INTERIOR RENOVATIONS

Village of Woodbury Building Department

(A.K.A. OSWEILER BUILDING)

19 ADAMS STREET

HIGHLAND MILLS, NY 10930

Architect / Engineer:

LAN Associates Engineering, Planning Architecture, Surveying, LLP
252 Main Street Goshen, NY 10924 (845) 294-7000

Symbols

GRADE LINE
BORDER LINE, OUTLINE
FIRE SEPARATION WALL SMOKE COMPARTMENT
CENTER LINE
OBJECT LINE
ELEVATION LINE — EL. X'-X" T.O. XXX
MATCH LINE — PROPOSED / EXISTING
HIDDEN LINE
DEMOLITION
BREAK LINE
BREAK LINE
BREAK LINE (PIPE)
FRAMING DESIGNATION — 2x10 F.J. @ 16" O.C.
DIMENSION LINE
COLUMN LINE — C1

DOOR TAG — D01
WINDOW TAG — W1
CEILING TAG — CT-1
PLUMBING TAG — P-1
EQUIPMENT TAG — E11
WALL TAG — A
DEMOLITION NOTE — 1
CONSTRUCTION NOTE — 1
SLOPE DESIGNATIONS — 12 X, SL ½"/12
ADA SYMBOL

REVISION CLOUD W/ TAG — 1
ROOM NAME DESIGNATION — ROOM NAME, 100, 100 SF
BLOW UP PLAN DESIGNATION — A-.--
INTERIOR ELEVATION — 1, 2 A2.01 4, 3
SECTION MARK — 1, A2.01

Drawing Label
A-.--
-" = 1'-0"

Location Map

NOT TO SCALE

Aerial View

NOT TO SCALE

General Notes

1. ALL WORK SHALL CONFORM TO THE 2020 INTERNATIONAL BUILDING CODE AND ALL OTHER APPLICABLE CODES, ORDINANCES, ETC. FOR NEW YORK STATE AND THE LOCAL AUTHORITY HAVING JURISDICTION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND FAMILIARIZING HIMSELF WITH THE EXISTING CONDITIONS AND SCOPE OF THE WORK PRIOR TO SUBMITTING BIDS AND COMMENCING WORK.
3. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL REVIEW DRAWINGS AND FIELD VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND ADDRESS ALL QUESTIONS TO ARCHITECT PRIOR TO COMMENCING WORK.
4. THE CONTRACTOR SHALL NOT SCALE DRAWINGS FOR DIMENSIONS. ALL NOTES OR DIMENSIONED INFORMATION TAKES PRECEDENCE OVER THE DRAWING.
5. IN ALL CASES WHERE A CONFLICT MAY OCCUR SUCH AS BETWEEN ITEMS COVERED BY SPECIFICATIONS, NOTES ON THE DRAWINGS, OR BETWEEN GENERAL NOTES AND SPECIFIC DETAILS, THE ARCHITECT SHALL BE NOTIFIED AND WILL INTERPRET THE INTENT OF THE CONTRACT DOCUMENTS.
6. DETAILS NOTED AS "TYPICAL" (TYP.) SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE.
7. WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING OR CONSTRUCTION SHALL BE IDENTICAL AND SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION.
8. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SAFE WORKING CONDITIONS AND SHALL OBSERVE ALL SAFETY REQUIREMENTS ESTABLISHED BY JURISDICTIONAL AGENCIES AND THE OWNER. WHERE CONFLICTS EXIST, THE MORE STRINGENT REQUIREMENT SHALL APPLY. CARE SHALL BE EXERCISED TO AVOID ENDANGERING PERSONNEL OR STRUCTURES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION METHODS, PROCEDURES AND JOB SITE CONDITIONS INCLUDING SAFETY. CONSTRUCTION SHALL BE PERFORMED IN SUCH A MANNER TO PROTECT WORKMEN, OCCUPANTS AND THE PUBLIC TO BE PROTECTED FROM INJURY AND ADJOINING PROPERTY SHALL BE PROTECTED FROM DAMAGE BY USE OF SCAFFOLDING, UNDERPINNING OR OTHER APPROVED METHOD. THE CONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE CAUSED DURING OR RESULTING FROM HIS OPERATIONS IN KIND TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
10. THE CONTRACTOR SHALL MAINTAIN THE JOB SITE IN A CLEAN, DEBRIS FREE CONDITION. THE DUST RESULTING FROM REMOVALS SHALL BE CONTROLLED SO AS TO PREVENT ITS SPREAD TO OCCUPIED PORTIONS OF THE BUILDING AND TO AVOID CREATION OF A NUISANCE IN THE SURROUNDING AREA.
11. CONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE CAUSED DURING OR RESULTING FROM THEIR OPERATIONS IN KIND TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
12. THE CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLISHED MATERIAL OFF SITE IN AN APPROVED MANNER UPON COMPLETION OF WORK. ANY EXTRA BUILDING MATERIALS SHALL BE DISPOSED OF OR TURNED OVER TO THE OWNER AS DIRECTED. THE OWNER SHALL BE CONSULTED PRIOR TO DISPOSAL OF SALVAGED OR EXCESS MATERIALS AT PROJECT COMPLETION. THE WORK AREA SHALL BE LEFT CLEAN TO THE OWNER'S SATISFACTION.
13. ALL EXCESS MATERIAL, DEBRIS, ETC. SHALL BE REMOVED AND THE WORK AREA SHALL BE LEFT CLEAN TO THE OWNER'S SATISFACTION.
14. CONTRACTOR SHALL COORDINATE SCHEDULING OF WORK WITH THE OWNER'S REQUIREMENTS AND SCHEDULE. CONSTRUCTION ACTIVITIES SHALL COMPLY WITH LOCAL NOISE ORDINANCES REQUIREMENTS.
15. CONTRACTOR SHALL FURNISH ALL EQUIPMENT THAT MAY BE REQUIRED TO PERFORM THE WORK INDICATED IN A SAFE AND ORDERLY MANNER.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION AND TEMPORARY SUPPORT OF ANY UTILITIES ENCOUNTERED DURING THE COURSE OF THEIR WORK AND TO ENSURE THE OWNER'S FACILITY TO BE OPERATIONAL. IF REQUIRED, THE CONTRACTOR SHALL MAINTAIN UNOBSTRUCTED ACCESS TO ALL UTILITIES AND PUBLIC FACILITIES INCLUDING FIRE HYDRANTS, FIRE ALARM BOXES, POLICE CALL BOXES, STREET LIGHTS, MANHOLES, AMONG OTHERS DURING DEMOLITION AND CONSTRUCTION.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, PATCHING, FILLING AND CLEANING UPON COMPLETION OF WORK.
18. THE CONTRACTOR SHALL SUBMIT WHERE REQUIRED, SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL PRIOR TO THE START OF FABRICATION OR PURCHASE OF THOSE ITEMS.
19. THE CONTRACTOR SHALL PROVIDE THE OWNER AND ARCHITECT WITH CERTIFICATES OF INSURANCE, AS SPELLED OUT IN THE SPECIFICATIONS, PRIOR TO STARTING THE WORK.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND BRACING OF EXISTING STRUCTURES AS NEEDED TO COMPLETE THE NEW WORK.
21. ALL MANUFACTURER'S MATERIALS, COMPONENTS, FASTENERS, ASSEMBLIES, ETC. SHALL BE HANDLED AND INSTALLED IN ACCORDANCE WITH EACH MANUFACTURER'S SPECIFIC INSTRUCTIONS AND RECOMMENDATIONS. WHERE BRAND NAMES AND MANUFACTURED PRODUCTS ARE CALLED FOR, APPROVED EQUALS WHICH MEET APPLICABLE STANDARDS AND SPECIFICATIONS MAY BE SUBSTITUTED WITH WRITTEN PERMISSION OF THE ARCHITECT AND THE OWNER. WHENEVER BRAND NAMES OR SPECIFIC PRODUCT SYSTEMS ARE INDICATED IT SHALL BE CLEARLY UNDERSTOOD THAT SUCH IDENTIFICATION IS FOR THE PURPOSE OF ILLUSTRATING THE TYPE OF PRODUCT AND DEGREE OF QUALITY DESIRED. SUCH IDENTIFICATION IN NO WAY PRECLUDES THE CONTRACTOR FROM USING PRODUCTS OF OTHER MANUFACTURERS WHICH CAN BE SHOWN IN ADVANCE TO BE OF LIKE KIND AND EQUAL QUALITY.
22. ALL CHANGES SHALL BE REQUESTED IN WRITING AND MAY ONLY BE APPROVED IN WRITING BY THE ARCHITECT AND THE OWNER PRIOR TO ANY CHANGES BEING MADE.
23. THE ARCHITECT AND THE OWNER HAVE THE RIGHT TO REJECT ANY PORTION OF WORK THAT IS POORLY INSTALLED, DOES NOT MEET INDUSTRY STANDARD, UNAUTHORIZED OR WORK DONE CONTRARY TO THE THE INTENT OF THE CONTRACT DOCUMENTS. SUCH WORK SHALL BE REPLACED, REPAIRED OR REMOVED AT THE CONTRACTOR'S EXPENSE.
24. THE CONTRACTOR SHALL GUARANTEE ALL OF THEIR WORK AND THE WORK OF THEIR SUBCONTRACTORS FOR A PERIOD ONE YEAR AFTER RECEIVING FINAL ACCEPTANCE AND DO ALL REPAIR WORK AND REPLACEMENT AS NECESSARY DURING THAT PERIOD AT THE CONTRACTOR'S EXPENSE.
25. IN NO EVENT SHALL STRUCTURAL MEMBERS BE CUT OR DRILLED WITHOUT THE WRITTEN APPROVAL OF A LICENSED STRUCTURAL ENGINEER.
26. THE CONTRACTOR SHALL PROVIDE SAFE AND SANITARY CONDITIONS WHERE DEMOLITION AND WRECKING OPERATIONS ARE BEING CARRIED ON. WORK SHALL BE EXECUTED IN SUCH A MANNER THAT HAZARD FROM FIRE, POSSIBILITY OF INJURY, DANGER TO HEALTH AND CONDITIONS WHICH MAY CONSTITUTE A PUBLIC NUISANCE SHALL BE MINIMIZED.
27. THE ARCHITECT WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS AS WELL AS FAILURE TO OBTAIN AND/OR FOLLOW THE ARCHITECT'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.
28. COLOR, FINISHING & TEXTURE OF ALL FINISH MATERIALS, WHERE NOT INDICATED ON THE DRAWINGS, SHALL BE SELECTED BY OWNER.
29. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE AND THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, AND NFPA 70.
30. CONTRACTORS OR ANY SUBCONTRACTORS PERFORMING WORK UNDER THIS CONTRACT SHALL CARRY LIABILITY AND PROPERTY DAMAGE INSURANCE AGAINST ACCIDENTS OF ALL KINDS AND SHALL FURNISH OWNER WITH CERTIFICATE OF INSURANCE.
31. ALL WORK IN THESE DRAWINGS SHALL BE CONSIDERED NEW WORK WHETHER STATED OR NOT EXCEPT WHERE SPECIFICALLY NOTED AS EXISTING.
32. WHERE SPECIFIC PRODUCTS OR MANUFACTURERS ARE INDICATED, IT IS TO BE UNDERSTOOD THAT THIS IS CONSIDERED THE BASIS OF DESIGN, AND "EQUALS" WILL BE APPROVED BY THE ARCHITECT OR ENGINEER UPON SATISFACTORY EVIDENCE THAT THE SUBSTITUTION MEETS OR EXCEEDS THE BASIS OF DESIGN.

Drawing Index

Date	12/28/20
Checked	MJM
Drawn	CC

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Revisions:

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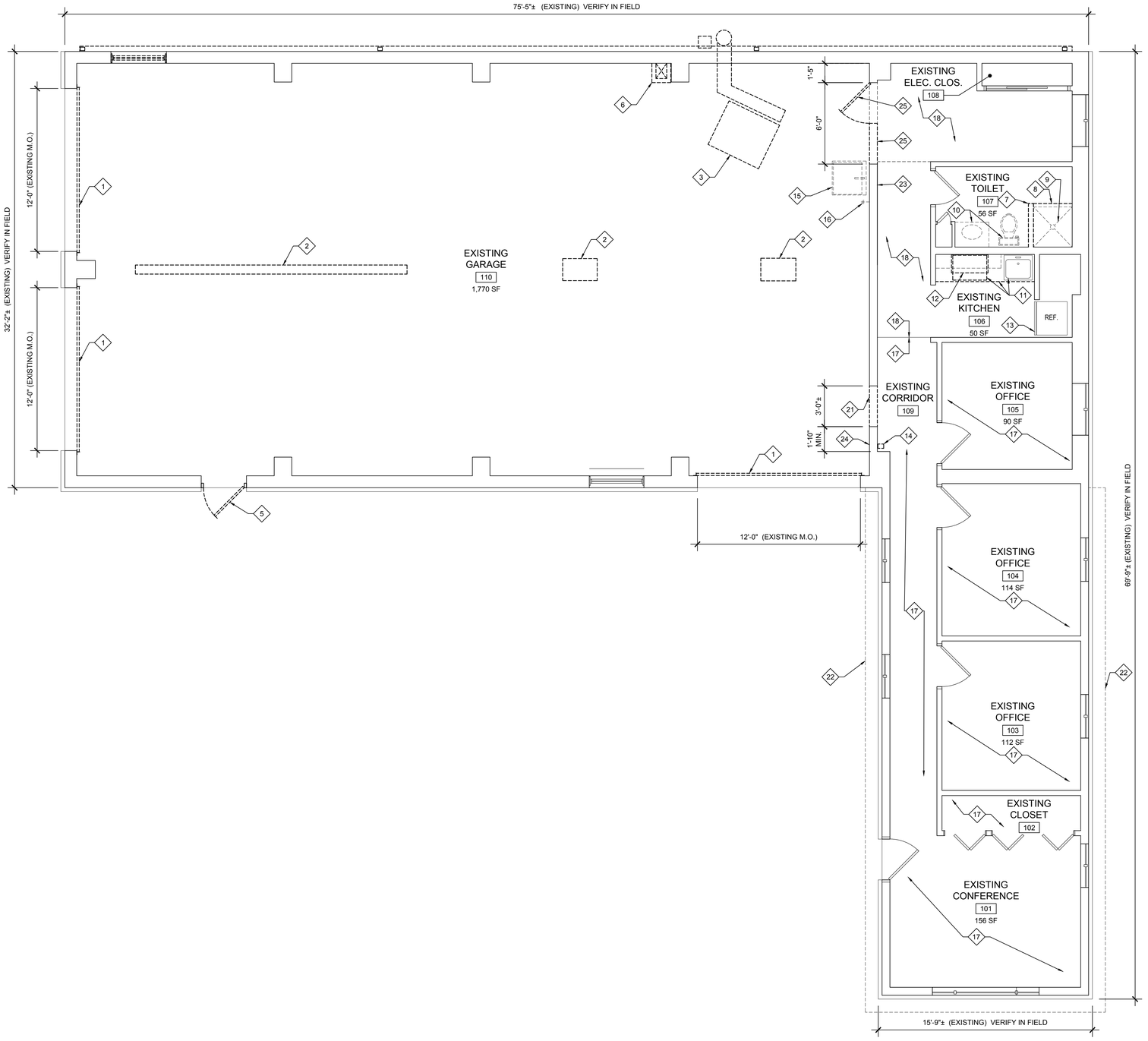
TITLE SHEET & GENERAL NOTES
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

Job No. 4.1523.01

File No. 41523011001

T0.01



Demolition Key Notes

SYMBOL INDICATES DEMOLITION KEY NOTE

1. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING OVERHEAD DOOR, EXISTING DOOR TRACKS AND RELATED BLOCKING, EXISTING ELECTRIC MOTOR ASSEMBLY AND CONTROLS, AND ALL RELATED EXISTING COMPONENTS AND DISPOSE OF IN AN APPROVED MANNER.
2. CONTRACTOR SHALL COMPLETELY REMOVE DRAIN COVERS AND ALL ASSOCIATED COMPONENTS AND DISPOSE OF IN AN APPROVED MANNER.
3. CONTRACTOR SHALL REMOVE EXISTING SUSPENDED UNIT HEATER AND ALL RELATED ELECTRICAL AND MECHANICAL COMPONENTS (INCLUDING ALL RELATED DUCTWORK) AND DISPOSE OF IN AN APPROVED MANNER. TERMINATE GAS LINE PER CODE REQUIREMENTS.
4. CONTRACTOR SHALL REMOVE EXISTING EXTERIOR WINDOW, JAMBS, SILL, SASHES, ETC COMPLETELY AND DISPOSE OF IN AN APPROVED MANNER. EXISTING LINTEL ABOVE SHALL REMAIN IN PLACE.
5. CONTRACTOR SHALL REMOVE EXISTING DOOR, FRAME, HINGES, HARDWARE, CLOSER, ETC. AND DISPOSE OF IN AN APPROVED MANNER.
6. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING CHIMNEY UP TO BELOW ROOF DECK AND DISPOSE OF DEBRIS IN AN APPROVED MANNER.
7. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING INTERIOR PARTITION, INCLUDING WALL BASE, GWB, CERAMIC TILE, AND STUDS AND DISPOSE OF IN AN APPROVED MANNER.
8. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING GWB SOFFIT, CERAMIC TILE, WOOD STUD FRAMING, ETC. AND DISPOSE OF IN AN APPROVED MANNER.
9. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING PREMANUFACTURED SHOWER STALL AND ALL RELATED COMPONENTS AND DISPOSE OF IN AN APPROVED MANNER. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
10. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING TOILET AND LAVATORY AND ALL RELATED BATHROOM ACCESSORIES AND DISPOSE OF IN AN APPROVED MANNER. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
11. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING KITCHEN COUNTERTOP, AND EXISTING STOVETOP (AND ALL RELATED ELECTRICAL COMPONENTS) AND DISPOSE OF IN AN APPROVED MANNER. CONTRACTOR SHALL REMOVE EXISTING KITCHEN SINK AND FAUCET AND SALVAGE FOR REINSTALLTION IN NEW COUNTERTOP.
12. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING EXHAUST HOOD, DUCTWORK UP THROUGH ROOF SYSTEM, AND ALL RELATED COMPONENTS AND DISPOSE OF IN AN APPROVED MANNER.
13. CONTRACTOR SHALL REMOVE EXISTING REFRIGERATOR AND DISPOSE OF IN AN APPROVED MANNER.
14. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING OVERHEAD DOOR ELECTRIC OPENER AND ALL ASSOCIATED WIRING AND DISPOSE OF IN AN APPROVED MANNER. PATCH EXISTING WALL TO MATCH SMOOTH, LEVEL AND FLUSH. PAINT TO MATCH.
15. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING SLOP SINK AND DISPOSE OF IN APPROVED MANNER. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
16. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING HOSE BIB AND DISPOSE OF IN APPROVED MANNER. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
17. CONTRACTOR SHALL COMPLETELY REMOVE ALL EXISTING CARPETING AND RELATED EXISTING PADDING IN ITS ENTIRETY AND DISPOSE OF IN AN APPROVED MANNER.
18. EXISTING PORCELAIN FLOOR TILE TO REMAIN.
19. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING ALUMINUM GUTTER, LEADERS, STRAPS, ETC., ALONG WEST WALL AND DISPOSE OF IN AN APPROVED MANNER.
20. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING EXTERIOR WALL FINISH (PAINT, ETC.) DOWN TO FACE OF EXISTING CONCRETE BLOCK ALONG ENTIRE LENGTH OF WALL AT WEST ELEVATION. DISPOSE OF DEBRIS IN AN APPROVED MANNER.
21. CONTRACTOR SHALL REMOVE EXISTING INTERIOR PARTITION TO EXTENTS AS NECESSARY IN PREPARATION FOR PROPOSED DOOR.
22. EXISTING ROOF OVERHANG ABOVE.
23. CONTRACTOR SHALL REMOVE EXISTING RETURN AIR GRILLE IN WALL AND DISPOSE OF IN AN APPROVED MANNER. REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
24. CONTRACTOR SHALL DEMOLISH WALL IN EXTENTS NECESSARY FOR THE INSTALLATION OF NEW RECESSED UNIT HEATER. REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
25. CONTRACTOR SHALL REMOVE EXISTING PARTITION AND EXISTING DOOR IN EXTENT SHOWN TO PREPARE FOR NEW 6'-0" FINISHED OPENING. DISPOSE OF DEBRIS IN AN APPROVED MANNER.

1 / A1.01 Demolition Plan
1/4" = 1'-0"

NORTH

Date	12/28/20
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Revisions:

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DEMOLITION PLAN
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

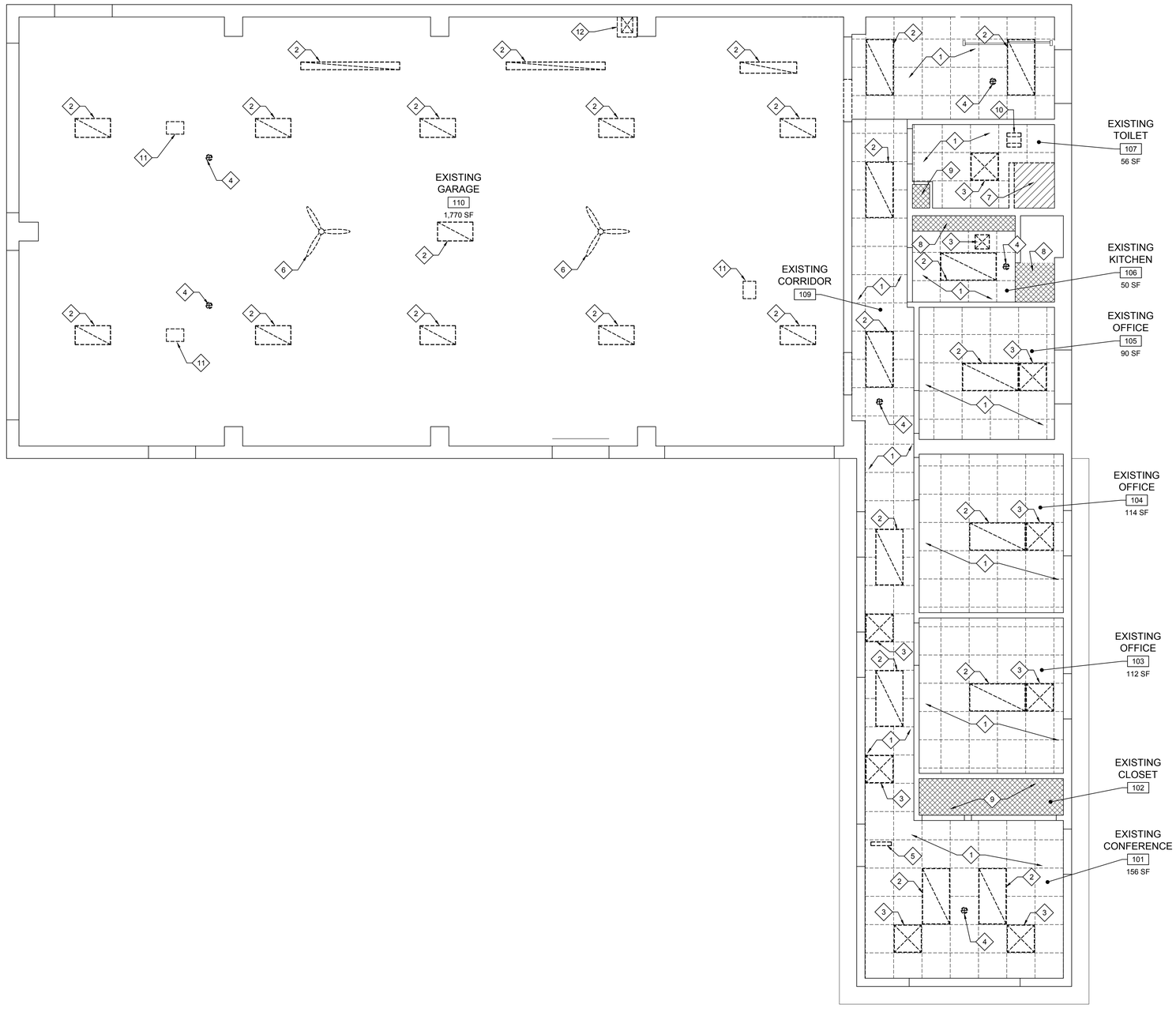
Job No. 4.1523.01
File No. 4152301A101

A1.01

Demolition Key Notes

SYMBOL INDICATES DEMOLITION KEY NOTE

1. **ACOUSTICAL CEILING TILE & GRID DEMOLITION:** CONTRACTOR SHALL COMPLETELY REMOVE AND DISCARD EXISTING SUSPENDED CEILING TILE , INCLUDING CEILING GRID, WALL ANGLES, SUPPORT WIRES, CLIPS TIES, ETC. DISPOSE OF ALL MATERIAL IN AN APPROVED MANNER.
2. **LIGHTING DEMOLITION:** CONTRACTOR TO DEMOLISH LIGHTING IN ITS ENTIRETY. CONTRACTOR TO TERMINATE ALL ELECTRICAL CONNECTIONS PER NEC REQUIREMENTS. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.
3. **HVAC DIFFUSER DEMOLITION:** CONTRACTOR TO REMOVE EXISTING SUPPLY DIFFUSERS AND RETURN AIR GRILLES IN THEIR ENTIRETY. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
4. **SMOKE DETECTOR DEMOLITION:** CONTRACTOR SHALL REMOVE EXISTING SMOKE DETECTOR AND ASSOCIATED WIRRING IN ITS ENTIRETY. TERMINATE ALL ELECTRICAL CONNECTIONS PER NEC REQUIREMENTS.
5. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING ILLUMINATED EXIT SIGN AND DISPOSE OF IN AN APPROVED MANNER. TERMINATE ALL ELECTRICAL CONNECTIONS PER NEC REQUIREMENTS.
6. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING CEILING FAN AND ALL WIRING AND DISPOSE OF IN AN APPROVED MANNER.
7. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING GWB SOFFIT, INCLUDING GWB, WOOD STUDS, CERAMIC TILE, ETC., IN ITS ENTIRETY AND DISPOSE OF IN AN APPROVED MANNER.
8. EXISTING GWB SOFFIT TO REMAIN. CLEAN SURFACES AS REQUIRED FOR REPAINTING.
9. EXISTING GWB CELING TO REMAIN. CLEAN SURFACES AS REQUIRED FOR REPAINTING.
10. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING EXHAUST FAN/LIGHT AND DISPOSE OF IN AN APPROVED MANNER. TERMINATE ALL ELECTRICAL CONNECTIONS PER NEC REQUIREMENTS.
11. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING EXISTING ELECTRICAL OVERHEAD DOOR MOTOR AND ALL WIRING AND DISPOSE OF IN AN APPROVED MANNER. TERMINATE ALL CONNECTIONS PER NEC REQUIREMENTS.
12. CONTRACTOR SHALL COMPLETELY DEMOLISH EXISTING CHIMNEY. REFER TO SHEET A1.01 FOR ADDITIONAL INFORMATION.



1 / A1.02 Demolition Reflected Ceiling Plan

1/4" = 1'-0"

NORTH

Date	12/28/20
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DEMOLITION REFLECTED CEILING PLAN
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
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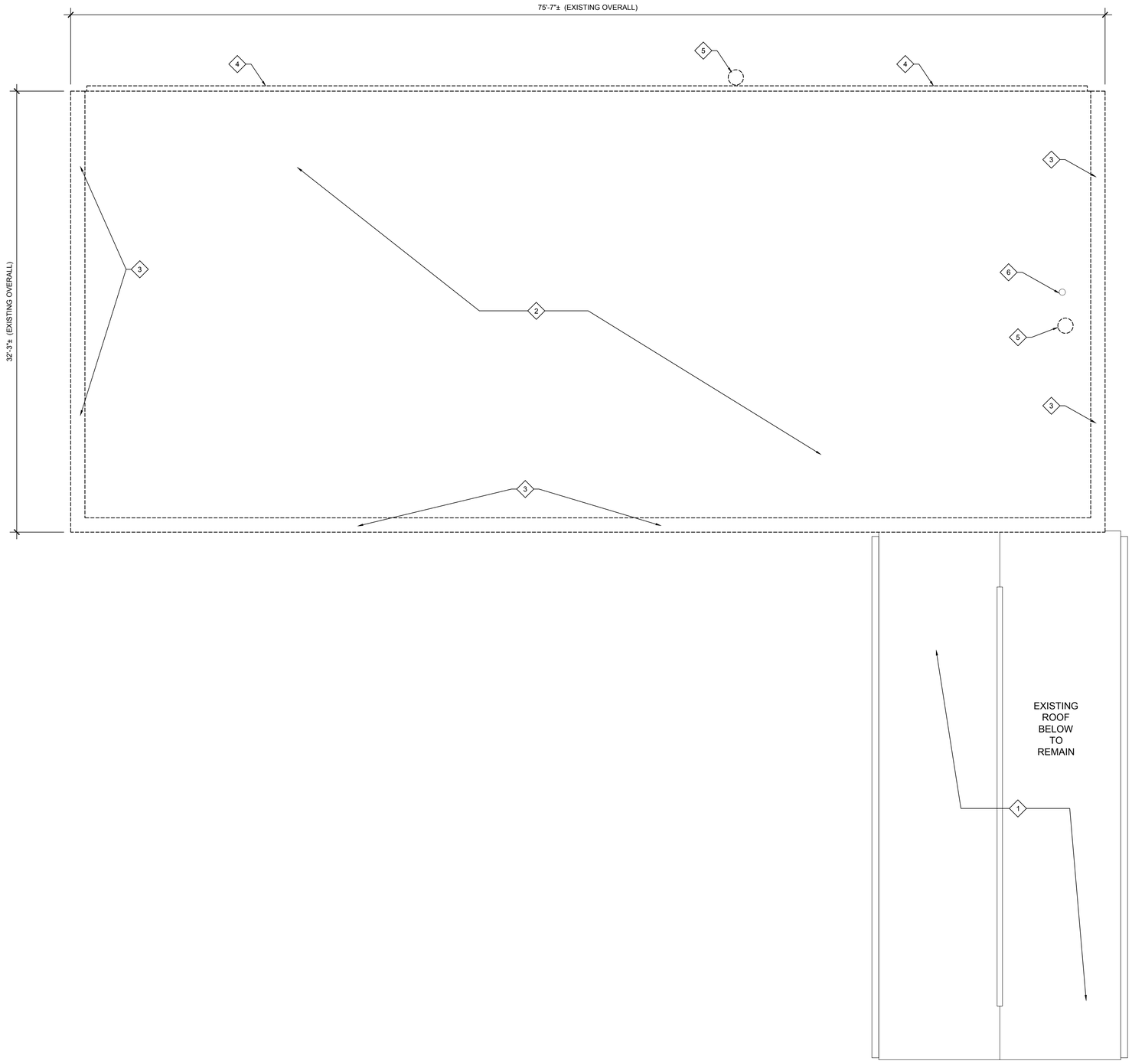
HIGHLAND MILLS NEW YORK 10930

Job No. 4.1523.01

File No. 4152301A102

A1.02



Demolition Key Notes

SYMBOL INDICATES DEMOLITION KEY NOTE

1. EXISTING SLOPED ROOF BELOW TO REMAIN.
2. **ROOF PENETRATION DEMOLITION:** EXISTING ROOF SYSTEM TO REMAIN. CONTRACTOR SHALL DEMOLISH EXISTING ROOF SYSTEM AS REQUIRED FOR ROOF PENETRATION. REFER TO MECHANICAL SHEETS FOR QUANTITIES AND APPROXIMATE LOCATIONS OF ROOF PENETRATIONS. CONTRACTOR SHALL COORDINATE WITH OWNER PRIOR TO COMMENCEMENT OF ANY ROOF DEMOLITION ACTIVITIES.
3. EXISTING METAL COPING TO REMAIN.
4. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING ALUMINUM GUTTER AND LEADERS (INCLUDING CLIPS, FASTENERS, ETC.) AND DISPOSE OF IN AN APPROVED MANNER.
5. DEMOLISH EXISTING EXHAUST - REFER TO SHEET A1.01 FOR ADDITIONAL INFORMATION.
6. EXISTING VENT THROUGH ROOF

1 / A1.03 Roof Demolition Plan

1/4" = 1'-0"

NORTH

Date	12/28/20
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ROOF DEMOLITION PLAN

Interior Renovations

VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

Job No. 4.1523.01

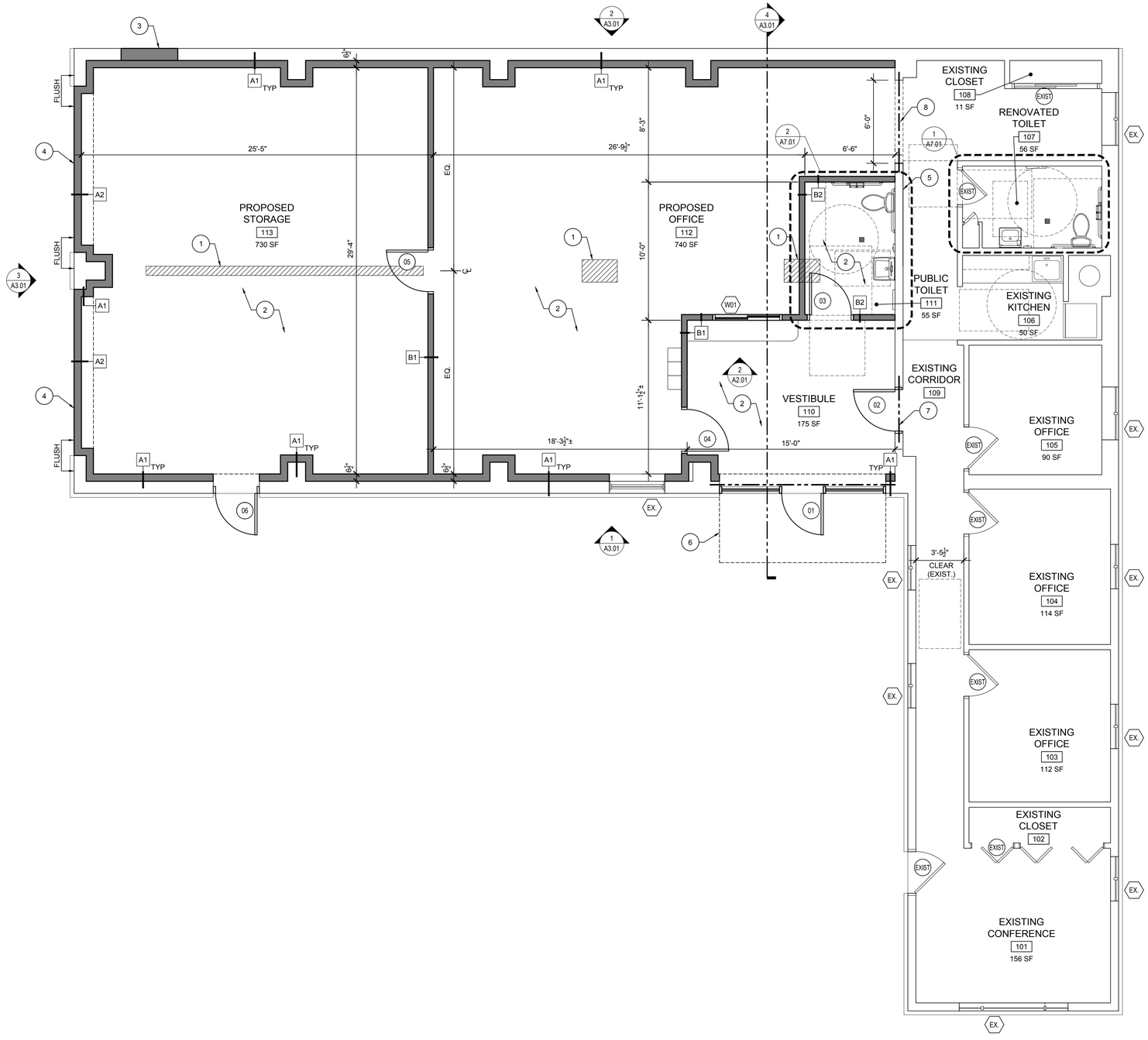
File No. 4152301A103

A1.03

Construction Key Notes

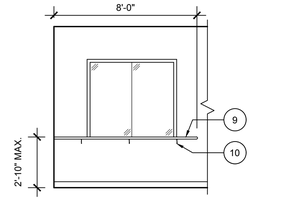
(#) SYMBOL INDICATES CONSTRUCTION KEY NOTE

1. CONTRACTOR SHALL CAP EXISTING PLUMBING LINES AND COMPLETELY FILL EXISTING TRENCH WITH CONCRETE SO THAT IT IS EVEN, LEVEL AND FLUSH WITH TOP OF EXISTING ADJACENT CONCRETE SLAB.
2. CONTRACTOR SHALL INSTALL SELF LEVELING UNDERLAYMENT. PREPARE EXISTING CONCRETE SLAB IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REFER TO SPECIFICATION SECTION 035416 FOR ADDITIONAL INFORMATION.
3. CONTRACTOR SHALL FURNISH AND INSTALL CONCRETE BLOCK AND INFILL MASONRY OPENING. CONTRACTOR SHALL SAW-TOOTH NEW BLOCK INTO EXISTING BLOCK TO CREATE A SEAMLESS TRANSITION. REFER TO DETAIL 1/A8.01 FOR ADDITIONAL INFORMATION.
4. CONTRACTOR SHALL INFILL OPENING WITH WALL TYPE AS SPECIFIED. CONTRACTOR SHALL COORDINATE LOCATION OF WALL WITH THE EXISTING EXTERIOR SURFACE OF THE EXISTING WALL. INSTALLATION SHALL BE FLUSH, LEVEL, AND EVEN WITH EXISTING EXTERIOR WALL SURFACE.
5. PATCH WALL TO MATCH AT ABANDONED RETURN AIR GRILLE. NEW PATCH SHALL BE SMOOTH, LEVEL, AND FLUSH WITH EXISTING ADJACENT WALL SURFACE.
6. LINE OF PROPOSED CANOPY ABOVE. REFER TO SPECIFICATION SECTION 013125 FOR ADDITIONAL INFORMATION.
7. NEW LINTEL ABOVE EXISTING OPENING SHALL BE L4X3-1/2X1/4 LLV DOUBLE ANGLES. STEEL ANGLE TO BEAR 8" MINIMUM BEYOND OPENING. GROUT WALL SOLID UNDER BEARING FOR FULL HEIGHT OF OPENING.
8. NEW LINTEL ABOVE EXISTING OPENING SHALL BE L5X3-1/2X5/16 LLV DOUBLE ANGLES. STEEL ANGLE TO BEAR 8" MINIMUM BEYOND OPENING. GROUT WALL SOLID UNDER BEARING FOR FULL HEIGHT OF OPENING.
9. CONTRACTOR SHALL FURNISH AND INSTALL 18" DEEP, 1-1/2" SOLID SURFACE COUNTER. HEIGHT SHALL BE 2'-10" MAXIMUM ABOVE FINISH FLOOR.
10. CONTRACTOR SHALL FURNISH AND INSTALL CONCEALED ARM SUPPORT BRACKETS, MODEL # "EH-1212FM" AS MANUFACTURED BY "RAKKS"; OR APPROVED EQUAL. SPACING SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.



1 A2.01 — Proposed Floor Plan
1/4" = 1'-0"

NORTH



2 A2.01 — Counter Elevation
1/4" = 1'-0"

Date	12/28/20
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PROPOSED FLOOR PLAN
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

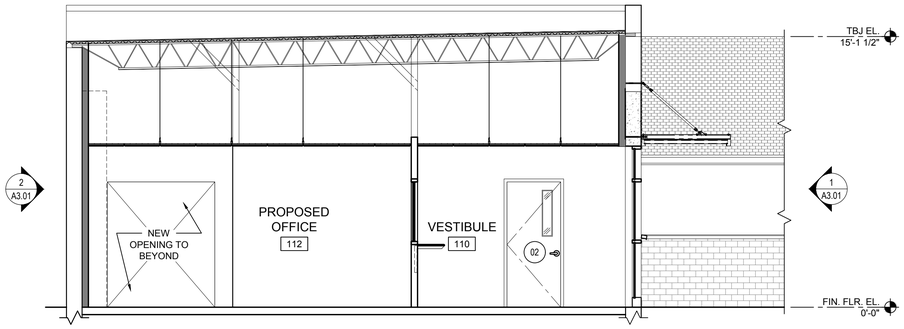
Job No. 4.1523.01
File No. 4152301A201

A2.01

Construction Key Notes

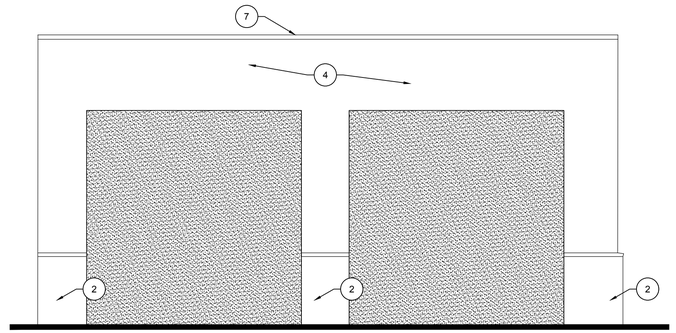
(#) SYMBOL INDICATES CONSTRUCTION KEY NOTE

1. CONTRACTOR TO FURNISH AND INSTALL NEW THERMALLY BROKEN STOREFRONT SYSTEM. REFER TO SPECIFICATION SECTION 084313 FOR ADDITIONAL INFORMATION.
2. EXISTING BRICK TO REMAIN.
3. EXISTING WALL MOUNTED LIGHT FIXTURE TO REMAIN.
4. EXISTING PLASTER FINISH TO REMAIN.
5. ADD ALTERNATE #1 - REPAIR EXISTING PLASTER CRACKS. REFER TO SPECIFICATION SECTION 012300 FOR ADDITIONAL INFORMATION.
6. CONTRACTOR SHALL FURNISH AND INSTALL NEW CANOPY.
7. EXISTING METAL COPING BY OTHERS.
8. CONTRACTOR TO FURNISH AND INSTALL NEW 5" ALUMINUM "A" STYLE GUTTER. REFER TO SPECIFICATION SECTION 076200 FOR ADDITIONAL INFORMATION.
9. CONTRACTOR TO FURNISH AND INSTALL NEW 4" ALUMINUM DOWNSPOUT. REFER TO SPECIFICATION SECTION 076200 FOR ADDITIONAL INFORMATION.
10. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING PAINT AND EXISTING PARGING FROM ENTIRE FACE OF WALL. REFER TO SPECIFICATION SECTIONS 040110 AND 040120 FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL RE-POINT ALL DAMAGED MASONRY JOINTS. CONTRACTOR SHALL REVIEW EXTENT OF RE-POINTING IN FIELD WITH ARCHITECT. CONTRACTOR SHALL REPARGE ENTIRE WALL. CONTRACTOR SHALL REPAINT ENTIRE WALL.
11. CONTRACTOR SHALL REMOVE MECHANICAL ITEMS PER DEMOLITION PLAN ON SHEET A1.01 AND PATCH WALL TO MATCH IN LIKE AND KIND.
12. CONTRACTOR SHALL REMOVE EXISTING WINDOW PER DEMOLITION NOTE 4 ON SHEET A1.01 AND PATCH WALL TO MATCH IN LIKE AND KIND.
13. EXISTING ELECTRICAL METER TO REMAIN.
14. EXISTING CONDUIT AND BRACKETS TO REMAIN. CONTRACTOR SHALL SCRAPE EXISTING PAINT, PRIME, AND PAINT TO MATCH WALL COLOR.
15. APPROXIMATE GRADE.
16. NEW FRESH AIR INTAKE. COORDINATE INSTALLATION WITH MECHANICAL SHEETS.



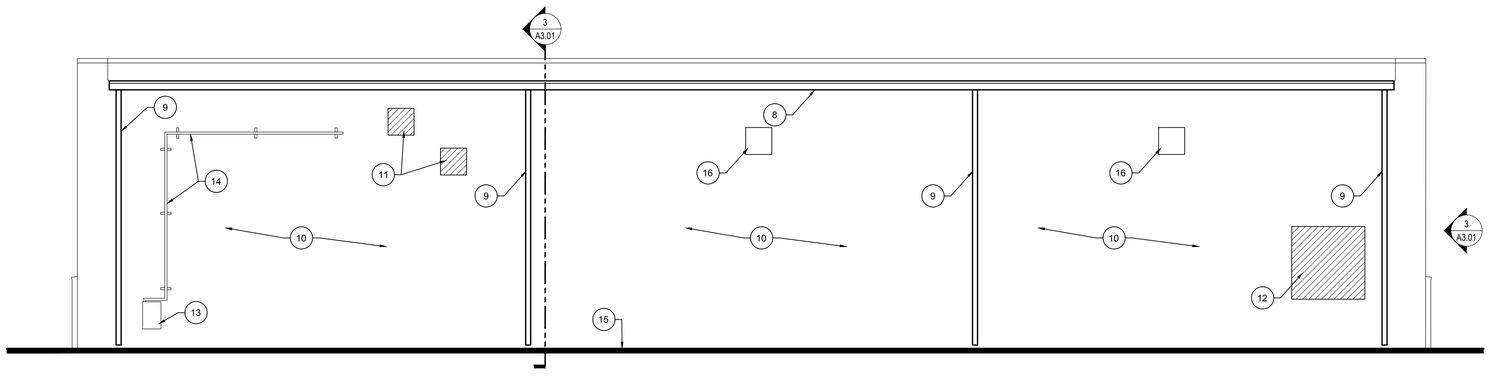
4 A3.01 Proposed Building Section

1/4" = 1'-0"



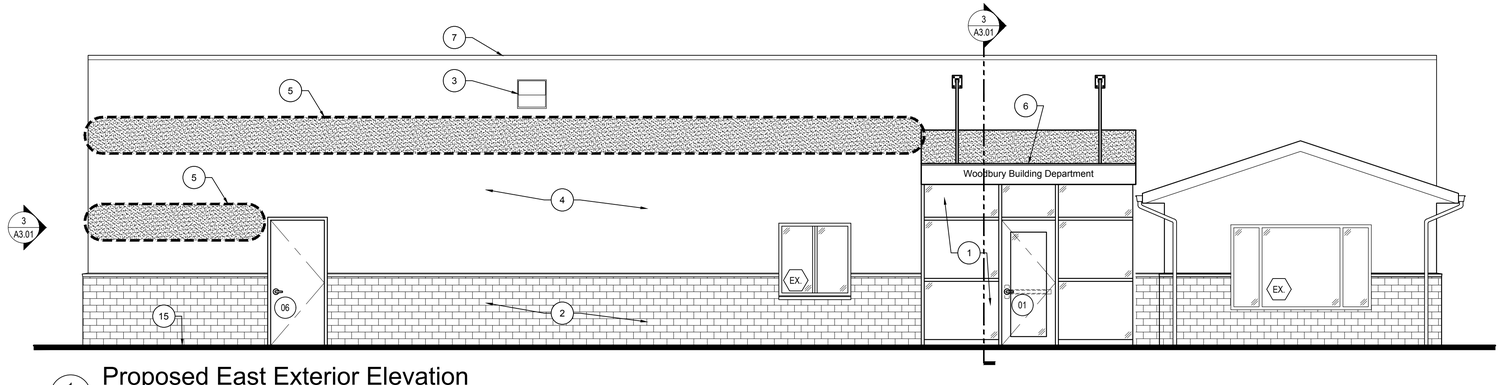
3 A3.01 Proposed South Exterior Elevation

1/4" = 1'-0"



2 A3.01 Proposed West Exterior Elevation

1/4" = 1'-0"



1 A3.01 Proposed East Exterior Elevation

1/4" = 1'-0"

Date	12/28/20
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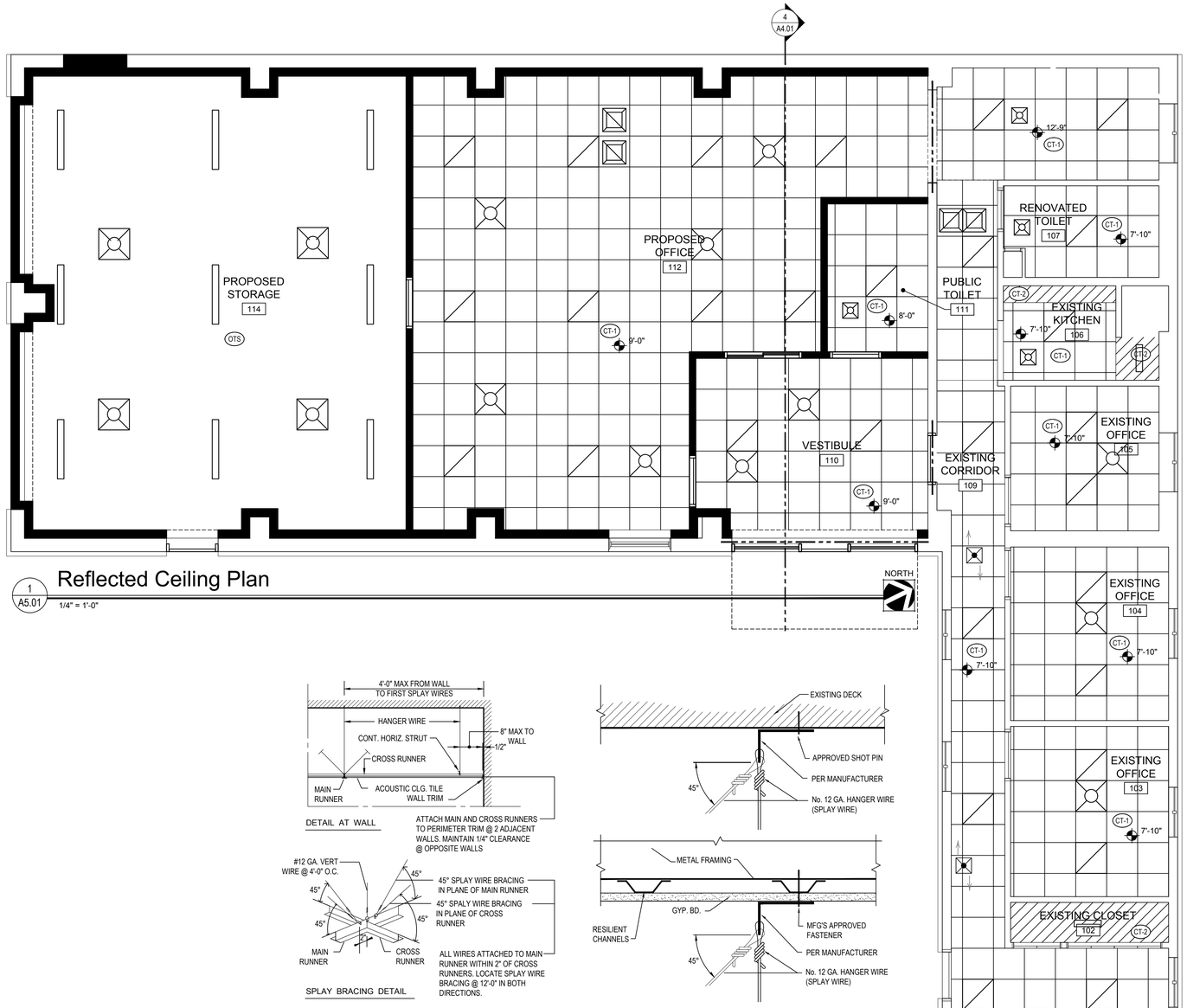
PROPOSED ELEVATIONS
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

Job No. 4.1523.01
File No. 4152301A301

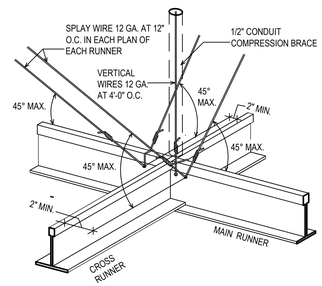
A3.01



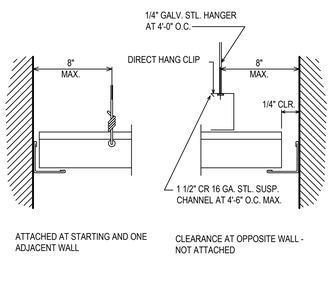
1 A5.01 **Reflected Ceiling Plan**
1/4" = 1'-0"

E A5.01 **Typ. Seismic Bracing Detail**
3/8" = 1'-0" SUSPENSION CEILING SYSTEM

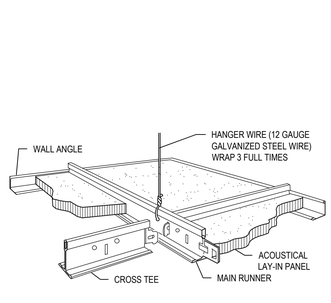
F A5.01 **Typ. Hanger Wire Detail**
1-1/2" = 1'-0" SUSPENSION CEILING SYSTEM



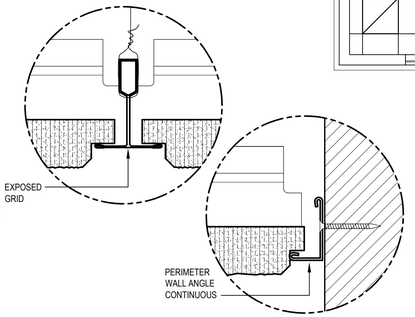
A A5.01 **Typ. Susp. Ceiling Detail**
1-1/2" = 1'-0" SUSPENSION CEILING SYSTEM



B A5.01 **Typ. Clng. Moulding Detail**
1-1/2" = 1'-0" SUSPENSION CEILING SYSTEM



C A5.01 **Typ. Susp. Ceiling System**
1-1/2" = 1'-0" ACOUSTIC PANEL SUSP. SYSTEM



D A5.01 **Typ. Susp. System Profiles**
1-1/2" = 1'-0" ACOUSTIC PANEL SUSP. SYSTEM

Ceiling Types

MARK	DESCRIPTION	SYMBOL
CT-1	ARMSTRONG 2'x2'x⅝" "ULTIMA" BEVELED TEGULAR ACOUSTIC CEILING TILE W/ ARMSTRONG "SUPRAFINE" 9/16" EXPOSED TEE GRID	
CT-2	EXISTING GWB SOFFIT - PAINT	
OTS	OPEN TO STRUCTURE ABOVE PAINT EXISTING EXPOSED METAL DECK SURFACE AND EXISTING BAR JOISTS IN COLOR AS SELECTED BY OWNER.	

Symbol Legend

SYMBOL	DESCRIPTION
0'-0"	DATUM: FINISH CEILING HEIGHT ABOVE FINISH FLOOR
CT-#	CEILING TYPE (REFER TO CEILING TYPES SCHEDULE)
	LIGHTING FIXTURES - REFER TO ELECTRICAL PLANS FOR EXACT LIGHTING FIXTURE LOCATIONS. CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR CEILING DIFFUSER LOCATIONS.
	CEILING MOUNTED EQUIPMENT - REFER TO ELECTRICAL PLANS FOR EXACT FIXTURE LOCATIONS. CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR CEILING DIFFUSER LOCATIONS. MECHANICAL DIFFUSERS - REFER TO MECHANICAL PLANS FOR EXACT CEILING DIFFUSER LOCATIONS. CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR LIGHT FIXTURE LOCATIONS.

Typical Ceiling Notes

1. ALL ACCESS PANELS, HVAC GRILLES AND REGISTERS, SHALL BE PAINTED TO MATCH CEILING FINISHES.
2. ALL AREAS NOT DEPICTED AS CEILING TILE SHALL BE OPEN TO ABOVE UNLESS OTHERWISE NOTED.
3. ALL CONTRACTORS (I.E. MECHANICAL, ELECTRICAL, PLUMBING) ARE REQUIRED TO COORDINATE THEIR WORK WITH INDIVIDUAL CEILING FINISHES. ALL DISTURBED AREAS RESULTING FROM CONTRACTORS OPERATIONS SHALL BE PATCHED AND DAMAGED AREAS AS A RESULT OF CONTRACTORS OPERATIONS SHALL BE PATCHED AND REPAIRED TO MATCH.
4. FIELD VERIFY ALL DIMENSIONS AND CLEARANCES. COORDINATE INSTALLATION OF LIGHTING, EQUIPMENT, MECHANICAL DUCTWORK, ETC. TO ENSURE PROPER INSTALLATION.
5. ALL COLORS AND PATTERNS TO BE SELECTED BY OWNER, TYPICAL.
6. CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY ACCESSORIES INCLUDING PERIMETER MOLDINGS, FASTENERS, SUPPORT WIRES, TRIM, ETC. FOR A COMPLETE INSTALLATION.
7. ALL LIGHTING FIXTURES SHOWN ON REFLECTED CEILING PLAN ARE SHOWN FOR DIAGRAMMATIC PURPOSES ONLY, REFER TO ELECTRICAL LIGHTING PLAN FOR ACTUAL LOCATIONS.
8. REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
9. PAINT ALL EXISTING GWB SOFFITS PER SPECIFICATION SECTION 099123.

Date	12/28/20
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REFLECTED CEILING PLAN, NOTES & DETAILS
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

Job No. 4.1523.01
File No. 4152301_A501

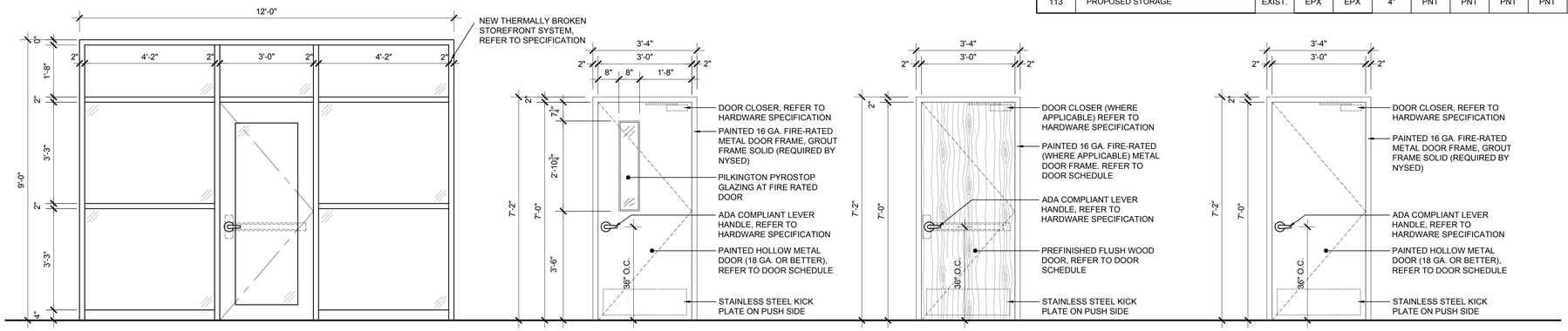
A5.01

DOOR SCHEDULE

DOOR NO.	DOOR TYPE	ROOM NAME/ NUMBER	DOOR						FRAME				SILL	HARDWARE (SEE SPECIFICATIONS)			NOTES
			ACTION	MATERIAL	DOOR FINISH	DOOR SIZE		VISION PANEL	DETAIL NO.				DETAIL NO.	HARDWARE SET	CLOSER	PANIC	
						WIDTH	HEIGHT		MAT.	HEAD	JAMB						
FIRST FLOOR																	
01	A	VESTIBULE	SINGLE SWING	ALUM	FACTORY FINISH	3'-0"	7'-0"	■	ALUM	_/A_.__	_/A_.__	_/A_.__			■	■	
02	B	VESTIBULE	SINGLE SWING	HM	PAINTED	3'-0"	7'-0"	■	MTL						■	■	
03	C	PUBLIC TOILET	SINGLE SWING	WOOD	STAINED	3'-0"	7'-0"		MTL								
04	B	VESTIBULE	SINGLE SWING	HM	PAINTED	3'-0"	7'-0"	■	MTL						■	■	
05	C	PROPOSED STORAGE	SINGLE SWING	WOOD	STAINED	3'-0"	7'-0"		MTL								
06	D	PROPOSED STORAGE	SINGLE SWING	HM	PAINTED	3'-0"	7'-0"		MTL						■	■	

INTERIOR FINISH SCHEDULE

ROOM NO.	ROOM NAME	SUB-FLOOR	FLOOR FINISH	BASE	BASE HEIGHT	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	SIGNAGE SET	NOTES	CEILING	CEILING HEIGHT	ROOM NO.
FIRST FLOOR														
101	EXISTING CONFERENCE	EXIST.	CPT	VB	4"	PNT	PNT	PNT	PNT	PNT		ACT	7'-10"	101
102	EXISTING CLOSET	EXIST.	CPT	VB	4"	PNT	PNT	PNT	PNT	PNT		GWB	7'-10"	102
103	EXISTING OFFICE	EXIST.	CPT	VB	4"	PNT	PNT	PNT	PNT	PNT		ACT	7'-10"	103
104	EXISTING OFFICE	EXIST.	CPT	VB	4"	PNT	PNT	PNT	PNT	PNT		ACT	7'-10"	104
105	EXISTING OFFICE	EXIST.	CPT	VB	4"	PNT	PNT	PNT	PNT	PNT		ACT/ GWB	7'-10"	105
106	EXISTING KITCHEN	EXIST.	EXIST.	VB	4"	PNT	PNT	PNT	PNT	PNT		ACT	7'-10"	106
107	RENOVATED TOILET	EXIST.	EPX	EPX	4"	PNT	PNT	PNT	PNT	PNT		ACT	7'-10"	107
108	EXISTING CLOSET	EXIST.	EXIST.	EXIST.	4"	PNT	PNT	PNT	PNT	PNT		ACT	7'-10"	108
109	EXISTING CORRIDOR	EXIST.	CPT/ EXIST.	VB	4"	PNT	PNT	PNT	PNT	PNT		ACT	7'-10"	109
110	VESTIBULE	EXIST.	EPX	EPX	4"	PNT	PNT	PNT	PNT	PNT		ACT	9'-0"	110
111	PUBLIC TOILET	EXIST.	EPX	EPX	4"	PNT	PNT	PNT	PNT	PNT		ACT	8'-0"	111
112	PROPOSED OFFICE	EXIST.	CPT	VB	4"	PNT	PNT	PNT	PNT	PNT		ACT	9'-0"	112
113	PROPOSED STORAGE	EXIST.	EPX	EPX	4"	PNT	PNT	PNT	PNT	PNT		OTA	VARIES	113



Door Types

A6.01

N.T.S.

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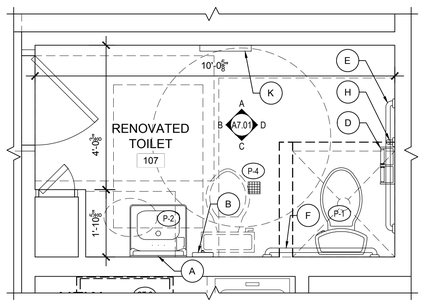
FINISH & DOOR SCHEDULE, DOOR TYPES
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

Job No. 4.1523.01

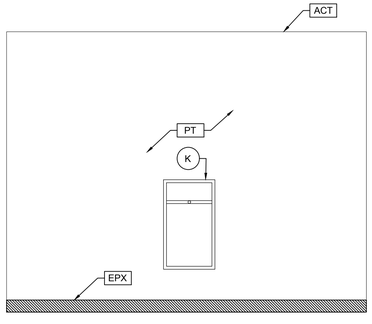
File No. 4152301A601

A6.01



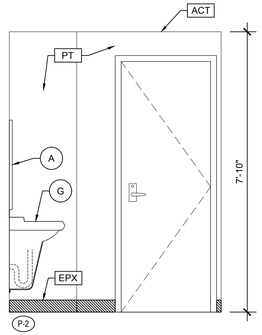
1 / A7.01 Enlarged Toilet Room - 107

1/2" = 1'-0"



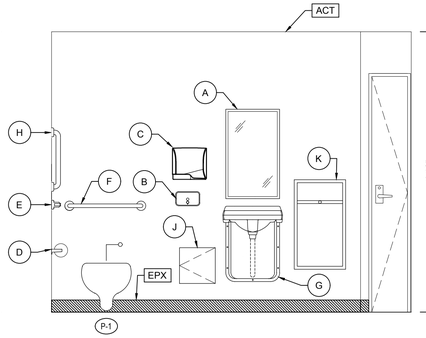
A Interior Elevation

1/2" = 1'-0"



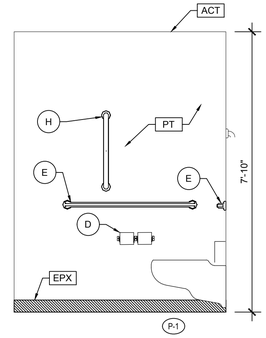
B Interior Elevation

1/2" = 1'-0"



C Interior Elevation

1/2" = 1'-0"



D Interior Elevation

1/2" = 1'-0"

TOILET FIXTURE & ACCESSORY SCHEDULE

- (A) ADA TILT MIRROR: "AMERICAN SPECIALTIES, INC. (ASI) MODEL #0535 18"X30" S.S. FIXED ANGLE TILT MIRROR.
- (B) SOAP DISPENSER: "AMERICAN SPECIALTIES, INC." (ASI) MODEL #9343 SURFACE MOUNTED SOAP DISPENSER.
- (C) HAND DRYER: "AMERICAN SPECIALTIES, INC." (ASI) MODEL #0199-1 ADA COMPLIANT SURFACE MOUNTED DRYER. SATIN STAINLESS STEEL. 120V.
- (D) TOILET TISSUE DISPENSER: (PROVIDED BY OWNER, INSTALLED BY CONTRACTOR) "AMERICAN SPECIALTIES, INC." (ASI) MODEL #0264-1A SURFACE MOUNTED DOUBLE ROLL TOILET TISSUE HOLDER.
- (E) 42" HORIZONTAL GRAB BAR: "AMERICAN SPECIALTIES, INC." (ASI), MODEL #3800, STAINLESS STEEL 1-½" DIAMETER PEENED NON-SLIP GRIPPING SURFACE WITH POLISHED FLANGE- SEE DETAIL A1/A7.02. (SIDE BAR)
- (F) 36" HORIZONTAL GRAB BAR: "AMERICAN SPECIALTIES, INC." (ASI), MODEL #3800, STAINLESS STEEL 1-½" DIAMETER PEENED NON-SLIP GRIPPING SURFACE WITH POLISHED FLANGE- SEE DETAIL A/A7.01. (REAR BAR)
- (G) LAVATORY PROTECTIVE ENCLOSURE "LAV SHIELD" BY "TRUEBRO INC.". MODEL #2018-AS-C. PROVIDE AN ENCLOSURE AT EACH LAVATORY.
- (H) 18" VERTICAL GRAB BAR: "AMERICAN SPECIALTIES, INC." (ASI), MODEL #3800, STAINLESS STEEL 1-½" DIAMETER PEENED NON-SLIP GRIPPING SURFACE WITH POLISHED FLANGE- SEE DETAIL A1/A7.02.
- (J) 12" X 12" STAINLESS STEEL ACCESS DOOR
- (K) WASTE RECEPTACLE: "AMERICAN SPECIALTIES, INC." (ASI) MODEL #28206 SURFACE MOUNTED WASTE RECEPTACLE

FINISH LEGEND

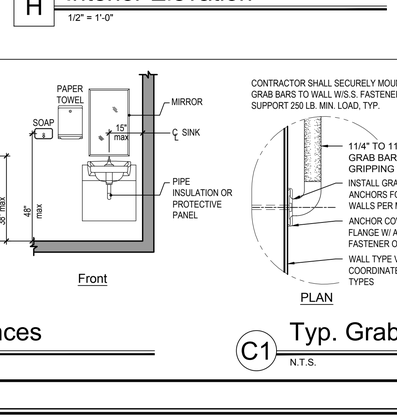
ACT	ACOUSTIC CEILING TILE: REFER TO REFLECTED CEILING PLAN ON A5.01 FOR CEILING TYPES (CT-1)
PT	PAINT WALLS - (1) PRIMER COAT & (2) FINISH COATS. SEE WALL TYPES AND FINISH SCHEDULE. COLOR AS SELECTED BY OWNER. SEE SPECIFICATION SECTION 099123 FOR ADDITIONAL INFORMATION.
EPX	3/16" THICK HYBRID-FLEX EC FLOORING BY DUR-A-FLEX, EARTHSTONE CHIP BLEND OR MACRO CHIP COLOR OR APPROVED EQUAL. INTREGRAL COVE BASE IN THESE SPACES.

2 / A7.01 Enlarged Toilet Room -111

1/2" = 1'-0"

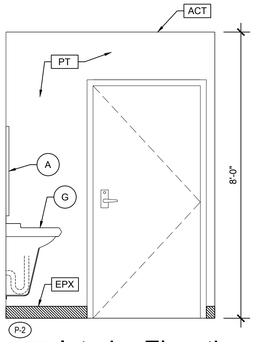
E Interior Elevation

1/2" = 1'-0"



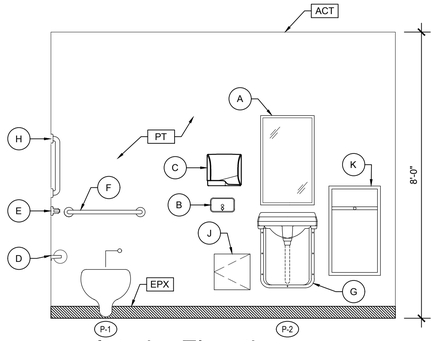
F Interior Elevation

1/2" = 1'-0"



G Interior Elevation

1/2" = 1'-0"



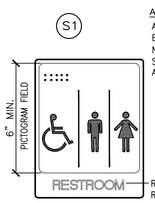
H Interior Elevation

1/2" = 1'-0"

ADA ROOM SIGNAGE

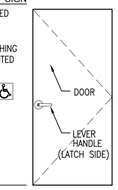
1. LETTERS AND NUMERALS MUST BE RAISED 1/32" FROM SIGN SURFACE.
2. CHARACTER HEIGHT MUST BE AT LEAST 5/8" BUT NOT EXCEED2".
3. TYPE STYLE FOR LETTERS AND NUMBERS SHALL BE SANS SERIF OR SIMPLE SERIF.
4. WORDS AND NUMBERS MUST BE CONVERTED INTO GRADE 2 BRAILLE, AND BE APPLIED TO SIGN.
5. PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW PICTOGRAM.

S1



ACCESSIBILITY SIGN

A.N.S.I. APPROVED
E.S. PLASTIC
NEMA RATED
SELF EXTINGUISHING
ADHESIVE MOUNTED



SIGNAGE NOTES:
1. ALL SIGNAGE SHALL CONFORM WITH THE ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES GUIDELINES IN ACCORDANCE WITH ICC/ANSI A117.1–2009

2. CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED SIGNAGE. COORDINATE ROOM NAMES AND NUMBERS WITH FINISH SCHEDULE AND OWNER'S REQUIREMENTS, TYPICAL.

3. APPROXIMATE SIZE OF ADA ROOM SIGNAGE IS 6" X 6" FOR CLASSROOMS AND 6" X 8" FOR TOILET ROOMS WITH PICTOGRAMS. SIZE MAY CHANGE UPON NUMBER OF CHARACTERS. REFER TO SPECIFICATION SECTION AND ICC/ANSI A117.1–1998.

WOOD BLOCKING NOTE

CONTRACTOR SHALL PROVIDE P.T. BLOCKING FOR ALL TOILET ROOMS ACCESSORIES PROVIDED AS PART OF THE CONTRACT AND THOSE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. THIS SHALL INCLUDE BUT NOT BE LIMITED TO TOILET PARTITIONS, GRAB BARS AND ALL ACCESSORIES MOUNTED TO THE WALL.

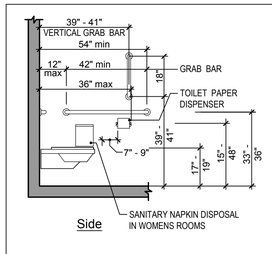
TYPICAL TOILET ROOM NOTES

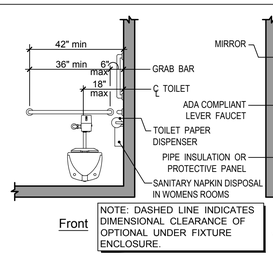
1. CONTRACTOR TO COORDINATE EXACT LOCATIONS OF ALL TOILET ROOM ACCESSORIES WITH OWNER PRIOR TO INSTALLATION. SEE REFLECTED CEILING PLAN ON A5.01 FOR CEILING TYPES (CT-1)
2. THE CONTRACTOR SHALL SECURELY FASTEN ALL FIXTURES AND ACCESSORIES AT PROPER MOUNTING HEIGHTS.
3. CONTRACTOR SHALL PROVIDE ADEQUATE BLOCKING AT APPROPRIATE MOUNTING HEIGHTS AS REQUIRED FOR ALL ACCESSORIES INCLUDED IN THIS CONTRACT INCLUDING ACCESSORIES SUPPLIED BY OWNER. CONTRACTOR SHALL PROVIDE ALL FASTENERS, ANCHORS, PLATES, ETC. REQ'D. FOR COMPLETE INSTALLATION. ALL FASTENERS SHALL BE STAINLESS STEEL, CORROSION AND VANDAL RESISTANT.
4. WHENEVER BRAND NAMES OR SPECIFIC PRODUCT SYSTEMS ARE INDICATED IT SHALL BE CLEARLY UNDERSTOOD THAT SUCH IDENTIFICATION IS FOR THE PURPOSE OF ILLUSTRATING THE TYPE OF PRODUCT AND DEGREE OF QUALITY DESIRED. SUCH IDENTIFICATION IN NO WAY PRECLUDES THE CONTRACTOR FROM USING PRODUCTS OF OTHER MANUFACTURERS WHICH CAN BE SHOWN IN ADVANCE TO BE OF LIKE KIND AND OF EQUAL QUALITY.
5. REFER TO PLUMBING FIXTURE SCHEDULE FOR SPECIFIC PLUMBING FIXTURE SPECIFICATIONS. REFER TO PLUMBING DRAWINGS FOR PIPING LAYOUT.
6. CONTRACTOR SHALL FURNISH AND INSTALL ALL ADA SIGNAGE AS REQUIRED.
7. DIMENSIONS ARE FROM FACE OF FINISH MATERIALS, AND REPRESENT CLEAR AREA.
8. CONTRACTOR TO PROVIDE GRAB BAR ANCHORS FOR SOLID WALL CONSTRUCTION AND CONCEALED ANCHOR PLATE FOR STUD WALL CONSTRUCTION. REFER TO TYPICAL GRAB BAR DETAIL D1/A7.02.
9. ALL TOILET ROOM ACCESSORIES SHALL BE STAINLESS STEEL.
10. CONTRACTOR SHALL PROVIDE ALL FASTENERS, ANCHORS, PLATES, ETC. REQ'D FOR COMPLETE INSTALLATION.
11. ALL FASTENERS SHALL BE STAINLESS STEEL, CORROSION AND VANDAL RESISTANT.
12. 12. COLOR OF ALL PLUMBING FIXTURES SHALL BE SELECTED BY OWNER.

TOILET FIXTURE SCHEDULE

- (P-1) WALL-MOUNTED WATER CLOSET: SEE PLUMBING SCHEDULE FOR ADDITIONAL INFO.
- (P-2) ADA LAVATORY (WALL HUNG): SEE PLUMBING SCHEDULE FOR ADDITIONAL INFORMATION.
- (P-3) SINK: SEE PLUMBING SCHEDULE FOR ADDITIONAL INFORMATION.
- (P-4) 3" FLOOR DRAIN: SEE PLUMBING SCHEDULE FOR ADDITIONAL INFORMATION.

NOTE: CONTRACTOR TO PROVIDE ALL CONCEALED ARM CHAIR SUPPORTS FOR ALL PLUMBING FIXTURES REQUIRED.

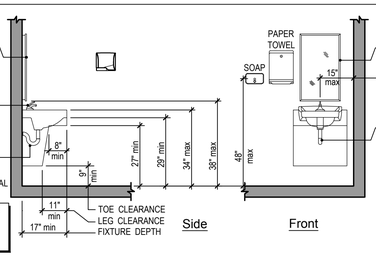




NOTE: DASHED LINE INDICATES DIMENSIONAL CLEARANCE OF OPTIONAL UNDER FIXTURE ENCLOSURE.

A1 Watercloset Clearances

N.T.S.

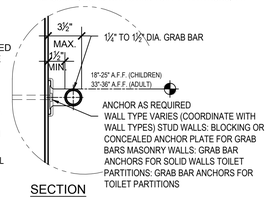


B1 Lavatory Clearances

N.T.S.

CONTRACTOR SHALL SECURELY MOUNT GRAB BARS TO WALL W/S.S. FASTENERS TO SUPPORT 250 LB. MIN. LOAD, TYP.

INSTALL GRAB BAR ANCHORS, BLOCKING AND/OR CONCEALED ANCHOR PLATES AS REQUIRED FOR STUD, MASONRY, SOLID WALLS AND TOILET PARTITIONS, TYP.



C1 Typ. Grab Bar Details

N.T.S.

Date	12/28/20
Checked	CC
Drawn	TH

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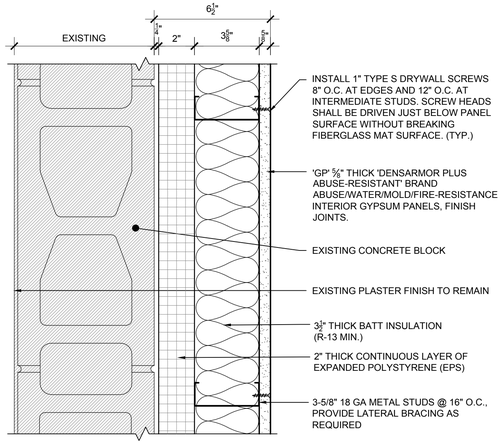
PROPOSED INTERIOR ELEVATIONS
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

Job No. 4.1523.01

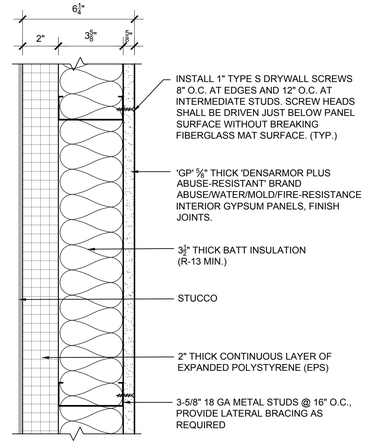
File No. 4152301_A701

A7.01



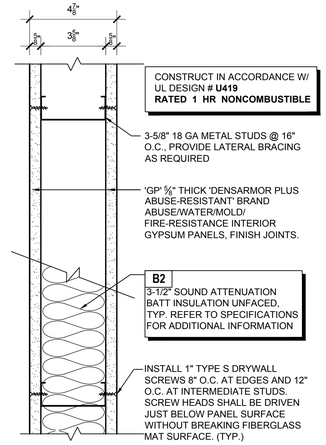
A1 Wall Type

3" = 1'-0" — AT EXISTING EXTERIOR WALLS



A2 Wall Type

3" = 1'-0" — EXTERIOR INFILL WALL



B1 Wall Type

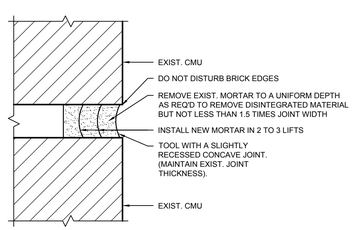
3" = 1'-0" — INTERIOR PARTITION

5 A8.01 Partition Types

3" = 1'-0"

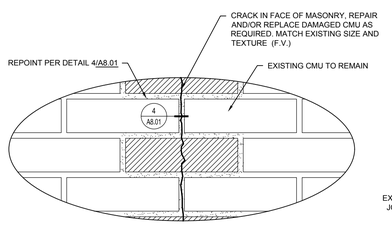
BRICK RE-POINTING CORRECTIVE PROCEDURE:

1. CLEAN OUT CRACK OF ALL LOOSE MORTAR, BRICK, CONTAMINANTS, AND IMPURITIES.
2. ROUT CRACK TO 1/8" MIN. WIDTH.
3. PRIME ALL SURFACES TO RECEIVE SEALANT, WITH APPROVED PRIMER, AS PER SEALANT MANUFACTURER'S SPECIFICATIONS.
4. MASK ALL ADJOINING SURFACES WITH TAPE TO ENSURE A NEAT JOB AND TO PROTECT ADJOINING SURFACES.
5. INSERT BACKUP MATERIAL INTO JOINT.
6. APPLY SEALANT.
7. REMOVE MASKING TAPE IMMEDIATELY AFTER THE FINISH TOOLING OF THE SEALANT IS ACCOMPLISHED AND BEFORE THE SEALANT BEGINS TO CURE.
8. THE SEALANT SHALL MEET FEDERAL SPEC. TT-S-00230C TYPE II, CLASS A. THE SEALANT SHALL BE APPLICABLE IN VERTICAL JOINTS. COLOR OF THE SEALANT SHALL MATCH COLOR OF EXIST. BRICK.



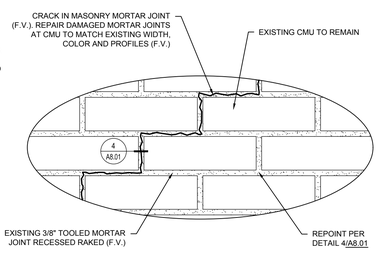
4 A8.01 CMU Repointing Detail

N.T.S.



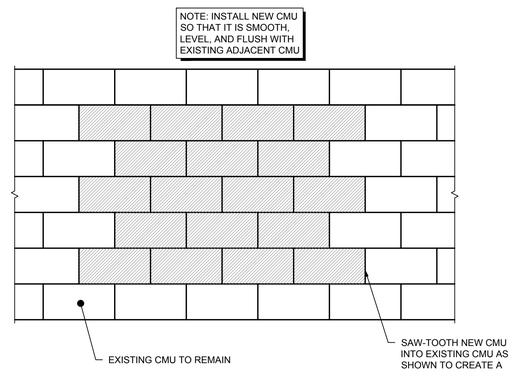
3 A8.01 Cracked CMU Repair/Repointing

N.T.S.



2 A8.01 Repointing/Joint Repair

N.T.S.



1 A8.01 Saw-Tooth CMU Detail

N.T.S.

Date 12/28/20
Checked MJM
Drawn CC

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Revisions:

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DETAILS
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

Job No. 4.1523.01
File No. 4152301A801

A8.01

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE NEW YORK STATE ENERGY CODE, INTERNATIONAL MECHANICAL CODE, ASHRAE GUIDELINES, SMACNA, COUNTY GUIDELINES, NEC, NATIONAL STANDARD PLUMBING CODE, AND ALL OTHER APPLICABLE CODES, ORDINANCES, ETC. FOR NEW YORK STATE AND THE LOCAL AUTHORITY HAVING JURISDICTION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND FAMILIARIZING HIMSELF WITH THE EXISTING CONDITIONS AND SCOPE OF THE WORK PRIOR TO SUBMITTING BIDS AND COMMENCING WORK, AND INCLUDE ALL SUCH NECESSARY WORK BASED ON THIS SITE FAMILIARIZATION IN THIS BID.
3. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SAFE WORKING CONDITIONS AND SHALL OBSERVE ALL SAFETY REQUIREMENTS ESTABLISHED BY JURISDICTIONAL AGENCIES AND THE OWNER. WHERE CONFLICTS EXIST, THE MORE STRINGENT REQUIREMENT SHALL APPLY. CARE SHALL BE EXERCISED TO AVOID ENDANGERING PERSONNEL OR STRUCTURES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION METHODS, PROCEDURES AND JOB SITE CONDITIONS INCLUDING SAFETY. CONSTRUCTION SHALL BE PERFORMED IN SUCH A MANNER TO PROTECT WORKMEN, OCCUPANTS AND THE PUBLIC FROM INJURY AND ADJOINING PROPERTY SHALL BE PROTECTED FROM DAMAGE BY USE OF SCAFFOLDING, UNDERPINNING OR OTHER APPROVED METHOD. THE CONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE CAUSED DURING OR RESULTING FROM HIS OPERATIONS IN KIND TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
5. CONTRACTOR SHALL MAINTAIN THE JOB SITE IN A CLEAN, DEBRIS FREE CONDITION. THE DUST RESULTING FROM REMOVALS SHALL BE CONTROLLED SO AS TO PREVENT ITS SPREAD TO OCCUPIED PORTIONS OF THE BUILDING AND TO AVOID CREATION OF A NUISANCE IN THE SURROUNDING AREA.
6. CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS, FEES, APPROVALS, ETC. PRIOR TO COMMENCING WORK AND SHALL SECURE CERTIFICATE OF OCCUPANCY UPON COMPLETION OF WORK.
7. CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLISHED MATERIAL OFF SITE IN AN APPROVED MANNER. THE OWNER SHALL BE CONSULTED PRIOR TO DISPOSAL OF ANY SALVAGED OR EXCESS MATERIALS AT THE COMPLETION OF THE PROJECT.
8. UPON COMPLETION OF WORK, ALL EXCESS MATERIAL, DEBRIS, ETC. SHALL BE REMOVED AND THE WORK AREA SHALL BE LEFT CLEAN TO THE OWNER'S SATISFACTION.
9. ALL WORK SHALL BE SCHEDULED IN COMPLIANCE WITH THE OWNER'S REQUIREMENTS FOR THE USE OF THE EXISTING FACILITY.
10. CONTRACTOR SHALL FURNISH ALL EQUIPMENT THAT MAY BE REQUIRED TO PERFORM THE WORK INDICATED IN A SAFE AND ORDERLY MANNER, AND AS NECESSARY FOR A PROPER OPERATIONAL SYSTEM.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION AND TEMPORARY SUPPORT OF ANY UTILITIES ENCOUNTERED DURING THE COURSE OF HIS WORK AND TO ENSURE THE OWNER'S FACILITY TO BE OPERATIONAL.
12. CONTRACTOR SHALL REVIEW DRAWINGS AND FIELD VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND ADDRESS ALL QUESTIONS TO ENGINEER PRIOR TO COMMENCING WORK.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, PATCHING, FILLING AND CLEANING UPON COMPLETION OF WORK.
14. CONTRACTOR SHALL NOT SCALE DRAWINGS FOR DIMENSIONS. ALL WRITTEN OR DIMENSIONED INFORMATION TAKES PRECEDENCE OVER THE DRAWING.
15. CONTRACTOR SHALL SUBMIT, WHERE REQUIRED BY THE ARCH/ENGR, SHOP DRAWINGS AND SUBMITTALS FOR APPROVAL PRIOR TO THE START OF FABRICATION OF THOSE ITEMS. THIS INCLUDES ALL EQUIPMENT, SCHEMATIC DUCTWORK AND PIPING LAYOUT, ETC. CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL EQUIPMENT ETC WILL FIT (WITH PROPER MAINTENANCE CLEARANCES) AT ALL LOCATIONS. REVIEW OF SHOP DRAWINGS/SUBMITTALS BY THE ARCH/ENGR DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING THE CURRENT MODEL NUMBERS, TYPE, & FEATURES OF ALL EQUIPMENT'S & MATERIALS.
16. THE CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER WITH CERTIFICATES OF INSURANCE PRIOR TO STARTING THE WORK.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND BRACING OF EXISTING STRUCTURES AS NEEDED TO COMPLETE THE NEW WORK.
18. ALL MANUFACTURER'S MATERIALS, COMPONENTS, FASTENERS, ASSEMBLIES, ETC. SHALL BE HANDLED AND INSTALLED IN ACCORDANCE TO WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS. WHERE BRAND NAMES AND MANUFACTURED PRODUCTS ARE CALLED FOR, APPROVED EQUALS WHICH MEET APPLICABLE STANDARDS AND SPECIFICATIONS MAY BE SUBSTITUTED WITH WRITTEN PERMISSION OF THE ENGINEER AND THE OWNER. WHENEVER BRAND NAMES OR SPECIFIC PRODUCT SYSTEMS ARE INDICATED IT SHALL BE CLEARLY UNDERSTOOD THAT SUCH IDENTIFICATION IS FOR THE PURPOSE OF ILLUSTRATING THE TYPE OF PRODUCT AND DEGREE OF QUALITY DESIRED. SUCH IDENTIFICATION IN NO WAY PRECLUDES THE CONTRACTOR FROM USING PRODUCTS OF OTHER MANUFACTURERS WHICH CAN BE SHOWN IN ADVANCE TO BE OF LIKE AND OF EQUAL OR BETTER QUALITY.
19. ALL CHANGES SHALL BE REQUESTED IN WRITING AND MAY ONLY BE APPROVED IN WRITING BY THE ARCHITECT AND THE OWNER PRIOR TO ANY CHANGES BEING MADE.
20. THE ARCHITECT/ENGINEER HAS THE RIGHT TO REJECT ANY PORTION OF WORK THAT IS POORLY INSTALLED, DOES NOT MEET INDUSTRY STANDARD, UNAUTHORIZED, OR WORK DONE CONTRARY TO THE THE INTENT OF THE CONTRACT DOCUMENTS. SUCH WORK SHALL BE REPLACED, REPAIRED OR REMOVED AT THE CONTRACTOR'S EXPENSE.
21. CONTRACTOR SHALL GUARANTEE ALL HIS WORK AND THE WORK OF HIS SUBCONTRACTORS FOR A PERIOD OF TWO (2) YEARS AFTER RECEIVING FINAL ACCEPTANCE AND DO ALL REPAIR WORK AND REPLACEMENT AS NECESSARY DURING THAT PERIOD AT THE CONTRACTOR'S EXPENSE.
22. IN NO EVENT SHALL STRUCTURAL MEMBERS BE CUT OR DRILLED WITHOUT THE WRITTEN APPROVAL OF A LICENSED STRUCTURAL ENGINEER.
23. CONTRACTOR SHALL PROVIDE SAFE AND SANITARY CONDITIONS WHERE DEMOLITION AND WRECKING OPERATIONS ARE BEING CARRIED ON. WORK SHALL BE EXECUTED IN SUCH A MANNER THAT HAZARD FROM FIRE, POSSIBILITY OF INJURY, DANGER TO HEALTH AND CONDITIONS WHICH MAY CONSTITUTE A PUBLIC NUISANCE SHALL BE MINIMIZED.
24. ENGINEER/OWNER MAY ASK THE CONTRACTOR TO PROVIDE DETAILED SHOP DRAWINGS & SUBMITTALS OF ANY/ALL PARTS OF THIS PROJECT WHICH THE ENGINEER/OWNER DEEMS NECESSARY FOR.

HVAC GENERAL NOTES

1. PROCURE AND PAY ALL NECESSARY PERMITS AND LICENSES REQUIRED TO CARRY OUT THE WORK SHOWN. OBTAIN AND PAY FOR ALL FEES.
2. COMPLY WITH ALL FEDERAL, STATE AND MUNICIPAL LAWS AND CODES, ORDINANCES, RULES AND REGULATIONS OF HEALTH, PUBLIC OR OTHER AUTHORITIES CONTROLLING OR LIMITING THE METHODS, MATERIALS TO BE USED OR ACTIONS OF THOSE EMPLOYED.
3. GUARANTEE HVAC SYSTEM FOR A PERIOD OF TWO (2) YEARS FROM OWNER'S ACCEPTANCE TO BE FREE FROM DEFECTS AND REPAIR OR REPLACE, AT NO COST TO OWNER, FAILURES OR DEFECTS.
4. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL HIS DEBRIS.
5. BALANCE HVAC SYSTEM TO QUANTITIES INDICATED. CONTRACTOR TO SUBMIT FOUR (4) SETS OF AIR, WATER AND UNIT BALANCING REPORT TO ENGINEER/OWNER PRIOR TO FINAL ACCEPTANCE OF THE SYSTEM.
6. BIDDERS FOR THIS WORK SHALL VISIT THE PREMISES AND CAREFULLY EXAMINE ALL EXISTING CONDITIONS BEFORE SUBMITTING BIDS. NOT ALL EXISTING CONDITIONS HAVE BEEN IDENTIFIED ON DRAWINGS. CONTRACTOR SHALL NOTIFY ENGINEER. OF ALL DISCREPANCIES PRIOR TO SUBMITTING BID.
7. ALL BIDDERS SHALL ALSO FAMILIARIZE THEMSELVES WITH THE MEANS OF ENTRANCE AND EXIT AT THE PROPERTY AND ALL OTHER INFORMATION NECESSARY TO PROPERLY CARRY OUT THE WORK.
8. THE CONTRACTOR SHALL, WITH THE APPROVAL OF THE ENGINEER AND WITHOUT ADDITIONAL COST TO THE OWNER, MAKE ALL NECESSARY CHANGES OR MODIFICATIONS TO LOCATIONS AS MAY BE NECESSARY TO SUIT REQUIREMENTS AND CONDITIONS FOR THE PROPER AND CONVENIENTLY ACCESSIBLE LOCATIONS OF ALL PARTS OF EACH SYSTEM.
9. SMALL DETAILS ARE NOT USUALLY SHOWN OR SPECIFIED BUT NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OR WORK SHALL BE FURNISHED AND INSTALLED AT NO ADDITIONAL COST.
10. THE CONTRACTOR SHALL NOTE THAT ALL SERVICE CONNECTIONS MAY NOT BE SHOWN IN TRUE POSITIONS. EACH BIDDER IS CAUTIONED, THEREFORE, TO VERIFY SAME WITH FIELD CONDITIONS.
11. CONTRACTOR SHALL CHECK FOR INTERFERENCE AND VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OR INSTALLATION OF PIPING AND DUCTWORK.
12. IF AN ITEM OF EQUIPMENT OTHER THAN THE ITEM(S) SPECIFIED IS APPROVED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL COST ARISING OUT OF ADDITIONAL OR CHANGED GENERAL CONSTRUCTION AND MECHANICAL WORK REQUIRED TO ACCOMMODATE THE SUBSTITUTED EQUIPMENT.
13. ALL EQUIPMENT INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS DIRECTIONS AND RECOMMENDATIONS.
14. PROVIDE TWO (2) SETS OF SPARE FILTERS FOR THE INSTALLED MAU, AC UNITS, & OTHER EQUIPMENT.
15. PROVIDE TWO-YEAR PREVENTIVE & REGULAR MAINTENANCE SERVICE FOR ALL INSTALLED HVAC/MECHANICAL SYSTEM. THIS INCLUDES A MINIMUM OF TWO (2) PERIODIC SERVICE VISITS ANNUALLY TO INSPECT, TEST & CHECK ALL COMPONENTS OF HVAC UNITS AND ANY ADDITIONAL VISITS REQUIRED IF ANY HVAC UNIT FAILS. ALL NECESSARY BELT ALIGNMENTS, PROPER REFRIGERANT CHARGE, PROPER OPERATIONS OF ALL DAMPERS, CONTROLS, ETC. IS INCLUDED IN THIS SCOPE OF WORK.
16. PROVIDE FIRE STOPPING AROUND ALL OPENINGS FOR DUCT, PIPING, CONDUIT, ETC. PENETRATIONS THROUGH CORRIDORS, SLABS AND OTHER RATED PARTITIONS.
17. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND RESTORATION OF AREAS OF MECHANICAL REMOVALS.
18. CONTRACTOR IS RESPONSIBLE FOR PROVIDING DUMPSTER/CONTAINER SERVICES AND LABOR TO KEEP THE BUILDING FREE OF DEBRIS.
19. CONTRACTOR TO PROVIDE TWO (2) SEPARATE TRAINING SESSIONS (FOUR WEEKS APART) ON PROPER OPERATION & TROUBLESHOOTING OF NEW HVAC SYSTEM & CONTROLS.
20. CONTRACTOR TO NOTE THAT BOTH DWGS. & SPECS. ARE COLLECTIVELY A PART OF BID REQUIREMENTS. IN CASE OF ANY DIFFERENCES BETWEEN VARIOUS DWGS. OR BETWEEN DWGS. & SPECS, THE MOST STRINGENT REQUIREMENT WILL PREVAIL.
21. CONTRACTOR TO SUBMIT FOUR (4) SETS OF OPERATION & MAINTENANCE MANUALS, INCLUDING A SUMMARY SHEET OF ALL EQUIPMENT MANUFACTURERS/MODEL'S/SERIAL #'S, SHOP DRAWING SUBMITTALS, WARRANTY INFORMATION, O&M MANUALS, PROJECT INFORMATION, CONTACT DETAILS & AS-BUILT DRAWINGS.
22. CONTRACTOR TO PROVIDE FOUR (4) SETS AND AN ELECTRONIC COPY OF AS-BUILT DRAWINGS OF THE ENTIRE SYSTEM.

GENERAL CONSTRUCTION NOTES

1. GC IS RESPONSIBLE TO CORE DRILL ALL WALLS, FLOORS, CEILING, ROOF ETC. FOR ALL PIPE & DUCT PENETRATIONS. SEAL OPENING WITH 2-HOUR FIRE BARRIER CAULK. SEE DRAWINGS FOR APPROXIMATE LOCATIONS OF PIPES, DUCT, ETC.
2. GC TO REFER TO MECHANICAL DRAWINGS FOR PAINTING, FURNISHING AND INSTALLING ACCESS PANELS, CUTOUT LOCATIONS, ETC.
3. EC SHALL BE RESPONSIBLE FOR REMOVING & RELOCATING EXISTING ELECTRICAL, FIRE ALARM DEVICES, ETC. TO ACCOMMODATE INSTALLATION OF NEW HVAC EQUIPMENT, PIPING & DUCTWORK. CHECK IN FIELD.
4. GC SHALL REMOVE EXISTING CEILING TILES AND CEILING GRID TO ACCOMMODATE THE INSTALLATION OF NEW UNITS, PIPING & DUCTWORK. RE-INSTALL ALL CEILING TILES BACK TO MATCH EXISTING. REMOVE & REPLACE ALL DAMAGED TILES & CEILING GRID. CHECK IN FIELD.

HVAC MATERIALS

EQUIPMENT:

- REFER TO SCHEDULES FOR UNIT MANUFACTURER, SIZE, AND CAPACITY DATA.

DUCTWORK:

- INDOOR AIR DUCTWORK, EXCEPT AS INDICATED BELOW, SHALL BE GALVANIZED STEEL CONSTRUCTION. WEIGHTS AND CONSTRUCTION DETAIL SHALL BE IN ACCORDANCE WITH THE LATEST ASHRAE GUIDE AND/OR SMACNA STANDARDS. MIN. 24 GAUGE DUCTWORK SHALL BE USED FOR THE PROJECT.
- OUTDOOR AIR INTAKE DUCTWORK SHALL BE ALUMINUM CONSTRUCTION CLASS "A' SEALED.
- ALL ROUND DUCTWORK SHALL BE DOUBLE-WALL SPIRAL DUCTWORK
- FLEXIBLE DUCTWORK: SHALL NOT EXCEED FOUR (3) FEET IN LENGTH. FOR ANY HORIZONTAL FLEX DUCT BRANCH TO A CEILING DIFFUSER, FURNISH A 90° BRACE TO MAINTAIN A LONG RADIUS ELBOW TO THE DIFFUSER (TITUS MAKE, MODEL "FLEXRIGHT" OR APPROVAL EQUAL MANUFACTURERS).

AIR DEVICES:

- SD - TITUS MAKE, MODEL 250 (24"X24 OR 12"x12" OR AS NOTED, STEEL CONSTRUCTION).
- RG - TITUS MAKE, MODEL 350RL STEEL CONSTRUCTION.

NOTES:
1. ALL CEILING DIFFUSERS LOCATED IN GYPSUM BOARD AND/OR CONCEALED SPLINE CEILINGS SHALL BE PROVIDED WITH FRAME TYPE FOR SURFACE MOUNTING.
2. PROVIDE FACTORY INSTALLED 90° BLANK-OFF PLATE(S) IN ALL 2 AND 3 WAY DIFFUSERS.
3. COLOR OF NEW AIR INLETS & OUTLETS SHALL MATCH THE CEILING COLOR.
4. NC RATING OF ALL CDs SHALL NOT EXCEED 20. NC RATING OF ALL RARs/EARs SHALL NOT EXCEED 22.

PIPING:

- REFRIGERANT PIPING SHALL BE HARD COPPER TYPE "K" WITH BRAZED FITTINGS.
- CONDENSATE DRAIN PIPING SHALL BE HARD COPPER TYPE "L" WITH WROUGHT COPPER SOLDERED FITTINGS. REFER TO PLUMBING DRAWINGS.

NOTES:
1. ALL SUPPLY AIR DUCTWORK SHALL BE INTERNALLY LINED FOR A MINIMUM OF 15' DOWNSTREAM OF ALL FCU OR AS NOTED ON THE DRAWINGS.

- DUCT INSULATION NOTE: PROVIDE A MINIMUM 6" OVERLAP WHERE INTERNAL INSULATION ENDS AND EXTERNAL INSULATION BEGINS.
- FRESH AIR INTAKE DUCT: 1" THICK, MIN. 2 LB. DENSITY RIGID FIBERGLASS DUCT INSULATION WITH FOIL FACING VAPOR BARRIER FASTENED WITH WELDED CLIPS, CEMENTED JOINTS WITH ALUMINUM TAPE.
- HEATING PIPING INSULATION: REFER TO SPEC. SECTION FOR PIPE INSULATION REQUIREMENTS.
- INTERIOR REFRIGERANT SUCTION & HOT GAS BYPASS PIPING SHALL BE INSULATED WITH 1" THICK FLEXIBLE ELASTOMERIC INSULATION (AP ARMAFLEX BLACK LAPSEAL OR APPROVED EQUAL).
- EXTERIOR REFRIGERANT SUCTION, LIQUID & HOT GAS BYPASS PIPING SHALL BE INSULATED WITH 1" THICK FLEXIBLE ELASTOMERIC INSULATION (AP ARMAFLEX BLACK LAPSEAL OR APPROVED EQUAL) & BE PROVIDED WITH MIN. 30 MIL PVC FIELD APPLIED JACKETS.
- CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1" THICK FLEXIBLE ELASTOMERIC INSULATION (AP ARMAFLEX BLACK LAPSEAL OR APPROVED EQUAL). REFER TO PLUMBING DRAWINGS.

SYMBOLS

NOT TO SCALE

= 4-WAY SUPPLY AIR CEILING DIFFUSER (SAD) WITH NECK SIZE AND AND CFM INDICATED ON PLANS.

= RETURN AIR REGISTER (RAR) WITH NECK SIZE AND CFM INDICATED ON PLANS.

= EXHAUST AIR REGISTER (EAR) WITH NECK SIZE AND CFM INDICATED ON PLANS.

= SUPPLY AIR CEILING REGISTER/GRILLE (SAR) WITH NECK SIZE AND CFM INDICATED ON PLANS.

= RETURN AIR REGISTER (RAR) WITH NECK SIZE AND CFM INDICATED ON PLAN

= POINT OF CONNECTION OF NEW PIPING/DUCTWORK TO EXISTING

= POINT OF DISCONNECTION OF NEW PIPING/DUCTWORK TO EXISTING

W" x D" = INDICATES HARD DUCT WITH INTERNAL LINING (DIMENSIONS ARE INSIDE CLEAR WIDTH & DEPTH).

W" x D" = INDICATES HARD DUCT (DIMENSIONS ARE INSIDE CLEAR WIDTH & DEPTH).

= DUCT TURN UP (SUPPLY, RETURN, EXHAUST)

= DUCT TURN DOWN (SUPPLY, RETURN, EXHAUST)

DSD/AD = DUCT SMOKE DETECTOR WITH ACCESS DOOR

FD/AD = FIRE/DAMPER WITH ACCESS DOOR

VD = VOLUME DAMPER

BDD = BACK DRAFT DAMPER

T = INDICATES NEW ROOM THERMOSTAT

CLASSROOM 201 = ROOM NAME / ROOM NUMBER

1 = REVISION

= PIPE TURN UP

= PIPE TURN DOWN

ABBREVIATIONS

&	=	AND	IAQ	=	INDOOR AIR QUALITY
@	=	AT	ID	=	INSIDE DIAMETER (DIM)
ø	=	DIAMETER OR ROUND	IN	=	INCH
(E)	=	EXISTING	INFO	=	INFORMATION
(N)	=	NEW	KMA	=	KITCHEN MAKEUP AIR
AC	=	AIR CONDITIONING UNIT	KMC	=	KITCHEN MECHANICAL CONTRACTOR
ACC	=	AIR COOLED CONDENSING UNIT	KX	=	KITCHEN EXHAUST
AD	=	ACCESS DOOR			
ADD'L	=	ADDITIONAL	LAT	=	LEAVING AIR TEMPERATURE
AFF	=	ABOVE FINISHED FLOOR			
ALC	=	AUTOMATED LOGIC CONTROL	LDB	=	LEAVING DRY BULB
			LSD	=	LINEAR SLOT DIFFUSER
ALT	=	ALTERNATE	LWB	=	LEAVING WET BULB
ALUM	=	ALUMINUM	LWT	=	LEAVING WATER TEMPERATURE
AS	=	AIR SEPARATOR			
BDD	=	BACK DRAFT DAMPER	MAX	=	MAXIMUM
BLDG	=	BUILDING	MC	=	MECHANICAL CONTRACTOR
BMS	=	BUILDING MANAGEMENT SYSTEM	MECH	=	MECHANICAL
			MFR	=	MANUFACTURER
CD	=	CEILING DIFFUSER	MIN	=	MINIMUM
CFM	=	CUBIC FEET PER MINUTE			
CLG	=	CEILING	NK	=	NECK SIZE
CO	=	CLEANOUT	NTS	=	NOT TO SCALE
CP	=	CONDENSATE DRAIN PUMP	OA	=	OUTSIDE AIR
CV	=	CONVECTOR	OD	=	OUTSIDE DIAMETER
DDC	=	DIRECT DIGITAL CONTROL	PC	=	PLUMBING CONTRACTOR
DIA	=	DIAMETER			
DN	=	DOWN	RA	=	RETURN AIR
DSD	=	DUCT SMOKE DETECTOR	RAR	=	RETURN AIR REGISTER
DWG	=	DRAWING	RG	=	RETURN GRILLE
			RM	=	ROOM
EA	=	EAHAUST AIR	RTU	=	ROOFTOP HVAC UNIT
EAR	=	EXHAUST AIR REGISTER			
EAT	=	ENTERING AIR TEMPERATURE	SA	=	SUPPLY AIR
			SAD	=	SUPPLY AIR DIFFUSER
EC	=	ELECTRICAL CONTRACTOR	SAR	=	SUPPLY AIR REGISTER
			SD	=	SMOKE DAMPER
EF	=	EXHAUST FAN	SPEC	=	SPECIFICATION
ENCL	=	ENCLOUSURE	SR	=	SUPPLY AIR SIDE REGISTER
ET	=	EXPANSION TANK			
EXIST	=	EXISTING	SS	=	STAINLESS STEEL
EWT	=	ENTERING WATER TEMPERATURE	TG	=	TRANSFER AIR GRILLE
			TYP	=	TYPICAL
FAI	=	FRESH AIR INTAKE			
FC	=	FLEXIBLE CONNECTION	UH	=	UNIT HEATER
FCU	=	FAN COIL UNIT	UV	=	UNIT VENTILATOR
FD	=	FIRE DAMPER			
FLR	=	FLOOR	VD	=	VOLUME DAMPER
FTR	=	FINED TUBE RADIATION/BASEBOARD	VFD	=	VARIABLE FREQUENCY DRIVE
			VERT	=	VERTICAL
GC	=	GENERAL CONTRACTOR	VIF	=	VERIFY IN FIELD
			VRF	=	VARIABLE REFRIGERANT FLOW
HORIZ	=	HORIZONTAL			
HVAC	=	HEAT/VENTILATION/AIR CONDITIONING	W/	=	WITH
			WMS	=	WIRE MESH SCREEN
HWH	=	HOT WATER HEATER			

Date	12/28/20
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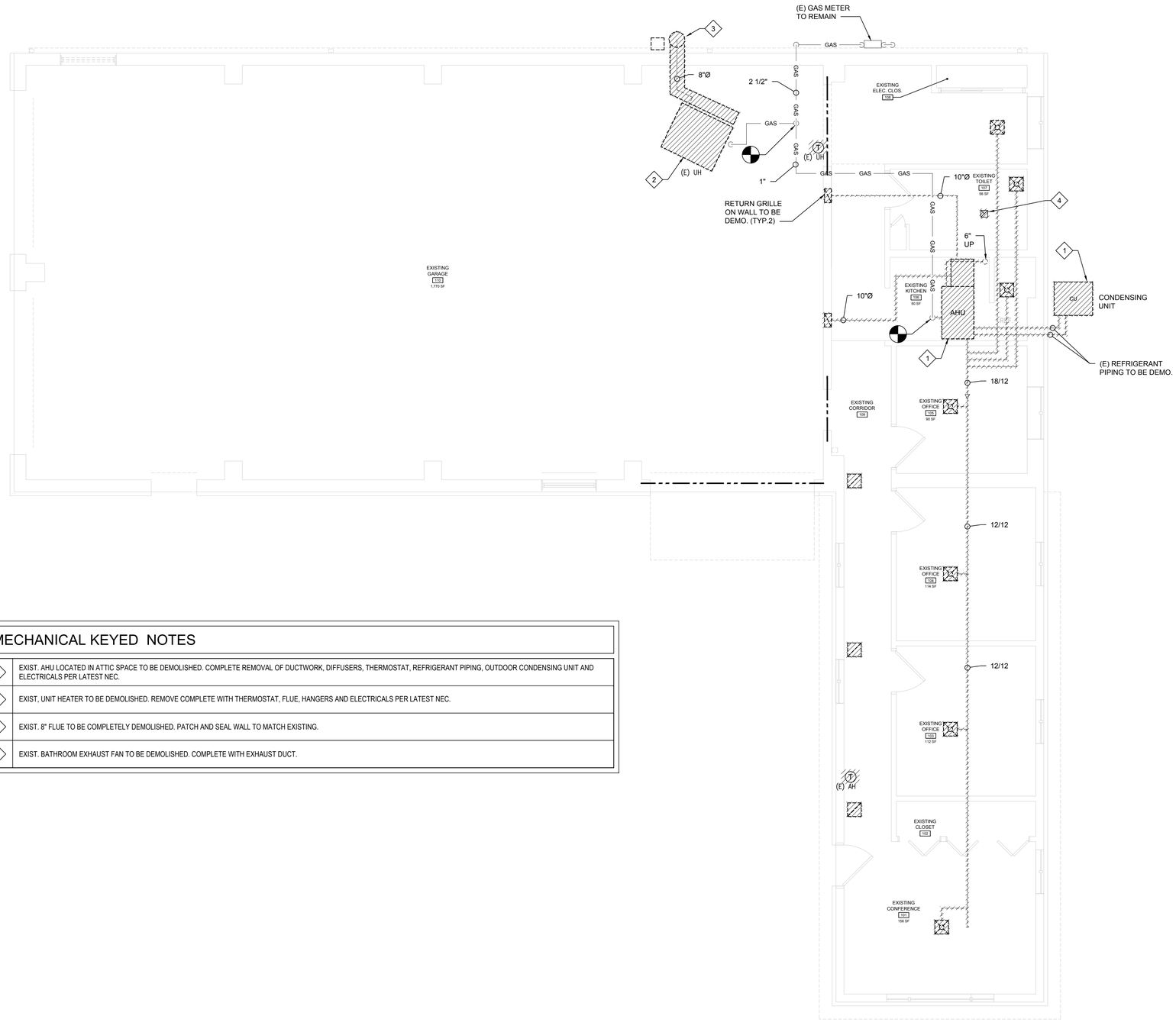
MECHANICAL GEN. NOTES, LEGEND & ABBREV.

Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

Job No. 4.1523.01

File No. 4152301_M001

M0.01



MECHANICAL KEYED NOTES

1	EXIST. AHU LOCATED IN ATTIC SPACE TO BE DEMOLISHED. COMPLETE REMOVAL OF DUCTWORK, DIFFUSERS, THERMOSTAT, REFRIGERANT PIPING, OUTDOOR CONDENSING UNIT AND ELECTRICALS PER LATEST NEC.
2	EXIST, UNIT HEATER TO BE DEMOLISHED. REMOVE COMPLETE WITH THERMOSTAT, FLUE, HANGERS AND ELECTRICALS PER LATEST NEC.
3	EXIST. 8" FLUE TO BE COMPLETELY DEMOLISHED. PATCH AND SEAL WALL TO MATCH EXISTING.
4	EXIST. BATHROOM EXHAUST FAN TO BE DEMOLISHED. COMPLETE WITH EXHAUST DUCT.

1 M1.01 Mechanical Floor Plan - Demolition

1/4" = 1'-0"

NORTH

Date	12/28/20
Checked	MAM
Drawn	MAM

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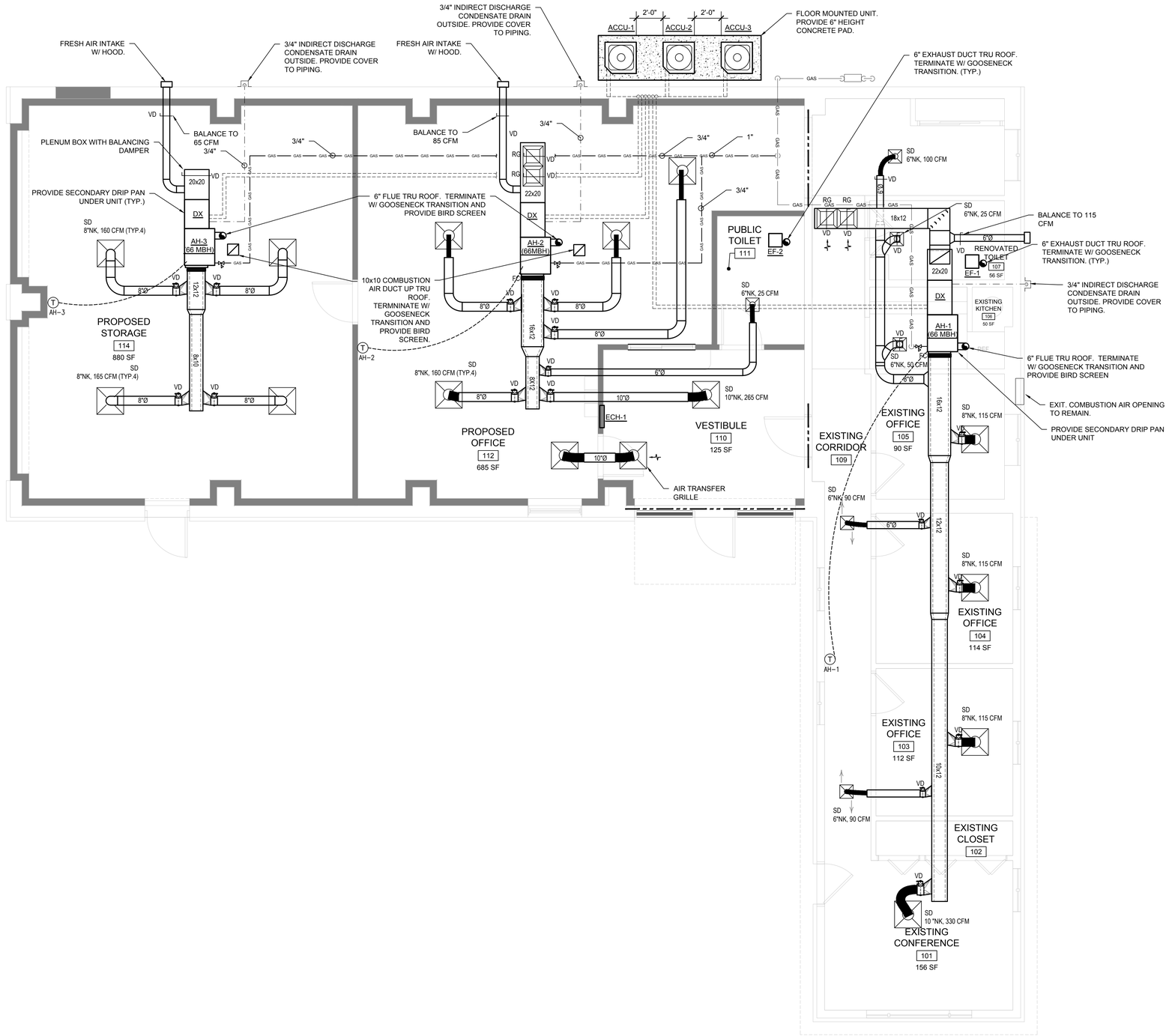
PARTIAL MECHANICAL FLOOR PLAN - DEMOLITION

Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

Job No. 4.1523.01

File No. 4152301_M101

M1.01



1 M2.01 Mechanical Floor Plan

1/4" = 1'-0"

Date	12/28/20
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PARTIAL MECHANICAL FLOOR PLAN
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
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Job No. 4.1523.01

File No. 4152301_M001

M2.01

SPLIT INDOOR AC/HEAT UNIT SCHEDULE

(LENNOX AS STANDARD)

TAG No.	AREA SERVED	AIR FLOW (CFM)	O.A. (CFM)	ESP IN WC.	COOLING		HEATING INPUT	HEATING OUTPUT	NAT. GAS PRESS.	HTG. EFF.	MODEL & MANUFACTURER	ELECTRIC DATA			REFRIGERANT TYPE	APPROX DIMENSION L x W x H (IN)	APPROX WEIGHT FURN./COIL (LBS)	REMARKS
					TBMH	SBMH	MBH	MBH	IN WC.	%		VOLT/PH/HZ	MCA	MOP				
AH-1, 2	OFFICES	1,030	115 AH-1 85 AH-2	0.7	22	17	66	53	7-14	80	CHX35-30A-6F LENNOX DX COIL ML180UH070 LENNOX FURNACE	120/1/60	12	15	R-410A	33 X 28 X 14 FURN. 31X 21 X 14 COIL.	66/56	SEE NOTES.
AH-3	STORAGE	660	65	0.6	22	15	66	53	7-14	80	CHX35-24A-6F LENNOX DX COIL ML180UH070 LENNOX FURNACE	120/1/60	12	15	R-410A	33 X 28 X 14 FURN. 26X 21 X 14 COIL.	111/46	SEE NOTES.

NOTES:
1. PROVIDE W/ PROGRAMMABLE THERMOSTAT FOR EACH UNIT.
2. PROVIDE DISCONNECT SWITCH.
3. PROVIDE PROPER REFRIGERANT CHARGING FOR ALL UNITS.

OUTDOOR AIR-COOLED CONDENSING UNIT SCHEDULE

(LENNOX AS STANDARD)

TAG No.	LOCATION	UNIT SERVED	NOMINAL COOLING (MBH)	MODEL & MANUFACTURER	ELECTRICAL VOLT/PH/HZ	COMPRESSOR NO.	COND FAN NO.	MCA	MOP	MCA	MOP	REFRIGERANT TYPE	APPROX DIMENSIONS W x D x H (IN)	APPROX. WEIGHT (LBS)	SEER	REMARKS
ACCU-1,2	GROUND	AH-1&2	30.0	ML14XC1S030 LENNOX	208/1/60	1	1	16.5	25	17.0	25	R-410A	28 x 28 x 37	170	16	SEE NOTES
ACCU-3	GROUND	AH-3	24.0	ML14XC1S024 LENNOX	208/1/60	1	1	16.5	25	17.0	25	R-410A	28 x 28 x 30	155	16	SEE NOTES

NOTES:
1. ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL NEMA 3R DISCONNECT SWITCH & GFI CONVENIENCE OUTLET FOR EACH UNIT. REFER TO ELECTRICAL DRAWINGS.
2. PROVIDE UNIT W/ COIL GUARD.

VENTILATION SCHEDULE

Room Name	Floor Area (Sq. Ft.)	Required O.A. per Sq. Ft.	Required O.A. For Space	No. of People	Required O.A. per Person	Required OA For Occupants	Total Min. O.A. Required (CFM)	Zone Air Distribution Effectiveness	Zone Min. O.A. Required (CFM)	Design		Remarks
										O.A. (CFM)	E.A. (CFM)	
EXIT. CONFERENCE 101	156	0.06	9	4	5	20	29	0.8	36	40	-	
OFFICE 103	112	0.06	7	1	5	5	12	0.8	15	15		
OFFICE 104	114	0.06	6	1	5	5	11	0.8	14	15		
OFFICE 105	90	0.06	5	1	5	5	10	0.8	12	15		
KITCHEN 106	50	0.06	3	1	5	5	8	0.8	10	10	30	
TOILET 107	57	--	--	--	--	--	--	--	--	--	50	50CFM/FIXT.
BACK SPACE	85	0.06	5	--	--	--	5	0.8	6	6		
CORRIDOR	180	0.06	10	--	--	--	10	0.8	15	15		
PROPOSED OFFICE 112	685	0.06	40				60	0.8	75	75		
VESTIBULE 110	125	0.06	7	--	--	--	7	0.8	8	8		
TOILET 111	62	--	--	--	---	--	--	--	--	--	50	
STORAGE 114	880	0.06	52	--	--	--	52	0.8	65	65		

EXHAUST FAN SCHEDULE

(GREENHECK AS STANDARD)

TAG No.	SYSTEM SERVED	LOCATION	CFM	STATIC PRESSURE LOSS (IN)	WATTS	AMPS	RPM	ELECTRIC DATA VOLT/PH/HZ	DIMENSIONS (W. x L. x H.) (IN)	APPROX. UNIT WEIGHT (LBS)	MODEL & MANUFACTURER	SONES	REMARKS
EF-1,2	TOILET	CEILING	100	0.2	20	0.3	860	120/1/60	12x12x10	10	SP-AP0511W GREENHECK	2.0	NOTES 4,5,6,7,& 8.

NOTES:
1. FAN SHALL SHALL BE CONTROLLED BY LIGHT SWITCH
2. PROVIDE FAN W/ BACKDRAFT DAMPER

ELECTRIC RESISTANCE CABINET/UNIT HEATER SCHEDULE

(TRANE AS STANDARD)

TAG No.	LOCATION	SA (CFM)	HEATING KW	HEATING MBH	ELECTRIC DATA VOLT/PH/HZ	MODEL & MANUFACTURER	WEIGHT (LBS)	DIMENSIONS (W x H x D) (IN.)	REMARKS
ECH-1	VESTIBULE/ENTRANCE	175	2.0	6.8	208/1/60	UHAA-021ATAD TRANE	27	14 x 19 x 4	WALL-RECESSED CABINET HEATER. SEE NOTES.

NOTES:
1. PROVIDE HEAVY-DUTY LOUVERED GRILLE, BUILT-IN TAMPER RESISTANT THERMOSTAT & DISCONNECT SWITCH & FAN DELAY SWITCH FOR ECH-1.
2. PROVIDE W/ DOUBLE POLE LINE BREAK THERMOSTAT WITH OFF OPTION.
3. ECH-1 UNIT COLOR TO BE SELECTED BY OWNER.
4. PROVIDE DDC CONTROLS & CONNECT TO NEW BMS.

Date 12/28/20
Checked MAM
Drawn MAM

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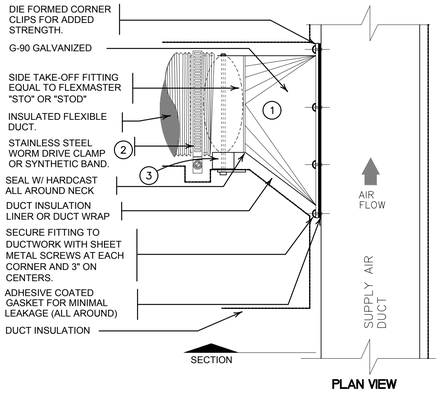
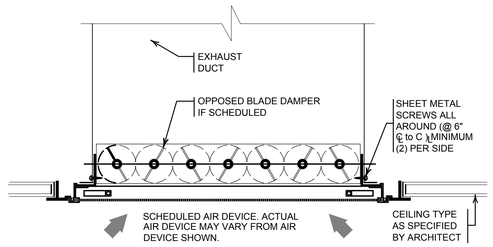
MECHANICAL SCHEDULES
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

Job No. 4.1523.01
File No. 4152301_M001

M6.01

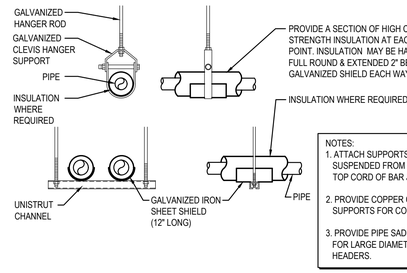




NOTES:

1. RETURN/EXHAUST AIR GRILLE SHALL BE INSTALLED SUCH THAT THE FACE OF THE GRILLE IS FLUSH WITH CEILING.
2. REFER TO DIFFUSER SCHEDULE FOR ADDITIONAL INFORMATION.
3. REFER TO ARCHITECTURAL DRAWING FOR CEILING TYPE AND CONSTRUCTION DETAILS.

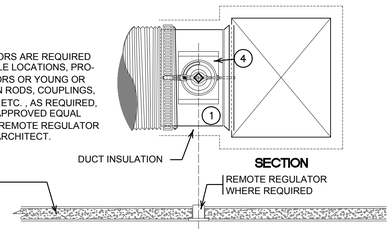
2 DUCTED EXHAUST AIR GRILLE DETAIL
NOT TO SCALE



4 PIPE SUPPORT HANGERS
NOT TO SCALE

GENERAL NOTE:

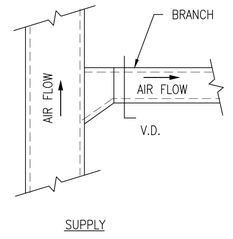
1. WHERE REGULATORS ARE REQUIRED IN NON-ACCESSIBLE LOCATIONS, PROVIDE ACCESS DOORS OR YOUNG OR EQUAL EXTENSION RODS, COUPLINGS, 90° GEAR DRIVES, ETC. . AS REQUIRED, & YOUNG 301 OR APPROVED EQUAL FLUSH MOUNTED REMOTE REGULATOR AS DIRECTED BY ARCHITECT.



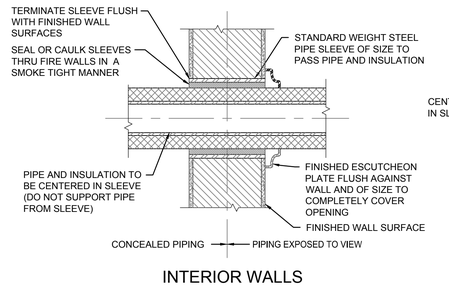
NOTES:

1. PROVIDE SQUARE TO ROUND TAP WHERE FLEXIBLE DUCT SIZE EXCEED DIMENSION OF RECTANGULAR DUCT.
2. EXTEND INSULATION AND OUTER JACKET OVER THE SECURE CLAMP/BAND AND TAPE DOWN TO SLEEVE/COLLAR TO MAINTAIN VAPOR BARRIER INTEGRITY. (TYPICAL)
3. PROVIDE DAMPER IF TAP SERVES AN AIR DISTRIBUTION DEVICE.
4. RIGID ROUND DAMPERS SHALL BE "FLEXMASTER" SLBO RAISED PLATFORM.

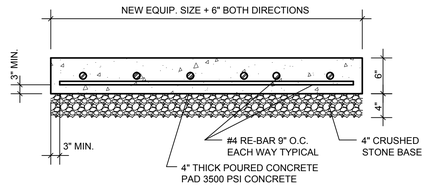
1 ROUND TAP DETAIL
NOT TO SCALE



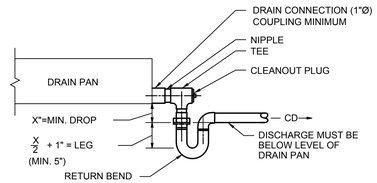
3 DUCT / DIFFUSER TAKE OFF DETAIL
NOT TO SCALE



5 PIPE SLEEVES THRU WALL DETAILS
NOT TO SCALE



6 CONCRETE PAD DETAIL
NOT TO SCALE - SCHEMATIC ONLY



X = NEGATIVE INTERNAL STATIC PRESSURE AT FAN INLET.

NOTES:
1. ALLOW SUFFICIENT SPACE BELOW DRAIN PAN FOR TRAP
2. PITCH DRAIN FOR PROPER RUN - OFF.
3. MANUALLY, PRIME FILL TRAP BEFORE STSRT -UP TO FORM INITIAL DRAIN SEAL.
4. SUPPORT LENGHTY DRAIN LINES TO PREVENT SAG AND CONDENSATE OVERFLOW.

7 CONDENSATE DRAIN TRAP DETAIL
NOT TO SCALE - SCHEMATIC ONLY

Date	12/28/20
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MECHANICAL DETAILS
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

Job No. 4.1523.01
File No. 4152301_M001

M6.02

Electrical General Notes

Project Information:

1. Unless specifically noted otherwise, it shall be understood that when the words "Owner" or "Client" are used in these drawings they are interchangeable an all refer to Village of Woodbury.
2. Wherever in the documents the word "utility" is stated, Orange and Rockland is implied.
3. Unless specifically noted otherwise, it shall be understood that when the words "Architect", "Engineer", or "A/E" are used in these drawings they are interchangeable an all refer to LAN Associates, Engineering, Planning, Architecture Surveying ("LAN").
4. Unless specifically noted otherwise, it shall be understood that when the word "Contractor" is used in the Electrical (E#.##) drawings and/or Electrical Specification sections it refers to the Electrical Contractor.
5. Where any device or part of equipment is referred to in these drawings in the singular number (e.g., "the switch", "the receptacle"), this reference shall be deemed to apply to as many such devices as are required to complete the installation as shown on the drawings.

Code & Standards Compliance:

1. Code compliance is mandatory. Nothing in these Drawings and Specifications permits work not conforming to these codes. Where work is shown to exceed minimum code requirements, comply with drawings and specifications. When differences in utility specifications or standards, governmental ordinances or codes occur, the more stringent requirements shall govern the installation.
2. The electric installation shall be in accordance with the currently enforced edition of the National Electrical Code (NEC), National Electrical Safety Code (NESC), American Electricians' Handbook, International Building Code (IBC), Americans with Disabilities Act (ADA), NFPA 110 & 99 and NEC Standard of installation. Wherever in the documents the word "code" is stated, the more stringent of the above referenced codes is implied.
3. All contractor supplied materials/equipment shall be new and UL Listed or approved by another Nationally Recognized Testing Laboratory (NRTL).
4. The contractor shall pay for and obtain all permits and inspections required by the building and safety codes and ordinances, and the rules and regulations of any legal body having jurisdiction. Permit and inspections shall be include in the base bid and shall not be cause for an extra.
5. Contractor shall confirm to all safety rules and other regulations, etc. pertaining to construction work on the client's premises. Contractor shall be responsible to ensure that all rules and regulations have been met and coordinate this work with responsible client's personnel.
6. All electrical equipment and raceways permanently attached to structures, including supporting structures and attachments to non-building structures, shall be anchored for seismic loading to resist a horizontal force action in any direction. Contractor shall provide seismic restraints for all conduits larger than 2½" trade diameter. Provide sway braces for conduit and equipment suspended from the overhead. Provide anchor bolts for floor and wall mounted equipment. The installation shall meet the requirements of International Building Code (IBC) Sections 1614 and 1621 as they apply to electrical equipment for Earthquake Loads.

General Procedures:

1. All equipment shall be as indicated or as approved by the Engineer/Architect.
2. The cost incurred by the acceptance of substitutions shall be borne by the contractor. Proof for the equality of the substitutions shall be by the contractor and differences shall be enumerated with the submittal.
3. Electrical components including, but not limited to conductor size, overcurrent protection device and disconnect switches are based on the power requirements of the equipment shown on the contract documents. All costs (including additional design fees if required) associated with changes to these power requirements shall be the responsibility of the contractor making the change.
4. Obtain shop drawings and wiring diagrams for the proper installation of related electrical work.
5. Electrical Contractor shall be responsible for the removal of debris generated by his work and workers at the end of each working day and for general good housekeeping by his workers. Electrical Contractor shall provide required refuse containers.

Site Conditions/Drawing Coordination:

1. These drawings and specifications illustrate the work to be performed. The Engineer is not responsible for the means, methods, techniques, sequences, and procedures used to do the work, or the safety aspects of constructions, and nothing on these drawings expressed or implied changes this condition. Prior to bidding and/or starting work the contractor shall visit the project site to determine the conditions under which the work is to be performed and shall be responsible for knowing how they affect the work. Schedule site visit with client's representatives. Additionally, the contractor shall field verify all site dimensions and room layouts. Submission of a bid to perform this work is an acknowledgement of these responsibilities, and that they have been fully considered in planning of the work, and the bid price. No claims or extra charges due to these conditions will be forthcoming.
2. The client will occupy the site and existing building(s) during the entire construction period. Cooperate with the client during construction operations to avoid any conflicts. Perform the work so as not to interfere with the client's operations. Schedule all power outages with client's approval for overtime on Sundays and Holidays at no additional cost to the client.
3. Existing project conditions indicated are based on field observations; existing design/construction documents and existing record documents and are intended to indicate the scope of the work affected by this project.
4. Drawings shall not be scaled. Drawings indicate the general arrangement of systems and requirements of the work. Although size and location of equipment is drawn to scale wherever possible, contractor shall make use of all data in all of the contract documents and verify information at the project site.
5. The electrical contractor shall make his own takeoff on all quantities. It shall be his responsibility, at his cost, to include all equipment and material in order to comply with the intent of the drawings.
6. The circuit numbers are for identification only. The contractor shall be responsible for correctly phasing the circuits in panels.
7. Existing Circuit Designations:
   a. All reference to existing circuit designations is based on previous project documentation. The contractor shall consult the engineer in the event that actual conditions do not coincide with the indicated re-distribution or other use of existing circuits as herein indicated.
   b. Any deviation, as may be directed by the engineer, from the indicated circuit structure specified in this drawing set will require both verification by the contractor that the total connected load on the associated supply conductors is within the above specified limit and documentation in the project record (as-built) drawings.
8. The electrical installation shown is represented diagrammatically and indicates the general arrangement of systems and work. The locations and arrangements of equipment, devices, switchboards, panelboards, partitions, openings, etc. are designed to show preferred configurations to suit known conditions but are approximate and are subject to modifications caused by structural conditions and other existing or proposed equipment. The locations are subject to such modifications as may be found necessary or desirable at the time of installation in order to accommodate field conditions and coordination requirements. Contractor shall follow the intent of the drawings in "laying out" the work and coordinate the work with other trades to verify spacing conditions. Contractor shall determine roughing locations required to effect such coordination. The electrical contractor shall coordinate all work and shall make such changes without extra charge.
9. The contract drawings depict the approximate location of all required equipment and if shown, the diagrammatic arrangement of piping, raceways, conduits, feeders, cables, etc, herein after referred to as "conduit." Conduit runs, if shown, have been depicted with the intention of most clearly indicating the proposed routing. Actual runs may differ if kept within the requirements and provisions of these specifications, and providing that that all modifications have been shown in the shop drawings. Contractor responsible to determine conduit runs and "clear" piping, ductwork, access doors, and other obstructions as applicable. Contractor shall coordinate conduit with work of other trades and alter where necessary to avoid interference. Submit for approval, prior to scaled installation drawings showing the location of all new equipment/devices to be installed and indicating circuitry. Shop drawings shall include all wiring, pull boxes, junction boxes, fittings, wiring devices and dimensioned clearances from the structure and equipment. Coordinate shop drawings with other trades prior to submission.
10. Before the relevant work proceeds, the Contractor shall prepare and submit five (5) copies of shop drawings depicting the proposed conduit routing diagram and equipment layout. Specifically detailed shall be a layout of the switchboard and related equipment in each electric room or electric closet. All equipment layouts shall be drawn to scale and dimensioned. Shop drawings shall be a minimum of 1/8" = 1'-0" and preferably 1/4"=1'-0", dimensioned, showing construction, sizes, weights, arrangements, operating clearances, performance characteristics and the necessary coordinating trades involved. Shop drawings will not be accepted unless a complete list of deviations from architect's/engineer's proposed plans is included. Exact location of all equipment will be determined in the field and the contractor must secure exact dimensional data before the layout of any work.
11. Routing for feeders, instrumentation and control circuits is not shown on the plan drawings. If indicated on the floor plans, they express the intent of routing. Final location and routing shall be suited for the construction of the building and established by the contractor based on the installation conditions and shall be verified in the field. All feeder information, conduit types and installation requirements shall be in accordance with the specifications, electrical riser diagram and appropriate panel schedules.
12. Any cutting, patching, or finish repair work required for the electrical installation is the responsibility of the contractor.
13. Where mounting heights are not detailed or dimensioned, install electrical services and overhead equipment to provide maximum headroom possible. Connect equipment for ease of disconnecting with minimum interference with other installations.
14. Provide temporary power and lighting as required during the entire duration of demolition and construction utilizing the existing electrical system as a source. The Electrical Contractor shall remove all temporary power and lighting upon the completion of the project.
15. Where conflicts exist, provide in the bid proposal the more costly alternative.

Work/Trade Coordination

1. Coordinate work with other trades to avoid conflict and to provide correct rough in and connection for equipment furnished under trades that require electrical connections. Inform Contractors of other trades of the required access to and clearances around electrical equipment to maintain serviceability and code compliance.
2. Sequence, coordinate and integrate installations of electrical materials and equipment for efficient flow of work. Give particular attention to large equipment requiring positioning prior to closing in the building. Coordinate the cutting and patching of building components to accommodated installation of the electrical equipment and materials.

Installation:

1. Grounding shall be installed in accordance with the NEC in accordance with electrode, grounding and bonding requirements for service, equipment and enclosures. Install an insulated equipment ground conductor in each raceway or conduit. Size equipment ground conductor in accordance with NEC Table 250.122. Bond raceways and the frames and enclosures of motors, breakers, switches, and other electrical equipment to the building grounding system. Precaution shall be taken to ensure adequate ground continuity along the conduit or raceway.
2. Provide a separate neutral conductor for each circuit. Install neutral conductors and ground conductors into all switch boxes. Multiple circuits shall not share a common neutral. Neutral shall be sized as large as the phase conductors. Neutral conductors shall not be reduced in size.
3. Arrange connections for single phase circuits to achieve three phase load balance within 20% of the average phase load current. Ungrounded conductors using a common neutral must originate from different phases.
4. The electrical contractor is responsible for maintaining proper phase rotation with all existing three (3) phase electric loads.
5. Phase rotation check: on multi-phase equipment, perform a phase rotation check prior to energizing the equipment. Use Knopp K-3 or equivalent device with red or "A" lead connected to phase A, white or "B" lead connected to phase B, and blue or "C" lead connected to phase C. Note the phase rotation and annotate test documentation with device used, manner connected, rotation observed, date of test, and name of craftsman. Do not energize equipment unless observed rotation matches the requirements of the equipment
6. Contractor shall supply all labor, power cables, conduit boxes, fittings, wiring materials, hardware, supports, and miscellaneous items for a complete electrical installation and connection of the electrical work required, except that the provision for owner supplied equipment shall be only completed to the point indicated elsewhere on the drawings.
7. All openings and penetrations shall be sealed upon completion of the electrical installation to prevent the spread of smoke and fire through openings. Seal around conduit and raceway penetrations through interior walls and floor separating areas to restore original fire rating; use a UL classified fire sealant. Seal penetrations through roof and exterior walls to make waterproof. Request inspection of fire seals by electrical inspector from authority having jurisdiction before and after placement of fire seal materials. All openings shall be coordinated with the other trades to limit interference and obstruction.
8. Limit the use of electrical metallic tubing (EMT) to where it will not be subject to physical damage or corrosion. Use intermediate metal conduit (IMC) or rigid galvanized steel conduit (RGS) where raceways are embedded in concrete or exposed to physical damage. Use minimum 3/4" conduit except as follows: 1/2" conduit may be used for 20 amp general light and power circuits and for control circuits; 3/8" flexible metal conduit may be used to connect light fixtures in suspended ceilings. Use liquid tight flexible metal conduit for flexible connection to equipment in mechanical rooms or outdoors.
9. Where raceways contain insulated conductors 4 AWG and larger that enter an enclosure, the conductors must be protected from abrasion during and after installation by a fitting that provides a smooth, rounded insulating surface, such as an insulating bushing as per NEC 300.4(G).
10. Install outdoor equipment to be weatherproof (NEMA 3R).
11. All penetrations through exterior walls shall be sealed watertight. Furnish and install seals for conduit and raceways to seal the annular space between the raceway and the building penetration. Furnish and install conduit sealing bushings as manufactured by OZ/ Gedney type CSMI or CSMC or approved equal. Furnish and install conduit sealing bushings as manufactured by OZ/Gedney type CSBG or approved equal to seal the conductors inside the raceway. Coordinate submittal submission with conductor size, quantity and insulation type.
12. Underground conduits shall be pitched to drain away for them building in manholes.

Utility Guidelines:

1. Contractor shall obtain and adhere to the utilities latest installation and specification guidelines.
2. Contractor pay for all utility company permits, fees, approvals, etc. These fees shall be included in the base bid and shall not be cause for an extra.
3. Contractor shall submit to the utility company for approval, the following: service entrance switchboard/panelboard, generator and transfer switch, as applicable, and all other information requested by the utility representative.

Wire Information:

1. All wiring shall be copper conductor, 600 volts in EMT raceway with approved fittings unless otherwise indicated. Feeder and branch circuit wiring shall be minimum #12 AWG unless otherwise indicated. Feeder and branch circuit wiring larger than #10 AWG shall be stranded conductor: #10 AWG and smaller, shall be solid conductor. Control wiring shall be #18 AWG THWN. Type of insulation as follows unless noted otherwise:
   a. THHN/THWN insulation for #4 AWG and smaller
   b. THW or THHN/THWN insulation for #2 AWG and larger
   c. THW used for all panel feeder and service conductors
   d. XHHW-2 insulation type shall be used where conductors are installed in conduits exposed to the weather.
2. Use the following conductor color codes:

	208Y/120V	480Y/277V
Phase A	Black	Brown
Phase B	Red	Orange
Phase C	Blue	Yellow
Neutral	White	Gray
Equip. Ground	Green	Green

Circuit Breakers:

1. Use 600 VAC circuit breakers in 480V and 480Y/277V switchboards, panelboards and motor control centers.
2. Provide circuit breakers with UL listed interrupting rating (RMS symmetrical amperes) greater than the available fault current shown on the electrical one-line diagram. "Series rated" equipment shall not be accepted.
3. Install UL Listed circuit breaker padlocking devices for service and maintenance personnel on all over current protection devices at the main building panel (MDP or equivalent). The device must have provisions for placement of a lock on it to secure the device in the off position. The lock-out device must be part of the disconnect assembly and must remain in place after the padlock is removed, whether it is a fused disconnect switch, a single circuit breaker, or a circuit breaker in a panelboard. A device that is attached to the circuit breaker handle by a set screw is not an acceptable means to serve as a safe method of locking the device in the off position.
4. All circuit breakers shall be molded case thermal magnetic and rated for available short circuit current.

Receptacles:

1. All outdoor receptacles shall be mounted 42" above the finished grade, unless noted otherwise. The outdoor receptacles shall be GFCI type with a weatherproof enclosure. The weatherproof enclosure shall have a gasketed hinged outlet cover/enclosure which is suitable for wet locations while in use and UL listed as manufactured by TayMac or approved equal.

Labeling:

1. All switchboards, panelboards, industrial control panels and motor control centers that are in other than dwelling occupancies and are likely to require examination, adjustment, servicing or maintenance while energized shall be field marked to warn qualified persons of potential electric arc flash hazards. The marking shall be located so as to be clearly visible to qualified persons before examination, adjustment, servicing or maintenance or the equipment. Marking shall be self adhesive, commercial label conforming to NEC 110.16 and ANSI Z535.4. Arc Flash Label shall be Brady (bradyid.com) catalog No. 102308 or equal.
2. Provide identification tags for all new wiring and install at each end and in all intermediate pull/junction boxes, cabinets, housings, etc. Indicate on tags, legibly minimum ¼" high letters, the points of origin and termination of each conduit and conduit run. Label all receptacles and switch covers with panelboard and circuit number. For interior equipment, use Brother P-touch 3 label maker with TC-10 label cartridge or equal. For exterior equipment, use aluminum dymo half-inch tape label with embossed lettering. Abbreviate lettering to provide necessary information with minimum label size (i.e., Panelboard PP1, Circuit 23 should read PP1-23).
3. Label all switchgear, panelboards, and separately-mounted equipment with feeder source and circuit number. For interior equipment, provide white Micarta plate with quarter-inch block lettering. For exterior equipment, provide anodized aluminum plate with quarter-inch embossed block lettering. Attach to equipment using contact cement in a clear space on the upper portion of the equipment cover approximately 66" AFF. Abbreviate lettering or adjust letter size to provide necessary information with minimum label size, (i.e., 277/480V PANEL PP1 FROM MDP CKT 3 or P-1 20 HP PUMP FROM PP1 CKT 3).
4. All panels shall have typed, completed directories indicating equipment served and room number (as indicated on the final building signage) of equipment location, or space, or space. Identify the purpose of individual circuit breakers, safety switches and motor starters by means of nameplates as indicated. Update directories as panels are altered. Circuit changes shall be reflected on "as-built" drawings.
5. All circuits and circuit modifications must be legibly identified as to their clear, evident, and specific purpose. The identification must include sufficient detail to allow each circuit to be distinguished from all others, and the identification must be on a circuit directory located on the face or inside of the door of a panelboard. Circuit directories containing multiple entries with only ``lights" or ``outlets" do not provide the sufficient detail required by the NEC.

Inspections/Warranty:

1. No work shall be concealed until after inspection and approval by proper authorities. If work is concealed without inspection and approval, the Contractor shall be responsible for all work required to both open and restore the concealed areas in addition to any required modifications.
2. The contractor shall make a final inspection of all electrical equipment to ensure that there are no loose electrical connections or electrical circuits subject to electrical break down due to the presence of foreign material. This shall include inspection of all connections made under this contract.
3. The contractor shall deliver certificates of electrical and other inspections or copies thereof, to the client at the completion of the project with copies to the Engineer/architect.
4. The contractor shall guarantee all work in writing to the client against any and all defects in material and workmanship for a period of one year, or as indicated in the specification, from date of acceptance and perform all corrective work at no cost to the client.

Application of Raceways

RACEWAY TYPE	APPLICATION
Rigid Steel Conduit	Where exposed to mechanical injury, where specifically required, indoors where exposed to moisture, where required by codes and for all circuits in excess of 600 volts.
I.M.C.	Where exposed to mechanical injury, where specifically required, indoors where exposed to moisture, where required by codes and for all circuits in excess of 600 volts.
E.M.T material is not specified.	Use in every instance except where another
Flexible Metal Clad Cables	Lighting and receptacle branch circuits concealed in hollow spaces of building. May not be used in corridors, places of assembly, or where prohibited by Code.
Type MC Flexible Steel	Use in dry areas for connections to lighting fixtures in hung ceilings, connections to equipment installed in removable panels of hung ceilings. At all transformer or equipment raceway connections where sound and vibration isolation is required.
Liquid-Tight Flexible Conduit	Use in areas subject to moisture where flexible steel is unacceptable, at connections to all motors, and all raised floor areas.
Non-Metallic Conduit	1. Schedule 40 - Where raceways are in slab in below grade levels, for raceway duct banks. 2. Schedule 80 - For underground raceways outside of building which are not encased in concrete. Also for secondary conductors of cold cathode lighting systems.
Wireways and Aux Gutters	Where indicated on the Drawings and as otherwise specifically required.

Electrical Demolition Notes

1. The demolition drawings are diagrammatic and indicated the general intent and scope. Plans do not attempt to show all electrical demolition items. Unless otherwise noted, devices shown are for information purposes. Field verify all demolition items and the extent of demolition work, conditions under which demolition is to be accomplished along with kind and amount of materials being removed and provide for removal of all devices accordingly prior to bid.
2. Contractor shall include all labor and materials in the base bid including all temporary connections, conduit and wire in order to accommodate construction and provide continuous service to devices. Systems that are to remain temporary or permanently and require the shutdown of the building power shall be performed during overtime and shall be included in the base bid.
3. The contractor is responsible for the sequence of all work and shall include in the base bid all labor and materials required for the extensions, re-routing and relocation of existing system components, equipment, wiring, conduits and cabling to maintain operation of all systems throughout the building during demolition and construction phases.
4. The contractor shall report to the client any and/or all conditions that may interfere with or otherwise affect or prevent the proper execution and completion of the work of this contract.
5. The contractor shall execute all work within the regulations of the building for demolition and removal of debris. Overtime work required will be at no extra cost to the client.
6. All equipment shall be disconnected and removed back to its power source of origination unless otherwise noted ('U.O.N.') by Existing to Remain ('E'). All disconnected and removed items that are not being reused shall be returned to the owner or disposed off site in an approved method.
7. The contractor shall at all times protect the property of the client and the building owner, including but not limited to windows, finishes, public toilets, elevators, doors, bucks, electrical and air conditioning equipment, convector enclosures, etc.
8. Unless noted otherwise, all of the existing electrical equipment currently located in the areas of demolition, whether specifically indicated on this drawing or not, shall be disconnected and removed from service. The owner has first right of refusal on all removed items. All items not wanted by the owner shall be properly disposed of offsite by the contractor in accordance with the law. Care shall be taken to maintain circuit continuality to all existing electrical devices to remain. Refer to architectural drawings for exact areas of demolition.
9. Relocate or remove all electrical devices in accordance with the applicable codes.
10. Do not disable or disrupt building fire or life safety systems without written permission from the Owner. In all cases, permission shall have been granted not less than ten (10) working days prior to the intended interruption.
11. Before the start of work, the electrical contractor shall check all existing devices, light fixtures, equipment, etc. that is noted or required to be reused to satisfy himself that they are operating properly. Should any of the items not be operating properly, contractor shall report same to the engineer and await his directions. Contractor not comply with the above will be responsible for providing operational items at his expense.
12. Field investigate the existing electrical & low voltage systems installations. All existing installations in the renovation areas that are to remain but are not currently in compliance with current codes shall be corrected, including but not limited to the following: Un-supported wire, conduit and junction boxes laying on top of ceiling tiles, wire, conduit and/or junction boxes supported only by tie-wire. Raise and support conduit with strap per specs. Raise and support wire with bridle rings, J-hooks, or other appropriate means. Provide new conduit/wire as required. Fixtures improperly supported or inadequately supported by device boxes – provide proper support per N.E.C.

Work/Trade Coordination:

1. Electrical Contractor shall coordinate the mechanical equipment demolition with the Mechanical Contractor and mechanical demolition plans and general construction demolition with the General Contractor and architectural demolition plans for all equipment to be demolished and schedule time for electrical demolition.
2. Electrical Contractor shall coordinate the removal of the lighting fixtures being used for temporary lighting with the General Contractor.
3. The contractor shall remove all electrical equipment left after wall demolition, including conduit, switch boxes, plates, bridges or any other telephone or electric wiring and equipment. Disconnect all wiring at panels and remove old wiring from plenum.
4. Temporarily relocate electrical equipment as required to accommodate the construction schedule. All areas not under construction must be kept operational during construction. To accomplish this, provide the necessary temporary electrical services. Remove temporary devices upon completion of the project.

Demolition Requirements:

1. Remove abandoned electrical equipment, devices and wiring (i.e., distribution equipment, receptacles, data ports, raceway systems) back to the source panelboard, switchboard, switchgear, communications closet, or cabinet. Abandoned wiring and raceways can result from actions that include the following:
   a. Equipment is removed or relocated.
   b. Fixtures are removed or relocated.
   c. System is no longer used.
   d. There is no demonstrable near term future use for the existing circuit or raceway system.
2. Unused electrical equipment and material should only be left in place if one or more of the following conditions exist:
   a. The removal requires the demolition of other structures or equipment that is still in use. An example is conduit embedded in walls or ductbanks.
   b. The cost of removal is excessive due to hazards, construction methods, or restricted access. A final determination for this condition shall be made by the engineer.
   c. If either of the above two cases exist, remove the conduits, including those above accessible ceilings, to the point that building construction, earth, or paving covers them. Cut conduit beneath or flush with building construction or paving. Plug, cap, or seal the remaining unused conduits. Install blank covers for abandoned boxes and enclosures not removed.
3. Inventory each panelboard where circuits are indicated to be reused. Sequentially consolidate existing circuits within each panelboard with regard to area served. Maximize capacity for service to the project area by including existing spares with the group of circuits breakers to be disconnected as a result of this selective demolition. Prepare a current directory, post demolition, for each panelboard as the base upon which the final directories will be compiled.

Extension/Continuality:

1. Extend existing equipment connections using materials and methods compatible with the existing electrical installation and identified in the Electrical Specifications.
2. When relocation or removal of an electrical device interrupts the continuity of a downstream circuit or device to remain, reroute/modify the circuit as required to maintain circuit continuity. Provide new junction boxes, pullboxes, raceways, wiring, etc., as required.
3. When circuits are interrupted by the removal of a panelboard, the Electrical Contractor shall rewire devices to the nearest panelboard of same voltage requirements with available space. Furnish and install new circuit breakers or utilize spare circuit breakers as required.
4. Where an existing device is removed but the raceway and box remains for circuit continuality, provide an appropriate blank cover plate of material and finish to match the cover plates of the devices in that room.
5. If the continuity of the neutral conductor of a multiwire circuit is interrupted (open), the resultant over or under voltage can cause a fire and/or destruction of electrical equipment. Contractor shall take necessary precautions to preclude the interruption of neutral conductor on a multiwire circuit.
6. Non-demolition areas: Demolition works shall not affect areas not included in demolition. Contractor shall be responsible for the continuity of all services in non-demolition areas. All services shall be maintained at all times. Maintain service by extending, re-routing and reconnecting any circuits effected by demolition. Provide additional conduit/wire as required to maintain service. Circuits in non-demolition areas that are connected to demolished panels and/or circuits shall be re-circuited to the existing panels. Provide temporary power as required during change-over to maintain continuous service. Provide temporary power for all relocated circuits as required to maintain continuous service.
7. Where existing outlets are shown to remain, but are indicated with new circuitry perform the following:
   a. Remove existing circuitry. Provide additional conduit, wiring, etc., necessary to maintain circuit continuity to existing devices on the same circuit that are not to be reincruited.
   b. Provide new wiring device and faceplate.
   c. Recircuit devices as indicated.

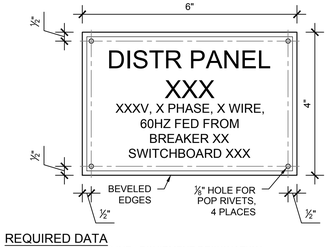
Patching/Repairing:

1. Restore the original fire rating of floors, walls, and ceilings after electrical demolition using a UL classified fire sealant.
2. Except for areas where partitions or ceilings are to be demolished or where new air conditioning or electric is to be installed, contractor shall replace to the existing condition in area of disturbed ceiling. Any water damaged or broken ceiling tiles as the result of contractor's demolition shall also be replaced.
3. Upon completion of the demolition work, the contractor shall provide that all areas be left broom clean.
4. Furnish and install knockout plugs on all existing panels, equipment, and outlet box openings created by the removal or relocation of existing raceways.
5. Where an existing electrical device, equipment, etc., is being removed from an existing wall and that wall is to remain contractor shall patch existing wall to architects satisfaction.

Hazardous Material Disposal:

1. Disconnect and remove all ballasts from fluorescent light fixtures that do not have a labels stating 'BALLAST DOES NOT CONTAIN PCBs' or similar label (BALLAST MAY CONTAIN PCBs). Place PCB ballasts in D.O.T. approved containers. Properly dispose of containers with a federally approved disposal contractor. Disposal shall involve segregation of components for recycling and incineration of PCB contents. All disposal documentation shall be provided to the owner upon completion of the project. Contractor shall maintain an owner approved log sheet for each run.
2. Remove all mercury-containing lamps, do not break or crush. Retain services of a state approved lamp recycling facility able to accept waste 0009. Coordinate packaging required and package, secure, and deliver lamps as required by the selected recycling facility to insure minimum lamp breakage. Minimum of 95% of lamp material must be shipped intact. Contractor must comply with all reporting and paperwork requirements of state laws regarding the handling, transportation, and disposal of hazardous waste including but not limited to filing the required paperwork and manifest with the state and owners as required by law. All disposal documentation shall be provided to the owner upon completion of the project.
3. Where Tritium Exit Signs are indicated for demolition, the contractor shall use the following procedures:
   a. Take care to not drop or damage the exit signs in any way.
   b. Document location sign was removed from, serial number, manufacturer, model #, condition, and removal date.
   c. Store the sign in a central location until demolition completion.
   d. At the completion of the demolition, turn all removed signs over, in their entirety, to the owner with a list and inventory of all of the signs boxed up in the left over packing material from new signs.

Nameplate/Labeling Requirements



REQUIRED DATA

FIRST LINE:	EQUIPMENT DESIGNATION
SECOND LINE:	VOLTAGE, PHASE, No. OF WIRE, FREQUENCY
THIRD AND FOURTH LINES:	POWER SOURCE AND BREAKER
"XXX":	BASED ON FINAL SHOP DRAWING AND INSTALLED EQUIPMENT CIRCUIT NUMBER
TRANSFORMERS:	INCLUDE LINE INDICATING "FEEDS TO"

LETTER SIZE & SPACING

TOP ROW:	1" LETTERS
OTHER ROWS:	½" LETTERS
BETWEEN ROWS:	¼" BETWEEN 1st & 2nd, ½" FOR OTHER ROWS

NOTES

LETTERING SHALL BE WHITE ON A BLACK BACKGROUND FOR TRANSFORMERS, INCLUDE PRI & SEC VOLTAGES, PRI AND SEC CONNECTIONS (E.G., DELTA, WYE, ETC.) AND EQUIPMENT SERVING.

GENERAL LABELING REQ.:

Engraved Plastic Nameplates and Signs: Engraving stock, melamine plastic laminate, minimum 1/16" thick for signs up to 20 sq. in. and ⅛" thick for larger sizes. Engraved legend with white letters on black face for normal power, white letters on red face for emergency power. Punched or drilled for mechanical fasteners. Text at ½" high lettering.

Nameplates shall adequately describe the function of the particular equipment involved. Where nameplates are detailed on the drawings, inscription and size of letters shall be as shown and shop drawing submitted for approval. Nameplates for panelboards and switchboards shall include the panel designation, voltage, phase and wire. The next item shall be panel name. In addition, describe where the panel is fed from. For example,

PANEL 1LA, 120/208V, 3PH, 4W
PP1 PANEL
FED FROM MDP

The service disconnect shall be labeled as the "Service Disconnect," per NEC 230.70(B).

Per NEC 110.24(A) the maximum available fault current and the date the fault current calculation was performed shall be legibly marked on the service equipment. Example: Maximum available fault current: 33,800 Symmetrical RMS Amperes Date 09/12/18.

Per NEC 110.16, "Flash Protection. Switchboards, panel boards, industrial control panels, meter socket enclosures, transfer switches and motor control centers in other than dwelling occupancies, which are likely to require examination, adjustment, servicing, or maintenance while energized, shall be field marked to warn qualified persons of potential electric arc flash hazards. The marking shall be located so as to be clearly visible to qualified persons before examination, adjustment, servicing, or maintenance of the equipment." The NEC labeling requirements apply to any electrical equipment installed or modified after 2002. Warning label shall comply with ANSI Z535.4, which specifies colors and signal words to be used.

Per NEC 408.4(A), every circuit and circuit identification shall be legibly identified as to its clear, evident, and specific purpose of use.

Per NEC 700.7(B) and NEC 701.7, furnish and install warning label that warns of a shock hazard if the grounding electrode conductor or bonding jumper connection in this type of equipment is removed while alternate energy sources are energized.

Electrical Grounding Requirements

THE CONTRACTOR SHALL PROVIDE A GROUNDING CONDUCTOR FOR ALL BRANCH FEEDERS AND CIRCUITS IN ACCORDANCE WITH THE FOLLOWING CHART:

Rating or Setting of Automatic Overcurrent Device in Circuit Ahead of Equipment, Conduit, etc., Not Exceeding (Amperes)	Size (AWG or kcmil)	
	Copper	Al or Copper-Clad Al*
15	14	12
20	12	10
30	10	8
40	10	8
60	10	8
100	8	6
200	6	4
300	4	2
400	3	1
500	2	1/0
600	1	2/0
800	1/0	3/0
1000	2/0	4/0
1200	3/0	250
1600	4/0	350
2000	250	400
2500	350	600
3000	400	600
4000	500	800
5000	700	1200
6000	800	1200

Note: Where necessary to comply with NEC 250.4(A)(5) or (B)(4), the equipment grounding conductor shall be sized larger than given in this table.

Where ungrounded conductors are increased in size, equipment grounding conductors, where installed, shall be increased in size proportionately according to the circular mil area of the ungrounded conductors.

*See installation restrictions in NEC 250.120

Date	12/28/20
Checked	CR
Drawn	CP

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Revisions:

COVER SHEET
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

Job No. 4.1523.01

File No. 4152301E001

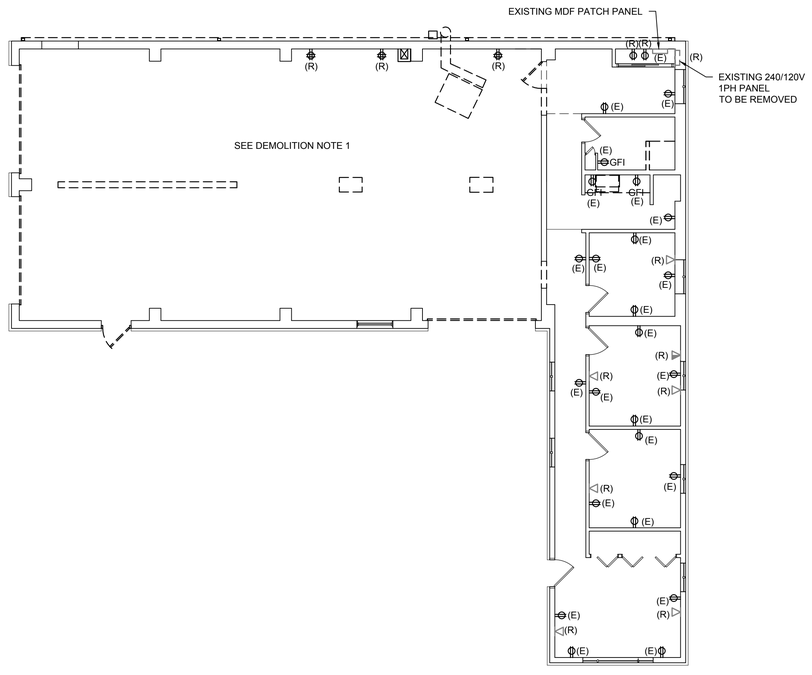
E0.01

Symbols List

	= 20A/120V DUPLEX RECEPTACLE
	= 20A/120V DOUBLE DUPLEX RECEPTACLE
	= COMBINATION VOICE AND DATA TELEPHONE OUTLET
	= SINGLE DATA OUTLET
(E)	= EXISTING RECESSED MOUNTED ELECTRICAL PANELBOARD
(E)	= EXISTING TO REMAIN
GFI	= GROUND FAULT INTERRUPTED
(R)	= EXISTING TO BE DISCONNECTED & REMOVED

DEMOLITION NOTES:

1. SAFE OFF AND SALVAGE EXISTING GARAGE LIGHT FIXTURES FOR REUSE IN PROPOSED STORAGE ROOM.



1 E1.01 ELECTRICAL DEMOLITION PLAN

1/8" = 1'-0"

THIS SCHEDULE IS A SCHEMATIC REPRESENTATION OF THE EXISTING 120/240V PANEL TO BE DEMOLISHED AT SITE BASED ON VISUAL INSPECTION. CONTRACTOR SHALL VERIFY EXACT LOCATION, BRANCH CIRCUIT CONFIGURATION, MAIN RATING, AND AVAILABLE CIRCUITS AND POWER CAPACITY AT SITE.

PANEL NAME: UNNAMED POWER PANEL	TOP/BOTTOM: -	PHASE: 1PH 3W	COPPER BUS FULLY RATED NEUTRAL BAR & FULL EQUIPMENT GROUND
VOLTAGE: 120/240V	PANEL BOARD AND BREAKER KAIC RATING: -	MAIN C.B.: 200A	
MAIN RATING: 200A		MOUNTING: RECESSED	

CKT NO.	LOAD DESCRIPTION	VOLT-AMPS A	VOLT-AMPS B	BRKR AMPS	# OF POLES	# OF POLES	BRKR AMPS	VOLT-AMPS A	VOLT-AMPS B	LOAD DESCRIPTION	CKT NO.
1	GARAGE FURN & PUMP	-		-	-	-	-	-		AIR COMPRESSOR	2
3	-		-	-	-	-	-		-	AIR COMPRESSOR	4
5	-	-		-	-	-	-	-		KITCHEN LIGHTS	6
7	-		-	-	-	-	-		-	U/S HALL LIGHTS	8
9	GARAGE DOOR	-		-	-	-	-	-		-	10
11	-		-	-	-	-	-		-	-	12
13	OUTDOOR LIGHTS	-		-	-	-	-	-		-	14
15	-		-	-	-	-	-		-	-	16
17	WATER HEATER	-		-	-	-	-	-		-	18
19	-		-	-	-	-	-		-	-	20
21	-	-		-	-	-	-	-		-	22
23	-		-	-	-	-	-		-	-	24
25	-	-		-	-	-	-	-		-	26
27	-		-	-	-	-	-		-	-	28
29	-	-		-	-	-	-	-		-	30
TOTALS		#####	###	A:		B:		#####	#####		TOTALS
PHASE TOTALS VA				#####		#####					
TOTAL CONNECTED KVA				###							
TOTAL CONNECTED AMPS				###							

2 E1.01 EXISTING UNNAMED POWER PANEL SCHEDULE

Date	12/28/20
Checked	
Drawn	

CR
CP

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Revisions:

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ELECTRICAL DEMOLITION PLAN
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

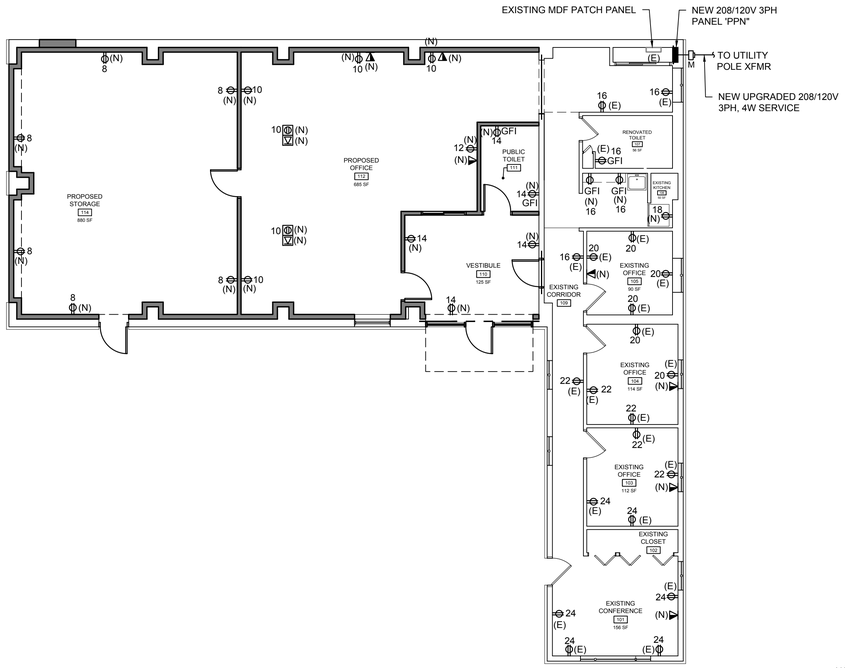
Job No. 4.1523.01

File No. 4152301E101

E1.01

Symbols List

	= 20A/120V DUPLEX RECEPTACLE
	= 20A/120V DOUBLE DUPLEX RECEPTACLE
	= COMBINATION VOICE AND DATA TELEPHONE OUTLET
	= SINGLE DATA OUTLET
(E)	= EXISTING TO REMAIN
(N)	= NEW
GFI	= GROUND FAULT INTERRUPTED
(R)	= EXISTING TO BE DISCONNECTED & REMOVED
	= NEW RECESSED MOUNTED ELECTRICAL PANELBOARD -208/120v
M	= ELECTRICAL UTILITY METER
	= FLOOR MOUNTED DUPLEX RECEPTACLE
	= FLOOR MOUNTED DUAL DATA OUTLET

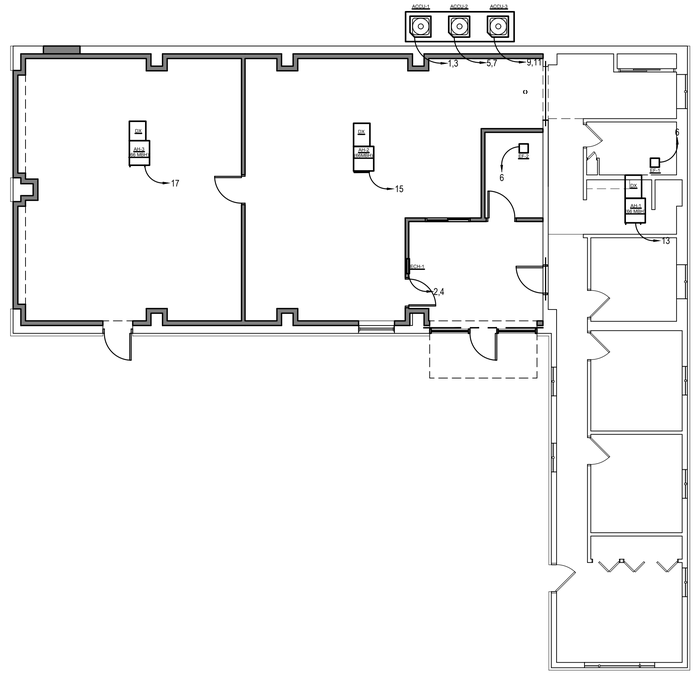


1 E2.01 PROPOSED POWER PLAN

1/8" = 1'-0"

NORTH

ALL CIRCUITS ARE CONNECTED TO PANEL PPN U.O.N.

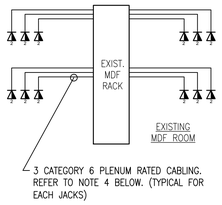


3 E2.01 PROPOSED MECHANICAL EQUIPMENT POWER PLAN

1/8" = 1'-0"

NORTH

ALL CIRCUITS ARE CONNECTED TO PANEL PPN U.O.N.

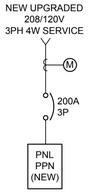


NOTES:

1. QUANTITIES INDICATED ON ONE LINE DIAGRAM IS FOR REFERENCE ONLY. REFER TO FLOOR PLANS FOR EXACT QUANTITIES AND LOCATIONS.
2. PROVIDE & INSTALL (3) CAT. 6 CABLE FROM EXISTING MDF RACK TO EACH RESPECTIVE DATA/VOICE/TELEPHONE JACK.
3. ALL DATA CABLES ARE TO BE PUNCHED DOWN AND IDENTIFIED IN THE COMP./COMM ROOM 108 ON CAT-6 RJ45 COMPATIBLE PATCH PANELS, MOUNTED IN THE MDF RACK. ALL TELEPHONE CABLES ARE TO BE PUNCHED DOWN AND IDENTIFIED IN 110/MI-50 BLOCKS, WALL MOUNTED ON PLYWOOD IN COMPUTER ROOM. THE CORRESPONDING END OF ALL CABLES AT MODULAR WORK STATIONS AND OFFICE WALLS ARE TO BE TERMINATED AND IDENTIFIED IN RJ45/T568B CAT-6 JACKS. ALL TERMINATIONS MUST FOLLOW T1A/EIA 568 B PIN OUTS.
4. EACH VOICE/DATA DROP ON EACH COUNTER WORKSTATION WILL CONSIST OF 1 CAT6 CABLE FOR VOICE AND 2 CAT6 CABLES PLENUM RATED FOR DATA.

2 E2.01 TELEPHONE, COMMUNICATION, DATA ONE LINE DIAGRAM

NTS



4 E2.01 PROPOSED POWER ONE LINE DIAGRAM

NTS

LOCATED IN ELECTRICAL CLOSET

PANEL NAME: PPN (NEW)	TOP/BOTTOM: -	PHASE: 3PH - 4W	COPPER BUS FULLY RATED NEUTRAL BAR & FULL EQUIPMENT GROUND
VOLTAGE: 120/208V	PANEL BOARD AND BREAKER KAIC RATING: -	MAIN C.B.: 200A	
MAIN RATING: 200A		MOUNTING: RECESSED	

CKT NO.	LOAD DESCRIPTION	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	BRKR AMPS	# OF POLES	# OF POLES	BRKR AMPS	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	LOAD DESCRIPTION	CKT NO.
1	ACCU-1	1768			25	2	2	20	1250			ECH-1	2
3			1768							1250			4
5	ACCU-2			1768	25	2	1	15			72	EF-1, EF-2	6
7		1768					1	20	1080			STORAGE RECEPT.	8
9	ACCU-3		1768		25	2	1	20		1080		OFFICE 114 RECEPT.	10
11				1768			1	20			1800	OFFICE 114 COPIER	12
13	AH-1	1440			15	1	1	20	900			VESTIBULE 110 & TOILET 111 RECEPT.	14
15	AH-2		1440		15	1	1	20		1080		KITCHEN 106 TOILET 107 & CORRIDOR 109 RECEPT.	16
17	AH-3			1440	15	1	1	20			1800	KITCHEN 106 REFRIGERATOR	18
19	LIGHTING ROOMS 101-109	952			20	1	1	20	1080			OFFICE 105 & OFFICE 104 RECEPT.	20
21	LIGHTING ROOMS 110-112		907		20	1	1	20		900		OFFICE 104 OFFICE 103 & CORRIDOR 109 RECEPT.	22
23	LIGHTING STORAGE 114			500	20	1	1	20			1080	OFFICE 103 & CONF. ROOM 101 RECEPT.	24
25	-	-			-	-	-	-	-			-	26
27	-		-		-	-	-	-		-		-	28
29	-			-	-	-	-	-			-	-	30
31	-	-			-	-	-	-	-			-	32
33	-		-		-	-	-	-		-		-	34
35	-			-	-	-	-	-			-	-	36
37	-	-			-	-	-	-	-			-	38
39	-		-		-	-	-	-		-		-	40
41	-			-	-	-	-	-			-	-	42
TOTALS		5,928	5,883	5,476					4,310	4,310	4,752	TOTALS	
PHASE TOTALS VA				A: 10,238		B: 10,193		C: 10,228					
TOTAL CONNECTED KVA						30.7							
TOTAL CONNECTED AMPS						85.2							

Date	12/28/20
Checked	CR
Drawn	CP

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Revisions:

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PROPOSED ELECTRICAL PLAN
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

Job No. 4.1523.01

File No. 4152301E201

E2.01

Symbols List

= 24" X 24" LIGHT FIXTURE

= 5.3" X 24" LIGHT FIXTURE

= 18" X 24" LIGHT FIXTURE

$S^{(a)}_{(3)}$ = nLIGHT CONTROL SWITCH. (3) INDICATES 3-WAY SWITCH. (a) INDICATES FIXTURES CONTROLLED.

= EMERGENCY LIGHT WITH BATTERY BACK-UP

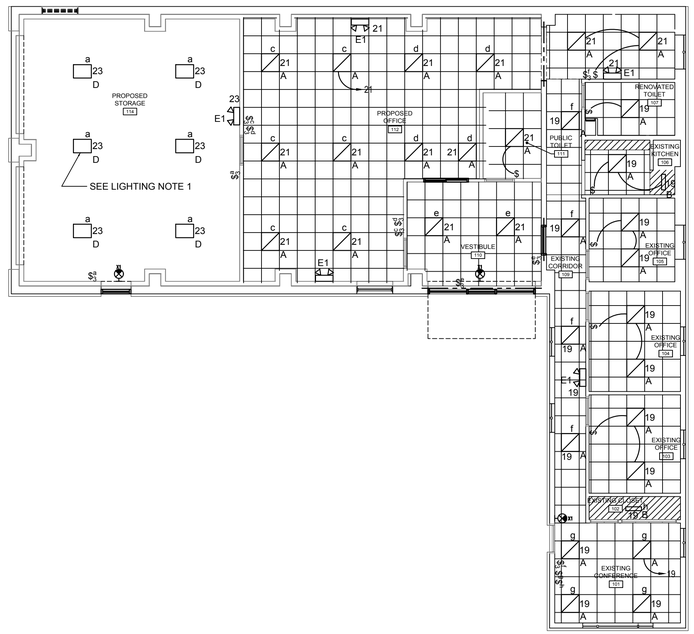
= EXIT LIGHT

LIGHTING NOTE:

1. REUSE EXISTING GARAGE LIGHTS SALVAGED FROM DEMOLITION FOR PROPOSED STORAGE AREA. CONTRACTOR TO VERIFY SIZE, WATTAGE, AND VOLTAGE FROM THE SALVAGED FIXTURES AT SITE.

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	MODEL	LUMENS	DIMENSIONS	VOLTAGE	REMARKS
A	LITHONIA	ENVX 2X2 HRG 4800LM 90CRI 35K MIN1 EZT VOLTS NLTAIR2 RES7PDT R56	4800	24" X 24"	120	INCLUDES BUILT-IN INTEGRAL OCCUPANCY SENSOR
B	LITHONIA	BLWP2 8L ADPT VOLTS EZ1 LP935 NLTAIR2 RES7PDT COLOR R56	800	5.3" X 24"	120	INCLUDES BUILT-IN INTEGRAL OCCUPANCY SENSOR
D	-	-	-	18" X 24"	120	EXISTING GARAGE LIGHT FIXTURES REUSED FOR PROPOSED STORAGE AREA
X1	-	-	-	-	120	THIN PROFILE, EDGE LIT, SELF POWERED EXIT SIGN WITH NICKEL CADMIUM BATTERY
E1	-	-	-	-	120	TWO-HEAD EMERGENCY LIGHTING UNIT WITH 90-MINUTE RUN TIME AT 24 WATTS



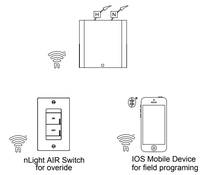
1 E5.01 PROPOSED LIGHTING PLAN

1/8" = 1'-0"

ALL CIRCUITS ARE CONNECTED TO PANEL PPN U.O.N.

TYPICAL DETAIL INTERGRAL SENSOR AND WIRELESS SWITCH FOR OVERRIDE NLTAIR2 OPTION

NTS



nLIGHT AIR wireless battery powered wall switch paired with Acuity Brands LED lighting fixtures embedded with smart wireless sensor.

System Notes:

1. LED fixture embedded with nLIGHT Air Smart Sensor shall be supplied with an EldoLED Driver, only.
2. Install LED fixture as per NEC requirements.
3. Install battery powered wireless wall switch into a single gang backbox and screw down wall plate.
4. With the CLAIRITY app by Acuity Brands, pair the wall switch(es) to the LED light fixture(s) via Bluetooth technology. Program sensor and switch settings according to room function, as specified. CLAIRITY APP is for programming purposes only.
5. Lighting control communicates over standards-based 900Mhz technology via the associated switches and sensors.

	Occupancy Sensor			Time Clock			Wall Switch				Daylight Sensor		OTHER		
	Vacancy Mode	Occupancy Mode	Sensor Timeout Period (Minutes)	Dual Technology	Scheduled On At	Scheduled Off At	Schedule Override Switch	Manual (On/Off)	Manual Dimming	Key Switch	Scene Control	Graphical Touchscreen	Switching (On/Off)	Dimming	Target Light Level (FC)	Exterior Location	Plug Load Controls	Notes
Private Office	X		10 min	X					X					X	30			
Conference Room	X		10 min	X					X					X	30			
Lobby		X	10 min	X					X					X	30			1
Corridor		X	10 min					X										
Private Restroom	X		10 min					X										
Public Restroom		X	10 min	X				X										
Storage	X		10 min	X					X									

1. Lights shall automatically turn on at 50% and turn off when the space is vacant.
2. Lights shall automatically turn on at 100%, dim to 30% when unoccupied, and turn off after 5 minutes of additional vacancy.
3. Lights shall turn on at dusk and turn off at close of business. In the morning, lights shall turn on at time of expected occupancy and turn off at dawn.

*Lighting shall be additionally controlled by a device that automatically turns off (or disables) artificial lighting when sufficient daylight is available.
This table should be verified prior to place an order.
For verified designs or bills of material, contact your local Acuity Brands representative.

2 E5.01 TYPICAL INTEGRAL SENSOR AND NLIGHT WIRELESS SWITCH DETAIL

NTS

Date 12/28/20
Checked CR
Drawn CP

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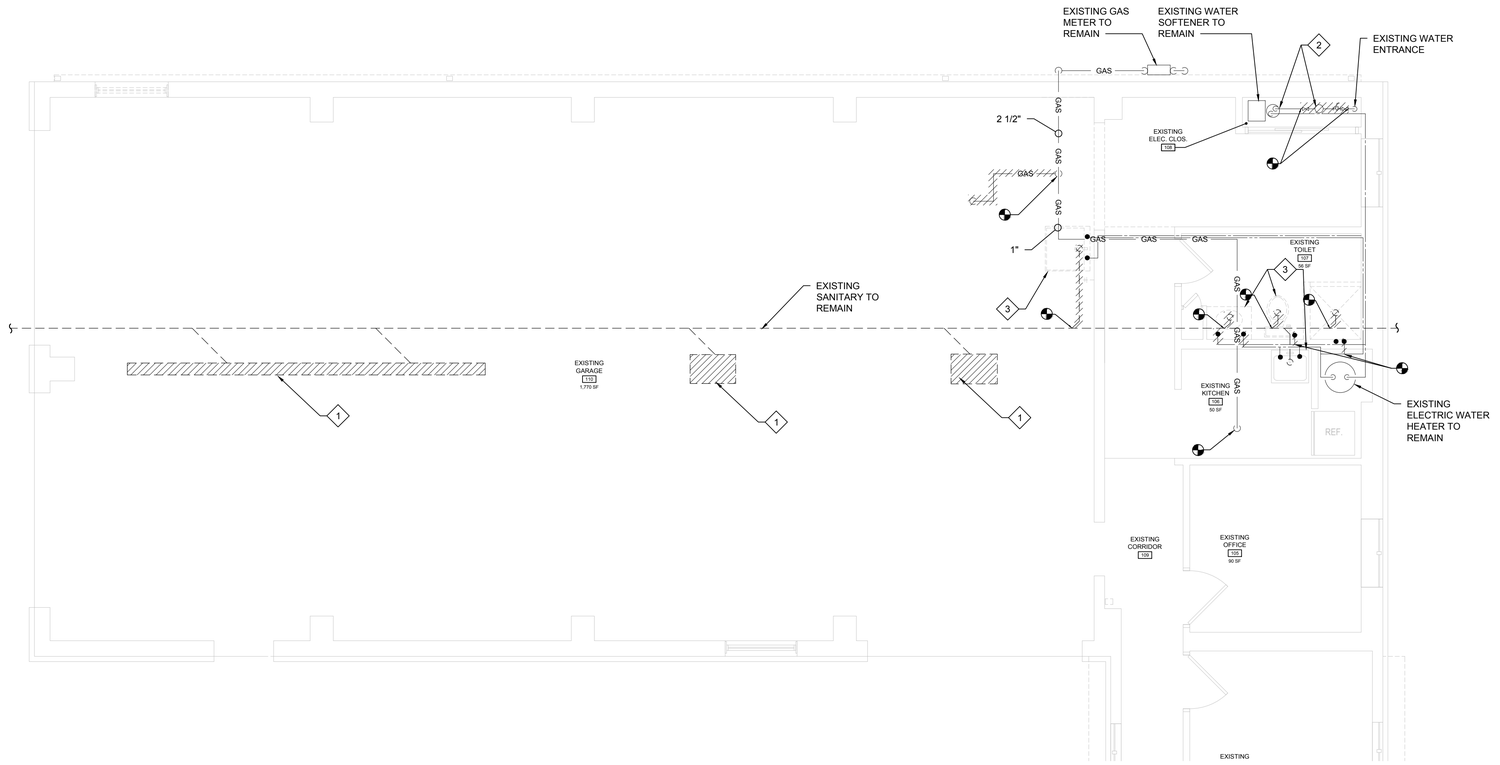
PROPOSED LIGHTING PLAN & DETAILS
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

Job No. 4.1523.01
File No. 4152301_E501

E5.01



1 P1.01 PARTIAL PLUMBING FLOOR PLAN DEMOLITION

1/4" = 1'-0"

NORTH

PLUMBING KEYED NOTES	
1	EXIST. DRAINS TO BE DEMOLISHED. CAP AND SEAL SANITARY AND VENT LINE. (TYP.)
2	EXIST, WATER SOFTENER, WATER METER, PRESSURE REDUCING VALVE, & ISOLATION VALVES TO BE DEMOLISHED
3	EXIST. PLUMBING FIXTURE TO BE DEMOLISHED. REUSE SAN. HOT WATER, COLD WATER FOR THE FIXTURES TO BE REPLACED.

Date 12/28/20
Checked MAM
Drawn MAM

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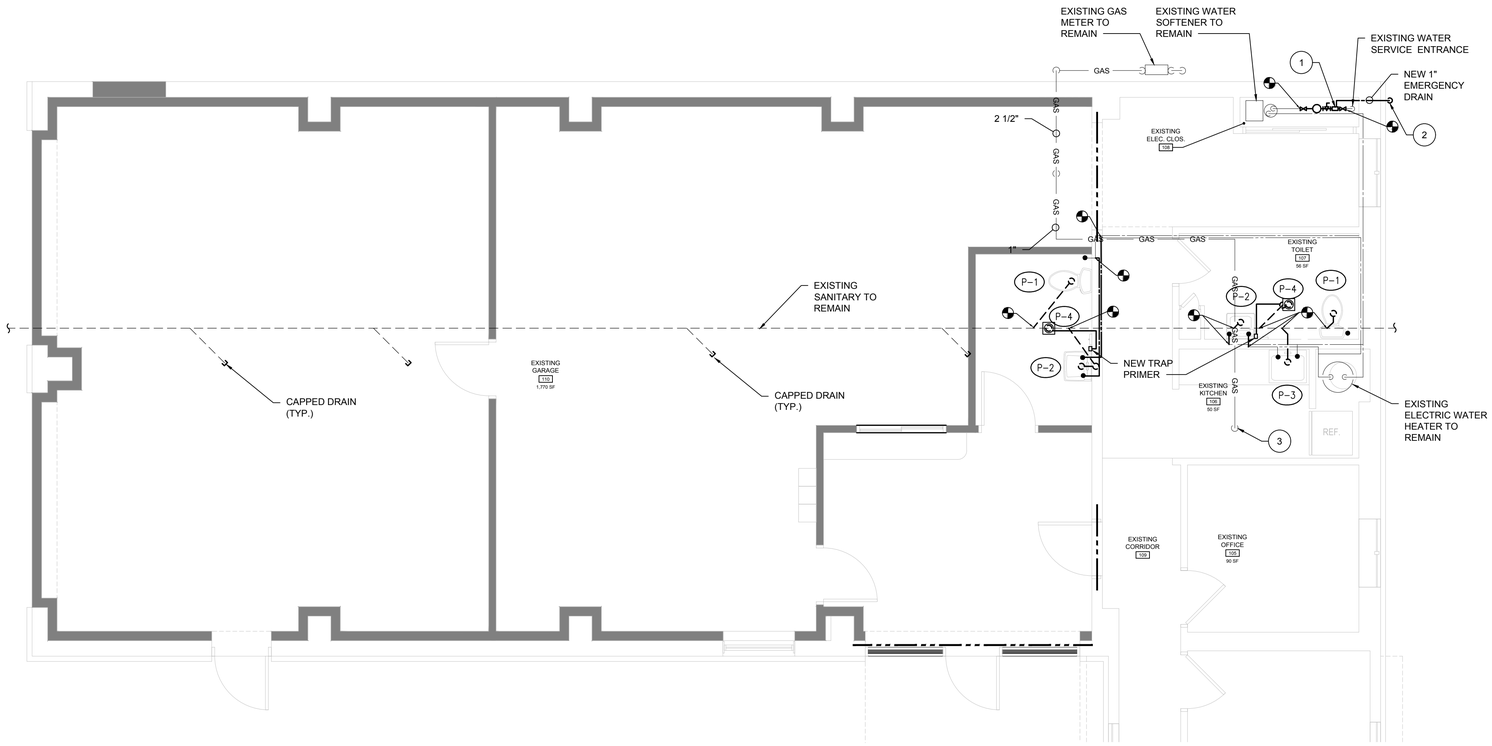
PARTIAL PLUMBING PLAN DEMOLITION
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
HIGHLAND MILLS NEW YORK 10930

Job No. 4.1523.01
File No. 4152301_P101

P1.01



1 PARTIAL PLUMBING FLOOR PLAN PROPOSED
P2.01

1/4" = 1'-0"

NORTH

PLUMBING KEYED NOTES

1	PROVIDE NEW DOMESTIC BACKFLOW PREVENTER RPZ VALVE, ISOLATION VALVES, & PRESSURE REDUCER. REFER TO DETAIL 5 DWG. P6.01
2	ROUTE 1" EMERGENCY RELIEF PIPING OUTSIDE THE BUILDING.
3	REFER TO MECHANICAL DRAWING FOR GAS PIPING CONNECTIONS TO NEW UNITS.

Date	12/28/20
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PARTIAL PLUMBING PLAN PROPOSED
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
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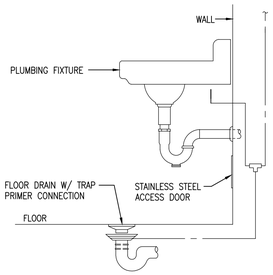
Job No. 4.1523.01

File No. 4152301_P101

P2.01

PLUMBING FIXTURE SCHEDULE

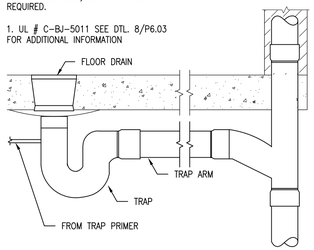
NUMBER	FIXTURE	MANUFACTURER	MODEL NO.	SUPPLY PIPE NO.	TRAP NO.	SUPPORT NO.	PIPE SIZES					NOTES
							TRAP	WASTE	VENT	CW	HW	
P-1	ADA WATER CLOSET	AMERICAN STANDARD	CADET PRO #215BA.104	–	–	J.R. SMITH 0210Y–M54	INTEGRAL	4"	2"	1/2"	–	ROUND FRONT ADA TOILET. (1.28GPF). FIXTURE COLOR SHALL BE WHITE. INSTALL CARRIER TO MEET ADA REQUIREMENTS.
P-2	ADA LAVATORY	AMERICAN STANDARD	LUCERNE 0355.012	SLOAN ETF–880 –4–B–BDT	–	–	1–1/2"	1–1/2"	1–1/2"	1/2"	1/2"	WALL HUNG LAVATORY WITH CONCEALED ARM SUPPORT. PROVIDE WITH SLOAN FAUCET 0.5 GPM. INSTALL ADA LAVATORIES TO MEET ADA HEIGHT REQUIREMENTS. PROVIDE BELOW DECK THERMOSTATIC MIXING VALVE, LIMIT OUTLET TEMPERATURE TO 110°F MAX. COLOR TO BE SELECTED BY OWNER. PROVIDE EL–248 120VAC/24 VAC, 50/60 HZ (40VA) BOX MOUNT TRANSFORMER.
P-3	SINK	AMERICAN STANDARD	COLONY #20SB.82522883C.075	MCGUIRE 158	McGUIRE LF158	McGUIRE 8902C	1-1/2" x 1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	25"x22" TOP MOUNTED SINK W/ 3 HOLE 20 GAUGE 304 STAINLESS STEEL. PROVIDE W/ EXPOSED DECK FAUCET W/ 8" GOOSENECK SPOUT 4" WRIST-BLADE HANDLES, ELKAY GRID DRAIN & TAILPIECE #LK18B & WATTS TMV #LFMMV-US-M1. INSTALL TO MEET ADA REQUIREMENTS.
P-4	FLOOR DRAIN	J.R. SMITH	#2030T–H–B–NB	–	P–TRAP	–	3"	3"	2"	–	–	FLOOR DRAIN WITH SQUARE TOP, HINGED GRATE, SEDIMENT BUCKET, TRAP PRIMER CONNECTION, & NICKEL BRONZE TOP.



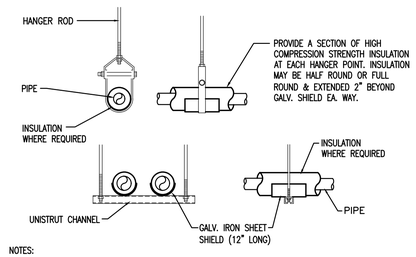
1 P6.01 FLOOR DRAIN & TRAP PRIMER
N.T.S.

NOTES: (FOR PLUMBING PIPE PENETRATIONS THRU FLOOR SLAB) 2–HOUR FIRE RATING REQUIRED.

1. UL # C–BJ–5011 SEE DTL. 8/P6.03 FOR ADDITIONAL INFORMATION



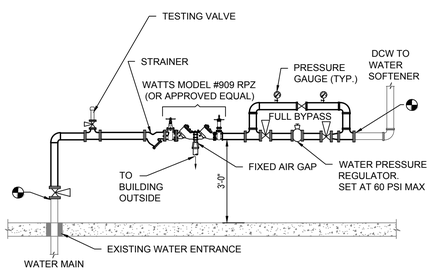
2 P6.01 FLOOR DRAIN DETAIL
N.T.S.



NOTES:

1. ATTACH SUPPORTS FOR ALL PIPING SUSPENDED FROM THE STEEL STRUCTURE TO THE TOP CORD OF JOISTS OR BEAMS.
2. PROVIDE COPPER OR PLASTIC COATED HANGERS FOR NON–INSULATED COPPER PIPE.

3 P6.01 PIPE SUPPORT HANGERS
N.T.S.



NOTES:

1. ALL PIPING SHALL BE COPPER TYPE "L" W/ SOLDERED FITTINGS (LEAD FREE TYPE). PROVIDE ALL REQUIRED DIELECTRIC FITTINGS FOR CONNECTIONS OF DISSIMILAR METALS.
2. PROVIDE 1/2" DIA. PIPE SUPPORTS FOR RPZ & HORIZONTAL PIPING. THE QUANTITY SHALL BE DETERMINED IN FIELD.
3. RPZ SHALL BE INSTALLED MIN. 8" FROM WALL. INSTALLATION SHALL CONFORM W/ LOCAL WATER COMPANY REGULATIONS & ALL CITY, COUNTY AND STATE HEALTH DEPARTMENT REQUIREMENTS.

5 P6.01 BACKFLOW PREVENTER PIPING DETAIL
N.T.S.

PLUMBING GENERAL NOTES

1. ALL WORK SHALL CONFORM TO LATEST EDITION OF NEW YORK STATE ENERGY CODE & PLUMBING CODE, AND ALL OTHER APPLICABLE CODES, ORDINANCES, AND LOCAL AUTHORITY HAVING JURISDICTION.
2. CONTRACTOR SHALL VISIT JOB SITE AND NOTE ALL EXISTING CONDITIONS TO BE MET BEFORE SUBMITTING BID. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND SHOW THE INTENT OF WORK.
3. CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE EXTENT AND SCOPE OF THE WORK PRIOR TO SUBMITTING BIDS OR COMMENCING WORK.
4. CONTRACTOR TO PROCURE AND PAY FOR ALL NECESSARY PERMITS AND LICENSES REQUIRED TO CARRY OUT WORK, OBTAIN AND PAY FOR ALL NECESSARY CERTIFICATES OF APPROVAL FOR WORK, AND PAY FOR ANY LEGAL FEES.
5. INSTALLATION TO COMPLY WITH ALL FEDERAL, STATE, MUNICIPAL LAWS, AND ALL CODES, RULES, ORDINANCES, AND REGULATIONS OF HEALTH, PUBLIC OR OTHER AUTHORITIES CONTROLLING OR LIMITING THE METHODS, MATERIALS TO BE USED OR ACTIONS OF THOSE EMPLOYED IN THE WORK.
6. CONTRACTOR SHALL REVIEW DRAWINGS AND FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING WORK. CONTRACTOR SHALL REPORT ANY DISCREPANCIES, AND ADDRESS ALL QUESTIONS TO ARCHITECT/ENGINEER PRIOR TO COMMENCING WORK.
7. PIPE INSTALLATION AS FOLLOWS:
   a) RUN ALL PIPING CONCEALED IN CEILINGS, WALLS AND PARTITIONS.
   b) ALL PIPING TO BE PITCHED TO LOW POINTS WITH DRAIN VALVES. STORM AND WASTE PIPING SHALL BE SLOPED PER LATEST PLUMBING CODE.
   c) SLEEVE PIPING THAT PASSES THROUGH WALLS.
   d) INSTALL PITCH POCKETS & FLASH ALL PIPING THAT PASSES THROUGH ROOF.
   e) PROVIDE ROD HANGERS WITH CLEVIS PIPE SUPPORT PER SPECIFICATION.
   f) PROVIDE VALVES REQUIRED FOR COMPLETE CONTROL OF ALL SYSTEMS. STOP VALVES FOR SUPPLY TO ALL FIXTURES TO BE CHROME PLATED WHERE EXPOSED.
   g) PROVIDE ACCESS DOORS FOR ALL CONCEALED VALVES AND CLEANOUTS.
   h) CORE–DRILL FLOOR SLABS & PROVIDE 2–HR RATED FIRE STOPPING MATERIALS FOR ALL PIPE PENENTRATION THROUGH FLOOR SLABS.
8. CONTRACTOR TO PERFORM ALL TESTING OF THE PLUMBING WORK IN THE PRESENCE OF THE CONSTRUCTION MANAGER & OWNER. PROVIDE ALL APPARATUS, TEMPORARY CONNECTIONS, AND OTHER REQUIREMENTS TO DO SUCH TESTS. ANY DEFECTS, LEAKS, ETC. WILL BE REPLACED AND TEST REPEATED UNTIL TEST REQUIREMENTS ARE MET. SUBMIT TEST REPORT PAPERWORK INDICATING DURATION, RESULTS AND SIGNED BY CONSTRUCTION CM & OWNER.
9. SUBMIT SHOP DRAWINGS OF ALL WORK TO BE DONE, EQUIPMENT, AND FIXTURES FURNISHED.
10. PLUMBING CONTRACTOR TO CARRY OUT PERIODIC CLEANING TO REMOVE RUBBISH ETC., TO LEAVE PREMISES FREE FROM DEBRIS, AND DISCARDED MATERIALS. AFTER INSTALLATION, CLEAN FIXTURES, FITTINGS, ETC. AND LEAVE READY FOR USE.
11. CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLISHED MATERIAL OF SITE IN AN APPROVED MANNER.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP WORK AREAS UPON COMPLETION OF WORK.
13. ALL PLUMBING FIXTURES FAUCETS, FITTINGS AND VALVES SHALL MEET NSF/ASME 372 LEAD PERCENTAGE.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING ALL NEW/REPLACED WATER DRINKING OUTLETS PER SED AND DOH REQUIREMENTS, AND TWO (2) COPIES OF FINAL REPORT MUST BE SUBMITTED, ONE TO THE ENGINEER OF RECORD, THE OTHER ONE TO THE OWNER.

PLUMBING SYSTEM MATERIALS

PIPING:

WASTE & VENT PIPING BELOW GRADE SHALL BE SERVICE WEIGHT PVC PIPE WITH GASKETS. ABOVE GRADE SHALL BE NO–HUB SERVICE WEIGHT CAST IRON PIPE WITH STAINLESS STEEL SHIELDED COUPLINGS.

HOT AND COLD WATER PIPING ABOVE GRADE SHALL BE TYPE "L" COPPER WITH WROUGHT COPPER. PRO PRESS FITTINGS ARE APPROVED TO BE USED ON THIS PROJECT. BELOW GRADE SHALL BE TYPE "K" COPPER WITH NO FITTINGS.

INSULATION:

ALL HOT AND COLD WATER PIPING SHALL BE INSULATED WITH 1" THICK FIBERGLASS PIPE INSULATION WITH ASJ JACKET.

LAVATORY PROTECTIVE ENCLOSURE:

FOR ALL LAVATORIES, INSTALL PROTECTIVE ENCLOSURE "LAV SHIELD" W/ TAMPER–RESISTANT SCREWS BY TRUEBRO OR APPROVED EQUAL.

GENERAL PLUMBING NOTES

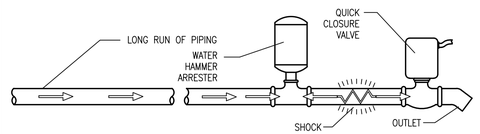
1. CONTRACTOR SHALL CHECK IN FIELD FOR EXACT ROUTING OF PLUMBING PIPING. CORE-DRILL FOR NEW PIPE PENETRATIONS & PROVIDE ALL PIPE ELBOWS, FITTINGS, ETC. REQUIRED FOR THE PROJECT.
2. ALL NEW PLUMBING PIPING SHALL BE INSTALLED CONCEALED ABOVE CEILING & ALL VERTICAL PIPING SHALL BE INSTALLED CONCEALED IN CHASES, UNLESS OTHERWISE NOTED.
3. CONTRACTOR IS RESPONSIBLE TO SAWCUT EXIST. FLOOR SLABS & CORE-DRILL EXIST. WALLS AS REQUIRED. PATCH/SEAL/CAULK & PAINT TO MATCH EXISTING.

SYMBOL LEGEND

- NEW COLD WATER PIPING
- EXISTING CW LINE TO REMAIN
- EXISTING CW LINE TO BE REMOVED
- NEW HOT WATER PIPING
- EXISTING HW LINE TO REMAIN
- EXISTING HW LINE TO BE REMOVED
- EXISTING HWR LINE TO REMAIN
- NEW BALL VALVE FIXTURE SHUTOFF
- ISOLATION BALL VALVE
- POINT OF CONNECTION
- P–X — PLUMBING FIXTURE DESIGNATION

SIZING & PLACEMENT OF WATER HAMMER ARRESTER (WHA)

THE FOLLOWING CHART INDICATES THE SIZE OF THE WATER ARRESTER REQUIRED FOR LONG RUNS OF PIPING WHICH FEED A SINGLE REMOTE FIXTURE OR APPLIANCE. THE WATER ARRESTER UNIT SHALL BE SIZED BY USING THE CHART AND LOCATED AS CLOSE TO THE POINT OF QUICK CLOSURE AS POSSIBLE.



WATER HAMMER ARRESTER SELECTION CHART

LENGTH OF PIPE	NOMINAL PIPE SIZE		
	1/2"	3/4"	1"
25'	5005	5005	5010
50'	5005	5010	5020
75'	5010	5020	5030
100'	5020	5030	5040
125'	5020	5030	5050
150'	5030	5040	5050

NOTE: THE ABOVE CHART SHOWS LENGTHS OF RUN OF BRANCH PIPING. THE LENGTH OF RUN USED SHALL BE THE LENGTH OF PIPE FROM POINT OF VALVE CLOSURE TO A POINT OF RELIEF, SUCH AS LARGE PIPE RISER TWICE THE SIZE OF THE BRANCH LINE, MAIN LINE OR WATER TANK.

ALL SIZING RECOMMENDATIONS SHOWN ON THE ABOVE CHART ARE BASED ON AN OPERATING WATER PRESSURE OF 65 PSI OR UNDER AN AVERAGE VELOCITY BETWEEN 5 AND 10 FEET PER SECOND. IF OPERATING PRESSURE IS OVER 65 PSI USE THE NEXT LARGER WATER HAMMER ARRESTER UNIT. WHEN PRESSURE IS ANTICIPATED ABOVE 80 PSI A PRESSURE REDUCING VALVE IS REQUIRED.

Date 12/28/20
Checked MAM
Drawn MAM

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Revisions:

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PLUMBING SCHEDULES, DETAILS & NOTES
Interior Renovations
VILLAGE BUILDING DEPARTMENT (AKA OSWEILER BUILDING)
19 ADAMS STREET
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Job No. 4.1523.01
File No. 4152301_P101

P6.01