

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
<http://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	
PH1.1	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	
14.1	OVERALL FIRST FLOOR PLAN - CASEWORK & EQUIPMENT
14.2	LARGE SCALE LAYOUTS - KINDERGARTEN
14.3	LARGE SCALE LAYOUTS - FIRST GRADE
14.3S	INTERIOR ELEVATIONS - FIRST GRADE & DETAILS
14.4	LARGE SCALE LAYOUTS - SECOND GRADE
14.5	LARGE SCALE LAYOUTS - THIRD GRADE
14.6	LARGE SCALE LAYOUTS - FOURTH GRADE
14.7	LARGE SCALE LAYOUTS - FIFTH GRADE
14.8	LARGE SCALE LAYOUTS - SPECIAL EDUCATION
14.9	LARGE SCALE LAYOUTS - SUPPORT SPACES
14.9S	INTERIOR ELEVATIONS - SUPPORT SPACES
14.10	LARGE SCALE LAYOUTS - AUTISTIC SUPPORT
14.11	LARGE SCALE LAYOUTS - ART
14.12	LARGE SCALE LAYOUTS - MUSIC
14.13	LARGE SCALE LAYOUTS - MEDIA CENTER
14.13S	INTERIOR ELEVATIONS - MEDIA CENTER, COLOR
14.14	LARGE SCALE LAYOUTS - ADMINISTRATION, COUNSELING & NURSE
14.14S	INTERIOR ELEVATIONS - ADMINISTRATION, COUNSELING & NURSE
14.15	LARGE SCALE LAYOUTS - COLLABORATION, SGI & FACULTY SPACES
14.16	LARGE SCALE LAYOUTS - CAFETERIA
14.17	LARGE SCALE LAYOUTS - PARTIAL DISTRICT ADMINISTRATION OFFICE - ALTERNATE, COLOR
14.18	AREA A - EXISTING & REUSED CORIAN TOP LOCATIONS
14.19	AREA C - EXISTING & REUSED CORIAN TOP LOCATIONS
17.1	OVERALL FIRST FLOOR - FLOOR PATTERNS, COLOR
17.2	FIRST FLOOR - UNIT A, FLOOR PATTERN, COLOR
17.3	FIRST FLOOR - UNIT B, FLOOR PATTERN, COLOR
17.4	FIRST FLOOR - UNIT C, FLOOR PATTERN, COLOR
17.5	FIRST FLOOR - UNIT D, FLOOR PATTERN, COLOR
17.6	FIRST FLOOR - UNIT E, FLOOR PATTERN, COLOR
17.7	OVERALL FIRST FLOOR PLAN - MATERIAL LOCATIONS, COLOR
17.8	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 RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREO. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT 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

[illegible]

		CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS 401 EAST WINDING HILL ROAD MECHANICSBURG PA 17055 717-458-0272	
			
DRAWING LIST		PROJECT	
PLOT SCALE:		3758	
FILENAME:		CS.2	
DATE: MARCH 10, 2025			

