PHASE ZERO DESIGN

ADDENDUM 002

Date:	April 12, 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:

- See attached list of Pre-Bid walkthrough attendance and provided business cards.
- Note: Asbestos abatement is to be completed by others prior to start of construction by others.
- Note: FFE is to be provided by others, GC is to coordinate MEP with FFE items.
- Note: Basement Heights are provided within drawings. GC to coordinate final ceiling with mechanical equipment and architect where ceiling heights conflict.
- Note: Window sizes where window film is to be applied: Pizza area, 21'-0" x 11'-10" (+/-). Storage (115) window size is 21'-5" x 11'-10" (+/-)
- Note: The structural drawing from Addendum 1. See drawing below.
- Note: See attached "Addendum No. 2 List" and drawings from Innovative Engineering Services, Inc. for MEP comments.
- 4" sprinkler main in corridor 002 is shown, Contractor is responsible for all distribution and branch piping from the main. There isn't any existing sprinkler piping in the building.
- The existing pneumatic controls are to be reused as part of this project.

DRAWING COMMENTS:

G000, Sheet Index

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

Eight Wilcox Street, Simsbury, Connecticut 06070
T 860-264-1624 | F 860-264-1628 | www.phasezerodesign.com

AD101, Detail 1

- CLARIFICATION: Note has been revised regarding existing storefront panel that is to be removed to accommodate new door.

A102, Detail 2

- ADD: Notes have been added for additional clarification.

A103, Coded Note 7

- CLARIFICATION: Coded note 7 has been revised.
- ADD: Coded note 8 has been added.

A201, Detail 1

- CLARIFICATION: Soffit heights have been revised.
- CLARIFICATION: Sloped ceiling height note has been revised

A202, Detail 7

- ADD: A Note has been added to detail 7.

A501, Door Schedule

- CLARIFICATION: Door schedule has been revised.

A502, Frame E and F

- Clarification: Height of storefront has been revised.

A503, Frame I

- Clarification: Frame I has been resized.

A505, Detail S5

- Change: Detail title has changed.

A700, Add

- ADD: Drawing A700 has been added for reference of final college room numbers.

A701, Add

- ADD: Drawing A701 has been added for reference of final college room numbers.

V112, Detail 1

- CHANGE: Soffit heights have been revised.

Eight Wilcox Street, Simsbury, Connecticut 06070
T 860-264-1624 | F 860-264-1628 | www.phasezerodesign.com

PHASE ZERO DESIGN

PROJECT MANUAL COMMENTS

087100 – Door Hardware

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

End of Architectural Addendum #2

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

Phase Zero Design INC

Christopher T. Milliard
Associate/Project Manager

Eight Wilcox Street, Simsbury, Connecticut 06070
T 860-264-1624 | F 860-264-1628 | www.phasezerodesign.com

INNOVATIVE ENGINEERING SERVICES, LLC

AN INTEGRATED ENGINEERING + DESIGN FIRM

Addendum No. 2 List

Date: April 12, 2018

SUNY Purchase The Hub
17163

Electrical

DE101	First Floor Electrical Demolition Plan
E100	Basement Power Plan
E102	First Floor Power Plan
E103	First Floor Lighting Plan
E201	Electrical Schedules
E202	Electrical Schedules
E205	Electrical Notes, Legends, and Details

Plumbing

DP100	Basement Plumbing Demolition Plan
DP101	First Floor Plumbing Demolition Plan

Specifications

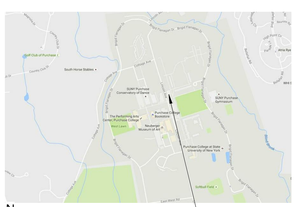
PHASE ZERO DESIGN

SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

ISSUED FOR: ADDENDUM 2, 04.12.2018



N

SUNY PURCHASE COLLEGE
735 ANDERSON HILL RD
PURCHASE, NY 10577

LOCUS PLAN

N

PROJECT LOCATION
THE HUB AT PURCHASE COLLEGE

KEY PLAN

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 DESCRIPTION

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
136 WEST ST. #103
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

SZEWCZAK ASSOCIATES STRUCTURAL ENGINEERS
200 FISHER DRIVE
AVON, CT, 06001
T: 860.677.4570
CONTACT: RICH SZEWCZAK
E-MAIL: richard@szewczakassociates.com

DESIGN CONSULTANT

VISION BUILDERS
305 FOSTER AVE, SUITE 100
CHARLOTTE, NC 28203
T: 704.405.3106
CONTACT: KEITH FENNELLY
E-MAIL: keith@visionbuildersusa.com

PROJECT TEAM

SHEET INDEX

		ISSUED FOR:	ISSUE DATE:
GENERAL			
G000	TITLE SHEET	ADDENDUM 2	04.12.2018
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	ADDENDUM 2	04.12.2018
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 2	04.12.2018
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	ADDENDUM 2	04.12.2018
A502	ALUMINUM FRAME ELEVATIONS I	ADDENDUM 2	04.12.2018
A503	ALUMINUM FRAME ELEVATIONS II	ADDENDUM 2	04.12.2018
A504	ALUMINUM FRAME DETAILS I	BID	02.16.2018
A505	ALUMINUM FRAME DETAILS II	ADDENDUM 2	04.12.2018
A601	MISCELLANEOUS DETAILS I	BID	02.16.2018
A700	BASEMENT ROOM NUMBER REFERENCE PLAN	ADDENDUM 2	04.12.2018
A701	FIRST FLOOR ROOM NUMBER REFERENCE PLAN	ADDENDUM 2	04.12.2018
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	ADDENDUM 2	04.12.2018
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

SHEET INDEX

		ISSUED FOR:	ISSUE DATE:
S102	ROOF FRAMING PLAN	BID	02.16.2018
S201	FOUNDATION SECTIONS	BID	02.16.2018
S202	STRUCTURAL SECTIONS	BID	02.16.2018
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	ADDENDUM 2	04.12.2018
DP101	FIRST FLOOR PLUMBING DEMOLITION PLAN	ADDENDUM 2	04.12.2018
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 2	04.12.2018
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 2	04.12.2018
E101	BASEMENT LIGHTING PLAN	ADDENDUM 1	3.30.2018
E102	FIRST FLOOR POWER PLAN	ADDENDUM 2	04.12.2018
E103	FIRST FLOOR LIGHTING PLAN	ADDENDUM 2	04.12.2018
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 2	04.12.2018
E202	ELECTRICAL SCHEDULES	ADDENDUM 2	04.12.2018
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 2	04.12.2018

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

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
2	04.12.2018	ADDENDUM 2

SEAL:

ISSUED FOR: ADDENDUM 2
ISSUED DATE: 04.12.2018

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

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

DRAWING NAME:
TITLE SHEET

DRAWING NO.
G000

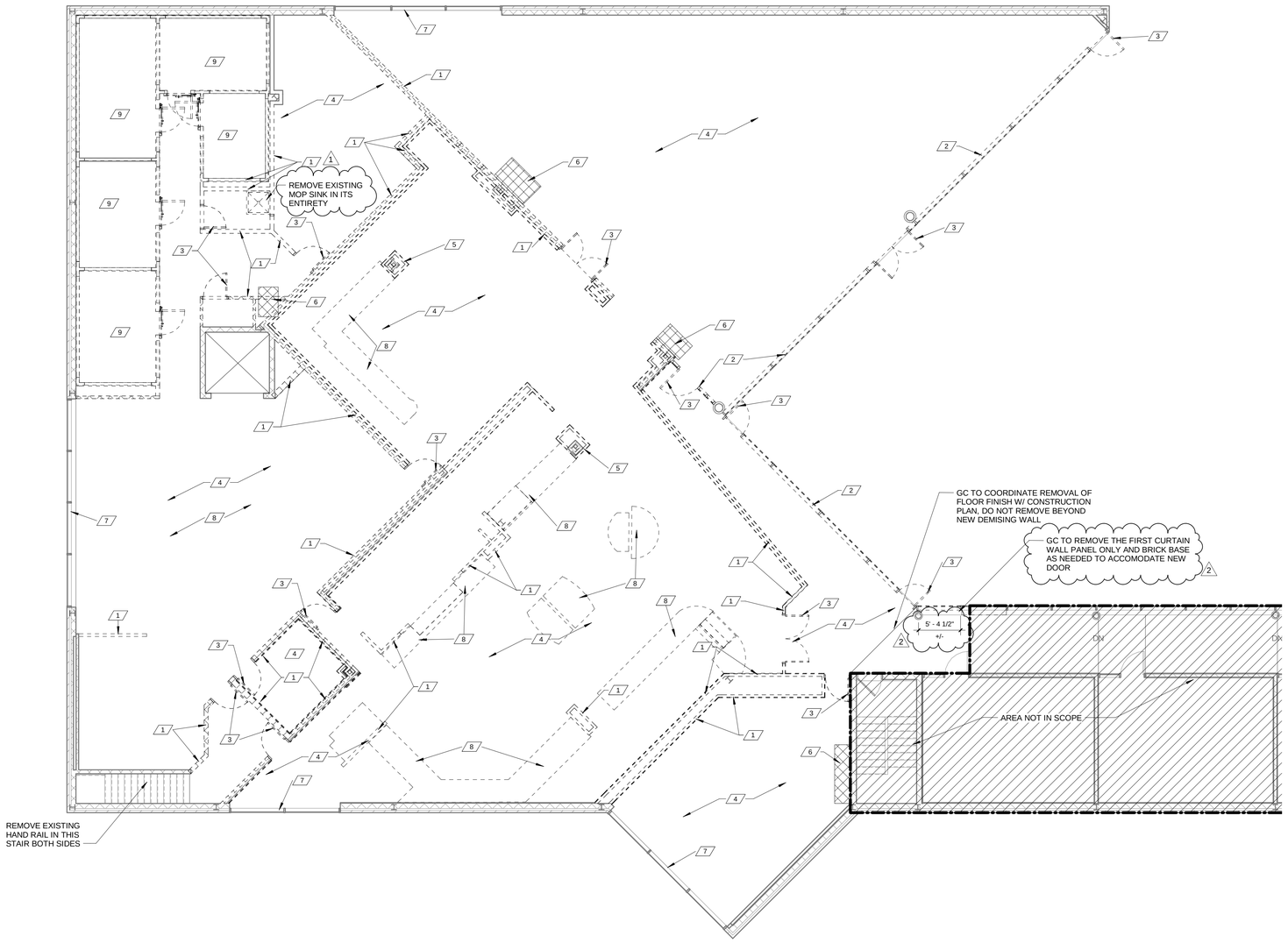
Dwg Filename: C:\Users_woodworth\Documents\SUNY Purchase - Hub__woodworth.rvt
Plot Date: 4/12/2018 3:57:23 PM

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.



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

N

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

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
2	04.12.2018	ADDENDUM 2

SEAL:

ISSUED FOR: ADDENDUM 2
ISSUED DATE: 04.12.2018

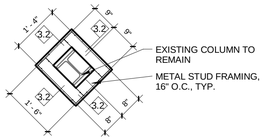
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: 1517347

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

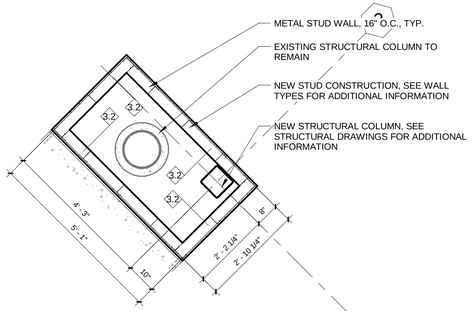
DRAWING NAME:
FIRST FLOOR DEMOLITION PLAN

DRAWING NO.
AD101

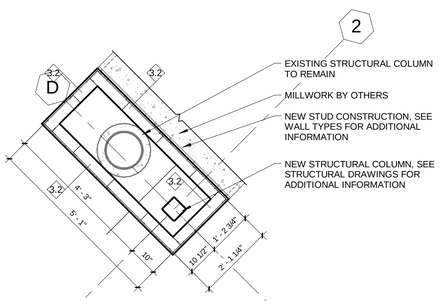
Plot Date: 4/12/2018 3:54:52 PM Dwg Filename: C:\Users\j_woodworth\Documents\SUNY Purchase - Hub.j_woodworth.rvt



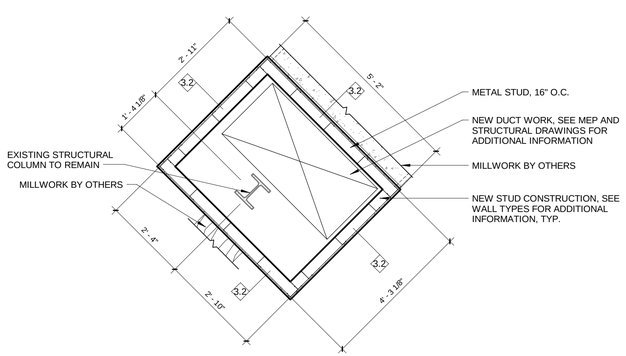
11 PLAN DETAIL
1/2" = 1'-0"



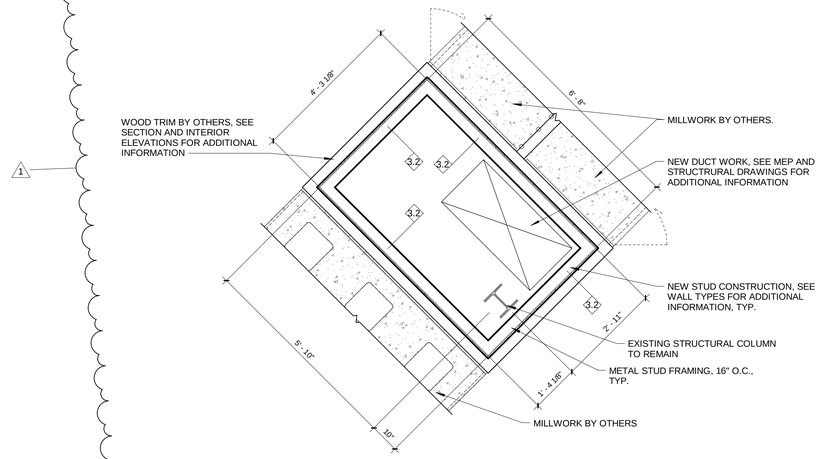
10 PLAN DETAIL
1/2" = 1'-0"



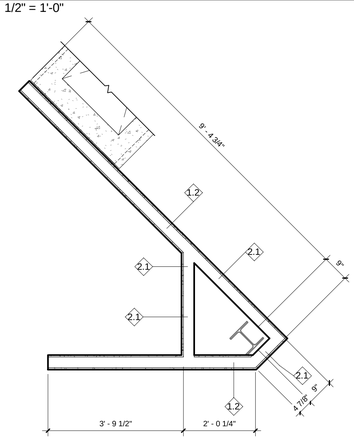
9 PLAN DETAIL
1/2" = 1'-0"



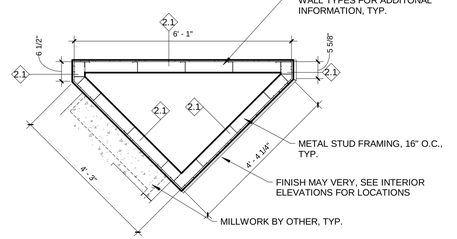
8 PLAN DETAIL
1/2" = 1'-0"



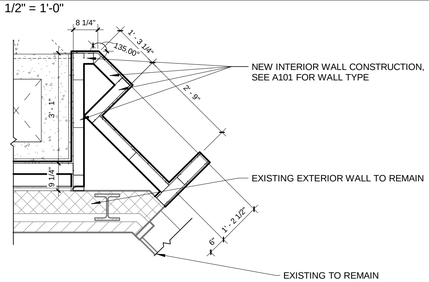
7 PLAN DETAIL
1/2" = 1'-0"



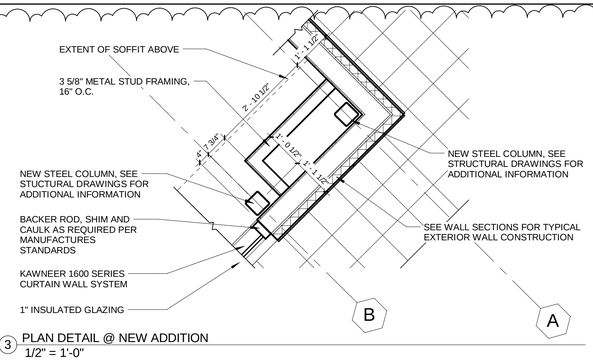
6 PLAN DETAIL
1/2" = 1'-0"



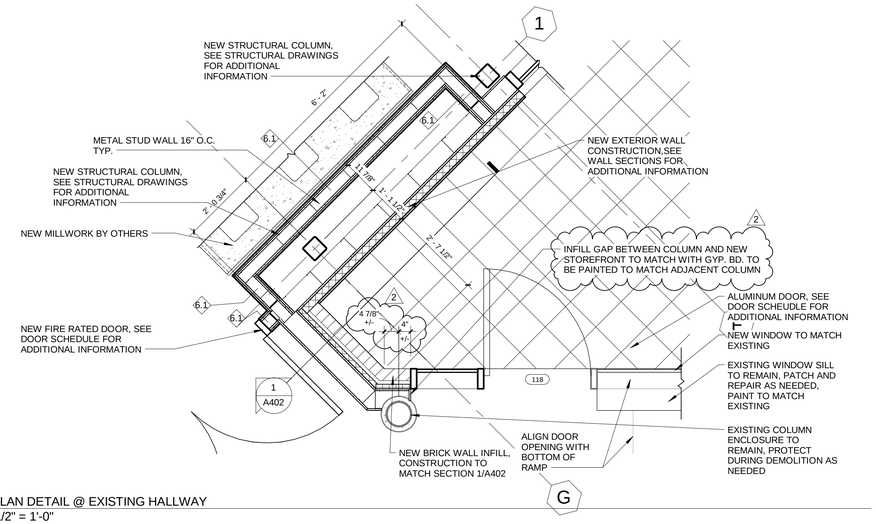
5 PLAN DETAIL
1/2" = 1'-0"



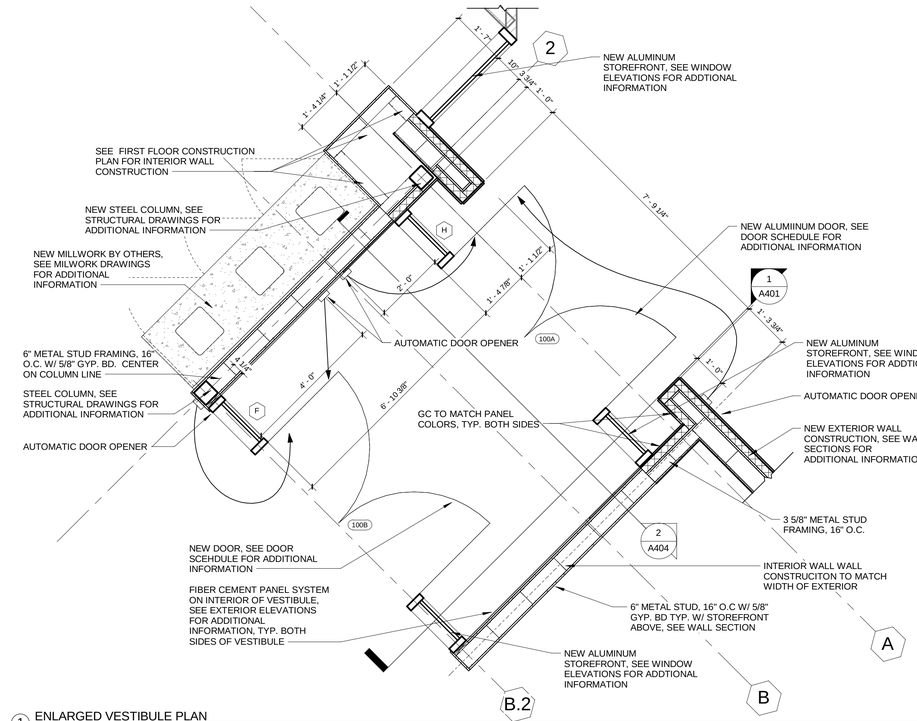
4 PLAN DETAIL
1/2" = 1'-0"



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"

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

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
2	04.12.2018	ADDENDUM 2

SEAL:

ISSUED FOR: ADDENDUM 2
ISSUED DATE: 04.12.2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: 1517347

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

DRAWING NAME:
ENLARGED PLANS & PLAN DETAILS

DRAWING NO.
A102

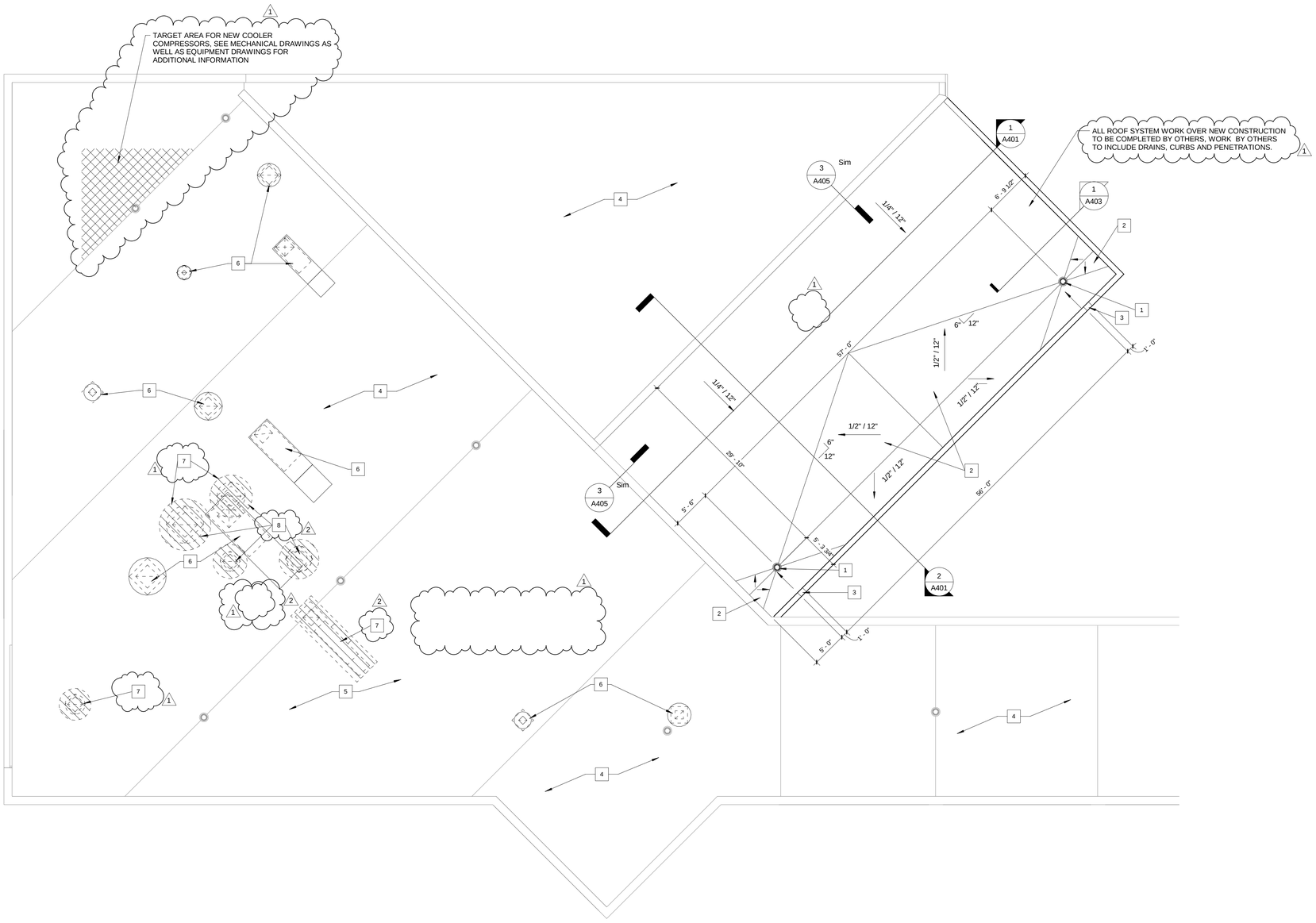
Plot Date: 4/12/2018 3:54:25 PM Dwg Filename: C:\Users\j_woodworth\Documents\SUNY Purchase - Hub_j_woodworth.rvt

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 FROM EXISTING CURB AND CAP WITH A GALVANIZED METAL CAP.
8	REMOVE EXISTING EQUIPMENT AND CURB IN THEIR ENTIRERTY. GC TO ABATE CURB. REFERENCE HAZARD MATERIAL REPORT AND PROVIDE NEW METAL DECK, INSULATION, AND MEMBRANE ROOF SYSTEM 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"

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

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
2	04.12.2018	ADDENDUM 2

SEAL:

ISSUED FOR: ADDENDUM 2
ISSUED DATE: 04.12.2018

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

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

DRAWING NAME:
ROOF PLAN

DRAWING NO.
A103

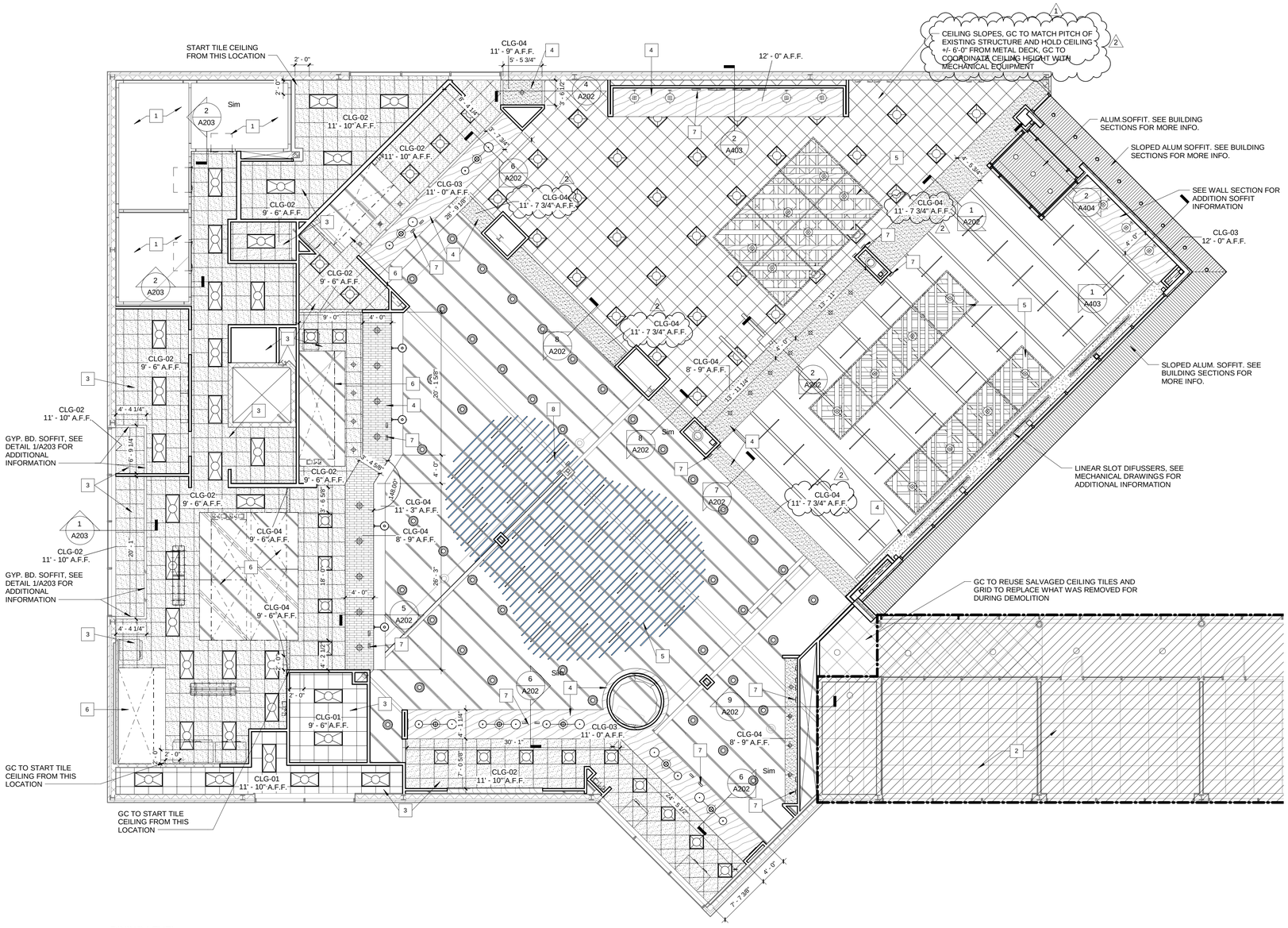
Plot Date: 4/12/2018 3:54:25 PM Dwg Filename: C:\Users\j_woodworth\Documents\SUNY Purchase - Hub_j_woodworth.rvt

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.



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

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

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

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
2	04.12.2018	ADDENDUM 2

SEAL:

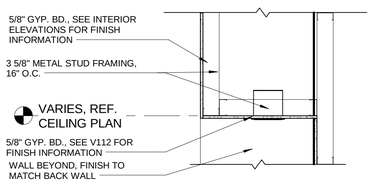
ISSUED FOR: ADDENDUM 2
ISSUED DATE: 04.12.2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: 1517347

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

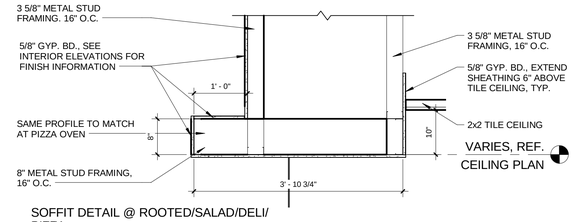
DRAWING NAME:
FIRST FLOOR REFLECTED CEILING PLAN

DRAWING NO.
A201

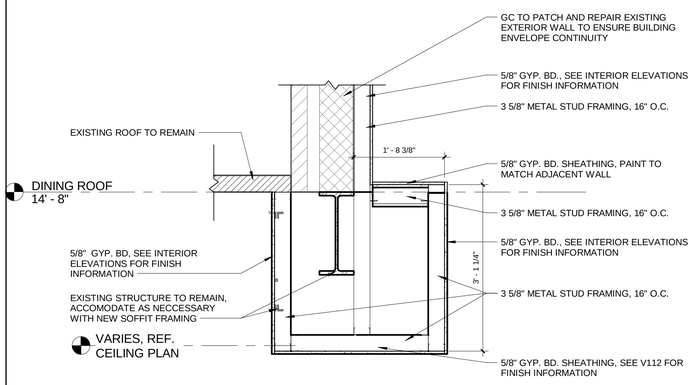
Plot Date: 4/12/2018 3:54:33 PM Dwg Filename: C:\Users\j_woodworth\Documents\SUNY Purchase - Hub.j_woodworth.rvt



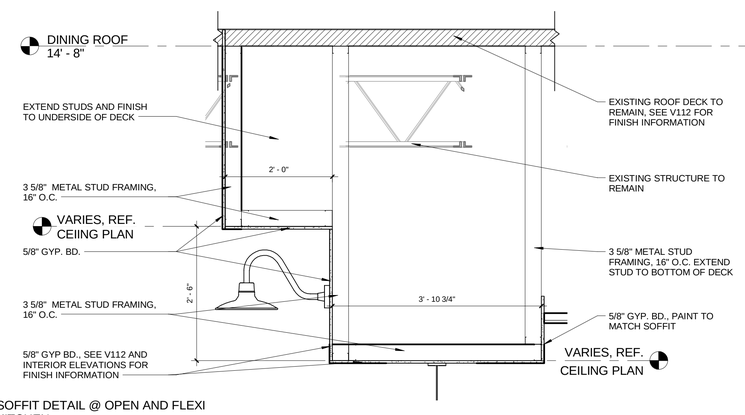
9 SOFFIT DETAIL
3/4" = 1'-0"



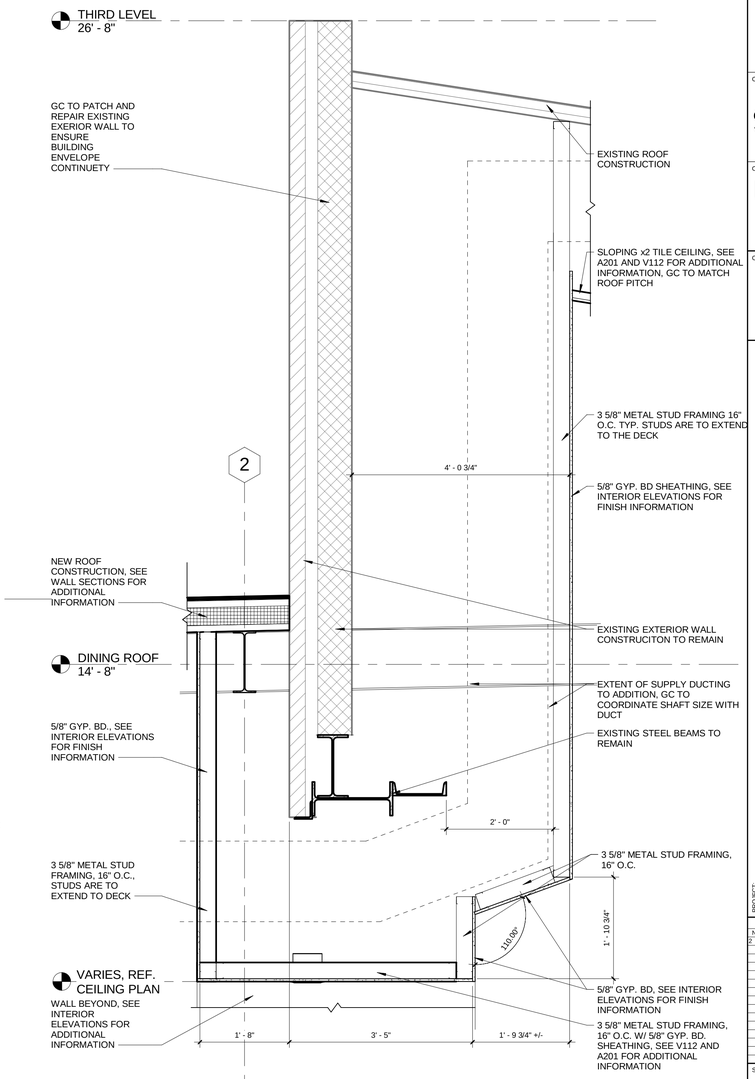
6 SOFFIT DETAIL @ ROOTED/SALAD/DELI/ PIZZA
3/4" = 1'-0"



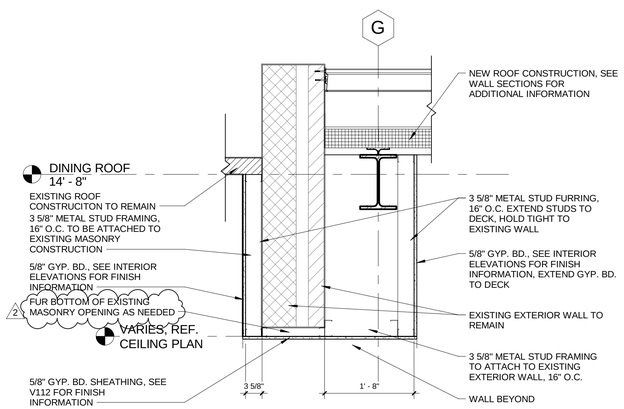
8 SOFFIT DETAIL @ DINING
3/4" = 1'-0"



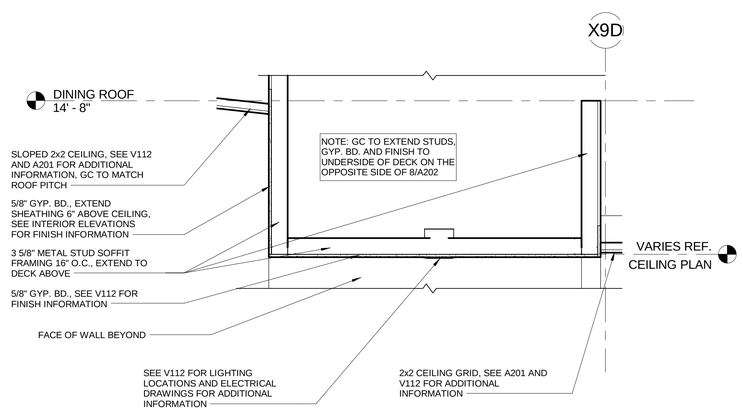
5 SOFFIT DETAIL @ OPEN AND FLEXI KITCHEN
3/4" = 1'-0"



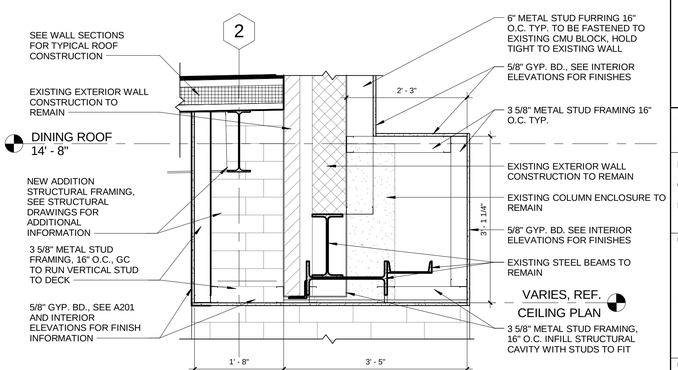
2 SOFFIT DETAIL @ CHASE
3/4" = 1'-0"



7 SOFFIT DETAIL BETWEEN NEW ADDITION AND EXISTING
3/4" = 1'-0"



4 SOFFIT DETAIL @ SALAD BAR
3/4" = 1'-0"



1 SOFFIT DETAIL @ NEW ADDITION
3/4" = 1'-0"

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

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
2	04.12.2018	ADDENDUM 2

SEAL:

ISSUED FOR: ADDENDUM 2
ISSUED DATE: 04.12.2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: 1517347

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

DRAWING NAME:
CEILING DETAILS I

DRAWING NO.
A202

Plot Date: 4/12/2018 3:54:36 PM Dwg Filename: C:\Users_woodworth\Documents\SUNY Purchase - Hub._woodworth.rvt

DOOR SCHEDULE

ROOM NAME	DOOR NO.	DOOR SIZE	DOOR TYPE	DOOR MAT'L	DOOR GLASS	FRAME TYPE	FRAME MAT'L	FRAME GLASS	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS THRESHOLD	FIRE RATING (HOURS)	FIRE CODE REQ. AUTOMATIC CLOSER	FIRE CODE REQ. PANIC RELEASE OPERATOR	FIRE CODE REQ. POSITIVE LATCHING	ADA REQ. ADA LEVER HANDLES	ADA REQ. ADA PUSH BUTTON OP.	ADA REQ. ADA TACTILE WARN.	LOCKSET PASSAGE	LOCKSET ENTRY	LOCKSET CLASSROOM	LOCKSET OFFICE	LOCKSET STORE ROOM	MISC. HARDWARE BUTTS (PAIRS)	MISC. HARDWARE ELECTRIC EXIT DEVISE / LOCKSET	MISC. HARDWARE MAGNETIC HOLD OPEN	MISC. HARDWARE KICK PLATES	MISC. HARDWARE PULL HANDLES	MISC. HARDWARE PUSH BAR	MISC. HARDWARE SILENCERS	MISC. HARDWARE STRIKE	MISC. HARDWARE VERTICAL RODS	MISC. HARDWARE WALL STOP	MISC. HARDWARE WEATHER STRIP	MISC. HARDWARE LATCH SECURITY PLATE	MISC. HARDWARE TOP & BOTTOM BOLTS	MISC. HARDWARE PIN PAD / & ELECTRIC HINGE ACCESS CONTROL	REMARKS
BASEMENT LEVEL																																					
SOUTH WEST STAIR	001B	3'-0" x 7'-0" x 1 3/4"	2	HM	TI	A	--	--	EX	EX	EX	--	EX	X	X	X	--	--	--	X	--	--	--	1.5	X	--	--	--	--	3	X	--	X	X	X	--	X	
CORRIDOR	002A	3'-0" x 7'-0" x 1 3/4" PR	1	HM	--	A	HM	--	H1/A501	J1/A501	--	2	X	X	X	X	--	--	--	--	--	--	X	3	X	--	X	--	--	2	X	--	X	--	--	--	X	PROVIDE TOP AND BOTTOM BOLTS AND STRIKE IN INACTIVE DOOR LEAF.
CORRIDOR	002B	3'-0" x 7'-0" x 1 3/4"	1	HM	--	A	--	--	EX	EX	--	2	EX	--	X	X	--	--	--	--	--	--	X	1.5	X	--	X	--	--	3	X	--	--	--	--	--	X	
RECEIVING	003A	12'-0" x 8'-0" UNIT	EX	--	--	EX	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RECEIVING	003B	3'-0" x 7'-0" x 1 3/4" PR	1	HM	--	A	HM	--	H2/A501	J2/A501	--	--	X	--	X	X	--	--	--	X	--	--	--	3	--	--	X	--	--	2	X	--	--	--	X	X	--	PROVIDE TOP AND BOTTOM BOLTS AND STRIKE IN INACTIVE DOOR LEAF.
PAPER STORAGE	004	3'-0" x 7'-0" x 1 3/4"	1	HM	--	A	HM	--	H2/A501	J2/A501	--	--	X	--	X	X	--	--	--	--	--	--	X	1.5	--	--	X	--	--	3	X	--	X	--	--	--	--	
ELETRICAL ROOM	005	3'-0" x 7'-0" x 1 3/4"	1	HM	--	A	HM	--	H2/A501	J2/A501	--	--	X	--	--	X	--	--	--	--	--	--	X	1.5	X	--	--	--	--	3	--	--	X	--	--	--	X	X	
HALLWAY	006	3'-0" x 7'-0" x 1 3/4"	EX	--	--	EX	--	--	EX	EX	--	--	--	--	EX	EX	--	--	X	--	--	--	--	EX	--	--	--	--	--	EX	EX	--	X	--	--	--	--	
DRY STORAGE	007	3'-0" x 7'-0" x 1 3/4" PR	1	HM	--	A	HM	--	H1/A501	J1/A501	--	--	--	--	X	X	--	--	--	--	X	--	--	3	--	--	X	--	--	2	X	--	--	--	--	X	--	PROVIDE TOP AND BOTTOM BOLTS AND STRIKE IN INACTIVE DOOR LEAF.
OFFICE	008	3'-0" x 7'-0" x 1 3/4"	3	HM	T	A	HM	--	H1/A501	J1/A501	--	--	--	--	X	X	--	--	--	--	--	X	--	1.5	--	--	--	--	--	3	X	--	X	--	--	--	--	
STORAGE	009A	3'-0" x 7'-0" x 1 3/4"	1	HM	--	A	HM	--	H2/A501	J1/A501	--	--	X	--	X	X	--	X	--	--	--	--	X	1.5	X	--	X	--	--	3	X	--	X	--	--	--	X	
STORAGE	009B	3'-0" x 7'-0" x 1 3/4"	1	HM	--	A	--	--	EX	EX	--	2	EX	--	X	X	--	--	--	--	--	--	X	1.5	X	--	X	--	--	3	X	--	--	--	--	--	X	
ELEVATOR MACHINE ROOM	011	3'-0" x 7'-0" x 1 3/4"	1	HM	--	A	--	--	EX	EX	--	2	EX	--	EX	EX	--	--	--	--	--	--	X	1.5	X	--	X	--	--	3	X	--	X	--	--	--	X	
MISC STORAGE	012	3'-0" x 7'-0" x 1 3/4"	EX	-	--	EX	--	--	EX	EX	--	--	EX	--	--	--	--	--	--	--	--	--	X	EX	X	--	--	--	--	EX	--	--	--	--	--	--	X	
HALLWAY	013	3'-0" x 7'-0" x 1 3/4"	2	HM	--	A	--	--	EX	EX	EX	--	EX	--	EX	EX	--	--	--	X	--	--	--	1.5	X	--	X	--	--	3	X	--	EX	X	X	--	X	
SPRINKLER ROOM	014	3'-0" x 7'-0" x 1 3/4"	1	HM	--	A	HM	--	H1/A501	J1/A501	--	2	X	--	X	X	--	--	--	--	--	--	X	1.5	X	--	X	--	--	3	X	--	--	--	--	--	X	
DINING LEVEL																																					
VESTIBULE	100A	3'-0" x 7'-0" x 1 3/4" (FRAME H)	4	AL	TI	H	AL	TI	--	--	S1/A501	--	X	--	--	--	X	--	--	--	--	--	--	CONT.	X	--	X	X	X	2	--	--	X	X	--	--	--	BOTH DOORS TO BE ACTIVE
VESTIBULE	100B	3'-0" x 7'-0" x 1 3/4" PR	4	AL	TI	F	AL	TI	--	--	--	--	X	X	X	X	X	--	X	--	--	--	--	CONT.	X	--	X	X	X	2	--	X	X	X	--	--	--	BOTH DOORS TO BE ACTIVE
CORRIDOR	101	3'-0" x 7'-0" x 1 3/4" PR	2	HM	S	A	HM	--	H1/A501	J1/A501	--	2	X	X	X	X	--	--	--	--	X	--	--	3	X	X	X	--	--	2	--	X	X	--	--	--	X	
SOUTH WEST STAIR	105A	3'-0" x 7'-0" x 1 3/4"	2	HM	S	A	HM	--	H1/A501	J1/A501	--	2	X	X	X	X	--	--	--	--	X	--	--	1.5	X	--	X	--	--	3	X	--	X	--	--	--	X	
SOUTH WEST STAIR	105B	3'-0" x 7'-0" x 1 3/4"	2	HM	S	A	HM	--	H1/A501	J1/A501	--	2	X	X	X	X	--	--	--	--	X	--	--	1.5	X	--	X	--	--	3	X	--	X	--	--	--	X	
OFFICE	106A	3'-0" x 7'-0" x 1 3/4"	3	HM	T	A	HM	--	H1/A501	J1/A501	--	--	--	--	X	X	--	--	--	--	--	X	--	1.5	X	--	--	--	--	3	X	--	X	--	--	--	--	
OFFICE	106B	3'-0" x 7'-0" x 1 3/4"	3	HM	T	A	HM	--	H1/A501	J1/A501	--	--	--	--	X	X	--	--	--	--	--	X	--	1.5	X	--	--	--	--	3	X	--	X	--	--	--	--	
ELECTRICAL ROOM	112	3'-0" x 7'-0" x 1 3/4"	1	HM	--	A	HM	--	H1/A501	J1/A501	--	--	X	--	X	X	--	X	--	--	--	--	X	1.5	--	--	--	--	--	3	X	--	X	--	--	--	X	
HALLWAY	113	3'-0" x 7'-0" x 1 3/4"	2	HM	T	A	HM	--	H1/A501	J1/A501	--	--	X	--	--	X	--	--	X	--	--	--	--	1.5	--	--	X	--	--	3	X	--	X	--	--	--	--	
JANITORS CLOSET	114	3'-0" x 7'-0" x 1 3/4"	1	HM	--	A	HM	--	H1/A501	J1/A501	--	--	X	--	X	X	--	--	--	--	X	--	--	1.5	--	--	X	--	--	3	X	--	X	--	--	--	--	
STORAGE	115	4'-0" x 7'-0" x 1 3/4"	2	HM	T	A	HM	--	H1/A501	J1/A501	--	--	X	--	X	X	--	--	--	--	X	--	--	1.5	--	--	X	--	--	3	X	--	X	--	--	--	--	
CORRIDOR	118	3'-0" x 7'-0" x 1 3/4"	4	AL	TI	E	AL	TI	--	--	S1/A501	--	X	X	X	X	--	--	--	X	--	--	--	1.5	X	--	X	--	X	3	X	--	--	X	X	--	X	

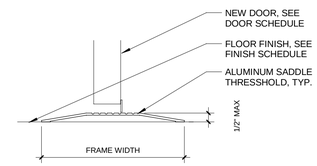
2

DOOR SCHEDULE NOTES:

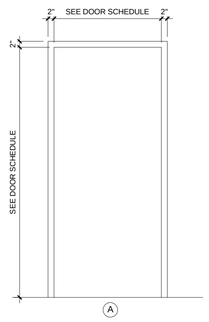
X = NEW ITEM, REPLACE EXISTING ITEMS WHERE NOTED AT EXISTING CONDITIONS
EX = EXISTING ITEM TO REMAIN. GC SHALL VERIFY ALL EXISTING CONDITIONS AND CONFIRM WORKING ORDER

T = TEMPERED GLAZING
TI = TEMPERED & INSULATED GLAZING
S = SAFETY / FIRE GLASS

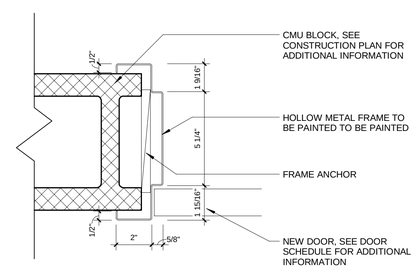
WHERE NOTED WITH TOP & BOTTOM BOLTS, BOLTS SHALL BE PROVIDED ON INACTIVE LEAF WITH DUMMY LEVER AND ACTIVE LEAF LATCHING INTO INACTIVE DOOR.



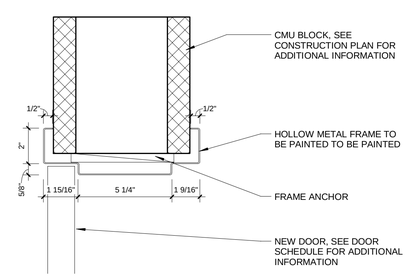
S1 SADDLE DETAIL
3" = 1'-0"



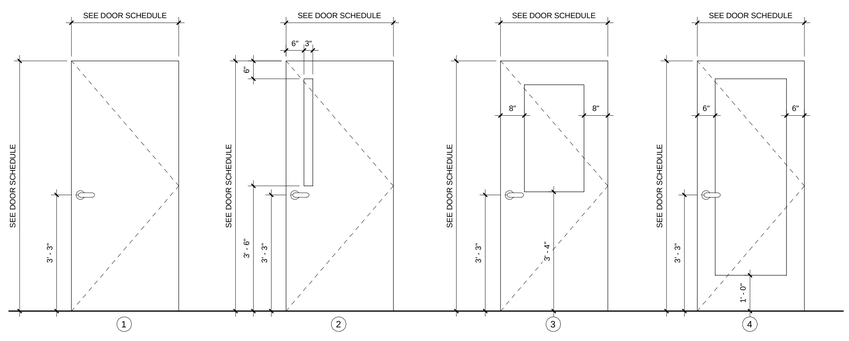
2 FRAME ELEVATIONS
1/2" = 1'-0"



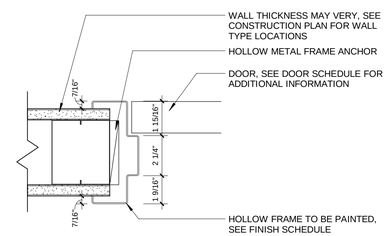
J2 ALUM STOREFRONT INTERIOR (JAMB)
3" = 1'-0"



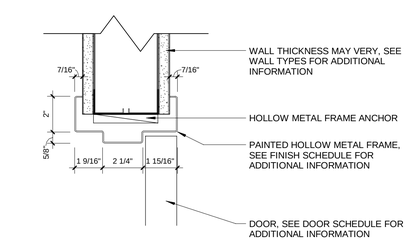
H2 ALUM STOREFRONT INTERIOR (SILL)
3" = 1'-0"



1 DOOR ELEVATIONS
1/2" = 1'-0"



J1 TYP. INTERIOR DOOR JAMB
3" = 1'-0"



H1 INTERIOR DOOR HEAD DETAIL
3" = 1'-0"

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

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
2	04.12.2018	ADDENDUM 2

SEAL:

ISSUED FOR: ADDENDUM 2
ISSUED DATE: 04.12.2018

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

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

DRAWING NAME:
DOOR SCHEDULE

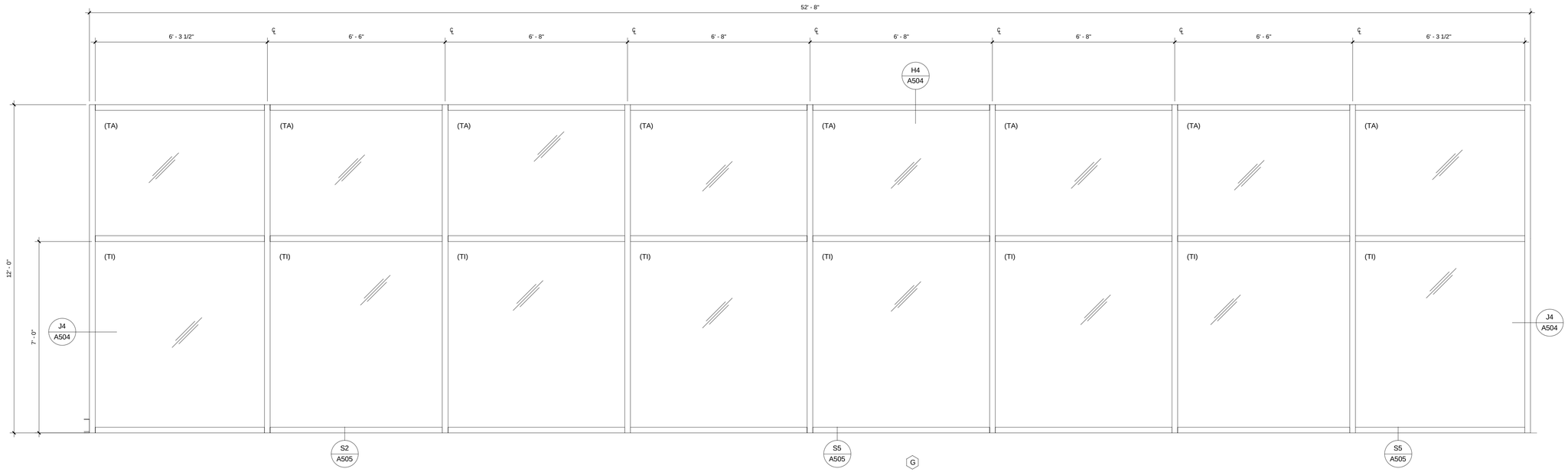
DRAWING NO.
A501

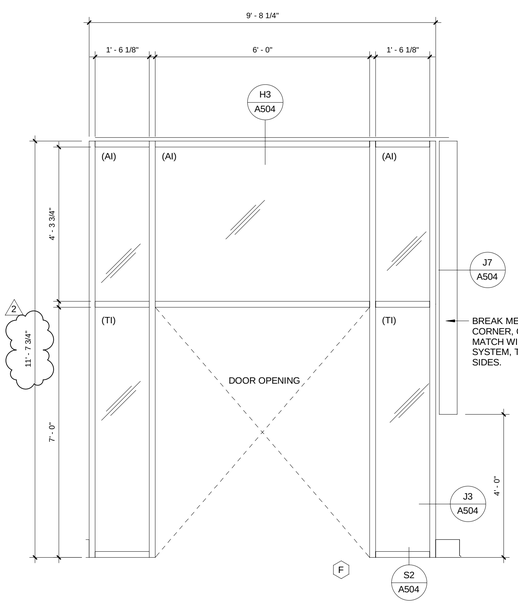
Plot Date: 4/12/2018 3:54:38 PM Dwg Filename: C:\Users\j_woodworth\Documents\SUNY Purchase - Hub_j_woodworth.rvt

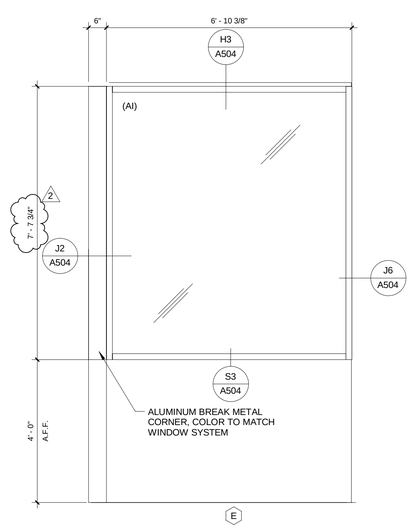
GLAZING TYPES

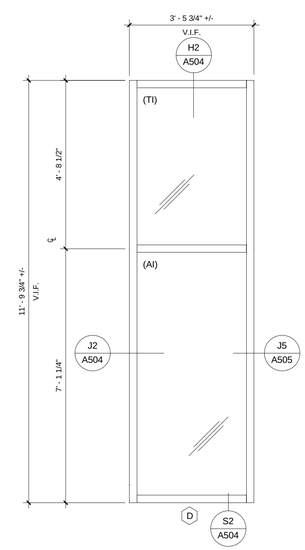
1. ALL EXTERIOR GLAZING IS TO BE 1" INSULATED TEMPERED GLAZING.
2. ALL INTERIOR GLAZING IS TO BE 1/4" ANNEALED TEMPERED GLAZING.

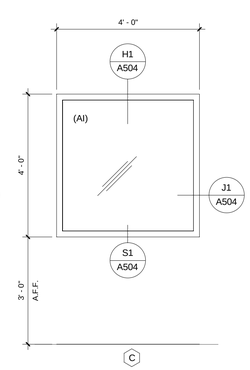
A = 1/4" ANNEALED
T = 1/4" TEMPERED GLASS
AI - 1" ANNEALED INSULATED WITH LOW E
TI = 1" TEMPERED INSULATED WITH LOW E

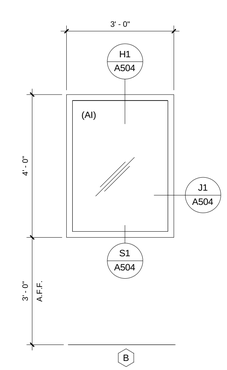


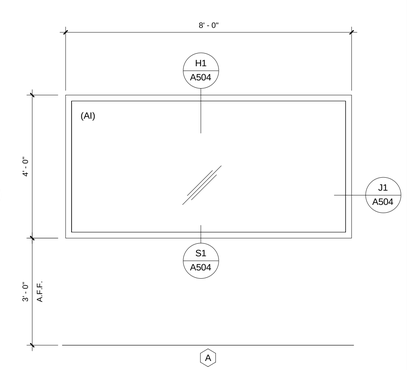












CURTAIN WALL SYSTEM ELEVATIONS I
1/2" = 1'-0"

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

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
2	04.12.2018	ADDENDUM 2

SEAL:

ISSUED FOR: ADDENDUM 2
ISSUED DATE: 04.12.2018

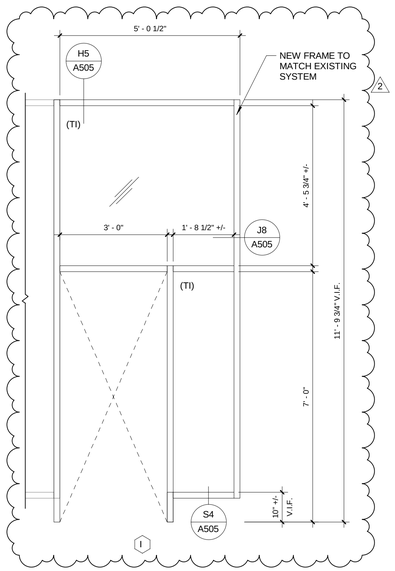
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: 1517347

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

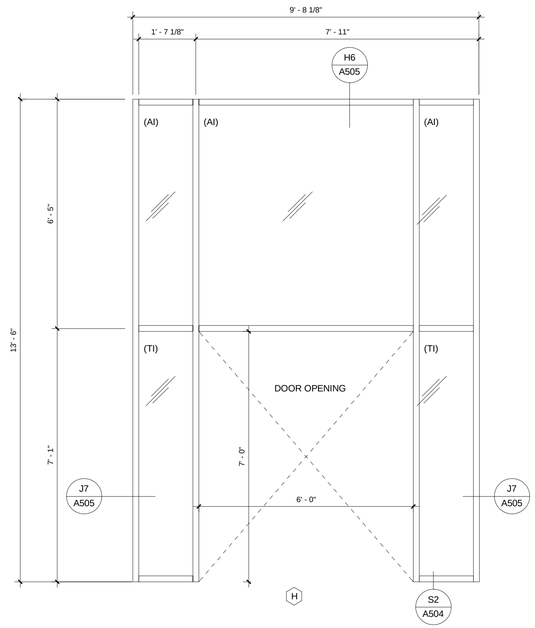
DRAWING NAME:
ALUMINUM FRAME ELEVATIONS I

DRAWING NO.
A502

Plot Date: 4/12/2018 3:54:41 PM Dwg Filename: C:\Users\j_woodworth\Documents\SUNY Purchase - Hub_j_woodworth.rvt



2 CURTAIN WALL ELEVATION I
1/2" = 1'-0"



1 CURTAIN WALL ELEVATION H
1/2" = 1'-0"

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

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
2	04.12.2018	ADDENDUM 2

SEAL:

ISSUED FOR: ADDENDUM 2
ISSUED DATE: 04.12.2018

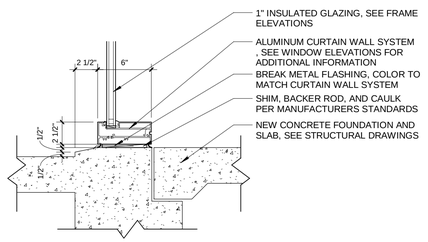
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: 1517347

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

DRAWING NAME:
ALUMINUM FRAME ELEVATIONS II

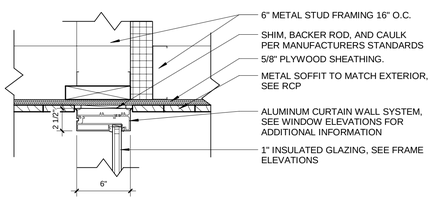
DRAWING NO.
A503

Plot Date: 4/12/2018 3:54:42 PM Dwg Filename: C:\Users\j_woodworth\Documents\SUNY Purchase - Hub_j_woodworth.rvt

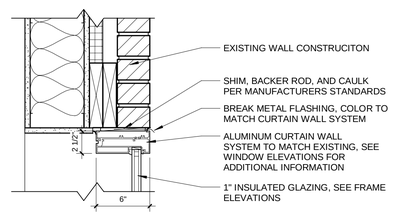


2

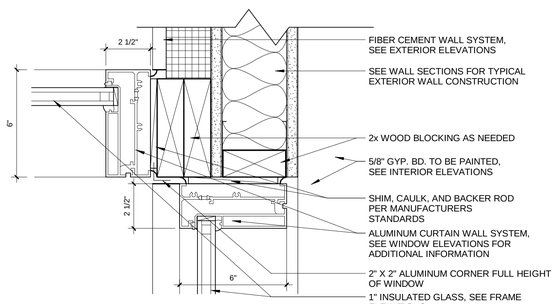
S5 ALUMINUM WINDOW SILL DETAIL
1 1/2" = 1'-0"



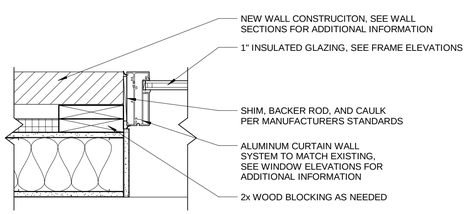
H6 ALUMINUM WINDOW HEAD DETAIL
1 1/2" = 1'-0"



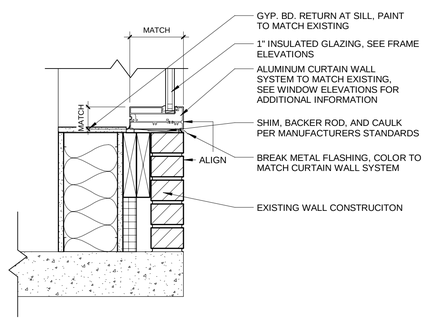
H5 ALUMINUM WINDOW HEAD DETAIL
1 1/2" = 1'-0"



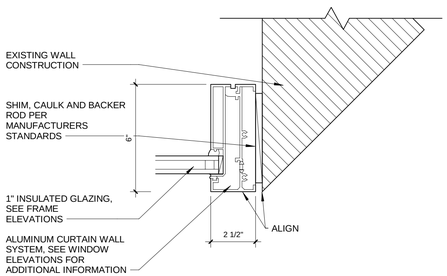
J6 ALUMINUM WINDOW JAMB DETAIL
3" = 1'-0"



J8 ALUMINUM WINDOW JAMB DETAIL
1 1/2" = 1'-0"



S4 ALUMINUM WINDOW SILL DETAIL
1 1/2" = 1'-0"



J5 ALUMINUM WINDOW JAMB DETAIL
3" = 1'-0"

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

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
2	04.12.2018	ADDENDUM 2

SEAL:

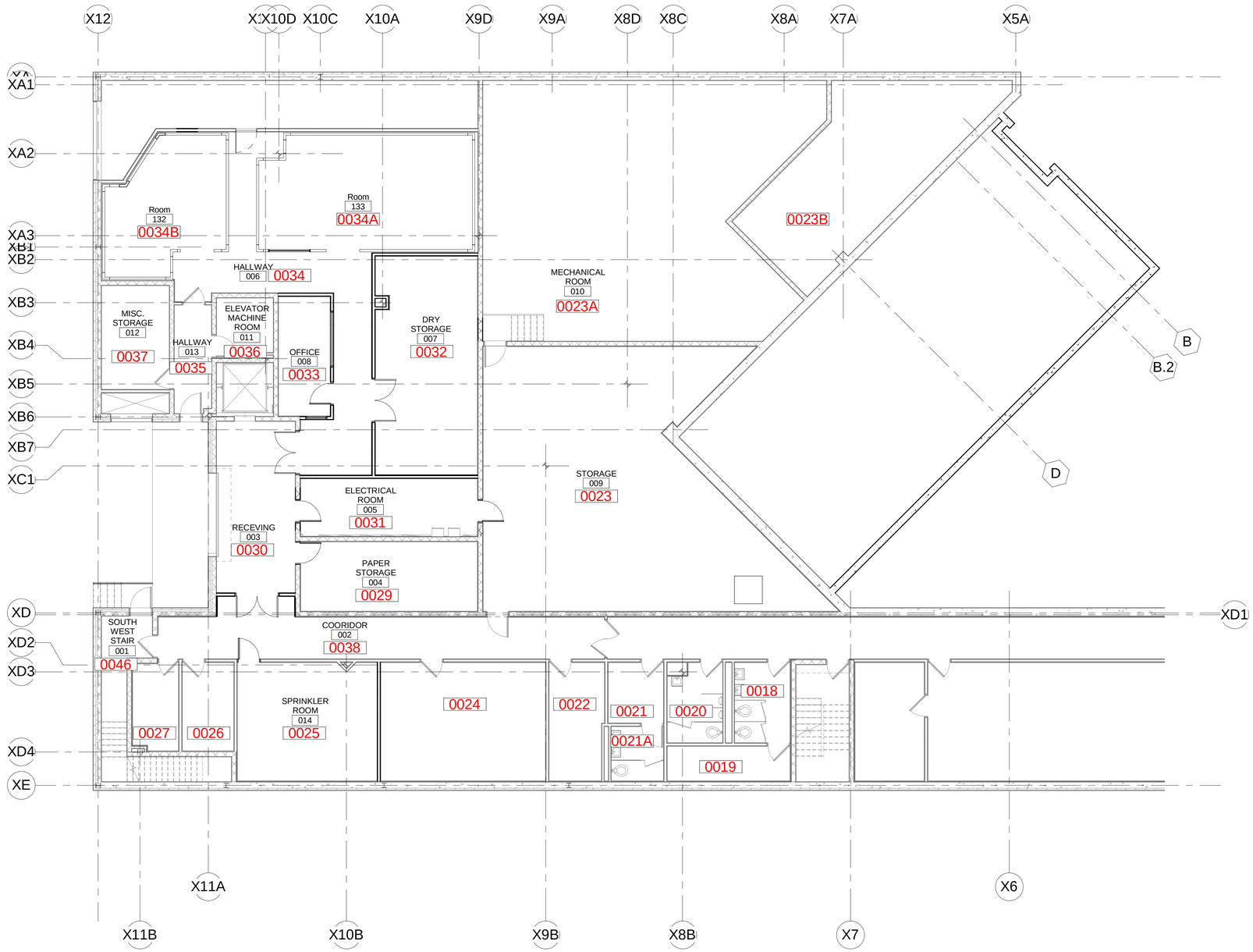
ISSUED FOR: ADDENDUM 2
ISSUED DATE: 04.12.2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: 1517347

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

DRAWING NAME:
ALUMINUM FRAME DETAILS II

DRAWING NO.
A505

Plot Date: 4/12/2018 3:54:44 PM Dwg Filename: C:\Users\j_woodworth\Documents\SUNY Purchase - Hub_j_woodworth.rvt



1 BASEMENT REFERENCE PLAN
1/8" = 1'-0"

ROOM NAME 101 — CONSTRUCTION ROOM NAME AND NUMBER

101 — FINAL ROOM DEDICATED NUMBER

NUMBER TO BE USED FOR FINAL ROOM SIGNAGE AND FIRE ALARM CONTROL PANEL

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

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

SEAL:

ISSUED FOR: ADDENDUM 2
ISSUED DATE: 04.12.2018

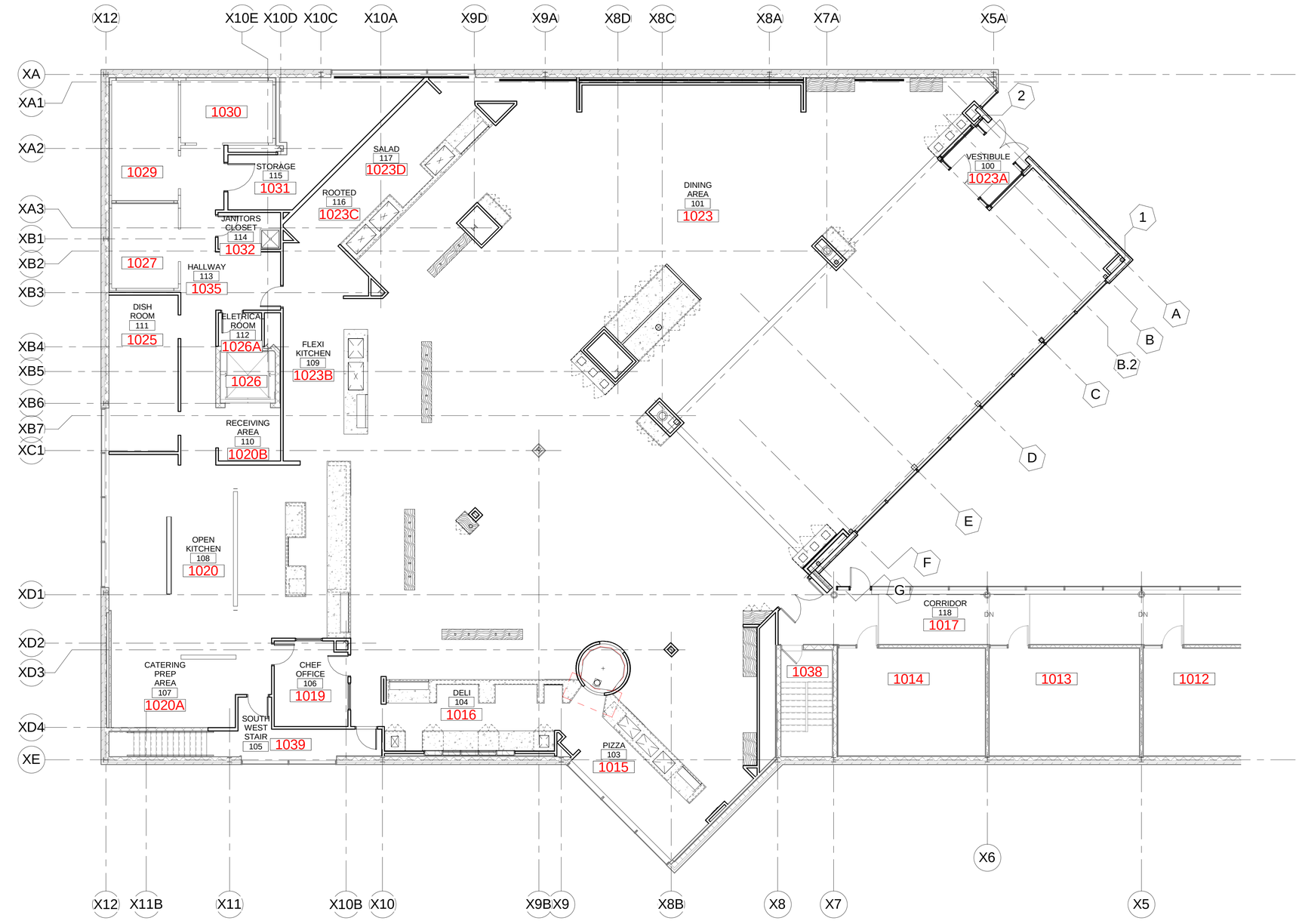
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: 1517347

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

DRAWING NAME:
BASEMENT ROOM NUMBER REFERENCE PLAN

DRAWING NO.
A700

Plot Date: 4/12/2018 3:54:47 PM Dwg Filename: C:\Users\j_woodworth\Documents\SUNY Purchase - Hub_j_woodworth.rvt



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

ROOM NAME 101 — CONSTRUCTION ROOM NAME AND NUMBER

101 — FINAL ROOM DEDICATED NUMBER

NUMBER TO BE USED FOR FINAL ROOM SIGNAGE AND FIRE ALARM CONTROL PANEL

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

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

SEAL:

ISSUED FOR: ADDENDUM 2
ISSUED DATE: 04.12.2018

DRAWN BY: Author
CHECKED BY: Checker
PROJECT NUMBER: 1517347

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

DRAWING NAME:
FIRST FLOOR ROOM NUMBER REFERENCE PLAN

DRAWING NO.
A701

Plot Date: 4/12/2018 3:54:49 PM Dwg Filename: C:\Users\j_woodworth\Documents\SUNY Purchase - Hub.j_woodworth.rvt

LIGHT FIXTURE SCHEDULE

SYMBOL	TYPE	MANUFACTURER	MODEL
	PENDANT LIGHT	PABLO STUDIO	PBL-SWELL-STRING-3-MIXED-SUSP-BLACK
	PENDANT LIGHT	LIGHTYEAR	LTY-CARAVAGGIO-CAR300-BLACK WITH RED CORD
	PENDANT LIGHT	TECHLIGHTING	POWELL PENDANT: TD-SO-S-CF, SATIN NICKLE/WHITE INTERIOR
	WALL LIGHT	BARN LIGHT ELECTRIC	THE DISTRICT GOOSENECK LIGHT, BLACK 16"D
	PENDANT LIGHT	TECHLIGHTING	THE DISTRICT GOOSENECK LIGHT, WHITE 14"D
	DOWNLIGHT	NORA LIGHTING	NTS-733CL / NHR-150
	2' x 4' LAY-IN FLUORESCENT LIGHT FIXTURE	SEE SPEC	
	2' x 2' LAY-IN FLUORESCENT LIGHT FIXTURE	SEE SPEC	
	4' LINEAR LIGHT FIXTURE	SEE SPEC	
	4' LINEAR INDUSTRIAL LIGHT FIXTURE	SEE SPEC	
	6" EXTERIOR GRADE CAN LIGHT	SEE SPEC	

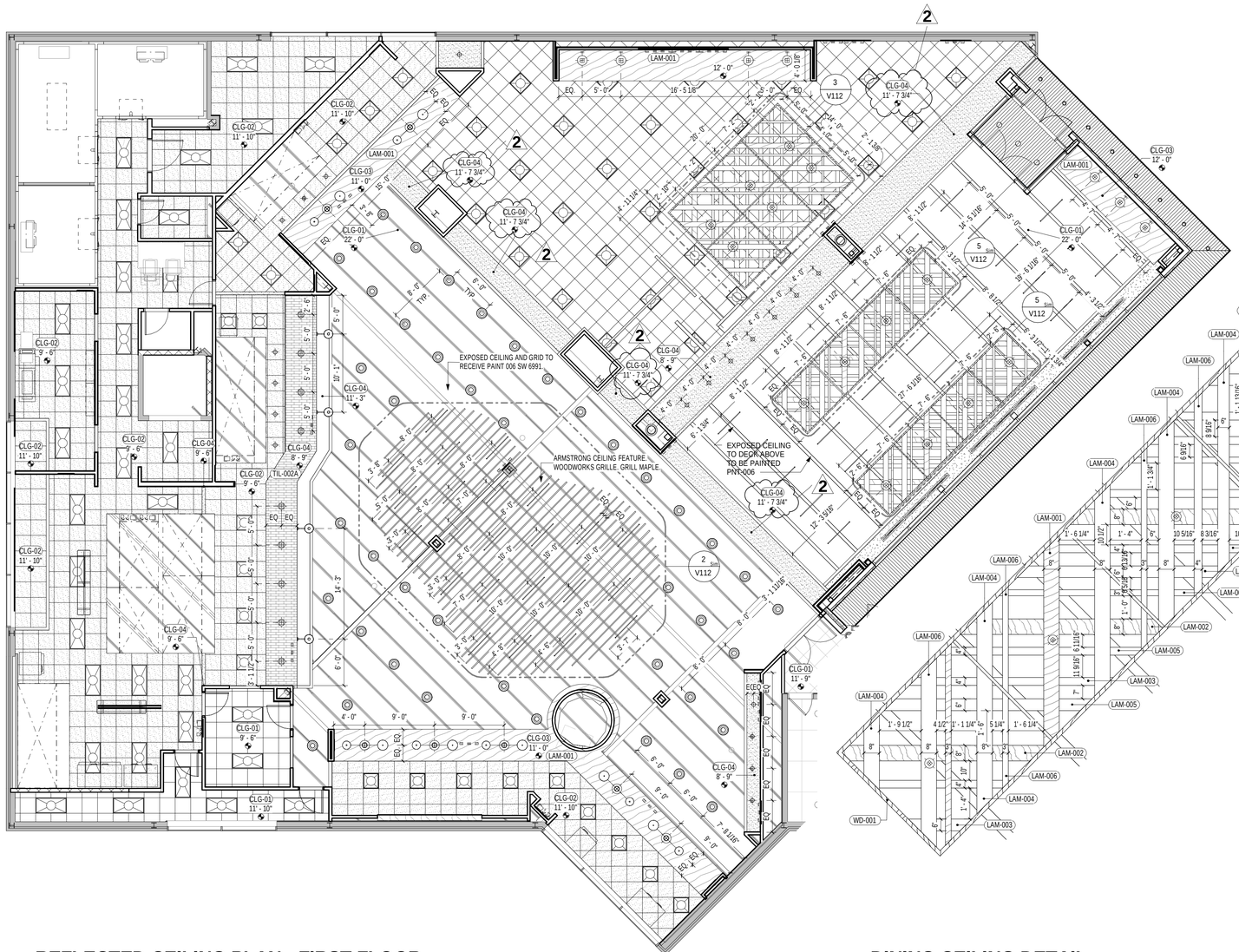
CEILING SCHEDULE

TYPE	DESCRIPTION
CLG-01	ARMSTRONG 'FINE FISSURED' SQUARE LAY-IN MEDIUM TEXTURE TILES W/ GRID, SYSTEM. COLOR - WHITE (WH)
CLG-02	ARMSTRONG 'HEALTHZONE ULTIMA' SQUARE LAY-IN FINE TEXTURE TILES W/ GRID, SYSTEM. COLOR - WHITE (WH)
CLG-03	NEW GYP. BD. SOFFIT. FINISH AS SPECIFIED.
CLG-04	NEW CEMENT BD. SOFFIT. FINISH AS SPECIFIED.

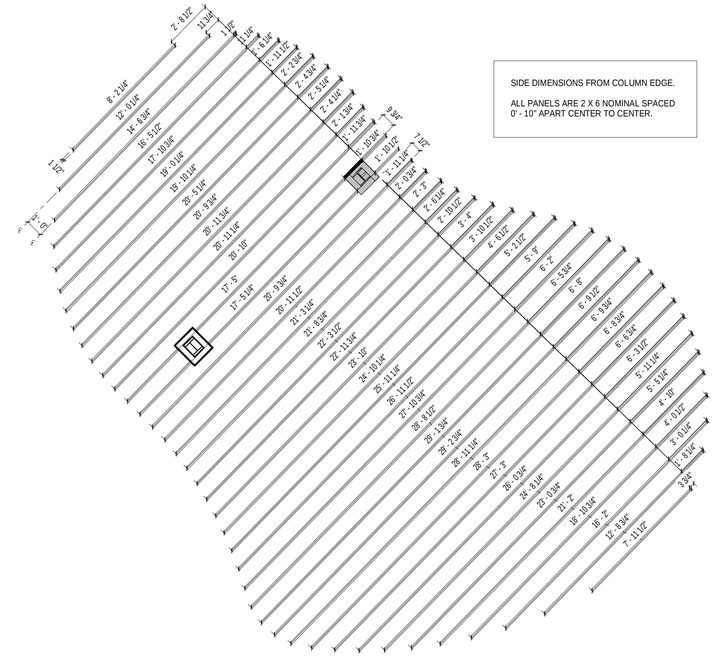
NOTE:
FIELD LIGHTING QUANTITY AND SPACING SHOULD BE DETERMINED BY A/E OF RECORD.

REFLECTED CEILING PLAN - GENERAL NOTES

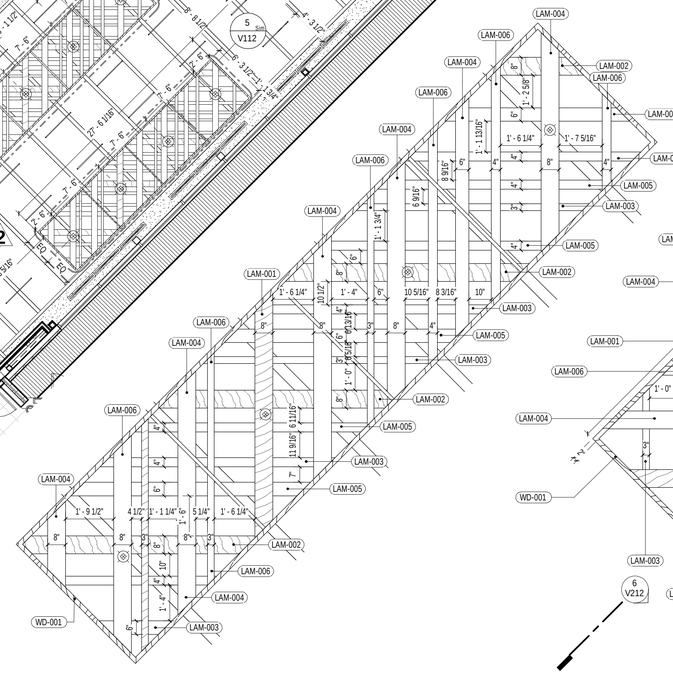
1. REFERENCE ARCHITECTURAL REFLECTED CEILING DRAWINGS FOR CONSTRUCTION LAYOUT OF SOFFITS AND TILE CEILINGS.
2. SEE EQUIPMENT DRAWINGS FOR ADDITIONAL EQUIPMENT DRAWINGS (EQUIPMENT TO BE PROVIDED BY OTHERS).
3. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
4. DRAWINGS V102 AND V112 ARE TO BE REFERNCED FOR 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 INTERMDIATE MEMBER LOCATIONS ONLY. SEE A203 FOR CONSTRUCTION DETAILS.



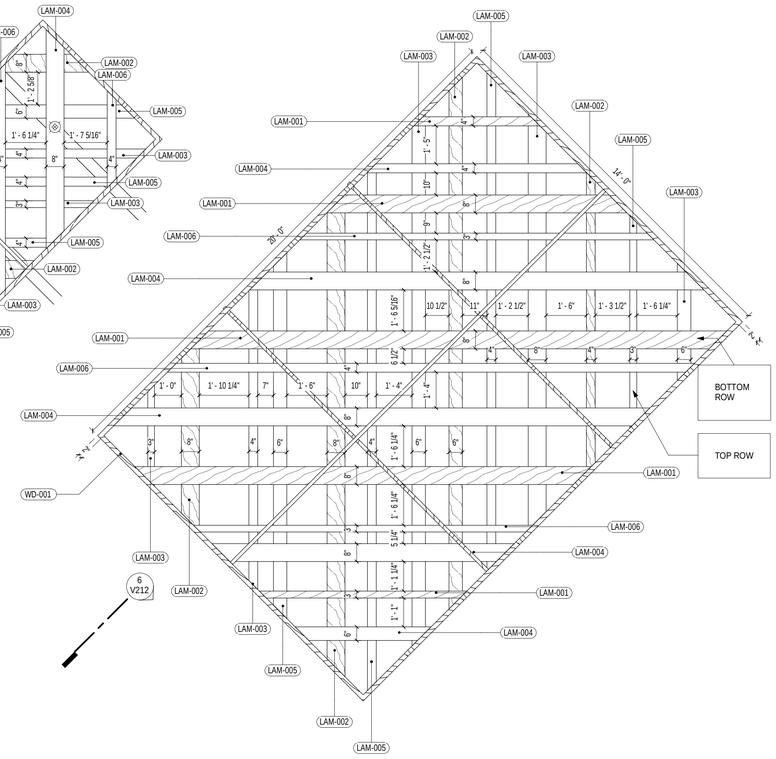
1 **REFLECTED CEILING PLAN - FIRST FLOOR**
1/8" = 1'-0"



2 **CEILING FEATURE DETAIL**
1/4" = 1'-0"



5 **DINING CEILING DETAIL**
3/8" = 1'-0"



3 **LOUNGE CEILING DETAIL**
3/8" = 1'-0"

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

CLIENT:
chartwells
where hungry minds gather
www.chartwellshighered.com

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

CONSULTANT:
VISIONBUILDERS

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

REVISIONS

NO.	DATE	DESCRIPTION
2	Date 2	ADDENDUM 2

SEAL:

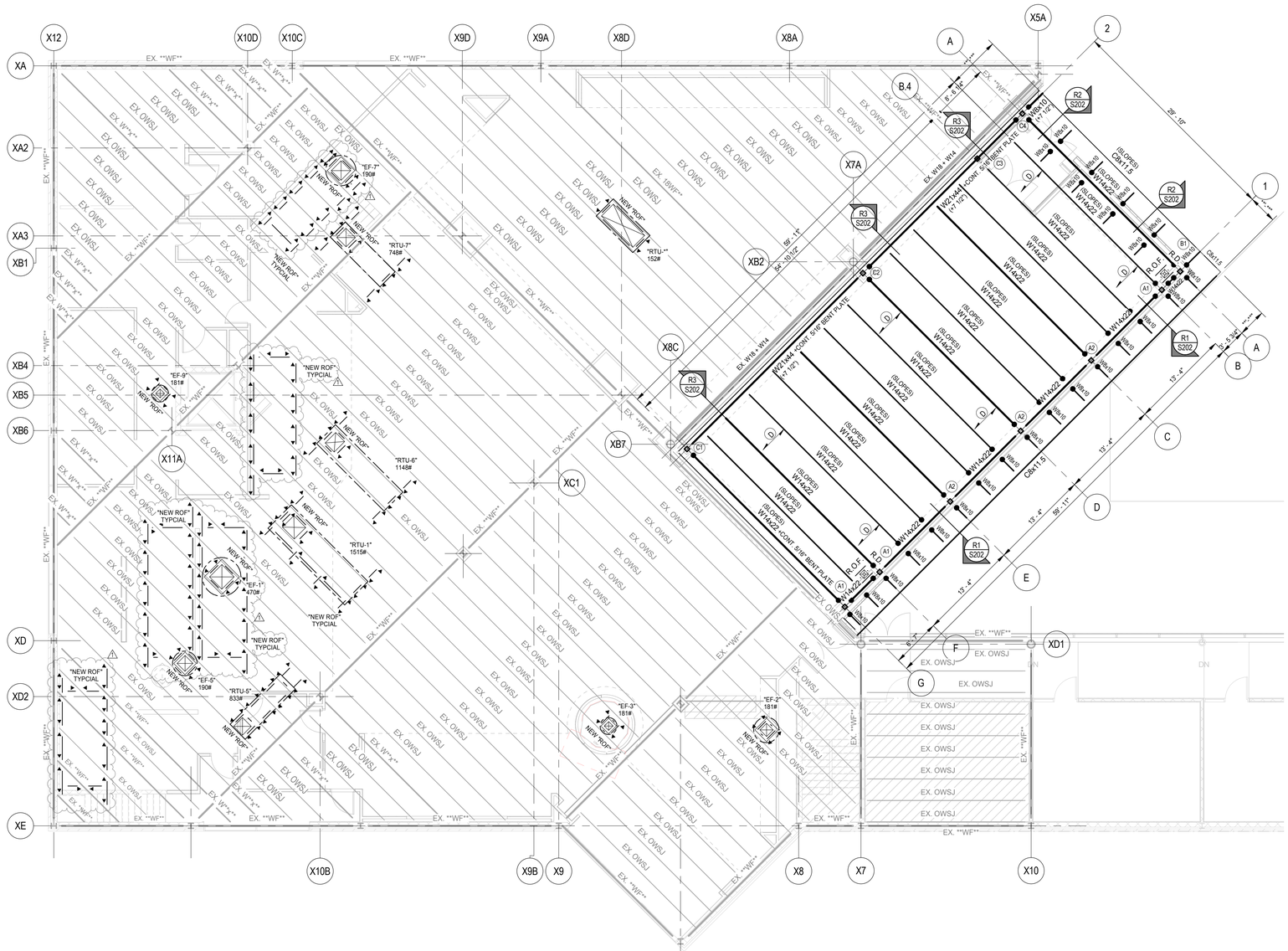
ISSUED FOR: BID
ISSUED DATE: 02/16/2018
DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: CW-0205.4

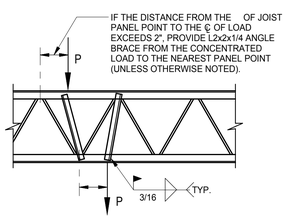
Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

DRAWING NAME:
REFLECTED CEILING PLAN - FIRST FLOOR

DRAWING NO.
V112

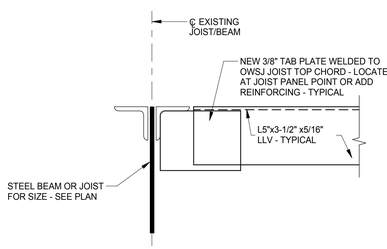
Plot Date: 4/12/2018 4:14:19 PM Dwg Filename: C:\Users\j_woodworth\Documents\CW-0205-4-NORTH CAMPUS_v2016CD_j_woodworth.rvt





TYPICAL JOIST WEB REINFORCEMENT

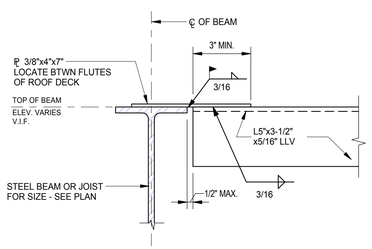
SCALE: NONE



TYPICAL AT EXISTING FRAMING

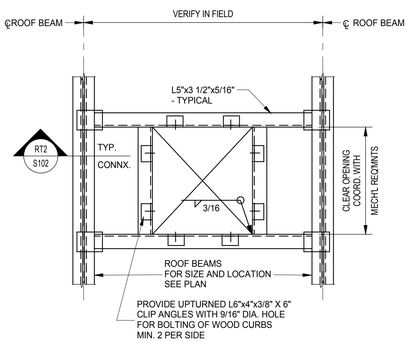
ANGLE FRAME CONNECTION (RT2A / S102)

SCALE: NONE



ANGLE FRAME CONNECTION (RT2 / S102)

SCALE: NONE



ROOF OPENING FRAME (R.O.F.) (RT1 / S102)

SCALE: NONE

COORDINATE LOCATIONS WITH ARCH'L AND MECH'L DRAWINGS AND REQUIREMENTS

ROOF FRAMING PLAN

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

NOTES:

1. G.C. SHALL VERIFY ALL EXISITNG CONDITIONS, ELEVATIONS, DIMENSIONS, ETC. IN THE FIELD PRIOR TO PROCEEDING WITH NEW WORK. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES FOR FURTHER INSTRUCTION IF REQUIRED.
2. TOP OF STEEL AT LOW POINT SHALL BE AT ELEVATION 357'-0" (+14'-8" A.F.F.) UNLESS OTHERWISE SHOWN THUS (+...) OR (-...) INDICATING THE DISTANCE ABOVE OR BELOW ELEVATION 357'-0".
3. [+....] INICATES TOP OF STEEL GIRDER ELEVATION AT CENTER LINE OF COLUMN. ALL ELEVATIONS ARE REFERENCED TO TOP OF STEEL ELEVATION 357'-0" (+14'-8" A.F.F.).
4. (D) INDICATES 1 1/2" DEEP, 22 GAUGE, WIDE RIB (TYPE "B"), GALVANIZED METAL ROOF DECK.
5. PROVIDE ROOF OPENING FRAME (R.O.F.) FOR ALL OPENINGS IN METAL ROOF DECK LARGER THAN 12" IN ANY DIRECTION PER DETAIL R1 ON THIS DRAWING. REINFORCE DECK OPENINGS FROM 6" TO 12" IN SIZE W/ L2x2x1/4 STEEL ANGLE. EXTEND A MINIMUM OF 2 FLUTES EACH SIDE OF OPENING AND WELD TO DECK.
6. ●— INDICATES FULLY WELDED MOMENT CONNECTION WHICH SHALL DEVELOP THE FLEXURAL CAPACITY OF THE MEMBER.
7. " ▲ "- INDICATES NEW FIELD WELDED CONNECTION TO NEW/EXISTING OPEN WEB STEEL JOIST, BEAMS AND COLUMNS.
8. (*) INDICATES NEW STEEL SUPPORT COLUMN - SEE COLUMN SCHEDULE AND DETAILS ON DRAWING S-203 FOR ADDITIONAL REQUIREMENTS.
9. TOP OF EXISTING STEEL ELEVATION VARIES - VERIFY ALL EXISTING STEEL ELEVATION IN FIELD PRIOR TO PROCEEDING WITH NEW WORK.
10. TOP OF NEW STEEL ELEVATION SHALL MATCH EXISTING STEEL ELEVATION FOR ALL NEW ROOF STEEL FRAMING INTO EXISTING ROOF STEEL - UNLESS OTHERWISE NOTED THUS (+...) OR (-...) INDICATING DISTANCE ABOVE OR BELOW TOP OF EXISTING ROOF STEEL ELEVATION - TYPICAL.
11. SUPPORT OF NEW MECHANICAL ROOF TOP UNITS ON EXISTING ROOF FRAMING SYSTEM IS NOT PERMITTED UNLESS NEW STEEL SUPPORT FRAME IS PROVIDED BETWEEN EXISTING ROOF FRAMING SUPPORT MEMBERS. NEW SUPPORT FRAMING SHALL BE MINIMUM L5"x3 1/2"x5/16" WELDED ANGLE FRAME - UNLESS OTHERWISE NOTED,
12. PROVIDE TWO L2"x2"x3/16" ADDITIONAL WEB MEMBERS FROM TOP CHORD TO BOTTOM CHORD PANEL POINTS OF JOIST WHERE CONCENTRATED LOADS FALL BETWEEN TOP CHORD PANEL POINTS. - VERIFY ALL CONDITIONS IN FIELD - TYPICAL.
13. SUPPORT OF NEW KITCHEN HOOD ON EXISTING ROOF FRAMING SYSTEM IS NOT PERMITTED UNLESS NEW STEEL SUPPORT FRAME IS PROVIDED BETWEEN EXISTING ROOF FRAMING SUPPORT MEMBERS. NEW SUPPORT FRAMING SHALL BE MINIMUM L3"x3"x1/4" WELDED ANGLE FRAME - UNLESS OTHERWISE NOTED,

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

CLIENT:
chartwells where hungry minds gather
www.chartwellshighered.com

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

CONSULTANT:
SZWCZAK ASSOCIATES
CONSULTING ENGINEERS
AVON PARK NORTH
200 O'HARE DRIVE
AVON, CT 06001
TEL: 860.677.4570
szwczakassociates.com

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: 2/16/2018

DRAWN BY: JWZ

CHECKED BY: RMS

PROJECT NUMBER: 1416244

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

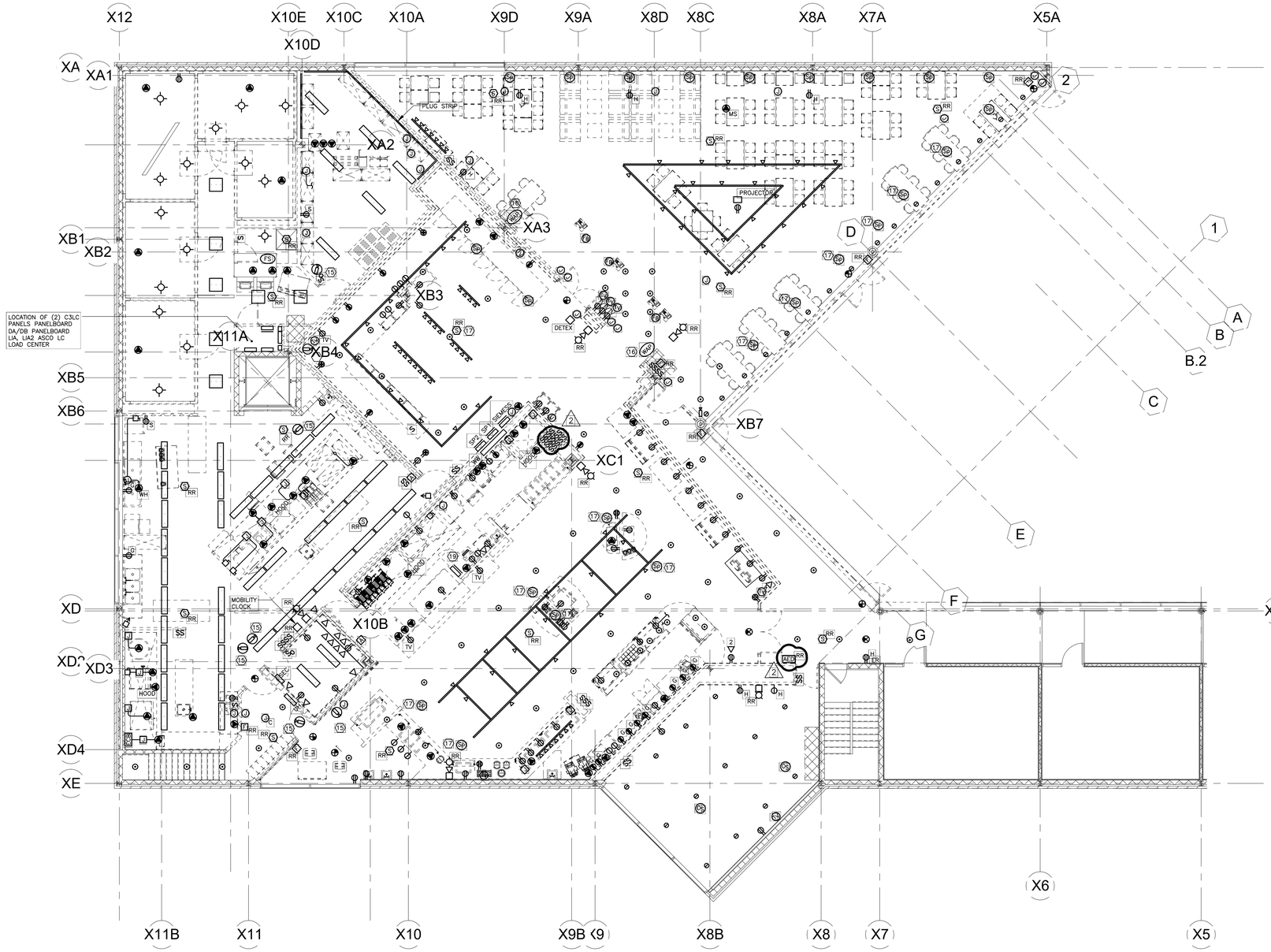
DRAWING NAME:

ROOF FRAMING PLAN

DRAWING NO.

S102

Plot Date: 3/29/2018 4:52:57 PM Dwg Filename: C:\Users\Jonathan\Documents\SUNY_Purchase_Struct_rev_JonathanZwick.rvt



FIRST FLOOR ELECTRICAL DEMOLITION PLAN

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

G:\IES Projects\2017 Projects\Team PJP\17163 SUNY Purchase The Hub\Contract Documents\17163-DE101.dwg Plotted by ptorello on Apr 12, 2018 - 3:09pm

ARCHITECT:

PHASE ZERO DESIGN

8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

CLIENT:

chartwells
where hungry minds gather

www.chartwellshighered.com

OWNER:

Purchase College
STATE UNIVERSITY OF NEW YORK

www.purchase.edu

CONSULTANT:

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
2	04/12/2018	ADDENDUM #2

SEAL:

ISSUED FOR: BID

ISSUED DATE: 02.16.2018

DRAWN BY: IES

CHECKED BY: IES

PROJECT NUMBER: 1416244

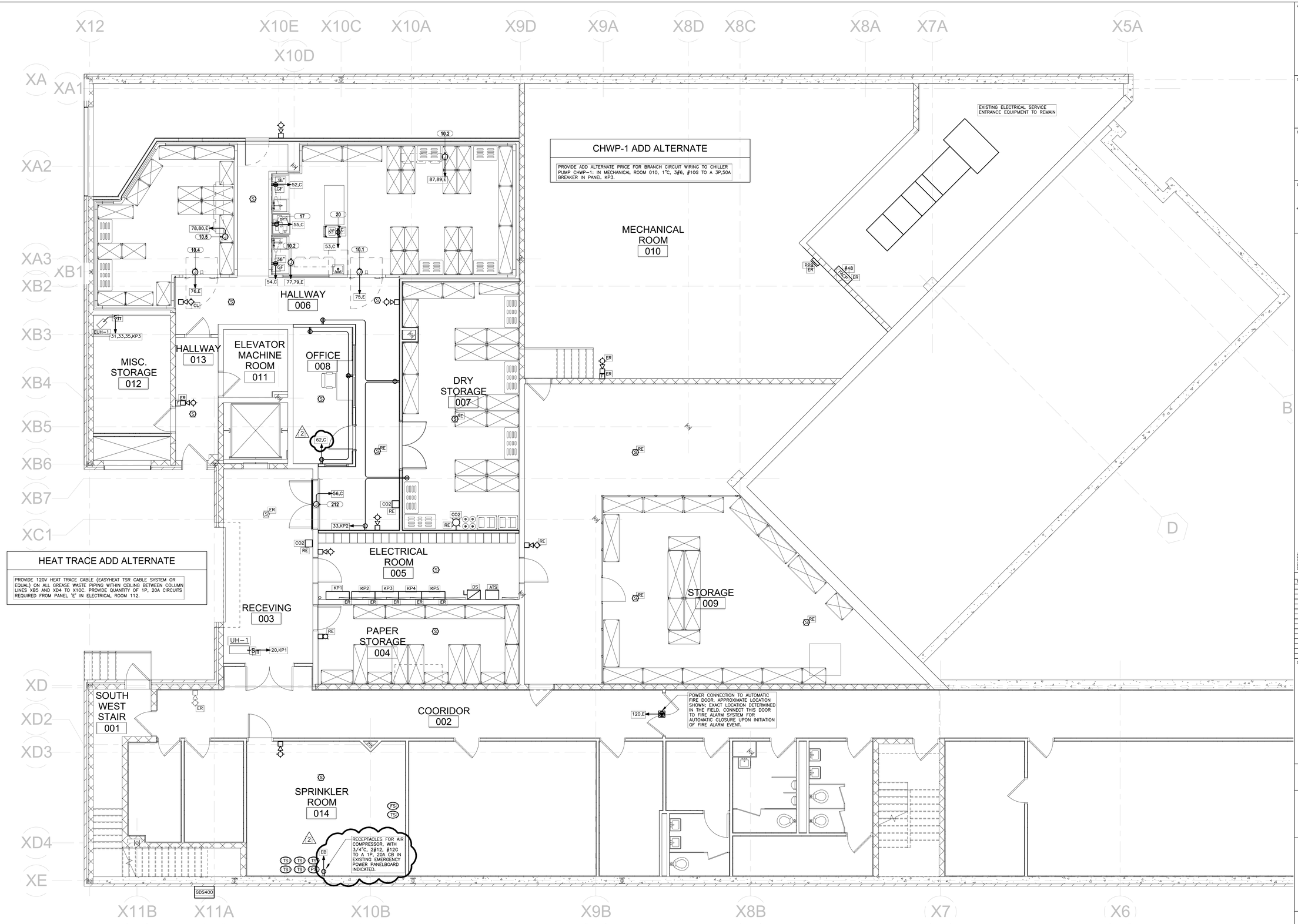
Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

DRAWING NAME:

FIRST FLOOR ELECTRICAL DEMOLITION PLAN

DRAWING NO.

DE101



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

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

CLIENT:
chartwells
where hungry minds gather
www.chartwellshighered.com

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

CONSULTANT:
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
2	04/12/2018	ADDENDUM #2

SEAL:

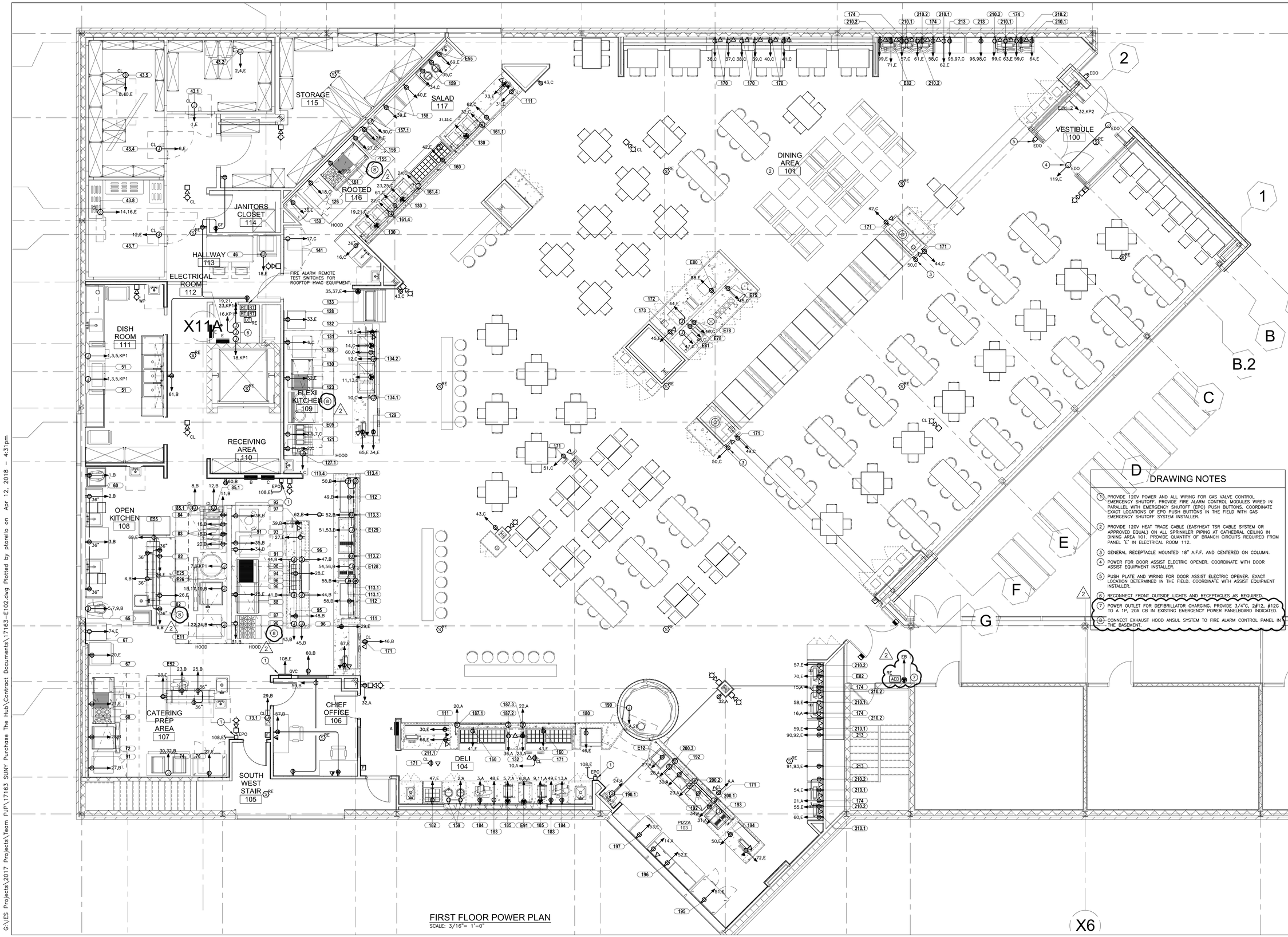
ISSUED FOR: BID
ISSUED DATE: 02.16.2018
DRAWN BY: IES
CHECKED BY: IES
PROJECT NUMBER: 1416244

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

DRAWING NAME:
BASEMENT POWER PLAN

DRAWING NO.
E100

G:\IES Projects\2017 Projects\Team PJP\17163 SUNY Purchase The Hub\Contract Documents\17163-E100.dwg Plotted by ptorello on Apr 12, 2018 - 3:09pm



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.
7. POWER OUTLET FOR DEFIBRILLATOR CHARGING. PROVIDE 3/4"C, 2#12, #12G TO A 1P, 20A CB IN EXISTING EMERGENCY POWER PANELBOARD INDICATED.
8. CONNECT EXHAUST HOOD ANSUL SYSTEM TO FIRE ALARM CONTROL PANEL IN THE BASEMENT.

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

CLIENT:
chartwells
where hungry minds gather
www.chartwellshighered.com

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

CONSULTANT:
INNOVATIVE ENGINEERING SERVICES, L.L.C
AN INTEGRATED ENGINEERING + DESIGN FIRM
1266 HIGHLAND AVENUE, SUITE 2
WALLINGFORD, CT 06492
TEL: 203.467.6370
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
2	04/12/2018	ADDENDUM #2

SEAL:

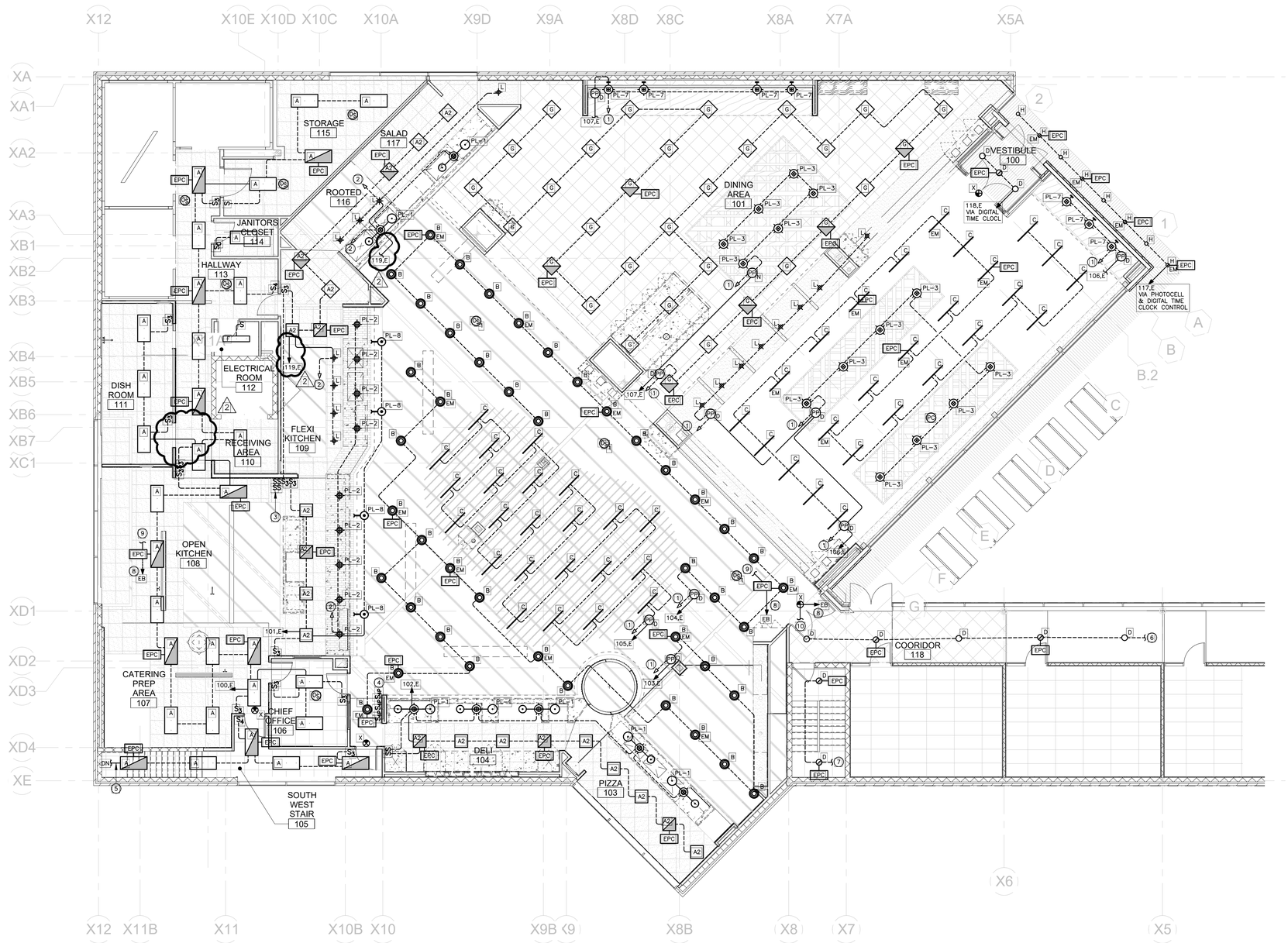
ISSUED FOR: BID
ISSUED DATE: 02.16.2018
DRAWN BY: IES
CHECKED BY: IES
PROJECT NUMBER: 1416244

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

DRAWING NAME:
FIRST FLOOR POWER PLAN

DRAWING NO.
E102

G:\IES Projects\2017 Projects\Team PJP\17163 SUNY Purchase The Hub\Contract Documents\17163-E102.dwg Plotted by ptorello on Apr 12, 2018 - 4:31pm



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.

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

CLIENT:
chartwells
where hungry minds gather
www.chartwellshighered.com

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

CONSULTANT:
INNOVATIVE ENGINEERING SERVICES, LLC
AN INTEGRATED ENGINEERING + DESIGN FIRM
53 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
2	04/12/2018	ADDENDUM #2

SEAL:

ISSUED FOR: BID
ISSUED DATE: 02.16.2018

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

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

DRAWING NAME:
FIRST FLOOR LIGHTING PLAN

DRAWING NO.
E103

G:\IES Projects\2017 Projects\Team PJP\17163 SUNY Purchase The Hub\Contract Documents\17163-E103.dwg Plotted by ptorello on Apr 12, 2018 - 3:09pm

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

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	A	B	C	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		17.8	21.9	26.7						
				GRAND TOTAL	66.4									

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	A	B	C	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			•	0.2	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	LIGHTING	3/4"C, 2#12, #12G	0.2			•	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 2	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	LIGHTING	3/4"C, 2#12, #12G	1.0			•	0.0	–	SPARE	1	20	120
121	20	1	SPARE	–	0.0	•			0.0	–	SPARE	1	20	122
123	20	1	SPARE 2	–	0.0		•		0.0	–	SPARE	1	20	124
125	20	1	SPARE	–	0.0			•	0.0	–	SPARE	1	20	126
				TOTALS PER PHASE		24.9	20.9	20.2						
				GRAND TOTAL	66.0									

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	A	B	C	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. E05 2	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	•			0.8	3/4"C, 2#12, #12G	RECEPTACLES – 008	1	20	62 2
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		25.4	18.2	23.2						
				GRAND TOTAL	66.8									

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	A	B	C	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		15.4	12.8	16.7						
				GRAND TOTAL (CONNECTED)	44.9									

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

CLIENT:
chartwells — where hungry minds gather
www.chartwellshighered.com

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

CONSULTANT:
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
2	04/12/2018	ADDENDUM #2

SEAL:

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

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

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 ptorello on Apr 12, 2018 – 3:10pm

PANEL KP1 (EXISTING)

RATING: 208Y/120V, 3 PHASE, 4 WIRE
MAIN BUS: ☒ CU ☐ AL 1200A MAIN BUS
MAIN DEVICE: 1000A MCB
INTERRUPTING RATING: FIELD VERIFY

LOCATION: BASEMENT ELECTRICAL ROOM
MOUNTING: ☐ FLUSH ☒ SURFACE
TRIM: ☒ SINGLE DOOR ☐ DOOR-IN-DOOR

	CKT. NO.	CKT. BKR. TRIP AMPS	CKT. BKR. POLES	DESCRIPTION	WIRE & CONDUIT	KVA	A	B	C	KVA	WIRE & CONDUIT	DESCRIPTION	CKT. BKR. POLES	CKT. BKR. TRIP AMPS	CKT. NO.	
	1	150	3	ITEM NO. 51	REFER TO SCHEDULE	13.0				13.0	REFER TO SCHEDULE	ITEM NO. 51	3	150	2	
A	3	–	–	–	–	13.0				13.0	–	–	–	–	4	A
	5	–	–	–	–	13.0				13.0	–	–	–	–	6	
	7	100	2	ITEM NO. E25	REFER TO SCHEDULE	7.4				15.0	REFER TO RISER	PANEL A	3	225	8	
A	9	–	–	–	–	7.4				12.8	–	–	–	–	10	A
	11		1	SHUNT TRIP 120V	3/4"C, 2#12, #12G	0.0				16.7	–	–	–	–	12	
	13	300	3	PANEL B	REFER TO RISER	17.0				0.6	3/4"C, 2#12, #12G	RECEPTACLES – ROOF	1	20	14	
	15	–	–	–	–	21.1				1.0	3/4"C, 2#12, #12G	FRONT OUTSIDE LIGHTS	1	20	16	
	17	–	–	–	–	25.9				1.0	3/4"C, 2#12, #12G	OUTSIDE RECEPTACLES	1	20	18	
	19	20	1	FRONT OUTSIDE LIGHTS	3/4"C, 2#12, #12G	1.0				0.2	3/4"C, 2#12, #12G	UH-1	1	20	20	
	21	20	1	FRONT OUTSIDE LIGHTS	3/4"C, 2#12, #12G	1.0				0.0	–	–	1	20	22	
	23	20	1	FRONT OUTSIDE LIGHTS	3/4"C, 2#12, #12G	1.0				0.0	–	–	1	20	24	
	25	20	1	–	–	0.0				0.0	–	–	1	20	26	
	27	20	1	–	–	0.0				0.0	–	–	1	20	28	
	29	20	1	–	–	0.0				0.0	–	–	1	20	30	
	31	20	1	–	–	0.0				0.0	–	–	1	20	32	
	33	20	1	–	–	0.0				0.0	–	–	1	20	34	
	35	20	1	–	–	0.0				0.0	–	–	1	20	36	
	37	20	1	–	–	0.0				0.0	–	–	1	20	38	
	39	20	1	–	–	0.0				0.0	–	–	1	20	40	
	41	20	1	–	–	0.0				0.0	–	–	1	20	42	
					TOTALS PER PHASE		67.2	69.3	71.6							
					GRAND TOTAL (CONNECTED)	208.1										

PANEL KP2 (EXISTING)

RATING: 208Y/120V, 3 PHASE, 4 WIRE
MAIN BUS: ☒ CU ☐ AL 1200A MAIN BUS
MAIN DEVICE: MLO
INTERRUPTING RATING: FIELD VERIFY

LOCATION: BASEMENT ELECTRICAL ROOM
MOUNTING: ☐ FLUSH ☒ SURFACE
TRIM: ☒ SINGLE DOOR ☐ DOOR-IN-DOOR

	CKT. NO.	CKT. BKR. TRIP AMPS	CKT. BKR. POLES	DESCRIPTION	WIRE & CONDUIT	KVA	A	B	C	KVA	WIRE & CONDUIT	DESCRIPTION	CKT. BKR. POLES	CKT. BKR. TRIP AMPS	CKT. NO.	
	1	300	3	PANEL C	REFER TO RISER	24.1				0.0	REFER TO RISER	–	–	–	2	
A	3	–	–	–	–	18.2				0.0	–	–	–	–	4	
	5	–	–	–	–	23.2				0.0	–	–	–	–	6	
	7	20	3	–	–	0.0				0.0	–	–	3	20	8	
	9	–	–	–	–	0.0				0.0	–	–	–	–	10	
	11	–	–	–	–	0.0				0.0	–	–	–	–	12	
	13	20	3	–	–	0.0				0.0	–	–	3	40	14	
	15	–	–	–	–	0.0				0.0	–	–	–	–	16	
	17	–	–	–	–	0.0				0.0	–	–	–	–	18	
	19	20	3	–	–	0.0				0.0	–	–	3	20	20	
	21	–	–	–	–	0.0				0.0	–	–	–	–	22	
	23	–	–	–	–	0.0				0.0	–	–	–	–	24	
	25	20	3	–	–	0.0				0.0	–	–	3	20	26	
	27	–	–	–	–	0.0				0.0	–	–	–	–	28	
	29	–	–	–	–	0.0				0.0	–	–	–	–	30	
	31	20	1	EUH-2	3/4"C, 2#12, #12G	1.5				0.0	–	–	3	20	32	
	33	20	1	–	–	0.0				0.0	–	–	–	–	34	
	35	20	1	–	–	0.0				0.0	–	–	–	–	36	
	37	20	3	–	–	0.0				0.0	–	SPACE	3	–	38	
	39	–	–	–	–	0.0				0.0	–	–	–	–	40	
	41	–	–	–	–	0.0				0.0	–	–	–	–	42	
	43	30	1	–	–	0.0				0.0	–	–	1	20	44	
	45	–	–	–	–	0.0				0.0	–	SPACE	1	–	46	
					TOTALS PER PHASE		25.6	18.2	23.2							
					GRAND TOTAL (CONNECTED)	67.0										

PANEL KP3 (EXISTING)

RATING: 208Y/120V, 3 PHASE, 4 WIRE
MAIN BUS: ☒ CU ☐ AL 1200A MAIN BUS
MAIN DEVICE: MLO
INTERRUPTING RATING: FIELD VERIFY

LOCATION: BASEMENT ELECTRICAL ROOM
MOUNTING: ☐ FLUSH ☒ SURFACE
TRIM: ☒ SINGLE DOOR ☐ DOOR-IN-DOOR

	CKT. NO.	CKT. BKR. TRIP AMPS	CKT. BKR. POLES	DESCRIPTION	WIRE & CONDUIT	KVA	A	B	C	KVA	WIRE & CONDUIT	DESCRIPTION	CKT. BKR. POLES	CKT. BKR. TRIP AMPS	CKT. NO.	
	1	50	3	MAU-1-4	1"C, 3#6, #10G	3.1				2.1	1"C, 3#8, #10G	MAU-5	3	35	2	
A	3	–	–	–	–	3.1				2.1	–	–	–	–	4	
	5	–	–	–	–	3.1				2.1	–	–	–	–	6	
	7	35	3	MAU-6	1"C, 3#8, #10G	2.1				0.8	3/4"C, 2#12, #12G	MAU-7	3	15	8	
A	9	–	–	–	–	2.1				0.8	–	–	–	–	10	A
	11	–	–	–	–	2.1				0.8	–	–	–	–	12	
	13	50	3	KEF-1-4	1"C, 3#6, #10G	3.1				0.9	3/4"C, 2#12, #12G	KEF-5	3	15	14	
A	15	–	–	–	–	3.1				0.9	–	–	–	–	16	A
	17	–	–	–	–	3.1				0.9	–	–	–	–	18	
	19	20	3	KEF-6	1"C, 3#12, #12G	1.3				0.8	3/4"C, 2#12, #12G	KEF-7	3	15	20	
A	21	–	–	–	–	1.3				0.8	–	–	–	–	22	A
	23	–	–	–	–	1.3				0.8	–	–	–	–	24	
	25	15	3	KEF-8	3/4"C, 3#12, #12G	0.2				0.2	3/4"C, 2#12, #12G	KEF-9	3	15	26	
A	27	–	–	–	–	0.2				0.2	–	–	–	–	28	A
	29	–	–	–	–	0.2				0.2	–	–	–	–	30	
	31	20	2	EUH-1	3/4"C, 2#12, #12G	1.1				0.0	–	–	2	20	32	
	33	–	–	–	–	1.1				0.0	–	–	–	–	34	
	35	20	2	–	–	0.0				0.0	–	–	2	20	36	
	37	–	–	–	–	0.0				0.0	–	–	–	–	38	
	39	20	2	–	–	0.0				0.0	–	–	2	20	40	
	41	–	–	–	–	0.0				0.0	–	–	–	–	42	
	43	20	2	–	–	0.0				0.0	–	SPACE	2	–	44	
	45	–	–	–	–	0.0				0.0	–	–	–	–	46	
					TOTALS PER PHASE		15.7	15.7	14.6							
					GRAND TOTAL (CONNECTED)	46.0										

PANELBOARD NOTES:

(A) REMOVE EXISTING CIRCUIT BREAKER(S) AND PROVIDE INDICATED CIRCUIT BREAKER, BUSSING AND MOUNTING HARDWARE AS REQUIRED.

FOODSERVICE ELECTRICAL SCHEDULE - FIRST LEVEL

ITEM NO	QTY	DESCRIPTION	AMPS	WATTS	HP	VOLTS	PHASE	CYCLE	CONN TYPE	NEMA	ELEC AFF	CONDUIT AND WIRE
43.1	1	COOLER LIGHT AND WINDOW HEATER	5.00			120	1	60	DIRECT		102"	3/4"C, 2#12, #12G
43.2	1	EVAPORATOR COIL, COOLER	1.00			208	1	60	DIRECT		120"	3/4"C, 2#12, #12G
43.3	1	CONDENSING UNIT, COOLER	14.40		1	208	3	60	DIRECT		18"	3/4"C, 2#12, #12G
43.4	1	COOLER LIGHT AND WINDOW HEATER	5.00			120	1	60	DIRECT		102"	3/4"C, 2#12, #12G
43.5	1	EVAPORATOR COIL	1.40			208	1	60	DIRECT		120"	3/4"C, 2#12, #12G
43.6	1	CONDENSING UNIT, COOLER	14.40		1	208	3	60	DIRECT		18"	3/4"C, 3#10, #10G
43.7	1	COOLER LIGHT AND WINDOW HEATER	5.00			120	1	60	DIRECT		102"	3/4"C, 2#12, #12G
43.8	1	EVAPORATOR COIL, COOLER	1.00			208	1	60	DIRECT		120"	3/4"C, 2#12, #12G
43.9	1	CONDENSING UNIT, COOLER	14.40		1	208	3	60	DIRECT		18"	3/4"C, 3#10, #10G
46	1	MODULAR CUBELET ICE MACHINE – AIR-COOLED	15.20			120	1	60	DIRECT		60"	3/4"C, 2#12, #12G
51	1	DISHWASHER, CONVEYOR TYPE	108.00		3.3	208	3	60			48"	2"C, 3#1/0, #6G
60	1	MIXER, 20 QT	8.00			120	1	60	CORD & PLUG	5-15P	48"	3/4"C, 2#12, #12G
65	1	30QT MIXER	2.80			208	3	60	DIRECT		18"	3/4"C, 2#12, #12G
66	1	HOT HOLDING CABINET	16.70			120	1	60	CORD & PLUG	5-20P	48"	3/4"C, 2#10, #10G
67	2	REFRIGERATOR, ROLL-IN	9.60			120	1	60	CORD & PLUG	5-15P	48"	3/4"C, 2#12, #12G
68	1	GRIDDLE STAND, REFRIGERATOR	6.10			120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
72	1	TILT SKILLET, GAS	1.80			120	1	60	CORD & PLUG		18"	3/4"C, 2#12, #12G
73	1	EXHAUST HOOD	15.00			120	1	60	DIRECT		104"	3/4"C, 2#12, #12G
74	1	HOT CABINET, ROLL-IN	14.50			120/208	1	60	DIRECT		90"	3/4"C, 2#12, #12G
76	1	REFRIGERATOR, REACH-IN	6.50			120	1	60	CORD & PLUG	5-15P	48"	3/4"C, 2#12, #12G
78	1	WORKTOP REFRIGERATOR	7.60		1/4	120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
82	2	REFRIGERATOR, WORKTOP	6.60			120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
83	3	FRYER	6.10			120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
84	1	FRYER DUMP STATION	6.30			120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
85	4	EXHAUST HOOD	15.00			120	1	60	DIRECT		104"	3/4"C, 2#12, #12G
87	1	36" OPEN-TOP BURNER RANGE – CONVECTION – OVEN BASE	5.90	708	1/2	120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
88	1	GRIDDLE STAND, REFRIGERATOR	7.50			120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
91	2	OVEN-STEAMER, COMBINATION, GAS, DOUBLE STACK	15.00			120	1	60	CORD & PLUG	5-15P	48"	3/4"C, 2#12, #12G
91	2	OVEN-STEAMER, COMBINATION, GAS, DOUBLE STACK – 2ND CONN	15.00			120	1	60	CORD & PLUG	5-15P	48"	3/4"C, 2#12, #12G
92	1	ROTISSERIE, VERTICAL, GAS	1.30			120	1	60	CORD & PLUG	5-15P	36"	3/4"C, 2#12, #12G
93	1	REFRIGERATOR, UNDERCOUNTER	7.30			120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
94	1	REFRIGERATED SANDWICH UNIT	7.30		1/5	120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
95	1	CABINET, MOBILE, WARMING & HOLDING	7.50			120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
96	6	HEAT LAMP	5.00			120	1	60	DIRECT		18"	3/4"C, 2#12, #12G
97	1	OMS SCREEN – WALL MOUNT	10.00			120	1	60	CORD & PLUG	5-15P	18"	DATA CONNECTION – ESTIMATED UTLITIES – FIELD VERIFY
111	3	REFRIGERATED CASE	15.02			120	1	60	CORD & PLUG	5-20P	18"	3/4"C, 2#12, #12G
112	2	HEATED SHELF, DROP-IN	8.30			120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
113.1	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
113.1	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
113.2	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
113.3	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
113.4	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
113.4	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
121	1	FRYER, SPREADER CABINET	6.30			120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
123	1	GRIDDLE STAND, REFRIGERATOR	5.70			120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
126	2	OVEN-STEAMER, COMBINATION, GAS	15.00			120	1	60	CORD & PLUG	5-15P	48"	3/4"C, 2#12, #12G
127	1	EXHAUST HOOD	15.00			120	1	60	DIRECT		104"	3/4"C, 2#12, #12G
128	1	FREEZER, REACH-IN	6.30		0.5	120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
129	1	REFRIGERATED CASE	14.58			120	1	60	CORD & PLUG	5-20P	18"	3/4"C, 2#12, #12G
130	4	DROP-IN, HOT/COLD WELL	12.00			120/208	1	60	CORD & PLUG	14-20P	18"	3/4"C, 2#12, #12G
131	1	DROP IN, HOT/COLD/FREEZE WELL	9.60			120/208	1	60	CORD & PLUG	14-20P	18"	3/4"C, 2#12, #12G
132	2	OMS SCREEN – WALL MOUNT	10.00			120	1	60	CORD & PLUG	5-15P	18"	DATA CONNECTION – ESTIMATED UTLITIES – FIELD VERIFY
133	1	DISPLAY CASE, SUSHI PREP	11.30			120/208	1	60	CORD & PLUG	L14-20P	18"	3/4"C, 2#12, #12G
134.1	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
134.1	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
134.2	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
134.2	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
141	1	GROWING CABINET	4.40			120	1	60	CORD & PLUG	5-15P	48"	3/4"C, 2#12, #12G
150	1	FREEZER, REACH-IN	6.30			120	1	60	CORD & PLUG	5-15P	48"	3/4"C, 2#12, #12G
151	1	GRIDDLE STAND, REFRIGERATOR	6.10			120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
155	1	FRYER	6.10			120	1	60	CORD & PLUG	5-15P	24"	3/4"C, 2#12, #12G
156	1	FRYER DUMP STATION	6.30			120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
157	1	EXHAUST HOOD	15.00			120	1	60	DIRECT		104"	3/4"C, 2#12, #12G
158	2	REFRIGERATED SELF-SERVICE CASE – 24"D	16.00			120	1	60	CORD & PLUG	5-20P	18"	3/4"C, 2#12, #12G
159	4	SOUP WARMER/RETHERMALIZER	6.70			120	1	60	CORD & PLUG	5-15P		3/4"C, 2#12, #12G
160	3	SANDWICH UNIT, REFRIGERATED	7.60		1/4	120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
161.1	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
161.4	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
161.5	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
170	6	LCD SCREEN	10.00			120	1	60	CORD & PLUG	5-15P	72"	DATA CONNECTION – ESTIMATED UTLITIES – FIELD VERIFY
171	6	OSM SCREEN	10.00			120	1	60	CORD & PLUG	5-15P	72"	DATA CONNECTION – ESTIMATED UTLITIES – FIELD VERIFY
172	1	ICE MAKER & DISPENSER	8.50			120	1	60	DIRECT		48"	3/4"C, 2#12, #12G
173	1	MULTI BEVERAGE DISPENSER	10.00			120	1	60	CORD & PLUG	5-15P	18"	DATA CONNECTION – ESTIMATED UTLITIES – FIELD VERIFY, 3/4"C, 2#12, #12G
174	6	MENU SCREEN	10.00			120	1	60	CORD & PLUG	5-15P	72"	DATA CONNECTION – ESTIMATED UTLITIES – FIELD VERIFY, 3/4"C, 2#12, #12G
180	1	REFRIGERATED DISPLAY CASE	5.70		1/3	120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
182	1	SANDWICH UNIT, REFRIGERATED	6.30			120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
183	2	UNDERCOUNTER REFRIGERATOR, GLASS DOOR	7.40		1/4	120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
184	2	SLICER	7.00		1/2	120	1	60	CORD & PLUG	5-15P	36"	3/4"C, 2#12, #12G
185	2	SANDWICH PRESS	26.00			208	1	60	CORD & PLUG	6-30P	36"	3/4"C, 2#12, #12G
187.1	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
187.2	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
187.3	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
190	1	OVEN, HEARTH	1.10			120	1	60	DIRECT		36"	3/4"C, 2#12, #12G
192	2	HEATED SHELF, DROP-IN	6.50			120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
193	1	HOT/COLD PAN, DROP-IN	25.00			120	1	60	DIRECT		18"	1"C, 2#8, #10G
194	1	REFRIGERATED CASE	11.70			120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
195	1	REFRIGERATOR, REACH-IN	6.50			120	1	60	CORD & PLUG	5-15P	36"	3/4"C, 2#12, #12G
196	1	PIZZA PREP, REFRIGERATOR	14.40		3/4	120	1	60	CORD & PLUG	5-15P	18"	3/4"C, 2#12, #12G
197	1	REFRIGERATOR, ROLL-IN	9.60			120	1	60	CORD & PLUG	5-15P	36"	3/4"C, 2#12, #12G
200.1	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
200.2	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
200.2	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
200.3	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
200.3	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER, 3/4"C, 2#12, #12G
210	4	POS, SELF-CHECKOUT	10.00			120	1	60	CORD & PLUG	5-15P	18"	DATA CONNECTION – ESTIMATED UTLITIES – FIELD VERIFY, 3/4"C, 2#12, #12G
210.1	6	POS, SELF-CHECKOUT	10.00			120	1	60	CORD & PLUG	5-15P	18"	DATA CONNECTION – ESTIMATED UTLITIES – FIELD VERIFY, 3/4"C, 2#12, #12G
210.2	15	PRINTER, ORDER	5.00			120	1	60	CORD & PLUG	5-15P	18"	ESTIMATED UTILITIES – FIELD VERIFY, 3/4"C, 2#12, #12G
211	1	P.O.S.	10.00			120	1	60	CORD & PLUG	5-15P	18"	DATA CONNECTION – VERIFY ELECTRICAL REQUIREMENTS, 3/4"C, 2#12, #12G
211.1	2	P.O.S.	10.00			120	1	60	CORD & PLUG	5-15P	18"	DATA CONNECTION – VERIFY ELECTRICAL REQUIREMENTS, 3/4"C, 2#12, #12G
212	1	AIR CURTAIN	10.20			120	1	60	DIRECT		108"	3/4"C, 2#12, #12G
213	4	SELF-SERVE SLIM LINE MERCHANDISER, REFRIGERATED	12.80		3/4	208	1	60	CORD & PLUG	6-30P	0"	3/4"C, 2#12, #12G
E05	1	FRYER, DEEP FAT, ELECTRIC	39.00			208	3	60	DIRECT		18"	VERIFY ELECTRICAL REQUIREMENTS – 1"C, 3#6, #10G
E11	1	CONVECTION OVEN, ELECTRIC	50.00			208	1	60	DIRECT		36"	VERIFY ELECTRICAL REQUIREMENTS – 1-1/4"C, 2#4, #8G
E12	1	FLAV-R-SAVOR, PORTABLE HOLDING CABINET	17.10			120	1	60	CORD & PLUG	5-20P	18"	VERIFY ELECTRICAL REQUIREMENTS – 3/4"C, 2#12, #12G
E25	1	ELECTRIC KETTLE	70.80			208	1	60	DIRECT		18"	VERIFY ELECTRICAL REQUIREMENTS – 1-1/4"C, 3#3, #8G
E26	1	TILT SKILLET	25.00			208	3	60	DIRECT		48"	VERIFY ELECTRICAL REQUIREMENTS – 1"C, 3#8, #10G
E52	1	SLICER	7.00		1/2	120	1	60	CORD & PLUG	5-15P	48"	VERIFY ELECTRICAL REQUIREMENTS – 3/4"C, 2#12, #12G
E55	2	WORKTOP REFRIGERATOR	5.00		1/5	120	1	60	CORD & PLUG	5-15P	18"	VERIFY ELECTRICAL REQUIREMENTS – 3/4"C, 2#12, #12G
E75	1	CAPPUCCINO DISPENSER		1800		120	1	60	CORD & PLUG	5-15P	48"	VERIFY ELECTRICAL REQUIREMENTS – 3/4"C, 2#12, #12G
E78	2	COFFEE GRINDER	9.40			120	1	60	CORD & PLUG	5-15P	18"	VERIFY ELECTRICAL REQUIREMENTS – 3/4"C, 2#12, #12G
E80	1	MILK DISPENSER	1.90			120	1	60	CORD & PLUG	5-15P	48"	VERIFY ELECTRICAL REQUIREMENTS – 3/4"C, 2#12, #12G
E81	1	THERMAL COFFEE BREWER, DOUBLE	12.00			208	1	60	DIRECT		48"	VERIFY ELECTRICAL REQUIREMENTS – 3/4"C, 2#12, #12G
E82	2	POS, SELF-CHECKOUT	10.00			120	1	60	CORD & PLUG	5-15P	18"	DATA CONNECTION – ESTIMATED UTLITIES – FIELD VERIFY
E91	1	OVEN	30.00			208	1	60	CORD & PLUG	6-30P	48"	VERIFY ELECTRICAL REQUIREMENTS – 1"C, 2#6, #10G
E128	1	HOT/COLD PAN, DROP-IN	25.00			120	1	60	DIRECT		18"	VERIFY ELECTRICAL REQUIREMENTS – 3/4"C, 2#12, #12G
E129	1	HOT/COLD PAN, DROP-IN	21.00			120/240	1	60	DIRECT		18"	VERIFY ELECTRICAL REQUIREMENTS – 3/4"C, 2#12, #12G

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

CLIENT:
chartwells where hungry minds gather
www.chartwellshighered.com

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

CONSULTANT:
INNOVATIVE ENGINEERING SERVICES, LLC
AN INTEGRATED ENGINEERING + DESIGN FIRM
53 N PLAINS INDUSTRIAL RD
WALLINGFORD, CT

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.

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.

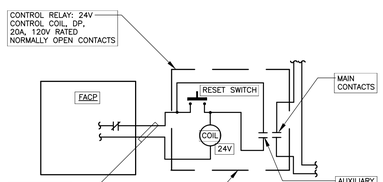
DUCT SMOKE DETECTION

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
ø	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
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
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:	18" 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.:	2L-P-AD-D4-SOF-C3-35K-DOXXX-D01-1C-UNV-TAX
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:	–

LIGHTING FIXTURE TYPE D D

MANUFACTURER:	JUNO LIGHTING
CATALOG NO.:	LB-231LM-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 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.:	LW4-4-38DD-35K-HTA-SXX-UNV
FIXTURE DESCRIPTION:	4' LINEAR LUMINAIRE
VOLTAGE:	120
LAMP & DESIGNATION:	22W LED, 3800 LUMENS
DRIVER:	ELECTRONIC
MOUNTING:	SURFACE
HOUSING:	STEEL
LENS/LOUVER:	PRISMATIC
REMARKS:	–

LIGHTING FIXTURE TYPE G G

MANUFACTURER:	LITHONIA LIGHTING
CATALOG NO.:	2ALI-3N-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-LO8AR-LSS-MVOLT-EZ1
FIXTURE DESCRIPTION:	5" 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:	(1) 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:	14" 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:

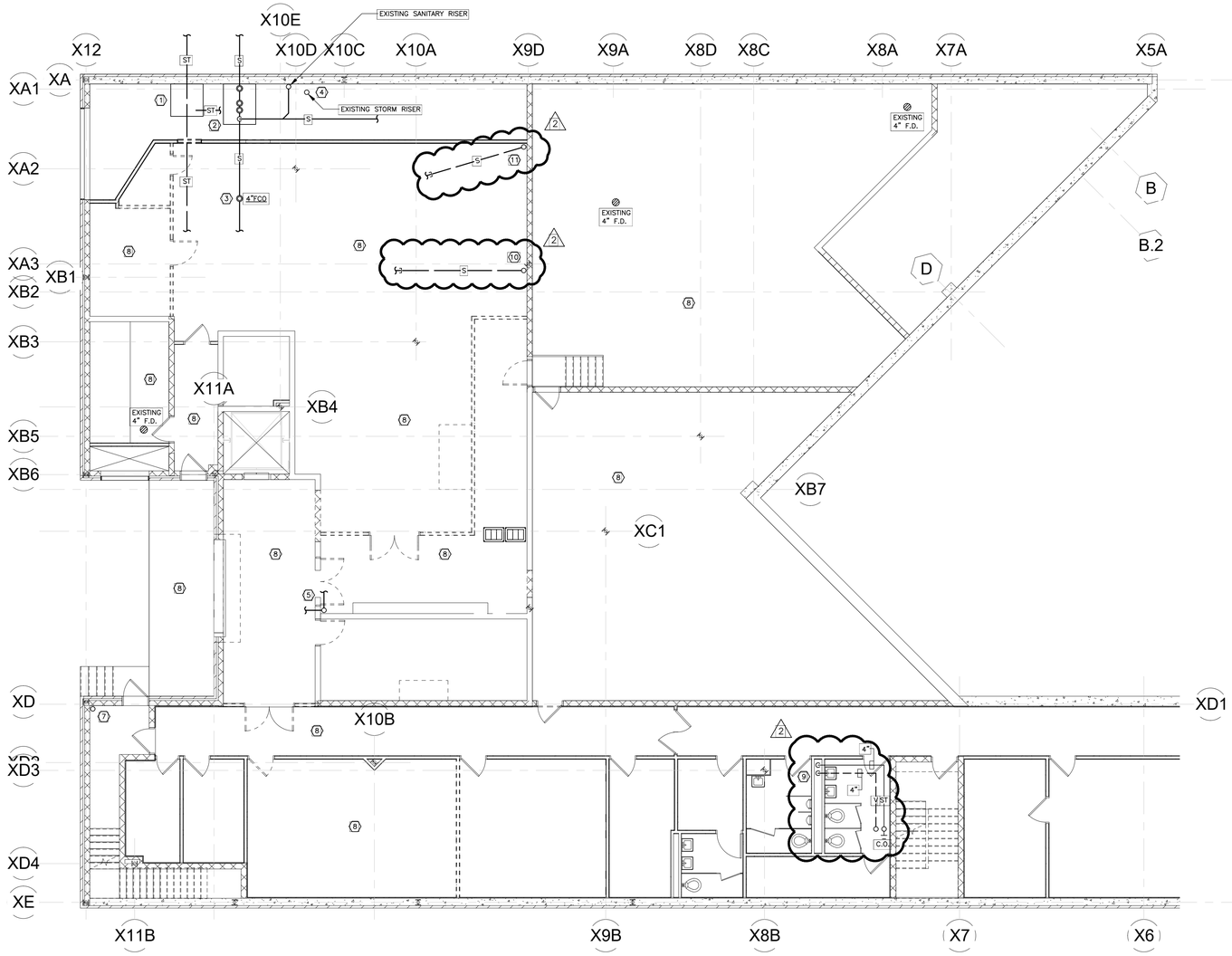
1. ALL LAMP COLORS SHALL BE 3500K UNLESS OTHERWISE SPECIFIED.
2. CONFIRM FINISHES OF ALL FIXTURES WITH ARCHITECTURAL PLANS.
3. CONFIRM CEILING TYPES AND MOUNTING HEIGHTS OF ALL FIXTURES WITH ARCHITECTURAL PLANS.
4. HALF-SHADED LIGHT FIXTURE, OR WITH 'EM' SUBSCRIPT, REQUIRES CONNECTION TO LIFE SAFETY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

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
S	SINGLE POLE TOGGLE SWITCH
S_2	TWO POLE TOGGLE SWITCH
S_3	THREE WAY TOGGLE SWITCH
S_4	FOUR WAY TOGGLE SWITCH
S_D	SINGLE POLE DIMMER SWITCH
S_{3D}	THREE WAY DIMMER SWITCH
S_F	FAN SWITCH
S_K	SINGLE POLE KEY SWITCH
S_{3K}	THREE WAY KEY SWITCH
S_{4K}	FOUR WAY KEY SWITCH
S_O	OCCUPANCY SENSOR SWITCH
S_{PO}	EMERGENCY POWER OFF SWITCH
S_{TT}	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.
	JUNCTION BOX
	MOTOR
	SAFETY DISCONNECT SWITCH
	FUSIBLE SAFETY DISCONNECT SWITCH
	FIRE ALARM MAGNETIC DOOR HOLDER
SEC	SECURITY PANEL
	DATA OUTLET
AED	AUTOMATED EXTERNAL DEFIBRILLATOR
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.
S_{2P}	LIGHTING CONTROL WALL POD STATION, TWO (2) CHANNELS. ON/OFF + RAISE/LOWER, ACUITY CONTROLS #nPODM-2P-DX-WH
TS	SPRINKLER TAMPER SWITCH, (FBO)
FS	SPRINKLER WATER FLOW SWITCH, (FBO)
PS	SPRINKLER PRESSURE SWITCH, (FBO)

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 ALL 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 ELECTRICAL REMOVAL WORK. PROVIDE TEMPORARY EXTENSION OF SYSTEMS THAT ARE TO BE REPLACED SO 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 SUCH EQUIPMENT, INCLUDING HAZARDOUS PCB CONTAINING BALLASTS, IN A MANNER CONSISTENT WITH STATE OF CT. DEPARTMENT OF ENVIRONMENTAL PROTECTION 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 LAWS, ORDINANCES, RULES, CODES OR ANY REGULATIONS OF AUTHORITIES HAVING JURISDICTION OR ANY NECESSARY ITEMS OF WORK THAT HAS BEEN OMITTED. CONTRACTOR AFFIRMS THAT ABSENT SUCH NOTICE, ALL SYSTEMS WILL FUNCTION SATISFACTORILY 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 READIL



BASEMENT PLUMBING DEMOLITION PLAN

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

PLUMBING DEMOLITION NOTES

1. CONTRACTOR SHALL VERIFY EXISTING STORM WATER PIPING INTO PIT. NOTIFY ARCHITECT AND ENGINEER OF FINDINGS AND PROCEED TO INTERCONNECT ALL STORM PIPING IN PIT TO ONE STORM MAIN EXITING PIT.
2. CONTRACTOR SHALL REMOVE EXISTING HOUSE TRAP AND CLEANOUT WYE IN PIT AND REPLACE WITH NEW CONTINUOUS SANITARY PIPING EXITING THE BUILDING.
3. CONTRACTOR SHALL PROVIDE NEW 4" FLOOR CLEANOUT AND CONNECT TO EXISTING SANITARY PIPING BELOW GRADE.
4. EXISTING SANITARY AND STORM RISERS IN AIR SHAFT TO REMAIN.
5. CONTRACTOR SHALL REMOVE ALL EXISTING SANITARY PIPING FROM RISER BACK TO THEIR FIXTURE. CAP EXISTING RISER BELOW GRADE.
6. EXISTING HOT WATER, COLD WATER, AND HOT WATER RETURN MAINS SHALL REMAIN. PROVIDE NEW ISOLATION VALVES AND CAPS FOR FUTURE CONNECTIONS. REFER TO DRAWING P100 FOR CONTINUATION.
7. CONTRACTOR SHALL REMOVE ALL EXISTING SANITARY PIPING TO 4" RISER ABOVE CEILING. EXISTING SANITARY RISER SHALL REMAIN FOR FUTURE CONNECTION. REFER TO DRAWING P100 FOR CONTINUATION.
8. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REMOVE FLOOR DRAINS, SANITARY, VENT, HOT WATER, AND COLD WATER PIPING SERVICING THE FIRST FLOOR ABOVE. CONTRACTOR SHALL REMOVE ALL ABANDONED PIPING ABOVE CEILING BACK TO MAINS AND CAP OFF. CONTRACTOR SHALL DOCUMENT ALL EXISTING PLUMBING MAINS TO REMAIN AND PROVIDE INFORMATION TO ARCHITECT AND ENGINEER. ALL STORM PIPING FROM ROOF ABOVE SHALL REMAIN AND BE DOCUMENTED AND PROVIDED TO THE ARCHITECT AND ENGINEER.
9. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING PLUMBING SERVICES UP TO FIRST FLOOR ABOVE AND CAP AT MAINS ON BASEMENT LEVEL. CONTRACTOR SHALL REROUTE 4" VENT PIPING ON BASEMENT LEVEL UP TO FIRST FLOOR ABOVE.
10. CONTRACTOR SHALL REMOVE EXISTING SANITARY PIPING ABOVE AND BELOW SLAB, BEYOND BROKEN PIPING BELOW FLOOR. CAP SANITARY BELOW SLAB.
11. CONTRACTOR SHALL REPAIR EXISTING BROKEN SANITARY PIPING BELOW SLAB. FIELD VERIFY EXISTING CONDITIONS.

2

ARCHITECT:

PHASE ZERO DESIGN

8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

CLIENT:

chartwells
where hungry minds gather

www.chartwellshighered.com

OWNER:

Purchase College
STATE UNIVERSITY OF NEW YORK

www.purchase.edu

CONSULTANT:

INNOVATIVE ENGINEERING SERVICES, LLC
24/7 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
2	04/12/2018	ADDENDUM #2

SEAL:

ISSUED FOR: BID

ISSUED DATE: 02.16.2018

DRAWN BY: IES

CHECKED BY: IES

PROJECT NUMBER: 1416244

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

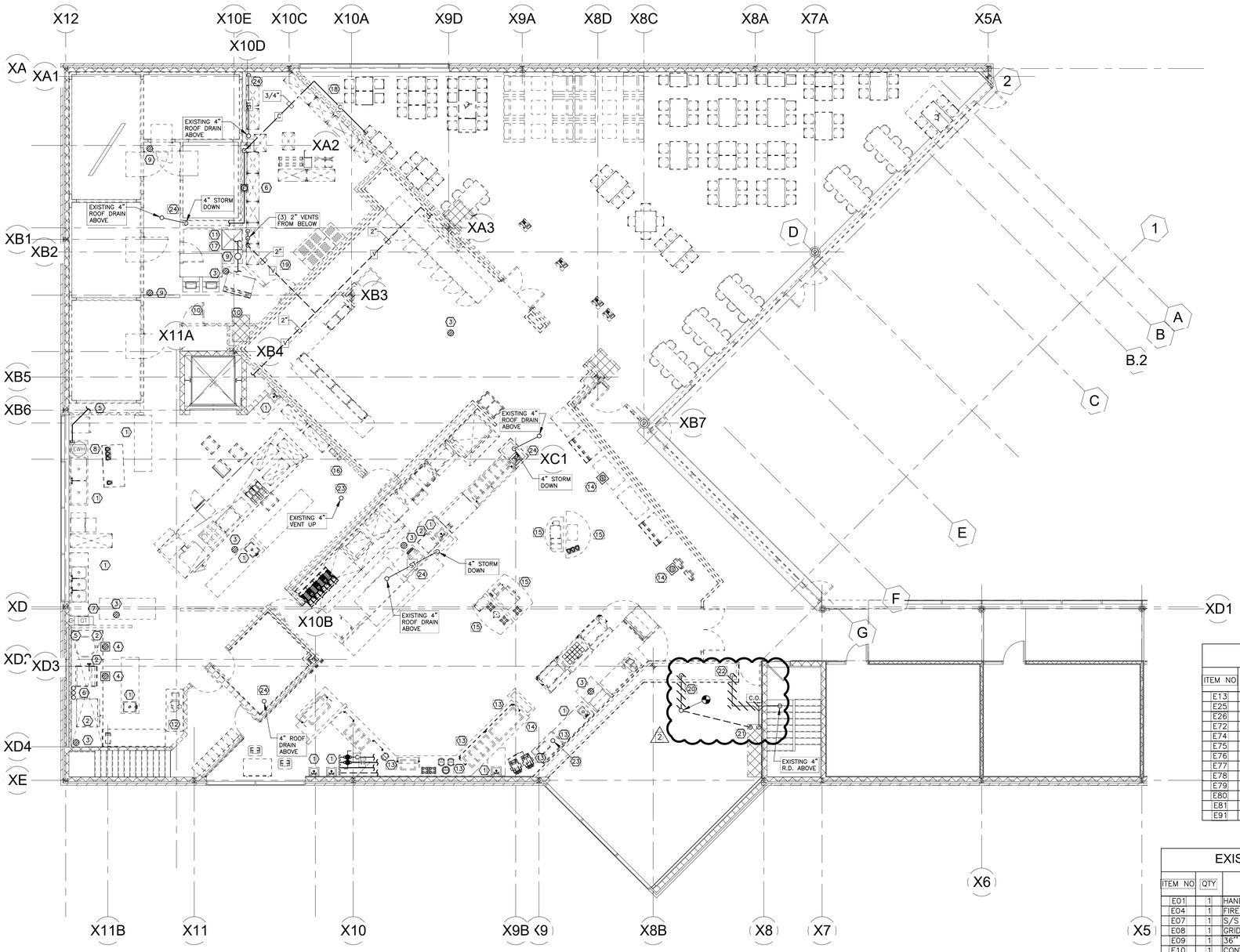
DRAWING NAME:

BASEMENT PLUMBING DEMOLITION PLAN

DRAWING NO.

DP100

G:\IES Projects\2017 Projects\Team PJP\17163 SUNY Purchase The Hub\Contract Documents\17163-DP100.dwg Plotted by ptorello on Apr 12, 2018 - 3:10pm



FIRST FLOOR PLUMBING DEMOLITION PLAN

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

PLUMBING DEMOLITION NOTES

1. CONTRACTOR SHALL DISCONNECT EXISTING SINK, REMOVE SANITARY, VENT, HOT WATER AND COLD WATER PIPING BACK TO MAINS ABOVE CEILING AND BELOW FLOOR. PROVIDE VALVES WITH CAPS FOR FUTURE CONNECTIONS AT MAINS. REFER TO EXISTING FIXTURE AND EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION ON THIS DRAWING.
2. CONTRACTOR SHALL DISCONNECT EXISTING EQUIPMENT, REMOVE SANITARY, VENT, HOT WATER AND COLD WATER PIPING BACK TO MAINS ABOVE CEILING AND BELOW FLOOR. PROVIDE VALVES WITH CAPS FOR FUTURE CONNECTIONS AT MAINS. REFER TO EXISTING FIXTURE AND EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION ON THIS DRAWING.
3. CONTRACTOR SHALL REMOVE EXISTING FLOOR DRAIN, SANITARY PIPING, AND VENT PIPING BACK TO MAIN AND CAP OFF.
4. CONTRACTOR SHALL REMOVE EXISTING STAINLESS STEEL FLOOR SINK, SANITARY PIPING, AND VENT PIPING BACK TO MAINS AND CAP OFF.
5. CONTRACTOR SHALL REMOVE EXISTING SANITARY, VENT, HOT WATER AND COLD WATER PIPING IN WALL AND CAP OFF ABOVE CEILING AND BELOW FLOOR.
6. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING WATER FILTER SYSTEM AND DOMESTIC WATER PIPING BACK TO MAINS, VALVE AND CAP OFF FROM ICE MACHINES. REMOVE EXISTING HOSE BIBB IN WALL.
7. CONTRACTOR SHALL REMOVE EXISTING GREASE TRAP IN FLOOR AND REMOVE ALL EXISTING PIPING BACK TO MAINS AND CAP OFF ABOVE AND BELOW THE FLOOR.
8. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING DOMESTIC HOT WATER HEATER AND ALL DOMESTIC WATER PIPING FROM IT, VALVE AND CAP PIPING BACK AT MAINS BELOW FLOOR.
9. CONTRACTOR SHALL CLEAN EXISTING FLOOR DRAIN AND PIPING. REPLACE EXISTING GRATE WITH NEW SECURED TYPE GRATE.
10. CONTRACTOR SHALL DISCONNECT EXISTING ICE MACHINE AND REMOVE DOMESTIC WATER PIPING AND INDIRECT DRAIN PIPING FROM EQUIPMENT.
11. CONTRACTOR SHALL REMOVE EXISTING MOP SINK, SANITARY, VENT, HOT WATER AND COLD WATER PIPING BACK TO MAINS ABOVE AND BELOW FLOOR AND CAP OFF PIPING AT MAINS.
12. CONTRACTOR SHALL DISCONNECT EXISTING COFFEE BREWER, REMOVE DOMESTIC WATER PIPING FROM EQUIPMENT AND REMOVE PLUMBING PIPING IN WALL AND CAP BELOW AT BASEMENT LEVEL.
13. CONTRACTOR SHALL DISCONNECT EXISTING PLUMBING PIPING TO EQUIPMENT AND REMOVE FROM CABINETRY BACK TO SOURCE IN BASEMENT AND CAP OFF.
14. CONTRACTOR SHALL REMOVE EXISTING FLOOR SINK, SANITARY PIPING, AND VENT PIPING BACK TO MAINS BELOW FLOOR AND ABOVE CEILING, CAP OFF.
15. CONTRACTOR SHALL COORDINATE WITH EQUIPMENT FOOD VENDOR ON DISCONNECTING AND REMOVAL OF EQUIPMENT WITH ACCESSORIES. REMOVE ALL PLUMBING SERVICES DOWN TO BASEMENT LEVEL AND VALVE AND CAP ALL PLUMBING SERVICES BACK TO MAINS.
16. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING EXHAUST HOOD FOR FIRE PROTECTION SYSTEM.
17. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING SOAP DISPENSER SYSTEM AND EXISTING FIRE PROTECTION SYSTEM IN JANITOR'S CLOSET.
18. CONTRACTOR SHALL REMOVE EXISTING DOMESTIC WATER PIPE ON WALL AND VALVE AND CAP IT BACK AT MAIN.
19. CONTRACTOR SHALL REMOVE EXISTING VENT PIPING FROM FLOOR BELOW AND CAP AT MAIN VENT STACK THROUGH ROOF.
20. CONTRACTOR SHALL REMOVE EXISTING 4" VENT STACK FROM BASEMENT BATHROOM BELOW AND REROUTE PIPING TO NEW LOCATION. FIELD VERIFY EXISTING CONDITIONS.
21. PROVIDE NEW 4" VENT RISER AND 4" STORM DRAIN DOWN TO BASEMENT LEVEL.
22. CONTRACTOR SHALL REMOVE EXISTING 4" STORM DRAIN PIPING DOWN TO BASEMENT BELOW AND REROUTE PIPING TO NEW LOCATION. FIELD VERIFY EXISTING CONDITIONS.
23. CONTRACTOR SHALL REMOVE EXISTING VENT PIPING UP THROUGH ROOF. COORDINATE WITH ROOFING CONTRACTOR FOR PATCHING OF ROOF.
24. CONTRACTOR SHALL RELOCATE EXISTING ROOF DRAIN PIPING AS REQUIRED ON FIRST FLOOR AND BASEMENT LEVEL TO ACCOMMODATE NEW ARCHITECTURAL LAYOUT OF THE FIRST FLOOR.

EXISTING EQUIPMENT TO BE RELOCATED

ITEM NO	QTY	DESCRIPTION	EQUIPMENT REMARKS
E13	1	S/S WORKTABLE W/ UNDERSHELF & SINK	EXISTING TO BE RELOCATED
E25	1	ELECTRIC KETTLE	EXISTING TO BE RELOCATED
E26	1	TILT SKILLET	EXISTING TO BE RELOCATED
E72	2	WATER FILTER SYSTEM	EXISTING TO BE RELOCATED
E74	1	TEA URN	EXISTING TO BE RELOCATED
E75	1	CAPPUCCINO DISPENSER	EXISTING TO BE RELOCATED
E76	1	SODA DISPENSER	EXISTING TO BE RELOCATED
E77	1	BEVERAGE DISPENSER	EXISTING TO BE RELOCATED
E78	2	COFFEE GRINDER DISPENSER	EXISTING TO BE RELOCATED
E79	1	HOT WATER DISPENSER	EXISTING TO BE RELOCATED
E80	1	MILK DISPENSER	EXISTING TO BE RELOCATED
E81	1	THERMAL COFFEE BREWER, DOUBLE	EXISTING TO BE RELOCATED
E91	1	OVEN, ELECTRIC	EXISTING TO BE RELOCATED

EXISTING FIXTURES AND EQUIPMENT TO BE DEMOLISHED

ITEM NO	QTY	DESCRIPTION	EQUIPMENT REMARKS
E01	1	HAND SINK	EXISTING TO BE DEMOLISHED
E04	1	FIRE SUPPRESSION SYSTEM	EXISTING TO BE DEMOLISHED
E07	1	S/S WORKTABLE W/ UNDERSHELF	EXISTING TO BE DEMOLISHED
E08	1	GRIDDLE RANGE	EXISTING TO BE DEMOLISHED
E09	1	36" RANGE – FRENCH PLATE – STANDARD OVEN	EXISTING TO BE DEMOLISHED
E10	1	CONVECTION OVEN – ELECTRIC – SINGLE DECK	EXISTING TO BE DEMOLISHED
E19	1	FAUCET, WALL MOUNT	EXISTING TO BE DEMOLISHED
E19	1	SINK, 2-COMPARTMENT	EXISTING TO BE DEMOLISHED
E22	1	3-COMPARTMENT SINK	EXISTING TO BE DEMOLISHED
E24	1	EXHAUST HOOD	EXISTING TO BE DEMOLISHED
E27	1	ELECTRIC CONVECTION OVEN	EXISTING TO BE DEMOLISHED
E32	1	S/S WORKTABLE W/ UNDERSHELF & SINK	EXISTING TO BE DEMOLISHED
E34	1	ICE BIN	EXISTING TO BE DEMOLISHED
E59	1	HAND SINK	EXISTING TO BE DEMOLISHED
E60	2	HOT AND COLD PAN WARMERS	EXISTING TO BE DEMOLISHED
E67	1	COLD PAN	EXISTING TO BE DEMOLISHED
E67	1	COLD PAN, REFRIGERATED 9-3/4" FULL DEPTH SELF-CONTAINED	EXISTING TO BE DEMOLISHED
E76	1	PEPSI SODA DISPENSER	EXISTING TO BE DEMOLISHED

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

CLIENT:
chartwells
where hungry minds gather
www.chartwellshighered.com

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

CONSULTANT:
INNOVATIVE ENGINEERING SERVICES, LLC
IES INTEGRATED ENGINEERING + DESIGN FIRM
53 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
2	04/12/2018	ADDENDUM #2

SEAL:

ISSUED FOR: BID

ISSUED DATE: 02.16.2018

DRAWN BY: IES

CHECKED BY: IES

PROJECT NUMBER: **1416244**

Copyright (c) by Phase Zero Design Corp. All Rights Reserved.

DRAWING NAME:

FIRST FLOOR PLUMBING DEMOLITION PLAN

DRAWING NO.

DP101

G:\IES Projects\2017 Projects\Team PJP\17163 SUNY Purchase The Hub\Contract Documents\17163-DP101.dwg Plotted by ptorello on Apr 12, 2018 - 3:10pm

SECTION 087100 - DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes the following:

1. Commercial door hardware for the following:

   a. Swinging doors.
   b. Other doors to the extent indicated.

2. Cylinders for doors specified in other Sections.
3. Electrified door hardware.

B. Related Sections include the following:

1. Division 08 Section "Hollow Metal Doors and Frames" for astragals provided as part of fire-rated labeled assemblies.
2. Division 08 Section "Access Doors and Frames" for access door hardware, except cylinders.
3. Division 08 Section "Aluminum-Framed Entrances and Storefronts" for entrance door hardware to the extent not specified in this section.
4. Division 26 Sections for connections to electrical power system and for low-voltage wiring work.
5. Division 28 Section "Access Control" for access control devices installed at door openings and provided as part of a security access system.
6. Division 28 Section "Intrusion Detection" for detection devices installed at door openings and provided as part of an intrusion detection system.
7. Division 28 Section "Fire Detection and Alarm" for connections to building fire alarm system.

1.3 SUBMITTALS

A. Product Data: Include construction and installation details, material descriptions, dimensions of individual components and profiles, and finishes.

B. Shop Drawings: Details of electrified door hardware, indicating the following:

1. Wiring Diagrams: Power, signal, and control wiring. Include the following:

   a. System schematic.
   b. Point-to-point wiring diagram.
   c. Riser diagram.
   d. Elevation of each door.

2. Detail interface between electrified door hardware and fire alarm, access control, and/or security systems. Coordinate installation details for electrified door hardware with approved shop drawings for these systems.
3. Operation Narrative: Describe the operation of doors controlled by electrified door hardware.

C. Samples for Verification: For exposed door hardware of each type, in specified finish, full size. Tag with full description for coordination with the door hardware sets. Submit Samples before, or concurrent with, submission of the final door hardware sets.

1. Samples will be returned to Contractor. Units that are acceptable and remain undamaged through submittal, review, and field comparison process may, after final check of operation, be incorporated into the Work, within limitations of keying requirements.

D. Product Certificates: For electrified door hardware, signed by product manufacturer.

1. Certify that door hardware approved for use on types and sizes of labeled fire doors complies with listed fire door assemblies.

E. Qualification Data: For Architectural Hardware Consultant.

F. Product Test Reports: Based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified testing agency, for locks, latches, delayed-egress locks, and closers.

G. Maintenance Data: For each type of door hardware to include in maintenance manuals. Include the following:

1. Final hardware schedule, as-built.
2. Keying schedule.
3. Product cut sheets for each item installed.
4. Parts list and numbers for each item installed.
5. Maintenance information for each item installed.
6. Name, address and phone number of local representative of each item installed.

H. Warranty: Special warranty specified in this Section.

I. Other Action Submittals:

1. Door Hardware Sets: Prepared by or under the supervision of the Architectural Hardware Consultant, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final door hardware sets with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

a. Format: Use same scheduling sequence and format and use same door numbers as in the Contract Documents.
b. Content: Include the following information:

1) Identification number, location, hand, fire rating, and material of each door and frame.
2) Type, style, function, size, quantity, and finish of each door hardware item. Include description and function of each lockset and exit device.
3) Complete designations of every item required for each door or opening including name and manufacturer.
4) Fastenings and other pertinent information.
5) Location of each door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.

6) Explanation of abbreviations, symbols, and codes contained in schedule.
7) Mounting locations for door hardware.
8) Door and frame sizes and materials.
9) Description of each electrified door hardware function, including location, sequence of operation, and interface with other building control systems.

a) Sequence of Operation: Include description of component functions that occur in the following situations: authorized person wants to enter; authorized person wants to exit; unauthorized person wants to enter; unauthorized person wants to exit.

10) List of related door devices specified in other Sections for each door and frame.
11) Name, address and phone number of local representative of each item installed.

c. Submittal Sequence: Submit the final door hardware sets at earliest possible date, particularly where approval of the door hardware sets must precede fabrication of other work that is critical in Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the door hardware sets.

2. Keying Schedule: Prepared by or under the supervision of Architectural Hardware Consultant and following Keying Conference, detailing Owner's final keying instructions for locks. Include schematic keying diagram and index each key set to unique door designations.

1.4 QUALITY ASSURANCE

A. Comply with State University Construction Fund for door hardware requirements in addition to those specified herein.

B. Installer Qualifications: An employer of workers trained and approved by lock manufacturer.

1. Installer's responsibilities include supplying and installing door hardware, and providing a qualified Architectural Hardware Consultant available during the course of the Work to consult with Contractor, Architect, and Owner about door hardware and keying.
2. Installer shall have warehousing facilities in Project's vicinity.
3. Scheduling Responsibility: Preparation of door hardware and keying schedules.
4. Engineering Responsibility: Preparation of data for electrified door hardware, including Shop Drawings, based on testing and engineering analysis of manufacturer's standard units in assemblies similar to those indicated for this Project.

C. Architectural Hardware Consultant Qualifications: A person who is currently certified by DHI as an Architectural Hardware Consultant and who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project.

1. Electrified Door Hardware Consultant Qualifications: A qualified Architectural Hardware Consultant who is experienced in providing consulting services for electrified door hardware installations.

D. Source Limitations: Obtain each type and variety of door hardware from a single manufacturer, unless otherwise indicated.

1. Provide electrified door hardware from same manufacturer as mechanical door hardware, unless otherwise indicated. Manufacturers that perform electrical modifications and that are listed by a testing and inspecting agency acceptable to authorities having jurisdiction are acceptable.

E. Fire-Rated Door Assemblies: Where fire-rated door assemblies are indicated, provide door hardware rated for use in assemblies complying with NFPA 80 that are listed and labeled by a qualified testing agency, for fire-protection ratings indicated, based on testing at positive pressure according to NFPA 252 or UL 10C, unless otherwise indicated.

F. Electrified Door Hardware: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction.

G. Regulatory Requirements: Comply with applicable provisions in ICC/ANSI A117.1 and 2010 ADA Standards.

1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf.
2. Comply with the following maximum opening-force requirements:

   a. Interior, Non-Fire-Rated Hinged Doors: 5 lbf applied perpendicular to door.
   b. Fire Doors: Minimum opening force allowable by authorities having jurisdiction.

3. Bevel raised thresholds with a slope of not more than 1:2. Provide thresholds not more than 1/2 inch high.
4. Adjust door closer sweep periods so that, from an open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 inches from the latch, measured to the leading edge of the door.

H. Keying Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination." In addition to Owner, Owner’s Representative, Contractor, and Architect, conference participants shall also include Installer's Architectural Hardware Consultant and Owner's security consultant. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including, but not limited to, the following:

1. Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
2. Preliminary key system schematic diagram.
3. Requirements for key control system.
4. Address for delivery of keys.

I. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination." In addition to Owner, Owner’s Representative, Contractor, and Architect, a representative of each major hardware category shall be present to instruct installers on the proper installation and adjustment of door hardware. Review methods and procedures related to installation of door hardware including, but not limited to, the following:

1. Inspect and discuss electrical roughing-in and other preparatory work performed by other trades.
2. Review sequence of operation for each type of electrified door hardware.
3. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
4. Review required testing, inspecting, and certifying procedures.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up for door hardware delivered to Project site.

B. Tag each item or package separately with identification related to the final door hardware sets, and include basic installation instructions, templates, and necessary fasteners with each item or package.

1. Each item to be individually packaged in manufacturer's original container.

C. Deliver keys to manufacturer of key control system for subsequent delivery to Owner.

1.6 COORDINATION

A. Templates: Distribute door hardware templates for doors, frames, and other work specified to be factory prepared for installing door hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

B. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.

C. Electrical System Roughing-in: Coordinate layout and installation of electrified door hardware with connections to power supplies, fire alarm system and detection devices, access control system, and/or security systems.

D. Existing Openings: Where new hardware components are scheduled for application to existing construction or where modifications to existing door hardware are required, field verify existing conditions and coordinate installation of door hardware to suit opening conditions and to provide for proper operation.

1.7 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:

a. Structural failures including excessive deflection, cracking, or breakage.
b. Faulty operation of operators and door hardware.
c. Deterioration of metals, metal finishes, and other materials beyond normal weathering and use.

2. Warranty Period: One year from date of Substantial Completion, except as follows:

a. Exit Devices: Three years from date of Substantial Completion.
b. Manual Closers: 10 years from date of Substantial Completion.
c. Hinges: Lifetime.

1.8 MAINTENANCE SERVICE

A. Maintenance Tools and Instructions: Furnish two complete sets of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware. Furnish two extra fasteners of each type and finish installed.

B. Maintenance Service: Beginning at Substantial Completion, provide six months' full maintenance by skilled employees of door hardware Installer. Include quarterly preventive maintenance, repair or

replacement of worn or defective components, lubrication, cleaning, and adjusting as required for proper door hardware operation. Provide parts and supplies same as those used in the manufacture and installation of original products.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

A. General: Provide door hardware for each door to comply with requirements in this Section **and door hardware schedule indicated on the drawings.**

1. Door Hardware Sets: Provide quantity, item, size, finish or color indicated.
2. Sequence of Operation: Provide electrified door hardware function, sequence of operation, and interface with other building control systems indicated.

B. Designations: Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of door hardware are indicated in Part 3 "Door Hardware Sets" Article. Products are identified by descriptive titles corresponding to requirements specified in Part 2.

C. In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:

1. Manufacturers: Subject to compliance with requirements, provide products by the manufacturers specified.

2.2 HINGES

A. Hinges: BHMA A156.1. Provide template-produced hinges for hinges installed on hollow-metal frames.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

   a. Hager Companies.
   b. McKinney Products Company; an ASSA ABLOY Group company.
   c. Stanley Commercial Hardware.

2. Mounting: Full mortise (butts).
3. Bearing Material: Ball bearing.
4. Grade: Grade 1 (heavy weight).
5. Base and Pin Metal:

   a. Exterior Hinges: Stainless steel with stainless-steel pin.
   b. Interior Hinges: Steel with steel pin**.**
   c. Hinges for Fire-Rated Assemblies: Steel with steel pin.

6. Pins: Non-rising loose, unless otherwise indicated.

   a. Outswinging Exterior Doors: Nonremovable.
   b. Outswinging Corridor Doors with Locks: Nonremovable.

7. Tips: Flat button.

8. Corners: Square.
9. Electric Feature: Concealed electric through wires with monitor where indicated within Door Schedule.

B. Quantity: Provide the following, unless otherwise indicated:

1. Three Hinges: For doors with heights 61 to 90 inches.
2. Four Hinges: For doors with heights 91 to 120 inches.
3. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.

C. Fasteners: Comply with the following:

1. Machine Screws: For metal doors and frames. Install into drilled and tapped holes.
2. Wood Screws: For wood doors and frames.
3. Threaded-to-the-Head Wood Screws: For fire-rated wood doors.
4. Screws: Phillips flat-head. Finish screw heads to match surface of hinges.

2.3 CONTINUOUS HINGES

A. Provide continuous hinges at all exterior doors.

B. Continuous, Gear-Type Hinges: Extruded-aluminum, pinless, geared hinge leaves; joined by a continuous extruded-aluminum channel cap; with concealed, self-lubricating thrust bearings.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. Bommer Industries, Inc.
b. Hager Companies; Hager-Roton.
c. McKinney Products Company; an ASSA ABLOY Group company.
d. Pemko Manufacturing Co.

2. Grade: Grade 1-150.
3. Mounting: Full surface, with removable continuous caps over fasteners.
4. Electric Option: Coordinate with security requirements.
5. Electric Feature: Concealed electric through wires with monitor where indicated within Door Schedule.

2.4 MECHANICAL LOCKS AND LATCHES

A. Mortise Locks: Stamped steel case with steel or brass parts; BHMA A156.13, Grade 1, Series 1000, heavy-duty.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. Best Access Systems, Div. of The Stanley Works; Series 45H.
b. Corbin Russwin Architectural Hardware, an ASSA ABLOY Group company; Series ML2000.
c. SARGENT Manufacturing Company, an ASSA ABLOY Group company; Series 8200.

d. Schlage Commercial Lock Division, an Allegion Company; Series L.

B. Lock Functions: As indicated in door hardware schedule.

C. Lock Throw: Comply with testing requirements for length of bolts required for labeled fire doors, and as follows:

1. Mortise Locks: Minimum 3/4-inch latchbolt throw.

D. Lock Backset: 2-3/4 inches.

E. Lock Trim:

1. Levers: Solid brass, bronze or stainless steel; cast or forged and through-bolted with a 2-piece spindle.

a. Provide tactile warning at hazardous locations.

2. Escutcheons (Roses): Wrought.
3. Dummy Trim: Match lever lock trim and escutcheons.
4. Lockset Designs: Provide design indicated or, if sets are provided by another manufacturer, provide designs that match those designated.

F. Strikes: Manufacturer's standard strike with strike box for each latchbolt or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, and as follows:

1. Strikes for Mortise Locks and Latches: BHMA A156.13.
2. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
3. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
4. Aluminum-Frame Strike Box: Manufacturer's special strike box fabricated for aluminum framing.
5. Rabbet Front and Strike: Provide on locksets for rabbeted meeting stiles.

G. Electrified Mortice Lock Set (as scheduled): Types and functions indicated as follows:

1. Request-for-Exit Function: Signal initiated when push bar is actuated.
2. Electric Latch Retraction: Remote signal activates continuous-duty solenoid that retracts latch.
3. Power supplies: Furnished by Door Hardware supplier; installed by the Security Contractor.
4. Harness connector per Security Contractors requirements.
5. Configured for fail secure operation.

2.5 AUTOMATIC AND SELF-LATCHING FLUSH BOLTS

A. Automatic and Self-Latching Flush Bolts: BHMA A156.16; minimum 3/4-inch throw; designed for mortising into door edge.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. Glynn-Johnson.
b. Hager Companies.
c. IVES Hardware.

d. Trimco.

B. Automatic Flush Bolts: Grade 1, fabricated from steel and brass components, with spring-activated bolts that automatically retract when active leaf is opened and that automatically engage when active door depresses bolt trigger; listed and labeled for fire-rated doors. Provide brass or stainless-steel cover plate, top and bottom dustproof strikes, guides, guide supports, wear plates, and shims.

C. Dustproof Strikes: Locking type, Grade 1, polished wrought brass, with 3/4-inch- diameter, spring-tension plunger.

2.6 EXIT DEVICES AND AUXILIARY ITEMS

A. Exit Devices and Auxiliary Items: BHMA A156.3.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. Corbin Russwin Architectural Hardware; an ASSA ABLOY Group company; 5000 Series.
b. Precision Hardware, Inc.; 1100/D-1200 Series.
c. SARGENT Manufacturing Company; an ASSA ABLOY Group company; 80 Series.
d. Von Duprin; an Allegion Company; 98/99 Series.

B. Panic Exit Devices: Listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for panic protection, based on testing according to UL 305.

C. Fire Exit Devices: Devices complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire and panic protection, based on testing according to UL 305 and NFPA 252.

D. Fire-Exit Removable Mullions: Provide removable mullions for use with fire exit devices complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire and panic protection, based on testing according to UL 305 and NFPA 252. Mullions shall be used only with exit devices for which they have been tested.

E. Outside Trim: Lever with cylinder; material, design and finish to match locksets, unless otherwise indicated.

1. Provide forged or cast escutcheon plates.
2. Provide knurled outside lever where scheduled.

F. Provide the following types of exit devices as scheduled:

1. Rim Exit Devices:

a. Type: BHMA A156.3, Type 1, rim.
b. Actuating Bar: Push pad.
c. Material: Brass, Bronze, Stainless steel or Aluminum.

2. Push Pad: Extend push pad a minimum of one-half of the door width. Provide flush mounted end cap with two-point attachment to the door.
3. Provide the following for each device:

a. Nylon bearings and stainless steel springs.
b. Security dead latching feature.

c. Spacers as required for flush mounting of mechanism case.
d. Glass bead kits for mounting of hardware on glass doors.

4. Provide all non-fire-rated exit devices with cylinder dogging, except at locations indicated with electric latch retraction or request-for-exit function.

G. Electrified Exit Device Options (as scheduled): Types and functions indicated as follows:

1. Request-for-Exit Function: Signal initiated when push bar is actuated.
2. Electric Latch Retraction: Remote signal activates continuous-duty solenoid that retracts latch.
3. Power supplies: Furnished by Door Hardware supplier; installed by the Security Contractor.
4. Harness connector per Security Contractors requirements.
5. Configured for fail secure operation.

2.7 LOCK CYLINDERS

A. Lock Cylinders: Tumbler type, constructed from brass or bronze, stainless steel, or nickel silver.

1. All locksets and cylinders shall be keyed into the existing Campus Master Key System for this project. Allow for 100% expansion. For the protection of the Campus, all cylinders shall be keyed at the factory where permanent records shall be established and maintained.

B. Cylinders: BHMA A156.5, Grade 1, manufacturer's standard tumbler type, constructed from brass, or bronze, stainless steel, or nickel silver, complying with the following:

1. Number of Pins: Seven (7).
2. Bored-Lock Type: Cylinders with tailpieces to suit locks.

a. High-Security Grade: BHMA A156.5, Grade 1A, listed and labeled as complying with pick- and drill-resistant testing requirements in UL-437 (SuffixA).

3. Proprietary product to match Campus standard as follows:

a. Best Access Systems; Premium Series. (no substitution).

C. Construction Keying: During construction, all new locksets shall be construction master keyed. Provide temporary construction cores. The Contractor shall receive ten (10) construction master keys. Under no circumstance shall the Contractor receive any permanent building master keys or change keys unless authorized by the Campus Representative.

1. All construction cores will be returned to General Contractor once Campus has received and installed final cores.

D. Permanent Cores: All permanent cores and keys shall be requested directly by the Campus to the manufacturer. The Contractor shall be responsible for all payments to the manufacturer and shall supply the Campus with all necessary information (account number, etc.), in order for the Campus to order final cores and keys.

2.8 KEYING

A. Keying System: Factory registered, complying with guidelines in BHMA A156.28, Appendix A. Incorporate decisions made in keying conference, and as follows:

1. Master Key System: Cylinders are operated by a change key and a master key.
2. Existing System: Re-key Campus' existing master key system into new keying system.
3. Keyed Alike: Key all cylinders to same change key.
4. All master keys shall be identified with a registry number, and shall **not** be stamped with MASTER or letter M.

B. Keys: Nickel silver.

1. Quantity: In addition to two extra key blanks for each lock, provide the following:

a. Cylinder Change Keys: Three.
b. Master Keys: Two.

2. All keying shall be thoroughly checked with the Campus Representative. Final keying requirements shall be submitted in writing, for final approval by the Campus Representative.

2.9 OPERATING TRIM

A. Operating Trim: BHMA A156.6; stainless steel.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. Burns Manufacturing Incorporated.
b. Hager Companies.
c. IVES Hardware; an Ingersoll-Rand Company.
d. Rockwood Manufacturing Company.
e. Trimco.

B. Flat Push Plates: 0.050 inch thick, 4 inches wide by 16 inches high; with square corners and beveled edges, secured with exposed screws.

C. Straight Pull-Plate Door Pulls: 0.050-inch- thick plate, 4 inches wide by 16 inches high, with square corners and beveled edges; with minimum clearance of 1-1/2 inches from face of door; fastened at 8 inches o.c.

1. Type: 3/4-inch constant-diameter pull.
2. Mounting: Surface applied with concealed fasteners.
3. Overall Pull Length: 9 inches.

2.10 ACCESSORIES FOR PAIRS OF DOORS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Hager Companies.
2. National Guard Products.
3. Pemko Manufacturing Co.

4. Reese Enterprises.

B. Coordinators: BHMA A156.3; consisting of active-leaf, hold-open lever and inactive-leaf release trigger; fabricated from steel with nylon-coated strike plates; with built-in, adjustable safety release; and with internal override.

C. Flat Overlapping Astragals: BHMA A156.22; flat zinc-plated steel metal bar, surface mounted on face of door with screws; minimum 1/8 inch thick by 2 inches wide by full height of door.

2.11 SURFACE CLOSERS

A. Surface Closers: BHMA A156.4; rack-and-pinion hydraulic type with adjustable sweep and latch speeds controlled by key-operated valves and forged-steel main arm. Comply with manufacturer's written recommendations for size of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Provide factory-sized closers, adjustable to meet field conditions and requirements for opening force.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. LCN Closers; an Allegion Company; 4000 Series.
b. Norton Door Controls; an ASSA ABLOY Group company; PR7500/PR7700.
c. SARGENT Manufacturing Company; an ASSA ABLOY Group company; 351 Series.

B. Surface Closer with Cover: Grade 1; Modern Type with mechanism enclosed in cover.

1. Mounting: Parallel arm, unless otherwise indicated.
2. Type: Regular arm, heavy-duty.

a. Provide delayed action closing where indicated.

3. Backcheck: Adjustable, effective between 60 and 85 degrees of door opening.

a. Where indicated, closer must operate at 180 degree opening.

4. Provide all drop plate brackets, shims and angle brackets as required to complete installation of closers on doors and frames.

2.12 MECHANICAL STOPS AND HOLDERS

A. Wall- and Floor-Mounted Stops: BHMA A156.16; polished cast brass, bronze, or aluminum base metal.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. Burns Manufacturing Incorporated.
b. Glynn-Johnson.
c. Hager Companies.
d. IVES Hardware.
e. Rockwood Manufacturing Company.
f. Trimco.

2. Provide wall stops for doors unless floor or other type stops are scheduled or indicated. Do not mount floor stops where they will impede traffic. Where floor or wall stops are not appropriate, provide overhead holders.

B. Wall Bumpers: Grade 1; with rubber bumper; 2-1/2-inch diameter, minimum 3/4-inch projection from wall; with backplate for concealed fastener installation; with concave bumper configuration.

C. Dome-Type Floor Stop: Grade 1; with minimum 1-inch- high bumper for doors without threshold and 1-3/8-inch- high bumper for doors with threshold; provide with extruded aluminum riser for carpet installations.

2.13 OVERHEAD STOPS AND HOLDERS

A. Overhead Stops and Holders: BHMA A156.8.

2.14 DOOR GASKETING

A. Door Gasketing: BHMA A156.22; air leakage not to exceed 0.50 cfm per foot of crack length for gasketing other than for smoke control, as tested according to ASTM E 283; with resilient or flexible seal strips that are easily replaceable and readily available from stocks maintained by manufacturer.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. Hager Companies.
b. National Guard Products.
c. Pemko Manufacturing Co.
d. Reese Enterprises.

2.15 THRESHOLDS

A. Thresholds: BHMA A156.21; fabricated to full width of opening indicated.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. Hager Companies.
b. National Guard Products.
c. Pemko Manufacturing Co.
d. Reese Enterprises.

B. Saddle Thresholds:

1. Type: Fluted top.
2. Base Metal: Aluminum.

2.16 METAL PROTECTIVE TRIM UNITS

A. Metal Protective Trim Units: BHMA A156.6; fabricated from 0.050-inch- thick stainless steel; with manufacturer's standard machine or self-tapping screw fasteners.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

   a. Burns Manufacturing Incorporated.
   b. Hager Companies.
   c. IVES Hardware; an Ingersoll-Rand Company.
   d. Rockwood Manufacturing Company.
   e. Trimco.

B. Armor Plates: 36 inches high by door width, with allowance for frame stops.

C. Kick Plates: 12 inches high by door width, with allowance for frame stops.

D. Mop Plates: 6 inches high by 1 inch less than door width.

2.17 AUXILIARY DOOR HARDWARE

A. Silencers for Metal Door Frames: Grade 1; neoprene or rubber; minimum diameter 1/2 inch; fabricated for drilled-in application to frame.

2.18 AUXILIARY ELECTRIFIED DOOR HARDWARE

A. Boxed Power Supplies: Modular unit in NEMA ICS 6, Type 4 enclosure; filtered and regulated; voltage rating and type matching requirements of door hardware served; and listed and labeled for use with fire alarm systems.

B. Door and Frame Transfer Devices: Steel housing for mortise in hinge stile of door, with flexible tube for wiring bundle; accommodating doors that swing open to 120 degrees.

2.19 FABRICATION

A. Manufacturer's Nameplate: Do not provide products that have manufacturer's name or trade name displayed in a visible location except in conjunction with required fire-rated labels and as otherwise approved by Architect.

   1. Manufacturer's identification is permitted on rim of lock cylinders only.

B. Base Metals: Produce door hardware units of base metal, fabricated by forming method indicated, using manufacturer's standard metal alloy, composition, temper, and hardness. Furnish metals of a quality equal to or greater than that of specified door hardware units and BHMA A156.18. Do not furnish manufacturer's standard materials or forming methods if different from specified standard.

C. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to commercially recognized industry standards for application intended, except aluminum fasteners are not permitted. Provide Phillips flat-head screws with finished heads to match surface of door hardware, unless otherwise indicated.

   1. Concealed Fasteners: For door hardware units that are exposed when door is closed, except for units already specified with concealed fasteners. Do not use through bolts for installation where

bolt head or nut on opposite face is exposed unless it is the only means of securely attaching the door hardware. Where through bolts are used on hollow door and frame construction, provide sleeves for each through bolt.

2. Fire-Rated Applications:

   a. Wood or Machine Screws: For the following:

      1) Hinges mortised to doors or frames; use threaded-to-the-head wood screws for wood doors and frames.
      2) Strike plates to frames.
      3) Closers to doors and frames.

   b. Steel Through Bolts: For the following unless door blocking is provided:

      1) Surface hinges to doors.
      2) Closers to doors and frames.
      3) Surface-mounted exit devices.

3. Spacers or Sex Bolts: For through bolting of hollow-metal doors.
4. Fasteners for Wood Doors: Comply with requirements in DHI WDHS.2, "Recommended Fasteners for Wood Doors."
5. Gasketing Fasteners: Provide noncorrosive fasteners for exterior applications and elsewhere as indicated.

2.20 FINISHES

A. Standard: BHMA A156.18, as indicated in door hardware sets.

B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

C. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.

B. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Steel Doors and Frames: For surface applied door hardware, drill and tap doors and frames according to ANSI/SDI A250.6.

B. Wood Doors: Comply with DHI WDHS.5 "Recommended Hardware Reinforcement Locations for Mineral Core Wood Flush Doors."

3.3 INSTALLATION

A. Mounting Heights: Mount door hardware units at heights indicated on Drawings, and in accordance with the **New York** State Building Code, the 2010 ADA Standards and ICC/ANSI A117.1.

1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
2. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."

B. Install each door hardware item to comply with manufacturer's written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 09 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.

1. Set units level, plumb, and true to line and location. Adjust and reinforce attachment substrates as necessary for proper installation and operation.
2. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

C. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than the number recommended by manufacturer for application indicated or one hinge for every 30 inches of door height, whichever is more stringent, unless other equivalent means of support for door, such as spring hinges or pivots, are provided.

D. Lock Cylinders: Install construction cores to secure building and areas during construction period.

1. Replace construction cores with permanent cores as indicated in keying schedule.
2. Furnish permanent cores to Owner for installation.

E. Boxed Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings. Verify location with Architect.

1. Configuration: Provide one power supply for each door opening.

F. Thresholds: Set thresholds for exterior doors in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."

G. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they will impede traffic.

H. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.

I. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.

J. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is closed.

3.4 FIELD QUALITY CONTROL

A. Independent Architectural Hardware Consultant: Owner will engage a qualified independent Architectural Hardware Consultant to perform inspections and to prepare inspection reports.

1. Independent Architectural Hardware Consultant will inspect door hardware and state in each report whether installed work complies with or deviates from requirements, including whether door hardware is properly installed and adjusted.

3.5 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

1. Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly engage lock bolt.
2. Door Closers: Unless otherwise required by authorities having jurisdiction, adjust sweep period so that, from an open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 inches from the latch, measured to the leading edge of the door.

B. Occupancy Adjustment: Approximately three months after date of Substantial Completion, Installer's Architectural Hardware Consultant shall examine and readjust, including adjusting operating forces, each item of door hardware as necessary to ensure function of doors, door hardware, and electrified door hardware.

3.6 CLEANING AND PROTECTION

A. Clean adjacent surfaces soiled by door hardware installation.

B. Clean operating items as necessary to restore proper function and finish.

C. Provide final protection and maintain conditions that ensure that door hardware is without damage or deterioration at time of Substantial Completion.

3.7 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain door hardware and door hardware finishes. Refer to Division 01 Section "Demonstration and Training."

END OF SECTION 087100