

ADDITIONS AND RENOVATIONS TO
COOPERTOWN ELEMENTARY SCHOOL

SCHOOL DISTRICT OF HAVERFORD TOWNSHIP
CRA PROJECT No. 3758
MARCH 10, 2025



NOTE: IMAGE NOT TO BE USED FOR CONSTRUCTION OR BIDDING

CRABTREE, ROHRBAUGH & ASSOCIATES - ARCHITECTS

401 EAST WINDING HILL ROAD
MECHANICSBURG, PENNSYLVANIA 17055

Phone: (717) 458-0272
www.cra-architects.com



STRUCTURAL

ENGINEER

BAKER INGRAM & ASSOCIATES
1547 OREGON PIKE
LANCASTER, PA 17601
717-290-7400
www.bakeringram.com

CIVIL ENGINEER

KUROWSKI & WILSON, LLC
2201 NORTH FRONT STREET
SUITE 200
HARRISBURG, PA 17110
717-635-2835
www.kandwengineers.com

FOOD SERVICE

FOOD FACILITIES CONCEPTS, INC
1100 WASHINGTON AVENUE
CARNEGIE, PA 15106
412-276-9090
www.ffcinc.biz

MEP ENGINEER

MOORE ENGINEERING
3637 COLUMBIA AVENUE
LANCASTER, PA 17603
717-285-3141
<https://mooreengineering.com>

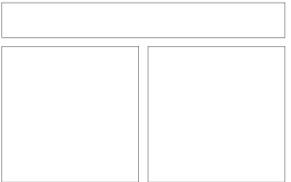
VOLUME ONE

DRAWING LIST - VOLUME ONE	
SHEET NO.	SHEET NAME
GENERAL	
CS.1	COVER SHEET - VOLUME ONE
CS.2	DRAWING LIST
CS.3	GENERAL INFORMATION
PHASING	
PH.1.1	PHASING PLANS
CIVIL	
C-001	COVER SHEET
C-002	PCSM SUPPORTING INFORMATION
C-003	E&S SUPPORTING INFORMATION
C-101	OVERALL EXISTING FEATURES PLAN
C-101.1	EXISTING FEATURES PLAN
C-102	DEMOLITION PLAN
C-103	OVERALL SITE PLAN
C-103.1	SITE PLAN
C-103.2	SITE PLAN
C-104	GRADING PLAN
C-104.1	GRADING PLAN
C-105	PCSM PLAN
C-105.1	PCSM PLAN
C-106	UTILITY PLAN
C-107	LANDSCAPE PLAN
C-300	STORMWATER PROFILES
C-301	STORMWATER PROFILES
C-302	STORMWATER PROFILES
C-501	DETAILS
C-502	DETAILS
C-503	WATER DETAILS
C-601	PCSM DETAILS
C-602	PCSM DETAILS
C-701	OVERALL E&S PLAN
C-701.1	E&S PLAN
C-701.2	E&S PLAN
C-702	E&S DETAILS
C-703	E&S DETAILS
C-801	OFFSITE DRAINAGE PLAN
ARCHITECTURAL CODE COMPLIANCE	
CC.0	CODE ANALYSIS & BUILDING CODE INFORMATION
CC.1	CODE COMPLIANCE FIRST FLOOR PLAN
DEMOLITION	
D1.0	ALTERATION NOTES & LEGEND
D1.1	OVERALL DEMOLITION FLOOR PLAN
D1.2	DEMOLITION FLOOR PLAN - UNIT A
D1.3	DEMOLITION FLOOR PLAN - UNIT B
D1.4	DEMOLITION FLOOR PLAN - UNIT C
D1.5	DEMOLITION FLOOR PLAN - UNIT D & UNIT E
D1.6	OVERALL DEMOLITION ROOF PLAN
ARCHITECTURAL	
A1.1	OVERALL FIRST FLOOR PLAN
A1.2	FIRST FLOOR PLAN - UNIT A
A1.3	FIRST FLOOR PLAN - UNIT B
A1.4	FIRST FLOOR PLAN - UNIT C
A1.5	FIRST FLOOR PLAN - UNIT D
A1.6	FIRST FLOOR PLAN - UNIT E
A1.7	OVERALL ROOF PLAN
A1.8	FIRST FLOOR REFLECTED CEILING PLAN - UNIT A
A1.9	FIRST FLOOR REFLECTED CEILING PLAN - UNIT B
A1.10	FIRST FLOOR REFLECTED CEILING PLAN - UNIT C
A1.11	FIRST FLOOR REFLECTED CEILING PLAN - UNIT D
A1.12	FIRST FLOOR REFLECTED CEILING PLAN - UNIT E
A2.1	OVERALL EXTERIOR ELEVATIONS
A2.2	EXTERIOR ELEVATIONS
A2.3	EXTERIOR ELEVATIONS_COLOR
A2.4	EXTERIOR ELEVATIONS
A2.5	EXTERIOR ELEVATIONS
A2.6	INTERIOR ELEVATIONS - GYMNASIUM_COLOR
A2.7	INTERIOR ELEVATIONS - CAFETERIA_COLOR
A2.8	INTERIOR ELEVATIONS - MAIN LOBBY & COLLABORATION_COLOR
A2.9	INTERIOR ELEVATIONS - CORRIDORS_COLOR
A2.10	INTERIOR ELEVATIONS - CORRIDORS_COLOR
A3.1	BUILDING SECTIONS
A3.2	WALL SECTIONS - UNIT A & B
A3.3	WALL SECTIONS - UNIT B
A3.4	WALL SECTIONS - UNIT B
A3.5	WALL SECTIONS - UNIT C
A3.6	WALL SECTIONS - UNIT D & UNIT E
A3.7	WALL SECTIONS - UNIT D & UNIT E
A4.1	LARGE SCALE TOILET PLANS & ACCESSIBILITY STANDARDS
A4.2	LARGE SCALE GYMNASIUM PLAN
A4.3	LARGE SCALE THEATER RIGGING
A4.4	LARGE SCALE DOCK PLAN, SECTIONS & DETAILS
A4.5	LARGE SCALE PLAZA PLAN
A5.1	TYPICAL MASONRY DETAILS
A5.2	TYPICAL DETAILS
A5.3	TYPICAL METAL PANEL DETAILS
A5.4	TYPICAL METAL PANEL DETAILS
A5.5	TYPICAL DETAILS
A5.6	TYPICAL DETAILS
A6.1	ROOM FINISH SCHEDULE
A6.2	SIGNAGE SCHEDULE
A6.3	DOOR SCHEDULE - UNITS A & B
A6.4	DOOR SCHEDULE - UNITS C, D & E
A6.5	HOLLOW METAL FRAME ELEVATIONS AND DETAILS
A6.6	HOLLOW METAL FRAME DETAILS
A6.7	ALUMINUM STOREFRONT FRAME ELEVATIONS
A6.8	ALUMINUM STOREFRONT FRAME ELEVATIONS
A6.9	ALUMINUM STOREFRONT DETAILS
A6.10	ALUMINUM STOREFRONT DETAILS
A6.11	ALUMINUM STOREFRONT DETAILS
A6.12	ALUMINUM STOREFRONT DETAILS
A6.13	ALUMINUM STOREFRONT DETAILS
A7.1	ALTERNATE - OAKMONT DAO RENOVATION
A7.2	ALTERNATE - OAKMONT DAO RENOVATION

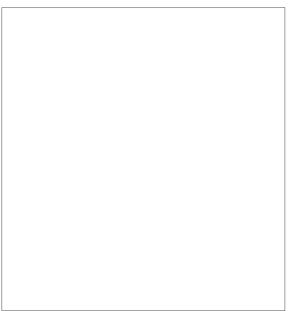
DRAWING LIST - VOLUME ONE	
SHEET NO.	SHEET NAME
INTERIORS	
I4.1	OVERALL FIRST FLOOR PLAN - CASEWORK & EQUIPMENT
I4.2	LARGE SCALE LAYOUTS - KINDERGARTEN
I4.3	LARGE SCALE LAYOUTS - FIRST GRADE
I4.3S	INTERIOR ELEVATIONS - FIRST GRADE & DETAILS
I4.4	LARGE SCALE LAYOUTS - SECOND GRADE
I4.5	LARGE SCALE LAYOUTS - THIRD GRADE
I4.6	LARGE SCALE LAYOUTS - FOURTH GRADE
I4.7	LARGE SCALE LAYOUTS - FIFTH GRADE
I4.8	LARGE SCALE LAYOUTS - SPECIAL EDUCATION
I4.9	LARGE SCALE LAYOUTS - SUPPORT SPACES
I4.9S	INTERIOR ELEVATIONS - SUPPORT SPACES
I4.10	LARGE SCALE LAYOUTS - ARTISTIC SUPPORT
I4.11	LARGE SCALE LAYOUTS - ART
I4.12	LARGE SCALE LAYOUTS - MUSIC
I4.13	LARGE SCALE LAYOUTS - MEDIA CENTER
I4.13S	INTERIOR ELEVATIONS - MEDIA CENTER_COLOR
I4.14	LARGE SCALE LAYOUTS - ADMINISTRATION, COUNSELING & NURSE
I4.14S	INTERIOR ELEVATIONS - ADMINISTRATION, COUNSELING & NURSE
I4.15	LARGE SCALE LAYOUTS - COLLABORATION, SGI & FACULTY SPACES
I4.16	LARGE SCALE LAYOUTS - CAFETERIA
I4.17	LARGE SCALE LAYOUTS - PARTIAL DISTRICT ADMINISTRATION OFFICE - ALTERNATE_COLOR
I4.18	AREA A - EXISTING & REUSED CORIAN TOP LOCATIONS
I4.19	AREA C - EXISTING & REUSED CORIAN TOP LOCATIONS
I7.1	OVERALL FIRST FLOOR - FLOOR PATTERNS_COLOR
I7.2	FIRST FLOOR - UNIT A_FLOOR PATTERN_COLOR
I7.3	FIRST FLOOR - UNIT B_FLOOR PATTERN_COLOR
I7.4	FIRST FLOOR - UNIT C_FLOOR PATTERN_COLOR
I7.5	FIRST FLOOR - UNIT D_FLOOR PATTERN_COLOR
I7.6	FIRST FLOOR - UNIT E_FLOOR PATTERN_COLOR
I7.7	OVERALL FIRST FLOOR PLAN - MATERIAL LOCATIONS_COLOR
I7.8	DAO OVERALL FLOOR PATTERN PLAN & MATERIAL PLAN - ALTERNATE_COLOR

DRAWING LIST - VOLUME TWO	
SHEET NO.	SHEET NAME
GENERAL	
CS.1-2	COVER SHEET - VOLUME TWO
CS.2	DRAWING LIST
FOOD SERVICE	
FS100	FOOD SERVICE EQUIPMENT SCHEDULE
FS101	FOOD SERVICE EQUIPMENT PLAN
FS102	PLUMBING CONNECTION SCHEDULE & PLAN
FS103	ELECTRICAL CONNECTION SCHEDULE & PLAN
FS104	MECHANICAL CONNECTION SCHEDULE & PLAN
FS200	CUSTOM FABRICATION DETAILS
FS201	CUSTOM FABRICATION DETAILS
FS202	CUSTOM FABRICATION DETAILS
STRUCTURAL	
S1.1	STRUCTURAL NOTES
S2.1	FIRST FLOOR FOUNDATION PLAN - UNIT A
S2.2	FIRST FLOOR FOUNDATION PLAN - UNIT B
S2.3	FIRST FLOOR FOUNDATION PLAN - UNIT C
S2.4	FIRST FLOOR FOUNDATION PLAN - UNIT D
S2.5	FIRST FLOOR FOUNDATION PLAN - UNIT E
S2.6	ROOF FRAMING PLAN - UNIT A
S2.7	ROOF FRAMING PLAN - UNIT B
S2.8	ROOF FRAMING PLAN - UNIT C
S2.9	ROOF FRAMING PLAN - UNIT D
S2.10	ROOF FRAMING PLAN - UNIT E
S2.11	HIGH ROOF FRAMING PLAN - UNITS A & B
S3.1	FOUNDATION SECTIONS
S4.1	FRAMING SECTIONS
S4.2	FRAMING SECTIONS
S6.1	TYPICAL DETAILS
S6.2	TYPICAL DETAILS
S6.3	TYPICAL DETAILS
S7.1	FIRST FLOOR LINTEL PLAN - OAKMONT BUILDING
MECHANICAL	
M0.1	MECHANICAL NOTES AND SYMBOLS
M1.1	FIRST FLOOR UNIT A HVAC DEMOLITION
M1.2	FIRST FLOOR UNIT B HVAC DEMOLITION
M1.3	FIRST FLOOR UNIT C HVAC DEMOLITION
M1.4	FIRST FLOOR UNIT D & E HVAC DEMOLITION
M1.5	ROOF HVAC DEMOLITION
M2.1	FIRST FLOOR UNIT A HVAC
M2.2	FIRST FLOOR UNIT B HVAC
M2.3	FIRST FLOOR UNIT C HVAC
M2.4	FIRST FLOOR UNIT D HVAC
M2.5	FIRST FLOOR UNIT E HVAC
M2.6	ROOF HVAC
M3.1	FIRST FLOOR UNIT A HVAC PIPING
M3.2	FIRST FLOOR UNIT B HVAC PIPING
M3.3	FIRST FLOOR UNIT C HVAC PIPING
M3.4	FIRST FLOOR UNIT D HVAC PIPING
M3.5	FIRST FLOOR UNIT E HVAC PIPING
M4.1	ENLARGED MECHANICAL ROOM PLANS
M5.1	HVAC SCHEDULES
M5.2	HVAC SCHEDULES
M5.3	HVAC SCHEDULES
M6.1	HVAC DETAILS
M6.2	HVAC DETAILS
M6.3	HVAC DETAILS
PLUMBING	
P0.1	NOTES AND SCHEDULES
P1.0	PLUMBING SITE PLAN
P1.1	FIRST FLOOR UNIT A PLUMBING DEMOLITION
P1.2	FIRST FLOOR UNIT B PLUMBING DEMOLITION
P1.3	FIRST FLOOR UNIT C PLUMBING DEMOLITION
P1.4	FIRST FLOOR UNIT D & E PLUMBING DEMOLITION
P1.5	ROOF PLAN PLUMBING DEMOLITION
P2.1	FIRST FLOOR UNIT A DOMESTIC WATER PIPING
P2.2	FIRST FLOOR UNIT B DOMESTIC WATER PIPING
P2.3	FIRST FLOOR UNIT C DOMESTIC WATER PIPING
P2.4	FIRST FLOOR UNIT D DOMESTIC WATER PIPING
P2.5	FIRST FLOOR UNIT E DOMESTIC WATER PIPING
P3.1	FIRST FLOOR UNIT A SANITARY WASTE & VENT PIPING
P3.2	FIRST FLOOR UNIT B SANITARY WASTE & VENT PIPING
P3.3	FIRST FLOOR UNIT C SANITARY WASTE & VENT PIPING
P3.4	FIRST FLOOR UNIT D SANITARY WASTE & VENT PIPING
P3.5	FIRST FLOOR UNIT E SANITARY WASTE & VENT PIPING
P3.6	ROOF PLUMBING
P4.1	ENLARGED PLANS
P4.2	ENLARGED PLANS
P4.3	ENLARGED PLANS
P5.1	DETAILS
FIRE PROTECTION	
FP0.1	FIRST FLOOR UNIT A FIRE PROTECTION
FP2.1	FIRST FLOOR UNIT A FIRE PROTECTION
FP2.2	FIRST FLOOR UNIT B FIRE PROTECTION
FP2.3	FIRST FLOOR UNIT C FIRE PROTECTION
FP2.4	FIRST FLOOR UNIT D FIRE PROTECTION
FP2.5	FIRST FLOOR UNIT E FIRE PROTECTION

DRAWING LIST - VOLUME TWO	
SHEET NO.	SHEET NAME
ELECTRICAL	
E0.0	SYMBOL SCHEDULE
E1.1	ELECTRICAL DEMOLITION
E1.2	ENLARGED DEMO PLAN
E2.0	SITE PLAN - LIGHTING
E2.0A	SITE PLAN - LIGHTING PHOTOMETRICS
E2.1	FIRST FLOOR UNIT A LIGHTING
E2.2	FIRST FLOOR UNIT B LIGHTING
E2.3	FIRST FLOOR AREA C LIGHTING
E2.4	FIRST FLOOR UNIT D LIGHTING
E2.5	FIRST FLOOR UNIT E LIGHTING
E3.0	SITE PLAN - POWER
E3.1	FIRST FLOOR UNIT A POWER
E3.2	FIRST FLOOR UNIT B POWER
E3.3	FIRST FLOOR UNIT C POWER
E3.4	FIRST FLOOR UNIT D POWER
E3.5	FIRST FLOOR UNIT E POWER
E3.6	ROOF ELECTRICAL
E4.1	PARTIAL PLANS
E4.2	ENLARGED PLANS
E5.1	FIRST FLOOR FIRE ALARM AND CELLULAR EXTENSION
E6.1	FIRST FLOOR CLOCKS & SPEAKERS
E7.1	FIRST FLOOR SECURITY
E8.1	EXISTING POWER RISER & MISC. SCHEDULES
E8.2	POWER RISER
E8.3	TELECOM RISER
E8.4	PHOTOVOLTAIC
E9.1	ELECTRICAL DETAILS
E9.2	ELECTRICAL DETAILS
E9.3	ELECTRICAL DETAILS
E9.4	ELECTRICAL DETAILS
E9.5	ELECTRICAL DETAILS
E9.6	ELECTRICAL DETAILS
E9.7	ELECTRICAL DETAILS
E10.1	ALTERNATE - OAKMONT DAO RENOVATION



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES IS AN EQUAL OPPORTUNITY EMPLOYER AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THIS MATERIAL HEREIN OR SUBSTITUTION THEREOF WITHOUT THE WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC. 2024



REVISIONS

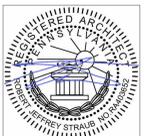
NO.	DATE	BY	DESCRIPTION OF CHANGES

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
 401 EAST WINDING HILL ROAD
 MECHANICSBURG PA 17055
 717-458-0272

TOWSON, MARYLAND
 CHARLOTTEVILLE, VIRGINIA
 WHITE SULPHUR SPRINGS, WEST VIRGINIA

www.cra-architects.com

ADDITIONS AND RENOVATIONS TO
 COOPERTOWN ELEMENTARY SCHOOL
 SCHOOL DISTRICT OF HAVERFORD TOWNSHIP
 800 COOPERTOWN ROAD
 BRYN MAWR, PA. 19010



DRAWING LIST
 PLOT SCALE
 FILENAME
 DATE: MARCH 10, 2025

PROJECT
 3758
CS.2

