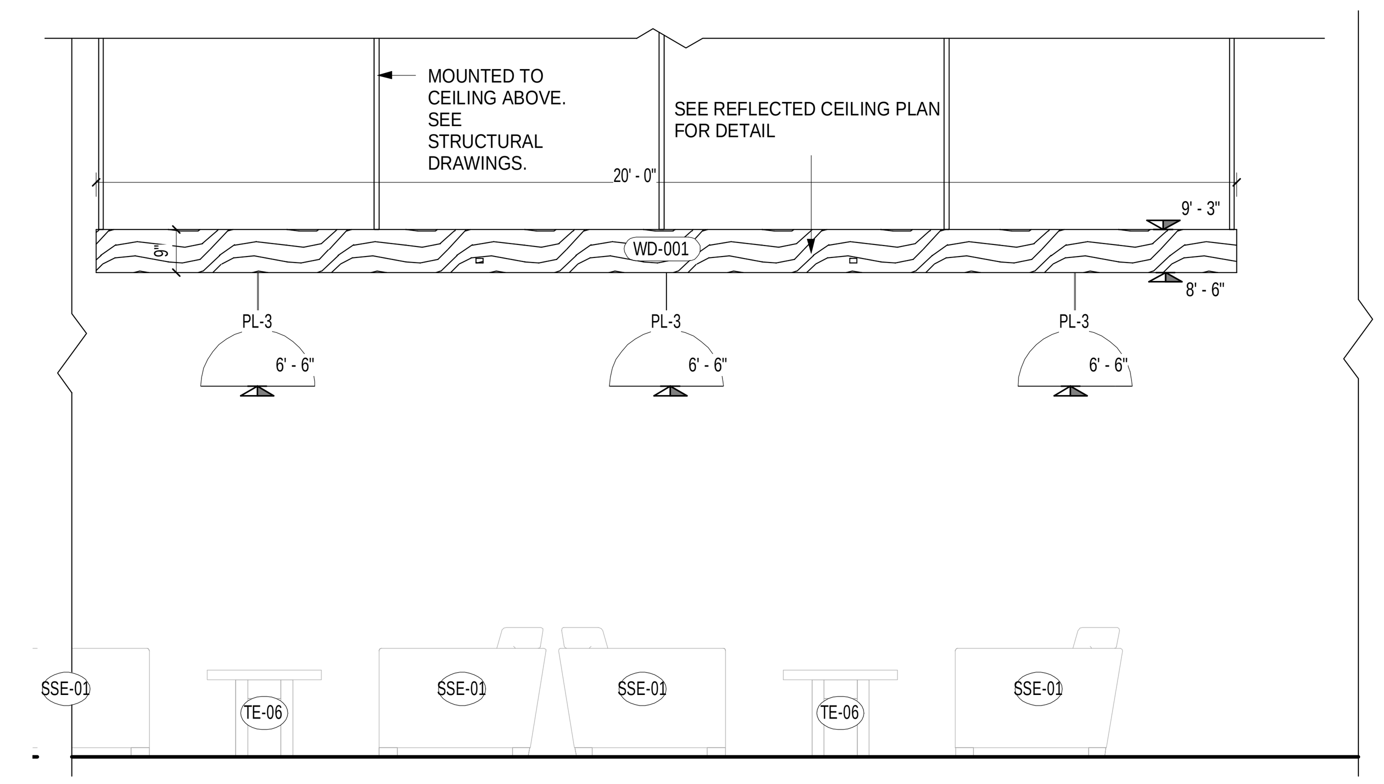
4 **LOUNGE AREA B**
3/8" = 1'-0"



5 **LOUNGE AREA C**
3/8" = 1'-0"



6 **LOUNGE AREA D**
3/8" = 1'-0"



7 **LOUNGE AREA A**
3/8" = 1'-0"

Plot Date: 3/30/2018 5:36:57 PM Dwg Filename: C:\Users\j_woodworth\Documents\CW-0205-4-NORTH CAMPUS_v2016CD_j_woodworth.rvt

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PROJECT:
SUNY PURCHASE COLLEGE
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PURCHASE, NY 10577

REVISIONS

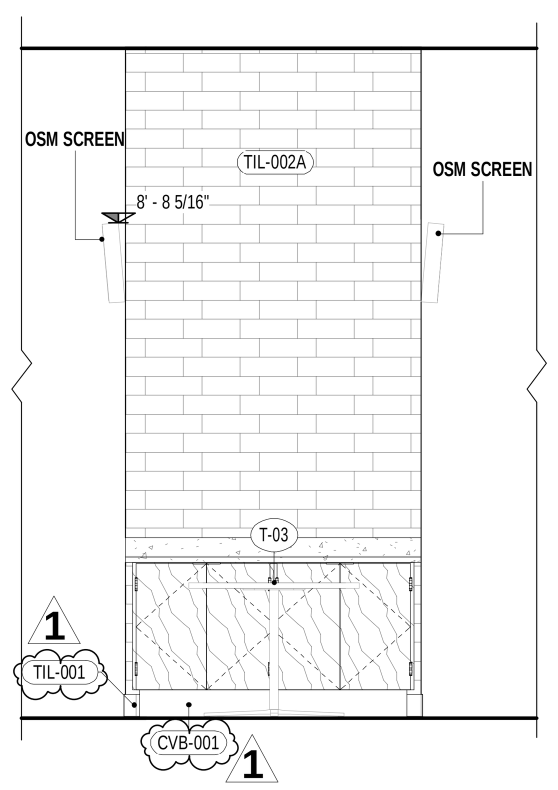
NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

SEAL:

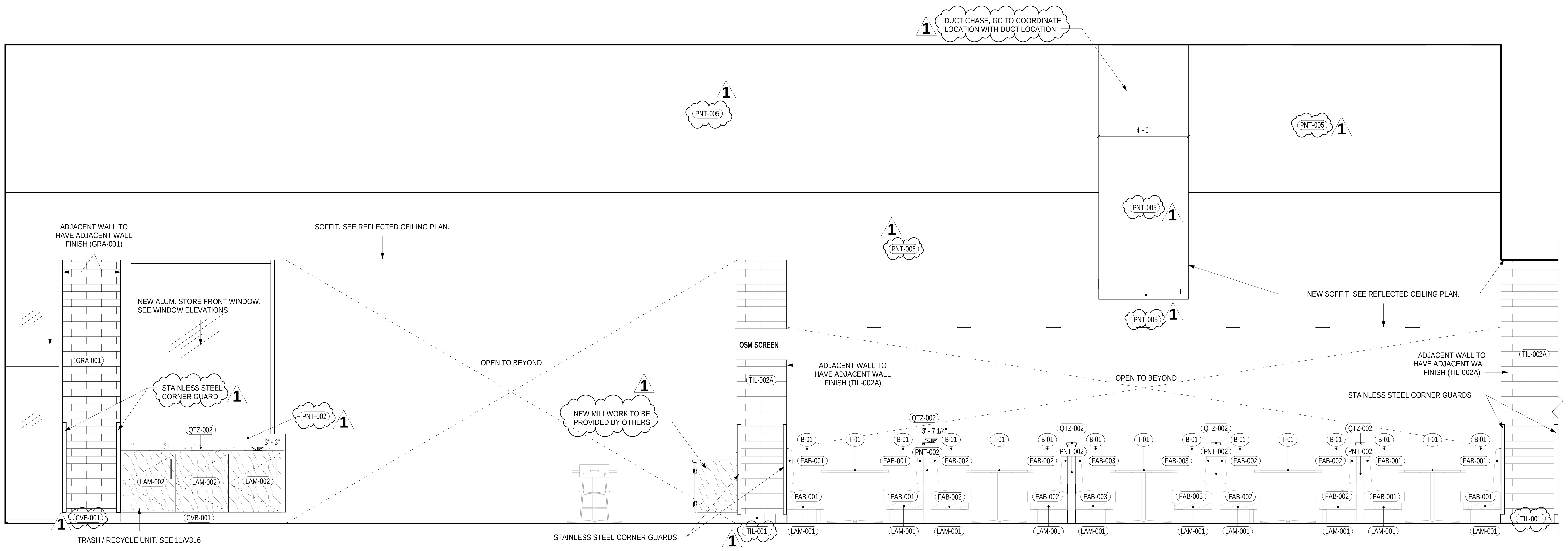
ISSUED FOR: BID
ISSUED DATE: 02/16/2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: CW-0205.4

DRAWING NAME:
INTERIOR ELEVATIONS X

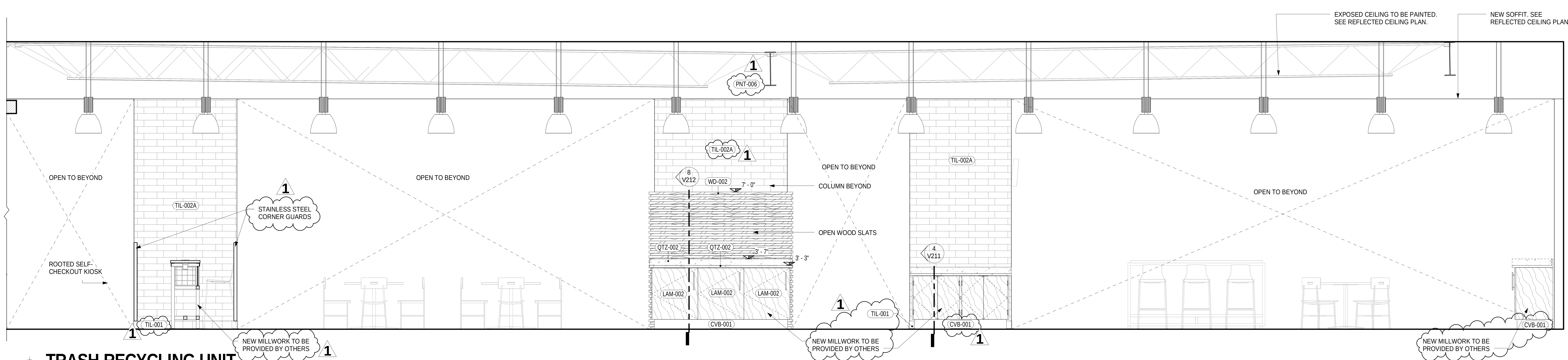
DRAWING NO.
V317



1 **BOOTH SIDE**
3/8" = 1'-0"



2 **BOOTH SEATING**
3/8" = 1'-0"



3 **TRASH RECYCLING UNIT**
3/8" = 1'-0"

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REVISIONS

NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

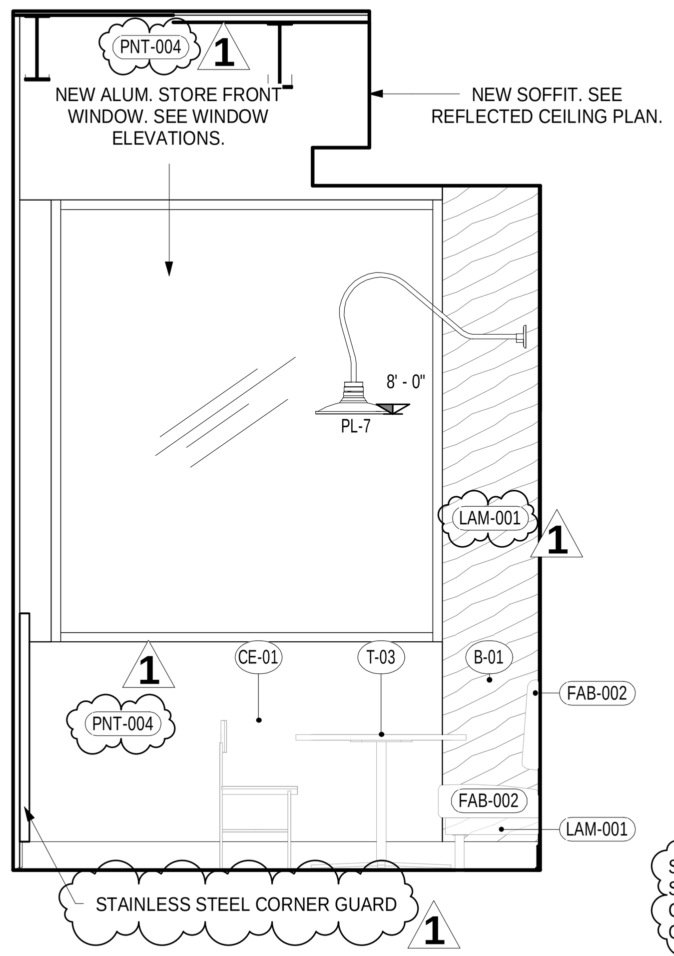
SEAL:

ISSUED FOR: BID
ISSUED DATE: 02/16/2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: CW-0205.4

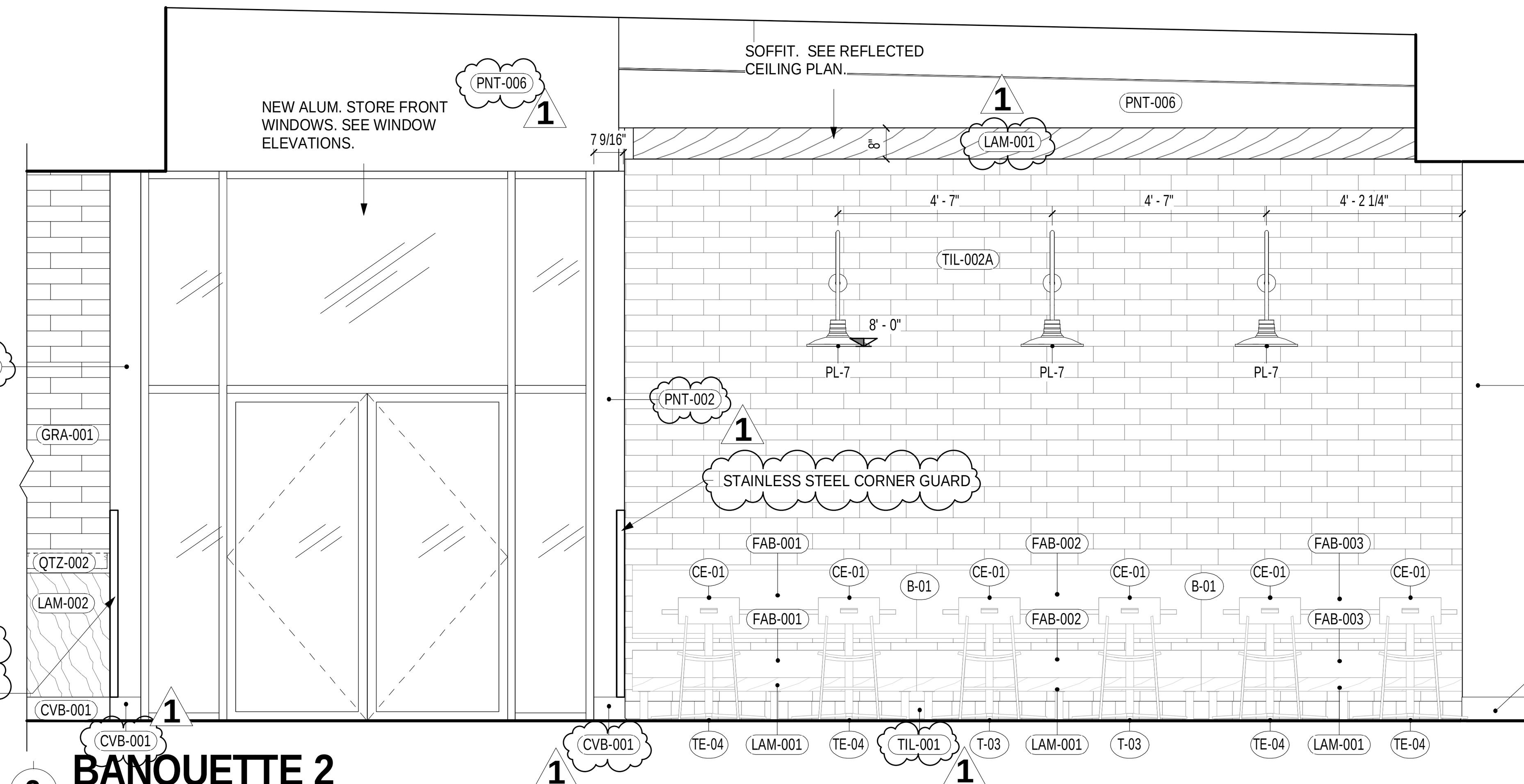
DRAWING NAME:
INTERIOR ELEVATIONS XI

DRAWING NO.
V318

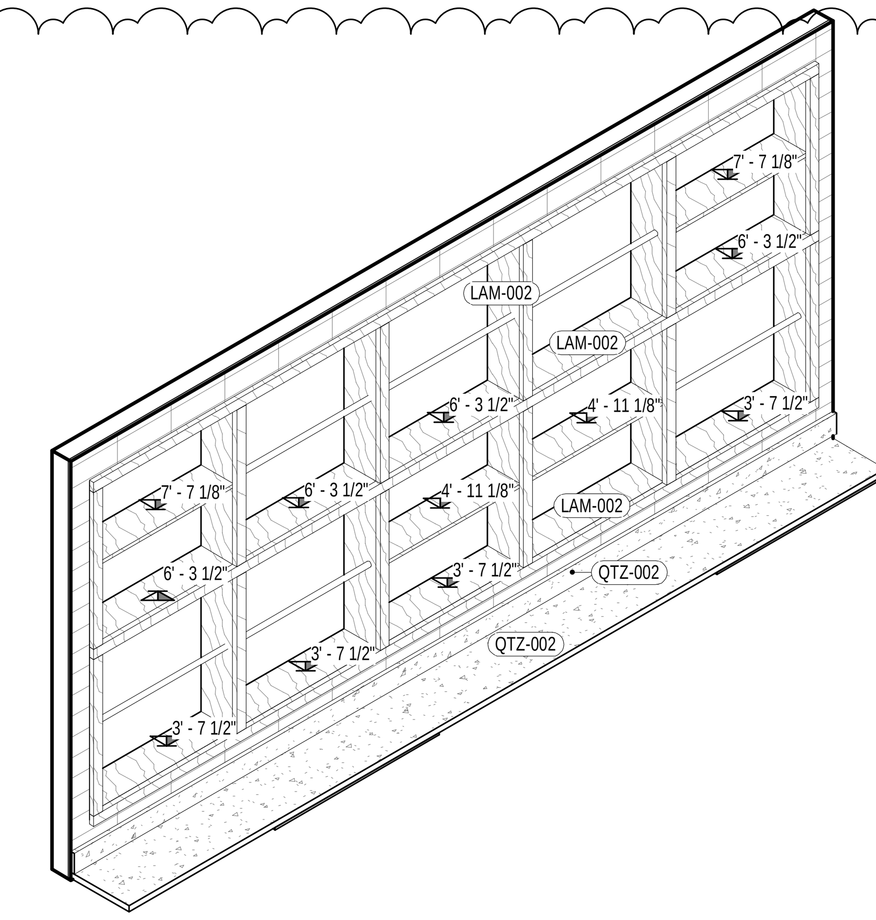
Plot Date: 3/30/2018 5:37:01 PM Dwg Filename: C:\Users\j_woodworth\Documents\CW-0205-4-NORTH CAMPUS_v2016CD_j_woodworth.rvt



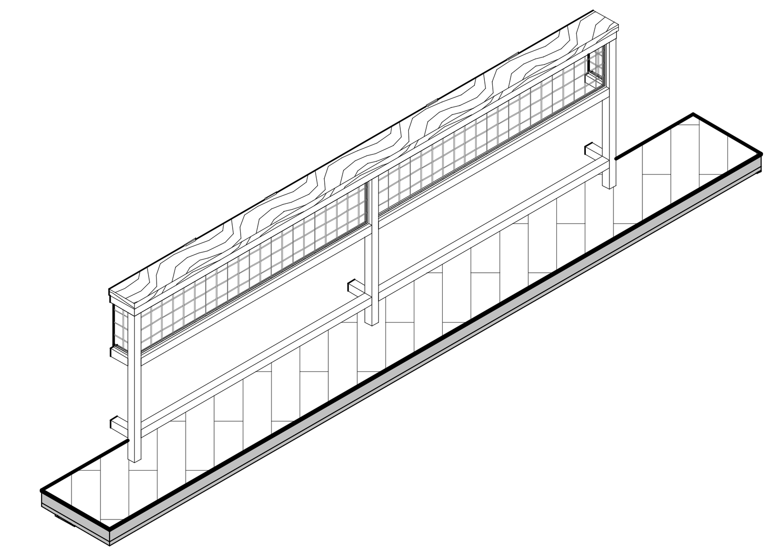
1 BANQUETTE 2 SIDE A
3/8" = 1'-0"



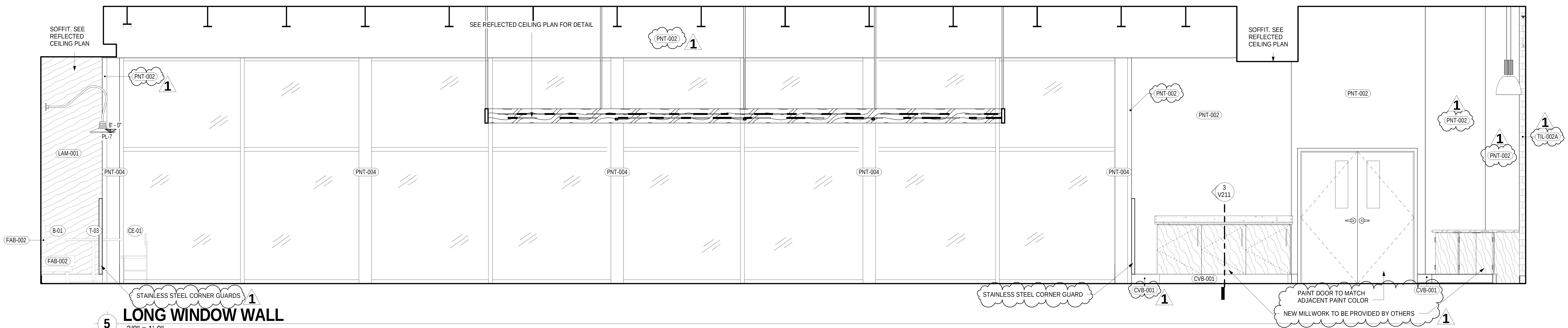
2 BANQUETTE 2
3/8" = 1'-0"



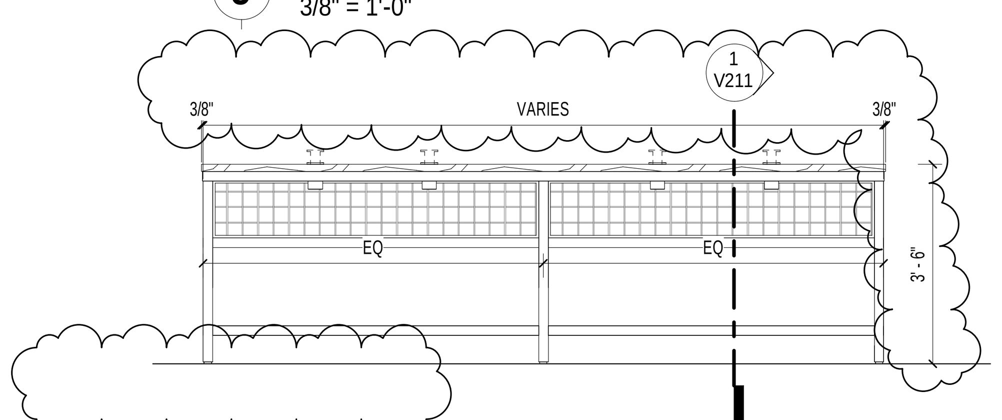
3 3D - CUSTOM BREAD DISPLAY



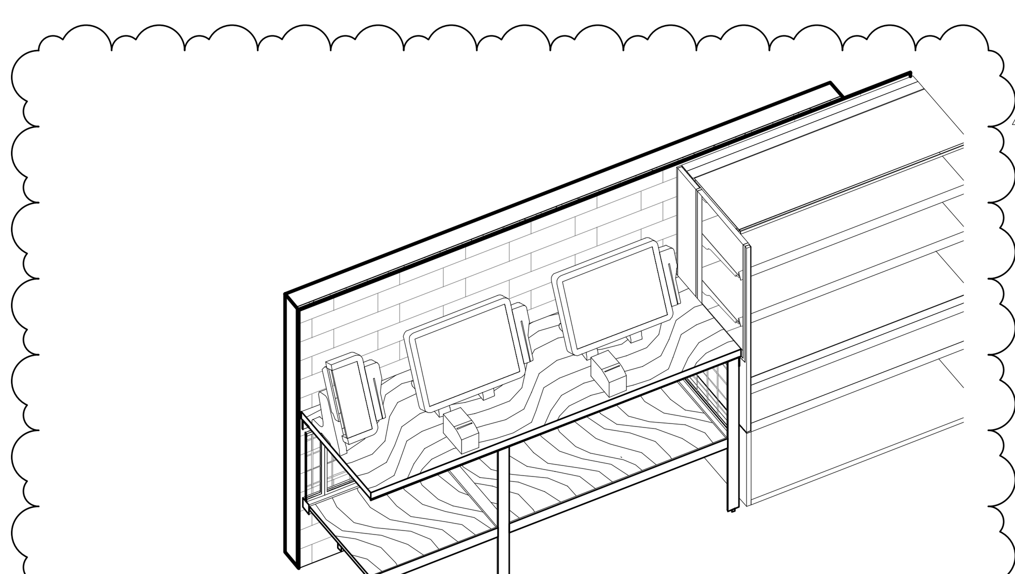
4 3D - QUEUING MERCHANDISER



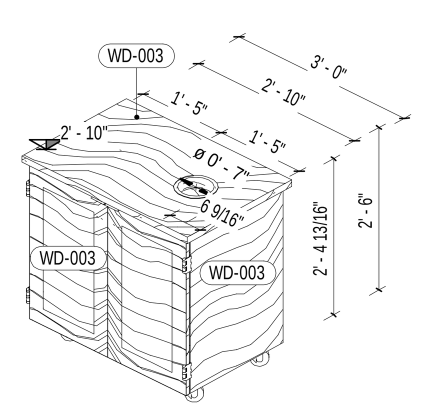
5 LONG WINDOW WALL
3/8" = 1'-0"



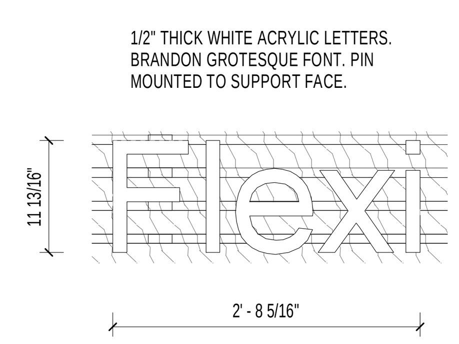
6 QUEUE RETAIL 16' BACK
3/8" = 1'-0"



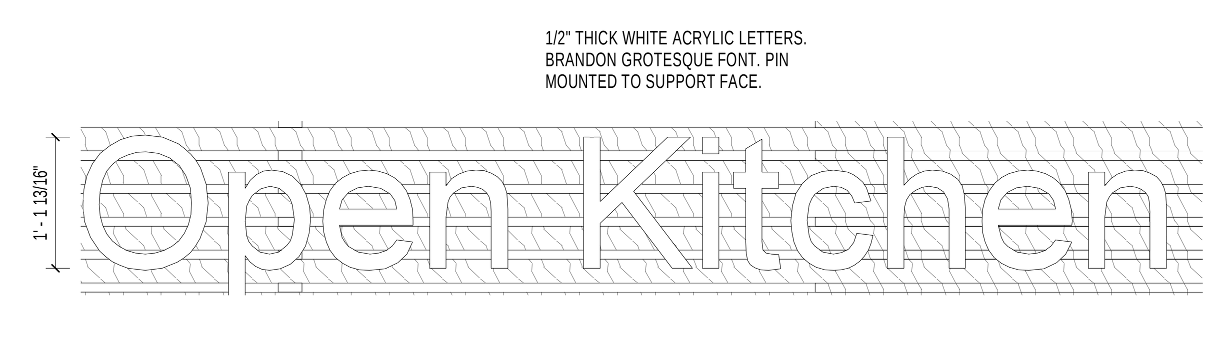
7 3D - TRASH/RECYCLE UNIT



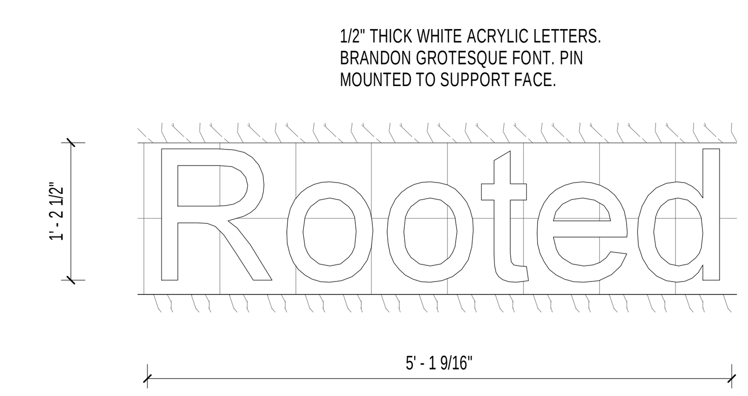
8 3D - MOBILE CONDIMENT



9 FLEXI - SIGNAGE
3/4" = 1'-0"



10 OPEN KITCHEN - SIGNAGE
3/4" = 1'-0"



11 ROOTED - SIGNAGE
3/4" = 1'-0"

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PROJECT:

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735 ANDERSON HILL RD
PURCHASE, NY 10577

REVISIONS

NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

SEAL:

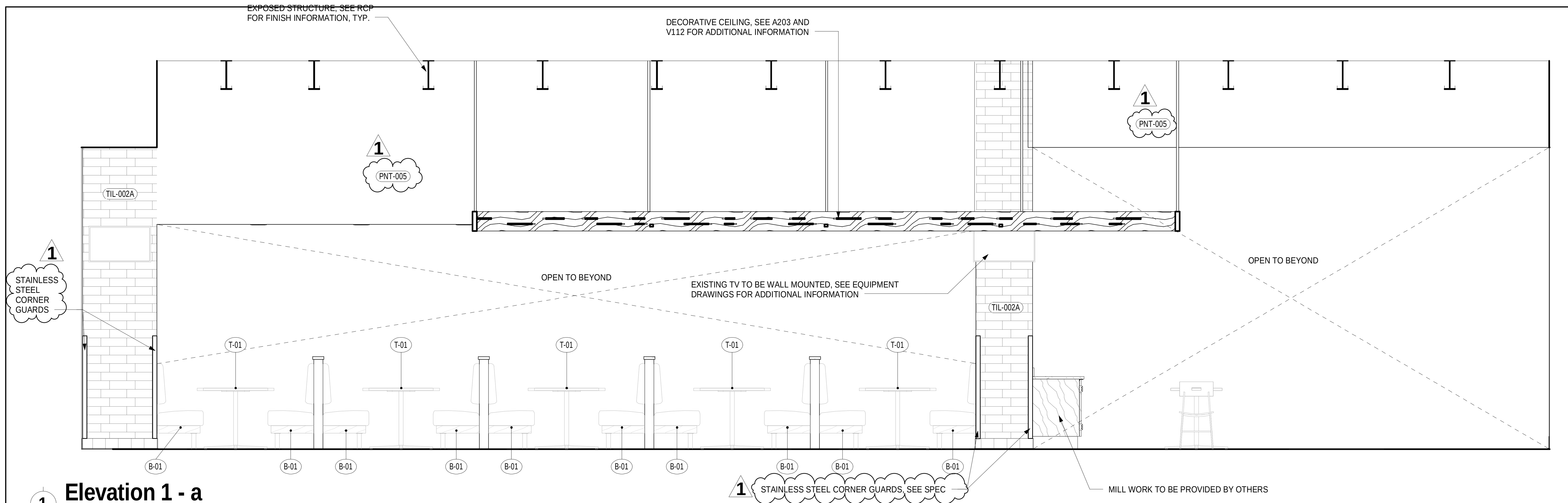
ISSUED FOR: BID
ISSUED DATE: 02/16/2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: CW-0205.4

DRAWING NAME:

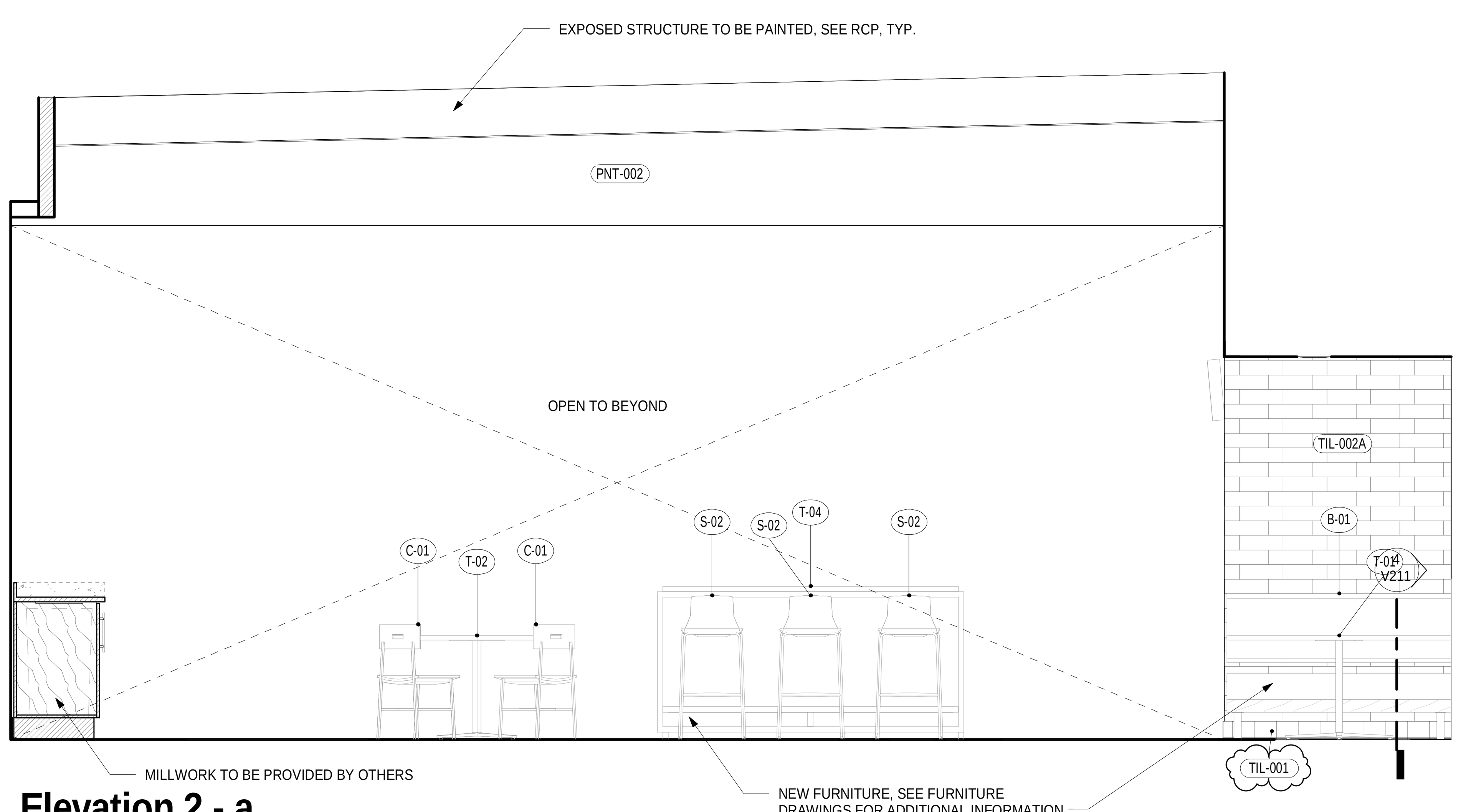
INTERIOR ELEVATIONS AND DETAILS XII

DRAWING NO.

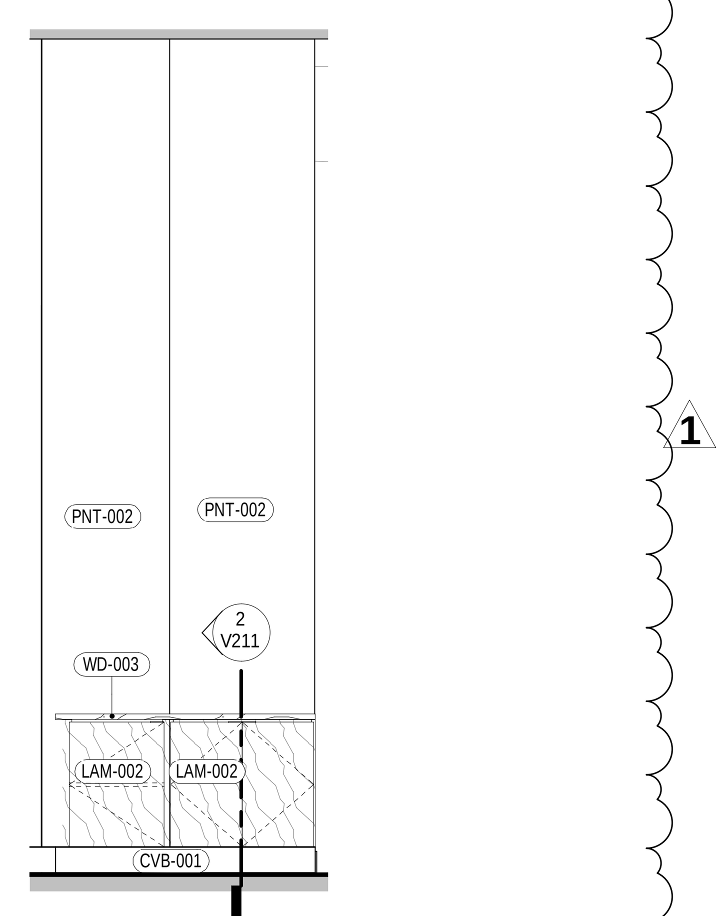
V319



1 **Elevation 1 - a**
3/8" = 1'-0"



2 **Elevation 2 - a**
3/8" = 1'-0"



3 **Elevation 3 - a**
3/8" = 1'-0"

ARCHITECTURE:

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REVISIONS

NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

SEAL:

ISSUED FOR: BID

ISSUED DATE: 02/16/2018

DRAWN BY: JW

CHECKED BY: CM

PROJECT NUMBER: CW-0205.4

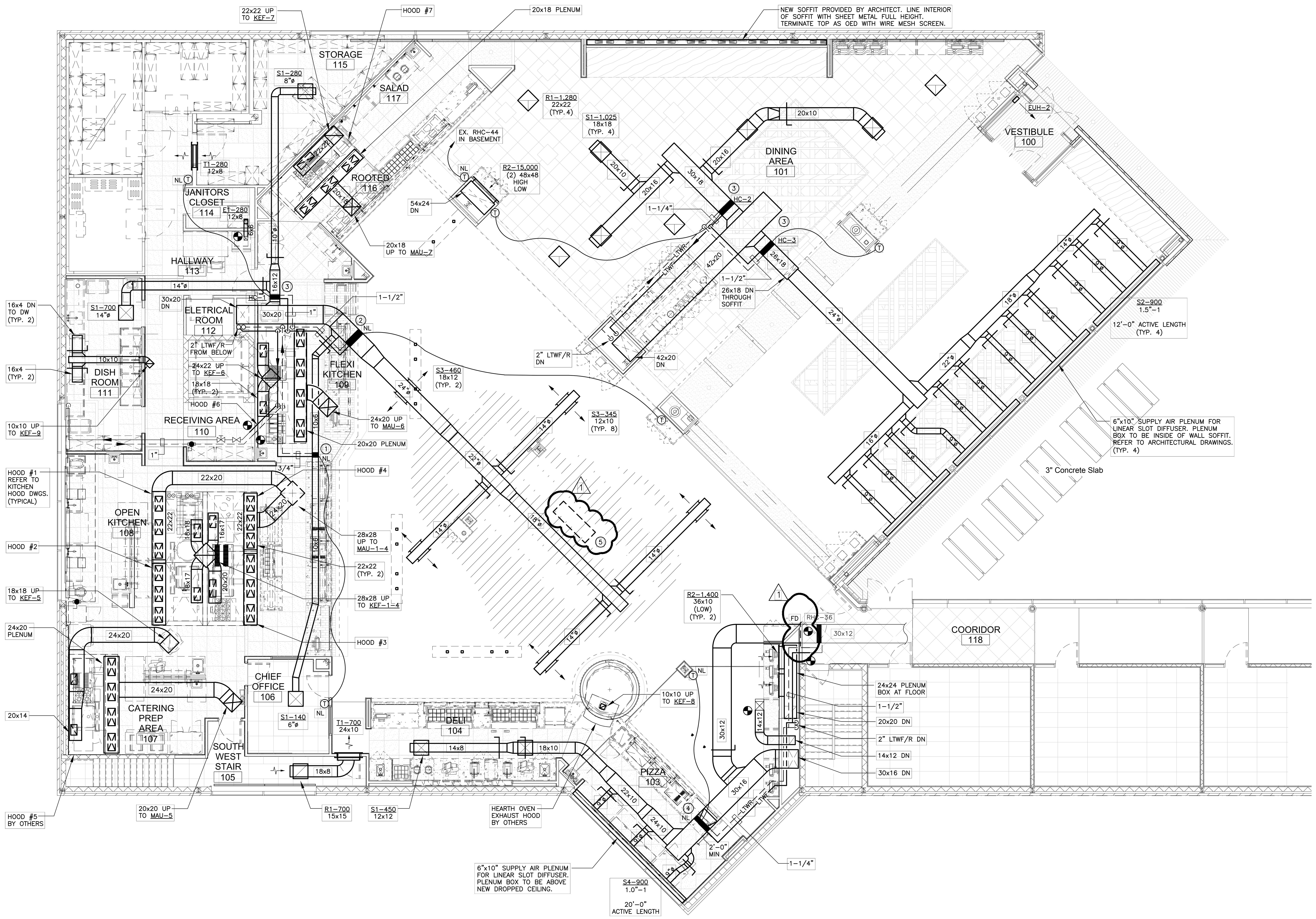
DRAWING NAME:

INTERIOR ELEVATIONS XIII

DRAWING NO.

V320

Plot Date: 3/30/2018 5:37:11 PM Dwg Filename: C:\Users\j_woodworth\Documents\CW-0205-4-NORTH CAMPUS_v2016CD_j_woodworth.rvt



FIRST FLOOR MECHANICAL PLAN

SCALE: 1/8" = 1'-0"

MECHANICAL CONSTRUCTION NOTES

1. EXISTING REHEAT COIL, RHC-41 (1.5 GPM). RECONNECT USING EXISTING PNEUMATIC CONTROL VALVE. CONTRACTOR TO FIELD VERIFY OPERATION OF EXISTING VALVE. REPLACE AS REQUIRED. FOR HOT WATER COIL INSTALLATION DETAIL, SEE M-200.
2. EXISTING REHEAT COIL, RHC-64 (15 GPM). RECONNECT USING EXISTING PNEUMATIC CONTROL VALVE. CONTRACTOR TO FIELD VERIFY OPERATION OF EXISTING VALVE. REPLACE AS REQUIRED. FOR HOT WATER COIL INSTALLATION DETAIL, SEE M-200.
3. NEW HOT WATER REHEAT COIL, SEE MECHANICAL SCHEDULES. FOR HOT WATER COIL INSTALLATION DETAIL, SEE M-200.
4. EXISTING REHEAT COIL, RHC-37 (6 GPM). RECONNECT USING EXISTING PNEUMATIC CONTROL VALVE. CONTRACTOR TO FIELD VERIFY OPERATION OF EXISTING VALVE. REPLACE AS REQUIRED. FOR HOT WATER COIL INSTALLATION DETAIL, SEE M200.
5. OPENING FOR GRAVITY RELIEF HOOD ABOVE. SEE DETAIL ON M200.

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INNOVATIVE ENGINEERING SERVICES, LLC
AN INTEGRATED ENGINEERING + DESIGN FIRM
33 N PLAINS INDUSTRIAL RD
WALLINGFORD, CT 06492
TEL. 203.467.4370
WEB: WWW.IESLLC.BIZ

PROJECT:

SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

REVISIONS

NO.	DATE	DESCRIPTION
1	03/30/2018	ADDENDUM #1

SEAL:

ISSUED FOR: BID

ISSUED DATE: 02.16.2018

DRAWN BY: IES

CHECKED BY: IES

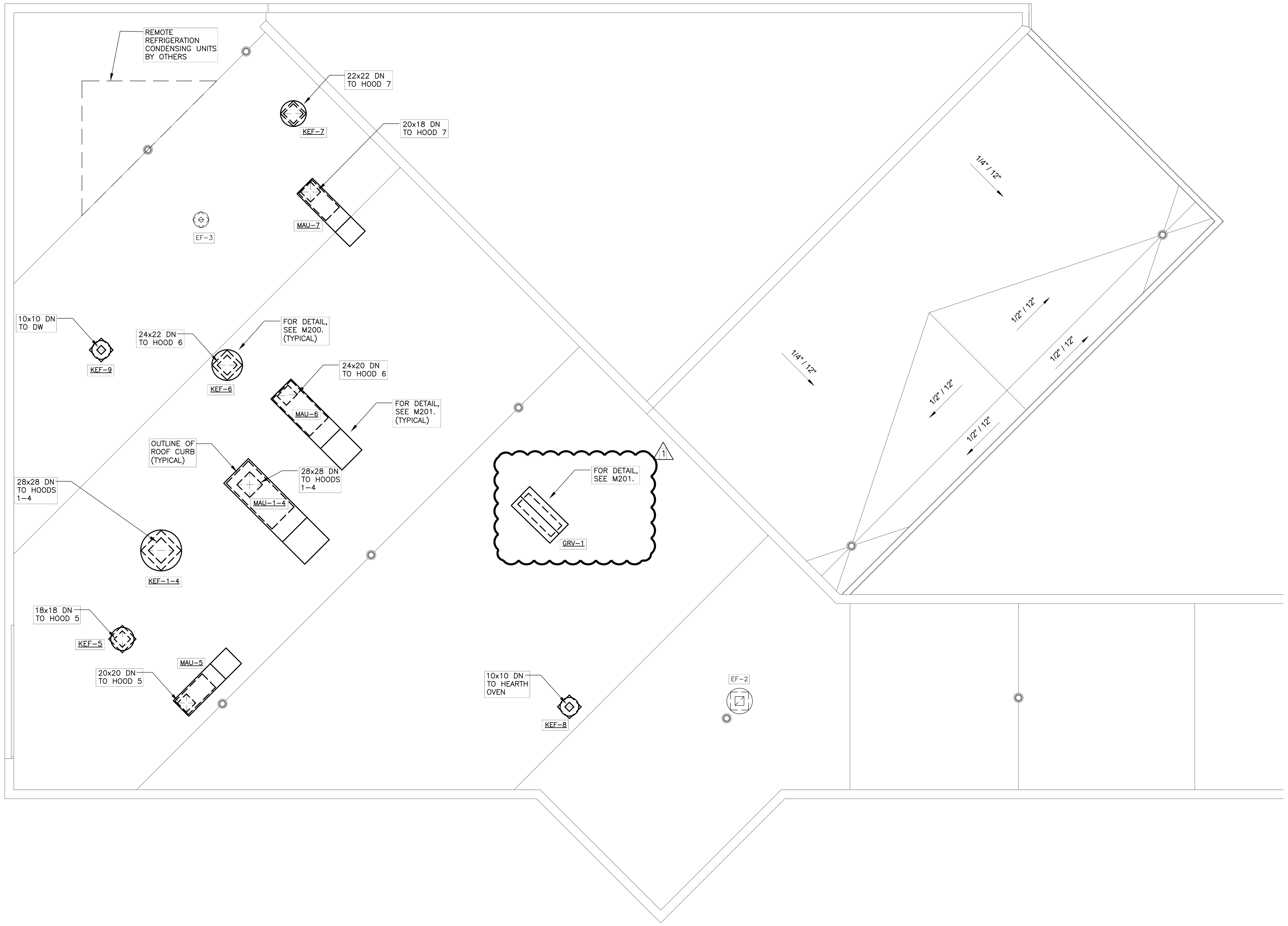
PROJECT NUMBER: 1416244

DRAWING NAME:

FIRST FLOOR MECHANICAL PLAN

DRAWING NO:

M101



ROOF MECHANICAL PLAN

SCALE: 1/8"= 1'-0"

G:\IES Projects\2017 Projects\Team PJP\17163 SUNY Purchase The Hub\Contract Documents\17163-M102.dwg Plotted by sgenova on Mar 30, 2018 - 4:15pm

ARCHITECT:

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REVISIONS		
NO.	DATE	DESCRIPTION
1	03/30/2018	ADDENDUM #1

SEAL:

ISSUED FOR: BID

ISSUED DATE: 02.16.2018

DRAWN BY: IES

CHECKED BY: IES

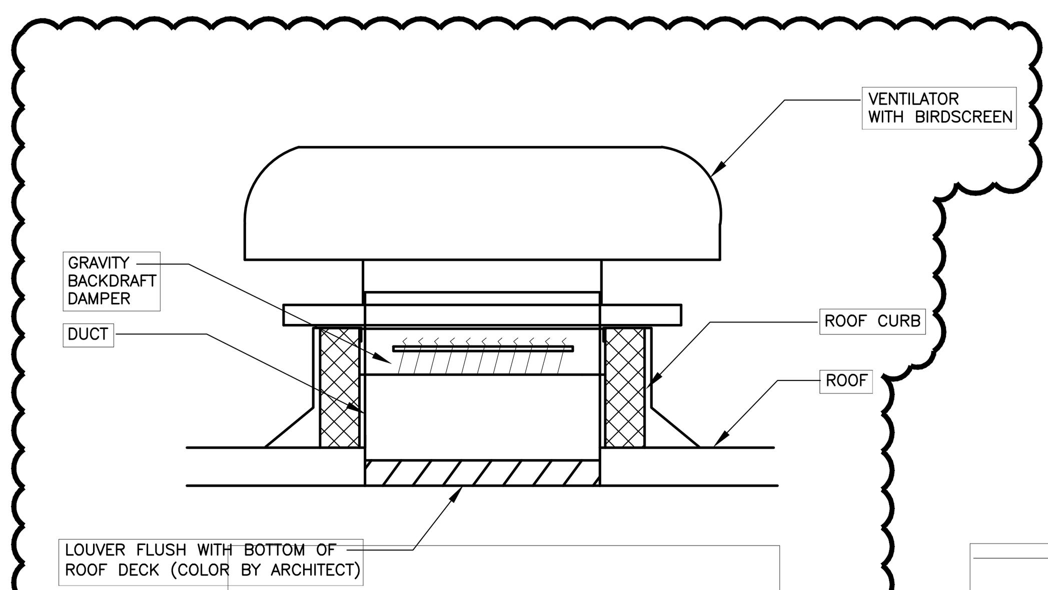
PROJECT NUMBER: 1416244

DRAWING NAME:

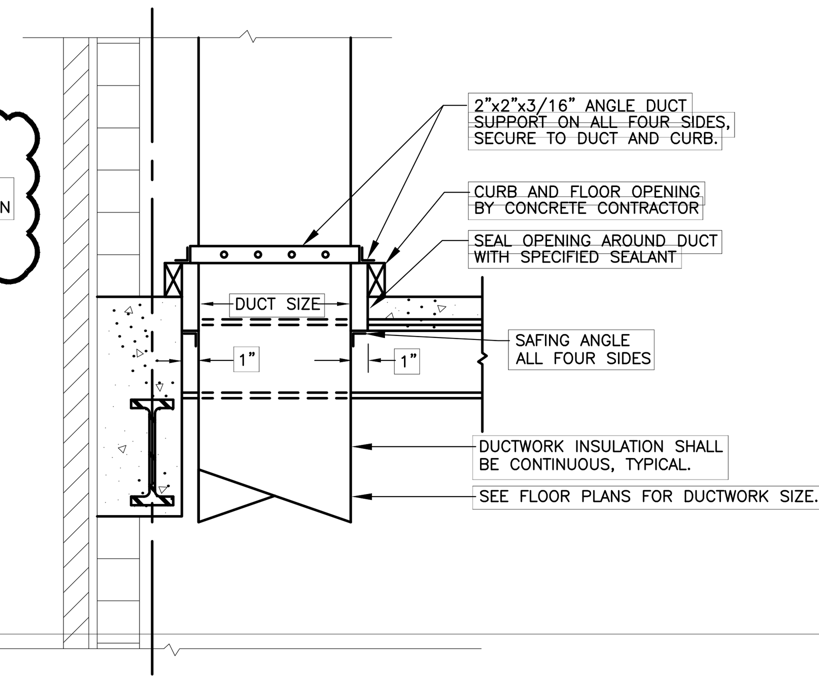
ROOF MECHANICAL PLAN

DRAWING NO:

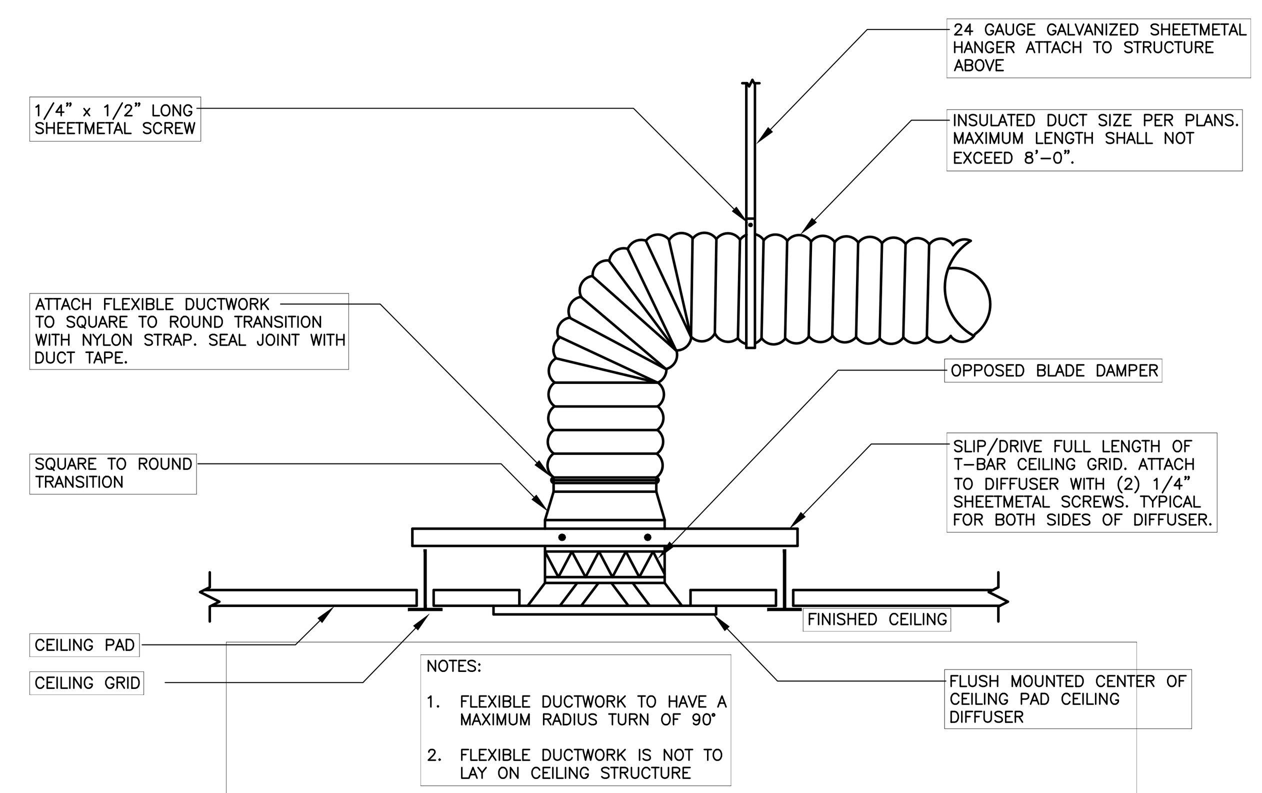
M102



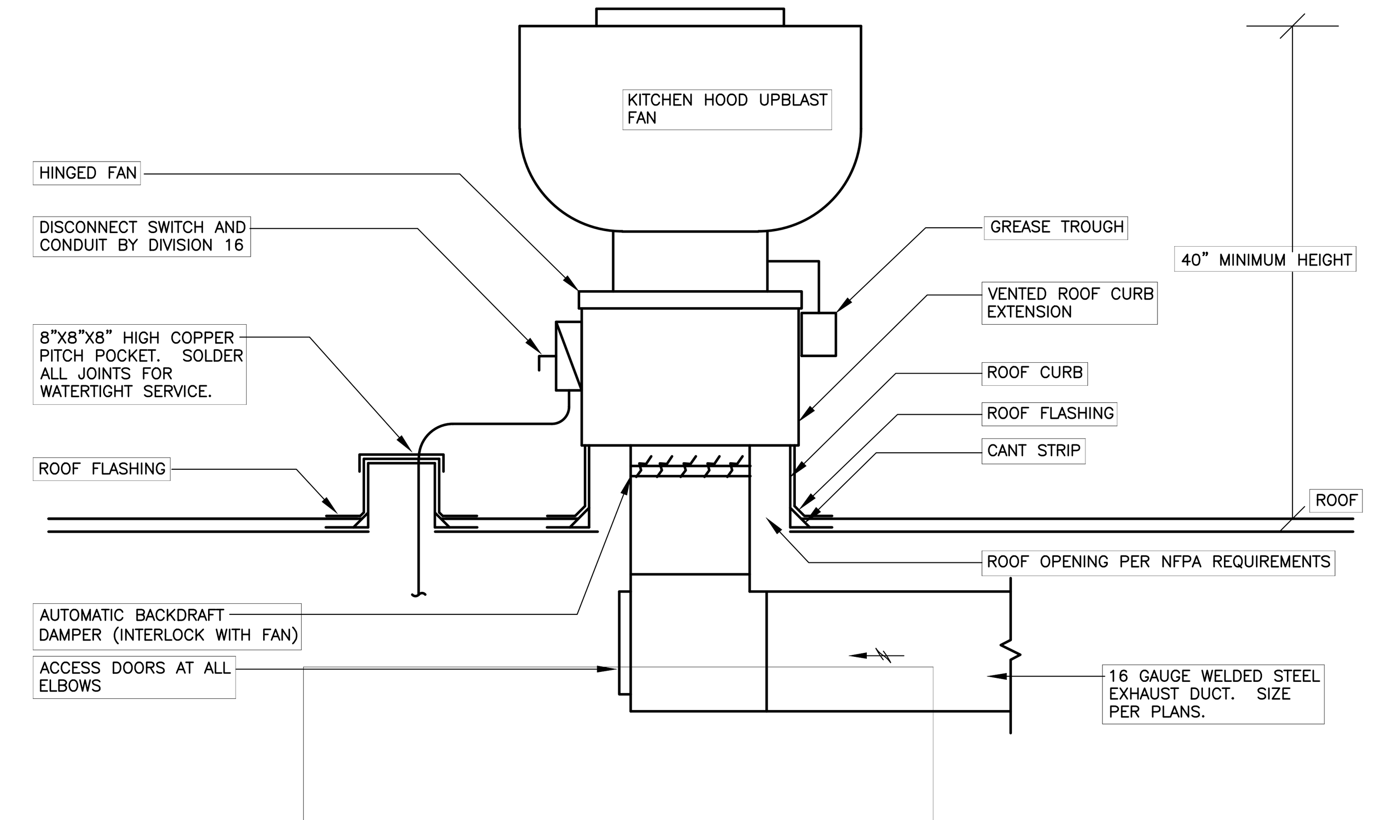
FLAT ROOF VENTILATOR DETAIL
N.T.S.



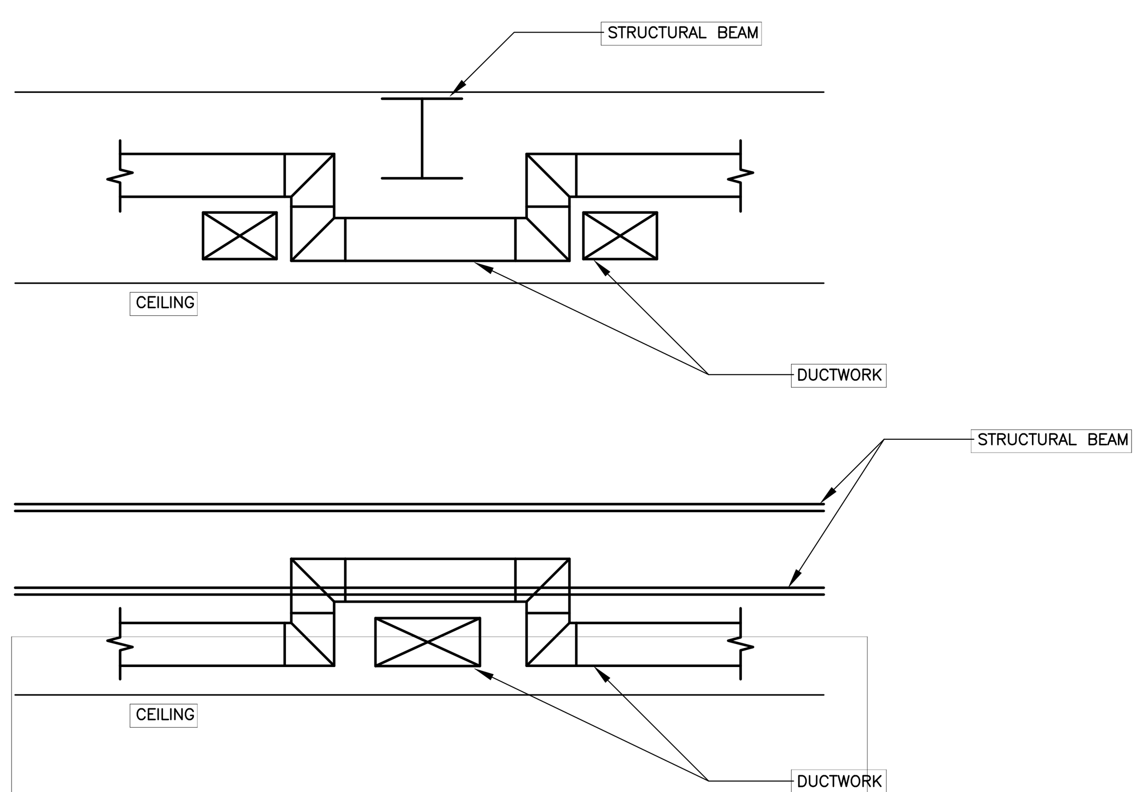
TYPICAL DUCT PENETRATION THROUGH FLOOR
N.T.S.



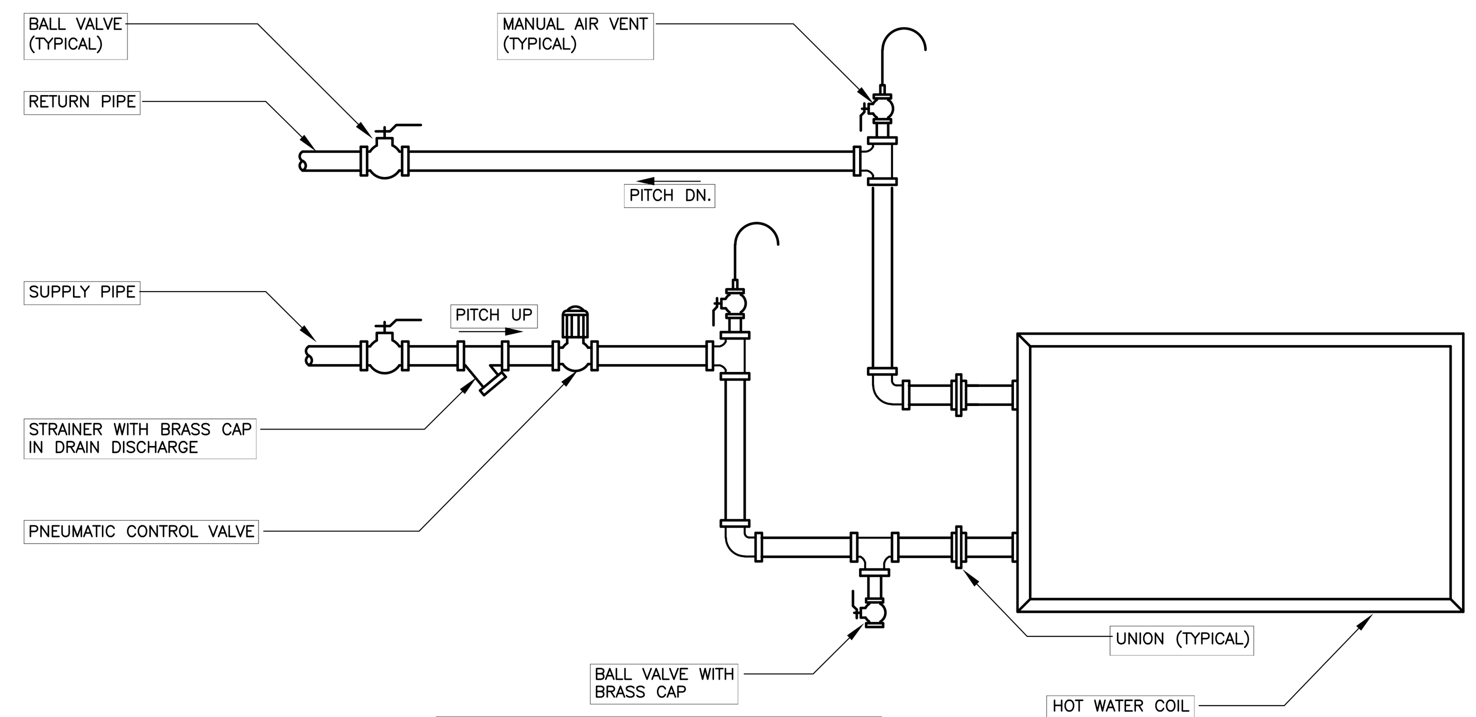
CEILING DIFFUSER FLEX DUCT CONNECTION DETAIL
N.T.S.



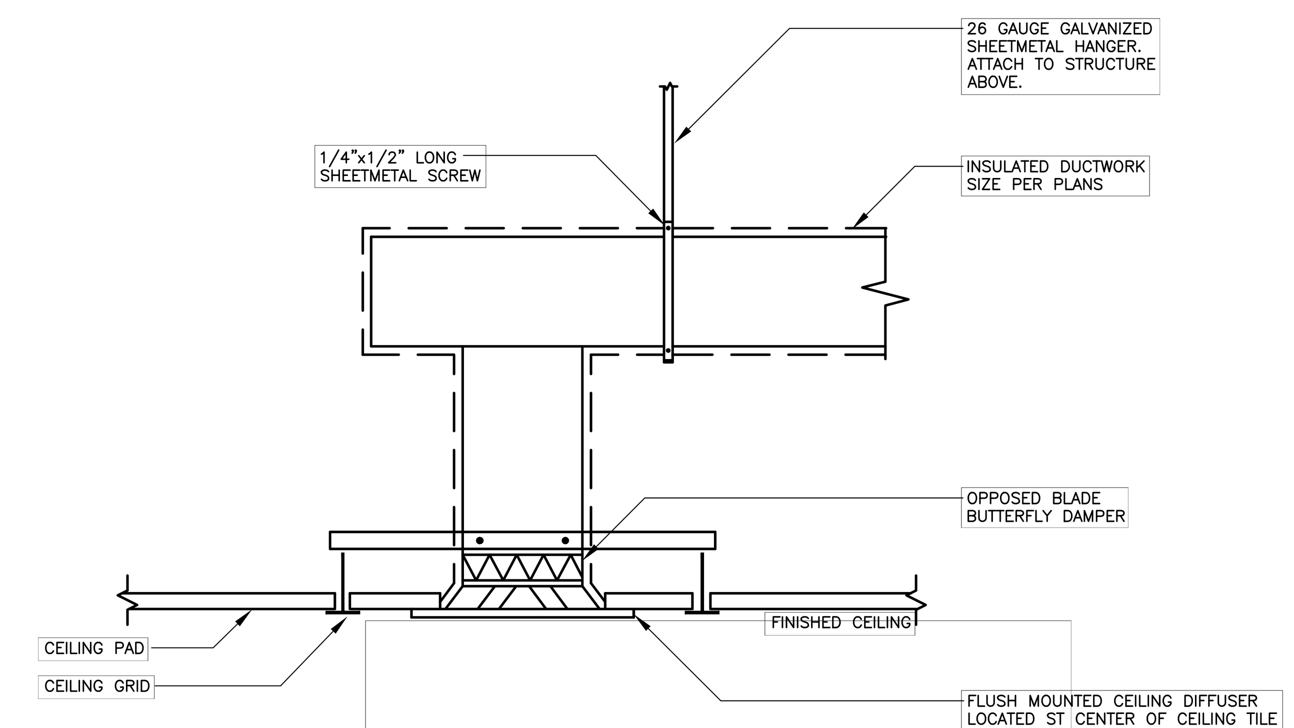
ROOFTOP UPBLAST EXHAUST FAN
N.T.S.



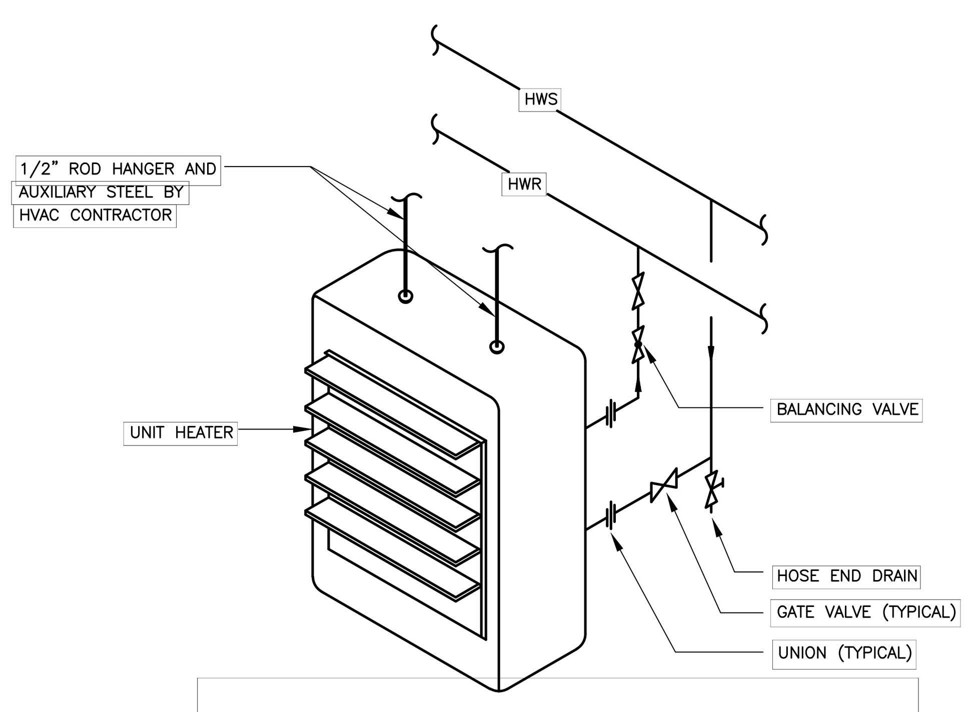
TYPICAL CROSSOVER AT ALL LOCATIONS DETAIL
N.T.S.



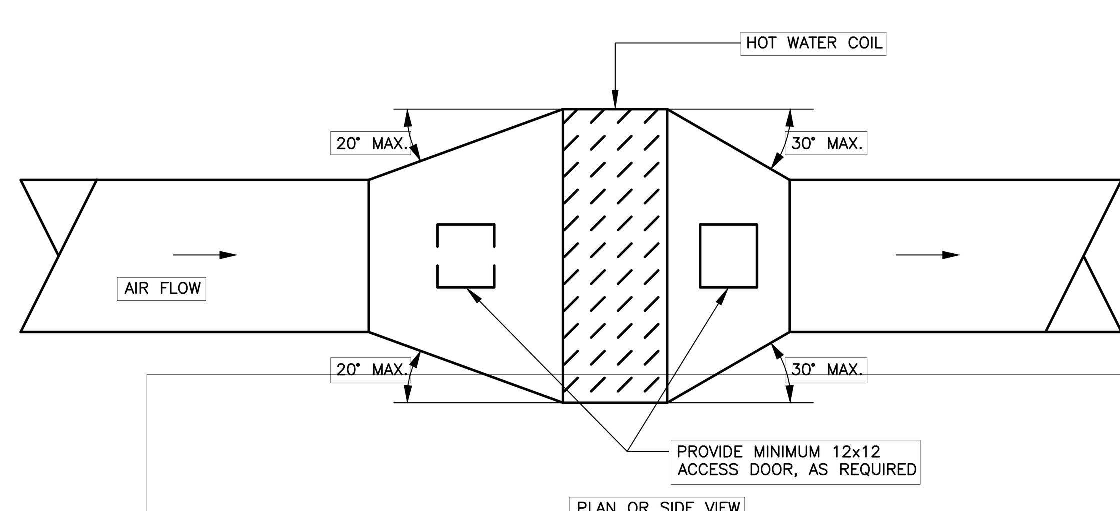
HOT WATER COIL DETAIL
N.T.S.



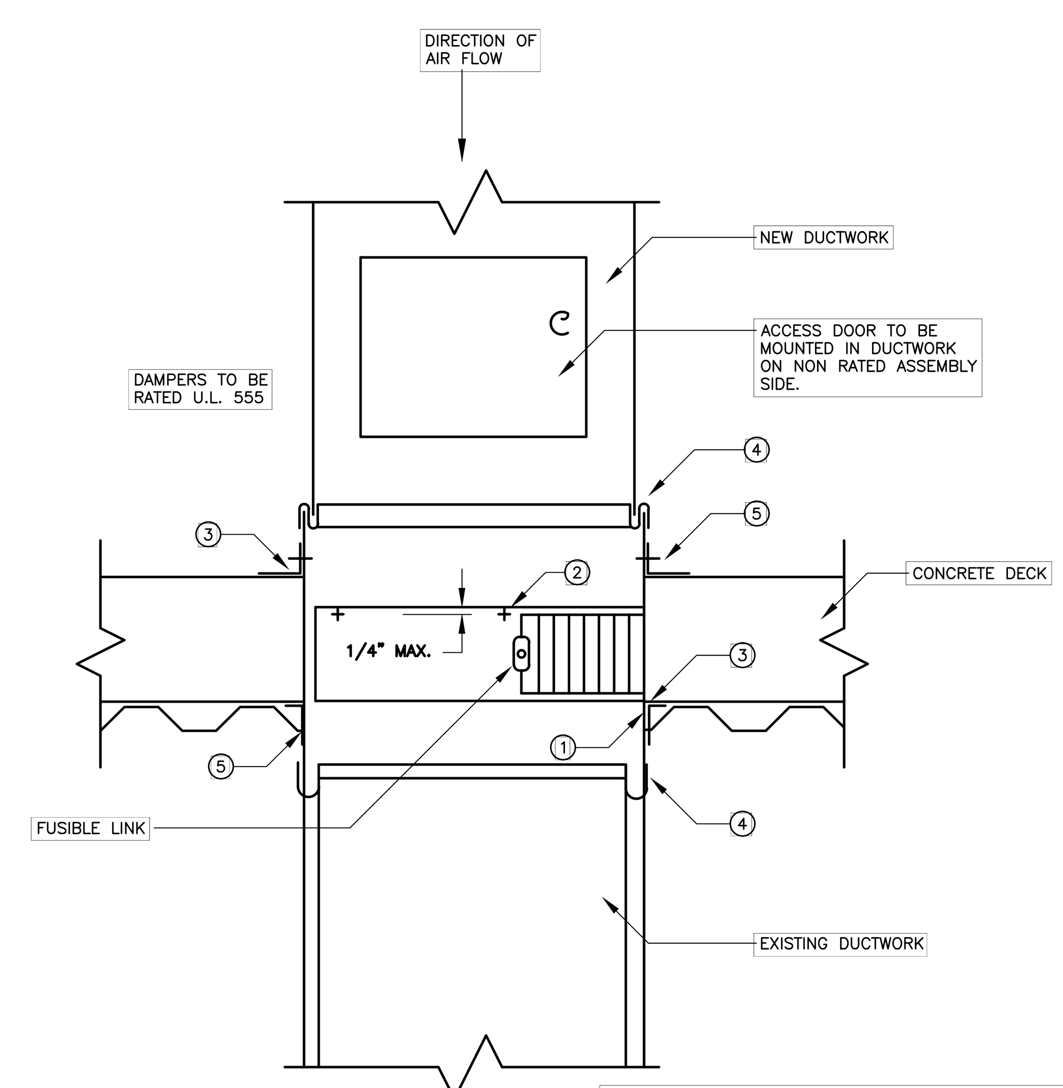
CEILING DIFFUSER DETAIL (HARD DUCT)
N.T.S.



UNIT HEATER HOT WATER PIPING DETAIL
N.T.S.



DUCT TRANSFORMATION WITH EQUIPMENT IN DUCT DETAIL
N.T.S.



NOTES:

1. CLEARANCE BETWEEN THE FLOOR/DECK OPENING AND THE DAMPER/SLEEVE ASSEMBLY SHALL BE 1/8" PER FOOT OF WIDTH AND HEIGHT. MINIMUM CLEARANCE SHALL BE 1/4" FOR ANY SIZE DAMPER/SLEEVE ASSEMBLY. THE MAXIMUM OPENING SHALL NOT EXCEED 1/8" PER FOOT PLUS 1". MOUNTING ANGLES SHALL OVERLAP FLOOR/DECK 1" MINIMUM ON ALL SIDES.
2. THE DAMPER FRAME MAY BE FASTENED TO THE SLEEVE USING #14 SHEET METAL SCREWS SPACED AT A MAXIMUM OF 6" CENTER TO CENTER FOR 3 HR RATED DAMPERS. A MINIMUM OF ONE FASTENER PER SIZE MUST BE USED.
3. MOUNTING ANGLES MUST BE INSTALLED ON THE FLOOR/DECK OPENING AND MUST BE USED ON ALL 4 SIDES OF THE DAMPER/SLEEVE ASSEMBLY (EXCEPTIONS NOTED). MINIMUM MOUNTING ANGLE SIZE IS 1"x1"x18" GAUGE FOR DAMPERS UP TO 18" IN WIDTH OR HEIGHT, 1-1/2"x1/2"x18" GAUGE FOR DAMPERS UP TO 72" WIDTH OR HEIGHT, AND 2"x2"x18" GAUGE FOR LARGER DAMPERS. MOUNTING ANGLES ARE TO BE ATTACHED TO DAMPER/SLEEVE ASSEMBLY USING #14 SHEET METAL SCREWS SPACED AT A MAXIMUM OF 6" CENTER TO CENTER FOR 3" HR RATED DAMPERS. A MINIMUM OF ONE FASTENER PER SIDE MUST BE USED.
4. UL 555 (PGH. 14.4) SLEEVE THICKNESS REQUIREMENT: SLEEVE THICKNESS WHEN USED WITHOUT SLIP CONNECTION SHALL BE A MINIMUM OF 16 GAUGE FOR DAMPERS WITH DIMENSIONS NOT EXCEEDING 24" IN HEIGHT OR 36" IN WIDTH AND A MINIMUM OF 14 GAUGE FOR LARGER DAMPERS. EXCEPTION: SLEEVES OF LESSER THICKNESS MAY BE USED IF ONE OR MORE OF THE FOLLOWING SLIP CONNECTIONS IS LOCATED NO MORE THE 12" FROM THE WALL/FLOOR OPENING: PLAIN "S" SLIP, HEMMED "S" SLIP, STANDING "S" SLIP (ALTERNATE BAR, ANGLE, OR BAR REINFORCED), INSIDE SLIP JOINT OR DOUBLE "S" SLIP. SLEEVE GAUGE MAY NOT BE LESS THAN DUCT GAUGE.
5. SEAL AIRTIGHT THE COMPLETE PERIMETER OF DAMPER FRAME WITHIN ITS SLEEVE WITH APPROVED FIRE RETARDENT MATERIAL.

FIRE DAMPER IN FLOOR DETAIL
N.T.S.

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REVISIONS

NO.	DATE	DESCRIPTION
1	03/30/2018	ADDENDUM #1

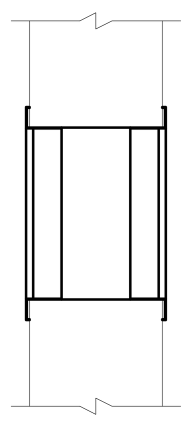
SEAL:

ISSUED FOR: BID
ISSUED DATE: 02.16.2018

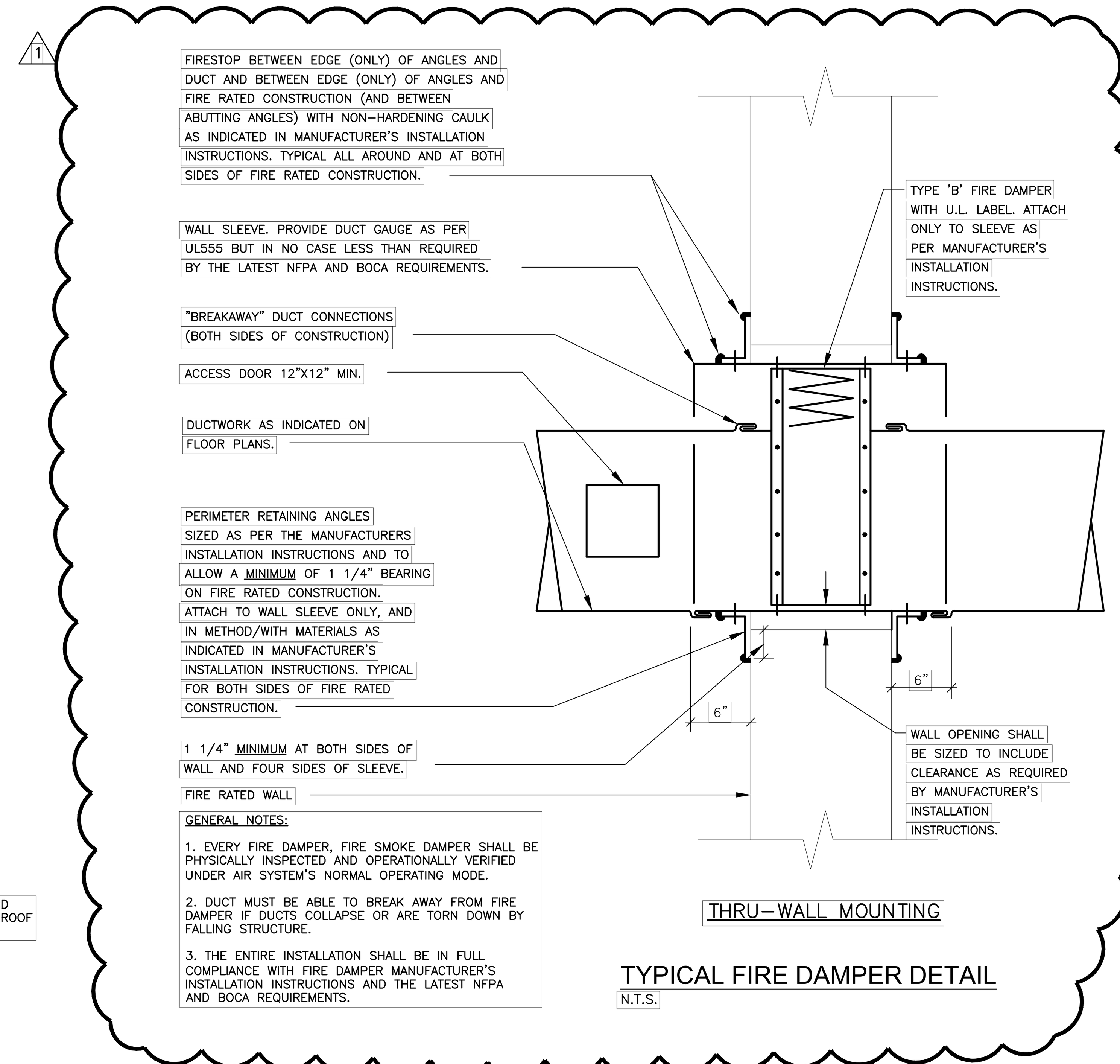
DRAWN BY: IES
CHECKED BY: IES
PROJECT NUMBER: 1416244

DRAWING NAME:
MECHANICAL DETAILS

DRAWING NO:
M200



VENTILATION GRILLE WALL DETAIL
SCALE: N.T.S.



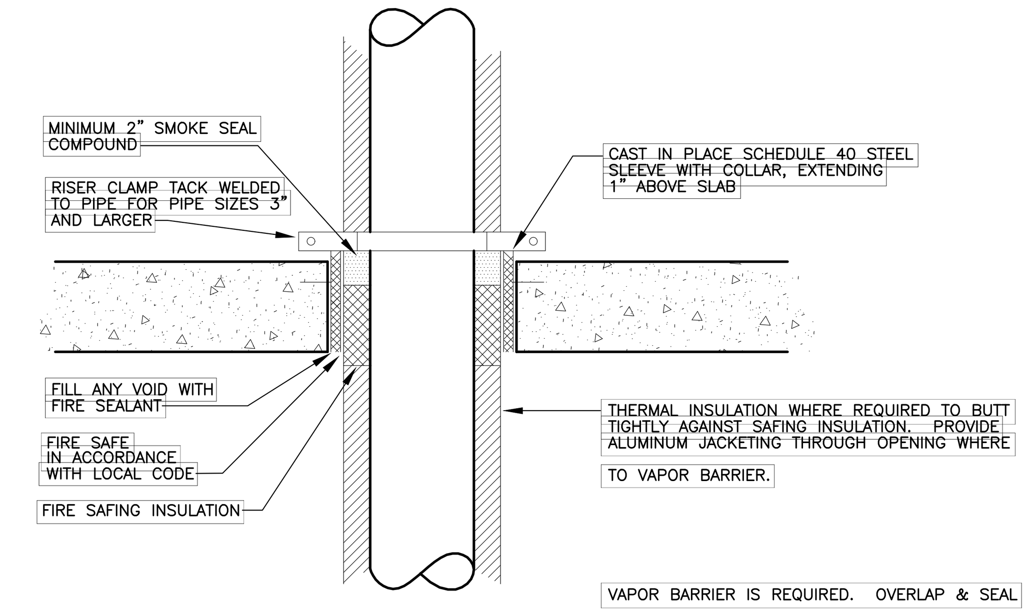
GENERAL NOTES:

1. EVERY FIRE DAMPER, FIRE SMOKE DAMPER SHALL BE PHYSICALLY INSPECTED AND OPERATIONALLY VERIFIED UNDER AIR SYSTEM'S NORMAL OPERATING MODE.

2. DUCT MUST BE ABLE TO BREAK AWAY FROM FIRE DAMPER IF DUCTS COLLAPSE OR ARE TORN DOWN BY FALLING STRUCTURE.

3. THE ENTIRE INSTALLATION SHALL BE IN FULL COMPLIANCE WITH FIRE DAMPER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THE LATEST NFPA AND BOCA REQUIREMENTS.

TYPICAL FIRE DAMPER DETAIL
N.T.S.

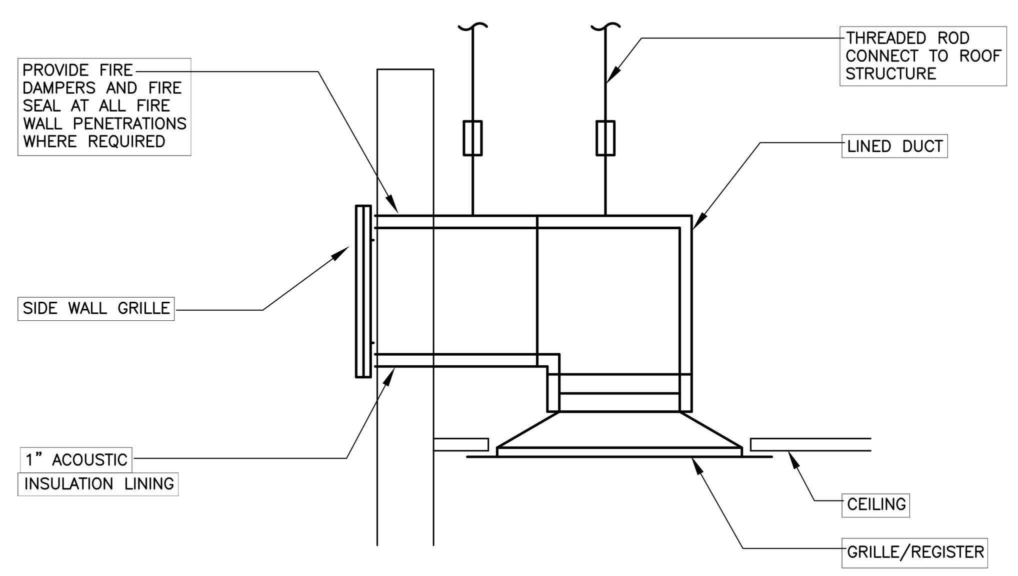


NOTES:

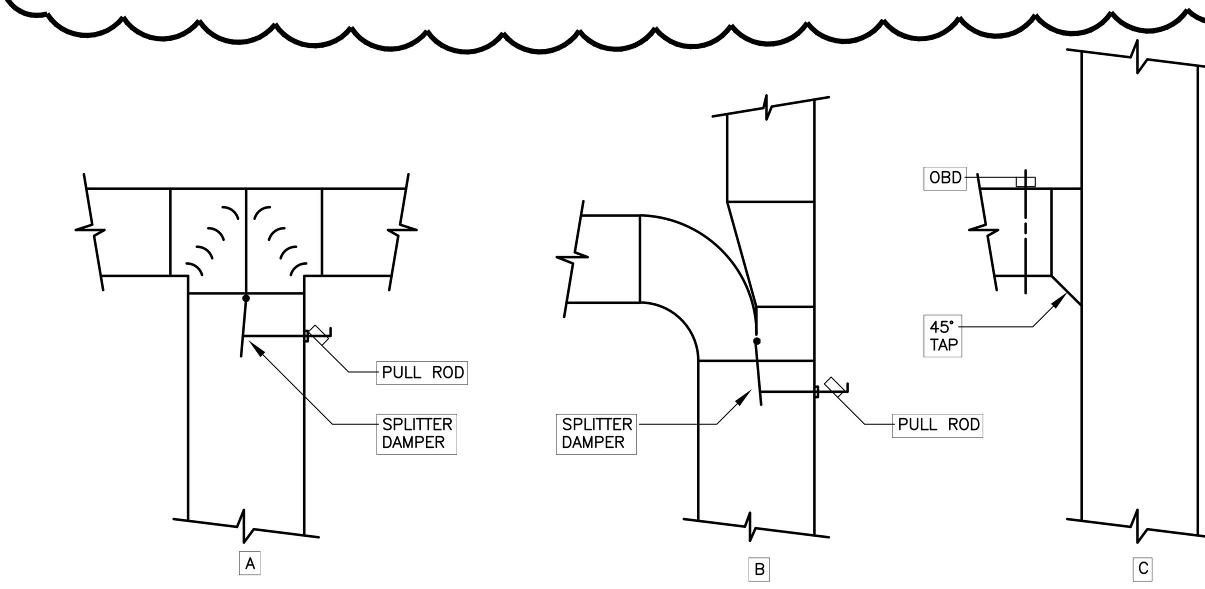
1. SLEEVES TO BE SIZED AS REQUIRED FOR OVERALL PIPE DIAMETER. (INCLUDING INSULATION, WHERE APPLICABLE)

2. RISER CLAMPS FOR COPPER PIPING SHALL BE COPPER PLATED.

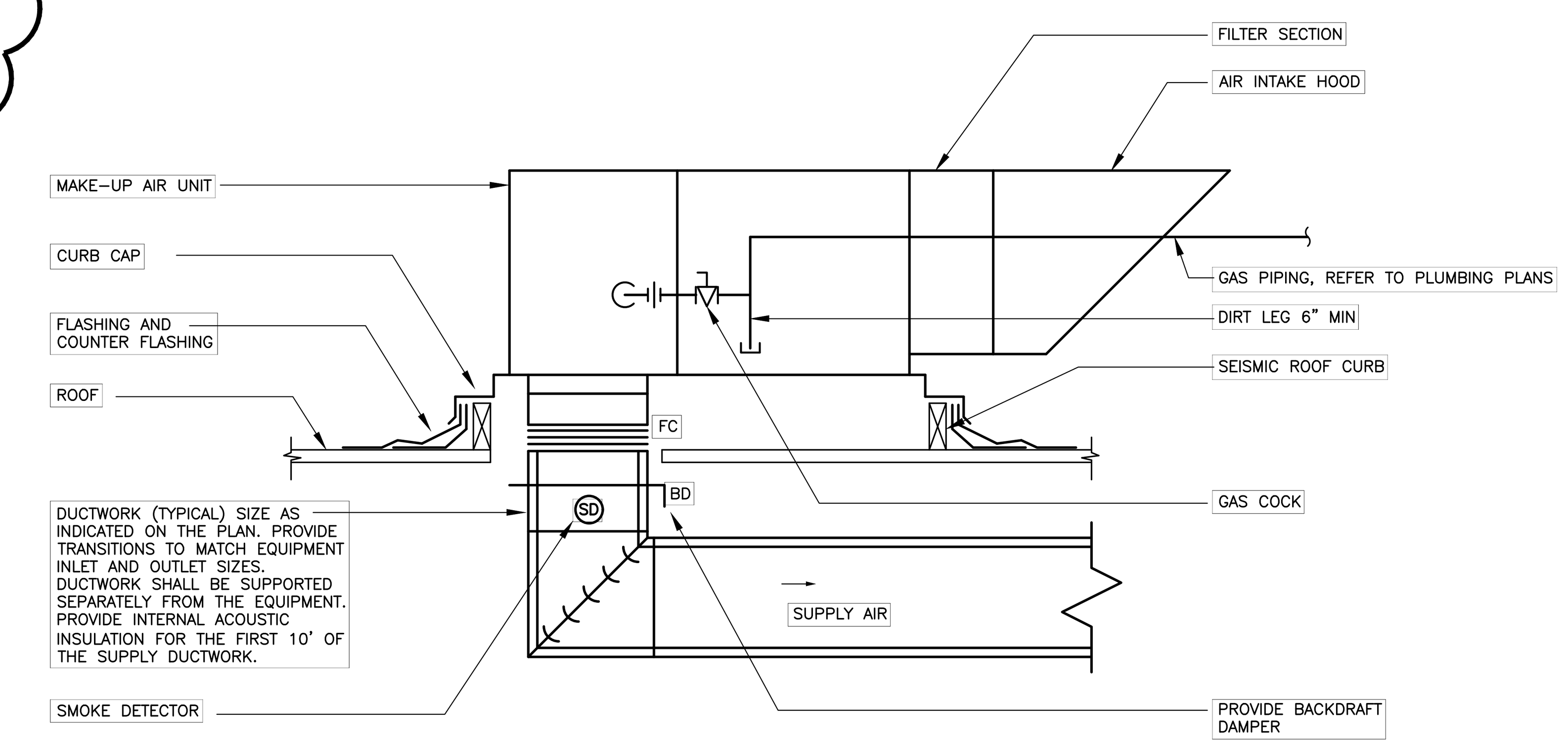
TYPICAL PIPING FLOOR PENETRATION AND RISER SUPPORT DETAIL
N.T.S.



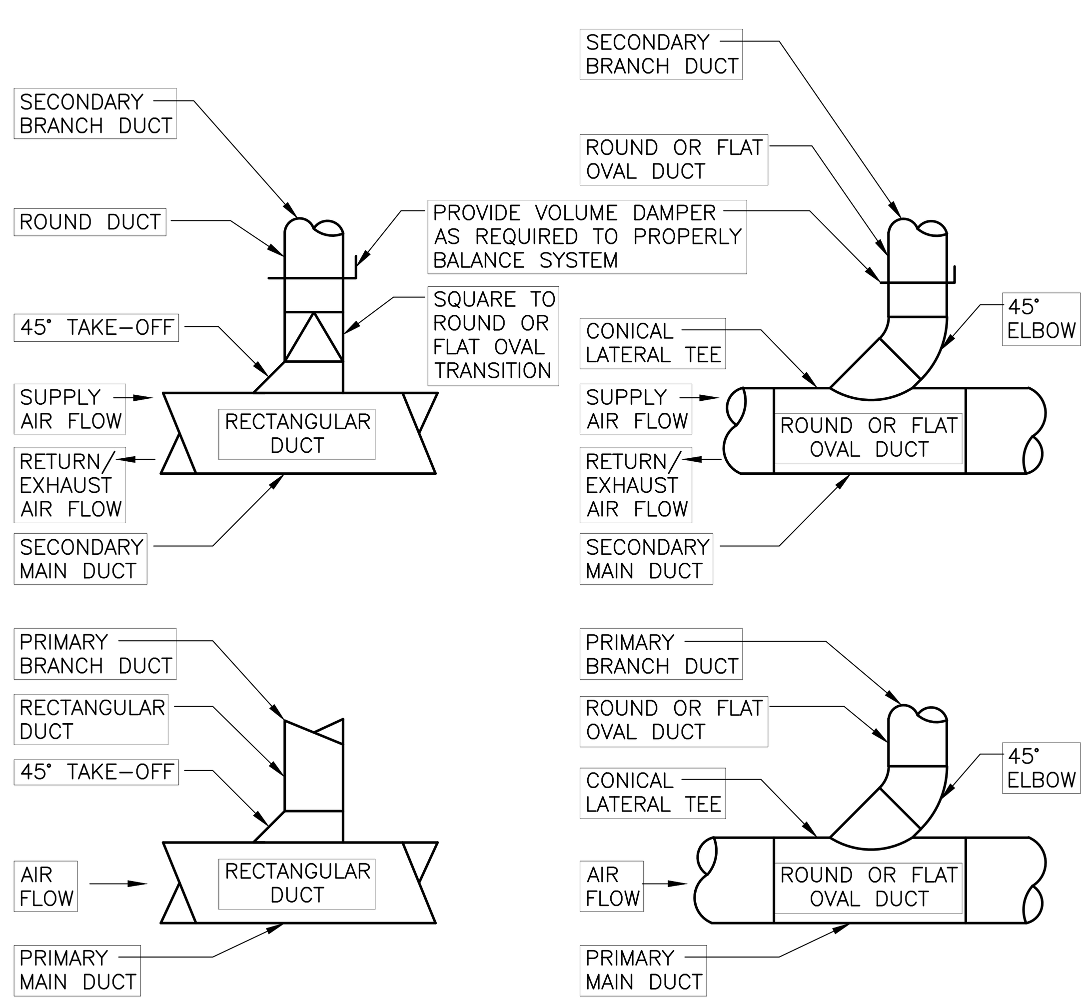
TYPICAL TRANSFER DUCT DETAIL - SIDEWALL
N.T.S.



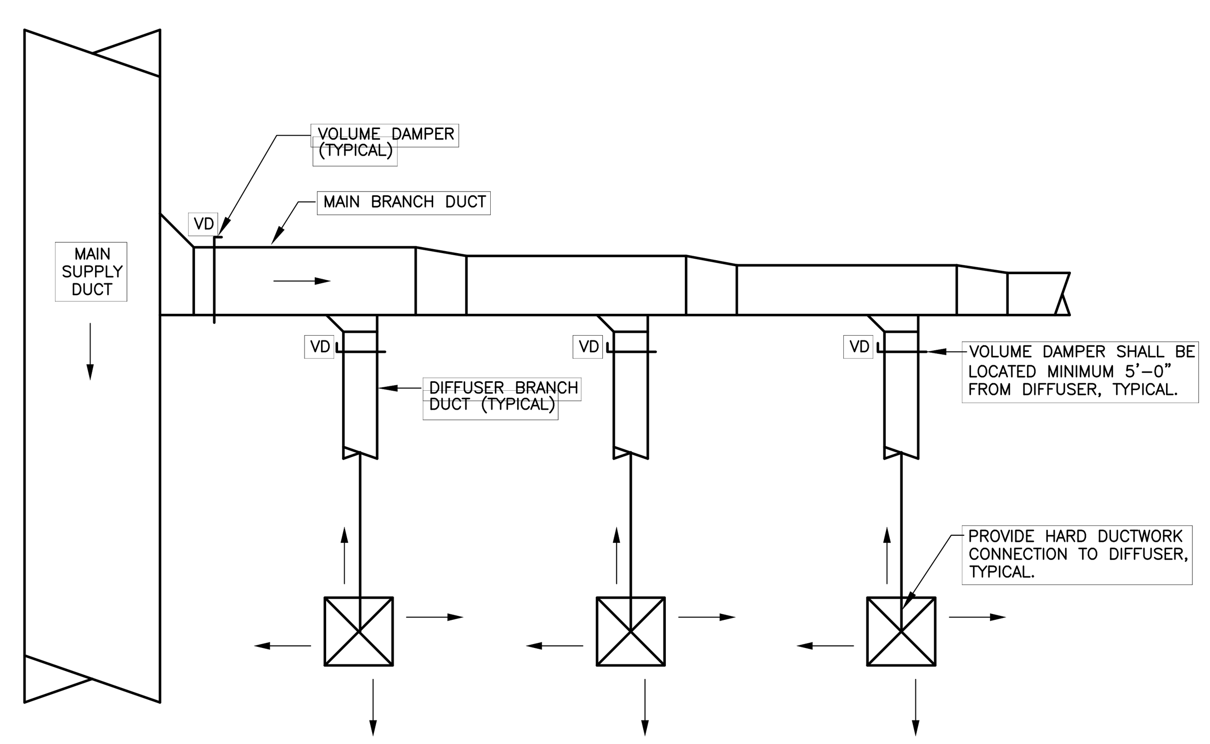
TYPICAL DUCT DETAIL
SCALE: N.T.S.



TYPICAL GAS FIRED MAKE-UP AIR UNIT DETAIL
N.T.S.



BRANCH DUCT TAKE-OFF DETAIL
SCALE: NTS



TYPICAL VOLUME DAMPER LOCATION
N.T.S.

NOTES:

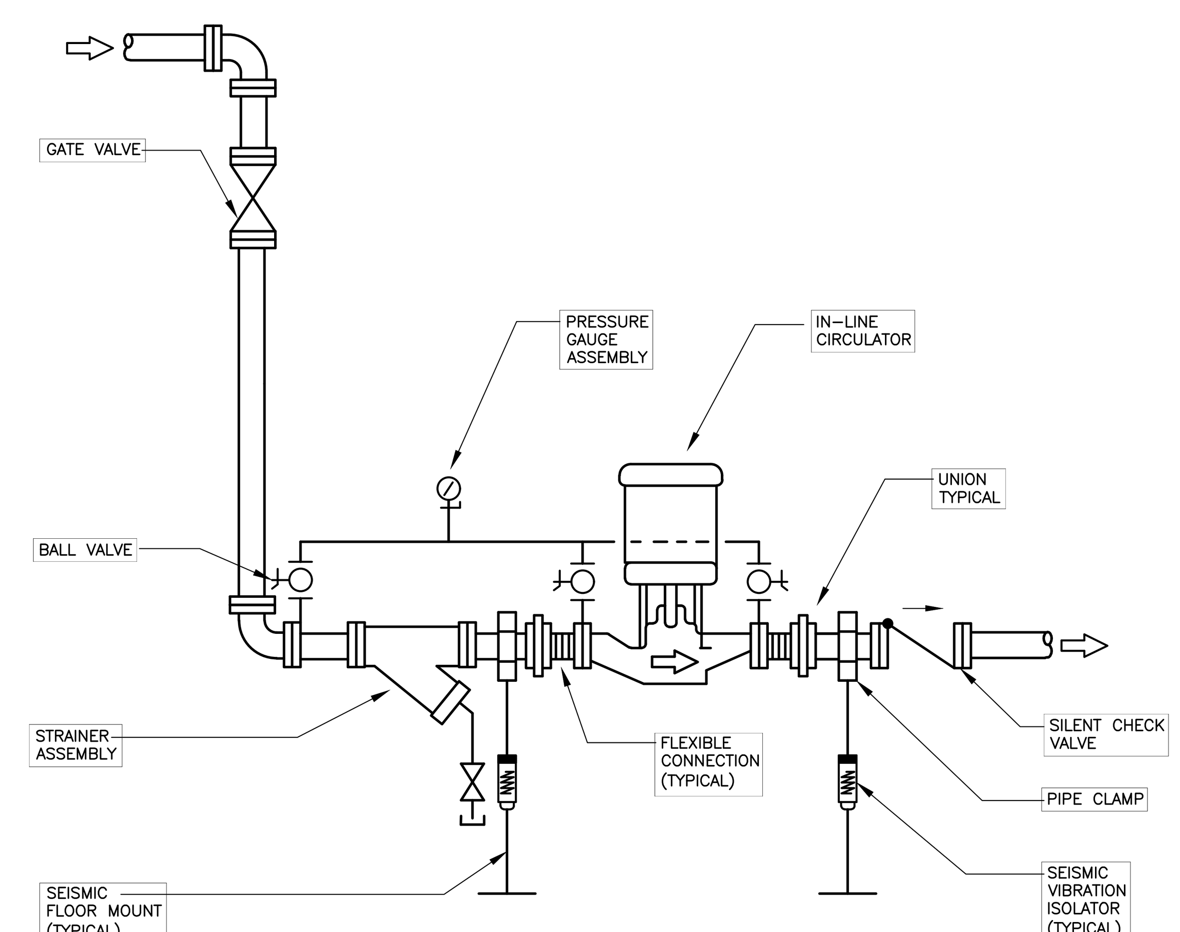
1. PROVIDE VOLUME DAMPERS IN EVERY MAIN SUPPLY BRANCH AND DIFFUSER BRANCH AS SHOWN ABOVE.

2. PROVIDE VOLUME DAMPER IN EVERY MAIN RETURN BRANCH AND DIFFUSER BRANCH.

3. PROVIDE VOLUME DAMPER IN EVERY MAIN EXHAUST BRANCH AND DIFFUSER BRANCH.

4. PROVIDE ADDITIONAL VOLUME DAMPERS AS SHOWN ON CONTRACT DOCUMENTS.

5. PROVIDE ADDITIONAL VOLUME DAMPERS AS REQUIRED FOR BALANCING OF SUPPLY, RETURN AND EXHAUST AIR SYSTEMS.



NOTES:

1. PROVIDE NEW CHILLED WATER BOOSTER PUMP, CHWP-1, WITH REQUIRED SUPPORTS, ISOLATION, PIPING & PIPING SPECIALTIES, VFD, DIFFERENTIAL PRESSURE SENSOR AND OTHER REQUIRED MATERIALS AND CONTROLS AS ADD ALTERNATE #1.

2. SEE MECHANICAL SCHEDULES DRAWING M204 FOR MORE INFORMATION.

INLINE PUMP PIPING (FLOOR MOUNT) DETAIL
N.T.S.

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DRAWING NAME:
MECHANICAL DETAILS

DRAWING NO:
M201

ADD ALTERNATE #1 - PUMP SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	LOCATION	SYSTEM SERVED	WATER/ GLYCOL	CAPACITY GPM	CAPACITY FT OF HEAD	WATER TEMP (F°)	FLANGE S/D	ELECTRICAL DATA	POWER HP/BHP	MOTOR SPEED	NOTES
CHWP-1	BELL & GOSSETT E-90 4x4x9.5B	IL	MECHANICAL ROOM	CHILLED WATER	WATER	318	52	44	7.5/7.5	208/3/60	7.5/5.74	1800	1,2,3,4

TYPES:
IL = IN-LINE PUMP
FM = FLOOR MOUNTED

NOTES:
1. PROVIDE WITH VARIABLE FREQUENCY DRIVE (VFD).
2. PROVIDE WITH DIFFERENTIAL PRESSURE SENSOR.
3. PROVIDE WITH STRAINER, CHECK VALVE AND SHUT-OFF VALVES (SEE DETAIL ON M201).
4. PROVIDE WITH DISCONNECT SWITCH.

HOT WATER UNIT HEATER SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	LOCATION	COIL CAPACITY MBH	COIL FLOW GPM	WATER P.D. FT	EWT (DEG F°)	LWT (DEG F°)	CFM	OUTLET VELOCITY (FPM)	ELECTRICAL DATA HP-VOLT-PH	NOTES
UH-1	DAIKIN UHH-86	H	LOADING DOCK	61,900	6.2	0.79	200	180	1,340	710	1/10-215-1	1,2,3

H = HORIZONTAL

NOTES:
1. TOTALLY ENCLOSED MOTOR WITH BUILT-IN THERMAL OVERLOAD PROTECTION.
2. INTERMITTENT FAN OPERATION CONTROL VIA THERMOSTAT (60 DEG F, FIELD ADJUSTABLE).
3. PROVIDE WITH DISCONNECT SWITCH.

GRILLE, DIFFUSER AND REGISTER SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	DUTY	TYPE	BORDER TYPE	CONSTRUCTION OBD	CONSTRUCTION FRAME	CONSTRUCTION BLADES	NOTES
S1	TITUS TDCA	SUPPLY	D.D.	TYPE 3 LAY-IN	ALUMINUM	ALUMINUM	ALUMINUM	1,2,4
S2	TITUS FL-15-JT	SUPPLY	L.S.	TYPE 22	ALUMINUM	ALUMINUM	ALUMINUM	2,5
S3	TITUS S300FL	SUPPLY	S.W.	RADIUS	ALUMINUM	ALUMINUM	ALUMINUM	2,3,4
S4	TITUS FL-10-JT	SUPPLY	L.S.	TYPE 22	ALUMINUM	ALUMINUM	ALUMINUM	2,5
R1	TITUS PAR	RETURN	P.F.	TYPE 3 LAY-IN	ALUMINUM	ALUMINUM	ALUMINUM	2,4
R2/T1/E1	TITUS 350FL	RETURN/ TRANSFER	L.F.	TYPE 1 SURFACE MOUNT	ALUMINUM	ALUMINUM	ALUMINUM	2,4

TYPES:
L.S. – LINEAR SLOT
D.D. – DIRECTIONAL DIFFUSER
L.F. – LOUVERED FACE
S.C. – SIDE WALL
P.F. – PERFORATED FACE

NOTES:
1. OPPOSED BLADE DAMPER.
2. FACE VELOCITY 600 FPM MAX.
3. DOUBLE DEFLECTION (ADJUSTABLE).
4. NC LEVEL NOT TO EXCEED 25.
5. INSULATED PLENUM BOX.

DESIGNATIONS:
SYMBOL
NECK SIZE
S1-150
6"ø
FLOW (CFM)
TYPICAL RDG
SLOT WIDTH
S1-150
1.0"-4
QTY. OF SLOTS
LINEAR SLOT

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AMB	AMBIENT
AMP	AMPERE (AMP, AMPS)
BAL	BALANCE
BTU	BRITISH THERMAL UNIT
CAP	CAPACITY
CFM	CUBIC FEET PER MINUTE
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CLG	COOLING
CU	CONDENSING UNIT
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
°F	DEGREES FAHRENHEIT
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER
FPM	FEET PER MINUTE
FT	FEET
FTR	FIN TUBE RADIATION
GPM	GALLONS PER MINUTE
HWC	HOT WATER COIL
HP	HORSE POWER
HTR	HEATING RETURN (HOT WATER)
HTS	HEATING SUPPLY (HOT WATER)
HTG	HEATING
Hz	FREQUENCY
IN.	INCH
IN. WG	INCHES WATER GAUGE
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MBH	BTU PER HOUR (THOUSAND)
N.T.S.	NOT TO SCALE
O.A.	OUTSIDE AIR
OED	OPEN END DUCT
PD	PRESSURE DROP
PH	PHASE
PSI	POUNDS PER SQUARE INCH
RDG	REGISTER DIFFUSER GRILLE
RET	RETURN
RPM	ROTATIONS PER MINUTE
SQ.FT.	SQUARE FEET
SUP	SUPPLY
TYP	TYPICAL
UH	UNIT HEATER
VD	VOLUME DAMPER
VIF	VERIFY IN FIELD
WB	WET BULB
WP	WORKING PRESSURE

MECHANICAL LEGEND

DIFFUSER/GRILLE – SUPPLY
GRILLE/REGISTER – RETURN
GRILLE/REGISTER – EXHAUST
ROUND DUCT UP
ROUND DUCT DN
SIDEWALL GRILLE/REGISTER – SUPPLY/RETURN/EXHAUST
LINEAR SLOT DIFFUSER/BAR GRILLE – SUPPLY
AIR FLOW DIRECTION INDICATOR – SUPPLY
AIR FLOW DIRECTION INDICATOR – RETURN
DUCT RISER – SUPPLY/COMBUSTION AIR
DUCT DROP – SUPPLY/COMBUSTION AIR
DUCT RISER – RETURN/EXHAUST
DUCT DROP – RETURN/EXHAUST
T THERMOSTAT
VOLUME DAMPER
MOTORIZED DAMPER
REDUCER
LTWF LOW TEMPERATURE HOT WATER SUPPLY – HEATING
LTWR LOW TEMPERATURE HOT WATER RETURN – HEATING
CHWF CHILLED WATER SUPPLY
CHWR CHILLED WATER RETURN
DIRECTION OF FLOW
PIPE DOWN
PIPE DROP
PIPE RISE
PLUGGED OR CAPPED PIPE
EXISTING TO BE REMOVED
CONNECT TO EXISTING
TEMPERATURE GAUGE
PRESSURE GAUGE
OR STRAINER – 'Y' TYPE
UNION
BALANCING VALVE
BALL VALVE
CHECK VALVE
SOLENOID VALVE

SEQUENCE OF OPERATION

GENERAL

A. PROVIDE ALL CONTROLS, LOW VOLTAGE CONTROL WIRING AND ACCESSORIES NECESSARY TO ACCOMPLISH THE SEQUENCE OF OPERATION AS INDICATED BELOW. POWER WIRING SHALL BE PROVIDED BY DIVISION 16.

KEF-1-4, KEF-5, KEF-6, KEF-7

1. DURING KITCHEN HOOD OPERATION, KITCHEN EXHAUST FANS SHALL RUN CONTINUOUSLY AT DESIGN EXHAUST CFM. EACH FAN SHALL BE INTERLOCKED WITH ITS ASSOCIATED MAKE-UP AIR UNIT.

KEF-8, KEF-9

1. DURING OPERATION, DISHWASHER AND HEARTH OVEN EXHAUST FANS SHALL RUN CONTINUOUSLY AT DESIGN EXHAUST CFM.

MAU-1-4, MAU-5, MAU-6, MAU-7

1. DURING KITCHEN HOOD OPERATION, MAKE-UP AIR UNITS SHALL RUN CONTINUOUSLY AT DESIGN MAKE-UP AIR CFM. EACH MAU SHALL BE INTERLOCKED WITH ITS ASSOCIATED KITCHEN EXHAUST FAN.

EUH-1, EUH-2

1. ELECTRIC UNIT HEATERS SHALL MAINTAIN DESIRED SPACE TEMPERATURE SETTING VIA INTEGRAL THERMOSTATS.

HC-1, HC-2, HC-3

1. UPON CALL FOR HEATING, SPACE PNEUMATIC THERMOSTATS SHALL MODULATE HEATING COIL CONTROL VALVE TO MAINTAIN DESIRED SPACE TEMPERATURE.

UH-1

1. UPON CALL FOR HEATING, SPACE THERMOSTAT SHALL OPERATE UH-1 FAN UNTIL DESIRED SPACE TEMPERATURE IS REACHED. HOT WATER SHALL CONTINUOUSLY CIRCULATE THROUGH UH-1 HEATING COIL IN ORDER TO PREVENT FREEZING.

1

GRV-1

1. ROOF MOUNTED GRAVITY RELIEF HOOD SHALL PREVENT OVER-PRESSURIZATION OF BUILDING DURING TIMES WHEN EXHAUST HOODS ARE NOT OPERATING. THE HOOD GRAVITY BACKDRAFT DAMPER SHALL OPEN IF THE BUILDING SPACE PRESSURE RISES PAST 0.10" WG.

ADD ALTERNATE #1: CHWP-1

1. DURING COOLING SEASON, VARIABLE SPEED, CHILLED WATER BOOSTER PUMP SHALL MAINTAIN DIFFERENTIAL PRESSURE (FIELD DETERMINED) BETWEEN PUMP DISCHARGE AND COOLING COIL CONTROL VALVE.

EXISTING AIR HANDLING UNIT, AC-1

1. REFER TO EXISTING SEQUENCE OF OPERATION. RE-BALANCE MAXIMUM OUTDOOR AIR AS SPECIFIED IN PLANS.

FAN SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	LOCATION	SERVING	TYPE	AIR FLOW CFM	ESP IN. WS.	FAN RPM	DRIVE	CONTROL	BHP (W)	HP (W)	ELECTRICAL V-PH-RPM	SONES (LWA)	NOTES
KEF-1-4	CAPTIVEAIRE NCA36FA	ROOF	HOODS #1-4	UPBLAST	9,463	1.4	587	BELT	SWITCH	4.457	7.5	208-3-1750	22.0	1,2,3,4,5,6,7,8,9
KEF-5	CAPTIVEAIRE NCA16FA	ROOF	HOOD #5	UPBLAST	3,623	1.2	1241	BELT	SWITCH	1.436	2.0	208-3-1700	18.3	1,2,3,4,5,6,7,8,9
KEF-6	CAPTIVEAIRE NCA24FA	ROOF	HOOD #6	UPBLAST	4,118	1.2	800	BELT	SWITCH	1.766	3.0	208-3-1730	15.1	1,2,3,4,5,6,7,8,9
KEF-7	CAPTIVEAIRE NCA16FA	ROOF	HOOD #7	UPBLAST	3,180	1.2	1167	BELT	SWITCH	1.215	1.5	208-3-1710	14.6	1,2,3,4,5,6,7,8,9
KEF-8	GREENHECK USGF-140HP-4	ROOF	HEARTH OVEN	UPBLAST	685	1.0	1388	BELT	SWITCH	0.250	0.25	208-1-1725	13.1	1,2,3,4,5,6,7,8,10
KEF-9	GREENHECK USGF-140HP-4	ROOF	DISHWASHER	UPBLAST	600	0.6	1124	BELT	SWITCH	0.140	0.25	208-1-1725	8.0	1,2,3,4,5,6,7,8,11

NOTES:
1. PROVIDE WITH UNIT MOUNTED DISCONNECT SWITCH.
2. PROVIDE WITH NEMA PREMIUM EFFICIENCY MOTOR.
3. PROVIDE WITH CLEANOUT PORT.
4. PROVIDE WITH WIRING PIGTAIL.
5. PROVIDE WITH ROOF CURB.
6. PROVIDE FAN WITH HINGED CURB CAP.
7. PROVIDE GREASE TROUGH WITH DRAIN CONNECTION.
8. PROVIDE WITH THERMAL OVERLOAD PROTECTION.
9. INTERLOCK EXHAUST FAN WITH ASSOCIATED MAKE-UP AIR UNIT & EXISTING FIRE ALARM SYSTEM.
10. INTERLOCK EXHAUST FAN WITH HEARTH OVEN OPERATION & EXISTING FIRE ALARM SYSTEM.
11. INTERLOCK EXHAUST FAN WITH DISHWASHER OPERATION & EXISTING FIRE ALARM SYSTEM.

MAKE-UP AIR UNIT SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	LOCATION	SERVING	CFM	MINIMUM CFM O.A.	ESP IN. WG	EAT DEG F°	LAT DEG F°	THERMAL EFFICIENCY %	HEATING SOURCE	HEATING CAPACITY MBH INPUT/OUTPUT	FILTER TYPE # / SIZE	OPERATING WIEGHT LBS.	ELECTRICAL DATA HP-VOLT-PH	NOTES
MAU-1-4	GREENHECK DGX-P120-H32	ROOF	HOODS #1-4	7,580	7,580	0.50	0°F	70°F	92.0	NATURAL GAS	622.9/573	10/20x25x2	1,515	7.5-208-3	1,2,3,4,5,6,7,8,9, 10,11,12,13
MAU-5	GREENHECK DGX-P114-H12	ROOF	HOOD #5	2,898	2,898	0.75	0°F	70°F	92.0	NATURAL GAS	238.1/219.1	4/16x20x2	834	5-208-3	1,2,3,4,5,6,7,8,9, 10,11,12,13
MAU-6	GREENHECK DGX-P114-H22	ROOF	HOOD #6	3,336	3,336	0.50	0°F	70°F	92.0	NATURAL GAS	274.1/252.2	6/20x20x2	1,148	5-208-3	1,2,3,4,5,6,7,8,9, 10,11,12,13
MAU-7	GREENHECK DGX-P114-H12	ROOF	HOOD #7	2,480	2,480	0.50	0°F	70°F	92.0	NATURAL GAS	203.8/187.5	4/16x20x2	782	1.5-208-3	1,2,3,4,5,6,7,8,9, 10,11,12,13

NOTES:
1. PROVIDE WITH UNIT MOUNTED DISCONNECT SWITCH.
2. PROVIDE WITH NEMA PREMIUM EFFICIENCY MOTOR.
3. PROVIDE INTAKE END WEATHERHOOD WITH ALUMINUM MESH SCREEN.
4. PROVIDE WITH INLET DAMPER.
5. PROVIDE WITH SEISMIC ROOF CURB.
6. PROVIDE UNIT WITH DOUBLE WALL INSULATION.
7. PROVIDE UNIT WITH HINGED ACCESS.
8. PROVIDE UNIT WITH VFD CONTROL.
9. PROVIDE WITH DIRTY FILTER SWITCH.
10. PROVIDE WITH DISCHARGE AIR TEMPERATURE SENSOR.
11. PROVIDE WITH REMOTE KITCHEN CONTROL PANEL.
12. PROVIDE WITH MINIMUM MERV 13 AIR FILETERS.
13. INTERLOCK MAKE-UP AIR UNIT WITH ASSOCIATED KITCHEN EXHAUST FAN.

MECHANICAL DEMOLITION NOTES

1. THE MECHANICAL CONTRACTOR SHALL REMOVE ALL MECHANICAL EQUIPMENT, ACCESSORIES, CONTROLS AND ASSOCIATED PIPING AS SHOWN OR INDICATED ON THE DRAWINGS.
2. NO EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED AND OR ABANDONED SHALL REMAIN.
3. THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.
4. ANY SYSTEMS OR EQUIPMENT TO REMAIN ACTIVE DURING RENOVATION SHALL BE KEPT IN OPERATION BY PROVIDING TEMPORARY CONNECTIONS AS REQUIRED UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.
5. THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER, CM, AND OR GENERAL CONTRACTOR ANY AND ALL PHASING OF THE MECHANICAL DEMOLITION WORK IN ORDER TO SATISFY THE CONSTRUCTION SCHEDULE AND OWNERS OCCUPANCY REQUIREMENTS.
6. ANY MECHANICAL EQUIPMENT TO BE REMOVED AND REUSED OR TURNED OVER TO THE OWNER, AT OWNERS REQUEST, OR AS INDICATED ON THE DRAWINGS SHALL BE CAREFULLY REMOVED AND STORED TO PREVENT DAMAGE.
7. THE MECHANICAL CONTRACTOR SHALL ALSO REVIEW THE ARCHITECTURAL DEMOLITION DRAWINGS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
8. ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED AND APPROVED WITH THE OWNER IN ADVANCE PRIOR TO COMMENCEMENT OF ANY WORK.
9. THE MECHANICAL CONTRACTOR SHALL COORDINATE HIS DEMOLITION WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID CONFLICTS.

MECHANICAL GENERAL NOTES

1. THESE GENERAL NOTES ARE APPLICABLE TO ALL MECHANICAL DRAWINGS.
2. DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL INTENT OF WORK. SEE DETAILS, SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. MECHANICAL CONTRACTOR MUST REVIEW DRAWINGS OF THE OTHER TRADES AS PART OF THIS CONTRACT FOR ADDITIONAL WORK REQUIRED AND OR COORDINATION OF HIS WORK FOR OPERATIONS OR CONNECTIONS TO OTHER SYSTEMS.
4. THE PREFERRED HVAC CONTROLS VENDOR SHALL BE "SIEMENS". 1

PRE-CONSTRUCTION AIR FLOW TEST

CONTRACTOR SHALL PERFORM PRE-DEMOLITION AND CONSTRUCTION AIR FLOW & STATIC PRESSURE TESTS OF EXISTING AIR HANDLING UNIT, AC-1, SUPPLY FAN, S-1, AND RETURN FAN, R-1. ASSOCIATED MAIN SUPPLY DUCTWORK IN EXISTING STORAGE AREA SHALL ALSO BE TESTED FOR AVAILABLE AIR FLOW. CONTRACTOR SHALL SUBMIT A FULL REPORT DOCUMENTING FINDINGS UPON COMPLETION OF TESTING.

ELECTRIC UNIT HEATER SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	LOCATION	AIR FLOW	BTUH	ELECTRIC DATA AMPS-V-PH	NOTES
EUH-1	QMARK MUH0321	S	BASEMENT NEW SPRINKLER ROOM	350	7,500	11.0-208-1	1,2
EUH-2	QMARK CWH1151DSAF	R	VESTIBULE	65	5,120	12.5-120-1	1,2

UNIT HEATER TYPES:
S – SUSPENDED
R – RECESSED
NOTES:
1. PROVIDE WITH INTERNAL THERMOSTAT.
2. PROVIDE WITH DISCONNECT SWITCH.

HOT WATER REHEAT COIL SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	AREA SERVED	TYPE	AIR FLOW (CFM)	TOTAL CAPACITY MBH	EAT DEG F° DB	LAT DEG F° DB	WATER FLOW GPM	WATER P.D. FT. HD	EWT/LWT DEG F°	AIR P.D. IN. WG	NOTES
HC-1	MCQUAY BOOSTER COIL	STORAGE/ DISHWASHING	DM	980	29.7	57	85	3.0	0.50 MAXIMUM	160/140	0.40 MAXIMUM	1,2
HC-2	MCQUAY BOOSTER COIL	EXISTING DINING AREA	DM	4,100	124.5	57	85	12.5	0.50 MAXIMUM	160/140	0.40 MAXIMUM	1,2
HC-3	MCQUAY BOOSTER COIL	NEW ADDITION	DM	3,600	109.4	57	85	11.0	0.50 MAXIMUM	160/140	0.40 MAXIMUM	1,2

UNIT HEATER TYPES:
DM – DUCT MOUNTED
NOTES:
1. PROVIDE WITH PNEUMATIC CONTROL VALVE. CONNECT TO EXISTING BMS.
2. COIL FACE VELOCITY 750 FPM MAXIMUM.
3. PROVIDE WITH MANUAL AIR VENTS (SEE DETAIL ON M200)

GRAVITY ROOF VENTILATOR SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	LOCATION	AIR FLOW (CFM)	VELOCITY (FPM)	AIR PD (IN. WG)	THROAT SIZE WIDTHxLENGTH (IN)	DAMPER SIZE WIDTHxLENGTH (IN)	NOTES
GRV-1	GREENHECK FGR	BAROMETRIC RELIEF	ROOF	5,115	430	0.050	24x72	24x72	1,2,3

1

NOTES:
1. PROVIDE WITH GRAVITY BACKDRAFT DAMPER.
2. PROVIDE WITH ROOF CURB.
3. PROVIDE WITH INSECT SCREEN.
4. PROVIDE WITH ALUMINUM BIRD SCREEN.

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REVISIONS

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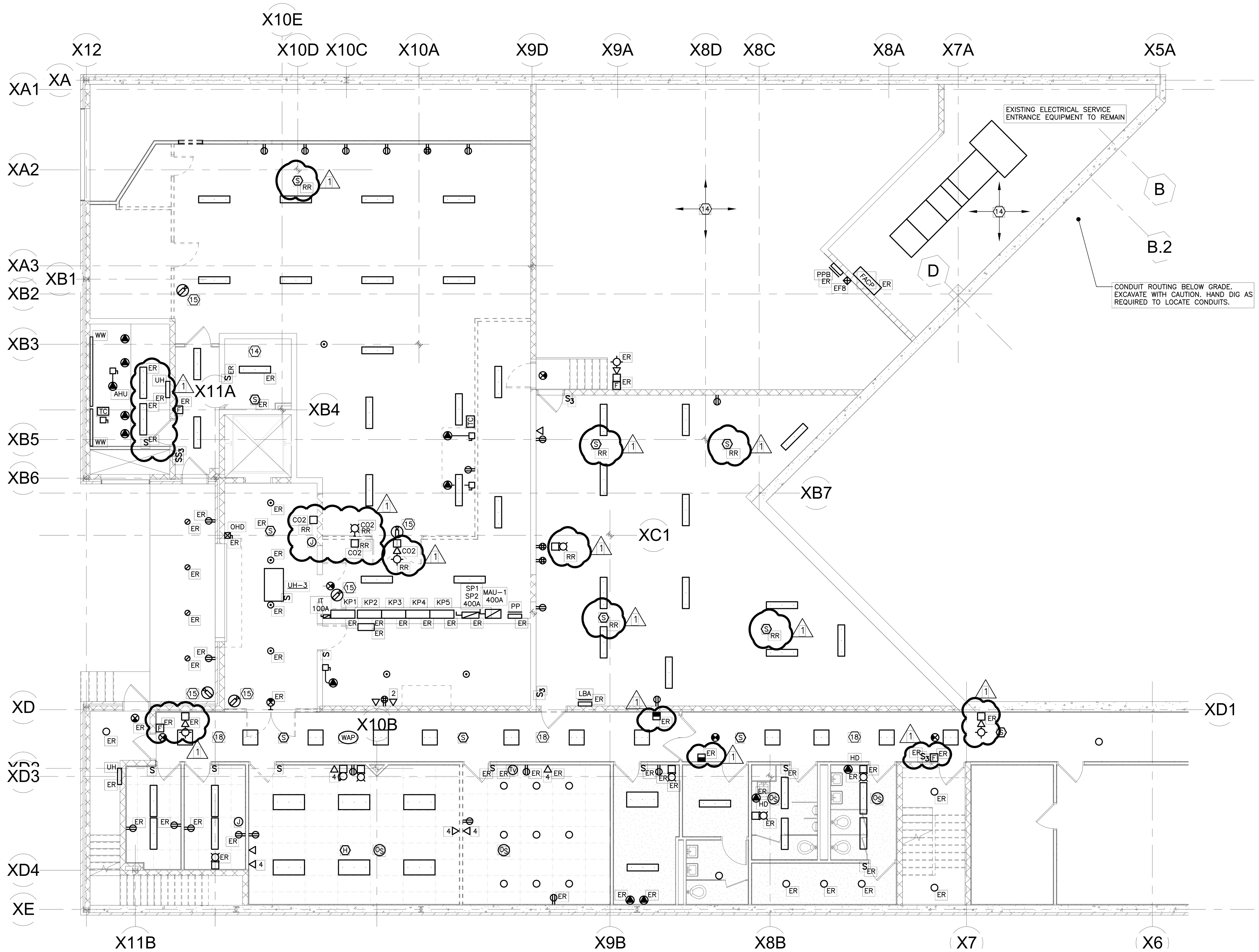
CHECKED BY: IES
PROJECT NUMBER: 1416244

DRAWING NAME:
MECHANICAL NOTES, LEGENDS, AND SCHEDULES

DRAWING NO.
M204



BASEMENT ELECTRICAL DEMOLITION PLAN

SCALE: 1/8"= 1'-0"

GENERAL DEMOLITION NOTES

1. THE DEMOLITION DATA INDICATED ON THESE DRAWINGS IS AS EXACT AS COULD BE DOCUMENTED BASED ON AREA OCCUPANCY AND NORMAL OPERATION. WHETHER INDICATED OR NOT THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL EQUIPMENT, LIGHT FIXTURES, DEVICES, ACCESSORIES, CONTROLS, ASSOCIATED WIRING, CABLING, JUNCTION BOXES AND RACEWAYS BACK TO SOURCE OR LAST DEVICE UNLESS OTHERWISE NOTED.
2. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.
3. NO EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED AND ABANDONED SHALL REMAIN.
4. ANY SYSTEMS OR EQUIPMENT TO REMAIN ACTIVE DURING RENOVATION SHALL BE KEPT IN OPERATION BY PROVIDING TEMPORARY CONNECTIONS AS REQUIRED UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.
5. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER, CM, AND OR GENERAL CONTRACTOR ANY AND ALL PHASING OF THE MECHANICAL DEMOLITION WORK IN ORDER TO SATISFY THE CONSTRUCTION SCHEDULE AND OWNERS OCCUPANCY REQUIREMENTS.
6. ANY ELECTRICAL EQUIPMENT TO BE REMOVED AND REUSED OR TURNED OVER TO THE OWNER, AT OWNERS REQUEST, OR AS INDICATED ON THE DRAWINGS SHALL BE CAREFULLY REMOVED AND STORED TO PREVENT DAMAGE.
7. THE ELECTRICAL CONTRACTOR SHALL ALSO REVIEW THE ARCHITECTURAL DEMOLITION DRAWINGS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
8. ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED AND APPROVED WITH THE OWNER IN ADVANCE PRIOR TO COMMENCEMENT OF ANY WORK.
9. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS DEMOLITION WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID CONFLICTS.

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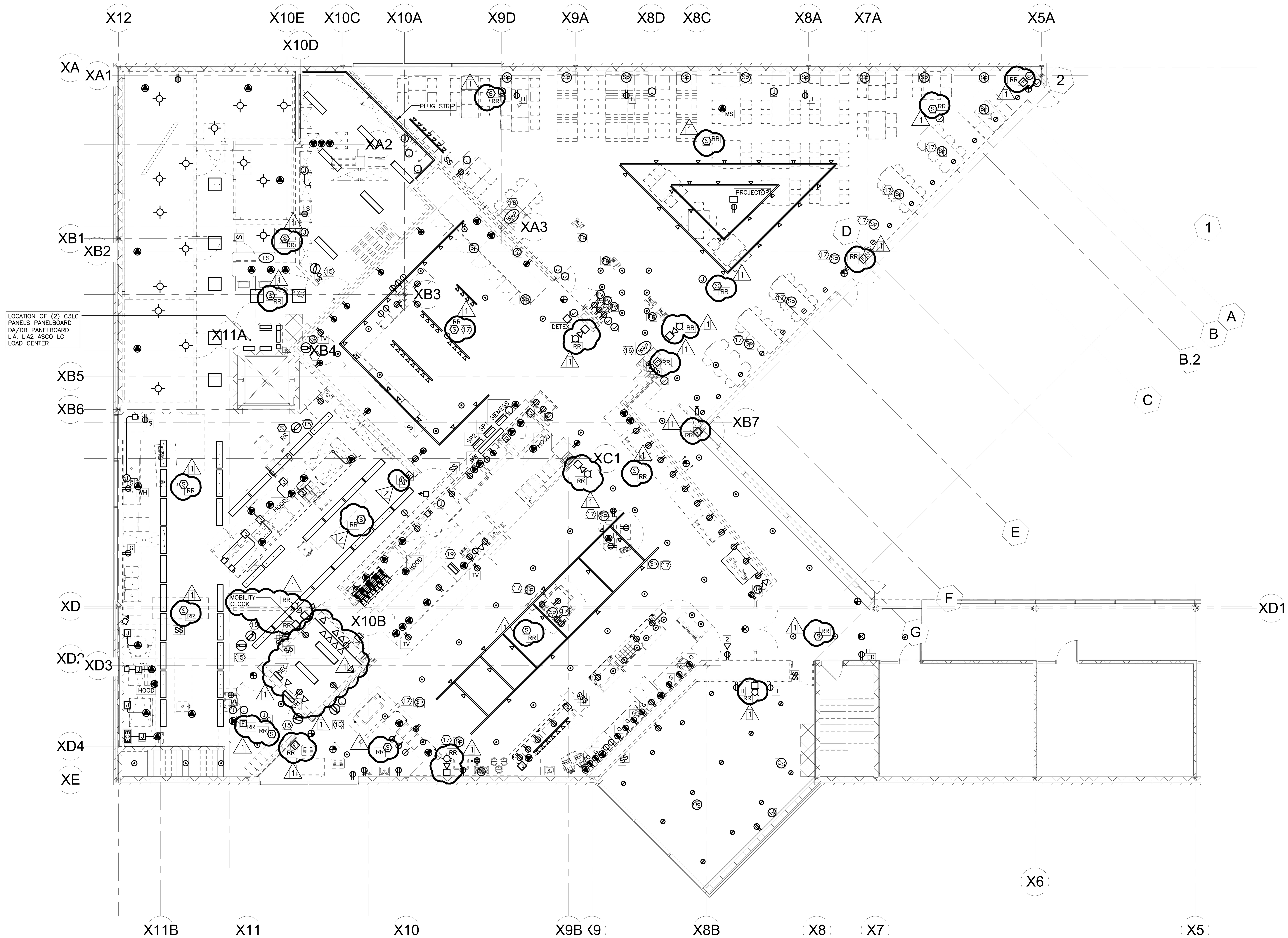
PROJECT NUMBER: 1416244

DRAWING NAME:
BASEMENT ELECTRICAL DEMOLITION PLAN

DRAWING NO:
DE100



FIRST FLOOR ELECTRICAL DEMOLITION PLAN

SCALE: 1/8"= 1'-0"

ARCHITECT:

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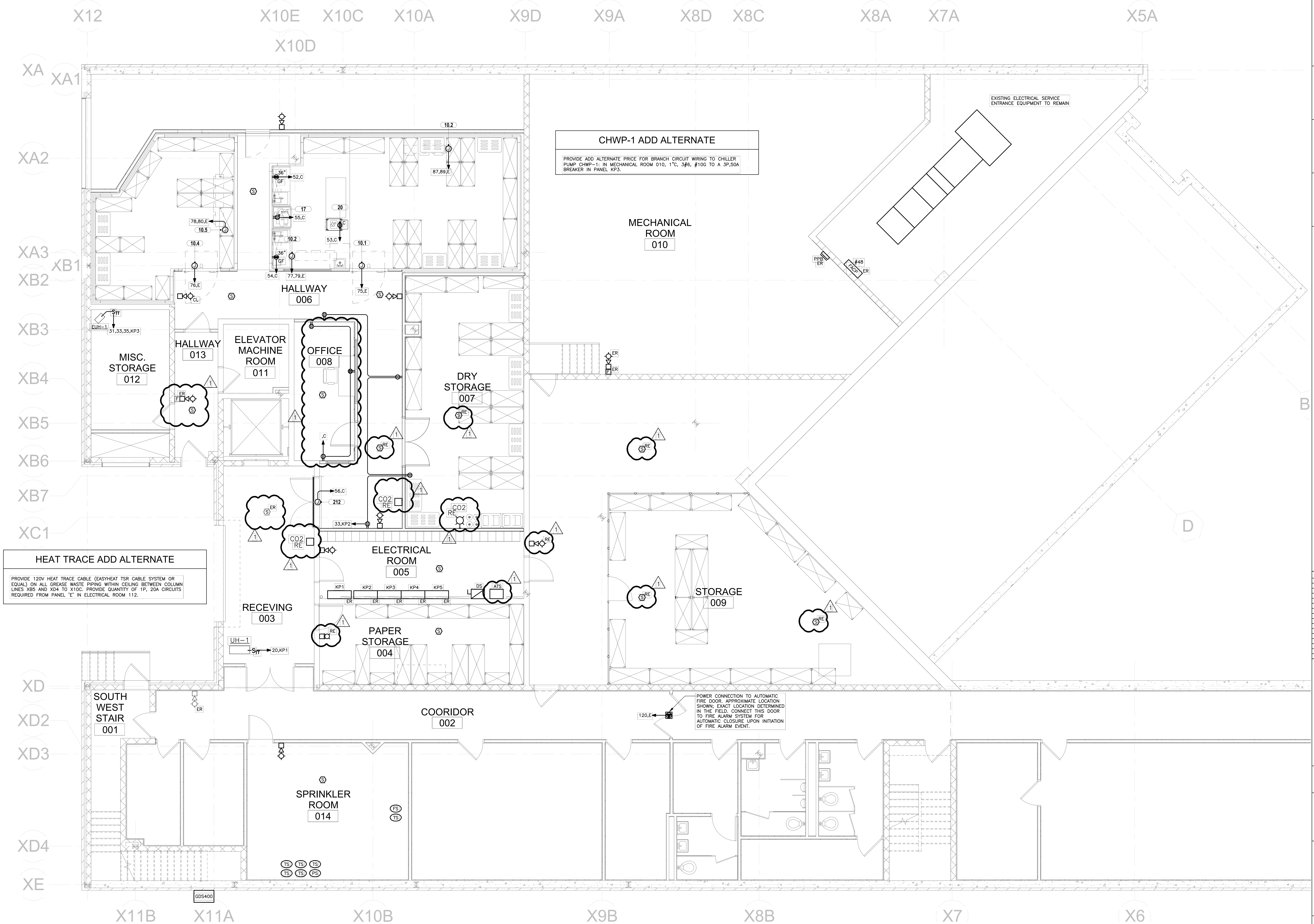
PROJECT NUMBER: 1416244

DRAWING NAME:

FIRST FLOOR ELECTRICAL DEMOLITION PLAN

DRAWING NO:

DE101



CHWP-1 ADD ALTERNATE

PROVIDE ADD ALTERNATE PRICE FOR BRANCH CIRCUIT WIRING TO CHILLER PUMP CHWP-1: IN MECHANICAL ROOM 010, 1"C, 3#6, #10G TO A 3P,50A BREAKER IN PANEL KP3.

HEAT TRACE ADD ALTERNATE

PROVIDE 120V HEAT TRACE CABLE (EASYHEAT TSR CABLE SYSTEM OR EQUAL) ON ALL GREASE WASTE PIPING WITHIN CEILING BETWEEN COLUMN LINES XB5 AND XD4 TO X10C. PROVIDE QUANTITY OF 1P, 20A CIRCUITS REQUIRED FROM PANEL 'E' IN ELECTRICAL ROOM 112.

BASEMENT POWER PLAN
SCALE: 3/16"= 1'-0"

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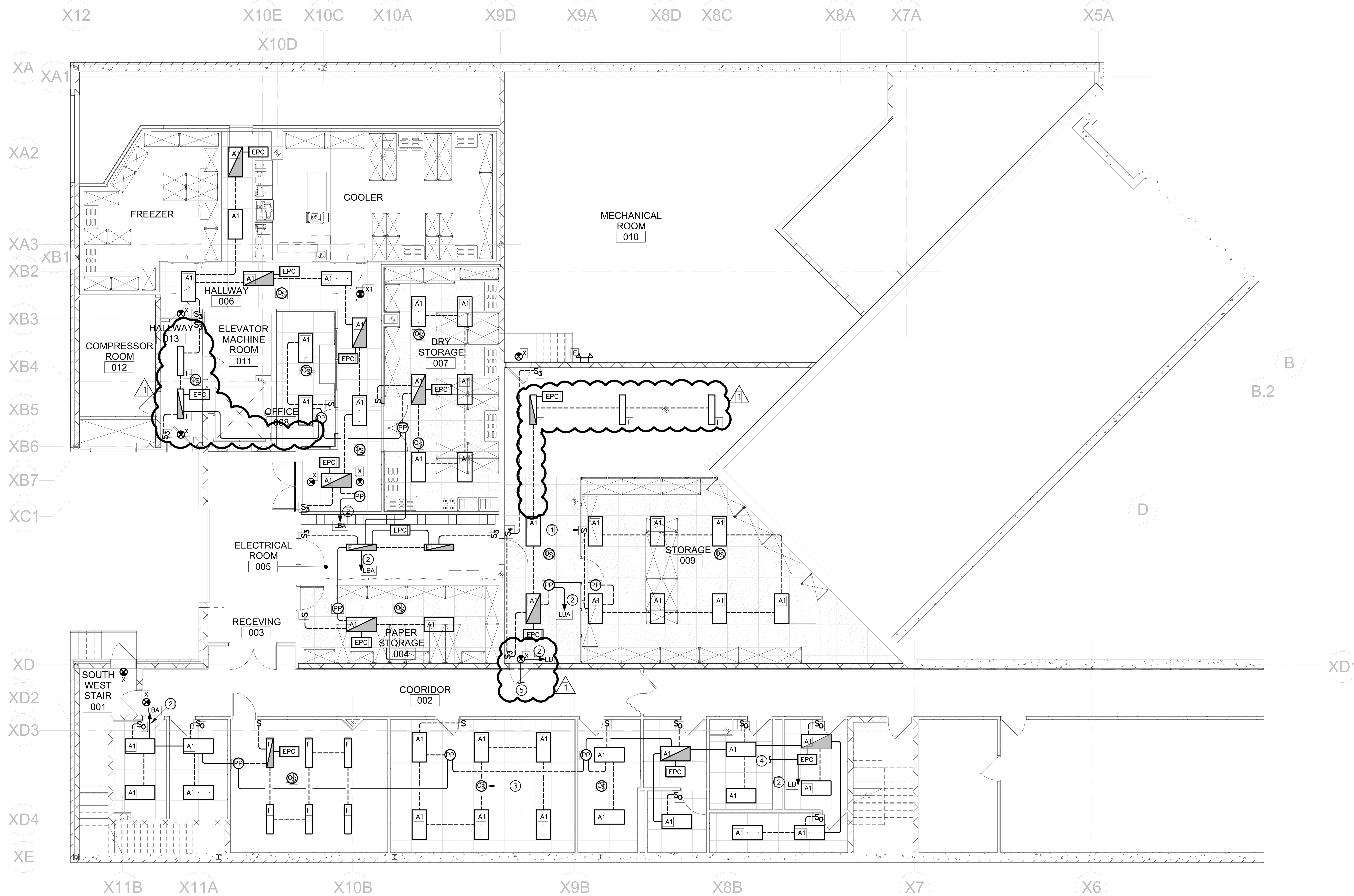
DRAWING NAME:
BASEMENT POWER PLAN

DRAWING NO:
E100



BASEMENT LIGHTING PLAN

SCALE: 1/8"= 1'-0"

DRAWING NOTES

1. SWITCH MOUNTED TO CAGE AROUND STORAGE RACKS. EXACT LOCATION DETERMINED IN THE FIELD.
2. 3/4"C, 2#12, #12G TO A 1P, 20A CIRCUIT BREAKER IN PANELBOARD INDICATED, TYPICAL.
3. SEE "TYPICAL LOW VOLTAGE SENSOR LIGHTING CONTROL SCHEMATIC".
4. 3/4"C, 2#12G TO LIFE SAFETY BRANCH CIRCUIT FEED THROUGH TO EACH EPC DEVICE.
5. 3/4"C, 2#12, #12G. CONNECT TO EACH EXIT SIGN. TYPICAL.

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PROJECT NUMBER: 1416244

DRAWING NAME:
BASEMENT LIGHTING PLAN

DRAWING NO.
E101

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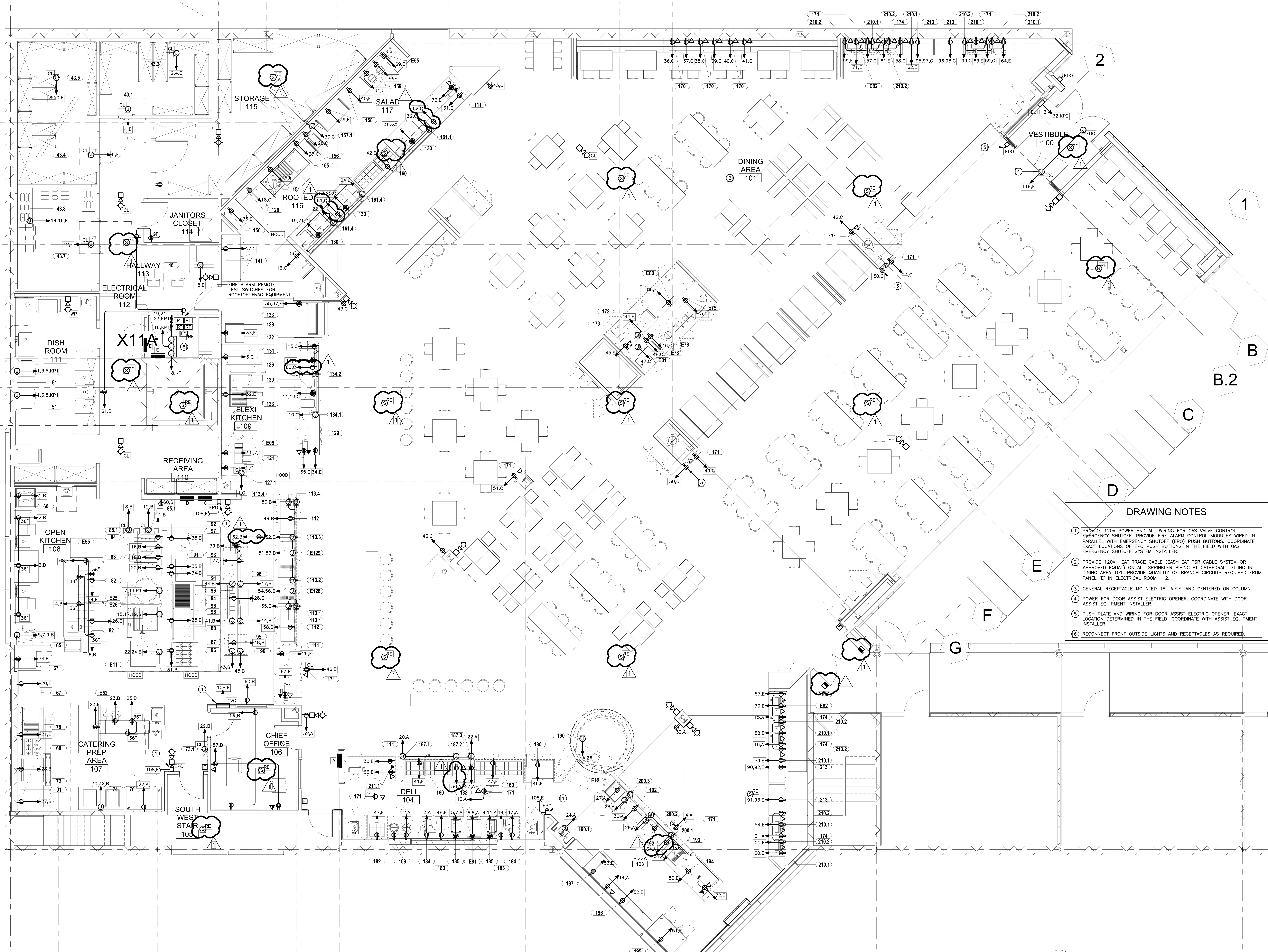

FIRST FLOOR POWER PLAN

SCALE: 3/16"= 1'-0"

DRAWING NOTES

1. PROVIDE 120V POWER AND ALL WIRING FOR GAS VALVE CONTROL EMERGENCY SHUTOFF. PROVIDE FIRE ALARM CONTROL MODULES WIRED IN PARALLEL WITH EMERGENCY SHUTOFF (EPO) PUSH BUTTONS. COORDINATE EXACT LOCATIONS OF EPO PUSH BUTTONS IN THE FIELD WITH GAS EMERGENCY SHUTOFF SYSTEM INSTALLER.
2. PROVIDE 120V HEAT TRACE CABLE (EASYHEAT TSR CABLE SYSTEM OR APPROVED EQUAL) ON ALL SPRINKLER PIPING AT CATHEDRAL CEILING IN DINING AREA 101. PROVIDE QUANTITY OF BRANCH CIRCUITS REQUIRED FROM PANEL 'E' IN ELECTRICAL ROOM 112.
3. GENERAL RECEPTACLE MOUNTED 18" A.F.F. AND CENTERED ON COLUMN.
4. POWER FOR DOOR ASSIST ELECTRIC OPENER. COORDINATE WITH DOOR ASSIST EQUIPMENT INSTALLER.
5. PUSH PLATE AND WIRING FOR DOOR ASSIST ELECTRIC OPENER. EXACT LOCATION DETERMINED IN THE FIELD. COORDINATE WITH ASSIST EQUIPMENT INSTALLER.
6. RECONNECT FRONT OUTSIDE LIGHTS AND RECEPTACLES AS REQUIRED.

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PROJECT NUMBER: 1416244

DRAWING NAME:

FIRST FLOOR POWER PLAN

DRAWING NO:

E102

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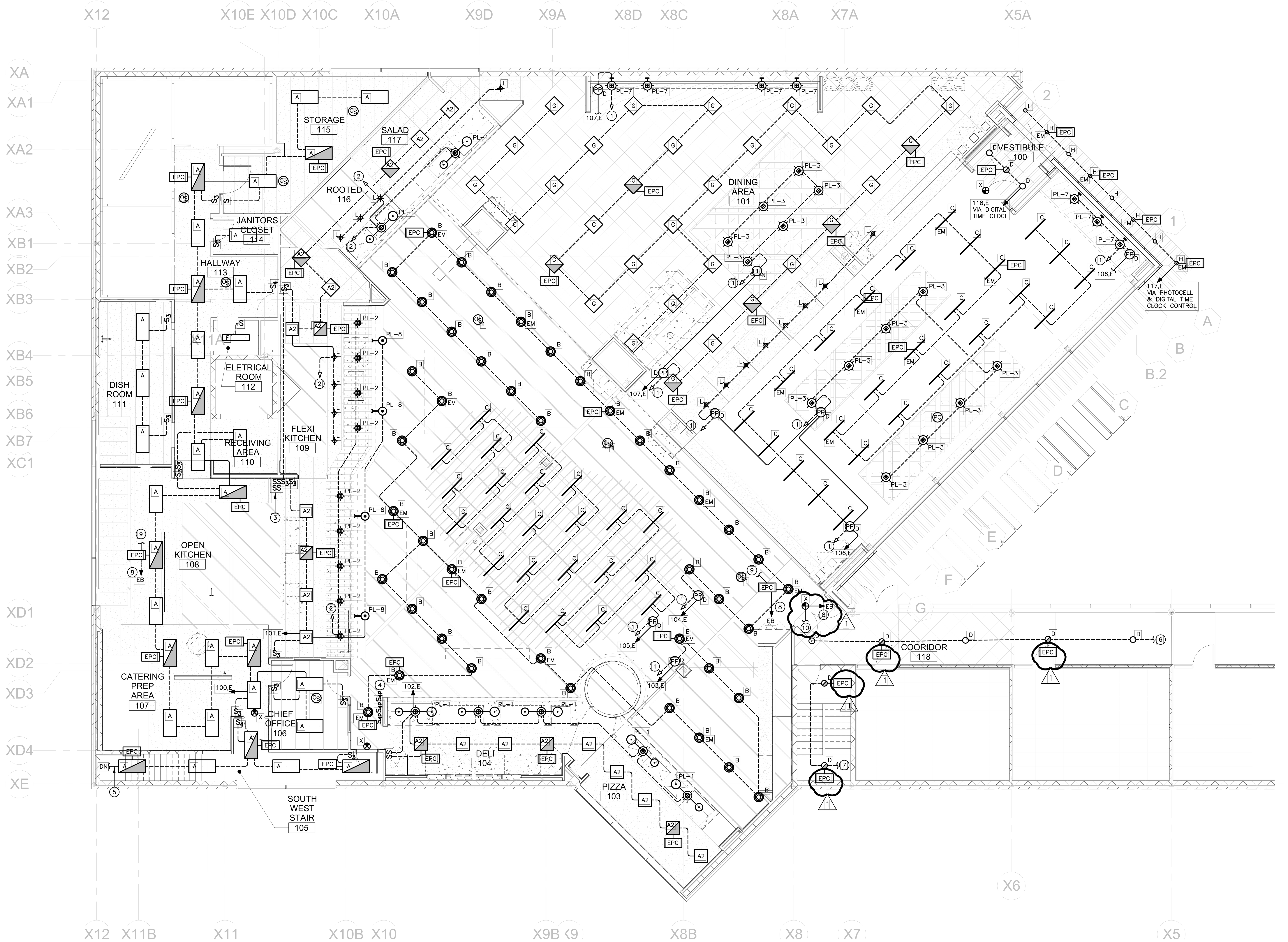

FIRST FLOOR LIGHTING PLAN

SCALE: 1/8"= 1'-0"

DRAWING NOTES

1. TO "CAFE SWITCH BANK" FOR CONTROL.
2. TO "KITCHEN SWITCH BANK" FOR CONTROL.
3. KITCHEN SWITCH BANK.
4. CAFE SWITCH BANK.
5. DOWN TO BASEMENT STAIRS.
6. WIRE TO EXISTING LIGHTING BRANCH CIRCUIT IN THE CORRIDOR.
7. WIRE TO EXISTING LIGHTING BRANCH CIRCUIT IN STAIRCASE.
8. 3/4"C, 2#12, #12G TO 1P, 20A CIRCUIT BREAKER IN PANELBOARD INDICATED. TYPICAL.
9. 3/4"C, 2#12, #12G TO LIFE SAFETY BRANCH CIRCUIT FEED THROUGH TO EACH EPC DEVICE.
10. 3/4"C, 2#12, #12G. CONNECT TO EACH EXIT SIGN. TYPICAL.

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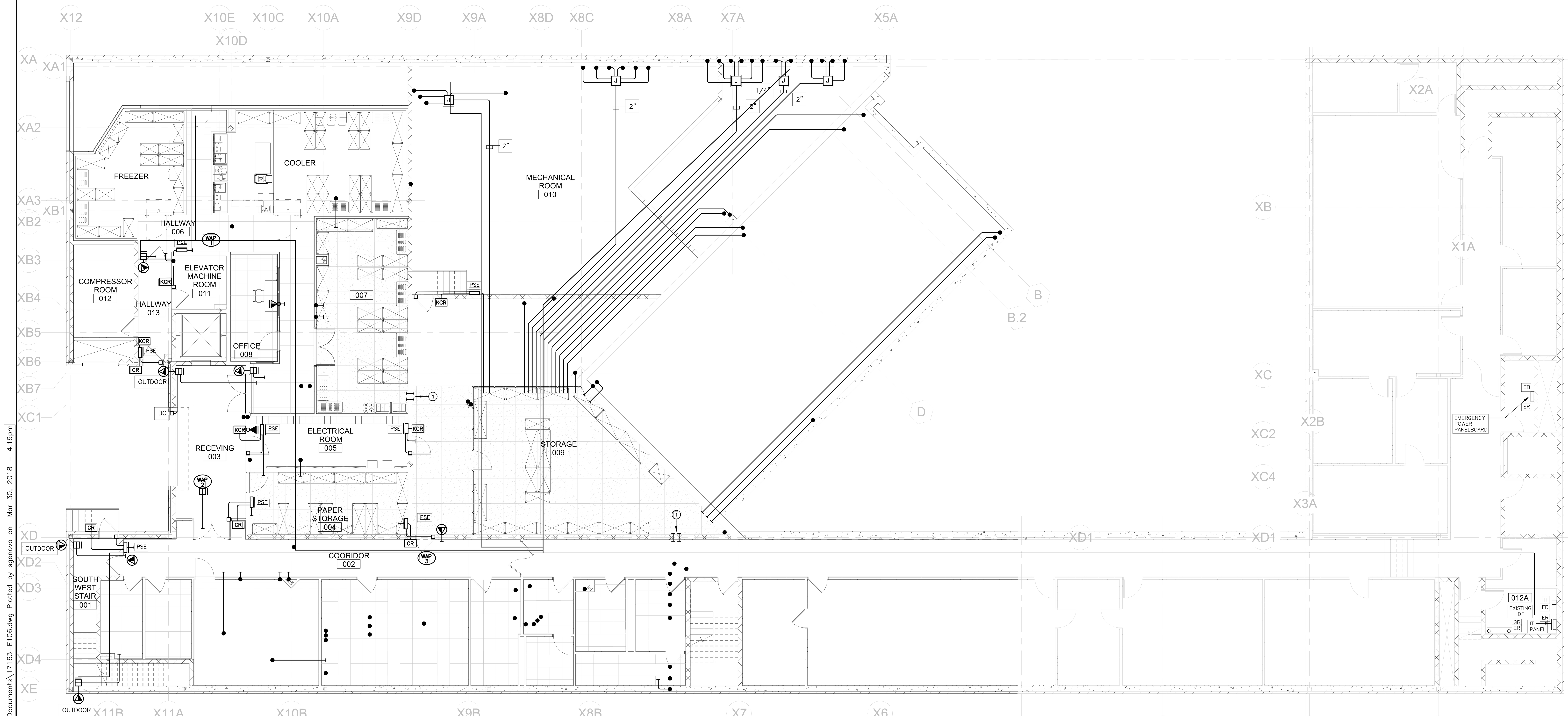
PROJECT NUMBER: 1416244

DRAWING NAME:

FIRST FLOOR LIGHTING PLAN

DRAWING NO:

E103



BASEMENT LOW VOLTAGE PATHWAY PLAN

SCALE: 1/8"= 1'–0"

LOW VOLTAGE PATHWAY LEGEND

SYMBOL	DESCRIPTION
●	CONDUIT UP
○	CONDUIT DOWN
	CONDUIT WITH INSULATING BUSHING
	4"x4"x3.5"D JUNCTION BOX WITH BLANK COVER
	4"x4"x3.5"D JUNCTION BOX FOR DATA CONNECTION, REFER TO DRAWINGS IT100 AND IT101
J	SURFACE MOUNTED JUNCTION BOX WITH HINGED COVER
	PADLOCK SECURED ENCLOSURE WITH HINGED COVER
	CONDUIT, WITH PULL STRING MINIMUM SIZE 1" UNLESS OTHERWISE NOTED,
DC	CONDUIT WITH PULL STRING MINIMUM SIZE 1" TERMINATE WITH INSULATING BUSHING.

GENERAL NOTES

1. ALL CONDUITS TO HAVE PULL STRING.
2. ALL JUNCTION BOXES SHALL BE A MINIMUM 4"x4"x3.5" DEEP TO ACCOMMODATE CAT 6A CABLE. BEND RADII SHALL SUPPORT 4 TIMES BEND RADIUS.

DRAWING NOTES

1 FIRE RATED PATHWAY DEVICE, 4"x4–5/8"x14'L EZ–PATH 44+.

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PROJECT NUMBER: 1416244

DRAWING NAME:

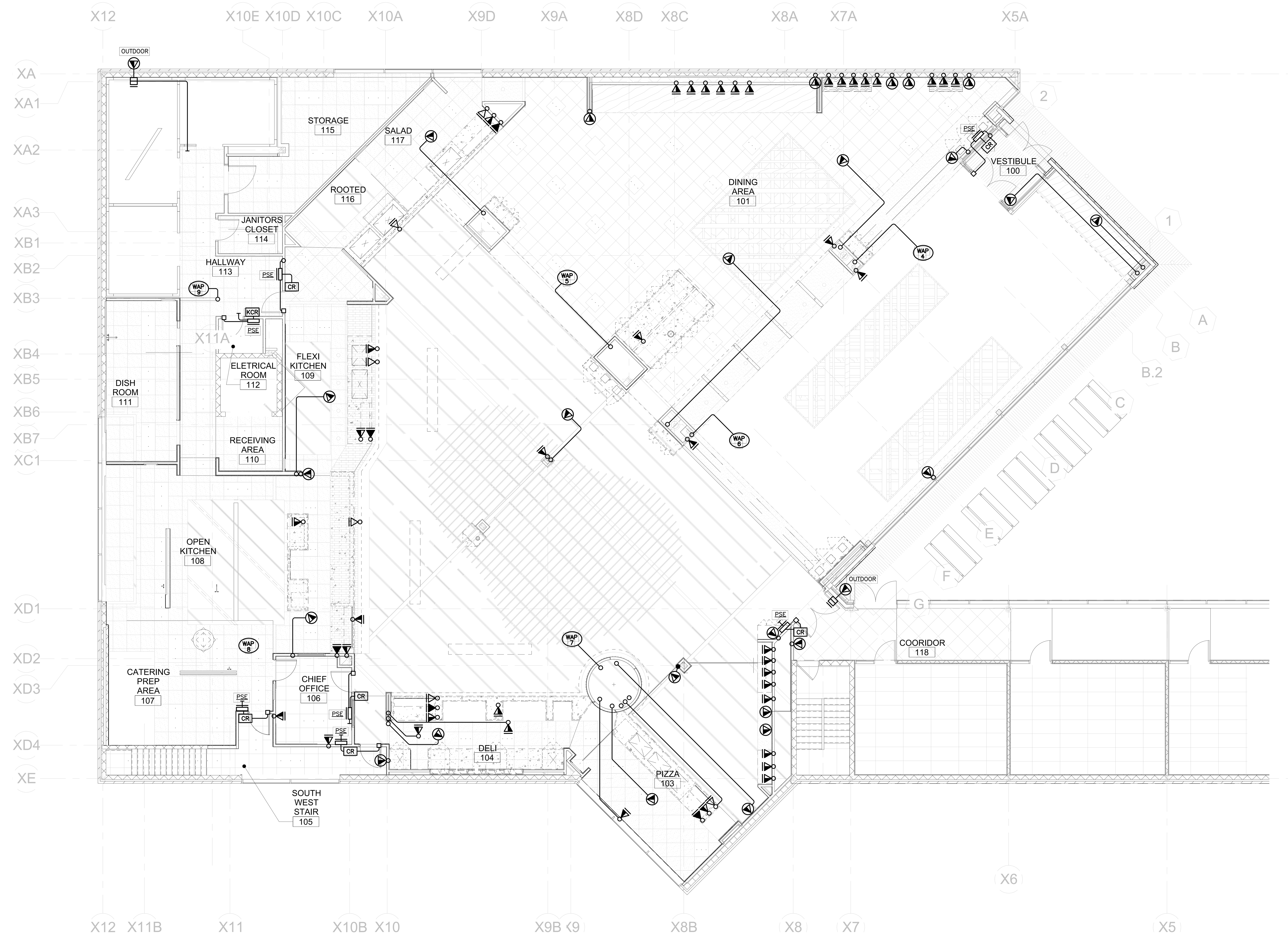
BASEMENT LOW VOLTAGE PATHWAY PLAN

DRAWING NO.

E106 1

LOW VOLTAGE PATHWAY LEGEND

SYMBOL	DESCRIPTION
●	CONDUIT UP
○	CONDUIT DOWN
—┤	CONDUIT WITH INSULATING BUSHING
⊟	4"x4"x3.5"D JUNCTION BOX WITH BLANK COVER
▽ ▼	4"x4"x3.5"D JUNCTION BOX FOR DATA CONNECTION, REFER TO DRAWINGS IT100 AND IT101
J	SURFACE MOUNTED JUNCTION BOX WITH HINGED COVER
▭	PADLOCK SECURED ENCLOSURE WITH HINGED COVER
——	CONDUIT, WITH PULL STRING MINIMUM SIZE 1" UNLESS OTHERWISE NOTED,
DC □—	CONDUIT WITH PULL STRING MINIMUM SIZE 1" TERMINATE WITH INSULATING BUSHING.



FIRST FLOOR LOW VOLTAGE PATHWAY PLAN
SCALE: 1/8"= 1'-0"

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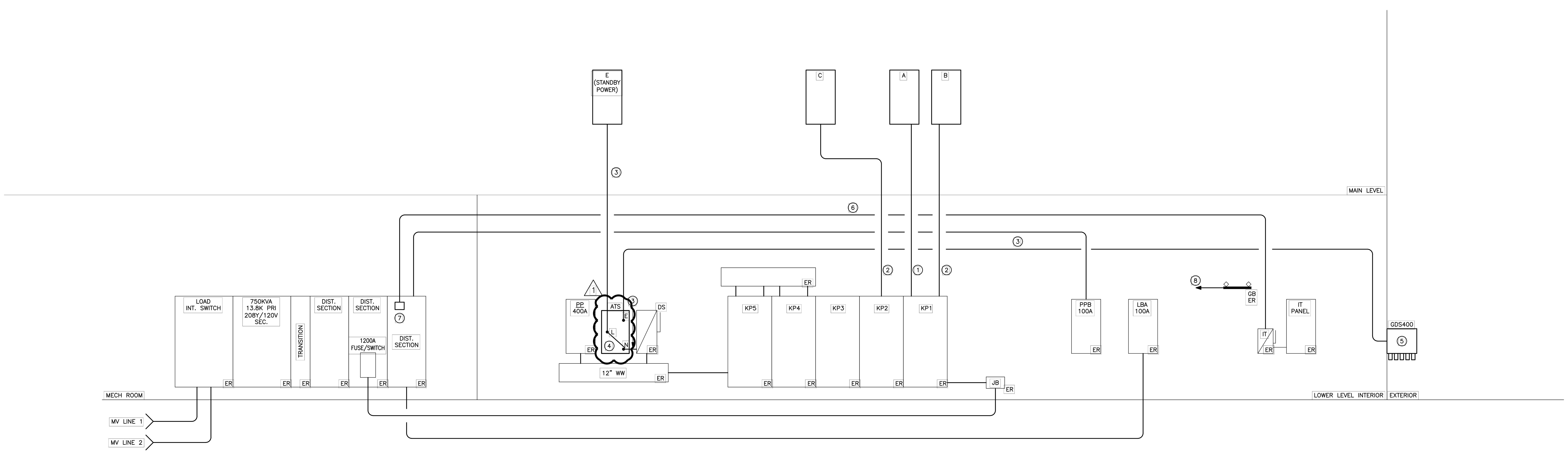
PROJECT NUMBER: 1416244

DRAWING NAME:
FIRST FLOOR LOW VOLTAGE PATHWAY PLAN

DRAWING NO.:
E107



ONE-LINE RISER DIAGRAM

SCALE: N.T.S.

ONE LINE RISER DIAGRAM NOTES

1. 3"C, 4#4/0, #4G.
2. 3"C, 4#350KCMIL, #4G.
3. 4"C, 4#500KCMIL, #3G.
4. 208V, 400A, 3 POLE, 4 WIRE, SOLID NEUTRAL, AUTOMATIC TRANSFER SWITCH WITH NEMA 1 ENCLOSURE. KOHLER #KCS-ACTA-0400-S OR APPROVED EQUAL.
5. ESL POWER SYSTEM IB16 GENERATOR DOCKING STATION (GDS800) QUICK CONNECT/TAP BOX RATER FOR 208V, 400A, 3 PHASE, 4 WIRE, GROUND OPERATION IN NEMA TYPE 3R 30455, EXTENDED DEPTH ENCLOSURE.
6. 1 1/2"C, 4#2, #6G.
7. CONNECT TO SPARE 3 POLE, 100A FUSE SWITCH. PROVIDE (3) 100A FUSES.
8. #3G WITH GREEN INSULATION FROM IT GROUND BAR TO ELECTRICAL SERVICE ENTRANCE EQUIPMENT GROUND BUSS.

ATS/GDS 400 ADD ALTERNATE

PROVIDE ADD ALTERNATE PRICE FOR AUTOMATIC TRANSFER SWITCH (ATS), GENERATOR DOCKING STATION (GDS), AND FEEDER FROM ATS TO GDS. BASE BID IS PANELBOAD E CONNECTED TO DS.

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PURCHASE, NY 10577

REVISIONS		
NO.	DATE	DESCRIPTION
1	03/30/2018	ADDENDUM #1

SEAL:

ISSUED FOR: BID
ISSUED DATE: 02.16.2018
DRAWN BY: IES
CHECKED BY: IES
PROJECT NUMBER: 1416244

DRAWING NAME:
ONE LINE RISER DIAGRAM

DRAWING NO:
E200

PANEL 'E' (EMERGENCY PANEL) — SECTION 1

RATING: 208Y/120V, 3Ø, 4W
MAIN BUS: ☒ CU ☐ AL 400A MAIN BUS
MAIN DEVICE: MLO WITH FEED THRU LUGS
INTERRUPTING RATING: 22KAIC

LOCATION: FIRST FLOOR ELEC. ROOM
MOUNTING: ☐ FLUSH ☒ SURFACE
TRIM: ☐ SINGLE DOOR ☒ DOOR-IN-DOOR

CKT. NO.	CKT. BKR. TRIP AMPS	CKT. BKR. POLES	DESCRIPTION	WIRE & CONDUIT	KVA	KVA	WIRE & CONDUIT	DESCRIPTION	CKT. BKR. POLES	CKT. BKR. TRIP AMPS	CKT. NO.
1	20	1	ITEM NO. 43.1	REFER TO SCHEDULE	0.6	0.1	REFER TO SCHEDULE	ITEM NO. 43.2	2	20	2
3	30	3	ITEM NO. 43.3	REFER TO SCHEDULE	1.8	0.1	–	–	–	–	4
5	–	–	–	–	1.8	0.6	REFER TO SCHEDULE	ITEM NO. 43.4	1	20	6
7	–	–	–	–	1.8	0.2	REFER TO SCHEDULE	ITEM NO. 43.5	2	20	8
9	30	3	ITEM NO. 43.6	REFER TO SCHEDULE	1.8	0.2	–	–	–	–	10
11	–	–	–	–	1.8	0.6	REFER TO SCHEDULE	ITEM NO. 43.7	1	20	12
13	–	–	–	–	1.8	0.1	REFER TO SCHEDULE	ITEM NO. 43.8	2	20	14
15	30	3	ITEM NO. 43.9	REFER TO SCHEDULE	1.8	0.1	–	–	–	–	16
17	–	–	–	–	1.8	1.8	REFER TO SCHEDULE	ITEM NO. 46	1	20	18
19	–	–	–	–	1.8	1.2	REFER TO SCHEDULE	ITEM NO. 67	1	20	20
21	20	1	ITEM NO. 68	REFER TO SCHEDULE	0.8	0.8	REFER TO SCHEDULE	ITEM NO. 76	1	20	22
23	20	1	ITEM NO. 78	REFER TO SCHEDULE	0.9	0.8	REFER TO SCHEDULE	ITEM NO. 82	1	20	24
25	20	1	ITEM NO. 88	REFER TO SCHEDULE	0.9	0.8	REFER TO SCHEDULE	ITEM NO. 82	1	20	26
27	20	1	ITEM NO. 93	REFER TO SCHEDULE	0.9	0.9	REFER TO SCHEDULE	ITEM NO. 94	1	20	28
29	20	1	ITEM NO. 111	REFER TO SCHEDULE	1.8	1.8	REFER TO SCHEDULE	ITEM NO. 111	1	20	30
31	20	–	ITEM NO. 111	REFER TO SCHEDULE	1.8	1.8	REFER TO SCHEDULE	ITEM NO. 123	1	20	32
33	20	1	ITEM NO. 128	REFER TO SCHEDULE	0.8	1.8	REFER TO SCHEDULE	ITEM NO. 129	1	20	34
35	20	2	ITEM NO. 133	REFER TO SCHEDULE	1.2	0.8	REFER TO SCHEDULE	ITEM NO. 150	1	20	36
37	–	–	–	–	1.2	0.8	REFER TO SCHEDULE	ITEM NO. 151	1	20	38
39	20	1	ITEM NO. 158	REFER TO SCHEDULE	1.9	1.9	REFER TO SCHEDULE	ITEM NO. 158	1	20	40
41	20	1	ITEM NO. 160	REFER TO SCHEDULE	0.9	0.9	REFER TO SCHEDULE	ITEM NO. 160	1	20	42
43	20	1	ITEM NO. 160	REFER TO SCHEDULE	1.0	1.0	REFER TO SCHEDULE	ITEM NO. 172	1	20	44
45	20	1	ITEM NO. 173	REFER TO SCHEDULE	0.7	0.7	REFER TO SCHEDULE	ITEM NO. 180	1	20	46
47	20	1	ITEM NO. 182	REFER TO SCHEDULE	0.9	0.9	REFER TO SCHEDULE	ITEM NO. 183	1	20	48
49	20	1	ITEM NO. 183	REFER TO SCHEDULE	1.4	1.4	REFER TO SCHEDULE	ITEM NO. 194	1	20	50
51	20	1	ITEM NO. 195	REFER TO SCHEDULE	1.7	1.7	REFER TO SCHEDULE	ITEM NO. 196	1	20	52
53	20	1	ITEM NO. 197	REFER TO SCHEDULE	1.2	1.2	REFER TO SCHEDULE	ITEM NO. 210.1	1	20	54
55	20	1	ITEM NO. 210.2	REFER TO SCHEDULE	1.2	1.2	REFER TO SCHEDULE	ITEM NO. 210.2	1	20	56
57	20	1	ITEM NO. 210.2	REFER TO SCHEDULE	1.8	1.2	REFER TO SCHEDULE	ITEM NO. 210.1	1	20	58
59	20	1	ITEM NO. 210.1	REFER TO SCHEDULE	1.2	1.2	REFER TO SCHEDULE	ITEM NO. 210.1	1	20	60
61	20	1	ITEM NO. 210.1	REFER TO SCHEDULE	1.2	1.2	REFER TO SCHEDULE	ITEM NO. 210.1	1	20	62
63	20	1	ITEM NO. 210.1	REFER TO SCHEDULE	1.2	1.2	REFER TO SCHEDULE	ITEM NO. 210.1	1	20	64
65	20	1	RECEPTACLES	3/4"C, 2#12, #12G	1.2	1.2	REFER TO SCHEDULE	ITEM NO. 211.1	1	20	66
67	20	1	ITEM NO. 211.1	REFER TO SCHEDULE	1.2	0.6	REFER TO SCHEDULE	ITEM NO. E55	1	20	68
69	20	1	ITEM NO. E55	REFER TO SCHEDULE	1.2	1.2	REFER TO SCHEDULE	ITEM NO. E82	1	20	70
71	20	1	ITEM NO. E82	REFER TO SCHEDULE	1.2	1.2	3/4"C, 2#12, #12G	RECEPTACLES	1	20	72

TOTALS PER PHASE: A 19.7 | B 20.4 | C 21.7
TOTALS SECTION 1: 61.8
TOTAL SECTION 2: 63.8
GRAND TOTAL (2-SECT.): 125.16

PANEL 'E' (EMERGENCY PANEL) — SECTION 2

RATING: 208Y/120V, 3Ø, 4W
MAIN BUS: ☒ CU ☐ AL 400A MAIN BUS
MAIN DEVICE: MLO
INTERRUPTING RATING: 22KAIC

LOCATION: FIRST FLOOR ELEC. ROOM
MOUNTING: ☐ FLUSH ☒ SURFACE
TRIM: ☐ SINGLE DOOR ☒ DOOR-IN-DOOR

CKT. NO.	CKT. BKR. TRIP AMPS	CKT. BKR. POLES	DESCRIPTION	WIRE & CONDUIT	KVA	KVA	WIRE & CONDUIT	DESCRIPTION	CKT. BKR. POLES	CKT. BKR. TRIP AMPS	CKT. NO.
73	20	1	ITEM NO. E127	REFER TO SCHEDULE	1.2	1.2	REFER TO SCHEDULE	ITEM NO. 67	1	20	74
75	20	1	ITEM NO. 10.1	REFER TO SCHEDULE	0.6	1.2	REFER TO SCHEDULE	ITEM NO. 10.4	1	20	76
77	20	2	ITEM NO. 10.2	REFER TO SCHEDULE	0.2	1.2	REFER TO SCHEDULE	ITEM NO. 10.5	2	20	78
79	–	–	–	–	0.2	0.2	–	–	–	–	80
81	50	3	ITEM NO. 10.3	REFER TO SCHEDULE	3.2	3.9	REFER TO SCHEDULE	ITEM NO. 10.6	3	60	82
83	–	–	–	–	3.2	3.9	–	–	–	–	84
85	–	–	–	–	3.2	3.9	–	–	–	–	86
87	20	2	ITEM NO. 10.2	REFER TO SCHEDULE	0.2	0.3	REFER TO SCHEDULE	ITEM NO. E80	1	20	88
89	–	–	–	–	0.2	1.3	REFER TO SCHEDULE	ITEM NO. 213	2	20	90
91	20	2	ITEM NO. 213	REFER TO SCHEDULE	1.3	1.3	–	–	–	–	92
93	–	–	–	–	1.3	1.8	REFER TO SCHEDULE	ITEM NO. 210.2	1	20	94
95	20	2	ITEM NO. 213	REFER TO SCHEDULE	1.3	1.3	REFER TO SCHEDULE	ITEM NO. 213	2	20	96
97	–	–	–	–	1.3	1.3	–	–	–	–	98
99	20	1	ITEM NO. 210.2	REFER TO SCHEDULE	1.2	0.8	3/4"C, 2#12, #12G	LIGHTING	1	20	100
101	20	1	SPARE	–	0.0	1.0	3/4"C, 2#12, #12G	LIGHTING	1	20	102
103	20	1	LIGHTING	3/4"C, 2#12, #12G	1.3	1.3	3/4"C, 2#12, #12G	LIGHTING	1	20	104
105	20	1	LIGHTING	3/4"C, 2#12, #12G	1.1	1.3	3/4"C, 2#12, #12G	LIGHTING	1	20	106
107	20	1	LIGHTING	3/4"C, 2#12, #12G	1.4	0.4	3/4"C, 2#12, #12G	GAS EPO SYSTEM	1	20	108
109	20	1	HEAT TRACE	3/4"C, 2#12, #12G	1.8	1.8	3/4"C, 2#12, #12G	HEAT TRACE	1	20	110
111	20	1	HEAT TRACE	3/4"C, 2#12, #12G	1.8	1.8	3/4"C, 2#12, #12G	HEAT TRACE	1	20	112
113	20	1	HEAT TRACE	3/4"C, 2#12, #12G	1.8	1.8	3/4"C, 2#12, #12G	HEAT TRACE	1	20	114
115	20	1	HEAT TRACE	3/4"C, 2#12, #12G	1.8	1.8	3/4"C, 2#12, #12G	HEAT TRACE	1	20	116
117	20	1	LIGHTING – EXTERIOR	3/4"C, 2#12, #12G	0.4	0.2	3/4"C, 2#12, #12G	LIGHTING – VEST.	1	20	118
119	20	1	SPARE	–	0.0	0.0	–	SPARE	1	20	120
121	20	1	SPARE	–	0.0	0.0	–	SPARE	1	20	122
123	20	1	SPARE	–	0.0	0.0	–	SPARE	1	20	124
125	20	1	SPARE	–	0.0	0.0	–	SPARE	1	20	126

TOTALS PER PHASE: A 24.9 | B 20.9 | C 18.0
GRAND TOTAL: 63.8

PANEL A

RATING: 208Y/120V, 3 PHASE, 4 WIRE
MAIN BUS: ☒ CU ☐ AL 225A MAIN BUS
MAIN DEVICE: MLO
INTERRUPTING RATING: 22KAIC

LOCATION: FIRST FLOOR
MOUNTING: ☒ FLUSH ☐ SURFACE
TRIM: ☐ SINGLE DOOR ☒ DOOR-IN-DOOR

CKT. NO.	CKT. BKR. TRIP AMPS	CKT. BKR. POLES	DESCRIPTION	WIRE & CONDUIT	KVA	KVA	WIRE & CONDUIT	DESCRIPTION	CKT. BKR. POLES	CKT. BKR. TRIP AMPS	CKT. NO.
1	20	1	SPARE	–	0.0	1.6	REFER TO SCHEDULE	ITEM NO. 159	1	20	2
3	20	1	ITEM NO. 184	REFER TO SCHEDULE	0.9	1.2	REFER TO SCHEDULE	ITEM NO. 171	1	20	4
5	30	2	ITEM NO. 185	REFER TO SCHEDULE	2.7	3.0	REFER TO SCHEDULE	ITEM NO. E91	2	50	6
7	–	–	–	–	2.7	3.0	–	–	–	–	8
9	30	2	ITEM NO. 185	REFER TO SCHEDULE	2.7	1.2	REFER TO SCHEDULE	ITEM NO. 171	1	20	10
11	–	–	–	–	2.7	0.0	–	SPARE	1	20	12
13	20	1	ITEM NO. 184	REFER TO SCHEDULE	0.9	0.2	3/4"C, 2#12, #12G	CONV. RECEPT	1	20	14
15	20	1	ITEM NO. 174	REFER TO SCHEDULE	1.2	1.2	REFER TO SCHEDULE	ITEM NO. 174	1	20	16
17	20	1	ITEM NO. 171	REFER TO SCHEDULE	1.2	1.8	REFER TO SCHEDULE	ITEM NO. 111	1	20	18
19	20	1	ITEM NO. 127	REFER TO SCHEDULE	1.2	1.2	REFER TO SCHEDULE	ITEM NO. 187.1/187.2	1	20	20
21	20	1	ITEM NO. 174	REFER TO SCHEDULE	1.2	0.6	REFER TO SCHEDULE	ITEM NO. 187.3	1	20	22
23	20	1	ITEM NO. 132	REFER TO SCHEDULE	1.2	0.2	REFER TO SCHEDULE	ITEM NO. 190.1	1	20	24
25	20	1	SPARE	–	0.0	0.2	REFER TO SCHEDULE	ITEM NO. 190	1	20	26
27	20	1	ITEM NO. E12	REFER TO SCHEDULE	2.1	0.5	REFER TO SCHEDULE	ITEM NO. 200.3/200.3	1	20	28
29	20	1	ITEM NO. 200.1/.2/.2	REFER TO SCHEDULE	1.1	1.6	REFER TO SCHEDULE	ITEM NO. 192/192	1	20	30
31	20	1	ITEM NO. 193	REFER TO SCHEDULE	3.0	0.4	3/4"C, 2#12, #12G	RECEPTACLES	1	20	32
33	20	1	SPARE	–	0.0	0.0	3/4"C, 2#12, #12G	BOOST RECEPTACLE	1	20	34
35	20	1	ITEM NO. 210	REFER TO SCHEDULE	1.2	0.0	3/4"C, 2#12, #12G	BOOST RECEPTACLE	1	20	36
37	20	1	CONV. RECEPT	3/4"C, 2#12, #12G	0.4	0.0	–	SPARE	1	20	38
39	20	1	SPARE	–	0.0	0.0	–	SPARE	1	20	40
41	20	1	SPARE	–	0.0	0.0	–	SPARE	1	20	42

TOTALS PER PHASE: A 15.4 | B 12.8 | C 16.7
GRAND TOTAL (CONNECTED): 44.9

PANEL B

RATING: 208Y/120V, 3 PHASE, 4 WIRE
MAIN BUS: ☒ CU ☐ AL 400A MAIN BUS
MAIN DEVICE: MLO
INTERRUPTING RATING: 22KAIC

LOCATION: FIRST FLOOR
MOUNTING: ☒ FLUSH ☐ SURFACE
TRIM: ☐ SINGLE DOOR ☒ DOOR-IN-DOOR

CKT. NO.	CKT. BKR. TRIP AMPS	CKT. BKR. POLES	DESCRIPTION	WIRE & CONDUIT	KVA	KVA	WIRE & CONDUIT	DESCRIPTION	CKT. BKR. POLES	CKT. BKR. TRIP AMPS	CKT. NO.
1	20	1	ITEM NO. 60	REFER TO SCHEDULE	1.0	0.4	3/4"C, 2#12, #12G	RECEPTACLES	1	20	2
3	20	1	RECEPTACLES	3/4"C, 2#12, #12G	0.2	0.4	3/4"C, 2#12, #12G	RECEPTACLES	1	20	4
5	20	3	ITEM NO. 65	REFER TO SCHEDULE	0.4	0.6	3/4"C, 2#12, #12G	RECEPTACLES	1	20	6
7	20	–	–	–	0.4	1.8	REFER TO SCHEDULE	ITEM NO. 85.1	1	20	8
9	20	–	–	–	0.4	–	3/4"C, 2#12, #12G	SHUNT TRIP 120V	1		10
11	20	1	ITEM NO. 84	REFER TO SCHEDULE	0.8	1.8	REFER TO SCHEDULE	ITEM NO. 85.1	1	20	12
13		–	SHUNT TRIP 120V	3/4"C, 2#12, #12G	–	–	3/4"C, 2#12, #12G	SHUNT TRIP 120V	1		14
15	35	3	ITEM NO. E26	REFER TO SCHEDULE	3.0	0.7	REFER TO SCHEDULE	ITEM NO. 83	1	20	16
17	–	–	–	–	3.0	0.7	REFER TO SCHEDULE	ITEM NO. 83	1	20	18
19	–	–	–	–	3.0	0.7	REFER TO SCHEDULE	ITEM NO. 83	1	20	20
21		1	SHUNT TRIP 120V	3/4"C, 2#12, #12G	–	5.2	REFER TO SCHEDULE	ITEM NO. E11	2	70	22
23	20	1	ITEM NO. E52	REFER TO SCHEDULE	0.9	5.2	–	–	–	–	24
25	20	1	RECEPTACLES	3/4"C, 2#2, #12G	0.4	–	3/4"C, 2#12, #12G	SHUNT TRIP 120V	1		26
27	20	1	ITEM NO. 91	REFER TO SCHEDULE	1.8	0.3	REFER TO SCHEDULE	ITEM NO. 72	1	20	28
29	20	1	ITEM NO. 73.1	REFER TO SCHEDULE	1.8	1.5	REFER TO SCHEDULE	ITEM NO. 74	2	20	30
31	20	1	ITEM NO. 87	REFER TO SCHEDULE	0.7	1.5	–	–	–	–	32
33		–	SHUNT TRIP 120V	3/4"C, 2#12, #12G	–	1.8	REFER TO SCHEDULE	ITEM NO. 91	1	20	34
35	20	1	ITEM NO. 91	REFER TO SCHEDULE	1.8	–	3/4"C, 2#12, #12G	SHUNT TRIP 120V	1		36
37		1	SHUNT TRIP 120V	3/4"C, 2#12, #12G	–	0.2	REFER TO SCHEDULE	ITEM NO. 92	1	20	38
39	20	1	ITEM NO. 97	REFER TO SCHEDULE	1.2	–	3/4"C, 2#12, #12G	SHUNT TRIP 120V	1		40
41	20	1	ITEM NO. 96	REFER TO SCHEDULE	0.6	0.6	REFER TO SCHEDULE	ITEM NO. 96	1	20	42
43	20	1	ITEM NO. 96	REFER TO SCHEDULE	0.6	0.6	REFER TO SCHEDULE	ITEM NO. 96	1	20	44
45	20	1	ITEM NO. 96	REFER TO SCHEDULE	0.6	1.2	REFER TO SCHEDULE	ITEM NO. 171	1	20	46
47	20	1	ITEM NO. 96	REFER TO SCHEDULE	0.6	0.9	REFER TO SCHEDULE	ITEM NO. 95	1	20	48
49	20	1	ITEM NO. 112	REFER TO SCHEDULE	1.0	1.2	REFER TO SCHEDULE	ITEM NO. 113.4/113.4	1	20	50
51	20	2	ITEM NO. E129	REFER TO SCHEDULE	2.1	1.2	REFER TO SCHEDULE	ITEM NO. 113.2/113.3	1	20	52
53	–	–	–	–	2.1	2.6	REFER TO SCHEDULE	ITEM NO. E128	2	30	54
55	20	1	ITEM NO. 113.1	REFER TO SCHEDULE	0.6	2.6	–	–	–	–	56
57	20	1	RECEPTACLES – 106	3/4"C, 2#12, #12G	0.8	1.0	REFER TO SCHEDULE	ITEM NO. 112	1	20	58
59	20	1	RECEPTACLES – 106	3/4"C, 2#12, #12G	0.4	0.4	3/4"C, 2#12, #12G	RECEPTACLES – 108	1	20	60
61	20	1	RECEPTACLES – 113	3/4"C, 2#12, #12G	0.8	0.0	3/4"C, 2#12, #12G	BOOST RECEPTACLE	1	20	62
63	20	1	–	–	0.0	0.0	–	–	1	20	64
65	20	1	–	–	0.0	0.0	–	–	1	20	66
67	20	1	–	–	0.0	0.0	–	–	1	20	68
69	20	1	–	–	0.0	0.0	–	–	1	20	70
71	20	1	–	–	0.0	0.0	–	–	1	20	72

TOTALS PER PHASE: A 17.8 | B 21.9 | C 26.7
GRAND TOTAL: 66.4

PANEL C

RATING: 208Y/120V, 3 PHASE, 4 WIRE
MAIN BUS: ☒ CU ☐ AL 400A MAIN BUS
MAIN DEVICE: MLO
INTERRUPTING RATING: 22KAIC

LOCATION: FIRST FLOOR
MOUNTING: ☒ FLUSH ☐ SURFACE
TRIM: ☐ SINGLE DOOR ☒ DOOR-IN-DOOR

CKT. NO.	CKT. BKR. TRIP AMPS	CKT. BKR. POLES	DESCRIPTION	WIRE & CONDUIT	KVA	KVA	WIRE & CONDUIT	DESCRIPTION	CKT. BKR. POLES	CKT. BKR. TRIP AMPS	CKT. NO.
1	20	1	ITEM NO. 127.1	REFER TO SCHEDULE	1.8	0.8	REFER TO SCHEDULE	ITEM NO. 121	1	20	2
3	50	3	ITEM NO. E02	REFER TO SCHEDULE	4.7	0.0	–	SHUNT TRIP 120V	1		4
5	–	–	–	–	4.7	1.8	REFER TO SCHEDULE	ITEM NO. 126	1	20	6
7	–	–	–	–	4.7	0.0	–	–	1		8
9		–	SHUNT TRIP 120V	–	0.0	0.8	REFER TO SCHEDULE	ITEM NO. 134.1	1	20	10
11	20	2	ITEM NO. 130	REFER TO SCHEDULE	1.3	0.8	REFER TO SCHEDULE	ITEM NO. 134.2	1	20	12
13	–	–	–	–	1.3	1.2	REFER TO SCHEDULE	ITEM NO. 131	1	20	14
15	20	1	ITEM NO. 132	REFER TO SCHEDULE	1.2	0.2	3/4"C, 2#12, #12G	RECEPTACLES	1	20	16
17	20	1	ITEM NO. 141	REFER TO SCHEDULE	0.5	1.8	REFER TO SCHEDULE	ITEM NO. 126	1	20	18
19	20	2	ITEM NO. 130	REFER TO SCHEDULE	1.3	0.0	3/4"C, 2#12, #12G	SHUNT TRIP 120V	1		20
21	–	–	–	–	1.3	0.6	REFER TO SCHEDULE	ITEM NO. 161.4	1	20	22
23	20	2	ITEM NO. 130	REFER TO SCHEDULE	1.3	0.6	REFER TO SCHEDULE	ITEM NO. 161.4	1	20	24
25	–	–	–	–	1.3	0.8	REFER TO SCHEDULE	ITEM NO. 156	1	20	26
27	20	1	ITEM NO. 155	REFER TO SCHEDULE	0.7	0.0	–	SHUNT TRIP 120V	1		28
29		–	SHUNT TRIP 120V	–	0.0	1.8	REFER TO SCHEDULE	ITEM NO. 157.1	1	20	30
31	20	2	ITEM NO. 130	REFER TO SCHEDULE	1.3	0.6	REFER TO SCHEDULE	ITEM NO. 161.1	1	20	32
33	–	–	–	–	1.3	0.8	REFER TO SCHEDULE	ITEM NO. 159	1	20	34
35	20	1	ITEM NO. 159	REFER TO SCHEDULE	0.8	1.2	REFER TO SCHEDULE	ITEM NO. 170	1	20	36
37	20	1	ITEM NO. 170	REFER TO SCHEDULE	1.2	1.2	REFER TO SCHEDULE	ITEM NO. 170	1	20	38
39	20	1	ITEM NO. 170	REFER TO SCHEDULE	1.2	1.2	REFER TO SCHEDULE	ITEM NO. 170	1	20	40
41	20	1	ITEM NO. 170	REFER TO SCHEDULE	1.2	1.2	REFER TO SCHEDULE	ITEM NO. 171	1	20	42
43	20	1	RECEPTACLES	3/4"C, 2#12, #12G	0.4	1.2	REFER TO SCHEDULE	ITEM NO. 171	1	20	44
45	20	1	ITEM NO. E75	REFER TO SCHEDULE	1.8	1.2	REFER TO SCHEDULE	ITEM NO. E78	1	20	46
47	20	1	ITEM NO. E81	REFER TO SCHEDULE	1.4	1.2	REFER TO SCHEDULE	ITEM NO. E78	1	20	48
49	20	1	ITEM NO. 171	REFER TO SCHEDULE	1.2	0.6	3/4"C, 2#12, #12G	RECEPTACLES	1	20	50
51	20	1	ITEM NO. 171	REFER TO SCHEDULE	1.2	0.2	3/4"C, 2#12, #12G	RECEPTACLES – BASEMENT	1	20	52
53	20	1	ITEM NO. 20	REFER TO SCHEDULE	1.4	0.2	3/4"C, 2#12, #12G	RECEPTACLES – BASEMENT	1	20	54
55	20	1	ITEM NO. 17	REFER TO SCHEDULE	0.9	1.2	REFER TO SCHEDULE	ITEM NO. 212	1	20	56
57	20	1	ITEM NO. 174	REFER TO SCHEDULE	0.0	0.0	REFER TO SCHEDULE	ITEM NO. 174	1	20	58
59	20	1	ITEM NO. 174	REFER TO SCHEDULE	0.0	0.0	3/4"C, 2#12, #12G	BOOST RECEPTACLE	1	20	60
61	20	1	BOOST RECEPTACLE	3/4"C, 2#12, #12G	0.0	0.0	–	–	1	20	62
63	20	1	–	–	0.0	0.0	–	–	1	20	64
65	20	1	–	–	0.0	0.0	–	–	1	20	66
67	20	1	–	–	0.0	0.0	–	–	1	20	68
69	20	1	–	–	0.0	0.0	–	–	1	20	70
71	20	1	–	–	0.0	0.0	–	–	1	20	72

TOTALS PER PHASE: A 25.4 | B 18.2 | C 23.2
GRAND TOTAL: 66.8

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CONSULTANT:
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PROJECT:
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CAFE ADDITION AND RENOVATION
735 ANDERSON HILL RD
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REVISIONS

NO.	DATE	DESCRIPTION
1	03/30/2018	ADDENDUM #1

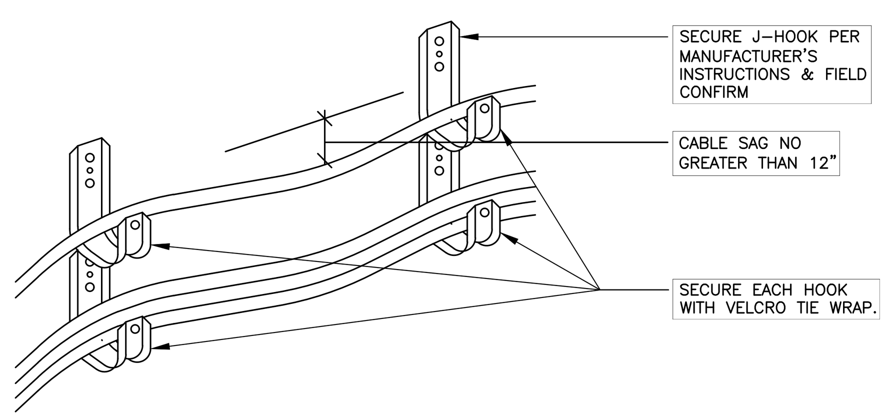
SEAL:

ISSUED FOR: BID
ISSUED DATE: 02.16.2018
DRAWN BY: IES
CHECKED BY: IES
PROJECT NUMBER: 1416244

DRAWING NAME:
ELECTRICAL SCHEDULES

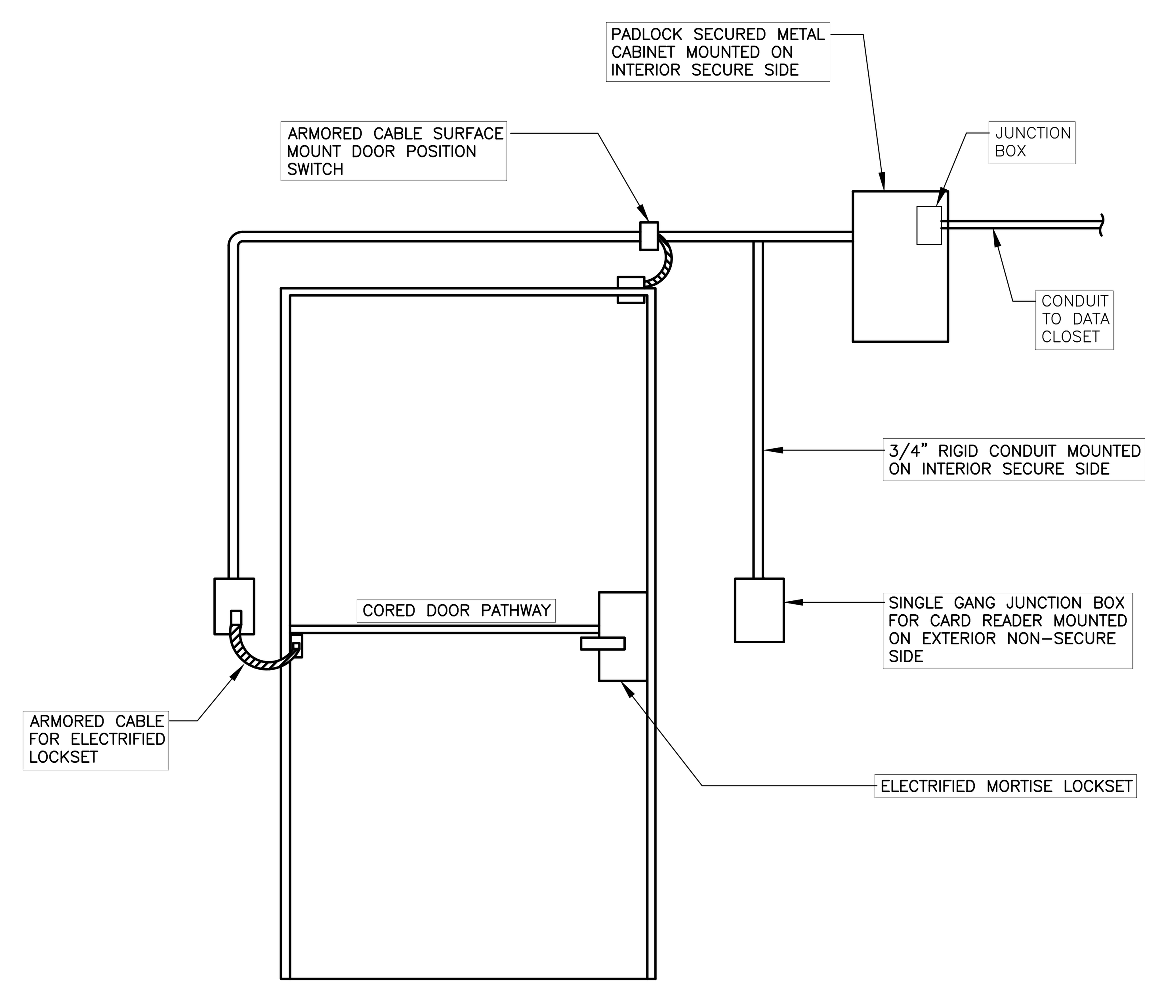
DRAWING NO.
E201

G:\IES Projects\2017 Projects\Team PJP\17163 SUNY Purchase The Hub\Contract Documents\17163-E201.dwg Plotted by sgenova on Mar 30, 2018 - 4:19pm



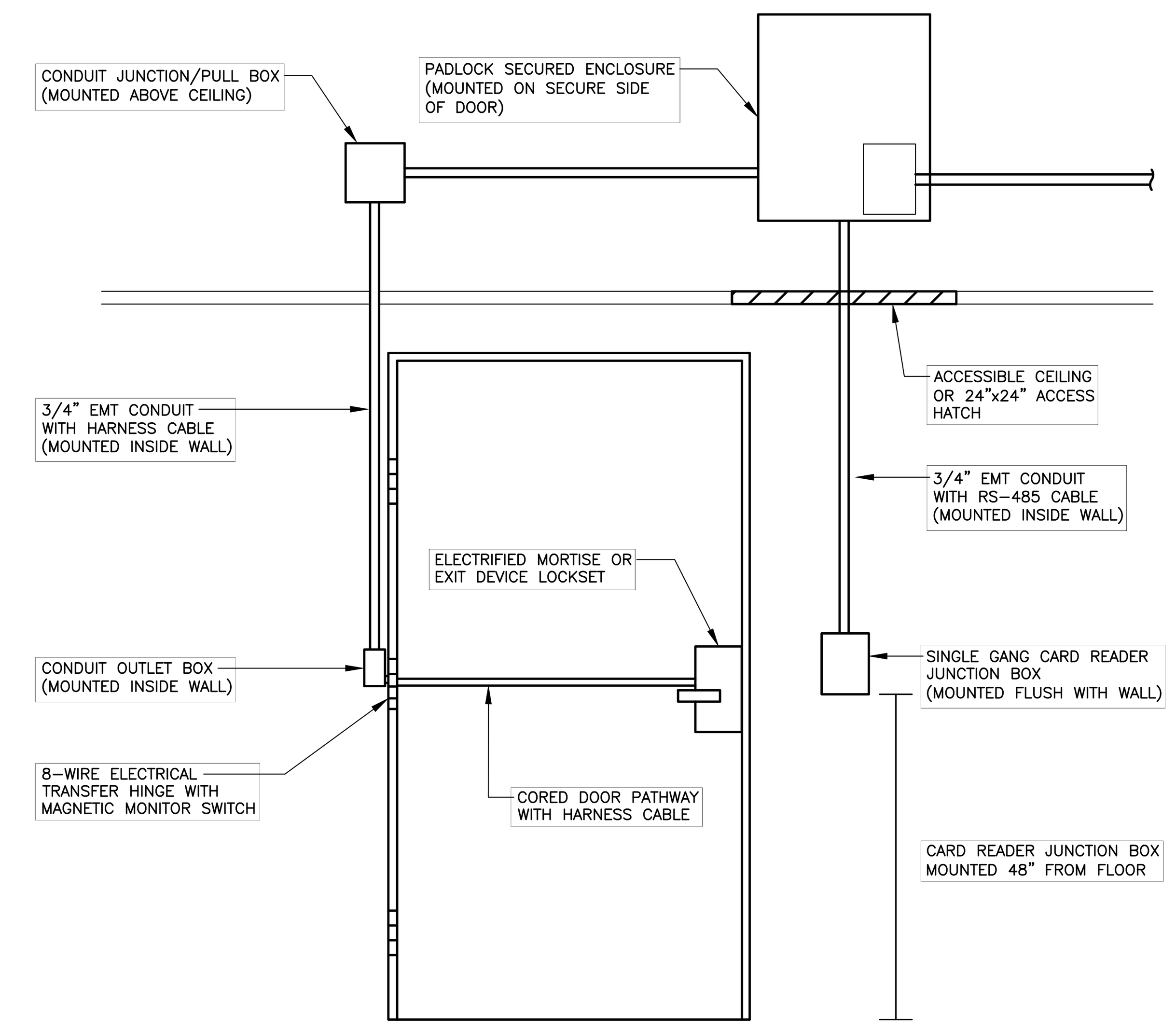
DETAIL: "J" HOOK CABLE HANGER

SCALE: N.T.S.



DOOR DETAIL

N.T.S.



ELECTRONIC ACCESS CONTROL DOOR DETAIL

N.T.S.

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PROJECT:

SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

REVISIONS

NO.	DATE	DESCRIPTION
1	03/30/2018	ADDENDUM #1

SEAL:

ISSUED FOR: BID

ISSUED DATE: 02.16.2018

DRAWN BY: IES

CHECKED BY: IES

PROJECT NUMBER: 1416244

DRAWING NAME:

ELECTRICAL LOW VOLTAGE DETAILS

DRAWING NO.:

E204 1

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FIRE ALARM SYSTEM NOTES

FURNISH AND INSTALL ALL MATERIALS, EQUIPMENT, LABOR AND SERVICE REQUIRED TO EXTEND THE EXISTING FIRE ALARM SYSTEM. ALL NEW EQUIPMENT SHALL BE OF THE SAME MANUFACTURER AS THE PRESENT FIRE ALARM EQUIPMENT UNLESS OTHERWISE NOTED. THE EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH REQUIREMENTS OF THE N.E.C. IN COMPLIANCE WITH THE N.F.P.A. PROVIDE ALL NECESSARY WIRING FOR PROPER WORKING ORDER. ALL WIRING SHALL BE U.L. APPROVED FOR THE APPLICATION AND MEET ALL NATIONAL, STATE AND LOCAL ELECTRICAL CODES, N.F.P.A.

INSTALLATION

FURNISH AND INSTALL THE SYSTEM IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, ALL APPLICABLE CODES AND THE MANUFACTURER'S RECOMMENDATIONS. ALL WIRING SHALL BE INSTALLED IN STRICT COMPLIANCE WITH ALL THE PROVISIONS OF NEC – ARTICLE 760 A AND C, POWER–LIMITED FIRE PROTECTIVE SIGNALING CIRCUITS. UPON COMPLETION, THE CONTRACTOR SHALL SO CERTIFY IN WRITING TO THE OWNER AND GENERAL CONTRACTOR.

FIRE ALARM WIRING – CONCEALED FIRE ALARM WIRING ABOVE CEILING AND WITHIN WALLS SHALL BE IN CONDUIT WITH COPPER CONDUCTORS, 600 VOLTS, 105 DEG. C. INSULATION, COLOR CODED RED. FULLY LISTED AND LABELED BY U.L. FOR FIRE ALARM USE.

ADDRESSABLE INITIATING CIRCUITS – 2C #16 T/P
STROBE CIRCUITS – 2C #12
SPEAKERS – 2C #16 T/S

INITIATION AND NOTIFICATION DEVICE WIRING SHALL BE CONNECTED IN A CLASS 'A' CONFIGURATION.

ALL WIRING SHALL BE INSTALLED IN CONDUIT.

NO SPLICING OF CONDUCTORS IN JUNCTION BOXES OR STAR WIRING ALLOWED. FIRE ALARM CABLING SHALL BE ROUTED FOR DEVICE TO DEVICE UNSPLICED.

ALL JUNCTION BOXES SHALL BE SPRAYED RED AND LABELED 'FIRE ALARM'. WIRING COLOR CODE SHALL BE MAINTAINED THROUGHOUT THE INSTALLATION.

1

PROVIDE SEPARATE FIRE ALARM HARDWARE AND INITIATION LOOP FOR THE DINING AND SUPPORT AREAS.

PROVIDE FIRE ALARM CONTROL MODULE AND CONNECT TO DOOR ACCESS CONTROL SYSTEM.

THE CONTRACTOR SHALL CLEAN ALL DIRT AND DEBRIS FROM THE INSIDE AND OUTSIDE OF THE FIRE ALARM EQUIPMENT AFTER COMPLETION OF THE INSTALLATION.

MONITOR MODULES AND CONTROL MODULES NOT SHOWN ON FLOOR PLANS FOR CLARITY ONLY. CONTRACTOR SHALL PROVIDE ALL REQUIRED MODULES.

THE FIRE ALARM MANUFACTURER'S AUTHORIZED REPRESENTATIVE IS:
RED HAWK FIRE AND SECURITY (NICK DELFICO), 914–769–8900.

THE MANUFACTURER'S AUTHORIZED REPRESENTATIVE SHALL PROVIDE ON–SITE SUPERVISION OF INSTALLATION AND ALL NECESSARY REPROGRAMMING (PROGRAMMING), GRAPHIC SOFTWARE MODIFICATIONS AND VALIDATION OF THE FIRE ALARM SYSTEM.

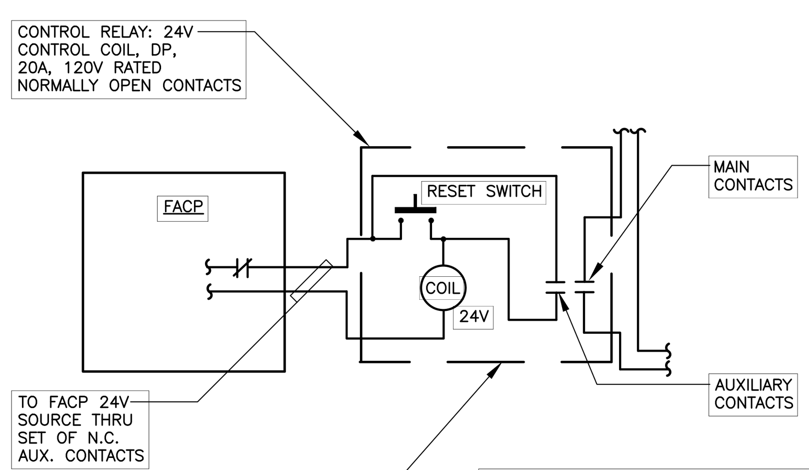
DUCT SMOKE DETECTION

FOR HVAC EQUIPMENT THE CONTRACTOR SHALL PROVIDE DUCT SMOKE DETECTOR(S) AND ASSOCIATED SAMPLING TUBE AND REMOTE TEST SWITCH FOR THE FOLLOWING:

1. DOWNSTREAM OF AIR FILTERS AND AHEAD OF ANY BRANCH CONNECTIONS IN AIR SUPPLY SYSTEM HAVING A CAPACITY GREATER THAN 2,000 CFM.

DIVISION 26 SHALL FURNISH AND WIRE ALL EQUIPMENT AND DEVICES, DIVISION 23 SHALL INSTALL DUCT DETECTOR(S) AND ASSOCIATED SAMPLING TUBE, DIVISION 26 SHALL INSTALL REMOTE TEST SWITCH; COORDINATE EXACT LOCATION WITH AHJ. COORDINATE EXACT SAMPLING TUBE REQUIREMENTS WITH DIVISION 23.

DIVISION 26 SHALL PROVIDE CONTROLS REQUIRED FOR AUTOMATIC FAN SHUTDOWN IN THE EVENT OF A FIRE ALARM CONDITION. SEE "TYPICAL FAN RESET DETAIL". COORDINATE EXACT REQUIREMENTS WITH DIVISION 23.



FAN SHUTDOWN RELAY WITH 24V CONTROL COIL – CONTROLLED FROM FACP FOR FAN SHUTDOWN ON ANY ALARM CONDITION – PROVIDE WITH MOMENTARY CONTACT START BUTTON FOR MANUAL RESTART AFTER ALARM IS CLEARED – ALL RESTART BUTTONS SHALL BE MOUNTED IN COMMON FAN RESET PANEL LOCATED WITH FACP.

FAN SHUTDOWN NOTES

1. ELECTRICAL CONTRACTOR SHALL PROVIDE COMMON FAN SHUTDOWN CIRCUIT FROM AUXILIARY CONTACTS IN FACP FOR FAN SHUTDOWN ON ANY ALARM CONDITION. CIRCUIT SHALL BE WIRED THROUGH CONTROL PANEL POWER CIRCUIT SUCH THAT CONTRACTOR SHALL PROVIDE ALL REQUIRED RELAYS AND SWITCHES AND COORDINATE WITH MECHANICAL EQUIPMENT SUPPLIER'S DETAILS AND WIRING DIAGRAMS.

TYPICAL FAN RESET DETAIL

SCALE: N.T.S.

ABOVE DETAIL IS FOR INFORMATION PURPOSES ONLY AND MAY NEED TO BE ADJUSTED TO SUIT FIELD CONDITION.

ABBREVIATIONS

A	AMPERE
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CL	MOUNTED IN CEILING
CKT	CIRCUIT
DW	DISHWASHER
DWG	DRAWING
ELEC	ELECTRICAL
EM	EMERGENCY POWER CIRCUIT
ER	EXISTING TO REMAIN
FL	FLOOR
G	GROUND
GF	GROUND FAULT CIRCUIT INTERRUPTER
JB	JUNCTION BOX
LTG	LIGHTING
MTD	MOUNTED
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OD	OUTDOOR
OHD	OVERHEAD DOOR
P	POLE
PH	PHASE
R	REFRIGERATOR
RE	RELOCATED EXISTING
RRE	REMOVE AND REPLACE
RR	REMOVE AND RELOCATE
UON	UNLESS OTHERWISE NOTED
V	VOLT
W	WATT
WP	WEATHERPROOF

LIGHTING SPECIFICATIONS

LIGHTING FIXTURE TYPE A

MANUFACTURER	LITHONIA
CATALOG NO.	2GTL–4–30L–FW–A19–MVOLT–EZ1–LP835–ABC
FIXTURE DESCRIPTION	2'x4'
VOLTAGE	MVOLT
LAMP & DESIGNATION	LED 27W, 3000L, 3500K
DRIVER	LED
MOUNTING	RECESSED GRID
HOUSING	STEEL
LENS/LOUVER	FLUSH ALUMINUM WHITE
REMARKS	DOOR FRAME GASKETING

LIGHTING FIXTURE TYPE A1

MANUFACTURER	LITHONIA
CATALOG NO.	2GTL–4–30L–FW–A19–MVOLT–EZ1–LP835
FIXTURE DESCRIPTION	2'x4'
VOLTAGE	MULTIVOLT
LAMP & DESIGNATION	LED 27W, 3000L, 3500K
DRIVER	LED
MOUNTING	RECESSED GRID
HOUSING	STEEL
LENS/LOUVER	FLUSH ALUMINUM WHITE
REMARKS	–

LIGHTING FIXTURE TYPE A2 A2

MANUFACTURER	LITHONIA
CATALOG NO.	2GTL–2–20L–FW–A19–MVOLT–EZ1–LP835–ABC
FIXTURE DESCRIPTION	2'x2'
VOLTAGE	MVOLT
LAMP & DESIGNATION	LED 17W, 2000L, 3500K
DRIVER	LED
MOUNTING	RECESSED GRID
HOUSING	STEEL
LENS/LOUVER	FLUSH ALUMINUM WHITE
REMARKS	DOOR FRAME GASKETING

LIGHTING FIXTURE TYPE B EM

MANUFACTURER	BETA CALCO
CATALOG NO.	20–1821–35
FIXTURE DESCRIPTION	16" PENDANT
VOLTAGE	120/277V
LAMP & DESIGNATION	LED 57W, 6187L, 3500K
DRIVER	0–10V DIMMING
MOUNTING	PENDANT
HOUSING	STEEL/ALUMINUM
LENS/LOUVER	CLEAR PRISMATIC ACRYLIC
REMARKS	–

LIGHTING FIXTURE TYPE C EM

MANUFACTURER	LITE CONTROL
CATALOG NO.	3L–P–AD–04–S0F–C3–35K–DOXXX–D01–1C–UNV–FAX
FIXTURE DESCRIPTION	4FT LED PENDANT DIRECT
VOLTAGE	UNIVERSAL VOLTAGE
LAMP & DESIGNATION	LED, XXXLUMENS, 3500K
DRIVER	0–10V DIMMING
MOUNTING	AIRCRAFT SUSPENSION KIT X" TBD
HOUSING	EXTRUDED ALUMINUM
LENS/LOUVER	SOFT DIFFUSER ACRYLIC LENS
REMARKS	–

1

LIGHTING FIXTURE TYPE D D

MANUFACTURER	JUNO LIGHTING
CATALOG NO.	L8–23LM–35–120–G3–90–ZT–P–CS–PF
FIXTURE DESCRIPTION	8" DIA. RECESSED DOWNLIGHT
VOLTAGE	120
LAMP & DESIGNATION	LED
BALLAST	LED DRIVER
MOUNTING	RECESSED
HOUSING	STEEL
LENS/LOUVER	PRISMATIC LENS, CLEAR SPECULAR, WHITE TRIM
REMARKS	0–10V DIMMING

LIGHTING FIXTURE TYPE E

MANUFACTURER	LITHONIA LIGHTING
CATALOG NO.	ELM2 LED SD
FIXTURE DESCRIPTION	EMERGENCY LIGHTING UNIT
VOLTAGE	120
LAMP & DESIGNATION	(2) 1.5W/3.6V LED
DRIVER	N/A
MOUNTING	SURFACE
HOUSING	THERMOPLASTIC, WHITE
LENS/LOUVER	N/A
REMARKS	MAINTENANCE–FREE NICKLE CADMIUM BATTERY AND CHARGER, 90 MINUTES RUN–TIME, SELF–DIAGNOSTICS; WIRE TO UNSWITCHED PORTION OF LIGHTING BRANCH CIRCUIT SERVING AREA BEING ILLUMINATED.

LIGHTING FIXTURE TYPE F F

MANUFACTURER	MERCURY LIGHTING
CATALOG NO.	LW4–4–3800–35K–HTA–SXX–UNI
FIXTURE DESCRIPTION	4' LINEAR LUMINAIRE
VOLTAGE	120
LAMP & DESIGNATION	32W LED, 3800 LUMENS
DRIVER	ELECTRONIC
MOUNTING	SURFACE
HOUSING	STEEL
LENS/LOUVER	PRISMATIC
REMARKS	–

LIGHTING FIXTURE TYPE G G

MANUFACTURER	LITHONIA LIGHTING
CATALOG NO.	2ALL2–33L–EZ1–LP835
FIXTURE DESCRIPTION	2'X2' VOLUMETRIC LUMINAIRE
VOLTAGE	120
LAMP & DESIGNATION	LED 29W, 3300 LUMENS, 3500K
DRIVER	LED
MOUNTING	RECESSED
HOUSING	STEEL, WHITE
LENS/LOUVER	DIFFUSER/REFRACTOR
REMARKS	–

LIGHTING FIXTURE TYPE L

MANUFACTURER	NORA LIGHTING
CATALOG NO.	NTS–733CL / NHR–150
FIXTURE DESCRIPTION	7" DOWNLIGHT
VOLTAGE	120
LAMP & DESIGNATION	150W A21/PAR38
DRIVER	N/A
MOUNTING	RECESSED
HOUSING	ALUMINUM
LENS/LOUVER	CLEAR GLASS LENS, CLEAR REFLECTOR
REMARKS	–

LIGHTING FIXTURE TYPE H H

MANUFACTURER	LITHONIA LIGHTING
CATALOG NO.	LDN6–35/15–L06AR–LSS–MVOLT–EZ1
FIXTURE DESCRIPTION	6" DIA. OPEN DOWNLIGHT
VOLTAGE	120
LAMP & DESIGNATION	26W LED, 1500 LUMENS
DRIVER	ELECTRONIC
MOUNTING	RECESSED
HOUSING	STEEL
LENS/LOUVER	–
REMARKS	–

LIGHTING FIXTURE TYPE PL–1

MANUFACTURER	PABLO STUDIO
CATALOG NO.	PBL–SWELL–STRING–3–MIXED–SUSP–BLACK
FIXTURE DESCRIPTION	MODULAR LED LIGHTING SYSTEM
VOLTAGE	120
LAMP & DESIGNATION	PAR LED, 14.5W, 3000K, 800 LUMENS
DRIVER	N/A
MOUNTING	PENDANT
HOUSING	STEEL
LENS/LOUVER	–
REMARKS	–

LIGHTING FIXTURE TYPE PL–2

MANUFACTURER	LIGHTYEAR
CATALOG NO.	LTY–CARAVAGGIO–CAR300–BLACK WITH RED CORD
FIXTURE DESCRIPTION	PENDANT
VOLTAGE	120
LAMP & DESIGNATION	LED A19, E26 MEDIUM BASE
DRIVER	N/A
MOUNTING	SURFACE, PENDANT
HOUSING	HIGH GLOSS LACQUER
LENS/LOUVER	–
REMARKS	–

LIGHTING FIXTURE TYPE PL–3

MANUFACTURER	TECH LIGHTING
CATALOG NO.	TD–SO–S–CF
FIXTURE DESCRIPTION	PENDANT LIGHT
VOLTAGE	120
LAMP & DESIGNATION	LED G40, 15W, 900 LUMENS, 3000K
DRIVER	N/A
MOUNTING	SURFACE, PENDANT
HOUSING	NICKEL
LENS/LOUVER	GLASS GLOBE DIFFUSER
REMARKS	–

LIGHTING FIXTURE TYPE PL–7

MANUFACTURER	BARN LIGHT ELECTRIC CO.
CATALOG NO.	RLM SERIES, G–SBD16 'THE DISTRICT'
FIXTURE DESCRIPTION	16" DIA. GOOSENECK LIGHT
VOLTAGE	120
LAMP & DESIGNATION	LED / TBD
DRIVER	LED / TBD
MOUNTING	SURFACE, WALL
HOUSING	BLACK
LENS/LOUVER	–
REMARKS	–

LIGHTING FIXTURE TYPE PL–8

MANUFACTURER	BARN LIGHT ELECTRIC CO.
CATALOG NO.	RLM SERIES, G–SBD14 'THE DISTRICT'
FIXTURE DESCRIPTION	14" DIA. GOOSENECK LIGHT
VOLTAGE	120
LAMP & DESIGNATION	LED / TBD
DRIVER	LED / TBD
MOUNTING	SURFACE, WALL
HOUSING	WHITE
LENS/LOUVER	–
REMARKS	–

LIGHTING FIXTURE TYPE X X1

MANUFACTURER	EXITRONIX
CATALOG NO.	902E–U–LB–RC–BA
FIXTURE DESCRIPTION	EDGE–LIT EXIT SIGN, SINGLE–FACE ON MIRROR
VOLTAGE	120
LAMP & DESIGNATION	LED
BALLAST	–
MOUNTING	UNIVERSAL, CEILING OR WALL
HOUSING	EXTRUDED ALUMINUM
LENS/LOUVER	GREEN LETTERS
REMARKS	CONNECT TO LIFE SAFETY CIRCUIT. TYPE 'X1' SAME AS TYPE 'X' EXCEPT DOUBLE FACE WITH MIRROR BACKGROUND, MODEL # 903E–U–LB–RM–BA)

LIGHTING SCHEDULE NOTES:

1. ALL LAMP COLORS SHALL BE 3500K UNLESS OTHERWISE SPECIFIED.
2. CONFIRM FINISHES OF ALL FIXTURES WITH ARCHITECTURAL PLANS.
3. CONFIRM CEILING TYPES AND MOUNTING HEIGHTS OF ALL FIXTURES WITH ARCHITECTURAL PLANS.
4. HALF–SHADED LIGHT FIXTURE, OR WITH 'EM' SUBSCRIPT, REQUIRES CONNECTION TO LIFE SAFETY CIRCUIT WITH USE OF EMERGENCY POWER CONTROL (EPC) DEVICE.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
S	SINGLE POLE TOGGLE SWITCH
S2	TWO POLE TOGGLE SWITCH
S3	THREE WAY TOGGLE SWITCH
S4	FOUR WAY TOGGLE SWITCH
SD	SINGLE POLE DIMMER SWITCH
S3D	THREE WAY DIMMER SWITCH
SF	FAN SWITCH
SK	SINGLE POLE KEY SWITCH
S3K	THREE WAY KEY SWITCH
S4K	FOUR WAY KEY SWITCH
SO	OCCUPANCY SENSOR SWITCH
SPO	EMERGENCY POWER OFF SWITCH
SMT	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION
	PUSHBUTTON
	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER
	DOUBLE DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER
	OUTLET TO SUIT EQUIPMENT (CONTRACTOR TO VERIFY)
	EXISTING PANELBOARD/LOAD CENTER
	208Y/120V PANEL
	CONDUIT AND WIRE
	CONDUIT AND WIRE, SWITCHED
1,LP	HOMERUN TO PANELBOARD, NUMBERS/LETTERS INDICATE CIRCUIT AND PANELBOARD TERMINATION UNLESS OTHERWISE INDICATED.
J	JUNCTION BOX
M	MOTOR
	SAFETY DISCONNECT SWITCH
	FUSIBLE SAFETY DISCONNECT SWITCH
	FIRE ALARM MAGNETIC DOOR HOLDER
SEC	SECURITY PANEL
	DATA OUTLET
TC	TIME CLOCK SWITCH
FACP	FIRE ALARM CONTROL PANEL
FARA	FIRE ALARM REMOTE ANNUNCIATOR PANEL
S	FIRE ALARM SMOKE DETECTOR
S D	FIRE ALARM DUCT SMOKE DETECTOR
H	FIRE ALARM THERMAL DETECTOR
M	FIRE ALARM MONITOR MODULE
R	FIRE ALARM RELAY MODULE
C	FIRE ALARM CONTROL MODULE
RT	FIRE ALARM REMOTE TEST SWITCH
F	FIRE ALARM MANUAL PULL STATION
EPC	EMERGENCY POWER CONTROL, MODEL EPC MANUFACTURED BY LVS, INC.
CL	FIRE ALARM SPEAKER/STROBE UNIT; 'CL' SUBSCRIPT WHERE SHOWN INDICATES 'CEILING MOUNTED'.
	FIRE ALARM STROBE ONLY UNIT
	PUSHPLATE
WAP	WIRELESS ACCESS POINT
OS	OCCUPANCY SENSOR, STANDARD RANGE, CEILING MOUNT, LOW–VOLTAGE, DUAL TECHNOLOGY, ACUITY CONTROLS #CM–PDT–9–RJB.
OS 1	OCCUPANCY SENSOR, EXTENDED RANGE, CEILING MOUNT, LOW–VOLTAGE, DUAL TECHNOLOGY, ACUITY CONTROLS #nCM–PDT–10–RJB.
OS 2	OCCUPANCY SENSOR, EXTENDED RANGE, CEILING MOUNT, LOW–VOLTAGE, PASSIVE INFRARED ONLY, ACUITY CONTROLS #nCM–10–RJB.
PC	PHOTOCELL, AUTOMATIC DIMMING CONTROL, LOW VOLTAGE, CEILING MOUNT, ACUITY CONTROLS #nCM–ADCX.
PP	POWER/RELAY PACK, ACUITY CONTROLS #PP–20.
PP D	POWER/RELAY PACK WITH 0–10VDC DIMMING OUTPUT FOR DIMMABLE LIGHT FIXTURES, ACUITY CONTROLS #nPP16–D.
S2P	LIGHTING CONTROL WALL POD STATION, TWO (2) CHANNELS, ON/OFF + RAISE/LOWER, ACUITY CONTROLS #nPODM–2P–DX–WH.

GENERAL NOTES

1. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED FOR A COMPLETE, FULLY OPERABLE INSTALLATION. ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST APPROVED ISSUE OF THE NFPA 70, NATIONAL ELECTRIC CODE (NEC) AND APPLICABLE LOCAL CODES.
2. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID TO ASCERTAIN FIELD CONDITIONS AS THEY EXIST AND JUDGE THEIR EFFECT ON THE WORK TO BE DONE. NO ALLOWANCE WILL BE MADE FOR FAILURE TO VISIT THE JOB SITE AND MAKE THIS DETERMINATION.
3. THE DRAWINGS SHOW THE GENERAL LAYOUT AND SOME OF THE DETAIL, BUT THEY DO NOT SHOW EVERY FITTING, BEND, ... ETC. ELECTRICAL CONTRACTOR SHALL PROVIDE SUCH MATERIALS TO MAKE A COMPLETE INSTALLATION.
4. DO NOT SCALE DRAWINGS; ACTUAL FIELD MEASUREMENTS AND DIMENSIONS TAKE PRECEDENCE IN ALL CASES.
5. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT, AIA DOCUMENT 201, LATEST EDITION.
6. ELECTRICAL CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND OR REQUIREMENTS FOR PROPER OPERATION AND MAINTENANCE.
7. ELECTRICAL CONTRACTOR SHALL GIVE OWNER 10 DAYS ADVANCE NOTICE OF SHUTDOWNS. SHUTDOWNS TO BE KEPT TO A MINIMUM. AT NO TIME SHALL THE BUILDING/SPACE BE LEFT WITHOUT COMMERCIAL POWER IN FULL OPERATING ORDER.
8. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING OF ALL PHASES OF THE WORK AND TO DEMONSTRATE TO OWNER THAT THE EQUIPMENT IS IN FULL OPERATING ORDER.
9. ELECTRICAL CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED TO THEIR ORIGINAL CONDITION. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, PATCHING, PAINTING, CLEAN–UP, ELECTRICAL DEBRIS REMOVAL AND GENERAL COORDINATION OF THE WORK EFFORT AS REQUIRED FOR THE INSTALLATION OF THE ELECTRICAL ITEMS OF WORK.
10. THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL IN COMPLETE WORKING ORDER.
11. THE SCOPE OF WORK IS AS SHOWN ON THE PLANS AND DETAILED IN THE SPECIFICATIONS.
12. ALL THE WIRE SIZES ARE BASED ON COPPER, ALUMINUM IS NOT TO BE USED.
13. ALL WIRING METHODS ARE TO BE IN ACCORDANCE WITH THE CURRENT ISSUE OF THE NATIONAL ELECTRICAL CODE, AND APPLICABLE LOCAL CODES. ALL WIRING IS TO BE IN CONDUIT, UNLESS SPECIFICALLY NOTED OTHERWISE. ALL WIRING IS TO BE CONCEALED.
14. PROVIDE INDEPENDENT SEISMIC SUPPORT OF ALL ELECTRICAL EQUIPMENT PER IBC CODE.
15. ELECTRICAL CONTRACTOR SHALL SECURE ALL PERMITS AND PAY FOR ALL REQUIRED FEES, INCLUDING ALL UTILITY FEES.
16. ELECTRICAL CONTRACTOR SHALL WARRANT AND GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.
17. ELECTRICAL CONTRACTOR SHALL PROVIDE PROOF OF LIABILITY AND PROPERTY INSURANCE TO THE OWNER. ALL DEDUCTIBLES SHALL BE PAID FOR BY THE ELECTRICAL CONTRACTOR IN THE EVENT OF A CLAIM.
18. PERSONNEL SAFETY IS OF PRIME IMPORTANCE. NO HAZARDOUS CONDITION MUST BE ALLOWED. EVERY CARE MUST BE TAKEN TO PROTECT CONSTRUCTION AND OTHER PERSONNEL. CLEANUP IS TO BE DONE ON A DAILY BASIS. ELECTRICAL CONTRACTOR TO REMOVE AND DISPOSE OF REFUSE FROM SITE.
19. ELECTRICAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL FOR ALL LIGHTING FIXTURES, PANELS, SWITCHES, RECEPTACLES, ... ETC.
20. ELECTRICAL CONTRACTOR TO VERIFY LIGHTING FIXTURE MOUNTING REQUIREMENTS FOR VARIOUS CEILING TYPES AND ORDER APPROPRIATE HARDWARE.
21. REMOVAL OF EXISTING ELECTRICAL EQUIPMENT, PANELS, SWITCHES, RECEPTACLES, CONDUIT, WIRE TIME CLOCKS, EMERGENCY LIGHTING UNITS, FIXTURES... ETC... ARE A PART OF THE SCOPE OF WORK. ALL UNUSED ELECTRICALS SHALL BE REMOVED AS MUCH AS POSSIBLE. THE ELECTRICAL PLANS DO NOT SHOW ALL OF THE EQUIPMENT TO BE REMOVED. PROVIDE TEMPORARY EXTENSION OF SYSTEMS SUCH THAT CRITICAL SYSTEMS MAY BE KEPT IN PARTIAL OPERATION DURING THE CONSTRUCTION EFFORT.
22. COORDINATE EXACT PLACEMENT OF EQUIPMENT WITH ARCHITECTURAL AND MECHANICAL PLANS, MAKE FIELD ADJUSTMENTS AS REQUIRED TO AVOID CONFLICTS, VERIFY WITH OWNER.
23. ELECTRICAL CONTRACTOR TO COORDINATE WITH ARCHITECTURAL AND MECHANICAL CONTRACTOR FOR ITEMS SUPPLIED BY THE MECHANICAL/OTHER DIVISIONS BUT INSTALLED BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO REVIEW ALL THE PLANS FOR THE PROJECT FOR ELECTRICAL WORK.
24. ELECTRICAL CONTRACTOR TO VERIFY ALL EQUIPMENT POWER NEEDS WITH THE ACTUAL SHOP DRAWINGS FOR THE EQUIPMENT TO BE USED, PRIOR TO STARTING ANY ELECTRICAL WORK.
25. ALL ELECTRICAL PENETRATIONS TO BE FIREPROOFED TO MAINTAIN INTEGRITY OF FIRE WALLS/FLOORS/CEILINGS.
26. PROVIDE LAMICOID NAMEPLATES FOR ALL ELECTRICAL DISTRIBUTION AND DISCONNECT EQUIPMENT.
27. THE DISPOSAL OF ALL UNUSED EXISTING ELECTRICAL EQUIPMENT REMOVED IS A PART OF THE SCOPE OF WORK. THE ELECTRICAL CONTRACTOR SHALL DISPOSE OF ALL ELECTRICAL EQUIPMENT, INCLUDING HAZARDOUS PCB CONTAINING BALLASTS, IN A MANNER CONSISTENT WITH STATE OF CT. DEPARTMENT OF ENVIRONMENTAL REGULATIONS, CURRENT ISSUE.
28. SHARED NEUTRALS ARE NOT TO BE USED. PROVIDE SEPARATE NEUTRALS FOR ALL CIRCUITS.
29. PRIOR TO SUBMISSION OF BIDS GIVE WRITTEN NOTICE TO ARCHITECT AND ENGINEER OF ANY MATERIAL OR APPARATUS THAT IS INADEQUATE, UNSUITABLE FOR THE USE, IN VIOLATION OF ANY LAWS, ORDINANCES, RULES, CODES OR ANY REGULATIONS OF AUTHORITIES HAVING JURISDICTION OR ANY NECESSARY ITEMS OF WORK THAT HAS BEEN OMITTED. CONTRACTOR SHALL BE RESPONSIBLE FOR INCLUDING ALL NECESSARY ITEMS WITHOUT ADDITIONAL EXTRA COMPENSATION.
30. ALL PART NUMBERS ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THEY ARE NOT TO BE CONSIDERED THE COMPLETE SPECIFICATION OF THE PRODUCT. THE PART NUMBER AND DESCRIPTION WILL BE THE COMPLETE SPECIFICATION. IN THE EVENT OF A DISCREPANCY BETWEEN THE TWO, THE MORE STRINGENT, MORE COSTLY FEATURE/PERFORMANCE WILL BE REQUIRED.
31. FOR ALL ROOFTOP OR GRADE LEVEL HVAC EQUIPMENT, THE ELECTRICAL CONTRACTOR SHALL SUPPLY A GFCI WP, 20A RECEPTACLE FOR EQUIPMENT SERVICING. ALL DISCONNECT SWITCHES ARE TO BE HEAVY DUTY, FUSED, WEATHER PROOF (WP) DEVICES.
32. AT THE CONCLUSION OF THE PROJECT WHILE THE PROJECT IS OCCUPIED AND OPERATING NORMALLY, THE CONTRACTOR IS TO TAKE AND RECORD OPERATING CURRENTS IN THE DISTRIBUTION SYSTEM AND REPORT THESE READINGS TO THE ENGINEER FOR EVALUATION. ENGINEER SHOULD BE ADVISED WHEN THE READINGS ARE TO BE MADE SO THAT HE MAY ATTEND AND WITNESS SAME.
33. RISER DIAGRAMS ARE PROVIDED TO SHOW DIAGRAMMATIC GENERAL WIRING REQUIREMENTS. WIRING IS TO BE PROVIDED FOR THE PARTICULAR VENDOR/SYSTEM APPROVED FOR THE PROJECT. ALL WIRING IS TO BE CONCEALED.
34. ALL WIRING IN AIR PLENUM CEILINGS SHALL BE TEFLON COATED AND RATED FOR USE WITHIN THE PLENUM.
35. NO LOW VOLTAGE WIRING SHALL BE PERMITTED IN THE SAME RACEWAY AS POWER WIRING.
36. EMERGENCY SERVICES SHALL BE RUN IN SEPARATE RACEWAYS FROM ALL OTHER SYSTEMS.
37. PROVIDE DRAG LINES IN ALL EMPTY RACEWAYS.
38. CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. THE ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD, TO BALANCE CIRCUITS EVENLY ON ALL PHASES.
39. REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES AND OUTLETS.
40. –
41. CONTRACTOR TO PROVIDE ALL TEMPORARY POWER FOR THE PROJECT. PROVIDE ALL UTILITY COMPANY COORDINATION FOR ALL SERVICES.
42. –
43. FOR ALL WALL/CEILING BOXES FOR DATA COMMUNICATIONS PROVIDE 3/4"C EMPTY CONDUITS TO HUNG CEILING OR OTHER ACCESSIBLE SPACE. INSTALL A DRAG WIRE.
44. ELECTRICAL CONTRACTOR SHALL PAY ANY ADDITIONAL COST FOR THE UTILITY WORK ASSOCIATED WITH THE PROJECT.
45. PROVIDE UPDATED DIRECTORY OF EACH AND EVERY EXISTING PANELBOARD/LOAD CENTER AFFECTED BY THIS ALTERATION.
46. MINIMUM CONDUCTOR SIZE FOR A FULLY LOADED 20A CIRCUIT, UNLESS OTHERWISE NOTED, SHALL BE #12 FOR ALL BRANCH CIRCUIT RUNS UP TO THE FIRST OUTLET; OVER 60 FEET, #10; OVER 105 FEET, #8; INCREASE CONDUIT SIZE TO SUIT.
47. ELECTRICAL CONTRACTOR TO VERIFY LOADS, SETTINGS, OVERCURRENT PROTECTION... ETC TO INSURE COMPATIBILITY OF EQUIPMENT.
48. DISCONNECT SWITCHES AND CIRCUIT BREAKER USED AS SWITCHES SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES AND THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE "NEC" SECTION 404.8. ALL DISCONNECT SWITCHES AND CIRCUIT BREAKERS SHALL BE LOCATED SO THAT THEY MAY BE OPERATED FROM A READILY ACCESSIBLE PLACE. THEY SHALL BE INSTALLED SUCH THAT THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF THE SWITCH OR CIRCUIT BREAKER, WHEN IN ITS HIGHEST POSITION, IS NOT MORE THAN 6'–7" ABOVE THE FLOOR OR WORKING PLATFORM.
49. ALL DISCONNECT SWITCHES AND CIRCUIT BREAKER SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES AND THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE "NEC" SECTION 110.26 TABLE 110.26(A)(1).
50. IN ADDITION TO THE REQUIREMENTS SHOWN FOR LOW VOLTAGE EQUIPMENT AND RACEWAYS, THE ELECTRICAL SHALL CARRY AN ALLOWANCE FOR FINAL COORDINATION AND INSTALLATION OF ALL RACEWAYS AND SLEEVES REQUIRED TO FACILITATE THE LOW VOLTAGE CONSULTANT WORK.

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REVISIONS

NO.	DATE	DESCRIPTION
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ELECTRICAL NOTES, LEGENDS, AND DETAILS

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