SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

2022 CAPITAL IMPROVEMENTS PROJECT

160 VAN WYCK ROAD, BLAUVELT, NEW YORK 10913

COTTAGE LANE ELEMENTARY S.E.D. NO. 50-03-01-06-0010-021

SOUTH ORANGETOWN MIDDLE SCHOOL S.E.D. NO. 50-03-01-06-0-013-028

TAPPAN ZEE HIGH SCHOOL S.E.D. NO. 50-03-01-06-0-006-031

OWNER

SO. ORANGETOWN CENTRAL SCHOOL DISTRICT
160 VAN WYCK ROAD
BLAUVELT, NEW YORK 10913
PHONE: 845-680-1000

ARCHITECT

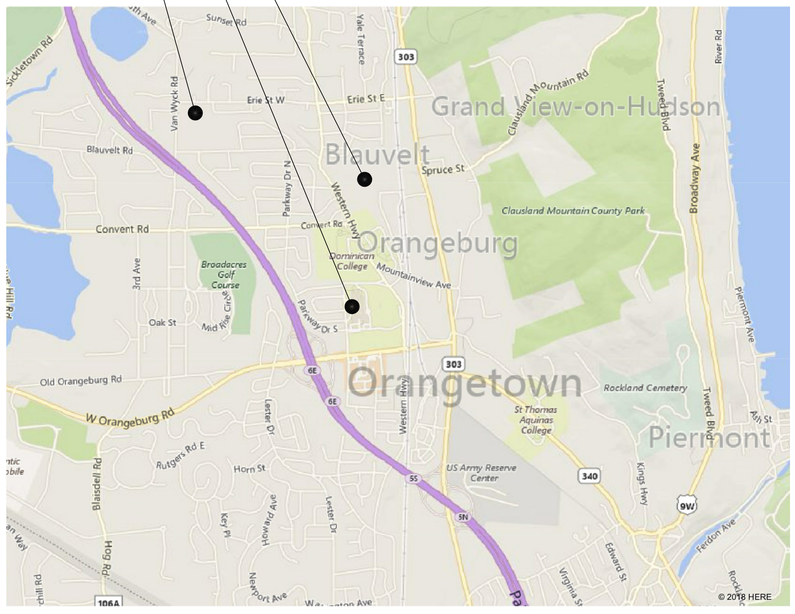
CPL
50 FRONT STREET, SUITE 202
NEWBURGH, NEW YORK 12550
PHONE: 800-274-9000

LOCATION MAP

SOUTH ORANGETOWN MIDDLE SCHOOL
160 VAN WYKE ROAD, BLAUVELT, NEW YORK 10913

TAPPAN ZEE HIGH SCHOOL
15 DUTCH HILL ROAD, ORANGEBURG, NEW YORK 10962

COTTAGE LANE ELEMENTARY SCHOOL
120 COTTAGE LANE, BLAUVELT NEW YORK 10983



DRAWING LIST

GENERAL:

GEN-T001	TITLE SHEET
CLES-U01	CLES OVERALL FLOOR CODE PLAN
SOMS-U01	SOMS OVERALL GROUND FLOOR CODE PLAN
SOMS-UO2	SOMS OVERALL FIRST FLOOR CODE PLAN
TZHS-U01	TZHS OVERALL FIRST FLOOR CODE PLAN
TZHS-U02	TZHS OVERALL SECOND FLOOR CODE PLAN

ASBESTOS ABATEMENT:

CLES-HZ101	CLES ABATEMENT FLOOR PLAN
SOMS-HZ101	SOMS GROUND AND FIRST FLOOR ABATEMENT PLANS
TZHS-HZ101	TZHS FIRST AND SECOND FLOOR ABATEMENT PLANS

ARCHITECTURAL:

CLES-A101	CLES DEMOLITION AND RECONSTRUCTION PLANS AND ELEVATIONS
SOMS-A101	SOMS GROUND FLOOR DEMOLITION AND RECONSTRUCTION PLANS AND ELEVATIONS
SOMS-A102	SOMS FIRST FLOOR DEMOLITION AND RECONSTRUCTION PLANS AND ELEVATIONS
TZHS-A101	TZHS FIRST AND SECOND FLOOR DEMOLITION PLANS
TZHS-A201	TZHS FIRST AND SECOND FLOOR RECONSTRUCTION PLANS
TZHS-A601	TZHS FIRST AND SECOND FLOOR CEILING PLANS
TZHS-A701	TZHS TOILET ROOM ELEVATIONS
TZHS-A702	TZHS TOILET ROOM ELEVATIONS
GEN-A801	SCHEDULES, DETAILS AND WALL TYPES

MECHANICAL:

GEN-H000	HVAC SYMBOLS LIST AND GENERAL NOTES
CLES-H101	TOILET ROOM HVAC DEMOLITION AND NEW WORK PLAN
SOMS-H101	TOILET ROOM HVAC DEMOLITION AND NEW WORK PLAN
TZHS-H101	TOILET ROOM HVAC PARTIAL FIRST AND SECOND FLOOR DEMOLITION PLAN
TZHS-H201	TOILET ROOM HVAC FIRST FLOOR NEW WORK PLAN
GEN-H800	HVAC DETAILS
GEN-H900	HVAC SCHEDULES AND CONTROLS DIAGRAM

PLUMBING:

GEN-P001	PLUMBING LEGENDS, ABBREVIATIONS, NOTES, DETAILS AND SCHEDULES
CLES-P201	CLES TOILET ROOMS - PLUMBING DEMOLITION AND NEW WORK PLAN
SOMS-P101	SOMS PLUMBING DEMO PLAN
SOMS-P201	SOMS PLUMBING SANITARY & DOMESTIC PLANS
TZHS-P101	TZHS PLUMBING DEMO PLAN
TZHS-P201	TZHS PLUMBING SANITARY & DOMESTIC PLANS
TZHS-P301	TZHS PLUMBING DOMESTIC PLAN

ELECTRICAL:

GEN-E000	ELECTRICAL SYMBOLS AND ABBREVIATIONS
CLES-E101	COTTAGE LANE FIRST FLOOR DEMOLITION PLAN
CLES-E201	COTTAGE LANE FIRST FLOOR NEW WORK PLAN
SOMS-E101	S.O. MIDDLE SCHOOL GROUND AND FIRST FLOOR DEMOLITION PLANS
SOMS-E201	S.O. MIDDLE SCHOOL GROUND AND FIRST FLOOR NEW WORK PLANS
TZHS-E101	TAPPAN ZEE HS FIRST AND SECOND FLOOR DEMOLITION PLANS
TZHS-E102	TAPPAN ZEE HS SECOND FLOOR DEMOLITION PLANS
TZHS-E201	TAPPAN ZEE HS FIRST AND SECOND FLOOR NEW WORK PLANS
TZHS-E202	TAPPAN ZEE HS SECOND FLOOR NEW WORK PLANS
GEN-E900	SCHEDULES

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GENERAL NOTES

THE DESIGN OF THIS PROJECT CONFORMS TO ALL APPLICABLE PROVISIONS OF NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CODE, AND THE BUILDING STANDARDS OF THE NEW YORK STATE EDUCATION DEPARTMENT.

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FAX (845) 567-9614

REVISIONS

NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913

COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED#:50-03-01-06-0-013-028
TAPPAN ZEE HIGH SCHOOL - SED#:50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	TB	LT

SCALE AS NOTED

SHEET TITLE
TITLE SHEET

PROJECT NUMBER
14457.16

GEN T001
DRAWING NUMBER

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ARCHITECT, ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM THE SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATION.

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Date last plotted: 10/20/2022 3:22 PM
Plotted By: Lisa J Fasciglione

BUILDING CODE INFORMATION:

BASED ON THE 2021 INTERNATIONAL BUILDING CODE

CONSTRUCTION TYPE: TYPE IIB

LEGEND:

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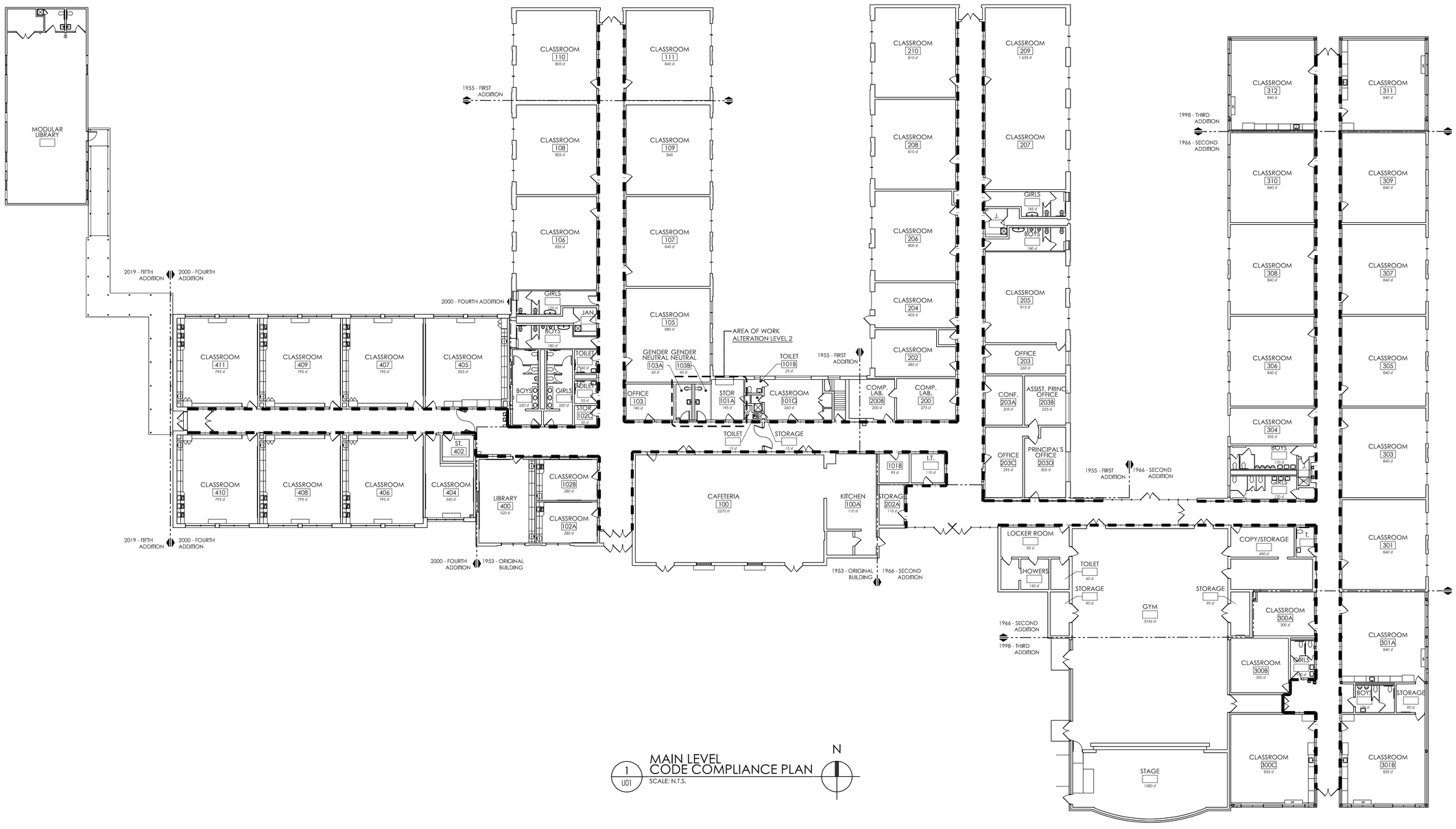

1 U01 MAIN LEVEL CODE COMPLIANCE PLAN

SCALE: N.T.S.

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SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

CAPITAL IMPROVEMENT PROJECT 2022

160 VAN WYCK RD, BLAUVELT, NY 10913

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TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	TLB	LT

SCALE N.T.S.

SHEET TITLE

COTTAGE LANE ELEMENTARY SCHOOL OVERALL FLOOR CODE PLAN

PROJECT NUMBER 14457.16

CLES U01

DRAWING NUMBER

INDICATES THE USE OF UNAPPROVED SPECIES AND/OR ACCESSORIES FOR THE ENTIRE ARMY BASE INFRASTRUCTURE. CONTACT YOUR CHIEF ENGINEER, THE CE ARMY TRIAL CARD, THE NEAREST ARCHITECT ENGINEER OFFICE OR THE ARMY BASE INFRASTRUCTURE ARCHITECT FOR ADVICE.

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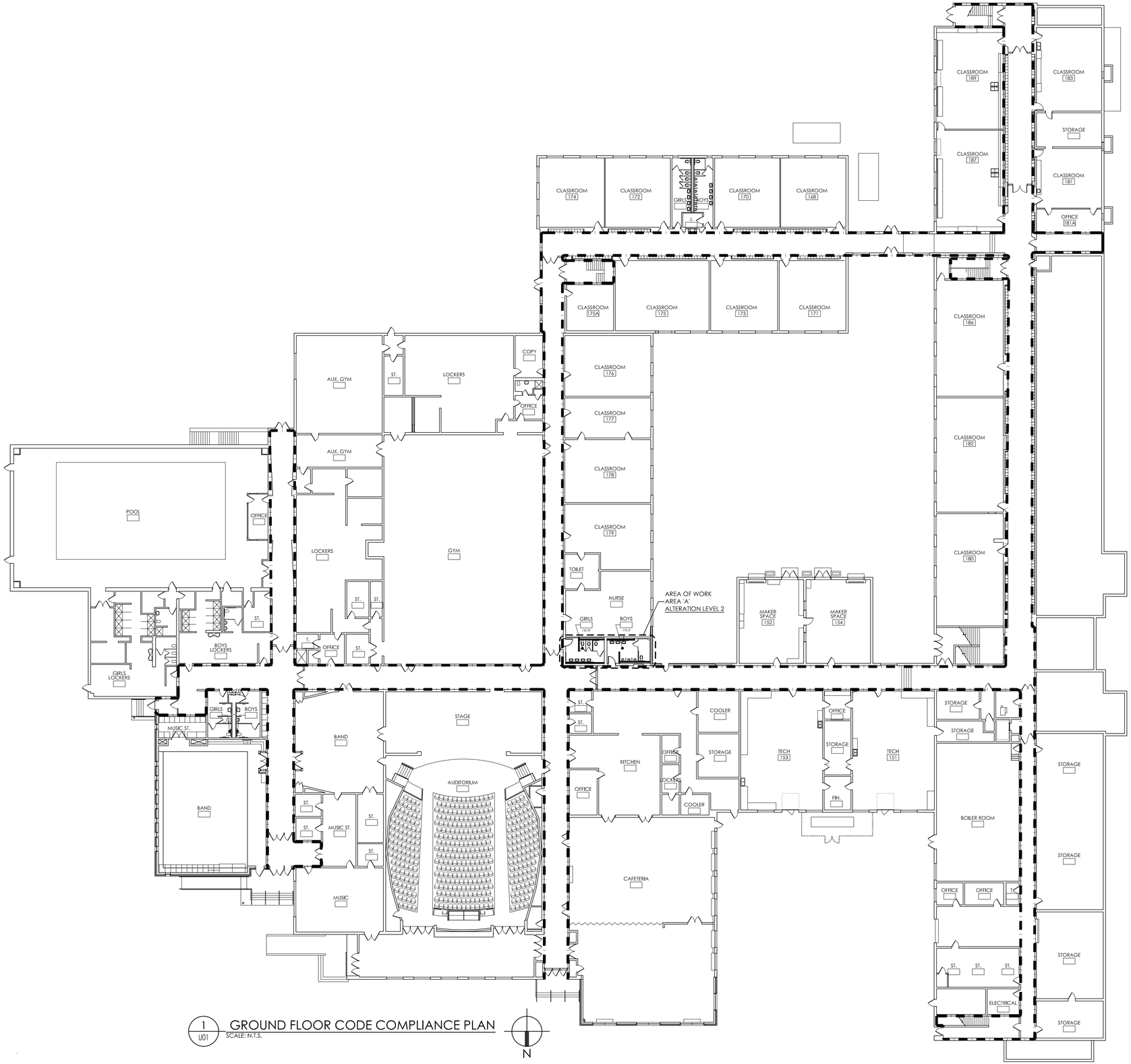
Plotted By: Lisa J Fasciglione



1 / U01 GROUND FLOOR CODE COMPLIANCE PLAN
SCALE: N.T.S.

BUILDING CODE INFORMATION:

BASED ON THE 2021 INTERNATIONAL BUILDING C

CONSTRUCTION TYPE: TYPE IIB

ROOM AREAS: SEE PLAN

LEGEND:

1 HOUR RATED FIRE BARRIER

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CAPITAL IMPROVEMENT PROJECT 2022
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COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
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TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	TLB	LT

SCALE N.T.S.

SHEET TITLE
SO. ORANGETOWN MIDDLE SCHOOL OVERALL GROUND FLOOR CODE PLAN

PROJECT NUMBER
14457.16

SOMS U01
DRAWING NUMBER

INDICATES THE USE OF LICENSED SEALS AND/OR ACCEPTANCE OF ELECTRONICALLY ARCHIVED INFORMATION. LIMITED TO ANY PARTY WHO HAS NOT RECEIVED A WRITTEN ACCEPTANCE FOR PERFORMING THE SEAL OF AN ARCHITECT OR ENGINEER.

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Plotted By: Lisa J Fasciglione

BUILDING CODE INFORMATION:

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CONSTRUCTION TYPE: TYPE IIB

ROOM AREAS: SEE PLAN

LEGEND:

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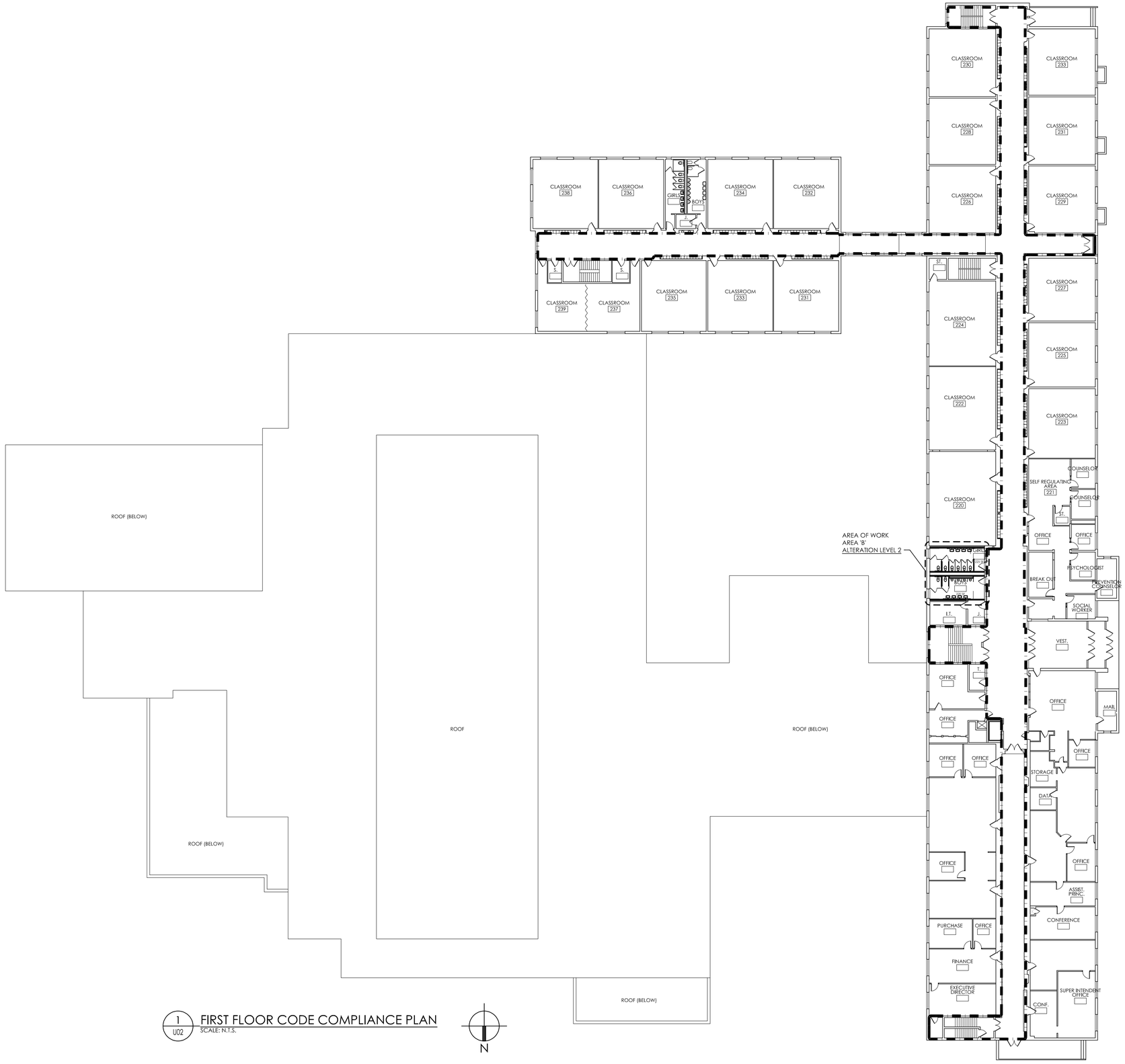

1 / U02 FIRST FLOOR CODE COMPLIANCE PLAN

SCALE: N.T.S.

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SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

CAPITAL IMPROVEMENT PROJECT 2022

160 VAN WYCK RD, BLAUVELT, NY 10913

COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	TLB	LT

SCALE N.T.S.

SHEET TITLE

SO. ORANGETOWN MIDDLE SCHOOL OVERALL FIRST FLOOR CODE PLAN

PROJECT NUMBER 14457.16

SOMS U02

DRAWING NUMBER

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Drawing Name: S:\Projects\So_Orange CSD\2022 Summer Work\D Design\06 CAD\AutoCAD\ARCH\A0\SOMS_U01-U02.dwg Date last accessed: 10/19/2022 12:42 PM Date last plotted: 10/19/2022 12:45 PM Plotted By: Lisa J Fasciglione

BUILDING CODE INFORMATION:
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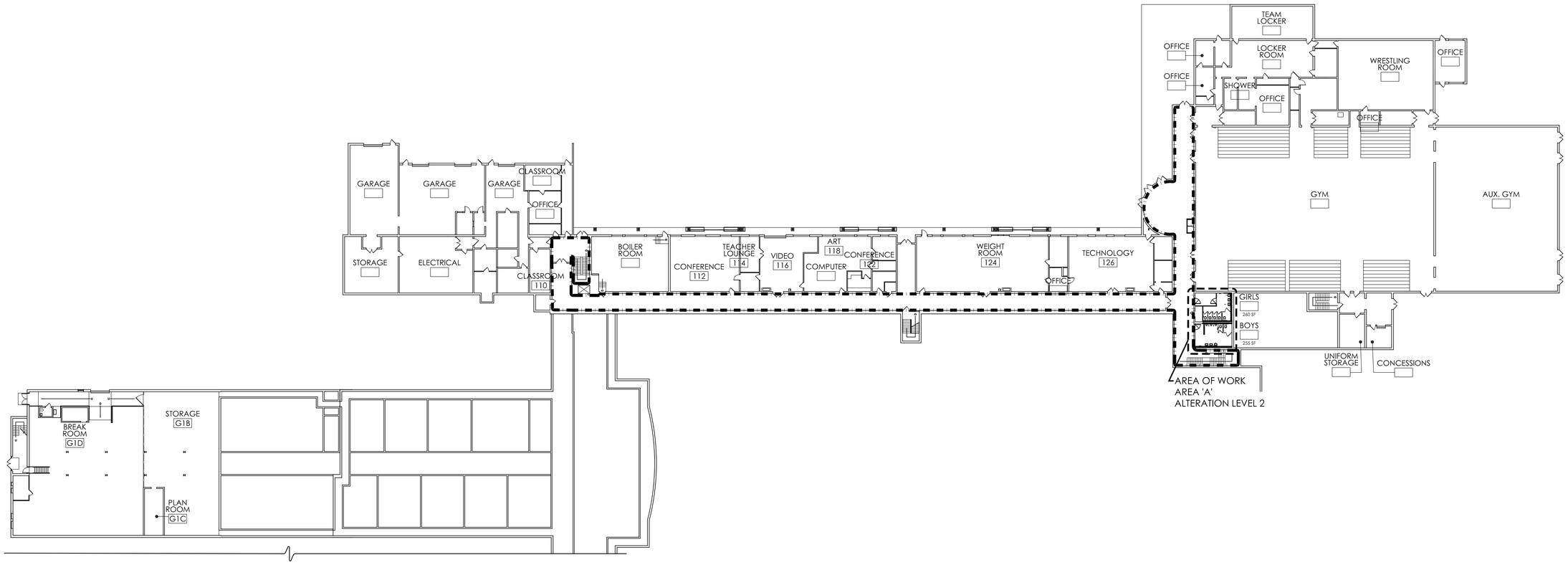
CONSTRUCTION TYPE: TYPE IIB

ROOM AREAS: SEE PLAN

LEGEND:

1 HOUR RATED FIRE BARRIER



1 / U01 GROUND FLOOR CODE COMPLIANCE PLAN
SCALE: N.T.S.

N

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160 VAN WYCK RD, BLAUVELT, NY 10913

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TAPPEN ZEE HIGH SCHOOL - SED# 50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	TLB	LT

SCALE N.T.S.

SHEET TITLE
TAPPEN ZEE HIGH SCHOOL
OVERAL GROUND
FLOOR CODE PLAN

PROJECT NUMBER
14457.16

TZHS
U01
DRAWING NUMBER

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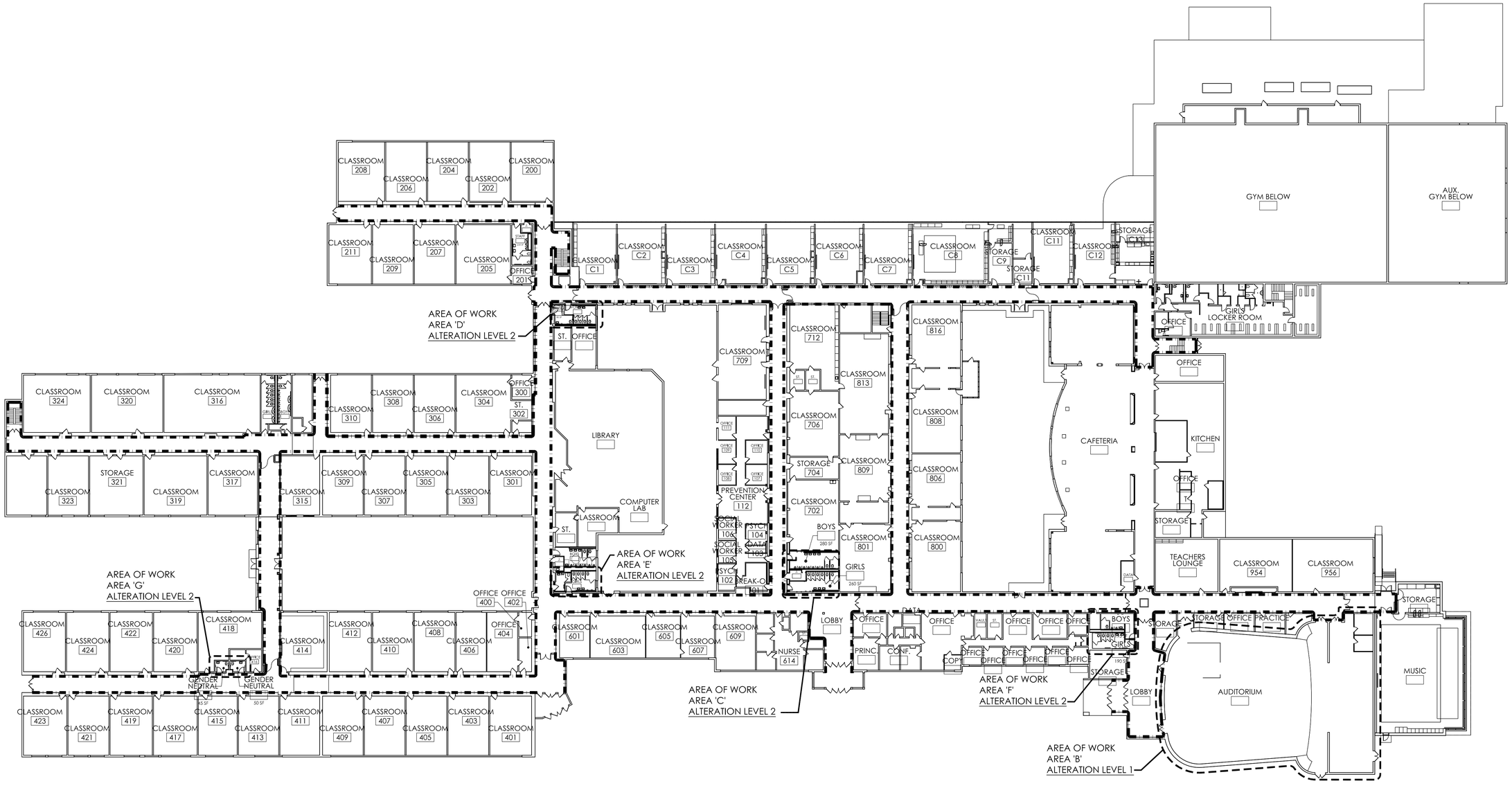
BUILDING CODE INFORMATION:
BASED ON THE 2021 INTERNATIONAL BUILDING CODE

CONSTRUCTION TYPE: TYPE IIB

ROOM AREAS: SEE PLAN

LEGEND:

1 HOUR RATED FIRE BARRIER



1 / U02 FIRST FLOOR CODE COMPLIANCE PLAN
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REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
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COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	TLB	LT

SCALE N.T.S.

SHEET TITLE
TAPPEN ZEE HIGH SCHOOL
OVERALL FIRST FLOOR
CODE PLAN

PROJECT NUMBER
14457.16

TZHS
U02
DRAWING NUMBER

Drawing Name: S:\Projects\So_Orange CSD\2022 Summer Work\D Design\06 CAD\AutoCAD\ARCH\A0\TZHS_U01-U02.dwg
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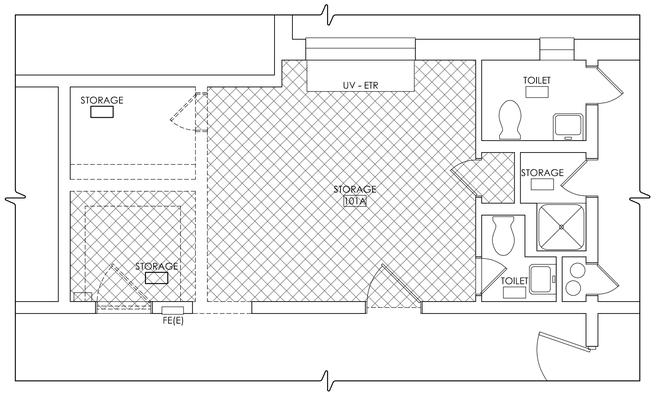
Date last plotted: 10/20/2022 11:16 AM
Plotted By: Lisa J Fasciglione



1 HZ101 PARTIAL ABATEMENT FLOOR PLAN
SCALE: 1/4" = 1'-0"

GENERAL ABATEMENT NOTES:

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS TO BE ABATED. IF THERE ARE ANY DISCREPANCIES WITH WHAT EXISTS TO WHAT IS INDICATED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REPORT SAID INTENT OF THIS PROJECT IS TO COMPLETELY REMOVE ASBESTOS CONTAINING MATERIALS INDICATED AND TO PROVIDE A CLEAN, ACM-FREE WORK AREA POST ABATEMENT.
2. ALL ABATEMENT PROCEDURES TO BE IN ACCORDANCE WITH STANDARDS SET FORTH BY NEW YORK STATE DEPARTMENT OF LABOR INDUSTRIAL CODE RULE 56 AND ALL APPLICABLE REGULATIONS.
3. THE CONTRACTOR SHALL PATCH TO MATCH ANY DISTURBED AREAS AND FINISHES AS A RESULT OF THEIR ABATEMENT WORK. ANY DAMAGE SHALL BE REPAIRED TO THE OWNER'S AND ARCHITECT'S SATISFACTION AT NO ADDITIONAL COST TO THE OWNER.
4. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THE ASBESTOS DUMPSTER WITH THE OWNER.
5. THE CONTRACTOR MAY APPLY FOR PROJECT SPECIFIC VARIANCES. USE OF SUCH VARIANCES ARE SUBJECT TO APPROVAL BY THE OWNER AND ARCHITECT.

ABATEMENT LEGEND:

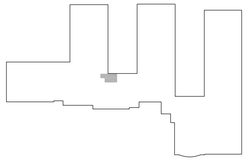
REMOVE VAT FLOOR TILE, MASTIC AND RUBBER WALL BASE, IN ITS ENTIRETY. PREP SUBSTRATE FOR NEW CONSTRUCTION

ABATEMENT KEYNOTES:

A1 REMOVE ASBESTOS CONTAINING PIPE FITTING INSULATION PER QUANTITY SHOWN.

A2 REMOVE ASBESTOS CONTAINING PIPE INSULATION PER QUANTITY SHOWN.

A3 REMOVE EXISTING 4" CMU CHASE WALL IN ITS ENTIRETY.



N KEY PLAN
SCALE: N.T.S.

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DATE	DRAWN	CHECKED
10/20/22	TLB	LT

SCALE AS NOTED

SHEET TITLE
COTTAGE LANE ELEMENTARY SCHOOL ABATEMENT FLOOR PLAN

PROJECT NUMBER
14457.16

CLES
HZ101
DRAWING NUMBER

INDICATE THE ACCURACY OF DRAWINGS, SPECIFICATIONS, OR ANY OTHER INFORMATION PROVIDED BY OR THROUGH THE ARCHITECT. ENGINEER OR SURVEYOR TO ALTER ANYTHING IN ANY WAY, OR TO ADD ANYTHING TO THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR OR TO ADD THE NAME OF ANOTHER PERSON OR ENTITY TO THE SEAL, UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR.
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Drawing Name: S:\Projects\So_Orange CSD\2022 Summer Work\D Design\06 CAD\AutoCAD\ARCH\A1\CLE_HZ101.dwg
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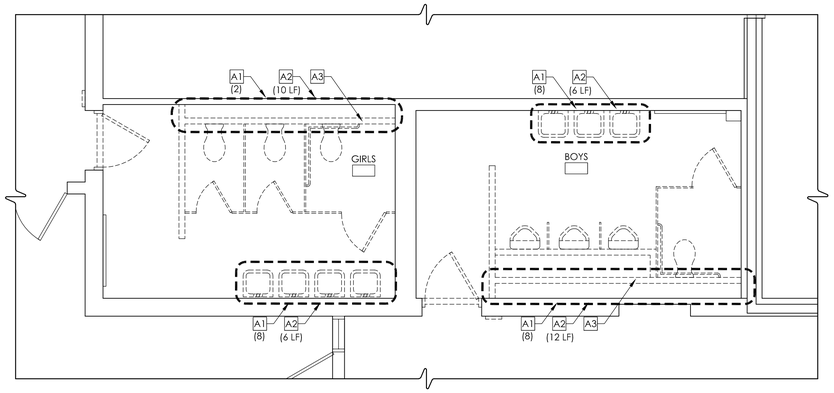
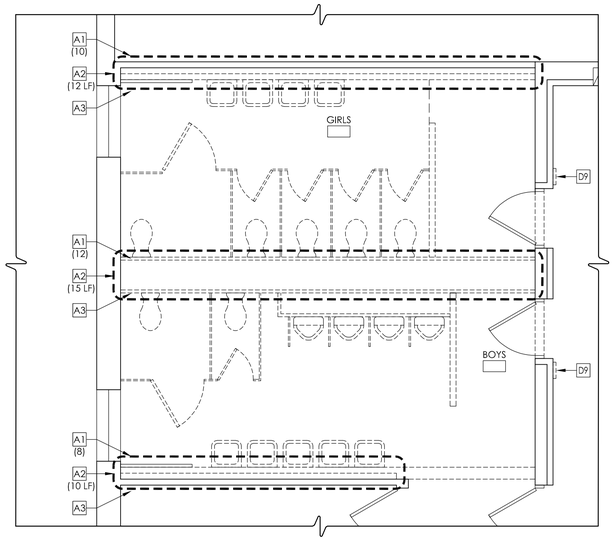
Plotted By: Stephanie Wisniewski



1 HZ101 PARTIAL GROUND FLOOR ABATEMENT PLAN - AREA 'A'
SCALE: 1/4" = 1'-0"



2 HZ101 PARTIAL FIRST FLOOR ABATEMENT PLAN - AREA B
SCALE: 1/4" = 1'-0"

GENERAL ABATEMENT NOTES:

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS TO BE ABATED. IF THERE ARE ANY DISCREPANCIES WITH WHAT EXISTS TO WHAT IS INDICATED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REPORT SAID INTENT OF THIS PROJECT IS TO COMPLETELY REMOVE ASBESTOS CONTAINING MATERIALS INDICATED AND TO PROVIDE A CLEAN, ACM-FREE WORK AREA POST ABATEMENT.
2. ALL ABATEMENT PROCEDURES TO BE IN ACCORDANCE WITH STANDARDS SET FORTH BY NEW YORK STATE DEPARTMENT OF LABOR INDUSTRIAL CODE RULE 56 AND ALL APPLICABLE REGULATIONS.
3. THE CONTRACTOR SHALL PATCH TO MATCH ANY DISTURBED AREAS AND FINISHES AS A RESULT OF THEIR ABATEMENT WORK. ANY DAMAGE SHALL BE REPAIRED TO THE OWNER'S AND ARCHITECT'S SATISFACTION AT NO ADDITIONAL COST TO THE OWNER.
4. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THE ASBESTOS DUMPSTER WITH THE OWNER.
5. THE CONTRACTOR MAY APPLY FOR PROJECT SPECIFIC VARIANCES. USE OF SUCH VARIANCES ARE SUBJECT TO APPROVAL BY THE OWNER AND ARCHITECT.

ABATEMENT LEGEND:

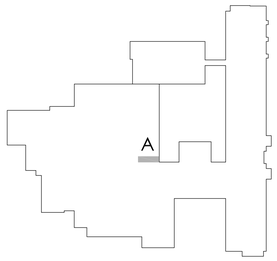
REMOVE VAT FLOOR TILE, MASTIC AND RUBBER WALL BASE, IN ITS ENTIRETY. PREP SUBSTRATE FOR NEW CONSTRUCTION

ABATEMENT KEYNOTES:

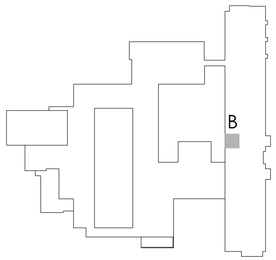
A1 REMOVE ASBESTOS CONTAINING PIPE FITTING INSULATION PER QUANTITY SHOWN.

A2 REMOVE ASBESTOS CONTAINING PIPE INSULATION PER QUANTITY SHOWN.

A3 REMOVE EXISTING 4" CMU CHASE WALL IN ITS ENTIRETY.



GROUND FLOOR
KEY PLAN
SCALE: N.T.S.
N



FIRST FLOOR
KEY PLAN
SCALE: N.T.S.
N

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN
CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913

COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	TLB	LT

SCALE AS NOTED

SHEET TITLE
SO. ORANGETOWN
MIDDLE SCHOOL
GROUND AND FIRST FLOOR
ABATEMENT PLANS

PROJECT NUMBER
14457.16

SOMS
HZ101
DRAWING NUMBER

INDICATE THE ACCEPTANCE OF THESE DOCUMENTS BY ANY PERSON OTHER THAN THE OWNER AND ARE MADE AVAILABLE FOR REVIEW AND COMMENT ONLY. THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS ACCOMPANIED BY THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR.

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 TO ALTER AN ITEM IN ANY WAY. IF ANY ITEM IS ALTERED, THE ARCHITECT, ENGINEER OR SURVEYOR OF RECORD MUST BE NOTIFIED.

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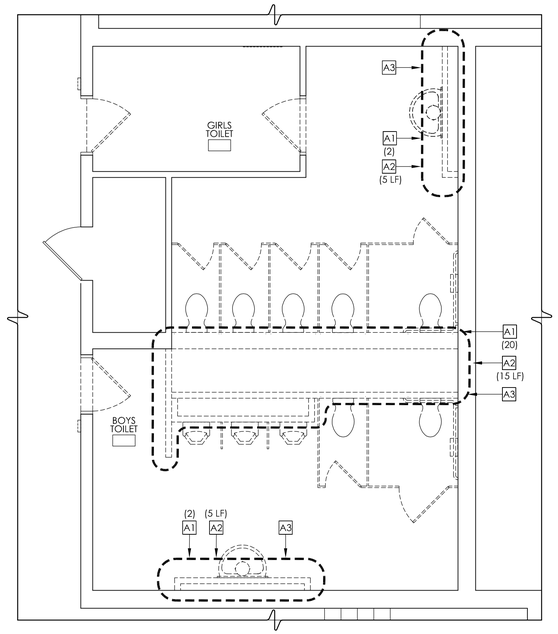
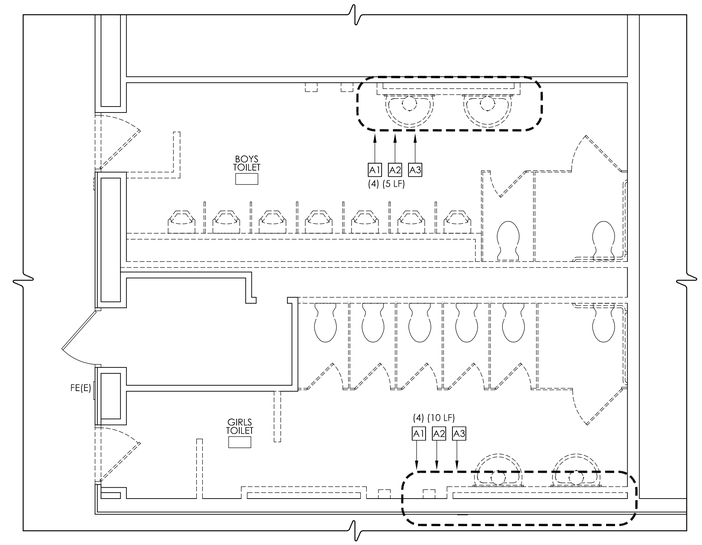


1 HZ101 PARTIAL FIRST FLOOR ABATEMENT PLAN - AREA 'A'
SCALE: 1/4" = 1'-0"



2 HZ11 PARTIAL SECOND FLOOR ABATEMENT PLAN - AREA 'C'
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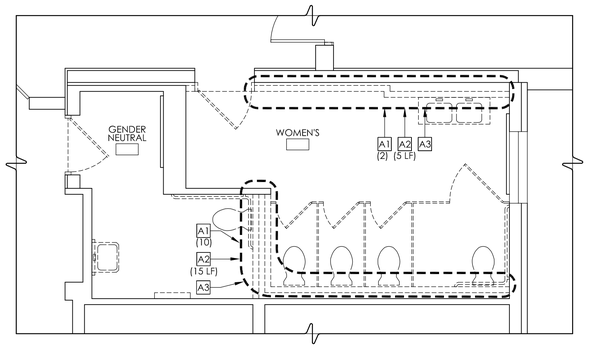

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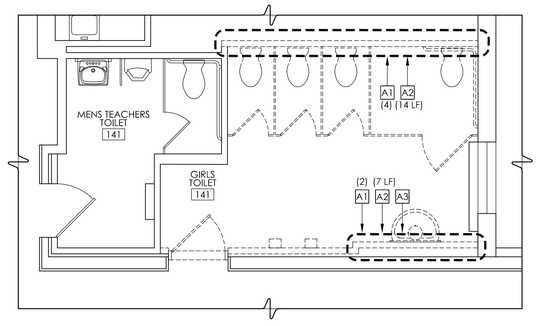
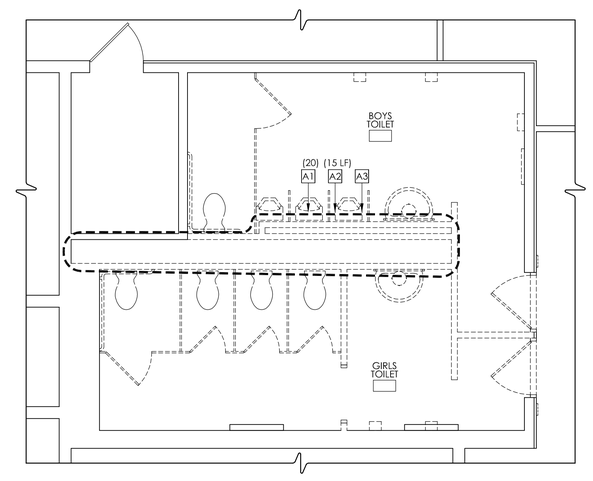


4 HZ101 PARTIAL SECOND FLOOR ABATEMENT PLAN - AREA 'E'
SCALE: 1/4" = 1'-0"



5 HZ101 PARTIAL SECOND FLOOR ABATEMENT PLAN - AREA 'F'
SCALE: 1/4" = 1'-0"

GENERAL ABATEMENT NOTES:

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS TO BE ABATED. IF THERE ARE ANY DISCREPANCIES WITH WHAT EXISTS TO WHAT IS INDICATED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REPORT SAID INTENT OF THIS PROJECT IS TO COMPLETELY REMOVE ASBESTOS CONTAINING MATERIALS INDICATED AND TO PROVIDE A CLEAN, ACM-FREE WORK AREA POST ABATEMENT.
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ABATEMENT LEGEND:

REMOVE VAT FLOOR TILE, MASTIC AND RUBBER WALL BASE, IN ITS ENTIRETY. PREP SUBSTRATE FOR NEW CONSTRUCTION

ABATEMENT KEYNOTES:

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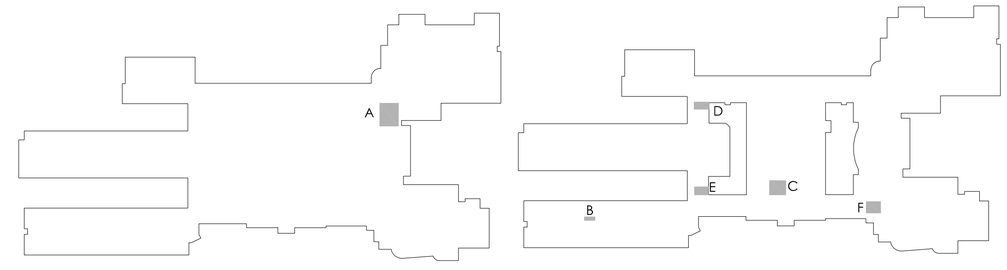
A2 REMOVE ASBESTOS CONTAINING PIPE INSULATION PER QUANTITY SHOWN.

A3 REMOVE EXISTING 4" CMU CHASE WALL IN ITS ENTIRETY.



FIRST FLOOR KEY PLAN
SCALE: N.T.S.

SECOND FLOOR KEY PLAN
SCALE: N.T.S.

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913

COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	TLB	LT

SCALE AS NOTED

SHEET TITLE
SO. ORANGETOWN
TAPPAN ZEE HIGH SCHOOL
FIRST AND SECOND FLOOR
ABATEMENT PLANS

PROJECT NUMBER
14457.16

TZHS
HZ101
DRAWING NUMBER

INDEMNITY: THE USE OF CONFORMED SET SHEETS FOR ACCURATE COPIES OF CADD FILES THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR ERRORS, OMISSIONS AND CHANGES MADE TO THESE FILES AFTER THEY HAVE LEFT THE OFFICE OF THE ARCHITECT.

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ARCHITECT, ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM THE SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE SPECIFIC DESCRIPTION OF THE ALTERATION.

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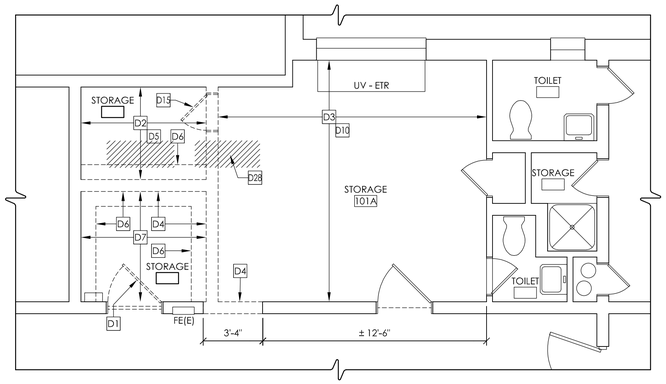
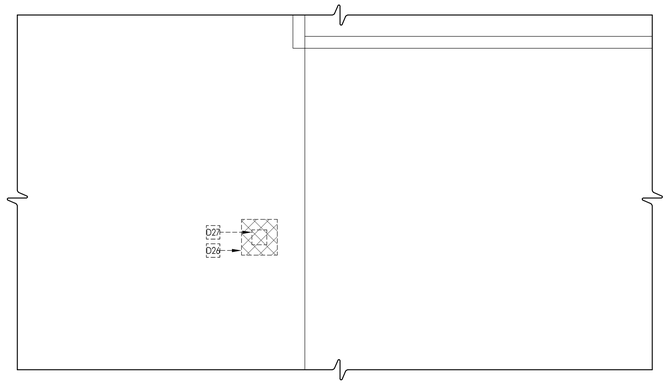
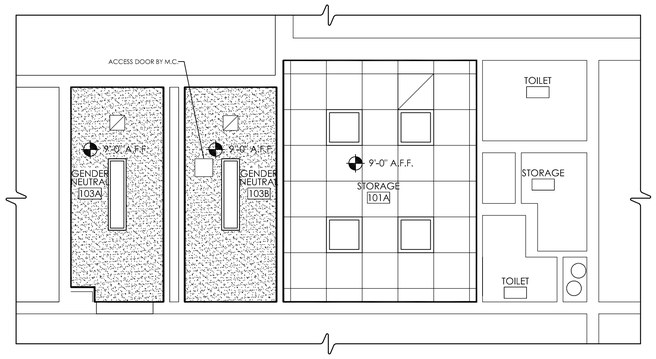
Plotted By: Lisa J Fasciglione



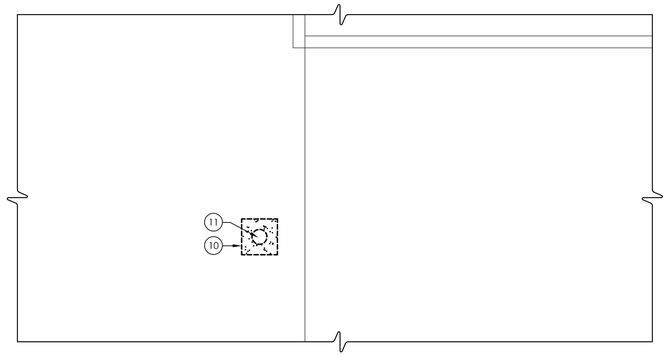
1 A101 PARTIAL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



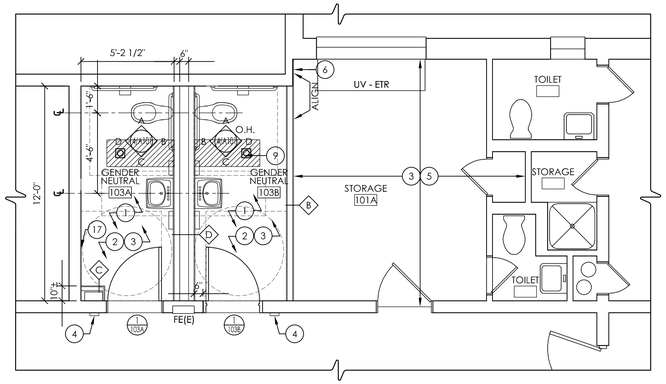
5 A101 PARTIAL DEMOLITION ROOF PLAN
SCALE: 1/4" = 1'-0"



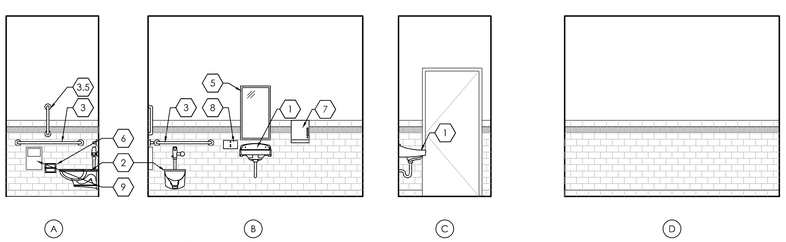
2 A101 PARTIAL CEILING PLAN
SCALE: 1/4" = 1'-0"



6 A101 PARTIAL NEW WORK ROOF PLAN
SCALE: 1/4" = 1'-0"

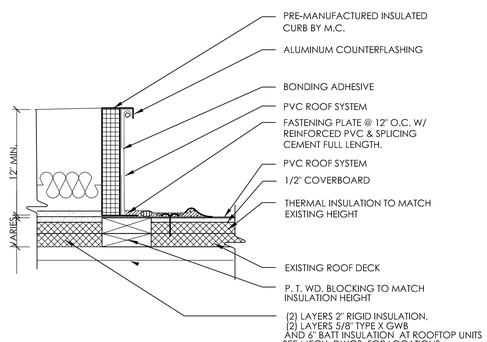


3 A101 PARTIAL RECONSTRUCTION PLAN
SCALE: 1/4" = 1'-0"



*SEE 8/GEN-A801 AND 9/GEN-A801 FOR ADDITIONAL INFORMATION

4 A101 GENDER NEUTRAL TOILET ROOM ELEVATIONS
SCALE: 1/4" = 1'-0"



7 A101 TYPICAL ROOF CURB DETAIL
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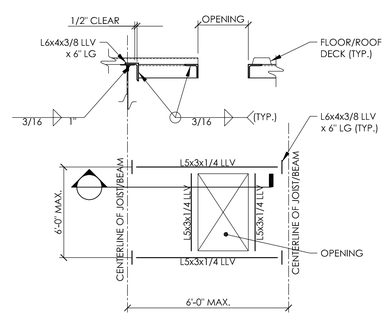

DETAIL NOTES:
1. THE ABOVE STEEL SIZES SHALL BE USED UNLESS NOTED OTHERWISE ON THE PLANS.
2. CONTRACTOR TO COORDINATE EQUIPMENT AND OPENING SUPPORTS WITH MECHANICAL CONTRACTOR AND FINAL APPROVED EQUIPMENT SUBMITTAL.

8 A101 ROOF OPENING SUPPORT DETAIL
SCALE: N.T.S.

GENERAL DEMOLITION NOTES:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS AND DETAILS INVOLVED IN THE DEMOLITION WORK.
2. THE OWNER SHALL PROVIDE THE CONTRACTOR WITH A LIST OF ALL ITEMS TO BE SALVAGED PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL PROTECT ADJACENT SURFACES AND FINISHES NOT SCHEDULED FOR DEMOLITION WORK AND SHALL REPAIR ANY DAMAGED AREAS AS A RESULT OF CONTRACTED WORK AT NO ADDITIONAL COST TO THE OWNER.
4. THE CONTRACTOR SHALL COORDINATE THE DEMOLITION WORK WITH THE OVERALL PROJECT PHASING.
5. THE CONTRACTOR SHALL MAINTAIN AND CONTINUE SAFE ACCESS TO ALL EXITS FOR THE BUILDING OCCUPANTS DURING CONSTRUCTION.

DEMOLITION KEYNOTES:

D1 REMOVE DOOR AND HARDWARE IN ITS ENTIRETY; FRAME TO REMAIN.
D2 REMOVE PAINT FROM FLOORING IN ITS ENTIRETY.
D3 REMOVE ACOUSTIC CEILING SYSTEM INCLUDING IRON ABOVE IN THEIR ENTIRETY .
D4 REMOVE 8" CMU WALL AS SHOWN.
D5 REMOVE PLASTER CEILING IN ITS ENTIRETY.
D6 REMOVE BUILT-IN SHELVING IN ITS ENTIRETY.
D7 REMOVE GLUED ON ACOUSTIC CEILING SYSTEM IN ITS ENTIRETY.
D8 PLUMBING FIXTURE TO BE REMOVED BY P.C.
D9 REMOVE ROOM SIGNAGE IN ITS ENTIRETY.
D10 LIGHTS TO BE REMOVED BY E.C.
D11 REMOVE HOLLOW METAL FRAME IN ITS ENTIRETY.
D12 REMOVE TOILET PARTITION IN ITS ENTIRETY.
D13 REMOVE ALL WALL MOUNTED TOILET ROOM ACCESSORIES. ALL NEW RED ACCESSORIES TO BE SALVAGED.
D14 REMOVE 4" CMU WALL AS SHOWN.
D15 REMOVE DOOR, HARDWARE AND FRAME IN ITS ENTIRETY.
D16 REMOVE LIFT AS REQUIRED FOR NEW WORK & SALVAGE FOR REINSTALLATION.
D17 REMOVE TILE FLOOR IN ITS ENTIRETY AND PREP FOR NEW.
D18 REMOVE SLOPED ENCLOSURE IN ITS ENTIRETY.
D19 REMOVE HEATER COVER.
D20 REMOVE GYP CEILING IT ITS ENTIRETY.
D21 REMOVE VCT FLOORING IN ITS ENTIRETY.
D22 REMOVE WALL BASE IN ITS ENTIRETY.
D23 REMOVE (2) LAYERS OF WALL TILE, MORTAR AND GROUT FROM WALLS AND PREP FOR NEW.
D24 REMOVE ACOUSTIC CEILING AND SALVAGE LIGHTS FOR REINSTALLATION.
D25 REMOVE GROUT FROM EXISTING TILE FLOORING.
D26 REMOVE ROOF SYSTEM AS REQUIRED FOR NEW MECHANICAL WORK.
D27 CUT ROOF DECK TO FACILITATE NEW MECHANICAL WORK.
D28 SAW CUT & REMOVE SLAB TO FACILITATE UNDER SLAB PLUMBING WORK. COORDINATE LOCATION w/ P.C.
D29 REMOVE EXISTING ACCESS PANEL.
D30 REMOVE & SALVAGE ELECTRIC HAND DRYERS.

GENERAL CONSTRUCTION NOTES:

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING FINISHES AND EQUIPMENT NOT REMOVED UNDER THE SCOPE OF WORK. ANY DAMAGE WILL BE REPAIRED TO THE OWNER/ARCHITECT'S SATISFACTION AT NO COST TO THE OWNER.
3. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT END OF EACH DAY.
4. THE CONTRACTOR SHALL PROVIDE DUST CONTROL BARRIERS AT ALL AREAS OF CONSTRUCTION.
5. THE CONTRACTOR SHALL PATCH ALL SURFACES WHERE EXISTING MATERIALS HAVE BEEN DISTURBED BY ANY TRADE TO MATCH AND BE FLUSH WITH ADJACENT CONSTRUCTION AT ALL FLOOR, WALL, AND CEILING LOCATIONS. COORDINATE w/ M. E & P DRAWINGS.
6. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.

RECONSTRUCTION KEYNOTES:

1. CERAMIC TILE FLOORING AND WALL BASE. FULL EXTENT OF ROOM.
2. CERAMIC WALL TILE. REFER TO INTERIOR ELEVATIONS FOR HEIGHT.
3. PAINT WALLS FULL EXTENT OF ROOM.
4. PROVIDE ROOM SIGNAGE AS DETAILED, REFER TO 4/GEN-801.
5. VCT FLOORING AND 4" BASE, FULL EXTENT OF ROOM.
6. LAMINATED GYP ON EXISTING CMU WALL; ALIGN WITH NEW WALL.
7. RE-GROUT EXISTING TILE FLOORING.
8. PATCH WALL SUBSTRATE AT BASE OF WALL AS REQUIRED.
9. INFILL CONCRETE FLOOR SLAB. REFER TO 11/GEN-801.
10. PROVIDE NEW ROOFING SYSTEM TO MATCH EXISTING.
11. EXHAUST FAN & ROOF CURB BY M.C., G.C. TO SET CURB AND FLASH INTO EXISTING ROOFING.
12. NEW TOILET PARTITIONS.
13. NEW ACCESS PANEL, PATCH SURROUNDING WALL.
14. SEE SOMS DETAIL 4/A101 FOR SKYLIGHT RECONSTRUCTION.
15. NEW RADIATION HEATER COVER BY M.C., PAINT BY G.C.
16. FULL PRIVACY PARTITION.
17. INSTALL ACTUATOR. SEE ELEC. DRAWINGS.
18. PAINT METAL COVER WHITE.
19. PATCH WALL AS REQ'D.
20. REINSTALL SALVAGED ELECTRIC HAND DRYERS.
21. NEW ELECTRIC HAND DRYERS.

CEILING LEGEND:

- GYPSUM BOARD CEILING SYSTEM
- SUSPENDED ACOUSTIC CEILING SYSTEM (ACT) 2' X 4'
- SUPPLY DIFFUSER BY M.C.
- RETURN DIFFUSER BY M.C.
- 2X2 LIGHT BY E.C.
- 1X4 LIGHT BY E.C.

N KEY PLAN
SCALE: N.T.S.

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NEWBURGH, NEW YORK 12550
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REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913

COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	TLB	LT

SCALE AS NOTED

SHEET TITLE
COTTAGE LANE ELEMENTARY SCHOOL: DEMOLITION AND RECONSTRUCTION PLANS AND ELEVATIONS

PROJECT NUMBER
14457.16

CLES
A101
DRAWING NUMBER

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 AND 7209 FOR ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ARCHITECT, ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM THE ORIGINAL SEAL FOLLOWED BY THE WORDS "ALTERED BY" AND HIS OR HER SEAL AND SIGNATURE.

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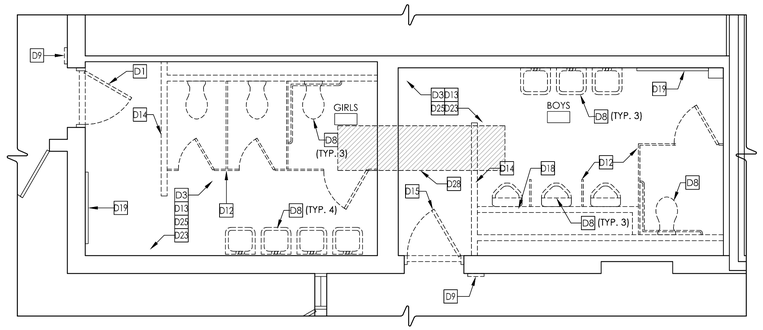
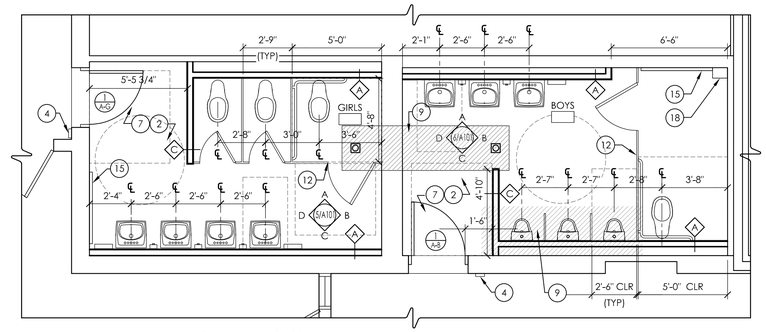
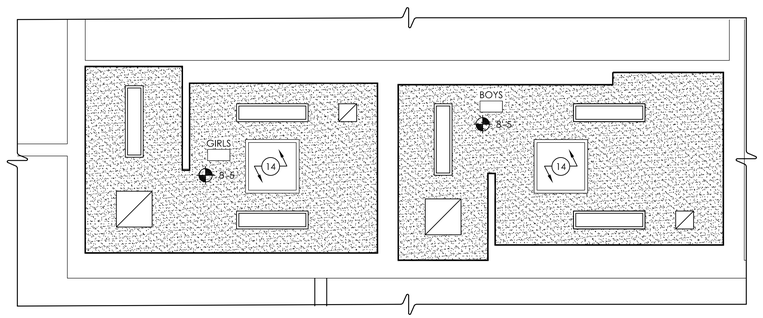
Plotted By: Lisa J Fasciglione



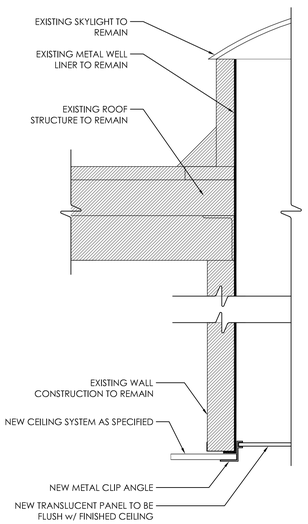
1 A101 PARTIAL GROUND FLOOR DEMOLITION PLAN - AREA 'A'
SCALE: 1/4" = 1'-0"



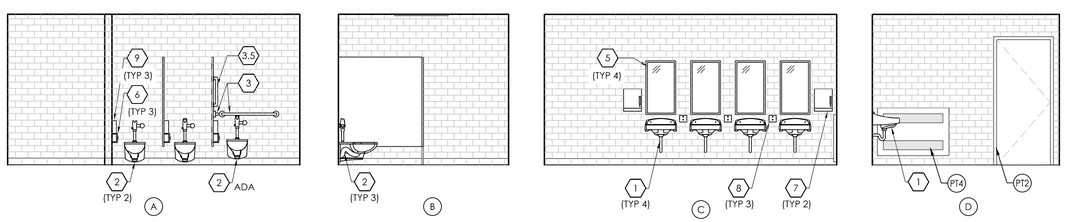
2 A101 ALTERNATE #GC-1
PARTIAL GROUND FLOOR RECONSTRUCTION PLAN - AREA 'A'
SCALE: 1/4" = 1'-0"



3 A101 PARTIAL GROUND FLOOR CEILING PLAN - AREA 'A'
SCALE: 1/4" = 1'-0"

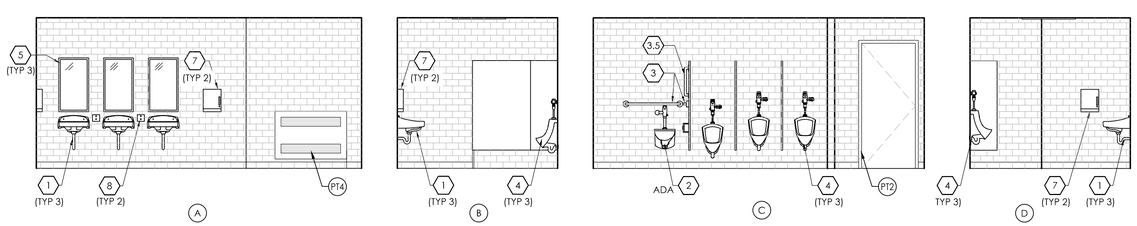


4 A101 SKYLIGHT RECONSTRUCTION DETAIL
SCALE: 1 1/2" = 1'-0"



*SEE 8/GEN-801 AND 9/GEN-A801 FOR ADDITIONAL INFORMATION

5 A101 GIRLS ROOM ELEVATIONS
SCALE: 1/4" = 1'-0"



*SEE 8/GEN-A801 AND 9/GEN-A801 FOR ADDITIONAL INFORMATION

6 A101 BOYS ROOM ELEVATIONS
SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS AND DETAILS INVOLVED IN THE DEMOLITION WORK.
2. THE OWNER SHALL PROVIDE THE CONTRACTOR WITH A LIST OF ALL ITEMS TO BE SALVAGED PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL PROTECT ADJACENT SURFACES AND FINISHES NOT SCHEDULED FOR DEMOLITION WORK AND SHALL REPAIR ANY DAMAGED AREAS AS A RESULT OF CONTRACTED WORK AT NO ADDITIONAL COST TO THE OWNER.
4. THE CONTRACTOR SHALL COORDINATE THE DEMOLITION WORK WITH THE OVERALL PROJECT PHASING.
5. THE CONTRACTOR SHALL MAINTAIN AND CONTINUE SAFE ACCESS TO ALL EXITS FOR THE BUILDING OCCUPANTS DURING CONSTRUCTION.

DEMOLITION KEYNOTES:

D1 REMOVE DOOR AND HARDWARE IN ITS ENTIRETY; FRAME TO REMAIN.
D2 REMOVE PAINT FROM FLOORING IN ITS ENTIRETY.
D3 REMOVE ACOUSTIC CEILING SYSTEM INCLUDING IRON ABOVE IN THEIR ENTIRETY .
D4 REMOVE 8" CMU WALL AS SHOWN.
D5 REMOVE PLASTER CEILING IN ITS ENTIRETY.
D6 REMOVE BUILT-IN SHELVING IN ITS ENTIRETY.
D7 REMOVE GLUED ON ACOUSTIC CEILING SYSTEM IN ITS ENTIRETY.
D8 PLUMBING FIXTURE TO BE REMOVED BY P.C.
D9 REMOVE ROOM SIGNAGE IN ITS ENTIRETY.
D10 LIGHTS TO BE REMOVED BY E.C.
D11 REMOVE HOLLOW METAL FRAME IN ITS ENTIRETY.
D12 REMOVE TOILET PARTITION IN ITS ENTIRETY.
D13 REMOVE ALL WALL MOUNTED TOILET ROOM ACCESSORIES. ALL NEW RED ACCESSORIES TO BE SALVAGED.
D14 REMOVE 4" CMU WALL AS SHOWN.
D15 REMOVE DOOR, HARDWARE AND FRAME IN ITS ENTIRETY.
D16 REMOVE LIFT AS REQUIRED FOR NEW WORK & SALVAGE FOR REINSTALLATION.
D17 REMOVE TILE FLOOR IN ITS ENTIRETY AND PREP FOR NEW.
D18 REMOVE SLOPED ENCLOSURE IN ITS ENTIRETY.
D19 REMOVE HEATER COVER.
D20 REMOVE GYP CEILING IT ITS ENTIRETY.
D21 REMOVE VCT FLOORING IN ITS ENTIRETY.
D22 REMOVE WALL BASE IN ITS ENTIRETY.
D23 REMOVE (2) LAYERS OF WALL TILE, MORTAR AND GROUT FROM WALLS AND PREP FOR NEW.
D24 REMOVE ACOUSTIC CEILING AND SALVAGE LIGHTS FOR REINSTALLATION.
D25 REMOVE GROUT FROM EXISTING TILE FLOORING.
D26 REMOVE ROOF SYSTEM AS REQUIRED FOR NEW MECHANICAL WORK.
D27 CUT ROOF DECK TO FACILITATE NEW MECHANICAL WORK.
D28 SAW CUT & REMOVE SLAB TO FACILITATE UNDER SLAB PLUMBING WORK. COORDINATE LOCATION w/ P.C.
D29 REMOVE EXISTING ACCESS PANEL.
D30 REMOVE & SALVAGE ELECTRIC HAND DRYERS.

GENERAL CONSTRUCTION NOTES:

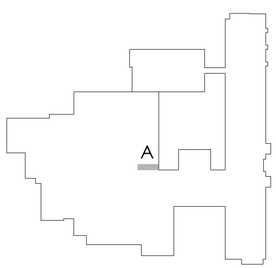
1. ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING FINISHES AND EQUIPMENT NOT REMOVED UNDER THE SCOPE OF WORK. ANY DAMAGE WILL BE REPAIRED TO THE OWNER/ARCHITECT'S SATISFACTION AT NO COST TO THE OWNER.
3. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT END OF EACH DAY.
4. THE CONTRACTOR SHALL PROVIDE DUST CONTROL BARRIERS AT ALL AREAS OF CONSTRUCTION.
5. THE CONTRACTOR SHALL PATCH ALL SURFACES WHERE EXISTING MATERIALS HAVE BEEN DISTURBED BY ANY TRADE TO MATCH AND BE FLUSH WITH ADJACENT CONSTRUCTION AT ALL FLOOR, WALL, AND CEILING LOCATIONS. COORDINATE w/ M, E & P DRAWINGS.
6. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.

RECONSTRUCTION KEYNOTES:

1. CERAMIC TILE FLOORING AND WALL BASE. FULL EXTENT OF ROOM.
2. CERAMIC WALL TILE. REFER TO INTERIOR ELEVATIONS FOR HEIGHT.
3. PAINT WALLS FULL EXTENT OF ROOM.
4. PROVIDE ROOM SIGNAGE AS DETAILED, REFER TO 4/GEN-801.
5. VCT FLOORING AND 4" BASE, FULL EXTENT OF ROOM.
6. LAMINATED GYP ON EXISTING CMU WALL; ALIGN WITH NEW WALL.
7. RE-GROUT EXISTING TILE FLOORING.
8. PATCH WALL SUBSTRATE AT BASE OF WALL AS REQUIRED.
9. INFILL CONCRETE FLOOR SLAB. REFER TO 11/GEN-801.
10. PROVIDE NEW ROOFING SYSTEM TO MATCH EXISTING.
11. EXHAUST FAN & ROOF CURB BY M.C., G.C. TO SET CURB AND FLASH INTO EXISTING ROOFING.
12. NEW TOILET PARTITIONS.
13. NEW ACCESS PANEL, PATCH SURROUNDING WALL.
14. SEE SOMS DETAIL 4/A101 FOR SKYLIGHT RECONSTRUCTION.
15. NEW RADIATION HEATER COVER BY M.C., PAINT BY G.C.
16. FULL PRIVACY PARTITION.
17. INSTALL ACTUATOR. SEE ELEC. DRAWINGS.
18. PAINT METAL COVER WHITE.
19. PATCH WALL AS REQ'D.
20. REINSTALL SALVAGED ELECTRIC HAND DRYERS.
21. NEW ELECTRIC HAND DRYERS.

CEILING LEGEND:

GYPSUM BOARD CEILING SYSTEM
SUSPENDED ACOUSTIC CEILING SYSTEM (ACT) 2' X 4'
SUPPLY DIFFUSER BY M.C.
RETURN DIFFUSER BY M.C.
1X4 LIGHT BY E.C.



GROUND FLOOR KEY PLAN
SCALE: N.T.S.

CPLteam.com
ARCHITECTURE ▪ ENGINEERING ▪ PLANNING
50 FRONT STREET, SUITE 202
NEWBURGH, NEW YORK 12550
TEL (800) 274-9000
FAX (845) 567-9614

REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913
COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-005-031

DATE	DRAWN	CHECKED
10/20/22	TLB	LT

SCALE AS NOTED

SHEET TITLE
SO. ORANGETOWN M.S. GROUND FLOOR DEMOLITION AND RECONSTRUCTION PLANS AND ELEVATIONS

PROJECT NUMBER
14457.16

SOMS
A101
DRAWING NUMBER

INCORPORATE THE DESIGNED SECURITY VIA CONSULTING WITH THE OWNER AND ARCHITECT. DESIGNER OR LICENSED ARCHITECT. VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB. REPORT ANY DISCREPANCIES TO THE OWNER AND ARCHITECT BEFORE PROCEEDING WITH WORK.
THIS DRAWING IS A PROPERTY OF THE NEW YORK STATE EDUCATION LAW ARTICLE 7 COMMISSIONER'S REGULATIONS. NO ANY PERSON ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY, OR TO ADD AN ITEM TO THIS DRAWING THE SEAL OF AN ARCHITECT, ENGINEER OR LAND SURVEYOR.

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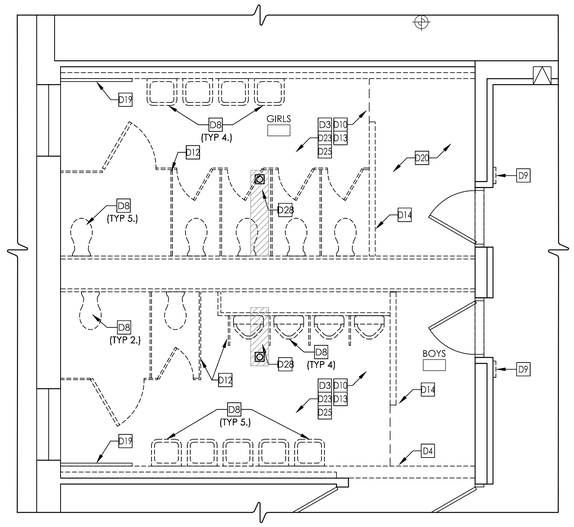
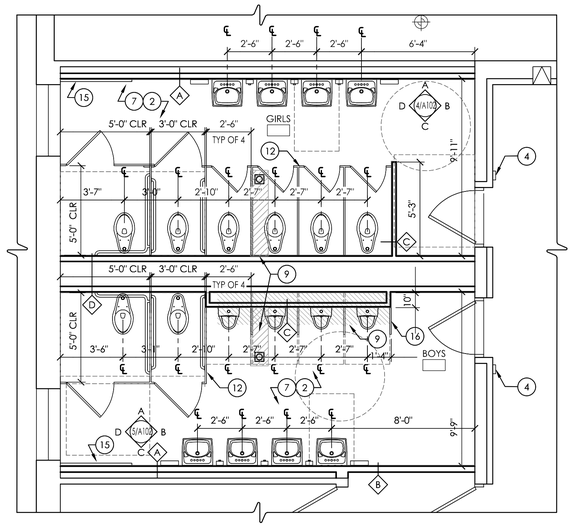
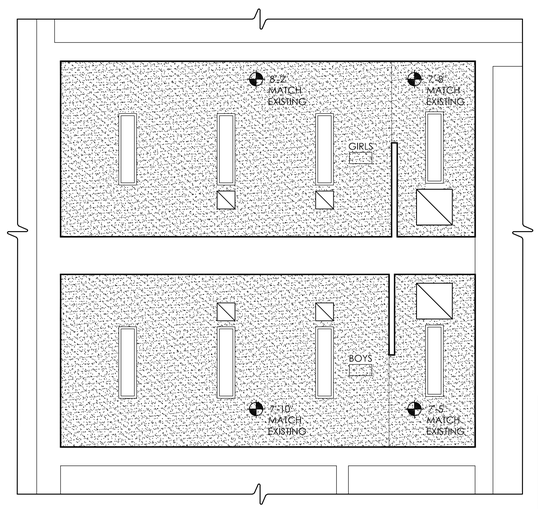
Date last plotted: 10/20/2022 11:29 AM
Plotted By: Lisa J Fasciglione



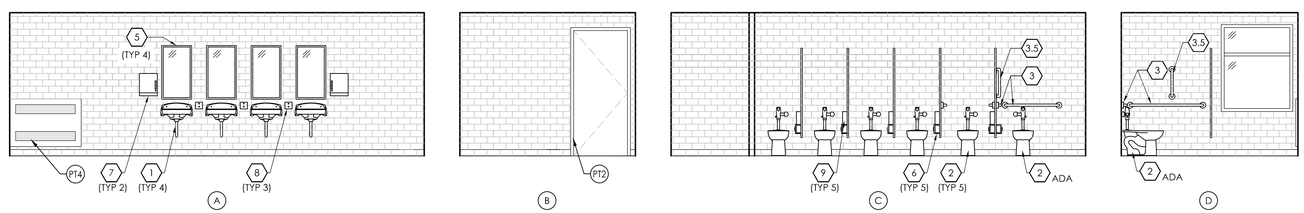
1 A102 PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA 'B'
SCALE: 1/4" = 1'-0"



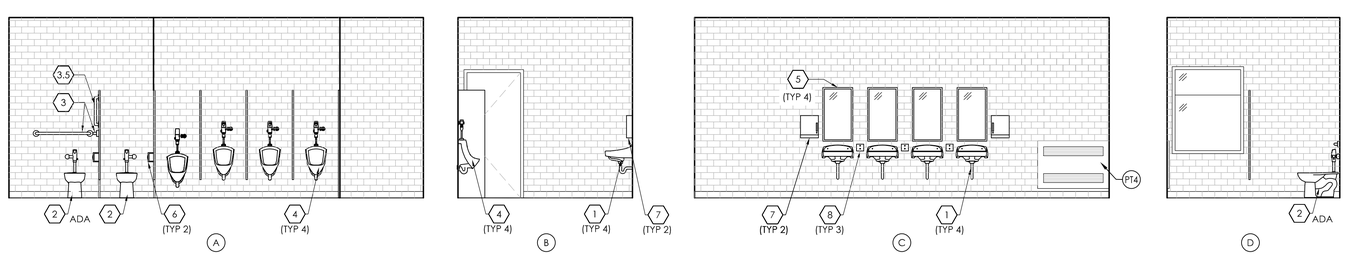
2 A102 ALTERNATE #GC-2
PARTIAL FIRST FLOOR RECONSTRUCTION PLAN - AREA 'B'
SCALE: 1/4" = 1'-0"



3 A102 PARTIAL FIRST FLOOR CEILING PLAN - AREA 'B'
SCALE: 1/4" = 1'-0"



4 A102 GIRLS ROOM ELEVATIONS
SCALE: 1/4" = 1'-0"



5 A102 BOYS ROOM ELEVATIONS
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D14 REMOVE 4" CMU WALL AS SHOWN.
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CEILING LEGEND:

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SUSPENDED ACOUSTIC CEILING SYSTEM (ACT) 2' X 4'
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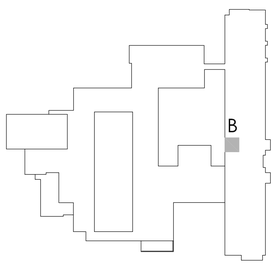
RETURN DIFFUSER BY M.C.
1X4 LIGHT BY E.C.



N
FIRST FLOOR KEY PLAN
SCALE: N.T.S.

CPLteam.com
ARCHITECTURE ▪ ENGINEERING ▪ PLANNING
50 FRONT STREET, SUITE 202
NEWBURGH, NEW YORK 12550
TEL (800) 274-9000
FAX (845) 567-9614

REVISIONS

NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913
COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	TLB	LT

SCALE AS NOTED

SHEET TITLE
SO. ORANGETOWN M.S. FIRST FLOOR DEMOLITION AND RECONSTRUCTION PLANS AND ELEVATIONS

PROJECT NUMBER 14457.16

SOMS A102
DRAWING NUMBER

INDIVIDUALS IN THE AUDIENCE SHALL NOT ASK ARCHITECTS OR ENGINEERS TO ADVISE ON LEGAL MATTERS OR ANSWER LEGAL QUESTIONS. THE ARCHITECT OR ENGINEER MAY ADVISE THE CLIENT ON THE PROCEDURE TO FOLLOW IN ORDER TO OBTAIN A RULING ON A LEGAL QUESTION.
IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR THE UNCOMPENSATED PREPARATION FOR ANY PERSON, NOT A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. ANY ITEM ALTERED MUST BE STAMPED "THE ALTERATION OF THIS ITEM IS NOT PERMITTED BY LAW"

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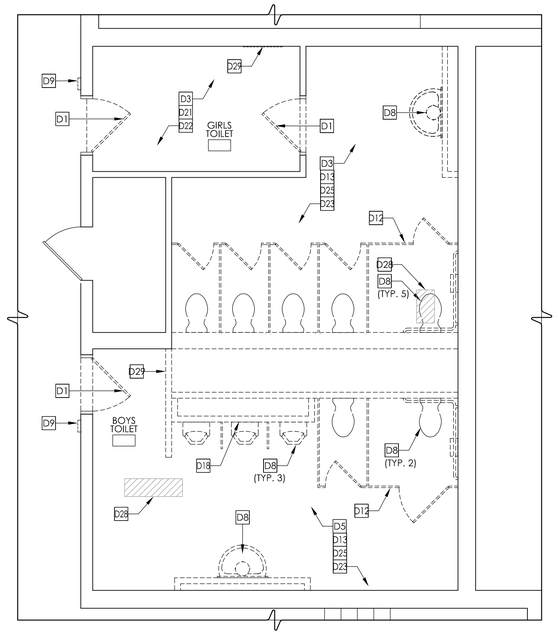
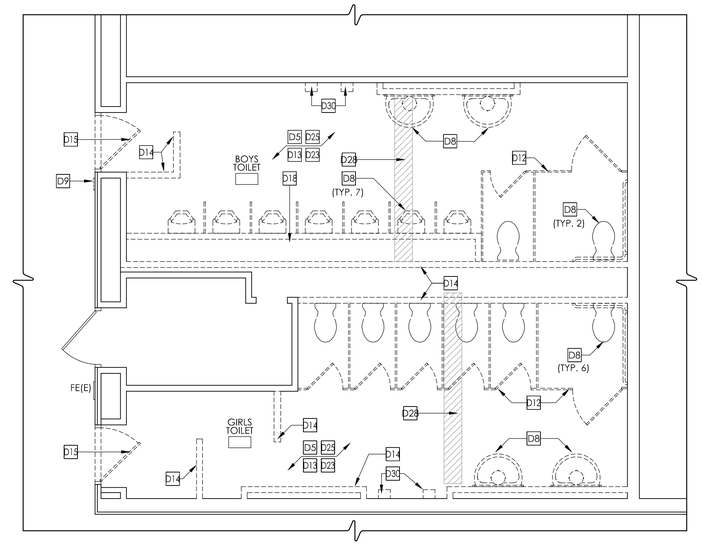
Plotted By: Lisa J Fasciglione



1 A101 PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA 'A' - ALTERNATE #GC-3
SCALE: 1/4" = 1'-0"



2 A101 PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'C'
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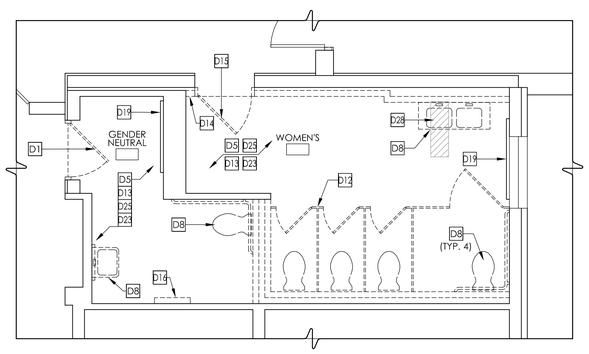
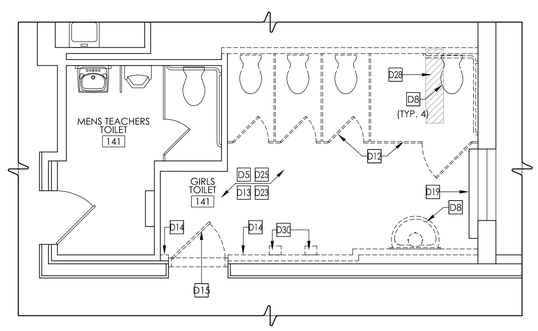
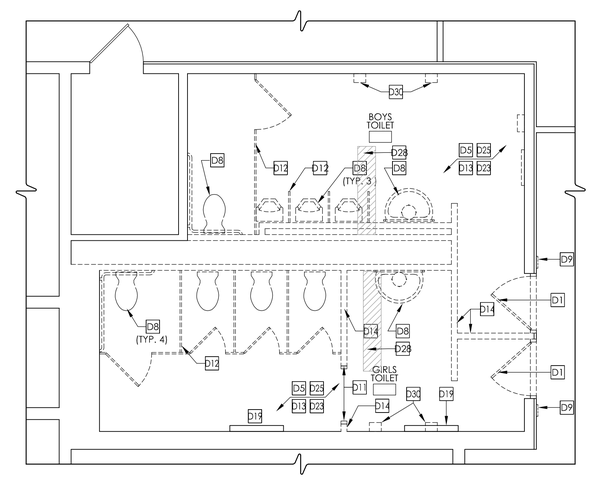


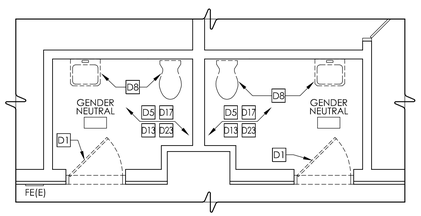
3 A101 PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'D'
SCALE: 1/4" = 1'-0"



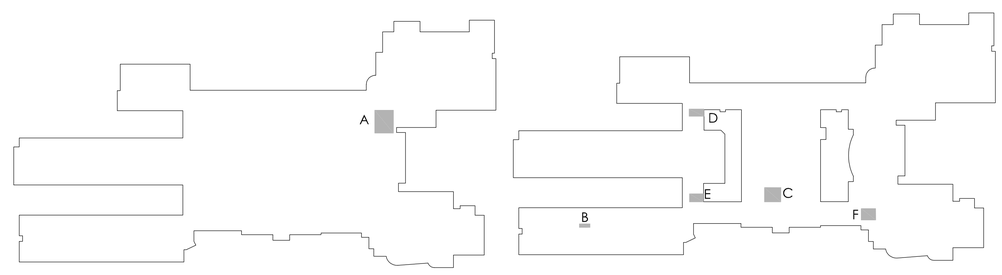
4 A101 PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'E'
SCALE: 1/4" = 1'-0"



5 A101 PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'F'
SCALE: 1/4" = 1'-0"



6 A101 PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'B' - ALTERNATE #GC-4
SCALE: 1/4" = 1'-0"



FIRST FLOOR KEY PLAN
SCALE: N.T.S.

SECOND FLOOR KEY PLAN
SCALE: N.T.S.

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D10 LIGHTS TO BE REMOVED BY E.C.
D11 REMOVE HOLLOW METAL FRAME IN ITS ENTIRETY.
D12 REMOVE TOILET PARTITION IN ITS ENTIRETY.
D13 REMOVE ALL WALL MOUNTED TOILET ROOM ACCESSORIES. ALL NEW RED ACCESSORIES TO BE SALVAGED.
D14 REMOVE 4" CMU WALL AS SHOWN.
D15 REMOVE DOOR, HARDWARE AND FRAME IN ITS ENTIRETY.
D16 REMOVE LIFT AS REQUIRED FOR NEW WORK & SALVAGE FOR REINSTALLATION.
D17 REMOVE TILE FLOOR IN ITS ENTIRETY AND PREP FOR NEW.
D18 REMOVE SLOPED ENCLOSURE IN ITS ENTIRETY.
D19 REMOVE HEATER COVER.
D20 REMOVE GYP CEILING IT ITS ENTIRETY.
D21 REMOVE VCT FLOORING IN ITS ENTIRETY.
D22 REMOVE WALL BASE IN ITS ENTIRETY.
D23 REMOVE (2) LAYERS OF WALL TILE, MORTAR AND GROUT FROM WALLS AND PREP FOR NEW.
D24 REMOVE ACOUSTIC CEILING AND SALVAGE LIGHTS FOR REINSTALLATION.
D25 REMOVE GROUT FROM EXISTING TILE FLOORING.
D26 REMOVE ROOF SYSTEM AS REQUIRED FOR NEW MECHANICAL WORK.
D27 CUT ROOF DECK TO FACILITATE NEW MECHANICAL WORK.
D28 SAW CUT & REMOVE SLAB TO FACILITATE UNDER SLAB PLUMBING WORK. COORDINATE LOCATION w/ P.C.
D29 REMOVE EXISTING ACCESS PANEL.
D30 REMOVE & SALVAGE ELECTRIC HAND DRYERS.

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50 FRONT STREET, SUITE 202
NEWBURGH, NEW YORK 12550
TEL (800) 274-9000
FAX (845) 567-9614

REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913
COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	TLB	LT

SCALE AS NOTED

SHEET TITLE
TAPPEN ZEE HIGH SCHOOL
FIRST AND SECOND FLOOR
DEMOLITION PLANS

PROJECT NUMBER
14457.16

TZHS
A101
DRAWING NUMBER

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER ANY ITEM IN ANY WAY. IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ADD THE SEAL OF AN ARCHITECT, ENGINEER OR LAND SURVEYOR TO ANY DRAWING, SPECIFICATION, PLAN, REPORT OR OTHER DOCUMENT NOT PREPARED BY THE PERSON OR PERSONS IN THEIR RESPECTIVE PROFESSIONAL DISCIPLINE.

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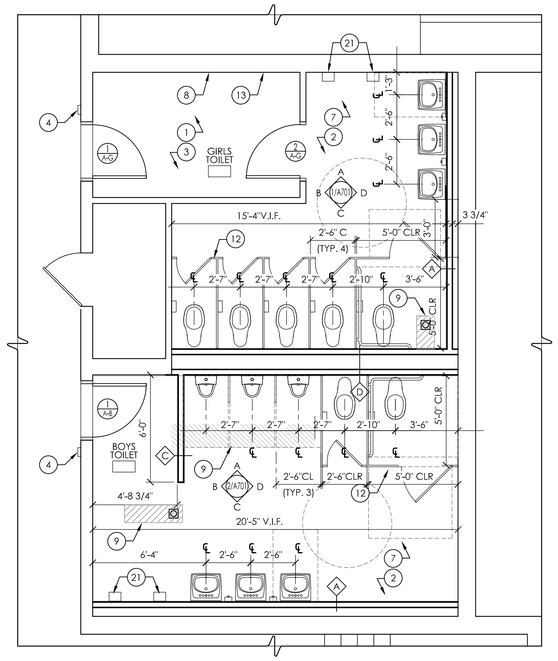
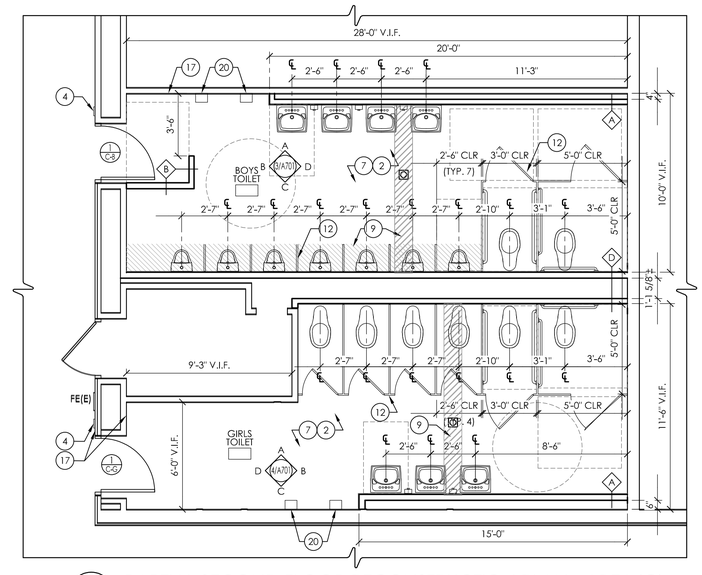
Plotted By: Lisa J Fasciglione



1 A201 PARTIAL FIRST FLOOR RECONSTRUCTION PLAN - AREA 'A' - ALTERNATE #GC-3

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



2 A201 PARTIAL SECOND FLOOR RECONSTRUCTION PLAN - AREA 'C'

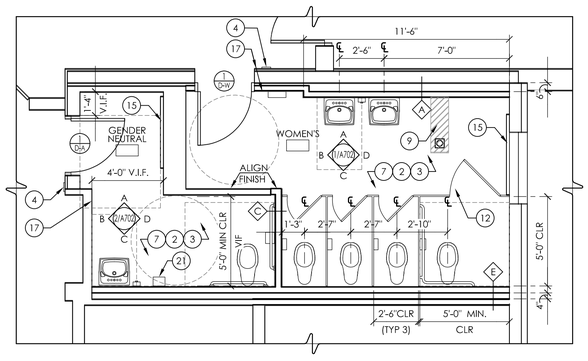
SCALE: 1/4" = 1'-0"

GENERAL CONSTRUCTION NOTES:

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING FINISHES AND EQUIPMENT NOT REMOVED UNDER THE SCOPE OF WORK. ANY DAMAGE WILL BE REPAIRED TO THE OWNER/ARCHITECT'S SATISFACTION AT NO COST TO THE OWNER.
3. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT END OF EACH DAY.
4. THE CONTRACTOR SHALL PROVIDE DUST CONTROL BARRIERS AT ALL AREAS OF CONSTRUCTION.
5. THE CONTRACTOR SHALL PATCH ALL SURFACES WHERE EXISTING MATERIALS HAVE BEEN DISTURBED BY ANY TRADE TO MATCH AND BE FLUSH WITH ADJACENT CONSTRUCTION AT ALL FLOOR, WALL, AND CEILING LOCATIONS. COORDINATE w/ M, E & P DRAWINGS.
6. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.

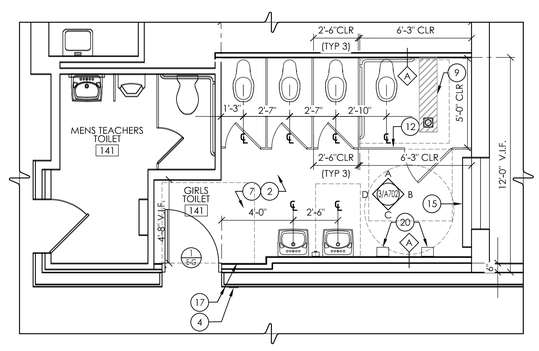
RECONSTRUCTION KEYNOTES:

1. CERAMIC TILE FLOORING AND WALL BASE, FULL EXTENT OF ROOM.
2. CERAMIC WALL TILE. REFER TO INTERIOR ELEVATIONS FOR HEIGHT.
3. PAINT WALLS FULL EXTENT OF ROOM.
4. PROVIDE ROOM SIGNAGE AS DETAILED, REFER TO 4/GEN-801.
5. VCT FLOORING AND 4" BASE, FULL EXTENT OF ROOM.
6. LAMINATED GYP ON EXISTING CMU WALL; ALIGN WITH NEW WALL.
7. RE-GROUT EXISTING TILE FLOORING.
8. PATCH WALL SUBSTRATE AT BASE OF WALL AS REQUIRED.
9. INFILL CONCRETE FLOOR SLAB. REFER TO 11/GEN-801.
10. PROVIDE NEW ROOFING SYSTEM TO MATCH EXISTING.
11. EXHAUST FAN & ROOF CURB BY M.C., G.C. TO SET CURB AND FLASH INTO EXISTING ROOFING.
12. NEW TOILET PARTITIONS.
13. NEW ACCESS PANEL, PATCH SURROUNDING WALL.
14. SEE SOMS DETAIL 4/A101 FOR SKYLIGHT RECONSTRUCTION.
15. NEW RADIATION HEATER COVER BY M.C., PAINT BY G.C.
16. FULL PRIVACY PARTITION.
17. INSTALL ACTUATOR, SEE ELEC. DRAWINGS.
18. PAINT METAL COVER WHITE.
19. PATCH WALL AS REQ'D.
20. REINSTALL SALVAGED ELECTRIC HAND DRYERS.
21. NEW ELECTRIC HAND DRYERS.



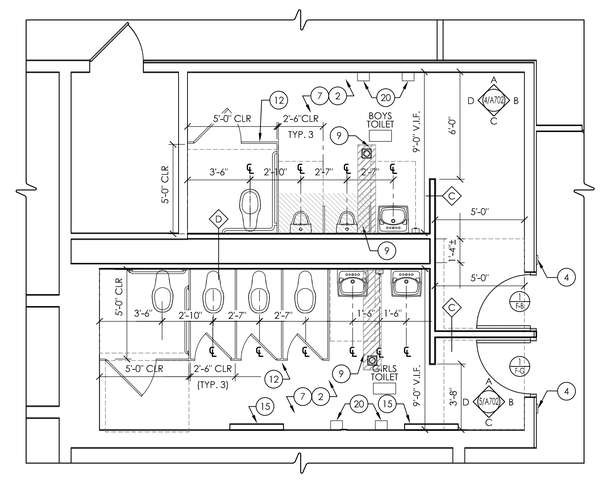
3 A201 PARTIAL SECOND FLOOR RECONSTRUCTION PLAN - AREA 'D'

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



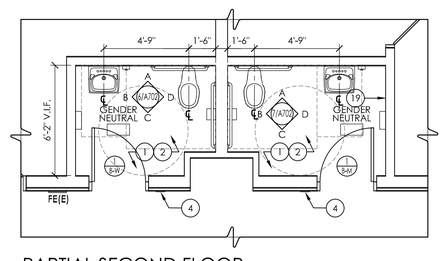
4 A201 PARTIAL SECOND FLOOR RECONSTRUCTION PLAN - AREA 'E'

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



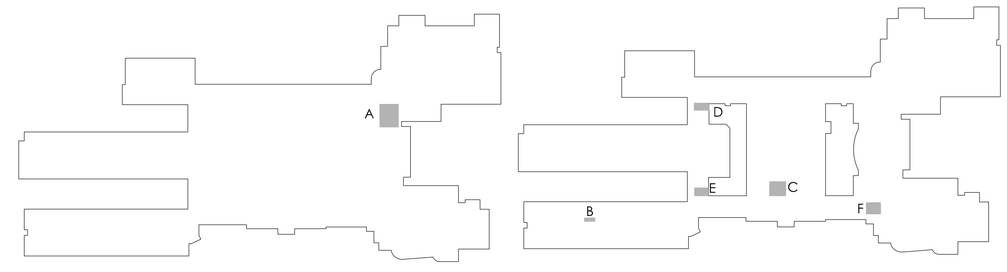
5 A201 PARTIAL SECOND FLOOR RECONSTRUCTION PLAN - AREA 'F'

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



6 A201 PARTIAL SECOND FLOOR RECONSTRUCTION PLAN - AREA 'B' - ALTERNATE #GC-4

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



FIRST FLOOR KEY PLAN

SCALE: N.T.S.

SECOND FLOOR KEY PLAN

SCALE: N.T.S.

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REVISIONS			
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SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913

COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED# 50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	TLB	IM

SCALE AS NOTED

SHEET TITLE
TAPPAN ZEE HIGH SCHOOL FIRST AND SECOND FLOOR RECONSTRUCTION PLANS

PROJECT NUMBER
14457.16

TZHS
A201
DRAWING NUMBER

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INDICATES THE USE OF CONFIDENCE SEALS. ALL INDICATED CONFIDENCE SEALS ARE INTENDED FOR ALL ITEMS THAT ARE ATTACHED TO THE SEAL OF AN ARCHITECT, ENGINEER OR LANDSCAPE ARCHITECT.

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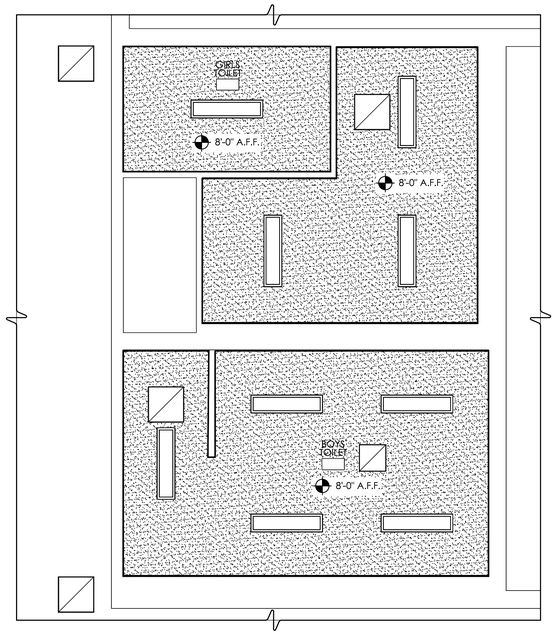
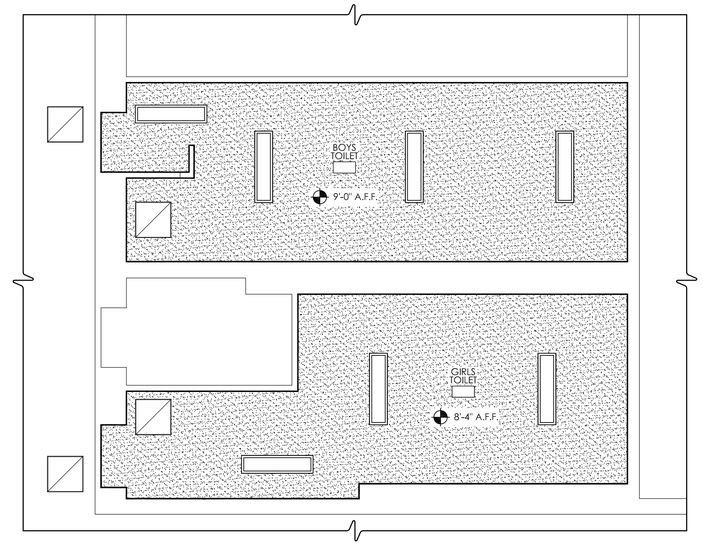
Date last plotted: 10/20/2022 11:12 AM
Plotted By: Lisa J Fasciglione



1 A601 PARTIAL FIRST FLOOR CEILING PLAN - AREA 'A' - ALTERNATE #GC-3
SCALE: 1/4" = 1'-0"



2 A601 PARTIAL SECOND FLOOR CEILING PLAN - AREA 'C'
SCALE: 1/4" = 1'-0"

CEILING LEGEND:

- GYPSUM BOARD CEILING SYSTEM
- SUSPENDED ACOUSTIC CEILING SYSTEM (ACT) 2' X 4'
- SUPPLY DIFFUSER BY M.C.
- RETURN DIFFUSER BY M.C.
- 2X4 LIGHT BY E.C.
- 1X4 LIGHT BY E.C.

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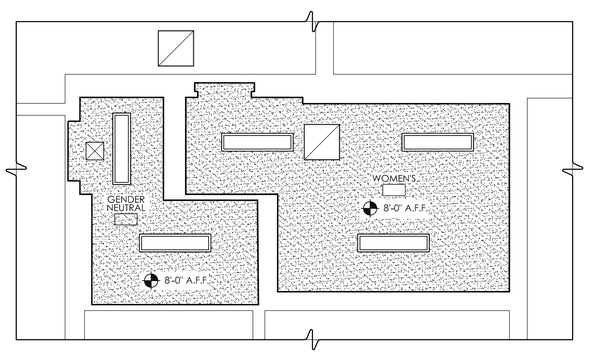
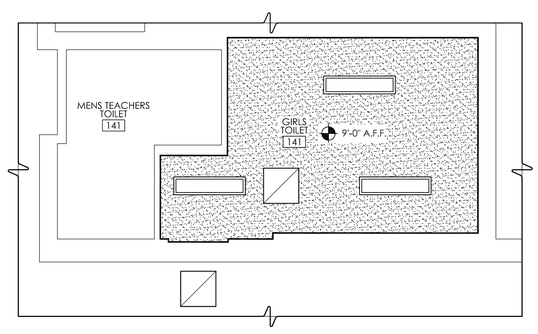
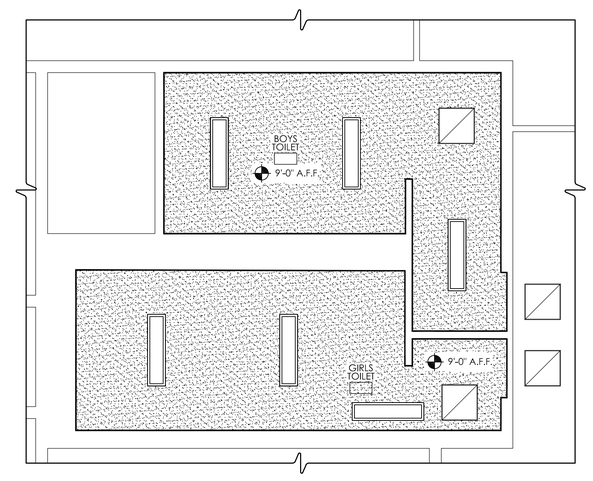
6. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.



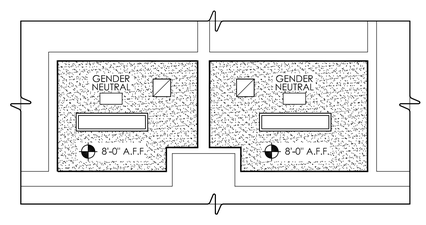
3 A601 PARTIAL SECOND FLOOR CEILING PLAN - AREA 'D'
SCALE: 1/4" = 1'-0"



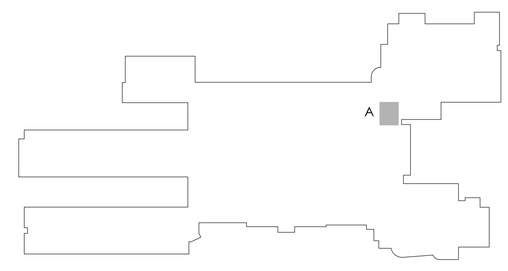
4 A601 PARTIAL SECOND FLOOR CEILING PLAN - AREA 'E'
SCALE: 1/4" = 1'-0"



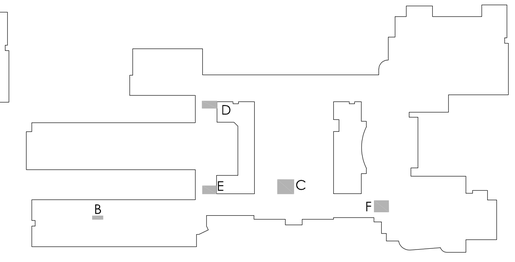
5 A601 PARTIAL SECOND FLOOR CEILING PLAN - AREA 'F'
SCALE: 1/4" = 1'-0"



6 A601 PARTIAL SECOND FLOOR CEILING PLAN - AREA 'B' - ALTERNATE #GC-4
SCALE: 1/4" = 1'-0"



FIRST FLOOR KEY PLAN
SCALE: N.T.S.
N



SECOND FLOOR KEY PLAN
SCALE: N.T.S.
N

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913
COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	TLB	LT

SCALE AS NOTED

SHEET TITLE
TAPPEN ZEE HIGH SCHOOL
FIRST AND SECOND FLOOR
CEILING PLANS

PROJECT NUMBER
14457.16

TZHS
A601
DRAWING NUMBER

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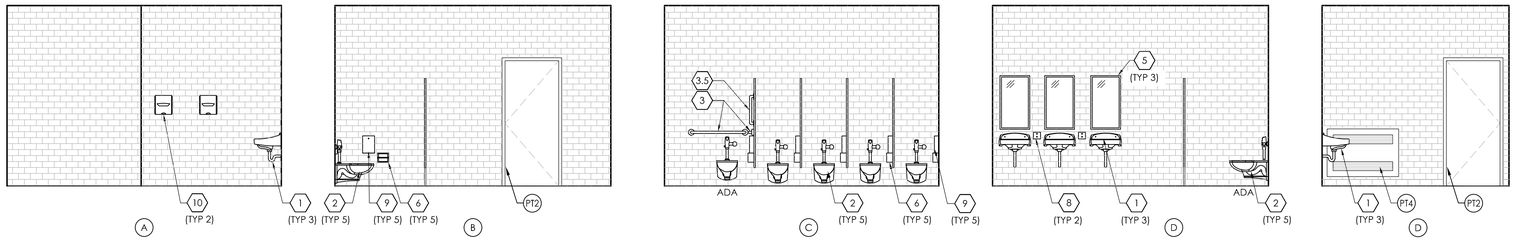
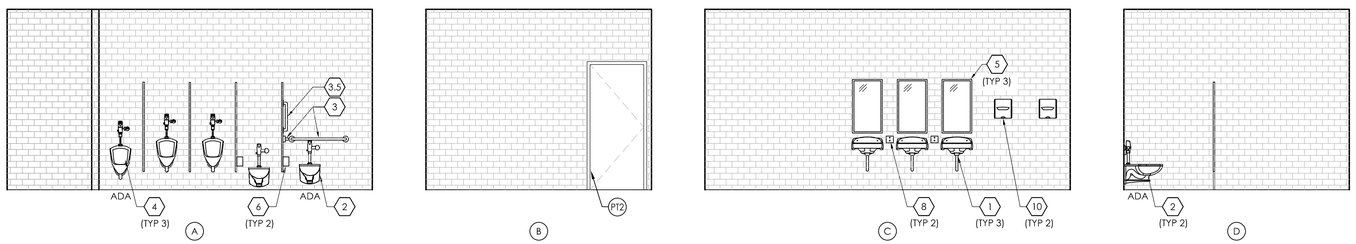
Plotted By: Lisa J Fasciglione



*SEE 8/GEN-A801 AND 9/GEN-A801 FOR ADDITIONAL INFORMATION

1 A701 GIRLS ROOM ELEVATIONS - AREA A - ALTERNATE #GC-3

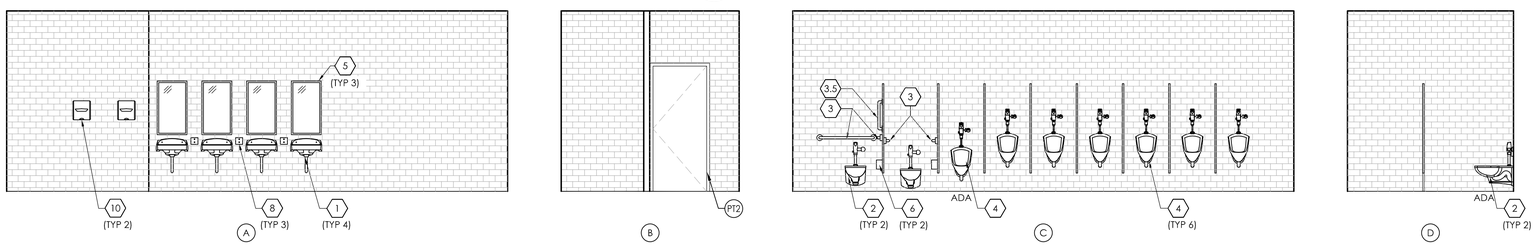
SCALE: 1/4" = 1'-0"



*SEE 8/GEN-A801 AND 9/GEN-A801 FOR ADDITIONAL INFORMATION

2 A701 BOYS ROOM ELEVATIONS - AREA A - ALTERNATE #GC-3

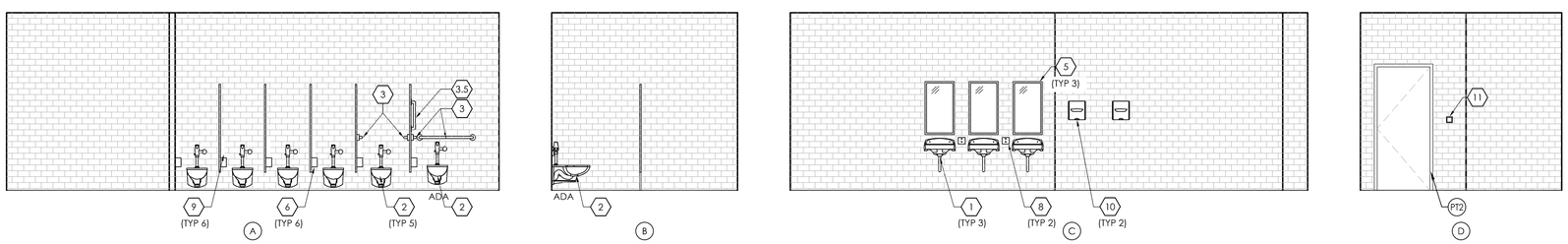
SCALE: 1/4" = 1'-0"



*SEE 8/GEN-A801 AND 9/GEN-A801 FOR ADDITIONAL INFORMATION

3 A701 BOYS ROOM ELEVATIONS - AREA C

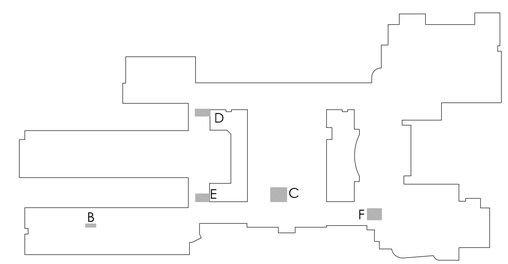
SCALE: 1/4" = 1'-0"



*SEE 8/GEN-A801 AND 9/GEN-A801 FOR ADDITIONAL INFORMATION

4 A701 GIRLS ROOM ELEVATIONS - AREA C

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



SECOND FLOOR KEY PLAN

SCALE: N.T.S.

FIRST FLOOR KEY PLAN

SCALE: N.T.S.

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CAPITAL IMPROVEMENT PROJECT 2022
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S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	TLB	LT

SCALE AS NOTED

SHEET TITLE
TAPPAN ZEE HIGH SCHOOL
TOILET ROOM ELEVATIONS

PROJECT NUMBER
14457.16

TZHS
A701
DRAWING NUMBER

INCIDENTALLY THE AS-CONSTRUCTED SITE DATA, INCLUDING AS-BUILT DRAWINGS, ARE INFORMATIVE. ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

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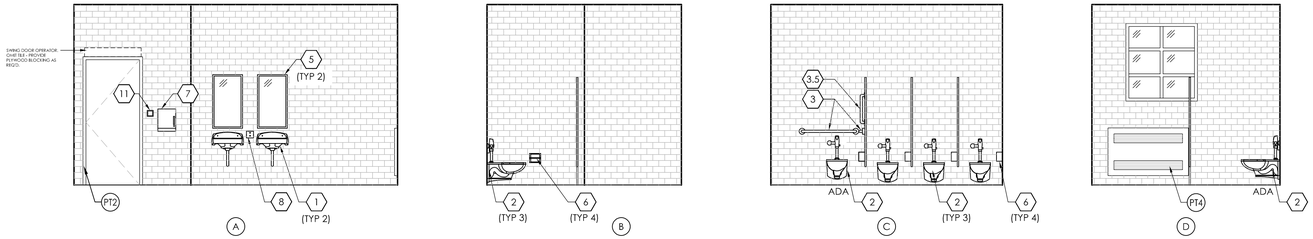
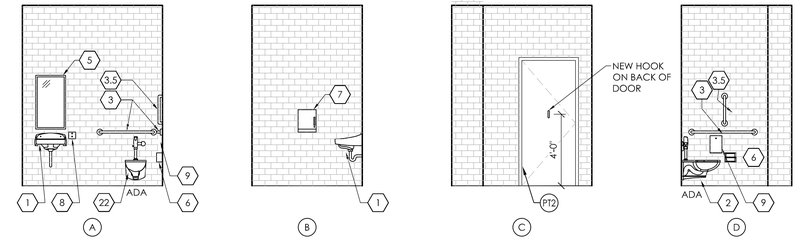
Plotted By: Lisa J Fasciglione



*SEE 8/GEN-A801 AND 9/GEN-A801 FOR ADDITIONAL INFORMATION

1 A702 WOMENS ROOM ELEVATIONS - AREA D

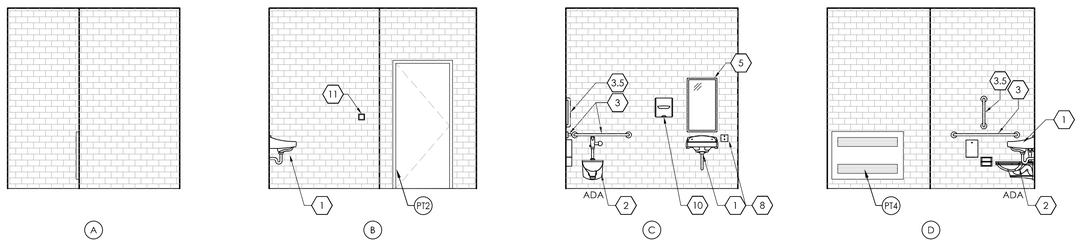
SCALE: 1/4" = 1'-0"



*SEE 8/GEN-A801 AND 9/GEN-A801 FOR ADDITIONAL INFORMATION

6 A702 GENDER NEUTRAL ELEVATIONS - AREA B - ALTERNATE #GC-4

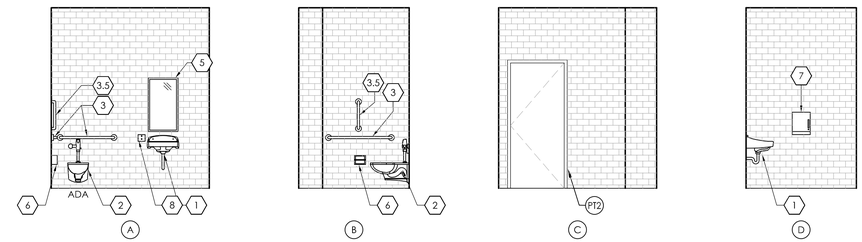
SCALE: 1/4" = 1'-0"



*SEE 8/GEN-A801 AND 9/GEN-A801 FOR ADDITIONAL INFORMATION

2 A702 GENDER NEUTRAL ELEVATIONS - AREA D

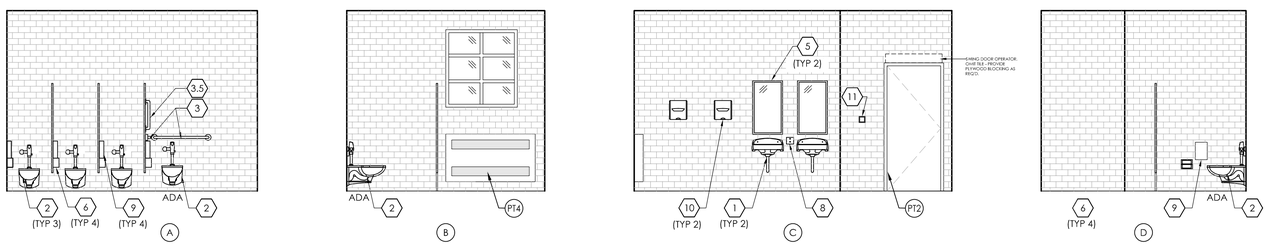
SCALE: 1/4" = 1'-0"



*SEE 8/GEN-A801 AND 9/GEN-A801 FOR ADDITIONAL INFORMATION

7 A702 GENDER NEUTRAL ELEVATIONS - AREA B - ALTERNATE #GC-4

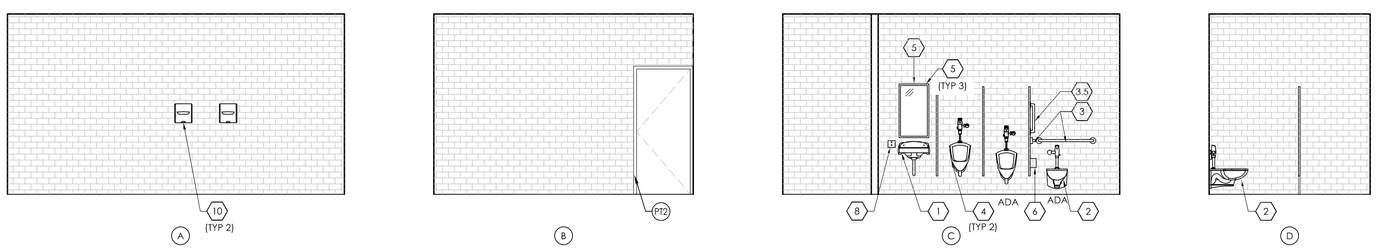
SCALE: 1/4" = 1'-0"



*SEE 8/GEN-A801 AND 9/GEN-A801 FOR ADDITIONAL INFORMATION

3 A702 GIRLS ROOM ELEVATIONS - AREA E

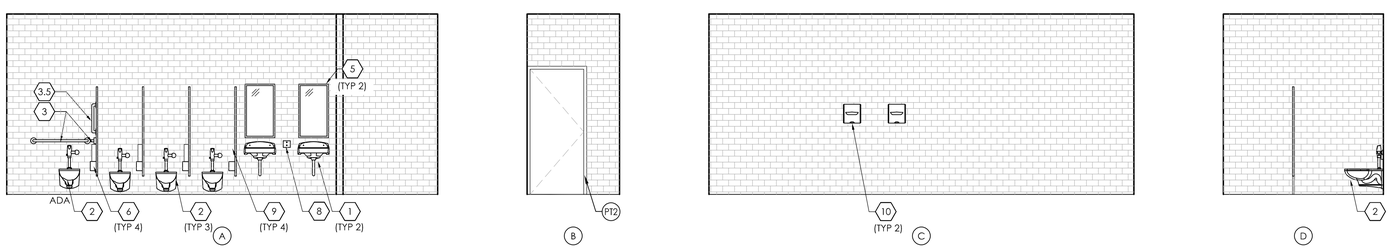
SCALE: 1/4" = 1'-0"



*SEE 8/GEN-A801 AND 9/GEN-A801 FOR ADDITIONAL INFORMATION

4 A702 BOYS ROOM ELEVATIONS - AREA F

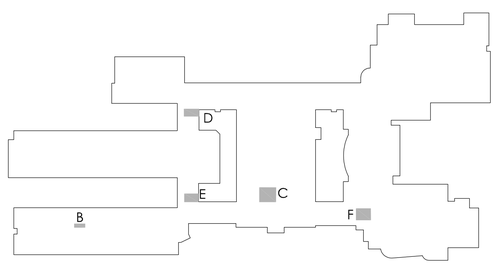
SCALE: 1/4" = 1'-0"



*SEE 8/GEN-A801 AND 9/GEN-A801 FOR ADDITIONAL INFORMATION

5 A702 GIRLS ROOM ELEVATIONS - AREA F

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



N

SECOND FLOOR KEY PLAN

SCALE: N.T.S.

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NEWBURGH, NEW YORK 12550
TEL (800) 274-9000
FAX (845) 567-9614

REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913

COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	TLB	LT

SCALE AS NOTED

SHEET TITLE
TAPPAN ZEE HIGH SHOOL
TOILET ROOM ELEVATIONS

PROJECT NUMBER
14457.16

TZHS
A702
DRAWING NUMBER

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 FOR ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF ANY ALTERATION IS MADE, THE ARCHITECT OR ENGINEER MUST ATTACH HIS OR HER SEAL TO THE ITEM ALONG WITH A DESCRIPTION OF THE ALTERATION.

INDIVIDUALITY, THE USE OF UNIFORMED SPECIFICATIONS, VARIOUS PRODUCTS, OR ITEMS OTHER THAN THOSE SPECIFIED, OR ANY OTHER DEVIATIONS FROM THE CONTRACT DRAWINGS, MAY RESULT IN ADDITIONAL COSTS TO THE OWNER.

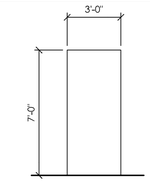
Drawing Name: S:\Projects\So_Orange CSD\2022 Summer Work\D Design\06 CAD\AutoCAD\ARCH\A7\TZHS_A701.dwg
Date last accessed: 10/20/2022 11:44 AM
Date last plotted: 10/20/2022 11:53 AM
Plotted By: Lisa J Fasciglione

DOOR AND FRAME SCHEDULE

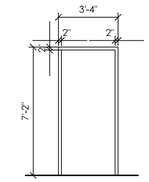
DOOR NO.	DOORS SIZE WIDTH	DOORS SIZE HEIGHT	DOORS SIZE TH.	DOORS TYPE	DOORS MATERIAL / FINISH	DOORS UNDERCUT	FIRE RATING	FRAMES OVERALL SIZE WIDTH	FRAMES OVERALL SIZE HEIGHT	FRAMES OVERALL SIZE DEPTH	FRAMES TYPE	FRAMES MATERIAL / FINISH	FRAMES JAMB DETAIL	FRAMES HEAD DETAIL	FRAMES SILL DETAIL	HARDWARE SET NO.	ACTUATOR	LOCATION / FUNCTION	REMARKS
COTTAGE LANE ELEMENTARY SCHOOL																			
1-103A	3'-0"	7'-0"	1 3/4"	A	WD	-	90 MIN	-	-	-	-	-	-	-	7/GEN-801	SEE SPEC	NEW ONE SIDE	TOILET	REUSE EXISTING FRAME; PAINT
1-103B	3'-0"	7'-0"	1 3/4"	A	WD	-	90 MIN	3'-4"	7'-2"	9"	1	HM, PT	6/GEN-801	5/GEN-801	7/GEN-801	SEE SPEC	-	TOILET	
SOUTH ORANGETOWN MIDDLE SCHOOL																			
1/A-B	3'-0"	7'-0"	1 3/4"	A	WD	-	90 MIN	3'-4"	7'-2"	6 5/8"	1	HM, PT	13/GEN-801	12/GEN-801	7/GEN-801	SEE SPEC	-	TOILET	
1/A-G	3'-0"	7'-0"	1 3/4"	A	WD	-	90 MIN	-	-	-	-	-	-	-	7/GEN-801	SEE SPEC	-	TOILET	REUSE EXISTING FRAME; PAINT
TAPPEN ZEE HIGH SCHOOL																			
1/A-G	3'-0"	7'-0"	1 3/4"	A	WD	-	90 MIN	-	-	-	-	-	-	-	7/GEN-801	SEE SPEC	-	TOILET	REUSE EXISTING FRAME; PAINT
2/A-G	3'-0"	7'-0"	1 3/4"	A	WD	-	-	-	-	-	-	-	-	-	7/GEN-801	SEE SPEC	-	TOILET	REUSE EXISTING FRAME; PAINT
1/A-B	3'-0"	7'-0"	1 3/4"	A	WD	-	90 MIN	-	-	-	-	-	-	-	7/GEN-801	SEE SPEC	-	TOILET	REUSE EXISTING FRAME; PAINT
1/C-B	3'-0"	7'-0"	1 3/4"	A	WD	-	90 MIN	3'-4"	7'-2"	6 5/8"	1	HM, PT	6/GEN-801	5/GEN-801	7/GEN-801	SEE SPEC	EXIST'G TO REMAIN	TOILET	
1/C-G	3'-0"	7'-0"	1 3/4"	A	WD	-	90 MIN	3'-4"	7'-2"	6 5/8"	1	HM, PT	6/GEN-801	5/GEN-801	7/GEN-801	SEE SPEC	NEW BOTH SIDES	TOILET	
1/D-A	3'-0"	7'-0"	1 3/4"	A	WD	-	90 MIN	-	-	-	-	-	-	-	7/GEN-801	SEE SPEC	NEW ONE SIDE	TOILET	REUSE EXISTING FRAME; PAINT
1/D-W	3'-0"	7'-0"	1 3/4"	A	WD	-	90 MIN	3'-4"	7'-2"	8" VIF	1	HM, PT	15/GEN-801	14/GEN-801	7/GEN-801	SEE SPEC	NEW BOTH SIDES	TOILET	
1/E-G	3'-0"	7'-0"	1 3/4"	A	WD	-	90 MIN	3'-4"	7'-2"	8" VIF	1	HM, PT	15/GEN-801	14/GEN-801	7/GEN-801	SEE SPEC	NEW BOTH SIDES	TOILET	
1/F-B	3'-0"	7'-0"	1 3/4"	A	WD	-	90 MIN	-	-	-	-	-	-	-	7/GEN-801	SEE SPEC	REMOVE EXISTING	TOILET	REUSE EXISTING FRAME; PAINT
1/F-G	3'-0"	7'-0"	1 3/4"	A	WD	-	90 MIN	-	-	-	-	-	-	-	7/GEN-801	SEE SPEC	-	TOILET	REUSE EXISTING FRAME; PAINT
1/B-W	3'-0"	7'-0"	1 3/4"	A	WD	-	90 MIN	-	-	-	-	-	-	-	7/GEN-801	SEE SPEC	-	TOILET	REUSE EXISTING FRAME; PAINT
1/B-M	3'-0"	7'-0"	1 3/4"	A	WD	-	90 MIN	-	-	-	-	-	-	-	7/GEN-801	SEE SPEC	-	TOILET	REUSE EXISTING FRAME; PAINT

LEGEND

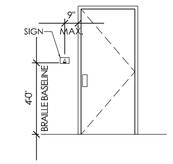
WD	WOOD
HM	HOLLOW METAL
PT	PAINTED
ALUM	ALUMINUM



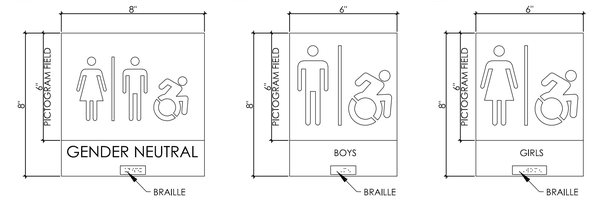
1 GEN-A801 DOOR TYPE
SCALE: 1/4" = 1'-0"



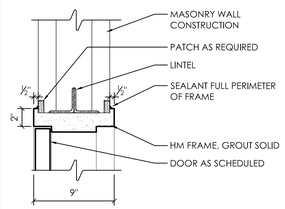
2 GEN-A801 FRAME TYPE
SCALE: 1/4" = 1'-0"



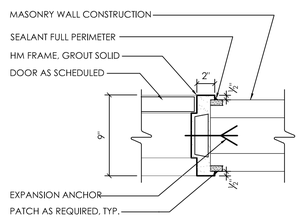
3 GEN-A801 SIGNAGE LOCATION
SCALE: 1/4" = 1'-0"



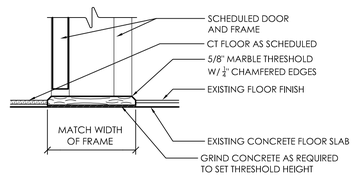
4 GEN-A801 SIGNAGE LAYOUT
SCALE: 3" = 1'-0"



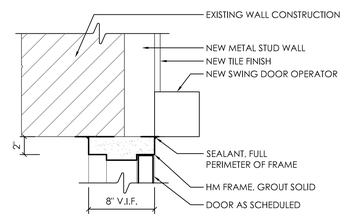
5 GEN-A801 DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



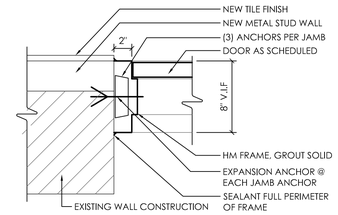
6 GEN-A801 DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



7 GEN-A801 SILL DETAIL
SCALE: 1 1/2" = 1'-0"



14 GEN-A801 DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



15 GEN-A801 DOOR JAMB DETAIL
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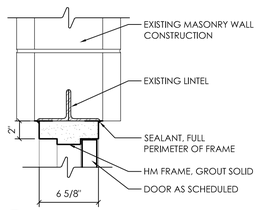
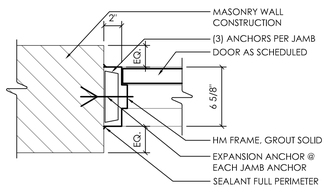
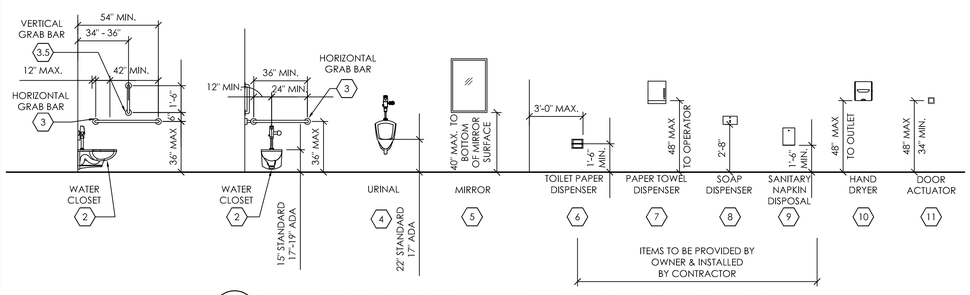


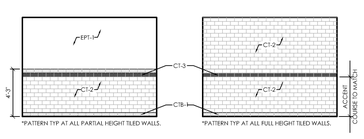
12 GEN-A801 DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



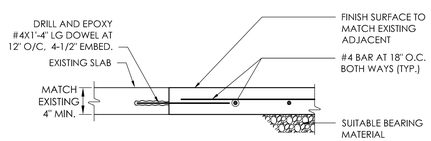
13 GEN-A801 DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



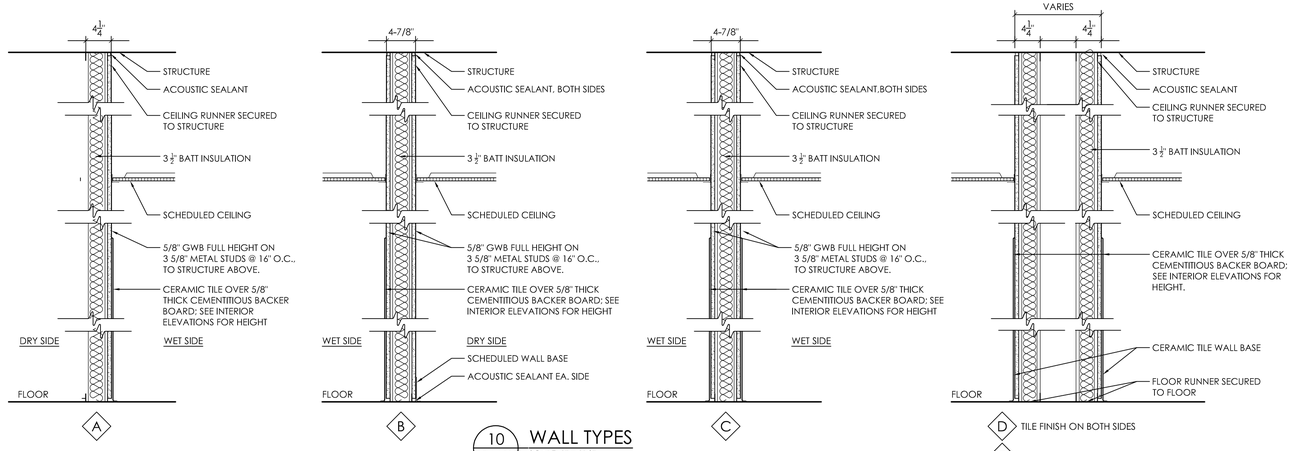
8 GEN-A801 TYPICAL BATHROOM FIXTURES AND ACCESSORY LEGEND
SCALE: 1/4" = 1'-0"



9 GEN-A801 TYPICAL TILE PATTERN
SCALE: 1" = 1'-0"



11 GEN-A801 SLAB INFILL DETAIL
SCALE: N.T.S



10 GEN-A801 WALL TYPES
SCALE: 1" = 1'-0"

COLOR & FINISH SCHEDULE

FINISH CODE		ITEM	MANUFACTURER	STYLE/PATTERN	COLOR	SIZE	ADDITIONAL REQUIREMENTS	REMARKS
ACT	1	ACOUSTICAL CEILING TILE	ARMSTRONG	OPTIMA SQUARE LAY-IN 3150	WHITE	24" X 24" X 3/4""	NRC: .90, .90 LIGHT REFLECTANCE, CLASS A, 15/16" GRID WITH PRELUDE XL SUSPENSION SYSTEM	STANDARD 2' X 2' CEILING TILE
CT	1	CERAMIC TILE	DALTILE	KEYSTONES	UPTOWN TAUPE SPECKLE (D202)	2" X 2" MOSAIC	-	FLOOR TILE
CT	2	CERAMIC TILE	CROSSVILLE	COLOR BY NUMBERS	EDGE OF SEVENTEEN	4 "X 8"	RUNNING BOND INSTALLATION	MATTE FIELD WALL TILE
CT	3	CERAMIC TILE	CROSSVILLE	COLOR BY NUMBERS	CARBON 14	4 "X 8"	RUNNING BOND INSTALLATION	GLOSS ACCENT WALL TILE
CTB	1	CERAMIC TILE BASE	CROSSVILLE	FLAT TOP COVE	EDGE OF SEVENTEEN	4 1/4" X 4 1/4"	RUNNING BOND INSTALLATION	MATTE COVE BASE
EPT	1	EPOXY PAINT	SHERWIN WILLIAMS	SW 7566	WESTHIGHLAND WHITE	-	*	TOILET ROOMS
VCT	1	VCT	ARMSTRONG	PREMIUM EXCELON - RAFFIA STREAM	Z5900 AVALANCHE	12"X24"	-	FIELD TILE; INSTALLATION PATTERN TBD
VCT	2	VCT	ARMSTRONG	PREMIUM EXCELON - RAFFIA STREAM	Z5938 FLAME	12"X24"	-	ACCENT TILE; INSTALLATION PATTERN TBD
PT	1	PAINT	SHERWIN WILLIAMS	PROMAR 200		-	* CMU WALLS TO BE PREPPED WITH SHERWIN WILLIAMS PREPRITE BLOCK FILLER	FIELD COLOR
PT	2	PAINT	SHERWIN WILLIAMS	PROMAR 200	SW 6990 CAVIAR	-		ALL HOLLOW METAL FRAMES
PT	3	PAINT	SHERWIN WILLIAMS	PROMAR 200	SW 7007 CEILING BRIGHT WHITE	-	-	TYPICAL GWB CEILING COLOR
PT	4	PAINT	SHERWIN WILLIAMS		SW 6869 STOP	-	METAL ENAMEL	HEATER COVERS
RB	1	RESILIENT BASE	JOHNSONITE	TIGHTLOCK	BLACK 40	4 1/2" HIGH	INSTALL WITH 75' ROLLS	VCT
TP	1	TOILET PARTITIONS	SCRANTON PRODUCTS	–	NICKLE	-	-	-
TR	1	TRIM	SCHLUTER	JOLLY	SATIN ANODIZED (AE)	1/8"	ALL OUTSIDE TILE CORNERS	TOILET ROOMS
TS	1	TRANSITION STRIP	MARBLE THRESHOLD	–	–	1/2" THICK	TRANSITION MUST BE ADA COMPLAINT	TOILET ROOMS

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50 FRONT STREET, SUITE 202
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REVISIONS

NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD., BLAUVELT, NY 10913
COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	TLB	LT

SCALE AS NOTED

SHEET TITLE
SCHEDULES, DETAILS AND WALL TYPES

PROJECT NUMBER
14457.16

GEN A801
DRAWING NUMBER

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Plotted By: Lisa J Fasciglione
Date last plotted: 10/20/2022 12:04 PM
Date last accessed: 10/20/2022 12:04 PM
Drawing Name: S:\Projects\So_Orange CSD\2022 Summer Work\D Design\06 CAD\AutoCAD\ARCH\A0\GEN-A801.dwg

HVAC SYMBOLS LIST

SYMBOL	DESCRIPTION
AAD	AUTOMATIC AIR DAMPER
ACC	AIR-COOLED CONDENSING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
BBD	BOILER BLOW DOWN
BD	BACKDRAFT DAMPER
CA	COMPRESSED AIR
CD	COOLING COIL CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CR	CONDENSER WATER RETURN
CS	CONDENSER WATER SUPPLY
CW	DOMESTIC COLD WATER
D	DRAIN
(E)	EXISTING
EA	EXHAUST AIR
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ERHC	ELECTRIC REHEAT COIL
ETR	EXISTING TO REMAIN
EUH	ELECTRIC UNIT HEATER
F&T	FLOAT AND THERMOSTATIC TRAP
FCU	FAN-COIL UNIT
FPM	FEET PER MINUTE
FT	FIN-TUBE
GC	GENERAL CONTRACTOR
GR	GLYCOL RETURN
GS	GLYCOL SUPPLY
HC	HVAC CONTRACTOR
HHWR	HEATING HOT WATER RETURN
HHWS	HEATING HOT WATER SUPPLY
HP	HEAT PUMP
HPC	HIGH PRESSURE CONDENSATE
HPS	HIGH PRESSURE STEAM
LF	LINEAR FOOTAGE OF FIN-TUBE RADIATION
LPC	LOW PRESSURE CONDENSATE
LPG	LIQUEFIED PROPANE GAS
LPS	LOW PRESSURE STEAM
MBH	1,000 BTU/HR
MC	MECHANICAL CONTRACTOR
MPC	MEDIUM PRESSURE CONDENSATE
MPS	MEDIUM PRESSURE STEAM
MRD	MONOFLO FITTING DOWN – HHWR
MSD	MONOFLO FITTING DOWN – HHWS
MUW	MAKE-UP WATER
NC	NORMALLY CLOSED
NG	NATURAL GAS
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
PC	PLUMBING CONTRACTOR
PD	PUMP DISCHARGE
PHWR	PRIMARY HEATING HOT WATER RETURN
PHWS	PRIMARY HEATING HOT WATER SUPPLY
RA	RETURN AIR
RD	REFRIGERANT DISCHARGE
RHC	HOT WATER REHEAT COIL
RLL	REFRIGERANT LIQUID PIPE
RSL	REFRIGERANT SUCTION PIPE
RTU	ROOFTOP UNIT
RV	ROOF VENT
SA	SUPPLY AIR
SHWR	SECONDARY HEATING HOT WATER RETURN
SHWS	SECONDARY HEATING HOT WATER SUPPLY
SSI	SPLIT SYSTEM INDOOR SECTION (EVAPORATOR SECTION)
SSO	SPLIT SYSTEM OUTDOOR SECTION (CONDENSING UNIT)
TC	TEMPERATURE CONTROLS CONTRACTOR
UH	UNIT HEATER
UV	UNIT VENTILATOR
V	VENT
WAHP	WATER-TO-AIR HEAT PUMP
WWHP	WATER-TO-WATER HEAT PUMP
WMS	WIRE MESH SCREEN

SYMBOL	DESCRIPTION
	CONNECTION - TOP
	CONNECTION - BOTTOM
	DIRECTION OF FLOW
	REDUCER
	CAP OR PLUG
	ELBOW DOWN
	ELBOW UP
	TEE OUTLET - UP
	TEE OUTLET - DOWN
	UNION
	GATE VALVE
	BALL VALVE
	BALANCING VALVE
	STRAINER
	STRAINER WITH BLOW-DOWN
	BUTTERFLY VALVE
	BUTTERFLY CONTROL VALVE, PNEUMATIC 2-WAY
	BUTTERFLY CONTROL VALVE, ELECTRIC ACTUATOR
	GLOBE VALVE
	CHECK VALVE
	TRIPLE DUTY VALVE
	GAS COCK, PLUG VALVE
	UNDERCUT DOOR 1"
	LOUVERED DOOR W/ SQ. FT. OF FREE AREA
M	AIR VENT - MANUAL
A	AIR VENT - AUTOMATIC
	FLANGE
	CONTROL/SOLENOIND VALVE, ELECTRIC 2-WAY
	CONTROL VALVE, ELECTRIC 3-WAY
	CONTROL VALVE, PNEUMATIC 2-WAY
	CONTROL VALVE, PNEUMATIC 3-WAY
	RELIEF / SAFETY VALVE
	PRESSURE REDUCING VALVE
V	VACUUM BREAKER
	FLEXIBLE PIPE CONNECTOR
	EXPANSION COMPENSATOR W/ GUIDES
	EXPANSION JOINT
	PIPE ANCHOR
	PIPE GUIDE
TT	THERMOSTATIC TRAP
FT	FLOAT & THERMOSTATIC TRAP
BT	BUCKET TRAP
TD	THERMODYNAMIC TRAP
	THERMOMETER
	WELL
	PRESSURE GAUGE
	STEAM PRESSURE GAUGE WITH 1/4" NEEDLE VALVE
	PRESSURE GAUGE WITH 1/4" NEEDLE VALVE
	PNEUMATIC (CONTROL) TUBING
	BUTTERFLY VALVE WITH PNEUMATIC AND MANUAL OPERATORS
XX	PIPING
XX	PIPING BELOW GRADE
	BASE MOUNTED PUMP
	IN-LINE PUMP
	AIR TERMINAL UNIT WITH REHEAT COIL AND SOUND ATTENUATOR
	AIR TERMINAL UNIT WITH SOUND ATTENUATOR
	AIR TERMINAL UNIT WITH REHEAT COIL
	AIR TERMINAL UNIT
W/W ENCL.	WALL TO WALL FIN TUBE ENCLOSURE

SYMBOL	DESCRIPTION
(DBL)	DOUBLE WALL LINED DUCT
20/10	DUCT SECTION - SUPPLY
20/10	DUCT SECTION - RETURN/EXHAUST
A"	DUCT SECTION - ROUND DUCT IN INCHES
AXB FO	DUCT SECTION - FLAT OVAL DUCT IN INCHES
	ACOUSTIC THERMAL LINING
	FLEXIBLE DUCTWORK
FC	FLEXIBLE CONNECTION
	FIRE DAMPER
	SMOKE DAMPER
	COMBINATION FIRE AND SMOKE DAMPER
VD	VOLUME DAMPER
	DAMPER CONTROL, PARALLEL BLADE
	DAMPER CONTROL, OPPOSED BLADE
AAD	AUTOMATIC AIR DAMPER
BDD	BACK DRAFT DAMPER
BG	BLAST GATE
20/10 12X10 10/20	AIR DUCT (FIRST FIGURE IS DUCT WIDTH/TOP, SECOND FIGURE IS DUCT DEPTH)
	MULTI-BLADE AIR EXTRACTOR
	TURNING VANES
	EXISTING WORK TO BE REMOVED (HATCHED)
	POINT OF CONNECTION
	POINT OF DISCONNECTION
	AIR FLOW SENSOR
	FILTER
	TRANSITION SQUARE TO ROUND
	HUMIDIFIER DISPERSION TUBE
RISE R	RISE IN DUCT
DROP D	DROP IN DUCT
	SQUARE CEILING DIFFUSER (4 WAY)
	ROUND CEILING DIFFUSER
	SQUARE OR RECTANGULAR CEILING GRILLE
	SUPPLY REGISTER, RETURN OR EXHAUST GRILLE
1-WAY 2-WAY 3-WAY	SUPPLY DIFFUSER, 1-WAY, 2-WAY, 3-WAY
8"Ø, D-3 300 CFM	CEILING DIFFUSER WITH NECK SIZE, TYPE, & CFM
10"x10", G-3 300 CFM	CEILING RETURN OR EXHAUST GRILLE WITH SIZE, TYPE, & CFM
10"x8", R-2 300 CFM	SUPPLY REGISTER WITH SIZE, TYPE, & CFM
10"x8", G-2 300 CFM	RETURN OR EXHAUST GRILLE WITH SIZE, TYPE, & CFM
	AIR FLOW
L1	ACOUSTIC/THERMAL DUCTWORK LINING - 1 INCH THICK
L2	ACOUSTIC/THERMAL DUCTWORK LINING - 2 INCH THICK
PL1	ACOUSTIC/THERMAL DUCTWORK PLENUM LINING - 1 INCH THICK
PL2	ACOUSTIC/THERMAL DUCTWORK PLENUM LINING - 2 INCH THICK

SYMBOL	DESCRIPTION
24X12 12X10 VD	SUPPLY / RETURN / EXHAUST AIR TAKEOFFS (1-1/2 TIMES BRANCH SIZE; 24X12; 12X10; VD)
24X12 8"Ø VD	SUPPLY / RETURN / EXHAUST AIR TAKEOFFS (1-1/2 TIMES BRANCH SIZE; 24X12; 8"Ø; VD)
14"Ø 10"Ø VD	SUPPLY AIR TAKEOFFS (CONICAL TEE; 14"Ø; 10"Ø; VD)
14"Ø 10"Ø VD	SUPPLY AIR TAKEOFFS (LATERAL; 14"Ø; 10"Ø; VD)
24X12 6X12 12X10 18X12 20X12	SUPPLY AIR TAKEOFFS (24X12; 18X12; 12X10; 6X12; 20X12)
24X12 12X10 VD	SUPPLY/RETURN EXHAUST AIR TAKEOFFS W/ REGISTER/GRILLE/ DIFFUSER (24X12; 12X10; VD)
VD VD	SUPPLY/RETURN EXHAUST AIR END OF MAIN BRANCH TAKEOFFS (VD)
VD VD	SUPPLY/RETURN EXHAUST AIR END OF MAIN BRANCH TAKEOFFS (VD)
	LONG RADIUS 90° ELBOW R/W=1.5 (W; R)
	LONG RADIUS 45° ELBOW R/W=1.5 (W; R)
	90° ELBOW WITH TURNING VANES
18X16 18X8 18X8	90 VERTICAL SPLIT OFF (PLAN VIEW) (18X8; 18X16; 18X8)
20X10 20X10 20X10	DUCT TURNING UP OR DOWN (20X10)
U MAX MIN	AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE MAX = MAXIMUM CFM MIN = MINIMUM CFM
U GPM MAX	AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE GPM = GALLONS PER MIN MAX = MAXIMUM GPM
U MAX MIN FAN	FAN POWERED AIR TERMINAL UNIT U - UNIT TYPE MAX = PRIMARY MAX CFM MIN = PRIMARY MIN CFM FAN = FAN CFM
TYPE COIL SIZE CLNG GPM HTNG GPM	TYPE = VALANCE TYPE COIL SIZE = COIL LENGTH CLNG GPM = COOLING GPM HTNG GPM = HEATING GPM
X XX	X = DIFFUSER OR GRILL TYPE XX = AIR FLOW VALUE (CFM)

SYMBOL	DESCRIPTION
	ELECTRIC/PNEUMATIC SWITCH OR RELAY
	PNEUMATIC/ELECTRIC SWITCH OR RELAY
CT	CURRENT TRANSDUCER
	OPEN/CLOSED
	START/STOP
	ENABLE/DISABLE
	TEMPERATURE SENSOR (DUCT OR PIPE MOUNTED)
	HUMIDITY SENSOR (DUCT MOUNTED)
	FLOW TRANSMITTER
	PRESSURE TRANSMITTER
	DIFFERENTIAL PRESSURE TRANSMITTER
	ELECTRIC/PNEUMATIC TRANSDUCER
	ELECTRIC/ELECTRONIC TRANSDUCER
	DUCT SMOKE DETECTOR
T	SPACE THERMOSTAT
	SPACE TEMPERATURE SENSOR
CO2	SPACE CARBON DIOXIDE SENSOR
CH4	SPACE NATURAL GAS SENSOR
CO	SPACE CARBON MONOXIDE SENSOR
G	SPACE SENSOR WITH GUARD
H	SPACE HUMIDISTAT
FS	WATER FLOW SENSOR
	PNEUMATIC ACTUATOR
	ELECTRIC ACTUATOR
VSD VFD	VARIABLE SPEED / FREQUENCY DRIVE
	COOLING COIL
	HEATING COIL
	GAS FURNACE
H	HUMIDIFIER
A	ALARM
S	STATUS
FS	FLOW SWITCH
ΔP	DIFFERENTIAL STATIC PRESSURE SWITCH
R	RELAY
	PRESSURE GAUGE
FZ	FREEZE-STAT
DI	DIGITAL INPUT (TO BUILDING MANAGEMENT SYSTEM)
DO	DIGITAL OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)
AO	ANALOG OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)
AI	ANALOG INPUT (TO BUILDING MANAGEMENT SYSTEM)
	ELECTRICAL INTERFACE
SF	SPEED FEED BACK
ES	END SWITCH
PF	POSITION FEEDBACK
	TRAVERSE AVERAGING SENSOR
	PROBE SENSOR
	FREEZE STAT SENSOR

SYMBOLS GENERAL NOTES:

1) VALVE AND DAMPER ACTUATOR TYPES (ELECTRIC OR PNEUMATIC) WHICH ARE INDICATED IN HVAC TEMPERATURE CONTROL DRAWINGS SHALL SUPERSEDE TYPE INDICATED ON ALL OTHER HVAC DRAWINGS.

HVAC CONTRACTOR GENERAL NOTES:

A. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS WITHIN THE BUILDING PRIOR TO COMMENCEMENT OF ALL DEMOLITION AND NEW WORK.

B. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND REPLACE EXISTING CEILINGS, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS, FOR PERFORMING DEMOLITION OR NEW WORK WITHIN THE BUILDING. THE EXISTING CEILINGS SHALL BE REMOVED IN A MANNER TO AVOID DAMAGE TO THE CEILING SYSTEMS. STORAGE OF CEILING SYSTEM COMPONENTS FOR REINSTALLATION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE STORAGE OF ALL MATERIAL SHALL BE IN AREAS OR LOCATIONS APPROVED BY THE OWNER. THE OWNER WILL NOT COMPENSATE FOR ANY DAMAGED OR LOST MATERIAL WHILE IN STORAGE. AFTER COMPLETION OF ALL DEMOLITION OR NEW WORK, THE CONTRACTOR SHALL REINSTALL THE CEILING SYSTEMS TO MATCH THE ORIGINAL INSTALLATION.

C. DEMOLITION DRAWINGS SHOW MAJOR EQUIPMENT, PIPING, AND DUCTWORK REMOVALS. THE INTENT IS NOT TO IDENTIFY ALL MISCELLANEOUS PIPING, PIPING ACCESSORIES, DUCTWORK, DUCTWORK ACCESSORIES, SUPPORTS, CONTROLS, CONTROL ACCESSORIES, CONTROL WIRING, CONDUIT, AND PNEUMATIC CONTROL TUBING TO BE DISCONNECTED AND REMOVED, BUT IS THE REQUIREMENT UNDER THIS CONTRACT. NO EQUIPMENT, PIPING, OR DUCTWORK SHALL BE ABANDONED IN PLACE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

D. ALL EQUIPMENT INDICATED TO BE TURNED OVER TO THE OWNER SHALL BE DISCONNECTED AND REMOVED FROM THE EXISTING SYSTEMS AND DELIVERED (INCLUDING LOADING AND UNLOADING) TO A STORAGE AREA WITHIN THE BUILDING AS SELECTED BY THE OWNER. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ANY EQUIPMENT DAMAGED DURING REMOVAL AND DELIVERY. ANY DAMAGE TO EQUIPMENT PRIOR TO DISCONNECTING SHOULD BE REPORTED TO THE OWNER'S REPRESENTATIVE. IF NOT REPORTED, THE CONTRACTOR TAKES FULL RESPONSIBILITY FOR REPAIRS TO THE EQUIPMENT.

E. BEFORE DISCONNECTING, REMOVING, OR SERVICING ANY AIR CONDITIONING EQUIPMENT OR SYSTEMS CONTAINING REFRIGERANTS, THE EQUIPMENT OR SYSTEMS SHALL BE EVACUATED OF ALL REFRIGERANT PER THE LATEST ADOPTED RULES AND REGULATIONS BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA). THE CONTRACTOR OR TECHNICIAN PERFORMING THE WORK SHALL BE CERTIFIED BY AN EPA APPROVED CERTIFYING AGENCY OR ORGANIZATION.

F. ALL DUCTWORK, PIPING, AND CONDUIT PENETRATIONS THROUGH RATED WALLS OR FLOORS SHALL BE PROVIDED WITH FIRE/SMOKE STOPPINGS PER SPECIFICATION. REFER TO CODE ANALYSIS DRAWING FOR ALL RATED WALL LOCATIONS. ALL FLOORS SHALL BE CONSIDERED RATED.

G. UNLESS SHOWN ON THE ARCHITECTURAL DRAWINGS, IT IS THE RESPONSIBILITY OF THIS CONTRACT TO PATCH AND FINISH ALL EXISTING DUCTWORK OR PIPE PENETRATIONS THROUGH FLOORS, ROOFS, INTERIOR WALLS, AND EXTERIOR WALLS AFTER DEMOLITION WORK. IN ADDITION, ALL NEW PENETRATIONS SHALL BE PROVIDED FOR INSTALLATION OF MECHANICAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, CURBING, DUCTWORK, PIPING, CONTROLS, ETC. PATCHING AND FINISHING SHALL MATCH EXISTING CONSTRUCTION INCLUDING FIRE RATINGS. PROVIDE LINTELS PER LINTEL SCHEDULE.

H. IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW ALL AIR VENTS AND DRAINS IN THE PIPING SYSTEMS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AIR VENTS AT ALL SYSTEM HIGH POINTS AND AT AREAS WITHIN THE PIPING SYSTEMS THAT COULD ACCUMULATE OR TRAP AIR WHICH WOULD PREVENT PROPER VENTING OR OPERATION OF THE SYSTEMS. DRAINS SHALL BE PROVIDED AT ALL LOW POINTS WITHIN THE PIPING SYSTEM TO FACILITATE COMPLETE DRAINING OF THE SYSTEM .

I. PROVIDE THERMAL EXPANSION COMPENSATORS AND THERMAL EXPANSION LOOPS IN PIPING SYSTEM PER INDUSTRY STANDARDS.

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ARCHITECTURE ▪ ENGINEERING ▪ PLANNING

50 FRONT STREET, SUITE 202
NEWBURGH, NEW YORK 12550
TEL (800) 274-9000
FAX (845) 567-9614

REVISIONS NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913

COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
05/18/22	KCM	JJM

SCALE NTS

SHEET TITLE
HVAC SYMBOLS LIST AND GENERAL NOTES

PROJECT NUMBER
14457.16

GEN
H000
DRAWING NUMBER

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Date last accessed: 10/12/2022 1:22 PM
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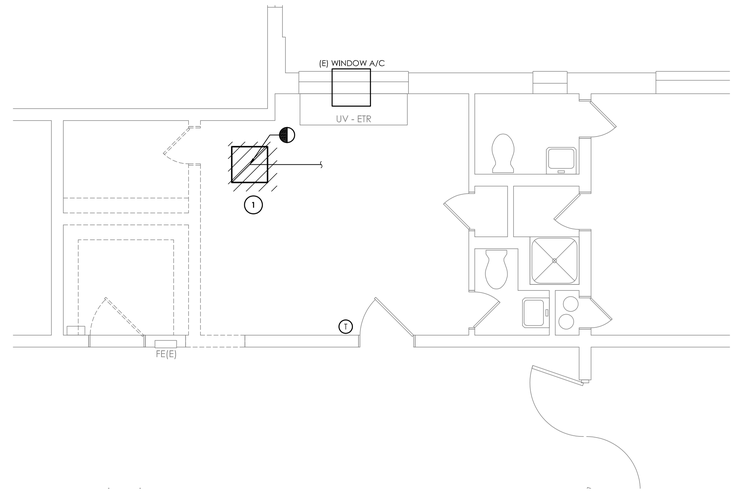
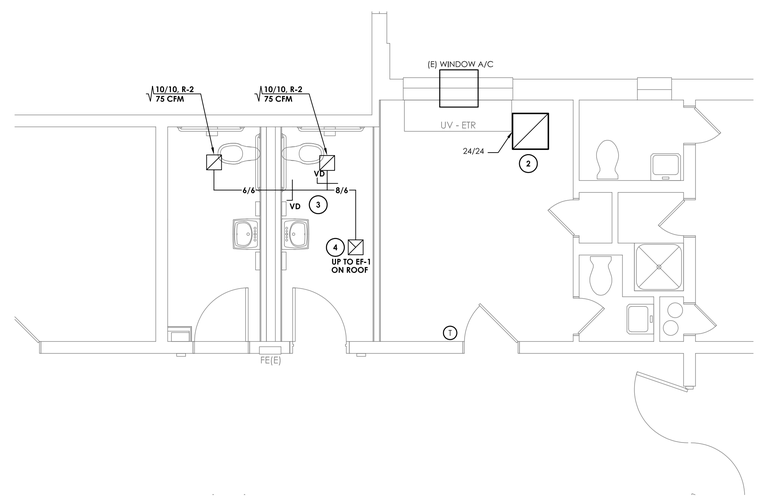
Plotted By: Kevin McCann



1 / H101 **FIRST FLOOR HVAC DEMOLITION WORK PLAN**
SCALE: 1/4" = 1'-0"



2 / H101 **FIRST FLOOR HVAC NEW WORK PLAN**
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

A. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS WITHIN THE BUILDING PRIOR TO COMMENCEMENT OF ALL DEMOLITION AND NEW WORK.

B. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND REPLACE EXISTING CEILINGS, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS, FOR PERFORMING DEMOLITION OR NEW WORK WITHIN THE BUILDING. THE EXISTING CEILINGS SHALL BE REMOVED IN A MANNER TO AVOID DAMAGE TO THE CEILING SYSTEMS. STORAGE OF CEILING SYSTEM COMPONENTS FOR REINSTALLATION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE STORAGE OF ALL MATERIAL SHALL BE IN AREAS OR LOCATIONS APPROVED BY THE OWNER. THE OWNER WILL NOT COMPENSATE FOR ANY DAMAGED OR LOST MATERIAL WHILE IN STORAGE. AFTER COMPLETION OF ALL DEMOLITION OR NEW WORK, THE CONTRACTOR SHALL REINSTALL THE CEILING SYSTEMS TO MATCH THE ORIGINAL INSTALLATION.

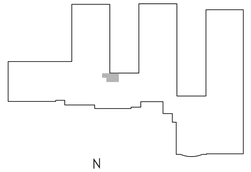
C. DEMOLITION DRAWINGS SHOW MAJOR EQUIPMENT, PIPING, AND DUCTWORK REMOVALS. THE INTENT IS NOT TO IDENTIFY ALL MISCELLANEOUS PIPING, PIPING ACCESSORIES, DUCTWORK, DUCTWORK ACCESSORIES, SUPPORTS, CONTROLS, CONTROL ACCESSORIES, CONTROL WIRING, CONDUIT, AND PNEUMATIC CONTROL TUBING TO BE DISCONNECTED AND REMOVED, BUT IS THE REQUIREMENT UNDER THIS CONTRACT. NO EQUIPMENT, PIPING, OR DUCTWORK SHALL BE ABANDONED IN PLACE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

D. ALL DUCTWORK, PIPING, AND CONDUIT PENETRATIONS THROUGH RATED WALLS OR FLOORS SHALL BE PROVIDED WITH FIRE/SMOKE STOPPINGS PER SPECIFICATION. REFER TO CODE ANALYSIS DRAWING FOR ALL RATED WALL LOCATIONS. ALL FLOORS SHALL BE CONSIDERED RATED.

E. UNLESS SHOWN ON THE ARCHITECTURAL DRAWINGS, IT IS THE RESPONSIBILITY OF THIS CONTRACT TO PATCH AND FINISH ALL EXISTING DUCTWORK OR PIPE PENETRATIONS THROUGH FLOORS, ROOFS, INTERIOR WALLS, AND EXTERIOR WALLS AFTER DEMOLITION WORK. IN ADDITION, ALL NEW PENETRATIONS SHALL BE PROVIDED FOR INSTALLATION OF MECHANICAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, CURBING, DUCTWORK, PIPING, CONTROLS, ETC. PATCHING AND FINISHING SHALL MATCH EXISTING CONSTRUCTION INCLUDING FIRE RATINGS. PROVIDE LINTELS PER LINTEL SCHEDULE.

KEY NOTES:

1. REMOVE EXISTING RETURN GRILLE. PREPARE EXISTING DUCTWORK FOR NEW LOCATION AND CONNECTION.
2. PROVIDE NEW RETURN GRILLE IN ACT CEILING. CONNECT TO EXISTING DUCTWORK.
3. PROVIDE 12X12 ACCESS DOOR FOR DAMPER ACCESS. COORDINATE WITH G.C.
4. PROVIDE 10/10 DUCT UP TO NEW EXHAUST FAN ON ROOF.



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KEY PLAN
SCALE: NTS

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50 FRONT STREET, SUITE 202
NEWBURGH, NEW YORK 12550
TEL (800) 274-9000
FAX (845) 567-9614

REVISIONS			
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SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913

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TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	KCM	JJM

SCALE 1/4"=1'-0"

SHEET TITLE
TOILET ROOM HVAC DEMOLITION AND NEW WORK PLAN

PROJECT NUMBER
14457.16

CLES
H101
DRAWING NUMBER

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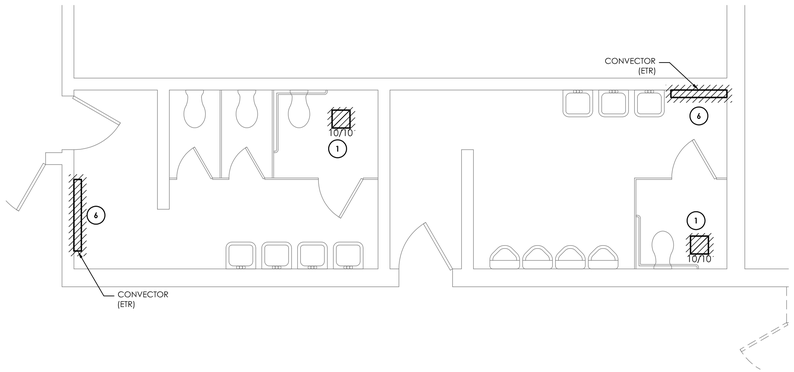
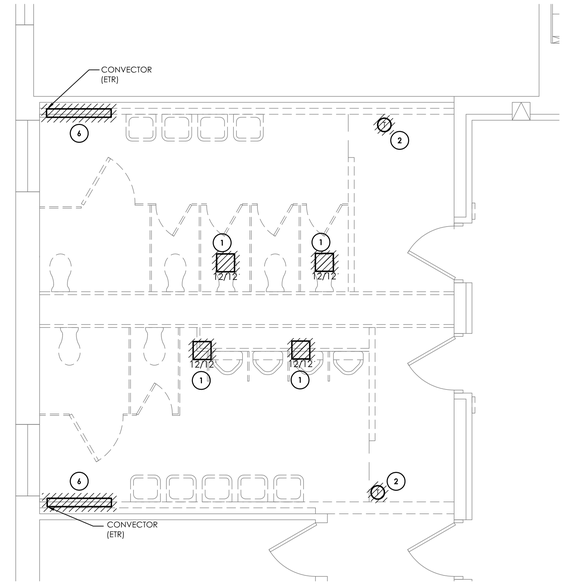
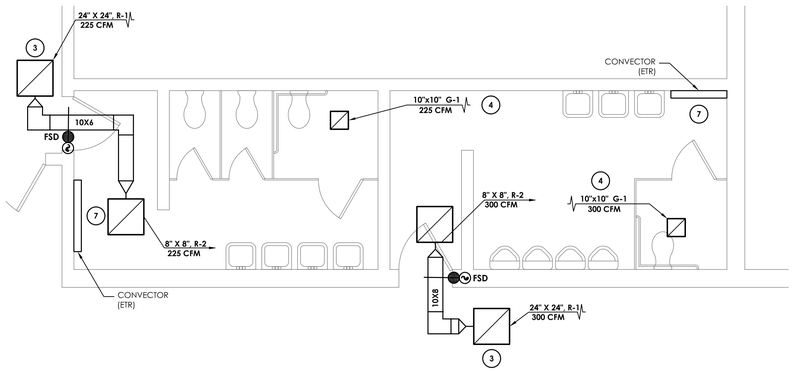
Date last accessed: 10/19/2022 3:54 PM
Date last plotted: 10/19/2022 3:54 PM
Plotted By: Kevin McCann



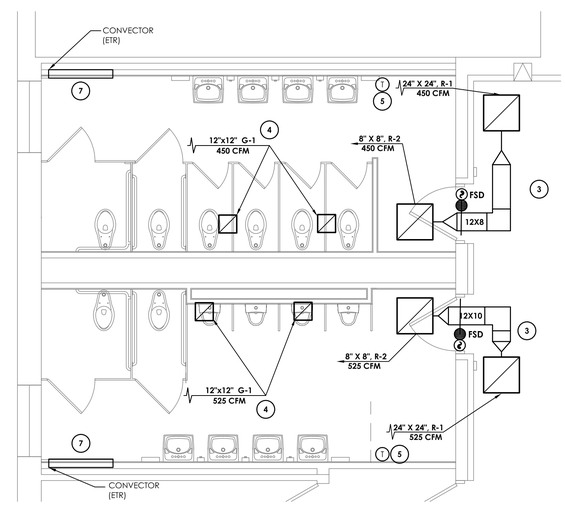
1 H101 **PARTIAL GROUND FLOOR DEMOLITION PLAN - AREA 'A' - ALTERNATE #MC-1**
SCALE: 1/4" = 1'-0"



3 H101 **PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA 'B' - ALTERNATE #MC-2**
SCALE: 1/4" = 1'-0"



2 H101 **PARTIAL GROUND FLOOR RECONSTRUCTION PLAN - AREA 'A' - ALTERNATE #MC-1**
SCALE: 1/4" = 1'-0"



4 H101 **PARTIAL FIRST FLOOR RECONSTRUCTION PLAN - AREA 'B' - ALTERNATE #MC-2**
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

A. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS WITHIN THE BUILDING PRIOR TO COMMENCEMENT OF ALL DEMOLITION AND NEW WORK.

B. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND REPLACE EXISTING CEILINGS, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS, FOR PERFORMING DEMOLITION OR NEW WORK WITHIN THE BUILDING. THE EXISTING CEILINGS SHALL BE REMOVED IN A MANNER TO AVOID DAMAGE TO THE CEILING SYSTEMS. STORAGE OF CEILING SYSTEM COMPONENTS FOR REINSTALLATION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE STORAGE OF ALL MATERIAL SHALL BE IN AREAS OR LOCATIONS APPROVED BY THE OWNER. THE OWNER WILL NOT COMPENSATE FOR ANY DAMAGED OR LOST MATERIAL WHILE IN STORAGE. AFTER COMPLETION OF ALL DEMOLITION OR NEW WORK, THE CONTRACTOR SHALL REINSTALL THE CEILING SYSTEMS TO MATCH THE ORIGINAL INSTALLATION.

C. DEMOLITION DRAWINGS SHOW MAJOR EQUIPMENT, PIPING, AND DUCTWORK REMOVALS. THE INTENT IS NOT TO IDENTIFY ALL MISCELLANEOUS PIPING, PIPING ACCESSORIES, DUCTWORK, DUCTWORK ACCESSORIES, SUPPORTS, CONTROLS, CONTROL ACCESSORIES, CONTROL WIRING, CONDUIT, AND PNEUMATIC CONTROL TUBING TO BE DISCONNECTED AND REMOVED, BUT IS THE REQUIREMENT UNDER THIS CONTRACT. NO EQUIPMENT, PIPING, OR DUCTWORK SHALL BE ABANDONED IN PLACE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

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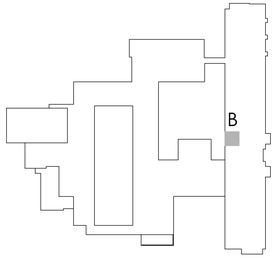
KEY NOTES:

1. REMOVE EXISTING EXHAUST GRILLE. PREPARE DUCTWORK FOR NEW.
2. REMOVE EXISTING ROOM TEMPERATURE CONTROLS. PREPARE FOR NEW.
3. PROVIDE TRANSFER AIR DUCTWORK AND GRILLES. COORDINATE CORRIDOR TRANSFER GRILLE WITH CEILING GRID.
4. RECONNECT NEW GRILLE TO EXISTING DUCTWORK. COORDINATE WITH EXISTING DUCTWORK AND CEILING TYPES.
5. PROVIDE NEW TEMPERATURE SENSOR. CONNECT TO EXISTING WIRING.
6. REMOVE EXISTING HEATER COVER AND PREPARE FOR REPLACEMENT.
7. INSTALL NEW HEATER COVER PROVIDED BY M.C.



FIRST FLOOR KEY PLAN
SCALE: N.T.S.
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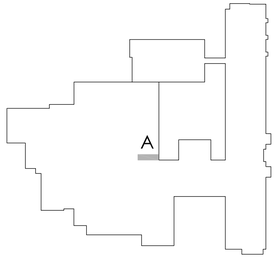

GROUND FLOOR KEY PLAN
SCALE: N.T.S.
N

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TEL (800) 274-9000
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TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	KCM	JJM

SCALE 1/4" = 1'- 0"

SHEET TITLE
TOILET ROOM HVAC DEMOLITION AND NEW WORK PLAN

PROJECT NUMBER
14457.16

SOMS
H101
DRAWING NUMBER

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF ANY ITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ARCHITECT, ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM THE ALTERED LEGEND, THE WORDS "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND THE DATE THE ALTERATION WAS MADE.

Drawing Name: S:\Projects\So_Orange CSD\2022 Summer Work\D Design\06 CAD\AutoCAD\MECH\H1\SOMS_H101.dwg
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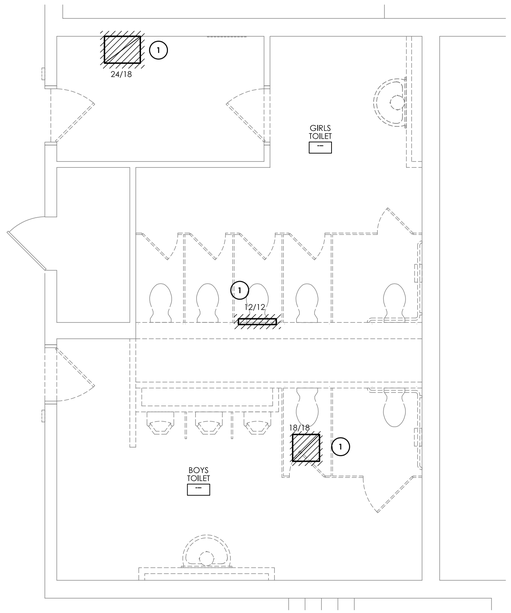
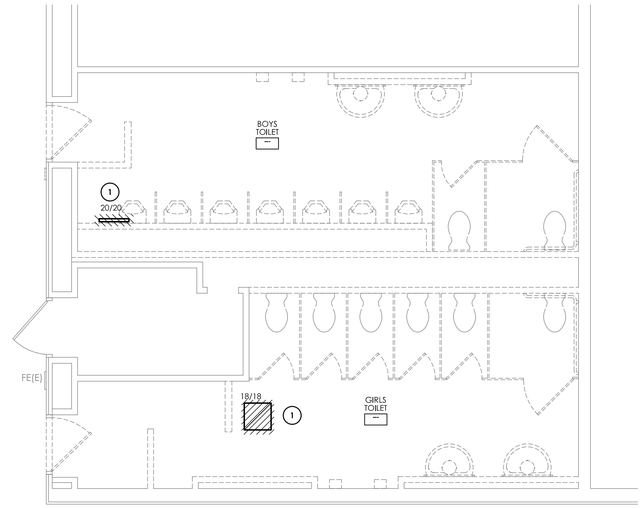
Date last plotted: 10/19/2022 2:48 PM
Plotted By: Kevin McCann



1 H101 **PARTIAL FIRST FLOOR DEMOLITION PLAN AREA 'A' - ALTERNATE #MC-3**
SCALE: 1/4" = 1'-0"



2 H101 **PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'C'**
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

A. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS WITHIN THE BUILDING PRIOR TO COMMENCEMENT OF ALL DEMOLITION AND NEW WORK.

B. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND REPLACE EXISTING CEILINGS, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS, FOR PERFORMING DEMOLITION OR NEW WORK WITHIN THE BUILDING. THE EXISTING CEILINGS SHALL BE REMOVED IN A MANNER TO AVOID DAMAGE TO THE CEILING SYSTEMS. STORAGE OF CEILING SYSTEM COMPONENTS FOR REINSTALLATION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE STORAGE OF ALL MATERIAL SHALL BE IN AREAS OR LOCATIONS APPROVED BY THE OWNER. THE OWNER WILL NOT COMPENSATE FOR ANY DAMAGED OR LOST MATERIAL WHILE IN STORAGE. AFTER COMPLETION OF ALL DEMOLITION OR NEW WORK, THE CONTRACTOR SHALL REINSTALL THE CEILING SYSTEMS TO MATCH THE ORIGINAL INSTALLATION.

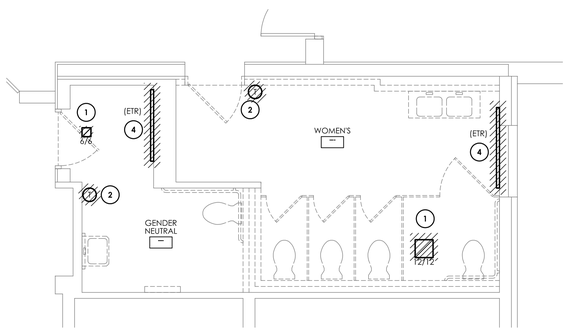
C. DEMOLITION DRAWINGS SHOW MAJOR EQUIPMENT, PIPING, AND DUCTWORK REMOVALS. THE INTENT IS NOT TO IDENTIFY ALL MISCELLANEOUS PIPING, PIPING ACCESSORIES, DUCTWORK, DUCTWORK ACCESSORIES, SUPPORTS, CONTROLS, CONTROL ACCESSORIES, CONTROL WIRING, CONDUIT, AND PNEUMATIC CONTROL TUBING TO BE DISCONNECTED AND REMOVED, BUT IS THE REQUIREMENT UNDER THIS CONTRACT. NO EQUIPMENT, PIPING, OR DUCTWORK SHALL BE ABANDONED IN PLACE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

D. ALL DUCTWORK, PIPING, AND CONDUIT PENETRATIONS THROUGH RATED WALLS OR FLOORS SHALL BE PROVIDED WITH FIRE/SMOKE STOPPINGS PER SPECIFICATION. REFER TO CODE ANALYSIS DRAWING FOR ALL RATED WALL LOCATIONS. ALL FLOORS SHALL BE CONSIDERED RATED.

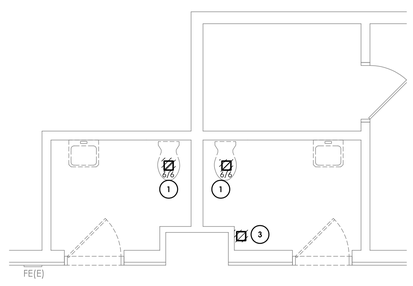
E. UNLESS SHOWN ON THE ARCHITECTURAL DRAWINGS, IT IS THE RESPONSIBILITY OF THIS CONTRACT TO PATCH AND FINISH ALL EXISTING DUCTWORK OR PIPE PENETRATIONS THROUGH FLOORS, ROOFS, INTERIOR WALLS, AND EXTERIOR WALLS AFTER DEMOLITION WORK. IN ADDITION, ALL NEW PENETRATIONS SHALL BE PROVIDED FOR INSTALLATION OF MECHANICAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, CURBING, DUCTWORK, PIPING, CONTROLS, ETC. PATCHING AND FINISHING SHALL MATCH EXISTING CONSTRUCTION INCLUDING FIRE RATINGS. PROVIDE LINTELS PER LINTEL SCHEDULE.

KEY NOTES:

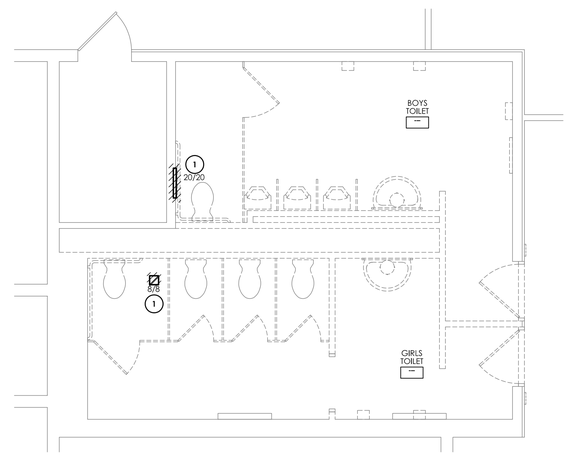
1. REMOVE EXISTING EXHAUST GRILLE. PREPARE DUCTWORK FOR NEW.
2. REMOVE EXISTING ROOM TEMPERATURE CONTROLS. PREPARE FOR NEW.
3. REMOVE FOUR (4) JOHNSON CONTROLS PNEUMATIC FAN CONTROLLERS. SAVE FOR RE-INSTALLATION. PREPARE PNEUMATIC TUBING FOR RELOCATION.
4. REMOVE EXISTING HEATER COVER AND PREPARE FOR REPLACEMENT.



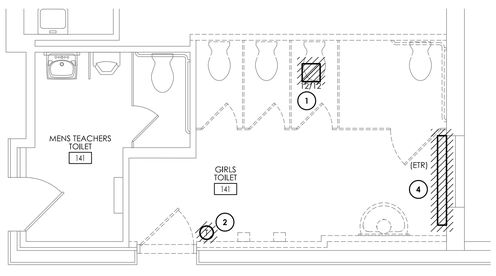
3 H101 **PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'D'**
SCALE: 1/4" = 1'-0"



5 H101 **PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'B' - ALTERNATE #MC-4**
SCALE: 1/4" = 1'-0"

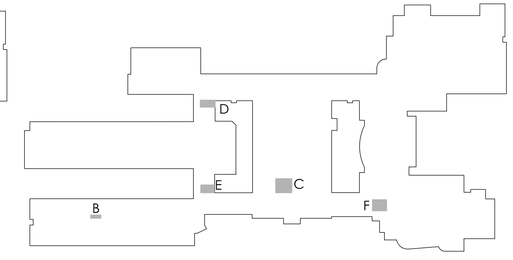


6 H101 **PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'F'**
SCALE: 1/4" = 1'-0"



4 H101 **PARTIAL SECOND FLOOR DEMOLITION PLAN AREA - 'E"**
SCALE: 1/4" = 1'-0"

FIRST FLOOR KEY PLAN
SCALE: N.T.S.
N



SECOND FLOOR KEY PLAN
SCALE: N.T.S.
N

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913
COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	KCM	JJM

SCALE 1/4" = 1'- 0"

SHEET TITLE
TAPPEN ZEE HIGH SCHOOL
FIRST AND SECOND FLOOR
DEMOLITION PLANS

PROJECT NUMBER
14457.16

TZHS
H101
DRAWING NUMBER

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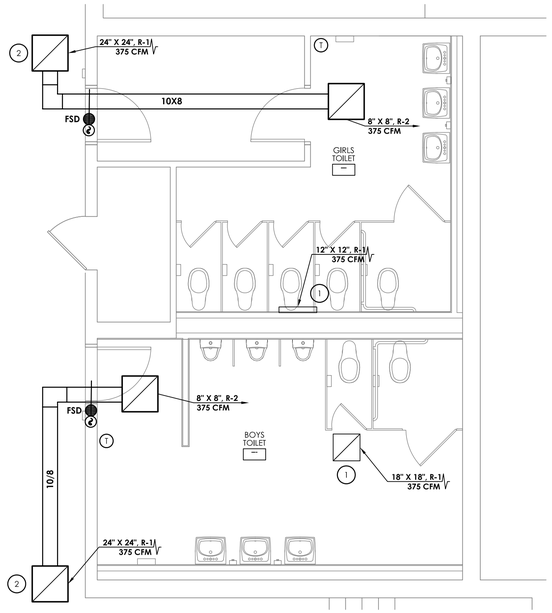
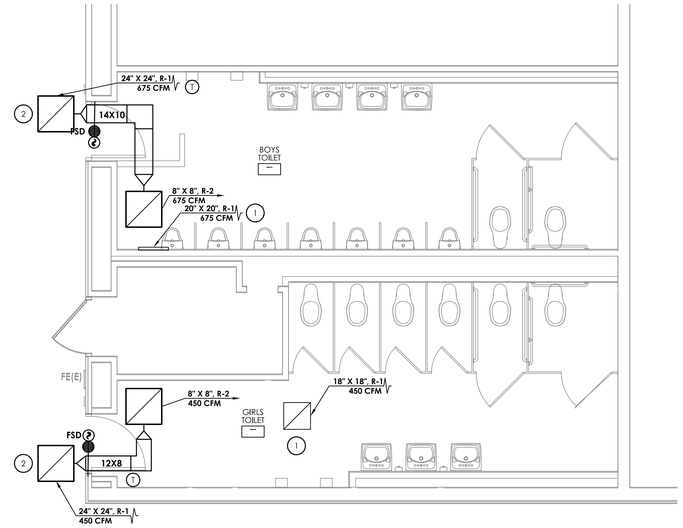
Plotted By: Kevin McCann



1 H201 **PARTIAL FIRST FLOOR RECONSTRUCTION PLAN - AREA 'A' - ALTERNATE #MC-3**
SCALE: 1/4" = 1'-0"



2 H201 **PARTIAL SECOND FLOOR RECONSTRUCTION PLAN - AREA 'C'**
SCALE: 1/4" = 1'-0"

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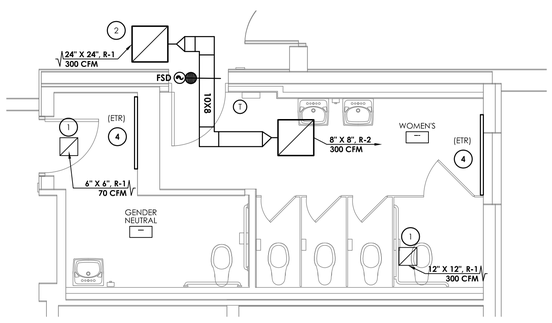
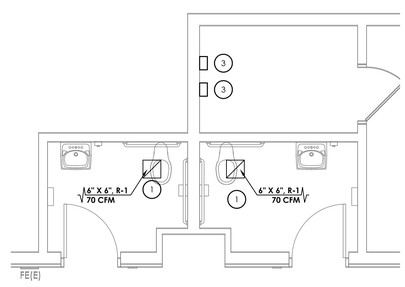
KEY NOTES:

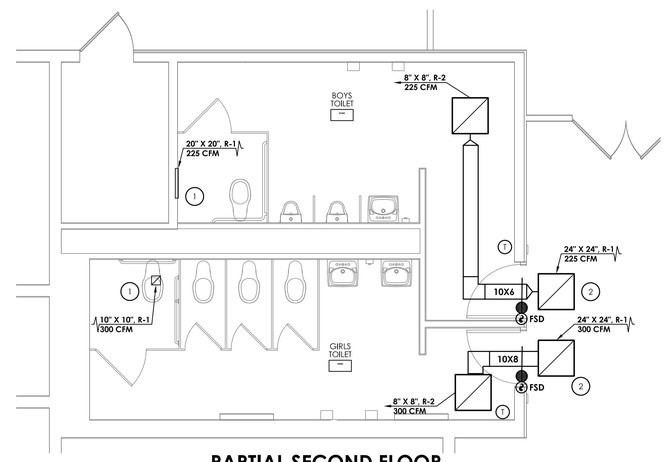
1. PROVIDE NEW EXHAUST GRILLE. CONNECT TO EXISTING DUCTWORK.
2. RETURN DUCTWORK TO BE ROUTED IN HALLWAY CEILING. COORDINATE WITH EXISTING UTILITIES AND REFRIGERANT PIPING.
3. RELOCATED JOHNSON PNEUMATICS. EXTEND BELOW UNITS FROM EXISTING.
4. INSTALL NEW HEATER COVER PROVIDED BY M.C.



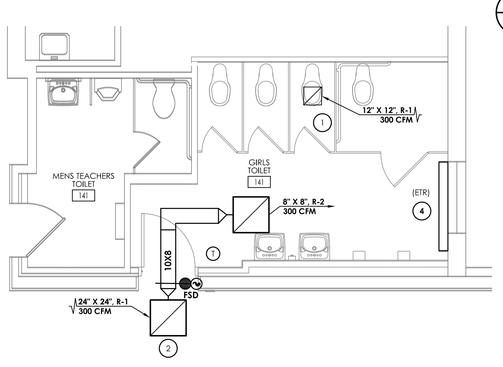
3 H201 **PARTIAL SECOND FLOOR RECONSTRUCTION PLAN - AREA 'D'**
SCALE: 1/4" = 1'-0"



4 H201 **PARTIAL SECOND FLOOR RECONSTRUCTION PLAN - AREA 'B' - ALTERNATE #MC-4**
SCALE: 1/4" = 1'-0"

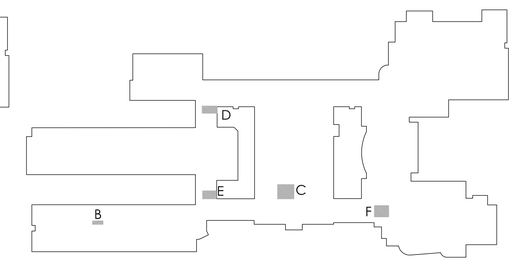


5 H201 **PARTIAL SECOND FLOOR RECONSTRUCTION PLAN - AREA 'F'**
SCALE: 1/4" = 1'-0"



6 H201 **PARTIAL SECOND FLOOR RECONSTRUCTION PLAN - AREA 'E'**
SCALE: 1/4" = 1'-0"

FIRST FLOOR KEY PLAN
SCALE: N.T.S.



SECOND FLOOR KEY PLAN
SCALE: N.T.S.

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913
COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	KCM	JJM

SCALE 1/4" = 1'- 0"

SHEET TITLE
TAPPAN ZEE HIGH SCHOOL FIRST AND SECOND FLOOR RECONSTRUCTION PLANS

PROJECT NUMBER
14457.16

TZHS
H201
DRAWING NUMBER

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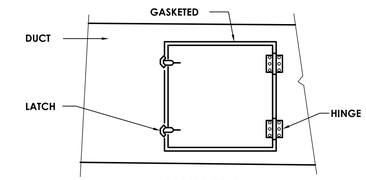
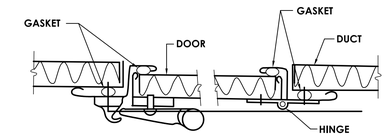
Plotted By: Kevin McCann

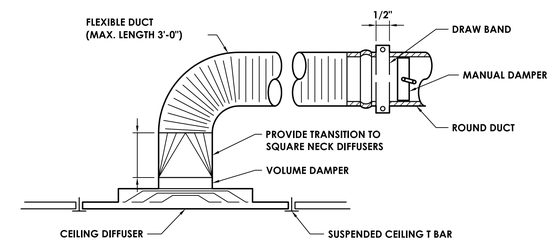


PLAN VIEW

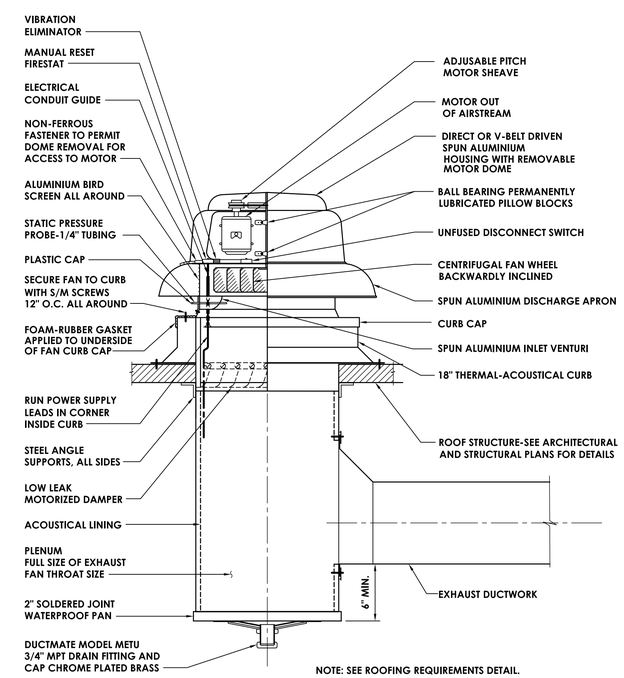


SECTION VIEW

1 / H800 **ACCESS DOOR DETAIL**
NOT TO SCALE



2 / H800 **DIFFUSER DETAIL**
NOT TO SCALE



3 / H800 **EXHAUST FAN DETAIL**
NOT TO SCALE

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

STATE OF NEW YORK · DAVID R. HART · No. 075790 · LICENSED PROFESSIONAL ENGINEER

SOUTH ORANGETOWN
CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913

COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
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TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	MD	JJM

SCALE N.T.S

SHEET TITLE
SOUTH ORANGETOWN
HVAC DETAILS

PROJECT NUMBER
14457.16

GEN
H800
DRAWING NUMBER

Plotted By: Kevin McCann
Date last plotted: 10/17/2022 2:05 PM
Date last accessed: 10/17/2022 2:04 PM
Drawing Name: \\clarkpatterson.local\dfs\Projects3\Projects\So_Orange CSD\2022 Summer Work\D Design\06 CAD\AutoCAD\MECH\H8\GEN_H800.dwg

FAN SCHEDULE

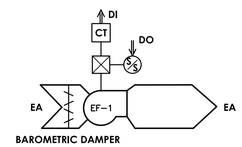
MARK	LOCATION	SERVICE	TYPE	CFM	SP IN W.G.	RPM	ELECTRICAL DATA				TYPICAL UNIT MFG & MODEL NO.	REMARKS:
							HP	VOLTS	PHASE	AMPS		
EF-1	ROOF	TOILETS	DOWNBLAST	150	0.6	1317	1/6	115	1	4.4	GREENHECK GB-097	1,2,3

REMARKS:
1. FACTORY MOUNTED AND WIRED DISCONNECT.
2. 14" CUBR, HINGED BASE AND BIRD SCREEN.
3. BAROMETRIC RELIEF DAMPER IN CURB.

REGISTERS, GRILLES, AND DIFFUSERS

MARK	APPLICATION	MATERIAL	TYPE	FINISH	DESIGN EQUIP.	REMARKS
D-1	SUPPLY	STEEL	LAY-IN	WHITE	PRICE SPD	1
R-1	RETURN/EA	STEEL	LAY-IN	WHITE	PRICE PDR	1
R-2	RETURN/EA	STEEL	LAY-IN	WHITE	PRICE 500	1

REMARKS: 1. PROVIDE WITH LINE SIZE DAMPER.



A. EXHAUST FANS:
   a. OCCUPIED MODE: OPEN DAMPER AND ENABLE FAN AFTER 15-SECOND DELAY.
   b. UNOCCUPIED MODE: DISABLE FAN AND MODULATE DAMPER TO FULL CLOSED POSITION AFTER 15-SECOND DELAY.
2. ALARMS
   a. FAN FAILS TO RUN AFTER 30 SECONDS OF BEING COMMANDED ON.
   b. FAN FAILS TO STOP AFTER 30 SECONDS OF BEING COMMANDED OFF.

1 / H900 **TOILET EXHAUST FAN CONTROLS DIAGRAM**
NOT TO SCALE

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CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913
COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
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TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	KCM	JJM

SCALE N.T.S.

SHEET TITLE
SOUTH ORANGETOWN HVAC SCHEDULES & CONTROLS

PROJECT NUMBER
14457.16

GEN
H900
DRAWING NUMBER

Plotted By: Kevin McCann
Date last plotted: 10/13/2022 2:55 PM
Date last accessed: 10/13/2022 2:55 PM
Drawing Name: \\clarkpatterson.local\cdfs\Projects3\Projects\So_Orange CSD\2022 Summer Work\D Design\06 CAD\AutoCAD\MECH\H9\GEN_H900.dwg

PLUMBING EQUIPMENT & FIXTURE SCHEDULE

MARK	FIXTURE	CW	HW	SAN	V	DESCRIPTION	MODEL NUMBER	REMARKS
WC-1	WATER CLOSET	1 1/2"	-	4"	2"	WALL MOUNTED WATER CLOSET, ELONGATED BOWL 1.6GPF, SENSOR OPERATED FLUSH VALVE, INSTALLED AT STANDARD HEIGHT, WITH NEW CARRIER.	AMERICAN STANDARD - AFWALL MILLENIUM 2257.660	1
WC-2	WATER CLOSET, ACCESSIBLE	1/2"	-	4"	2"	WALL MOUNTED WATER CLOSET, ELONGATED BOWL 1.6GPF, SENSOR OPERATED FLUSH VALVE, INSTALLED AT ACCESSIBLE HEIGHT, WITH NEW CARRIER.	AMERICAN STANDARD - AFWALL MILLENIUM 2257.660	1
LAV-1	LAVATORY, ACCESSIBLE	1/2"	1/2"	1 1/2"	1 1/2"	WALL-HUNG VITREOUS CHINA SINK, FRONT OVERFLOW, D SHAPED BOWL, SELF-DRAINING DECK AREA WITH CONTOURED BACK AND SIDE SPLASH. ACCESSIBLE HEIGHT.	AMERICAN STANDARD - LUCERNE 0355.012 TRUEBRO LAV SHEILD	1
UR-1	URINAL, ACCESSIBLE	3/4"	-	2"	1 1/2"	EXPOSED TOP SPUD URINAL, 2 WALL HANGERS, DIMENSIONS 14 7/8"X14 7/8"X22 3/4", 0.125GPF, SENSOR OPERATED FLUSH VALVE, ADA COMPLIANT	AMERICAN STANDARD - PINTBROOK 6002.001.020 SELECTRONIC FLUSH VALVE MODEL 6063.013.002	1
FD-1	FLOOR DRAIN	-	-	3"	2"	CAST IRON BODY WITH CLAMP RING, FLANGE, ADJUSTABLE STRAINER FOOR DRAIN WITH FLOOR DRAIN TRAP SEAL	JOSAM COMPANY - 30000-A RECTORSEAL - SURE SEAL	-
HB-1	HOSE BIBB	3/4"	-	-	-	KEY OPERATED, MODERARE CLIMATE CONCEALED OUTLET, FLUSH MOUNTED BOX WITH COVER INTEGRAL VACUMN BREAKER WITH HOSE CONNECTION	ZURN - Z1330	-

REMARKS

1. ALL ACCESSIBLE EQUIPMENT/FIXTURES TO BE INSTALLED PER ADA REQUIREMENTS.
   VINYLCLAD FINISH TO BE SELECTED BY ARCHITECT

GENERAL PLUMBING EQUIPMENT & FIXTURE COMMENT

PLUMBING CONTRACTOR SHALL PROVIDE ALL RISERS, CARRIERS, P-TRAPS, STOPS, STRAINERS, TAIL PIECES, DRAINS, ETC. REQUIRED TO HAVE A COMPLETE INSTALLATION.

GENERAL NOTES:

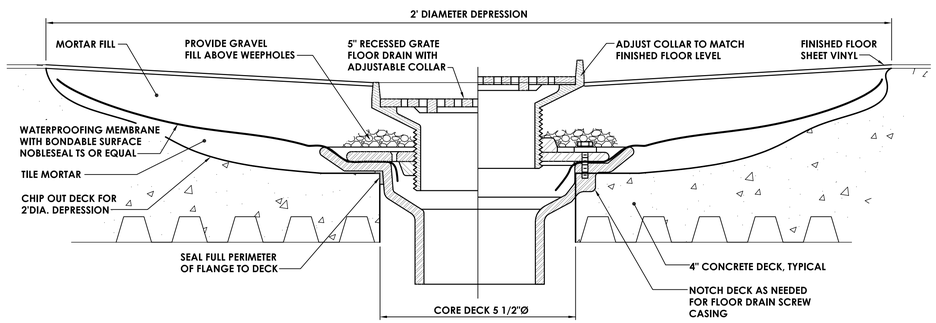
A. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS WITHIN THE BUILDING PRIOR TO COMMENCEMENT OF ALL DEMOLITION AND NEW WORK.

B. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND REPLACE EXISTING CEILINGS, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS, FOR PERFORMING DEMOLITION OR NEW WORK WITHIN THE BUILDING. THE EXISTING CEILINGS SHALL BE REMOVED IN A MANNER TO AVOID DAMAGE TO THE CEILING SYSTEMS. STORAGE OF CEILING SYSTEM COMPONENTS FOR REINSTALLATION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE STORAGE OF ALL MATERIAL SHALL BE IN AREAS OR LOCATIONS APPROVED BY THE OWNER. THE OWNER WILL NOT COMPENSATE FOR ANY DAMAGED OR LOST MATERIAL WHILE IN STORAGE. AFTER COMPLETION OF ALL DEMOLITION OR NEW WORK, THE CONTRACTOR SHALL REINSTALL THE CEILING SYSTEMS TO MATCH THE ORIGINAL INSTALLATION.

C. DEMOLITION DRAWINGS SHOW MAJOR EQUIPMENT, PIPING, AND DUCTWORK REMOVALS. THE INTENT IS NOT TO IDENTIFY ALL MISCELLANEOUS PIPING, PIPING ACCESSORIES, DUCTWORK, DUCTWORK ACCESSORIES, SUPPORTS, CONTROLS, CONTROL ACCESSORIES, CONTROL WIRING, CONDUIT, AND PNEUMATIC CONTROL TUBING TO BE DISCONNECTED AND REMOVED, BUT IS THE REQUIREMENT UNDER THIS CONTRACT. NO EQUIPMENT, PIPING, OR DUCTWORK SHALL BE ABANDONED IN PLACE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

D. ALL DUCTWORK, PIPING, AND CONDUIT PENETRATIONS THROUGH RATED WALLS OR FLOORS SHALL BE PROVIDED WITH FIRE/SMOKE STOPPINGS PER SPECIFICATION. REFER TO CODE ANALYSIS DRAWING FOR ALL RATED WALL LOCATIONS. ALL FLOORS SHALL BE CONSIDERED RATED.

E. UNLESS SHOWN ON THE ARCHITECTURAL DRAWINGS, IT IS THE RESPONSIBILITY OF THIS CONTRACT TO PATCH AND FINISH ALL EXISTING DUCTWORK OR PIPE PENETRATIONS THROUGH FLOORS, ROOFS, INTERIOR WALLS, AND EXTERIOR WALLS AFTER DEMOLITION WORK. IN ADDITION, ALL NEW PENETRATIONS SHALL BE PROVIDED FOR INSTALLATION OF MECHANICAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, CURBING, DUCTWORK, PIPING, CONTROLS, ETC. PATCHING AND FINISHING SHALL MATCH EXISTING CONSTRUCTION INCLUDING FIRE RATINGS. PROVIDE LINTELS PER LINTEL SCHEDULE.



1 / P001 **RECESSED FLOOR DRAIN INSTALLED IN EXISTING DECK**
NOT TO SCALE

PIPING LEGEND

XX	PIPING BELOW GRADE
XX	EXISTING PIPING
CW	COLD WATER
HW	HOT WATER
HWR	HOT WATER RECIRCULATING
SAN	SANITARY SEWER
ST	STORM
LPG	PROPANE GAS
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FP	FIRE PROTECTION/SPRINKLER
V	VENT
	PLUMBING TO BE REMOVED
WH-A	WATER HEATER ZONE ONE
WH-B	WATER HEATER ZONE TWO
EXP	EXPANSION
ETR	EXISTING TO REMAIN

FIXTURES & FITTINGS LEGEND

	TEE OUTLET - UP
	TEE OUTLET - DOWN
	CONNECTION - TOP
	ELBOW - TURNED UP
	ELBOW - TURNED DOWN
	PIPE CAP
	UNION
	FLANGE
	BALL VALVE
	BALANCING VALVE
	CHECK VALVE
	BUTTERFLY VALVE
	PLUG VALVE
P	PRESSURE RELIEF VALVE
TP	TEMPERATURE-PRESSURE RELIEF VALVE
	PRESSURE REDUCING VALVE
	COMBO ISOLATION, CHECK, BALANCE
G	GAS PRESSURE REGULATOR
CO	CLEAN OUT
FCO	FLOOR CLEAN OUT
WCO	WALL CLEAN OUT
HB	HOSE BIBB
NFHB	NON FREEZE HOSE BIBB
FD	FLOOR DRAIN
FS	FLOW SWITCH
PS	PRESSURE SWITCH
AQ	AQUASTAT
	PRESSURE GAUGE
	THERMOMETER
	STRAINER
	INLINE PUMP
A	WATER HAMMER ARRESTER
RPZ	REDUCED PRESSURE ZONE BACK FLOW PREVENTER
DCV	DOUBLE CHECK VALVE ASSEMBLY
	SPRINKLER HEAD
	POINT OF CONNECTION
	POINT OF REMOVAL

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SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913
COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#:50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	KCM	JJM

SCALE N.T.S.

SHEET TITLE
PLUMBING LEGENDS, ABBREVIATIONS, NOTES, DETAILS AND SCHEDULES

PROJECT NUMBER
14457.16

GEN
P001
DRAWING NUMBER

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 TO ALTER AN ITEM IN ANY WAY. COMMISSIONER'S REGULATIONS 520.1 (b) (2) STATES THAT ALL ALTERATIONS TO A PUBLIC SCHOOL BUILDING MUST BE PERFORMED UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR. TO ALTER AN ITEM IN ANY WAY IS A VIOLATION OF LAW UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR. ALTERATIONS TO THIS DOCUMENT BY OTHER PARTIES WITHOUT THE ARCHITECT, ENGINEER OR LAND SURVEYOR'S SEAL AND SIGNATURE ARE PROHIBITED AND MAY BE SUBJECT TO PENALTIES AND LEGAL PROSECUTION.

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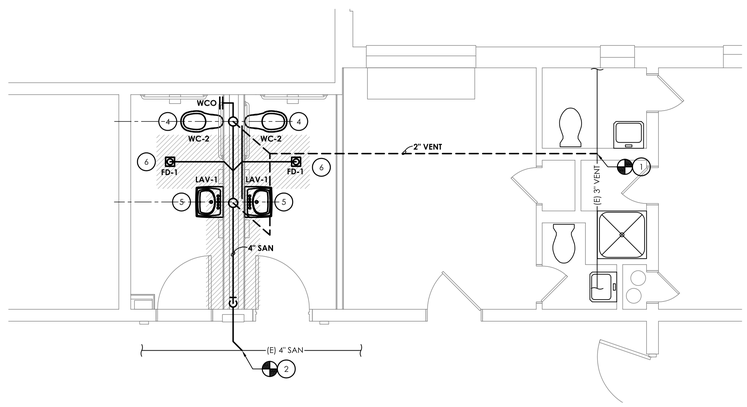
Date last accessed: 10/18/2022 10:23 AM
Date last plotted: 10/18/2022 10:23 AM
Plotted By: Kevin McCann

GENERAL NOTES:

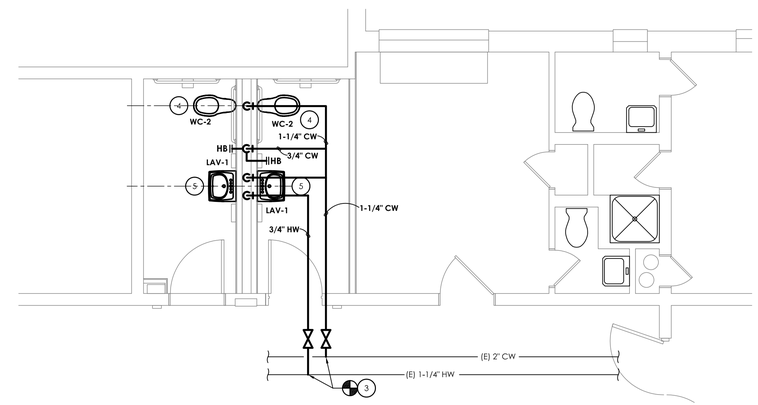
1. FIELD VERIFY EXISTING LOCATIONS OF EXISTING HW, CW, SAN, AND VENT PIPING.

KEY NOTES:

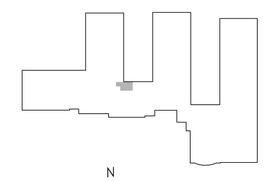
1. CONNECT NEW VENT TO EXISTING VENT ABOVE CEILING.
2. CONNECT TO EXISTING 4" SANITARY PIPING IN PIPE TUNNEL BELOW FLOOR.
3. CONNECT TO EXISTING HW/CW PIPING IN PIPE TUNNEL BELOW FLOOR.
4. PROVIDE NEW WATER CLOSET. CONNECT TO NEW CW PIPING. EXTEND EXISTING SANITARY AND VENT PIPING. SAW CUT SLAB AS NEEDED TO COMPLETE WORK.
5. PROVIDE NEW LAVATORY. CONNECT TO NEW HW/CW PIPING. EXTEND EXISTING SANITARY AND VENT PIPING. SAW CUT SLAB AS NEEDED TO COMPLETE WORK.
6. FIELD VERIFY BEST LOCATION FOR FLOOR DRAIN. LOCATE IN LOW SPOT OR LOCATION THAT FLOOR PITCHES TO. COORDINATE WITH FLOOR TILE.



1 / P201 **PARTIAL FIRST FLOOR PLAN SANITARY NEW WORK**
SCALE: 1/4" = 1'-0"



2 / P201 **PARTIAL FIRST FLOOR PLAN DOMESTIC NEW WORK**
SCALE: 1/4" = 1'-0"



N

KEY PLAN
SCALE: NTS

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SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913

COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	KCM	JJM

SCALE 1/4"=1'-0"

SHEET TITLE
CLE TOILET ROOMS-
PLUMBING DEMOLITION
& NEW WORK PLAN.

PROJECT NUMBER
14457.16

CLES
P201
DRAWING NUMBER

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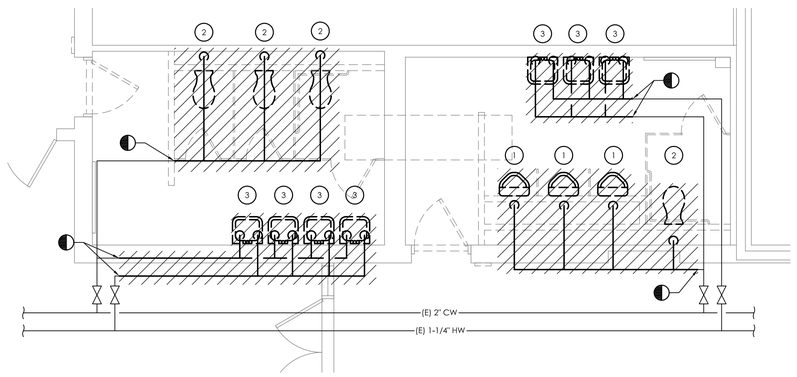
Date last accessed: 10/18/2022 1:16 PM
Date last plotted: 10/18/2022 1:16 PM
Plotted By: Kevin McCann

GENERAL NOTES:

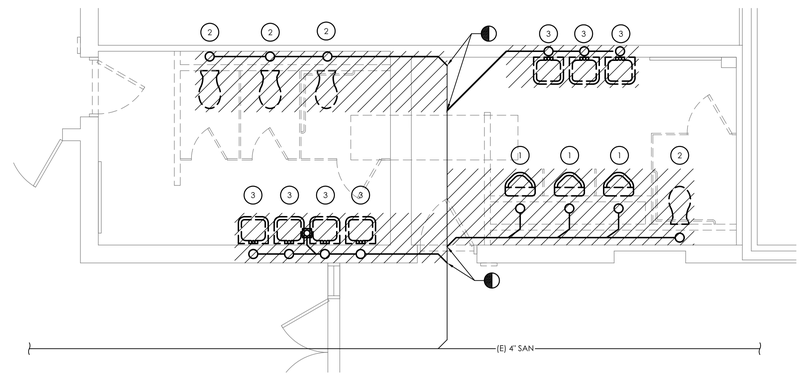
1. FIELD VERIFY EXISTING LOCATIONS OF EXISTING HW, CW, SAN, AND VENT PIPING.

KEY REMOVAL NOTES:

1. REMOVE EXISTING URINAL, HW, CW, SAN, AND VENT PIPING. REMOVE PIPING BACK TO POINTS INDICATED. REMOVE ADDITIONAL ABANDONED URINALS/PIPING IN CHASE.
2. REMOVE EXISTING WATER CLOSET, HW, CW, SAN, AND VENT PIPING. REMOVE PIPING BACK TO POINTS INDICATED. REMOVE CARRIER AND PREPARE FOR NEW JUSTIFICATION. PREPARE PIPING FOR NEW VALVES AND CONNECTION.
3. REMOVE EXISTING LAVATORY, HW, CW, SAN, AND VENT PIPING. REMOVE PIPING BACK TO POINTS INDICATED. REMOVE CARRIER AND PREPARE FOR NEW CONNECTION. PREPARE PIPING FOR NEW VALVES AND CONNECTION.



1 P101 **PARTIAL GROUND FLOOR DOMESTIC DEMOLITION PLAN - AREA 'A' - ALTERNATE #PC-1**
SCALE: 1/4" = 1'-0"



2 P101 **PARTIAL GROUND FLOOR SANITARY DEMOLITION PLAN - AREA 'A' - ALTERNATE #PC-1**
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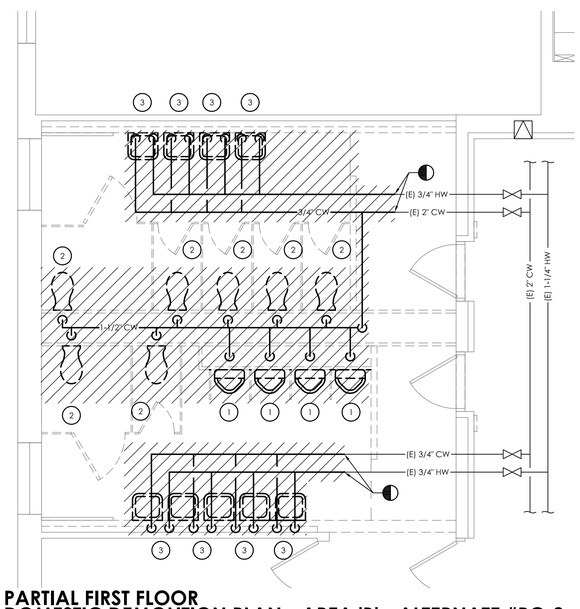

3 P101 **PARTIAL FIRST FLOOR DOMESTIC DEMOLITION PLAN - AREA 'B' - ALTERNATE #PC-2**
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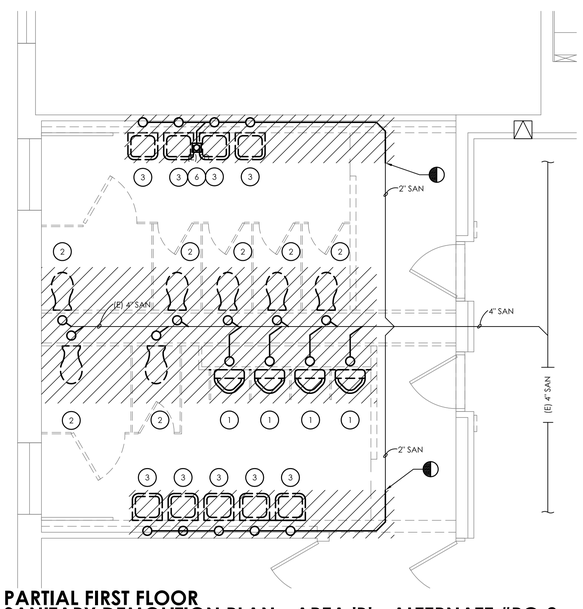
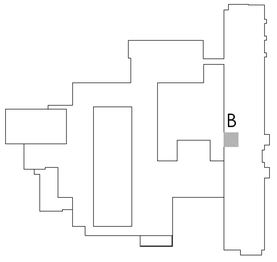
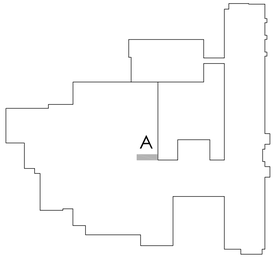


4 P101 **PARTIAL FIRST FLOOR SANITARY DEMOLITION PLAN - AREA 'B' - ALTERNATE #PC-2**
SCALE: 1/4" = 1'-0"



FIRST FLOOR KEY PLAN
SCALE: N.T.S.



GROUND FLOOR KEY PLAN
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CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913

COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
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DATE	DRAWN	CHECKED
10/20/22	KCM	JJM

SCALE 1/4"=1'-0"

SHEET TITLE
SOUTH ORANGETOWN MIDDLE SCHOOL PLUMBING DEMOLITION PLANS

PROJECT NUMBER
14457.16

SOMS
P101
DRAWING NUMBER

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Date last accessed: 10/19/2022 3:01 PM
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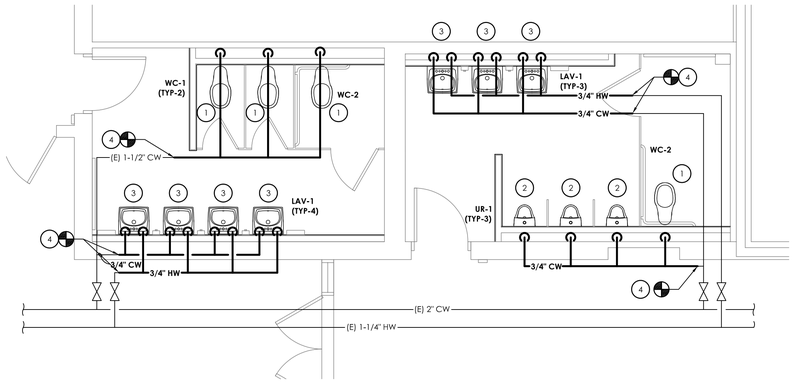
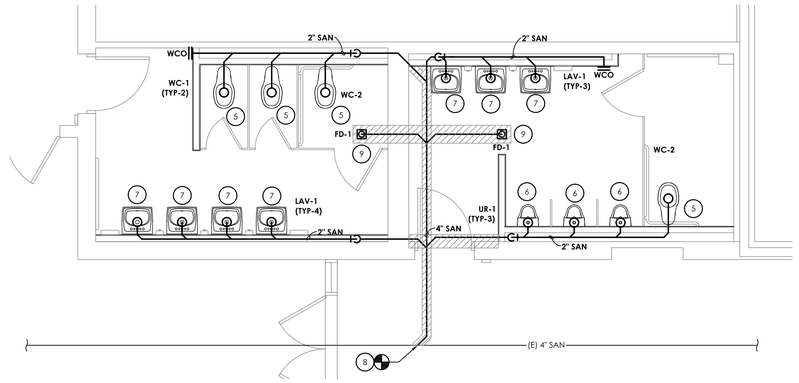
KEY NOTES:

1. PROVIDE NEW WATER CLOSET. CONNECT TO NEW CW PIPING.
2. PROVIDE NEW URINAL. CONNECT TO NEW CW PIPING.
3. PROVIDE NEW LAVATORY. CONNECT TO NEW HW/CW PIPING.
4. CONNECT TO EXISTING HW/CW PIPING IN CEILING.
5. PROVIDE NEW WATER CLOSET. EXTEND EXISTING SANITARY AND VENT PIPING. SAW CUT SLAB AS NEEDED TO COMPLETE WORK. FIELD VERIFY EXISTING VENT LOCATION AND SIZE.
6. PROVIDE NEW URINAL. EXTEND EXISTING SANITARY AND VENT PIPING. SAW CUT SLAB AS NEEDED TO COMPLETE WORK. FIELD VERIFY EXISTING VENT LOCATION AND SIZE.
7. PROVIDE NEW LAVATORY. EXTEND EXISTING SANITARY AND VENT PIPING. SAW CUT SLAB AS NEEDED TO COMPLETE WORK. FIELD VERIFY EXISTING VENT LOCATION AND SIZE.
8. FIELD VERIFY SANITARY PIPING SLOPE AND FLOW DIRECTION.
9. FIELD VERIFY BEST LOCATION FOR FLOOR DRAIN. LOCATE IN LOW SPOT OR LOCATION THAT FLOOR PITCHES TO. COORDINATE WITH FLOOR TILE.



1 P201 **PARTIAL GROUND FLOOR DOMESTIC PLUMBING PLAN - AREA 'A' - ALTERNATE #PC-1**
SCALE: 1/4" = 1'-0"



3 P201 **PARTIAL GROUND FLOOR SANITARY PLUMBING PLAN - AREA 'A' - ALTERNATE #PC-1**
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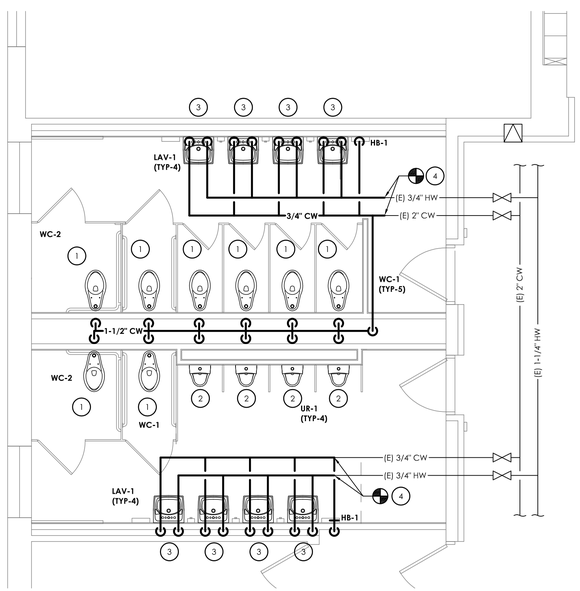
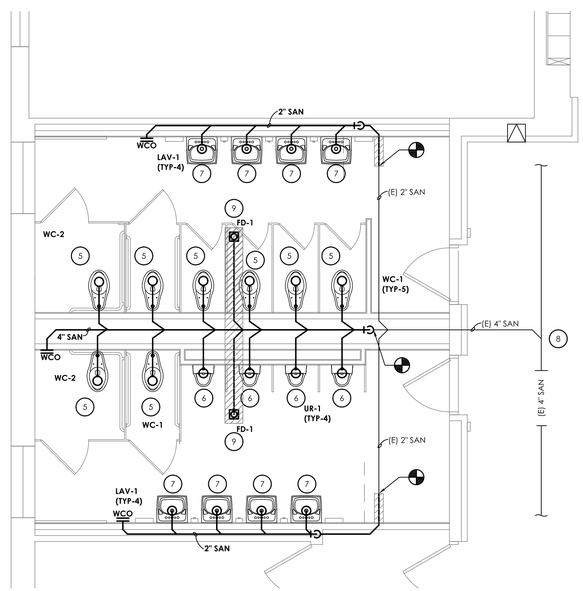
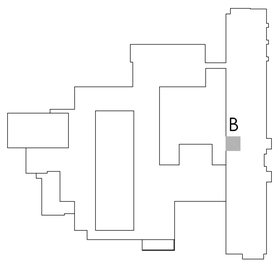


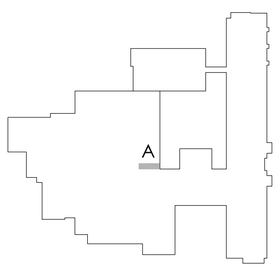
2 P201 **PARTIAL FIRST FLOOR DOMESTIC PLUMBING PLAN - AREA 'B' - ALTERNATE #PC-2**
SCALE: 1/4" = 1'-0"



4 P201 **PARTIAL FIRST FLOOR SANITARY PLUMBING PLAN - AREA 'B' - ALTERNATE #PC-2**
SCALE: 1/4" = 1'-0"



FIRST FLOOR KEY PLAN
SCALE: N.T.S.



GROUND FLOOR KEY PLAN
SCALE: N.T.S.

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SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913
COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED#:50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#:50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	KCM	JJM

SCALE 1/4"=1'-0"

SHEET TITLE
SOUTH ORANGETOWN MIDDLE SCHOOL PLUMBING SANITARY & DOMESTIC PLANS

PROJECT NUMBER
14457.16

SOMS
P201
DRAWING NUMBER

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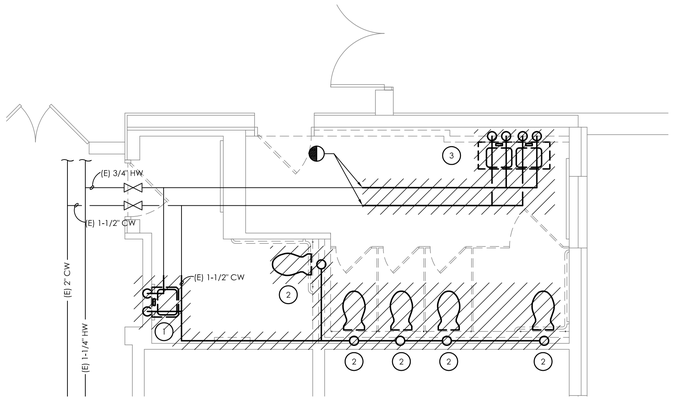
Date last accessed: 10/19/2022 3:39 PM
Date last plotted: 10/19/2022 3:40 PM
Plotted By: Kevin McCann

GENERAL NOTES:

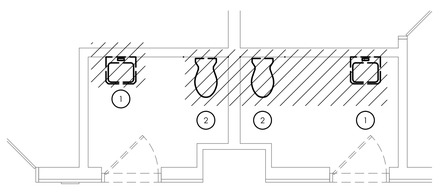
1. FIELD VERIFY EXISTING LOCATIONS OF EXISTING HW, CW, SAN, AND VENT PIPING.

KEY NOTES:

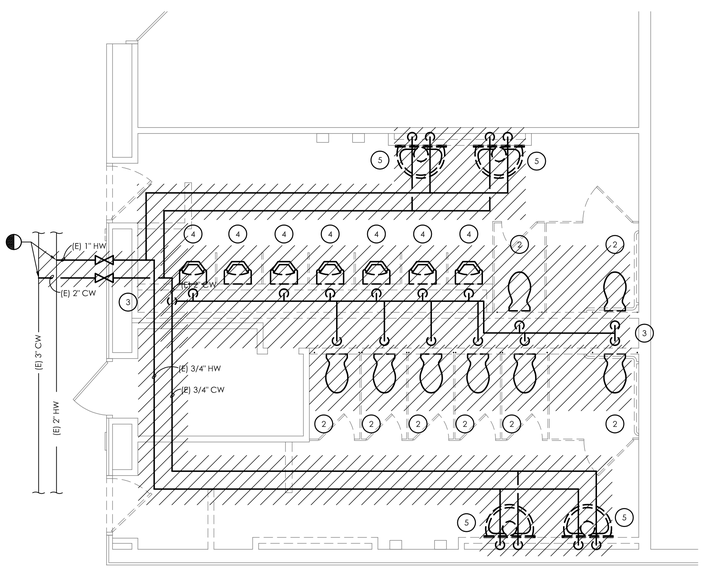
1. REMOVE EXISTING LAVATORY, HW, CW, SAN, AND VENT PIPING. REMOVE CARRIER. PREPARE PIPING FOR NEW FIXTURE LAYOUT/LOCATIONS.
2. REMOVE EXISTING WATER CLOSET , CW, SAN, AND VENT PIPING. REMOVE CARRIER. PREPARE PIPING FOR NEW FIXTURE LAYOUT/LOCATIONS.
3. PROVIDE AS BUILT DRAWINGS OF EXISTING CHASE PIPING.
4. REMOVE EXISTING URINAL, CW, SAN, AND VENT PIPING. REMOVE CARRIER. PREPARE PIPING FOR NEW FIXTURE LAYOUT/LOCATIONS.
5. REMOVE EXISTING THROUGH SINK HW, CW, SAN, AND VENT PIPING. PREPARE FOR NEW FIXTURE LAYOUT/LOCATIONS.



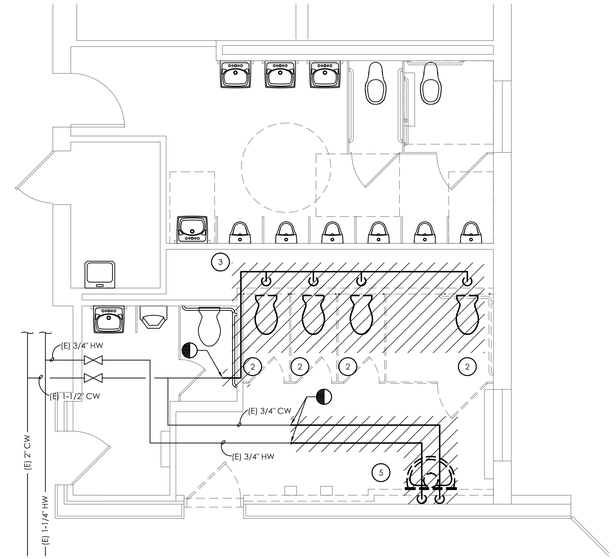
1 / P101 **PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'D'**
SCALE: 1/4" = 1'-0"



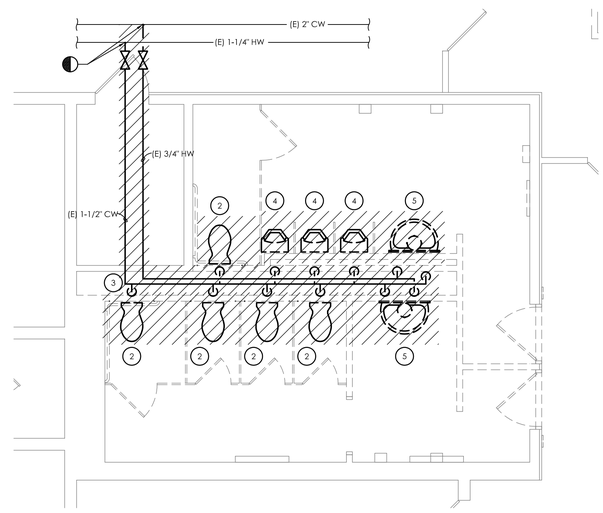
2 / P101 **PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'B' - ALTERNATE #PC-4**
SCALE: 1/4" = 1'-0"



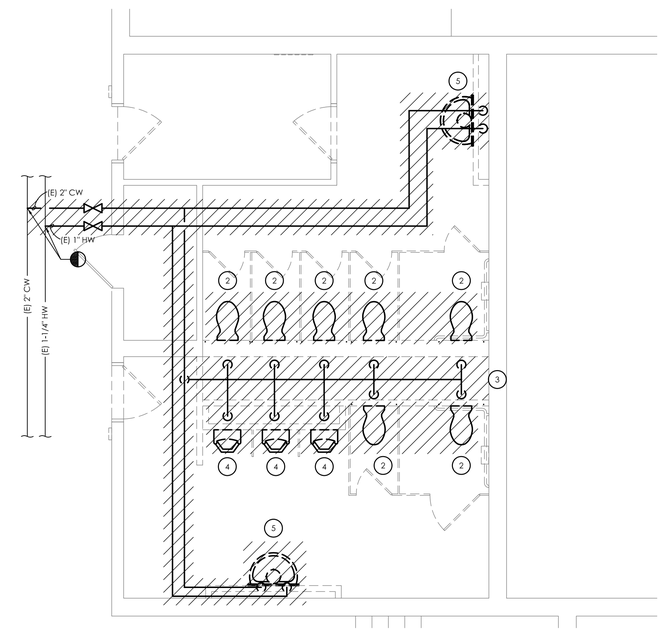
3 / P101 **PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'C'**
SCALE: 1/4" = 1'-0"



4 / P101 **PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'E'**
SCALE: 1/4" = 1'-0"

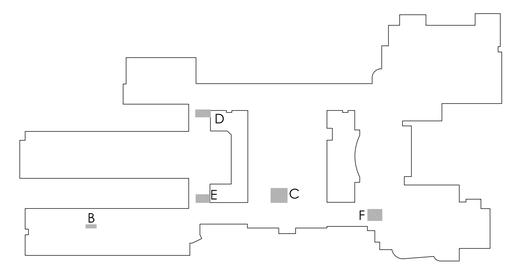


5 / P101 **PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'F'**
SCALE: 1/4" = 1'-0"



6 / P101 **PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA 'A' - ALTERNATE #PC-3**
SCALE: 1/4" = 1'-0"

N **FIRST FLOOR KEY PLAN**



N **SECOND FLOOR KEY PLAN**
SCALE: N.T.S.

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FAX (845) 567-9614

REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913
COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	KCM	JJM

SCALE 1/4"=1'-0"

SHEET TITLE
TZ HIGH SCHOOL
PLUMBING DEMOLITION
PLAN

PROJECT NUMBER
14457.16

TZHS
P101
DRAWING NUMBER

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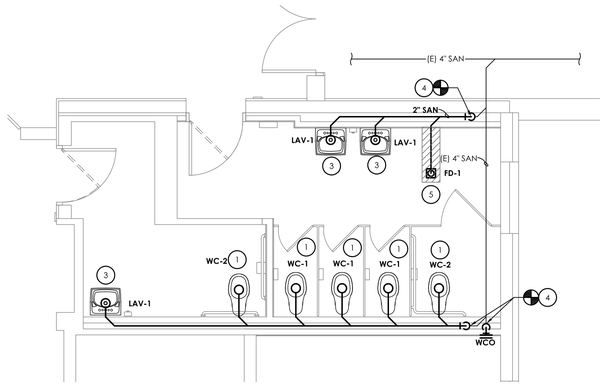
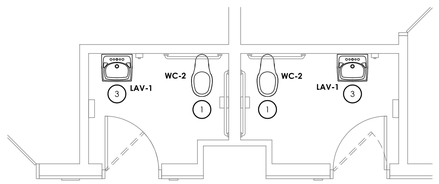
Drawing Name: S:\Projects\So_Orange CSD\2022 Summer Work\D Design\06 CAD\AutoCAD\PLUM\P1\TZHS_P101.dwg
Date last accessed: 10/19/2022 3:13 PM
Date last plotted: 10/19/2022 3:13 PM
Plotted By: Kevin McCann

KEY NOTES:

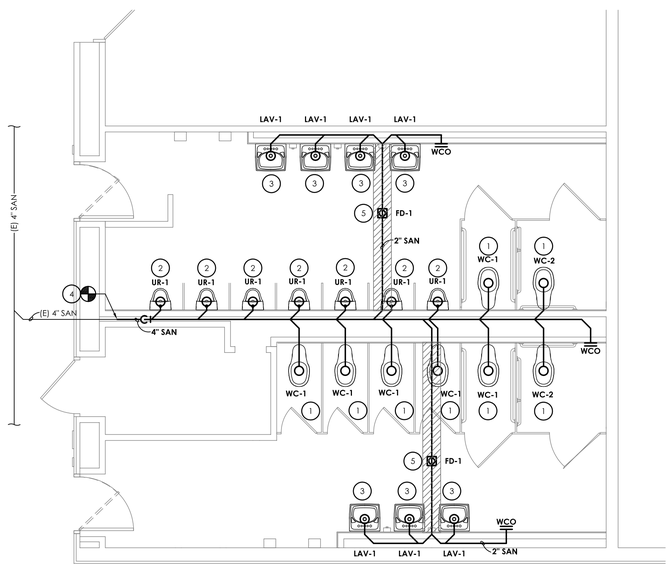
1. PROVIDE NEW WATER CLOSET. EXTEND EXISTING SANITARY AND VENT PIPING. SAW CUT SLAB AS NEEDED TO COMPLETE WORK. FIELD VERIFY EXISTING VENT LOCATION AND SIZE.
2. PROVIDE NEW URINAL. EXTEND EXISTING SANITARY AND VENT PIPING. SAW CUT SLAB AS NEEDED TO COMPLETE WORK. FIELD VERIFY EXISTING VENT LOCATION AND SIZE.
3. PROVIDE NEW LAVATORY. EXTEND EXISTING SANITARY AND VENT PIPING. SAW CUT SLAB AS NEEDED TO COMPLETE WORK. FIELD VERIFY EXISTING VENT LOCATION AND SIZE.
4. CONNECT TO EXISTING PIPING AND FIELD VERIFY SANITARY PIPING SLOPE AND FLOW DIRECTION.
5. FIELD VERIFY BEST LOCATION FOR FLOOR DRAIN. LOCATE IN LOW SPOT OR LOCATION THAT FLOOR PITCHES TO. COORDINATE WITH FLOOR TILE.



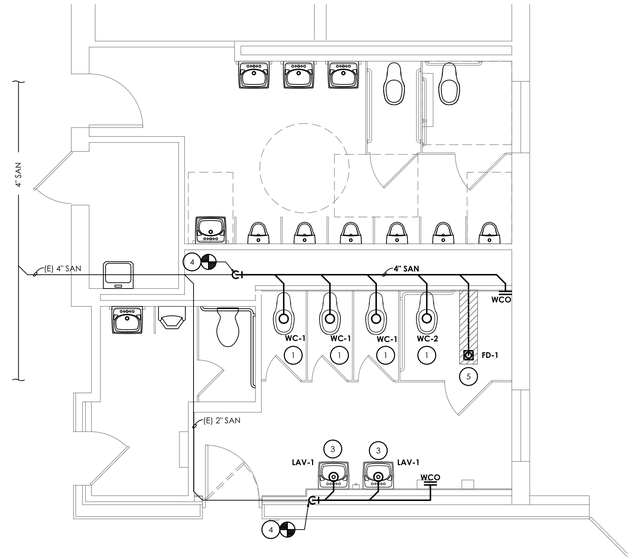
1 P201 **PARTIAL SECOND FLOOR SANITARY NEW WORK PLAN - AREA 'D'**
SCALE: 1/4" = 1'-0"



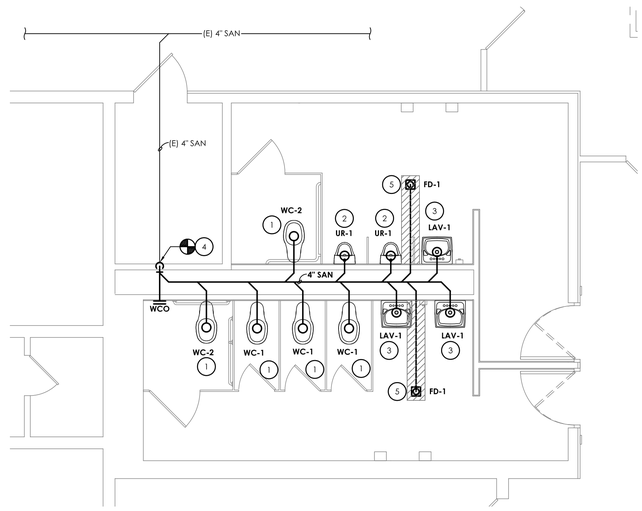
2 P201 **PARTIAL SECOND FLOOR SANITARY NEW WORK PLAN - AREA 'B' - ALTERNATE #PC-4**
SCALE: 1/4" = 1'-0"



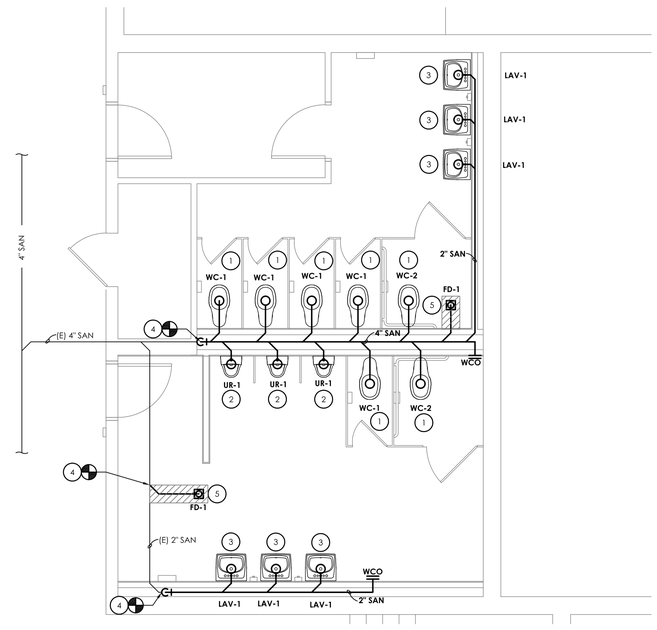
3 P201 **PARTIAL SECOND FLOOR SANITARY NEW WORK PLAN - AREA 'C'**
SCALE: 1/4" = 1'-0"



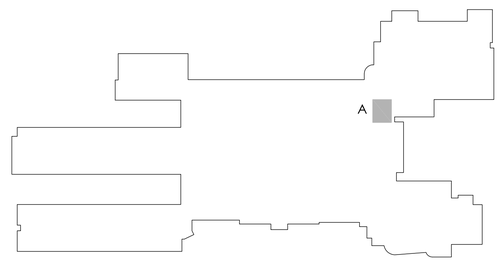
4 P201 **PARTIAL SECOND FLOOR SANITARY NEW WORK PLAN - AREA 'E'**
SCALE: 1/4" = 1'-0"



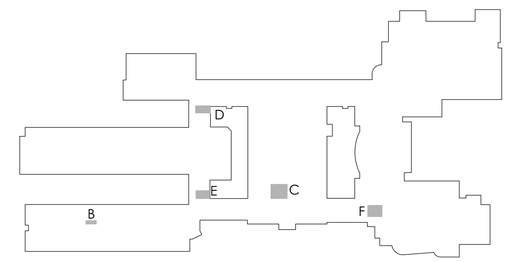
5 P201 **PARTIAL SECOND FLOOR SANITARY NEW WORK PLAN - AREA 'F'**
SCALE: 1/4" = 1'-0"



6 P201 **PARTIAL FIRST FLOOR SANITARY NEW WORK PLAN - AREA 'A' - ALTERNATE #PC-3**
SCALE: 1/4" = 1'-0"



N **FIRST FLOOR KEY PLAN**
SCALE: N.T.S.



N **SECOND FLOOR KEY PLAN**
SCALE: N.T.S.

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913

COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	KCM	JJM

SCALE 1/4"=1'-0"

SHEET TITLE
TZ HIGH SCHOOL
PLUMBING SANITARY & DOMESTIC PLANS

PROJECT NUMBER
14457.16

TZHS
P201
DRAWING NUMBER

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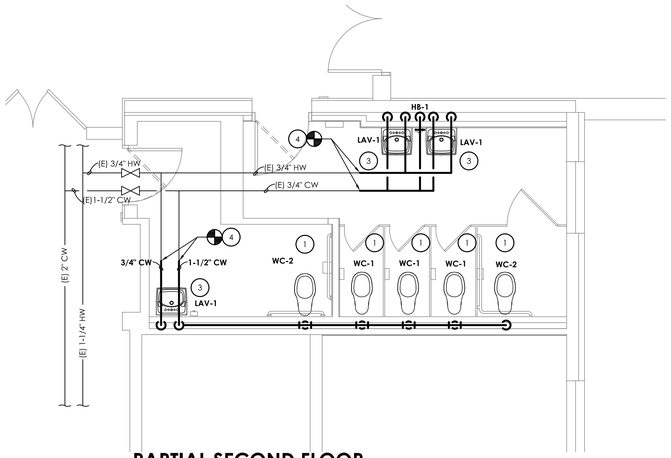
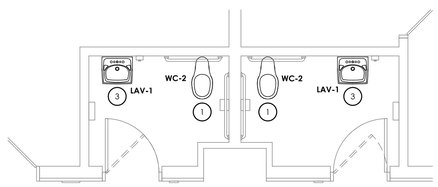
Date last accessed: 10/18/2022 1:13 PM
Date last plotted: 10/19/2022 3:33 PM
Plotted By: Kevin McCann

KEY NOTES:

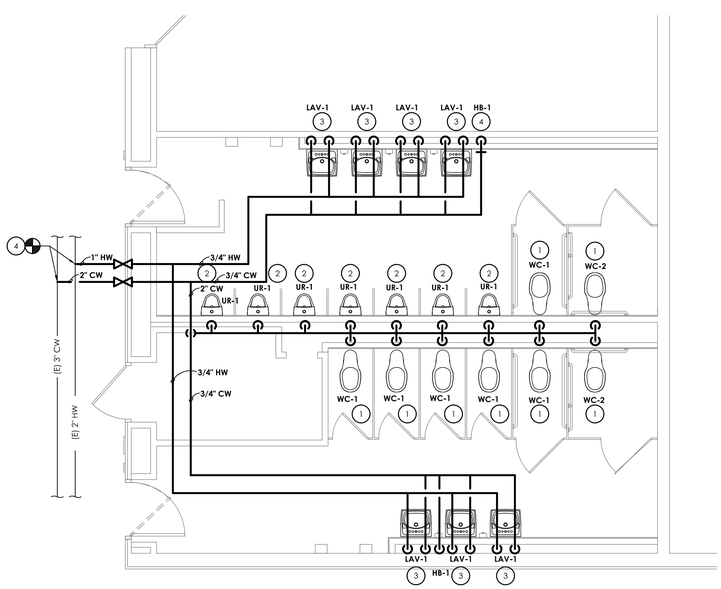
1. PROVIDE NEW WATER CLOSET. CONNECT TO NEW CW PIPING. PROVIDE NEW CARRIER.
2. PROVIDE NEW URINAL. CONNECT TO NRE CW PIPING. PROVIDE NEW CARRIER.
3. PROVIDE NEW LAVATORY. CONNECT TO NEW HW/CW PIPING. PROVIDE NEW CARRIER.
4. CONNECT TO EXISTING HW/CW PIPING IN CEILING.



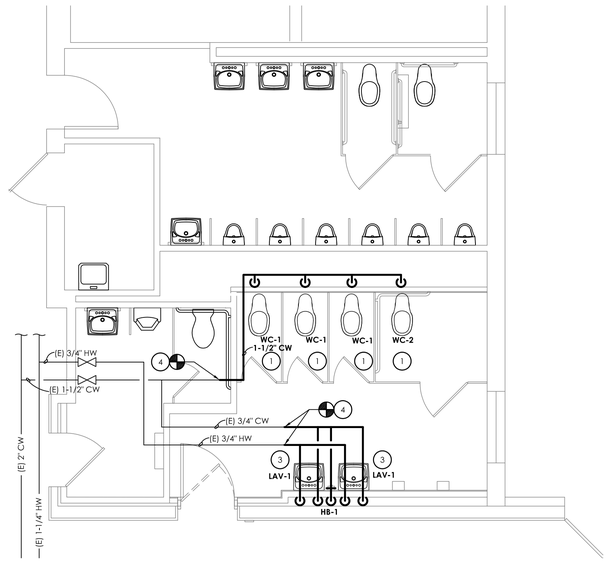
1 P301 **PARTIAL SECOND FLOOR DOMESTIC NEW WORK PLAN - AREA 'D'**
SCALE: 1/4" = 1'-0"



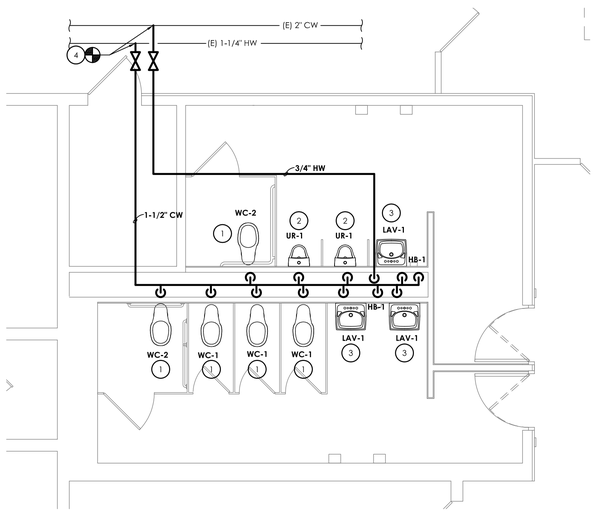
2 P301 **PARTIAL SECOND FLOOR DOMESTIC NEW WORK PLAN - AREA 'B' - ALTERNATE #PC-4**
SCALE: 1/4" = 1'-0"



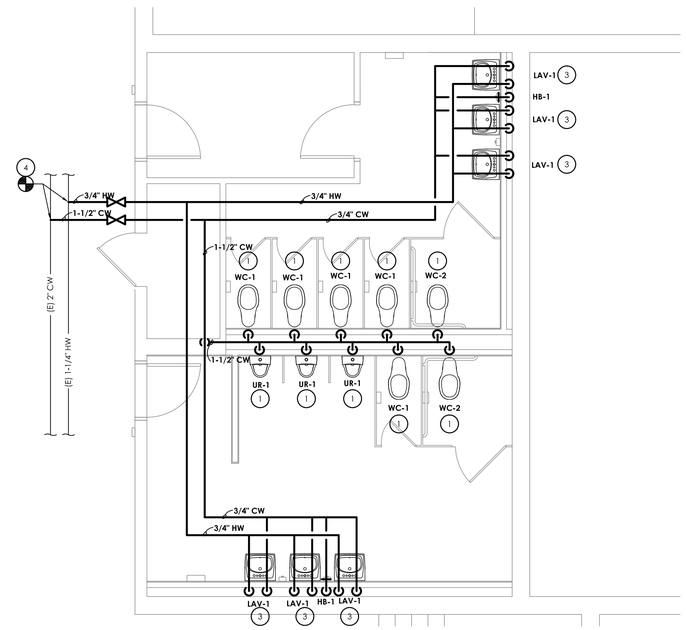
3 P301 **PARTIAL SECOND FLOOR DOMESTIC NEW WORK PLAN - AREA 'C'**
SCALE: 1/4" = 1'-0"



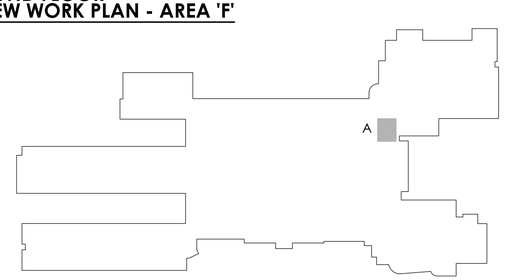
4 P301 **PARTIAL SECOND FLOOR DOMESTIC NEW WORK PLAN - AREA 'E'**
SCALE: 1/4" = 1'-0"



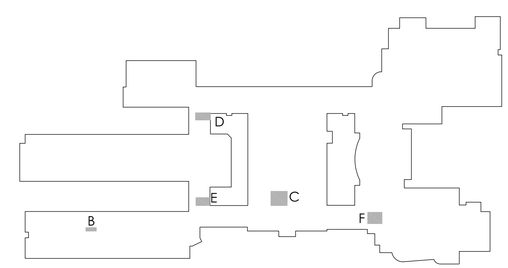
5 P301 **PARTIAL SECOND FLOOR DOMESTIC NEW WORK PLAN - AREA 'F'**
SCALE: 1/4" = 1'-0"



6 P301 **PARTIAL FIRST FLOOR DOMESTIC NEW WORK PLAN - AREA 'A' - ALTERNATE #PC-3**
SCALE: 1/4" = 1'-0"



N **FIRST FLOOR KEY PLAN**
SCALE: N.T.S.



N **SECOND FLOOR KEY PLAN**
SCALE: N.T.S.

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NEWBURGH, NEW YORK 12550
TEL (800) 274-9000
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REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913

COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	KCM	NRH

SCALE 1/4"=1'-0"

SHEET TITLE
TZ HIGH SCHOOL
PLUMBING DOMESTIC
PLAN

PROJECT NUMBER
14457.16

TZHS
P301
DRAWING NUMBER

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Date last accessed: 10/19/2022 3:49 PM
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Plotted By: Kevin McCann

WIRING LEGEND:

S. SWITCH

- (NONE) SINGLE POLE TOGGLE SWITCH
- 2 TWO POLE TOGGLE SWITCH
- 3 THREE WAY TOGGLE SWITCH
- 4 FOUR WAY TOGGLE SWITCH
- WP SINGLE POLE WEATHER PROOF SWITCH
- K SINGLE POLE KEYED SWITCH
- K2 TWO POLE KEYED SWITCH
- K3 THREE WAY KEYED SWITCH
- K4 FOUR WAY KEYED SWITCH
- P SINGLE POLE SWITCH WITH PILOT LIGHT
- TM SINGLE POLE SWITCH WITH ONE HOUR TIMER
- T THERMAL SWITCH
- TP THERMAL SWITCH WITH PILOT LIGHT
- M MOMENTARY CONTACT SWITCH

S_{II} ROMAN NUMERAL DESIGNATES NUMBER OF SWITCHES

S_{a} LOWER CASE LETTER DESIGNATES SWITCH LEG

SINGLE RECEPTACLE

PLUG MOLD

DUPLEX RECEPTACLE

QUADRAPLEX RECEPTACLE

SPECIAL RECEPTACLE

- GFI GROUND FAULT CIRCUIT INTERRUPTER
- WP WEATHER PROOF IN-USE COVER
- SS SURGE SUPPRESSION
- C COUNTER HEIGHT
- TR TAMPER RESISTANT, UL LISTED
- IG ISOLATED GROUND
- RT RAIN TITE
- E EMERGENCY
- X TYPE X (SEE RECEPTACLE SCHEDULE)

PP POWER POLE

RECESSED FLOOR MOUNTED DUPLEX RECEPTACLE

SURFACE MOUNTED FLOOR RECEPTACLE

CEILING MOUNTED DUPLEX RECEPTACLE

—C— CONDUIT

—W— EXPOSED LOW VOLTAGE WIRING

HORIZONTAL NON-METALLIC WIREWAY WITH DATA JACK OUTLETS AND ISOLATED GROUND TYPE DUPLEX RECEPTACLES

VERTICAL NON-METALLIC WIREWAY WITH DATA JACK OUTLETS AND ISOLATED GROUND TYPE DUPLEX RECEPTACLES

—WM— WIRE MOLD

J. JUNCTION BOX

- F FIRE SYSTEM
- S SECURITY SYSTEM

DISCONNECT SWITCH

WP DISCONNECT SWITCH - WEATHER PROOF (NEMA 3R)

F FUSED DISCONNECT SWITCH

M COMBINATION FUSED DISCONNECT/ MAGNETIC STARTER SWITCH

- HOA HAND/OFF/AUTO
- SS START/STOP

M MANUAL STARTER

VSD COMBINATION VARIABLE SPEED DRIVE AND DISCONNECT

VSD VARIABLE SPEED DRIVE

ST/SP PUSHBUTTON - START, STOP

ST/SP/PL PUSHBUTTON - START, STOP, WITH PILOT LIGHT

UP/DN/SP PUSHBUTTON - UP, DOWN, STOP

EF-1 MOTOR WITH DESIGNATOR

TC TIME CLOCK

WH WATER HEATER

HD HAND DRYER, HARD WIRED

T THERMOSTAT

HVP1-6 BRANCH CIRCUIT HOME RUN WITH PANEL NAME AND CIRCUIT NUMBER. QUANTITY OF ARROWHEADS DENOTES QUANTITY OF BRANCH CIRCUITS

- GFI BKR. GFI TYPE BREAKER
- A.F. BKR. ARC FAULT BREAKER

BRANCH CIRCUIT WIRING. PROVIDE QUANTITIES OF CONDUCTORS REQUIRED FOR CIRCUITING AND SWITCHING AS INDICATED

POWER LEG ONLY (NO SWITCH LEG BETWEEN ROOMS)

HARDWIRE CONNECTION

CONDUIT RISER UP

CONDUIT RISER DOWN

T TRANSFORMER

T_K TYPE "K" TRANSFORMER

MUSHROOM HEAD PUSH BUTTON (EMERGENCY STOP)

EMERGENCY BREAK GLASS STATION

GROUNDING ROD

SINGLE LINE DIAGRAM LEGEND:

EARTH GROUND

CHASSIS GROUND

45 KVA 480-208/120V K-13 — TRANSFORMER - KVA, PRIMARY AND SECONDARY VOLTAGE INDICATED. CONNECTIONS, K-RATING, AND SHIELD SPECIFIED

CURRENT TRANSFORMER

POTENTIAL TRANSFORMER

FUSE

DISCONNECT/LOADBREAK SWITCH

CIRCUIT BREAKER

CIRCUIT BREAKER DRAWOUT MOUNTED (LOW VOLTAGE)

AUTOMATIC TRANSFER SWITCH (NORMAL POSITION SHOWN)

METER

ENCLOSED CIRCUIT BREAKER

LIGHTNING ARRESTER

FUSED DISCONNECT SWITCH

PANEL 208-120V 225A — PANELBOARD- RATINGS AS SPECIFIED IN SINGLE LINE DIAGRAM AND ON PANELBOARD SCHEDULE

COMMUNICATIONS LEGEND:

TELEPHONE (1) CAT3 - TELEPHONE JACK & CABLE

- (NONE) STANDARD MODULAR JACK FOR TELEPHONE
- W WALL MOUNTED TELEPHONE MODULAR JACK
- P PUBLIC TELEPHONE MODULAR JACK
- C COUNTER HEIGHT MODULAR JACK

TELEPHONE FLOOR OUTLET (1) CAT3 - TELEPHONE JACK & CABLE

DATA OUTLET WITH FLUSH BOX AND FACEPLATE (1) CAT5e - DATA JACK & CABLE

COMPUTER FLOOR OUTLET (1) CAT5e - DATA JACK & CABLE

COMBINATION TELEPHONE CABLE AND DATA OUTLETS IN DOUBLE GANG FLUSH MOUNTED BOX WITH FACEPLATE

WT WIRELESS TRANSMITTER (PROVIDED BY OWNER) CONTRACTOR TO PROVIDE (2) CAT5e DATA JACKS & CABLING

T/D BACK BOX FOR OWNER PROVIDED TEL/COM WIRING & DEVICES

DATA RACK

TV COAX CABLE (TYPE F CONNECTOR)

P CEILING MOUNT LCD PROJECTOR

SPEAKER (PUBLIC ADDRESS)

- (NONE) CEILING MOUNTED
- W WALL MOUNTED

SPEAKER (LOCAL SOUND SYSTEM)

SPEAKER HORN

M MICROPHONE JACK

SJ SPEAKER JACK

V VOLUME CONTROL

CLOCK

DOUBLE FACE CLOCK

C S COMBINATION CLOCK AND SPEAKER

IC INTERCOM STATION

PA AMP PA AMPLIFIER AND PAGING MICROPHONE

CJ CONSOLE JACK

HL HOUSE LIGHT CONTROL STATION

WB WALL BOX AS SPECIFIED

FB FLOOR BOX

NOTE:

SYMBOLS SHOWN ON THIS ELECTRICAL SYMBOLS LIST ARE FOR REFERENCE PURPOSES ONLY. ALL OF THESE SYMBOLS MAY NOT BE USED FOR THIS PROJECT.

FIRE/LIFE SAFETY LEGEND:

F FIRE ALARM PULL STATION

FB FIRE ALARM BELL

H FIRE ALARM HORN

H FIRE ALARM HORN AND STROBE COMBINATION

WP FIRE ALARM HORN AND STROBE COMBINATION, WEATHER PROOF

S FIRE ALARM SPEAKER

S C FIRE ALARM SPEAKER - CEILING MOUNTED

S FIRE ALARM SPEAKER AND STROBE COMBINATION

FIRE ALARM STROBE

FIRE ALARM STROBE - CEILING MOUNTED

SMOKE DETECTOR

WG SMOKE DETECTOR WITH GUARD

CO CARBON MONOXIDE DETECTOR

CH4 NATURAL GAS SENSOR

HEAT DETECTOR

COMBINATION SMOKE/HEAT DETECTOR

F HEAT DETECTOR - 190° FIXED TEMPERATURE

EXP HEAT DETECTOR - EXPLOSION PROOF

BT BEAM SMOKE DETECTOR TRANSMITTER

BR BEAM SMOKE DETECTOR RECEIVER

D. DUCT DETECTOR

- SA INDICATES INSTALLATION IN SUPPLY AIR
- RA INDICATES INSTALLATION IN RETURN AIR

RTS REMOTE TEST STATION FOR DUCT DETECTOR

R FIRE ALARM SHUT DOWN RELAY

DH FIRE DOOR HOLD OPEN

VS TAMPER SWITCH

FS FLOW SWITCH

FSS FIRE SUPRESSION ANSUL SYSTEM CONNECTION

FR. SMOKE DAMPER RELAY CONNECTION

- SD/FD SMOKE DAMPER AND FIRE DAMPER
- SD SMOKE DAMPER

AM CONTROL MODULE, ADDRESSABLE

AREA OF RESCUE CALL STATION

ACM AREA OF RESCUE MASTER TELEPHONE STATION

SECURITY LEGEND:

KP SECURITY KEY PAD

VIDEO CAMERA

VM CCTV VIDEO MONITOR

PIR PASSIVE INFRARED MOTION DETECTOR

PR PROXIMITY CARD READER

C CALL SWITCH

DC DOOR CONTACT

WC WINDOW CONTACT

ES ELECTRIC STRIKE DOOR RELEASE

ML MAGNETIC DOOR RELEASE

NURSE CALL LEGEND:

CB NURSE CALL BUTTON

P NURSE CALL PATIENT BED STATION

B CODE CALL BUTTON

SA NURSE CALL STAFF ASSIST STATION

S NURSE CALL STAFF STATION

SD NURSE CALL DUTY/STAFF STATION

D NURSE CALL DUTY STATION

N NURSE CALL LIGHT

C NURSE CALL CODE LIGHT

Z NURSE CALL ZONE LIGHT

M NURSE CALL MASTER STATION

E NURSE CALL EMERGENCY PULL STATION

IR NURSE CALL INFRARED SENSOR

LIGHT FIXTURE LEGEND:

XX LIGHTING FIXTURE (SEE LIGHTING FIXTURE SCHEDULE FOR LETTER DESIGNATION AND DESCRIPTION OF FIXTURES)

EMERGENCY AND/OR NIGHT LIGHT LIGHTING FIXTURE

EXIT LIGHTING FIXTURE UNIVERSAL MOUNT, SINGLE/DOUBLE FACE (WHERE USED, ARROW INDICATES CHEVRON DIRECTION)

BATTERY POWERED EMERGENCY LIGHT

EMERGENCY LIGHT REMOTE HEAD

TRACK LIGHTING

POLE MOUNTED LIGHTING (QUANTITY AND ORIENTATION OF HEADS AS SHOWN)

OS OCCUPANCY SENSOR - CEILING MOUNTED

OSW OCCUPANCY SENSOR - WALL MOUNTED

LC LIGHTING CONTACTOR

PC PHOTOCELL

AL AMBIENT LIGHT SENSOR

S. SWITCH

- LV LOW VOLTAGE 1-4 BUTTON STATION (CONNECT TO LIGHTING CONTROL STATION)
- OS OCCUPANCY SENSOR SWITCH
- D DIMMER (INCANDESCENT)
- D3 THREE WAY DIMMER (INCANDESCENT)
- DF DIMMER (FLUORESCENT)

PANEL LEGEND:

EXISTING ELECTRICAL PANEL

XXX NEW ELECTRICAL PANEL

- MDP MAIN DISTRIBUTION PANEL
- LVP LOW VOLTAGE PANEL
- HVP HIGH VOLTAGE PANEL
- LP LIGHTING CONTROL PANEL
- IG ISOLATED GROUND PANEL
- MSB MAIN SWITCH BOARD
- MCC MOTOR CONTROL CENTER
- TVSS TRANSIENT VOLTAGE SURGE SUPPRESSION

ATS AUTOMATIC TRANSFER SWITCH

XXX ELECTRICAL SYSTEMS PANEL

- SACP SECURITY ALARM CONTROL PANEL
- FACP FIRE ALARM CONTROL PANEL
- PA PUBLIC ADDRESS CONTROL PANEL
- FAAP FIRE ALARM ANNUNCIATOR PANEL

ELECTRICAL PANELBOARD LABELING PLACARD

LINE 1 - PANELBOARD NAME: PP1 (EXAMPLE)
LINE 2 - VOLTAGE AND PHASE:480/277V-3PH-4W (EXAMPLE)
LINE 3 - WHERE PANELBOARD IS FED FROM: FF MSB BREAKER #14 (EXAMPLE)

GENERAL ELECTRICAL NOTES:

1) HATCHED AREAS DESIGNATE EXISTING EQUIPMENT TO BE REMOVED, UNLESS OTHERWISE NOTED.

2) ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATES ADOPTED VERSION OF THE NATIONAL ELECTRIC CODE (NFPA 70).

3) CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND COORDINATE WITH EXISTING EQUIPMENT PRIOR TO BIDDING.

BUILDING:

4) INSTALLATION HEIGHT TO CENTER OF EQUIPMENT ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED TO BE:
   RECEPTACLE = 18"
   SWITCH = 44"
   MODULAR JACK FOR WALL MOUNTED TELEPHONE = 52"
   MODULAR TELEPHONE JACK = 18"
   AUDIO/VISUAL FIRE ALARM INDICATORS = 88"
   FIRE ALARM PULL STATIONS = 48"
   TELEVISION OUTLET = 7'-0"
   COMPUTER OUTLET = 18"
   CALL SWITCH = 44"
   REMOTE TEST STATION FOR DUCT DETECTOR = 52"
   C = ABOVE COUNTER BACKSPLASH, COORDINATE WITH ARCHITECTURAL ELEVATIONS AND MILLWORK.

5) INSTALL DATA JACKS FOR CEILING MOUNTED WIRELESS TRANSMITTERS ABOVE CEILING IN ALL AREAS WHERE THERE IS AN ACCESSIBLE CEILING. PROVIDE FLUSH MOUNTED JACKS IN ALL HARD CEILINGS.

6) ALL CONDUIT AND WIRING TO BE CONCEALED IN WALLS, FLOOR, OR ABOVE CEILINGS UNLESS OTHERWISE NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. ALL DEVICE OUTLET BOXES SHALL BE RECESSED UNLESS OTHERWISE NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. WHERE APPROVED OR NOTED, SURFACE METAL RACEWAY AND DEVICE BOXES SHALL BE USED IN-LIEU OF CONDUIT AND CONCEALED BOXES AT NO EXTRA COST TO THE OWNER.

7) ALL CONDUIT ROUTES SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY FINAL ROUTE.

8) CONDUIT RUNS SHOWN ARE SCHEMATICAL AND DO NOT INDICATE THE NECESSARY FITTINGS AND JUNCTION BOXES THAT ARE INCLUDED IN THE SCOPE OF THE WORK.

GROUNDING:

9) ALL METAL RACEWAYS, INCLUDING CONDUIT, WIRE TROUGHS, WIREMOLD, ETC., SHALL BE GROUNDED. ALL CONNECTIONS IN METAL RACEWAYS SHALL BE COMPLETED IN SUCH A MANNER AS TO MAINTAIN A CONTINUOUS PATH TO GROUND THROUGHOUT THE ENTIRE LENGTH OF THE RACEWAY.

WIRING:

10) UNLESS NOTED OTHERWISE ON THE DRAWINGS OR ON THE EQUIPMENT WIRING SCHEDULE, EACH BRANCH CIRCUIT SHALL BE THREE (3) #12 AWG THHN/THWN (1 HOT, 1 NEUTRAL & 1 EQUIPMENT GROUND) IN 3/4" EMT CONDUIT. PROTECT EACH CIRCUIT WITH A 20 AMPERE, 1-POLE OVERCURRENT DEVICE UNLESS OTHERWISE NOTED. PROVIDE #10 AWG FOR 120V BRANCH CIRCUITS LONGER THAN 100 FEET. COMBINED NEUTRALS ARE NOT PERMITTED.

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50 FRONT STREET, SUITE 202
NEWBURGH, NEW YORK 12550
TEL (800) 274-9000
FAX (845) 567-9614

REVISIONS				
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SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913

COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	MAY	JBT

SCALE AS NOTED

SHEET TITLE
ELECTRICAL SYMBOLS AND ABBREVIATIONS

PROJECT NUMBER
14457.16

GEN
E000
DRAWING NUMBER

INDIVIDUALS THAT ALTER OR DAMAGE THIS DOCUMENT WITHOUT THE SEAL AND SIGNATURE OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY, IS VIOLATING THE LAW OF THE STATE OF NEW YORK. IF AN ALTERATION IS MADE, THE ALTERING ARCHITECT, ENGINEER OR LAND SURVEYOR MUST STAMP THE DOCUMENT AND ADD THE WORDS "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE SPECIFIC DESCRIPTION OF THE ALTERATION.

T.O.A. VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 SECTION 7209 AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY, IS VIOLATING THE LAW OF THE STATE OF NEW YORK. IF AN ALTERATION IS MADE, THE ALTERING ARCHITECT, ENGINEER OR LAND SURVEYOR MUST STAMP THE DOCUMENT AND ADD THE WORDS "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE SPECIFIC DESCRIPTION OF THE ALTERATION.

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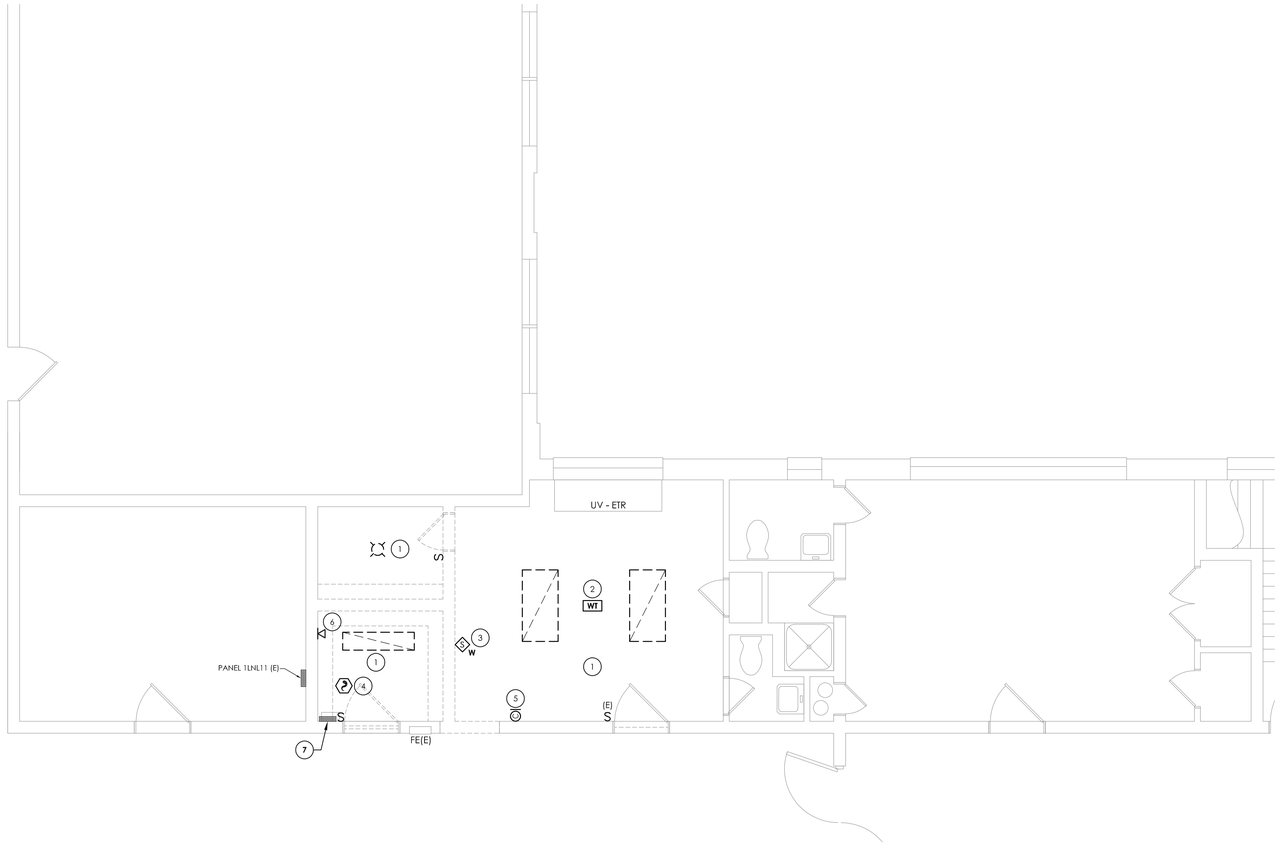


1 / E101 **PARTIAL FIRST FLOOR DEMOLITION PLAN**
SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES:

A. ALL ITEMS SHOWN ARE TO BE REMOVED UNLESS LABELED AS (E) EXISTING TO REMAIN. ANY DEVICE, AS WELL AS ITS ASSOCIATED CIRCUITING, AND CONDUIT, LABELED "(E)" SHALL REMAIN, UNLESS OTHERWISE NOTED.

B. INFORMATION ON DRAWINGS WAS OBTAINED THROUGH FIELD OBSERVATION AND AS-BUILT DOCUMENTATION. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ANY DEVICES AND CABLING THAT MAY NOT BE SHOWN ON DRAWING AT NO ADDITIONAL COST TO OWNER.

C. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE AT NO ADDITIONAL COST.

D. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION. REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.

E. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED. THE CONTRACTOR SHALL ASSUME WITHIN THE BASE BID A NOMINAL AMOUNT OF BRANCH CIRCUITS, FIXTURES, DEVICES, AND SYSTEMS WIRING WITHIN WALLS OR OPENINGS TO BE REMOVED OR RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.

F. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.

G. ALL ITEMS (DEVICES, FIXTURES, ETC.) SHOWN ARE TO BE REMOVED UNLESS LABELED AS EXISTING TO REMAIN - (E). THESE ITEMS AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE CONTROL PANEL/PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.

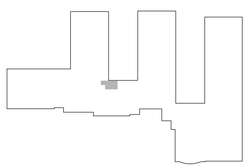
H. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS AND/OR EQUIPMENT BEING REMOVED AS PART OF THE PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.

I. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL UNUSED FLUSH MOUNT DEVICE BOXES UPON COMPLETION OF PROJECT.

J. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

KEY NOTES:

1. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES. PULL ALL WIRING BACK AND TAG FOR RE-USE. SWITCHING TO BE REMOVED UNLESS NOTED OTHERWISE.
2. DISCONNECT EXISTING WIRELESS TRANSMITTER AND STORE FOR RELOCATION. PULL WIRING BACK AND TAG FOR RE-USE.
3. DISCONNECT EXISTING WALL MOUNTED SPEAKER AND STORE FOR RELOCATION. PULL WIRING BACK AND TAG FOR RE-USE.
4. DISCONNECT EXISTING SMOKE DETECTOR AND STORE FOR RELOCATION. PULL WIRING BACK AND TAG FOR RE-USE.
5. DISCONNECT EXISTING CLOCK AND STORE FOR RELOCATION. PULL WIRING BACK AND TAG FOR RE-USE.
6. DISCONNECT AND REMOVE EXISTING DATA JACK, SURFACE RACEWAY, AND WIRING IN ITS ENTIRETY. REMOVE WIRING BACK TO SOURCE.
7. EXISTING PANEL FEEDER JUNCTION BOX TO REMAIN. PROTECT DURING DEMOLITION.



N KEY PLAN
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50 FRONT STREET, SUITE 202
NEWBURGH, NEW YORK 12550
TEL (800) 274-9000
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REVISIONS

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SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913

COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
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DATE	DRAWN	CHECKED
10/20/22	MAY	JBT

SCALE AS NOTED

SHEET TITLE
COTTAGE LANE
FIRST FLOOR
DEMOLITION PLAN

PROJECT NUMBER
14457.16

CLES
E101
DRAWING NUMBER

INDICATE THE ACCEPTANCE OF THESE DOCUMENTS BY ENGINEERS AND ARCHITECTS. ADDITIONS OR ALTERATIONS TO THESE DOCUMENTS WITHOUT THE WRITTEN CONSENT OF THE ENGINEER OR ARCHITECT IS A VIOLATION OF THE LAW FOR ALL PERSONS UNDER THE PROVISIONS OF ARTICLE 145 OF THE NEW YORK STATE EDUCATION LAW. ANY REPRODUCTIONS MADE BY THE CONTRACTOR OR ANY OTHER PERSON OR ENTITY OTHER THAN THE ARCHITECT OR ENGINEER OF RECORD FOR ANY PURPOSE OTHER THAN THE PERFORMANCE OF WORK UNDER THIS CONTRACT IS A VIOLATION OF THE LAW. ALTERATIONS TO ANY WORK OF ARCHITECTURE OR ENGINEERING, THE DESIGN OF WHICH IS EXEMPTED FROM THE PROVISIONS OF ARTICLE 145 OF THE NEW YORK STATE EDUCATION LAW, MAY BE MADE BY ANYONE EXCEPT THE ARCHITECT OR ENGINEER OF RECORD, BUT ALL PERSONS MAKING ALTERATIONS MUST ASSUME FULL RESPONSIBILITY FOR THE EFFECT OF ALTERATIONS ON THE SAFETY OR CHARACTER OF THE BUILDING.

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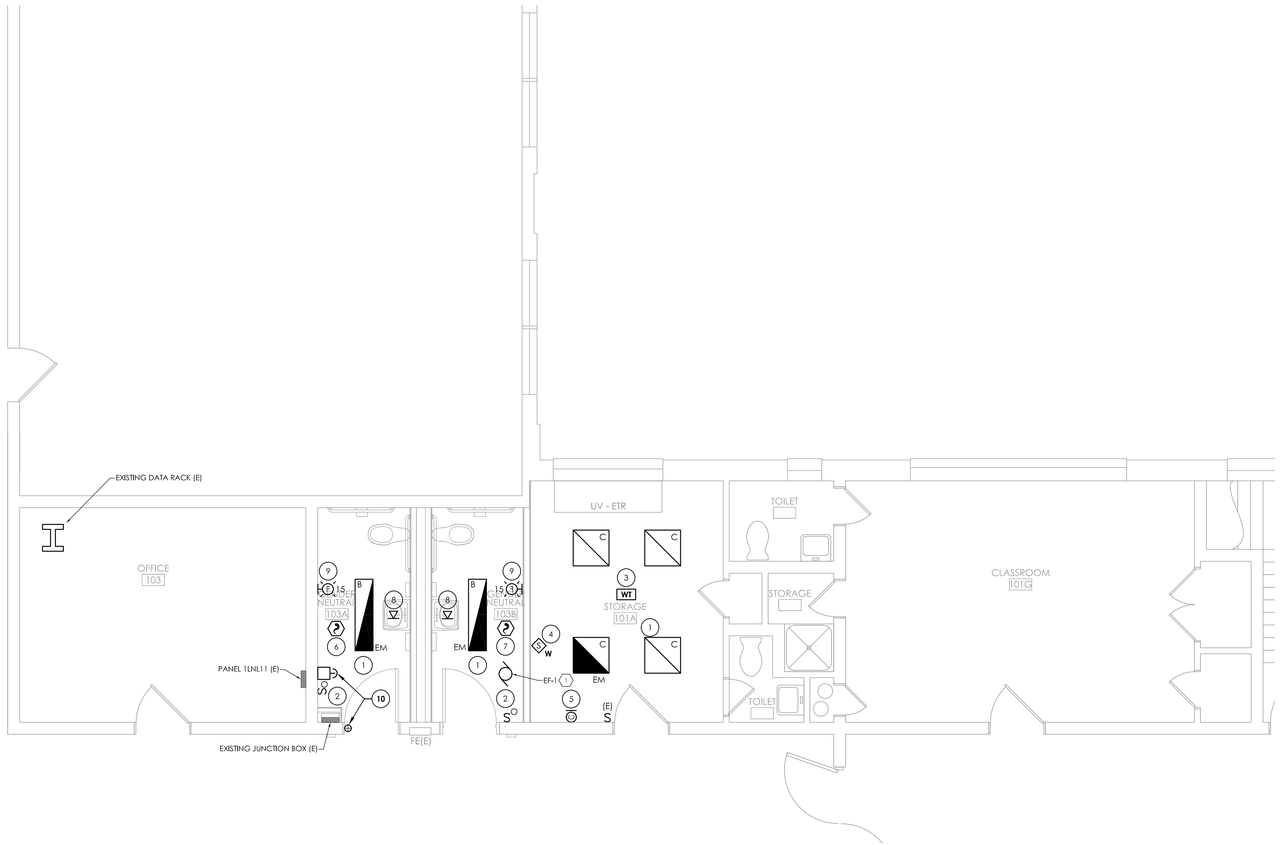


1 E201 **PARTIAL FIRST FLOOR NEW WORK PLAN**
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

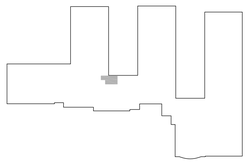
A. FIXTURE MARK INDICATED ADJACENT TO NEW LIGTHT FIXTURE. REFER TO LUMINAIRE SCHEDULE ON SHEET GEN-E900 FOR FIXTURE DESCRIPTION, NOTESAND SPECIFICATIONS.

B. ALL NEW CIRCUIT BREAKERS TO BE OF SAME MANUFACTURER AND MINIMUM INTERRUPTING RATING OF PANEL . ALL NEW BREAKERS TO BE UL LISTED AND LABELED FOR USE IN PANEL.

C. AT EACH (V) SYMBOL, REFER TO DRAWING GEN-E900 FOR FURTHER INFORMATION.

KEY NOTES:

1. CONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUITRY TAGGED FOR RE-USE. REWORK/EXTEND CIRCUITRY AS NECESSARY TO ACCOMMODATE NEW LOCATIONS.
2. PROVIDE NEW OCCUPANCY SENSOR SWITCHING AS NOTED. PROVIDE ALL LOW VOLTAGE WIRING FROM NEW SWITCHING TO NEW LIGHT FIXTURES.
3. RECONNECT EXISTING RELOCATED WIRELESS TRANSMITTER TO EXISTING TAGGED WIRING. ATTACH WIRELESS TRANSMITTER TO CEILING GRID.
4. RECONNECT EXISTING RELOCATED WALL MOUNTED SPEAKER TO EXISTING TAGGED WIRING. UTILIZE EXISTING MOUNTING HARDWARE. SPEAKER SHALL BE MOUNTED AT CEILING LEVEL TO TOP OF BOX.
5. RECONNECT EXISTING RELOCATED CLOCK TO EXISTING TAGGED WIRING. UTILIZE EXISTING MOUNTING HARDWARE. CLOCK SHALL BE MOUNTED AT CEILING LEVEL TO TOP OF CLOCK.
6. RECONNECT EXISTING RELOCATED SMOKE DETECTOR TO EXISTING TAGGED WIRING. SMOKE DETECTOR TO BE MOUNTED TO GYP CEILING.
7. PROVIDE NEW ADDRESSABLE SMOKE DETECTOR AT LOCATION SHOWN. DETECTOR TO MATCH EXISTING MANUFACTURER. WIRE SMOKE DETECTOR TO EXISTING FIRE ALARM LOOP.
8. AT EACH LOCATION, PROVIDE (1) CATEGORY 6 UTP PLENUM CABLE FROM DATA CLOSET INDICATED TO EACH DEVICE. PROVIDE RJ-45 CONNECTOR ON EACH ON AND 10' OF COILED CABLING AT EACH END. PROVIDE ALL TERMINATION AND TESTING. DATA CABLING FOR USE WITH DISTRICT PROVIDED VAPE SENSORS. COORDINATE WITH DISTRICT FOR EXACT PLACEMENT OF DEVICES AND CABLING.
9. PROVIDE NEW FIRE ALARM STROBES AT LOCATIONS SHOWN. PROVIDE ALL WIRING AND TESTING FOR A COMPLETE FUNCTIONING SYSTEM.
10. NEW ADA DOOR OPERATOR EQUIPMENT AND PUSH BUTTONS. PROVIDE 120-VOLT POWER IN CEILING TO ACCOMMODATE POWER TO ADA DOOR OPERATOR EQUIPMENT. PROVIDE (2) #12, (1) 12 GND IN 3/4"C FROM SPARE 20-AMP, 1-POLE CIRCUIT BREAKER IN PANEL 1LNL11 TO ADA DOOR EQUIPMENT. INSTALL ADA DOOR PUSH BUTTONS AND ALL ASSOCIATED POWER AND CONTROL WIRING BETWEEN DOORS AND PUSH BUTTONS. REFER TO SPECIFICATION SECTION 087100 FOR FURTHER INFORMATION.



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SCALE: N.T.S.

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50 FRONT STREET, SUITE 202
NEWBURGH, NEW YORK 12550
TEL (800) 274-9000
FAX (845) 567-9614

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DATE	DRAWN	CHECKED
10/20/22	MAY	JBT

SCALE AS NOTED

SHEET TITLE
COTTAGE LANE
FIRST FLOOR
NEW WORK PLAN

PROJECT NUMBER
14457.16

CLES
E201
DRAWING NUMBER

INDIVIDUALS THE AUTHORIZATION TO ALTER ANY ITEM ON ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY, IT MUST BEAR THE SEAL OF AN ARCHITECT, ENGINEER OR LAND SURVEYOR AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATION.

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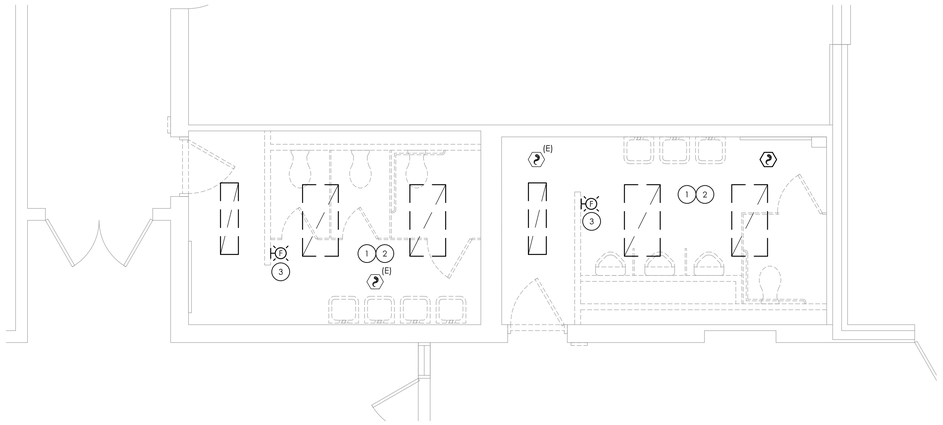
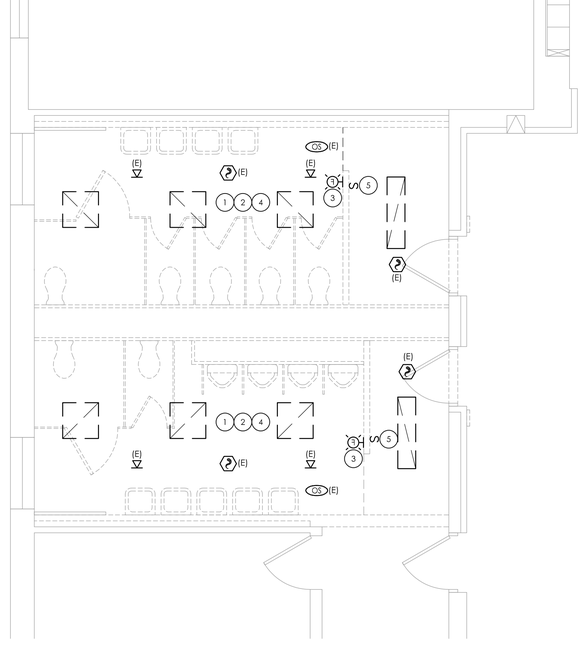


1 / E101 **PARTIAL GROUND FLOOR DEMOLITION PLAN - AREA 'A'**
SCALE: 1/4" = 1'-0"



2 / E101 **PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA 'B'**
SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES:

A. ALL ITEMS SHOWN ARE TO BE REMOVED UNLESS LABELED AS (E) EXISTING TO REMAIN. ANY DEVICE, AS WELL AS ITS ASSOCIATED CIRCUITING, AND CONDUIT, LABELED "(E)" SHALL REMAIN, UNLESS OTHERWISE NOTED.

B. INFORMATION ON DRAWINGS WAS OBTAINED THROUGH FIELD OBSERVATION AND AS-BUILT DOCUMENTATION. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ANY DEVICES AND CABLING THAT MAY NOT BE SHOWN ON DRAWING AT NO ADDITIONAL COST TO OWNER.

C. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE AT NO ADDITIONAL COST.

D. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION. REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.

E. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED. THE CONTRACTOR SHALL ASSUME WITHIN THE BASE BID A NOMINAL AMOUNT OF BRANCH CIRCUITS, FIXTURES, DEVICES, AND SYSTEMS WIRING WITHIN WALLS OR OPENINGS TO BE REMOVED OR RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.

F. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.

G. ALL ITEMS (DEVICES, FIXTURES, ETC.) SHOWN ARE TO BE REMOVED UNLESS LABELED AS EXISTING TO REMAIN - (E). THESE ITEMS AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE CONTROL PANEL/PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.

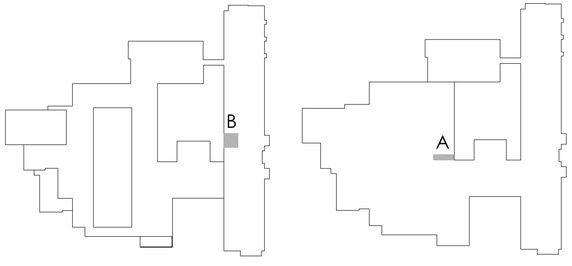
H. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS AND/OR EQUIPMENT BEING REMOVED AS PART OF THE PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.

I. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL UNUSED FLUSH MOUNT DEVICE BOXES UPON COMPLETION OF PROJECT.

J. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

KEY NOTES:

1. DISCONNECT AND REMOVE EXISTING LIGHTING. PULL WIRING BACK AND TAG FOR RE-USE.
2. DISCONNECT ALL EXISTING CEILING DEVICES, IE., SMOKE DETECTORS, OCCUPANCY SENSORS, AND VAPE SENSORS, AND STORE FOR RELOCATION. PULL WIRING BACK AND TAG FOR RE-USE.
3. DISCONNECT EXISTING FIRE ALARM DEVICES AND STORE FOR RELOCATION. PULL WIRING BACK AND TAG FOR RE-USE.
4. ALL EXISTING DEVICES WITHIN THESE SPACES ARE EXISTING TO REMAIN. ANY DEVICES ON DEMOLISHED FINISHES SHALL BE DISCONNECTED TO ACCOMMODATE WORK AND THEN RECONNECTED ONCE NEW FINISHES ARE INSTALLED.
5. DISCONNECT EXISTING LIGHT SWITCH AND STORE FOR RE-USE. PULL CONDUIT AND WIRING BACK AND TAG FOR RE-USE.



FIRST FLOOR KEY PLAN
SCALE: N.T.S.

GROUND FLOOR KEY PLAN
SCALE: N.T.S.

N

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913

COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED #50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	MAY	JBT

SCALE AS NOTED

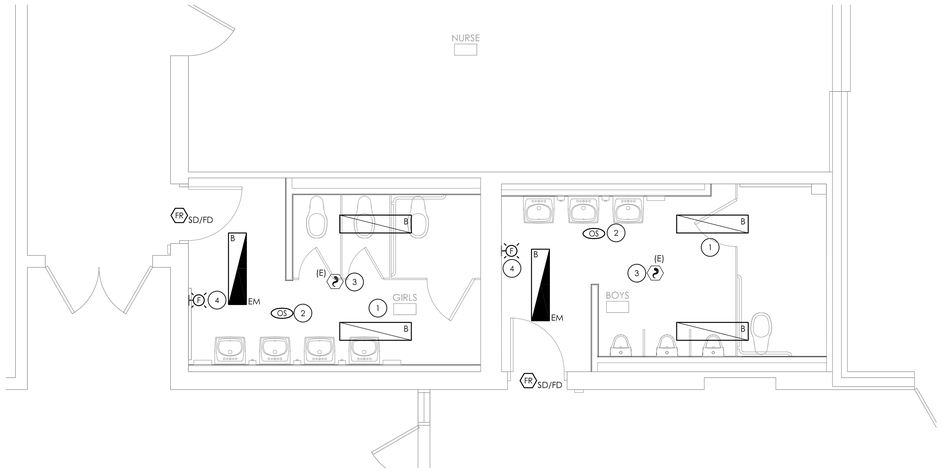
SHEET TITLE
S.O. MIDDLE SCHOOL GROUND AND FIRST FLOOR DEMOLITION PLANS

PROJECT NUMBER
14457.16

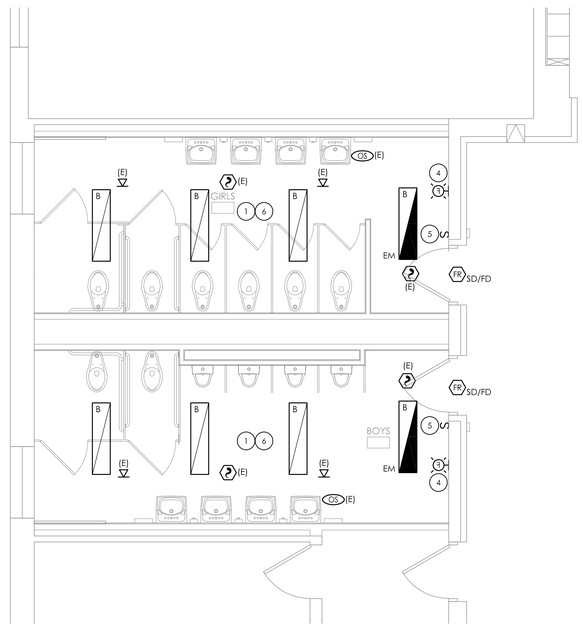
SOMS
E101
DRAWING NUMBER

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 FOR ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF ITEMS BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR LAND SURVEYOR ARE ALTERED, THE ALTERING ARCHITECT, ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM THE WORDS "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE SPECIFIC DESCRIPTION OF THE ALTERATION.

Drawing Name: S:\Projects\So_Orange CSD\2022 Summer Work\D Design\06 CAD\AutoCAD\ELEC\E1\SOMS-E101.dwg
Date last accessed: 10/19/2022 9:17 AM
Date last plotted: 10/19/2022 9:38 AM
Plotted By: Michael Yamin



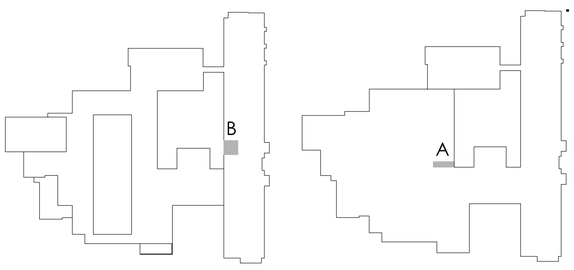
1 E201 **PARTIAL GROUND FLOOR NEW WORK PLAN - AREA 'A' - ALTERNATE #EC-1**
SCALE: 1/4" = 1'-0"



2 E201 **PARTIAL FIRST FLOOR NEW WORK PLAN - AREA 'B' - ALTERNATE #EC-3**
SCALE: 1/4" = 1'-0"

KEY NOTES:

1. CONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUITRY TAGGED FOR RE-USE. REWORK/EXTEND CIRCUITRY AS NECESSARY TO ACCOMMODATE NEW LOCATIONS. REFER TO LUMINAIRE SCHEDULE ON DRAWING GEN-E900 FOR LIGHTING SPECIFICATIONS AND NOTES.
2. PROVIDE NEW CEILING MOUNTED OCCUPANCY SENSORS AS NOTED. PROVIDE ALL LOW VOLTAGE WIRING FROM NEW OCCUPANCY SENSORS TO NEW LIGHT FIXTURES.
3. RECONNECT EXISTING RELOCATED SMOKE DETECTOR TO EXISTING TAGGED WIRING. SMOKE DETECTOR TO BE MOUNTED TO GYP CEILING.
4. RECONNECT EXISTING RELOCATED FIRE ALARM STROBE TO EXISTING TAGGED WIRING. FIRE ALARM STROBE TO BE WALL MOUNTED AT PREVIOUS HEIGHT.
5. RECONNECT EXISTING RELOCATED SWITCHES TO EXISTING TAGGED WIRING. UTILIZE EXISTING CONDUIT AND BACKBOXES AS NECESSARY. SWITCHES TO BE MOUNTED AT PREVIOUS HEIGHTS.
6. RECONNECT ALL EXISTING RELOCATED CEILING DEVICES, IE., SMOKE DETECTORS, OCCUPANCY SENSORS, AND VAPE SENSORS, TO EXISTING TAGGED WIRING. DEVICES TO BE MOUNTED TO GYP CEILING.



FIRST FLOOR KEY PLAN
SCALE: N.T.S.
N

GROUND FLOOR KEY PLAN
SCALE: N.T.S.
N

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913
COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	MAY	JBT

SCALE AS NOTED

SHEET TITLE
S.O. MIDDLE SCHOOL
GROUND AND
FIRST FLOOR
NEW WORK PLANS

PROJECT NUMBER
14457.16

SOMS
E201
DRAWING NUMBER

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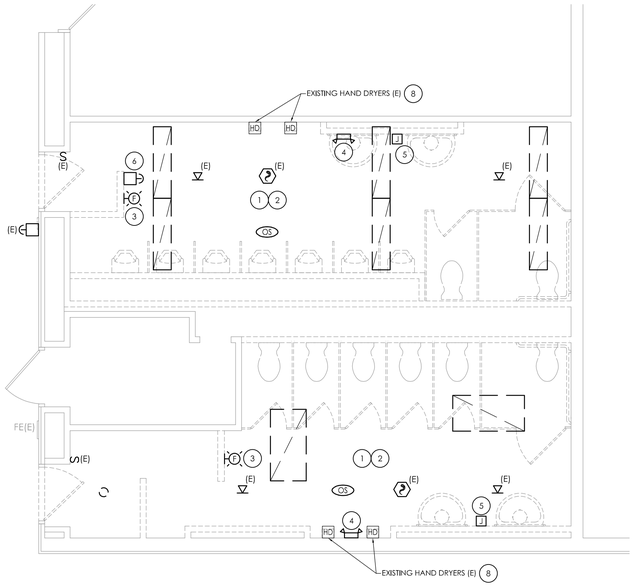
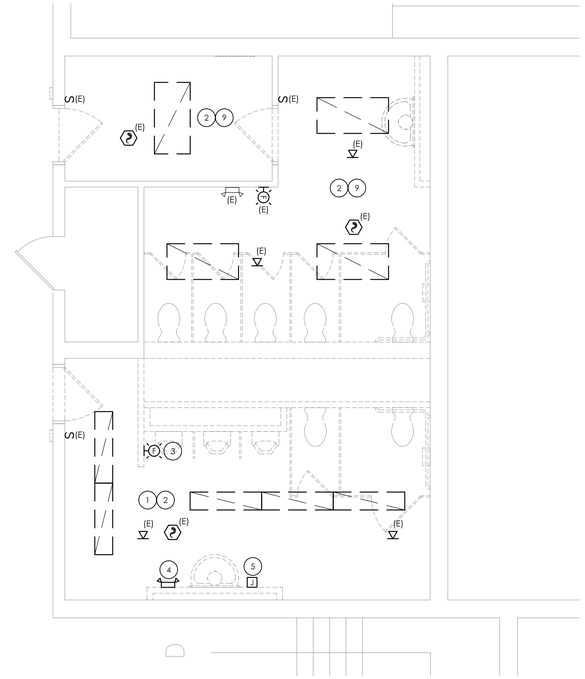
Date last accessed: 10/18/2022 1:07 PM
Date last plotted: 10/19/2022 2:43 PM
Plotted By: Michael Yamin



2 / E101 **PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'C'**
SCALE: 1/4" = 1'-0"



1 / E101 **PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA 'A'**
SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES:

A. ALL ITEMS SHOWN ARE TO BE REMOVED UNLESS LABELED AS (E) EXISTING TO REMAIN. ANY DEVICE, AS WELL AS ITS ASSOCIATED CIRCUITING, AND CONDUIT, LABELED "(E)" SHALL REMAIN, UNLESS OTHERWISE NOTED.

B. INFORMATION ON DRAWINGS WAS OBTAINED THROUGH FIELD OBSERVATION AND AS-BUILT DOCUMENTATION. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ANY DEVICES AND CABLING THAT MAY NOT BE SHOWN ON DRAWING AT NO ADDITIONAL COST TO OWNER.

C. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE AT NO ADDITIONAL COST.

D. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION. REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.

E. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED. THE CONTRACTOR SHALL ASSUME WITHIN THE BASE BID A NOMINAL AMOUNT OF BRANCH CIRCUITS, FIXTURES, DEVICES, AND SYSTEMS WIRING WITHIN WALLS OR OPENINGS TO BE REMOVED OR RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.

F. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.

G. ALL ITEMS (DEVICES, FIXTURES, ETC.) SHOWN ARE TO BE REMOVED UNLESS LABELED AS EXISTING TO REMAIN - (E). THESE ITEMS AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE CONTROL PANEL/PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.

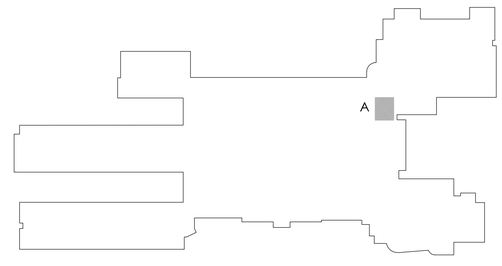
H. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS AND/OR EQUIPMENT BEING REMOVED AS PART OF THE PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.

I. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL UNUSED FLUSH MOUNT DEVICE BOXES UPON COMPLETION OF PROJECT.

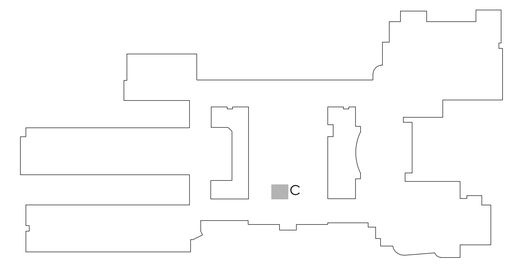
J. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

KEY NOTES:

1. DISCONNECT AND REMOVE EXISTING LIGHTING. PULL WIRING BACK AND TAG FOR RE-USE.
2. DISCONNECT ALL EXISTING CEILING DEVICES, IE., SMOKE DETECTORS, OCCUPANCY SENSORS, AND VAPE SENSORS, AND STORE FOR RELOCATION. PULL WIRING BACK AND TAG FOR RE-USE.
3. DISCONNECT EXISTING FIRE ALARM DEVICES AND STORE FOR RELOCATION. PULL WIRING BACK AND TAG FOR RE-USE.
4. DISCONNECT EXISTING EMERGENCY LIGHTING FIXTURE AND STORE FOR RELOCATION. PULL WIRING BACK AND TAG FOR RE-USE.
5. DISCONNECT AND REMOVE EXISTING JUNCTION BOX AND SURFACE RACEWAY TO SINK SENSORS. DISCONNECT AND REMOVE ALL WIRING BACK TO SOURCE.
6. DISCONNECT EXISTING ADA DOOR OPENER AND STORE FOR RELOCATION. PULL WIRING BACK AND TAG FOR RE-USE.
7. ALL EXISTING DEVICES WITHIN THESE SPACES ARE EXISTING TO REMAIN. ANY DEVICES ON DEMOLISHED FINISHES SHALL BE DISCONNECTED TO ACCOMMODATE WORK AND THEN RECONNECTED ONCE NEW FINISHES ARE INSTALLED.
8. DISCONNECT EXISTING HAND DRYER CONDUIT AND WIRING AND PULL BACK TO ABOVE CEILING SPACE. TAG ALL WIRING FOR RE-USE. REMOVE ALL SURFACE RACEWAY.
9. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES. PROTECT FROM DAMAGE AND TURN OVER TO OWNER. PULL WIRING BACK AND TAG FOR RE-USE.



FIRST FLOOR
KEY PLAN
SCALE: N.T.S.
N



SECOND FLOOR
KEY PLAN
SCALE: N.T.S.
N

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913
COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPAN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	MAY	JBT

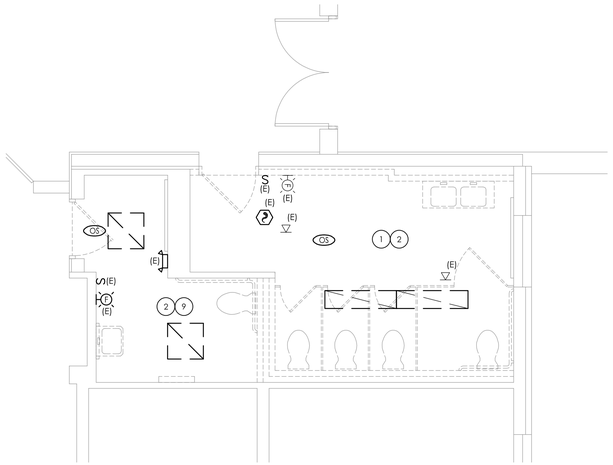
SCALE AS NOTED

SHEET TITLE
TAPPAN ZEE HS
FIRST AND SECOND
FLOOR DEMOLITION
PLANS

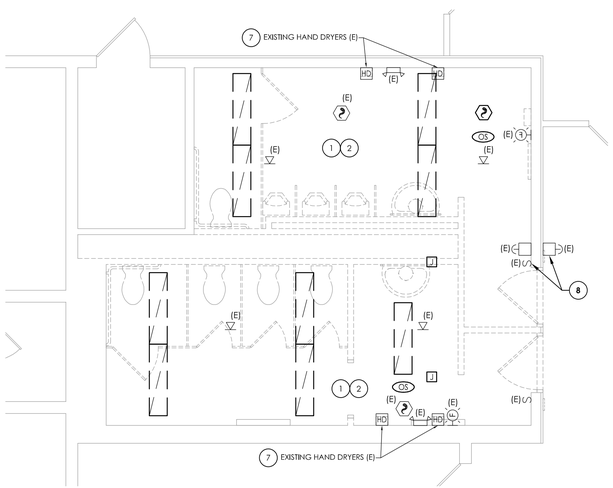
PROJECT NUMBER
14457.16

TZHS
E101
DRAWING NUMBER

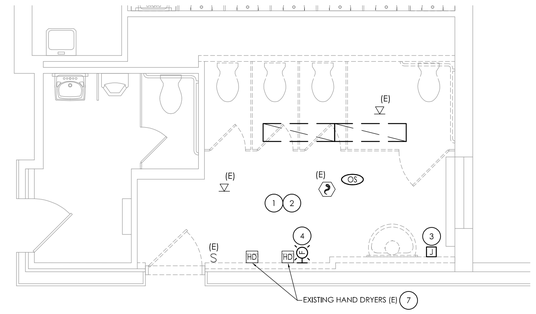
IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 FOR ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF ANY ITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ARCHITECT, ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM THE SEAL AND THE NOTATIONS "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE SPECIFIC DESCRIPTION OF THE ALTERATION.



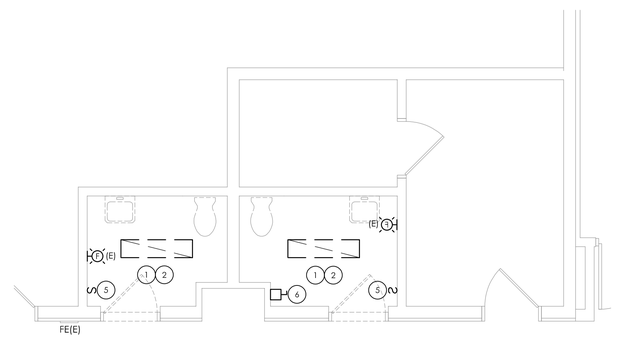
1 / E102 **PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'D'**
SCALE: 1/4" = 1'-0"



3 / E102 **PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'F'**
SCALE: 1/4" = 1'-0"



2 / E102 **PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'E'**
SCALE: 1/4" = 1'-0"



4 / E102 **PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA 'B'**
SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES:

A. ALL ITEMS SHOWN ARE TO BE REMOVED UNLESS LABELED AS (E) EXISTING TO REMAIN. ANY DEVICE, AS WELL AS ITS ASSOCIATED CIRCUITING, AND CONDUIT, LABELED "(E)" SHALL REMAIN, UNLESS OTHERWISE NOTED.

B. INFORMATION ON DRAWINGS WAS OBTAINED THROUGH FIELD OBSERVATION AND AS-BUILT DOCUMENTATION. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ANY DEVICES AND CABLING THAT MAY NOT BE SHOWN ON DRAWING AT NO ADDITIONAL COST TO OWNER.

C. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE AT NO ADDITIONAL COST.

D. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION. REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.

E. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED. THE CONTRACTOR SHALL ASSUME WITHIN THE BASE BID A NOMINAL AMOUNT OF BRANCH CIRCUITS, FIXTURES, DEVICES, AND SYSTEMS WIRING WITHIN WALLS OR OPENINGS TO BE REMOVED OR RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.

F. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.

G. ALL ITEMS (DEVICES, FIXTURES, ETC.) SHOWN ARE TO BE REMOVED UNLESS LABELED AS EXISTING TO REMAIN - (E). THESE ITEMS AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE CONTROL PANEL/PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.

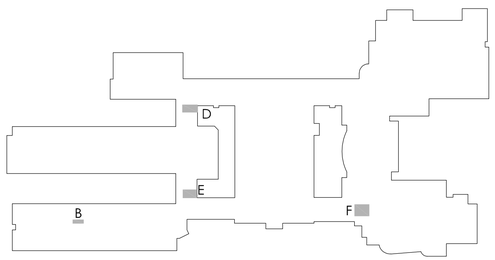
H. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS AND/OR EQUIPMENT BEING REMOVED AS PART OF THE PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.

I. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL UNUSED FLUSH MOUNT DEVICE BOXES UPON COMPLETION OF PROJECT.

J. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

KEY NOTES:

1. DISCONNECT AND REMOVE EXISTING LIGHTING. PULL WIRING BACK AND TAG FOR RE-USE.
2. DISCONNECT ALL EXISTING CEILING DEVICES, IE., SMOKE DETECTORS, OCCUPANCY SENSORS, AND VAPE SENSORS, AND STORE FOR RELOCATION. PULL WIRING BACK AND TAG FOR RE-USE.
3. DISCONNECT AND REMOVE EXISTING JUNCTION BOX AND SURFACE RACEWAY TO SINK SENSORS. DISCONNECT AND REMOVE ALL WIRING BACK TO SOURCE.
4. DISCONNECT EXISTING FIRE ALARM DEVICES AND STORE FOR RELOCATION. PULL WIRING BACK AND TAG FOR RE-USE.
5. DISCONNECT AND REMOVE EXISTING SWITCH AND SWITCH LEG. EXISTING BACKBOX AND CONDUIT TO REMAIN FOR RE-USE.
6. DISCONNECT AND REMOVE EXISTING WALL MOUNTED CIRCUIT BREAKERS AT LOCATION SHOWN. STORE FOR RELOCATION. PULL ALL CONDUIT AND WIRING BACK TO ABOVE CEILING. PROVIDE A JUNCTION BOX ABOVE CEILING TO TERMINATE ALL CONDUIT AND WIRE. TAG FOR RE-USE.
7. DISCONNECT EXISTING HAND DRYER CONDUIT AND WIRING AND PULL BACK TO ABOVE CEILING SPACE. TAG ALL WIRING FOR RE-USE. REMOVE ALL SURFACE RACEWAY.
8. DISCONNECT AND REMOVE EXISTING DOOR OPERATORS. REMOVE ALL CONDUIT AND WIRING BACK TO SOURCE.
9. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES. PROTECT FROM DAMAGE AND TURN OVER TO OWNER. PULL WIRING BACK AND TAG FOR RE-USE.



SECOND FLOOR
KEY PLAN
SCALE: N.T.S.
N

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913
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DATE	DRAWN	CHECKED
10/20/22	MAY	JBT

SCALE AS NOTED

SHEET TITLE
TAPPAN ZEE HS
SECOND FLOOR
DEMOLITION PLANS

PROJECT NUMBER
14457.16

TZHS
E102
DRAWING NUMBER

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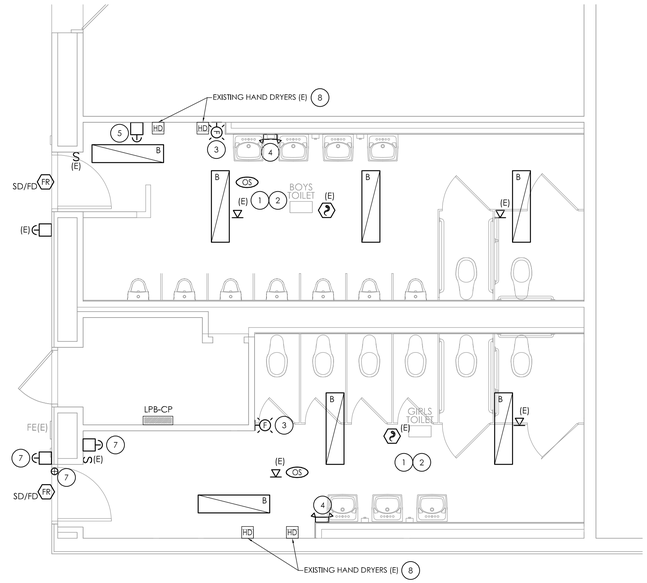
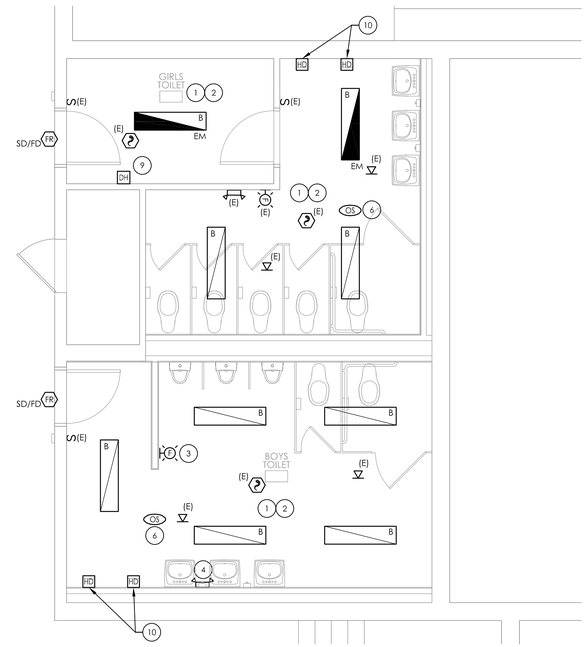
Date last accessed: 10/19/2022 9:24 AM
Date last plotted: 10/19/2022 9:36 AM
Plotted By: Michael Yamin



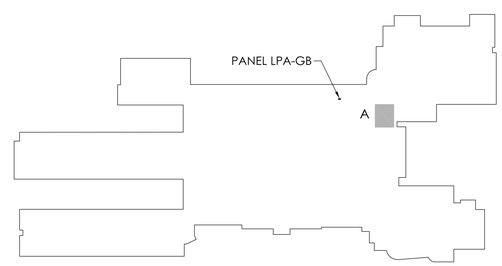
2 E201 **PARTIAL SECOND FLOOR NEW WORK - AREA 'C'**
SCALE: 1/4" = 1'-0"



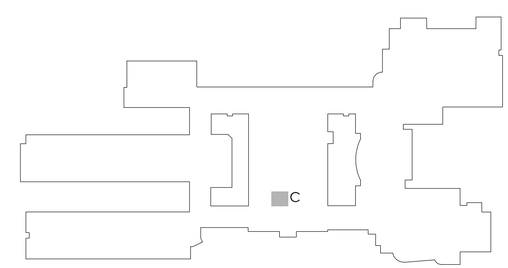
1 E201 **PARTIAL FIRST FLOOR NEW WORK - AREA 'A' - ALTERNATE #EC-3**
SCALE: 1/4" = 1'-0"

KEY NOTES:

1. CONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUITRY TAGGED FOR RE-USE. REWORK/EXTEND CIRCUITRY AS NECESSARY TO ACCOMMODATE NEW LOCATIONS. REFER TO LUMINAIRE SCHEDULE ON DRAWING GEN-E900 FOR LIGHTING SPECIFICATIONS AND NOTES.
2. RECONNECT ALL EXISTING RELOCATED CEILING DEVICES, IE., SMOKE DETECTORS, OCCUPANCY SENSORS, AND VAPE SENSORS, TO EXISTING TAGGED WIRING. DEVICES TO BE MOUNTED TO GYP CEILING.
3. RECONNECT EXISTING RELOCATED FIRE ALARM DEVICE TO EXISTING TAGGED WIRING. FIRE ALARM DEVICE TO BE WALL MOUNTED AT PREVIOUS HEIGHT.
4. RECONNECT EXISTING RELOCATED EMERGENCY LIGHTING FIXTURE TO EXISTING TAGGED WIRING. EMERGENCY LIGHTING FIXTURE TO BE WALL MOUNTED AT PREVIOUS HEIGHT.
5. RECONNECT EXISTING ADA DOOR OPENER TO EXISTING TAGGED WIRING. ADA DOOR OPENER TO BE WALL MOUNTED AT PREVIOUS HEIGHT.
6. PROVIDE NEW CEILING MOUNTED OCCUPANCY SENSORS AS NOTED. PROVIDE ALL LOW VOLTAGE WIRING FROM NEW OCCUPANCY SENSORS TO NEW LIGHT FIXTURES.
7. NEW ADA DOOR OPERATOR EQUIPMENT AND PUSH BUTTONS. PROVIDE 120-VOLT POWER IN CEILING TO ACCOMMODATE POWER TO ADA DOOR OPERATOR EQUIPMENT. PROVIDE (2) #12, (1) 12 GND IN 3/4"C FROM SPARE 20-AMP, 1-POLE CIRCUIT BREAKER IN PANEL LPB-CP TO ADA DOOR EQUIPMENT. INSTALL ADA DOOR PUSH BUTTONS AND ALL ASSOCIATED POWER AND CONTROL WIRING BETWEEN DOORS AND PUSH BUTTONS. REFER TO SPECIFICATION SECTION 087100 FOR FURTHER INFORMATION.
8. NEW LOCATION OF EXISTING HAND DRYERS. CONNECT TO EXISTING CIRCUITRY TAGGED FOR RE-USE. REWORK/EXTEND CIRCUITRY AS NECESSARY TO ACCOMMODATE NEW LOCATIONS.
9. PROVIDE DOOR HOLD OPEN AT LOCATION INDICATED. PROVIDE ALL WIRING AND TERMINATIONS TO CONNECT HOLD OPEN TO FIRE ALARM SYSTEM.
10. PROVIDE (2) #12, (1) #12 GND IN 3/4" CONDUIT FROM EACH HAND DRYER TO PANEL LPC-GA IN CORRIDOR. PROVIDE (1) 20-AMP, 1-POLE CIRCUIT BREAKER IN PANEL TO ACCOMMODATE EACH NEW HAND DRYER, FOR A TOTAL OF (4) NEW BREAKERS. LABEL ACCORDINGLY.



FIRST FLOOR KEY PLAN
SCALE: N.T.S.



SECOND FLOOR KEY PLAN
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ARCHITECTURE ▪ ENGINEERING ▪ PLANNING
50 FRONT STREET, SUITE 202
NEWBURGH, NEW YORK 12550
TEL (800) 274-9000
FAX (845) 567-9614

REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913
COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	MAY	JBT

SCALE AS NOTED

SHEET TITLE
TAPPAN ZEE HS FIRST AND SECOND FLOOR NEW WORK PLANS

PROJECT NUMBER
14457.16

TZHS
E201
DRAWING NUMBER

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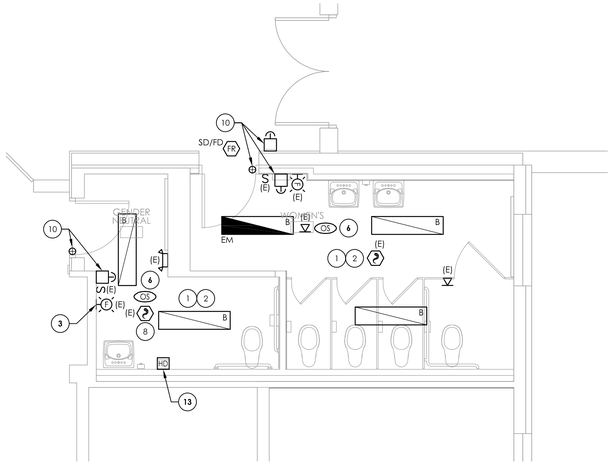
Plotted By: Michael Yamin



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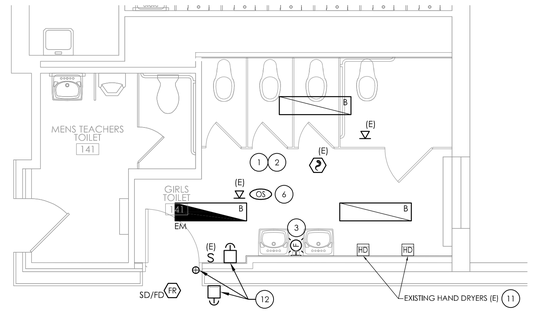

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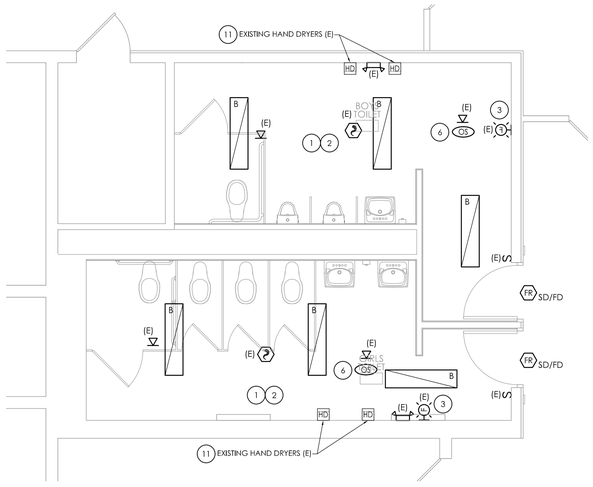
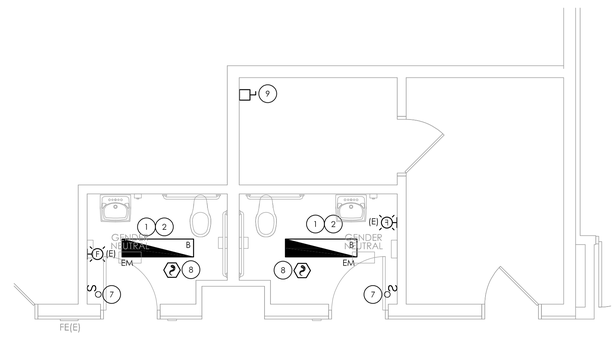


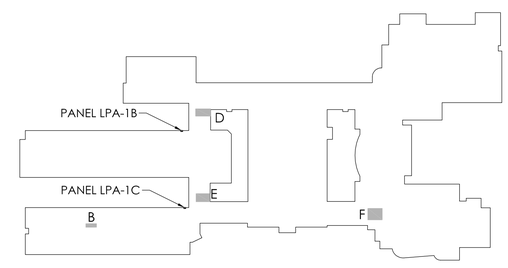
3 E202 **PARTIAL SECOND FLOOR NEW WORK - AREA 'F'**
SCALE: 1/4" = 1'-0"



4 E202 **PARTIAL SECOND FLOOR NEW WORK - AREA 'B' - ALTERNATE #EC-4**
SCALE: 1/4" = 1'-0"

KEY NOTES:

1. CONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUITRY TAGGED FOR RE-USE. REWORK/EXTEND CIRCUITRY AS NECESSARY TO ACCOMMODATE NEW LOCATIONS. REFER TO LUMINAIRE SCHEDULE ON DRAWING GEN-E900 FOR LIGHTING SPECIFICATIONS AND NOTES.
2. RECONNECT ALL EXISTING RELOCATED CEILING DEVICES, IE., SMOKE DETECTORS, OCCUPANCY SENSORS, AND VAPE SENSORS, TO EXISTING TAGGED WIRING. DEVICES TO BE MOUNTED TO GYP CEILING.
3. RECONNECT EXISTING RELOCATED FIRE ALARM DEVICE TO EXISTING TAGGED WIRING. FIRE ALARM DEVICE TO BE WALL MOUNTED AT PREVIOUS HEIGHT.
4. RECONNECT EXISTING RELOCATED EMERGENCY LIGHTING FIXTURE TO EXISTING TAGGED WIRING. EMERGENCY LIGHTING FIXTURE TO BE WALL MOUNTED AT PREVIOUS HEIGHT.
5. RECONNECT EXISTING ADA DOOR OPENER TO EXISTING TAGGED WIRING. ADA DOOR OPENER TO BE WALL MOUNTED AT PREVIOUS HEIGHT.
6. PROVIDE NEW CEILING MOUNTED OCCUPANCY SENSORS AS NOTED. PROVIDE ALL LOW VOLTAGE WIRING FROM NEW OCCUPANCY SENSORS TO NEW LIGHT FIXTURES.
7. PROVIDE NEW OCCUPANCY SENSOR SWITCHING AS NOTED, IN EXISTING BACKBOX. PROVIDE ALL LOW VOLTAGE WIRING FROM NEW SWITCHING TO NEW LIGHT FIXTURES.
8. PROVIDE NEW ADDRESSABLE SMOKE DETECTOR AT LOCATION SHOWN. DETECTOR TO MATCH EXISTING MANUFACTURER. WIRE SMOKE DETECTOR TO EXISTING FIRE ALARM LOOP.
9. NEW LOCATION OF RELOCATED WALL MOUNTED CIRCUIT BREAKERS. PROVIDE NEW CONDUIT AND WIRING TO MATCH EXISTING SIZE OF TAGGED WIRING FROM ABOVE CEILING JUNCTION BOX TO NEW LOCATION. PROVIDE ALL CONDUIT AND WIRING TO NEW LOCATION.
10. NEW ADA DOOR OPERATOR EQUIPMENT AND PUSH BUTTONS. PROVIDE 120-VOLT POWER IN CEILING TO ACCOMMODATE POWER TO ADA DOOR OPERATOR EQUIPMENT. PROVIDE (2) #12, (1) 12 GND IN 3/4"C FROM PANEL LPA-1B TO ADA DOOR EQUIPMENT. PROVIDE (1) 20-AMP, 1-POLE CIRCUIT BREAKER IN PANEL TO ACCOMMODATE NEW DOOR OPERATORS. INSTALL ADA DOOR PUSH BUTTONS AND ALL ASSOCIATED POWER AND CONTROL WIRING BETWEEN DOORS AND PUSH BUTTONS. REFER TO SPECIFICATION SECTION 087100 FOR FURTHER INFORMATION.
11. NEW LOCATION OF EXISTING HAND DRYERS. CONNECT TO EXISTING CIRCUITRY TAGGED FOR RE-USE. REWORK/EXTEND CIRCUITRY AS NECESSARY TO ACCOMMODATE NEW LOCATIONS.
12. NEW ADA DOOR OPERATOR EQUIPMENT AND PUSH BUTTONS. PROVIDE 120-VOLT POWER IN CEILING TO ACCOMMODATE POWER TO ADA DOOR OPERATOR EQUIPMENT. PROVIDE (2) #12, (1) 12 GND IN 3/4"C FROM SPARE 20-AMP, 1-POLE CIRCUIT BREAKER IN PANEL LPA-1C TO ADA DOOR EQUIPMENT. INSTALL ADA DOOR PUSH BUTTONS AND ALL ASSOCIATED POWER AND CONTROL WIRING BETWEEN DOORS AND PUSH BUTTONS. REFER TO SPECIFICATION SECTION 087100 FOR FURTHER INFORMATION.
13. PROVIDE (2) #12, (1) #12 GND IN 3/4" CONDUIT FROM HAND DRYER TO PANEL LPA-1B. PROVIDE (1) 20-AMP, 1-POLE CIRCUIT BREAKER IN PANEL TO ACCOMMODATE NEW HAND DRYER. LABEL ACCORDINGLY.



SECOND FLOOR
KEY PLAN
SCALE: N.T.S.

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50 FRONT STREET, SUITE 202
NEWBURGH, NEW YORK 12550
TEL (800) 274-9000
FAX (845) 567-9614

REVISIONS			
NO.	DATE	BY	DESCRIPTION

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENT PROJECT 2022
160 VAN WYCK RD, BLAUVELT, NY 10913

COTTAGE LANE ELEMENTARY - SED# 50-03-01-06-0-010-021
S.O. MIDDLE SCHOOL - SED# 50-03-01-06-0-013-028
TAPPEN ZEE HIGH SCHOOL - SED#50-03-01-06-0-006-031

DATE	DRAWN	CHECKED
10/20/22	MAY	JBT

SCALE AS NOTED

SHEET TITLE
TAPPAN ZEE HS
SECOND FLOOR
NEW WORK PLANS

PROJECT NUMBER
14457.16

TZHS
E202
DRAWING NUMBER

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Date last accessed: 10/19/2022 3:35 PM
Date last plotted: 10/20/2022 1:41 PM
Plotted By: Michael Yamin

LUMINAIRE SCHEDULE

MARK	DESCRIPTION	DESIGN MAKE	MODEL #	VOLTS	LAMP			REMARKS
					QTY	WATTS	MODEL #	
A	2x4 RECESSED TROFFER	COLUMBIA	LCAT-9-35-MWHE-G-ED-U	UNV	-	30	3500K	-
A/EM	2x4 RECESSED TROFFER WITH EMERGENCY BATTERY BACKUP	COLUMBIA	LCAT-9-35-MWHE-G-ED-U-ELL14	UNV	-	30	3500K	2,3
B	1x4 RECESSED FLAT PANEL LED FIXTURE	COLUMBIA	CFP14-55/41/3435	UNV	-	39	3500K	1
B/EM	1x4 RECESSED FLAT PANEL LED FIXTURE WITH EMERGENCY BATTERY BACKUP	COLUMBIA	CFP14-55/41/3435-PLD10M	UNV	-	53	3500K	1,2,3
C	2X2 RECESSED FLAT PANEL LED FIXTURE	COLUMBIA	CFP22-40/33/2835	UNV	-	40	3500K	1
C/EM	2X2 RECESSED FLAT PANEL LED FIXTURE WITH EMERGENCY BATTERY BACKUP	COLUMBIA	CFP22-40/33/2835-PLD10M	UNV	-	40	3500K	1,2,3

REMARKS:

1. FIXTURES TO BE RECESSED MOUNTED INTO DRYWALL CEILING. PROVIDE DRYWALL FRAME KIT FK14 FOR ALL FIXTURES.
2. ALL FIXTURES SHOWN WITH AN "EM" DESIGNATION SHALL HAVE 90-MINUTE BATTERY CAPACITY.
3. ALL FIXTURES SHOWN WITH AN "EM" DESIGNATION INDICATES EMERGENCY LIGHTING FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP FOR EACH FIXTURE INDICATED.

ELECTRICAL EQUIPMENT WIRING SCHEDULE

ITEM NUMBER	EQUIPMENT	HP/ FLA	VOLTS	PHASE	AMPS	BREAKER SIZE/ FUSE SIZE	WIRE/CONDUIT SIZE	PANEL/CCT	REMARKS
1	EF-1	1/6 HP	120	1	4A	-	(2) #12, (1) #12GND IN 3/4"C	-	1,2

REMARKS:

1. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE MOUNTING, AND LINE/LOAD SIDE CONNECTIONS OF DISCONNECT AND/OR STARTER DEVICE ASSOCIATED WITH UNIT. MEANS OF DISCONNECT AND/OR STARTER ASSOCIATED WITH UNIT PROVIDED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS TO EQUIPMENT.
2. EXHAUST FAN TO BE WIRED TO EXISTING LIGHTING CIRCUIT FEEDING THE SPACE. TIE EXHAUST FAN INTO OCCUPANCY SENSORS FOR ON/OFF CONTROL. PROVIDE ALL WIRING TO ACCOMMODATE.

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NEWBURGH, NEW YORK 12550
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REVISIONS

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DATE	DRAWN	CHECKED
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SCALE AS NOTED

SHEET TITLE
SCHEDULES

PROJECT NUMBER
14457.16

GEN
E900
DRAWING NUMBER

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