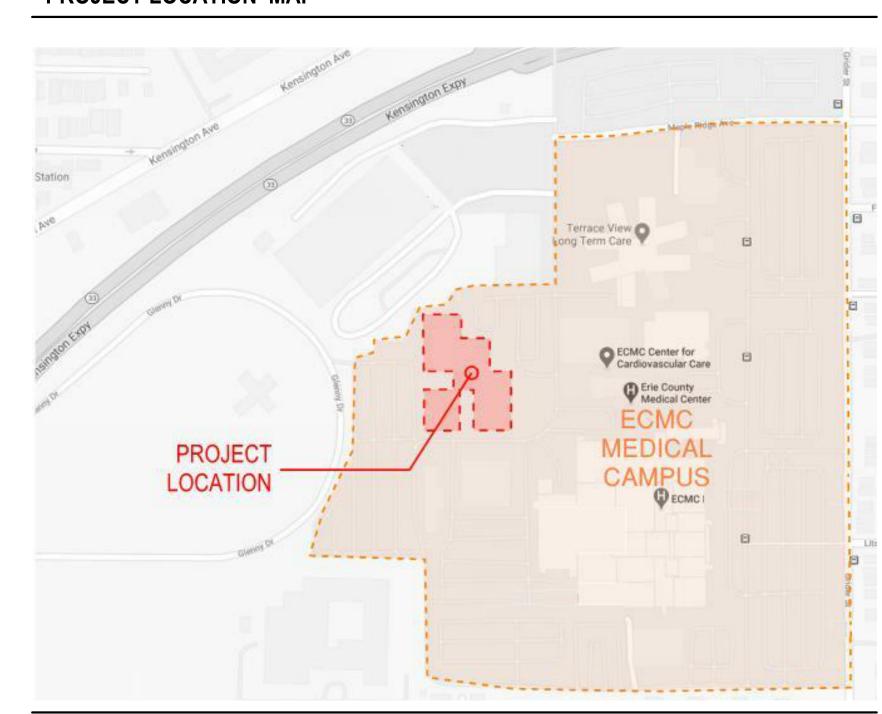


# Erie County Health Lab Building 17 Renovations- Phase 3

ERIE COUNTY HEALTH LAB 503 KENSIGNTON AVENUE BUFFALO, NY 14214

BID SET DPW PROJECT #: 2021-885-02

### PROJECT LOCATION MAP



CLIENT



ERIE COUNTY HEALTH DEPARTMENT 95 FRANKILN STREET BUFFALO, NEW YORK 14202 Phone: 716.858.7690

### CONSULTANTS

### **STRUCTURAL ENGINEER:**



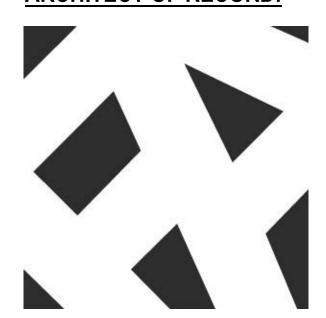
SIRACUSE ENGINEERS, PC 960 BUSTI AVE #120 BUFFALO, NEW YORK 14213 Phone: 716.856.1894

### MEP ENGINEER:



THE LiRo GROUP 690 DELAWARE AVENUE BUFFALO, NEW YORK 14209 Phone: 716.970.4124

### **ARCHITECT OF RECORD:**



FOIT-ALBERT ASSOCIATES 295 MAIN STREET, SUITE 200 BUFFALO, NEW YORK 14203 Phone: 716.856.3933



Exision Date

Revision Date

Revision Date

Project Manager:

2021-885-02

**G000** 

0 ~

HAZARDOUS MATERIALS DRAWINGS				
Sheet Number	Sheet Name	ISSUED FOR BID		
HM100	FIRST FLOOR PLAN- CC BUILDING	01/24/2023		
HM101	FIRST FLOOR PLAN- BB BUILDING	01/24/2023		
HM102	FIRST FLOOR PLAN- DD BUILDING	01/24/2023		
HM200	FLOOR PLAN- DD BUILDING	01/24/2023		

	CIVIL DRAWINGS	
SHEET NUMBER	SHEET NAME	ISSUED FOR BID
C101	SITE PLAN	01/24/2023
C201	SITE DETAILS	01/24/2023

STRUCTURAL DRAWINGS					
SHEET NUMBER SHEET NAME ISSUED FOR B					
S001	SYMBOLS, ABBREVIATIONS, GENERAL NOTES & DESIGN CRITERIA				
S002	TYPICAL DETAILS	01/24/2023			
S100	ROOF FRAMING PLAN	01/24/2023			
S101	FOUNDATION & ROOF FRAMING PLAN	01/24/2023			
S200	SECTIONS	01/24/2023			

ARCHITECTURAL DRAWINGS.				
SHEET NUMBER	SHEET NAME	ISSUED FOR BID		
A001	ARCHITECTURAL NOTES, SYMBOLS, & LEGENDS	01/24/2023		
A002	PARTITION TYPES & NOTES	01/24/2023		
A003	PARTITION DETAILS	01/24/2023		
A050	SITE PLAN	01/24/2023		

DEMOLITION DRAWINGS				
SHEET NUMBER	SHEET NAME	ISSUED FOR BID		
AD100	DEMOLITION FIRST FLOOR PLAN - CC BUILDING	01/24/2023		
AD101	DEMOLITION FIRST FLOOR PLAN - BB BUILDING	01/24/2023		
AD102	DEMOLITION FIRST FLOOR PLAN - DD BUILDING	01/24/2023		
AD105	DEMOLITION ROOF PLAN - BB BUILDING	01/24/2023		
AD106	DEMOLITION ROOF PLAN - DD BUILDING	01/24/2023		
AD121	DEMOLITION REFLECTED CEILING PLAN - BB BUILDING	01/24/2023		
AD122	DEMOLITION REFLECTED CEILING PLAN - DD BUILDING	01/24/2023		
AD200	DEMOLITION EXTERIOR ELEVATIONS	01/24/2023		

SHEET NUMBER	SHEET NAME	ISSUED FOR BID	
A100	FIRST FLOOR PLAN - CC BUILDING	01/24/2023	
A101	FIRST FLOOR PLAN - BB BUILDING	01/24/2023	
A102	FIRST FLOOR PLAN- MAIN ENTRY & DD BUILDING	01/24/2023	
A106	ROOF PLAN- BB BUILDING	01/24/2023	
A107	ROOF PLAN - DD & CC BUILDING	01/24/2023	
A108	ROOF PLAN - MAIN ENTRY & DD BUILDING	01/24/2023	
A111	FINISH PLANS - BB BUILDING	01/24/2023	
A112	FINISH PLANS - DD BUILDING	01/24/2023	
A121	REFLECTED CEILING PLAN - BB BUILDING	01/24/2023	
A122	REFLECTED CEILING PLAN - DD BUILDING	01/24/2023	
A200	EXTERIOR ELEVATIONS	01/24/2023	
A201	EXTERIOR ELEVATIONS	01/24/2023	
A400	ENLARGED PLANS- BB BUILDING	01/24/2023	
A401	ENLARGED PLANS - DD BUILDING	01/24/2023	
A402	ENLARGED PLANS & INTERIOR ELEVATIONS	01/24/2023	
A403	ENLARGED PLANS & EXTERIOR ELEVATIONS	01/24/2023	
A404	ENLARGED PLANS & INTERIOR ELEVATIONS	01/24/2023	
A450	CASEWORK AND FINISH DETAILS	01/24/2023	
A500	ROOF DETAILS	01/24/2023	
A501	WALL DETAILS	01/24/2023	
A502	WALL DETAILS	01/24/2023	
A503	ALTERNATE 1- CANOPY DETAILS	01/24/2023	
A600	DOOR SCHEDULE & DETAILS	01/24/2023	

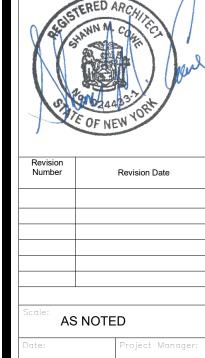
PLUMBING DRAWINGS				
SHEET NUMBER	SHEET NAME	ISSUED FOR BID		
P-001	PLUMBING NOTES, LEGENDS & SCHEDULES	01/24/2023		
P-101	PLUMBING BUILDING BB - DEMOLITION FLOOR PLAN	01/24/2023		
P-102	PLUMBING BUILDING DD - DEMOLITION FLOOR PLAN	01/24/2023		
P-103	PLUMBING BUILDING DD ROOF DEMOLITION	01/24/2023		
P-201	PLUMBING BUILDING BB - CONSTRUCTION FLOOR PLAN	01/24/2023		
P-202	PLUMBING BUILDING DD - CONSTRUCTION FLOOR PLAN	01/24/2023		
P-203	PLUMBING BUILDING DD ROOF CONSTRUCTION PLANS	01/24/2023		

MECHANICAL DRAWINGS				
SHEET NUMBER	SHEET NAME	ISSUED FOR BID		
M-001	MECHANICAL NOTES, SYMBOLS, & LEGENDS	01/24/2023		
M-101	MECHANICAL BUILDING BB OVERALL	01/24/2023		
M-102	MECHANICAL BUILDING DD DEMOLITION	01/24/2023		
M-103	MECHANICAL BUILDING DD ROOF DEMOLITION	01/24/2023		
M-201	MECHANICAL BB CONSTRUCTION PARTIAL PLANS	01/24/2023		
M-202	MECHANICAL BUILDING BB ROOF CONSTRUCTION PLANS	01/24/2023		
M-203	MECHANICAL BUILDING DD CONSTRUCTION PLANS	01/24/2023		
M-204	MECHANICAL BUILDING DD ROOF CONSTRUCTION PLANS	01/24/2023		
M-601	MECHANICAL SCHEDULES	01/24/2023		
M-801	MECHANICAL DETAILS	01/24/2023		
M-802	MECHANICAL DETAILS	01/24/2023		
M-901	MECHANICAL CONTROLS	01/24/2023		

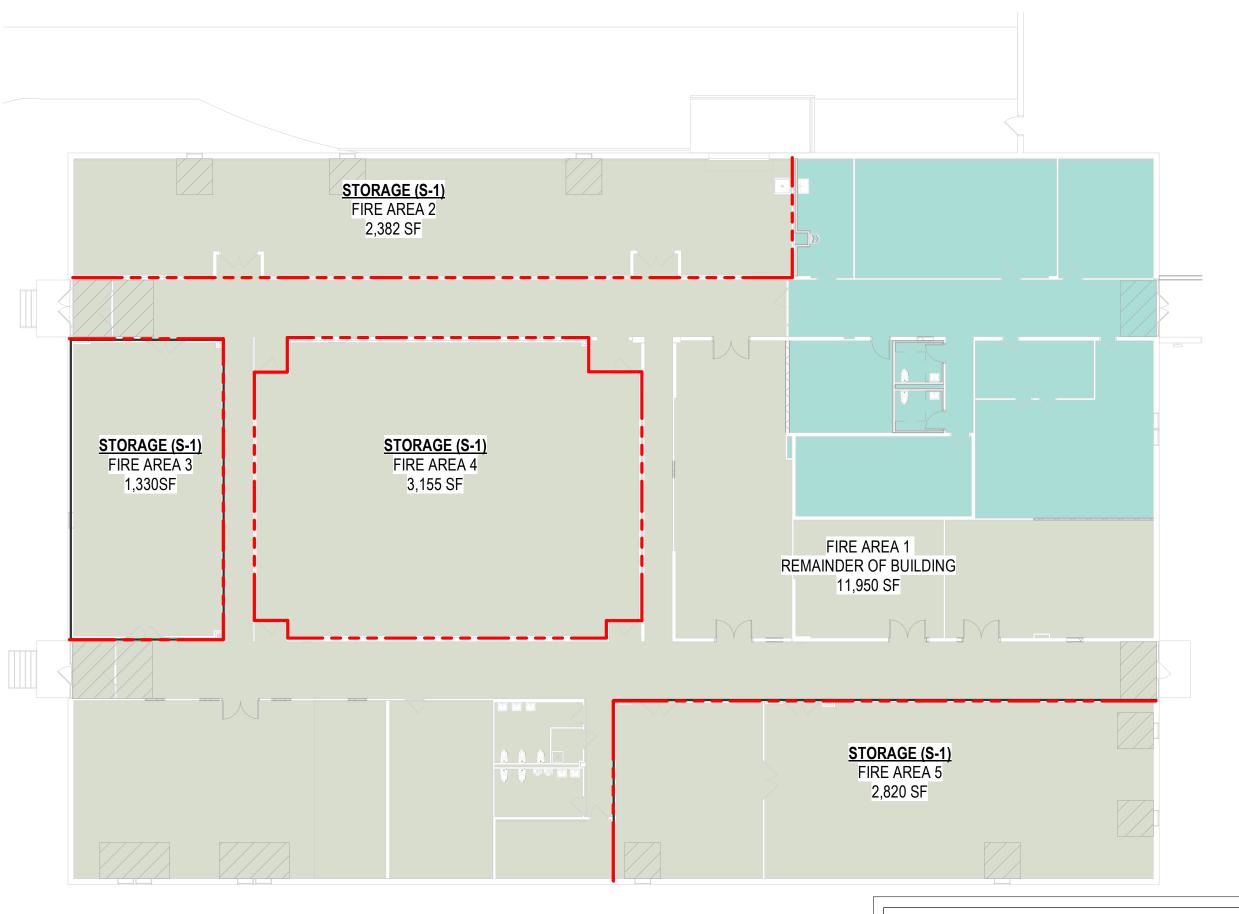
	ELECTRICAL DRAWINGS				
SHEET NUMBER	SHEET NAME	ISSUED FOR BID			
E-001	ELECTRICAL NOTES, LEGENDS AND SCHEDULES	01/24/2023			
E-101	ELECTRICAL BUILDING BB - DEMOLITION	01/24/2023			
E-102	ELECTRICAL BUILDING DD - DEMOLITION	01/24/2023			
E-201	BUILDING BB - CONSTRUCTION	01/24/2023			
E-202	BUILDING DD CONSTRUCTION	01/24/2023			
E-203	BUILDING CC - ELECTRICAL PLANS	01/24/2023			
E-301	BUILDING BB - LIGHTING PLAN	01/24/2023			
E-302	BUILDING DD - LIGHTING PLAN	01/24/2023			
E-801	ELECTRICAL DETAILS	01/24/2023			
E-302	BUILDING DD - LIGHTING PLAN	01/24/2023			



ERIE COUNTY
BLDG 17 BB CC



G001



CORRIDOR WALLS NOTES

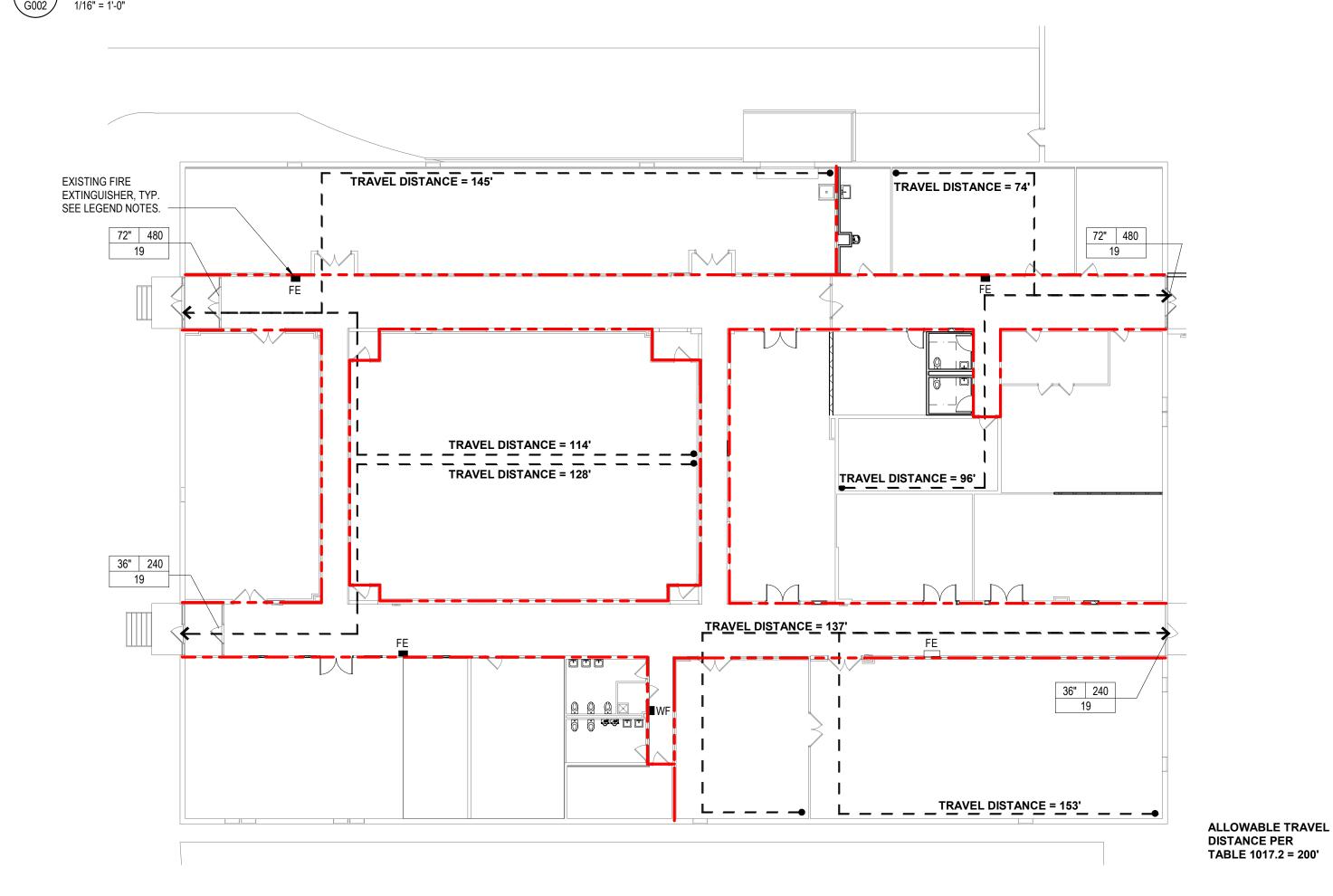
CORRIDOR WALLS TO BE RATED 1-HR PER 1/G002. RATING NOT SHOWN ON THIS DRAWING TO CLARIFY FIRE AREA

CONFIGURATION

CODE COMPLIANCE PLAN - CC - OCCUPANCY AND FIRE AREAS

**CODE COMPLIANCE PLAN - CC - EGRESS** 

G002



**CODE COMPLIANCE SYMBOL LEGEND AREA TAGS** - OCCUPANCY CALC. EGRESS CAPACITY CLASSIFICATION <u>OCCUPANCY</u> 150 SF 100 NUMBER OF PEOPLE **ACTUAL EGRESS** PER BUILDING CODE CAPACITY - AREA IN SQUARE FEET **FIRE RATED PARTITIONS** 1 HOUR FIRE RATING (CORRIDORS) 3 HOUR FIRE RATING (FIRE AREA SEPARATION) **EGRESS DISTANCE PATH** •----**>** TRAVEL DISTANCE = X FIRE EXTINGUISHERS NEW FIRE EXTINGUISHERS EXISTING FIRE EXTINGUISHERS EXIT SIGNS ILLUMINATED EXIT SIGNS (WALL OR CEILING PER PLANS) **WATER FOUNTAINS EXISTING WATER FOUNTAIN OCCUPANCIES** BUSINESS (B) STORAGE (S-1) **HATCH LEGEND** AREA OF WORK 800 SF (AREA OF WORK) / 22,200 SF (TOTAL BUILDING AREA) = 4% OF BUILDING AREA NEW WALLS. REF A-101 FOR TYPE DESIGNATION EXISTING WALLS TO REMAIN.

**BUILDING CODE** BUILDING: BUILDING CODE OF NEW YORK STATE 2020 LOCAL AMENDMENTS: FIRE CODE: FIRE CODE OF NEW YORK STATE 2020 ACCESSIBILITY: ICC/ ANSI A117.1-2017 AND BUILDING CODE OF NEW YORK STATE ENERGY: ENERGY CONSERVATION CODE OF NEW YORK STATE 2020 **X** EXISTING STRUCTURE NEW CONSTRUCTION X CHANGE OF OCCUPANCY ADDITION **X** ALTERATION REPAIR UPLIFT LEVEL 3 **BUILDING DATA** □ II-A 🔀 II-B □ III-A □ III-B CONSTRUCTION TYPE: ☐ YES MIXED CONSTRUCTION: ☐ YES ☐ NO FIRE DISTRICT: \_\_ FEET \_\_\_1\_\_ NUMBER OF STORIES BUILDING HEIGHT: ☐ UNLIMITED PER ☐ YES ☐ NO MEZZANINE: HIGH RISE: CENTRAL REFERENCE SHEET # IF PROVIDED\_

LIFE SAFETY SYSTEM REQUIREMENTS SPRINKLER SYSTEMS: □ I □ II □ III □ WET □ DRY STANDPIPE SYSTEMS: ☐ YES 🗌 YES 🔀 NO EXTINGUISHING SYSTEMS SMOKE VENTS: X NO YES FIRE EXTINGUISHERS: KITCHEN HOOD EXT: X YES NO YES X NO FIRE ALARM SYSTEMS: SUPERVISORY SERVICE: X YES EXIT SIGNS: □ NO SMOKE DETECTION: ☐ YES 🔀 NO ☐ NO **EMERGENCY LIGHTS:** HI-RISE FIRE SAFETY: X YES X YES NO **EMERGENCY POWER:** ☐ NO VISIBLE ALARMS: X YES NO SMOKE CONTROL: PANIC HARDWARE:

PLUMBING FIXTURE REQUIREMENTS FIXTURE & COUNT PROVIDED PLUMBING LOAD CALCULATIONS "OFFICE": OCCUPANT LOAD = 39 TOILETS = 1 PER 25 MEN; 1 PER 25 WOMEN = .8 M; .8 W WATERCLOSETS LAVS = 1 PER 40 = .5 EACH URINALS "STORAGE": OCCUPANT LOAD = 37 TOILETS = 1 PER 100 MEN; 1 PER 100 WOMEN = .19 M; .19 W LAVATORIES LAVS = 1 PER 100 = .19 EACH SHOWERS/ TUBS N/A N/A SERVICE SINK - 1 REQUIRED TOTALS ADDED AND DRINKING FOUNTAINS 1, ONE HIGH, ONE LOW ROUNDED UP TO THE TOTAL MEN = 1 TOILET, 1 LAV SERVICE SINK TOTAL WOMEN = 1 TOILET, 1 LAV NEAREST PERSON

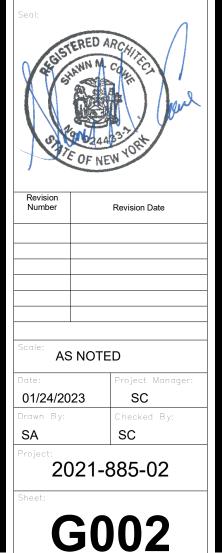
BUILDING USES						
AREA BUILDING AREA AREA/OCCUPANT OCCUPANT LOAD TABLE 1004.1.2						
STORAGE (S-1)	17,817 SF	1/500	37			
BUSINESS (B)	3,821 SF	1/100	39			
		TOTAL CAPACITY	76			

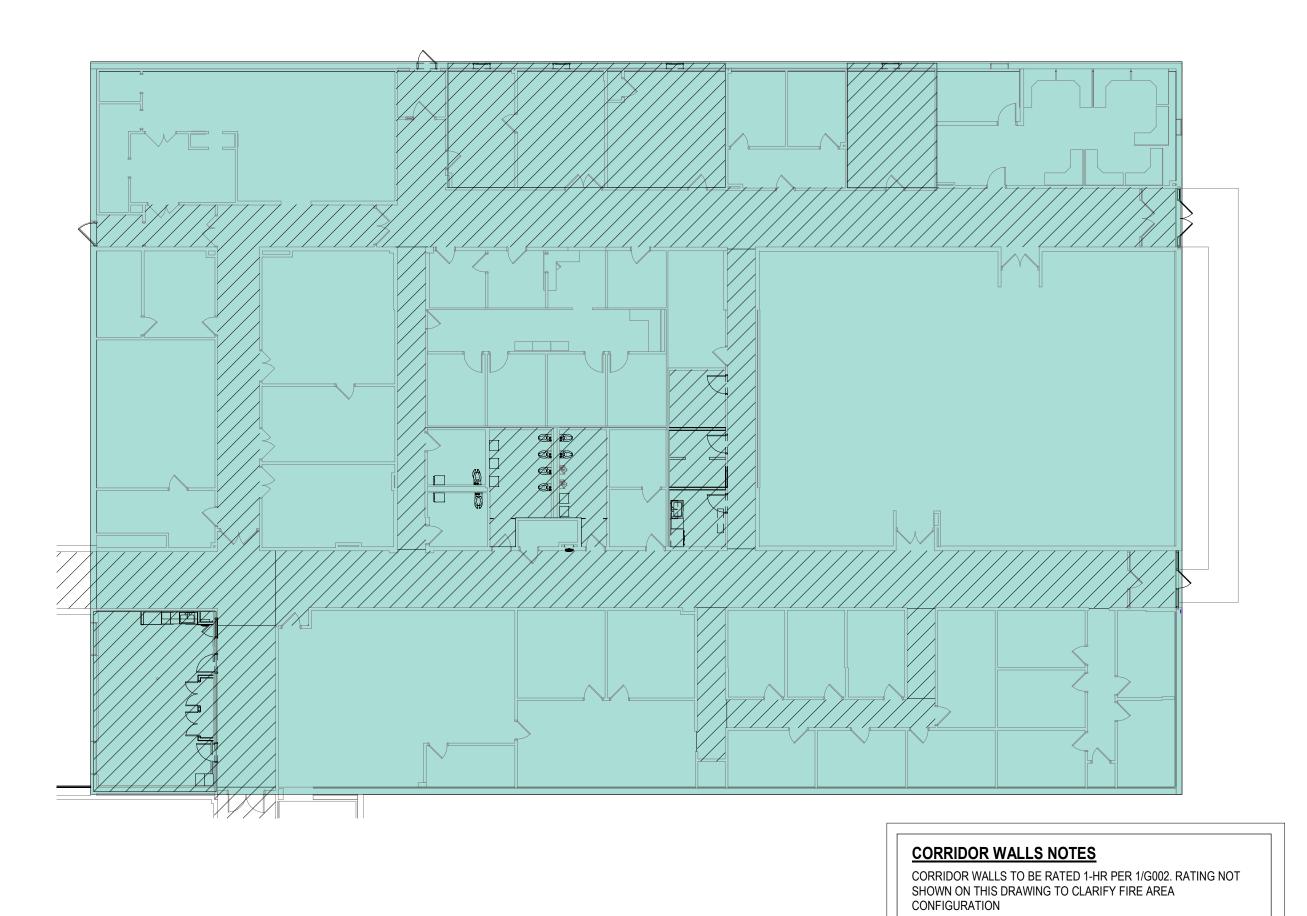
FIRE AREA SCHEDULE				
FIRE AREA	MOST RESTRICTIVE OCCUPANCY	AREA (PROVIDED)	AREA (ALLOWED PER 903.2.9)	SEPARATION REQ'D PER 707.3.10
FIRE AREA 1	S-1	11,950 SF	12,000 SF	3 HOUR
FIRE AREA 2	S-1	2,382 SF	12,000 SF	3 HOUR
FIRE AREA 3	S-1	1,330 SF	12,000 SF	3 HOUR
FIRE AREA 4	S-1	3,155 SF	12,000 SF	3 HOUR
FIRE AREA 5	S-1	2,820 SF	12,000 SF	3 HOUR

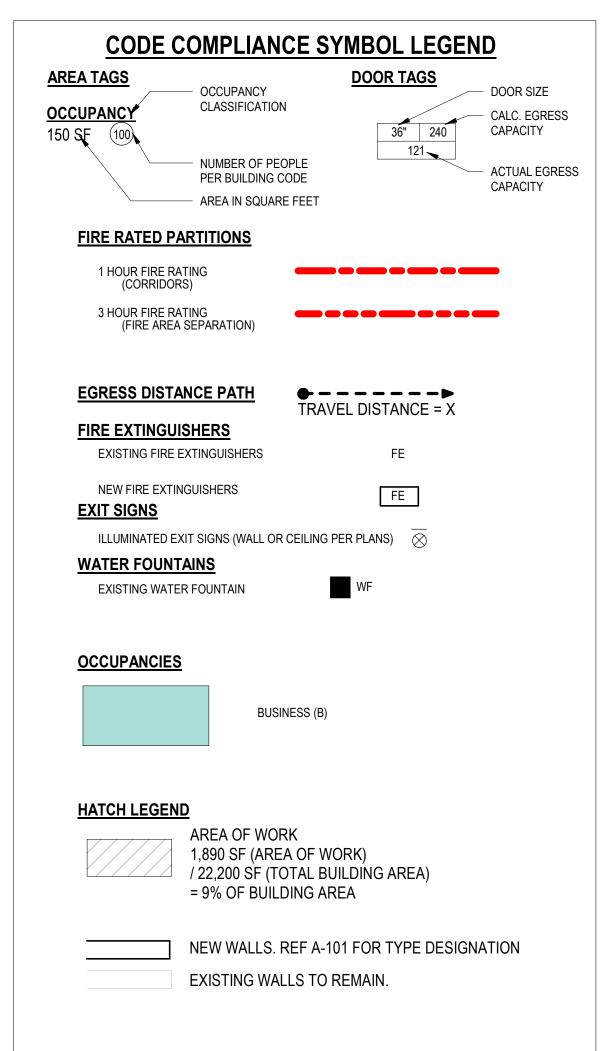
EXIT WIDTH				
AREA CLASSIFICATION	BUILDING AREA	EGRESS WIDTH PER OCCUPANT	REQUIRED WIDTH	ACTUAL WIDTH
STORAGE (S-1)	17,817 SF	37 X .2	(36")	73"
BUSINESS (B)	3821 SF	39 X .2	(36")	73"

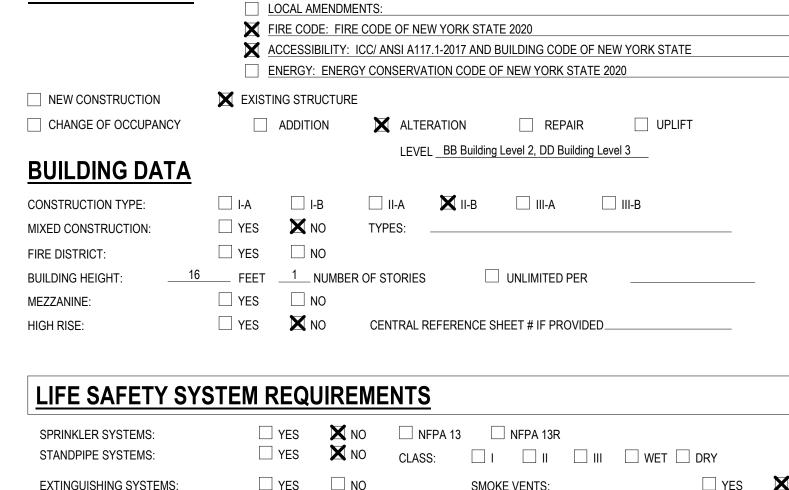


ERIE COUNTY HEALT LDG 17 BB CC RENOV









BUILDING: BUILDING CODE OF NEW YORK STATE 2020

**BUILDING CODE** 

#### **EXTINGUISHING SYSTEMS:** ☐ YES SMOKE VENTS: YES X NO X YES YES FIRE EXTINGUISHERS: KITCHEN HOOD EXT: YES FIRE ALARM SYSTEMS: SUPERVISORY SERVICE: EXIT SIGNS: SMOKE DETECTION: **EMERGENCY LIGHTS:** HI-RISE FIRE SAFETY: X YES $\square$ NO **EMERGENCY POWER:** VISIBLE ALARMS: SMOKE CONTROL: PANIC HARDWARE:

NO OCCUPANT LOAD CHANGES

	BUILDING USES				
BUILDING IDENTIFICATION	AREA CLASSIFICATION	BUILDING AREA	AREA/OCCUPANT TABLE 1004.1.2	OCCUPANT LOAD	
BUILDING BB	BUSINESS (B)	22,200 SF (UNCHANGED)	100 GROSS	222	
BUILDING DD	BUSINESS (B)	4,054 SF (UNCHANGED)	100 GROSS	41	

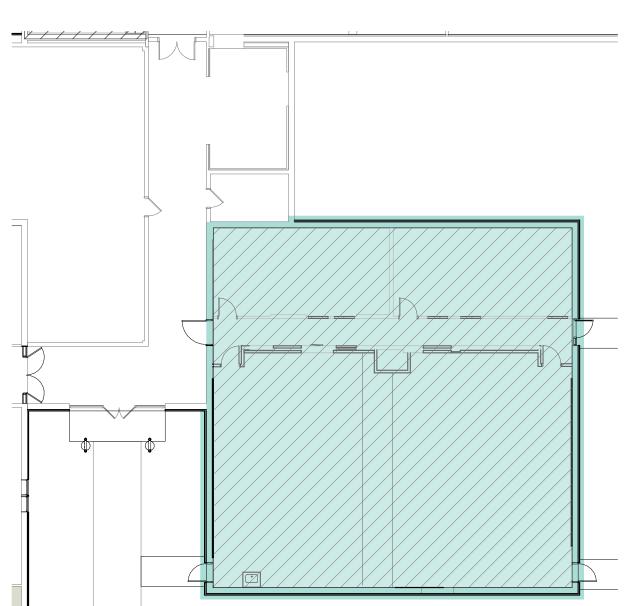
PLUMBING FIXTURE REQUIREMENTS

BUILDING BB - TOTAL CAPACITY BUILDING DD - TOTAL CAPACITY

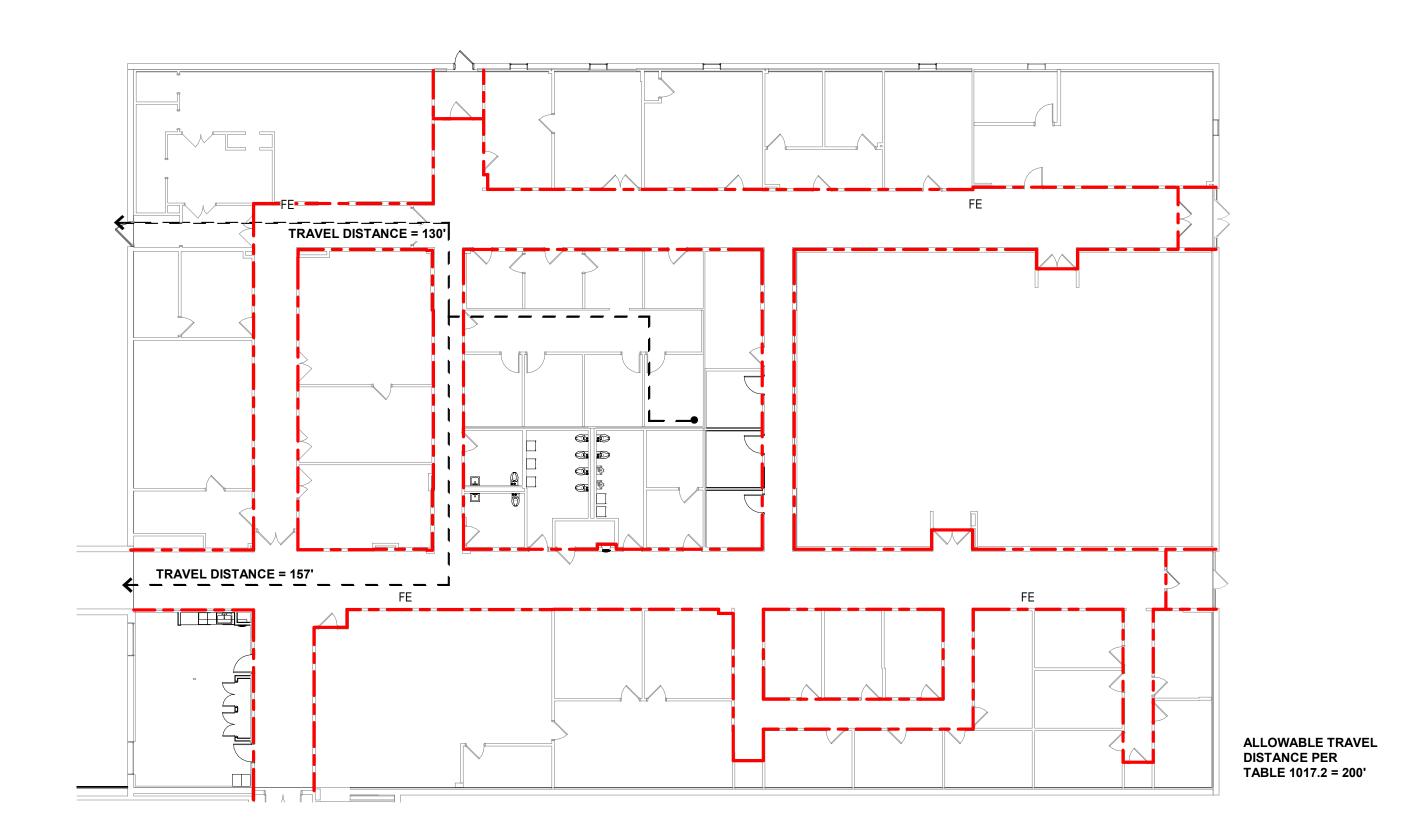
	FIRE AR	REA SCHEDU	<u>JLE</u>	
FIRE AREA	MOST RESTRICTIVE OCCUPANCY	AREA (PROVIDED)	AREA (ALLOWED PER 903.2.9)	SEPARATION REQ'D PER 707.3.10
BUILDING RR - NO FIRE AREAS REO'D				

BUILDING DD - NO FIRE AREAS REQ'D

EXIT WIDTH						
BUILDING IDENTIFICATION	AREA CLASSIFICATION	BUILDING AREA	EGRESS WIDTH PER OCCUPANT	REQUIRED WIDTH	ACTUAL WIDTH	
BUILDING BB	BUSINESS (B)	22,200 SF	222 X .2	44.4"	252"	
BUILDING DD BUSINESS (B) 4,054 SF 41 X .2 (36") 156"						



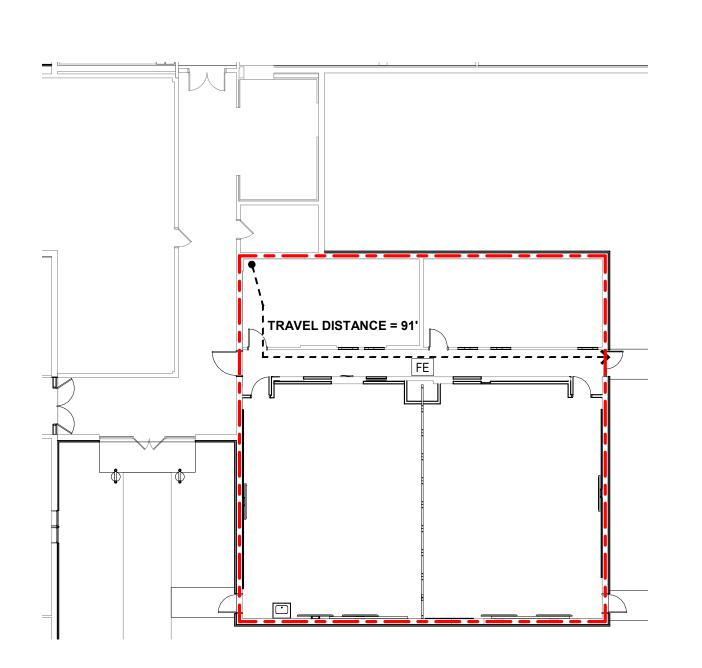




CODE COMPLIANCE PLAN - BB - OCCUPANCY

**CODE COMPLIANCE PLAN - BB - EGRESS** 

2 G003 1/16" = 1'-0"





CODE COMPLIANCE PLAN - DD - OCCUPANCY

AS NOTED

2021-885-02

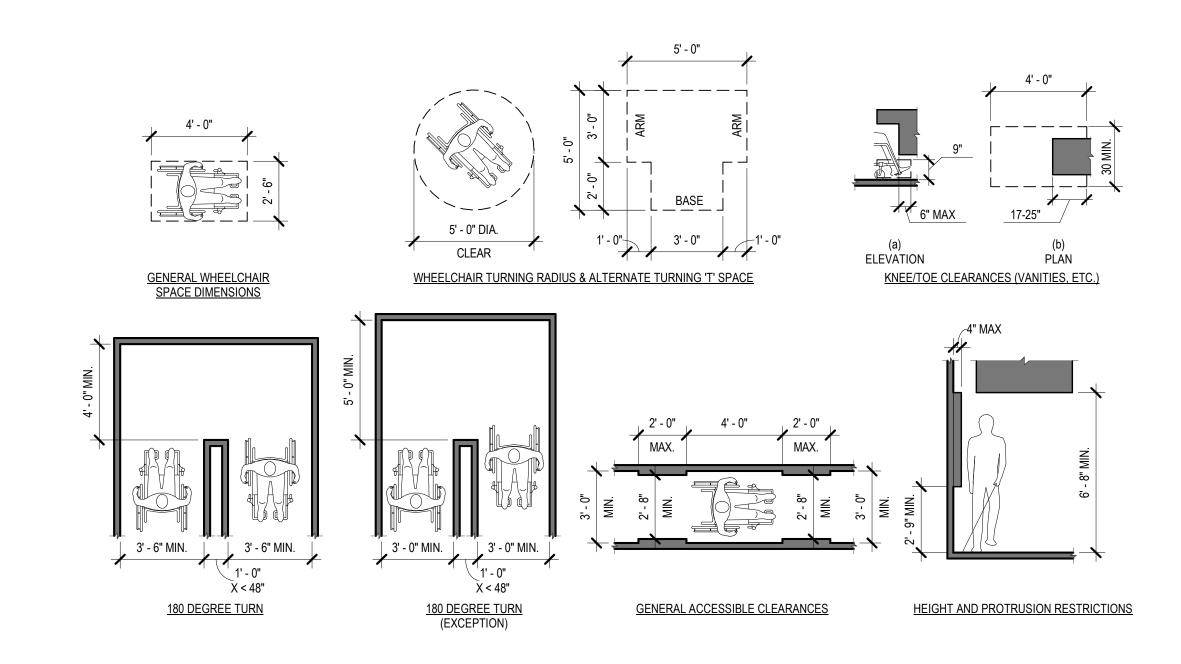
G003

01/24/2023

# CODE COMPLIANCE - RESTROOM MOUNTING HEIGHTS &

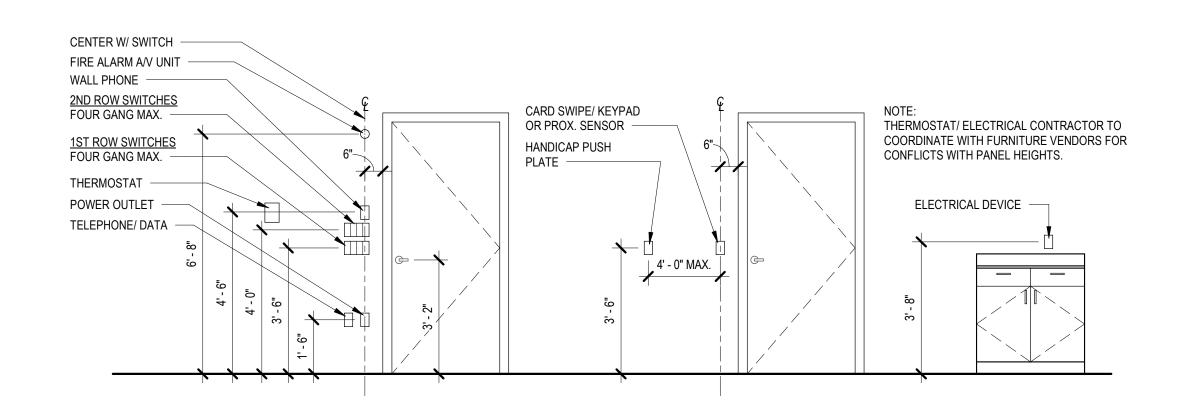
DIMENSIONS

2 DIMENSIONS

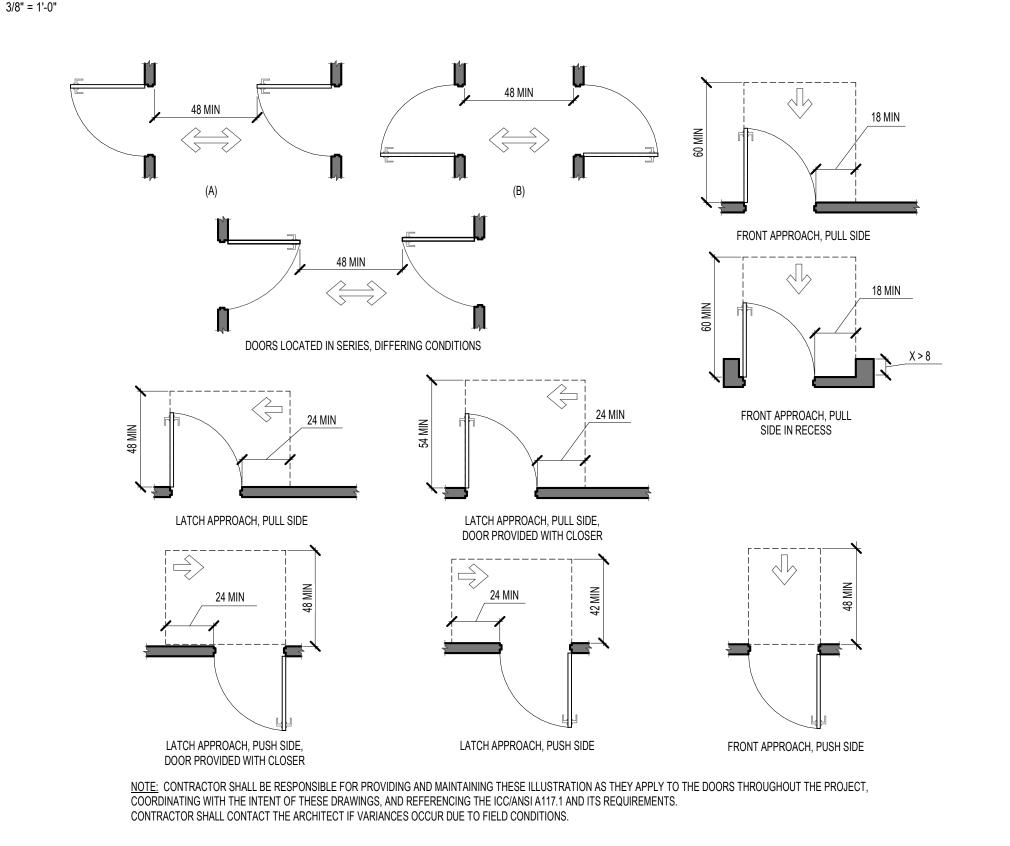


CODE COMPLIANCE - ACCESSIBLE ROUTES & CLEARANCES

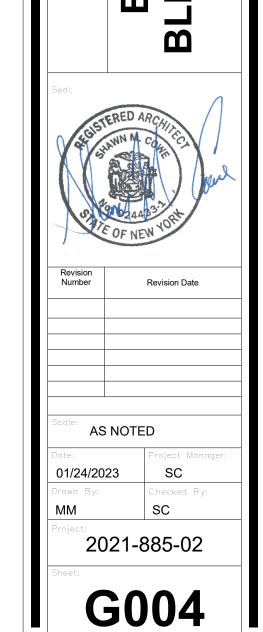
1/4" = 1'-0"

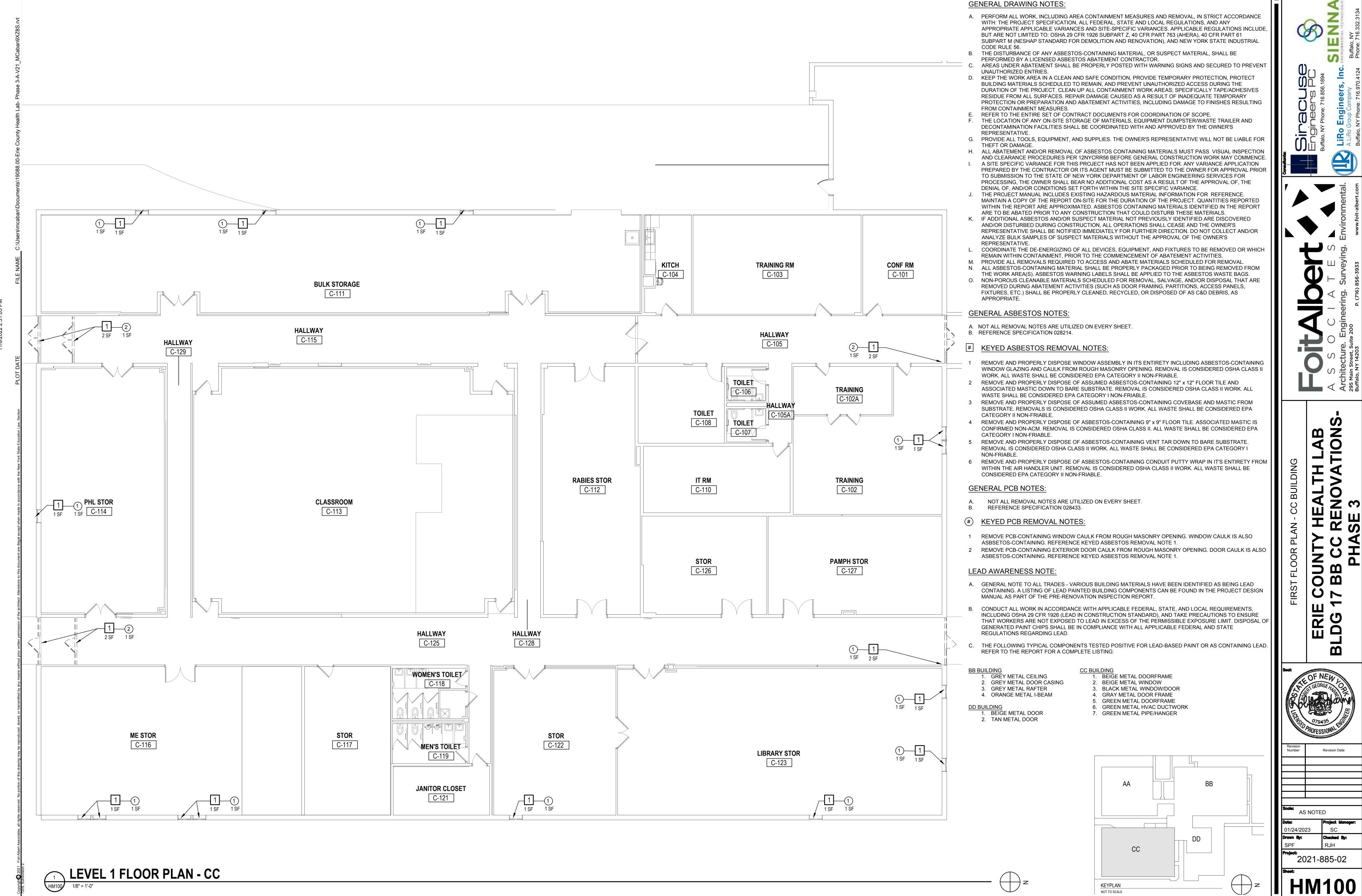


### CODE COMPLIANCE - ADA ELECTRICAL HEIGHTS & DIMENSIONS

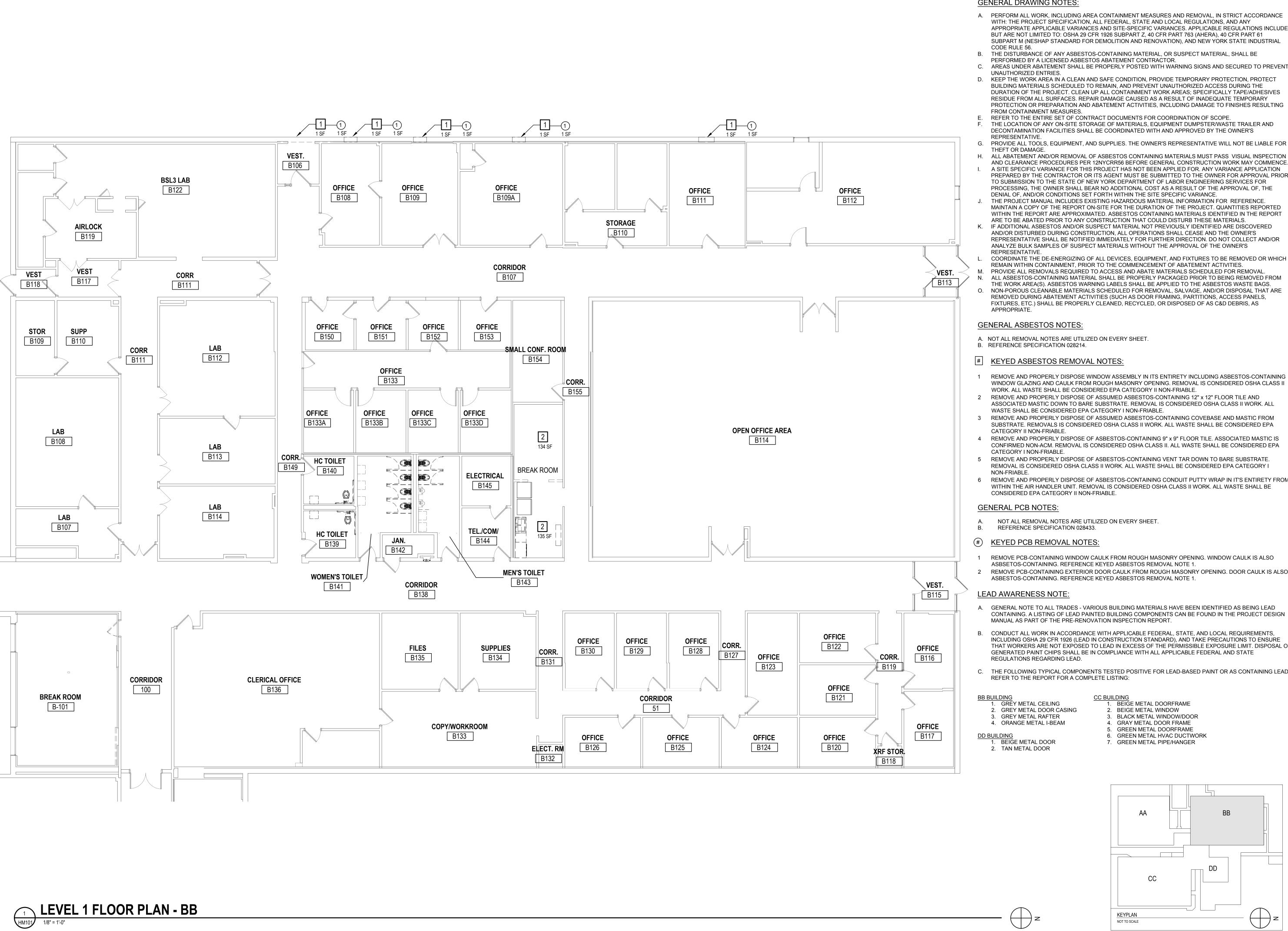


CODE COMPLIANCE - ACCESSIBLE DOORS









**GENERAL DRAWING NOTES** 

- A. PERFORM ALL WORK, INCLUDING AREA CONTAINMENT MEASURES AND REMOVAL, IN STRICT ACCORDANCE WITH: THE PROJECT SPECIFICATION, ALL FEDERAL, STATE AND LOCAL REGULATIONS, AND ANY APPROPRIATE APPLICABLE VARIANCES AND SITE-SPECIFIC VARIANCES. APPLICABLE REGULATIONS INCLUDE, BUT ARE NOT LIMITED TO: OSHA 29 CFR 1926 SUBPART Z, 40 CFR PART 763 (AHERA), 40 CFR PART 61 SUBPART M (NESHAP STANDARD FOR DEMOLITION AND RENOVATION), AND NEW YORK STATE INDUSTRIAL
- B. THE DISTURBANCE OF ANY ASBESTOS-CONTAINING MATERIAL, OR SUSPECT MATERIAL, SHALL BE PERFORMED BY A LICENSED ASBESTOS ABATEMENT CONTRACTOR.
- AREAS UNDER ABATEMENT SHALL BE PROPERLY POSTED WITH WARNING SIGNS AND SECURED TO PREVENT
- KEEP THE WORK AREA IN A CLEAN AND SAFE CONDITION, PROVIDE TEMPORARY PROTECTION, PROTECT BUILDING MATERIALS SCHEDULED TO REMAIN, AND PREVENT UNAUTHORIZED ACCESS DURING THE DURATION OF THE PROJECT. CLEAN UP ALL CONTAINMENT WORK AREAS; SPECIFICALLY TAPE/ADHESIVES RESIDUE FROM ALL SURFACES. REPAIR DAMAGE CAUSED AS A RESULT OF INADEQUATE TEMPORARY PROTECTION OR PREPARATION AND ABATEMENT ACTIVITIES, INCLUDING DAMAGE TO FINISHES RESULTING
- REFER TO THE ENTIRE SET OF CONTRACT DOCUMENTS FOR COORDINATION OF SCOPE. THE LOCATION OF ANY ON-SITE STORAGE OF MATERIALS, EQUIPMENT DUMPSTER/WASTE TRAILER AND DECONTAMINATION FACILITIES SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER'S
- ALL ABATEMENT AND/OR REMOVAL OF ASBESTOS CONTAINING MATERIALS MUST PASS VISUAL INSPECTION AND CLEARANCE PROCEDURES PER 12NYCRR56 BEFORE GENERAL CONSTRUCTION WORK MAY COMMENCE. A SITE SPECIFIC VARIANCE FOR THIS PROJECT HAS NOT BEEN APPLIED FOR. ANY VARIANCE APPLICATION PREPARED BY THE CONTRACTOR OR ITS AGENT MUST BE SUBMITTED TO THE OWNER FOR APPROVAL PRIOR TO SUBMISSION TO THE STATE OF NEW YORK DEPARTMENT OF LABOR ENGINEERING SERVICES FOR PROCESSING, THE OWNER SHALL BEAR NO ADDITIONAL COST AS A RESULT OF THE APPROVAL OF, THE
- THE PROJECT MANUAL INCLUDES EXISTING HAZARDOUS MATERIAL INFORMATION FOR REFERENCE. MAINTAIN A COPY OF THE REPORT ON-SITE FOR THE DURATION OF THE PROJECT. QUANTITIES REPORTED WITHIN THE REPORT ARE APPROXIMATED. ASBESTOS CONTAINING MATERIALS IDENTIFIED IN THE REPORT
- IF ADDITIONAL ASBESTOS AND/OR SUSPECT MATERIAL NOT PREVIOUSLY IDENTIFIED ARE DISCOVERED AND/OR DISTURBED DURING CONSTRUCTION, ALL OPERATIONS SHALL CEASE AND THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IMMEDIATELY FOR FURTHER DIRECTION. DO NOT COLLECT AND/OR ANALYZE BULK SAMPLES OF SUSPECT MATERIALS WITHOUT THE APPROVAL OF THE OWNER'S
- COORDINATE THE DE-ENERGIZING OF ALL DEVICES, EQUIPMENT, AND FIXTURES TO BE REMOVED OR WHICH REMAIN WITHIN CONTAINMENT, PRIOR TO THE COMMENCEMENT OF ABATEMENT ACTIVITIES. PROVIDE ALL REMOVALS REQUIRED TO ACCESS AND ABATE MATERIALS SCHEDULED FOR REMOVAL
- THE WORK AREA(S). ASBESTOS WARNING LABELS SHALL BE APPLIED TO THE ASBESTOS WASTE BAGS. NON-POROUS CLEANABLE MATERIALS SCHEDULED FOR REMOVAL, SALVAGE, AND/OR DISPOSAL THAT ARE REMOVED DURING ABATEMENT ACTIVITIES (SUCH AS DOOR FRAMING, PARTITIONS, ACCESS PANELS, FIXTURES, ETC.) SHALL BE PROPERLY CLEANED, RECYCLED, OR DISPOSED OF AS C&D DEBRIS, AS

A. NOT ALL REMOVAL NOTES ARE UTILIZED ON EVERY SHEET.

- REMOVE AND PROPERLY DISPOSE WINDOW ASSEMBLY IN ITS ENTIRETY INCLUDING ASBESTOS-CONTAINING WINDOW GLAZING AND CAULK FROM ROUGH MASONRY OPENING. REMOVAL IS CONSIDERED OSHA CLASS II
- REMOVE AND PROPERLY DISPOSE OF ASSUMED ASBESTOS-CONTAINING 12" x 12" FLOOR TILE AND ASSOCIATED MASTIC DOWN TO BARE SUBSTRATE. REMOVAL IS CONSIDERED OSHA CLASS II WORK. ALL WASTE SHALL BE CONSIDERED EPA CATEGORY I NON-FRIABLE.
- REMOVE AND PROPERLY DISPOSE OF ASSUMED ASBESTOS-CONTAINING COVEBASE AND MASTIC FROM SUBSTRATE. REMOVALS IS CONSIDERED OSHA CLASS II WORK. ALL WASTE SHALL BE CONSIDERED EPA
- REMOVE AND PROPERLY DISPOSE OF ASBESTOS-CONTAINING 9" x 9" FLOOR TILE. ASSOCIATED MASTIC IS CONFIRMED NON-ACM. REMOVAL IS CONSIDERED OSHA CLASS II. ALL WASTE SHALL BE CONSIDERED EPA
- REMOVE AND PROPERLY DISPOSE OF ASBESTOS-CONTAINING VENT TAR DOWN TO BARE SUBSTRATE. REMOVAL IS CONSIDERED OSHA CLASS II WORK. ALL WASTE SHALL BE CONSIDERED EPA CATEGORY I
- 6 REMOVE AND PROPERLY DISPOSE OF ASBESTOS-CONTAINING CONDUIT PUTTY WRAP IN IT'S ENTIRETY FROM WITHIN THE AIR HANDLER UNIT. REMOVAL IS CONSIDERED OSHA CLASS II WORK. ALL WASTE SHALL BE

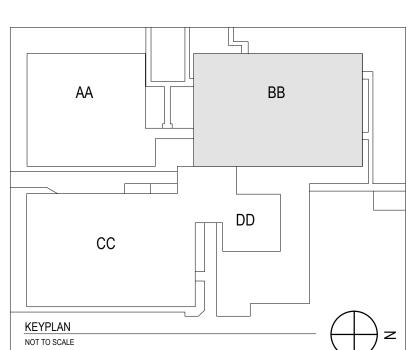
NOT ALL REMOVAL NOTES ARE UTILIZED ON EVERY SHEET

- REMOVE PCB-CONTAINING WINDOW CAULK FROM ROUGH MASONRY OPENING. WINDOW CAULK IS ALSO
- REMOVE PCB-CONTAINING EXTERIOR DOOR CAULK FROM ROUGH MASONRY OPENING. DOOR CAULK IS ALSO
- ASBESTOS-CONTAINING. REFERENCE KEYED ASBESTOS REMOVAL NOTE 1.
- GENERAL NOTE TO ALL TRADES VARIOUS BUILDING MATERIALS HAVE BEEN IDENTIFIED AS BEING LEAD CONTAINING. A LISTING OF LEAD PAINTED BUILDING COMPONENTS CAN BE FOUND IN THE PROJECT DESIGN
- CONDUCT ALL WORK IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS, INCLUDING OSHA 29 CFR 1926 (LEAD IN CONSTRUCTION STANDARD), AND TAKE PRECAUTIONS TO ENSURE THAT WORKERS ARE NOT EXPOSED TO LEAD IN EXCESS OF THE PERMISSIBLE EXPOSURE LIMIT. DISPOSAL OF lacksquareGENERATED PAINT CHIPS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE FEDERAL AND STATE
- C. THE FOLLOWING TYPICAL COMPONENTS TESTED POSITIVE FOR LEAD-BASED PAINT OR AS CONTAINING LEAD.

1. BEIGE METAL DOORFRAME

3. BLACK METAL WINDOW/DOOR 4. GRAY METAL DOOR FRAME 5. GREEN METAL DOORFRAME

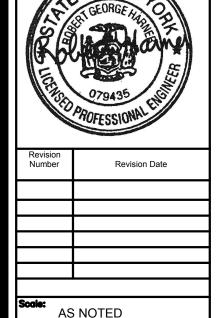
6. GREEN METAL HVAC DUCTWORK





40 AN -BB BUILDING H \ AL NO 3 UNTY B CC PHA

0 8



AS NOTED

#### **GENERAL DRAWING NOTES:**

- A. PERFORM ALL WORK, INCLUDING AREA CONTAINMENT MEASURES AND REMOVAL, IN STRICT ACCORDANCE WITH: THE PROJECT SPECIFICATION, ALL FEDERAL, STATE AND LOCAL REGULATIONS, AND ANY APPROPRIATE APPLICABLE VARIANCES AND SITE-SPECIFIC VARIANCES. APPLICABLE REGULATIONS INCLUDE, BUT ARE NOT LIMITED TO: OSHA 29 CFR 1926 SUBPART Z, 40 CFR PART 763 (AHERA), 40 CFR PART 61 SUBPART M (NESHAP STANDARD FOR DEMOLITION AND RENOVATION), AND NEW YORK STATE INDUSTRIAL CODE RULE 56.
- B. THE DISTURBANCE OF ANY ASBESTOS-CONTAINING MATERIAL, OR SUSPECT MATERIAL, SHALL BE PERFORMED BY A LICENSED ASBESTOS ABATEMENT CONTRACTOR.
- AREAS UNDER ABATEMENT SHALL BE PROPERLY POSTED WITH WARNING SIGNS AND SECURED TO PREVENT UNAUTHORIZED ENTRIES.
- KEEP THE WORK AREA IN A CLEAN AND SAFE CONDITION, PROVIDE TEMPORARY PROTECTION, PROTECT BUILDING MATERIALS SCHEDULED TO REMAIN, AND PREVENT UNAUTHORIZED ACCESS DURING THE DURATION OF THE PROJECT. CLEAN UP ALL CONTAINMENT WORK AREAS; SPECIFICALLY TAPE/ADHESIVES RESIDUE FROM ALL SURFACES. REPAIR DAMAGE CAUSED AS A RESULT OF INADEQUATE TEMPORARY PROTECTION OR PREPARATION AND ABATEMENT ACTIVITIES, INCLUDING DAMAGE TO FINISHES RESULTING FROM CONTAINMENT MEASURES.
- REFER TO THE ENTIRE SET OF CONTRACT DOCUMENTS FOR COORDINATION OF SCOPE. F. THE LOCATION OF ANY ON-SITE STORAGE OF MATERIALS, EQUIPMENT DUMPSTER/WASTE TRAILER AND DECONTAMINATION FACILITIES SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER'S
- G. PROVIDE ALL TOOLS, EQUIPMENT, AND SUPPLIES. THE OWNER'S REPRESENTATIVE WILL NOT BE LIABLE FOR THEFT OR DAMAGE. ALL ABATEMENT AND/OR REMOVAL OF ASBESTOS CONTAINING MATERIALS MUST PASS VISUAL INSPECTION AND CLEARANCE PROCEDURES PER 12NYCRR56 BEFORE GENERAL CONSTRUCTION WORK MAY COMMENCE. A SITE SPECIFIC VARIANCE FOR THIS PROJECT HAS NOT BEEN APPLIED FOR. ANY VARIANCE APPLICATION
- PREPARED BY THE CONTRACTOR OR ITS AGENT MUST BE SUBMITTED TO THE OWNER FOR APPROVAL PRIOR TO SUBMISSION TO THE STATE OF NEW YORK DEPARTMENT OF LABOR ENGINEERING SERVICES FOR PROCESSING, THE OWNER SHALL BEAR NO ADDITIONAL COST AS A RESULT OF THE APPROVAL OF, THE DENIAL OF, AND/OR CONDITIONS SET FORTH WITHIN THE SITE SPECIFIC VARIANCE. J. THE PROJECT MANUAL INCLUDES EXISTING HAZARDOUS MATERIAL INFORMATION FOR REFERENCE. MAINTAIN A COPY OF THE REPORT ON-SITE FOR THE DURATION OF THE PROJECT. QUANTITIES REPORTED

WITHIN THE REPORT ARE APPROXIMATED. ASBESTOS CONTAINING MATERIALS IDENTIFIED IN THE REPORT

- ARE TO BE ABATED PRIOR TO ANY CONSTRUCTION THAT COULD DISTURB THESE MATERIALS. K. IF ADDITIONAL ASBESTOS AND/OR SUSPECT MATERIAL NOT PREVIOUSLY IDENTIFIED ARE DISCOVERED AND/OR DISTURBED DURING CONSTRUCTION, ALL OPERATIONS SHALL CEASE AND THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IMMEDIATELY FOR FURTHER DIRECTION. DO NOT COLLECT AND/OR ANALYZE BULK SAMPLES OF SUSPECT MATERIALS WITHOUT THE APPROVAL OF THE OWNER'S REPRESENTATIVE.
- COORDINATE THE DE-ENERGIZING OF ALL DEVICES, EQUIPMENT, AND FIXTURES TO BE REMOVED OR WHICH REMAIN WITHIN CONTAINMENT, PRIOR TO THE COMMENCEMENT OF ABATEMENT ACTIVITIES. M. PROVIDE ALL REMOVALS REQUIRED TO ACCESS AND ABATE MATERIALS SCHEDULED FOR REMOVAL.
- N. ALL ASBESTOS-CONTAINING MATERIAL SHALL BE PROPERLY PACKAGED PRIOR TO BEING REMOVED FROM THE WORK AREA(S). ASBESTOS WARNING LABELS SHALL BE APPLIED TO THE ASBESTOS WASTE BAGS. O. NON-POROUS CLEANABLE MATERIALS SCHEDULED FOR REMOVAL, SALVAGE, AND/OR DISPOSAL THAT ARE REMOVED DURING ABATEMENT ACTIVITIES (SUCH AS DOOR FRAMING, PARTITIONS, ACCESS PANELS, FIXTURES, ETC.) SHALL BE PROPERLY CLEANED, RECYCLED, OR DISPOSED OF AS C&D DEBRIS, AS

#### **GENERAL ASBESTOS NOTES:**

APPROPRIATE.

A. NOT ALL REMOVAL NOTES ARE UTILIZED ON EVERY SHEET.

B. REFERENCE SPECIFICATION 028214.

### # KEYED ASBESTOS REMOVAL NOTES:

- REMOVE AND PROPERLY DISPOSE WINDOW ASSEMBLY IN ITS ENTIRETY INCLUDING ASBESTOS-CONTAINING WINDOW GLAZING AND CAULK FROM ROUGH MASONRY OPENING. REMOVAL IS CONSIDERED OSHA CLASS II WORK. ALL WASTE SHALL BE CONSIDERED EPA CATEGORY II NON-FRIABLE.
- REMOVE AND PROPERLY DISPOSE OF ASSUMED ASBESTOS-CONTAINING 12" x 12" FLOOR TILE AND ASSOCIATED MASTIC DOWN TO BARE SUBSTRATE. REMOVAL IS CONSIDERED OSHA CLASS II WORK. ALL WASTE SHALL BE CONSIDERED EPA CATEGORY I NON-FRIABLE.
- REMOVE AND PROPERLY DISPOSE OF ASSUMED ASBESTOS-CONTAINING COVEBASE AND MASTIC FROM SUBSTRATE. REMOVALS IS CONSIDERED OSHA CLASS II WORK. ALL WASTE SHALL BE CONSIDERED EPA CATEGORY II NON-FRIABLE.
- 4 REMOVE AND PROPERLY DISPOSE OF ASBESTOS-CONTAINING 9" x 9" FLOOR TILE. ASSOCIATED MASTIC IS CONFIRMED NON-ACM. REMOVAL IS CONSIDERED OSHA CLASS II. ALL WASTE SHALL BE CONSIDERED EPA CATEGORY I NON-FRIABLE.
- 5 REMOVE AND PROPERLY DISPOSE OF ASBESTOS-CONTAINING VENT TAR DOWN TO BARE SUBSTRATE. REMOVAL IS CONSIDERED OSHA CLASS II WORK. ALL WASTE SHALL BE CONSIDERED EPA CATEGORY I NON-FRIABLE.
- 6 REMOVE AND PROPERLY DISPOSE OF ASBESTOS-CONTAINING CONDUIT PUTTY WRAP IN IT'S ENTIRETY FROM WITHIN THE AIR HANDLER UNIT. REMOVAL IS CONSIDERED OSHA CLASS II WORK. ALL WASTE SHALL BE CONSIDERED EPA CATEGORY II NON-FRIABLE.

### **GENERAL PCB NOTES:**

NOT ALL REMOVAL NOTES ARE UTILIZED ON EVERY SHEET. REFERENCE SPECIFICATION 028433.

### **KEYED PCB REMOVAL NOTES:**

- 1 REMOVE PCB-CONTAINING WINDOW CAULK FROM ROUGH MASONRY OPENING. WINDOW CAULK IS ALSO ASBSETOS-CONTAINING. REFERENCE KEYED ASBESTOS REMOVAL NOTE 1.
- 2 REMOVE PCB-CONTAINING EXTERIOR DOOR CAULK FROM ROUGH MASONRY OPENING. DOOR CAULK IS ALSO ASBESTOS-CONTAINING. REFERENCE KEYED ASBESTOS REMOVAL NOTE 1.

### LEAD AWARENESS NOTE

- A. GENERAL NOTE TO ALL TRADES VARIOUS BUILDING MATERIALS HAVE BEEN IDENTIFIED AS BEING LEAD CONTAINING. A LISTING OF LEAD PAINTED BUILDING COMPONENTS CAN BE FOUND IN THE PROJECT DESIGN MANUAL AS PART OF THE PRE-RENOVATION INSPECTION REPORT.
- B. CONDUCT ALL WORK IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS, INCLUDING OSHA 29 CFR 1926 (LEAD IN CONSTRUCTION STANDARD), AND TAKE PRECAUTIONS TO ENSURE THAT WORKERS ARE NOT EXPOSED TO LEAD IN EXCESS OF THE PERMISSIBLE EXPOSURE LIMIT. DISPOSAL OF lacksquareGENERATED PAINT CHIPS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE FEDERAL AND STATE REGULATIONS REGARDING LEAD.
- C. THE FOLLOWING TYPICAL COMPONENTS TESTED POSITIVE FOR LEAD-BASED PAINT OR AS CONTAINING LEAD. REFER TO THE REPORT FOR A COMPLETE LISTING:

NOT TO SCALE

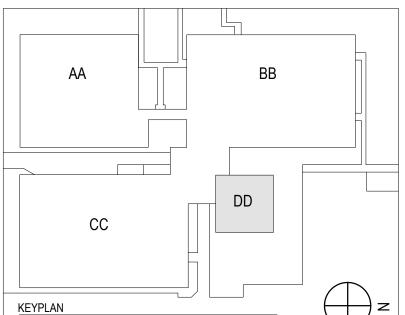
#### GREY METAL CEILING 2. GREY METAL DOOR CASING

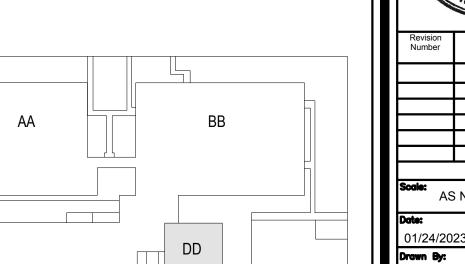
3. GREY METAL RAFTER 4. ORANGE METAL I-BEAM

### BEIGE METAL DOOR 2. TAN METAL DOOR

## 1. BEIGE METAL DOORFRAME

- BEIGE METAL WINDOW 3. BLACK METAL WINDOW/DOOR
- 4. GRAY METAL DOOR FRAME GREEN METAL DOORFRAME
- 6. GREEN METAL HVAC DUCTWORK 7. GREEN METAL PIPE/HANGER





LEVEL 1 FLOOR PLAN - DD

1/8" = 1'-0"

BUILDING -DD FLOOR

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Revision Date AS NOTED

#### **GENERAL DRAWING NOTES:**

- A. PERFORM ALL WORK, INCLUDING AREA CONTAINMENT MEASURES AND REMOVAL, IN STRICT ACCORDANCE WITH: THE PROJECT SPECIFICATION, ALL FEDERAL, STATE AND LOCAL REGULATIONS, AND ANY APPROPRIATE APPLICABLE VARIANCES AND SITE-SPECIFIC VARIANCES. APPLICABLE REGULATIONS INCLUDE, BUT ARE NOT LIMITED TO: OSHA 29 CFR 1926 SUBPART Z, 40 CFR PART 763 (AHERA), 40 CFR PART 61 SUBPART M (NESHAP STANDARD FOR DEMOLITION AND RENOVATION), AND NEW YORK STATE INDUSTRIAL CODE RULE 56.
- B. THE DISTURBANCE OF ANY ASBESTOS-CONTAINING MATERIAL, OR SUSPECT MATERIAL, SHALL BE PERFORMED BY A LICENSED ASBESTOS ABATEMENT CONTRACTOR.
- C. AREAS UNDER ABATEMENT SHALL BE PROPERLY POSTED WITH WARNING SIGNS AND SECURED TO PREVENT UNAUTHORIZED ENTRIES.
- KEEP THE WORK AREA IN A CLEAN AND SAFE CONDITION, PROVIDE TEMPORARY PROTECTION, PROTECT BUILDING MATERIALS SCHEDULED TO REMAIN, AND PREVENT UNAUTHORIZED ACCESS DURING THE DURATION OF THE PROJECT. CLEAN UP ALL CONTAINMENT WORK AREAS; SPECIFICALLY TAPE/ADHESIVES RESIDUE FROM ALL SURFACES. REPAIR DAMAGE CAUSED AS A RESULT OF INADEQUATE TEMPORARY PROTECTION OR PREPARATION AND ABATEMENT ACTIVITIES, INCLUDING DAMAGE TO FINISHES RESULTING FROM CONTAINMENT MEASURES.
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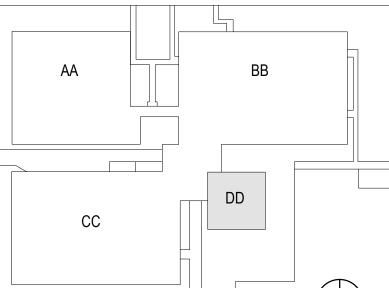
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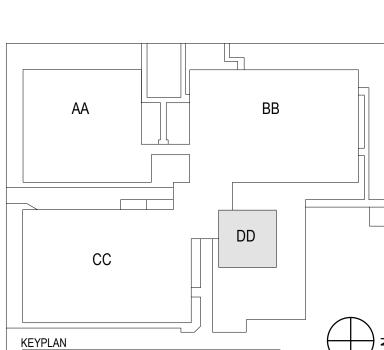
3. GREY METAL RAFTER 4. ORANGE METAL I-BEAM

### BEIGE METAL DOOR 2. TAN METAL DOOR

### 1. BEIGE METAL DOORFRAME BEIGE METAL WINDOW

- 3. BLACK METAL WINDOW/DOOR 4. GRAY METAL DOOR FRAME GREEN METAL DOORFRAME
- 6. GREEN METAL HVAC DUCTWORK 7. GREEN METAL PIPE/HANGER





AS NOTED 2021-885-02

LEVEL 1 FLOOR PLAN - DD

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### LOADING DOCK ADDITION AND PAVEMENT WORK

### **GENERAL NOTES**

1. IF SIGNS OF CONTAMINATION ARE ENCOUNTERED DURING EXCAVATION, IMMEDIATELY STOP WORK AND NOTIFY THE DIRECTOR'S REPRESENTATIVE. SIGNS OF CONTAMINATION INCLUDE, BUT ARE NOT LIMITED TO: ODOR, OILY SHEEN, SLUDGE, SOIL STAINING, AND UNUSUAL FILL MATERIAL. NYSDEC MUST BE CONTACTED BY THE ARCHITECT IF PETROLEUM CONTAMINATED SOIL IS ENCOUNTERED ONSITE DURING CONSTRUCTION.

### **REMOVALS NOTES**

- 1. SAWCUTTING IS REQUIRED FOR TRENCHES, SIDEWALK, AND PAVEMENT REMOVALS OR OTHER EXCAVATION WORK WITHIN PAVED AREAS, SIDEWALKS, OR AT CURBS, UNLESS OTHERWISE NOTED OR APPROVED BY ARCHITECT.
- 2. WHEN ADJACENT ASPHALT, CONCRETE, OR PAVING STONE AREAS ARE DISTURBED AS PART OF THE CONSTRUCTION, REPLACE DAMAGED OR EXCAVATED AREA. SAWCUT THE PERIMETER OF THE DISTURBED AREA FULL DEPTH SO THAT LINES ARE STRAIGHT AND TRUE

### STAGING AND WORK ZONE CONTROL NOTES

- ENSURE THAT CONDITIONS SURROUNDING THE WORK AREA ARE ADEQUATE FOR PUBLIC SAFETY AT ALL TIMES. IMMEDIATELY REPORT THE PRESENCE OF ANY UNSAFE CONDITIONS TO THE ARCHITECT.
- NOTIFY LOCAL LAW ENFORCEMENT AND EMERGENCY SERVICES OF CHANGES TO THE TRAFFIC (VEHICULAR AND/OR PEDESTRIAN) PATTERNS AND ANY OTHER COORDINATION THEY REQUIRE.
- MAINTAIN A SAFE TRAVEL WAY FOR PEDESTRIANS AROUND ALL WORK AREAS. KEEP ALL 6.
  WORK AREAS, EITHER ACTIVE OR INACTIVE, INACCESSIBLE TO THE PUBLIC AT ALL TIMES
  BY MEANS ACCEPTABLE TO THE ARCHITECT.
- 4. COORDINATE TRAFFIC CONTROL MEASURES AND WORK SCHEDULE FOR ANY WORK WITHIN A PUBLIC RIGHT-OF-WAY WITH THE ARCHITECT.
- 5. MAINTENANCE AND PROTECTION OF TRAFFIC MUST COMPLY WITH THE FEDERAL AND NEW YORK STATE DEPARTMENT OF TRANSPORTATION'S MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, SECTION 619 OF CURRENT NYSDOT STANDARD SPECIFICATIONS, THESE PLANS, AND AS ORDERED BY THE ARCHITECT.
- 6. VEHICLES AND/OR EQUIPMENT BELONGING TO THE CONTRACTOR OR THEIR WORKERS ARE NOT TO BE PARKED ON PAVEMENT OR SHOULDER ALONG A ROADWAY BEING USED BY THE GENERAL PUBLIC. NO MATERIAL MAY BE PLACED ON THE SHOULDER OR WITHIN THE CLEAR ROADSIDE AREA. CONSTRUCTION EQUIPMENT, MATERIALS, AND/OR VEHICLES STORED DURING NON-WORKING HOURS OR OVERNIGHT MUST BE LOCATED IN THE FENCED PROJECT AREA AS SHOWN ON THE STAGING PLAN OR PER DIRECTOR'S REPRESENTATIVE.

### **EARTHWORK & SITE RESTORATION NOTES**

- 1. PROVIDE DEWATERING IF GROUNDWATER IS ENCOUNTERED DURING EXCAVATION WORK, AND MAINTAIN UNTIL ALL EXCAVATIONS ARE BACKFILLED AND HAVE POSITIVE SURFACE DRAINAGE.
- 2. SOIL SUBBASES SHOULD NOT BE ALLOWED TO POOL STANDING WATER OR BECOME SATURATED, FROZEN, OR DISTURBED.
- 3. PERFORM WORK IN COMPLIANCE WITH TITLE 29, CODE OF FEDERAL REGULATIONS, PART 1926, SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION (O.S.H.A.). IN TRENCH EXCAVATIONS, LAY THE SIDES SLOPES BACK TO A PERMITTED SLOPE (IF ADEQUATE SPACE IS AVAILABLE), USE A TRENCH SHIELD, OR PROVIDE SHEETING, SHORING, AND BRACING. INCLUDE COSTS FOR TRENCH AND STRUCTURE EXCAVATION PROTECTION IN THE BID.
- 4. RESTORE EXCAVATIONS AND DISTURBED AREAS TO THE PROPOSED CONDITIONS SHOWN ON THE DRAWINGS AND PROJECT SPECIFICATIONS. THIS INCLUDES CONSTRUCTION ACCESS ROUTES, STAGING AREAS, AND DESIGNATED CONTRACT WORK AREAS.
- 5. IT IS ANTICIPATED THAT BEDROCK WILL BE ENCOUNTERED DURING EXCAVATION WORK. BASED ON HISTORICAL INFORMATION, BEDROCK DEPTH IS APPROXIMATELY 2'-6" BELOW EXISTING GRADE. BLASTING IS NOT PERMITTED FOR REMOVAL OF ROCK.
- 6. MATCH EXISTING GRADES AT ALL LOCATIONS WHERE CONCRETE OR ASPHALT PAVEMENT MEETS EXISTING PAVEMENT. PAVEMENT SHALL BE SLOPED TO ENSURE DRAINAGE TOWARD EXISTING DRAINAGE STRUCTURES.
- 7. RESTORE DISTURBED WITH TOPSOIL (4" MINIMUM), HYDROSEEDING, MULCHING, AND WATERING.

#### UTILITY NOTES

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATIONS AND/OR ELEVATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE.
- 2. CALL DIGSAFELY NY AND 811 AT LEAST (7) FULL WORKING DAYS BEFORE ANY EXCAVATION (800) 962-7962. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING UTILITY COMPANIES THAT ARE NOT A MEMBER OF THE "DIG SAFELY NEW YORK" PROGRAM.
- 3. UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND BASED ON RECORD DRAWINGS. CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO BEGINNING WORK. NOTIFY OWN OF ANY CONFLICTS.
- 4. TAKE PRECAUTIONS NECESSARY TO PRESERVE THE INTEGRITY OF EXISTING UTILITIES TO REMAIN AND PROVIDE UNINTERRUPTED SERVICE TO ALL USERS OF THE EXISTING UTILITIES. PROTECT EXISTING UTILITIES TO REMAIN FROM DAMAGE BY EQUIPMENT PASSING OVER THEM. SUPPORT AND PROTECT EXISTING UTILITIES TO REMAIN IN EXCAVATIONS. USE SUITABLE VIBRATORY EQUIPMENT AND CONSTRUCTION PROCEDURES TO AVOID DISTURBANCE OR BREAKAGE OF THE EXISTING UTILITIES. CONTRACTOR TO REPAIR UTILITIES DAMAGED BY CONTRACTOR AT NO ADDITIONAL EXPENSE.
- 5. NOTIFY THE ARCHITECT AT LEAST 72 HOURS PRIOR TO ALLOW TIME FOR THEM TO COORDINATE UTILITY SHUTDOWNS. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING UNINTERRUPTED SANITARY SERVICE INCLUDING BYPASS PUMPING TO SANITARY SEWER MAIN IF NECESSARY.
- 6. ADJUST OR REPLACE EXISTING WATER VALVES, GAS VALVES, STEAM, ELECTRIC, TELECOMMUNICATIONS, SANITARY SEWER, AND STORM MANHOLES AND/OR COVERS LOCATED WITHIN THE LIMIT OF CONTRACT AS REQUIRED TO MEET THE PROPOSED ENTER OF A DECEMBER OF A DEC



ERIE COUNTY HEALTH
RENOVATIONS PHA

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Revision Number Revision Date

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Date:

01/24/2023 SC

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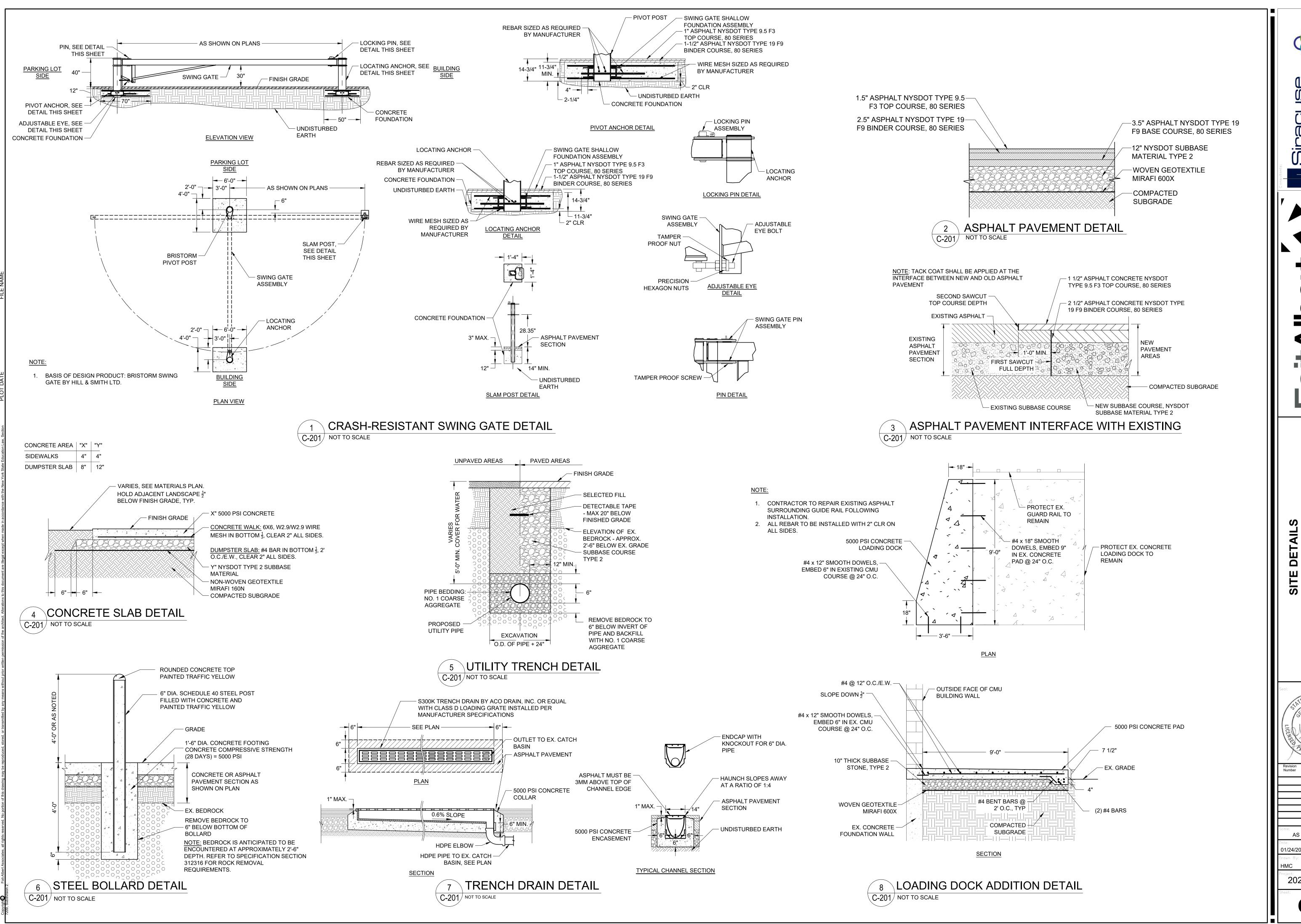
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DLP

Project:

2021-885-01

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Siracus Cuse

Buffalo, NY Phone: 716.856.1894

LiRo Engineers, Inc.
A LiRo Group Company

nental.

Architecture. Engineering. Surveying

CHEALTH LAB CC IONS PHASE 3

ERIE COUNTY HEALT
RENOVATIONS PF



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Checked By:

HMC

Project:

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# BOTTOM OF FOOTING ELEVATION ONE-WAY SPAN DIRECTION LATERAL FRAME MOMENT CONNECTION TWO-WAY SPAN DIRECTION GRAVITY MOMENT CONNECTION SOIL BORING LOCATION & NUMBER STEP IN ELEVATION STRUCTURAL SECTION RAMP DOWN STRUCTURAL ELEVATION

STRUCTURAL SYMBOLS LEGEND

STRUCTURAL ABBREVIATIONS			
ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
ADJ	ADJACENT	LLH	LONG LEG HORIZONTAL
ADDL	ADDITIONAL	LLY	LONG LEG VERTICAL
ALT	ALTERNATE	LP	LOW POINT
AB	ANCHOR BOLT	LM	LIGHT MEIGHT
ARCH	ARCHITECT	мо	MASONRY OPENING
BRG	BEARING	MAX	MAXIMUM
CLR	CLEAR	MIN	MINIMUM
CMU	CONCRETE MASONRY UNIT	MP	MASONRY PIER
CONST JT	CONSTRUCTION JOINT	NIC	NOT IN CONTRACT
CJ	CONTROL JOINT	NTS	NOT TO SCALE
CU YD	CUBIC YARD	N5	NEAR SIDE
DIA	DIAMETER	oc	ON CENTER
DIM	DIMENSION	<i>O</i> F	OUTSIDE FACE
DMG	DRAWING	P	PIER (CONCRETE)
EF	EACH FACE	PL	PLATE
EL	ELEVATION	R	RADIUS
EOD	EDGE OF DECK	RD	ROOF DRAIN
E <i>O</i> S	EDGE OF SLAB	RO	ROUGH OPENING
EQ	EQUAL	50	SLIP CRITICAL
ES	EACH SIDE	SIM	SIMILAR
EΜ	EACH WAY	506	SLAB ON GRADE
EXIST	EXISTING	STD	STANDARD
EXP	EXPANSION	SYMM	SYMMETRICAL
FS FS	FAR SIDE	T \$B	TOP & BOTTOM
FTG	FOOTING	TOL	TOP OF LEDGE
GA	GAUGE	T <i>0</i> 5	TOP OF STEEL
GALV	GALVANIZED	TOM	TOP OF WALL
GB	GRADE BEAM	TRANS	TRANSVERSE
GC	GENERAL CONTRACTOR	TYP	TYPICAL
HORIZ	HORIZONTAL	UNO	UNLESS NOTED OTHERWISE
HP	HIGH POINT	VIF	VERIFY IN FIELD
HSS	HOLLOW STRUCTURAL SECTION	VERT	VERTICAL
IF	INSIDE FACE	MP	WORK POINT
JT	JOINT	MD	MOOD
L	ANGLE	MMF	MELDED WIRE FABRIC

### GENERAL NOTES

- THE WORK SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED IN ACCORDANCE WITH THE STRUCTURAL REQUIREMENTS OF THE "2020 BUILDING CODE OF NEW YORK STATE."
- THE STRUCTURAL COMPONENTS HAVE BEEN DESIGNED FOR THE LOADS INDICATED IN THE STRUCTURAL DESIGN CRITERIA.
- CONTRACTOR SHALL FIELD MEASURE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO THE START OF CONSTRUCTION AND THE FABRICATION OF ANY MATERIALS. NOTIFY ENGINEER OF ANY EXISTING CONDITION DISCREPANCIES.
- THIS STRUCTURE HAS BEEN DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE CONSTRUCTION OF THE BUILDING HAS BEEN COMPLETED. THE STABILITY OF THE STRUCTURE PRIOR TO COMPLETION IS SOLEY THE RESPONSIBILITY OF THE CONTRACTOR. THIS RESPONSIBILITY EXTENDS TO ALL RELATED ASPECTS OF THE CONSTRUCTION ACTIVITY INCLUDING, BUT NOT LIMITED TO, ERECTION METHODS, ERECTION SEQUENCE, TEMPORARY BRACING, SHORING, FORMS, USE OF EQUIPMENT AND SIMILAR CONSTRUCTION PROCEDURES. LACK OF COMMENT ON THE PART OF THE ENGINEER WITH REGARD TO CONSTRUCTION PROCEDURES IS NOT TO BE INTERPRETED AS APPROVAL OF THOSE
- THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING, PROVIDING AND INSTALLING ALL TEMPORARY SHORING THAT IS REQUIRED DURING CONSTRUCTION.
- JOB SITE SAFETY AND CONSTRUCTION MEANS AND METHODS ARE SOLEY THE RESPONSIBILITY OF THE CONTRACTOR. REVIEW OF THE CONSTRUCTION BY THE ENGINEER IS FOR CONFORMANCE WITH THE DESIGN ASPECTS ONLY, NOT TO REVIEW THE CONTRACTOR'S PROVISIONS FOR JOB SITE SAFETY AND CONSTRUCTION PROCEDURES. LACK OF COMMENT BY THE ENGINEER IS NOT TO BE INTERPRETED AS APPROVAL.
- LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO REQUIREMENTS OF OTHER NON-STRUCTURAL DISCIPLINES ARE SHOWN FOR REFERENCE ONLY. THESE PLANS DO NOT SHOW THE FULL SCOPE OF OPENINGS IN ROOFS, FLOORS AND WALLS. FOR SIZE AND LOCATION OF ALL OPENINGS SEE ARCHITECTURAL AND MEP DRAWINGS. THE CONTRACTOR SHALL OBTAIN FROM THE MEP AND OTHER TRADES THE FINAL APPROVED SIZE AND LOCATION OF ALL OPENINGS AND WORK TO BE PROVIDED FOR THEIR TRADE IN ROOFS, FLOORS AND WALLS WHETHER SHOWN OR NOT ON STRUCTURAL DRAWINGS. EXCESS COST RELATED TO VARIATION IN REQUIREMENTS OR EQUIPMENT ARE NOT TO BE BORNE BY THE
- IF FAULTY CONSTRUCTION PROCEDURES OR MATERIAL RESULT IN DEFECTIVE WORK THAT REQUIRES ADDITIONAL ENGINEERING TIME TO DEVISE CORRECTIVE MEASURES, PROFESSIONAL FEES MAY BE CHARGED TO THE CONTRACTOR AT THE STANDARD HOURLY RATE OF ADDITIONAL SERVICES. SUCH FEES MY BE WITHHELD FROM THE GENERAL
- ONE BLACKLINE PRINT OF ALL ERECTION AND DETAIL SHOP DRAWINGS INDICATING THE FABRICATOR, MANUFACTURER, FINISH, LAYOUT AND ALL ACCESSORIES MUST BE SUBMITTED TO AND BE CHECKED BY THE CONTRACTOR AND SUBCONTRACTOR AND BEAR THE CHECKER'S INITIALS BEFORE SUBMISSION TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
- O THESE DRAWINGS ARE SUPPLEMENTED BY A DETAILED TECHNICAL SPECIFICATION. THE NOTES SHOWN UNDER CERTAIN CATEGORIES OF WORK ARE INTENDED TO SUMMARIZE BASIC
- WORK SHOWN AS "TYPICAL DETAILS" APPLY THROUGHOUT THE PROJECT AS REQUIRED. WORK SHOWN AS "SECTIONS" SHALL BE CONSIDERED TO APPLY FOR THE SAME AND SIMILAR CONDITIONS IN THE BUILDING.
- 12 SOME DETAILS OF THE WORK ARE SHOWN ON THE ARCHITECTURAL DRAWINGS. CAREFUL REVIEW AND STUDY OF THE DETAILS ARE NECESSARY BEFORE THE FULL SCOPE OF THE WORK CAN BE COMPREHENDED.
- 13 DO NOT SCALE THE DRAWINGS.

### FOUNDATION NOTES

- 1 REFER TO DIVISION 31 OF THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS OF EARTHWORK MATERIAL AND BACKFILLING.
- 2 REFER TO THE PROJECT "STATEMENT OF SPECIAL INSPECTIONS" FOR REQUIRED FOUNDATION TESTING AND INSPECTIONS.
- FOUNDATIONS HAVE BEEN DESIGNED BASED ON THE GEOTECHNICAL REQUIREMENTS STATED IN THE PROJECT GEOTECHNICAL REPORT. SEE PROJECT SPECIFICATIONS FOR REPORT.
- 4 ALL FOUNDATIONS SHALL BEAR ON INORGANIC, UNDISTURBED SOILS AS DESCRIBED IN THE PROJECT GEOTECHNICAL REPORT OR ON COMPACTED STRUCTURAL FILL. ACCEPTABLE BEARING STRATA IS ANTICIPATED AT THE BOTTOM OF FOOTING ELEVATIONS NOTED ON PLAN AND SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING
- 5 DO NOT PLACE CONCRETE ON FROZEN GROUND OR IN EXCAVATIONS CONTAINING FREE STANDING WATER, CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL BEARING GRADES AND SURROUNDING SOILS PRIOR TO AND AFTER FOUNDATIONS HAVE BEEN
- 6 BACKFILL FOUNDATION WALLS IN SUCH A MANNER TO MAINTAIN EQUAL LEVELS OF FILL ON EACH SIDE OF WALL. FILL LEVELS MAY VARY UP TO 1'-O" ON EITHER SIDE AT ANY ONE TIME.
- 7 CONCRETE SLABS AT THE TOP AND BOTTOM OF BASEMENT WALLS ARE ASSUMED TO BRACE THE WALLS. DO NOT BACKFILL BASEMENT WALLS UNTIL THESE SLABS HAVE BEEN POURED AND ACHIEVE THEIR SPECIFIED 28-DAY COMPRESSIVE STRENGTH.
- 8 LOCATE EXISTING UNDERGROUND UTILITIES IN AREAS OF EXCAVATION WORK. PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION DURING EARTHWORK OPERATIONS.
- 9 WHERE FOOTINGS ARE IN CLOSE PROXIMITY OF SUB-SURFACE PIPING, BOTTOM OF FOOTINGS SHALL BE AT LEAST 8-INCHES BELOW ELEVATION OF PIPING UNLESS OTHERWISE SHOWN ON THE CONTRACT DRAWINGS.
- 10 COMPLY WITH ALL OSHA STANDARDS AND REGULATIONS WHEN EXCAVATING FOR FOUNDATIONS.

### CONCRETE NOTES

- 1 REFER TO DIVISION 03 OF THE PROJECT SPECIFICATIONS FOR ADDITIONAL CONCRETE REQUIREMENTS.
- 2 REFER TO THE PROJECT "STATEMENT OF SPECIAL INSPECTIONS" FOR REQUIRED CONCRETE TESTING AND INSPECTIONS.
- 3 ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF ACI 301 - "SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS".
- 4 ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS, UNLESS NOTED OTHERWISE, MUST FOLLOW THE LATEST EDITION OF THE ACI CODE AND ACI "MANUAL OF STANDARD PRATICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.
- 5 "WET STICKING" DOWELS AND REINFORGING INTO CONCRETE IS NOT PERMITTED. ALL DOWELS. REINFORCING AND WELDED WIRE FABRIC MUST BE SUPPORTED AND TIED IN ITS PROPER LOCATION PRIOR TO POURING CONCRETE.
- 6 REFER TO CHAPTER 20 OF THE LATEST EDITION OF ACI 318 FOR MINIMUM CONCRETE COVER REQUIREMENTS.
- 7 NO ADMIXTURES ARE PERMITTED WITHOUT THE ENGINEERS WRITTEN PERMISSION OTHER
- 8 DO NOT USE CALCIUM CHLORIDE IN ANY CONCRETE.
- 9 REFER TO AND COORDINATE WITH ARCHITECTURAL AND MEP DRAWINGS FOR ALL ITEMS REQUIRED BY OTHER TRADES TO BE PLACED INTO CONCRETE PRIOR TO POURING.
- 10 REFER TO AND COORDINATE WITH ARCHITECTURAL AND MEP DRAWINGS FOR ALL SLAB DEPRESSIONS, WALL AND SLAB OPENINGS AND FLOOR FINISHES PRIOR TO POURING
- 11 PLACE CONCRETE PIERS AND WALLS MONOLITHICALLY WITH WALL REINFORCING EXTENDING THROUGH PIER.

### CONCRETE NOTES

- 12 DEFLECTION OF STEEL FRAMED FLOORS WILL OCCUR DURING PLACEMENT OF CONCRETE FLOOR SLABS. PROVIDE ADDITIONAL CONCRETE AS REQUIRED TO FINISH SLABS WITHIN THE SPECIFIED TOLERANCES SET FORTH IN THE PROJECT SPECIFICATIONS. ALLOW FOR AN AVERAGE OF 1/2-INCH OF ADDTIONAL CONCRETE AT EACH FLOOR SLAB POUR.
- 13 SAW CUT CONTROL JOINTS FOR SLABS ON GRADE WHEN CUTTING ACTION WILL NOT TEAR ABRADE OR OTHERWISE DAMAGE THE SURFACE OF THE CONCRETE WITH AN EARLY-ENTRY DRY-CUT SAW EQUIPPED WITH DIAMOND-RIMMED BLADES. START CUTTING WITHIN 4-HOURS OF FINISHING CONCRETE AND COMPLETE CUTTING WITHIN 12-HOURS OF FINISHING CONCRETE. JOINTS SHALL BE CUT IN PATTERN SHOWN ON PLAN.
- 14 A REPRESENTATIVE FROM THE FIBER REINFORGING MANUFACTURER SHALL BE PRESENT AT THE PRE-POUR MEETING TO ADVISE ON PLACING AND FINISHING TECHNIQUES OF CONCRETE CONTAINING FIBER REINFORCING.

### STRUCTURAL STEEL NOTES

- 1 REFER TO DIVISION 05 OF THE PROJECT SPECIFICATIONS FOR ADDTIONAL STRUCTURAL
- 2 REFER TO THE PROJECT "STATEMENT OF SPECIAL INSPECTIONS" FOR REQUIRED STRUCTURAL STEEL TESTING AND INSPECTIONS.
- 3 DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC 360 - "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
- 4 ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY'S AWS D1.1 -"STRUCTURAL WELDING CODE-STEEL" FOR ARC AND GAS WELDING. WELDS SHALL BE

PERFORMED BY A CERTIFIED WELDER IN ACCORDANCE WITH AWS STANDARDS.

- 5 WHERE SLOTTED HOLE CONNECTIONS ARE SHOWN TO ALLOW FOR PERMANENT DIFFERENTIAL MOVEMENT BETWEEN TWO MEMBERS, NUTS SHALL BE FASTENED SNUG TIGHT THEN UNTIGHTENED BY ONE-HALF TURN. PEEN THREADS TO PREVENT FURTHER LOOSENING OF THE NUT. THIS IS NOT REQUIRED AT SLOTTED HOLE CONNECTIONS THAT ARE TO BE FIELD WELDED AFTER ADJUSTMENT.
- 6 PROVIDE NUMBER OF BOLTS REQUIRED TO SATISFY LOAD REQUIREMENTS SET FORTH IN THE PROJECT SPECIFICATIONS WITH A MINIMUM OF 2-BOLTS AT EACH CONNECTION UNLESS SHOWN OTHERWISE ON THE CONTRACT DRAWINGS.
- 7 REFER TO ARCHITECTURAL DRAWINGS FOR STRUCTURAL STEEL FIRE RATINGS AND PROTECTION. COORDINATE STRUCTURAL STEEL SURFACE PREPARATION AND PRIMER WITH FIRE RATING REQUIREMENTS.
- 8 DO NOT FIELD ALTER OR FIELD CUT OPENINGS IN STRUCTUAL STEEL WITHOUT WRITTEN APPROVAL FROM ENGINEER. ALL OPENINGS IN STRUCTURAL STEEL MUST BE INDICATED ON STEEL SHOP DRAWINGS PRIOR TO FABRICATION.
- 9 PACK COLUMN AND BEAM BASE PLATES WITH NON-SHRINK GROUT AFTER BUILDING HAS BEEN ERECTED AND PLUMBED TO WITHIN AISC TOLERENCES AND BEFORE POURING OF ANY
- 10 COMPLY WITH ALL OSHA STANDARDS AND REGULATIONS WHEN ERECTING STRUCTURAL
- 11 BEAMS SHALL BE EQUALLY SPACED BETWEEN GRID LINES UNLESS NOTED OTHERWISE ON FRAMING PLANS.

### STEEL DECK NOTES

- 1 REFER TO DIVISION 05 OF THE PROJECT SPECIFICATIONS FOR ADDITIONAL STEEL DECK
- 2 REFER TO THE PROJECT "STATEMENT OF SPECIAL INSPECTIONS" FOR REQUIRED STEEL DECK TESTING AND INSPECTIONS.
- 3 STEEL DECK SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE STEEL DECK INSTITUTE SPECIFICAITON.
- 4 SUPPLY STEEL DECK IN MINIMUM LENGTHS AS REQUIRED TO PROVIDE A 3-SPAN

ALL OTHER ACCESSORIES NECESSARY TO COMPLETE INSTALLATION.

- 5 SUPPLY STEEL DECK WITH END CLOSURES, ROOF SUMPS, CLOSURES AT PENETRATIONS AND
- 6 POINT LOADS THAT EXCEED 50 POUNDS SHALL NOT BE SUPPORTED DIRECTLY ON OR HUNG DIRECTLY FROM STEEL ROOF DECK. SUPPORT ALL DUCTWORK, PIPING AND OTHER MEP AND ARCHITECTURAL ITEMS DIRECTLY FROM STRUCTURAL STEEL OR SUPPLEMENTAL STEEL FRAMING AS REQUIRED. HANGING LOADS LESS THAN 50 POUNDS SHALL BE SPACED A MINIMUM OF 36-INCHES APART AND CONNECTED USING AN APPROPRIATE ANCHORING
- 7 TOTAL AMOUNT OF LOADS HUNG FROM COMPOSITE METAL DECK FLOOR SLABS SHALL NOT EXCEED 400 POUNDS IN ANY 48-INCH WIDTH OF SLAB. SUPPORT LOADS EXCEEDING THIS AMOUNT DIRECTLY FROM STRUCTURAL STEEL OR SUPPLEMENTAL STEEL FRAMING.
- 8 COMPLY WITH ALL OSHA STANDARDS AND REGULATIONS WHEN ERECTING STEEL DECK.

### STEEL JOIST NOTES

- 1 REFER TO DIVISION 05 OF THE PROJECT SPECIFICATIONS FOR ADDITIONAL STEEL JOIST
- 2 REFER TO THE PROJECT "STATEMENT OF SPECIAL INSPECTIONS" FOR REQUIRED STEEL JOIST TESTING AND INSPECTIONS.
- 3 OPEN WEB JOISTS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE STEEL JOIST INSTITUTE SPECIFICATION.
- 4 JOISTS SHALL BE SUPPLIED WITH ALL ATTACHMENT DEVICES, BRIDGING AND SIMILAR ACCESSORIES REQUIRED FOR STRICT CONFORMANCE WITH THE STEEL JOIST INSTITUTE'S SPECIFICATIONS.
- 5 HORIZONTAL AND DIAGONAL JOIST BRIDGING SHALL BE SUPPLIED FOR ALL JOISTS. SIZE AND SPACING OF BRIDGING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STEEL JOIST INSTITUTE SPECIFICAITON.
- 6 HANGING AND SUPPORTED POINT LOADS ON STEEL JOISTS SHALL BE LOCATED AT JOIST PANEL POINTS UNLESS CHORD REINFORCING IS PROVIDED. DO NOT HANG LOADS GREATER THAN SHOWN ON THE CONTRACT DRAWINGS.
- 7 COMPLY MITH ALL OSHA STANDARDS AND REGULATIONS WHEN ERECTING STEEL JOISTS.
- 8 JOISTS SHALL BE EQUALLY SPACED BETWEEN GRID LINES UNLESS NOTED OTHERWISE ON FRAMING PLANS.

### STRUCTURAL DESIGN CRITERIA

NOTE: ALL LOADS SHALL BE DETERMINED IN ACCORDANCE WITH THE "2020 BUILDING CODE OF NEW YORK STATE."

TYPE	DESCRIPTION	DESIGN CRITERI
ROOF LIVE LOAD	ROOF CONSTRUCTION LOAD	20 P5F
	RISK CATEGORY / IMPORTANCE FACTOR	II / 1.0
	GROUND SNOW LOAD	50 PSF
SNOW LOAD	SNOW EXPOSURE FACTOR	1.0
	THERMAL FACTOR	1.0 / 1.2
	FLAT ROOF SNOW LOAD	35 PSF / 42 PSF
	DRIFTING SNOW	PER ASCE 7 AS REQ'D
	RISK CATEGORY	II
WIND LOAD (MWR5)	BASIC WIND SPEED (3-SECOND GUST)	115 MPH
, <del>.</del> .	WIND EXPOSURE CATEGORY	В
	INTERNAL PRESSURE COEFFICIENT	+/- 0.18
	MAXIMUM WIND PRESSURE	PER ASCE 7
WIND LOAD	MAXIMUM WIND PRESSURE FOR WALLS (EFF. AREA = 10 FT2)	PER ASCE 7
(COMPONENT & CLADDING)	MAXIMUM WIND PRESSURE FOR ROOFING (EFF. AREA = 10 FT2)	PER ASCE 7
	RISK CATEGORY / IMPORTANCE FACTOR	II / 1.0
	MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER (Ss)	O.164g
	DESIGN SPECTRAL RESPONSE COEFFICIENT (Sds)	O.143g
	MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER (S1)	0.045g
	DESIGN SPECTRAL RESPONSE COEFFICIENT (Sd1)	0.045g
EARTHQUAKE	SOIL SITE CLASSIFICATION	C (ASSUMED)
LOAD	SEISMIC DESIGN CATEGORY	A
	BASIC SEISMIC - FORCE RESISTING SYSTEM	
	RESPONSE MODIFICATION FACTOR (R)	
	SEISMIC RESPONSE COEFFICIENT (Cs)	N/A
	ANALYSIS PROCEDURE	
	DESIGN SEISMIC BASE SHEAR	
RAIN LOAD	RAIN INTENSITY (i)	2.5 IN/HR

### SPECIAL INSPECTION NOTES

- 1 REFER TO DIVISION O1 OF THE PROJECT SPECIFICATIONS FOR THE SCHEDULE OF SPECIAL INSPECTIONS AND ADDITIONAL SPECIAL INSPECTIONS REQUIREMENTS.
- 2 MATERIAL SPECIFICATION SECTIONS, THE SCHEDULE OF SPECIAL INSPECTIONS AND ALL ASSOCIATED NOTES DESCRIBE THE STRUCTURAL TESTING AND INSPECTIONS REQUIRED FOR THE PROJECT. COLLECTIVELY THEY SHALL BE CONSIDERED THE STATEMENT OF SPECIAL INSPECTIONS.
- 3 THE OWNER SHALL ENGAGE THE SERVICES OF A QUALIFIED SPECIAL INSPECTOR FOR THIS PROJECT. SIRACUSE ENGINEERS, PC IS NOT THE SPECIAL INSPECTOR FOR THIS PROJECT UNLESS ENGAGED BY THE OWNER UNDER A SEPARATE CONTRACT.
- 4 THE CONTRACTOR SHALL HOLD A PRE-CONSTRUCTION MEETING PRIOR TO THE START OF CONSTRUCTION TO DISCUSS THE REQUIRED TESTING AND INSPECTION PROCEDURES FOR THIS PROJECT. THE MEETING SHALL ALSO DISCUSS NOTIFICATION AND REPORTING PROCEDURES.
- 5 THE CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTOR AND TESTING AGENCY AT LEAST 24 HOURS IN ADVANCE OF A REQUIRED INSPECTION OR TEST. UN-INSPECTED WORK THAT REQUIRES INSPECTION OR TESTING MAY BE REJECTED SOLELY ON THAT BASIS.
- 6 THE SPECIAL INSPECTOR AND/OR TESTING AGENCY SHALL IMMEDIATELY NOTIFY THE CONTRACTOR OF DEFICIENT WORK THAT REQUIRES CORRECTIVE ACTION. INSPECTION REPORTS FOR THIS WORK SHALL NOTE WHEN AND HOW THE DEFICIENT WORK WAS CORRECTED. WORK IMMEDIATELY CORRECTED WITH SPECIAL INSPECTOR OR TESTING AGENCY PRESENT AND RE-INSPECTED OR TESTED NEED NOT BE IDENTIFIED AS NON-CONFORMING WORK.
- 7 DEFICIENT WORK, NOT IMMEDIATELY CORRECTED WHILE SPECIAL INSPECTOR OR TESTING AGENCY ARE ON SITE, SHALL BE REPORTED TO THE ENGINEER OF RECORD AND CODE ENFORCEMENT OFFICIAL WITHIN 24 HOURS. A REPORT OF NON-CONFORMANCE SHALL BE ISSUED FOR THIS WORK.
- 8 THE CONTRACTOR SHALL COOPERATE WITH THE SPECIAL INSPECTOR AND TESTING AGENCY INCLUDING SAFE ACCESS TO THE WORK AREAS SO THAT TESTING AND INSPECTIONS CAN BE PERFORMED IN A TIMELY MANNER OR UNDUE DELAY TO THE PROJECT.
- 9 THE SPECIAL INSPECTIONS REQUIREMENTS OF THIS PROJECT IN NO WAY RELIEVE THE CONTRACTOR OF HIS/HER OBLIGATION TO PERFORM WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS OR FROM IMPLEMENTING AN EFFECTIVE QUALITY CONTROL PROGRAM.
- 10 EACH TESTING AGENCY SHALL SUBMIT, STAMP AND SIGN AN AGENT'S FINAL REPORT TO THE SPECIAL INSPECTOR FOR ATTACHMENT TO THE SPECIAL INSPECTOR'S FINAL REPORT. THE FINAL REPORT SHALL BE STAMPED AND SIGNED BY THE SPECIAL INSPECTOR AND SUBMITTED TO THE CODE ENFORCEMENT OFFICIAL AND OWNER PRIOR TO THE ISSUANCE OF A CERTIFICATE OF USE AND OCCUPANCY.

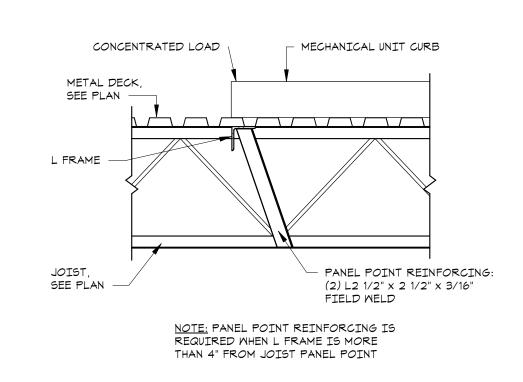




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### TYPICAL BLOCKING AT RTU FRAME DETAIL



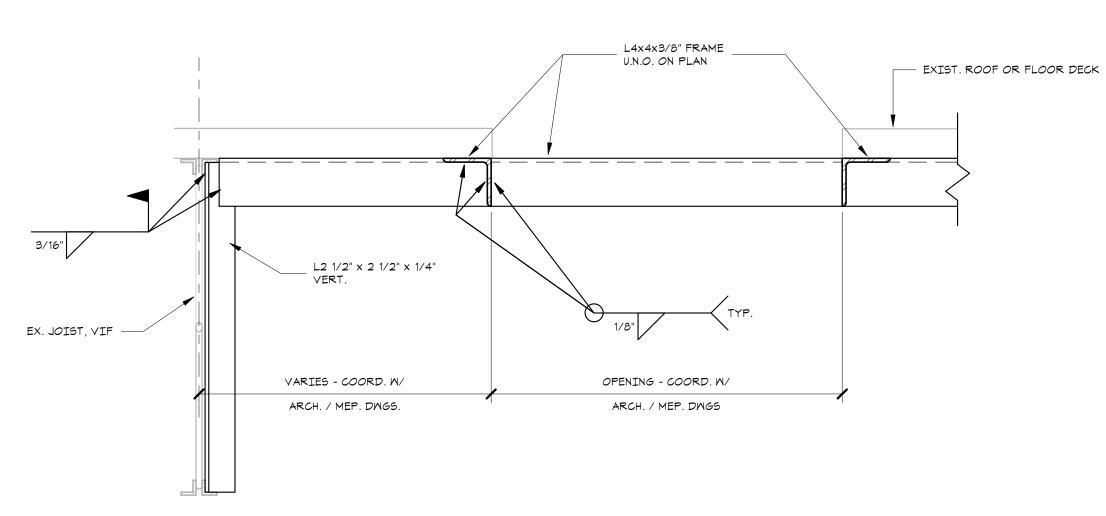
### INTERIOR LINTEL SCHEDULE

SCHEDULE APPLIES TO ALL OPENINGS REQ'D IN NON-LOAD BEARING NALLS INCLUDING OPENINGS REQUIRED FOR MECHANICAL PENETRATIONS

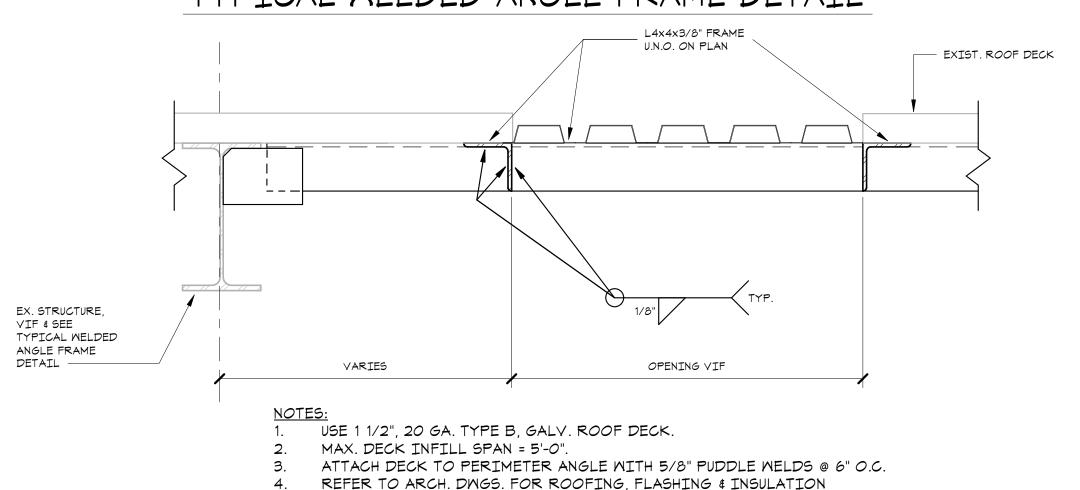
THICKNESS OF MASONRY WALL	CLEAR OPENING	SIZE OF LINTEL	
4" MASONRY	UP TO 9'-0"	PL 3/8 x 4 5/16 4e12 8° e ENDS	
4 MAJONNI	9'-0" TO 12'-0"	PL 1/2 x 6 5/16 4e12 12" e END5	
6" MASONRY	UP TO 9'-0"	PL 3/8 x 6 5/16 4e12 8" e ENDS	
o MASONICI	9'-0" TO 12'-0"	PL 1/2 x ô 5/16 4e12 12* e END5	
	UP TO 5'-0"	2L's 4 x 3 1/2 x 5/16	
8" MASONRY	5'-0" TO 7'-6"	2L's 5 x 3 1/2 x 5/16	
	7'-6" TO 9'-0"	2L's 6 x 3 1/2 x 5/16	
	UP TO 5'-0"	3L's 4 x 3 x 5/16	
10" MASONRY	5'-0" TO 7'-6"	3L's 5 x 3 x 5/16	
	7'-6" TO 9'-0"	3L's 6 x 3 x 5/16	
	UP TO 5'-0"	3L's 4 x 3 1/2 x 5/16	
12" MASONRY	5'-0" TO 7'-6"	3L's 5 x 3 1/2 x 5/16	
	7'-6" TO 9'-0"	3L's 6 x 3 1/2 x 5/16	
LINTELS TO BEAR 8" MIN. AT EACH END.			

NOTE: LINTELS FOR OPENINGS EXCEEDING 6'-0" TO BE SHORED AT 1/3 POINTS FOR 72 HOURS AFTER SETTING MASONRY.

### TYPICAL JOIST REINFORCING @ MECHANICAL UNIT DETAIL



### TYPICAL WELDED ANGLE FRAME DETAIL



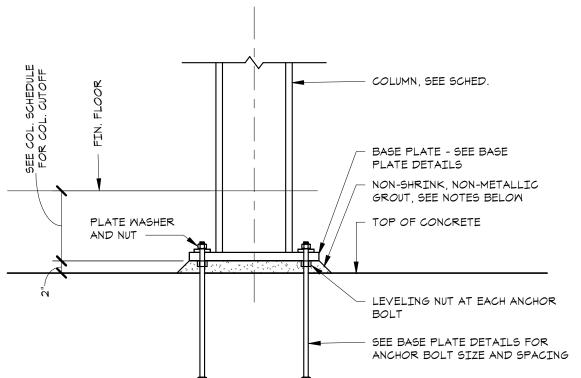
### TYPICAL WELDED ANGLE FRAME AT DECK INFILL

REQUIREMENTS.

#### REINFORCING BAR EMBEDMENT / LAP SPLICE SCHEDULE CONCRETE COVER > 1 1/2" CONCRETE COVER < 1 1/2" OTHER BARS TOP BARS OTHER BARS BAR SIZE 3,000 psi 4,000 psi 3,000 psi 4,000 psi 3,000 psi 4,000 psi 3,000 psi 4,000 psi EMBED. EMBED. LAP LAP LAP 22" 28" 22" 23" 15" 20" 12" 22" 22" 20" 90" 53" 60" 43" 28" 135" 90" 57" 66"

#### NOTES:

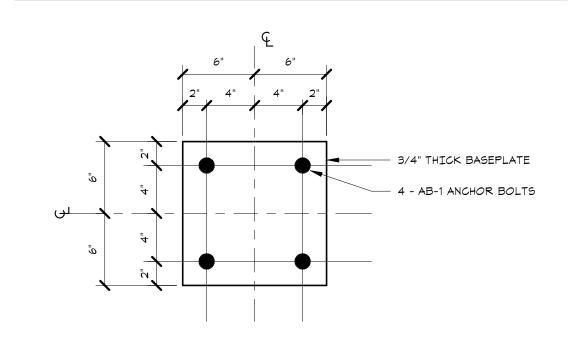
- TOP BARS ARE THOSE WHICH ARE ORIENTED HORIZONTALLY AND HAVE MORE THAN 12" OF CONCRETE BELOW THE BAR.
- 2.) EMBEDMENT AND LAP SPLICE LENGTHS SHOWN ARE APPLICABLE TO ASTM A615 GR. 60 REINFORCING BARS. FOR GR. 75 REINFORCING BARS, MULTIPLY LENGTHS BY 1.25.
- TABULATED VALUES ARE BASED ON CONCRETE COVER CONTROLLING. FOR BARS WITH CENTER-TO-CENTER SPACING LESS THAN 1.0Db (BAR DIAMETER) PLUS TWICE THE CONCRETE COVER, NOTIFY THE ENGINEER.
- WHERE CONCRETE DEPTH PRECLUDES FULL EMBEDMENT, PROVIDE 90 DEGREE HOOK.
- PROVIDE CONCRETE PROTECTION FOR REINFORCEMENT AS DESCRIBED IN ACI 318, CHAPTER 7.
- 6.) TABULATED VALUES ARE BASED ON NORMAL MEIGHT AGGREGATE. FOR LIGHTMEIGHT AGGREGATE, MULTIPLY LENGTHS BY 1.33.

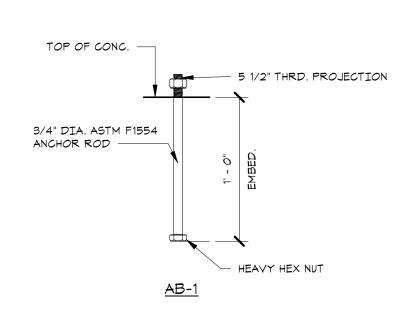


	ANCHOR BOLT HOLE & WASHER SIZE SCHEDULE				
ANCHOR BOLT SIZE	MAX. BASEPLATE HOLE SIZE	MIN. WASHER SIZE			
3/4" DIA.	1 5/16" DIA.	2" DIA. x 1/4"			
7/8" DIA.	1 9/16" DIA.	2 1/2" DIA. x 5/16"			
1" DIA.	1 13/16" DIA.	3" DIA. × 3/8"			
1 1/4" DIA.	2 1/16" DIA.	3" DIA. x 1/2"			
1 1/2" DIA.	2 5/16" DIA.	3 1/2" DIA. x 1/2"			
1 3/4" DIA.	2 3/4" DIA.	4 DIA. x 5/8"			
2" DIA.	3 1/4" DIA.	5" DIA. x 3/4"			
2 1/2" DIA.	3 3/4" DIA.	5 1/2" DIA. x 7/8"			

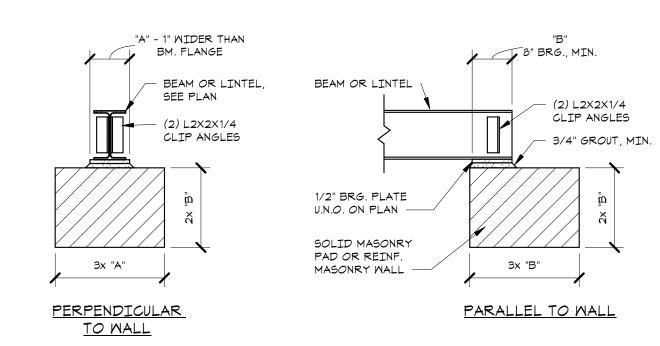
- 1.) SET COLUMN PLUMB ADJUST LEVELING NUTS AS REQUIRED
- 2.) IF CLEARANCE IS INSUFFICIENT FOR ADJUSTMENT OF NUTS, SUPPORT BASEPLATE WITH STEEL SHIMS.
- 3.) DRY-PACK BELOW BASE PLATE WITH NON-SHRINK, NON-METALLIC GROUT

### TYPICAL COLUMN BASE DETAIL

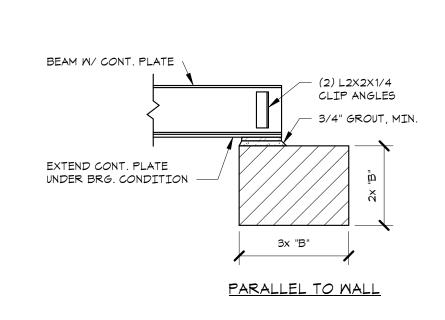




### BASE PLATE DETAIL



### ANCHOR BOLT DETAIL

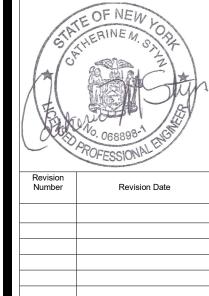


NOTE: DO NOT WELD BEAM TO BEARING PLATE, TYPICAL

TYPICAL WALL BEARING DETAILS



COUNTY

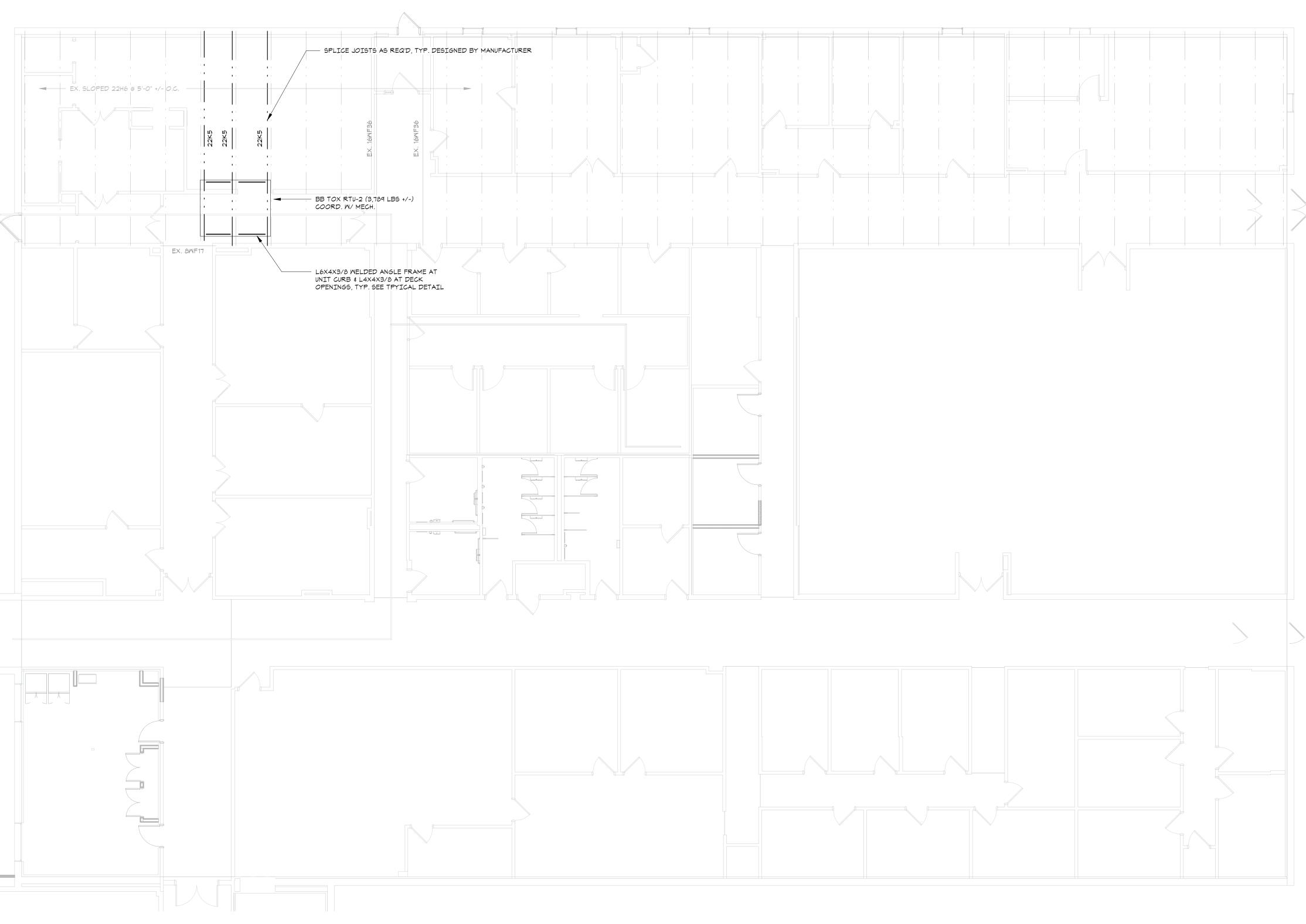


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### PARTIAL ROOF FRAMING PLAN - BB



NOTES

. CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD. IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND.

- 2. EXISTING ROOF ELEVATIONS SHALL BE VERIFIED IN FIELD.
- TOP OF STEEL SHALL MATCH EXISTING TOP OF STEEL ELEVATION AND SLOPE. EXISTING TOP OF STEEL ELEVATIONS SHALL BE VERIFIED IN FIELD, UNLESS NOTED OTHERWISE ON PLAN. INSTALL NEW MEMBERS TIGHT TO UNDERSIDE OF DECK, PROVIDE NON-SHRINK GROUT AS
- 4. COORDINATE RTU WEIGHTS AND DIMENSIONS WITH EQUIPMENT MANUFACTURER. IMMEDIATELY NOTIFY ENGINEER IF ACTUAL WEIGHTS ARE GREATER THAN WEIGHTS SHOWN ON S DRAWINGS.
- 5. STEEL SHALL NOT BE FABRICATED UNTIL EXISTING FIELD CONDITIONS & DIMENSIONS ARE VERIFIED AND ALL EQUIPMENT SUPPLY, LOCATIONS & DIMENSIONS ARE COORDINATED WITH EQUIPMENT SUPPLIER.
- 6. DO NOT SUPPORT MECHANICAL EQUIPMENT ON ROOF DECK.
- 7. REFER TO ARCHITECTURAL & HVAC DRAWINGS DRAWINGS FOR ROOF OPENINGS & ROOF TOP EQUIPMENT LOCATIONS.
- 8. REINFORCE JOISTS AT HVAC SUPPORT ANGLE FRAMES AS SHOWN ON TYPICAL JOIST REINFORCING @ MECHANICAL UNIT DETAIL
- THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING, PROVIDING AND INSTALLING ALL TEMPORARY SHORING THAT IS REQUIRED DURING CONSTRUCTION. PROVIDE BRACING AND PROTECTION OF EXISTING CONSTRUCTION AS REQUIRED.
- 10. CONTRACTOR MUST IDENTIFY ALL PIPING, CONDUIT, AND ADDITIONAL MEP ITEMS IN THE AREA OF WORK. REMOVE ALL ITEMS THAT INTERFERE WITH WORK. PROVIDE TEMPORARY SERVICE AS REQUIRED BY OWNER. REINSTATE AND RESUPPORT ALL ITEMS AS REQUIRED BY OWNER.
- 11. SEE DRAWINGS 5001 5002 FOR GENERAL NOTES, SYMBOLS, ABBREVIATIONS & TYPICAL DETAILS TO BE INCORPORATED INTO THE WORK.



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Revision Number

Revision Date

Revision Number Revision Date

Scale: AS NOTED

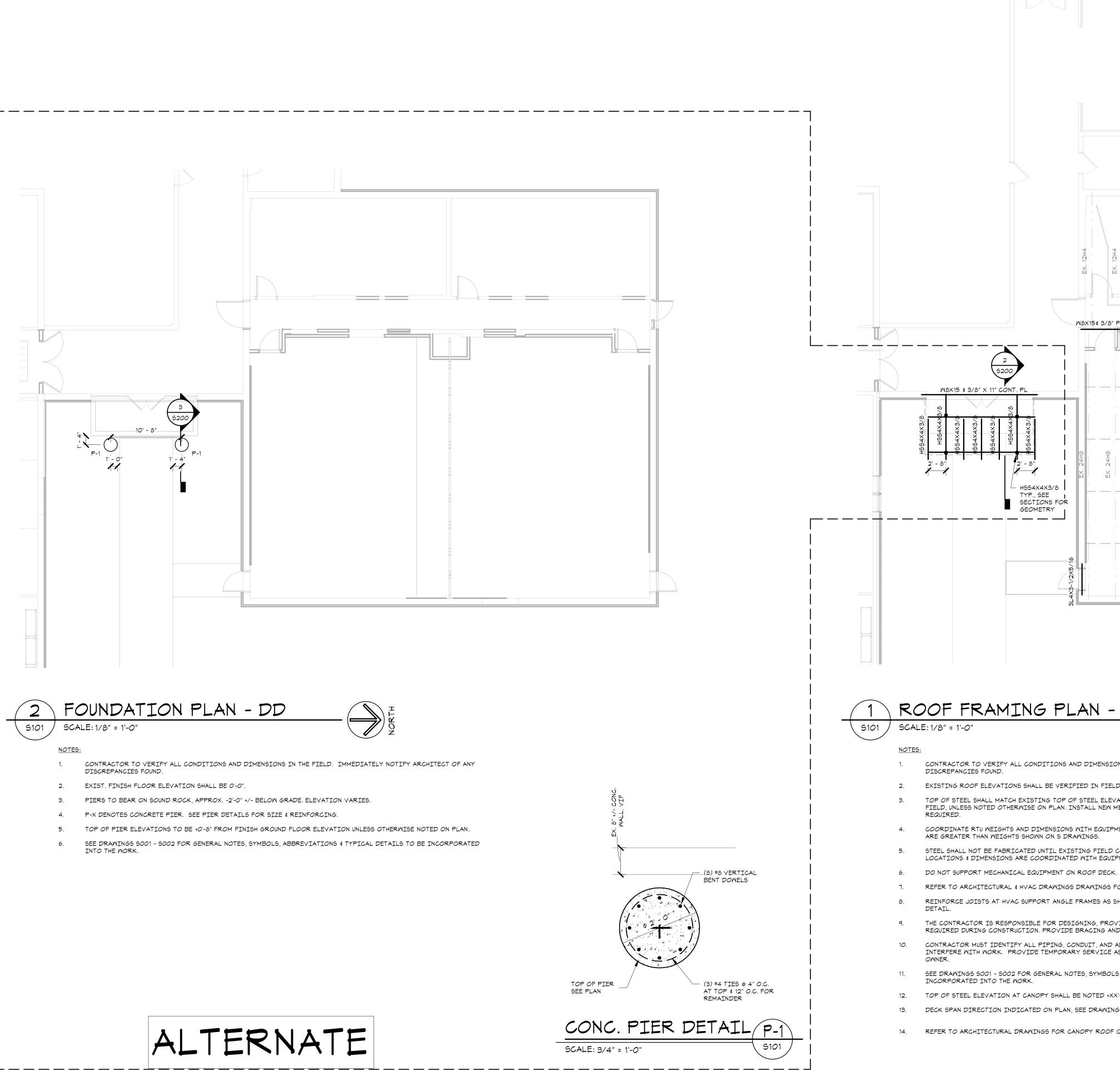
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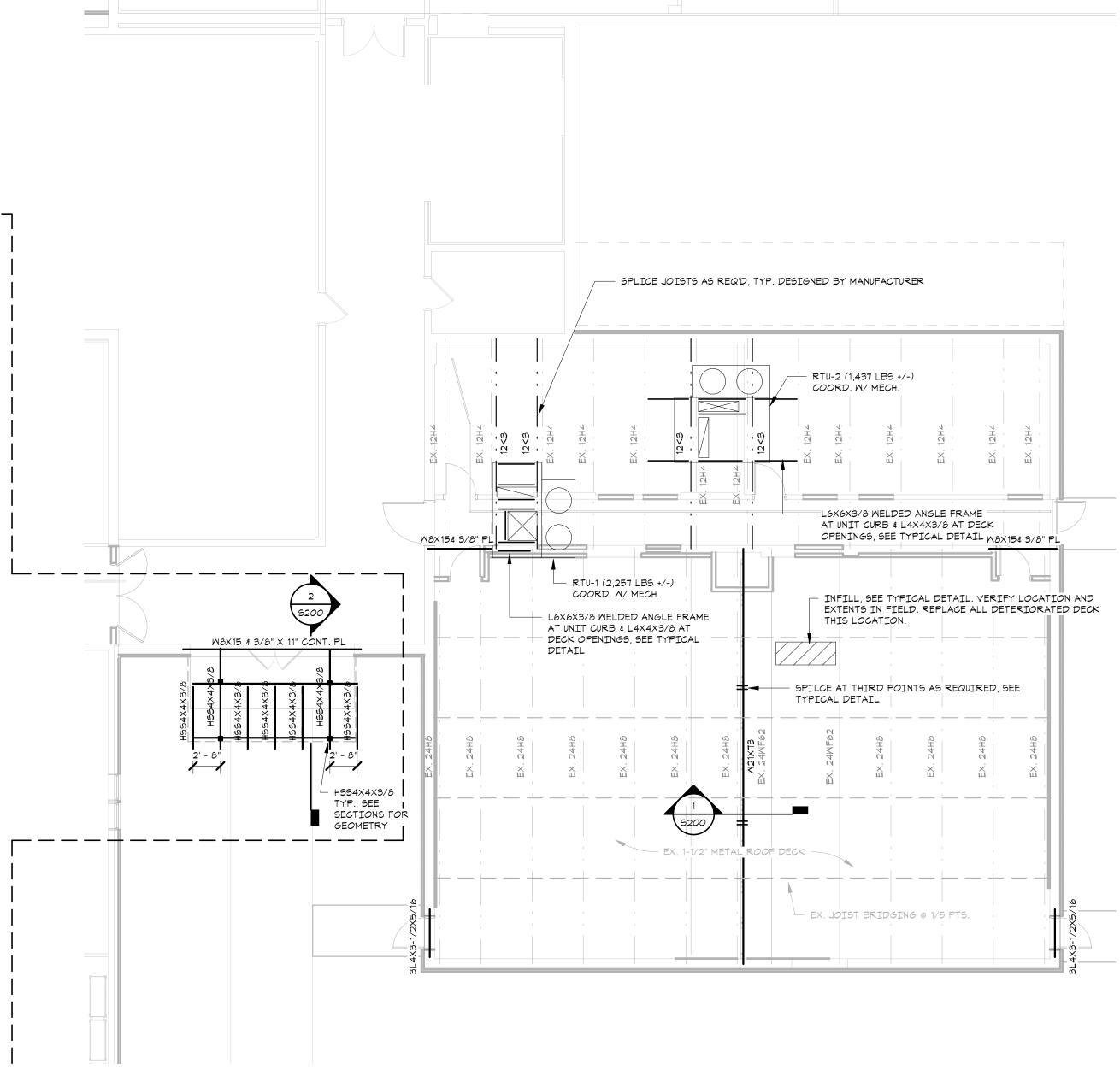
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01/24/2023 SC

Drawn By: Checked By:
CM

2021-885-01

**S10** 







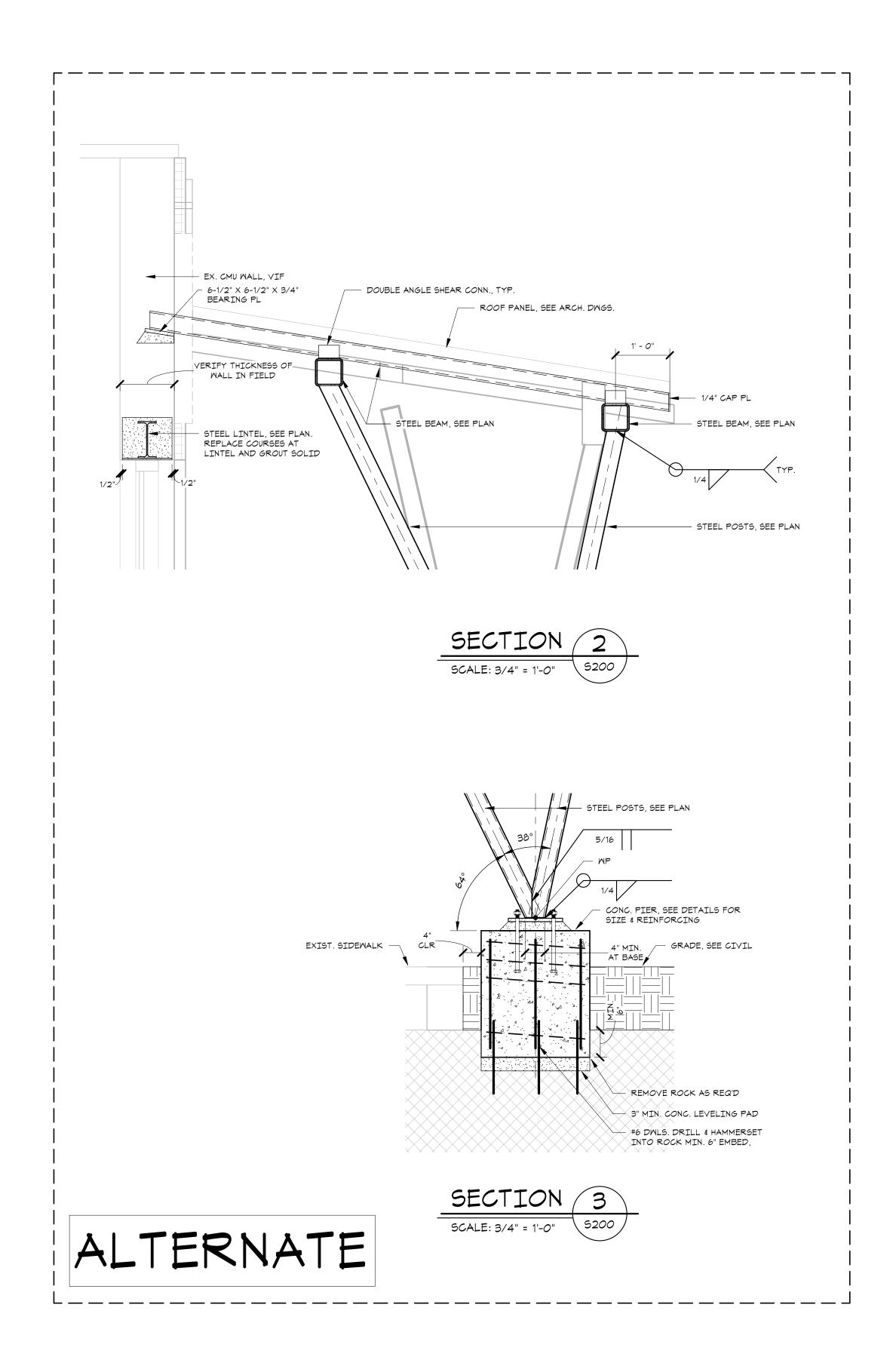
- CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD. IMMEDIATELY NOTIFY ARCHITECT OF ANY
- 2. EXISTING ROOF ELEVATIONS SHALL BE VERIFIED IN FIELD.
- TOP OF STEEL SHALL MATCH EXISTING TOP OF STEEL ELEVATION AND SLOPE. EXISTING TOP OF STEEL ELEVATIONS SHALL BE VERIFIED IN FIELD, UNLESS NOTED OTHERWISE ON PLAN. INSTALL NEW MEMBERS TIGHT TO UNDERSIDE OF DECK, PROVIDE NON-SHRINK GROUT AS
- COORDINATE RTU WEIGHTS AND DIMENSIONS WITH EQUIPMENT MANUFACTURER. IMMEDIATELY NOTIFY ENGINEER IF ACTUAL WEIGHTS ARE GREATER THAN MEIGHTS SHOWN ON S DRAWINGS.
- STEEL SHALL NOT BE FABRICATED UNTIL EXISTING FIELD CONDITIONS & DIMENSIONS ARE VERIFIED AND ALL EQUIPMENT SUPPLY, LOCATIONS & DIMENSIONS ARE COORDINATED WITH EQUIPMENT SUPPLIER.
- REFER TO ARCHITECTURAL & HVAC DRAWINGS DRAWINGS FOR ROOF OPENINGS & ROOF TOP EQUIPMENT LOCATIONS.
- REINFORCE JOISTS AT HVAC SUPPORT ANGLE FRAMES AS SHOWN ON TYPICAL JOIST REINFORCING @ MECHANICAL UNIT
- THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING, PROVIDING AND INSTALLING ALL TEMPORARY SHORING THAT IS REQUIRED DURING CONSTRUCTION. PROVIDE BRACING AND PROTECTION OF EXISTING CONSTRUCTION AS REQUIRED.
- CONTRACTOR MUST IDENTIFY ALL PIPING, CONDUIT, AND ADDITIONAL MEP ITEMS IN THE AREA OF WORK. REMOVE ALL ITEMS THAT INTERFERE WITH WORK. PROVIDE TEMPORARY SERVICE AS REQUIRED BY OWNER. REINSTATE AND RESUPPORT ALL ITEMS AS REQUIRED BY
- SEE DRAWINGS 5001 5002 FOR GENERAL NOTES, SYMBOLS, ABBREVIATIONS & TYPICAL DETAILS TO BE
- 12. TOP OF STEEL ELEVATION AT CANOPY SHALL BE NOTED +XX'-X" FROM FINISH FIRST FLOOR ELEVATION, 0'-O",
- DECK SPAN DIRECTION INDICATED ON PLAN, SEE DRAWING SOO1 FOR SYMBOLS.
- 14. REFER TO ARCHITECTURAL DRAWINGS FOR CANOPY ROOF CONSTRUCTION.

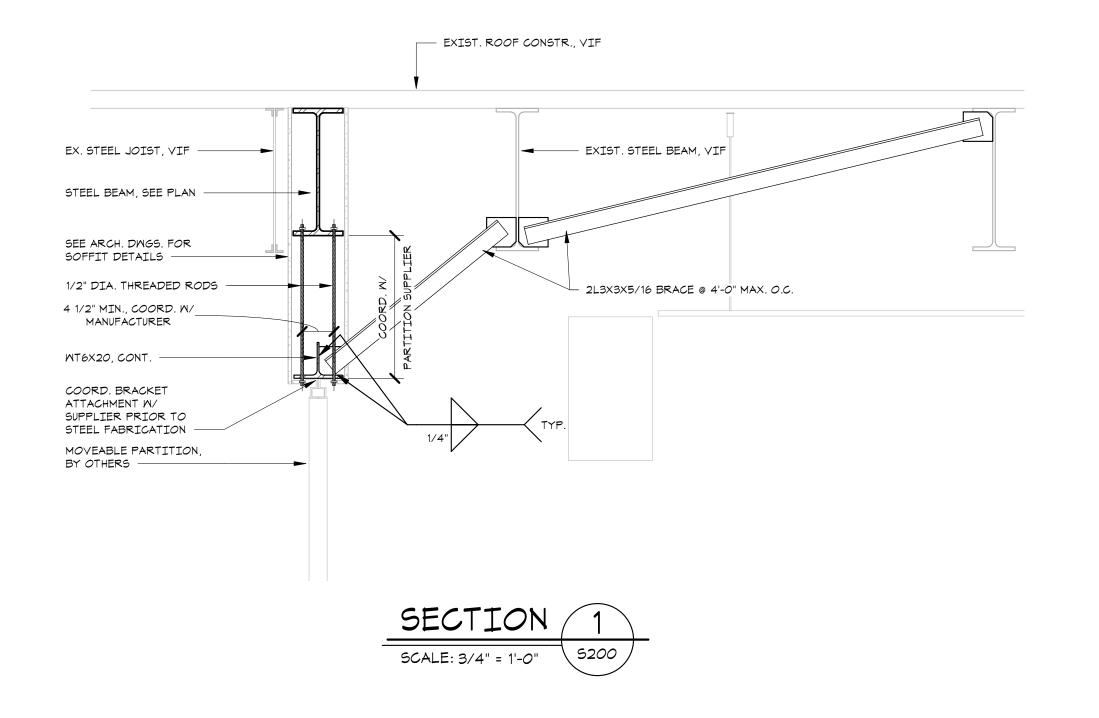


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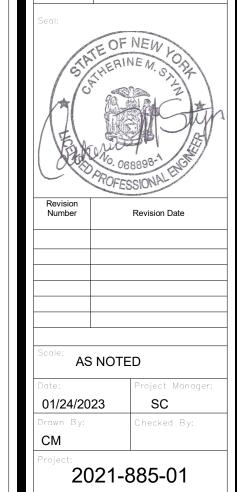
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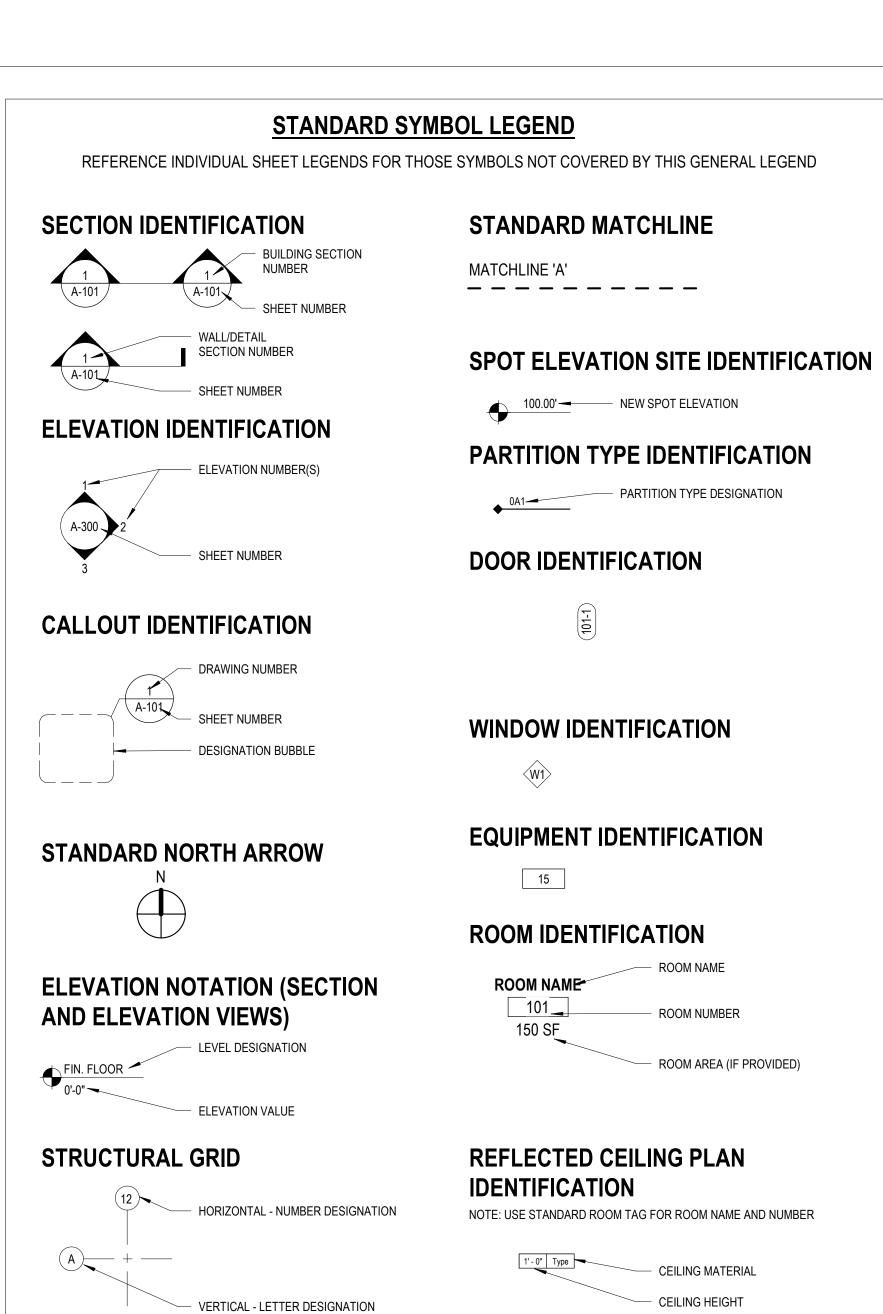




RENOVATIONS - PI



**S200** 

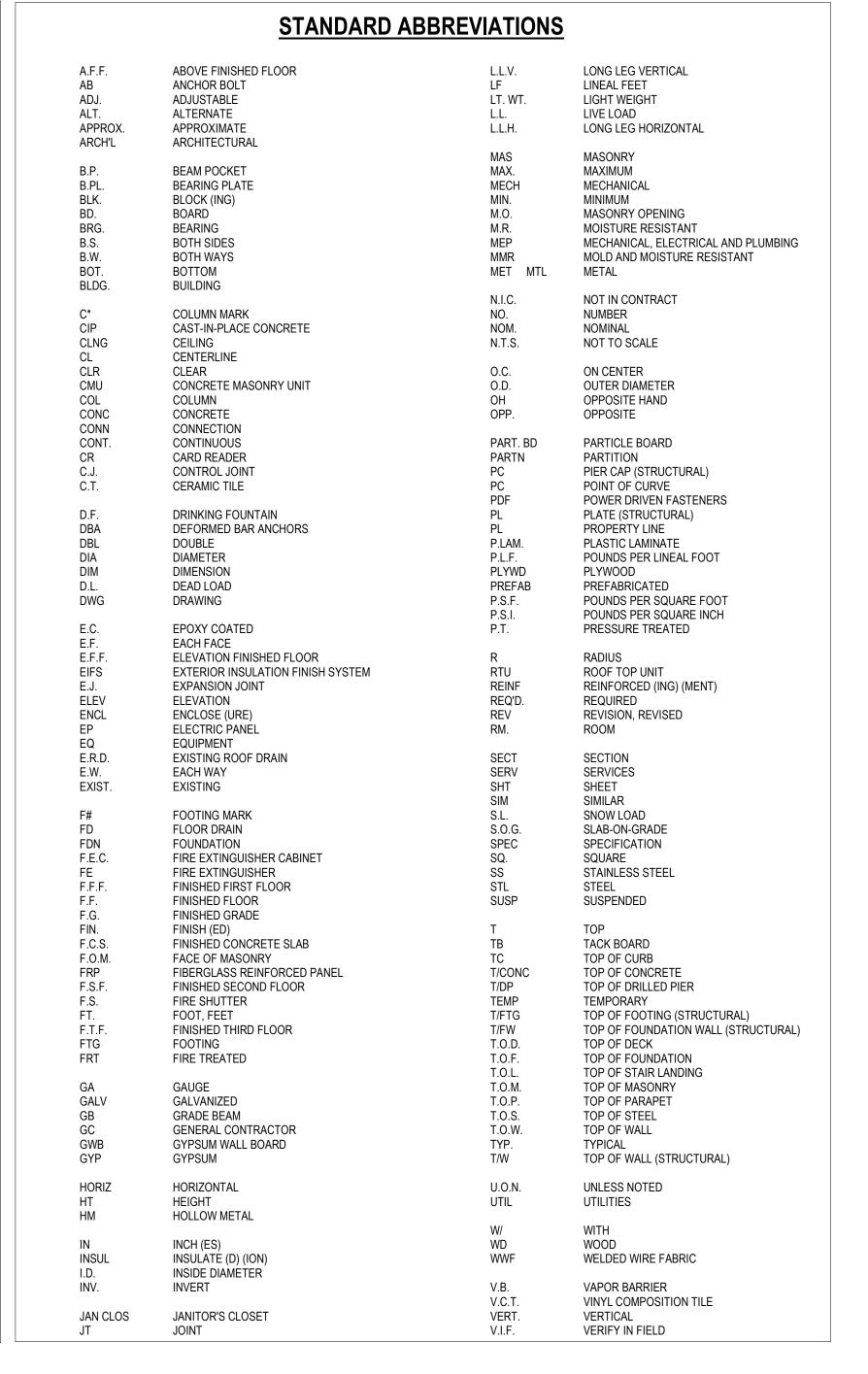


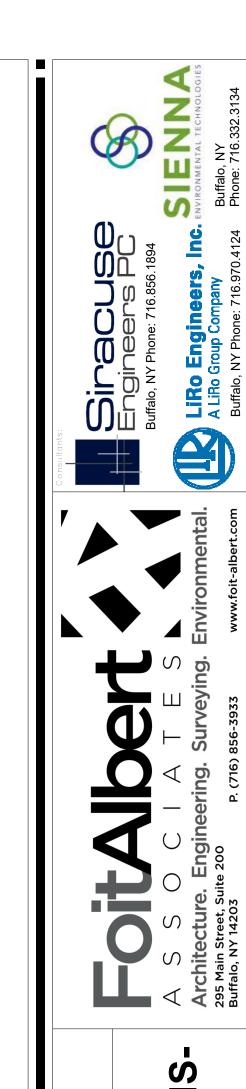
**WORK POINT IDENTIFICATION** 

WORK POINT NUMBER

**DRAWING REVISION** 

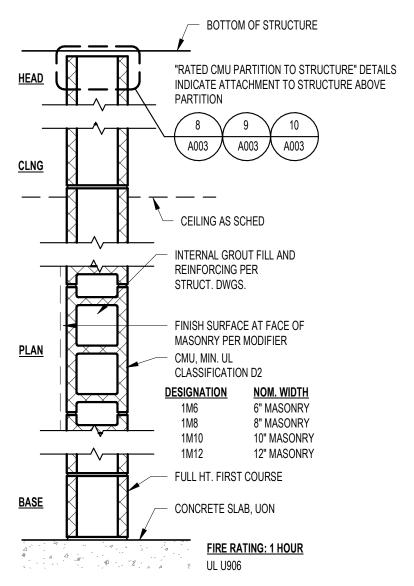
REVISION NUMBER



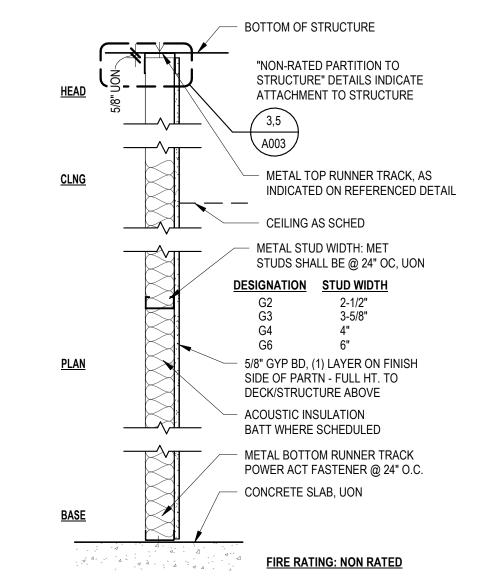


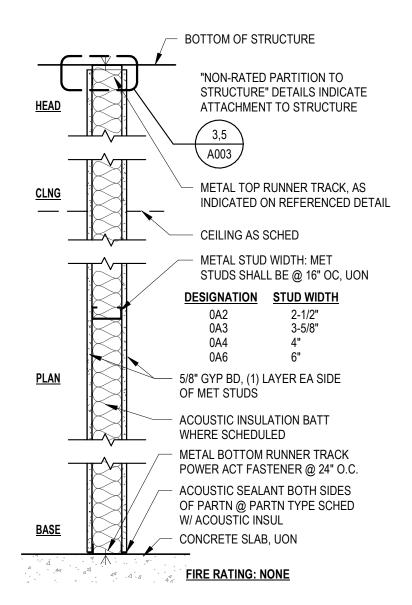


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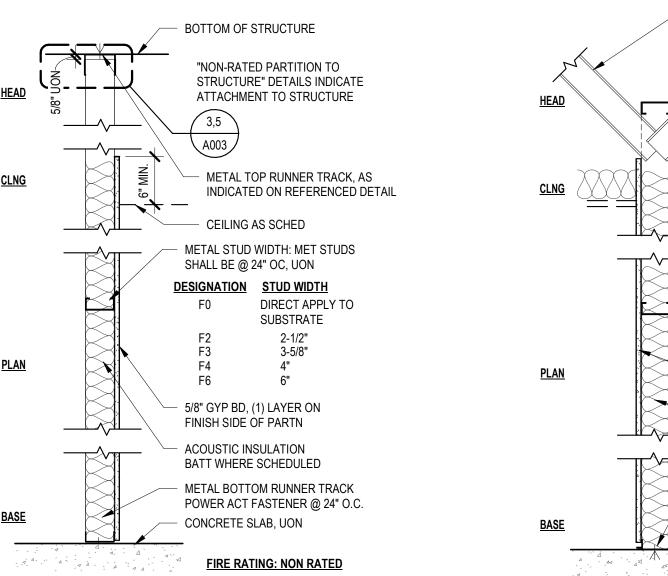
1" = 1'-0"



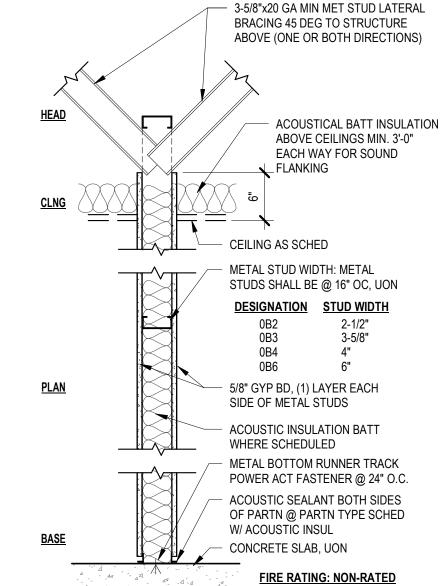


TYPE 1M - MASONRY WALL - 1 HR. RTD

TYPE 0A -FULL HT. MTL. STUD PARTN TYPE 0G - FULL HEIGHT FURRING







TYPE 0B - PART. HT. NON-RATED PARTN.

### PARTITION TYPE GENERAL NOTES

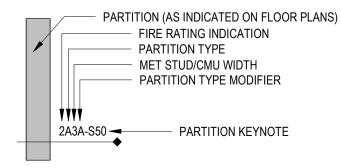
- 1. THE "PARTITION TYPE TAG", ILLUSTRATED BELOW, INDICATES THE ASSEMBLY OF THE COMPLETE EXTENT OF EACH PARTITION INDICATED BY THE TAG ON THE FLOOR PLANS, AND OTHER DRAWINGS IN THE PROJECT DOCUMENTS.
- REFER TO PARTITION TYPE DETAILS INDICATED BY THE "PARTITION TYPE" CHARACTER ON THE TAG
- EXAMPLE: PARTITION TAG ID "A" = REFERENCE TO DETAIL "TYPE A". REFER TO THE "FIRE RATING LEGEND" BELOW FOR THE FIRE-RESISTANCE CLASSIFICATION NOTED BY THE
- "FIRE RATING IDENTIFICATION" ON THE TAG • EXAMPLE: "1" = 60 MIN FIRE-RESISTANCE RATED PARTITION ASSEMBLY.
- 4. THE "METAL STUD/CMU NOM WIDTH" CHARACTER ON THE TAG, AND AS SHOWN ON PARTITION TYPE DETAILS, INDICATES THE METAL STUD OR CMU NOM WIDTH EXAMPLE: "2" = 12 INCH CMU WALL THICKNESS, NOM.
- 5. THE "PARTITION TYPE MODIFIER" CHARACTERS REFER TO THE "PARTITION TYPE MODIFIER" NOTES SHOWN BELOW, WHICH APPLY TO THE COMPLETE EXTENT OF EACH PARTITION WHERE SO TAGGED.
- EXAMPLE: 'A' FOR INSULATION AS DESCRIBED IN THE MODIFIER. 6. THE "PARTITION KEYNOTE" CHARACTERS REFER TO NOTES SHOWN ON DRAWING KEYNOTE LEGENDS, WHICH APPLY TO THE COMPLETE EXTENT OF EACH PARTITION SO TAGGED.

### EXAMPLE, "S50" = PARTITION SHALL COMPLY WITH SOUND TRANSMISSION CLASS LEVEL STC-50.

**GENERAL NOTES - IBC SEISMIC CATEGORY A-C:** A. ALL CMU PARTN TYPES SHALL COMPLY WITH PARTITION TYPE GENERAL NOTES, AND "CMU LINTEL

SCHEDULE" FOR MIN CMU REINFORCING AND LIMITING LINTEL SPANS. B. ALL CMU PARTN TYPES SHALL COMPLY WITH PARTITION TYPE GENERAL NOTES, AND REINFORCING AS INDICATED ON THE STRUCTURAL DRAWINGS, UON.

### **PARTITION TYPE TAG**



#### PARTITION TYPE MODIFIERS

THE FOLLOWING NOTES APPLY TO THE FULL EXTENT OF EACH PARTITION, WHERE "PARTITION TYPE MODIFIER" CHARACTER(S) ARE SHOWN ON THE TAG:

- A. PROVIDE THERMAL INSULATION BATT FULL HEIGHT IN EACH STUD CAVITY, AS SPECIFIED.
- B. PROVIDE RIGID INSULATION FULL HEIGHT OF WALL ON ONE SIDE, AS SPECIFIED.
- C. PROVIDE PARTN TYPE AS SCHED, WITH MIN 20 GA MET STUDS @ 16" OC D. PROVIDE PARTN TYPE AS SCHED, WITH MIN 18 GA MET STUDS @ 16" OC
- E. PROVIDE PARTN TYPE AS SCHED, WITH MIN 16 GA MET STUDS @ 16" OC
- PROVIDE (1) LAYER 5/8" WR GYP BD IN PLACE OF THE OUTSIDE LAYER OF GYP BD ON SCHED PARTN TYPE, MOUNT ON EACH FACE OF THE PARTN EXPOSED TO MOISTURE - EXTEND FULL HT OF PARTN UON, PROVIDE ACOUSTIC BATT INSUL FULL DEPTH OF EACH METAL STUD CAVITY.
- G. PROVIDE (1) LAYER OF 5/8" CEMENT BD IN PLACE OF THE OUTSIDE LAYER OF GYP BD ON THE SCHED PARTN TYPE, MOUNT ON EACH FACE OF PARTN INDICATED W/ CERAMIC TILE OR OTHER FINISH. PROVIDE ACOUSTIC
- BATT INSUL FULL DEPTH OF EACH METAL STUD CAVITY. H. ADD CEMENTITIOUS BACKER BOARD AT A HEIGHT OF 4'-0" AFF TO MATCH TILE INSTALLATION.

### FIRE RATING LEGEND

THE COMPLETE ASSEMBLY OF EACH PARTITION WITH A FIRE RATING INDICATION SYMBOL SHOWN ON THE TAG, SHALL COMPLY WITH ALL REQUIREMENTS OF THE FIRE-RESISTANCE RATING CLASSIFICATION: SYMBOL RATING CLASSIFICATION

- <OMITTED> NON-RATED PARTITION, UON 1 60 MIN FIRE-RESISTANCE RATED FIRE PARTITION
- 60 MIN FIRE-RESISTANCE RATED & SMOKE BARRIER PARTITION
- 120 MIN FIRE-RESISTANCE RATED FIRE BARRIER 180 MIN FIRE-RESISTANCE RATED FIRE BARRIER
- 240 MIN FIRE-RESISTANCE RATED FIRE BARRIER

### **PARTITION KEYNOTES**

THE FOLLOWING NOTES APPLY TO THE FULL EXTENT OF EACH PARTN, WHERE "PARTITION KEYNOTE" CHARACTER(S) ARE SHOWN ON THE TAG:

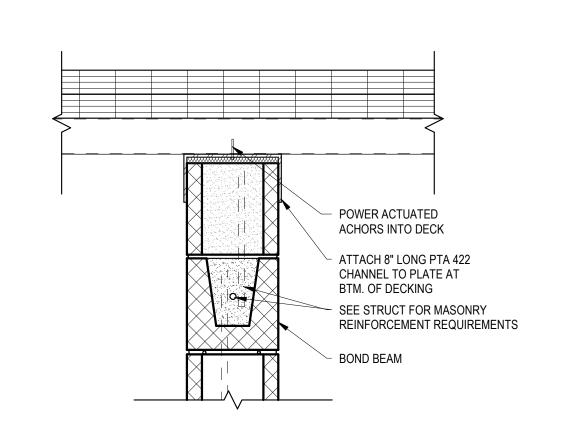
S-- KEYNOTE "S" INDICATES THE COMPLETE PARTN ASSEMBLY SHALL COMPLY WITH THE SOUND TRANSMISSION CLASS LEVEL AS INDICATED - FOR EXAMPLE, S50 = STC 50.

\* - STUDS FOR FURRED PARTITIONS WHICH EXCEED 12'-0" HEIGHT REQUIRED MID-HEIGHT BRACE TO ADJACENT

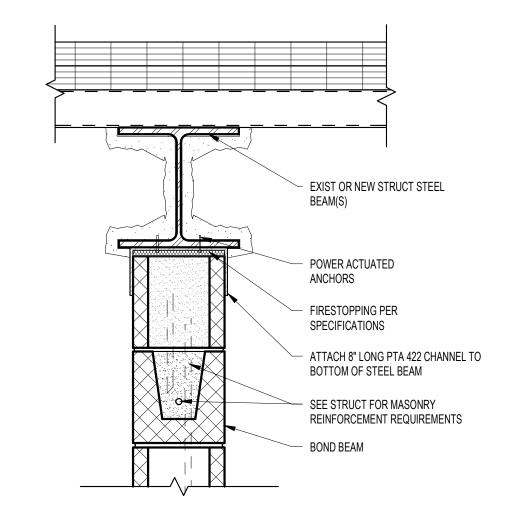


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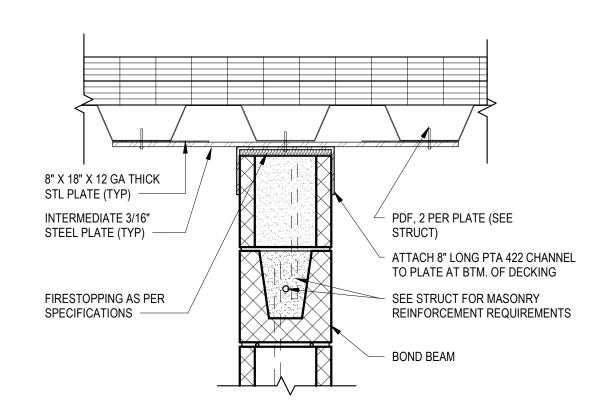
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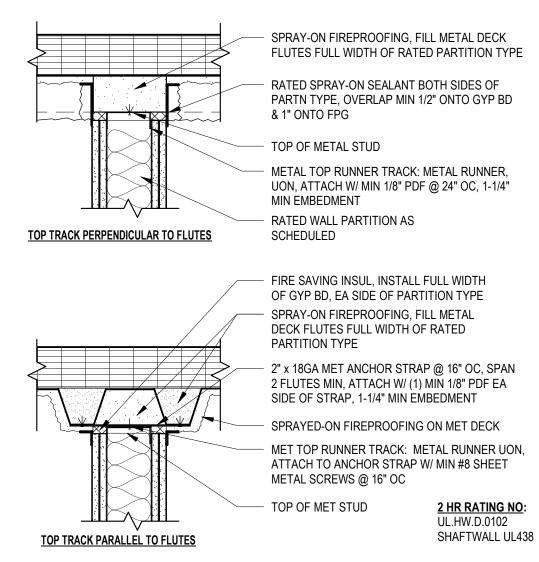
# TYP. CMU PARTN. HEAD PURP. TO DECK



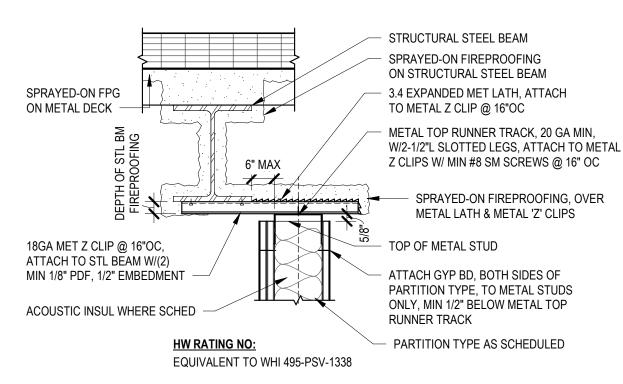
# 7 TYP. CMU PARTN. HEAD @ STEEL A003 1 1/2" = 1'-0"



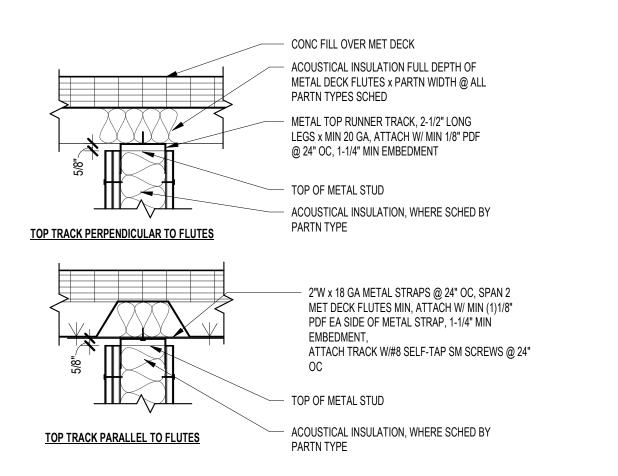
TYP. CMU PARTN - PARALLEL TO STL DECK



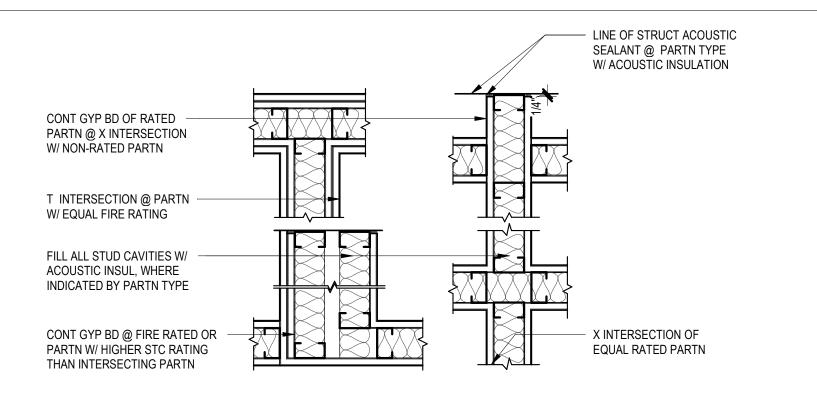
# TYP. RATED WALL TO MTL. DECK



# TYP. NON-RATED PARTN. TO STL BEAM 1 1/2" = 1'-0"



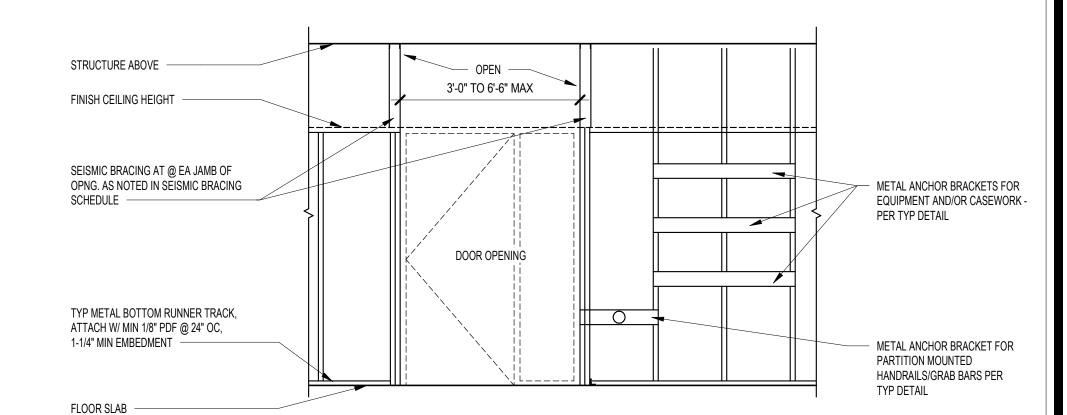
# TYP. PARTN. TO MTL. DECK - NON-RATED 1 1/2" = 1'-0"



### TYP. PARTITION INTERSECTIONS

\ A003 /

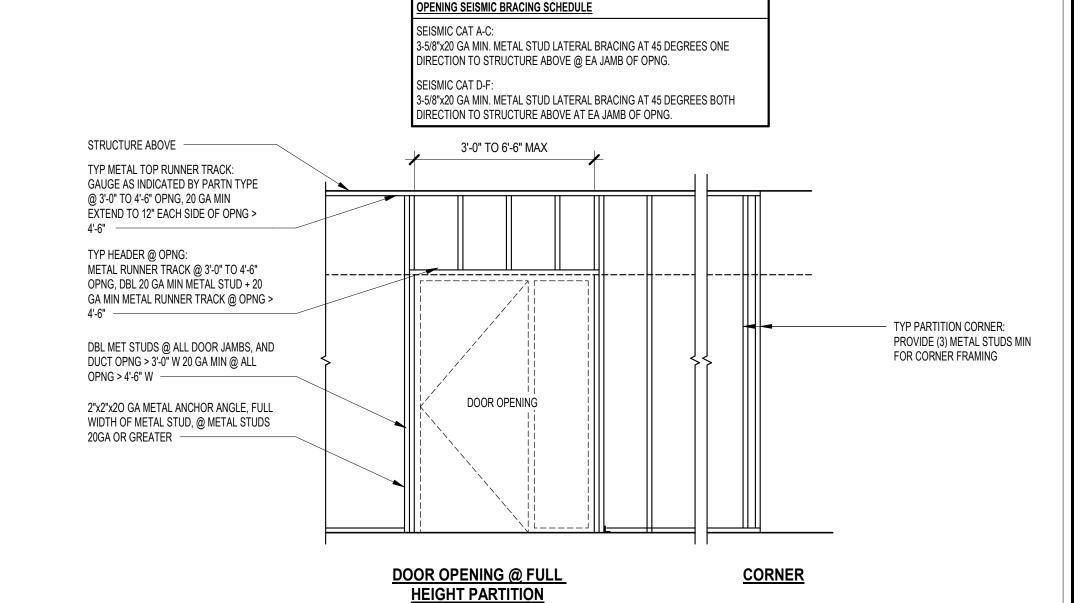
1 1/2" = 1'-0"

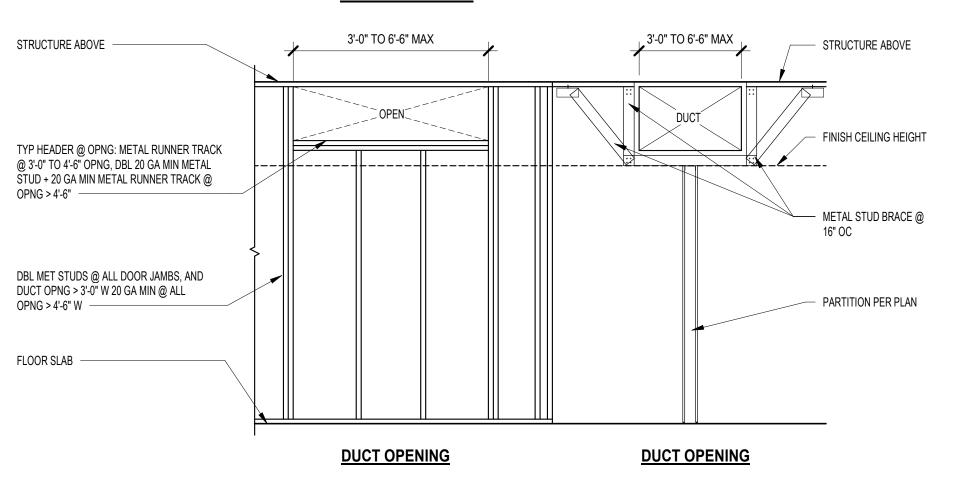


**ANCHOR BRACKETS** 

**DOOR OPNG @ FLOOR-TO-**

**CEILING PARTITION** 



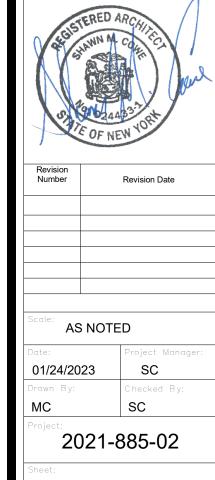


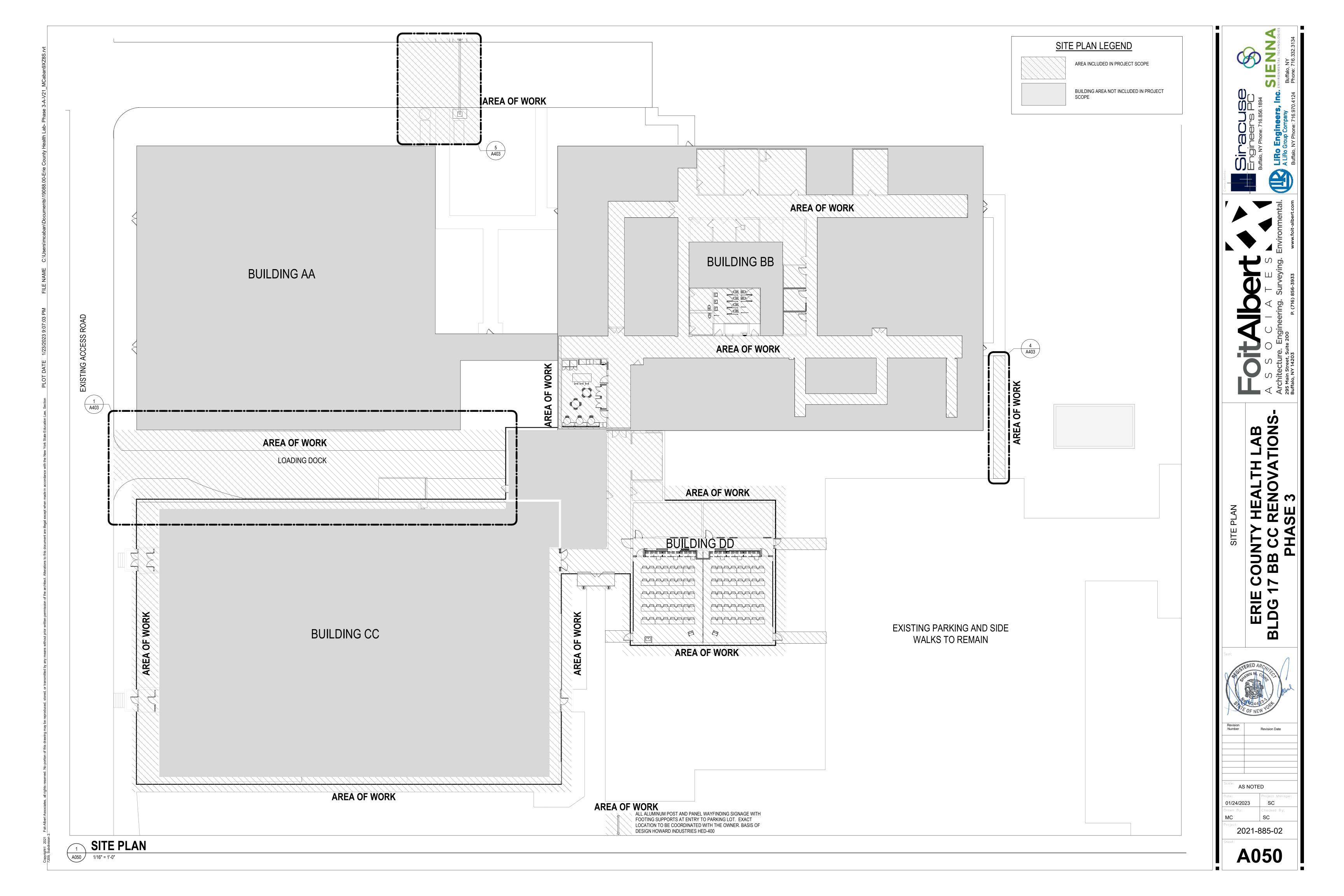
TYP. MTL STUD FRAMING DIAGRAM

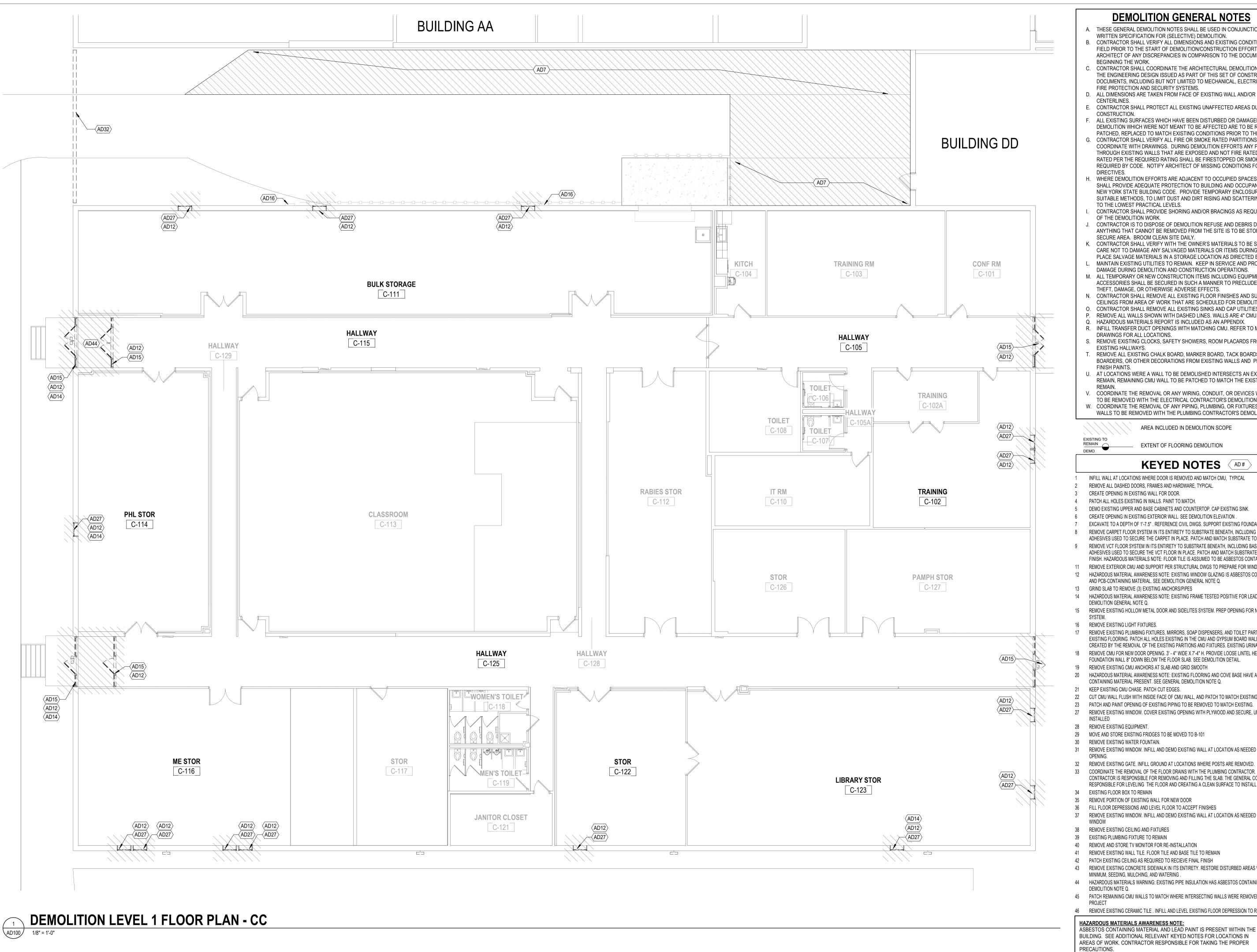
3/8" = 1'-0"



ERIE COUNTY HEALTH L LDG 17 BB CC RENOVATI







### **DEMOLITION GENERAL NOTES**

- THESE GENERAL DEMOLITION NOTES SHALL BE USED IN CONJUNCTION WITH THE
- WRITTEN SPECIFICATION FOR (SELECTIVE) DEMOLITION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO THE START OF DEMOLITION/CONSTRUCTION EFFORTS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IN COMPARISON TO THE DOCUMENTS PRIOR TO
  - BEGINNING THE WORK. CONTRACTOR SHALL COORDINATE THE ARCHITECTURAL DEMOLITION WORK WITH THE ENGINEERING DESIGN ISSUED AS PART OF THIS SET OF CONSTRUCTION
  - DOCUMENTS, INCLUDING BUT NOT LIMITED TO MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND SECURITY SYSTEMS.
- D. ALL DIMENSIONS ARE TAKEN FROM FACE OF EXISTING WALL AND/OR COLUMN CENTERLINES.
- E. CONTRACTOR SHALL PROTECT ALL EXISTING UNAFFECTED AREAS DURING CONSTRUCTION.
- F. ALL EXISTING SURFACES WHICH HAVE BEEN DISTURBED OR DAMAGED DURING DEMOLITION WHICH WERE NOT MEANT TO BE AFFECTED ARE TO BE REPAIRED, PATCHED, REPLACED TO MATCH EXISTING CONDITIONS PRIOR TO THE WORK.
- CONTRACTOR SHALL VERIFY ALL FIRE OR SMOKE RATED PARTITIONS/WALLS. COORDINATE WITH DRAWINGS. DURING DEMOLITION EFFORTS ANY PENETRATIONS THROUGH EXISTING WALLS THAT ARE EXPOSED AND NOT FIRE RATED OR SMOKE RATED PER THE REQUIRED RATING SHALL BE FIRESTOPPED OR SMOKESTOPPED AS REQUIRED BY CODE. NOTIFY ARCHITECT OF MISSING CONDITIONS FOR FURTHER
- WHERE DEMOLITION EFFORTS ARE ADJACENT TO OCCUPIED SPACES, CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION TO BUILDING AND OCCUPANTS PER THE NEW YORK STATE BUILDING CODE. PROVIDE TEMPORARY ENCLOSURES, OR OTHER SUITABLE METHODS, TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR, TO THE LOWEST PRACTICAL LEVELS.
- CONTRACTOR SHALL PROVIDE SHORING AND/OR BRACINGS AS REQUIRED AS PART OF THE DEMOLITION WORK. CONTRACTOR IS TO DISPOSE OF DEMOLITION REFUSE AND DEBRIS DAILY AND
- ANYTHING THAT CANNOT BE REMOVED FROM THE SITE IS TO BE STORED IN A SECURE AREA. BROOM CLEAN SITE DAILY. CONTRACTOR SHALL VERIFY WITH THE OWNER'S MATERIALS TO BE SALVAGED. TAKE
- CARE NOT TO DAMAGE ANY SALVAGED MATERIALS OR ITEMS DURING REMOVAL. PLACE SALVAGE MATERIALS IN A STORAGE LOCATION AS DIRECTED BY THE OWNER. MAINTAIN EXISTING UTILITIES TO REMAIN. KEEP IN SERVICE AND PROTECT AGAINST DAMAGE DURING DEMOLITION AND CONSTRUCTION OPERATIONS.
- M. ALL TEMPORARY OR NEW CONSTRUCTION ITEMS INCLUDING EQUIPMENT AND ACCESSORIES SHALL BE SECURED IN SUCH A MANNER TO PRECLUDE ANY POTENTIAL THEFT, DAMAGE, OR OTHERWISE ADVERSE EFFECTS.
- CONTRACTOR SHALL REMOVE ALL EXISTING FLOOR FINISHES AND SUSPENDED CEILINGS FROM AREA OF WORK THAT ARE SCHEDULED FOR DEMOLITION.
- CONTRACTOR SHALL REMOVE ALL EXISTING SINKS AND CAP UTILITIES. REMOVE ALL WALLS SHOWN WITH DASHED LINES. WALLS ARE 4" CMU, TYPICAL. HAZARDOUS MATERIALS REPORT IS INCLUDED AS AN APPENDIX.
- R. INFILL TRANSFER DUCT OPENINGS WITH MATCHING CMU. REFER TO MECHANICAL DRAWINGS FOR ALL LOCATIONS.
- REMOVE EXISTING CLOCKS, SAFETY SHOWERS, ROOM PLACARDS FROM THE EXISTING HALLWAYS. REMOVE ALL EXISTING CHALK BOARD, MARKER BOARD, TACK BOARDS, DECORATIVE
- BOARDERS, OR OTHER DECORATIONS FROM EXISTING WALLS AND PREP WALL FOR AT LOCATIONS WERE A WALL TO BE DEMOLISHED INTERSECTS AN EXISTING WALL TO
- REMAIN, REMAINING CMU WALL TO BE PATCHED TO MATCH THE EXISTING WALL TO
- COORDINATE THE REMOVAL OR ANY WIRING, CONDUIT, OR DEVICES WITHIN WALLS TO BE REMOVED WITH THE ELECTRICAL CONTRACTOR'S DEMOLITION.
- W. COORDINATE THE REMOVAL OF ANY PIPING, PLUMBING, OR FIXTURES WITHIN OR ON WALLS TO BE REMOVED WITH THE PLUMBING CONTRACTOR'S DEMOLITION.

AREA INCLUDED IN DEMOLITION SCOPE

EXTENT OF FLOORING DEMOLITION

### KEYED NOTES AD#

- INFILL WALL AT LOCATIONS WHERE DOOR IS REMOVED AND MATCH CMU, TYPICAL
- REMOVE ALL DASHED DOORS, FRAMES AND HARDWARE, TYPICAL. CREATE OPENING IN EXISTING WALL FOR DOOR.
- PATCH ALL HOLES EXISTING IN WALLS. PAINT TO MATCH.
- DEMO EXISTING UPPER AND BASE CABINETS AND COUNTERTOP. CAP EXISTING SINK.
- CREATE OPENING IN EXISTING EXTERIOR WALL. SEE DEMOLITION ELEVATION.
- EXCAVATE TO A DEPTH OF 1'-7.5" . REFERENCE CIVIL DWGS. SUPPORT EXISTING FOUNDATION WALL REMOVE CARPET FLOOR SYSTEM IN ITS ENTIRETY TO SUBSTRATE BENEATH, INCLUDING FASTENERS AND
- ADHESIVES USED TO SECURE THE CARPET IN PLACE. PATCH AND MATCH SUBSTRATE TO ACCEPT NEW FINISH. REMOVE VCT FLOOR SYSTEM IN ITS ENTIRETY TO SUBSTRATE BENEATH, INCLUDING BASE, FASTENERS, AND ADHESIVES USED TO SECURE THE VCT FLOOR IN PLACE. PATCH AND MATCH SUBSTRATE TO ACCEPT NEW FINISH. HAZARDOUS MATERIALS NOTE: FLOOR TILE IS ASSUMED TO BE ASBESTOS CONTAINING. REF NOTE Q.
- 11 REMOVE EXTERIOR CMU AND SUPPORT PER STRUCTURAL DWGS TO PREPARE FOR WINDOW INSTALLATION. HAZARDOUS MATERIAL AWARENESS NOTE: EXISTING WINDOW GLAZING IS ASBESTOS CONTAINING MATERIAL
- AND PCB-CONTAINING MATERIAL. SEE DEMOLITION GENERAL NOTE Q. 13 GRIND SLAB TO REMOVE (3) EXISTING ANCHORS/PIPES
- 14 HAZARDOUS MATERIAL AWARENESS NOTE: EXISTING FRAME TESTED POSITIVE FOR LEAD PAINT. SEE DEMOLITION GENERAL NOTE Q.
- 15 REMOVE EXISTING HOLLOW METAL DOOR AND SIDELITES SYSTEM. PREP OPENING FOR NEW STOREFRONT
- 16 REMOVE EXISTING LIGHT FIXTURES.
- 17 REMOVE EXISTING PLUMBING FIXTURES, MIRRORS, SOAP DISPENSERS, AND TOILET PARTITIONS. KEEP EXISTING FLOORING. PATCH ALL HOLES EXISTING IN THE CMU AND GYPSUM BOARD WALLS AND HOLES CREATED BY THE REMOVAL OF THE EXISTING PARITIONS AND FIXTURES. EXISTING URINALS TO REMAIN.
- REMOVE CMU FOR NEW DOOR OPENING. 3' 4" WIDE X 7'-4" H. PROVIDE LOOSE LINTEL HEADER. CUT FOUNDATION WALL 8" DOWN BELOW THE FLOOR SLAB. SEE DEMOLITION DETAIL. REMOVE EXISTING CMU ANCHORS AT SLAB AND GRID SMOOTH
- HAZARDOUS MATERIAL AWARENESS NOTE: EXISTING FLOORING AND COVE BASE HAVE ASBESTOS
- CONTAINING MATERIAL PRESENT. SEE GENERAL DEMOLITION NOTE Q. KEEP EXISTING CMU CHASE. PATCH CUT EDGES.
- 22 CUT CMU WALL FLUSH WITH INSIDE FACE OF CMU WALL, AND PATCH TO MATCH EXISTING.
- REMOVE EXISTING WINDOW. COVER EXISTING OPENING WITH PLYWOOD AND SECURE, UNTIL WINDOW CAN BE
- 28 REMOVE EXISTING EQUIPMENT.
- 29 MOVE AND STORE EXISTING FRIDGES TO BE MOVED TO B-101
- 30 REMOVE EXISTING WATER FOUNTAIN.
- 31 REMOVE EXISTING WINDOW. INFILL AND DEMO EXISTING WALL AT LOCATION AS NEEDED TO RECEIVE DOOR
- 32 REMOVE EXISTING GATE. INFILL GROUND AT LOCATIONS WHERE POSTS ARE REMOVED. 33 COORDINATE THE REMOVAL OF THE FLOOR DRAINS WITH THE PLUMBING CONTRACTOR. PLUMBING CONTRACTOR IS RESPONSIBLE FOR REMOVING AND FILLING THE SLAB. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR LEVELING THE FLOOR AND CREATING A CLEAN SURFACE TO INSTALL FLOOR FINISHES.
- 34 EXISTING FLOOR BOX TO REMAIN
- 35 REMOVE PORTION OF EXISTING WALL FOR NEW DOOR 36 FILL FLOOR DEPRESSIONS AND LEVEL FLOOR TO ACCEPT FINISHES
- 37 REMOVE EXISTING WINDOW. INFILL AND DEMO EXISTING WALL AT LOCATION AS NEEDED TO RECEIVE NEW
- 38 REMOVE EXISTING CEILING AND FIXTURES
- 39 EXISTING PLUMBING FIXTURE TO REMAIN
- 40 REMOVE AND STORE TV MONITOR FOR RE-INSTALLATION
- 41 REMOVE EXISTING WALL TILE. FLOOR TILE AND BASE TILE TO REMAIN
- 42 PATCH EXISTING CEILING AS REQUIRED TO RECIEVE FINAL FINISH 43 REMOVE EXISTING CONCRETE SIDEWALK IN ITS ENTIRETY. RESTORE DISTURBED AREAS WITH TOPSOIL 4" MINIMUM, SEEDING, MULCHING, AND WATERING.
- 44 HAZARDOUS MATERIALS WARNING: EXISTING PIPE INSULATION HAS ASBESTOS CONTAINING MATERIAL. SEE DEMOLITION NOTE Q.
- 45 PATCH REMAINING CMU WALLS TO MATCH WHERE INTERSECTING WALLS WERE REMOVED TYP. ENTIRE
- 46 REMOVE EXISTING CERAMIC TILE. INFILL AND LEVEL EXISTING FLOOR DEPRESSION TO RECEIVE FINISHES.

HAZARDOUS MATERIALS AWARENESS NOTE: ASBESTOS CONTAINING MATERIAL AND LEAD PAINT IS PRESENT WITHIN THE BUILDING. SEE ADDITIONAL RELEVANT KEYED NOTES FOR LOCATIONS IN AREAS OF WORK. CONTRACTOR RESPONSIBLE FOR TAKING THE PROPER



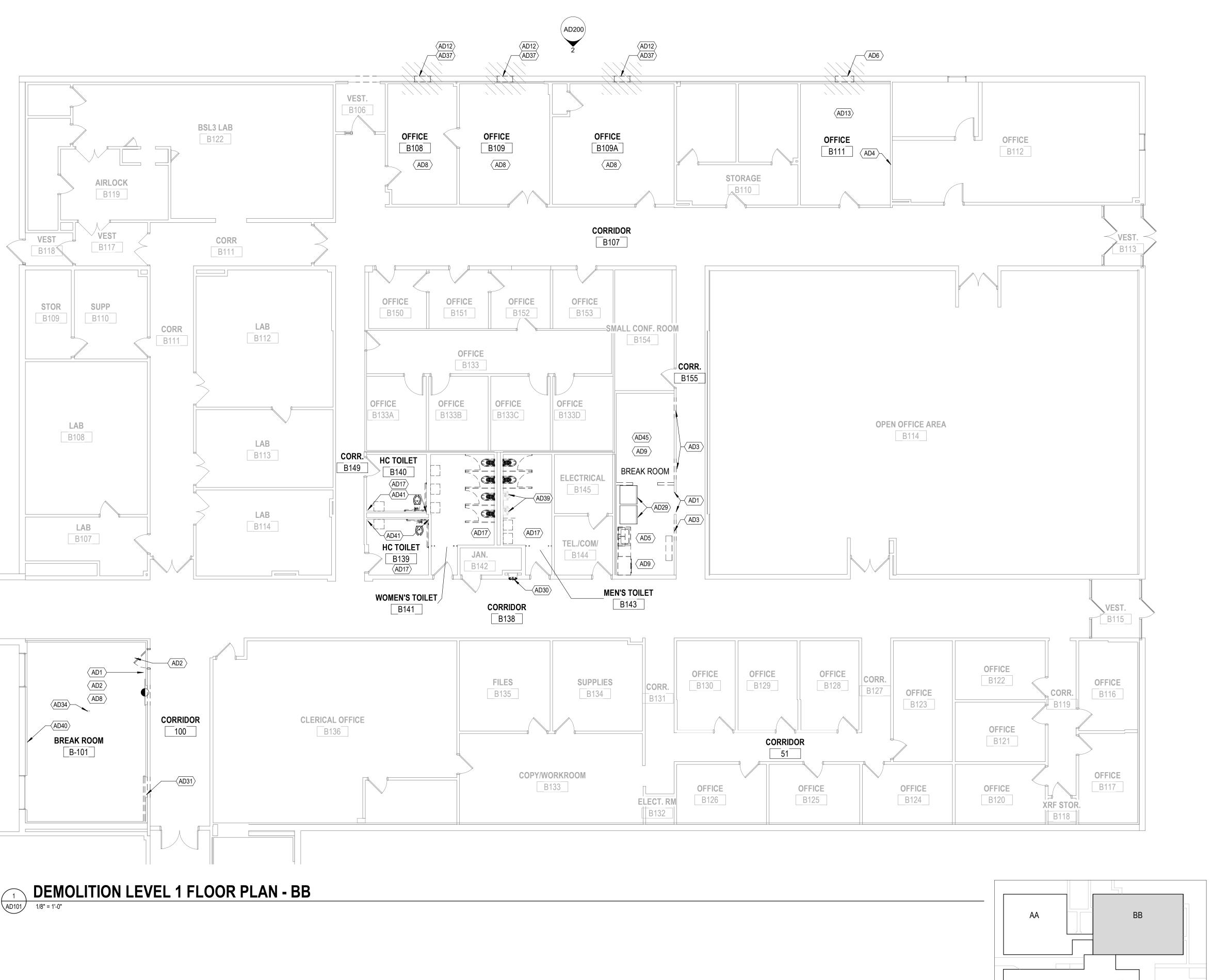
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  - DOCUMENTS, INCLUDING BUT NOT LIMITED TO MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND SECURITY SYSTEMS.
- D. ALL DIMENSIONS ARE TAKEN FROM FACE OF EXISTING WALL AND/OR COLUMN

E. CONTRACTOR SHALL PROTECT ALL EXISTING UNAFFECTED AREAS DURING

CONSTRUCTION. F. ALL EXISTING SURFACES WHICH HAVE BEEN DISTURBED OR DAMAGED DURING DEMOLITION WHICH WERE NOT MEANT TO BE AFFECTED ARE TO BE REPAIRED,

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- CONTRACTOR IS TO DISPOSE OF DEMOLITION REFUSE AND DEBRIS DAILY AND ANYTHING THAT CANNOT BE REMOVED FROM THE SITE IS TO BE STORED IN A SECURE AREA. BROOM CLEAN SITE DAILY.
- CONTRACTOR SHALL VERIFY WITH THE OWNER'S MATERIALS TO BE SALVAGED. TAKE CARE NOT TO DAMAGE ANY SALVAGED MATERIALS OR ITEMS DURING REMOVAL. PLACE SALVAGE MATERIALS IN A STORAGE LOCATION AS DIRECTED BY THE OWNER.
- DAMAGE DURING DEMOLITION AND CONSTRUCTION OPERATIONS. M. ALL TEMPORARY OR NEW CONSTRUCTION ITEMS INCLUDING EQUIPMENT AND ACCESSORIES SHALL BE SECURED IN SUCH A MANNER TO PRECLUDE ANY POTENTIAL

MAINTAIN EXISTING UTILITIES TO REMAIN. KEEP IN SERVICE AND PROTECT AGAINST

- THEFT, DAMAGE, OR OTHERWISE ADVERSE EFFECTS. N. CONTRACTOR SHALL REMOVE ALL EXISTING FLOOR FINISHES AND SUSPENDED
- CEILINGS FROM AREA OF WORK THAT ARE SCHEDULED FOR DEMOLITION. O. CONTRACTOR SHALL REMOVE ALL EXISTING SINKS AND CAP UTILITIES.
- P. REMOVE ALL WALLS SHOWN WITH DASHED LINES. WALLS ARE 4" CMU, TYPICAL Q. HAZARDOUS MATERIALS REPORT IS INCLUDED AS AN APPENDIX. R. INFILL TRANSFER DUCT OPENINGS WITH MATCHING CMU. REFER TO MECHANICAL
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- J. AT LOCATIONS WERE A WALL TO BE DEMOLISHED INTERSECTS AN EXISTING WALL TO REMAIN, REMAINING CMU WALL TO BE PATCHED TO MATCH THE EXISTING WALL TO
- COORDINATE THE REMOVAL OR ANY WIRING, CONDUIT, OR DEVICES WITHIN WALLS TO BE REMOVED WITH THE ELECTRICAL CONTRACTOR'S DEMOLITION.
- W. COORDINATE THE REMOVAL OF ANY PIPING, PLUMBING, OR FIXTURES WITHIN OR ON WALLS TO BE REMOVED WITH THE PLUMBING CONTRACTOR'S DEMOLITION.

AREA INCLUDED IN DEMOLITION SCOPE

EXTENT OF FLOORING DEMOLITION

### KEYED NOTES (AD#)

- INFILL WALL AT LOCATIONS WHERE DOOR IS REMOVED AND MATCH CMU, TYPICAL REMOVE ALL DASHED DOORS, FRAMES AND HARDWARE, TYPICAL.
- CREATE OPENING IN EXISTING WALL FOR DOOR.
- PATCH ALL HOLES EXISTING IN WALLS. PAINT TO MATCH. DEMO EXISTING UPPER AND BASE CABINETS AND COUNTERTOP. CAP EXISTING SINK.
- CREATE OPENING IN EXISTING EXTERIOR WALL. SEE DEMOLITION ELEVATION .
- EXCAVATE TO A DEPTH OF 1'-7.5". REFERENCE CIVIL DWGS. SUPPORT EXISTING FOUNDATION WALL REMOVE CARPET FLOOR SYSTEM IN ITS ENTIRETY TO SUBSTRATE BENEATH, INCLUDING FASTENERS AND
- ADHESIVES USED TO SECURE THE CARPET IN PLACE. PATCH AND MATCH SUBSTRATE TO ACCEPT NEW FINISH. REMOVE VCT FLOOR SYSTEM IN ITS ENTIRETY TO SUBSTRATE BENEATH, INCLUDING BASE, FASTENERS, AND ADHESIVES USED TO SECURE THE VCT FLOOR IN PLACE. PATCH AND MATCH SUBSTRATE TO ACCEPT NEW FINISH. HAZARDOUS MATERIALS NOTE: FLOOR TILE IS ASSUMED TO BE ASBESTOS CONTAINING. REF NOTE Q.
- REMOVE EXTERIOR CMU AND SUPPORT PER STRUCTURAL DWGS TO PREPARE FOR WINDOW INSTALLATION. HAZARDOUS MATERIAL AWARENESS NOTE: EXISTING WINDOW GLAZING IS ASBESTOS CONTAINING MATERIAL AND PCB-CONTAINING MATERIAL. SEE DEMOLITION GENERAL NOTE Q.
- 13 GRIND SLAB TO REMOVE (3) EXISTING ANCHORS/PIPES 14 HAZARDOUS MATERIAL AWARENESS NOTE: EXISTING FRAME TESTED POSITIVE FOR LEAD PAINT. SEE DEMOLITION GENERAL NOTE Q.
- 15 REMOVE EXISTING HOLLOW METAL DOOR AND SIDELITES SYSTEM. PREP OPENING FOR NEW STOREFRONT
- 16 REMOVE EXISTING LIGHT FIXTURES. 17 REMOVE EXISTING PLUMBING FIXTURES, MIRRORS, SOAP DISPENSERS, AND TOILET PARTITIONS. KEEP EXISTING FLOORING. PATCH ALL HOLES EXISTING IN THE CMU AND GYPSUM BOARD WALLS AND HOLES

CREATED BY THE REMOVAL OF THE EXISTING PARITIONS AND FIXTURES. EXISTING URINALS TO REMAIN.

- 18 REMOVE CMU FOR NEW DOOR OPENING. 3' 4" WIDE X 7'-4" H. PROVIDE LOOSE LINTEL HEADER. CUT FOUNDATION WALL 8" DOWN BELOW THE FLOOR SLAB. SEE DEMOLITION DETAIL. 19 REMOVE EXISTING CMU ANCHORS AT SLAB AND GRID SMOOTH
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- 21 KEEP EXISTING CMU CHASE. PATCH CUT EDGES. 22 CUT CMU WALL FLUSH WITH INSIDE FACE OF CMU WALL, AND PATCH TO MATCH EXISTING.
- 23 PATCH AND PAINT OPENING OF EXISTING PIPING TO BE REMOVED TO MATCH EXISTING. REMOVE EXISTING WINDOW. COVER EXISTING OPENING WITH PLYWOOD AND SECURE, UNTIL WINDOW CAN BE

CC

KEYPLAN

NOT TO SCALE

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- 30 REMOVE EXISTING WATER FOUNTAIN.
- 31 REMOVE EXISTING WINDOW. INFILL AND DEMO EXISTING WALL AT LOCATION AS NEEDED TO RECEIVE DOOR 32 REMOVE EXISTING GATE. INFILL GROUND AT LOCATIONS WHERE POSTS ARE REMOVED.
- COORDINATE THE REMOVAL OF THE FLOOR DRAINS WITH THE PLUMBING CONTRACTOR. PLUMBING CONTRACTOR IS RESPONSIBLE FOR REMOVING AND FILLING THE SLAB. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR LEVELING THE FLOOR AND CREATING A CLEAN SURFACE TO INSTALL FLOOR FINISHES.
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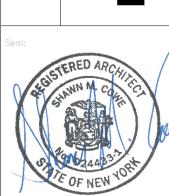
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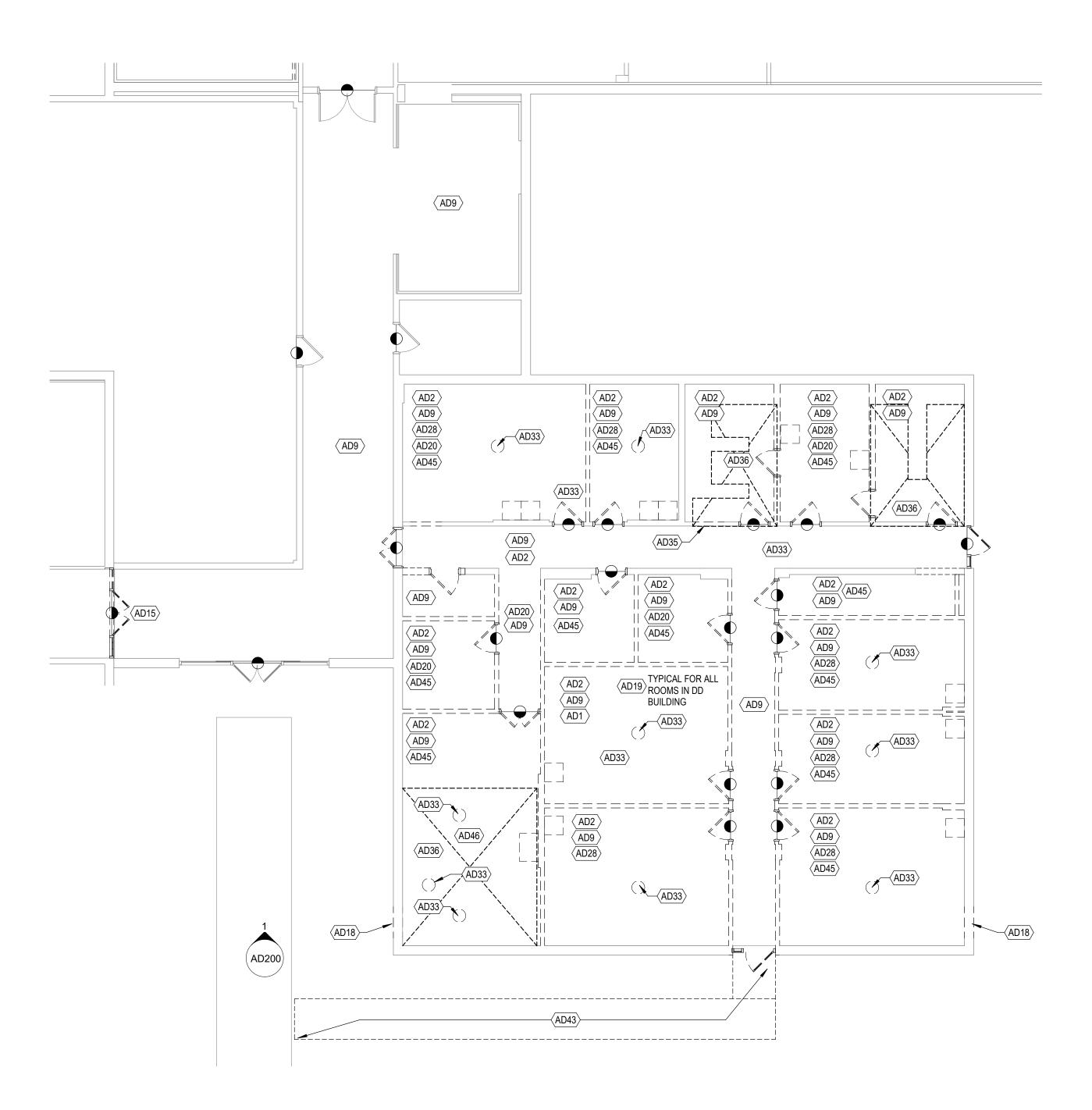
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Date:		Project Man	ag:
01/24/20	23	SC	
Drawn By:		Checked By	

SC 2021-885-02



**DEMOLITION LEVEL 1 FLOOR PLAN - DD** AD102 1/8" = 1'-0"

DD CC

NOT TO SCALE

### **DEMOLITION GENERAL NOTES**

- A. THESE GENERAL DEMOLITION NOTES SHALL BE USED IN CONJUNCTION WITH THE WRITTEN SPECIFICATION FOR (SELECTIVE) DEMOLITION.
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- D. ALL DIMENSIONS ARE TAKEN FROM FACE OF EXISTING WALL AND/OR COLUMN
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- CONTRACTOR SHALL VERIFY WITH THE OWNER'S MATERIALS TO BE SALVAGED. TAKE CARE NOT TO DAMAGE ANY SALVAGED MATERIALS OR ITEMS DURING REMOVAL. PLACE SALVAGE MATERIALS IN A STORAGE LOCATION AS DIRECTED BY THE OWNER.
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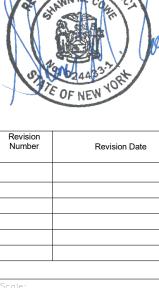
\_\_\_\_ EXTENT OF FLOORING DEMOLITION

### KEYED NOTES AD#

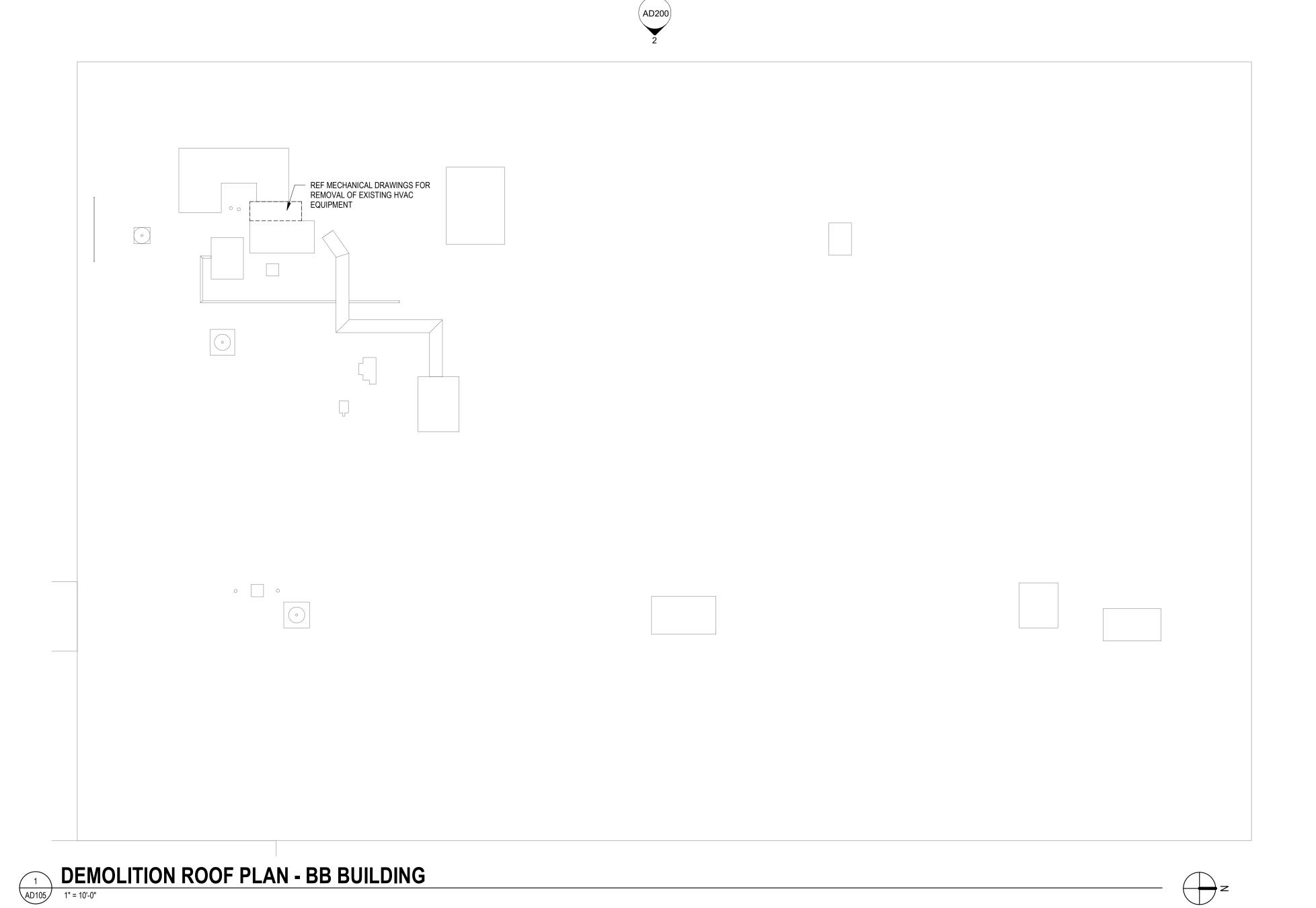
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E. CONTRACTOR SHALL PROTECT ALL EXISTING UNAFFECTED AREAS DURING CONSTRUCTION.

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T. REMOVE ALL EXISTING CHALK BOARD, MARKER BOARD, TACK BOARDS, DECORATIVE BOARDERS, OR OTHER DECORATIONS FROM EXISTING WALLS AND PREP WALL FOR FINISH PAINTS.

U. AT LOCATIONS WERE A WALL TO BE DEMOLISHED INTERSECTS AN EXISTING WALL TO REMAIN, REMAINING CMU WALL TO BE PATCHED TO MATCH THE EXISTING WALL TO REMAIN.

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AREA INCLUDED IN DEMOLITION SCOPE



KEYED NOTES AD#

1 EXISTING EQUIPMENT RAILS TO BE REMOVED

2 INFILL WITH METAL DECK AT LOCATION WHERE RTU, EXISTING MECHANICAL DUCT WORK, AND ELECTRICAL CONDUIT WAS REMOVED OR WHERE DECK IS DETERIORATED. SEE STRUCTURAL DWGS.

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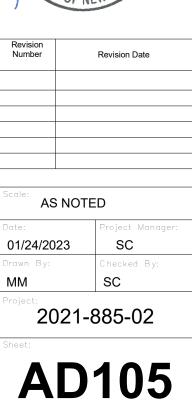
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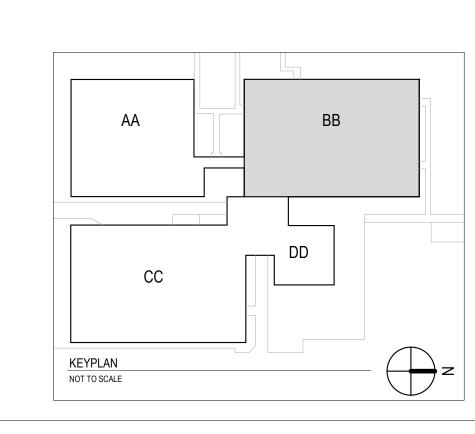


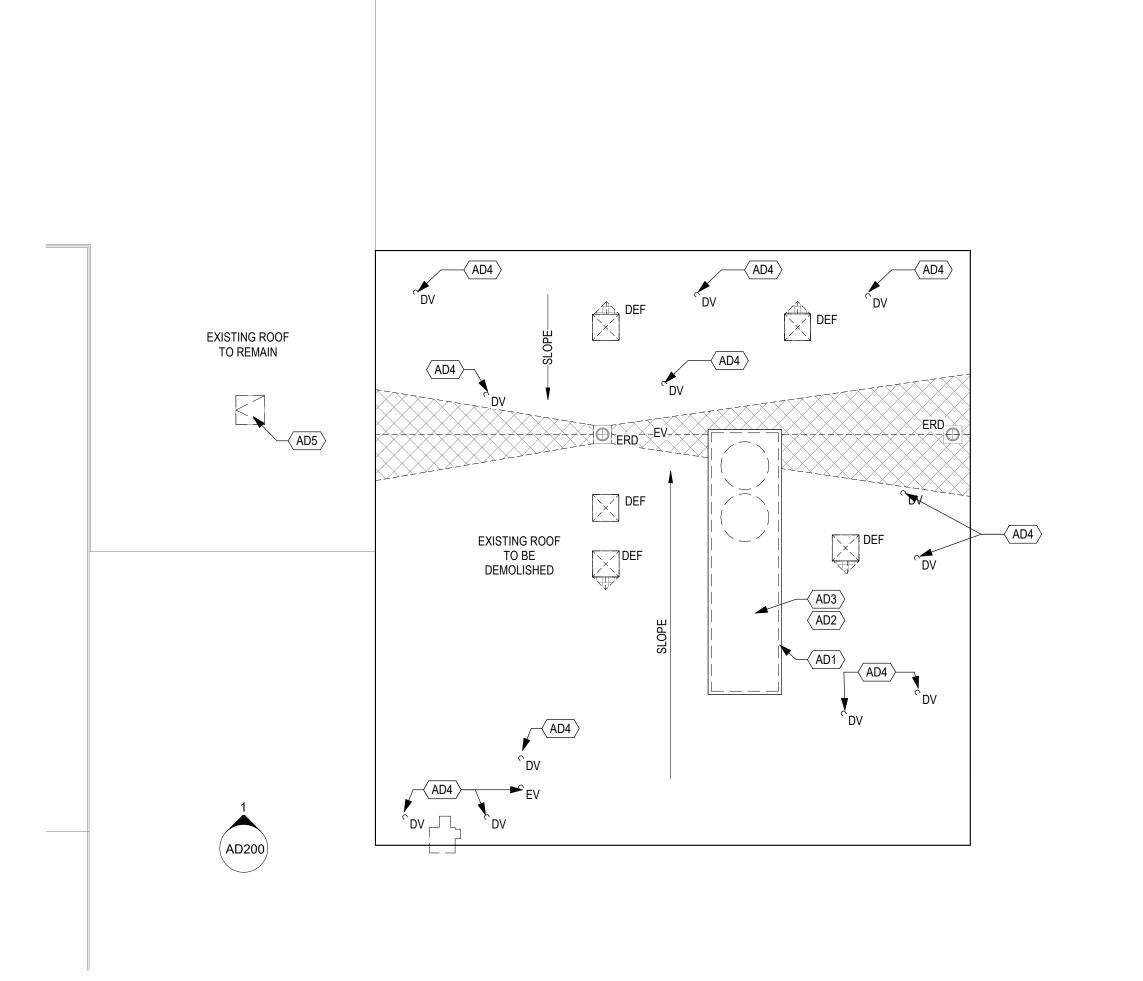
ERIE COUNTY HEALT

SLDG 17 BB CC RENOV









DEMOLITION ROOF PLAN - DD BUILDING

1" = 10'-0"

### ROOF DEMOLITION PLAN GENERAL NOTES

- REMOVE ENTIRE EXIST ROOF SYSTEM IN ITS ENTIRETY DOWN TO THE ROOF DECK INCLUDING GRAVEL SURFACED BUILT-UP ROOF, FIBERBOARD INSULATION, FLASHINGS AND BLOCKING. CONTRACTOR SHALL ONLY REMOVE AS MUCH AS THEY CAN SAFELY SEAL UP IN A DAY AND AS WEATHER PERMITS.
- 2. PROVIDE TEMPORARY WEATHER TIGHT COVER/ENCLOSURE OF ROOF OPENINGS RESULTING FROM DEMOLITION . REMOVE TEMPORARY COVERS/ENCLOSURES WHEN ROOFING INSTALLATION IS COMPLETE.
- 3. ALL EXIST DIMENSIONS ARE +/- AND ARE TO BE VERIFIED IN THE FIELD.
- 4. ALL EXIST ROOF DRAIN BODIES ARE TO REMAIN. REMOVE EXIST ROOF DRAIN STRAINERS & INSERTS, CLEAN OUT DRAINS TO GRADE & PERFORM FLOW TEST. FLUSH THROUGH ROOF LEADERS TO BUILDING DRAINAGE SYSTEM TO REMOVE SEDIMENT AND TO TEST DRAIN CAPACITY. VERIFY THAT ALL ROOF DRAINS ARE CLEAR AND FREE FLOWING, AND ATTAIN OWNER'S SITE REPRESENTATIVE APPROVAL PRIOR TO COMMENCEMENT OF WORK.

### ROOF LEGEND

EXISTING ROOF DRAIN, REMOVE EXISTING STRAINER

EXISTING EXHAUST FAN AND CURB TO BE REMOVED TO EXISTING ROOF DECK. PATCH OPENING IN EXISTING ROOF DECK.

EXISTING EXHAUST FAN AND CURB TO EXHAUST FAN FOR REINSTALLATION. EXISTING EXHAUST FAN AND CURB TO BE REMOVED TO EXISTING ROOF DECK. STORE

EGV EXISTING EXHAUST GRAVITY VENT TO REMAIN.

EXISTING ROOF TOP UNIT REFER TO KEYED NOTES

EXISTING VENT TO BE REMOVED TO EXISTING DECK. PATCH OPENING IN EXISTING ROOF

EXISTING VENT. REMOVE EXISTING FLASHING.

EXISTING CRICKET TO BE REMOVED.

HP LP HIGH POINT/ LOW POINT

—SLOPE
— ROOF SLOPE DOWN IN THE DIRECTION INDICATED

EXISTING ROOF HATCH AND LADDER TO BE REMOVED

EXISTING WALL HUNG VENTING TO BE REMOVED AND THE EXISTING WALL TO BE

AD#

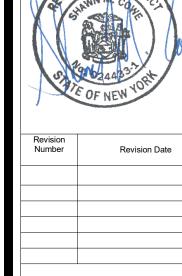
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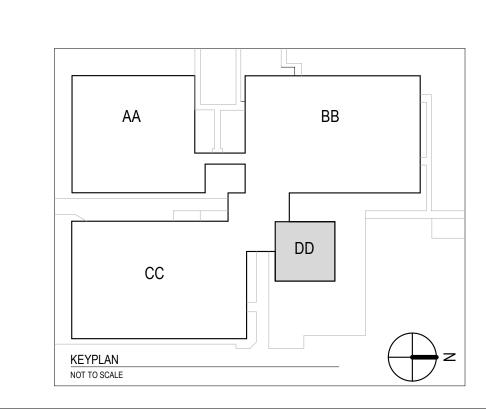






AS NOTED 01/24/2023 2021-885-02

**AD106** 





**DEMOLITION LEVEL 1- REFLECTED CEILING PLAN - BB** 

AD121 1/8" = 1'-0"

### **DEMOLITION GENERAL NOTES**

- A. THESE GENERAL DEMOLITION NOTES SHALL BE USED IN CONJUNCTION WITH THE
- WRITTEN SPECIFICATION FOR (SELECTIVE) DEMOLITION. B. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO THE START OF DEMOLITION/CONSTRUCTION EFFORTS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IN COMPARISON TO THE DOCUMENTS PRIOR TO BEGINNING THE WORK.
- . CONTRACTOR SHALL COORDINATE THE ARCHITECTURAL DEMOLITION WORK WITH THE ENGINEERING DESIGN ISSUED AS PART OF THIS SET OF CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO MECHANICAL, ELECTRICAL, PLUMBING,
- FIRE PROTECTION AND SECURITY SYSTEMS D. ALL DIMENSIONS ARE TAKEN FROM FACE OF EXISTING WALL AND/OR COLUMN
- CENTERLINES. E. CONTRACTOR SHALL PROTECT ALL EXISTING UNAFFECTED AREAS DURING
- ALL EXISTING SURFACES WHICH HAVE BEEN DISTURBED OR DAMAGED DURING DEMOLITION WHICH WERE NOT MEANT TO BE AFFECTED ARE TO BE REPAIRED,

PATCHED, REPLACED TO MATCH EXISTING CONDITIONS PRIOR TO THE WORK.

- CONTRACTOR SHALL VERIFY ALL FIRE OR SMOKE RATED PARTITIONS/WALLS, COORDINATE WITH DRAWINGS. DURING DEMOLITION EFFORTS ANY PENETRATIONS THROUGH EXISTING WALLS THAT ARE EXPOSED AND NOT FIRE RATED OR SMOKE RATED PER THE REQUIRED RATING SHALL BE FIRESTOPPED OR SMOKESTOPPED AS REQUIRED BY CODE. NOTIFY ARCHITECT OF MISSING CONDITIONS FOR FURTHER
- WHERE DEMOLITION EFFORTS ARE ADJACENT TO OCCUPIED SPACES, CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION TO BUILDING AND OCCUPANTS PER THE NEW YORK STATE BUILDING CODE. PROVIDE TEMPORARY ENCLOSURES, OR OTHER SUITABLE METHODS, TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR, TO THE LOWEST PRACTICAL LEVELS.
- CONTRACTOR SHALL PROVIDE SHORING AND/OR BRACINGS AS REQUIRED AS PART OF THE DEMOLITION WORK.
- CONTRACTOR IS TO DISPOSE OF DEMOLITION REFUSE AND DEBRIS DAILY AND ANYTHING THAT CANNOT BE REMOVED FROM THE SITE IS TO BE STORED IN A SECURE AREA. BROOM CLEAN SITE DAILY.
- K. CONTRACTOR SHALL VERIFY WITH THE OWNER'S MATERIALS TO BE SALVAGED. TAKE CARE NOT TO DAMAGE ANY SALVAGED MATERIALS OR ITEMS DURING REMOVAL. PLACE SALVAGE MATERIALS IN A STORAGE LOCATION AS DIRECTED BY THE OWNER. MAINTAIN EXISTING UTILITIES TO REMAIN. KEEP IN SERVICE AND PROTECT AGAINST
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- THEFT, DAMAGE, OR OTHERWISE ADVERSE EFFECTS. N. CONTRACTOR SHALL REMOVE ALL EXISTING FLOOR FINISHES AND SUSPENDED CEILINGS FROM AREA OF WORK THAT ARE SCHEDULED FOR DEMOLITION.
- O. CONTRACTOR SHALL REMOVE ALL EXISTING SINKS AND CAP UTILITIES. P. REMOVE ALL WALLS SHOWN WITH DASHED LINES. WALLS ARE 4" CMU, TYPICAL.
- Q. HAZARDOUS MATERIALS REPORT IS INCLUDED AS AN APPENDIX.
- R. INFILL TRANSFER DUCT OPENINGS WITH MATCHING CMU. REFER TO MECHANICAL DRAWINGS FOR ALL LOCATIONS. REMOVE EXISTING CLOCKS, SAFETY SHOWERS, ROOM PLACARDS FROM THE
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- AT LOCATIONS WERE A WALL TO BE DEMOLISHED INTERSECTS AN EXISTING WALL TO REMAIN, REMAINING CMU WALL TO BE PATCHED TO MATCH THE EXISTING WALL TO
- COORDINATE THE REMOVAL OR ANY WIRING, CONDUIT, OR DEVICES WITHIN WALLS TO BE REMOVED WITH THE ELECTRICAL CONTRACTOR'S DEMOLITION. W. COORDINATE THE REMOVAL OF ANY PIPING, PLUMBING, OR FIXTURES WITHIN OR ON WALLS TO BE REMOVED WITH THE PLUMBING CONTRACTOR'S DEMOLITION.

AREA INCLUDED IN DEMOLITION SCOPE

EXTENT OF FLOORING DEMOLITION

KEYED NOTES (AD#)

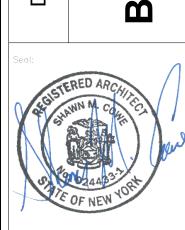
- INFILL WALL AT LOCATIONS WHERE DOOR IS REMOVED AND MATCH CMU, TYPICAL REMOVE ALL DASHED DOORS, FRAMES AND HARDWARE, TYPICAL.
- CREATE OPENING IN EXISTING WALL FOR DOOR.
- PATCH ALL HOLES EXISTING IN WALLS. PAINT TO MATCH. DEMO EXISTING UPPER AND BASE CABINETS AND COUNTERTOP. CAP EXISTING SINK.
- CREATE OPENING IN EXISTING EXTERIOR WALL. SEE DEMOLITION ELEVATION.
- EXCAVATE TO A DEPTH OF 1'-7.5" . REFERENCE CIVIL DWGS. SUPPORT EXISTING FOUNDATION WALL. REMOVE CARPET FLOOR SYSTEM IN ITS ENTIRETY TO SUBSTRATE BENEATH, INCLUDING FASTENERS AND
- ADHESIVES USED TO SECURE THE CARPET IN PLACE. PATCH AND MATCH SUBSTRATE TO ACCEPT NEW FINISH. REMOVE VCT FLOOR SYSTEM IN ITS ENTIRETY TO SUBSTRATE BENEATH, INCLUDING BASE, FASTENERS, AND ADHESIVES USED TO SECURE THE VCT FLOOR IN PLACE. PATCH AND MATCH SUBSTRATE TO ACCEPT NEW
- FINISH. HAZARDOUS MATERIALS NOTE: FLOOR TILE IS ASSUMED TO BE ASBESTOS CONTAINING. REF NOTE Q. 11 REMOVE EXTERIOR CMU AND SUPPORT PER STRUCTURAL DWGS TO PREPARE FOR WINDOW INSTALLATION.
- 12 HAZARDOUS MATERIAL AWARENESS NOTE: EXISTING WINDOW GLAZING IS ASBESTOS CONTAINING MATERIAL AND PCB-CONTAINING MATERIAL. SEE DEMOLITION GENERAL NOTE Q.
- 13 GRIND SLAB TO REMOVE (3) EXISTING ANCHORS/PIPES
- 14 HAZARDOUS MATERIAL AWARENESS NOTE: EXISTING FRAME TESTED POSITIVE FOR LEAD PAINT. SEE DEMOLITION GENERAL NOTE Q. 15 REMOVE EXISTING HOLLOW METAL DOOR AND SIDELITES SYSTEM. PREP OPENING FOR NEW STOREFRONT
- 16 REMOVE EXISTING LIGHT FIXTURES. 17 REMOVE EXISTING PLUMBING FIXTURES, MIRRORS, SOAP DISPENSERS, AND TOILET PARTITIONS. KEEP EXISTING FLOORING. PATCH ALL HOLES EXISTING IN THE CMU AND GYPSUM BOARD WALLS AND HOLES

CREATED BY THE REMOVAL OF THE EXISTING PARITIONS AND FIXTURES. EXISTING URINALS TO REMAIN.

- 18 REMOVE CMU FOR NEW DOOR OPENING. 3' 4" WIDE X 7'-4" H. PROVIDE LOOSE LINTEL HEADER. CUT FOUNDATION WALL 8" DOWN BELOW THE FLOOR SLAB. SEE DEMOLITION DETAIL.
- 19 REMOVE EXISTING CMU ANCHORS AT SLAB AND GRID SMOOTH 20 HAZARDOUS MATERIAL AWARENESS NOTE: EXISTING FLOORING AND COVE BASE HAVE ASBESTOS CONTAINING MATERIAL PRESENT. SEE GENERAL DEMOLITION NOTE Q.
- 21 KEEP EXISTING CMU CHASE. PATCH CUT EDGES. 22 CUT CMU WALL FLUSH WITH INSIDE FACE OF CMU WALL, AND PATCH TO MATCH EXISTING.
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- 28 REMOVE EXISTING EQUIPMENT.
- 29 MOVE AND STORE EXISTING FRIDGES TO BE MOVED TO B-101
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- 32 REMOVE EXISTING GATE. INFILL GROUND AT LOCATIONS WHERE POSTS ARE REMOVED. 33 COORDINATE THE REMOVAL OF THE FLOOR DRAINS WITH THE PLUMBING CONTRACTOR. PLUMBING CONTRACTOR IS RESPONSIBLE FOR REMOVING AND FILLING THE SLAB. THE GENERAL CONTRACTOR IS
- 34 EXISTING FLOOR BOX TO REMAIN
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- 36 FILL FLOOR DEPRESSIONS AND LEVEL FLOOR TO ACCEPT FINISHES 37 REMOVE EXISTING WINDOW. INFILL AND DEMO EXISTING WALL AT LOCATION AS NEEDED TO RECEIVE NEW

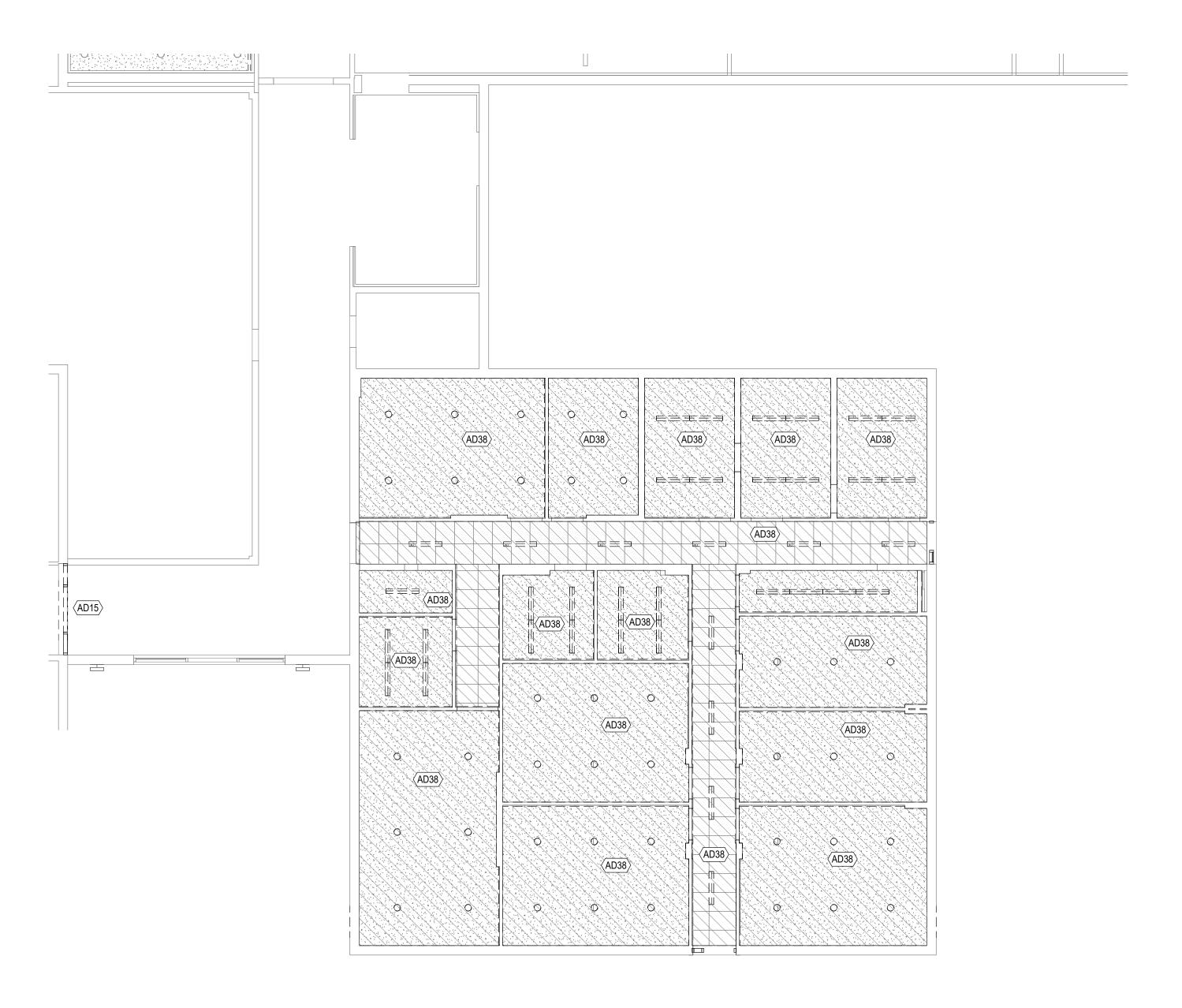
RESPONSIBLE FOR LEVELING THE FLOOR AND CREATING A CLEAN SURFACE TO INSTALL FLOOR FINISHES.

- 38 REMOVE EXISTING CEILING AND FIXTURES
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Revision Number	Revision Date
Scale: AS	NOTED

01/24/2023 SC SC



DEMOLITION LEVEL 1- REFLECTED CEILING PLAN - DD

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AREA INCLUDED IN DEMOLITION SCOPE

**EXISTING TO** 

EXTENT OF FLOORING DEMOLITION

### KEYED NOTES (AD#)

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- CREATE OPENING IN EXISTING EXTERIOR WALL. SEE DEMOLITION ELEVATION. EXCAVATE TO A DEPTH OF 1'-7.5". REFERENCE CIVIL DWGS. SUPPORT EXISTING FOUNDATION WALL.
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**HAZARDOUS MATERIALS AWARENESS NOTE:** ASBESTOS CONTAINING MATERIAL AND LEAD PAINT IS PRESENT WITHIN THE BUILDING. SEE ADDITIONAL RELEVANT KEYED NOTES FOR LOCATIONS IN AREAS OF WORK. CONTRACTOR RESPONSIBLE FOR TAKING THE PROPER PRECAUTIONS.





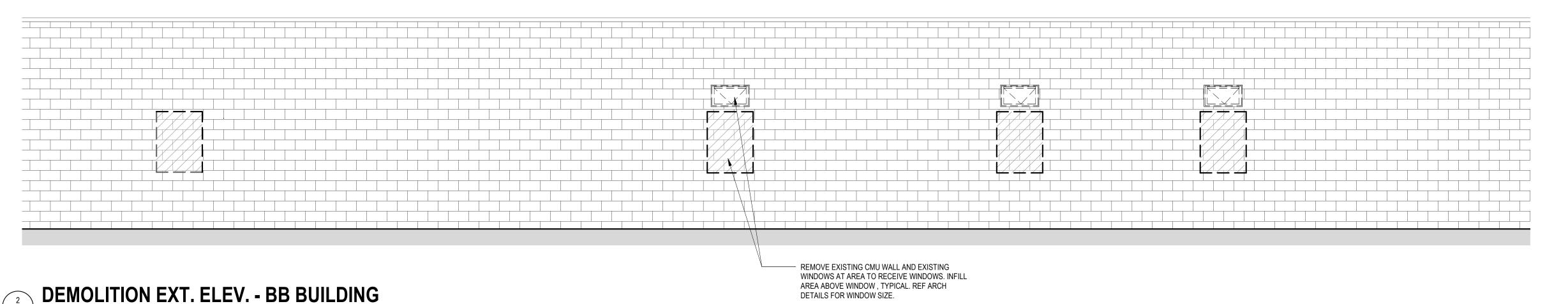




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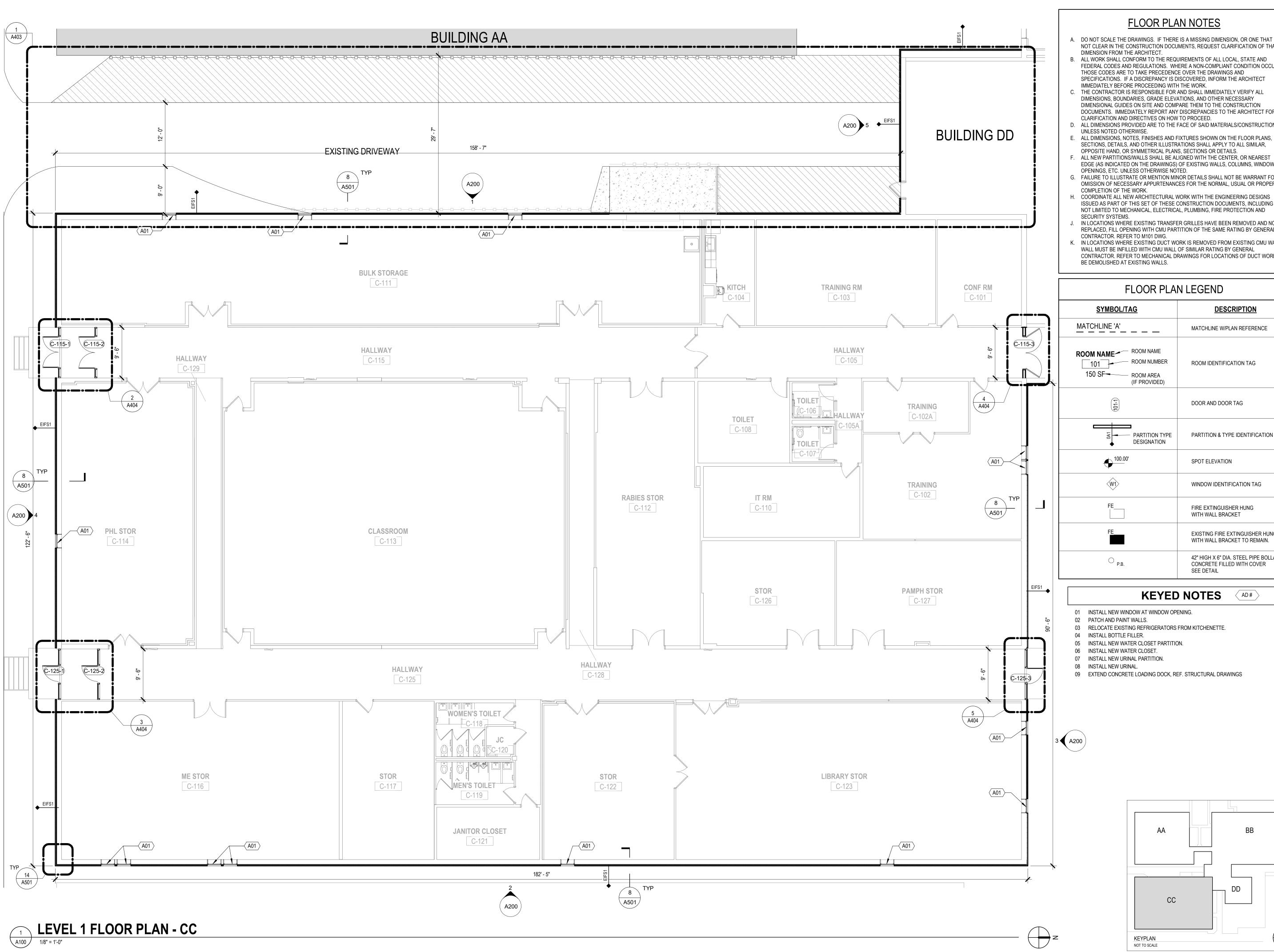




DEMOLITION EXT. ELEV. - BB BUILDING

AD200 1/4" = 1'-0"

AS NOTED 01/24/2023

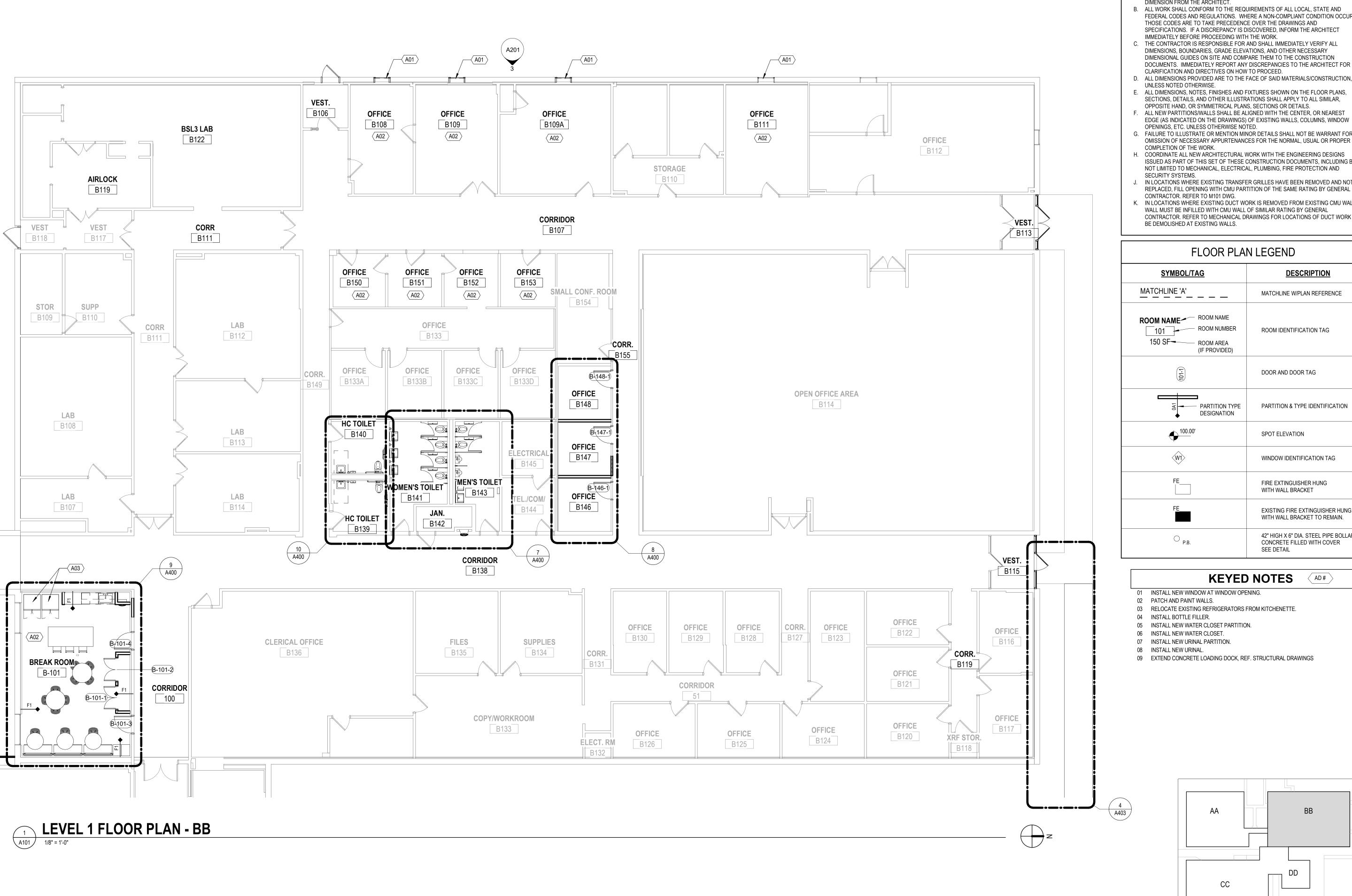


- A. DO NOT SCALE THE DRAWINGS. IF THERE IS A MISSING DIMENSION, OR ONE THAT IS NOT CLEAR IN THE CONSTRUCTION DOCUMENTS, REQUEST CLARIFICATION OF THAT
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- D. ALL DIMENSIONS PROVIDED ARE TO THE FACE OF SAID MATERIALS/CONSTRUCTION,
- SECTIONS, DETAILS, AND OTHER ILLUSTRATIONS SHALL APPLY TO ALL SIMILAR,
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- G. FAILURE TO ILLUSTRATE OR MENTION MINOR DETAILS SHALL NOT BE WARRANT FOR OMISSION OF NECESSARY APPURTENANCES FOR THE NORMAL, USUAL OR PROPER
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- IN LOCATIONS WHERE EXISTING TRANSFER GRILLES HAVE BEEN REMOVED AND NOT REPLACED, FILL OPENING WITH CMU PARTITION OF THE SAME RATING BY GENERAL
- K. IN LOCATIONS WHERE EXISTING DUCT WORK IS REMOVED FROM EXISTING CMU WALL, WALL MUST BE INFILLED WITH CMU WALL OF SIMILAR RATING BY GENERAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF DUCT WORK TO

I LOOK I LAN LLOLND			
SYMBOL/TAG	DESCRIPTION		
MATCHLINE 'A'	MATCHLINE W/PLAN REFERENCE		
ROOM NAME ROOM NAME ROOM NUMBER 150 SF ROOM AREA (IF PROVIDED)	ROOM IDENTIFICATION TAG		
(01-1)	DOOR AND DOOR TAG		
PARTITION TYPE DESIGNATION	PARTITION & TYPE IDENTIFICATION		
100.00'	SPOT ELEVATION		
₩1>	WINDOW IDENTIFICATION TAG		
FE	FIRE EXTINGUISHER HUNG WITH WALL BRACKET		
FE	EXISTING FIRE EXTINGUISHER HUNG WITH WALL BRACKET TO REMAIN.		
O P.B.	42" HIGH X 6" DIA. STEEL PIPE BOLLARD, CONCRETE FILLED WITH COVER SEE DETAIL		



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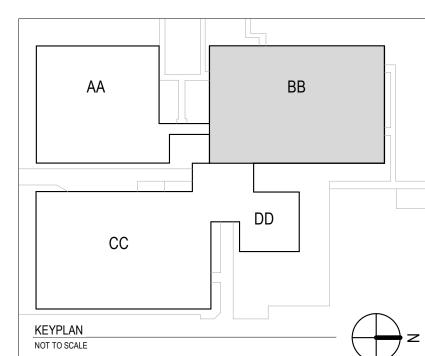




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FLOOR PLAN LEGEND				
SYMBOL/TAG	DESCRIPTION			
MATCHLINE 'A'	MATCHLINE W/PLAN REFERENCE			
ROOM NAME  ROOM NAME  ROOM NUMBER  150 SF  ROOM AREA (IF PROVIDED)	ROOM IDENTIFICATION TAG			
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PARTITION TYPE DESIGNATION	PARTITION & TYPE IDENTIFICATION			
100.00'	SPOT ELEVATION			
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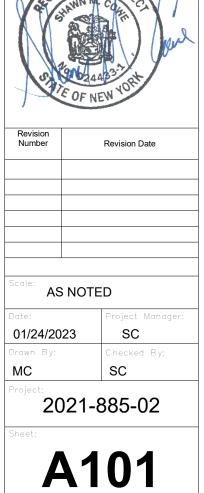
09 EXTEND CONCRETE LOADING DOCK, REF. STRUCTURAL DRAWINGS

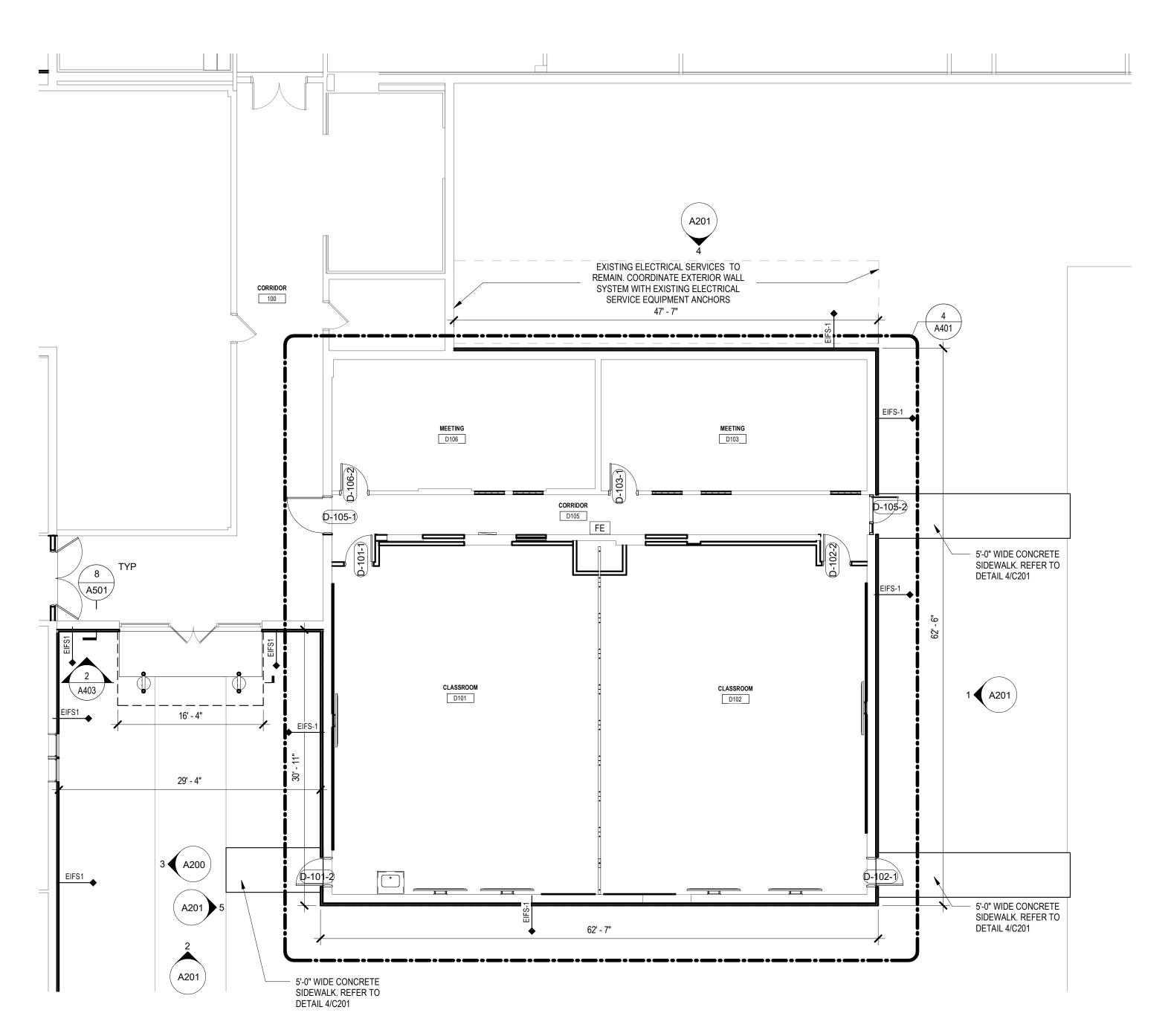


AD#









LEVEL 1 FLOOR PLAN - DD A102 1/8" = 1'-0"

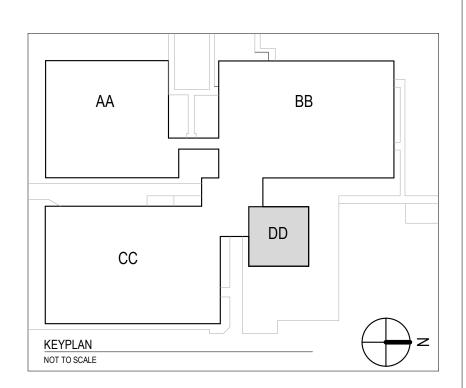


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- A. DO NOT SCALE THE DRAWINGS. IF THERE IS A MISSING DIMENSION, OR ONE THAT IS NOT CLEAR IN THE CONSTRUCTION DOCUMENTS, REQUEST CLARIFICATION OF THAT DIMENSION FROM THE ARCHITECT.
- B. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL LOCAL, STATE AND FEDERAL CODES AND REGULATIONS. WHERE A NON-COMPLIANT CONDITION OCCURS, THOSE CODES ARE TO TAKE PRECEDENCE OVER THE DRAWINGS AND SPECIFICATIONS. IF A DISCREPANCY IS DISCOVERED, INFORM THE ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH THE WORK.
- C. THE CONTRACTOR IS RESPONSIBLE FOR AND SHALL IMMEDIATELY VERIFY ALL DIMENSIONS, BOUNDARIES, GRADE ELEVATIONS, AND OTHER NECESSARY DIMENSIONAL GUIDES ON SITE AND COMPARE THEM TO THE CONSTRUCTION DOCUMENTS. IMMEDIATELY REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR CLARIFICATION AND DIRECTIVES ON HOW TO PROCEED.
- D. ALL DIMENSIONS PROVIDED ARE TO THE FACE OF SAID MATERIALS/CONSTRUCTION, UNLESS NOTED OTHERWISE. E. ALL DIMENSIONS, NOTES, FINISHES AND FIXTURES SHOWN ON THE FLOOR PLANS,
- SECTIONS, DETAILS, AND OTHER ILLUSTRATIONS SHALL APPLY TO ALL SIMILAR, OPPOSITE HAND, OR SYMMETRICAL PLANS, SECTIONS OR DETAILS. F. ALL NEW PARTITIONS/WALLS SHALL BE ALIGNED WITH THE CENTER, OR NEAREST EDGE (AS INDICATED ON THE DRAWINGS) OF EXISTING WALLS, COLUMNS, WINDOW
- OPENINGS, ETC. UNLESS OTHERWISE NOTED. G. FAILURE TO ILLUSTRATE OR MENTION MINOR DETAILS SHALL NOT BE WARRANT FOR OMISSION OF NECESSARY APPURTENANCES FOR THE NORMAL, USUAL OR PROPER COMPLETION OF THE WORK.
- H. COORDINATE ALL NEW ARCHITECTURAL WORK WITH THE ENGINEERING DESIGNS ISSUED AS PART OF THIS SET OF THESE CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND SECURITY SYSTEMS.
- IN LOCATIONS WHERE EXISTING TRANSFER GRILLES HAVE BEEN REMOVED AND NOT REPLACED, FILL OPENING WITH CMU PARTITION OF THE SAME RATING BY GENERAL CONTRACTOR. REFER TO M101 DWG.
- K. IN LOCATIONS WHERE EXISTING DUCT WORK IS REMOVED FROM EXISTING CMU WALL, WALL MUST BE INFILLED WITH CMU WALL OF SIMILAR RATING BY GENERAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF DUCT WORK TO BE DEMOLISHED AT EXISTING WALLS.

FLOOR PLA	FLOOR PLAN LEGEND				
SYMBOL/TAG	DESCRIPTION				
MATCHLINE 'A'	MATCHLINE W/PLAN REFERENCE				
ROOM NAME  ROOM NAME  ROOM NUMBER  150 SF  ROOM AREA (IF PROVIDED)	ROOM IDENTIFICATION TAG				
(101-1)	DOOR AND DOOR TAG				
PARTITION TYPE DESIGNATION	PARTITION & TYPE IDENTIFICATION				
100.00'	SPOT ELEVATION				
w <sub>1</sub>	WINDOW IDENTIFICATION TAG				
FE	FIRE EXTINGUISHER HUNG WITH WALL BRACKET				
FE_	EXISTING FIRE EXTINGUISHER HUNG WITH WALL BRACKET TO REMAIN.				
P.B.	42" HIGH X 6" DIA. STEEL PIPE BOLLARD, CONCRETE FILLED WITH COVER SEE DETAIL				

HAZARDOUS MATERIALS AWARENESS NOTE:
ASBESTOS CONTAINING MATERIAL AND LEAD PAINT IS PRESENT WITHIN THE BUILDING.
SEE ADDITIONAL RELEVANT KEYED NOTES FOR LOCATIONS IN AREAS OF WORK. CONTRACTOR RESPONSIBLE FOR TAKING THE PROPER PRECAUTIONS.







Revision Number Revision Date AS NOTED 01/24/2023 2021-885-02



**ROOF PLAN - BB BUILDING** 



- 1. ROOFING CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER DISCIPLINES FOR ALL ROOF PENETRATIONS AND INTEGRATED SYSTEMS, INCLUDING BUT NOT LIMITED TO MECHANICAL, PLUMBING, ELECTRICAL AND STRUCTURAL WORK.
- 2. CHECK PROJECTIONS, CURBS, DECK AND PARAPETS FOR ADEQUACY OF PROPER ANCHORING OF WORK. ALSO CHECK FOR FOREIGN MATERIAL, MOISTURE AND UNEVENNESS THAT WOULD PREVENT THE PROPER IMPLEMENTATION OF THE WORK.
- 3. ARRANGE WORK SEQUENCE TO AVOID USE OF NEWLY CONSTRUCTED ROOFING FOR STORAGE OF MATERIAL, WALKING SURFACE DURING CONSTRUCTION, AND EQUIPMENT MOVEMENT. WHERE SUCH ACCESS IS ABSOLUTELY REQUIRED, THE CONTRACTOR SHALL PROVIDE TEMPORARY AND NECESSARY PROTECTION AND/OR BARRIERS TO SEGREGATE THE WORK AREAS AND PREVENT DAMAGE TO ROOFING MEMBRANE. PLYWOOD AND POLYESTER FELT SHALL BE USED FOR ALL ROOFING AREAS TO RECEIVE TRAFFIC DURING CONSTRUCTION.
- 4. ALL WORK SHALL BE PROPERLY SCHEDULED AND EXECUTED WITHOUT EXPOSING THE INTERIOR OF THE BUILDING AREAS TO THE EFFECTS OF INCLEMENT WEATHER EVENTS. BUILDING AND CONTENTS SHALL BE PROTECTED AGAINST ALL RISKS. CONTRACTOR IS RESPONSIBLE TO REPAIR ANY WORK RESULTING FROM SUCH INCIDENTS, AT NO COST TO THE OWNER, TO THE LIKE-NEW CONDITIONS OF EXISTING CONDITIONS.
- 5. ALL NEW OR TEMPORARY CONSTRUCTION ITEMS INCLUDING EQUIPMENT AND ACCESSORIES SHALL BE SECURED IN SUCH A MANNER AT ALL TIMES TO PRECLUDE ANY POTENTIAL BLOW-OFF OR WIND DAMAGE.
- 6. INSULATION, ROOFING MATERIAL, FLASHINGS & TRIM AND VAPOR BARRIERS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS. MATERIALS SHALL BE APPLIED ONLY BY A CONTRACTOR AUTHORIZED BY THE ROOFING/ACCESSORY MANUFACTURER.
- 7. INSTALL SBS MODIFIED BITUMEN ROOFING SYSTEM, FLAT RIGID INSULATION (MINIMUM R-30) & VAPOR BARRIER PER DETAILS. INSTALL PRE-FINISHED METAL EDGE FLASHING TO INTEGRATE W/ ROOF SYSTEM.
- 8. INSTALL ROOF DRAIN INSERTS PER MANUACTURER'S RECOMMENDATION & ADAPT TO EXIST ROOF DRAINS AS REQUIRED TO INTEGRATE W/ ROOFING SYSTEM. SNAKE OUT DRAIN AND ASSURE THAT IT FLOWS FREELY WITHOUT ANY FLOW REDUCTION.
- 9. FLASH ALL CURBS, PENETRATIONS & ROOF-TO-WALL TRANSITIONS PER MANUFACTURER'S APPROVED DETAILS. REPLACE CURBS AS REQUIRED TO ACHIEVE A MINIMUM 12" HEIGHT ABOVE FINISH ROOF SURFACE WHERE TECHNICALLY FEASIBLE, 8" MINIMUM ELSEWHERE.
- 10. ALL WOOD BLOCKING TO BE PRESSURE TREATED. RE-TREAT CUT EDGES. ALL FASTENERS IN PRESSURE TREATED WOOD SHALL BE STAINLESS STEEL OR G-185 HOT DIPPED GALVANIZED STEEL.
- 11. COORDINATE REINSTALLATION & REWORKING OF EXIST EXHAUST FAN UNITS, MECHANICAL HOODS, & DUCTS AS REQUIRED.
- 12. ALL EXIST. DIMENSIONS ARE +/- AND ARE TO BE VERIFIED IN FIELD.
- 13. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE FUNCTIONALITY OF THE SYSTEM IS RESTORED TO EXISTING CONDITIONS FOR ANY DEVICE THAT EXTENDS, IS PIPED, AND/OR IS WIRED TO BELOW THE ROOF LINE. COORDINATE WITH THE OWNER FOR EQUIPMENT CONTROLS LOCATIONS AND SEQUENCES IN ORDER TO DEMONSTRATE THAT THE SYSTEM OPERATION IS RESTORED AT COMPLETION OF THE

### **ROOF LEGEND**

EXISTING ROOF DRAIN, PROVIDE RETROFIT DRAIN AND STRAINER. REFERENCE DETAIL ERD EXISTING RU

EEF1 EXISTING EXHAUST FAN TO BE REINSTALLED PROVIDE CURB. REFERENCE DETAIL 11 / A500

EEF2 EXISTING EXHAUST FAN . RE-USE EXISTING PENETRATION , PROVIDE CURB, FLASHING. REFERENCE DETAIL 11 / A500

EGV EXISTING GRAVITY VENT FAN TO BE REINSTALLED PROVIDE CURB. REFERENCE DETAIL

REINSTALL EXISTING ROOF TOP UNIT. PROVIDE CURB REFERENCE DETAIL 11 / A500

ERTU REFERENCE MECHANICAL DRAWINGS

DUCT PENETRATION.

EXISTING VENT REFERENCE DETAIL 6 / A500

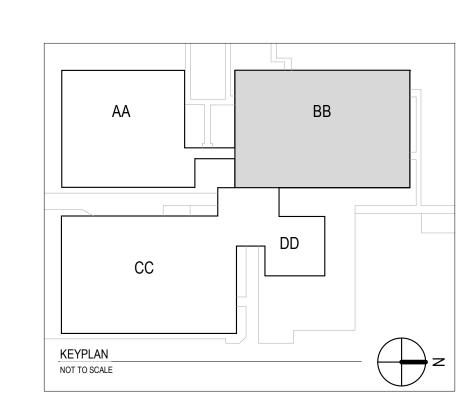
EXISTING CAMERA REFERENCE ELECTRICAL DRAWINGS.

CRICKET SLOPED AT 1/2":12"

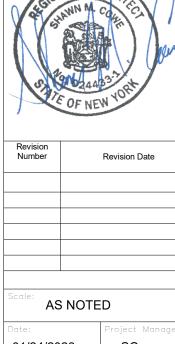
HP LP HIGH POINT/ LOW POINT

SLOPE — ROOF SLOPE DOWN IN THE DIRECTION INDICATED

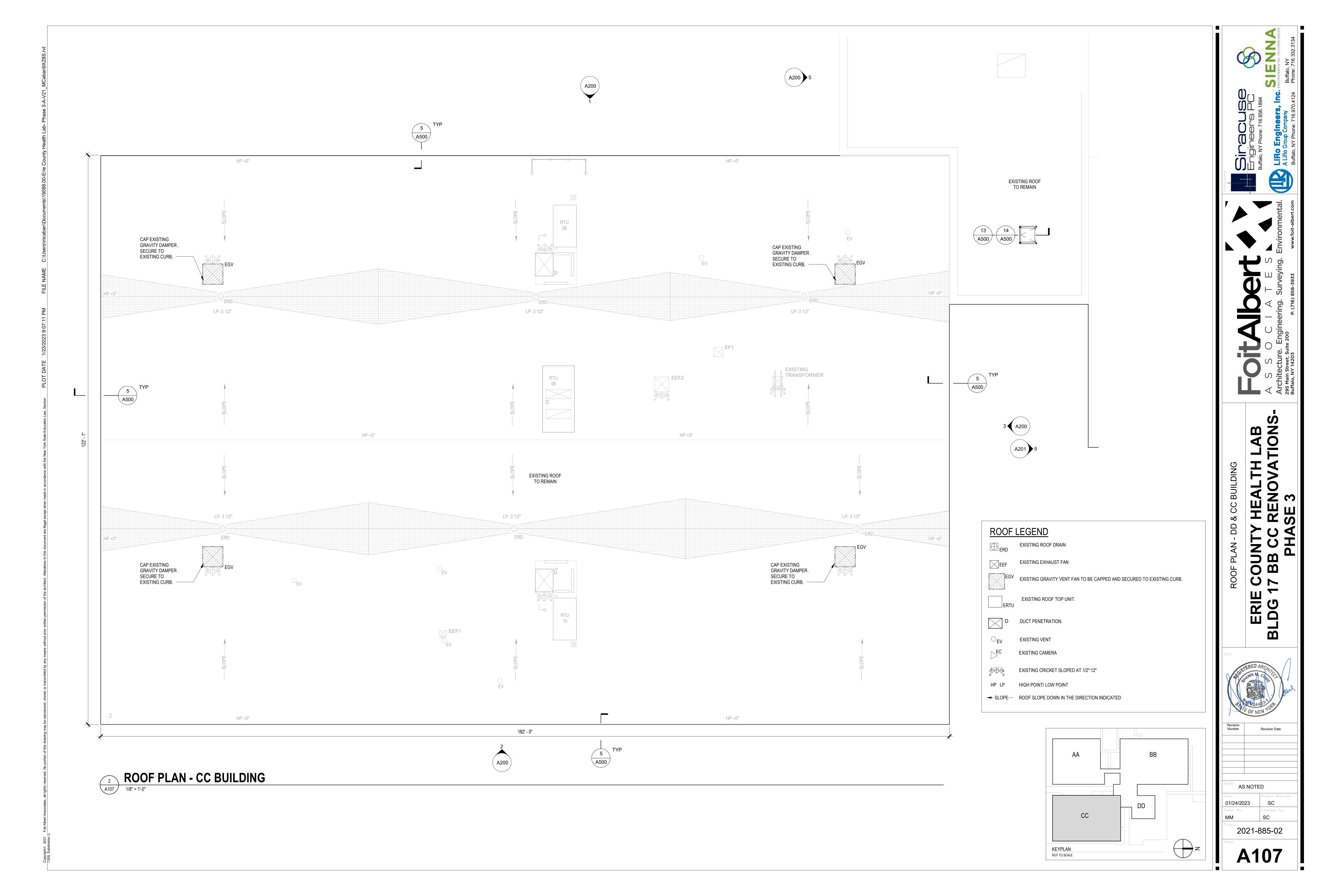
EF1 EXHAUST FAN. PROVIDE CURB. REFERENCE DETAIL 11/ A500.



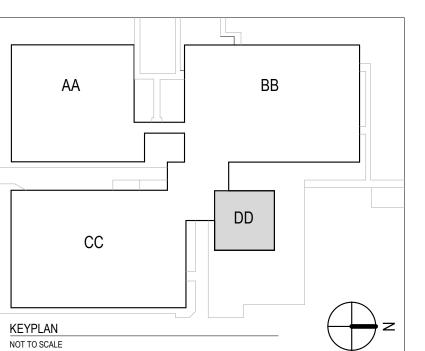




01/24/2023 2021-885-02



ROOF PLAN - DD BUILDING



### **ROOF PLAN GENERAL NOTES**

- ROOFING CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER DISCIPLINES FOR ALL ROOF PENETRATIONS AND INTEGRATED SYSTEMS, INCLUDING BUT NOT LIMITED TO MECHANICAL, PLUMBING, ELECTRICAL AND STRUCTURAL WORK.
- 2. CHECK PROJECTIONS, CURBS, DECK AND PARAPETS FOR ADEQUACY OF PROPER ANCHORING OF WORK. ALSO CHECK FOR FOREIGN MATERIAL, MOISTURE AND UNEVENNESS THAT WOULD PREVENT THE PROPER IMPLEMENTATION OF THE WORK.
- 3. ARRANGE WORK SEQUENCE TO AVOID USE OF NEWLY CONSTRUCTED ROOFING FOR STORAGE OF MATERIAL, WALKING SURFACE DURING CONSTRUCTION, AND EQUIPMENT MOVEMENT. WHERE SUCH ACCESS IS ABSOLUTELY REQUIRED, THE CONTRACTOR SHALL PROVIDE TEMPORARY AND NECESSARY PROTECTION AND/OR BARRIERS TO SEGREGATE THE WORK AREAS AND PREVENT DAMAGE TO ROOFING MEMBRANE. PLYWOOD AND POLYESTER FELT SHALL BE USED FOR ALL ROOFING AREAS TO RECEIVE TRAFFIC DURING CONSTRUCTION.
- 4. ALL WORK SHALL BE PROPERLY SCHEDULED AND EXECUTED WITHOUT EXPOSING THE INTERIOR OF THE BUILDING AREAS TO THE EFFECTS OF INCLEMENT WEATHER EVENTS. BUILDING AND CONTENTS SHALL BE PROTECTED AGAINST ALL RISKS. CONTRACTOR IS RESPONSIBLE TO REPAIR ANY WORK RESULTING FROM SUCH INCIDENTS, AT NO COST TO THE OWNER, TO THE LIKE-NEW CONDITIONS OF EXISTING CONDITIONS.
- ALL NEW OR TEMPORARY CONSTRUCTION ITEMS INCLUDING EQUIPMENT AND ACCESSORIES SHALL BE SECURED IN SUCH A MANNER AT ALL TIMES TO PRECLUDE ANY POTENTIAL BLOW-OFF OR WIND DAMAGE.
- 6. INSULATION, ROOFING MATERIAL, FLASHINGS & TRIM AND VAPOR BARRIERS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS. MATERIALS SHALL BE APPLIED ONLY BY A CONTRACTOR AUTHORIZED BY THE ROOFING/ACCESSORY MANUFACTURER.
- INSTALL SBS MODIFIED BITUMEN ROOFING SYSTEM, FLAT RIGID INSULATION (MINIMUM R-30) & VAPOR BARRIER PER DETAILS. INSTALL PRE-FINISHED METAL EDGE FLASHING TO INTEGRATE W/ ROOF SYSTEM.
- 8. INSTALL ROOF DRAIN INSERTS PER MANUACTURER'S RECOMMENDATION & ADAPT TO EXIST ROOF DRAINS AS REQUIRED TO INTEGRATE W/ ROOFING SYSTEM. SNAKE OUT DRAIN AND ASSURE THAT IT FLOWS FREELY WITHOUT ANY FLOW REDUCTION.
- FLASH ALL CURBS, PENETRATIONS & ROOF-TO-WALL TRANSITIONS PER MANUFACTURER'S APPROVED DETAILS. REPLACE CURBS AS REQUIRED TO ACHIEVE A MINIMUM 12" HEIGHT ABOVE FINISH ROOF SURFACE WHERE TECHNICALLY FEASIBLE, 8" MINIMUM ELSEWHERE.
- FASTENERS IN PRESSURE TREATED WOOD SHALL BE STAINLESS STEEL OR G-185 HOT DIPPED GALVANIZED STEEL.

10. ALL WOOD BLOCKING TO BE PRESSURE TREATED. RE-TREAT CUT EDGES. ALL

- 11. COORDINATE REINSTALLATION & REWORKING OF EXIST EXHAUST FAN UNITS, MECHANICAL HOODS, & DUCTS AS REQUIRED.
- 12. ALL EXIST. DIMENSIONS ARE +/- AND ARE TO BE VERIFIED IN FIELD.
- 13. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE FUNCTIONALITY OF THE SYSTEM IS RESTORED TO EXISTING CONDITIONS FOR ANY DEVICE THAT EXTENDS, IS PIPED, AND/OR IS WIRED TO BELOW THE ROOF LINE. COORDINATE WITH THE OWNER FOR EQUIPMENT CONTROLS LOCATIONS AND SEQUENCES IN ORDER TO DEMONSTRATE THAT THE SYSTEM OPERATION IS RESTORED AT COMPLETION OF THE WORK

### ROOF KEY NOTES (R)

- 01 INSTALL NEW MECHANICAL CURB PER DETAIL 11 / A500. SET TOP UNIT AND CONNECT DUCTWORK,
- ELECTRICAL AND GAS SERVICE.

  02 PROVIDE EQUIPMENT RAILS REFERENCE DET 7 / A500
- 03 PROVIDE PITCH POCKET AT GAS LINE PENETRATION REFERENCE DET 4 / A500 REFERENCE PLUMBING
- 04 PROVIDE PITCH POCKET AT ELECTRICAL CONDUIT PENETRATION REFERENCE DET 4 / A500 REFERENCE FLECTRICAL DRAWINGS
- 05 EXISTING ROOF TOP UNIT TO REMAIN. REFERENCE DETAIL 10/A500 AND MECHANICAL DRAWINGS.
- BALLASTED 42" HIGH SAFTEY GUARDRAIL. WITH A 36" RETURN ON BOTH ENDS.
   SBS ROOF ASSEMBLY. REF DETAIL 1/A500

### **ROOF LEGEND**

EXISTING ROOF DRAIN,PROVIDE RETROFIT DRAIN AND STRAINER. REFERENCE DETAIL 9 / A500

EXISTING EXHAUST FAN TO BE REINSTALLED PROVIDE CURB. REFERENCE DETAIL

11 / A500

EEF2 EXISTING EXHAUST FAN . RE-USE EXISTING PENETRATION , PROVIDE CURB, FLASHING. REFERENCE DETAIL 11 / A500

EXISTING GRAVITY VENT FAN TO BE REINSTALLED PROVIDE CURB. REFERENCE DETAIL

11 / A500

REINSTALL EXISTING ROOF TOP UNIT. PROVIDE CURB REFERENCE DETAIL 11 / A500

ERTU REFERENCE MECHANICAL DRAWINGS

D DUCT PENETRATION.

EXISTING VENT REFERENCE DETAIL 6 / A500

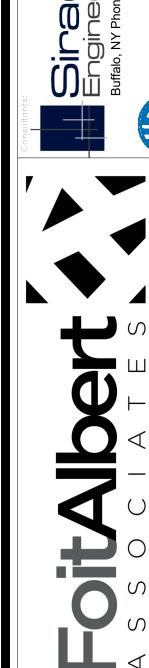
EC EXISTING CAMERA REFERENCE ELECTRICAL DRAWINGS.

CRICKET SLOPED AT 1/2":12"

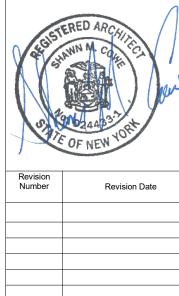
HP LP HIGH POINT/ LOW POINT

→ SLOPE — ROOF SLOPE DOWN IN THE DIRECTION INDICATED

EXHAUST FAN. PROVIDE CURB. REFERENCE DETAIL 11/ A500.



SIE COUNTY HEALTH G 17 BB CC RENOVAT



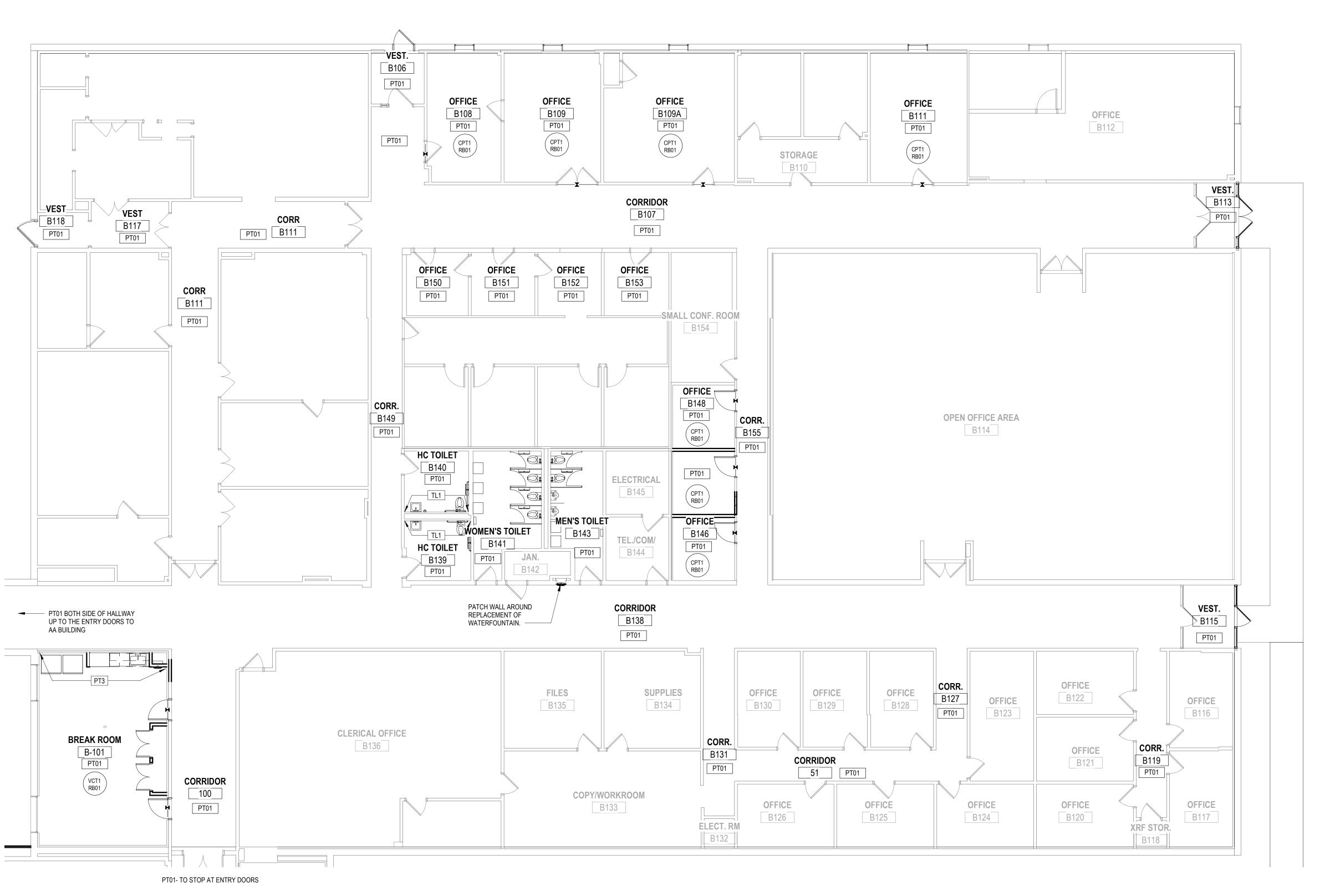
Scale: AS NOTED

Date: Project Manage 01/24/2023 SC

Drawn By: Checked By: SC

Project: 2021-885-02

Sheet:



FIRST FLOOR-FINISH FLOOR PLAN - BB

### ROOM FINISH GENERAL NOTES

- FAILURE TO ILLUSTRATE OR INDICATE MINOR DETAILS THAT ARE NECESSARY FOR THE PROPER INSTALLATION OF ANY MATERIAL SHALL NOT BE WARRANT FOR THE OMISSION OF THOSE APPURTENANCES FOR THE NORMAL, USUAL OR STANDARD COMPLETION OF THE WORK.
- IN ADDITION TO THIS INFORMATION AND FINISH PLANS AND SCHEDULES PROVIDED, REFERENCE INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.
   IF COLOR OR FINISH IS NOT SPECIFIED FOR ANY PART OF THE PROJECT, CONTACT THE
- IF THERE IS ANY DISCREPANCY BETWEEN FINISH PLANS, SCHEDULES, ELEVATIONS OR OTHER DETAILS, REQUIRED CLARIFICATION OF THE ARCHITECT PRIOR TO THE PURCHASE OR INSTALLATION OF MATERIALS.
- 5. ORIENTATION OF MATERIAL IS INDICATED ON THE DRAWINGS OR WITHIN THE
- 6. THE CONTRACTOR SHALL REVIEW MATERIALS FOR ANY DEFECTS PRIOR TO INSTALLATION. IF DEFECTS ARE DISCOVERED, DO NOT PROCEED WITH THE INSTALLATION UNTIL ACCEPTABLE MATERIAL IS OBTAINED, CONTACT THE ARCHITECT IMMEDIATELY
- 7. SUBMITTALS SHALL BE ISSUED FOR APPROVAL BY THE ARCHITECT IN A TIMELY MANNER, AND LONG LEAD ITEMS SHALL BE IDENTIFIED DURING THE CONSTRUCTION OF THE PROJECT TO ALLEVIATE ANY SCHEDULE DELAYS.
- 8. SCRIBE ALL FLOORING MATERIALS AROUND PERMANENT OBSTRUCTIONS OR INSTALLATIONS CLOSELY AND TIGHTLY.
- WHERE REQUIRED, USE COORDINATING AND APPROVED FLOORING TRANSITIONS.
  THESE MAY BE FOUND WITHIN THE SCHEDULE OR DETAILS PROVIDED ON THE
  DRAWINGS.
- ALL PAINTABLE MECHANICAL DEVICES, INCLUDING BUT NOT LIMITED TO CABINETS, CONDUITS AND COVERS, SHALL BE PAINTED TO MATCH THE ADJACENT WALL OR CEILING SURFACES, UNLESS PROHIBITED BY THE MANUFACTURER OR BY CODE.
- 11. ALL PLASTIC LAMINATED COUNTERTOPS AND BACKSPLASHES SHALL BE SELF-EDGE AND INTEGRAL POST-FORMED CONSTRUCTION UNLESS DETAILED OTHERWISE.
- REF A600 FOR EXISTING DOORS TO BE PAINTED PER THIS CONTRACT.
   AT ALL LOCATIONS WHERE CMU IS INSTALLED, BLOCK FILLER IS REQUIRED AT ALL NEW SURFACES TO RECEIVE PAINT.
- 14. EXISTING BB BUILDING PROJECT SCOPE:
  -50 LINEAR FOOT OF WALL BASE TO BE INSTALLED BY GENERAL CONTRACTOR. OWNER
  TO PROVIDE WALL BASE.
- -500 SQ FT OF PAINT TO MATCH EXISTING. GENERAL CONTRACTOR TO PROVIDE PAINT AND LABOR.
- 15. PAINT ALL CORRIDORS IN BUILDING BB.

ARCHITECT FOR CLARIFICATION.

### FINISH PLAN SYMBOL LEGEND

FLOOR FINISH PER SCHEDULE
(ENTIRE ROOM UON)

BASE FINISH PER SCHEDULE

PT-1 WALL/CEILING PAINT FINISH OR MISC. FINISH PER SCHEDULE

**NOTE**: REFERENCE ROOM FINISH SELECTION SCHEDULE FOR PRODUCT TYPES IN CALLOUTS

(ENTIRE ROOM UON)

FLOOR TRANSITION

### FINISH MATERIAL SCHEDULE

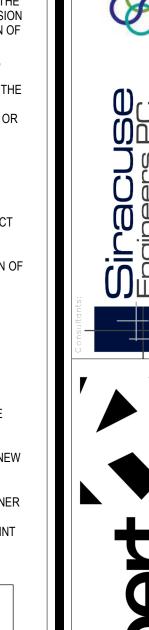
MARK	MATERIAL	BASIS OF DESIGN	SPEC SECTION
CONC	Sealed Concrete	W.R. Meadows, Intraguard Silane/Siloxane Sealing Compound	03 01 30
VCT1	Resilient Flooring	Armstrong Premium Excelon Raffia Stream Diamond 10, Avalanche Z5900	09 6519
PT01	Paint	Benjamin Moore, Decorator White	099123
PT02	Paint	Benjamin Moore, Custom Color, To Match Existing Exposed Ceiling	099123
PT03	Paint	Benjamin Moore, Downpour Blue, 2063-20	099123
PL1	Plastic Laminate	Formica, Danish Maple 8906-58	06423
RB01	Rubber Base	Tarkett 4" Wall Base, 20 Charcoal WG	096513
TL01	Porcelain Tile	Daltile, Classic, Matte Arctic White	096519
ACT-1	Acoustical Ceiling Panels	Armstrong Ultima 1913	095113
ACT-2	Acoustical Ceiling Panels	Armstrong Soundscapes Basics	095113
CT1	Quartz Countertop	DuPont Zodiaq, Snowdrift	066119
CPT1	Carpet Tile	Shaw Contract Group, Surround Tile, Storm Cloud	096813
ACP1	Acoustical Wall Panel	Carnegie , Fabric Wrapped Wall Panel, Channel	096813
CG1	16 GA Stainless Steel Corner Guard, Extending from finished floor to 6'-0" AFF.		

EXISTING FINISH TO REMAIN

AA

CC

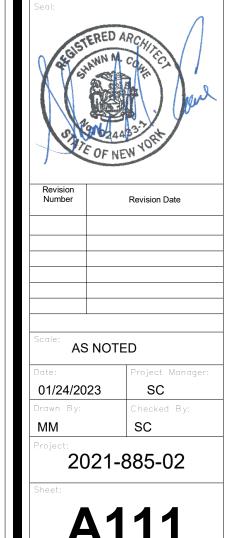
KEYPLAN NOT TO SCALE

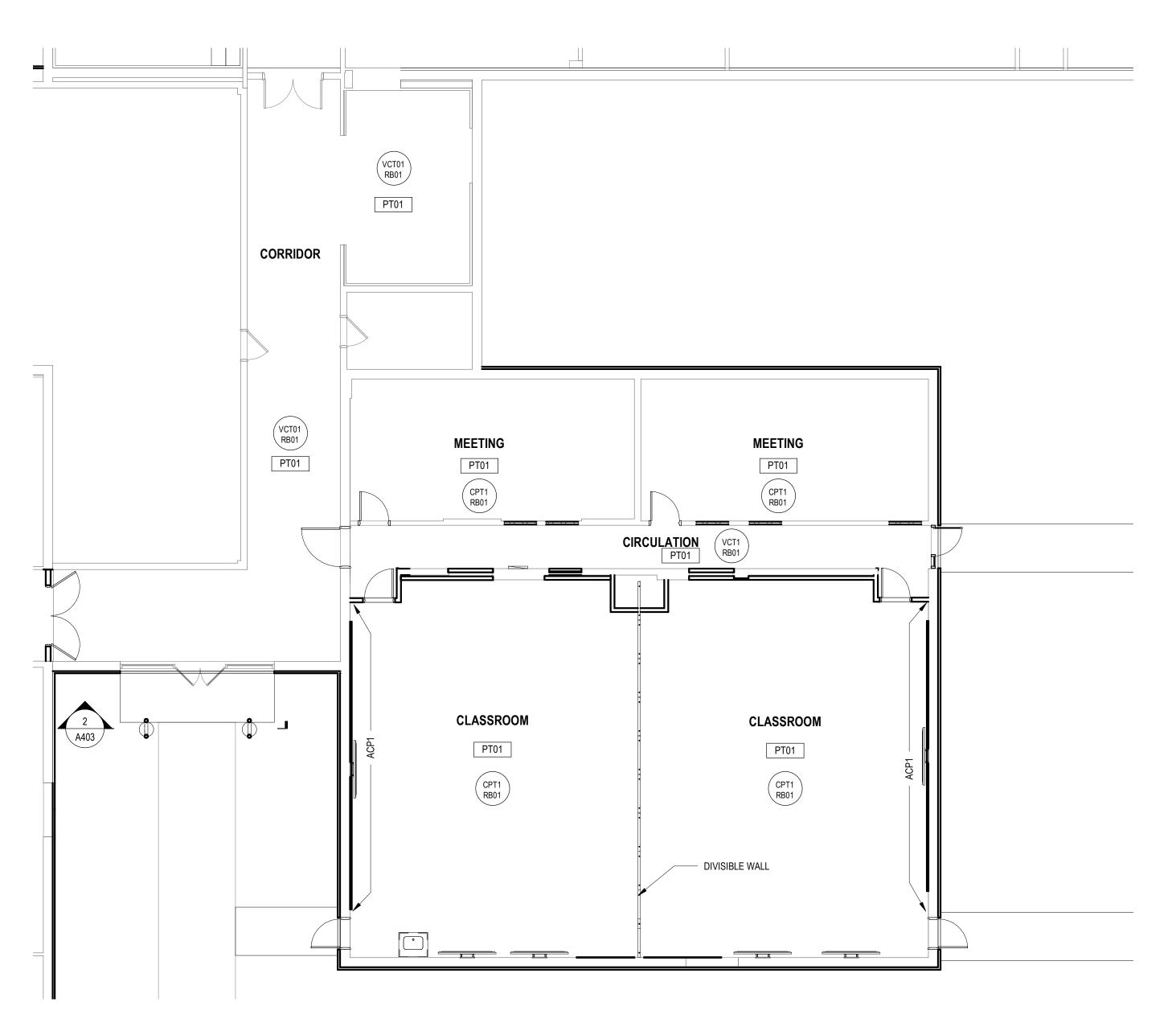


JNTY HEALTH LAB

3 CC RENOVATIONS

ERIE COUN BLDG 17 BB





FIRST FLOOR- FINISH FLOOR PLAN - DD

1/8" = 1'-0"

ROOM FINISH GENERAL NOTES

- FAILURE TO ILLUSTRATE OR INDICATE MINOR DETAILS THAT ARE NECESSARY FOR THE PROPER INSTALLATION OF ANY MATERIAL SHALL NOT BE WARRANT FOR THE OMISSION OF THOSE APPURTENANCES FOR THE NORMAL, USUAL OR STANDARD COMPLETION OF
- IN ADDITION TO THIS INFORMATION AND FINISH PLANS AND SCHEDULES PROVIDED, REFERENCE INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION. 3. IF COLOR OR FINISH IS NOT SPECIFIED FOR ANY PART OF THE PROJECT, CONTACT THE ARCHITECT FOR CLARIFICATION.
- 4. IF THERE IS ANY DISCREPANCY BETWEEN FINISH PLANS, SCHEDULES, ELEVATIONS OR OTHER DETAILS, REQUIRED CLARIFICATION OF THE ARCHITECT PRIOR TO THE PURCHASE OR INSTALLATION OF MATERIALS.
- 5. ORIENTATION OF MATERIAL IS INDICATED ON THE DRAWINGS OR WITHIN THE
- 6. THE CONTRACTOR SHALL REVIEW MATERIALS FOR ANY DEFECTS PRIOR TO INSTALLATION. IF DEFECTS ARE DISCOVERED, DO NOT PROCEED WITH THE INSTALLATION UNTIL ACCEPTABLE MATERIAL IS OBTAINED, CONTACT THE ARCHITECT
- 7. SUBMITTALS SHALL BE ISSUED FOR APPROVAL BY THE ARCHITECT IN A TIMELY MANNER, AND LONG LEAD ITEMS SHALL BE IDENTIFIED DURING THE CONSTRUCTION OF THE PROJECT TO ALLEVIATE ANY SCHEDULE DELAYS.
- 8. SCRIBE ALL FLOORING MATERIALS AROUND PERMANENT OBSTRUCTIONS OR INSTALLATIONS CLOSELY AND TIGHTLY. 9. WHERE REQUIRED, USE COORDINATING AND APPROVED FLOORING TRANSITIONS.
- THESE MAY BE FOUND WITHIN THE SCHEDULE OR DETAILS PROVIDED ON THE DRAWINGS.
- 10. ALL PAINTABLE MECHANICAL DEVICES, INCLUDING BUT NOT LIMITED TO CABINETS, CONDUITS AND COVERS, SHALL BE PAINTED TO MATCH THE ADJACENT WALL OR CEILING SURFACES, UNLESS PROHIBITED BY THE MANUFACTURER OR BY CODE.
- 11. ALL PLASTIC LAMINATED COUNTERTOPS AND BACKSPLASHES SHALL BE SELF-EDGE AND INTEGRAL POST-FORMED CONSTRUCTION UNLESS DETAILED OTHERWISE. 12. REF A600 FOR EXISTING DOORS TO BE PAINTED PER THIS CONTRACT.
- 13. AT ALL LOCATIONS WHERE CMU IS INSTALLED, BLOCK FILLER IS REQUIRED AT ALL NEW SURFACES TO RECEIVE PAINT. 14. EXISTING BB BUILDING PROJECT SCOPE:
- -50 LINEAR FOOT OF WALL BASE TO BE INSTALLED BY GENERAL CONTRACTOR. OWNER TO PROVIDE WALL BASE. -500 SQ FT OF PAINT TO MATCH EXISTING. GENERAL CONTRACTOR TO PROVIDE PAINT AND LABOR.
- 15. PAINT ALL CORRIDORS IN BUILDING BB.



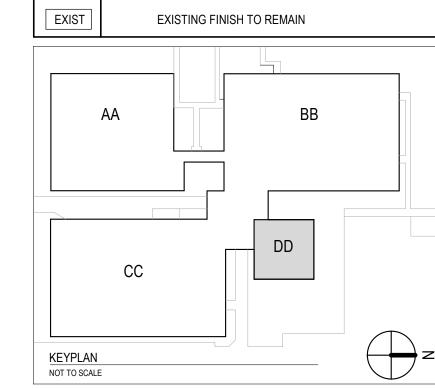


OR MISC. FINISH PER SCHEDULE NOTE: REFERENCE ROOM FINISH SELECTION SCHEDULE FOR PRODUCT TYPES IN CALLOUTS

FLOOR TRANSITION

### FINISH MATERIAL SCHEDULE

MARK	MATERIAL	BASIS OF DESIGN	SPEC SECTION
CONC	Sealed Concrete	W.R. Meadows, Intraguard Silane/Siloxane Sealing Compound	03 01 30
VCT1	Resilient Flooring	Armstrong Premium Excelon Raffia Stream Diamond 10, Avalanche Z5900	09 6519
PT01	Paint	Benjamin Moore, Decorator White	099123
PT02	Paint	Benjamin Moore, Custom Color, To Match Existing Exposed Ceiling	099123
PT03	Paint	Benjamin Moore, Downpour Blue, 2063-20	099123
PL1	Plastic Laminate	Formica, Danish Maple 8906-58	06423
RB01	Rubber Base	Tarkett 4" Wall Base, 20 Charcoal WG	096513
TL01	Porcelain Tile	Daltile, Classic, Matte Arctic White	096519
ACT-1	Acoustical Ceiling Panels	Armstrong Ultima 1913	095113
ACT-2	Acoustical Ceiling Panels	Armstrong Soundscapes Basics	095113
CT1	Quartz Countertop	DuPont Zodiaq, Snowdrift	066119
CPT1	Carpet Tile	Shaw Contract Group, Surround Tile, Storm Cloud	096813
ACP1	Acoustical Wall Panel	Carnegie , Fabric Wrapped Wall Panel, Channel	096813
CG1	16 GA Stainless Steel Corner Guard, Extending from finished floor to 6'-0" AFF.		







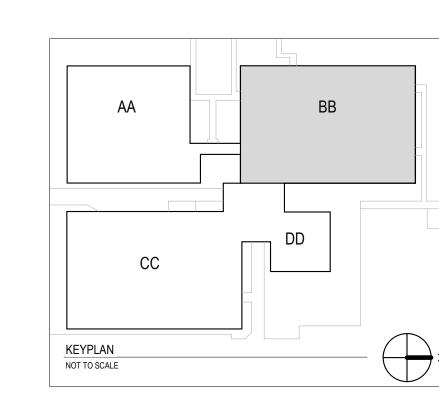


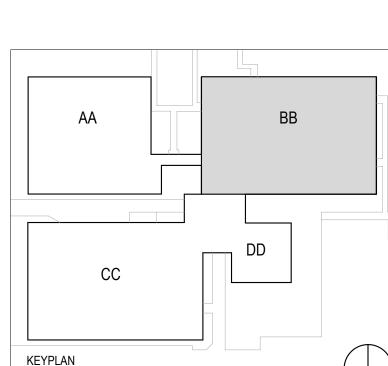


#### **CEILING PLAN NOTES**

- 1. ALL CEILINGS SHALL BE INSTALLED AT THE HEIGHT ABOVE FINISH FLOOR, AS INDICATED ON THE REFLECTED CEILING PLANS.
- CONSIDER SEQUENCING INSTALLATION OF CEILING MATERIALS ONLY AFTER ALL OVERHEAD WORK IS COMPLETED, INCLUDING BUT NOT LIMITED TO MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION SYSTEMS. THOSE SYSTEMS SHOULD BE TESTED AND APPROVED BEFORE THE CEILING IS INSTALLED.
- VERIFY CEILING LAYOUTS AND HEIGHTS WITH ACTUAL FIELD CONDITIONS AND MEASUREMENTS PRIOR TO INSTALLATION. VERIFY LOCATION OF PENETRATING SYSTEMS IN THE FIELD.
- 4. SUPPORT SUSPENDED SYSTEMS INDEPENDENT OF WALLS, COLUMNS, DUCTS, PIPES AND CONDUIT. MAINTAIN FACE PLACE WITH ADJACENT MEMBERS WHEN SPLICING CARRYING TEES. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS.
- USE PROPERLY PLACED AND SUSPENDED LOAD-CARRYING FRAME CHANNELS TO MAINTAIN HANGER SPACING AND VERTICAL POSITION WHEN INTERRUPTED BY MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT, OR ANY OTHER HORIZONTALLY RUN EQUIPMENT.
- COORDINATE WITH ALL OTHER WORK SUPPORTED BY OR PENETRATING THE CEILING SYSTEMS, WHICH MAY BE MECHANICAL OR ELECTRICAL SYSTEMS INCLUDING BUT NOT LIMITED TO RETURN AND SUPPLY AIR DIFFUSERS, LIGHT FIXTURES, EMERGENCY LIGHTING, EXIT SIGNS, FIRE DETECTIONS SYSTEMS, FIRE SUPPRESSION SYSTEMS, AUDIO AND VISUAL EQUIPMENT.
- FOR SELECTION AND INSTALLATION OF ELECTRICAL INTERIOR LIGHTING, REFERENCE ELECTRICAL ENGINEERING DRAWINGS AND WRITTEN SPECIFICATIONS, DIVISION 26, INCLUDING LIGHTING AND WIRING DEVICES.
- CONTRACTOR IS REQUIRED TO FOLLOW ALL CODES AND REGULATIONS FOR SUPPORTING FIRE PROTECTION SPRINKLER SYSTEMS APPROPRIATELY, REFERENCE WRITTEN SPECIFICATIONS SECTION 21 0500 FOR COMMON WORK RESULTS FOR FIRE PROTECTION.
- NEW LIGHT FIXTURES SHALL HAVE NEW LIGHT SWITCHING WHICH SHALL BE ADJACENT TO OR INCORPORATED IN A NEW ELECTRICAL SWITCH BOX, COORDINATE FINAL LOCATIONS WITH THE OWNER, AND DIRECTIVES ON THE ELECTRICAL ENGINEERING DRAWINGS AND WRITTEN SPECIFICATIONS.

CEILING PLAN LEGEND								
SYMBOL/TAG	DESCRIPTION							
MATCHLINE 'A'	MATCHLINE W/PLAN REFERENCE							
ROOM NAME ROOM NAME ROOM NUMBER  150 SF ROOM AREA (IF PROVIDED)	ROOM IDENTIFICATION TAG							
GYP  10'-0" AFF*  CEILING TYPE  CEILING HEIGHT  *TME- TO MATCH  EXISTING	CEILING HEIGHT/TYPE TAG							
	SUSPENDED GYPSUM WALLBOARD CEILING ASSEMBLY							
	SUSPENDED GRID AND PANEL CEILING ASSEMBLY							
•	SPRINKLER HEAD LOCATION IF APPLICABLE.							
LX OLX DLX	VARIOUS LIGHT FIXTURES AND CALLOUTS - REFERENCE ELECTRICAL DWGS (L1, L2)							
XX	EXIT SIGN LIGHT FIXTURES AND CALLOUTS - REFERENCE ELECTRICAL DWGS (X1, X2)							
EXHAUST RETURN SUPPLY	MECHANICAL AIR DIFFUSERS/GRILLES REFERENCE MECHANICAL DRAWINGS							



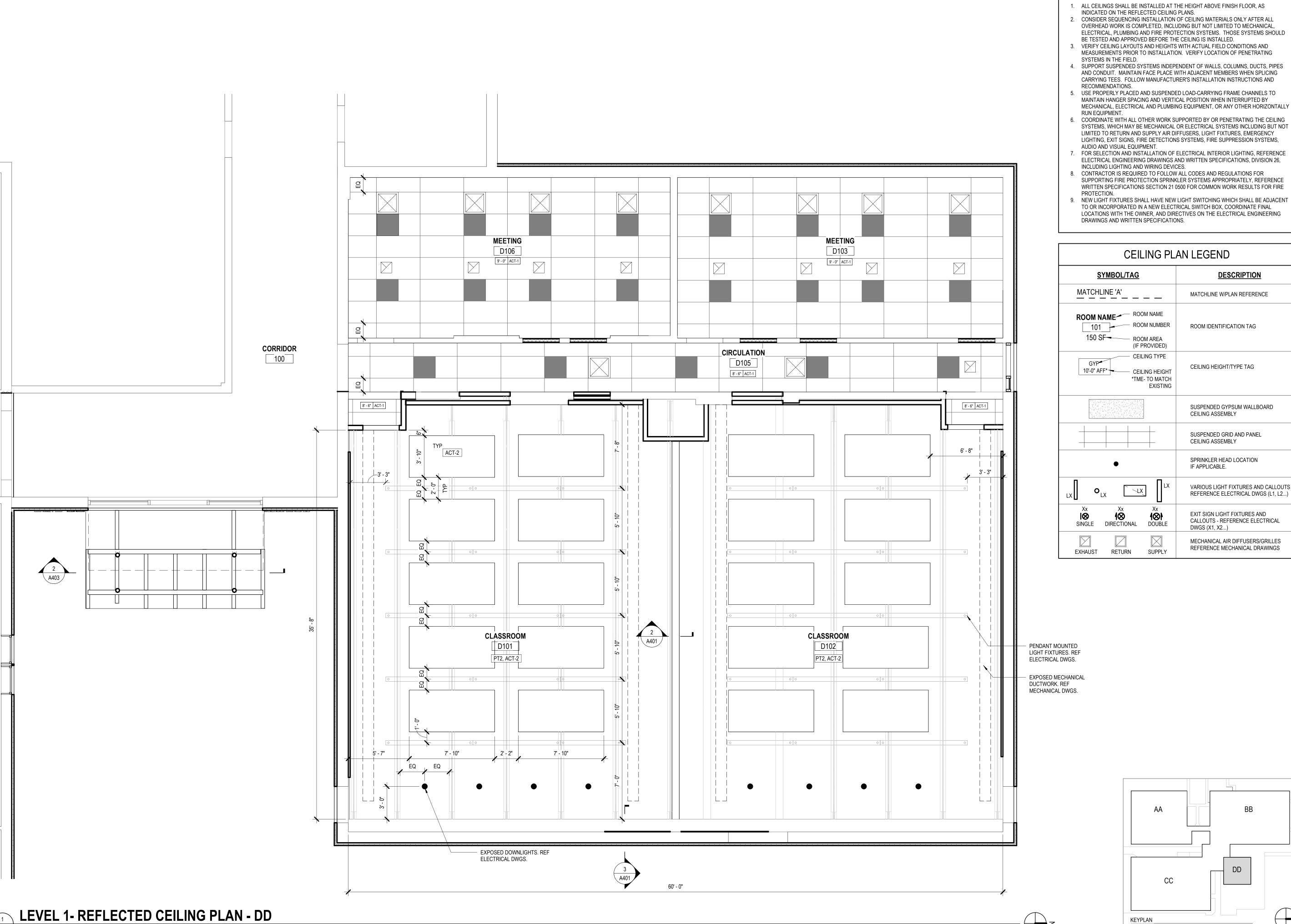


AS NOTED 01/24/2023 2021-885-02

**A121** 

LEVEL 1- REFLECTED CEILING PLAN - BB

1/8" = 1'-0"



A122 1/4" = 1'-0"

#### **CEILING PLAN NOTES**

- 2. CONSIDER SEQUENCING INSTALLATION OF CEILING MATERIALS ONLY AFTER ALL OVERHEAD WORK IS COMPLETED, INCLUDING BUT NOT LIMITED TO MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION SYSTEMS. THOSE SYSTEMS SHOULD
- VERIFY CEILING LAYOUTS AND HEIGHTS WITH ACTUAL FIELD CONDITIONS AND MEASUREMENTS PRIOR TO INSTALLATION. VERIFY LOCATION OF PENETRATING
- AND CONDUIT. MAINTAIN FACE PLACE WITH ADJACENT MEMBERS WHEN SPLICING CARRYING TEES. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS AND
- MAINTAIN HANGER SPACING AND VERTICAL POSITION WHEN INTERRUPTED BY MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT, OR ANY OTHER HORIZONTALLY
- COORDINATE WITH ALL OTHER WORK SUPPORTED BY OR PENETRATING THE CEILING SYSTEMS, WHICH MAY BE MECHANICAL OR ELECTRICAL SYSTEMS INCLUDING BUT NOT LIMITED TO RETURN AND SUPPLY AIR DIFFUSERS, LIGHT FIXTURES, EMERGENCY LIGHTING, EXIT SIGNS, FIRE DETECTIONS SYSTEMS, FIRE SUPPRESSION SYSTEMS,
- ELECTRICAL ENGINEERING DRAWINGS AND WRITTEN SPECIFICATIONS, DIVISION 26,
- SUPPORTING FIRE PROTECTION SPRINKLER SYSTEMS APPROPRIATELY, REFERENCE WRITTEN SPECIFICATIONS SECTION 21 0500 FOR COMMON WORK RESULTS FOR FIRE
- TO OR INCORPORATED IN A NEW ELECTRICAL SWITCH BOX, COORDINATE FINAL LOCATIONS WITH THE OWNER, AND DIRECTIVES ON THE ELECTRICAL ENGINEERING

CEILING PLAN LEGEND								
SYMBOL/TAG	DESCRIPTION							
MATCHLINE 'A'	MATCHLINE W/PLAN REFERENCE							
ROOM NAME  ROOM NAME  ROOM NUMBER  ROOM AREA (IF PROVIDED)	ROOM IDENTIFICATION TAG							
CEILING TYPE  GYP  10'-0" AFF*  CEILING HEIGHT  *TME- TO MATCH  EXISTING	CEILING HEIGHT/TYPE TAG							
	SUSPENDED GYPSUM WALLBOARD CEILING ASSEMBLY							
	SUSPENDED GRID AND PANEL CEILING ASSEMBLY							
•	SPRINKLER HEAD LOCATION IF APPLICABLE.							
LX OLX LX	VARIOUS LIGHT FIXTURES AND CALLOUTS - REFERENCE ELECTRICAL DWGS (L1, L2)							
XX XX XX XX XX IS	EXIT SIGN LIGHT FIXTURES AND CALLOUTS - REFERENCE ELECTRICAL DWGS (X1, X2)							
	MECHANICAL AIR DIFFUSERS/GRILLES REFERENCE MECHANICAL DRAWINGS							

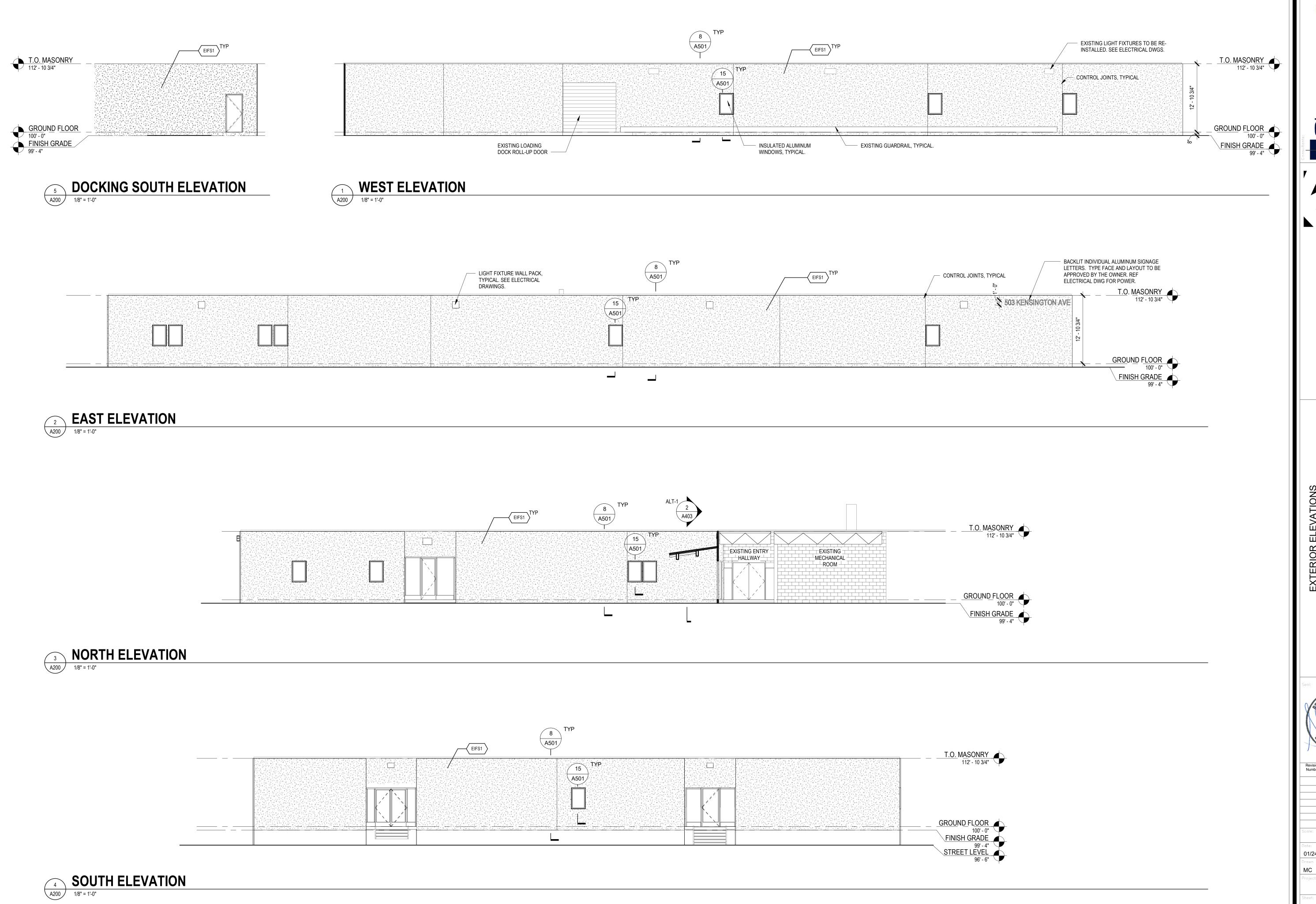
NOT TO SCALE

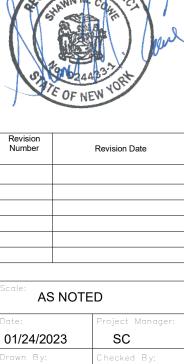


Revision Number Revision Date AS NOTED 01/24/2023 2021-885-02 **A122** 

Z

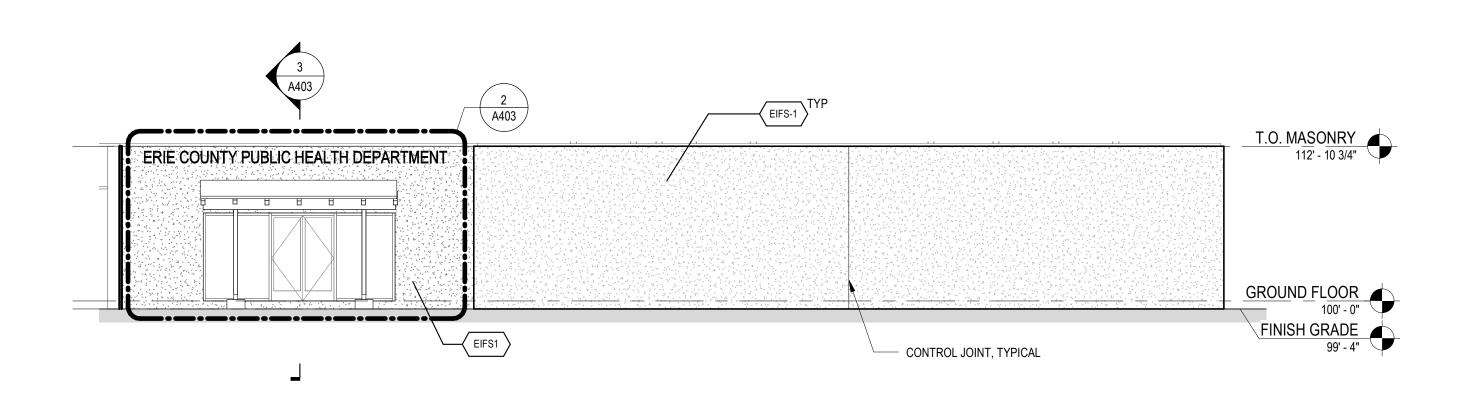
DD BUII

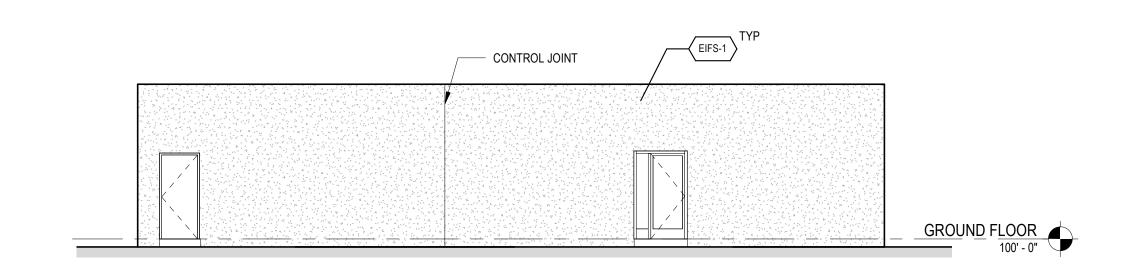




2021-885-02

**A200** 

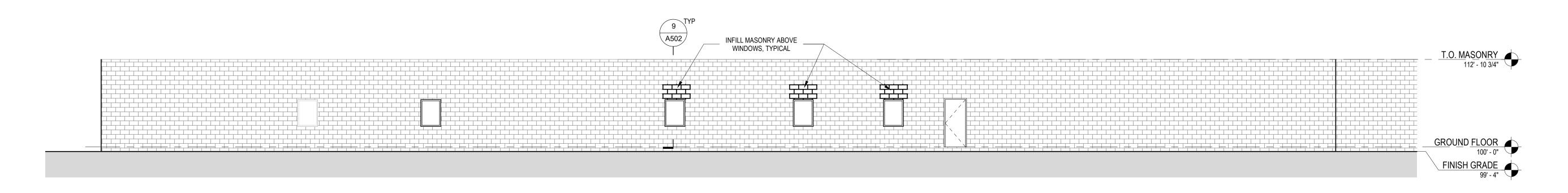




EXTERIOR ELEVATION - MAIN ENTRY AND DD BUILDING

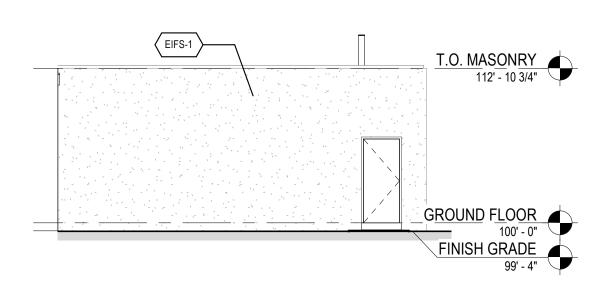
1/8" = 1'-0"



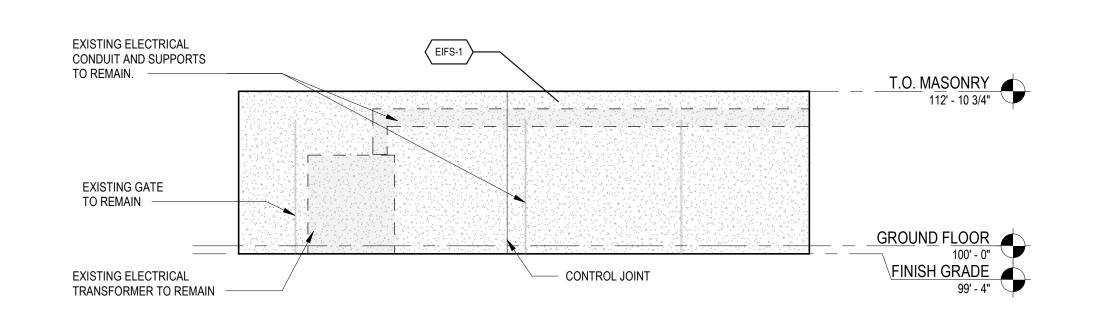


EXTERIOR ELEVATION - BB BUILDING

1/8" = 1'-0"





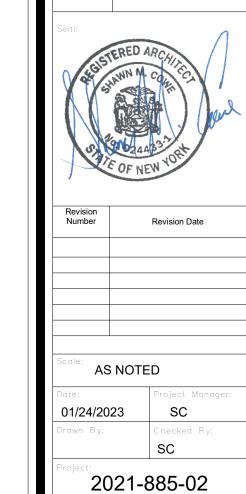


EXTERIOR ELEVATION- DD BUILDING AT EXISTING TRANSFORMER

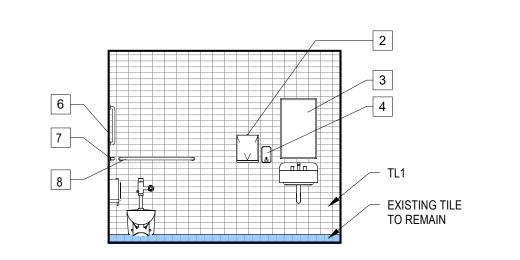
| A201 | 1/8" = 1'-0"



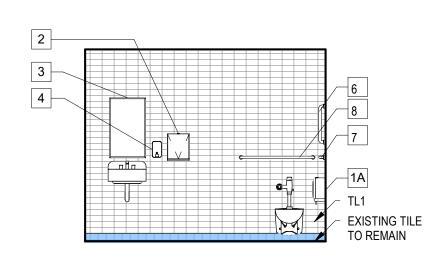
ERIE COUNTY HEALTH L



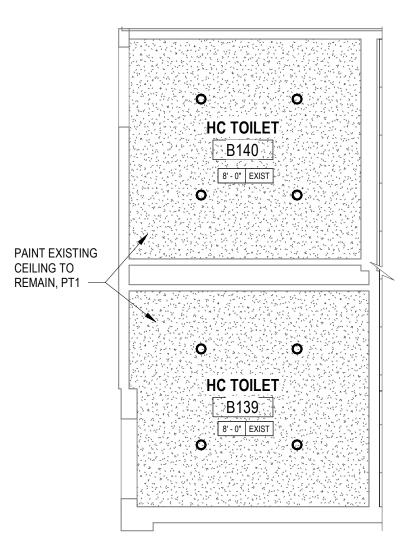
**A201** 



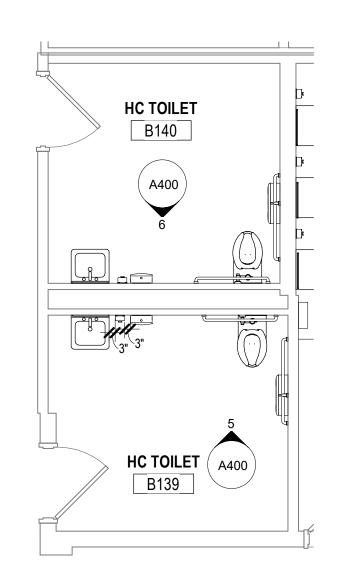
INT. ELEV. - BB -HC TOILET SOUTH A400



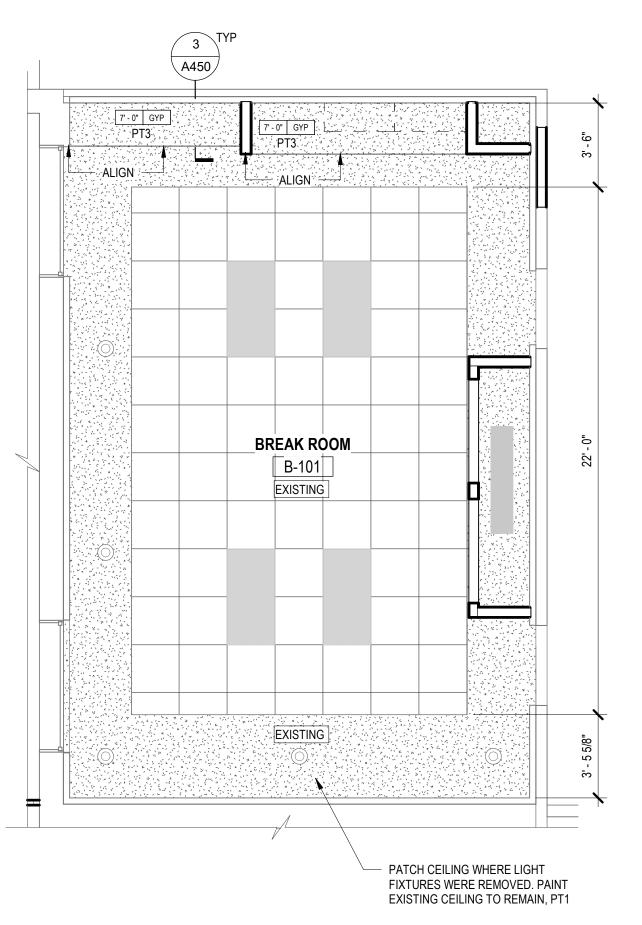
INT. ELEV. - BB -HC TOILET - NORTH



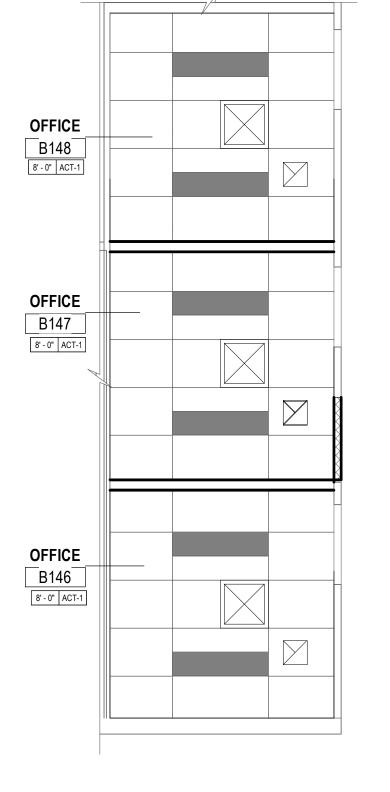
REFLECTED CEILING PLAN **BB - HC TOILETS** A400



**ENLARGED FLOOR PLAN BB - HC TOILETS** 

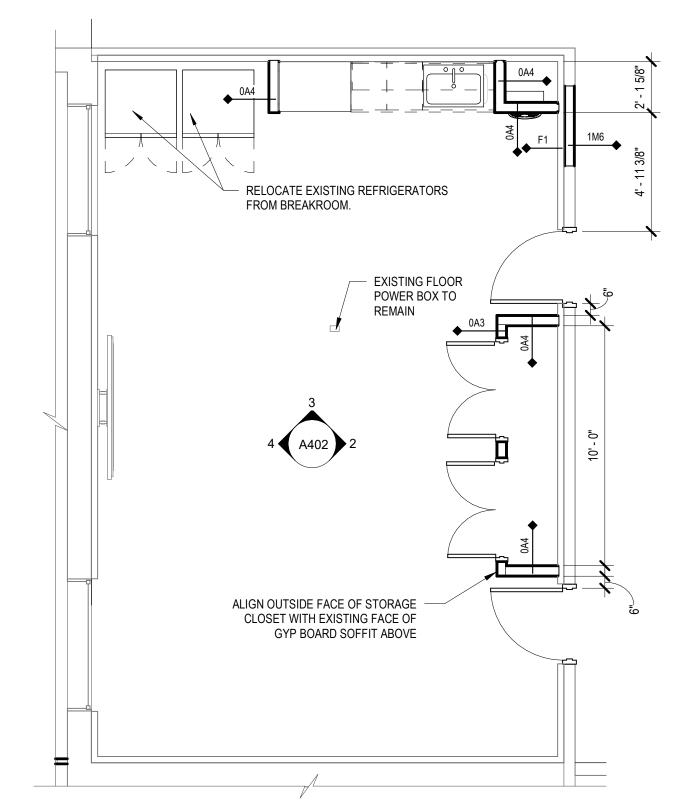


REFLECTED CEILING PLAN FIRST FLOOR BB - BREAK ROOM

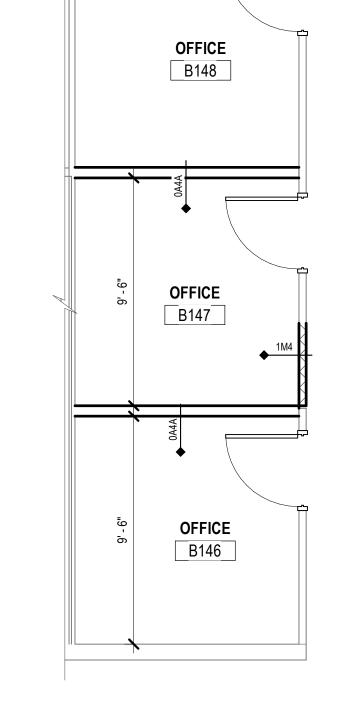


REFLECTED CEILING PLAN FIRST FLOOR - BB - OFFICE **WOMEN'S TOILET** MEN'S TOILET B143 B141 8' - 0" ACT-1

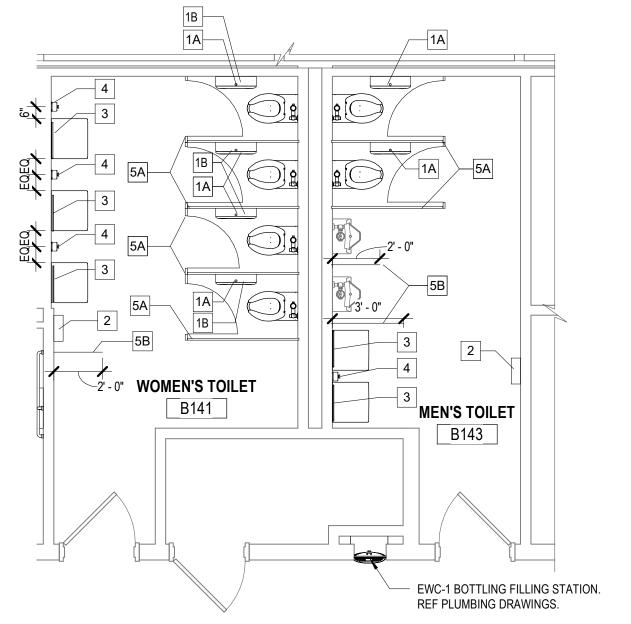
REFLECTED CEILING PLAN **BB - WASHROOMS** A400 1/4" = 1'-0"



**ENLARGED FLOOR PLAN - BB -BREAK ROOM** 



**ENLARGED FLOOR PLAN -**BB - OFFICE



**ENLARGED FLOOR PLAN - BB - WASHROOMS** 7 **ENLA**A400 1/4" = 1'-0"

#### **RESTROOM NOTES**

- DIMENSIONS AND CLEARANCES PROVIDED IN THE DRAWINGS FOR RESTROOMS (PLANS AND ELEVATIONS) ARE IN COMPLIANCE WITH INTERNATIONAL BUILDING CODE 2015 AND THE ICC/ANSI A117.1 STANDARDS

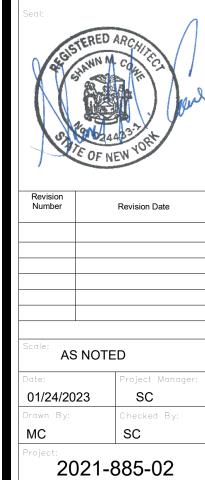
- THROUGH BOLTS IN LIEU OF STANDARD ANCHORS/SCREWS. PROVIDE
- ADDITIONAL SUPPORTS AT WALL MOUNTING FOR TOILET PARTITION TO
- LAVATORY EXPOSED PIPING SHALL HAVE PROTECTION COVERS MEETING WITH MEETING WITH ICC/ANSI A117.1 SECTION 606.6.

#### **TOILET AND BATH ACCESSORIES**

#### TAG DESCRIPTION

- 1A TOILET TISSUE DISPENSER
- SANITARY NAPKIN DISPENSER
- PAPER TOWEL DISPENSER
- 3 18" x 30" MIRROR 4 SOAP DISPENSER
- 5A STAINLESS STEEL TOILET PARTITIONS
- 5B STAINLESS STEEL URINAL/PRIVACY SCREEN
- 18" GRAB BAR
- 7 36" GRAB BAR

8 42" GRAB BAR





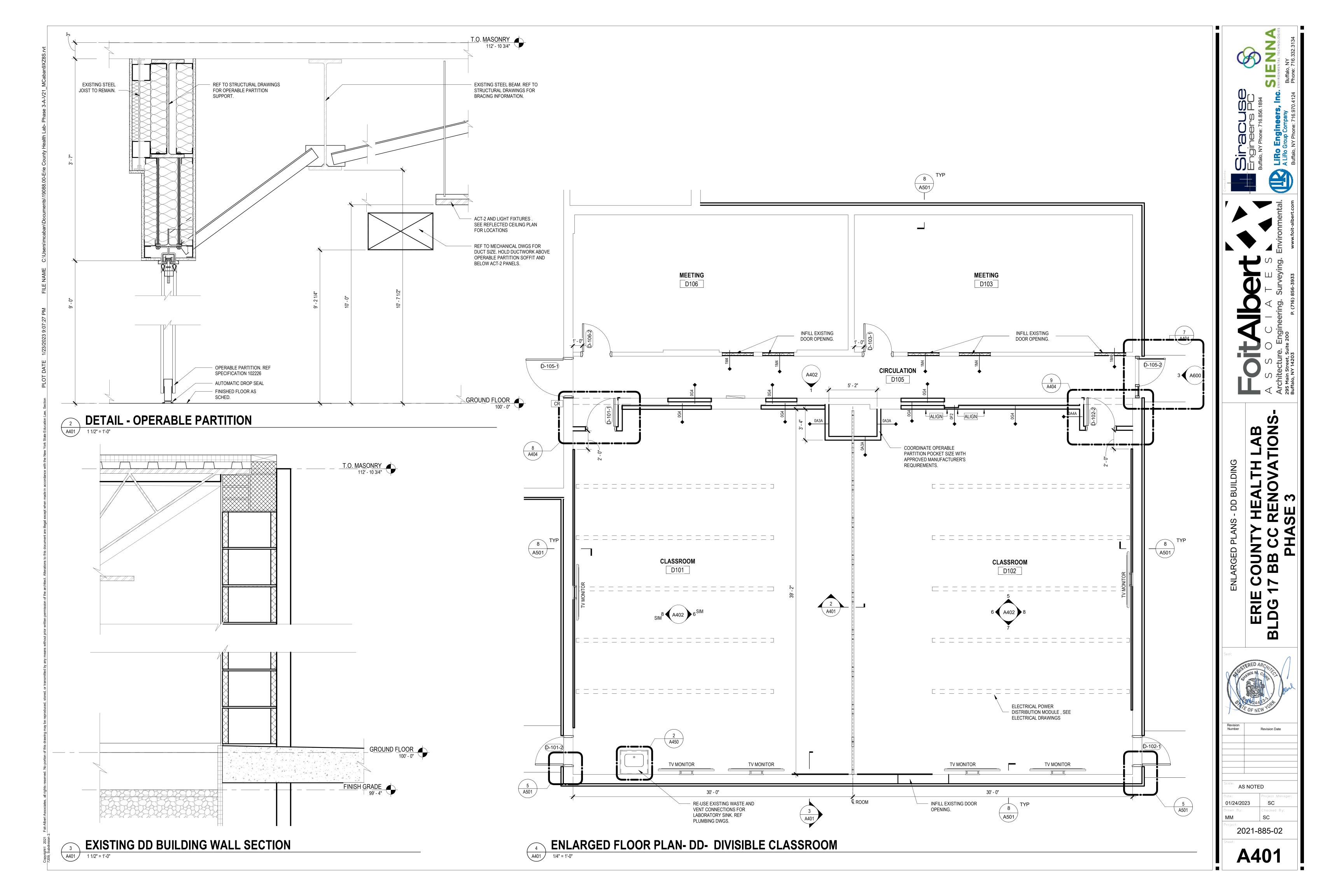
Siracuse Engineers PC Buffalo. NY Phone: 716.856.1894

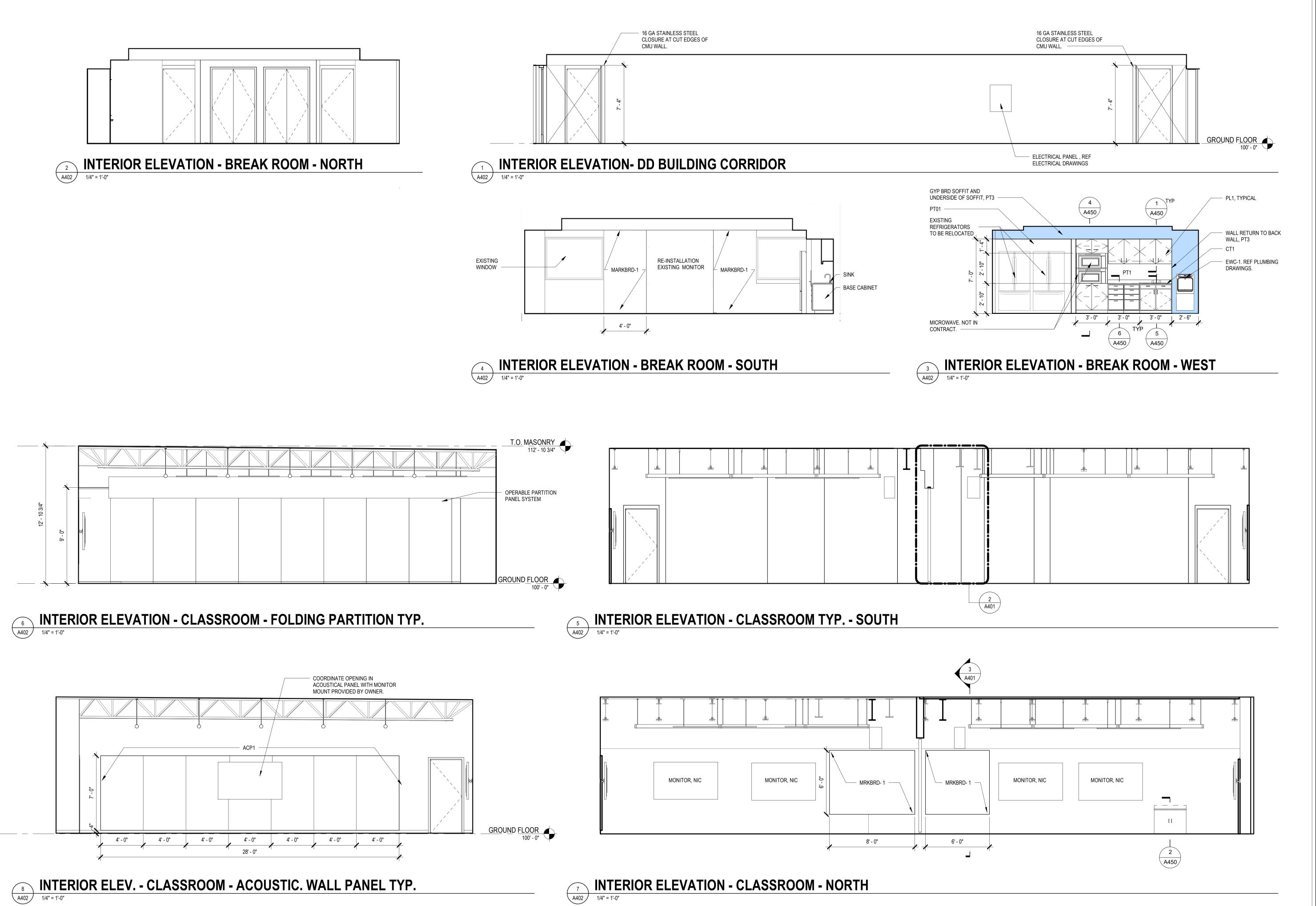
**A400** 

A400

A400 1/4" = 1'-0"

A400 1/4" = 1'-0"



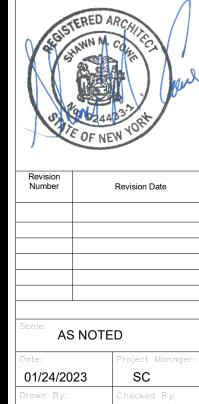


FOIL Surveying. Environmental.

| Consultants: | Co

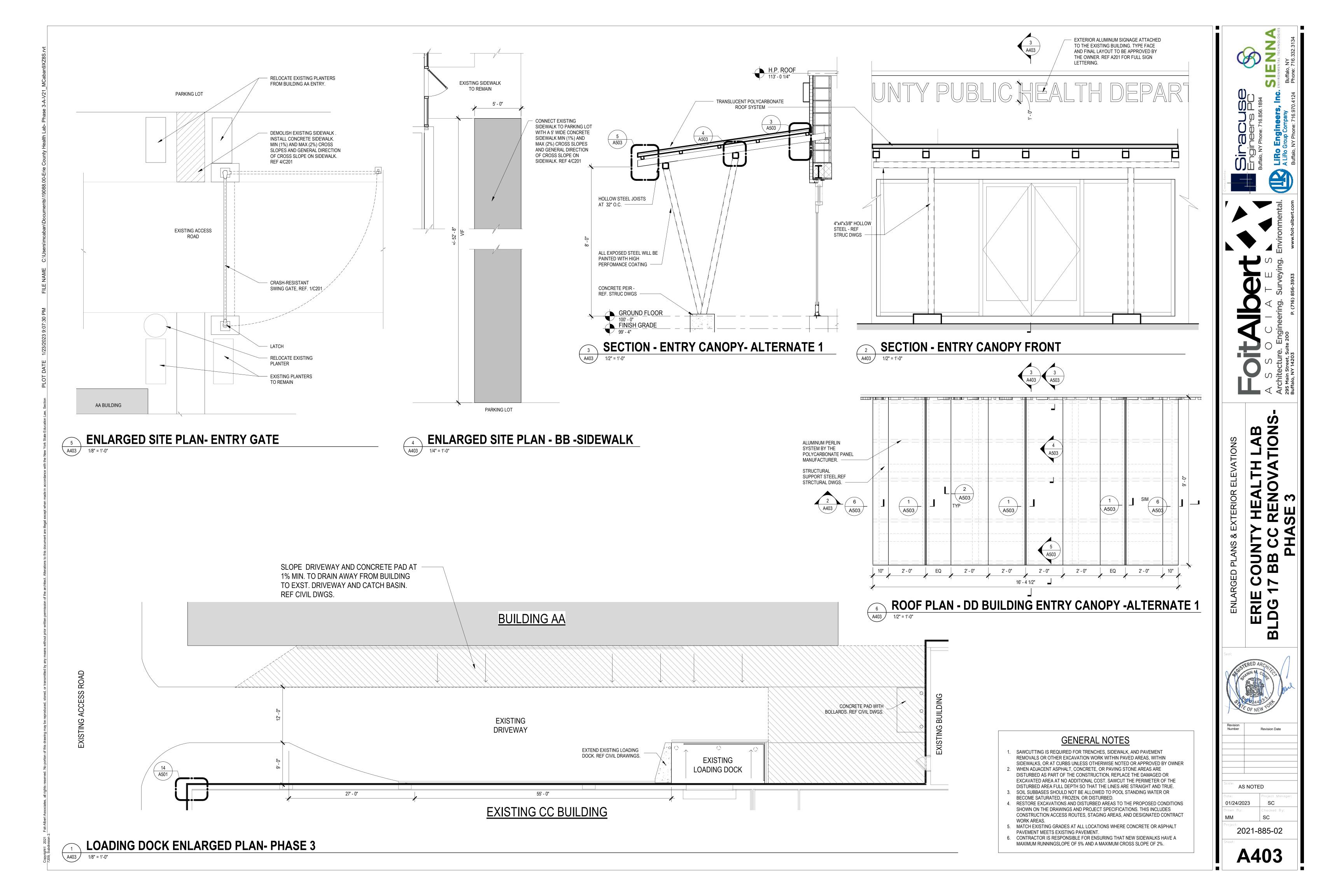
COUNTY HEALTH LAB

ERIE COUNTY HEAI
BLDG 17 BB CC RENC

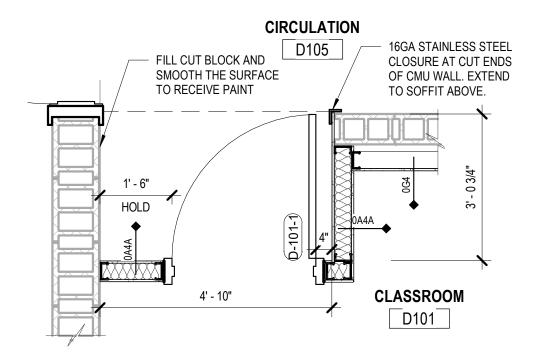


2021-885-02

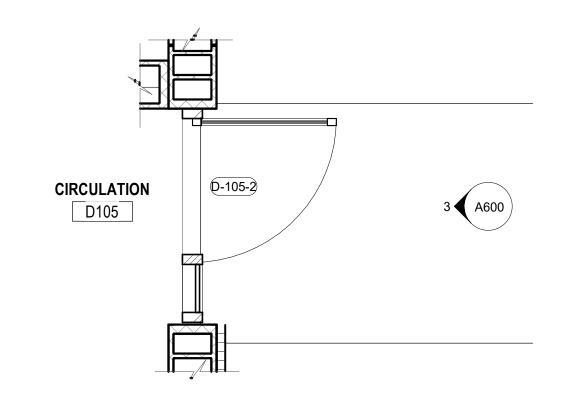
A402



# ENLARGED FLOOR PLAN- DD DIVISIBLE CLASSROOM ENTRY 2

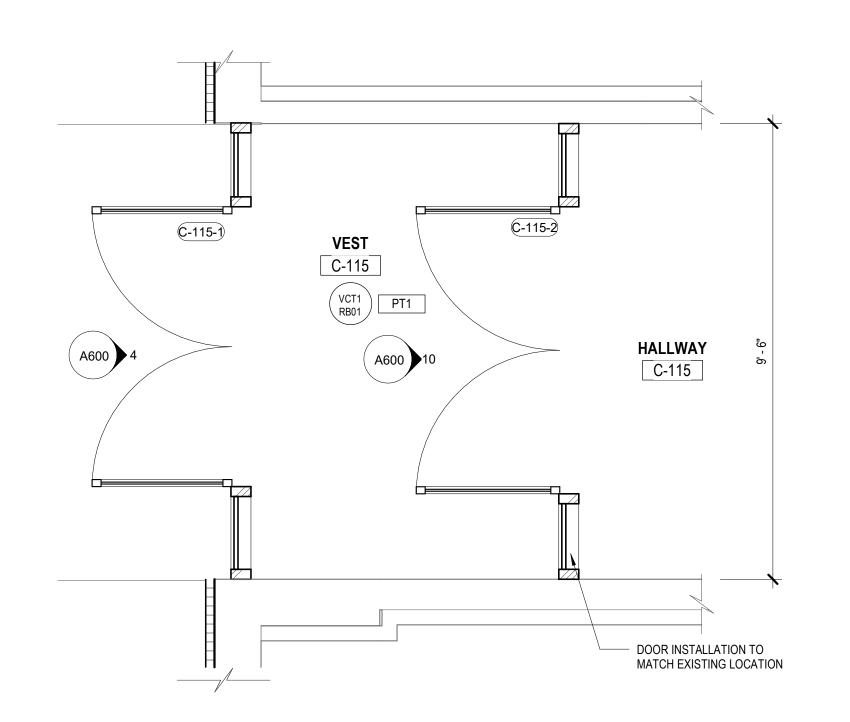


# ENLARGED FLOOR PLAN- DD B DIVISIBLE CLASSROOM ENTRY 1 1/2" = 1'-0"

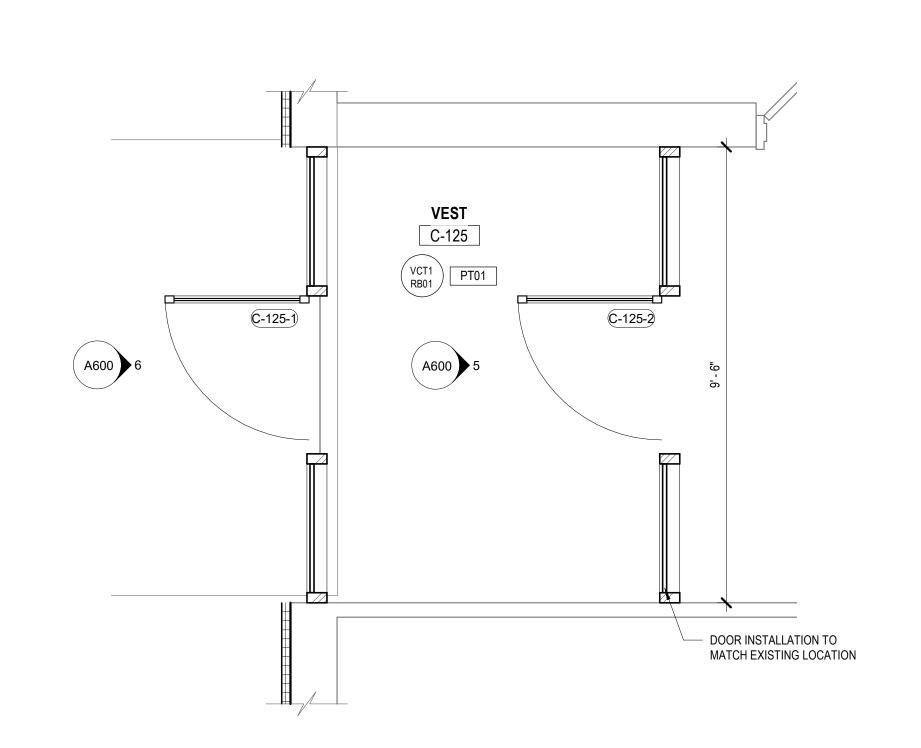


ENLARGED FLOOR PLAN- DD
ONLY DIVISIBLE CLASSROOM - EXTERIOR WALL

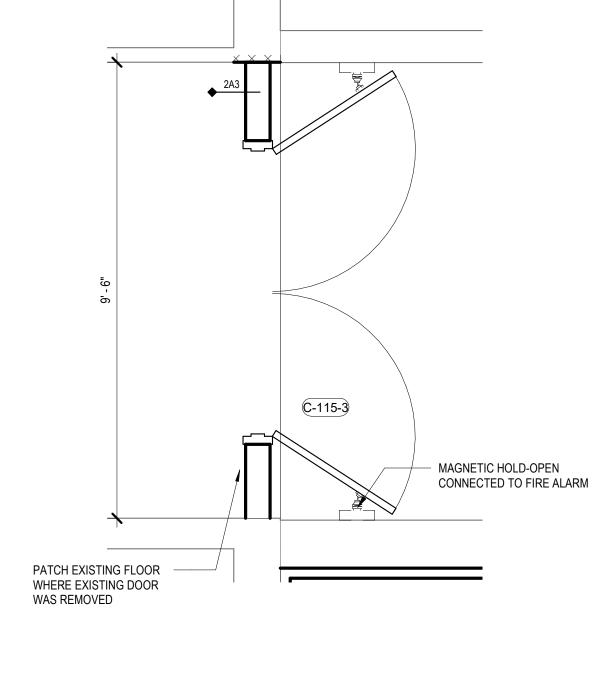
1/2" = 1'-0"



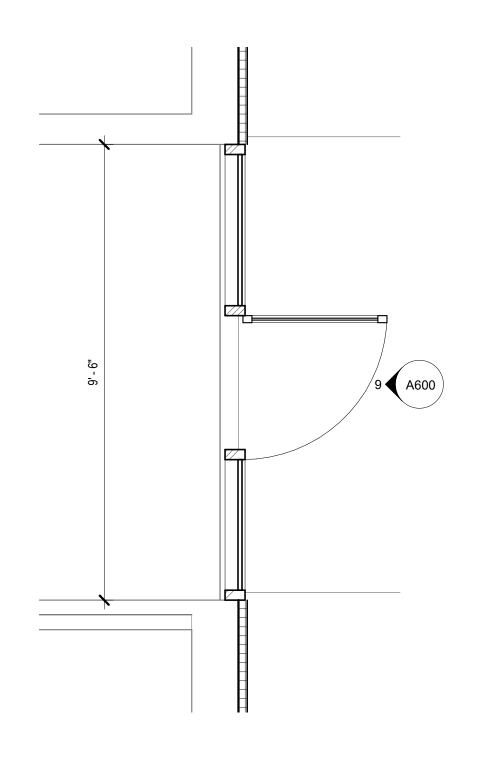












ENLARGED PLAN - CC SOUTHEAST ENTRY



ERIE COUNTY HEALTH LA LDG 17 BB CC RENOVATIO

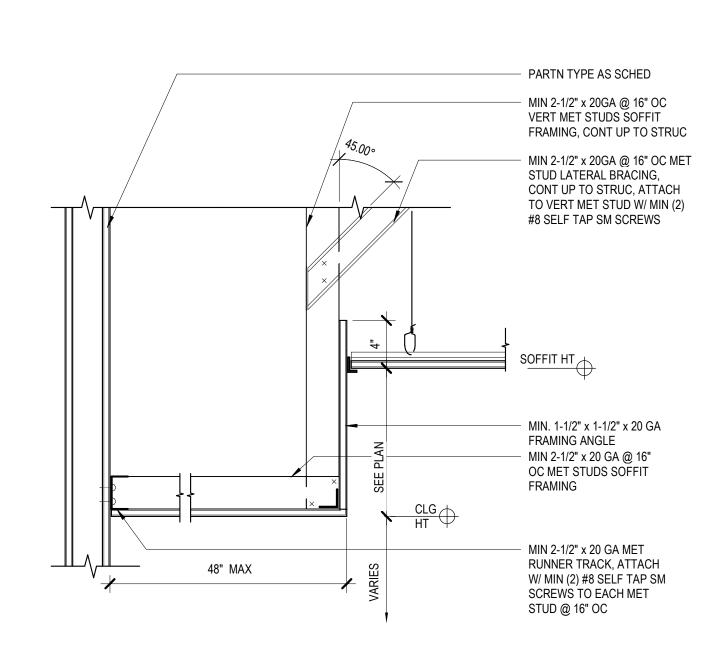
Revision Number Revision Date

Scale: AS NOTED

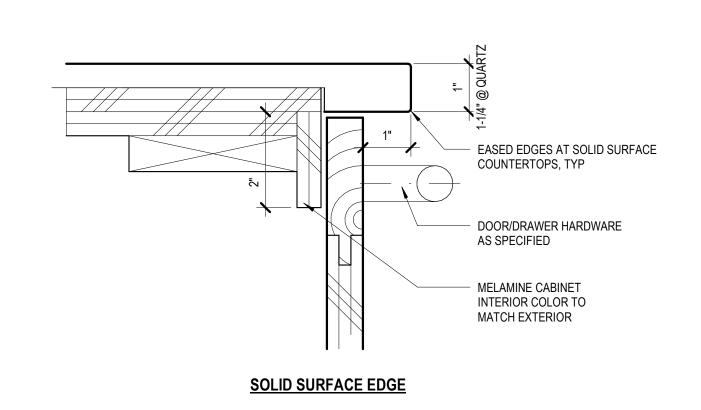
A404

2021-885-02

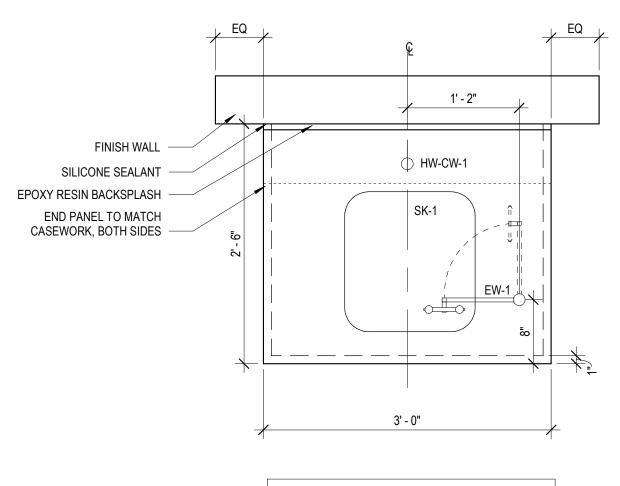
yrightc 2021 Foit-Albert. 9, Subdivision 2.











	7	3' - 0"
+		
	7 3/4"	
2' - 10"	1'-91/4"	
	=	
	±4 ∑	
1.	-	3' - 0"
		ELEVATION

2' - 1"

1' - 9"

RUBBER FLOORING

TRANSITION STRIP

- CONCRETE

RUBBER FLOORING

TRANSITION STRIP

W/ RECEIVER

2	ADA ACCESSIBLE LABORATORY SINK
450	/ 1" = 1'-0"

BACKSPLASH MATERIAL MATCHES

COUNTERTOP COUNTERTOP

DRAWERS - TYP.

DRAWER GLIDES AS

EXPOSED SURFACES,

SEMI EXPOSED SURFACES TO

BE MELAMINE TO MATCH

FINISH AT BASE TO MATCH

FINISH FACE OF CABINET U.O.N.

EXPOSED SURFACES -

SEE ELEVATION FOR

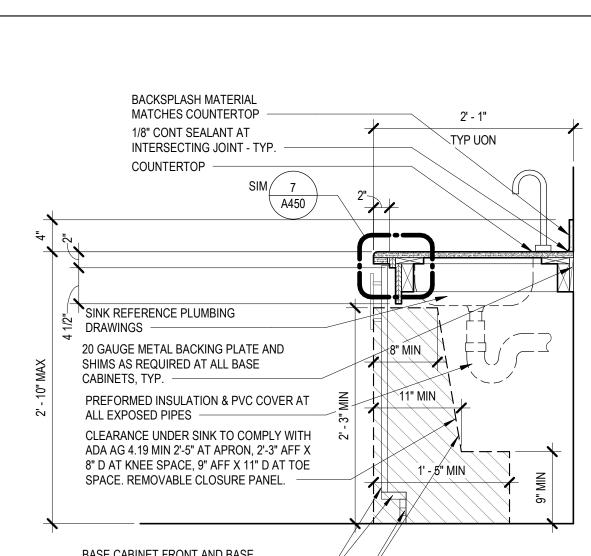
FINISHES

6 A450

FLOORING

SPECIFIED - TYP.

HORIZONTAL PULLS AT



PIPE

ENCLOSUR

FIXTURE SCHEDULE

COMMENTS

WATERSAVER, EYEWASH, DECK MOUNTED AUTOFLOW

COLORTECH LABORATORY MIXING FAUCET, DECK

ARCHITECTURAL OVERLAY POWDER COATED FRONT

2' - 6"

90 DEGREE SWIVEL, RIGHT HAND MOUNTING.

GOOSENECK

EPOXY RESIN UNDER MOUNT

END PANELS ON BOTH SIDES

MOTT MANUFACTURING

24" LENGTH, 16" WIDTH, 12" DEPTH

MOUNTED, 10" RIGID/SWING VACUUM BREAKER

TYPE

CABINET

MODEL

CT414-10

- EPOXY RESIN COUNTERTOP

1/8" HARDWOOD EDGE (TYP)

SINK BASIN SUPPORT

ADJUSTABLE

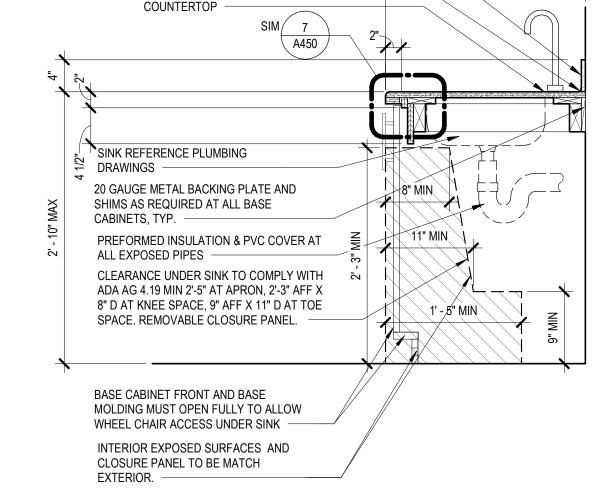
FINISHED BASE

4" 18GA. STEEL PLATE (TYP)

LEVEL GUIDE (TYP)

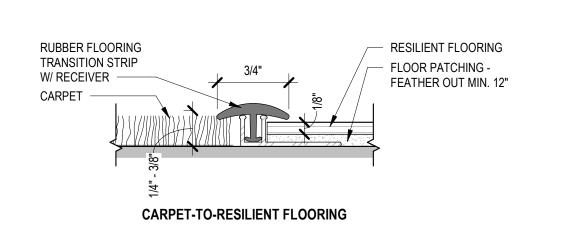


RESILIENT FLOOR-TO-CONCRETE

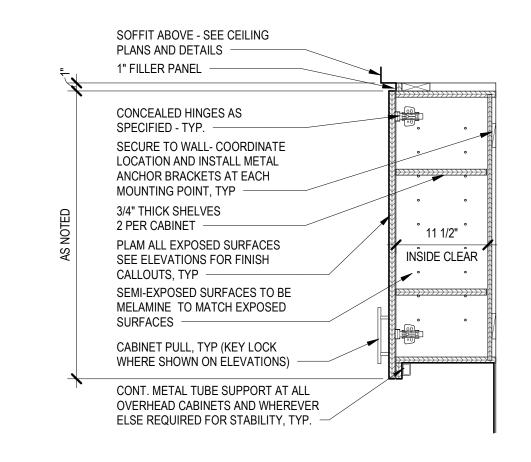


#### ADA ACCESSIBLE SINK CABINET A450 1" = 1'-0"

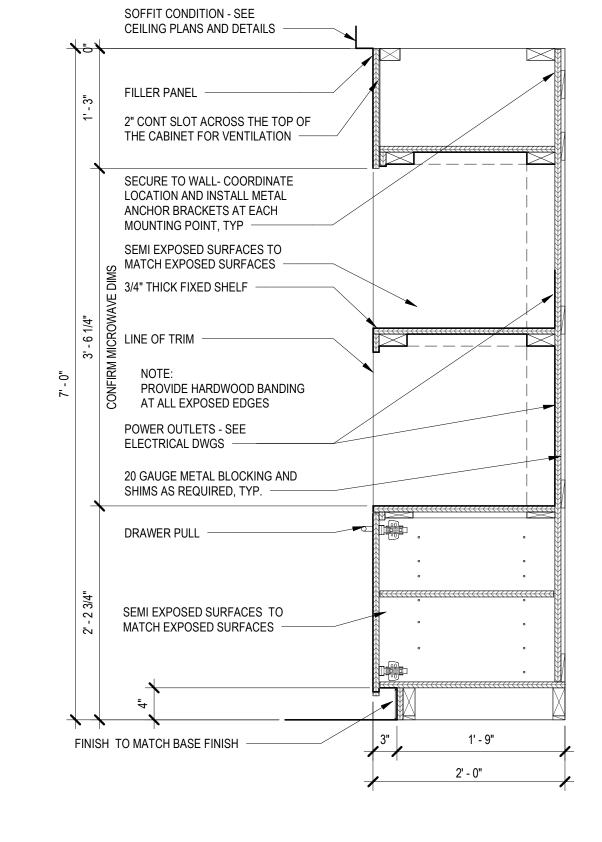
RESILIENT FLOORING



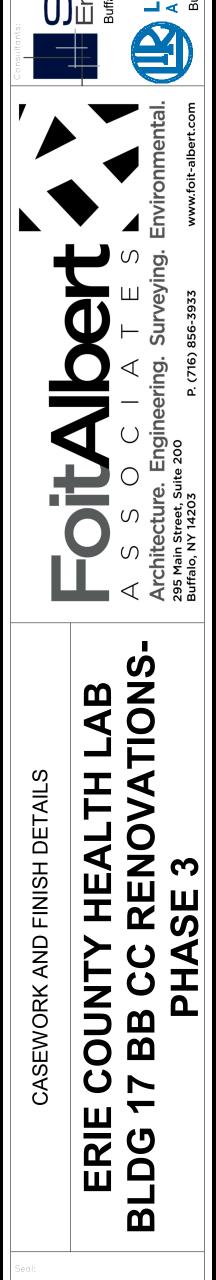
**FLOORING TRANSITIONS** 



# **SECTION - WALL CABINET**







Number Revision Date

AS NOTED 01/24/2023 2021-885-02

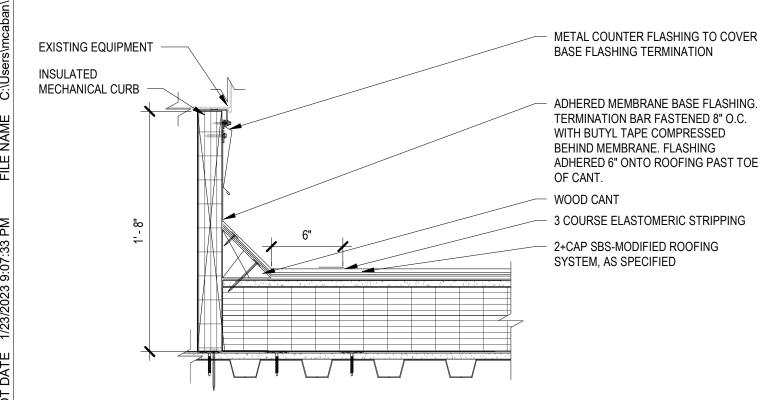
A450

\_\_\_\_\_ \_\_\_2' - 0"<sup>\_\_</sup>

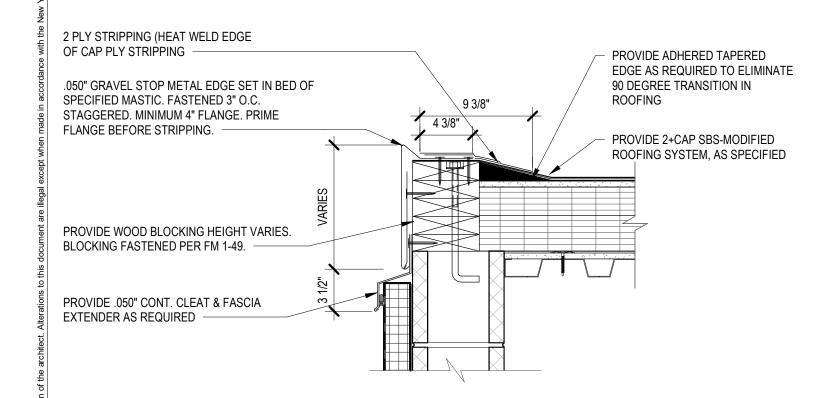
RESILIENT FLOOR-TO-RESILIENT FLOOR

MICROWAVE ENCLOSURE COUNTER A450 1" = 1'-0"

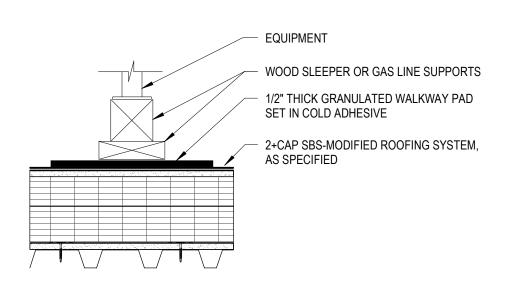
#### PITCH POCKET DETAIL A500



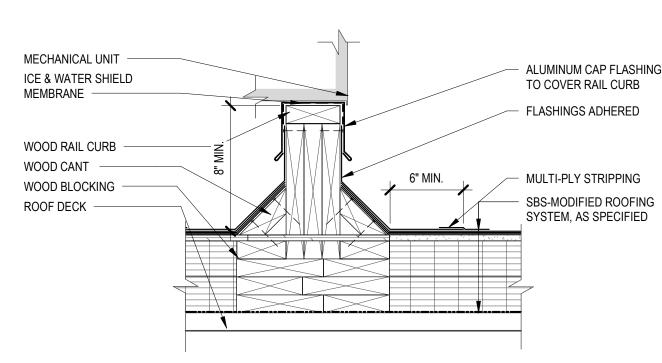
# **MECHANICAL CURB DETAIL**



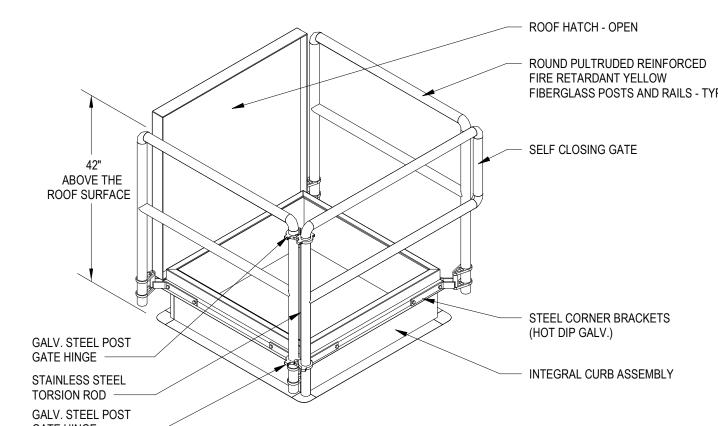
# DETAIL - METAL EDGE AT SBS ROOF



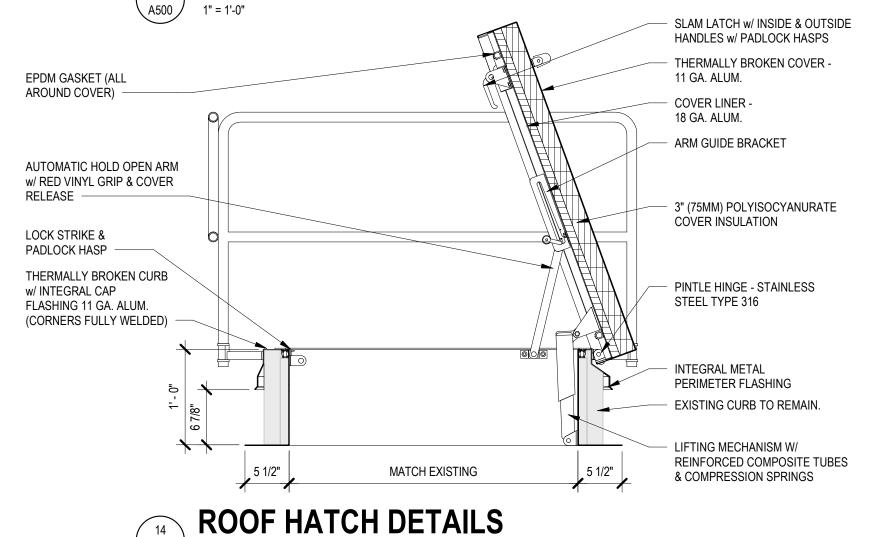
## WALK PADS AT SLEEPERS

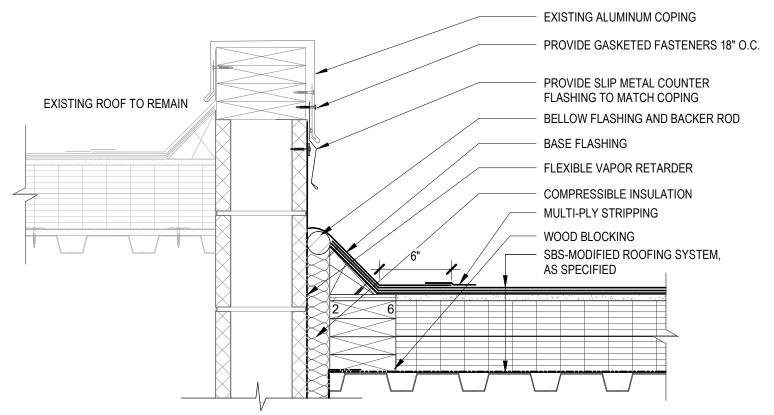


## **EQUIPMENT CURB DETAIL**

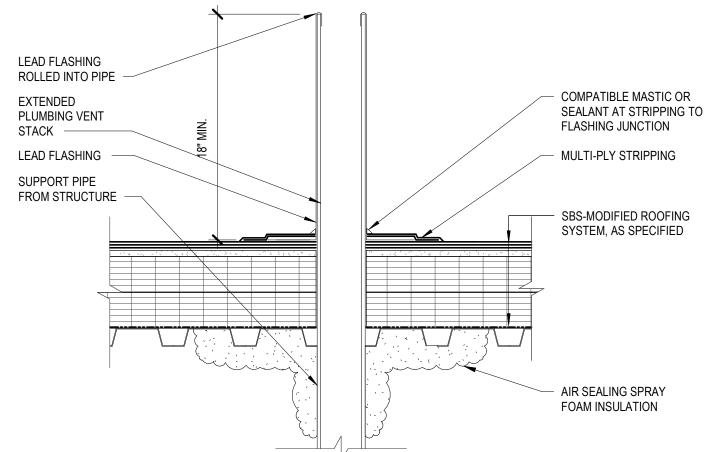


# **ROOF HATCH SAFETY RAIL**

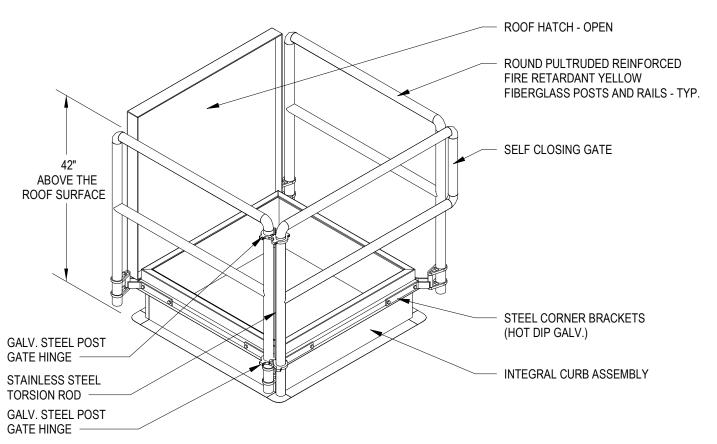




#### **ROOF DETAIL** 1 1/2" = 1'-0"

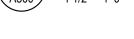


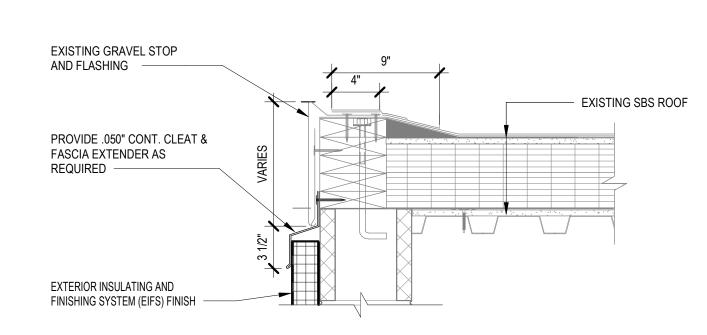
# ROOF PLUMBING VENT DETAIL



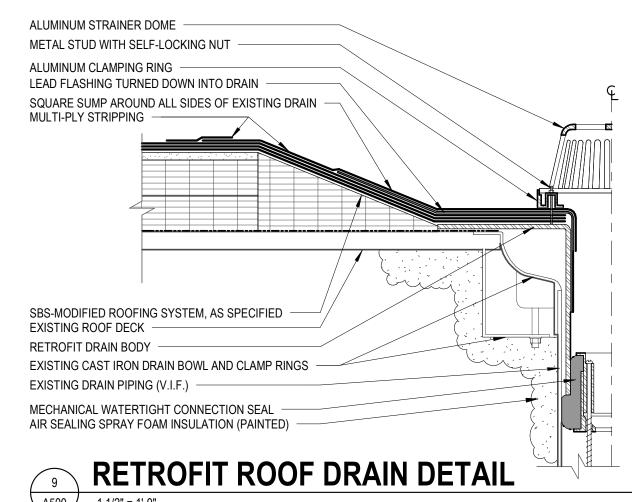
GRANULE SURFACED, SBS-MODIFIED CAP PLY, ADHERED IN COLD ADHESIVE. TWO TRILAMINATE SBS-MODIFIED BASE PLIES, ADHERED IN COLD ADHESIVE. 1/2-INCH REINFORCED GYPSUM COVER BOARD, ADHERED IN LOW RISE FOAM INSULATION ADHESIVE. POLYISOCYANURATE INSULATION R-30, MULTIPLE LAYERS. ADHERED IN LOW RISE FOAM INSULATION ADHESIVE TRILAMINATE SBS-MODIFIED VAPOR BARRIER PLY, ADHERED IN SOLVENT-FREE COLD ADHESIVE. 1/2-INCH REINFORCED GYPSUM THERMAL BARRIER (SUBSTRATE BOARD), MECHANICALLY FASTENED EXISTING STEEL DECK

## SBS ROOF ASSEMBLY





#### **DETAIL - METAL EDGE AT EXIST ROOF** 1 1/2" = 1'-0" \ A500 /



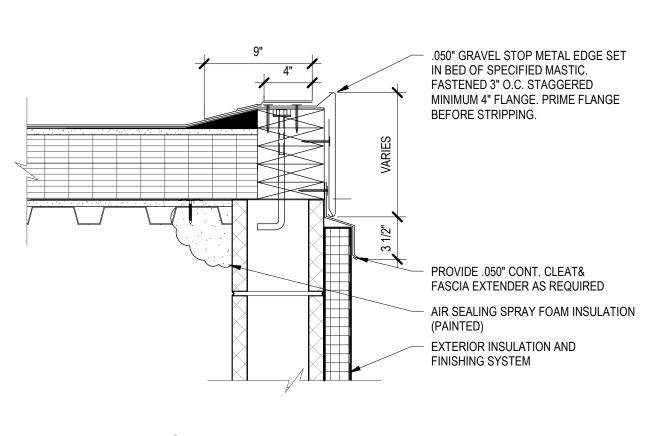
## **GENERAL ROOF DETAIL NOTES**

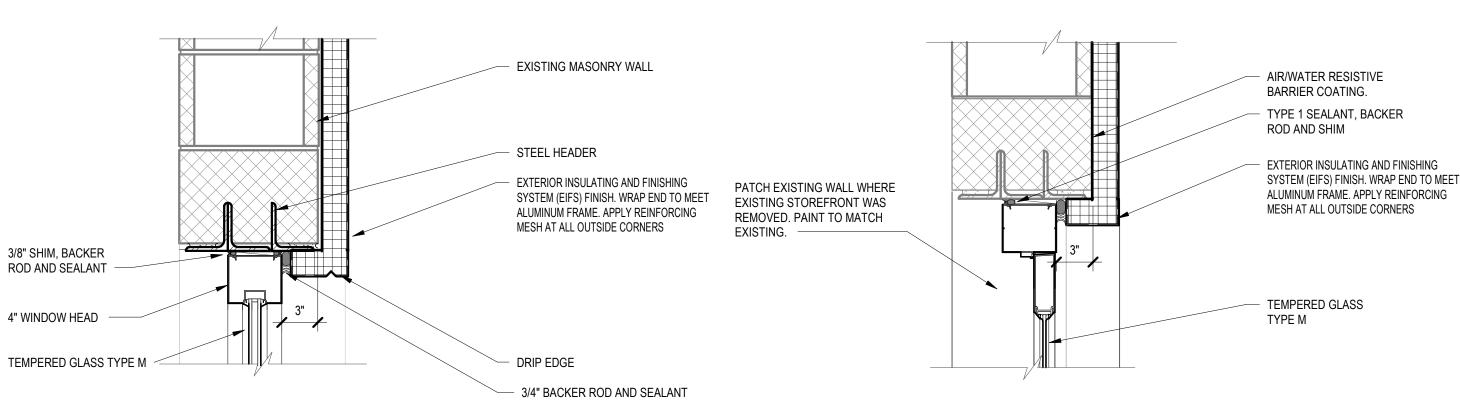
- A. ALL WOOD BLOCKING HEIGHT VARIES TO MATCH INSULATION AND COVER BOARD THICKNESS.
- B. ALL BLOCKING SHALL BE FASTENED TO MEET THE REQUIREMENTS OF FM 1-49.
- C. ALL METHODS, MEANS, AND SEQUENCING OF CONSTRUCTION ARE THE SOLE
- RESPONSIBILITY OF THE CONTRACTOR. D. ALL CONSTRUCTION FEES AND RELATED PERMITS ARE THE RESPONSIBILITY OF THE
- CONTRACTOR.
- E. CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER DISCIPLINES FOR ALL CONSTRUCTION, INCLUDING BUT NOT LIMITED TO MECHANICAL, PLUMBING, ELECTRICAL AND STRUCTURAL WORK.
- F. ALL EXISTING DIMENSIONS ARE +/- AND ARE TO BE VERIFIED IN THE FIELD PRIOR TO BIDDING. BRING DISCREPANCIES, WHICH MAY SIGNIFICANTLY AFFECT DEMOLITION OR NEW CONSTRUCTION WORK TO THE ATTENTION OF THE ARCHITECT.
- G. DO NOT SCALE THESE DRAWINGS. IF THERE ARE DIMENSIONS THAT ARE UNCLEAR OR NOT INDICATED ON THE DOCUMENTS THAT REQUIRE CLARIFICATION, REQUEST THAT CLARIFICATION FROM THE ARCHITECT.

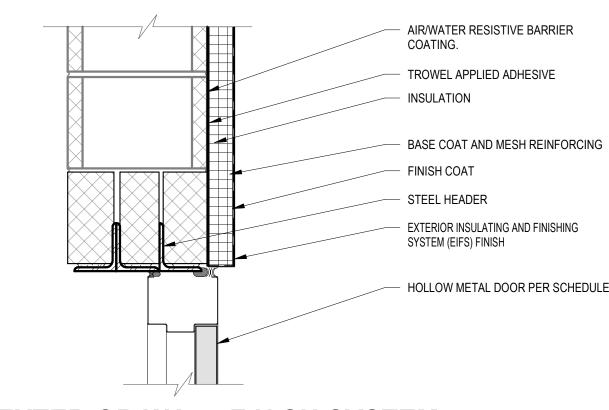
Om **U** N

Revision Date AS NOTED 01/24/2023 2021-885-02

**A500** 

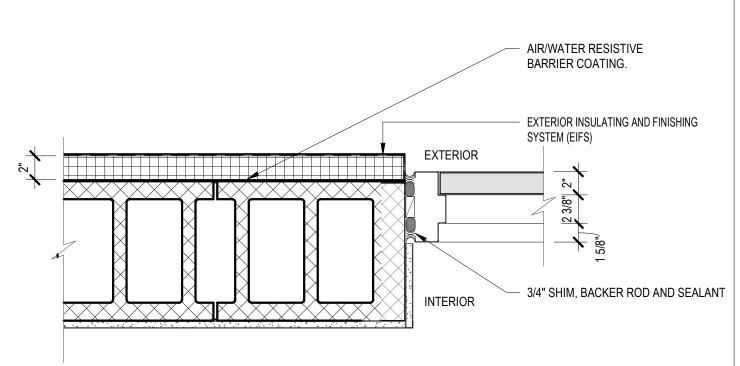




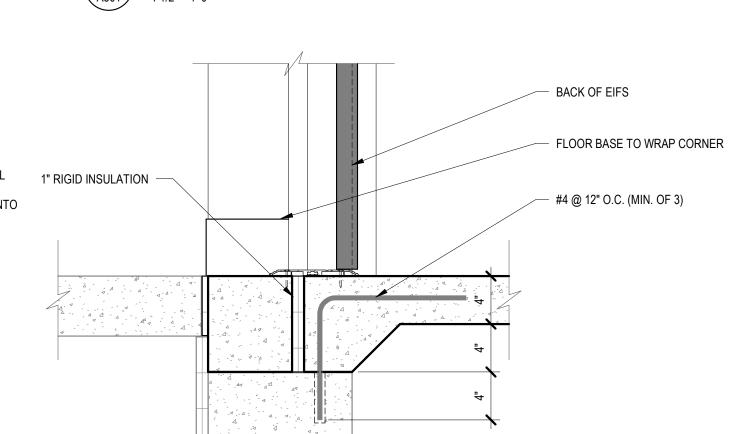




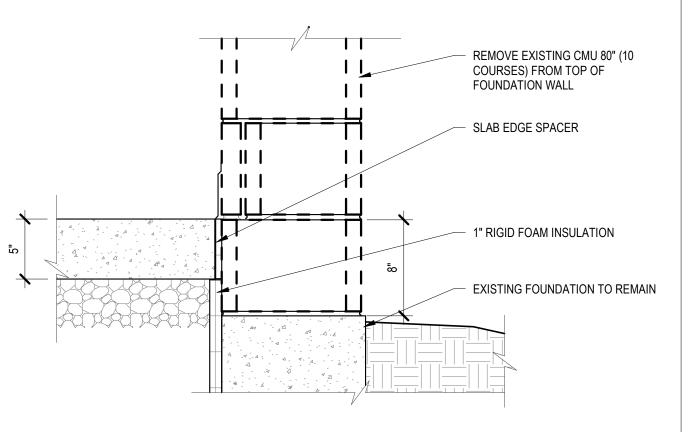
# STOREFRONT DOOR HEAD - TYP. DD & CC 1 1/2" = 1'-0"





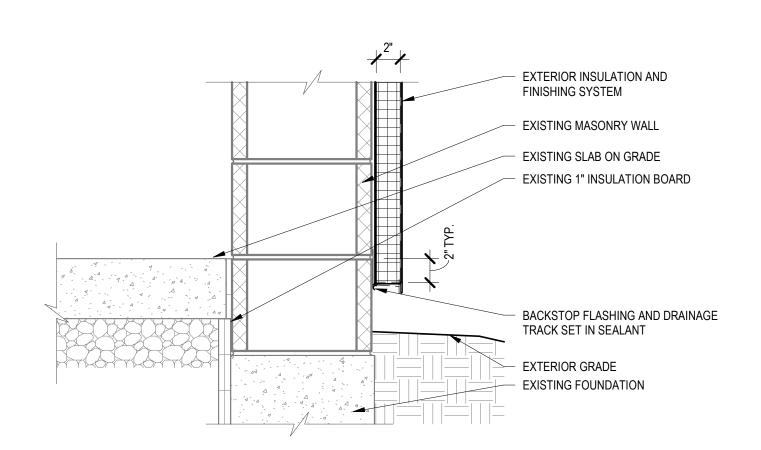


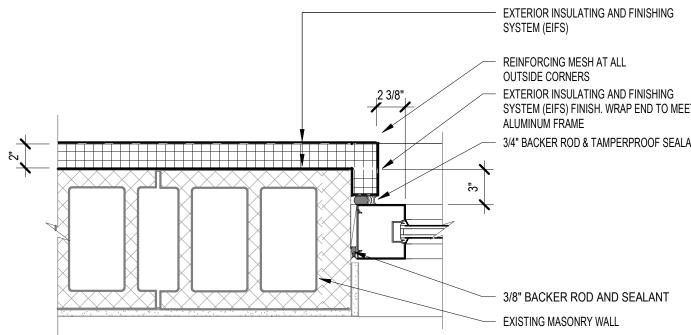




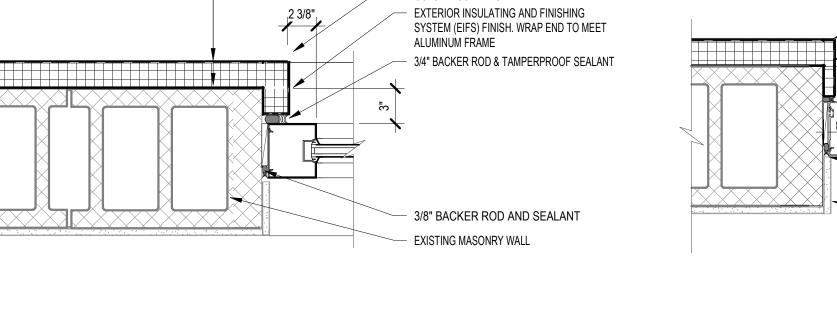
**DEMO - EXTERIOR WALL - SILL** 1 1/2" = 1'-0"

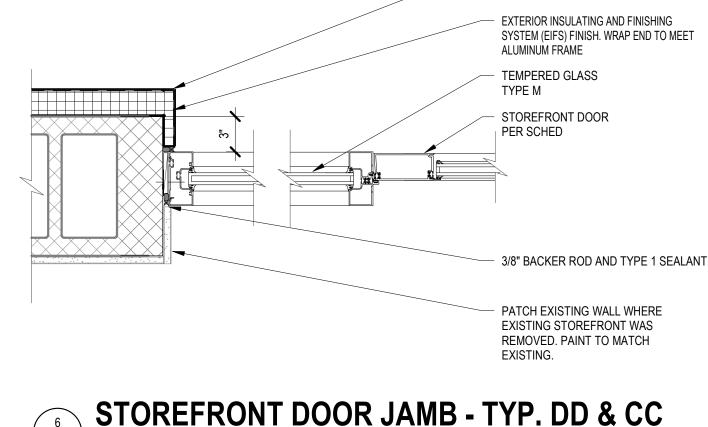
# METAL EDGE DETAIL





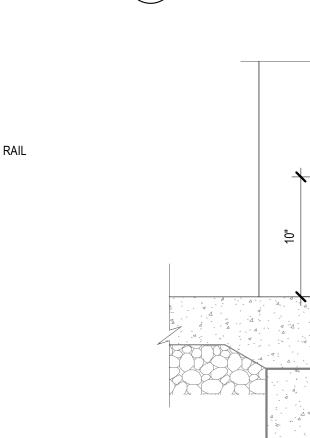
STOREFRONT WINDOW HEAD - TYP. BB

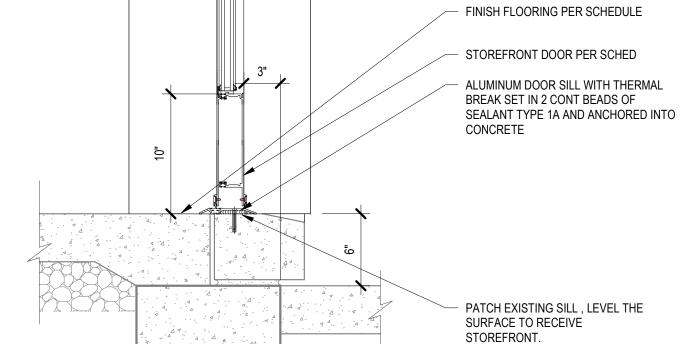




REINFORCING MESH AT ALL OUTSIDE

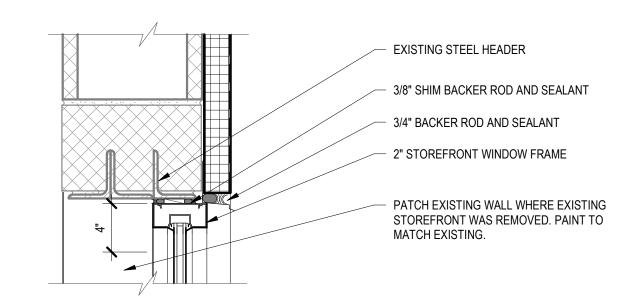
CORNERS TYP.

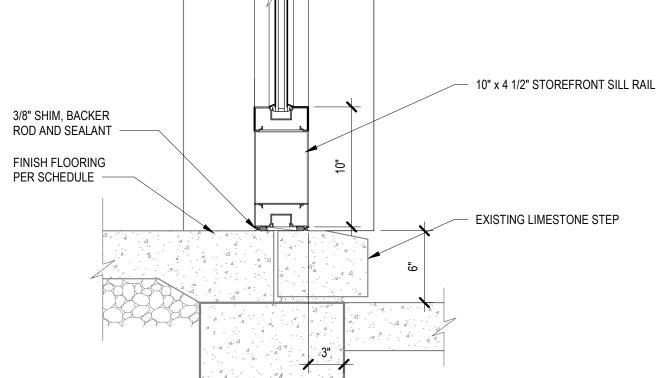




# STOREFRONT DOOR SILL - TYP.

# **EXTERIOR WALL SYSTEM - BASE TYP.**



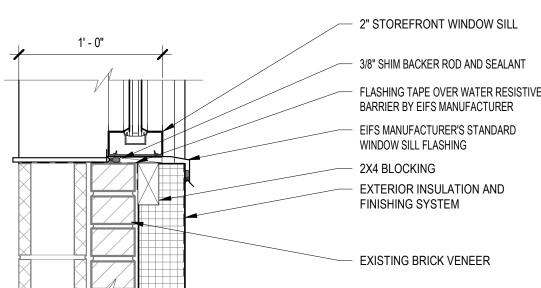


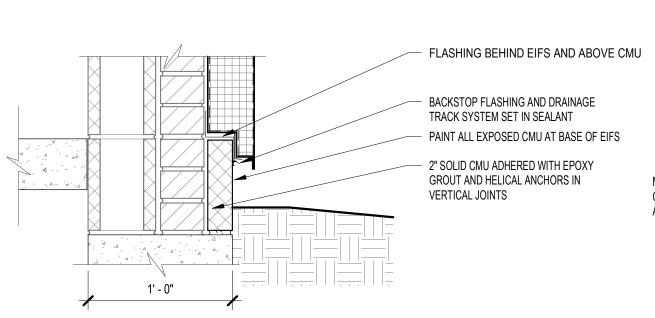
STOREFRONT WINDOW - SILL TYP.

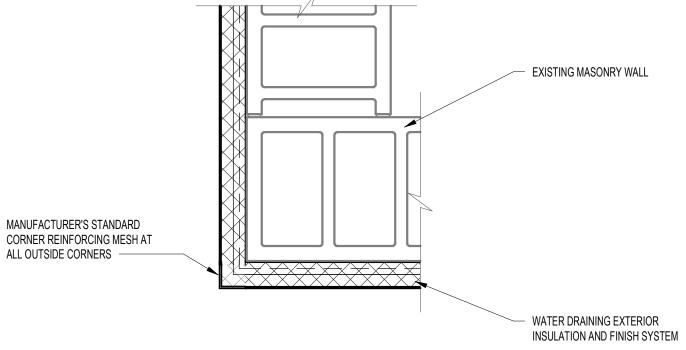
STOREFRONT WINDOW JAMB - TYP. BB



## **EXTERIOR WALL SYSTEM - WINDOW HEAD** 12 A501

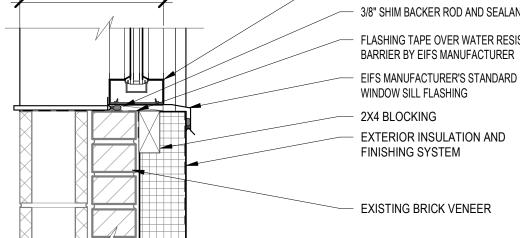












**EXTERIOR WALL SYSTEM - WINDOW SILL** 

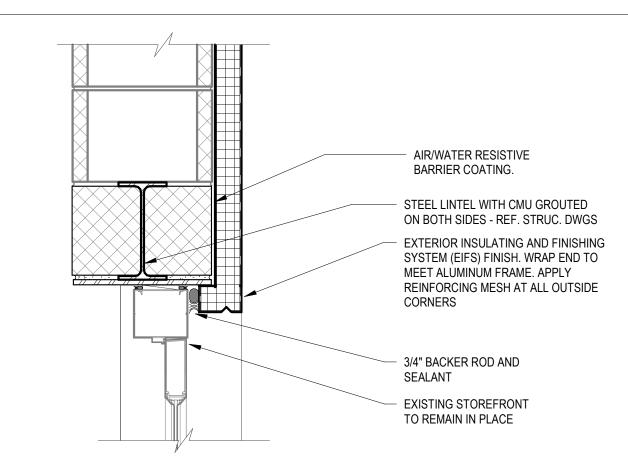




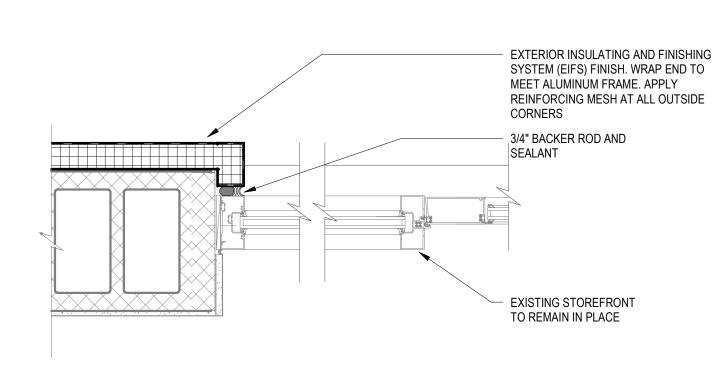
**A501** 

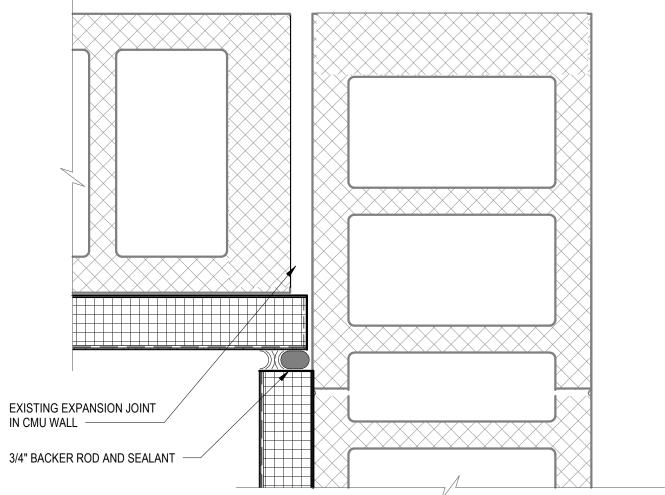
 $\overline{O}$   $\overline{M}$ 

**U** 

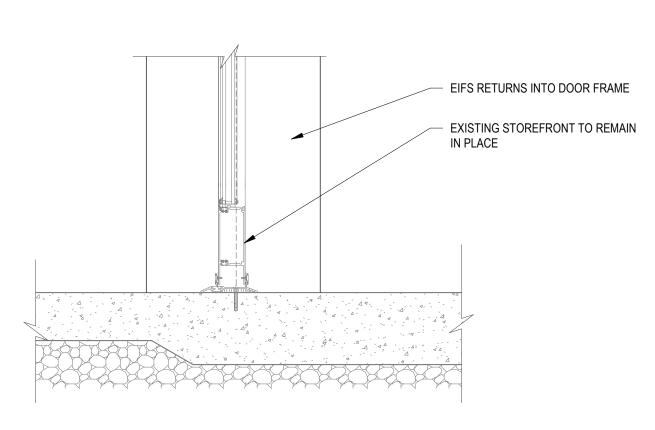


# DD ENTRANCE - DOOR HEAD 1 1/2" = 1'-0"



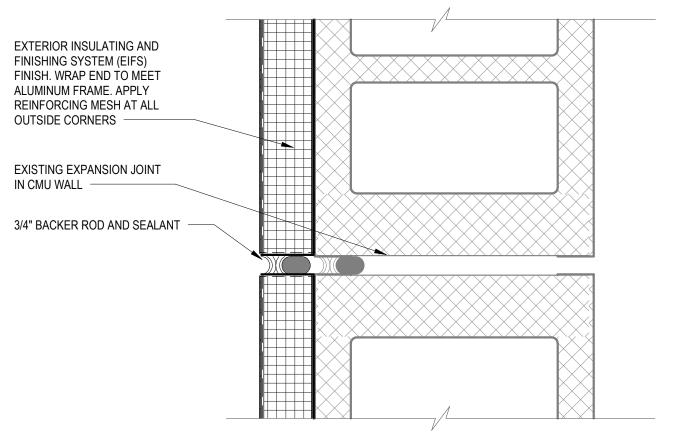


DD ENTRANCE - DOOR JAMB

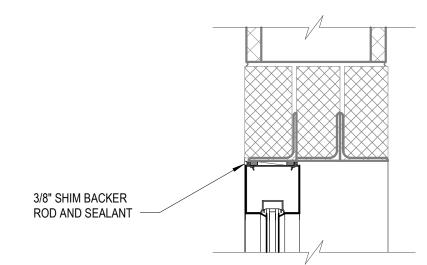




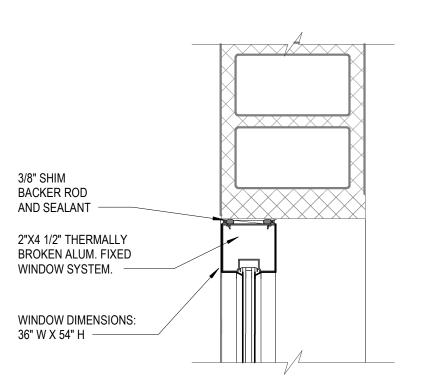




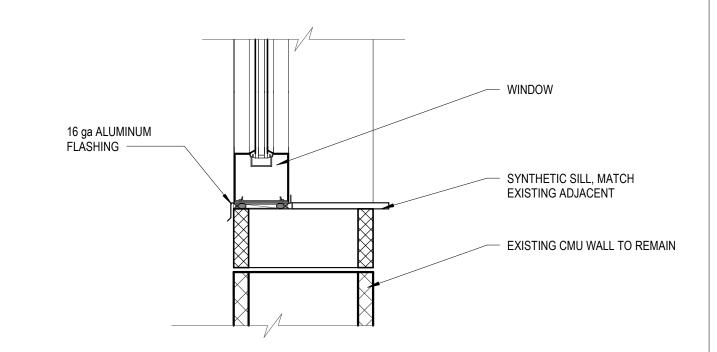
**EIFS EXPANSION JOINT- FLUSH** 



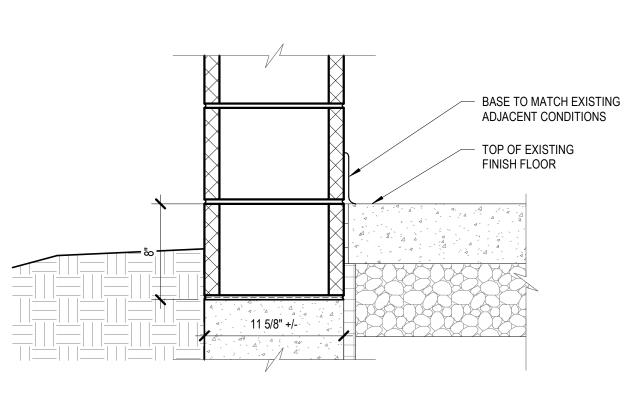
7 DETAIL - WINDOW HEAD AT BB BUILDING
A502 1 1/2" = 1'-0"



8 DETAIL - WINDOW JAMB AT BB BUILDING



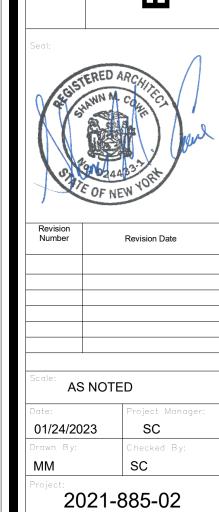
9 DETAIL - WINDOW SILL AT BB BUILDING
A502 1 1/2" = 1'-0"



DETAIL - WALL BASE AT BB BUILDING

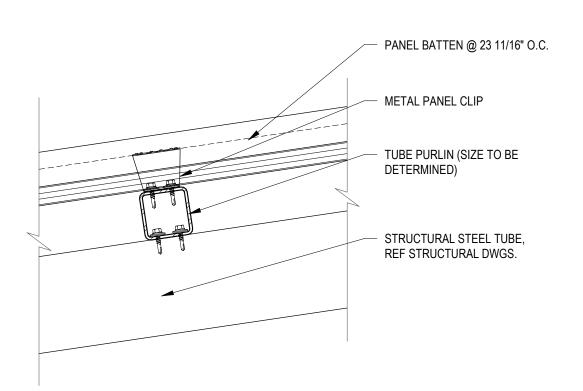


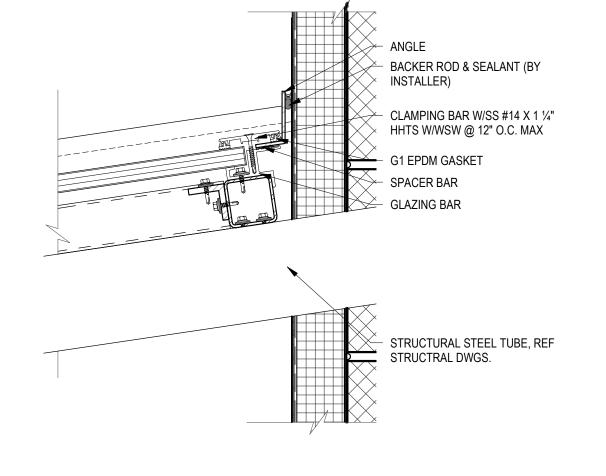
ERIE COUNTY HEALTH I DG 17 BB CC RENOVAT



**A502** 

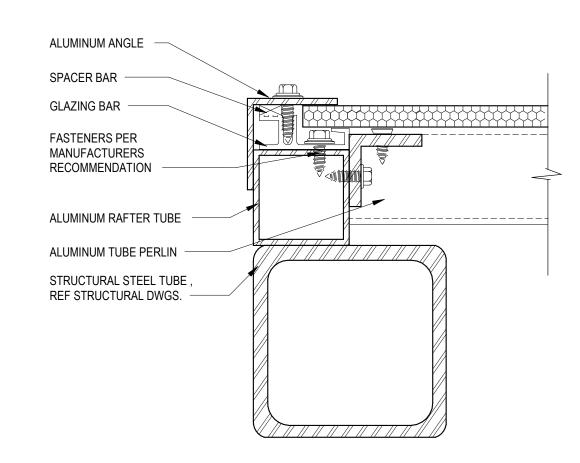




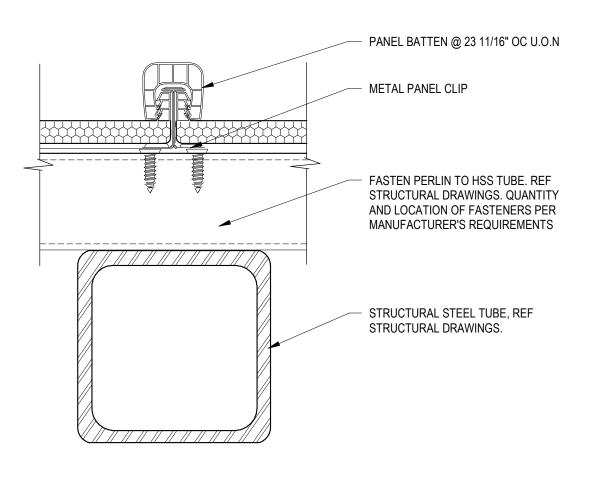




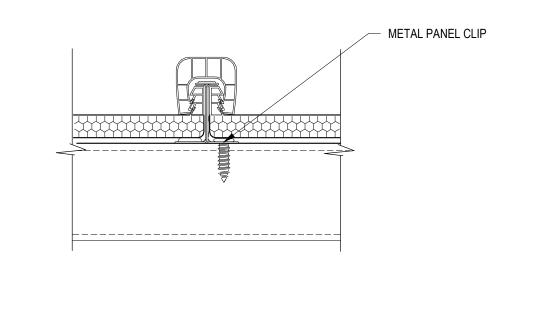
















AS NOTED

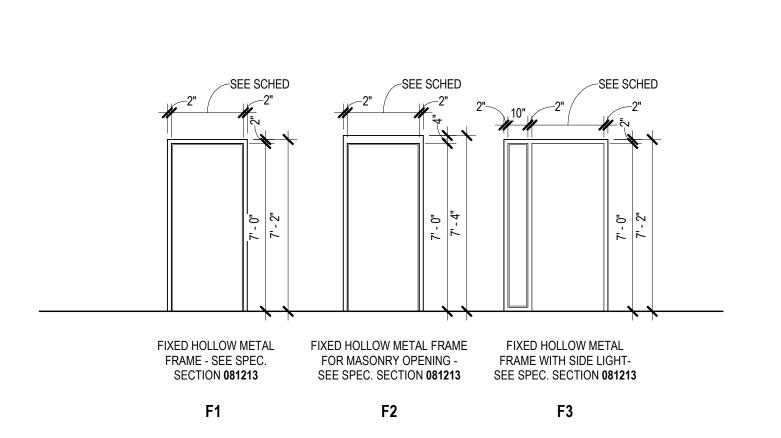
2021-885-02

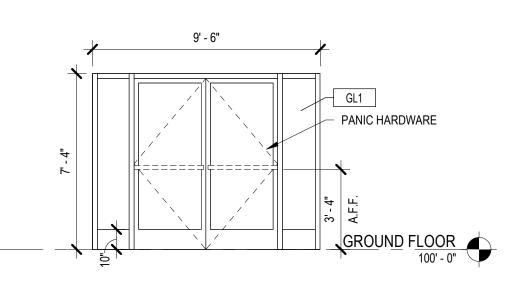
**A503** 

Siracuse Engineers PC Buffalo, NY Phone: 716.856.1894

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DOOR TYPE ELEVATIONS



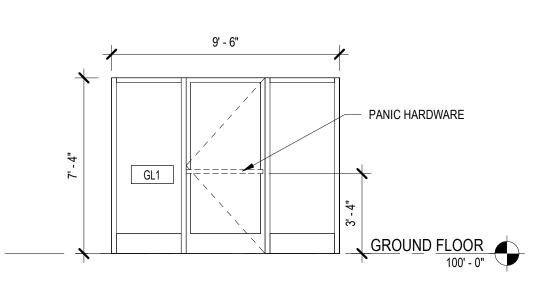


DOOR FRAME TYPE ELEVATION

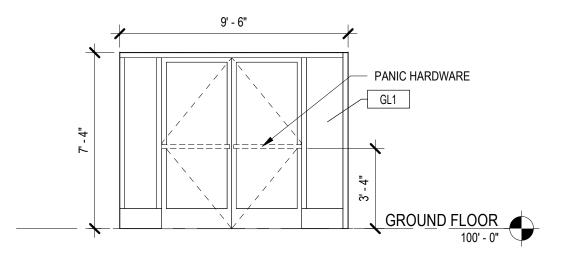
1/4" = 1'-0"

SF ELEV - CC - SOUTH WEST ENTRY INT.

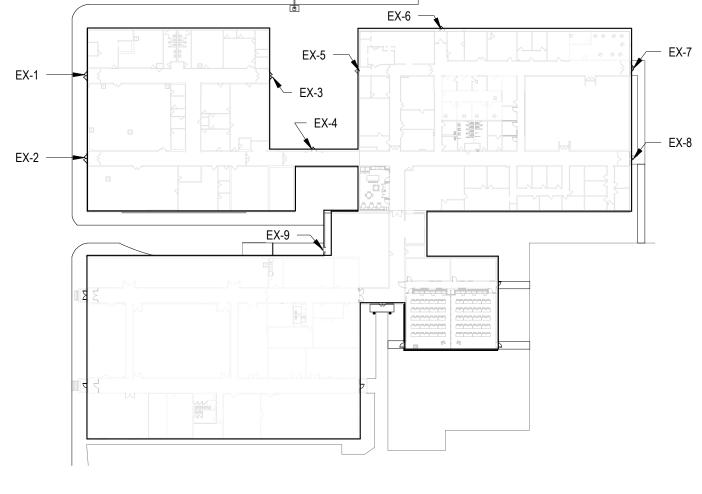
A600 1/4" = 1'-0"



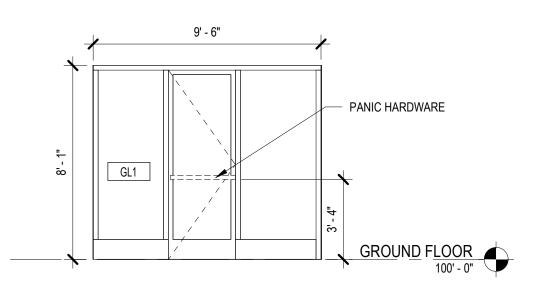
SF ELEV. - CC - SOUTH EAST ENTRY



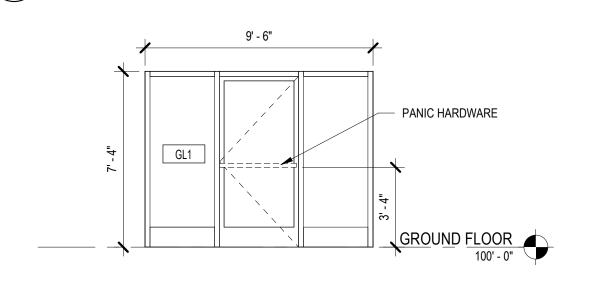
SF ELEV. - CC - SOUTH WEST ENTRY A600 1/4" = 1'-0"



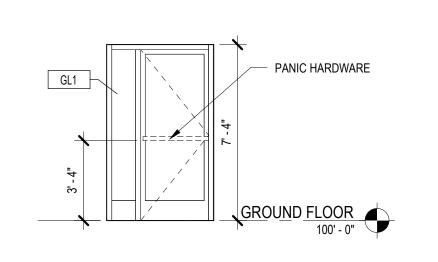
**RE-CORE DOOR LOCATION PLAN** 1/64" = 1'-0"



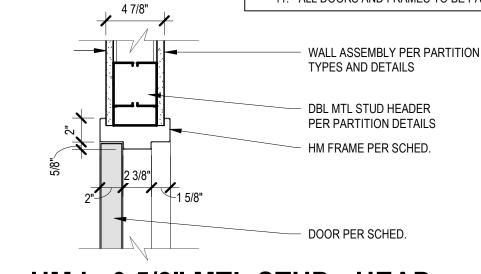
SF ELEV - CC - NORTH EAST ENTRY



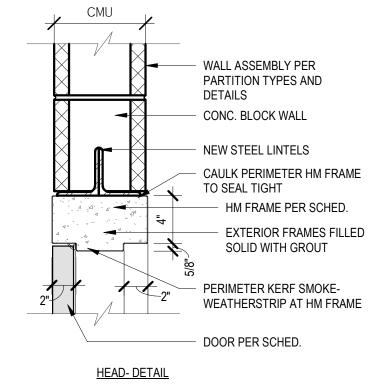
SF ELEV. - CC - SOUTH EAST ENTRY INT.



SF ELEV.- DD BUILDING ENTRY 3 **SF EI**A600 1/4" = 1'-0"



HM in 3 5/8" MTL STUD - HEAD



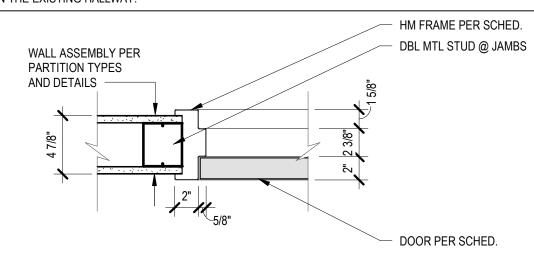
EXTERIOR FRAMES FILLED SOLID WITH GROUT	DOOR PER SCHED.
EXST./NEW CONC. BLOCK WALL	PERIMETER KERF WEATHERSTRIP SEALS AT HM FRAME HM FRAME PER SCHED.
JAMB- DETAIL NAA	CAULK PERIMETER HM FRAME TO SEAL TIGHT

#### **HEAD AND JAMB DETAIL- MASONRY** 1 1/2" = 1'-0"

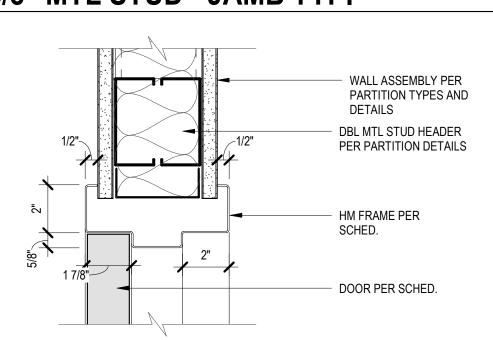
	DOOR SCHEDULE												
	DOOR FRAME				HEAD/J	IAMB/SILL	DETAILS						
DOOR						FRAME							
NO.	DOOR TYPE	WIDTH	HEIGHT	THICKNESS	FRAME TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL	FIRE RATING	HARDWARE	COMMENTS
B-101-1	D2	4' - 0"	7' - 0"	T	F1	НМ	PT	8/A502	9/A502		I	001	
B-101-1		4' - 0"	7' - 0"			НМ	PT	8/A502	9/A502 9/A502			001	
B-101-2 B-101-3		3' - 0"	7' - 0"	1 3/4"		HM	PT	8/A502	9/A502		45 MINUTE	001	
B-101-3		3' - 0"	7' - 0"	1 3/4"		HM	PT	8/A502	9/A502		45 MINUTE	002	
B-101-4 B-146-1		3' - 0"	7' - 0"	1 3/4		HM	PT	8/A502	9/A502		45 MINUTE	002	
B-147-1		3' - 0"	7' - 0"			HM	PT	8/A502	9/A502		45 MINUTE	003	
B-147-1		3' - 0"	7' - 0"			HM	PT	8/A502	9/A502		45 MINUTE	003	
C-115-1		5' - 10"	7' - 1 1/2"			ALUM	ANOD	1/A502		3/A502	45 MINUTE	008	
C-115-1		5' - 11 13/16"	7' - 1 1/2"			ALUM	ANOD	1/A502	2/A502	3/A502	45 WIIIVOTE	009	
C-115-2		6' - 0"	7' - 0"	1 3/4"		HM	PT	1///302	10/A600	3/7/302	45 MINUTE		DOOR ON HOLD OPENS
C-125-1		3' - 3 1/2"	7' - 4"	1 0/4		ALUM	ANOD	1/A502	2/A502	3/A502	45 MINUTE	010	BOOK ON HOLD OF LINE
C-125-2		3' - 3 1/2"	7' - 1 7/16"			ALUM	ANOD	1/A502		3/A502	45 WIII VOTE	011	
C-125-3		2' - 9 1/2"	7' - 10 3/4"			ALUM	ANOD	1/A502	2/A502	3/A502		010	
D-101-1		3' - 0"	7' - 0"	1 3/4"		HM	PT	8/A502	9/A502	0/7/302		005	
D-101-1		3' - 0"	7' - 0"	1 0/4		STL	PT	0/7302	3/7302		45 MINUTE	006	
D-101-2	_	3' - 0"	7' - 0"			STL	PT				45 MINUTE	006	
D-102-2		3' - 0"	7' - 0"	1 3/4"		HM	PT	8/A502	9/A502		TOWNTOTE	005	
D-102-2 D-103-1		3' - 0"	7' - 0"	1 3/4"		HM	PT	8/A502	9/A502			004	
D-105-1		4' - 0"	7' - 0"	1 0/4		STL	PT	8/A502	9/A502		45 MINUTE	012	
D-105-2	_	2' - 10"	7' - 1 1/2"			ALUM	PT	1/A502		3/A502	45 MINUTE	010	
D-106-2		3' - 0"	7' - 0"	1 3/4"		HM	PT	8/A502	9/A502	0//1002	TOWNTOTE	004	
EX-1		6' - 0"	7' - 2"	1 0/4	1 1	TilVi	1	0//1002	3// 1002			000	
EX-2		6' - 0"	7' - 2"									000	
EX-3		6' - 0"	8' - 0"									000	
EX-4		2' - 10"	7' - 0"									000	
EX-5		3' - 8"	7' - 0"									000	
EX-6		3' - 0"	7' - 0"									000	
EX-7		5' - 11 7/8"	8' - 0"									000	
EX-8		3' - 0"	8' - 0"									000	
EX-9		3' - 0"	7' - 0"	1 3/4"							45	000	

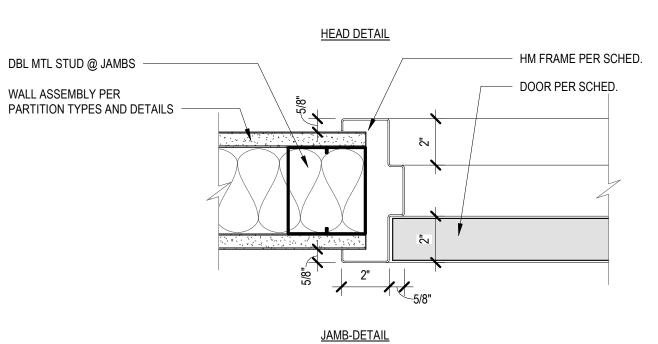
#### DOOR SCHEDULE NOTES

- 1. DIMENSION PROVIDED IN THIS SCHEDULE ARE NOMINAL. PRIOR TO FABRICATION OF ANY DOOR OR FRAME, THE GENERAL CONTRACTOR AND MANUFACTURER(S) ARE RESPONSIBLE FOR COORDINATION OF ALL DIMENSIONS TAKEN IN THE FIELD CONCERNING THE FRAME AND ROUGH OPENINGS.
- 2. ALL GLAZING WITHIN DOORS, FRAMES OR SIDELITES SHALL COMPLY WITH THE GLAZED PANEL SAFETY STANDARDS AS REQUIRED BY THE INTERNATIONAL BUILDING CODE (CURRENT EDITION). PROVIDE TEMPERED GLASS AS REQUIRED AND IN COMPLIANCE WITH THE AFOREMENTIONED CODE STANDARDS. IN ADDITION, TEMPERED GLASS SHALL BE PROVIDED WHERE INDICATED AS "TEMP" ON THE DRAWINGS.
- 3. DO NOT PAINT OVER ANY CODE-REQUIRED LABELS, INCLUDING BUT NOT LIMITED TO 'UL' OR 'WH' RATING LABELS.
- 4. ALL HOLLOW METAL FRAMES SHALL BE AS SPECIFIED, CORNERS SHALL BE KNOCK-DOWN TYPE, UNLESS THEY ARE FIRE RATED FRAMES WHERE WELDED CORNERS WILL BE NECESSARY.
- 5. STEEL ENTRANCE FRAMES SHALL BE OF COLD ROLLED STEEL FURNISHED WITH A FACTORY PRIMER OR GALVANIZATION AS SPECIFIED. WIPE-COAT GALVANIZED STEEL WILL NOT BE ACCEPTED.
- 6. WHERE FRAMES ARE FULLY GROUTED THE INSIDE OF THE FRAME SHALL BE COATED WITH A CORROSION-RESISTANT MATERIAL AS RECOMMENDED BY THE MANUFACTURER FOR SUCH AN APPLICATION.
- 7. GROUT FOR STEEL FRAMES SHALL BE MIXED TO A THICK CONSISTENCY TO AVOID EROSION DURING THE PRESENCE OF EXCESS WATER IN THE MIX.
- 8. FRAMES SET IN CONCRETE OR MASONRY ROUGH OPENINGS SHALL BE PROVIDED WITH THE APPROPRIATE ANCHORS AND SHALL HAVE AN ANCHOR FOR EACH 30 INCHES OF JAMB HEIGHT, OR FASTENED WITH A MINIMUM OF
- 9. FOR INFORMATION ON DOOR HARDWARE AS INDICATED ON THE SCHEDULE, AND OTHER HARDWARE REQUIREMENTS FOR DOORS AND FRAMES, REFERENCE WRITTEN SPECIFICATION SECTION 08 7100 DOOR HARDWARE. THIS SECTION OUTLINES THE REQUIREMENTS FOR THE HARDWARE, AND THE HARDWARE SETS.
- 10. DOOR HARDWARE SHALL NOT BE MOUNTED OVER 42 INCHES IN HEIGHT PER ACCESSIBILITY REQUIREMENTS. HEIGHTS FOR TYPES OF HARDWARE LOCK/LATCHSETS ARE AS SPECIFIED IN WRITTEN SPECIFICATIONS.
- 11. ALL DOORS AND FRAMES TO BE PAINTED TO MATCH EXISTING ADJACENT DOORS AND FRAMES WITHIN THE EXISTING HALLWAY











**U** 

Revision Number Revision Date AS NOTED 01/24/2023 SC 2021-885-02

**A600** 

#### PIPING ELEMENTS/VALVING

—bd— BALL VALVE	———⇒ PIPE DROPPING DOWN
E—— CAP ON END OF PIPE	——O PIPE RISING UP
- CO⊢ CLEANOUT	—├┴── CIRCUIT SETTING BALANCE VALVE
FD <mark>⊠</mark> FLOOR DRAIN	— <del>   </del> STRAINER
CO ⊙—— FLOOR CLEANOUT	— SWING CHECK VALVE
	—   □ TEE OUTLET DOWN
W.C.O. WALL CLEAN OUT	——O— TEE OUTLET UP
WHA ■ WATER HAMMER ARRESTER	

#### **SCOPE OF WORK**

PLUMBING SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO:

. THE DEMOLITION OF EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED PIPING AND

2. THE INSTALLATION OF NEW PLUMBING FIXTURES AND ALL ASSOCIATED PIPING AND ACCESSORIES.

NOTE: THIS SCOPE OF WORK DESCRIPTION IS PROVIDED TO GIVE AN OVERALL "MACRO" DESCRIPTION OF THIS PROJECT . CONTRACTOR IS RESPONSIBLE TO REVIEW ALL ENGINEERING & ARCHITECTURAL DRAWINGS & VISIT THE SITE IF NEEDED, PRIOR TO SUBMISSION OF BID.

#### **CODE REFERENCE**

2020 INTERNATIONAL MECHANICAL CODE 2020 INTERNATIONAL BUILDING CODE 2020 INTERNATIONAL PLUMBING CODE 2020 INTERNATIONAL ENERGY CONSERVATION CODE

AE	BREVIATIONS:
AD	ACCESS DOOR
CO	CLEAN OUT
CW	COLD WATER
DFU	DRAINAGE FIXTURE UNIT
FCO	FLOOR CLEAN OUT
FC	FIELD CONNECT
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
FU	FIXTURE UNIT
HW	HOT WATER
HWR	HOT WATER RETURN
IAW	IN ACCORDANCE WITH
IWFD	INDIRECT WASTE FUNNEL DRAIN
LAV	LAVATORY
JS	JANITOR'S SINK
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NYS-PC	NEW YORK STATE PLUMBING CODE
S	SANITARY
SD	STORM DRAIN
TMV	THERMOSTATIC MIXING VALVE
U.O.N.	UNLESS OTHERWISE NOTED
UR	URINAL
V	VENT
WC	WATER CLOSET
TYP	TYPICAL

THE ABBREVIATIONS ARE SHOWN FOR GENERAL REFERENCE ONLY. THE PRESENCE OF AN ABBREVIATION ON THIS LIST DOES NOT IMPLY ITS USE ON THIS PROJECT. REFER TO DRAWINGS FOR SPECIFIC ABBREVIATIONS USED.

VIF VERIFY IN FIELD

WCO WALL CLEAN OUT

WFU WATER FIXTURE UNITS

ALL PLUMBING EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS/SPECIFICATIONS.

#### **PLUMBING GENERAL NOTES:**

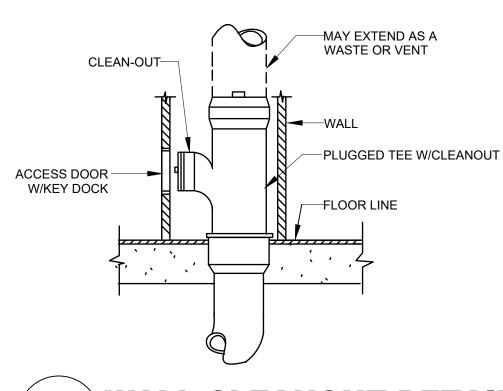
- (1) ALL PLUMBING WORK UNDER THIS CONTRACT SHALL CONFORM TO THE 2020 NEW YORK STATE PLUMBING CODE, THE NEW YORK STATE ENERGY CODE, AND THE REQUIREMENTS OF THE UTILITY AND THE LOCAL WATER COMPANY.
- (2) ALL MATERIALS SHALL BE NEW UNLESS NOTED OTHERWISE.
- (3) THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ALL LABOR AND MATERIALS SUPPLIED AND INSTALLED UNDER THIS CONTRACT AND SHALL GUARANTEE THE WORK PERFORMED UNDER THIS CONTRACT FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE OF THIS WORK.
- CONTRACTOR SHALL CONSULT WITH, COOPERATE AND COORDINATE WITH OTHER TRADES. IN ORDER TO MINIMIZE INTERFERENCES BETWEEN TRADES DURING PERFORMANCE OF THIS WORK.
- 5) THE CONTRACTOR SHALL PREPARE AND FILE ALL REQUIRED PLANS AND PERMITS WITH THE LOCAL AUTHORITIES. PC SHALL PAY THE FILING FEES AS REQUIRED. CONTRACTOR SHALL OBTAIN ALL APPROVALS AND SHALL PAY FOR ALL WORK PERMITS, INSPECTIONS AND SIGN-OFFS AS REQUIRED TO EXECUTE THIS WORK IN A MANNER IN CONFORMANCE WITH THE CODES AND AUTHORITIES HAVING
- 6) THE CONTRACTOR SHALL PERFORM ALL TESTS AND ARRANGE FOR ALL INSPECTIONS FOR WORK UNDER HIS CONTRACT AS REQUIRED BY LAW AND SHALL SUPPLY ALL CERTIFICATES OF INSURANCE AS REQUIRED BY THE LAW AND THE
- (7) THE CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO ALL PLUMBING EQUIPMENT REGARDLESS WHETHER ILLUSTRATED HEREIN WITHOUT ANY ADDITIONAL COSTS TO THE OWNER.
- (8) CONTRACTOR SHALL VISIT THE SITE & BECOME FAMILIAR WITH THE EXISTING CONDITIONS, INCLUDING THE SIZE OF CONNECTIONS, ROUGHING DIMENSIONS, ETC. BEFORE SUBMITTING A QUOTATION FOR THE WORK.
- (9) CONTRACTOR SHALL PERFORM ALL CUTTING, EXCAVATION, BACKFILLING, ROUGH & FINISH PATCHING AS PER THE SPECIFICATIONS AS REQUIRED FOR THE INSTALLATION OF THE WORK, UNLESS NOTED OTHERWISE.
- (10) ALL CONNECTIONS TO NEW AND/OR EXISTING EQUIPMENT SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- (11) IT IS THE INTENT OF THIS CONTRACT THAT THE COMPLETED WORK BE FULLY
- 12) ALL PIPE HANGERS AND SUPPORTS SHALL BE INSTALLED AT INTERVALS AND BE FABRICATED OF MATERIALS AS REQUIRED BY THE 2009 INTERNATIONAL PLUMBING
- (13) ALL NEW PLUMBING FIXTURES SHALL BE INSTALLED WITH ANGLE STOP VALVES IN THE SUPPLY LINES SERVING THE FIXTURE.
- (14) ALL NEW EXPOSED WATER AND WASTE PIPING SERVING THE FIXTURES SHALL BE CHROME PLATED AND SHALL HAVE CHROME PLATED ESCUTCHEONS RIGIDLY ATTACHED TO THE PIPING AT THE POINT OF WALL OR FLOOR PENETRATIONS.
- 5) CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL NEW PLUMBING FIXTURES AND EQUIPMENT TO BE SUPPLIED AND INSTALLED UNDER THIS CONTRACT FOR APPROVAL BEFORE INSTALLATION OF SAME.
- 16) WATER HAMMER ARRESTORS (APPROVED FIELD FABRICATED OR MANUFACTURED) SHALL BE INSTALLED AT ALL RUN OUTS IN HOT AND/OR COLD WATER LINES SERVING TOILET ROOMS AND OTHER AREAS WHICH INCORPORATE "RAPID - ACTION" VALVES SUCH AS FLUSHOMETERS, SOLENOID VALVES, ETC.
- 7) ALL PIPING SHALL BE TESTED AT A MINIMUM PRESSURE OF 1-1/2 TIMES THE MAXIMUM OPERATING PRESSURE UNLESS OTHERWISE NOTED ON THE DOCUMENTS OR THE PLUMBING CODE AND IN ACCORDANCE WITH THE UTILITY REQUIREMENTS FOR GAS
- (18) ALL REMOVALS PERFORMED UNDER THIS CONTRACT SHALL INCLUDE REMOVAL OF ALL DEBRIS AND DISPOSAL AT AN APPROPRIATE SITE.
- 19) ALL LAVATORIES DESIGNED FOR USE BY PERSONS CONFINED TO WHEELCHAIRS SHALL HAVE THE HOT & COLD WATER SERVICES, AS WELL AS THE TRAP, RECESSED & INSULATED IN ACCORDANCE WITH ADA REQUIREMENTS.
- (20) REFER TO THE ARCHITECTURAL PLANS FOR ALL STRUCTURAL DIMENSIONS.
- (21) ALL WORK TO BE COORDINATED WITH OTHER TRADES.
- (22) ALL PIPING PENETRATIONS TO BE SEALED AROUND WITH "NELSON" FIRE SEAL.
- (23) ALL WATER SERVICE PIPING WITHIN THE BUILDING IS TO BE INSULATED IN ACCORDANCE WITH ALL INTERNATIONAL PLUMBING CODE, AND INTERNATIONAL
- (24) ALL PLUMBING FIXTURES TO BE INSTALLED AS PER FACTORY RECOMMENDATIONS.
- (25) ALL PLUMBING FIXTURES TO BE TRAPPED, VENTED AND PROVIDED WITH AIR SHOCKS WHEN REQUIRED.

(26) PLUMBING FIXTURES SHALL COMPLY WITH "WATER CONSERVATION" REQUIREMENT

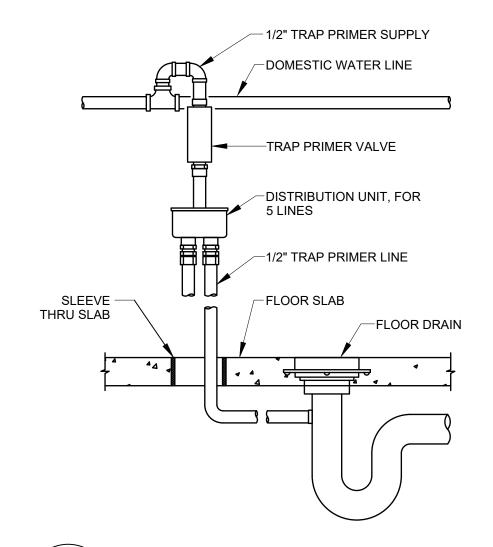
- AS DETAILED IN THE 2009 INTERNATIONAL PLUMBING CODE. (27) THE CONTRACTOR IS RESPONSIBLE TO SUBMIT APPLICATION AND TAP FEES TO LOCAL WATER AUTHORITY AND HAVE OWNER FILL OUT APPLICATION UPON COMPLETION OF
- (28) FLOOR DRAINS AND FLOOR CLEAN-OUTS SHALL BE SET LEVEL WITH FINISHED FLOORS.
- (29) ALL PIPE DIMENSIONS ARE INSIDE CLEAR.

PLUMBING ROUGH-IN INSPECTION.

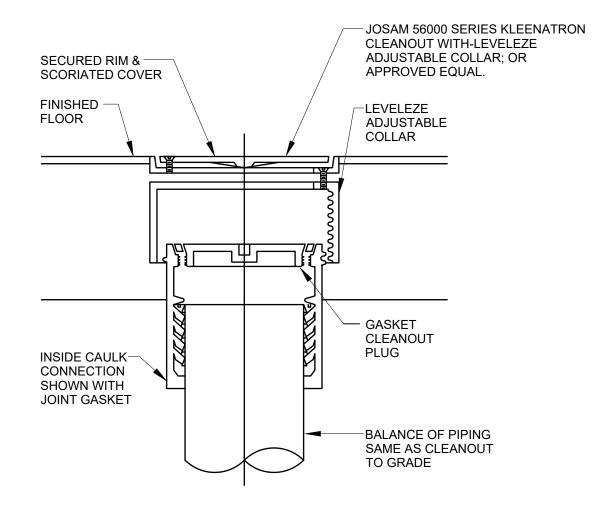
- (30) ALL PLUMBING FIXTURES TO HAVE ISOLATION VALVES.
- (31) THE CONTRACTOR IS RESPONSIBLE TO ADJUST HOT WATER HEATER (HWH) TEMPERATURE TO ENSURE A TEMPERATURE RANGE OF 110°F TO 120°F AT THE INDIVIDUAL FIXTURE OUTPUT. THE CONTRACTOR MUST ENSURE A TEMPERATURE OF 120° F MAXIMUM AT THE FIXTURES TO PREVENT SCALDING.
- (32) BUILDING DOMESTIC WATER DEMAND & SIZING IS CALCULATED FROM THE 2020 NEW YORK STATE PLUMBING CODE.
- (33) BUILDING SANITARY DEMAND & SIZING IS CALCULATED FROM THE 2020 NEW YORK STATE PLUMBING CODE.
- (34) ALL DFU CALCULATIONS ARE BASED OFF OF THE 2020 NEW YORK STATE PLUMBING
- (35) ALL SANITARY PIPING SHALL BE PITCHED IN ACCORDANCE WITH THE 2020 NEW YORK STATE PLUMBING CODE.
- (36) ALL VENT SIZING IS BASED OFF OF THE 2020 NEW YORK STATE PLUMBING CODE.
- (37) ALL PLUMBING EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS/SPECIFICATIONS.
- (38) PLUMBING CONTRACTOR TO TRENCH AND FILL.
- (39) PLUMBING CONTRACTOR TO DEMOLISH TO ACCOMMODATE WORK. ROUGH AND FINISH PATCHING AND PAINTING BY CONTRACTOR FOR GENERAL CONSTRUCTION.
- (40) PLUMBING CONTRACTOR IS TO REVISE GAS PIPING TO ACCOMMODATE NEW ROOFTOP GAS-FIRE EQUIPMENT AND SHALL COORDINATE WITH LOCAL UTILITY.
- (41) WHERE EXISTING PIPING, OR OTHER PLUMBING EQUIPMENT IS BEING REMOVED FROM A WALL PENETRATION WHICH WILL RESULT IN A NEW VOID IN THE EXISTING WALL, THIS VOID SHALL BE INFILLED BY THE PLUMBING CONTRACTOR TO MATCH EXISTING WALL CONSTRUCTION, INCLUDING ANY FIRE RATINGS. THESE WILL EITHER BE MASONRY OR DRYWALL INFILLS DEPENDING ON THE PENETRATION LOCATION LOCATIONS WHERE THIS SITUATION IS ANTICIPATED TO OCCUR HAVE BEEN NOTED ON THE PLUMBING AND ARCHITECTURAL DRAWINGS, HOWEVER, THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR INFILLING ALL SUCH VOIDS THAT ARE CREATED WHETHER SPECIFICALLY NOTED OR NOT. PLUMBING AND ARCHITECTURAL NOTES ARE BASED ON FIELD WORK AND EXISTING DRAWINGS. CONTRACTORS MUST FIELD VERIFY PRIOR TO BID WHERE ANY SUCH VOIDS WILL BE CREATED BASED ON THE DESIGN INTENT OF THESE DRAWINGS.



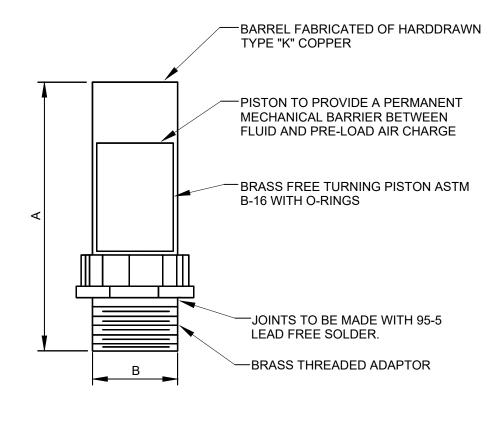
**WALL CLEANOUT DETAIL** P-001 / SCALE: NONE



TRAP PRIMER DETAIL P-001 / SCALE: NONE







PPP SIZE	P.D.I. SYMBOL	FIXTURE UNIT RATINGS	A SIZE	B SIZE
1/2"	Α	1 - 11	5"	1/2"
3/4"	В	12 - 32	5"	3/4"
1"	С	33 - 60	7"	1"
1-1/4"	D	61 - 113	7"	1-1/4"
1-1/2"	Ē	114 - 154	9"	1-1/2"
2"	F	155 - 330	9"	2"

## WATER HAMMER ARRESTOR DETAIL P-001 / SCALE: NONE

PPP SIZE	P.D.I. SYMBOL	FIXTURE UNIT RATINGS	A SIZE	B SIZE
1/2"	Α	1 - 11	5"	1/2"
3/4"	В	12 - 32	5"	3/4"
1"	С	33 - 60	7"	1"
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2"	F	155 - 330	9"	2"

FIXTURE			ACCESSORIE	ES		C)A( (INICLI)	LAAZ (INIOLI)	CANITADY (INICI)	VENIT (INICII)
DESCRIPTION MAN		MODEL	DESCRIPTION	MANUFACTURER	MODEL	- CVV (INCH)		SANITARY (INCH)	VENT (INCH)
BOTTLE FILLING STATION WITH SINGLE ADA WATER COOLER. FILTERED. REFRIGERATED	ELKAY	LZS8WSLK	-	-	-	1/2	-	1 1/2	1 1/2
WHITE VITREOUS CHINA, ADA COMPLIANT WALL MOUNTED LAVATORY SINK, LESS OVERFLOW, AND FAUCET HOLES ON 4" CENTERS	AMERICAN STANDARD	356.912	SINGLE HANDLED LAVATORY FAUCET WITH 4" FIXED CENTERS, 0.5 GPM	CHICAGO FAUCETS	420-E2805ABCP	1/2	1/2	1 1/2	1 1/2
STAINLESS STEEL SINGLE BOWL DROP IN ADA COMPLIANT SINK. 5-1/2" DEEP WITH REAR CENTER DRAIN	ELKAY	LRAD252255	DECK-MOUNTED MANUAL SINK FAUCET WITH 8" FIXED CENTERS, 8 INCH SWING GOOSENECK SPOUT, AND 4" WRISTBLADE HANDLES. ADA COMPLIANT.	CHICAGO FAUCETS	100-GN8AE-317AB	1/2	1/2	1 1/2	1 1/2
EXISTING FIXTURE TO BE SNAKED, CLEANED AND TO REMAIN.	-	-	FLUSH VALVE (1.0 GPF)	SLOAN	SLOAN 186	3/4	-	-	-
WHITE VITREOUS CHINA ADA HEIGHT, FLOOR MOUNTED, FLOOR OUTLET WATER CLOSET. 1.6 GPF. ELONGATED BOWL	AMERICAN STANDARD	3043.001	FLUSH VALVE (1.6 GPF) ELONGATED, OPEN FRONT TOILET SEAT, LESS LID	SLOAN BEMIS	SLOAN 111	1	-	4	2
	DESCRIPTION  BOTTLE FILLING STATION WITH SINGLE ADA WATER COOLER. FILTERED. REFRIGERATED WHITE VITREOUS CHINA, ADA COMPLIANT WALL MOUNTED LAVATORY SINK, LESS OVERFLOW, AND FAUCET HOLES ON 4" CENTERS  STAINLESS STEEL SINGLE BOWL DROP IN ADA COMPLIANT SINK. 5-1/2" DEEP WITH REAR CENTER DRAIN  EXISTING FIXTURE TO BE SNAKED, CLEANED AND TO REMAIN.  WHITE VITREOUS CHINA ADA HEIGHT, FLOOR MOUNTED, FLOOR OUTLET WATER CLOSET. 1.6	DESCRIPTION  BOTTLE FILLING STATION WITH SINGLE ADA WATER COOLER. FILTERED. REFRIGERATED  WHITE VITREOUS CHINA, ADA COMPLIANT WALL MOUNTED LAVATORY SINK, LESS OVERFLOW, AND FAUCET HOLES ON 4" CENTERS  STAINLESS STEEL SINGLE BOWL DROP IN ADA COMPLIANT SINK. 5-1/2" DEEP WITH REAR CENTER DRAIN  EXISTING FIXTURE TO BE SNAKED, CLEANED AND TO REMAIN.  WHITE VITREOUS CHINA ADA HEIGHT, FLOOR MOUNTED, FLOOR OUTLET WATER CLOSET. 1.6	DESCRIPTION  BOTTLE FILLING STATION WITH SINGLE ADA WATER COOLER. FILTERED. REFRIGERATED  ELKAY  WHITE VITREOUS CHINA, ADA COMPLIANT WALL MOUNTED LAVATORY SINK, LESS OVERFLOW, AND FAUCET HOLES ON 4" CENTERS  STAINLESS STEEL SINGLE BOWL DROP IN ADA COMPLIANT SINK. 5-1/2" DEEP WITH REAR  CENTER DRAIN  EXISTING FIXTURE TO BE SNAKED, CLEANED AND TO REMAIN.  WHITE VITREOUS CHINA ADA HEIGHT, FLOOR MOUNTED, FLOOR OUTLET WATER CLOSET. 1.6  AMERICAN STANDARD  356.912  AMERICAN STANDARD  3043.001	DESCRIPTION  BOTTLE FILLING STATION WITH SINGLE ADA WATER COOLER. FILTERED. REFRIGERATED  WHITE VITREOUS CHINA, ADA COMPLIANT WALL MOUNTED LAVATORY SINK, LESS OVERFLOW, AND FAUCET HOLES ON 4" CENTERS  STAINLESS STEEL SINGLE BOWL DROP IN ADA COMPLIANT SINK. 5-1/2" DEEP WITH REAR CENTER DRAIN  EXISTING FIXTURE TO BE SNAKED, CLEANED AND TO REMAIN.  DESCRIPTION  BUMANUFACTURER  MODEL  LZS8WSLK  -  AMERICAN STANDARD  356.912  SINGLE HANDLED LAVATORY FAUCET WITH 4" FIXED CENTERS, 0.5 GPM  BELKAY  LRAD252255  DECK-MOUNTED MANUAL SINK FAUCET WITH 8" FIXED CENTERS, 8 INCH SWING GOOSENECK SPOUT, AND 4" WRISTBLADE HANDLES. ADA COMPLIANT.  EXISTING FIXTURE TO BE SNAKED, CLEANED AND TO REMAIN.  -  FLUSH VALVE (1.0 GPF)  WHITE VITREOUS CHINA ADA HEIGHT, FLOOR MOUNTED, FLOOR OUTLET WATER CLOSET. 1.6  AMERICAN STANDARD  3043.001  FLUSH VALVE (1.6 GPF)	DESCRIPTION  MANUFACTURER  MODEL  DESCRIPTION  MANUFACTURER  BOTTLE FILLING STATION WITH SINGLE ADA WATER COOLER. FILTERED. REFRIGERATED  WHITE VITREOUS CHINA, ADA COMPLIANT WALL MOUNTED LAVATORY SINK, LESS OVERFLOW, AND FAUCET HOLES ON 4" CENTERS  STAINLESS STEEL SINGLE BOWL DROP IN ADA COMPLIANT SINK. 5-1/2" DEEP WITH REAR CENTER DRAIN  ELKAY  ELKAY  LRAD252255  DECK-MOUNTED MANUAL SINK FAUCET WITH 8" FIXED CHICAGO FAUCETS  CENTERS, 8 INCH SWING GOOSENECK SPOUT, AND 4" WRISTBLADE HANDLES. ADA COMPLIANT.  EXISTING FIXTURE TO BE SNAKED, CLEANED AND TO REMAIN.  FLUSH VALVE (1.0 GPF)  SLOAN  WHITE VITREOUS CHINA ADA HEIGHT, FLOOR MOUNTED, FLOOR OUTLET WATER CLOSET. 1.6  AMERICAN STANDARD  366.912  SINGLE HANDLED LAVATORY FAUCET WITH 4" FIXED CHICAGO FAUCETS  CENTERS, 8 INCH SWING GOOSENECK SPOUT, AND 4" WRISTBLADE HANDLES. ADA COMPLIANT.  FLUSH VALVE (1.0 GPF)  SLOAN  SLOAN	DESCRIPTION  MANUFACTURER  MODEL  DESCRIPTION  DESCR	DESCRIPTION  MANUFACTURER  MODEL  DESCRIPTION  DESCRIPTION  DESCRIPTION  DESCRIPTION  MANUFACTURER  MODEL  DESCRIPTION  MANUFACTURER  MODEL  DESCRIPTION  DESCRIPT	DESCRIPTION  MANUFACTURER  MODEL  DESCRIPTION  MANUFACTURER  MODEL  DESCRIPTION  MANUFACTURER  MODEL  CW (INCH)  HW (INCH)  BOTTLE FILLING STATION WITH SINGLE ADA WATER COOLER. FILTERED. REFRIGERATED  ELKAY  WHITE VITREOUS CHINA, ADA COMPLIANT WALL MOUNTED LAVATORY SINK, LESS OVERFLOW, AND FAUCET HOLES ON 4" CENTERS  AMERICAN STANDARD  STAINLESS STEEL SINGLE BOWL DROP IN ADA COMPLIANT SINK. 5-1/2" DEEP WITH REAR CENTER RAIN  ELKAY  ELKAY  ELKAY  ELKAY  ELKAY  WRISTBLADE HANDLES. ADA COMPLIANT.  FLUSH VALVE (1.0 GPF)  SLOAN  SLOAN 111  AMERICAN STANDARD  3043.001  FLUSH VALVE (1.6 GPF)  FLUS	DESCRIPTION  MANUFACTURER  MODEL  DESCRIPTION  MANUFACTURER  MODEL  DESCRIPTION  MANUFACTURER  MODEL  DESCRIPTION  MANUFACTURER  MODEL  CW (NCH)  WHITE VITREOUS CHINA, ADA COMPLIANT WALL MOUNTED LAVATORY SINK, LESS OVERFLOW, AND FAUCET HOLES ON 4" CENTERS  STAINLESS STEEL SINGLE BOWL DROP IN ADA COMPLIANT SINK. 5-1/2" DEEP WITH REAR CENTER DRAIN  EXISTING FIXTURE TO BE SNAKED, CLEANED AND TO REMAIN.  EXISTING FIXTURE TO BE SNAKED, CLEANED AND TO REMAIN.  WHITE VITREOUS CHINA ADA HEIGHT, FLOOR MOUNTED, FLOOR OUTLET WATER CLOSET. 1.6  AMERICAN STANDARD  3043.001  DECK-MOUNTED DESCRIPTION  MANUFACTURER  MODEL  CHICAGO FAUCETS  CHICAGO FAUCETS  CHICAGO FAUCETS  CHICAGO FAUCETS  CHICAGO FAUCETS  1/2  1/2  1/2  1/2  1/2  1/2  1/2  1/

1. PROVIDE ALL ACCESSORIES NECESSARY FOR A COMPLETE AND FUNCTIONAL INSTALLATION.









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OF NEW

Revision Date

AS NOTED TL 01/24/2023

#### **PLUMBING NOTES:**

- DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE. PREPARE FOR FUTURE CONNECTION TO NEW FIXTURE IN THE SAME LOCATION.
- REMOVE EXISTING SINK AND ALL ASSOCIATED PIPING. DISCONNECT PIPING AS CLOSE TO THE MAIN AS POSSIBLE AND CAP.
- 3 SNAKE AND CLEAN EXISTING URINAL. IT IS THE INTENT TO REUSE EXISTING CHINA FIXTURE.
- 4 EXISTING PIPING TO FIXTURES TO REMAIN.

#### **GENERAL NOTES:**

- ANY PIPING WITHIN WALLS THAT ARE BEING DEMOLISHED THAT PENETRATE THE FLOOR SLAB MUST BE CUT, GROUND AND CAPPED A MINIMUM OF 2" BELOW THE FLOOR SURFACE. PATCH FLOOR FLUSH WITH FLOOR SURFACE PER SPECIFICATION SECTION 030130.3.2.
- FILL AND FIRESTOP PENETRATIONS IN CORRIDOR WALLS CREATED BY REMOVAL OR INSTALLATION OF ANY PIPING.

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ERIE COUNTY HEAR



AS NOTED

2021-885-02

P101

PLUMBING BUILDING BB - DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'-0'

# N PLUMBING BUILDING DD - DEMOLITION FLOOR PLAN SCALE: 1/8" = 1'-0'

#### PLUMBING DEMOLITION NOTES:

- ① DISCONNECT AND REMOVE EXISTING SINK. CUT TOP OF PIPE RISER TO BE BELOW FLOOR TO ALLOW PATCHING AND PROVIDE PIPING INSERT CAP INSTALLED APPROXIMATELY BELOW TOP OF PIPE. PATCH FLOOR FLUSH WITH FLOOR SURFACE PER BELOW TOP OF PIPE. SPECIFICATION SECTION 030130.3.2. CAP ALL VENT PIPING AS CLOSE TO THE MAIN AS POSSIBLE.
- 2 DISCONNECT PIPING AS CLOSE TO THE MAIN AS POSSIBLE AND CAP.
- 3 DISCONNECT AND REMOVE EXISTING PIPING BACK TO POINT INDICATED AND CAP.
- DISCONNECT AND REMOVE EXISTING FLOOR DRAIN AND PIPING. CUT BELOW FLOOR AND CAP AT MAIN. COORDINATE WITH ARCHITECTURAL SET FOR FILLING AREA FLUSH WITH FLOOR.
- 5 DISCONNECT AND REMOVE EXISTING VENT PIPING.

#### **GENERAL NOTES:**

ANY PIPING WITHIN WALLS THAT ARE BEING DEMOLISHED THAT PENETRATE THE FLOOR SLAB MUST BE CUT, GROUND AND CAPPED A MINIMUM OF 2" BELOW THE FLOOR SURFACE. PATCH FLOOR FLUSH WITH FLOOR SURFACE PER SPECIFICATION SECTION 030130.3.2.





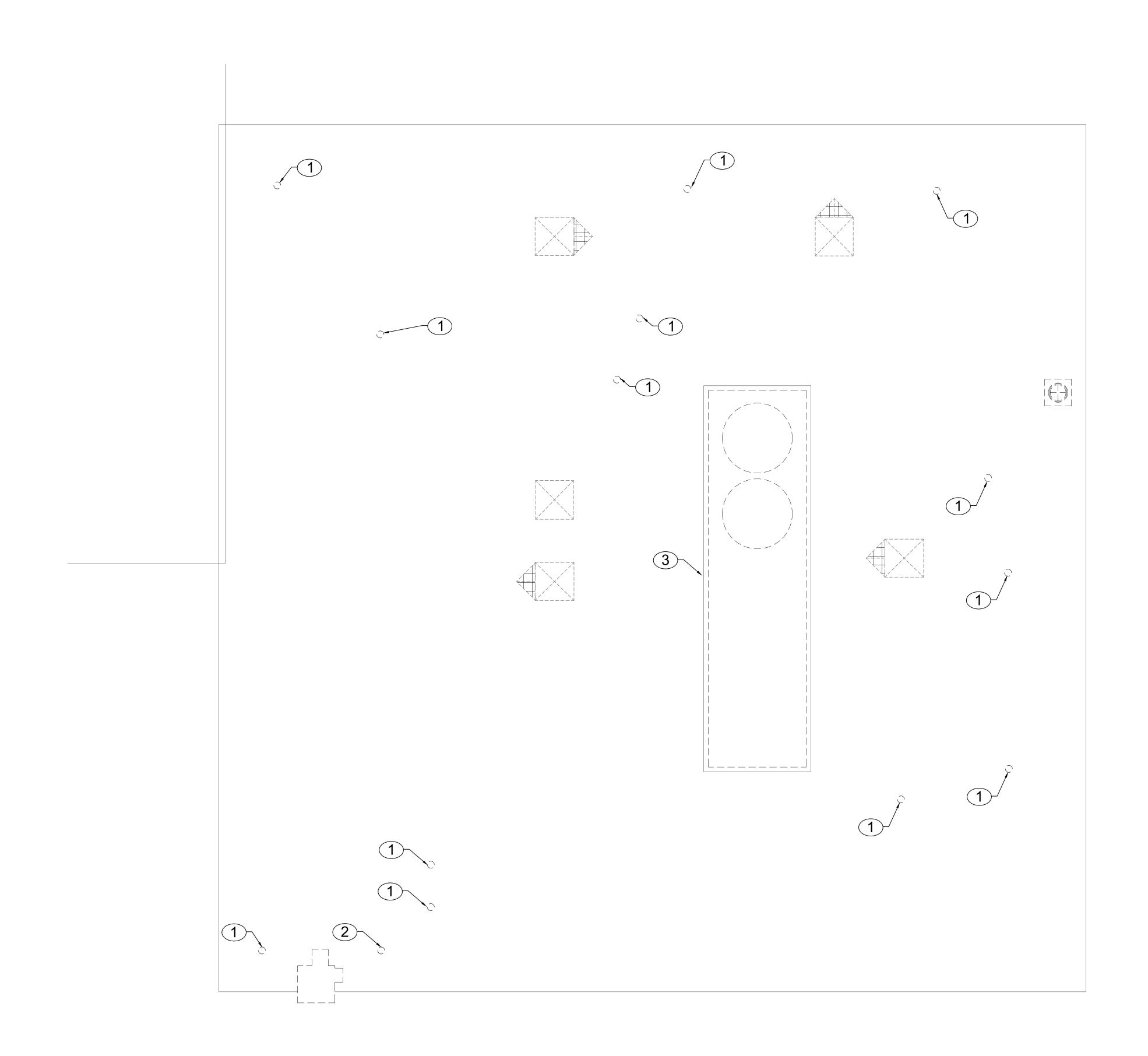




AS NOTED

2021-885-02

P102



#### **PLUMBING NOTES:**

- 1 PLUMBING CONTRACTOR TO REMOVE ALL VENT PIPING THRU ROOF. GENERAL CONTRACTOR TO PATCH ROOF AS REQUIRED REFER TO ARCHITECT FOR MORE DETAILS.
- 2 VENT THRU ROOF EXISTING TO REMAIN.
- EXISTING HVAC UNIT TO BE REMOVED BY MECHANICAL CONTRACTOR. REFER TO MECHANICAL PLANS FOR DETAILS

#### **GENERAL NOTES:**

- PLUMBING CONTRACTOR TO VERIFY LOCATION AND QUANTITY OF VENT THRU ROOF.
- 2. ANY PIPE WITHIN WALLS THAT ARE BEING DEMOLISHED THAT PENETRATE THE FLOOR SLAB MUST BE CUT AND CAPPED A MINIMUM OF 2" BELOW THE FLOOR SURFACE. PATCH FLOOR FLUSH WITH FLOOR SURFACE PER SPECIFICATION SECTION 030130.3.2.





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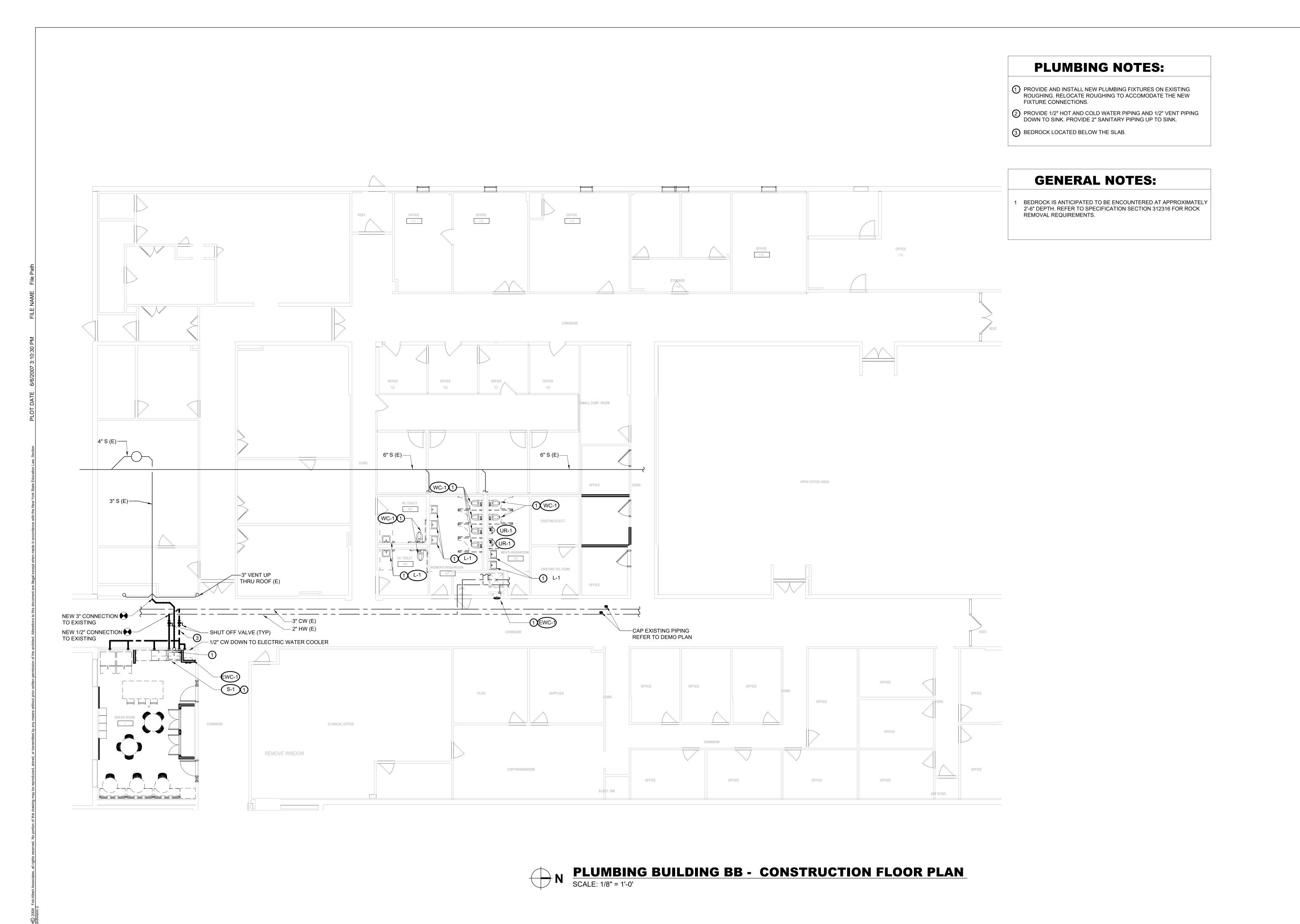
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P103

N BUILDING DD ROOF - DEMOLITION
SCALE: 1/4" = 1'-0'



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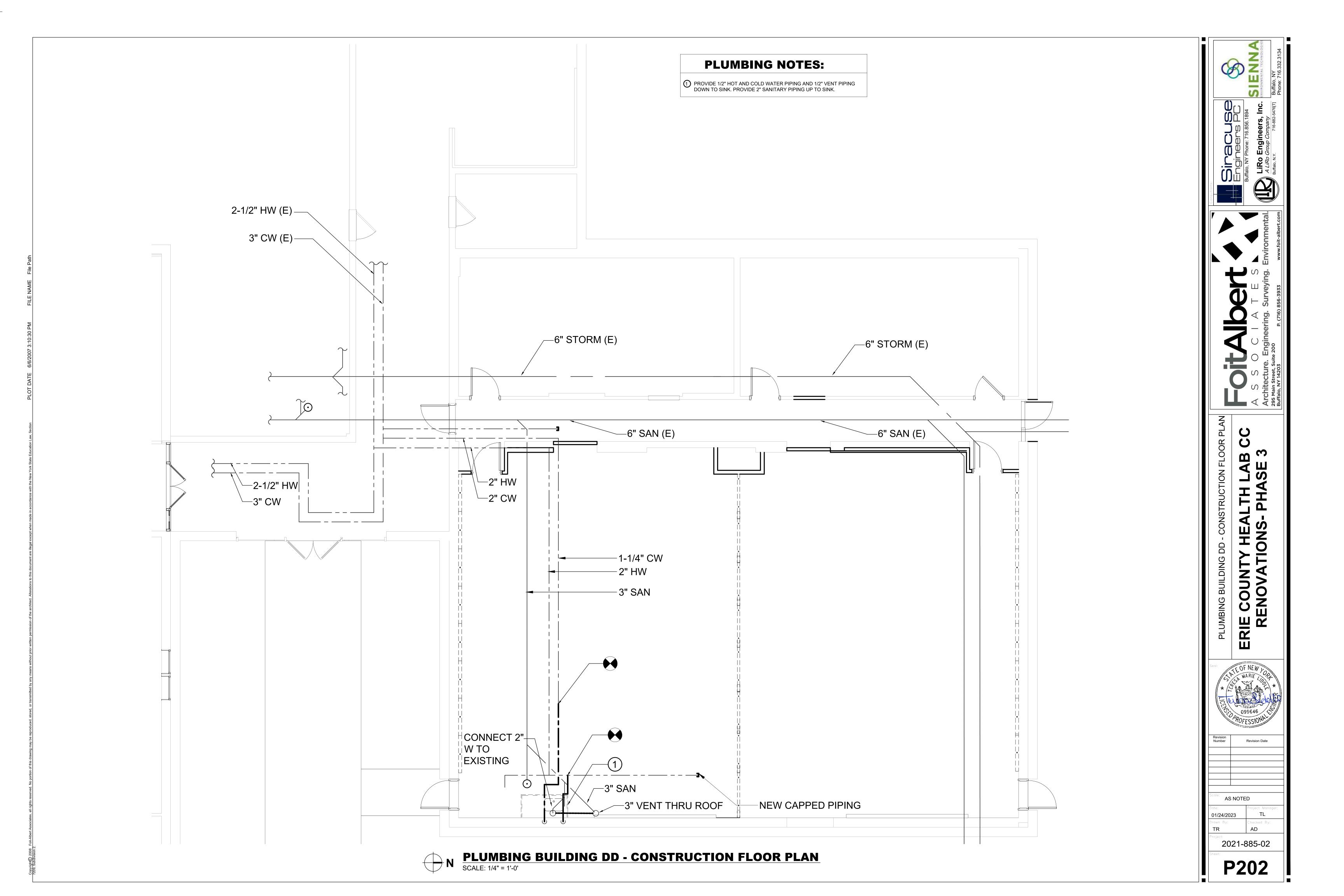
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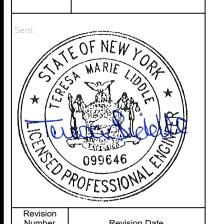


**GENERAL NOTES:** 

 PLUMBING CONTRACTOR IS TO REVISE GAS PIPING TO ACCOMMODATE NEW ROOFTOP GAS-FIRE EQUIPMENT AND SHALL COORDINATE WITH LOCAL Single Surveying. Environmental.

Solution Surveying. Environmenta

ERIE COUNTY HEALTH LAB CC RENOVATIONS- PHASE 3



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2021-885-02 P203

N BUILDING DD ROOF - CONSTRUCTION
SCALE: 1/4" = 1'-0'

#### MECHANICAL GENERAL NOTES

- ALL WORK AND MATERIALS SHALL BE PURCHASED AND INSTALLED IN ACCORDANCE WITH ALL NATIONAL & NEW YORK STATE CODES AND REGULATIONS (AS WELL AS ALL APPLICABLE LOCAL CODES & REGULATIONS).
- 2. DO NOT SCALE FROM THESE DRAWINGS.
- THE EXACT MOUNTING HEIGHTS AND LOCATIONS OF ALL HVAC EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL OTHER MECHANICAL, ELECTRICAL, PLUMBING, FIRE SPRINKLER, ARCHITECTURAL AND STRUCTURAL SYSTEMS. DURING SHOP DRAWINGS SUBMISSIONS, SHOW ALL MOUNTING HEIGHTS OF DUCTWORK, UNITS, ETC.
- VERIFY ALL EQUIPMENT VOLTAGES WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.
- CONTRACTOR WILL PROVIDE DISCONNECT SWITCHES FOR ALL HVAC EQUIPMENT INCLUDING WEATHERPROOF UNITS AS REQUIRED, UNLESS UNITS ARE SPECIFIED WITH FACTORY MOUNTED & INSTALLED DISCONNECT SWITCHES. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR EXACT
- PROVIDE PHASE LOSS PROTECTION FOR ALL POLY-PHASE MOTOR DEVICES.
- DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET STEEL IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE ASHRAE, NFPA, AND SMACNA GUIDE RECOMMENDATIONS. SIZES AS SHOWN INDICATE INSIDE CLEAR DIMENSIONS OF THE AIR PASSAGE. DUCTWORK SHALL BE FULLY INSULATED AS PER APPLICABLE CODES AND WRITTEN SPECIFICATIONS.
- DUCT SIZES MUST BE VERIFIED FOR CLEARANCES AT THE JOB SITE PRIOR TO FABRICATION. DIMENSIONS MAY BE CHANGED TO ACCOMMODATE CONSTRUCTION AS LONG AS EFFECTIVE CROSS-SECTIONAL AREA IS MAINTAINED. DUCT TRANSITIONS SHALL BE CONSTRUCTED WITH A SLOPE OF 1" TO 4". ALL DEVIATIONS FROM ORIGINAL CONTRACT DRAWINGS SHALL BE REVIEWED BY ENGINEER DURING THE SHOP DRAWING PROCESS.
- PROVIDE ELBOWS OR TEES WITH TURNING VANES FOR ALL CHANGES OF DUCT DIRECTION. PROVIDE SPLITTER DAMPERS WITH LOCKING QUADRANTS IN ALL
- ). PROVIDE MANUAL BALANCING DAMPERS AS REQUIRED TO PROPERLY BALANCE EACH INDIVIDUAL AIR DISTRIBUTION SYSTEM. IF THE LOCATION OF THE BALANCING DAMPER IS NOT DEFINED ON THE DRAWINGS, THE FOLLOWING MINIMUMS STANDARDS SHALL GOVERN. ALL SUPPLY, RETURN, AND EXHAUST MAIN BRANCHES FROM TRUNKS, EACH SPLIT AND ALL SUB- BRANCHES FROM MAIN SHALL INCORPORATE BALANCING DAMPERS.
- 11. PROVIDE FLEXIBLE CONNECTORS AT ALL DUCT CONNECTIONS TO VIBRATING EQUIPMENT. THESE CONNECTORS SHALL BE INSTALLED IN CLOSE PROXIMITY TO SUCH EQUIPMENT.
- 12. ALL ACCESS DOORS REQUIRED IN GENERAL CONSTRUCTION ARE TO BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY SIZE, TYPE AND LOCATION OF SUCH DOORS FOR PROPER ACCESS TO ALL CONCEALED HVAC EQUIPMENT, VALVES AND OTHER RELATED EQUIPMENT. THE CONTRACTOR SHALL IDENTIFY THESE REQUIREMENTS ON A COORDINATED SHOP DRAWING PRIOR TO SYSTEM FABRICATION AND INSTALLATION.
- 13. ALL CEILING MOUNTED EQUIPMENT MUST BE SUPPORTED DIRECTLY FROM BUILDING STRUCTURE WITH COMBINATION SPRING AND NEOPRENE-IN-SHEAR HANGERS AND ROD. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED TO ADEQUATELY SUPPORT THE LOAD.
- 14. CONTRACTOR MUST HAVE AN INDEPENDENT NEBB CERTIFIED AIR BALANCING & 📗 TESTING COMPANY TO PERFORM THE AIR BALANCING WORK AND ASSOCIATED SYSTEM AIR BALANCING REPORT. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH ALL APPLICABLE CODES. REGULATIONS. PLANS AND WRITTEN SPECIFICATIONS. SUBMIT THE FINAL AIR BALANCE REPORT TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO SUBSTANTIAL COMPLETION OF THE PROJECT, AS DETERMINED BY THE OWNER/CLIENT. THE AIR BALANCE REPORT MUST INCLUDE ALL SUPPLY, RETURN, & EXHAUST AIR TERMINALS, FRESH AIR (OUTSIDE AIR) INTAKE AND VENTILATION EXHAUST CFM RATES FOR ALL UNITS. `ALSO INCLUDE ACTUAL SUPPLY & RETURN AIR VELOCITY & STATIC PRESSURE READINGS ALONG WITH ALL MOTOR AMPERAGES FOR ALL UNITS.
- 15. ALL ROOFTOP HVAC EQUIPMENT SHALL BE MOUNTED LEVEL AND SUFFICIENTLY AWAY FROM EDGE OF ROOF (MIN. 10'-0"). ALL EXPOSED DUCTWORK PENETRATIONS MUST BE PROPERLY FLASHED TO ALLOW FOR A WEATHER TIGHT SEAL. IN ADDITION, ADEQUATE CLEARANCES SHALL BE PROVIDED FOR CLEANING AND MAINTENANCE REQUIREMENTS. THE FINAL LOCATION OF ALL ROOFTOP UNITS MUST ALSO COMPLY WITH ALL OSHA SAFETY REQUIREMENTS. CONTRACTOR MUST SUBMIT THE FOLLOWING ITEMS TO THE ENGINEER FOR REVIEW AND APPROVAL: (A) DUCTWORK ROOF PENETRATION FLASHING MATERIAL/METHODS, AND (B) EXACT STRUCTURAL FASTENING MATERIALS, METHODS, LOCATIONS TO PROPERLY SECURE THE ROOF-TOP EQUIPMENT TO THE ROOF CURB ADAPTERS AND EXISTING ROOF CURBS.
- 6. CONTRACTOR IS TO PROVIDE & INSTALL 12V SMOKE DETECTORS WITH AUXILIARY CONTACTS. UPON ACTIVATION THE SMOKE DETECTORS SHALL SHUT DOWN THE AIR DISTRIBUTION SYSTEMS AND ACTIVATE A VISIBLE AND AUDIBLE SIGNAL. CONTRACTOR IS RESPONSIBLE FOR WIRING BETWEEN THE FAN SHUTDOWN RELAY AND THE HVAC UNIT. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE INSTALLATION OF THE SMOKE
- 17. THE CONTRACTOR IS TO INCLUDE IN HIS BID ALL LOW VOLTAGE CONTROL WIRING, THERMOSTATS, RELAYS, TRANSFORMERS, STARTERS ETC FOR A COMPLETE OPERATING CONTROL SYSTEM AS DESCRIBED IN THE SEQUENCE OF OPERATIONS. ALL CONTROL WIRING IN THE AREAS THAT DO NOT HAVE DROPPED CEILINGS THE CONTRACTOR MUST PROVIDE ALL CONTROL WIRING CONDUIT. IN AREAS OF DROPPED CEILING PLENUM RATED CONTROL WIRING CAN BE RUN EXPOSED ABOVE CEILING.
- 8. RIGGING OF NEW EQUIPMENT TO BE SCHEDULED/COORDINATED WITH OWNER REP. RIGGING MUST BE PERFORMED DURING "OFF HOURS" TO ELIMINATE PARKING PROBLEMS. CONTRACTOR MUST COORDINATE RIGGING WITH ANY REQUIREMENT MANDATED BY THE LOCAL BUILDING DEPARTMENT AND/OR ANY OTHER AGENCIES INCLUDING SUCH PERMITS, FEES, ETC.
- 19. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS/SPECIFICATIONS.
- 20. FURNITURE AND EQUIPMENT THAT REQUIRES RELOCATION TO ALLOW WORK TO BE PERFORMED SHALL BE MOVED BY THE OWNER. CONTRACTOR IS TO NOTIFY OWNER OF REQUEST 24 HOURS IN ADVANCE.

# MECHANICAL DEMOLITION

#### **NOTES**

1. CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION OF MECHANICAL EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.

2. EXECUTE THE DEMOLITION IN CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO THE PUBLIC, EGRESS OR THE FUNCTIONING OF THE EXISTING BUILDING.

3. DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE.

4. WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE AND BE CAPPED, PLUGGED OR SEALED AND THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN APPROVED MANNER.

5. DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED SAFETY.

6. REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES.

7. PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN, TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK.

8. PROTECTION: PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. TEMPORARY DUSTPROOF BARRIERS AND BARRICADES SHALL BE ERECTED WHERE REQUIRED FOR PROTECTION OF PERSONNEL, PROTECTION FROM DUST AND DIRT, FOR SECURITY, FIRE AND WEATHER PROTECTIVE REASONS.

9. CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNER'S INSURANCE UNDERWRITER.

10. BEFORE STARTING DEMOLITION OPERATIONS, PROVIDE THE NECESSARY PROTECTIVE DEVICES, WHERE REQUIRED, AND IN STRICT ACCORDANCE WITH OSHA RULES AND REGULATIONS.

11. USE TEMPORARY ENCLOSURES, OR OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

12. ALL EXISTING EQUIPMENT REQUIRED TO BE REUSED SHALL BE CLEANED, RECONDITIONED, CALIBRATED AND ADJUSTED. IN ALL INSTANCES WHERE CONTRACTOR FINDS THAT EXISTING EQUIPMENT IS DEFECTIVE TO THE POINT WHERE IT CANNOT BE PROPERLY RESTORED AND WILL NOT OPERATE PROPERLY, HE SHALL REPORT THE SPECIFIC INSTRUMENTS OR EQUIPMENT TO THE ARCHITECT/ENGINEER FOR DIRECTIONS.

13. FIELD VERIFY DEMOLITION REQUIREMENTS AND EXISTING CONDITIONS. DEMOLITION NOTES ARE INDICATED IN NOTE FORM.

14. CONTRACTOR SHALL ESTABLISH A PATH OF TRAVEL AND TIME SCHEDULE FOR THE REMOVAL OF ALL DEBRIS AND WASTE. AND HAVE THIS APPROVED BY OWNER. CONTRACTOR IS TO ENSURE THAT ALL CORRIDORS AND PUBLIC AREAS BE KEPT FREE OF OBSTRUCTIONS, DEBRIS, AND ARE TO BE BROOM SWEPT CLEAN AT ALL TIMES.

15. CONTRACTOR SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE CONDITION OF THE PREMISES AND THE EXTENT AND CHARACTER OF WORK REQUIRED. NO ADDITIONAL COMPENSATION WILL BE APPROVED DUE TO FIELD CONDITIONS.

#### **SCOPE OF WORK:**

- 1. THE REMOVAL OF EXISTING ROOFTOP UNITS AND APPURTENANCES.
- 2. THE INSTALLATION OF NEW ROOFTOP UNITS AND APPURTENANCES. 3. THE REMOVAL OF EXISTING AIR TERMINALS & DUCTWORK IN AREAS

4. THE INSTALLATION OF NEW AIR TERMINALS & DUCTWORK IN AREAS OF CONSTRUCTION.

5. MODIFICATION OF EXISTING DUCTWORK SYSTEMS.

6. NEW DUCTWORK AND DIFFUSERS.

OF DEMOLITION.

7. BMS CONTROLS MODIFICATIONS

NOTE: THIS SCOPE OF WORK DESCRIPTION IS PROVIDED TO GIVE AN OVERALL "MACRO" DESCRIPTION OF THIS PROJECT. CONTRACTOR IS RESPONSIBLE TO REVIEW ALL ENGINEERING AND ARCHITECTURAL DRAWINGS AND VISIT THE SITE IF NEEDED, PRIOR TO SUBMISSION OF BID. REFER TO SPECIFICATIONS FOR FURTHER SCOPE OF WORK. IF

CONFLICTS ARISE, CONTACT DESIGN ENGINEER BEFORE FABRICATION.

ENTIFIER	DESCRIPTION
AHU	AIR HANDLING UNIT
A.P.D.	AIR PRESSURE DROP
BACNET	BUILDING AUTOMATION AND CONTROL NETWORKS
BG	BOTTOM GRILLE
BHP	BRAKE HORSEPOWER
BMS	BUILDING MANAGEMENT SYSTEM
BOT	ВОТТОМ
BR	BOTTOM REGISTER
BTU/HR	BRITISH THERMAL UNITS/HR
CFM	CUBIC FEET PER MINUTE
CP	CONTROL PANEL
DB	DRY BULB
DIA	DIAMETER
DN	DOWN
(D)	DEMOLITION
(E)	EXISTING EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EDB	ENTERING DRY BULB
EDH	ELECTRIC DUCT HEATER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EG	EXHAUST GRILLE
ETR	EXISTING TO REMAIN
ESP	EXTERNAL STATIC PRESSURE
EWB	ENTERING WET BULB
EWT	ENTERING WATER TEMPERATURE
FAI	FRESH AIR INTAKE
FCU	FAN COIL UNIT
FLA	FULL-LOAD-AMPERAGE
FPM	FEET PER MINUTE
G	GAS CONTRACTOR
GC GPM	GENERAL CONTRACTOR GALLONS PER MINUTE
GX	GENERAL EXHAUST
HD	HEAD
HHWR	HEATING HOT WATER RETURN
HHWS	HEATING HOT WATER SUPPLY
HP	HORSEPOWER
IAW	IN ACCORDANCE WITH
LAT	LEAVING AIR TEMPERATURE
MAU	MAKE UP AIR UNIT
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MIN	MINIMUM
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OAL	OUTSIDE AIR INTAKE
OAI OPNG	OUTSIDE AIR INTAKE OPENING
OPNG OP WT	OPERATING WEIGHT
PD	PRESSURE DROP
QTY	QUANTITY
RA	RETURN AIR
RD	RETURN DIFFUSER
RG	RETURN GRILLE
RH	RELATIVE HUMIDITY
RPM	ROTATIONS PER MINUTE
RR	RETURN REGISTER
RTU	ROOFTOP UNIT
SA	SUPPLY AIR
SD	SUPPLY DIFFUSER
SG	SUPPLY GRILLE
TG	TRANSFER GRILLE
TSP	TOTAL STATIC PRESSURE
TO TYP.	TRANSFER OPENING TYPICAL
VFD VIF	VARIABLE FREQUENCY DRIVE VERIFY IN FIELD
WB	WET BULB
W.C.	WATER COLUMN

		6
NOTE NOT AL	I ARRREVIATIONS MAY RE IN DRAWINGS	
	ABBREVIALIUMS MAY BE IN DRAWINGS	

	<u>DESCRIPTION</u>	SINGLE LINE DOUBLE LINE
<b>⊱</b>	PIPE DROP ON DIRECTION OF FLOW	/—SINGLE
<b>├</b>	PIPE RISER	THICKNES TURNING
	PIPE TEE DOWN	VANES VANES
<u>}                                    </u>	PIPE TEE UP	WxH
<b>≥</b> ✓	SHUTOFF VALVE	\\vvxn
<u>}                                    </u>	BALANCING VALVE	
<u> </u>	CAPPED PIPE	
>	NEW DUCTWORK OR PIPING  EXISTING DUCTWORK OR	SUPPLY, RETURN OR EXHAUST SQUARE ELBOW
5++++++	PIPING TO BE REMOVED	
₹	(E) - EXISTING DUCTWORK OR PIPING TO REMAIN	45 4
	DOUBLE-LINE AND SINGLE-LINE	VD V
24X12	RECTANGULAR DUCT, FIRST NUMBER INDICATES SIDE IN VIEW	w <del> </del>
24X12	IN INCHES, SECOND NUMBER	
<del>\</del>	INDICATES SIDE IN DEPTH IN INCHES	
		SUPPLY, RETURN OR EXHAUST DUCT BRANCH
24Ø 9	DOUBLE-LINE AND SINGLE-LINE ROUND DUCT, NUMBER INDICATES	KEY OPERATED
\$ 12Ø	DIAMETER IN INCHES	≥ EXTRACTOR
00000000	ELEVIDI E DUOTMODIA	→ V45 4 → OPPOSED
<b>~~~~~</b>	FLEXIBLE DUCTWORK	♥                   BLADE
	REGULAR SUPPLY AIR DUCT	↓ VOLUME DAMPER
	(UP AND DOWN)	
	REGULAR RETURN AIR DUCT	
	(UP AND DOWN)	SUPPLY REGISTER CONNECTION
	DEOUBLE EVALUATION OF THE TOTAL	
	REGULAR EXHAUST AIR DUCT (UP AND DOWN)	KEY OPERATED
	· · · · · · · · · · · · · · · · · · ·	EXTRACTOR
$\langle \rangle$	ROUND SUPPLY AIR DUCT (UP AND DOWN)	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
	(or AND DOWN)	BLADE
$\bigcirc$	ROUND RETURN AIR DUCT	↓ VOLUME DAMPER
	(UP AND DOWN)	
		SUPPLY DIFFUSER CONNECTION
( > ) $( > )$	ROUND EXHAUST AIR DUCT (UP AND DOWN)	
		1/2 NECK SIZE
→ VD	VOLUME DAMPER	MIN. 6" —►   <del>&lt;</del>
——— BD	BACKDRAFT DAMPER	<u> </u>
/XXX	— EQUIPMENT TAG	
XX	EQUIPMENT NUMBER	KEY OPERATED EXTRACTOR
XXX	— DETAIL TAG/CALL OUT TAG	
X-XXX	MECHANICAL SHEET NUMBER	
Ω	FIELD COMMENTATION	SUPPLY DIFFUSER AT END OF DUCT RUN
$oldsymbol{igothamology}$	FIELD CONNECT NEW TO EXISTING	
•	FIELD DISCONNECT	→ PPOSE
	DIFFERENTIAL PRESSURE	BLADE VOLUME
<u>.</u>	SENSOR	DAMPER
<b>&gt;</b>	SUPPLY AIR FLOW	RETURN REGISTER AT END OF DUCT RUN
<b>→</b>	RETURN AIR	NOTES:
<del>U</del> ►	UNDERCUT DOOR THERMOSTAT	1. DIFFUSERS, REGISTERS, GRILLES AND DUCT SIZES ARE SHOWN ON FLOOR PLANS OR IN SCHEDULES
(T) 	DUCT SMOKE DETECTOR	
TS	TEMPERATURE SENSOR	2. DUCT SIZES ARE GIVEN AS INTERNAL DIMENSIONS. INTERNALLY LINED DUCTS SHALL BE INCREASED IN
	4 WAY CEILING DIFFUSER	SIZE TO MAINTAIN THE SAME INTERNAL SIZE.
<u>⊬=3</u> i		
<b>→</b>	3 WAY CEILING DIFFUSER	
<b>←</b>   <b>⊅</b> • <b>4</b>   <b>→</b>	2 WAY CEILING DIFFUSER	
	O WAY OF HINO DIFFE LOSS	
<b>↑</b> <b>↑</b> <b>►</b>	2 WAY CEILING DIFFUSER	
	EXHAUST GRILLE	
	RETURN GRILLE/REGISTER	
٦ )	FAN - CENTRIFUGAL	
\ /		

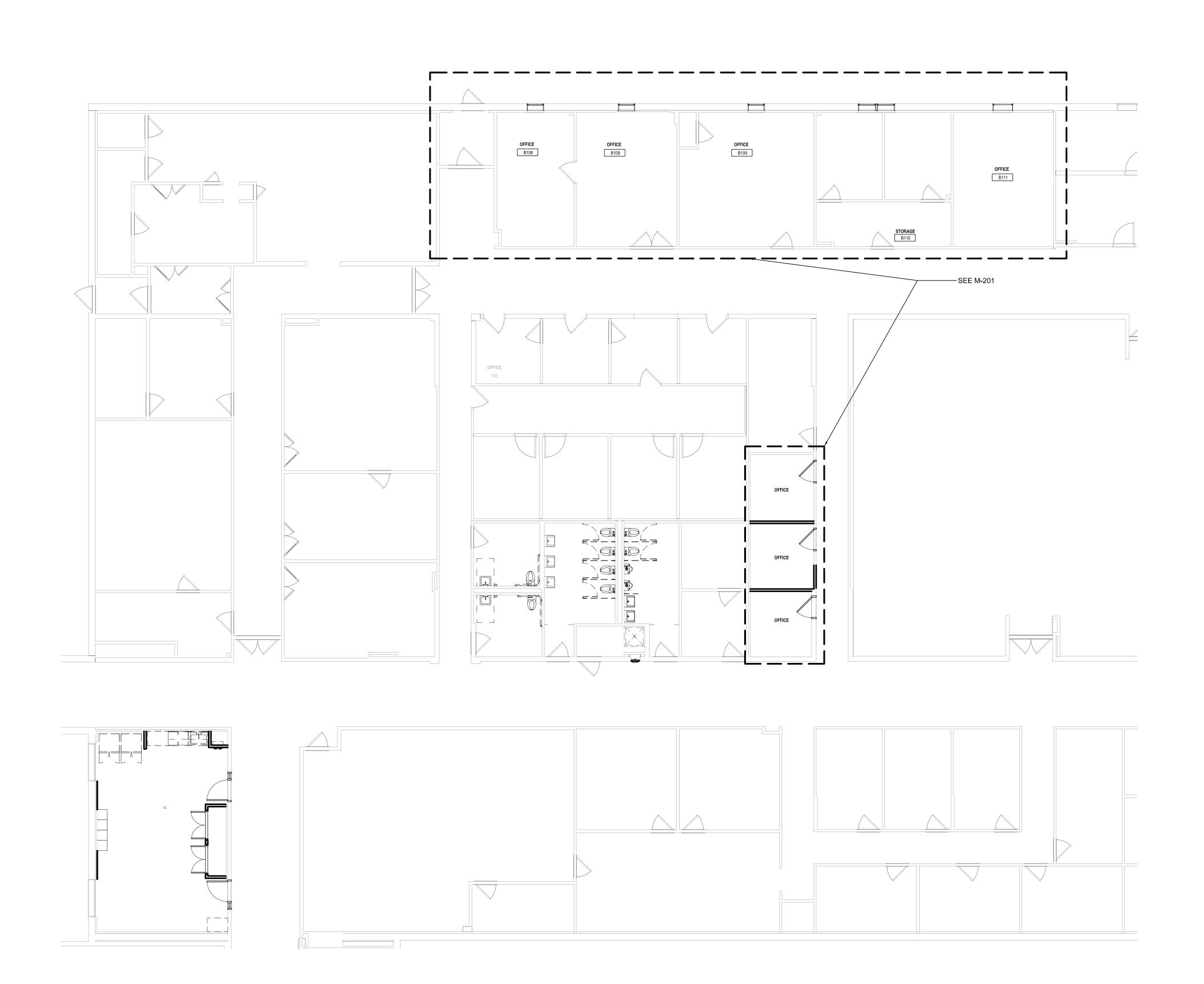
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ERIE COUNTY HEALTH LAB CC

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RENOVATIONS- PHASE 3

Architecture. Engineering. Surveying

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M101

N BUILDING BB - OVERALL
SCALE: 1/8" = 1'-0'

#### **MECHANICAL NOTES:**

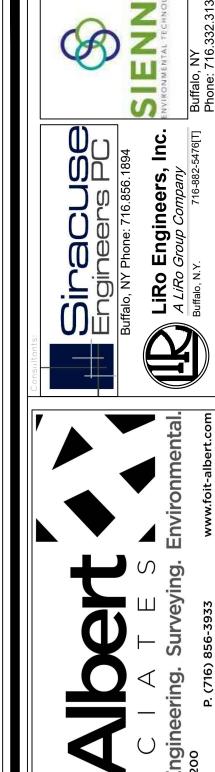
1 EXISTING HEATING COIL TO BE REMOVED

② MECHANICAL CONTRACTOR TO VERIFY NO EXISTING DUCTWORK BEYOND THIS POINT

#### **GENERAL NOTES:**

- ALL MECHANICAL SYSTEMS TO BE REMOVED IN THEIR ENTIRETY. MECHANICAL CONTRACTOR TO VERIFY IN FIELD.

2. FILL AND FIRESTOP ANY PENETRATIONS IN CORRIDOR WALLS CREATED BY REMOVAL OR INSTALLATION OF ANY MECHANICAL EQUIPMENT, PIPING, OR DUCTWORK.



AB E 3 ERIE COUNTY HEALTH RENOVATIONS- PHA

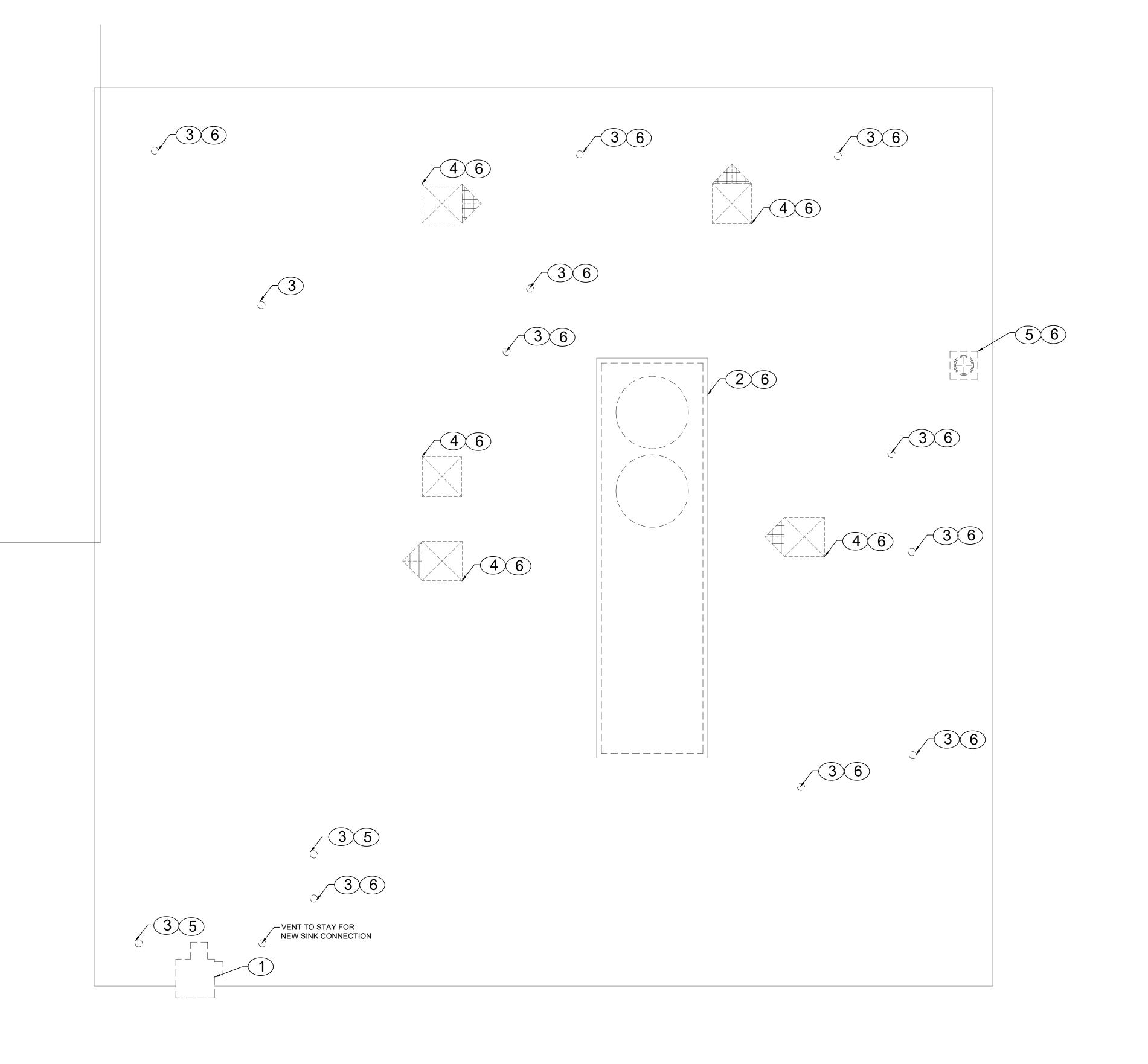


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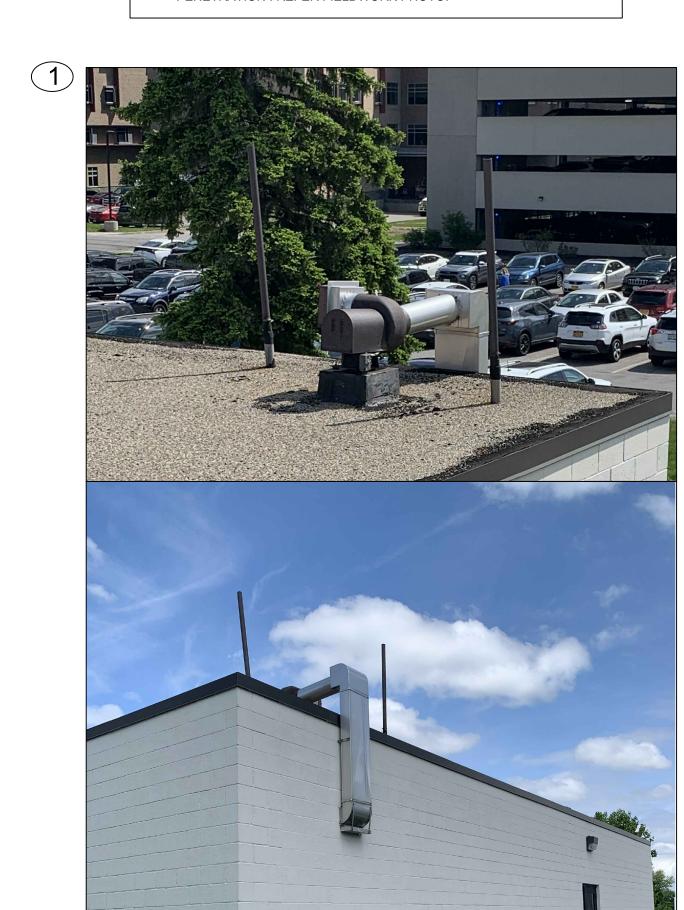
2021-885-02

M102

N BUILDING DD - DEMOLITION
SCALE: 1/4" = 1'-0'



- 1) EXISTING DUCTWORK TO BE REMOVED.
- 2 EXISTING AIR HANDLER TO BE REMOVED. ROOF CURB TO BE REMOVED. GENERAL CONTRACTOR TO PATCH THE ROOF. REFER TO ARCHITECTURAL AND INSTRUCTURAL DRAWINGS FOR DETAILS.
- 3 EXISTING SANITERY SEWER VENT TO BE REMOVED. REFER TO PLUMBING AND INSTRUCTURAL DRAWINGS.
- 4 EXISTING EXHAUST FAN DUCT AND PENETRATION TO BE REMOVED. ROOF CURB TO BE REMOVED. GENERAL CONTRACTOR TO PATCH THE ROOF. REFER TO ARCHITECTURAL AND INSTRUCTURAL
- 5 EXISTING ROOF DRAIN TO BE RETROFIT. REFER TO PLUMBING AND ARCHITECTURAL DRAWINGS FOR DETAILS.
- 6 EXISTING ROOF UNITS, EXHAUST VENT, EXHAUST FAN DUCT PENETRATION . REFER FIELDWORK PHOTO.

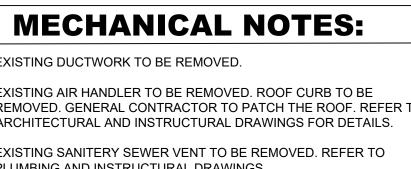






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N BUILDING DD ROOF - DEMOLITION
SCALE: 1/4" = 1'-0'

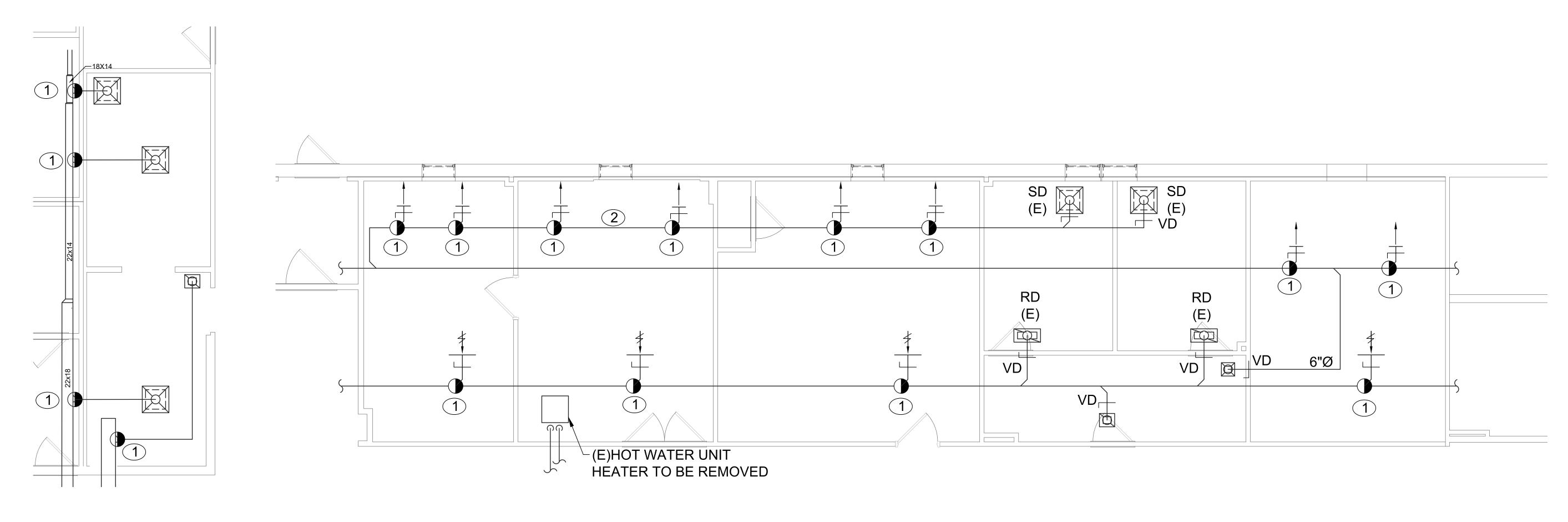






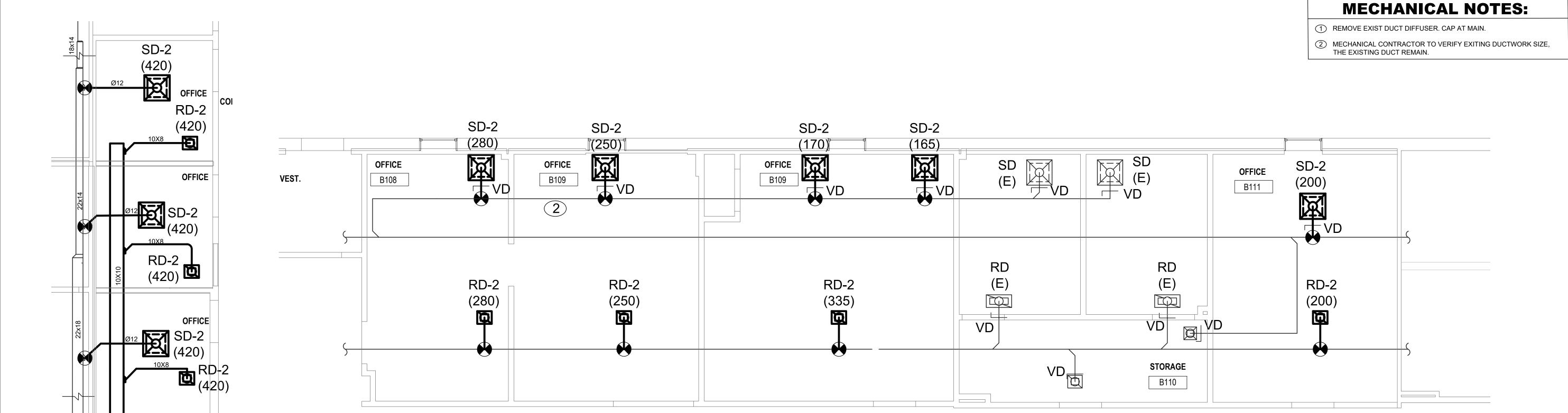


2021-885-02 M103



N BUILDING BB BREAK ROOM - DEMOLITION PLANS
SCALE: 1/4" = 1'-0'

N BUILDING BB OFFICE - DEMOLITION PLANS
SCALE: 1/4" = 1'-0'



CORRIDOR

BUILDING BB BREAK ROOM - CONSTRUCTION PLANS

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

N BUILDING BB OFFICE - CONSTRUCTION PLANS SCALE: 1/4" = 1'-0'

Single Engineering. Surveying. Environmental.

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ERIE COUNTY HEALTH LAB CC RENOVATIONS- PHASE 3

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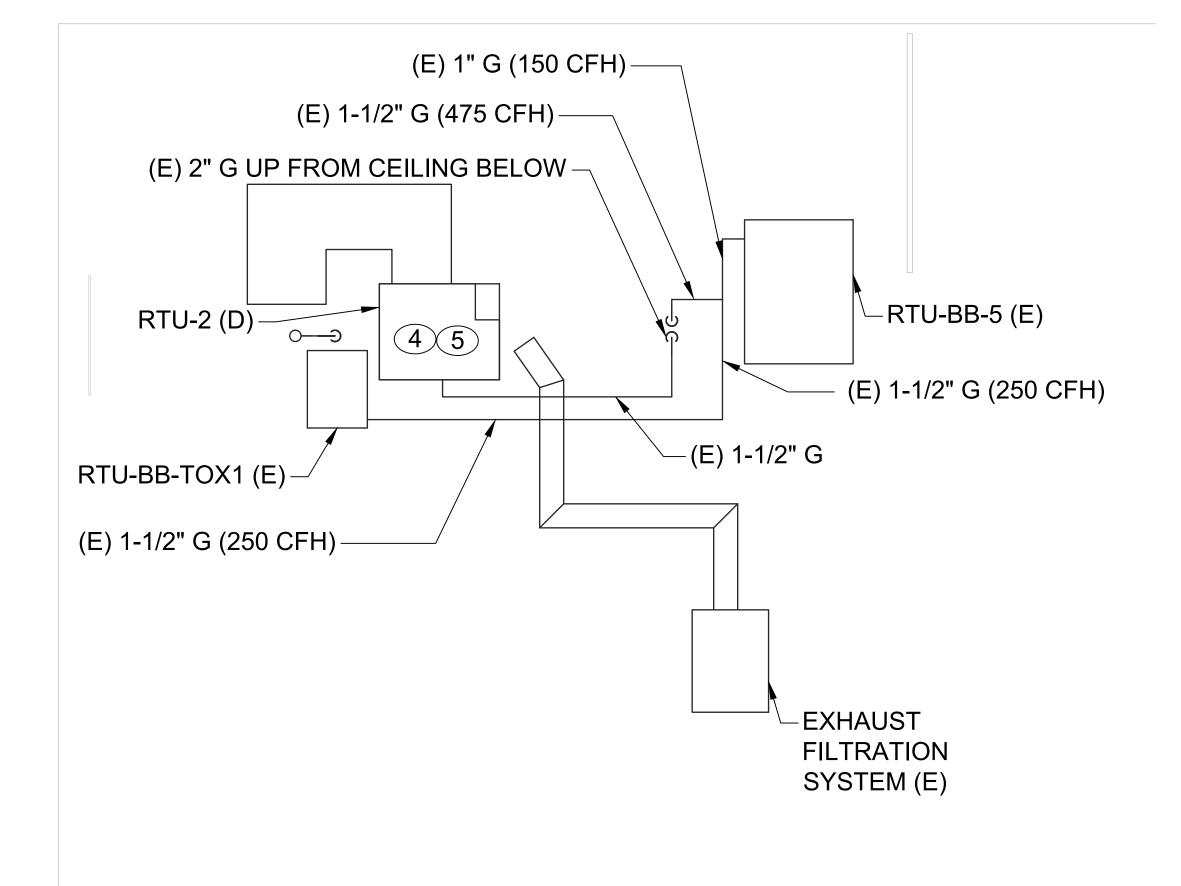
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#### **GENERAL NOTES:**

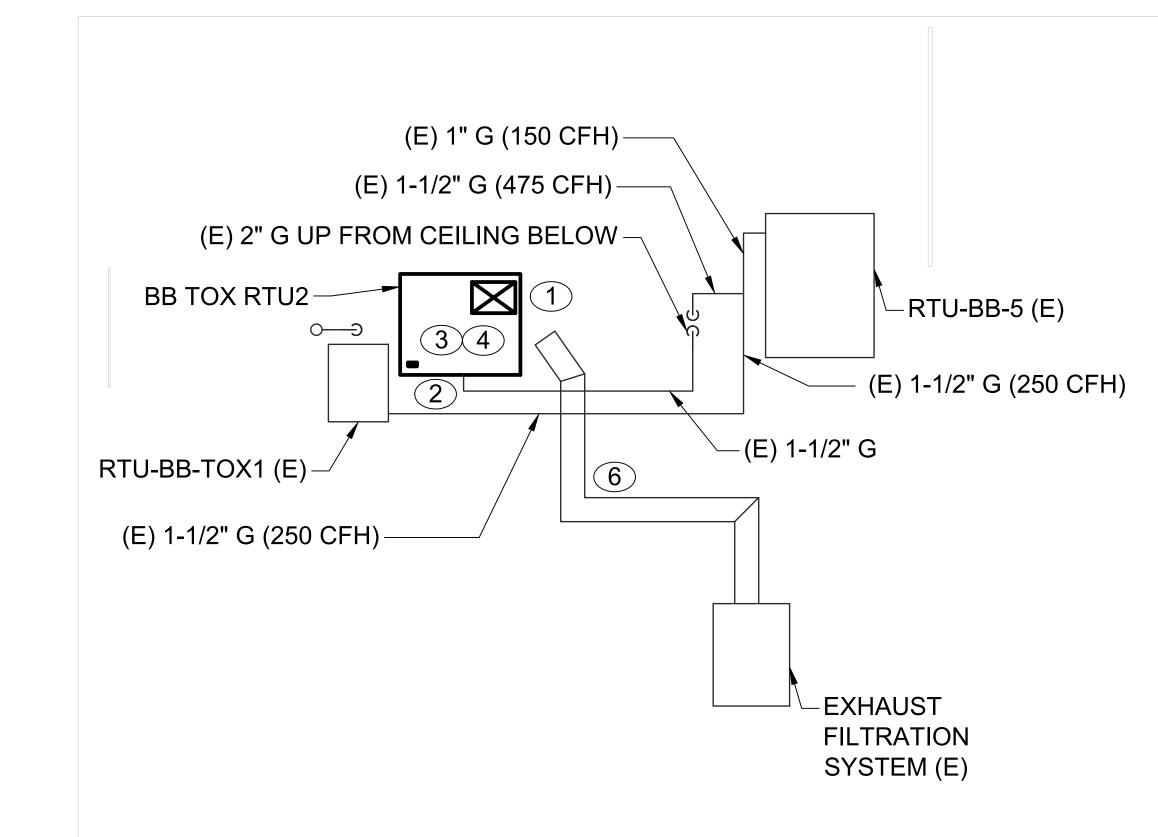
1. EXISTING EQUIPMENT TO REMAIN

## **MECHANICAL NOTES:**

- 1 EXISTING ROOF PENETRATION TO BE RE-USED. PROVIDE ROOF CURB ADAPTOR AS REQUIRED.
- PROVIDE NEW GAS PIPING AS NECESSARY TO CONNECT TO NEW ROOFTOP UNIT.
- ③ NEW RTU AS PER SCHEDULE.
  MODIFY EXISTING PIPING AND DUCT WORK AS REQUIRED.
- 4 MECHANICAL CONTRACTOR MUST SHOW EXTENSIVE EXPERIENCE WORKING WITH A BSL-3 LEVEL ENVIRONMENT OR RELATED
- (5) MECHANICAL CONTRACTOR IS TO REMOVE AND REPLACE EXISTING AAON MODEL RK-16-3 (RTU-2) UNIT. REFER TO THIS SHEET FOR
- 6 MODIFY EXISTING EXHAUST FILTRATION DUCT WORK AS REQUIRED.



N BUILDING BB ROOF - DEMOLITION
SCALE: 1/8" = 1'-0'

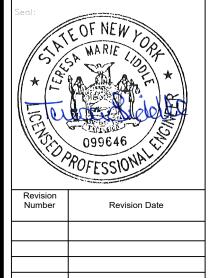






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#### **MECHANICAL NOTES:**

- 1 RETURN MAIN RUN UNDER SUPPLY.
- ② SUPPLY DIFFUSER INSIDE SUPPLY DUCTWORK.
- 3 RETURN DIFFUSER INSIDE RETURN DUCTWORK.

#### **GENERAL NOTES:**

SEE ARCH DRAWINGS FOR DUCT HEIGHTS IN THE D101/D102 ROOMS

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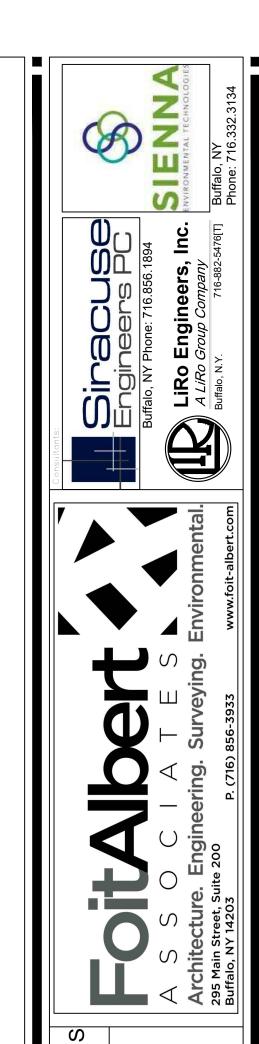
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**M203** 

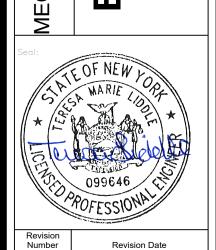
N BUILDING DD - CONSTRUCTION
SCALE: 1/4" = 1'-0'

### **MECHANICAL NOTES:**

1 TO PROVIDE NEW RTU PER SCHEDULE . REFER TO PLUMBING FOR GAS PIPING DETAILS



ERIE COUNTY HEALTH LA RENOVATIONS- PHAS



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**M204** 

N BUILDING DD ROOF - CONSTRUCTION
SCALE: 1/4" = 1'-0'

		COND	ENSER			GAS	HEATING				HOT GAS	REHEAT COIL				ELECTRIC	CAL				WEIGH T (± LBS.) OPTION S & ACCES SORIES
EQUIP. NO.	SERVICE	TYPE	FAN QTY	FLA	EDB (°F)	LDB (°F)	MBH INPUT	МВН ОИТРИТ	TYPE	FACE AREA ((ft²))	AIR PRESUSRE DROP (inH2O)	TOTAL CAPACITY MBH	LDB	LWB	VPHCY.	FLA	MCA	МОСР	MANUFACTURER	MODEL	
DD RTU1	CONFERENCE ROOMS	ALUMINUM MICROCHANNEL	2	1.8	54.4	95.4	200.0	160.0	NONE	-	_	-	-	_	460-3-60	22.6	24.3	30	DAIKIN	DPS007A	2257 1
DD RTU2	MEETING ROOMS	ALUMINUM MICROCHANNEL	1	0.4	54.4	83.2	80.08	64.0	NONE	_	-	-	-	-	460-3-60	14.1	15.3	20	DAIKIN	DPS004A	1437 1
BB TOX RTU2	TOX LAB	ALUMINUM MICROCHANNEL	1	5.2	-5.0	95.0	600.0	480.0	ALUMINUM TUBE MICRO- CHANNEL	21.6	0.02	54.2	70.0	61.3	460-3-60	34.7	40.4	60	DAIKIN	DPS018A	3789 1
BB TOX RTU2	TOXLAB		1	5.2	-5.0	95.0	600.0	480.0		21.6	0.02	54.2	70.0	61.3	460-3-60	34.7	40.4	60	DAIKIN	DPS	S018A

		DIFF	USE	R SC	HED	ULE				
SERVICE	QTY.	СЕМ	NECK SIZE (IN.)	FACE SIZE (IN.)	THROW @ 100 FPM	MAX PD (wg)	MAX NC	MANUFAC TURER	MODEL	NOTES
DD BUILDING CONFERENCE ROOM	16	250	ĵ	6X12	16-24-33	0.07	< 30	PRICE	HCD1	1
BB BUILDING OFFICES, DD BUILDING MEETING ROOM	11	100-420	8	24x24	2-2-5	0.02	< 30	PRICE	SCD	3
DD BUILDING CONFERENCE ROOM	12	250	-	6X12	16-24-33	0.07	< 30	PRICE	HCD2	2
BB BUILDING OFFICES, DD BUILDING MEETING ROOM	7	200-420	8	24x24	2-2-5	0.02	< 30	PRICE	SCD	3
	DD BUILDING CONFERENCE ROOM BB BUILDING OFFICES, DD BUILDING MEETING ROOM DD BUILDING CONFERENCE ROOM BB BUILDING OFFICES, DD BUILDING MEETING	SERVICE QTY.  DD BUILDING CONFERENCE ROOM  BB BUILDING OFFICES, DD BUILDING MEETING ROOM  DD BUILDING CONFERENCE ROOM  BB BUILDING OFFICES, DD BUILDING MEETING 7	SERVICE QTY. CFM  DD BUILDING CONFERENCE ROOM  BB BUILDING OFFICES, DD BUILDING MEETING ROOM  DD BUILDING CONFERENCE ROOM  BB BUILDING OFFICES, DD BUILDING OFFICES, DD BUILDING MEETING 7 200-420	SERVICE QTY. CFM NECK SIZE (IN.)  DD BUILDING CONFERENCE ROOM  BB BUILDING OFFICES, DD BUILDING MEETING ROOM  DD BUILDING CONFERENCE ROOM  BB BUILDING OFFICES, DD BUILDING OFFICES, DD BUILDING MEETING 7 200-420 8	SERVICE         QTY.         CFM         NECK SIZE (IN.)         FACE SIZE (IN.)           DD BUILDING CONFERENCE ROOM         16         250         —         6X12           BB BUILDING OFFICES, DD BUILDING ROOM         11         100-420         8         24x24           DD BUILDING CONFERENCE ROOM         12         250         —         6X12           BB BUILDING OFFICES, DD BUILDING MEETING         7         200-420         8         24x24	SERVICE         QTY.         CFM         NECK SIZE (IN.)         FACE SIZE (IN.)         THROW @ 100 FPM           DD BUILDING CONFERENCE ROOM         16         250         —         6X12         16-24-33           BB BUILDING OFFICES, DD BUILDING MEETING ROOM         11         100-420         8         24x24         2-2-5           DD BUILDING CONFERENCE ROOM         12         250         —         6X12         16-24-33           BB BUILDING OFFICES, DD BUILDING MEETING         7         200-420         8         24x24         2-2-5	DD BUILDING   CFM   (IN.)   (IN.)   100 FPM   (wg)	SERVICE         QTY.         CFM         NECK SIZE (IN.)         FACE SIZE (IN.)         THROW @ (10.)         MAX PD (wg)         MAX NC           DD BUILDING CONFERENCE ROOM         16         250         —         6X12         16-24-33         0.07         < 30	SERVICE         QTY.         CFM         NECK SIZE (IN.)         FACE SIZE (IN.)         THROW @ (wg)         MAX PD (wg)         MAX NC         MANUFAC TURER           DD BUILDING CONFERENCE ROOM         16         250         —         6X12         16-24-33         0.07         < 30	SERVICE         QTY.         CFM         NECK SIZE (IN.)         FACE SIZE (IN.)         THROW @ 100 FPM         MAX PD (wg)         MAX NC         MAX NC TURER         MODEL           DD BUILDING CONFERENCE ROOM         16         250         —         6X12         16-24-33         0.07         < 30

HIGH CAPACITY ALUMINUM DRUM SINGLE BLADE
 HIGH CAPACITY ALUMINUM DRUM SPLIT BLADE
 ALUMINUM SQUARE PLAQUE DIFFUSER

FOIL SINGE STATE S A C I A T E S A S C C I A T E S A STORMENTAL TECHNOR A LIRO Group Company Buffalo, NY 14203 P. (716) 856-3933 www.foit-albert.com

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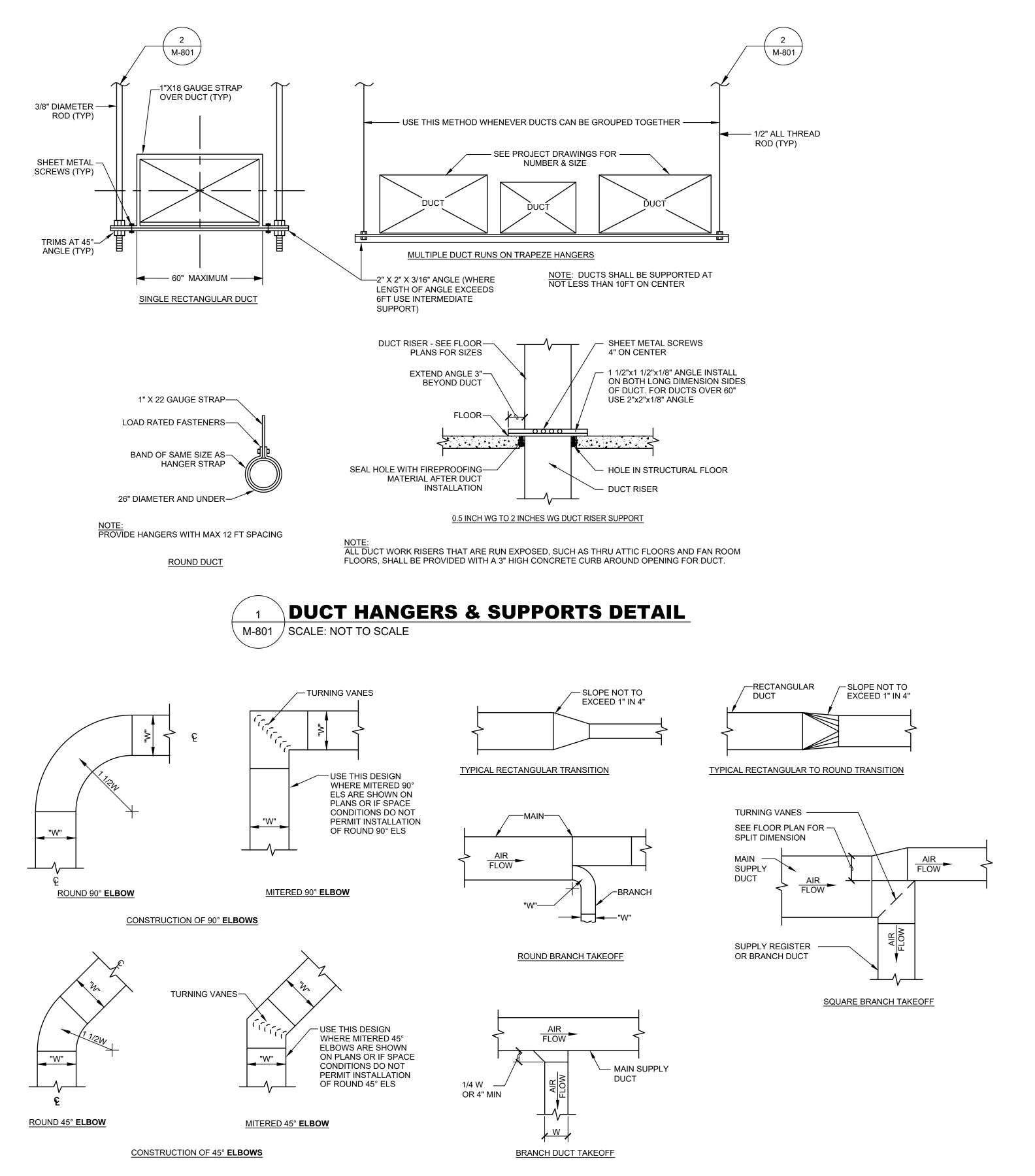
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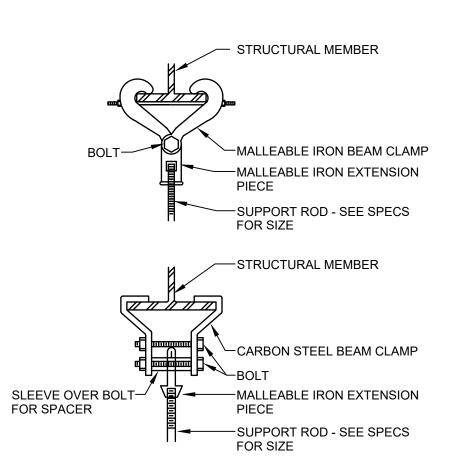
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CONSTRUCTION OF TAKEOFFS

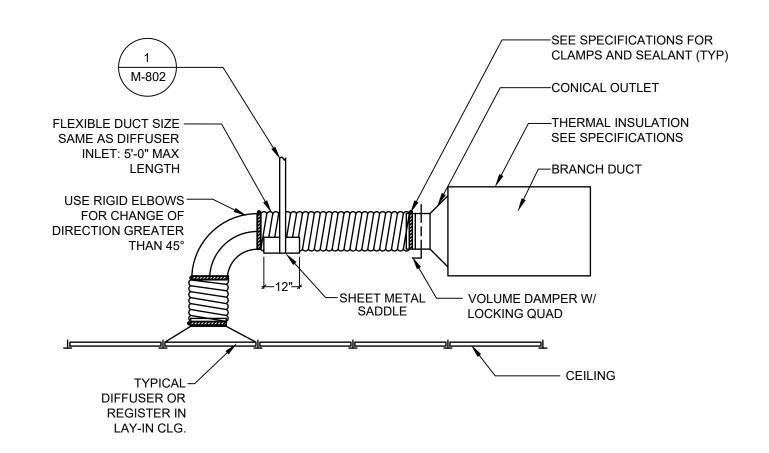


LOW VELOCITY DUCT LAYOUT DETAIL

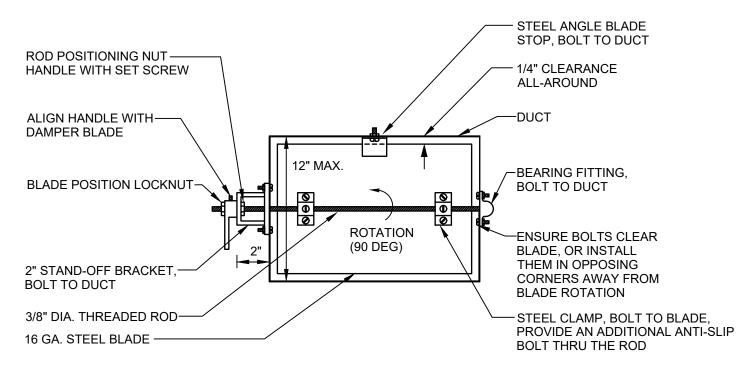


# 2 ANCHOR & SUPPORT DETAILS M-801 SCALE: NOT TO SCALE

BEAM CLAMPS



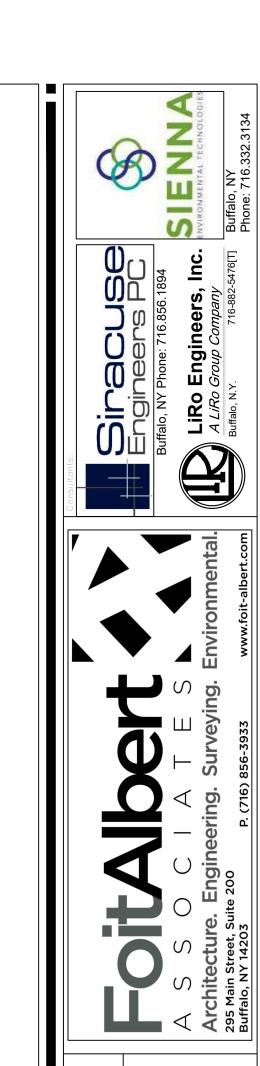
# 3 FLEXIBLE BRANCH DUCTWORK M-801 SCALE: NOT TO SCALE



NOTES

- 1. DAMPERS FOR ROUND DUCTS SHALL BE SIMILAR TO THE DAMPER SHOWN ABOVE. 2. ENSURE THAT FULL 90 DAMPER BLADE MOVEMENT IS UNOBSTRUCTED.
- 3. FOR DUCT HEIGHTS MORE THAN 12", PROVIDE FACTORY-FABRICATED OPPOSED BLADE DAMPERS.





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#### **SEQUENCE OF OPERATIONS**

#### **GENERAL**

- 1. CONTRACTOR SHALL PROGRAM THE BUILDING MANAGEMENT SYSTEM (BMS) CONTROL SYSTEM FOR EACH NEW PACKAGED ROOFTOP UNIT (RTU)
- AND THEIR RESPECTIVE VARIABLE AIR VOLUME (VAV) BOXES. 2. REFER TO CONTROLS SPECIFICATION FOR FURTHER DETAIL.

#### OUTDOOR AIR TEMPERATURE SENSOR

THE OUTDOOR AIR TEMPERATURE SENSOR SHALL BE LOCATED OUTDOORS IN AN ACCESSIBLE LOCATION FOR MAINTENANCE PURPOSES. THE TEMPERATURE SENSOR SHALL MONITOR THE OUTDOOR AIR TEMPERATURE AND COMMUNICATE WITH THE BMS.

- 1. WHEN THE TEMPERATURE SENSOR DETECTS 55°F (ADJ.) OR BELOW, THE BMS SHALL DICTATE THE HVAC SYSTEM OPERATE IN HEATING MODE.
- 2. WHEN THE TEMPERATURE SENSOR DETECTS 75°F (ADJ.) OR ABOVE, THE BMS SHALL DICTATE THE HVAC SYSTEM OPERATE IN COOLING MODE.

#### SPACE TEMPERATURE CONTROL

EACH SPACE SHALL BE SERVED BY THE RTU AS INDICATED ON THE DESIGN DRAWINGS INCLUDED HEREIN.

OCCUPIED OPERATION TO MAINTAIN A SPACE TEMPERATURE SETPOINT OF 75°F (ADJ.) IN COOLING MODE AND 70°F (ADJ.) IN HEATING MODE. VAV BOXES SHALL MODULATE FROM MAXIMUM TO MINIMUM POSITIONS TO MAINTAIN SPACE TEMPERATURE SETPOINTS WITHIN A 5 DEGREE DEADBAND.

UNOCCUPIED OPERATION TO MAINTAIN A SPACE TEMPERATURE SETPOINT OF 85°F (ADJ.) IN COOLING MODE AND 70°F (ADJ.) IN HEATING MODE. VAV BOXES SHALL MODULATE FROM MAXIMUM TO MINIMUM POSITIONS TO MAINTAIN SPACE TEMPERATURE SETPOINTS WITHIN A 5 DEGREE DEADBAND.

#### PACKAGED ROOFTOP UNIT (DD RTU-1, DD RTU-2)

#### 1. FAN

- A. THE FAN SHALL BE VARIABLE SPEED SET TO THE DESIGNED AIRFLOW
- B. FAN TO VARY SPEED BASED ON DUCT STATIC PRESSURE SENSOR. CONTROLS SHALL MEASURE DUCT STATIC PRESSURE AND MODULATE THE FAN VFD TO MAINTAIN DUCT STATIC PRESSURE DETERMINED AT COMMISSIONING.
- C. FAN SHALL RUN WHEN THE UNIT IS OPERATING IN OCCUPIED MODE, UNLESS SHUTDOWN ON SAFETIES. THE FAN SHALL CYCLE IN UNOCCUPIED MODE. TO PREVENT SHORT CYCLING, THE FAN SHALL RUN FOR A MINIMUM OF 5 MINUTES (ADJ.) AND BE OFF FOR A MINIMUM OF 5 MINUTES (ADJ.).

#### DAMPERS

A. AN OUTDOOR AIR DAMPER IS INSTALLED UPSTREAM OF THE FAN AT THE OUTDOOR AIR INTAKE HOOD. A RETURN AIR DAMPER IS INSTALLED IN THE RETURN DUCT MAIN CONNECTION TO THE RTU. OUTDOOR AIR AND RETURN AIR DAMPERS SHALL MODULATE AS INDICATED BELOW BASED UPON SCHEDULED OPERATION.

#### EXECUTION

#### A. START - UP

- a. THE RTUS ARE TO START AS SCHEDULED FROM THE BMS TO REFLECT TYPICAL WORKING HOURS (ADJ.). THE RTU SHALL OPERATE IN OCCUPIED OR UNOCCUPIED MODE AS DETERMINED BY TIME OF DAY SCHEDULING.
- b. OPTIMAL START: THE UNIT SHALL USE AN OPTIMAL START ALGORITHM FOR MORNING START-UP. THIS ALGORITHM SHALL MINIMIZE THE UNOCCUPIED WARM-UP OR COOL-DOWN PERIOD WHILE STILL ACHIEVING COMFORT CONDITIONS BY THE START OF SCHEDULED OCCUPIED PERIOD.

#### B. IN OPERATION - OCCUPIED COOLING MODE

- a. RTU TO REMAIN ENERGIZED DURING OCCUPIED OPERATION. b. RTU AIR BALANCING:
- THE OUTDOOR AIR DAMPER SHALL OPEN TO PROVIDE SCHEDULED AIRFLOW.
- IF OUTDOOR AIR CONDITIONS PERMIT AS DETERMINED BY ONBOARD ECONOMIZER CONTROLS, THE RTU SHALL OPERATE IN ECONOMIZER MODE. BAROMETRIC RELIEF SHALL MAINTAIN AIR BALANCING. POWER EXHAUST SHALL MAINTAIN AIR BALANCING FOR RTU-1 & RTU-2.
- c. RTU DISCHARGE AIR TEMPERATURE: THE RTU SHALL USE ZONE VOTING LOGIC TO DETERMINE THE
- MODE OF OPERATION (HEATING OR COOLING). • IF THE OPERATIONAL SPACE TEMPERATURE RISES +2°F OR MORE ABOVE THE VAV COOLING DISCHARGE AIR TEMPERATURE RESET SETPOINT. THE DISCHARGE AIR TEMP LOWER SETPOINT IS USED FOR THE OPERATIONAL VAV
- IF THE OPERATIONAL SPACE TEMPERATURE FALLS BELOW THE DISCHARGE AIR TEMPERATURE RESET SETPOINT, THE DISCHARGE AIR TEMPERATURE UPPER SETPOINT IS USED
- FOR THE OPERATIONAL VAV COOLING SETPOINT. • IF THE TEMPERATURE/HUMIDITY CONTROL ENABLE IS TURNED ON, THE CONTROL LOWERS THE CURRENT OPERATIONAL VAV COOLING SETPIOINT IN 1°F INCREMENTS WHEN THE RETURN HUMIDITY INCREASES ABOVE THE
- TEMPERATURE/HUMIDITY SETPOINT. IF THE DISCHARGE TEMP IS ABOVE THE SETPOINT BY MORE THAN 1.8°F, THE STAGED PERCENT COMMAND FOR COOLING INCREASES AND STAGES COMPRESSORS ON BASED ON STAGING SWITCH POINTS.
- IF THE DISCHARGE TEMP IS BELOW THE SETPOINT BY MORE THAN 1.8°F, THE STAGED PERCENT COMMAND FOR COOLING DECREASES AND STAGES COMPRESSORS OFF BASED ON STAGING SWITCH POINTS. BMS TO MONITOR OPERATION.

#### C. IN OPERATION - OCCUPIED HEATING MODE

- a. IF THE OPERATIONAL SPACE TEMPERATURE DROPS LOWER THAN THE VAV OCCUPIED HEATING SETPOINT, ALL COOLING STAGES DE-ENERGIZE AFTER ALL COMPRESSOR MINIMUM RUNTIMES HAVE EXPIRED AND AFTER THE 2 MINUTE COOL TO HEAT CHANGEOVER DELAY HAS EXPIRED, THEN ALL HEAT STAGES ENERGIZE WITH 30 SECONDS OF DELAY BETWEEN STAGES.
- b. HEAT REMAINS ENERGIZED UNTIL THE OPERATIONAL SPACE TEMP REACHES THE VAV OCCUPIED HEATING SETPIOINT +1°F.

#### D. IN OPERATION - UNOCCUPIED COOLING MODE

- a. RTU TO ENERGIZE AND DE-ENERGIZE TO MAINTAIN SPACE SETPOINTS DURING UNOCCUPIED OPERATION.
- b. RTU AIR BALANCING: • THE OUTDOOR AIR DAMPER SHALL REMAIN CLOSED.
- c. RTU DISCHARGE AIR TEMPERATURE:
- THE RTU SHALL USE ZONE VOTING LOGIC TO DETERMINE THE MODE OF OPERATION (HEATING OR COOLING). IF THE OPERATIONAL SPACE TEMP RISES HIGHER THAN THE VAV UNOCCUPIED COOLING SETPOINT, ALL COMPRESSOR STAGES ENERGIZE WITH A 15-MINUTE DELAY BETWEEN
- COMPRESSORS REMAIN ENERGIZED UNTIL THE OPERATIONAL SPACE TEMP REACHES THE VAV UNOCCUPIED COOLING SETPOINT -3°F.
- BMS TO MONITOR OPERATION.

#### E. IN OPERATION - UNOCCUPIED HEATING MODE

- a. THE CONTROL MUST BE IN UNOCCUPIED MODE AND NOT IN
- MORNING WARM-UP MODE. b. IF THE OPERATIONAL SPACE TEMP DROPS LOWER THAN THE VAV HEATING UNOCCUPIED SETPOINT, ALL HEAT STAGES ENERGIZE
- WITH 10 SECONDS OF DELAY BETWEEN STAGES. c. HEAT REMAINS ENERGIZED UNTIL THE OPERATIONAL SPACE TEMP REACHES THE VAV HEATING UNOCCUPIED SETPIOINT +3°F.

#### F. DUCT PRESSURE CONTROL

- a. WHEN THE FAN IS ENERGIZED, THE 2 TO 10 VDC OUTPUT FROM VFD TERMINAL IS USED TO MAINTAIN THE SUPPLY DUCT
- PRESSURE TO THE DUCT PRESSURE SETPOINT. b. IF THE DUCT PRESSURE IS ABOVE SETPOINT, THE VFD OUTPUT
- DECREASES. c. IF THE DUCT PRESSURE IS BELOW SETPOINT, THE VFD OUTPUT INCREASES.
- d. THE RATE OF CHANGE OF THE VFD OUTPUT IS DETERMINED BY THE DEVIATION FROM SETPOINT AND LENGTH OF TIME AWAY FROM THE SETPOINT. e. IF THE DUCT PRESSURE REACHES THE DUCT PRESUSRE
- SHUTDOWN SETPOINT, THE FAN AND ALL OTHER OUTPUTS OF THE UNIT DE-ENERGIZE.

#### G. ECONOMIZER

- a. MINIMUM POSITION
- WHEN THE CONTROL IS IN THE UNOCCUPIED MODE, THERE IS
- NO MINIMUM POSITION. WHEN THE CONTROL IS IN THE OCCUPIED MODE AND THE FAN OUTPUT IS ENERGIZED AND THE VFD OUTPUT REACHES THE HIGH-FAN SPEED SETTING, THE ECONOMIZER DAMPER
- POSITION IS THE ECONOMIZER MINIMUM POSITION SETPOINT WHEN THE VFD OUTPUT REACHES TO FAN LOW-SPEED SETTING, THE ECONOMIZER DAMPER POSITION IS THE
- ECONOMIZER DAMPER MINIMUM POSITION LOW SPEED FAN. WHEN THE VFD OUTPUT IS BETWEEN THE FAN HIGH SPEED AND FAN LOW SPEED SETTINGS, THE ECONOMIZER DAMPER IS POSITION PROPORTIONALLY BETWEEN THE ECONOMIZER MINIMUM POSITION SETPOINT AND THE ECONOMIZER DAMPER MINIMUM POSITION LOW SPEED FAN.
- b. DRY BULB CHANGEOVER THE OUTSIDE AIR IS SUITABLE FOR FREE COOLING IF THE OPERATIONAL OUTDOOR AIR TEMPERATURE IS 1°F BELOW THE ECONOMIZER OAT ENABLE SETPOINT AND 1°F BELOW
- THE RETURN AIR TEMPERATURE. FREE COOLING IS NO LONGER AVAILABLE IF THE OPERATIONAL OUTDOOR AIR TEMPERATURE RISES ABOVE EITHER THE ECONOMIZER OAT ENABLE SETPOINT OR THE RETURN AIR TEMPERATURE.

#### H. POWER EXHAUST

- a. IF THE BUILDING PRESSURE IS ABOVE THE BUILDING PRESSURE
- SETPOINT, THE EXHAUST OUTPUT (EX VFD) INCREASES. b. IF THE BUILDING PRESSURE IS BELOW THE BUILDING PRESSURE
- SETPOINT, THE EXHAUST OUTPUT (EX VFD) DECREASES. c. THE EX-FAN BINARY OUTPUT IS ENERGIZED ANY TIME, THE EX VFD ANALOG OUTPUT IS GREATER THAN 2.16 VDC.
- d. THE EX-FAN BINARY OUTPUT IS DE-ENERGIZED ANY TIME, THE EX VFD ANALOG OUTPUT IS LESS THAN OR EQUAL TO 2.16 VDC. e. THE RATE OF HANGE OF THE ANALOG OUTPUT IS DETERMINED BY THE DEVIATION FORM SETPOINT AND LENGTH OF TIME AWAY FROM SETPOINT.

#### I. FILTER STATUS

a. THE BMS SHALL MONITOR THE STATUS OF THE PRESSURE DROP ACROSS THE FILTER. IF AN ELEVATED PRESSURE DROP ABOVE 0.2" W.G. (FIELD ADJUSTABLE) IS SENSED, AN ALARM SHALL BE GENERATED.

#### J. SHUT DOWN

- a. THE RTU WILL BE SHUT DOWN MANUALLY, AS SCHEDULED THROUGH THE BMS, OR DUE TO ONE OF SAFETY SHUTDOWNS BELOW. UNTIL THE FAN IS STOPPED, THE OUTDOOR AIR INTAKE (AS DETERMINED BY OPERATING MODE) AIR DAMPER SHALL BE
- OPEN. ONCE THE FAN HAS STOPPED THE DAMPER SHALL CLOSE. b. ANY TIME THE CONTACT OPENS, ALL POWER IS REMOVED TO THE OUTPUT RELAY COILS.
- c. THIS IMMEDIATELY DE-ENERGIZES ALL RELAY OUTPUTS. d. THE CONTROL GENERATES AN ALARM AND DISPLAYS IT ON THE
- e. ANY ADDITIONAL UNIT INTERRUPT DEVICES, SUCH AS FLOAT SWITCHES OR EXTERNAL SHUTDOWN RELAYS, MUST BE WIRED IN SERIES WITH THIS CONTACT TO DISABLE THE UNIT.
- GENERAL FIRE ALARM: UNIT SHALL SHUT DOWN UPON RECEIVING A GENERAL ALARM FROM THE FIRE ALARM
- RETURN AIR SMOKE DETECTION: UNIT SHALL SHUT DOWN UPON RECEIVING A RETURN AIR SMOKE DETECTOR STATUS.

#### 4. BURNER CONTROLS

- A. THE CONTROLLER SHALL MEASURE THE MIXED AIR TEMPERATURE AND MODULATE THE GAS BURNER TO MAINTAIN THE DISCHARGE AIR SETPOINT PROVIDED BY THE BMS.
- B. THE GAS BURNER SHALL BE ENABLED WHEN THE RTU IS OPERATING IN HEATING MODE, THE ECONOMIZER IS DISABLE, AND THE FAN STATUS IS ON.
- C. IF THE SUPPLY AIR TEMPERATURE IS 5°F (ADJ.) LOWER THAN SETPOINT FOR AT LEAST 10 MINUTES (ADJ.), AN ALARM SHALL BE

#### REFRIGERANT CONDENSER CONTROLS

- A. THE CONTROLLER SHALL MEASURE THE DISCHARGE AIR TEMPERATURE AND MODULATE THE COMPRESSOR TO MAINTAIN
- B. THE CONDENSER SHALL BE ENABLED WHEN THE RTU IS OPERATING IN COOLING MODE, THE ECONOMIZER IS DISABLED OR FULLY OPEN, THE FAN STATUS IS ON, AND THE HEATING IS NOT ACTIVE.
- C. IF THE SUPPLY AIR TEMPERATURE IS 5°F (ADJ.) GREATER THAN SETPOINT FOR AT LEAST 10 MINUTES (ADJ.), AN ALARM SHALL BE

#### 6. ALARMS

A. IF THE SPACE TEMPERATURE IS GREATER THAN OPERATING COOLING SETPOINT 10°F (ADJ.) FOR MORE THAN 60 MINUTES, THE BMS SHALL INITIATE A SPACE TEMPERATURE COOLING ALARM SIGNAL AT THE OPERATOR'S WORKSTATION. B. IF THE SPACE TEMPERATURE IS LESS THAN OPERATING HEATING

SETPOINT 10 °F (ADJ.) FOR MORE THAN 60 MINUTES, THE BMS SHALL

INITIATE A SPACE TEMPERATURE HEATING ALARM SIGNAL AT THE OPERATOR'S WORKSTATION C. IF THE EFFECTIVE ZONE SOURCE EQUALS TO RETURN AIR TEMP AND NOT THERMOSTAT ONLY, THEN USING RETURN INSTEAD OF SPACE

#### BB TOX LAB ROOF TOP UNIT (BB TOX RTU-2)

FOLLOW EXISTING SEQUENCE OF OPERATIONS

DD RTU-1, DD RTU-2, BB TOX RTU-2  HARDWARE POINTS										
POINT NAME		1			SHOW ON					
	Al	BI	AO	во	TREND	ALARM	GRAPHIC			
MIXED AIR TEMPERATURE	Χ				Х		Х			
OUTSIDE AIR TEMPERATURE	Х				Х		Х			
FILTER DIFFERENTIAL PRESSURE	Х				Х		Х			
CLOGGED FILTER ALARM		Х				Х	Х			
SUPPLY AIR TEMPERATURE	Х				Х		Х			
SUPPLY FAN STATUS- CURRENT SENSOR	Х				Х	Х	Х			
SUPPLY FAN START/STOP				Х			Х			
SUPPLY FAN ALARM		Х				Х	Х			
SUPPLY FAN SPEED			Х		Х		Х			
CONDENSER ALARM						Х	Х			
GAS BURNER ALARM						Х	Х			
SUPPLY AIR PRESSURE	Х					Х	Х			
SUPPLY AIR PRESSURE SETPOINT			Х				Х			
GAS BURNER MODULATION			Х				Х			
CONDENSER MODULATION			Х				Х			

#### **GENERAL NOTES:**

- MECHANICAL CONTRACTOR TO MODIFY EXISTING BMS AS REQUIRED TO OBTAIN SEQUENCE OF OPERATIONS PER THIS SHEET M-901
- ALL TEMPERATURE SET POINT IS PROGRAMMED BY SIEMENS; JOHNSON CONTROLS EXECUTE THE CONTROL COMMANDS.

#### C. EXISTING BMS CONTROLLED BY:

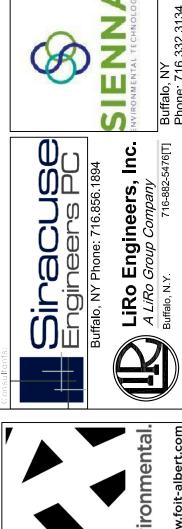
JOHNSON CONTROLS YORK INTERNATIONAL CORPORATION, 5005 YORK DRIVE, NORMAN, OK 73069 WWW. JOHNSONCONTROLS.COM

#### **EXISTING BMS MONITORED BY:**

1-800-877-7545

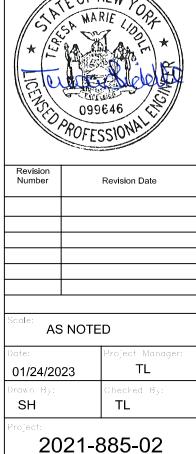
SUPPORT.US.I-BT@SIEMENS.COM

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LIGHT FIXTURES, VARIOUS. SEE LIGHTING FIXTURE SCHEDULE. DARK BLACK HATCH INDICATES EMERGENCY BATTERY OR

EXIT SIGN, CEILING MOUNTED; EXIT SIGN, WALL MOUNTED.

EMERGENCY (LIFE SAFETY) GENERATOR POWER.

ARROWS INDICATE CHEVRON DIRECTION.

**EMERGENCY WALL PACK** 

CARD READER

**▼▼**▽ <sup>#</sup>

DATA; VOICE/DATA; VOICE OUTLET

-# INDICATES NUMBER OF JACKS.

**ELECTRICAL SYMBOL LEGEND** 

PRESENCE OF A SYMBOL ON THIS LEGEND DOES NOT IMPLY ITS USE ON THIS

THIS SYMBOL LEGEND IS SHOWN FOR GENERAL REFERENCE ONLY. THE

#### **ABBREVIATIONS AMP-AMPERE** KILOVOLT AMPERE AD ACCESS DOOR KILOWATT KWH ABOVE FINISHED FLOOR AFF KILOWATT HOUR ALT ALTERNATE LIGHTING PANEL AMERICAN WIRE GAUGE AWG LIGHTING BREAKER BKR MANUF MANUFACTURER CONDUIT/CONDUCTOR CIRCUIT BREAKER MAIN CIRCUIT BREAKER C CB MAIN LUGS ONLY NEUTRAL CKT CIRCUIT NATIONAL ELECTRICAL CODE **COPPER** CU NATIONAL ELECTRICAL DRAWING DWG ELECTRIC CONTRACTOR NOT IN CONTRACT **ELECTRICAL** OC ABOVE COUNTER (APROX 6") **EXISTING TO REMAIN** PANEL FIRE ALARM CONTROL PANEL **TECHNICAL POWER** FIRE DAMPER FD TYPICAL GROUND UNLESS OTHERWISE NOTED U.O.N. **GROUND FAULT INTERRUPT** VOLT OR VOLTAGE WEATHERPROOF (NEMA 3R) HAND DRYER **HORSEPOWER** JANITOR'S CLOSET XFMR TRANSFORMER ΚV KILOVOLT WYE (STAR) FIRE ALARM SCHEDULE S SMOKE DETECTOR

F

ACCORDANCE WITH THE 2017 EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.) WITH AMENDMENTS, NYS BUILDING CODES CONTRACTOR TO VISIT SITE, ACQUAINT HIMSELF WITH EXISTING CONDITIONS AND INCLUDE ALL NECESSARY COSTS TO COMPLETE THE INSTALLATION. CONTRACTOR TO FURNISH AND PAY FOR ALL PERMITS AS REQUIRED AND OBTAIN FINAL CERTIFICATE OF INSPECTION. MANUFACTURERS ASSOCIATION CATALOG NUMBERS ARE MEANT TO INDICATE TYPE DESIRED AND MAY BE SUBSTITUTED WITH AN APPROVED EQUAL DEVICE. "APPROVED EQUAL" MUST BE SUBMITTED TO THE ENGINEER FOR WRITTEN APPROVAL PRIOR TO INSTALLATION IN THE FIELD. WORK MUST BE COORDINATED WITH ALL OTHER TRADES TO ELIMINATE CONFLICTS AND INTERFERENCES. CONTRACTOR SHALL BALANCE LOADS ON PARALLEL FEEDER AND ALL PANELS. CONTRACTOR MUST PROVIDE PROPER "FIRE STOPPING" AT ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES. SUBMIT EXACT MATERIALS AND METHODS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. NO EXCEPTIONS TAKEN. CONTROL WIRING FOR HVAC UNITS (OTHER THAN LOW VOLTAGE POWER MANUAL FIRE ALARM PULL STATION SUPPLY WIRING) SHALL BE DONE BY HVAC CONTRACTOR. RTS REMOTE TEST SWITCH CONDUIT AND WIRE ON POWER AND LIGHTING PLANS ARE NOT SHOWN EXCEPT FOR HOMERUNS. CONTRACTOR SHALL PROVIDE ALL NECESSARY DUCT SMOKE DETECTOR (R=RETURN, S=SUPPLY) CONDUIT, BOXES, PULL BOXES, WIRING, SWITCHES AND ACCESSORIES TO INTERCONNECT THE ELECTRICAL ITEM FOR CIRCUITING AND HOMERUNS FIRE ALARM WALL MOUNTED HORN/STROBE LF - LOW FREQUENCY 520Hz INDICATED SYMBOLICALLY ON THE DRAWINGS. SEE LEGEND-HOMERUNS DESIGNATION FOR SYMBOLOGY APPLICABLE TO ALL SYMBOLS SHOWN. ST WALL MOUNTED STROBE 10. UNLESS OTHERWISE NOTED ON PLANS AND SECTIONS: ALL HEAVY LINES MH MAGNETIC DOOR HOLDER ARE NEW EQUIPMENT CONDUIT, WIRING, ETC. ALL LIGHT LINES ARE EQUIPMENT, CONDUIT, WIRING, ETC. BY OTHERS. CONTRACTOR MUST INCLUDE IN HIS PRICE ALL MATERIAL AND LABOR FOR TEMPORARY POWER AND LIGHTING FOR ALL TRADES DURING DEMOLITION (IF APPLICABLE) & CONSTRUCTION. 12. POWER DISTRIBUTION NOTE: CONDUITS TO BE AS FOLLOWS. WHERE RUN WITHIN THE BUILDING IN DRY LOCATIONS NOT SUBJECT TO PHYSICAL DAMAGE PROVIDE E.M.T. WHERE RUN IN BUILDING WHERE SUBJECT TO PHYSICAL DAMAGE, WET OR DAMP LOCATIONS, THRU ROOFS OR CONCRETE PROVIDE THICK WALLED RIGID STEEL CONDUIT. CONTRACTOR MUST ESTABLISH A SAFETY LOCKOUT AND TAGOUT PROCEDURE THAT INCLUDES FACILITY STAFF.

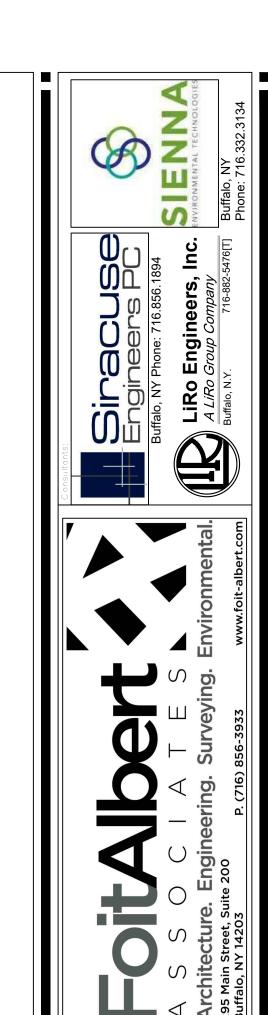
			LIGHTING FIXTUR	RE SC	HEDU	JLE			
ID	MANUFACTURER	DESCRIPTION	MODEL	VOLTAGE		LAMPS		FIXTURE WATTAGE	COMMENTS
Α	LITHONIA	2X2 TROFFER	2GTL-2-40L-GZ10-LP835	MVOLT	LUMENS 4000	TYPE	COLOR TEMP 3500	34	PROVIDE BATTERY BACKUP FOR "CE" FIXTURE
В	LITHONIA	8" DOWNLIGHT	LBR8-AL03 - WHITE	MVOLT	2000	LED	3500	21.8	PROVIDE BATTERY BACKUP FOR "BE" FIXTURE
F	LITHONIA	6" CYLINDER DOWNLIGHT	LDN6CYL-35/15-L06-AR-LSS-EZ1-PM-DWHG	MVOLT	1500	LED	3500	17.5	PROVIDE BATTERY BACKUP FOR "FE" FIXTURE
С	LITHONIA	1X4 TROFFER	GTL-4-40L-GZ10-LP835	MVOLT	4000	LED	3500	34	PROVIDE BATTERY BACKUP FOR "CE" FIXTURE
D	CORELITE	LED LINEAR	SQ4-F-0U-125D-840-1-D-UNV-W-UM-8	MVOLT	1250	LED	4000	45	PROVIDE BATTERY BACKUP FOR "DE" FIXTURE. PROVIDE SUSPENSION KIT. MOUNT AT 10'-0" AFF
D1	CORELITE	LED LINEAR	SQ4-F-0U-125D-840-1-D-UNV-W-UM-6	MVOLT	1250	LED	4000	45	PROVIDE BATTERY BACKUP FOR "D1E" FIXTURE. PROVIDE SUSPENSION KIT
UC	LITHONIA	UNDERCABINER	RAZ-48"-30K-90CRI	MVOLT	1800	LED	3000	18	
G	LITHONIA	WRAPAROUND	FML4W-48-AL06-SEF-840	MVOLT	1250	LED	4000	50	
W	RAB	WALL PACK	PROVIDED BY OWNER	-	-	-	-	ı	
W1	RAB	WALL PACK	WP2FA29	MVOLT	4350	LED	4000	29	PROVIDE PHOTOCELL.
Е	LITHONIA	EXIT SIGN	ECR-LED-HO-M6	MVOLT	-	LED	-	3	

SCHEDULE NOTE: ALL ELECTRICAL LIGHTING FIXTURES ARE SUBJECT TO ARCHITECTURAL APPROVAL PRIOR TO PURCHASE

**GENERAL NOTES** 

ALL ELECTRICAL WORK SHALL BE FURNISHED AND INSTALLED IN

											EQUIF	PMEN	T CON	INECTIO	N SCH	HEDUL	E.									
		DISCONNECT TYPE					N	EMA 1	YPE			ST	ARTER T	YPE					CONTROLS				FURN	NISHED BY		
	Α -	NON-FUSED SAFETY SWITCH		12	-	NEI	1A 12	INDO	OR, OIL TIGH	łT	MAG -	MAGNE	TIC			1 -	- START/S	TOP PUSH	H BUTTON W/ PILOT LIG	SHT IN COVER		GC -	GENERAL (	CONTRACTO	R	
	В -	FUSED SAFETY SWITCH		3F	_	NE	1A 3R	(RAIN	PROOF)		COMB -	COMBIN	NOITAN			2 .	- H-O-A SV	NITCH W/	PILOT LIGHT IN COVER			MECH -	DIVISION 23	3		
	C -	MOTOR SWITCH		7	-	NEN	1A 7 (E	XPLO	SION PROOF	F)	MAN -	MANUA	L			3	- AUXILLAF	RY CONTA	ACTS			PLUMB -	DIVISION 22	2		
山	D -	MOTOR SWITCH W/ THERMAL	OVERLOAD	4	-	NE	1A 4 (\	VATE	RTIGHT)		RED	REDUC	ED VOLT	AGE								ELEC -	DIVISION 26	3		
$\mathbf{Y}$	Е -	CORD AND PLUG		4X	-	NEN	1A 4X	CORF	ROSION/WAT	ΓE	VFD -	- VARIAB	LE FREG	QUENCY DR	RIVE							OWN -	OWNER			
				1	-	NE	1A 1 (I	NDOO	R, DUST TIG	H	OTH -	OTHER	(SEE NO	TES)								OTH -	OTHER (SE	E NOTES)		
											VSC	VARIAB	LE SPEE	ED CONTRO	L											
ТЕМ	DECIONATION	DEC OBJECTION	LOCATION	LID	1610			TO D	BANE	OIDOLUT	BREAKER	MUDE	OND	CONDUIT		1	DISCON	INECT		STA	ARTER		CONT	TROLS	FIRE ALARM	NOTEO
NO	DESIGNATION	DESCRIPTION	LOCATION	HP	KV	/ AMF	SVOL	.15 Pi	PANEL	CIRCUIT	SIZE	WIRE	GND	SIZE	TYPE	NEMA TYPE	SIZE (AMPS)	FUSES (AMPS)		NEMA SIZE	NEMA TYPE	FURNISHED BY	CONTROL VOLTAGE		INTERFACE	NOTES
1	RTU-1	ROOF TOP UNIT	BLDG DD			24.	3 48	0 3	HLPD101	VERIFY	30/3	#12	#12	3/4"	Α	3R			W/UNT							
	RTU-2	ROOF TOP UNIT	BLDG DD			15.	3 48	0 3	HLPD101	VERIFY	20/3	#12	#12	3/4"	Α	3R			W/UNT							
2																			1							
2	RTU-3	ROOF TOP UNIT	BLDG BB			40.	48	0 3	1PEH1	VERIFY	60/3	#6	#10	1"	Α	3R			W/UNT							



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Revision Date AS NOTED

01/24/2023

E001

1. COORDINATE DISPOSAL OF ALL ITEMS NOT REQUESTED AS SALVAGE BY THE OWNER.

2. DRAWINGS DO NOT IDENTIFY ALL DEVICES, CABLING, OR EQUIPMENT TO BE REMOVED. CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE PRIOR TO BIDDING AND INCLUDE LABOR AND MATERIAL NECESSARY FOR REQUIRED DEMOLITION IN THEIR BID.

3. CONTRACTOR SHALL PATCH ALL UNUSED OPENINGS. PATCHWORK SHALL MATCH MATERIALS, FINISH, AND TEXTURE OF ADJACENT SURFACES

4. CONTRACTOR SHALL PROTECT ALL WALLS, CEILING, FLOORS, AND OTHER FINISHED SURFACES THAT ARE NOT TO BE REMOVED. IF DAMAGED, CONTRACTOR SHALL REPAIR TO MATCH EXISTING CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.

5. MAKE PROVISIONS TO BACKFEED OR RE-CIRCUIT ANY ITEMS THAT ARE EXISTING TO REMAIN WHICH ARE AFFECTED BY DEMOLITION.

6. ANY CONDUIT WITHIN WALLS THAT ARE BEING DEMOLISHED THAT PENETRATE THE FLOOR SLAB MUST BE CUT, GROUND, AND CAPPED A MINIMUM OF 1/8" BELOW THE FLOOR SURFACE. ELECTRICAL CONTRACTOR MUST THEN PATCH FLOOR FLUSH WITH FLOOR SURFACE PER SPEC SECTION 030130.3.2

7. ALL EMERGENCY SPEAKERS AND RELATED ELECTRICAL ACCESSORIES TO BE DISCONNECTED AND REMOVED COMPLETELY BACK TO SOURCE. WALL INFILL BY G.C.

#### **ELECTRICAL DEMO NOTES:**

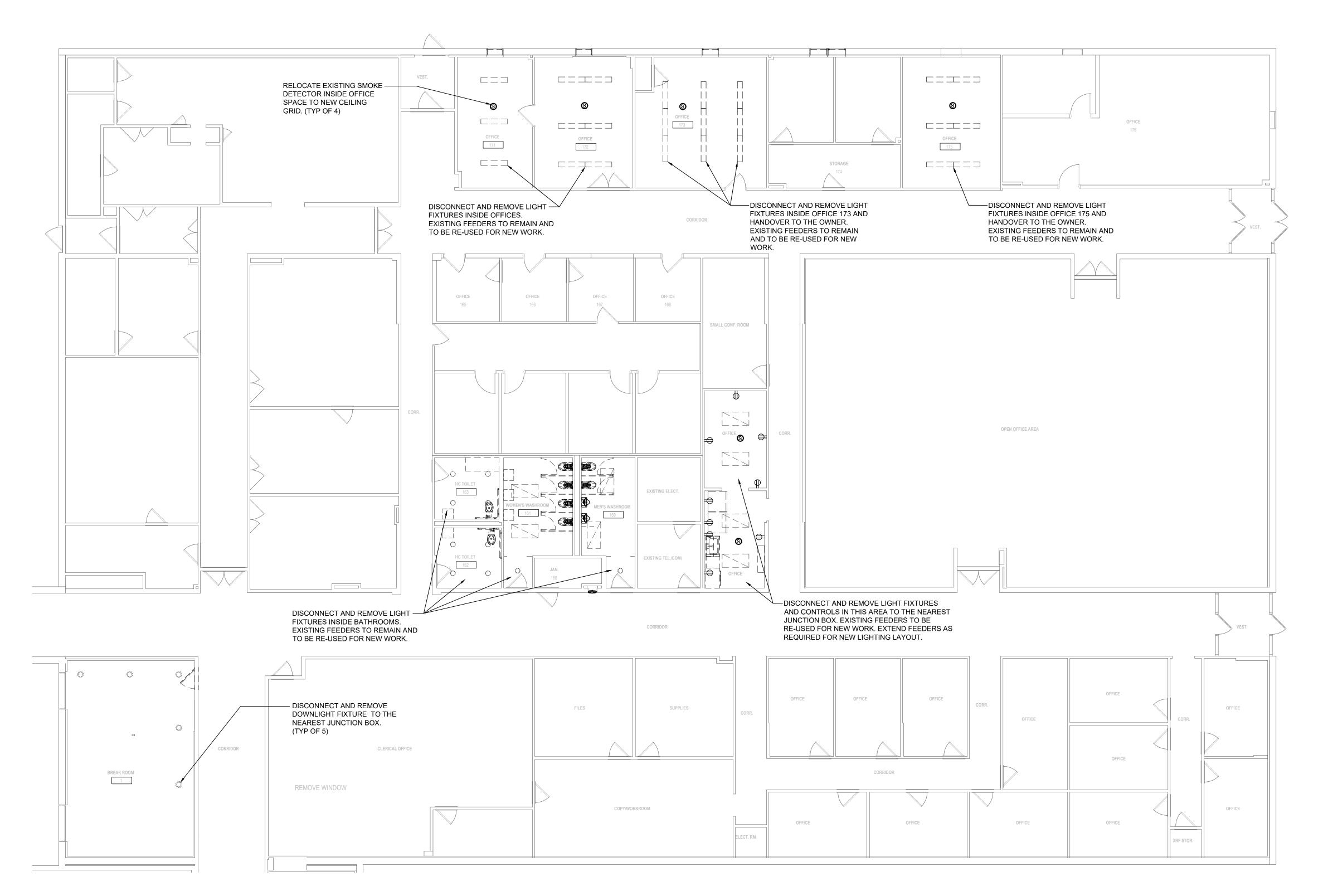
1. DISCONNECT AND REMOVE LIGHTING, POWER, COMMUNICATIONS & FIRE ALARM DEVICES SHOWN, U.O.N. REMOVE ALL UNUSED CONDUIT, RACEWAYS, WIRE, CABLE, CONTROLS, JUNCTION BOXES, DISCONNECTS, MOUNTS, AND RELATED ELECTRICAL ACCESSORIES COMPLETELY BACK TO SOURCE.

#### FIRE ALARM DEMO NOTES:

1. CONTRACTOR TO MAKE ALL PRECAUTIONS TO LIMIT FIRE ALARM FALSE ALARMS DUE TO CONSTRUCTION PROCESS. PROVIDE TEMPORARY HEAT DETECTORS IN PLACE OF THE EXISTING SMOKE DETECTORS AND KEEP FIRE ALARM SYSTEM OPERATIONAL DURING CONSTRUCTION PERIOD, AND THEN SWITCHED OVER TO NEW DEVICES ONCE CONSTRUCTION IS COMPLETE. REMOVE TEMPORARY HEAT DETECTORS AND ALL ASSOCIATED WIRING BACK TO THE SOURCE. PROVIDE ALL FIRE ALARM SYSTEM PROGRAMMING REQUIRED DURING ALL PHASES OF CONSTRUCTION.

2. CONTRACTOR TO REMOVE ALL EXISTING NON-ADRESSABLE HEAT DETECTORS CEILING OR UNDERSIDE OF ROOF MOUTED. ASSUME ONE DETECTOR PER ROOM.

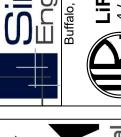
3. CONTRACTOR TO PROTECT ALL EXISTNG TO REMAIN FIRE ALARM DEVICES LOCATED IN THE CORRIDOR AREA. PROVIDE ALL NECESSARY SUPPORTS TO EXISTING CONDUITS.





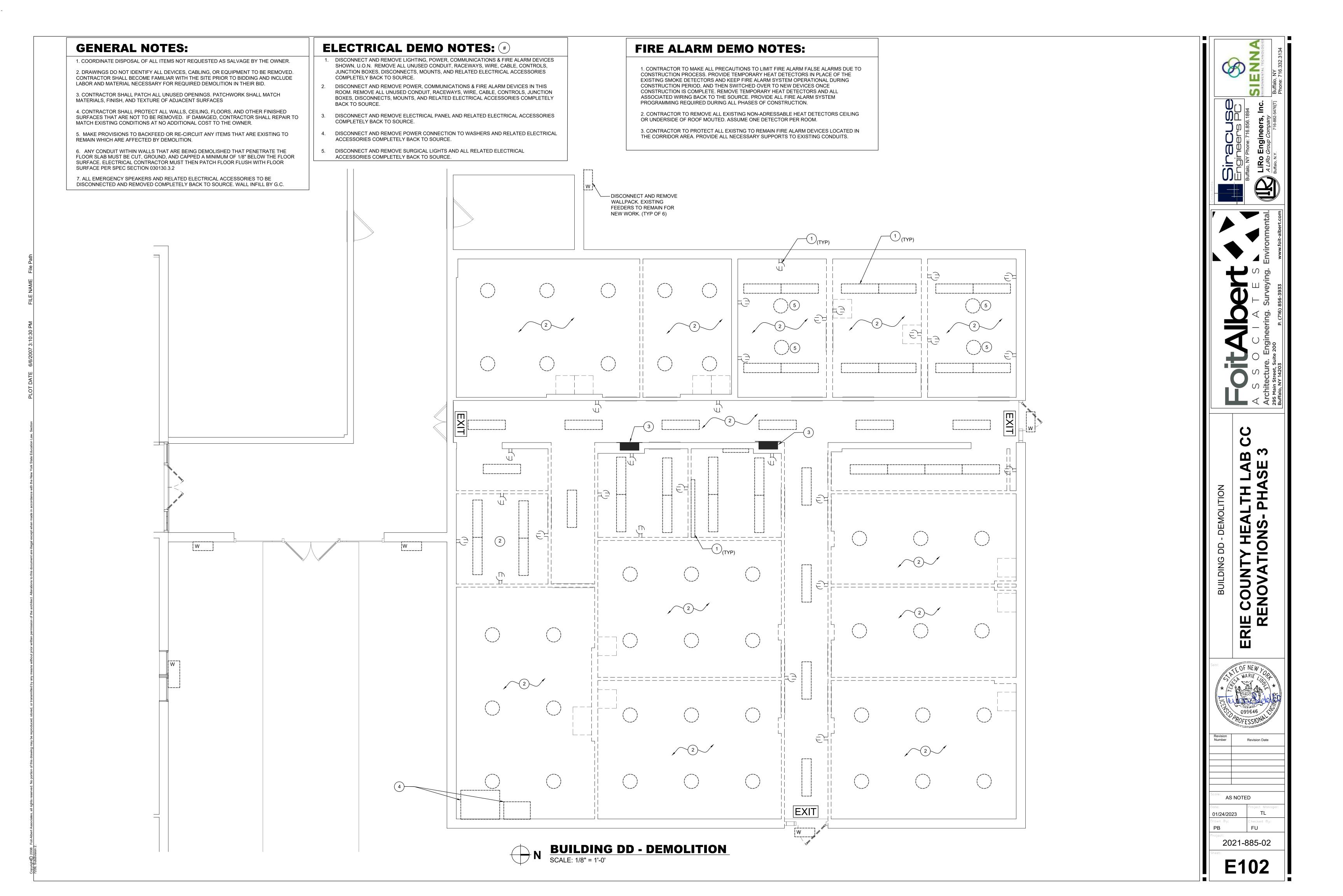






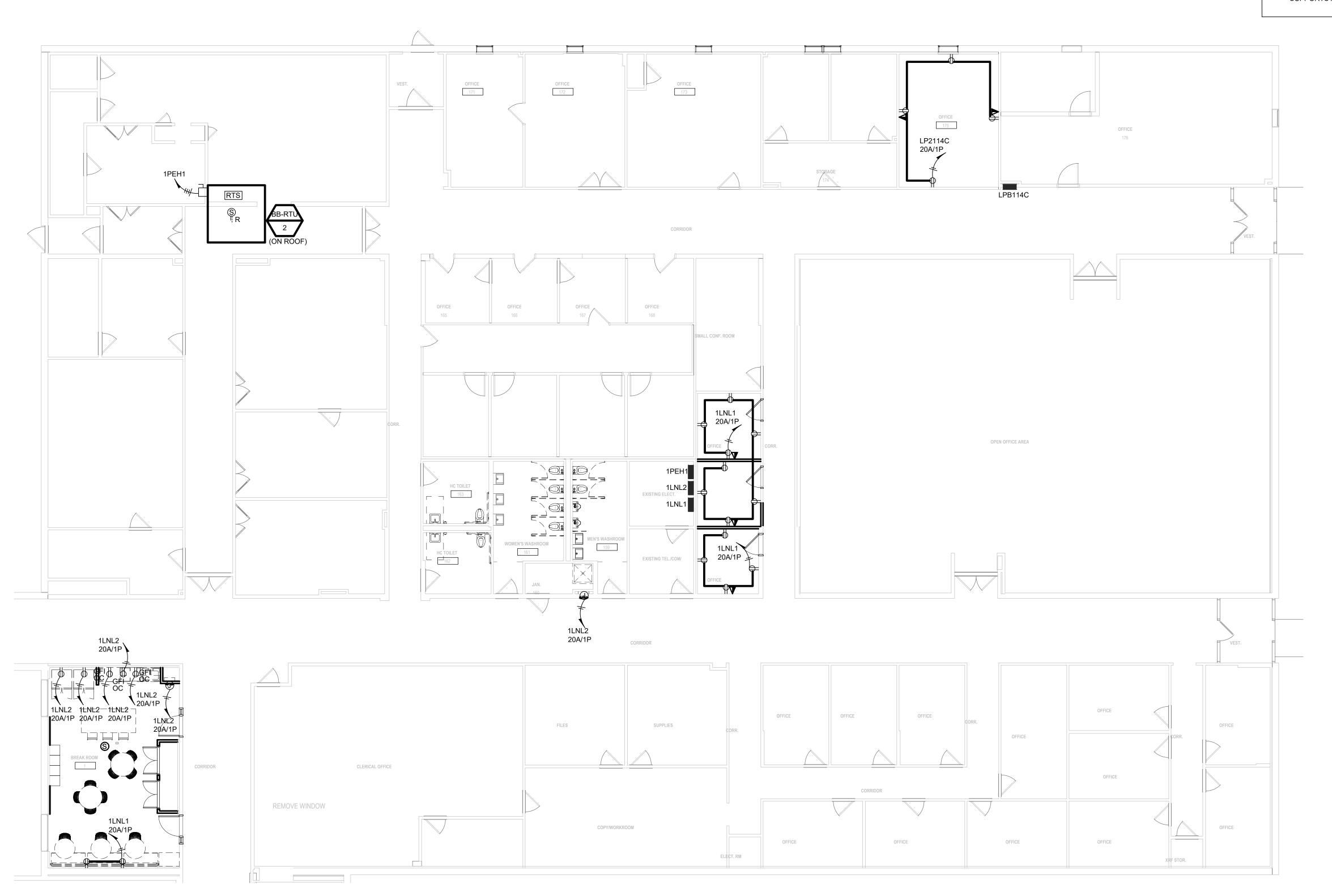


AS NOTED 01/24/2023



# **GENERAL NOTES:** A. COORDINATE ALL REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR

- TO INSTALLATION.
- B. CONTRACTOR TO PROVIDE ALL PENETRATIONS AND FIRE STOPPING ASSOCIATED WITH REQUIRED FEEDERS AND CIRCUITS.
- C. CONTRACTOR TO REMOVE AND RE-INSTALL ALL REQUIRED CEILING TILES TO COMPLETE INSTALLATION.
- D. CONTRACTOR TO MAKE ALL PRECAUTIONS TO LIMIT FIRE ALARM FALSE ALARMS DUE TO CONSTRUCTION PROCESS. PROTECT DEVICES IN THE AREA OF CONSTRUCTION. PROVIDE ALL FIRE ALARM SYSTEM PROGRAMMING REQUIRED DURING ALL PHASES OF CONSTRUCTION.
- E. CONTRACTOR TO MAKE NECESSARY MODIFICATIONS OF LIGHTING TO ALLOW FOR MODIFICATIONS TO DUCTWORK. MODIFICATIONS SHALL INCLUDE BUT NOT LIMITED TO TEMPORARY RELOCATION, CHANGES TO SUPPORTS AND RE-INSTALLATION.







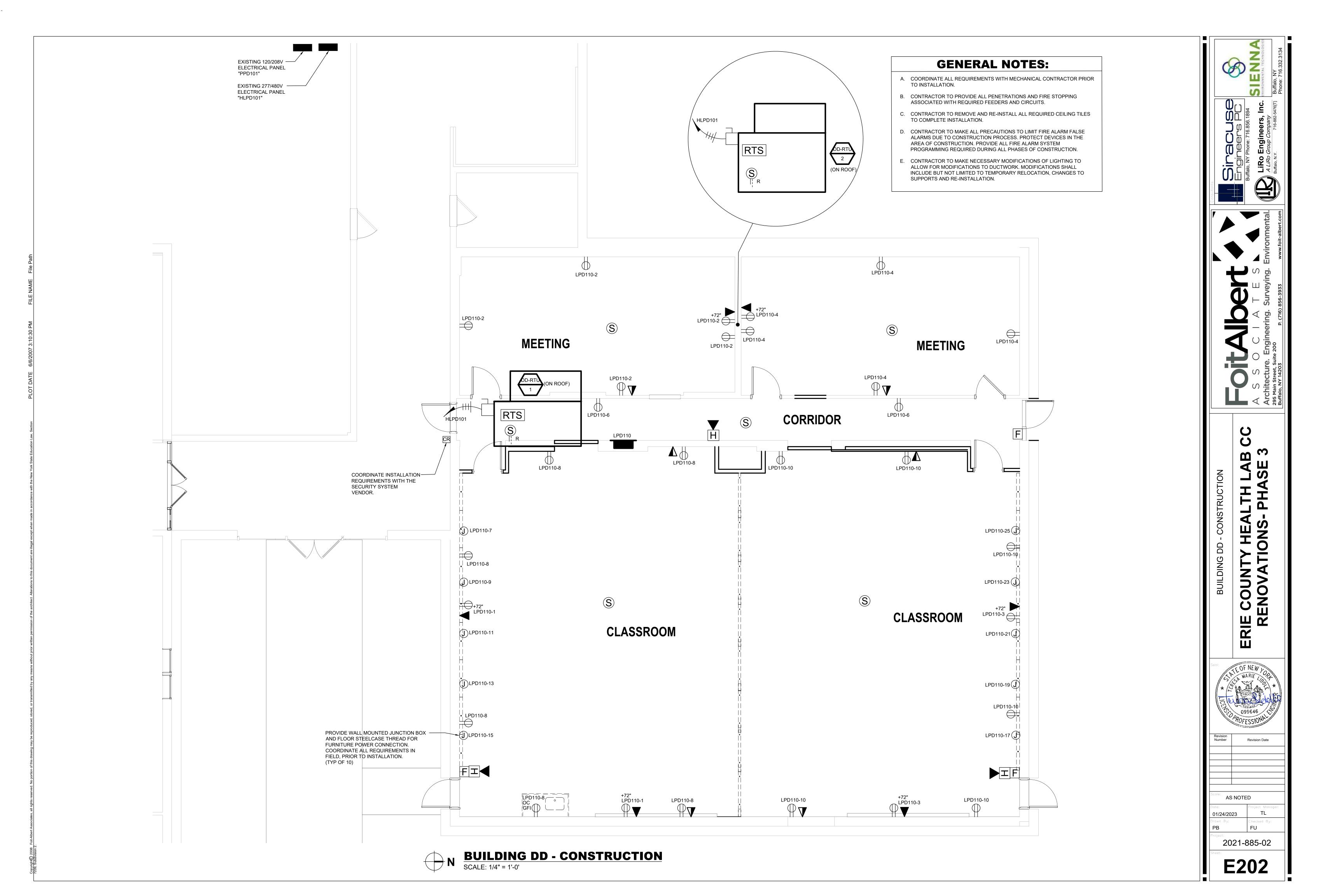






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Revision Number	Revision Date

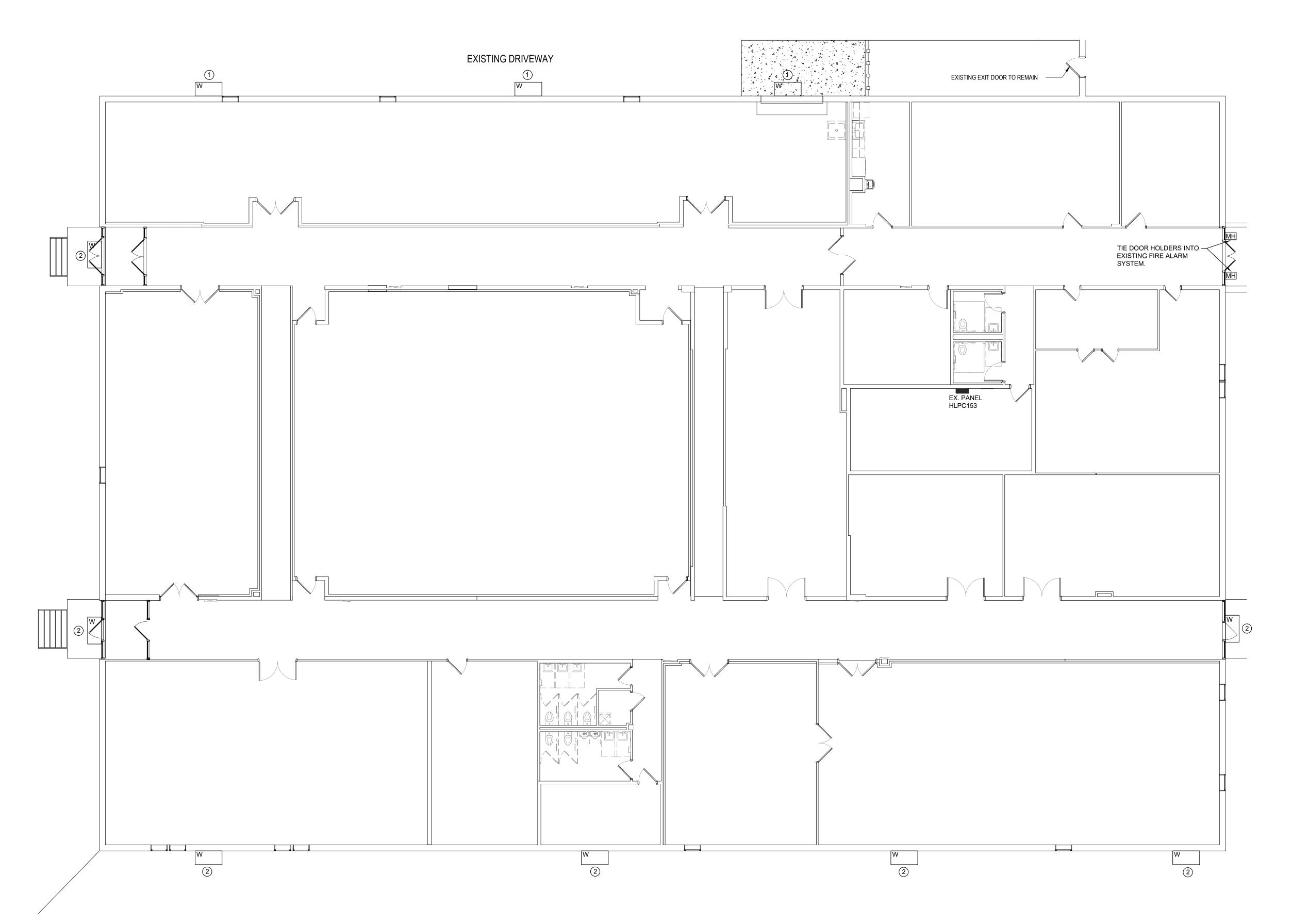
AS NOTED 01/24/2023



- DISCONNECT, REMOVE AND PLACE IN STORAGE EXISTING WALL PACKS ON THIS WALL.
   RE-INSTALL WALL PACK AFTER WALL REFACE WORK IS COMPLETE.
- DISCONNECT AND REMOVE EXISTING WALL PACK. EXISTING FEEDERS TO REMAIN AND TO BE RE-USED FOR NEW WORK. INSTALL NEW WALL PACK PROVIDED BY OWNER.

#### **GENERAL NOTES:**

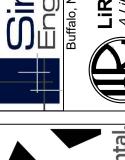
A. CONTRACTOR TO MAKE ALL PRECAUTIONS TO LIMIT FIRE ALARM FALSE ALARMS DUE TO CONSTRUCTION PROCESS. PROTECT DEVICES IN THE AREA OF CONSTRUCTION. PROVIDE ALL FIRE ALARM SYSTEM PROGRAMMING REQUIRED DURING ALL PHASES OF CONSTRUCTION.



N BUILDING CC - ELECTRICAL PLAN
SCALE: 1/8" = 1'-0'











AS NOTED

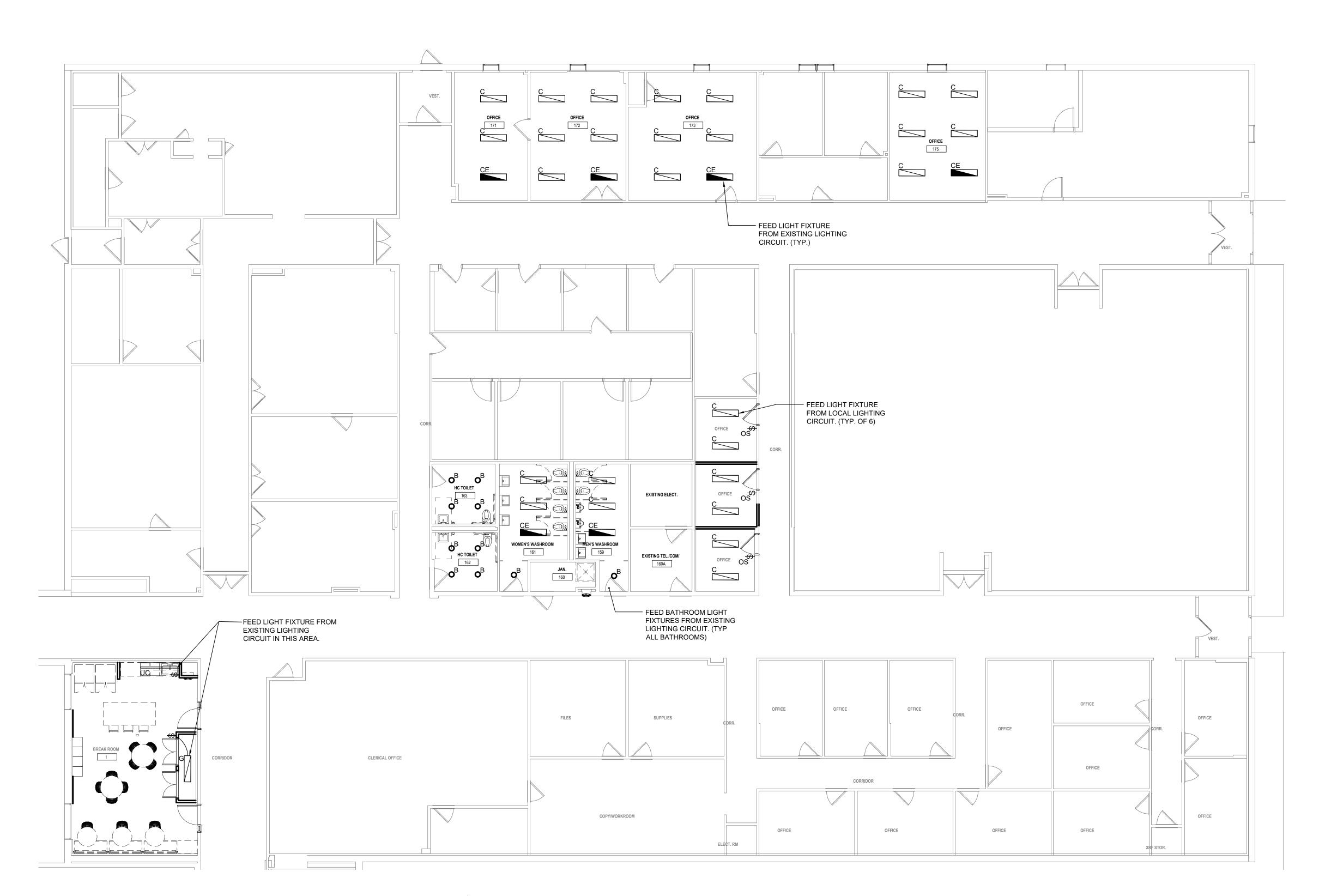
01/24/2023

2021-885-02

**E203** 

## **GENERAL NOTES:**

- PROVIDE AN UN-SWITCHED WIRE FROM THE INDICATED CIRCUIT TO SERVE EXIT SIGNS.
- 2. PROVIDE AN UN-SWITCHED LEG TO THE EMERGENCY FIXTURES.

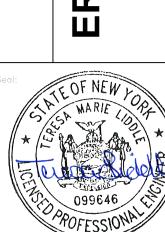


BUILDING BB - LIGHTING PLAN
SCALE: 1/8" = 1'-0'





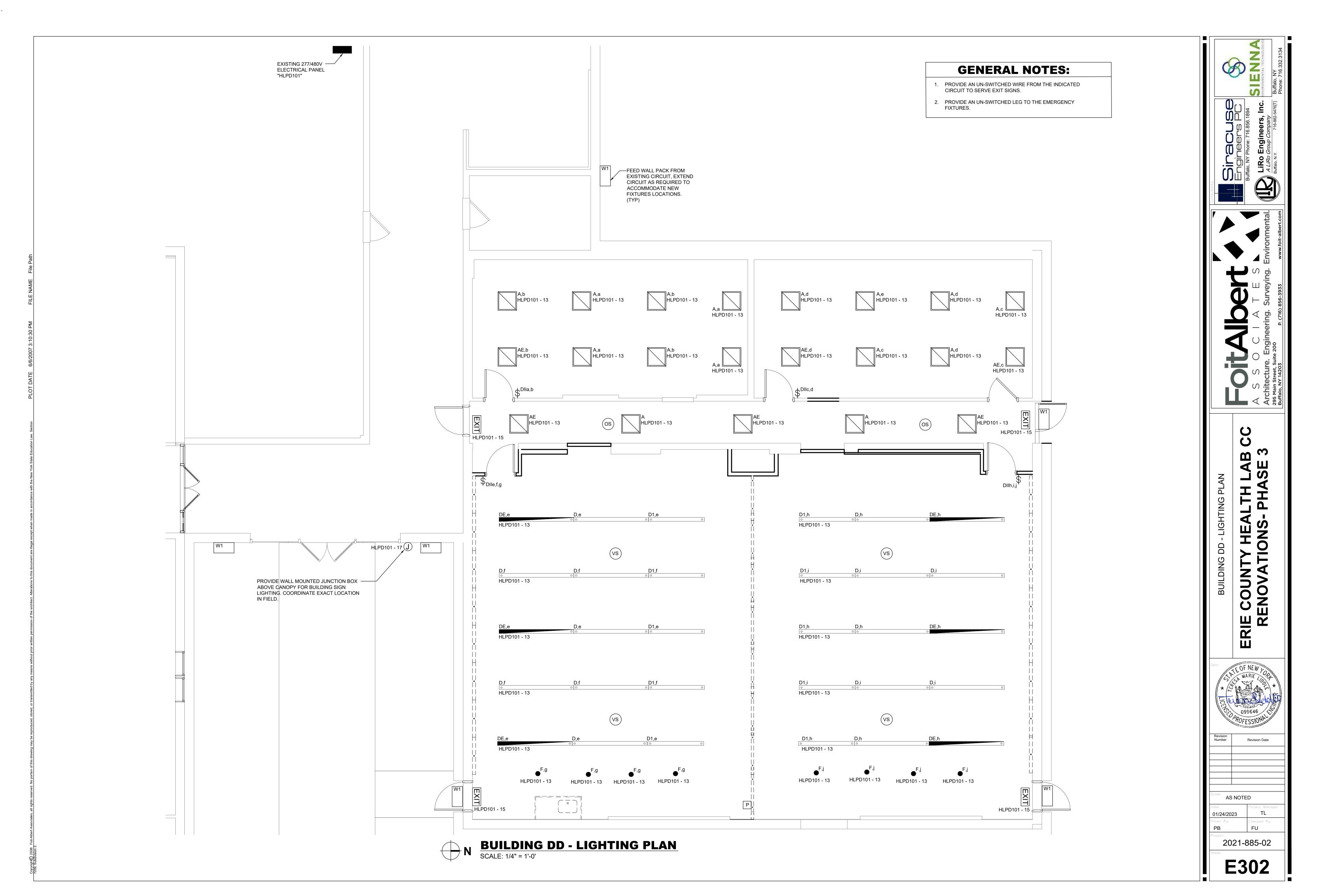




AS NOTED 01/24/2023

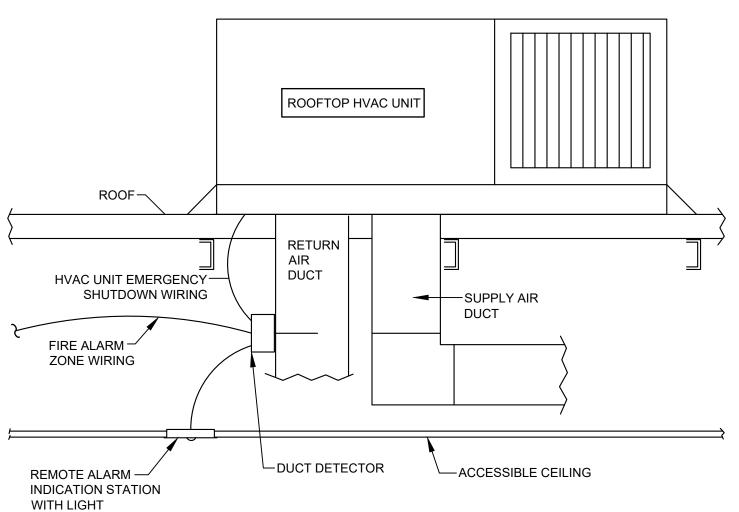
2021-885-02

E301



A. PROVIDE UN-SWITCHED WIRED TO EMERGENCY BALLAST FIXTURES WITH "EM" DESIGNATION. B. WIRE EXIT SIGNS UN-SWITCHED TO SAME CIRCUIT AS FIXTURES IN SIMILAR SPACE.

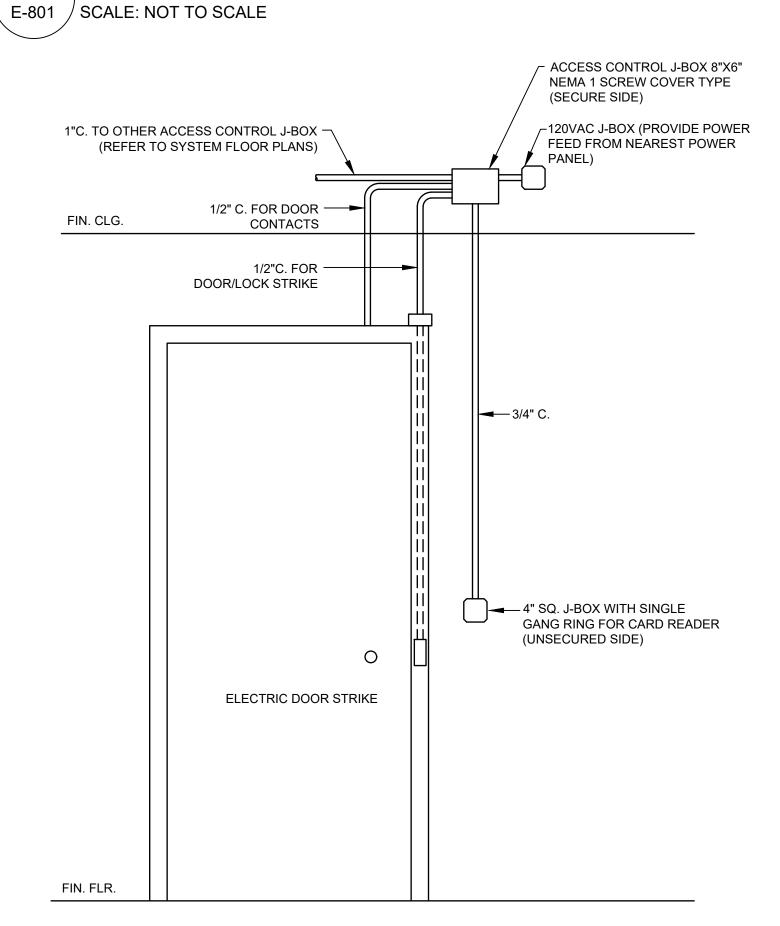
LIGHTING CONTROL DIAGRAM E-801 / SCALE: NOT TO SCALE

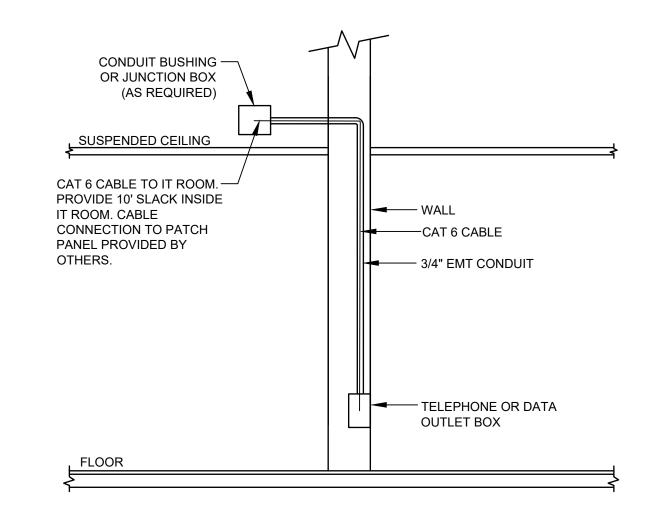


A. COORDINATE DETECTOR LOCATION TO MEET MANUFACTURERS INSTALLATION

B. COORDINATE LOCATION OF REMOTE TEST STATION IN FIELD

# **DUCT MOUNTED SMOKE DETECTOR DETAIL**





TYPICAL CONDUIT FOR TELEPHONE/DATA

ackslash E-801 ig/ SCALE: NOT TO SCALE

#### EXISTING FIRE ALARM SYSTEM

RETURN LOOP TO EDWARDS EST 3 **EXISTING SYSTEM** WIRING (TYPICAL) FACP

**BUILDING DD** 

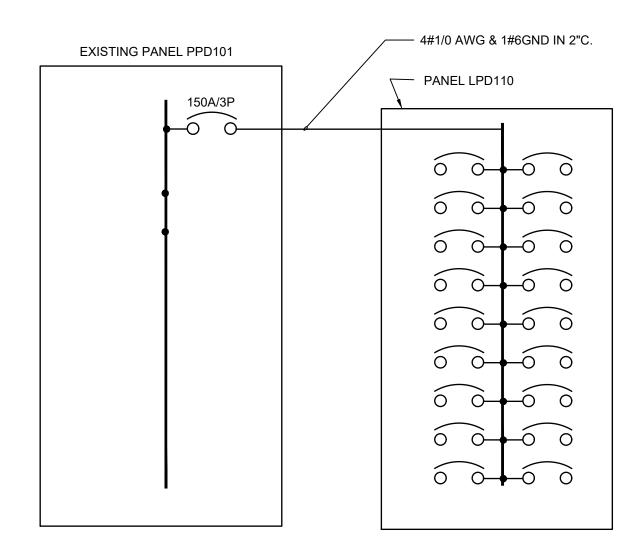
#### **DIAGARM NOTES:**

- A. DETAIL IS NOT MEANT TO REPRESENT EVERY CONNECTION IN SYSTEM. REFER
- TO SYSTEM PLANS FOR QUANTITIES AND LOCATIONS OF ALL DEVICES. B. EXTEND EXISTING CIRCUITS FOR NEW DEVICES FROM EXISTING DEVICES. PROVIDE WIRING TO MATCH EXISTING.
- C. CONTRACTOR SHALL PROVIDE ALL WIRING, PATHWAY, DEVICES, POWER SUPPLIES, AND CONNECTIONS TO PROVIDE A COMPLETE OPERATING FIRE DETECTION AND ALARM SYSTEM.
- D. REFER TO SYSTEM MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR WIRING TYPES AND QUANTITIES REQUIRED AS WELL AS RESTRICTIONS.
- E. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES FOR CONNECTION REQUIREMENTS AND TO COORDINATE FINAL TESTING.



#### FIRE ALARM RISER DIAGRAM

E-801 / SCALE: NOT TO SCALE

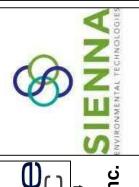


#### **GENERAL NOTES:**

- A. REFER TO FLOOR PLANS FOR LOCATIONS OF PANELS.
- B. FIELD VERIFY ALL CONDITIONS PRIOR TO START OF WORK. C. DOWNTIME OF CIRCUITS SHALL BE MINIMIZED, PROVIDE TEMPORARY WIRING TO
- MAINTAIN ACTIVE CIRCUITS.
- D. COORDINATE DOWNTIME WITH OWNER. IF OVERNIGHT OR WEEKEND WORK IS REQUIRED INCLUDE PREMIUM TIME IN BASE BID..

			•	<i>/</i> \			SCH									
o		T					POWER &			<u> </u>						lau
CKT NO.		UNIT V.A.					LOAD PER PHASE (V.A.)							UNIT V.A		C k
NO.	DESCRIPTION	V.A	POLES	TRIP	WIRE SIZE	CONDUIT SIZE	A	В	С	CONDUIT SIZE	WIRE SIZE	TRIP	POLES	V.A	DESCRIPTION	INO.
1	MONITORS CLASSROM	800	1	20	12	3/4	1520			3/4	12	20	1	720	RECEPTACLES CONF #1	T
3	MONITORS CLASSROM	800	1	20	12	3/4		1520		3/4	12	20	1	720	RECEPTACLES CONF #2	
5	FURNITURE POWER	1200	1	20	12	3/4			1560	3/4	12	20	1	360	CORRIDOR RECEPT.	
7	FURNITURE POWER	1200	1	20	12	3/4	2460			3/4	12	20	1	1260	CLASSROOM RECEPT.	
9	FURNITURE POWER	1200	1	20	12	3/4		2460		3/4	12	20	1	1260	CLASSROOM RECEPT.	1
11	FURNITURE POWER	1200	1	20	12	3/4			1200			20	1		SPARE	1
13	FURNITURE POWER	1200	1	20	12	3/4	1200					20	1		SPARE	1
15	FURNITURE POWER	1200	1	20	12	3/4		1200				20	1		SPARE	1
17	FURNITURE POWER	1200	1	20	12	3/4			1200			20	1		SPARE	1
19	FURNITURE POWER	1200	1	20	12	3/4	1200					20	1		SPARE	2
21	FURNITURE POWER	1200	1	20	12	3/4		1200				20	1		SPARE	2
23	FURNITURE POWER	1200	1	20	12	3/4			1200			20	1		SPARE	2
	SPARE		1	20			0					20	1		SPARE	2
	SPARE		1	20				0				20	1		SPARE	2
	SPARE		1	20					0			20	1		SPARE	3
31	SPARE		1	20			0					20	1		SPARE	3
	SPARE		1	20				0				20	1		SPARE	3
	SPARE		1	20					0			20	1		SPARE	3
	SPARE		1	20			0					20	1		SPARE	3
	SPARE		1	20				0				20	1		SPARE	4
41	SPARE		1	20					0			20	1		SPARE	4
			,				6380	6380	5160							
	VOLTAGE	208Y/120												42	POLES	
	PANEL AMP RATING	150					KVA:		17.9					N/A	KAIC RATING	
	PHASE	3	1				AMPS	<b>5</b> :	50					SURFACE		
	WIRE	4	-										-	PPD101	FED FROM	
	MAIN BREAKER	150												MODEL	GE A-SERIES II	







Revision Date AS NOTED 01/24/2023 FU

E801

2021-885-02

**ACCESS CONTROL CONDUIT DETAIL** E-801 SCALE: NOT TO SCALE