RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

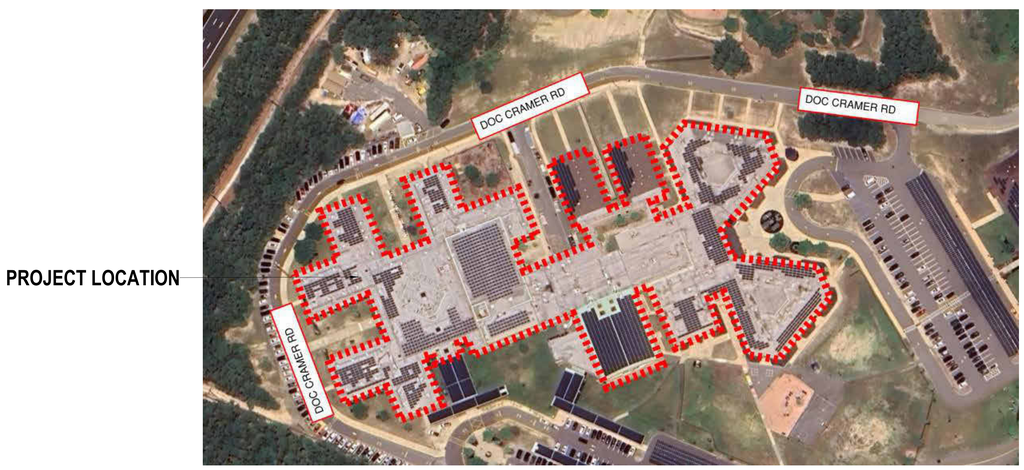
FOR

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET, MANAHAWKIN, NJ 08050



AREA MAP
NTS



VICINITY MAP
NTS

SUPERINTENDENT: GEORGE CHIDIAC
BUSINESS ADMINISTRATOR: LOURDES LAGUARDIA

DOE STATE PROJECT NUMBER(S): 5020-070-24-2000
5020-060-24-1000

SPIEZLE ARCHITECTURAL GROUP, INC
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PEAK ENGINEERING
M / E / P ENGINEERS

HARRISON-HAMNETT, P.C.
CONSULTING STRUCTURAL ENGINEERS

BID SET
10/15/2026

DRAWING TITLE:
COVER

COMMISSION NUMBER:
24K067

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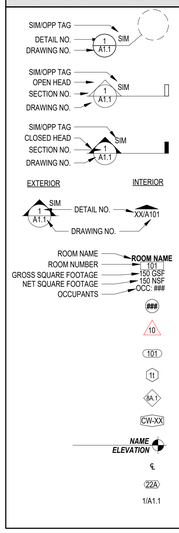
DRAWING NUMBER:
G.1

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MATERIAL SYMBOLS

- BATT / MINERAL WOOL INSULATION
- BRICK
- CONCRETE
- CONCRETE MASONRY UNIT (CMU)
- EARTH
- FIRE SAFING
- GYPSUM WALL AND/OR CEILING BOARD
- MORTAR NET
- MORTAR / GROUT
- PLYWOOD
- POROUS FILL or SUB-SLAB AGGREGATE
- RIGID INSULATION
- SPRAY FOAM INSULATION
- STEEL
- STONE
- CONTINUOUS WOOD BLOCKING
- WOOD SHIM OR BLOCKING

DRAWING SYMBOLS



- DETAIL IDENTIFICATION
- BUILDING SECTION IDENTIFICATION
- WALL SECTION IDENTIFICATION
- ELEVATION MARKS
- ROOM TAG
- COLUMN NUMBER
- REVISION NUMBER
- DOOR NUMBER
- WINDOW TYPE
- PARTITION TYPE
- CURTAIN WALL or STOREFRONT TAG
- DATUM or ELEVATION MARK
- CENTERLINE
- TOILET ACCESSORY TAG
- VIEW REFERENCE

ABBREVIATIONS

CJ	CONTROL JOINT
CMU	CONCRETE MASONRY UNIT
CFMF	COLD FORMED METAL FRAMING
DN	DOWN
DWG	DRAWING
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EL	ELEVATION
EQ	EQUAL
EJ	EXPANSION JOINT
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER (BRACKET MOUNTED)
FEC	FIRE EXTINGUISHER CABINET
FT	FOOT or FEET
FRTW	FIRE RETARDANT TREATED WOOD
GALV	GALVANIZED
GSF	GROSS SQUARE FEET
GWB	GYPSUM WALL BOARD
HM	HOLLOW METAL
HP	HIGH POINT
LP	LOW POINT
MAX	MAXIMUM
MIN	MINIMUM
MO	MASONRY OPENING
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NSF	NET SQUARE FEET
OC	ON CENTER
OD	OVERFLOW DRAIN OR OUTSIDE DIAMETER
PTD	PAINT or PAINTED
PTW	PRESSURE TREATED WOOD
PVC	POLYVINYL CHLORIDE
RD	ROOF DRAIN
REINF	REINFORCED OR REINFORCING
RWC	RAIN WATER CONDUCTOR
SF	SQUARE FEET
TOS	TOP OF STEEL
TYP	TYPICAL
VIF	VERIFY IN FIELD

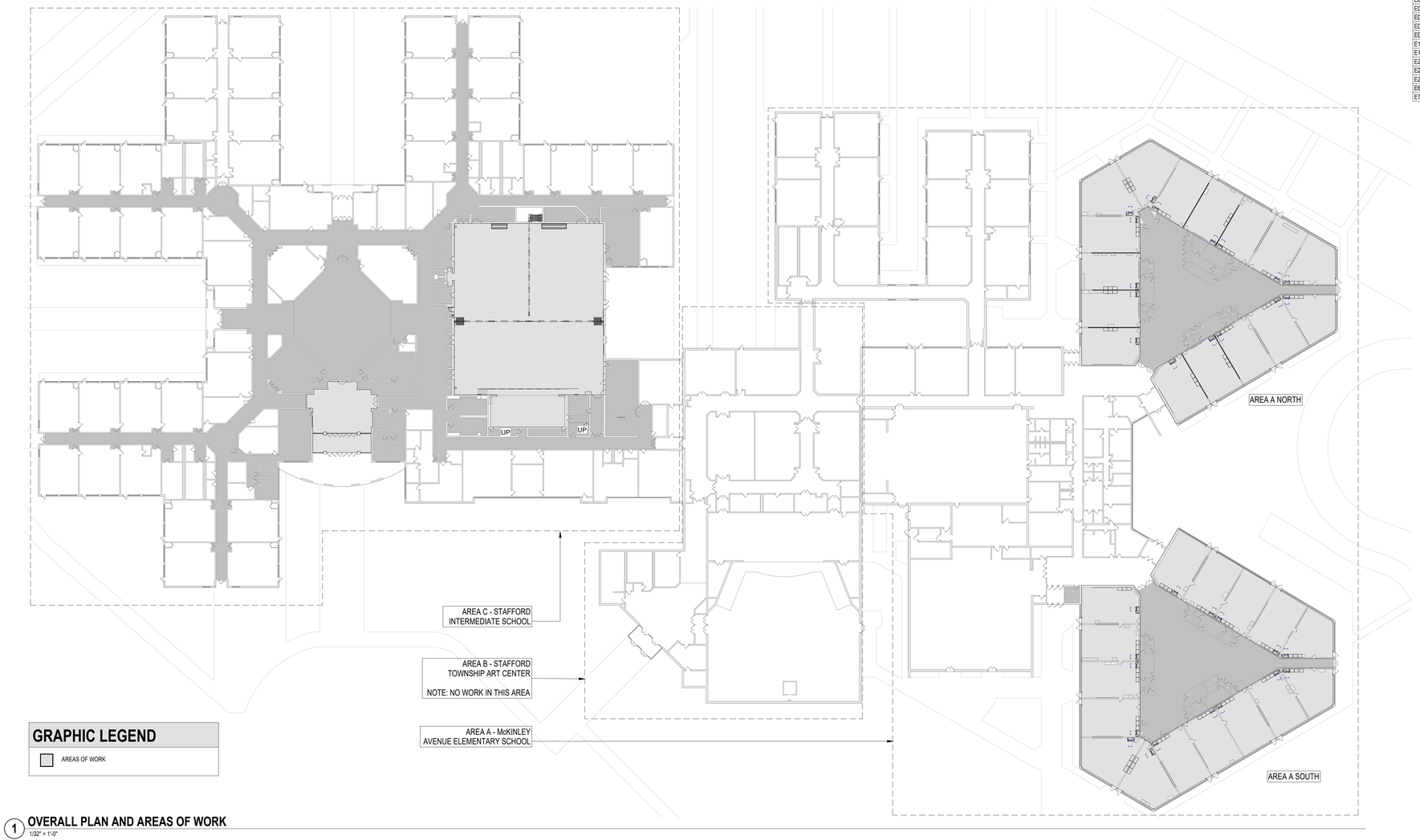
SCOPE OF WORK SUMMARY

STAFFORD INTERMEDIATE SCHOOL (AREA C)
REPLACE FLOORING IN ENTRY LOBBY EL01
REPLACE FLOORING IN GYMNASIUM 80 / CAFETERIA 81
REPLACE FOLDING PARTITION IN GYMNASIUM 80 / CAFETERIA 81
REPLACE FLOORING IN STAGE 78
CONCRETE SLAB POUR IN GYMNASIUM 80 / CAFETERIA 81

McKINLEY AVENUE ELEMENTARY SCHOOL (AREA A)
REPLACE SINKS IN MULTIPLE CLASSROOMS
REPLACE FOLDING PARTITION WITH PERMANENT PARTITION IN MULTIPLE CLASSROOMS
INSTALL CASEWORK IN MULTIPLE CLASSROOMS
REPLACE CASEWORK IN MULTIPLE CLASSROOMS
REPLACE FLOORING, CEILING AND LIGHTING IN MULTIPLE CLASSROOMS

LIST OF DRAWINGS

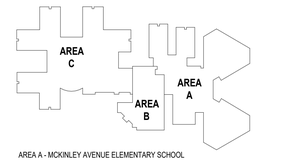
DWG. NO.	TITLE	CURRENT REVISION
GENERAL		
G.1	COVER	
G.2	NOTES, ABBREVIATIONS AND LIST OF DRAWINGS	
LIFE SAFETY PLANS		
LS.1	LIFE SAFETY PLAN - AREA A	
LS.2	LIFE SAFETY PLAN - AREA C	
LS.3	PARTIAL EGRESS PLAN - AREA C	
ARCHITECTURAL		
AD1.1	DEMOLITION PLAN - AREA A NORTH	
AD1.2	DEMOLITION PLAN - AREA A SOUTH	
AD1.3	DEMOLITION PLANS - AREA C	
A1.1	FLOOR PLAN - AREA A NORTH	
A1.2	FLOOR PLAN - AREA A SOUTH	
A1.3	FLOOR PLAN - AREA C	
A4.1	REFLECTED CEILING PLAN - AREA A NORTH	
A4.2	REFLECTED CEILING PLAN - AREA A SOUTH	
A6.1	WALL SECTIONS AND DETAILS	
A8.1	CASEWORK PLAN AND DETAILS - AREA A NORTH	
A8.2	CASEWORK PLAN AND DETAILS - AREA A SOUTH	
A9.0	FINISH LEGEND AND DETAILS	
A9.1	FINISH PLAN - AREA A NORTH	
A9.2	FINISH PLAN - AREA A SOUTH	
A9.3	FINISH PLANS AND ELEVATION - AREA C	
A10.1	OPERABLE PARTITION PLAN AND DETAILS	
A10.2	DOOR AND OPERABLE PARTITION PLAN, DETAILS, AND SCHEDULES	
STRUCTURAL		
S1.1	SLAB-ON-GRADE FLOOR PLAN- AREA C	
MECHANICAL		
M0.0	MECHANICAL SPECIFICATIONS & LEGEND	
MD1.1	MECHANICAL DEMOLITION PLAN - AREA A	
MD1.2	MECHANICAL DEMOLITION PLAN - AREA A NORTH	
MD1.3	MECHANICAL DEMOLITION PLAN - AREA A SOUTH	
M1.1	MECHANICAL PLAN - AREA A	
M1.2	MECHANICAL PLAN - AREA A NORTH	
M1.3	MECHANICAL PLAN - AREA A SOUTH	
M5.1	DETAILS AND SCHEDULES	
PLUMBING		
P0.0	PLUMBING SPECIFICATIONS & LEGEND	
PD1.1	PLUMBING DEMOLITION PLAN - AREA A	
PD1.2	PLUMBING DEMOLITION PLAN - AREA A NORTH	
PD1.3	PLUMBING DEMOLITION PLAN - AREA A SOUTH	
P1.1	PLUMBING PLAN - AREA A	
P1.2	PLUMBING PLAN - AREA A NORTH	
P1.3	PLUMBING PLAN - AREA A SOUTH	
ELECTRICAL		
E0.0	ELECTRICAL COVER SHEET	
ED1.1	DEMOLITION POWER PLAN - AREA C	
ED1.2	DEMOLITION POWER PLAN - AREA A NORTH	
ED1.3	DEMOLITION POWER PLAN - AREA A SOUTH	
ED2.1	DEMOLITION LIGHTING PLAN - AREA C	
ED2.2	DEMOLITION LIGHTING PLAN - AREA A NORTH	
ED2.3	DEMOLITION LIGHTING PLAN - AREA A SOUTH	
E1.1	POWER PLAN - AREA C	
E1.2	POWER PLAN - AREA A NORTH	
E2.1	LIGHTING PLAN - AREA C	
E2.2	LIGHTING PLAN - AREA A NORTH	
E2.3	LIGHTING PLAN - AREA A SOUTH	
E6.0	LIGHTING FIXTURE SCHEDULE	
E7.0	PARTIAL EXISTING RISER DIAGRAM	



GRAPHIC LEGEND

- AREAS OF WORK

1 **OVERALL PLAN AND AREAS OF WORK**
1/32" = 1'-0"



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
1385 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
PHONE: 866-974-7666

SIGNATURE:

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STEVEN LEONE	21A001170100
STEVEN D. SIEGEL	21A001584200
JOHN F. WRIGHT	21A001784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC000630000

SEAL:

CONSULTANTS:

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE
1		

FOR BID: 10/15/2026

DRAWING TITLE:

NOTES, ABBREVIATIONS AND LIST OF DRAWINGS

COMMISSION NUMBER:

24K067

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DRAWING NUMBER:

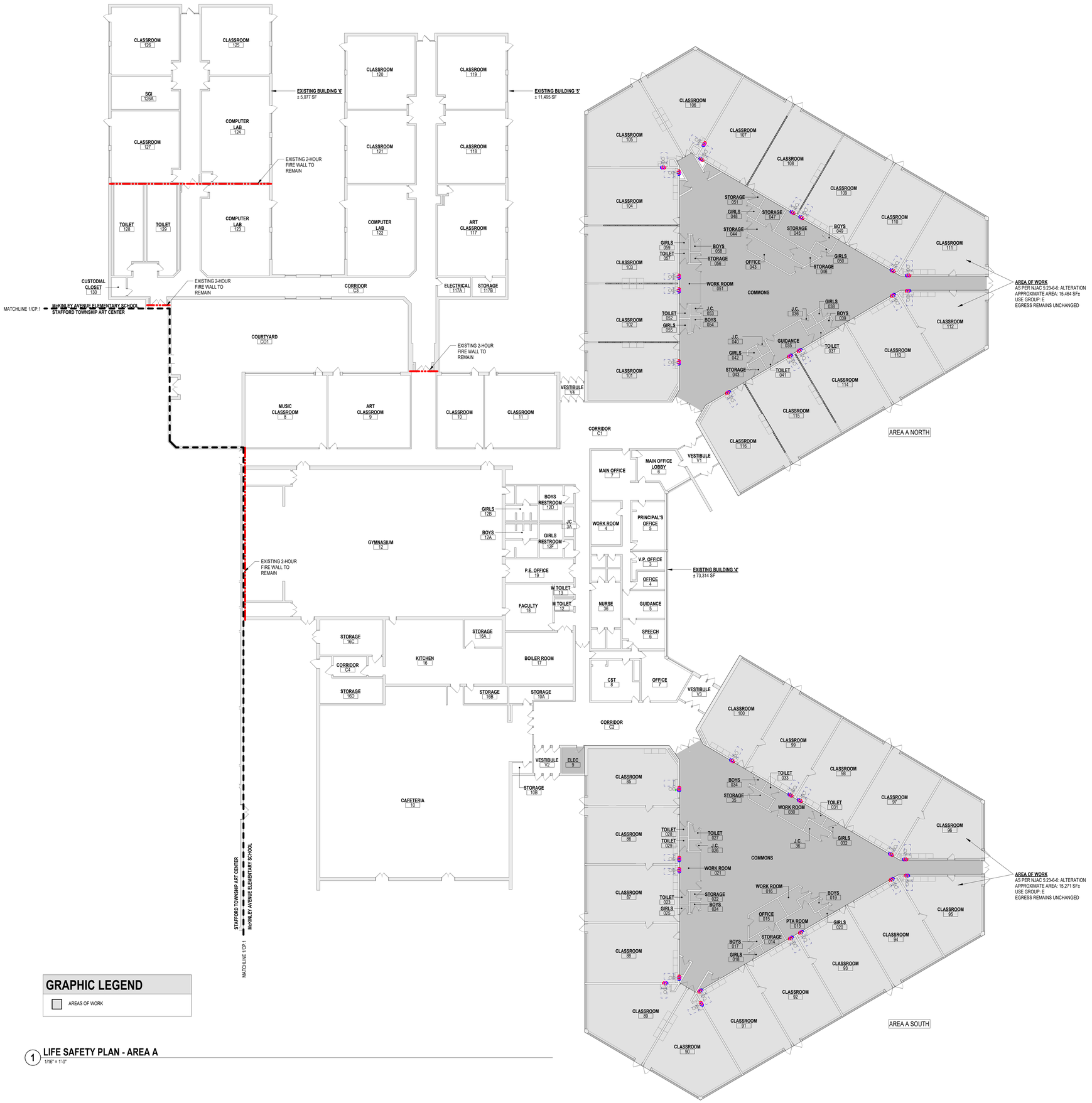
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GRAPHIC LEGEND

AREAS OF WORK

1 **LIFE SAFETY PLAN - AREA A**
1/16" = 1'-0"

APPLICABLE CODES (NJ)

1. BUILDING SUBCODE (NJAC 5:23-3.14)
2. INTERNATIONAL BUILDING CODE - 2021 NEW JERSEY EDITION
3. NATIONAL STANDARD PLUMBING CODE - 2021
4. NATIONAL ELECTRICAL CODE (NFPA 70) - 2020
5. ENERGY SUBCODE - ASHRAE 90.1-2019
6. INTERNATIONAL MECHANICAL CODE - 2021
7. INTERNATIONAL FUEL GAS CODE - 2021
8. REHABILITATION SUBCODE - NJUCC, SUBCHAPTER 6
9. BARRIER FREE SUBCODE, ICC/ANSI A117.1-2017
10. ELEVATOR SUBCODE - N.J.A.C. 5:23-12

LIFE SAFETY PLAN LEGEND

	1 HOUR FIRE PARTITION
	2 HOUR FIRE WALL
FEC	FIRE EXTINGUISHER CABINET
FE	FIRE EXTINGUISHER
X = XX'	MAXIMUM EXIT ACCESS TRAVEL DISTANCE
ACTUAL EGRESS LOAD 122 / EGRESS CAPACITY 360	DOOR EGRESS CAPACITY TAG
ACTUAL EGRESS LOAD 123 / EGRESS CAPACITY 360	STAIR EGRESS CAPACITY TAG

NOTE:

INCLUSION IN LEGEND DOES NOT IMPLY SCOPE. NOT ALL SYMBOLS MAY BE USED.

MAXIMUM OCCUPANT LOAD AS SHOWN IS USED FOR EGRESS CALCULATIONS ONLY.

EGRESS CAPACITY IS BASED ON CLEAR WIDTH OF DOORS MINUS 3" FOR SINGLE DOOR, 6" FOR DOUBLE DOOR.

SCOPE OF WORK

McKINLEY AVENUE ELEMENTARY SCHOOL
REPLACE SINKS IN MULTIPLE CLASSROOMS
REPLACE FOLDING PARTITION WITH PERMANENT PARTITION IN MULTIPLE CLASSROOMS
INSTALL CASEWORK IN MULTIPLE CLASSROOMS
REPLACE CASEWORK IN MULTIPLE CLASSROOMS
REPLACE FLOORING, CEILINGS, AND LIGHTING IN MULTIPLE CLASSROOMS

BUILDING AREA DESIGNATION

INTERNATIONAL BUILDING CODE

CHAPTER 3 - OCCUPANCY CLASSIFICATION AND USE

302 EXISTING USE GROUP CLASSIFICATION (E) EDUCATIONAL

CHAPTER 4 - SPECIAL DETAILED REQUIREMENTS - EXISTING

THE EXISTING BUILDING CONSISTS OF FOUR (4) SEPARATE BUILDINGS BY THE USE OF FOUR (4) FIRE WALLS.

BUILDING 'I' - EXISTING

USE GROUP CLASSIFICATION (E) EDUCATIONAL

CONSTRUCTION TYPE (IIB) (NON-SPRINKLERED)

BUILDING 'J' - EXISTING

USE GROUP CLASSIFICATION (E) EDUCATIONAL

CONSTRUCTION TYPE (IIB) (NON-SPRINKLERED)

BUILDING '3' - EXISTING

USE GROUP CLASSIFICATION (E) EDUCATIONAL

CONSTRUCTION TYPE (IIB) (SPRINKLERED)

BUILDING '4' - EXISTING

USE GROUP CLASSIFICATION (E) EDUCATIONAL

CONSTRUCTION TYPE (IIB) (NON-SPRINKLERED)

BUILDING '5' - EXISTING

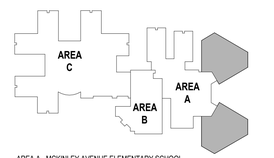
USE GROUP CLASSIFICATION (E) EDUCATIONAL

CONSTRUCTION TYPE (IIB) (NON-SPRINKLERED)

BUILDING '6' - EXISTING

USE GROUP CLASSIFICATION (E) EDUCATIONAL

CONSTRUCTION TYPE (IIB) (NON-SPRINKLERED)



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH / TRUE NORTH

CODE REVIEW:

CERTIFICATE:

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1385 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
PHONE: 866-974-7666

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JOHN F. WRIGHT	21AI01784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC00063000

SEAL:

CONSULTANTS:

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE
2		

FOR BID: 10/15/2026

DRAWING TITLE:

LIFE SAFETY PLAN - AREA A

COMMISSION NUMBER:

24K067

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DRAWING NUMBER:

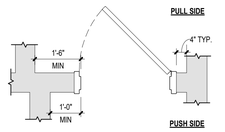
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KEYPLAN
N.T.S.



2 DOOR SWING DIAGRAM
1/2" = 1'-0"

APPLICABLE CODES (NJ)

1. BUILDING SUBCODE (NJAC 5:23-3.14)
2. INTERNATIONAL BUILDING CODE - 2021 NEW JERSEY EDITION
3. NATIONAL STANDARD PLUMBING CODE - 2021
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5. ENERGY SUBCODE - ASHRAE 90.1-2019
6. INTERNATIONAL MECHANICAL CODE - 2021
7. INTERNATIONAL FUEL GAS CODE - 2021
8. REHABILITATION SUBCODE - NJUCC, SUBCHAPTER 6
9. BARRIER FREE SUBCODE, ICC/ANSI A117.1-2017
10. ELEVATOR SUBCODE - N.J.A.C. 5:23-12

LIFE SAFETY PLAN LEGEND

	1 HOUR FIRE PARTITION
	2 HOUR FIRE WALL
FEC	FIRE EXTINGUISHER CABINET
FE	FIRE EXTINGUISHER
X = XX'	MAXIMUM EXIT ACCESS TRAVEL DISTANCE
ACTUAL EGRESS LOAD / EGRESS CAPACITY 123 / 360	DOOR EGRESS CAPACITY TAG
ACTUAL EGRESS LOAD / EGRESS CAPACITY 123 / 360	STAIR EGRESS CAPACITY TAG

NOTE:

INCLUSION IN LEGEND DOES NOT IMPLY SCOPE. NOT ALL SYMBOLS MAY BE USED.

MAXIMUM OCCUPANT LOAD AS SHOWN IS USED FOR EGRESS CALCULATIONS ONLY.

EGRESS CAPACITY IS BASED ON CLEAR WIDTH OF DOORS MINUS 3" FOR SINGLE DOOR, 6" FOR DOUBLE DOOR.

SCOPE OF WORK

STAFFORD INTERMEDIATE SCHOOL
REPLACE FLOORING IN ENTRY LOBBY EL01
REPLACE FLOORING IN GYMNASIUM 80 / CAFETERIA 81
REPLACE FOLDING PARTITION IN GYMNASIUM 80 / CAFETERIA 81
REPLACE FLOORING IN STAGE 78

BUILDING AREA DESIGNATION

INTERNATIONAL BUILDING CODE

CHAPTER 3 - OCCUPANCY CLASSIFICATION AND USE		
302	EXISTING USE GROUP CLASSIFICATION	(E) EDUCATIONAL
CHAPTER 4 - SPECIAL DETAILED REQUIREMENTS - EXISTING		
	THE EXISTING BUILDING CONSISTS OF FOUR (4) SEPARATE BUILDINGS BY THE USE OF FOUR (4) FIRE WALLS.	
BUILDING '1' - EXISTING		
	USE GROUP CLASSIFICATION	(E) EDUCATIONAL
	CONSTRUCTION TYPE	(IIB) (NON-SPRINKLERED)
BUILDING '2' - EXISTING		
	USE GROUP CLASSIFICATION	(E) EDUCATIONAL
	CONSTRUCTION TYPE	(IIB) (NON-SPRINKLERED)
BUILDING '3' - EXISTING		
	USE GROUP CLASSIFICATION	(E) EDUCATIONAL
	CONSTRUCTION TYPE	(IIB) (SPRINKLERED)
BUILDING '4' - EXISTING		
	USE GROUP CLASSIFICATION	(E) EDUCATIONAL
	CONSTRUCTION TYPE	(IIB) (NON-SPRINKLERED)
BUILDING '5' - EXISTING		
	USE GROUP CLASSIFICATION	(E) EDUCATIONAL
	CONSTRUCTION TYPE	(IIB) (NON-SPRINKLERED)
BUILDING '6' - EXISTING		
	USE GROUP CLASSIFICATION	(E) EDUCATIONAL
	CONSTRUCTION TYPE	(IIB) (NON-SPRINKLERED)

GRAPHIC LEGEND

AREAS OF WORK

1 LIFE SAFETY PLAN - AREA C
1/16" = 1'-0"

CODE REVIEW:

CERTIFICATE:

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1385 YARDVILLE HAMILTON SQUARE ROAD
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HAMILTON, NJ 08691
PHONE: 866-974-7666

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SCOTT E. DOWNIE	21A001674400
STEVEN LEONE	21A001170100
STEVEN G. SIEGEL	21A001984200
JOHN F. WRIGHT	21A001784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC000503000

SEAL:

CONSULTANTS:

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

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McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET, MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE
2		

FOR BID: 10/15/2026

DRAWING TITLE:

LIFE SAFETY PLAN - AREA C

COMMISSION NUMBER:

24K067

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DRAWING NUMBER:

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1 PARTIAL EGRESS PLAN - AREA C

1/8" = 1'-0"

APPLICABLE CODES (NJ)

1. BUILDING SUBCODE (NJAC 5:23-3.14)
2. INTERNATIONAL BUILDING CODE - 2021 NEW JERSEY EDITION
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7. INTERNATIONAL FUEL GAS CODE - 2021
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9. BARRIER FREE SUBCODE, ICC/ANSI A117.1-2017
10. ELEVATOR SUBCODE - N.J.A.C. 5:23-12

LIFE SAFETY PLAN LEGEND

	1 HOUR FIRE PARTITION
	2 HOUR FIRE WALL
FEC	FIRE EXTINGUISHER CABINET
FE	FIRE EXTINGUISHER
X = XX'	MAXIMUM EXIT ACCESS TRAVEL DISTANCE
ACTUAL EGRESS LOAD / EGRESS CAPACITY — 123 / 360	DOOR EGRESS CAPACITY TAG
ACTUAL EGRESS LOAD / EGRESS CAPACITY — 123 / 360	STAIR EGRESS CAPACITY TAG

NOTE:

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MAXIMUM OCCUPANT LOAD AS SHOWN IS USED FOR EGRESS CALCULATIONS ONLY.

EGRESS CAPACITY IS BASED ON CLEAR WIDTH OF DOORS MINUS 3" FOR SINGLE DOOR, 6" FOR DOUBLE DOOR.

SCOPE OF WORK

STAFFORD INTERMEDIATE SCHOOL
REPLACE FLOORING IN ENTRY LOBBY EL01
REPLACE FLOORING IN GYMNASIUM 80 / CAFETERIA 81
REPLACE FOLDING PARTITION IN GYMNASIUM 80 / CAFETERIA 81
REPLACE FLOORING IN STAGE 78

BUILDING AREA DESIGNATION

INTERNATIONAL BUILDING CODE

CHAPTER 3 - OCCUPANCY CLASSIFICATION AND USE

302 EXISTING USE GROUP CLASSIFICATION (E) EDUCATIONAL

CHAPTER 4 - SPECIAL DETAILED REQUIREMENTS - EXISTING

THE EXISTING BUILDING CONSISTS OF FOUR (4) SEPARATE BUILDINGS BY THE USE OF FOUR (4) FIRE WALLS.

BUILDING "1" - EXISTING

USE GROUP CLASSIFICATION (E) EDUCATIONAL
CONSTRUCTION TYPE (IIB) (NON-SPRINKLERED)

BUILDING "2" - EXISTING

USE GROUP CLASSIFICATION (E) EDUCATIONAL
CONSTRUCTION TYPE (IIB) (NON-SPRINKLERED)

BUILDING "3" - EXISTING

USE GROUP CLASSIFICATION (E) EDUCATIONAL
CONSTRUCTION TYPE (IIB) (SPRINKLERED)

BUILDING "4" - EXISTING

USE GROUP CLASSIFICATION (E) EDUCATIONAL
CONSTRUCTION TYPE (IIB) (NON-SPRINKLERED)

BUILDING "5" - EXISTING

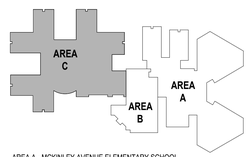
USE GROUP CLASSIFICATION (E) EDUCATIONAL
CONSTRUCTION TYPE (IIB) (NON-SPRINKLERED)

BUILDING "6" - EXISTING

USE GROUP CLASSIFICATION (E) EDUCATIONAL
CONSTRUCTION TYPE (IIB) (NON-SPRINKLERED)

GRAPHIC LEGEND

AREAS OF WORK



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH / TRUE NORTH

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
1385 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
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SIGNATURE:

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STEVEN G. SIEGEL	21A01594200
JOHN F. WRIGHT	21A01784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC000300

SEAL:

CONSULTANTS:

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

#	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

PARTIAL EGRESS PLAN - AREA C

COMMISSION NUMBER:

24K067

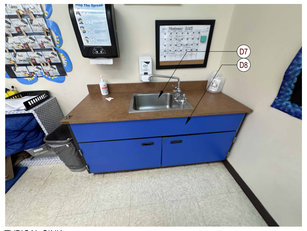
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

LS.3

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

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Autodesk Docs://24K067 - Stafford BOE - Renovations at Multiple Schools/24K067 - Stafford IS and McKinley ES_MCentral.rvt



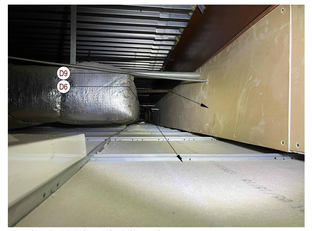
TYPICAL SINK

3 EXISTING PHOTO
1/8" = 1'-0"



TYPICAL PARTITION

4 EXISTING PHOTO
1/8" = 1'-0"



TYPICAL PARTITION ABOVE CEILING

5 EXISTING PHOTO
1/8" = 1'-0"



TYPICAL PARTITION ABOVE CEILING

6 EXISTING PHOTO
1/8" = 1'-0"



1 DEMOLITION PLAN - AREA A NORTH
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

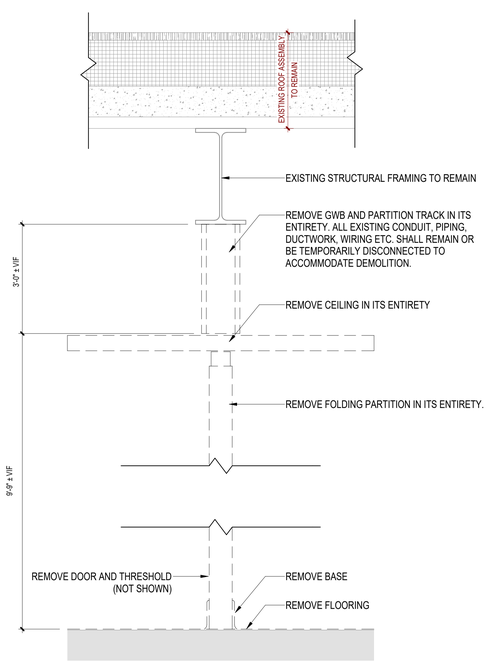
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DEMOLITION PLAN LEGEND

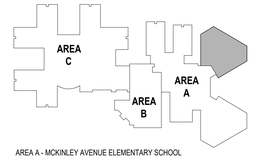
- EXISTING WALL TO REMAIN
- DEMOLISH WALL
- EXISTING DOOR TO REMAIN
- DEMOLISH DOOR / FIXTURE
- D/00 — DEMOLITION PHOTO REFERENCE

DEMOLITION KEYNOTE LEGEND

Key Value	Keynote Text
D5	REMOVE VCT FLOOR FINISHES AND BASE IN THEIR ENTIRETY DOWN TO SUBSTRATES. REMOVE AND SALVAGE DOOR THRESHOLDS TO ACCOMMODATE WORK.
D6	REMOVE EXISTING SUSPENDED CEILING SYSTEM IN ITS ENTIRETY INCLUDING LIGHTING FIXTURES. SAFE-OFF EXISTING CONDUITS WHERE SCHEDULED TO BE REUSED OTHERWISE TERMINATE CONDUIT AND WIRING BACK TO NEAREST PANEL.
D7	REMOVE EXISTING PLUMBING FIXTURES AS INDICATED. CAP PIPING FOR RECONNECTION WHERE INDICATED, OTHERWISE REMOVE BACK TO NEAREST VALVE OR CAP BELOW FINISHED SURFACES.
D8	REMOVE EXISTING CASEWORK IN ITS ENTIRETY. REMOVE EXISTING COUNTERTOP, BACKSPLASH, AND SIDE SPLASH. SALVAGE EXISTING SOAP AND PAPER TOWEL DISPENSER FOR REINSTALLATION.
D9	REMOVE EXISTING FOLDING PARTITION IN ITS ENTIRETY INCLUDING WALL TRACK ABOVE FINISHED CEILING. MAINTAIN OR TEMPORARILY DISCONNECT EXISTING CONDUIT, PIPING, DUCTWORK, WIRING ETC. THAT PENETRATES WALL TRACK TO ACCOMMODATE DEMOLITION AND RECONNECT IN LIKE NEW CONDITION. REMOVE EXISTING BASE, DOOR AND THRESHOLD IN ITS ENTIRETY. PROTECT PORTIONS OF PERMANENT PARTITION TO REMAIN.



2 PARTITION DEMOLITION DETAIL
1 1/2" = 1'-0"



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL

AREA B - STAFFORD TOWNSHIP ART CENTER

AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH / TRUE NORTH

CODE REVIEW:

CERTIFICATE:

spiezle

SPIEZLE ARCHITECTURAL GROUP INC.
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SUITE 2A
HAMILTON, NJ 08691
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SPIEZLE ARCHITECTURAL GROUP, INC.	21AC00063000

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STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
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DRAWING TITLE:

DEMOLITION PLAN - AREA A NORTH

COMMISSION NUMBER:

24K067

DO NOT SCALE THE DRAWINGS

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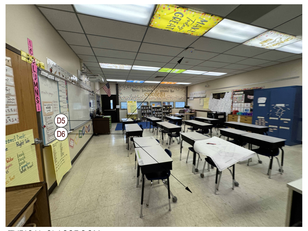
AD1.1

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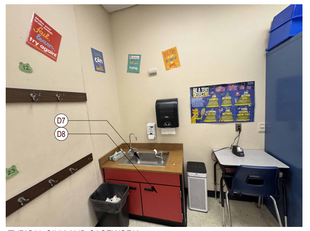
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Autodesk Docs://24K067 - Stafford BOE - Renovations at Multiple Schools/24K067 - Stafford IS and McKinley ES_MCentral.rvt



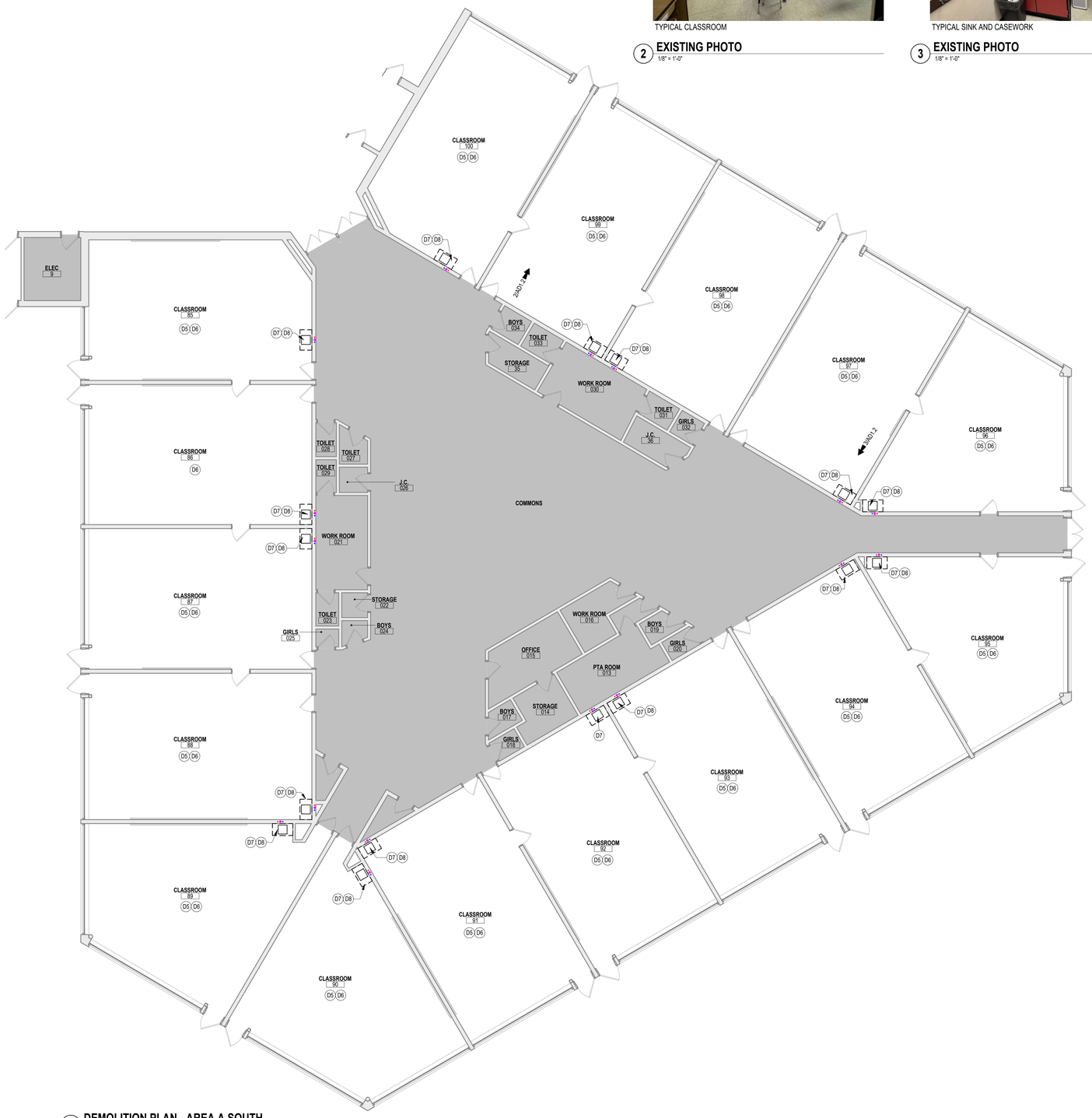
TYPICAL CLASSROOM

2 EXISTING PHOTO
1/8" = 1'-0"



TYPICAL SINK AND CASEWORK

3 EXISTING PHOTO
1/8" = 1'-0"



1 DEMOLITION PLAN - AREA A SOUTH
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

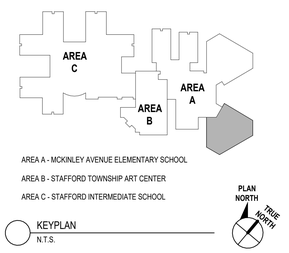
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DEMOLITION PLAN LEGEND

- EXISTING WALL TO REMAIN
- DEMOLISH WALL
- EXISTING DOOR TO REMAIN
- DEMOLISH DOOR / FIXTURE
- D/00 — DEMOLITION PHOTO REFERENCE

DEMOLITION KEYNOTE LEGEND

Key Value	Keynote Text
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AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

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STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

DEMOLITION PLAN - AREA A SOUTH

COMMISSION NUMBER:

24K067

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DRAWING NUMBER:

AD1.2

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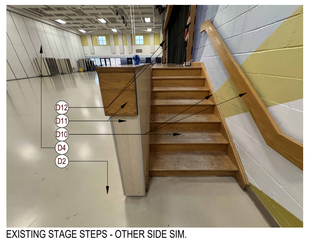
EXISTING STAGE APRON AND SURROUND

3 EXISTING PHOTO
1/8" = 1'-0"



EXISTING MANUAL FOLDING PARTITION

4 EXISTING PHOTO
1/8" = 1'-0"



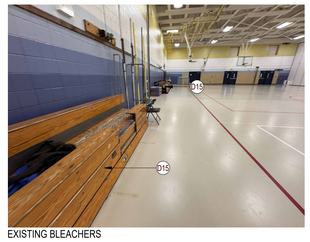
EXISTING STAGE STEPS - OTHER SIDE SIM.

5 EXISTING PHOTO
1/8" = 1'-0"



EXISTING MANUAL FOLDING PARTITION

6 EXISTING PHOTO
1/8" = 1'-0"



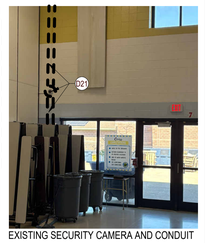
EXISTING BLEACHERS

7 EXISTING PHOTO
1/8" = 1'-0"



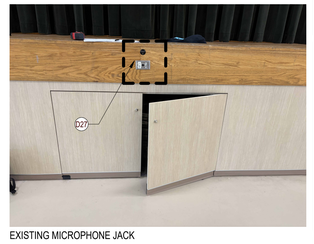
EXISTING WALL CONDITIONS

8 EXISTING PHOTO
1/8" = 1'-0"



EXISTING SECURITY CAMERA AND CONDUIT

9 EXISTING PHOTO
1/8" = 1'-0"



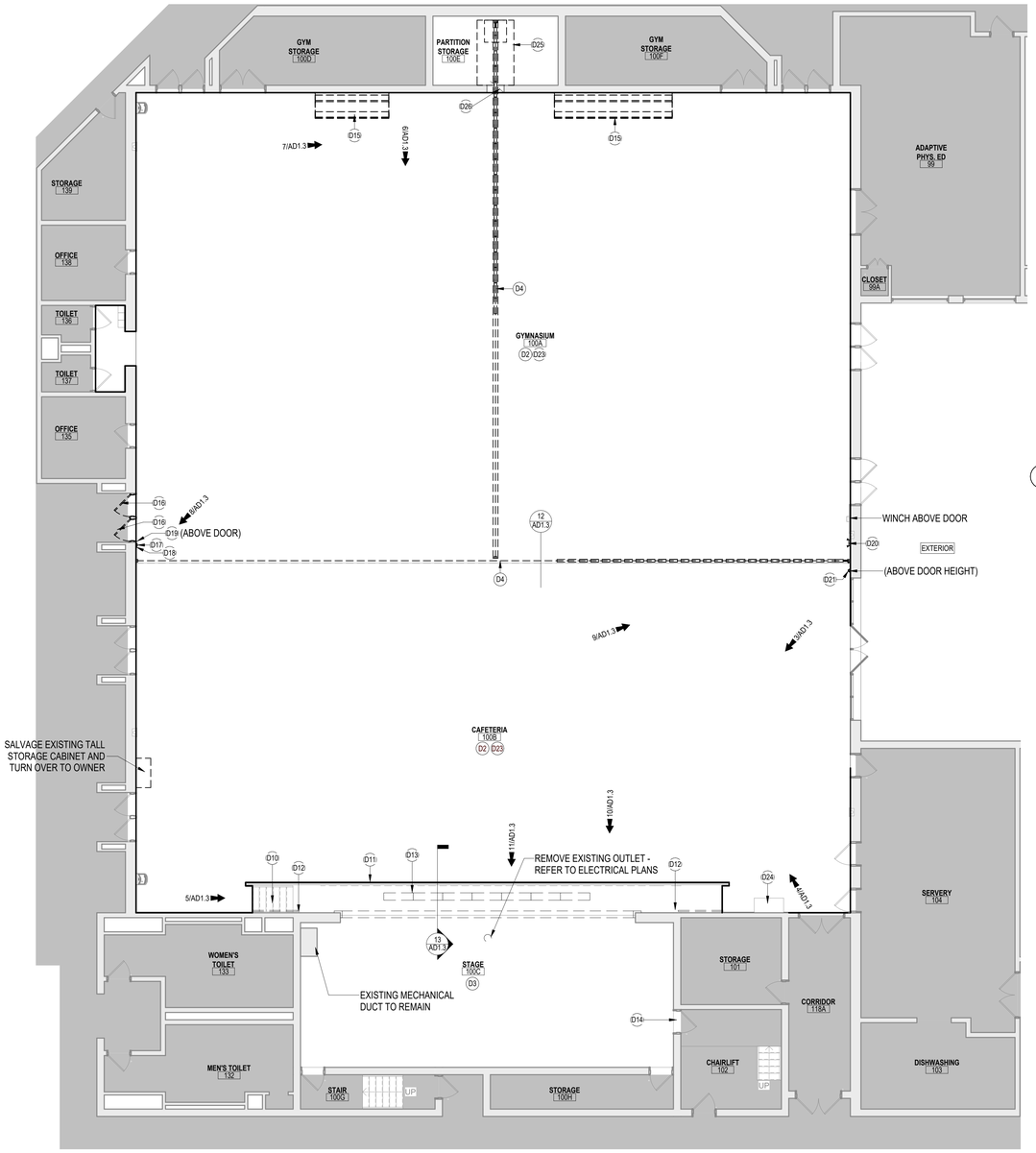
EXISTING MICROPHONE JACK

10 EXISTING PHOTO
1/8" = 1'-0"

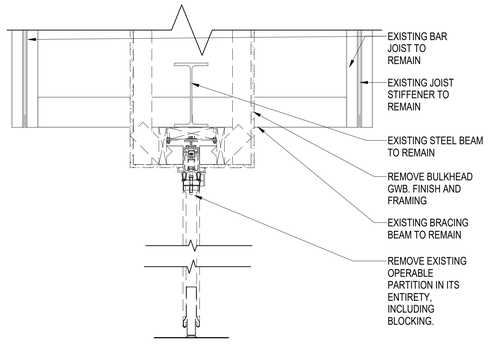


EXISTING METAL DECK AND COURSING

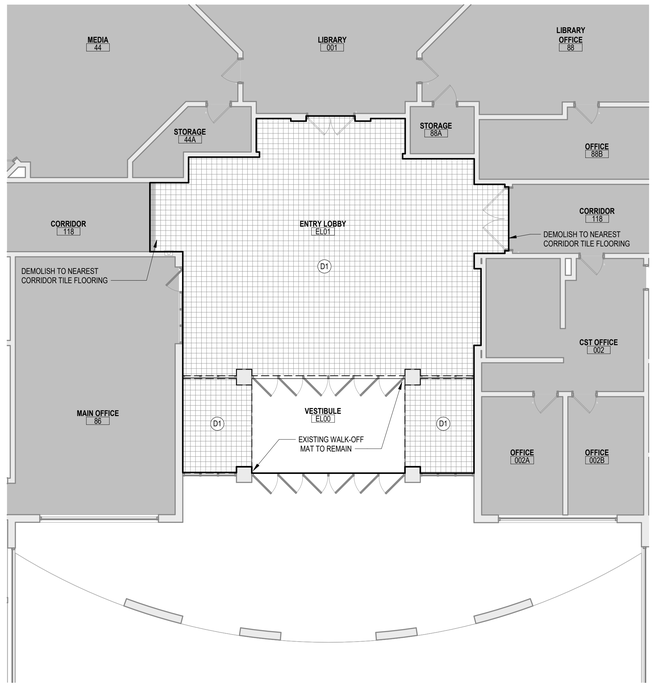
11 EXISTING PHOTO
1/8" = 1'-0"



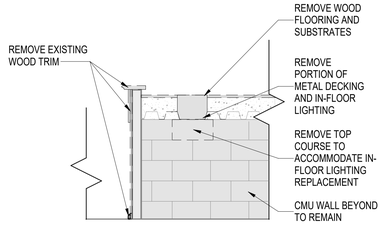
1 DEMOLITION PLAN - AREA C
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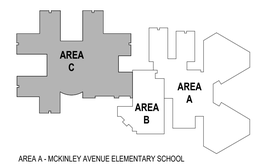
12 DEMOLITION OPERABLE PARTITION SECTION DETAIL
1" = 1'-0"



2 DEMOLITION PLAN - AREA C
1/8" = 1'-0"



13 STAGE DEMOLITION SECTION
1/2" = 1'-0"



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DEMOLITION PLAN LEGEND

- EXISTING WALL TO REMAIN
- DEMOLISH WALL
- EXISTING DOOR TO REMAIN
- DEMOLISH DOOR / FIXTURE
- D/00 — DEMOLITION PHOTO REFERENCE

DEMOLITION KEYNOTE LEGEND

Key Value	Keynote Text
D1	REMOVE EXISTING TILE FLOORING, MUD BED AND TILE BASE IN THEIR ENTIRETY DOWN TO THE EXISTING CONCRETE SLAB SUBSTRATE.
D2	REMOVE EXISTING RESILIENT ATHLETIC FLOOR FINISHES AND BASE IN THEIR ENTIRETY DOWN TO SUBSTRATES.
D3	REMOVE EXISTING WOOD FLOOR FINISHES, WOOD BASE, AND RESILIENT FLOORING IN THEIR ENTIRETY DOWN TO SUBSTRATES. TEMPORARILY SAFE-OFF ALL WIRING SCHEDULED TO BE REINSTALLED.
D4	REMOVE EXISTING FOLDING PARTITION IN ITS ENTIRETY.
D10	REMOVE EXISTING WOOD STEPS, STRINGERS AND TRIM REMOVE BACK TO SUBSTRATE. REMOVE EXISTING WOOD HANDRAIL.
D11	REMOVE EXISTING WOOD CAP AND PLAM SKIRTING OF STAGE APRON BACK TO SUBSTRATE.
D12	REMOVE EXISTING WOOD TRIM AT STAGE PROSCENIUM BACK TO SUBSTRATE. PROTECT EXISTING CURTAINS, DEVICES AND ACCESSORIES TO REMAIN.
D13	REMOVE EXISTING IN-FLOOR STAGE LIGHTING. REMOVE PORTION OF METAL DECK AND TOP COURSING AFFECTED BY THE DEMOLITION OF IN-FLOOR STAGE LIGHTING.
D14	REMOVE AND SALVAGE EXISTING DOOR THRESHOLD.
D15	REMOVE AND SALVAGE EXISTING BLEACHERS.
D16	REMOVE EXISTING DOOR, FRAME AND HARDWARE IN ITS ENTIRETY.
D17	REMOVE AND SALVAGE EXISTING FIRE PULL.
D18	REMOVE AND SALVAGE EXISTING LIGHTING CONTROLS.
D19	REMOVE AND SALVAGE EXISTING BASKETBALL BACKBOARD WINCH.
D20	REMOVE AND SALVAGE EXISTING EMERGENCY LIGHT.
D21	REMOVE AND SALVAGE SECURITY CAMERA AND CONDUIT.
D23	REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY.
D24	REMOVE EXISTING CASEWORK IN ITS ENTIRETY.
D25	REMOVE PARTITION TRACK IN ITS ENTIRETY.
D26	REMOVE PARTITION POCKET DOOR IN ITS ENTIRETY.

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
1385 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
PHONE: 866-974-7666

SIGNATURE:

THOMAS S. PERRINO	21A001505400
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STEVEN LEONE	21A001170100
STEVEN G. SIEGEL	21A001584200
JOHN F. WRIGHT	21A001784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC000300

SEAL:

CONSULTANTS:

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

DEMOLITION PLANS - AREA C

COMMISSION NUMBER:

24K067

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

AD1.3

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

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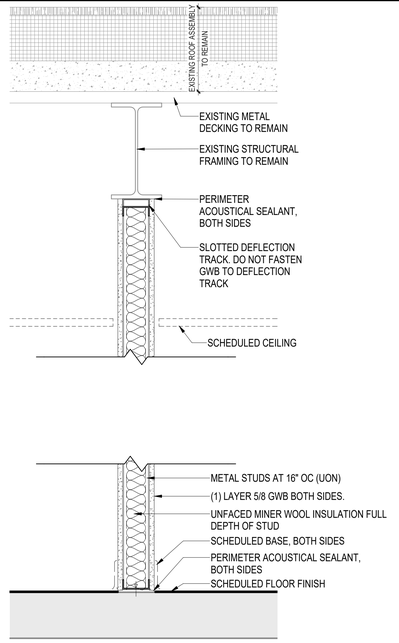
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Autodesk Docs://24K067 - Stafford BOE - Renovations at Multiple Schools/24K067 - Stafford IS and McKinley ES_MCentral.rvt



GENERAL NOTE: AT ALL AREAS OF REMOVED FLOORING, INSTALL SELF LEVELING CEMENTITIOUS UNDERLAYMENT ON EXISTING SUBSTRATES PRIOR TO INSTALLING NEW FINISH FLOORING. COORDINATE WITH DEMOLITION PLANS AND FINISH PLANS ON LOCATIONS OF FLOORING.

1 FLOOR PLAN - AREA A NORTH
1/8" = 1'-0"



2 TYPICAL PARTITION SECTION
1 1/2" = 1'-0"

PLAN LEGEND

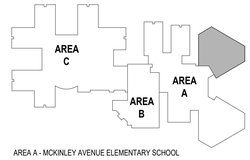
- METAL STUD WALL (SEE PARTITION TYPES)
- CMU WALL (SEE PARTITION TYPES)
- EXISTING WALL TO REMAIN
- DOOR
- EXISTING DOOR TO REMAIN

GENERAL NOTES

1. ELEVATION AT TOP OF FINISHED FLOOR SLAB SHALL BE REFERENCED AS DATUM ELEVATION 0'-0".
2. DO NOT SCALE THE DRAWINGS. IF A DIMENSION IS UNCLEAR OR A DISCREPANCY IS FOUND IT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
3. ALL DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO THE COMMENCEMENT OF WORK. WHERE FABRICATION IS REQUIRED, DIMENSIONS SHALL BE VERIFIED PRIOR TO THE PRODUCTION OF SHOP DRAWINGS.
4. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, STATUTES, AND REGULATIONS IN PERFORMANCE OF THE WORK.
5. REFER TO THE FIRE RESISTANCE DIRECTORY (LATEST EDITION) BY UNDERWRITER'S LABORATORIES FOR THE REQUIREMENTS OF ALL SPECIFIED FIRE RATED ASSEMBLIES.
6. DETAILS AND SECTIONS ON THE DRAWINGS ARE SHOWN AT SPECIFIC LOCATIONS AND ARE INTENDED TO SHOW GENERAL REQUIREMENTS THROUGHOUT. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED IN A SIMILAR MANNER OR BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION. MODIFICATIONS MAY BE REQUIRED BY THE CONTRACTOR TO ACCOMMODATE FOR MINOR VARIATIONS IN THE WORK.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND INSTALLATION OF OWNER SUPPLIED EQUIPMENT AS IDENTIFIED IN THE DRAWINGS AND SPECIFICATIONS, INCLUDING THE RELOCATION OF EXISTING EQUIPMENT.
8. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES AND COORDINATING WITH NEW WORK. ADVISE ARCHITECT/ENGINEER OF CONFLICTS PRIOR TO COMMENCEMENT OF WORK.
9. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE PROJECT AND SCHEDULING OF THE WORK CONDUCTED BY OTHER TRADES.
10. THE CONTRACTOR SHALL CONSTRUCT CHASES AND/OR RECESSES AS SHOWN, AND AS REQUIRED TO CONCEAL THE WORK OF OTHER TRADES AS DIRECTED BY THE ARCHITECT TO MATCH ADJACENT CONSTRUCTION, REGARDLESS IF SHOWN ON THE DRAWINGS.
11. THE CONTRACTOR SHALL INSTALL LOOSE LINTELS FOR ALL WALL PENETRATIONS WIDER THAN 6" AS A RESULT OF DUCT, PIPE OR OTHER EQUIPMENT INSTALLATIONS.
12. ALL WALL AND FLOOR PENETRATIONS SHALL BE PATCHED AND SEALED BY THEIR RESPECTIVE TRADES.
13. ALL FLOOR PENETRATIONS FOR PIPING AND CONDUIT SHALL BE SLEEVED AND SEALED.
14. PARTITIONS SHALL BE LAID OUT STARTING FROM CONDITIONS WHERE ALIGNMENT WITH EXISTING CONSTRUCTION IS SHOWN. UNLESS OTHERWISE NOTED, DIMENSIONS ARE TAKEN TO THE FACE OF WALLS/PARTITIONS.
15. DIMENSIONS TO MASONRY CONSTRUCTION ARE GIVEN TO THE NOMINAL FACE OF THE WALL. EXTERIOR MASONRY DIMENSIONS ARE TAKEN TO THE NOMINAL FACE OF THE WALL UNLESS OTHERWISE NOTED. CLEAR DIMENSIONS SHALL BE TAKEN FROM THE FINISHED FACE OF WALLS.
16. WALLS OVERLAPPING COLUMN LINES SHALL BE ASSUMED CENTERED ON THE COLUMN UNLESS OTHERWISE INDICATED.
17. THE CONTRACTOR SHALL FURNISH AND INSTALL BLOCKING IN FRAMED WALL ASSEMBLIES WHERE WALL MOUNTED ACCESSORIES, CABINETS OR OTHER ACCESSORIES ARE INDICATED.
18. TERMINATE ALL INTERIOR WALLS TO THE UNDERSIDE OF DECKING, UNLESS OTHERWISE NOTED OR INDICATED BY SPECIFIC PARTITION TYPES.
19. ALL OUTSIDE CMU CORNERS OF INTERIOR WALLS SHALL BE BULLNOSED, UNLESS OTHERWISE NOTED.
20. PROVIDE ANGLED BLOCKS AND BRICKS FOR OUTSIDE CORNERS OF MASONRY WALLS OR OTHER SPECIAL SHAPES AVAILABLE FROM MANUFACTURER.
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25. WHERE FIREPROOFING MATERIAL IS REMOVED THAT IS INTEGRAL TO THE FIRE RESISTANCE RATING OF THE ASSEMBLY, THAT MATERIAL SHALL BE REPLACED SO THAT THE RATING IS PRESERVED.
26. IN ALL AREAS SCHEDULED TO RECEIVE NEW FLOORING, CONTRACTOR SHALL INSTALL CEMENTITIOUS UNDERLAYMENT ON EXISTING SUBSTRATES PRIOR TO THE INSTALLATION OF FINISHED FLOORING.
27. ALL ROUGH CARPENTRY (DIMENSIONAL LUMBER, BLOCKING, PLYWOOD, ETC.) INDICATED IN PLANS SHALL BE FIRE RETARDANT TREATED UNLESS OTHERWISE NOTED.

PROPOSED KEYNOTE LEGEND

Key Value	Keynote Text
1	APPROXIMATE AREA OF FLOORING TO RECEIVE SELF LEVELING UNDERLAYMENT.



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL

AREA B - STAFFORD TOWNSHIP ART CENTER

AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

CODE REVIEW:

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1385 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
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SIGNATURE:

THOMAS S. PERRINO	21AI01505400
SCOTT E. DOWNE	21AI01674400
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STEVEN G. SIEGEL	21AI01894200
JOHN F. WRIGHT	21AI01784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC00063000

SEAL:

CONSULTANTS:

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

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250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

#	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

FLOOR PLAN - AREA A NORTH

COMMISSION NUMBER:

24K067

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

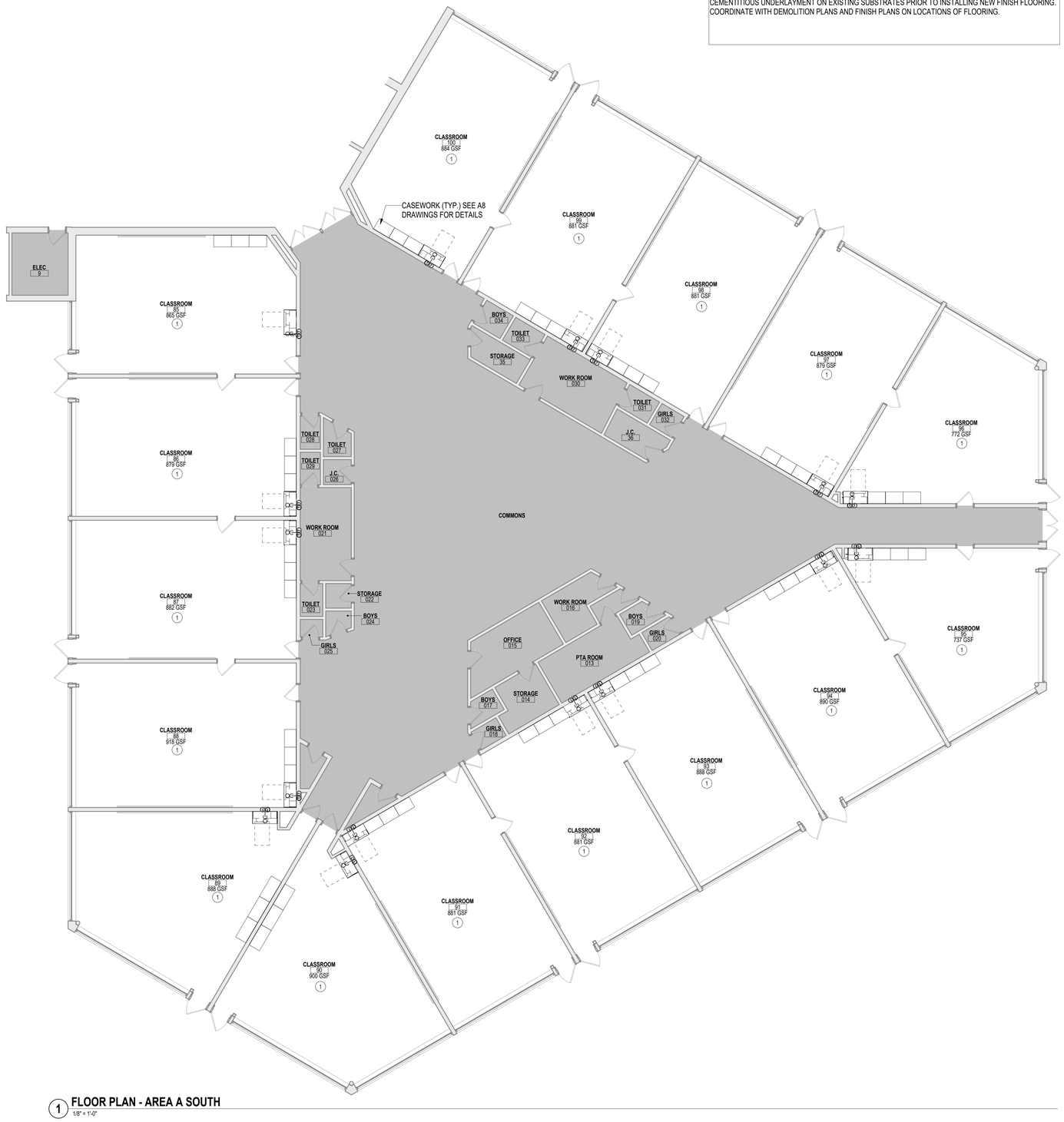
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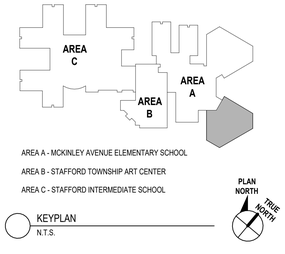
1 **FLOOR PLAN - AREA A SOUTH**
1/8" = 1'-0"

PLAN LEGEND

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AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
1365 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
PHONE: 866-974-7666

SIGNATURE:

THOMAS S. PERRINO	21A01505400
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JOHN F. WRIGHT	21A01784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC000300

SEAL:

CONSULTANTS:

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

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McKINLEY AVENUE ELEMENTARY SCHOOL
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STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

FLOOR PLAN - AREA A SOUTH

COMMISSION NUMBER:

24K067

DO NOT SCALE THE DRAWINGS

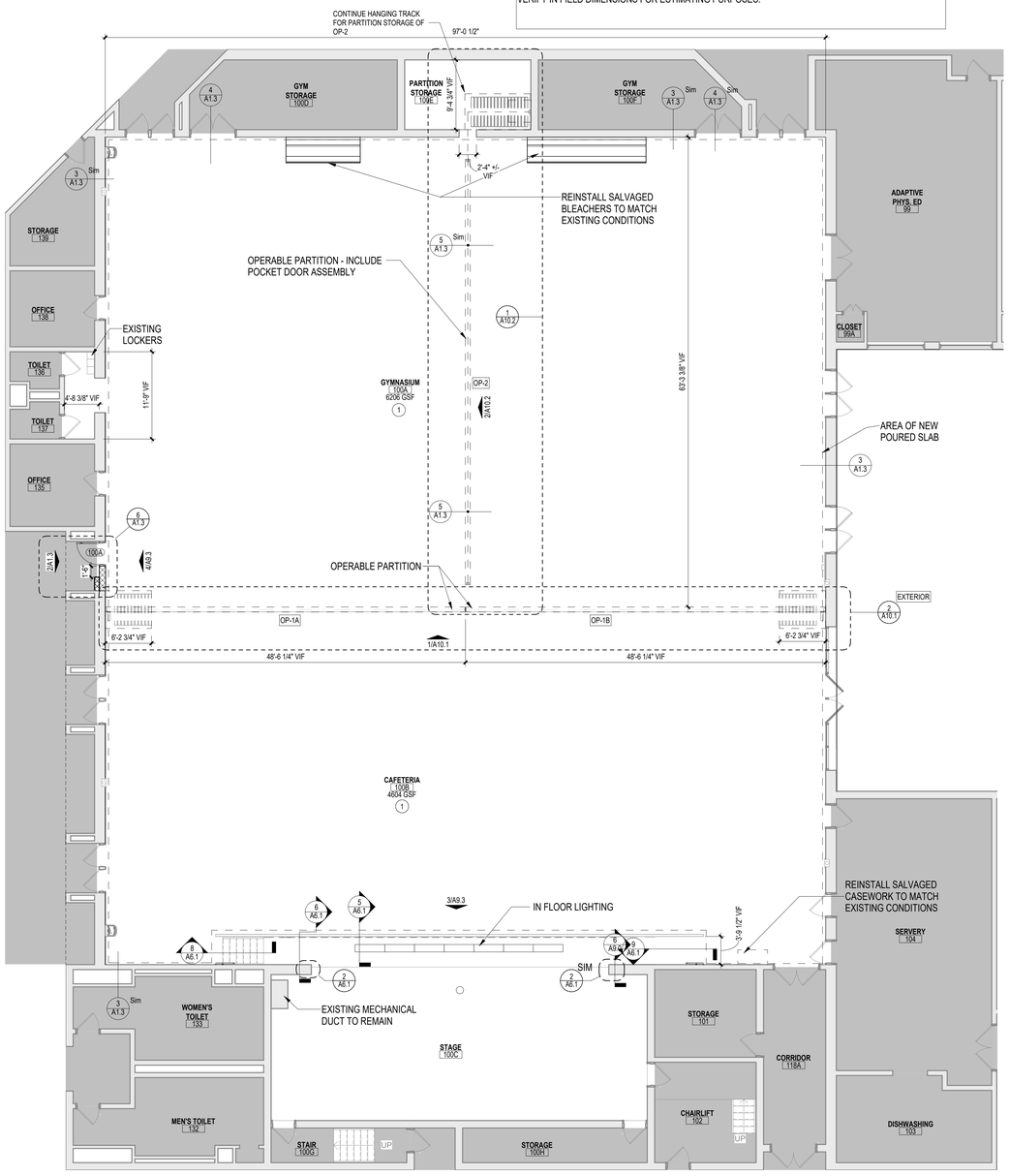
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THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

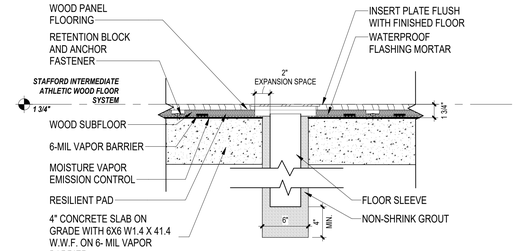
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GENERAL NOTE: AT ALL AREAS OF REMOVED FLOORING, CONTRACTOR SHALL INSTALL SELF LEVELING CEMENTITIOUS UNDERLAYMENT ON EXISTING SUBSTRATES PRIOR TO INSTALLING NEW ATHLETIC FLOORING. COORDINATE WITH DEMOLITION PLANS AND FINISH PLANS ON LOCATIONS OF FLOORING. VERIFY IN FIELD DIMENSIONS FOR ESTIMATING PURPOSES.

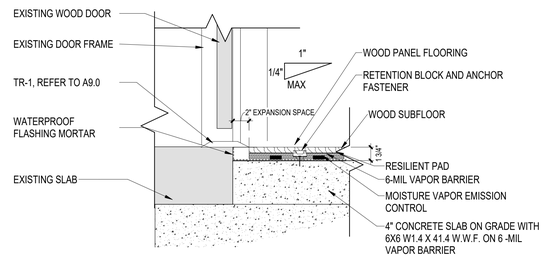


1 FLOOR PLAN - AREA C
1/8" = 1'-0"

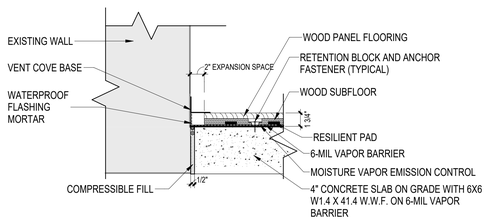
PROPOSED KEYNOTE LEGEND	
Key Value	Keynote Text
1	APPROXIMATE AREA OF FLOORING TO RECEIVE SELF LEVELING UNDERLAYMENT.



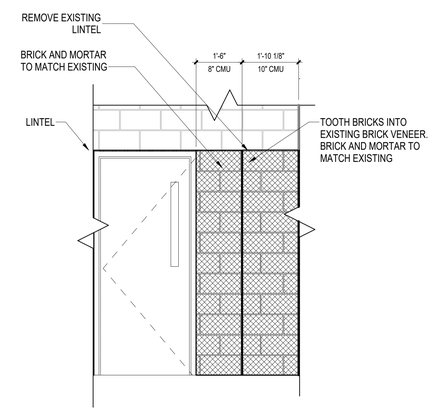
5 FLOOR SLEEVE SECTION DETAIL
1 1/2" = 1'-0"



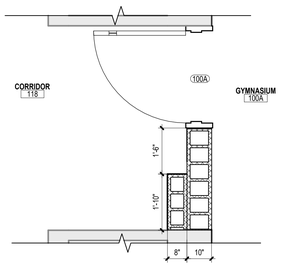
4 SECTION DETAIL AT EXISTING DOORS
1 1/2" = 1'-0"



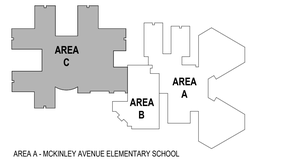
3 SECTION DETAIL
1 1/2" = 1'-0"



2 TYPICAL INFILL DETAIL
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6 PLAN DETAIL
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AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL

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KEYPLAN
N.T.S.

PLAN NORTH / TRUE NORTH

PLAN LEGEND

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19. ALL OUTSIDE CMU CORNERS OF INTERIOR WALLS SHALL BE BULLNOSED, UNLESS OTHERWISE NOTED.
20. PROVIDE ANGLED BLOCKS AND BRICKS FOR OUTSIDE CORNERS OF MASONRY WALLS OR OTHER SPECIAL SHAPES AVAILABLE FROM MANUFACTURER.
21. REFER TO ROOM FINISH LEGEND AND PROJECT SPECIFICATIONS FOR FINISH REQUIREMENTS.
22. CONTRACTOR SHALL COORDINATE WITH PLUMBING AND ELECTRICAL PLANS AND INFILL ALL OPENINGS THAT RESULT AS A PORT OF PLUMBING OR ELECTRICAL DEMOLITION WHETHER INDICATED ON ARCHITECTURAL DRAWINGS OR NOT. CONTRACTOR TO ASSUME INFILL IS 8" CMU FOR INTERIOR WALLS AND COMPOSITE WALL ASSEMBLY COMPRISED OF 8" CMU WITH 4" FACE BRICK ON EXTERIOR WALLS UNLESS OTHERWISE NOTED.
23. CONTRACTOR SHALL COORDINATE WITH PLUMBING AND ELECTRICAL DRAWINGS AND CONSTRUCT CHASES, RECESSES AND SOFFITS AS SHOWN AND AS REQUIRED TO CONCEAL ALL PLUMBING OR ELECTRICAL WORK TO MATCH ADJACENT CONSTRUCTION REGARDLESS IF SHOWN N THE DRAWINGS.
24. CONTRACTOR SHALL ASSUME THAT CORRIDOR WALLS ARE 1 HOUR FIRE RESISTANCE RATED PARTITIONS. ALL PENETRATIONS THROUGH WALL SHALL BE FIRE SEALED ACCORDING TO A UL-LISTED ASSEMBLY FOR THE APPLICATION TYPE.
25. WHERE FIREPROOFING MATERIAL IS REMOVED THAT IS INTEGRAL TO THE FIRE RESISTANCE RATING OF THE ASSEMBLY, THAT MATERIAL SHALL BE REPLACED SO THAT THE RATING IS PRESERVED.
26. IN ALL AREAS SCHEDULED TO RECEIVE NEW FLOORING, CONTRACTOR SHALL INSTALL CEMENTITIOUS UNDERLAYMENT ON EXISTING SUBSTRATES PRIOR TO THE INSTALLATION OF FINISHED FLOORING.
27. ALL ROUGH CARPENTRY (DIMENSIONAL LUMBER, BLOCKING, PLYWOOD, ETC.) INDICATED IN PLANS SHALL BE FIRE RETARDANT TREATED UNLESS OTHERWISE NOTED.

CODE REVIEW:

CERTIFICATE:

spiezle

SPIEZLE ARCHITECTURAL GROUP INC.
1365 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
PHONE: 866-974-7666

SIGNATURE:

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SCOTT E. DOWNE	21AI01674400
STEVEN LEONE	21AI01170100
STEVEN G. SIEGEL	21AI01894200
JOHN F. WRIGHT	21AI01784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC00063000

SEAL:

CONSULTANTS:

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

FLOOR PLAN - AREA C

COMMISSION NUMBER:

24K067

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

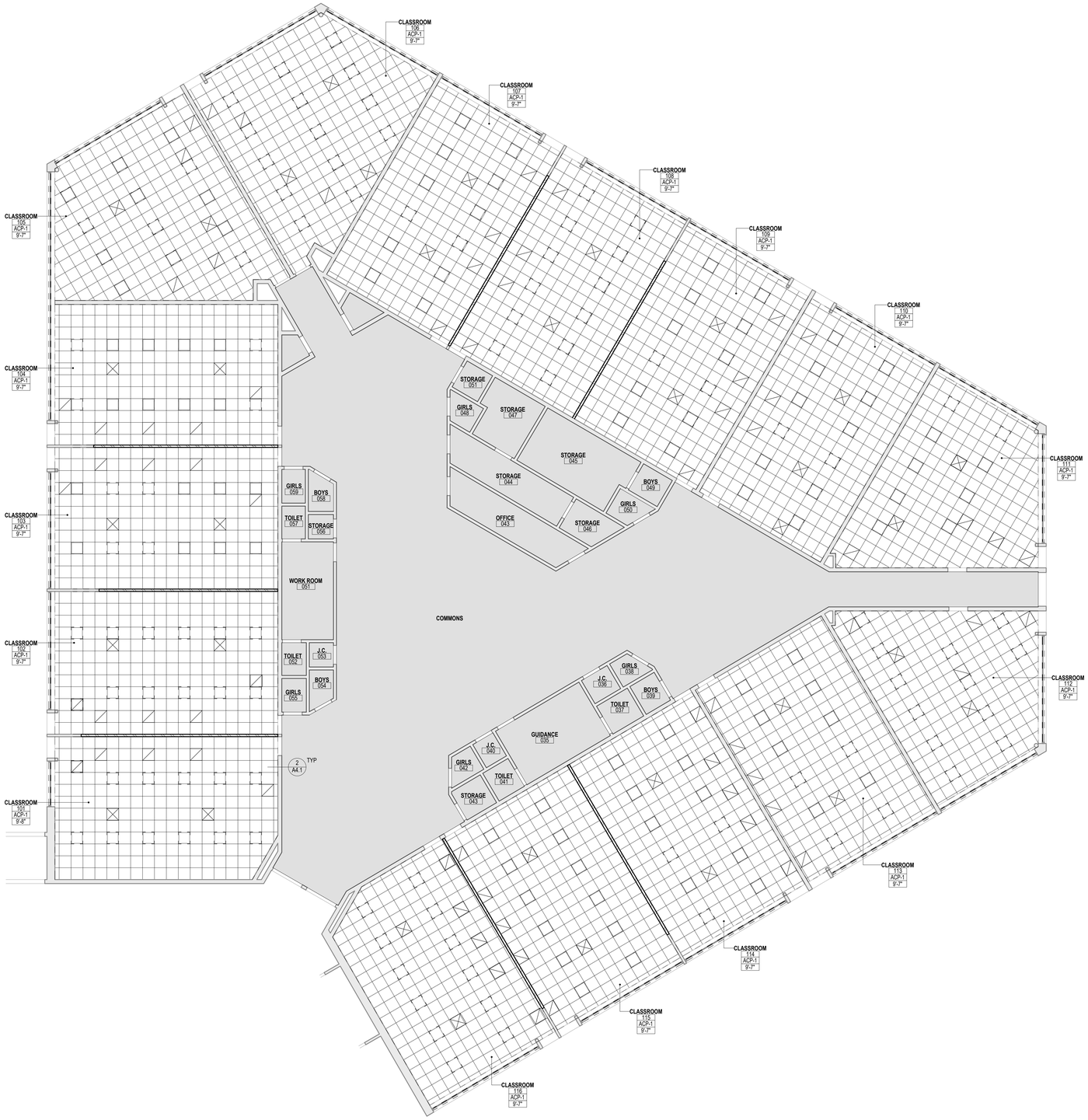
A1.3

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10/15/2026 9:40:19 AM

Autodesk Docs://24K067 - Stafford BOE - Renovations at Multiple Schools/24K067 - Stafford IS and McKinley ES_MCentral.rvt



1 REFLECTED CEILING PLAN - AREA A NORTH
1/8" = 1'-0"

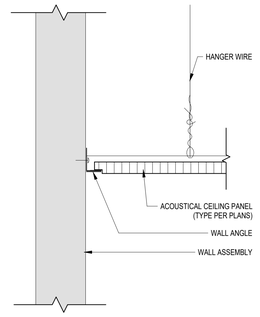
CEILING LEGEND

- XXX-# / 12'-10" — CEILING TYPE; HEIGHT ABOVE FINISHED FLOOR
- 24"x24" ACOUSTIC CEILING PANEL SYSTEM
- 24"x24" LAY IN LIGHT FIXTURE
- SUPPLY DIFFUSER
- RETURN GRILL

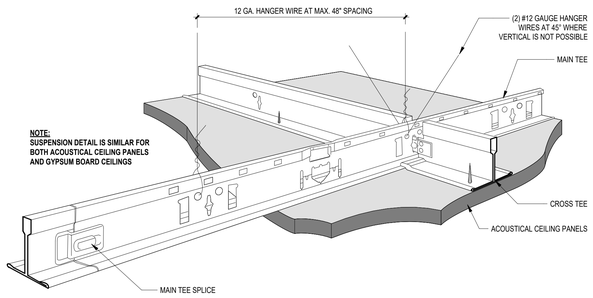
NOTES:
1. INCLUSION OF SYMBOL IN LEGEND DOES NOT IMPLY SCOPE OF WORK. REFER TO PLANS.
2. CONTRACTORS SHALL COORDINATE WITH ALL OTHER TRADES PRIOR TO INSTALLATION OF FIXTURES AND OTHER CEILING DEVICES.
3. REFER TO ME/P DRAWINGS FOR SIZES, TYPES, QUANTITIES AND INSTALLATION REQUIREMENTS OF FIXTURES AND CEILING DEVICES.
4. WHERE CEILING HEIGHTS ARE BELOW WINDOW HEADS THE CONTRACTOR SHALL PROVIDE FASCIA MOLDING OR TRIM TO MATCH SIZE AND COLOR OF CEILING TRIM.
5. COORDINATE ALL AUDIO AND VISUAL DEVICES WITH A/V DRAWINGS. A/V EQUIPMENT SHOWN HERE, INCLUDING PROJECTORS AND PROJECTION SCREENS ARE DIAGRAMMATIC AND ARE SHOWN HERE TO DEPICT ADJACENCIES WITH OTHER LIGHTING AND CEILING DEVICES.

CEILING TYPE SCHEDULE

TYPE MARK	DESCRIPTION
ACP-1	ACOUSTIC CEILING PANEL SYSTEM 24"x24"

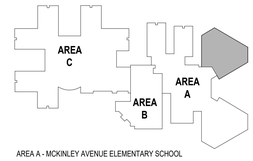


2 EDGE DETAIL AT ACOUSTIC CEILING PANEL
3" = 1'-0"



NOTE:
SUSPENSION DETAIL IS SIMILAR FOR BOTH ACOUSTICAL CEILING PANELS AND GYPSUM BOARD CEILINGS

3 TYPICAL SUSPENDED CEILING DETAIL
3" = 1'-0"



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH / TRUE NORTH

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
1365 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
PHONE: 866-974-7666

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STEVEN LEONE	21A001170100
STEVEN G. SIEGEL	21A001594200
JOHN F. WRIGHT	21A001784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC000503000

SEAL:

CONSULTANTS:

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

#	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

REFLECTED CEILING PLAN - AREA A NORTH

COMMISSION NUMBER:

24K067

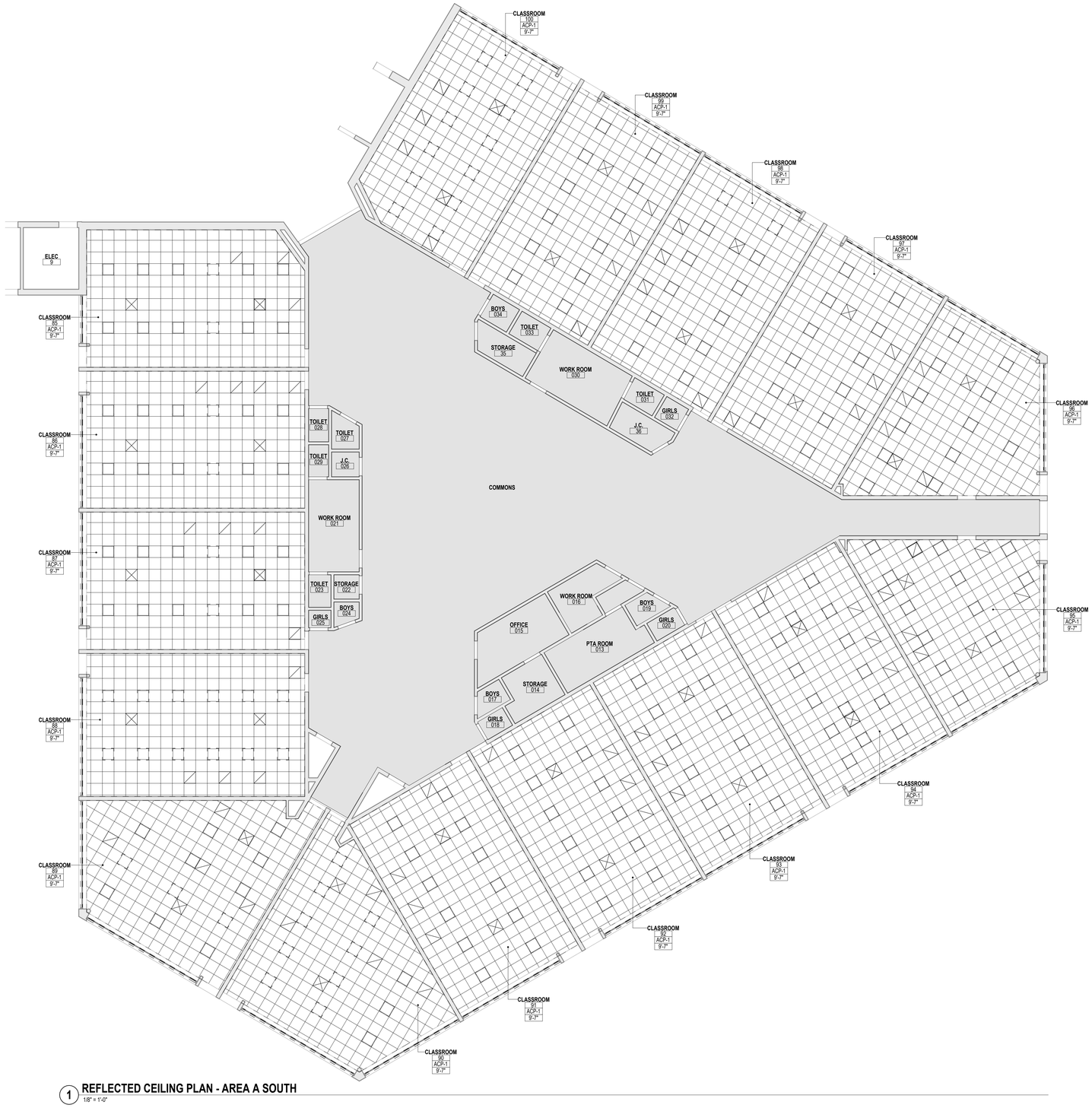
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

A4.1

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1 **REFLECTED CEILING PLAN - AREA A SOUTH**
1/8" = 1'-0"

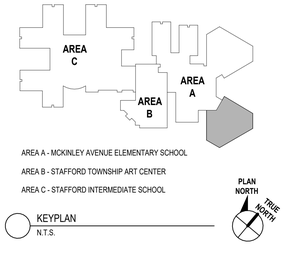
CEILING LEGEND

- XXX-# / 12'-10" — CEILING TYPE; HEIGHT ABOVE FINISHED FLOOR
- 24"x24" ACOUSTIC CEILING PANEL SYSTEM
- 24"x24" LAY IN LIGHT FIXTURE
- SUPPLY DIFFUSER
- RETURN GRILL

NOTES:
1. INCLUSION OF SYMBOL IN LEGEND DOES NOT IMPLY SCOPE OF WORK. REFER TO PLANS.
2. CONTRACTORS SHALL COORDINATE WITH ALL OTHER TRADES PRIOR TO INSTALLATION OF FIXTURES AND OTHER CEILING DEVICES.
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CEILING TYPE SCHEDULE

TYPE MARK	DESCRIPTION
ACP-1	ACOUSTIC CEILING PANEL SYSTEM 24"x24"



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH / TRUE NORTH

CODE REVIEW:

CERTIFICATE:

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JOHN F. WRIGHT	21A01784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC0093000

SEAL:

CONSULTANTS:

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

REFLECTED CEILING PLAN - AREA A SOUTH

COMMISSION NUMBER:

24K067

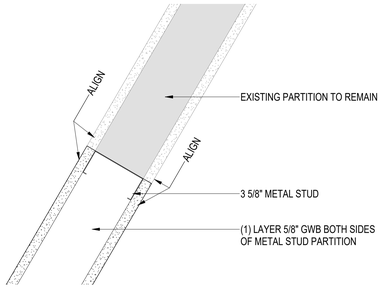
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

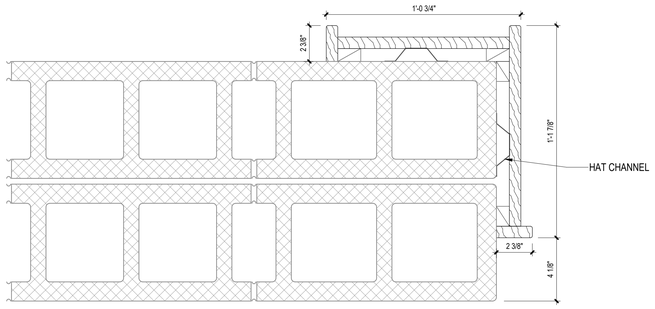
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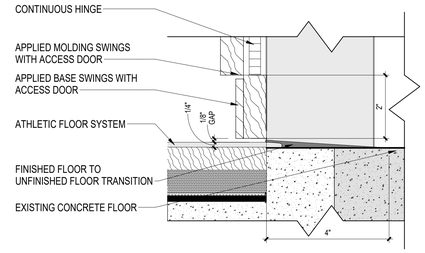
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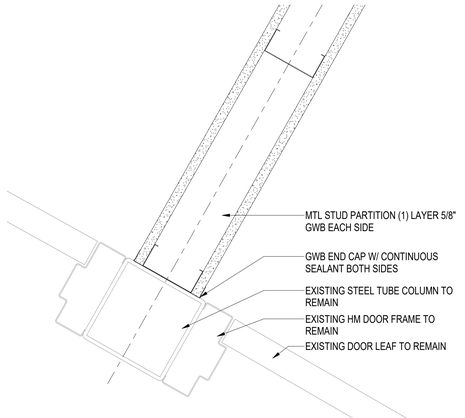
1 TYPICAL PARTITION PLAN DETAIL
3" = 1'-0"



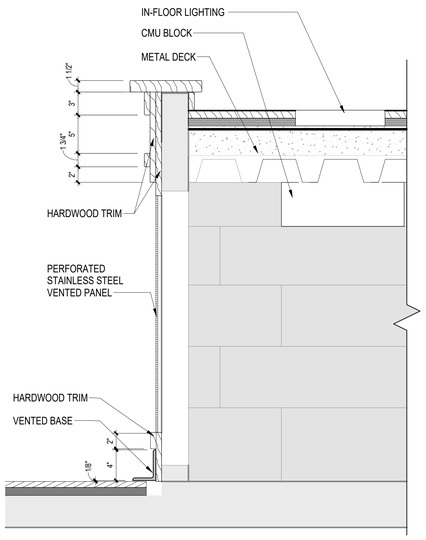
2 STAGE SURROUND PLAN DETAIL
3" = 1'-0"



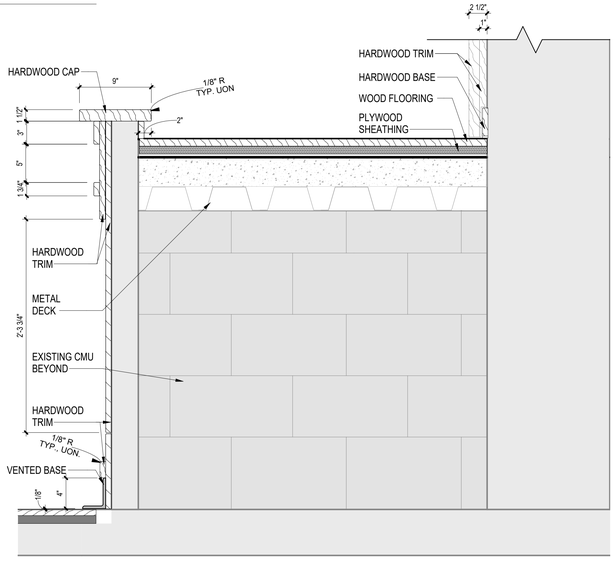
3 ROLLING LOAD TRANSITION
6" = 1'-0"



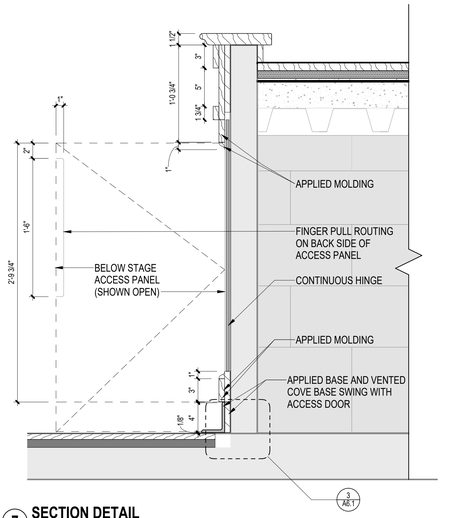
4 TYPICAL PARTITION PLAN DETAIL
3" = 1'-0"



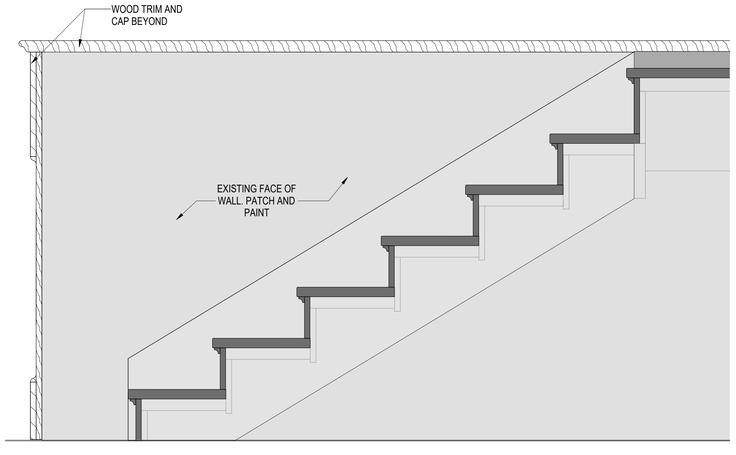
5 SECTION DETAIL
1 1/2" = 1'-0"



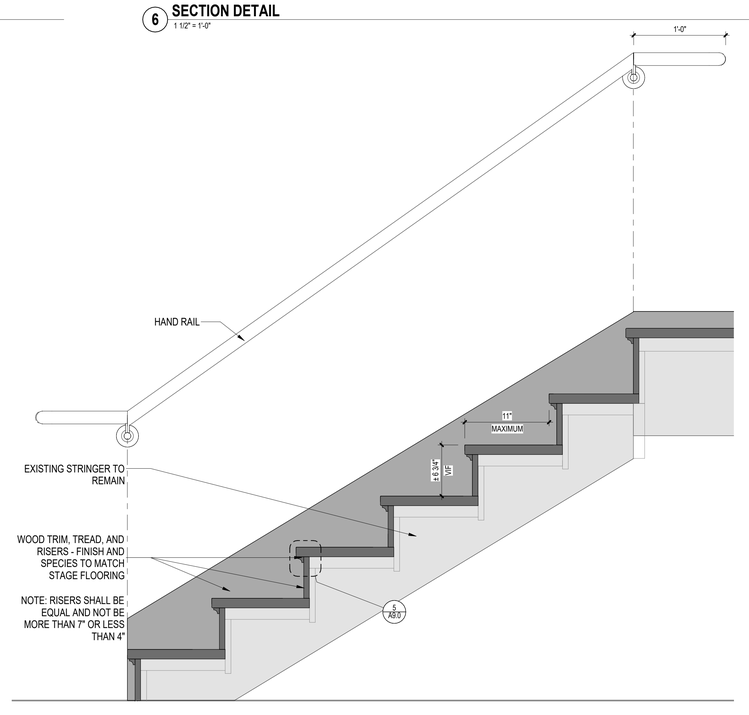
6 SECTION DETAIL
1 1/2" = 1'-0"



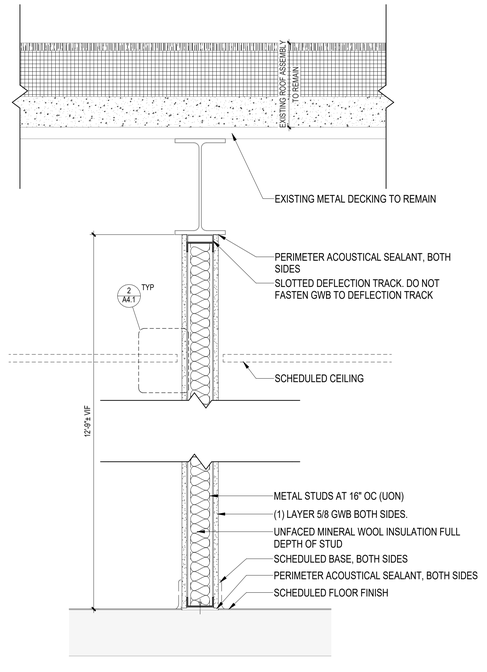
7 SECTION DETAIL
1 1/2" = 1'-0"



8 STAIR DETAIL
1 1/2" = 1'-0"



9 STAIR DETAIL
1 1/2" = 1'-0"



10 TYPICAL PARTITION SECTION
1 1/2" = 1'-0"

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
1385 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
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STEVEN LEONE	21A001170100
STEVEN G. SIEGEL	21A001584200
JOHN F. WRIGHT	21A001784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC000300

SEAL:

CONSULTANTS:

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

#	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

WALL SECTIONS AND DETAILS

COMMISSION NUMBER:

24K067

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DRAWING NUMBER:

A6.1

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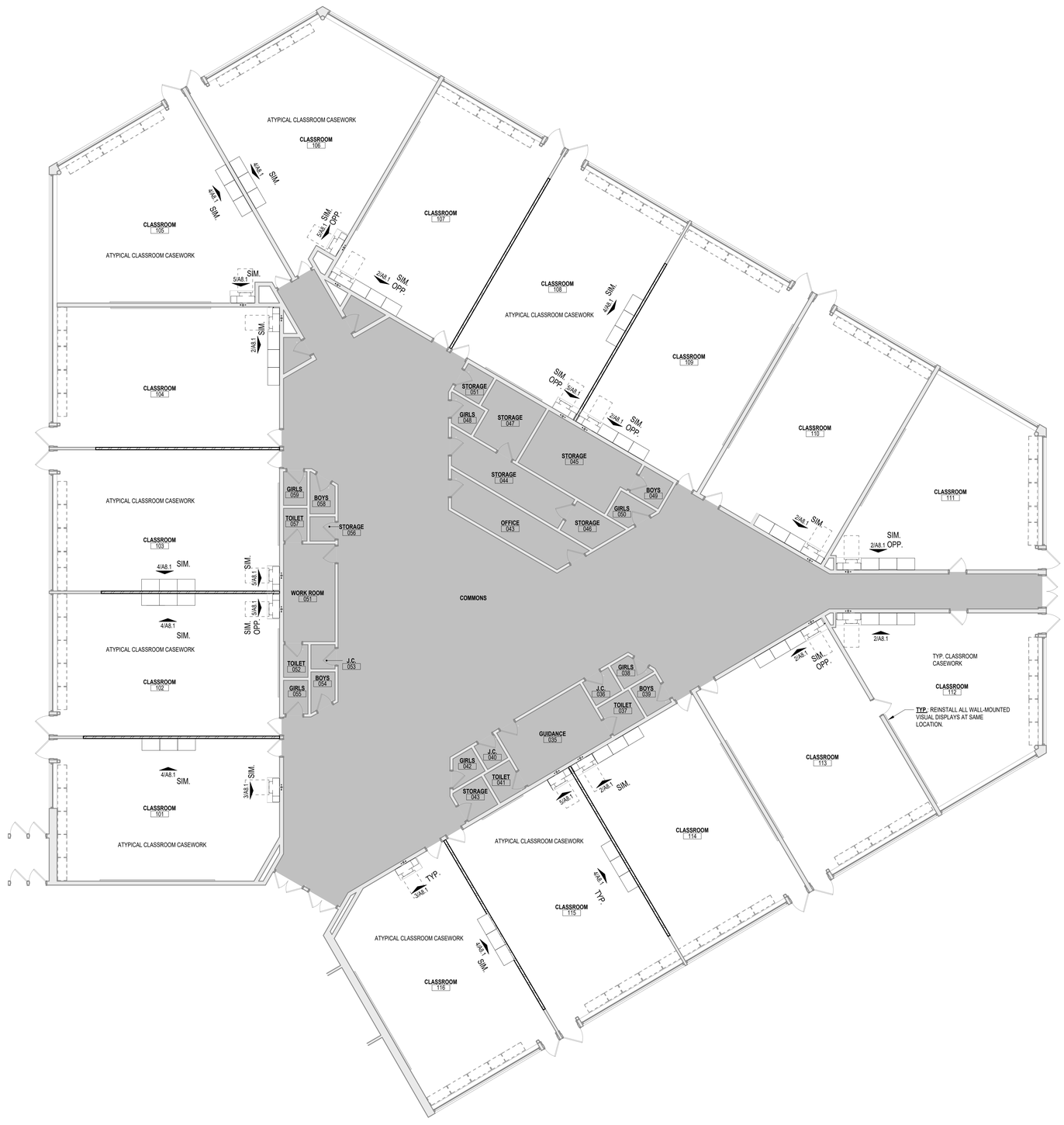
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TOILET ACCESSORY LEGEND

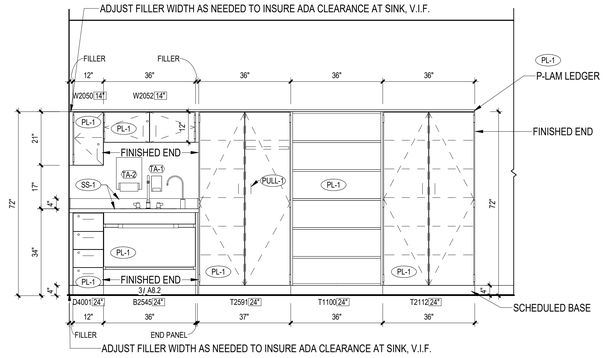
I	DESCRIPTION	MOUNTING TYPE	MANUF.	MODEL #	FURNISHED BY	INSTALLED BY	COMMENTS
TA-1	SOAP DISPENSER	SURFACE			CONTRACTOR	CONTRACTOR	
TA-2	PAPER TOWEL DISPENSER	SURFACE			CONTRACTOR	CONTRACTOR	

CASEWORK / MILLWORK NOTES

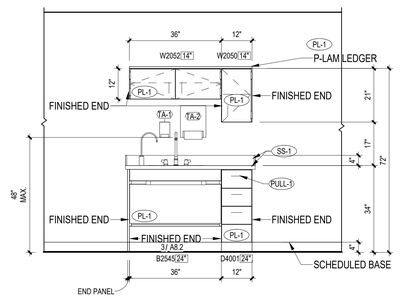
1. CASEWORK OR OTHER FURNITURE SHOWN DASHED INDICATES EQUIPMENT OR FURNISHINGS TO BE SUPPLIED BY THE OWNER OR OWNER'S VENDOR, UNLESS OTHERWISE NOTED.
2. PLASTIC LAMINATE CASEWORK AND MODEL NUMBERS ARE BASED ON TMI SYSTEMS DESIGN CORPORATION.
3. WOOD LABORATORY CASEWORK, EQUIPMENT AND FUMEHOOD MODEL NUMBERS ARE BASED ON LEONARD PETERSON.
4. REFERENCES TO A/V EQUIPMENT INCLUDING SCREENS, FLOOR BOXES (FB), SMARTBOARDS (SB), PROJECTORS AND PROJECTION SCREENS, ETC. ARE FOR GENERAL PURPOSES OF IDENTIFYING THESE ITEMS AS THEY RELATE TO OTHER EQUIPMENT AND DISPLAY SURFACES. REFER TO A/V DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL LAYOUT REQUIREMENTS AND INFORMATION.
5. ALL LAMINATES SHOULD RUN WITH VERTICAL GRAIN PATTERN.
6. OUTSIDE FASCIA CORNERS TO BE MITERED.
7. ALL EXPOSED SIDE PANELS ON WALL CABINETS AND LIGHT VALENCES TO BE ONE PIECE OF LAMINATE.
8. ALL SINK FRONTS TO ALIGN WITH ADJACENT DOOR AND DRAWER FACE.
9. THERE SHOULD NOT BE A VERTICAL MULLION IN CABINETS WITH DOUBLE DOORS, 24" WIDE OR LESS
10. SEE CASEWORK ELEVATIONS FOR LAMINATE SEAM LOCATIONS.
11. ALL OUTSIDE COUNTERTOP CORNERS TO HAVE A 2" RADIUS.



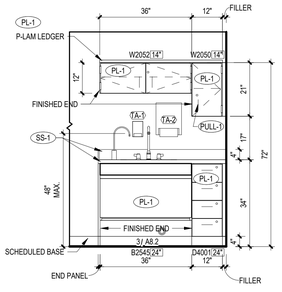
1 CASEWORK PLAN - AREA A NORTH
1/8" = 1'-0"



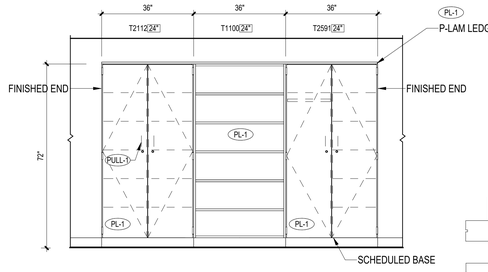
2 TYPICAL CLASSROOM CASEWORK
1/2" = 1'-0"



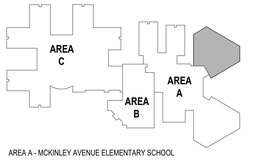
3 ATYPICAL CLASSROOM CASEWORK
1/2" = 1'-0"



5 ATYPICAL CLASSROOM CASEWORK
1/2" = 1'-0"



4 ATYPICAL CLASSROOM STORAGE CASEWORK
1/2" = 1'-0"



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

CODE REVIEW:

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JOHN F. WRIGHT	21A01784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC00503000

SEAL:

CONSULTANTS:

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
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STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

#	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

CASEWORK PLAN AND DETAILS - AREA A NORTH

COMMISSION NUMBER:

24K067

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

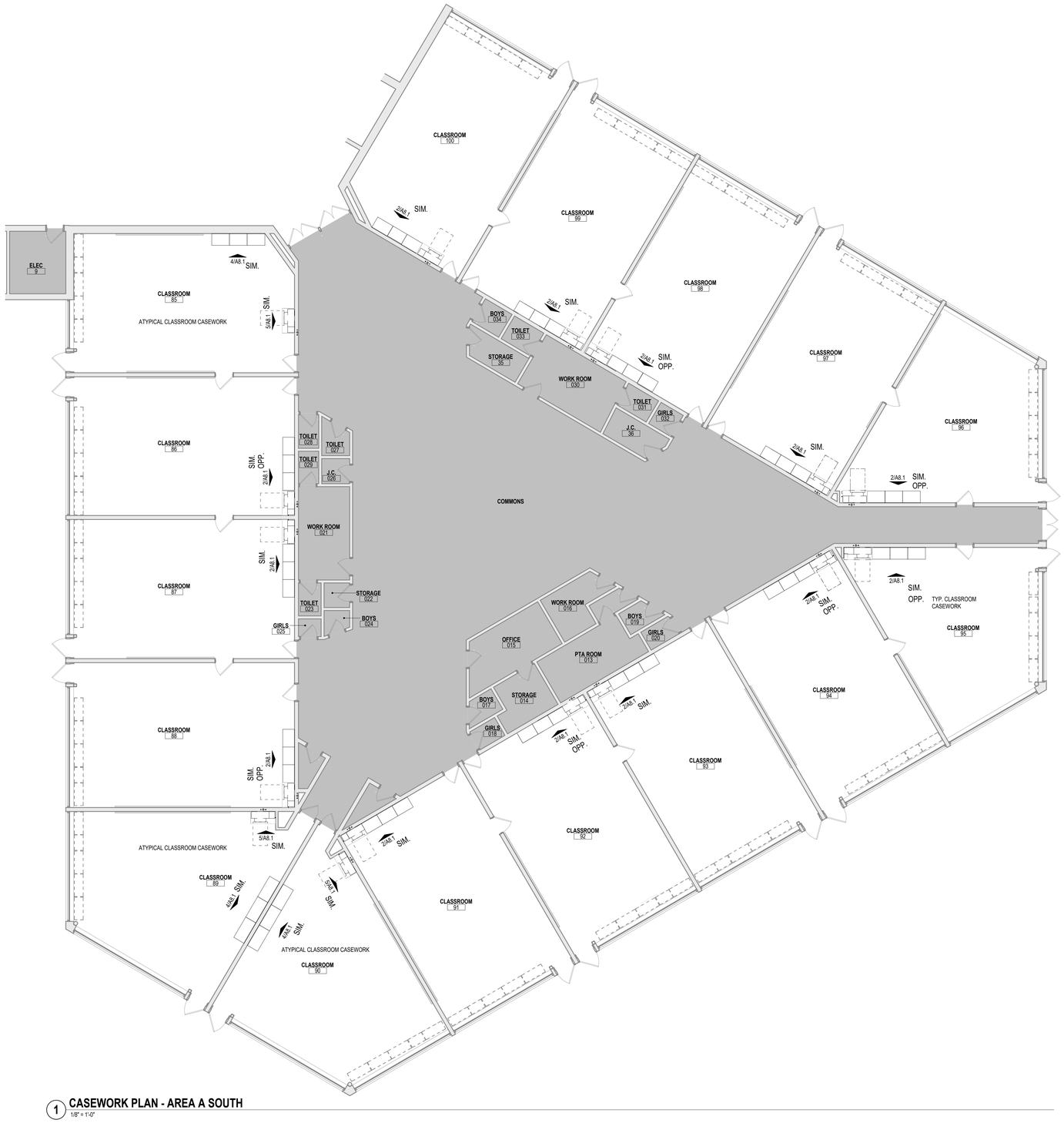
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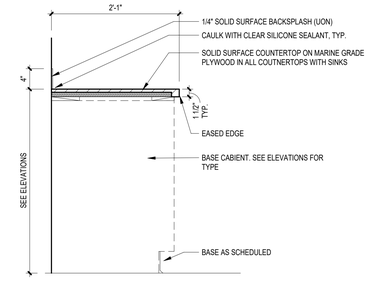
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CASEWORK / MILLWORK NOTES

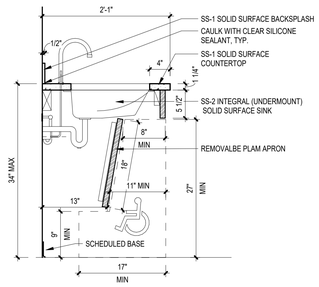
1. CASEWORK OR OTHER FURNITURE SHOWN DASHED INDICATES EQUIPMENT OR FURNISHINGS TO BE SUPPLIED BY THE OWNER OR OWNER'S VENDOR, UNLESS OTHERWISE NOTED.
2. PLASTIC LAMINATE CASEWORK AND MODEL NUMBERS ARE BASED ON TMI SYSTEMS DESIGN CORPORATION.
3. WOOD LABORATORY CASEWORK, EQUIPMENT AND FUMEHOOD MODEL NUMBERS ARE BASED ON LEONARD PETERSON.
4. REFERENCES TO A/V EQUIPMENT INCLUDING SCREENS, FLOOR BOXES (FB), SMARTBOARDS (SB), PROJECTORS AND PROJECTION SCREENS, ETC. ARE FOR GENERAL PURPOSES OF IDENTIFYING THESE ITEMS AS THEY RELATE TO OTHER EQUIPMENT AND DISPLAY SURFACES. REFER TO A/V DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL LAYOUT REQUIREMENTS AND INFORMATION.
5. ALL LAMINATES SHOULD RUN WITH VERTICAL GRAIN PATTERN.
6. OUTSIDE FASCIA CORNERS TO BE MITERED.
7. ALL EXPOSED SIDE PANELS ON WALL CABINETS AND LIGHT VALENCES TO BE ONE PIECE OF LAMINATE.
8. ALL SINK FRONTS TO ALIGN WITH ADJACENT DOOR AND DRAWER FACE.
9. THERE SHOULD NOT BE A VERTICAL MULLION IN CABINETS WITH DOUBLE DOORS, 24" WIDE OR LESS
10. SEE CASEWORK ELEVATIONS FOR LAMINATE SEAM LOCATIONS.
11. ALL OUTSIDE COUNTERTOP CORNERS TO HAVE A 2" RADIUS.



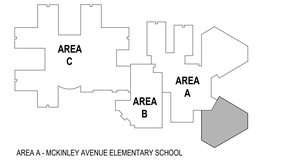
1 **CASEWORK PLAN - AREA A SOUTH**
1/8" = 1'-0"



2 **SOLID SURACE COUNTERTOP**
1" = 1'-0"



3 **COUNTERTOP WITH INTEGRAL SINK**
1" = 1'-0"



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
1385 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
PHONE: 866-974-7666

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SPIEZLE ARCHITECTURAL GROUP, INC.	21AC00633000

SEAL:

CONSULTANTS:

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

#	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

CASEWORK PLAN AND DETAILS - AREA A SOUTH

COMMISSION NUMBER:
24K067

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:
A8.2

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"X42"

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FLOOR FINISHES		
RESINOUS TERAZZO FLOOR		
ET-1	MANUFACTURER:	TERRAZZO & MARBLE SUPPLY COMPANIES
	COLOR:	TBD
	DIMENSION:	45-80 mil MOSAIC DECORATIVE THINSET
	CONTACT:	JECHILIAH JACKMAN
	CONTACT:	JJACKMAN@TMSUPPLY.COM
	NOTE:	FIELD AND ADJACENT INTERGRAL BASE
ET-2	MANUFACTURER:	TERRAZZO & MARBLE SUPPLY COMPANIES
	COLOR:	TBD
	DIMENSION:	45-80 mil MOSAIC DECORATIVE THINSET
	CONTACT:	JECHILIAH JACKMAN
	CONTACT:	JJACKMAN@TMSUPPLY.COM
	NOTE:	BORDER AND ADJACENT INTEGRAL BASE
AF-1	MANUFACTURER:	ROBBINS SPORTS FLOOR
		BIO CHANNEL SB
	COLOR:	CLEAR MAPLE
	DIMENSION:	2 1/2" W
	CONTACT:	RICK ONSLAGER
	CONTACT:	RONSLAGER@ROBBINSFLOOR.COM
	NOTE:	CLEAR MAPLE, COORD. SEE WOOD STAINS/ COURT LINES
SOLID VINYL TILE		
SVT-1	MANUFACTURER:	PATCRAFT
	COLLECTION:	NUMIX
	STYLE:	I768V
	COLOR:	PEARL FLECK-V1 00520
	DIMENSION:	36" x 36"
	INSTALL:	MONOLITHIC
	OVERALL THICKNESS:	0.125" (3.17 mm)
	WEAR LAYER:	N/A (HOMOGENOUS)
	CONTACT:	DAN KOZEK
	CONTACT:	DAN.KOZEK@PATCRAFT.COM
	NOTE:	FIELD
SVT-2	MANUFACTURER:	PATCRAFT
	COLLECTION:	NUMIX
	STYLE:	I768V
	COLOR:	NAUTICAL FLECK-V1 00490
	DIMENSION:	36" x 36"
	INSTALL:	MONOLITHIC
	OVERALL THICKNESS:	0.125" (3.17 mm)
	WEAR LAYER:	N/A (HOMOGENOUS)
	CONTACT:	DAN KOZEK
	CONTACT:	DAN.KOZEK@PATCRAFT.COM
	NOTE:	ACCENT WHERE NOTED
SVT-3	MANUFACTURER:	PATCRAFT
	COLLECTION:	NUMIX
	STYLE:	I768V
	COLOR:	TUSCAN FLECK-V1 00630
	DIMENSION:	36" x 36"
	INSTALL:	MONOLITHIC
	OVERALL THICKNESS:	0.125" (3.17 mm)
	WEAR LAYER:	N/A (HOMOGENOUS)
	CONTACT:	DAN KOZEK
	CONTACT:	DAN.KOZEK@PATCRAFT.COM
	NOTE:	ACCENT WHERE NOTED
SVT-4	MANUFACTURER:	PATCRAFT
	COLLECTION:	NUMIX
	STYLE:	I768V
	COLOR:	UBE FLECK-V1 00960
	DIMENSION:	36" x 36"
	INSTALL:	MONOLITHIC
	OVERALL THICKNESS:	0.125" (3.17 mm)
	WEAR LAYER:	N/A (HOMOGENOUS)
	CONTACT:	DAN KOZEK
	CONTACT:	DAN.KOZEK@PATCRAFT.COM
	NOTE:	ACCENT WHERE NOTED
SVT-5	MANUFACTURER:	PATCRAFT
	COLLECTION:	NUMIX
	STYLE:	I768V
	COLOR:	SUNBEAM FLECK-V1 00240
	DIMENSION:	36" x 36"
	INSTALL:	MONOLITHIC
	OVERALL THICKNESS:	0.125" (3.17 mm)
	WEAR LAYER:	N/A (HOMOGENOUS)
	CONTACT:	DAN KOZEK
	CONTACT:	DAN.KOZEK@PATCRAFT.COM
	NOTE:	ACCENT WHERE NOTED

TRANSITIONS		
TR1	MANUFACTURER:	CRL
	COLLECTION:	SADDLE THRESHOLDS
	STYLE:	COMMERCIAL SADDLE THRESHOLDS
	COLOR:	ALUMINUM
	DIMENSION:	VERIFY IN FIELD
	CONTACT:	WWW.CRLAURENCE.COM
	CONTACT:	1.800.421.6144
	NOTE:	FOR USE WITH ATHLETIC FLOOR

WALL BASE		
RESILIENT BASE		
B-1	MANUFACTURER:	ROPPE
	COLLECTION:	PINNACLE RUBBER BASE
	COLOR:	PARCHMENT 694
	DIMENSION:	4" H
	LENGTH:	COILED
	CONTACT:	ERIC SAENZ
	CONTACT:	ESAENZ@SSTFLOOR.COM
	NOTE:	FOR USE WITH VINYL TILE
B-2	MANUFACTURER:	JOHNSONITE
	COLLECTION:	VENTED COVE BASE
	COLOR:	BROWN
	DIMENSION:	4" H WITH 3" TOE
	LENGTH:	COILED
	CONTACT:	MELISSA CARNIVAL
	CONTACT:	MELISSA.CARNIVAL@TARKETT.COM
	NOTE:	FOR USE WITH ATHLETIC FLOOR
B-3	MANUFACTURER:	TERRAZZO & MARBLE SUPPLY COMPANIES
	COLOR:	TBD
	DIMENSION:	4"H BUILT UP COVE BASE
	CONTACT:	JECHILIAH JACKMAN
	CONTACT:	JJACKMAN@TMSUPPLY.COM
	NOTE:	INTEGRAL BASE TO MATCH ADJACENT COLOR

WALL FINISHES		
PAINTING		
P-1	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	SNOWBOUND SW7004
	FINISH:	EG-SHEL
	CONTACT:	RICA SUHANEC
	CONTACT:	RICA.SUHANEC@SHERWIN.COM
	NOTE:	GENERAL PAINT
P-2	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	WESTHIGHLAND WHITE SW7566
	FINISH:	SEMI-GLOSS
	CONTACT:	RICA SUHANEC
	CONTACT:	RICA.SUHANEC@SHERWIN.COM
	NOTE:	TRIM PAINT
P-3	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	FRANK BLUE SW6967
	FINISH:	EG-SHEL
	CONTACT:	RICA SUHANEC
	CONTACT:	RICA.SUHANEC@SHERWIN.COM
	NOTE:	ACCENT PAINT & COLOR MATCH FOR PAINTED COURT LINES
P-4	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	AMBER WAVE SW6657
	FINISH:	EG-SHEL
	CONTACT:	RICA SUHANEC
	CONTACT:	RICA.SUHANEC@SHERWIN.COM
	NOTE:	ACCENT PAINT
P-5	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	KIMONO VIOLET SW6839
	FINISH:	EG-SHEL
	CONTACT:	RICA SUHANEC
	CONTACT:	RICA.SUHANEC@SHERWIN.COM
	NOTE:	ACCENT PAINT
P-6	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	LEMON TWIST SW6909
	FINISH:	EG-SHEL
	CONTACT:	RICA SUHANEC
	CONTACT:	RICA.SUHANEC@SHERWIN.COM
	NOTE:	ACCENT PAINT & COLOR MATCH FOR PAINTED COURT LINES
P-7	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	BLACK MAGIC SW6991
	FINISH:	EG-SHEL
	CONTACT:	RICA SUHANEC
	CONTACT:	RICA.SUHANEC@SHERWIN.COM
	NOTE:	PAINTED PLYWOOD STAGE FLOOR
P-8	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	MATCH EXISTING
	FINISH:	MATCH EXISTING
	CONTACT:	RICA SUHANEC
	CONTACT:	RICA.SUHANEC@SHERWIN.COM
	NOTE:	ACCENT PAINT STRIPE
P-9	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	MATCH EXISTING
	FINISH:	MATCH EXISTING
	CONTACT:	RICA SUHANEC
	CONTACT:	RICA.SUHANEC@SHERWIN.COM
	NOTE:	ACCENT PAINT STRIPE
P-10	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	MATCH EXISTING
	FINISH:	MATCH EXISTING
	CONTACT:	RICA SUHANEC
	CONTACT:	RICA.SUHANEC@SHERWIN.COM
	NOTE:	ACCENT PAINT STRIPE
P-11	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	MATCH EXISTING
	FINISH:	MATCH EXISTING
	CONTACT:	RICA SUHANEC
	CONTACT:	RICA.SUHANEC@SHERWIN.COM
	NOTE:	ACCENT PAINT STRIPE
CP-1	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR:	CEILING BRIGHT WHITE 7007
	FINISH:	EG-SHEL
	CONTACT:	RICA SUHANEC
	CONTACT:	RICA.SUHANEC@SHERWIN.COM
	NOTE:	CEILING PAINT IF REQUIRED

WALLCOVERING		
WC-1	MANUFACTURER:	CARNEGIE XOREL
	STYLE:	CALABRIA 6139
	COLOR:	52
	TYPE:	WOVEN PVC-FREE
	REPEAT:	N/A
	CONTACT:	CATHERINE PELLETIER
	CONTACT:	CPELLETIER@CARNEGIEFABRICS.COM
	NOTE:	FOR OPERABLE PARTITION

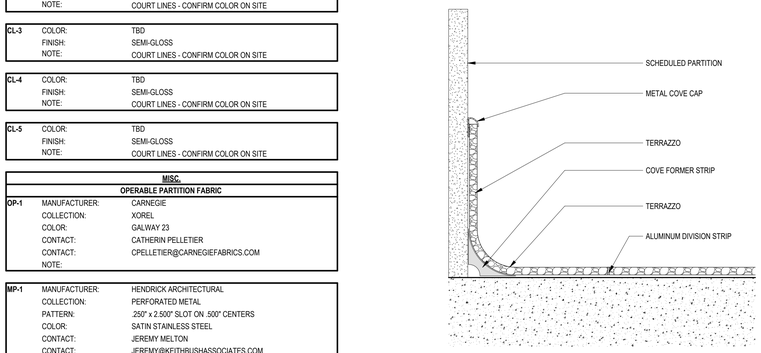
CASEWORK / MILLWORK		
HARDWARE		
PULL-1	MANUFACTURER:	TMI
	STYLE:	BOW PULL
	FINISH:	BRUSHED NICKEL
	NOTE:	

PLASTIC LAMINATE		
PL-1	MANUFACTURER:	ARBORITE
	COLOR:	TATAM I KORI P257 CA
	CONTACT:	ELIZABETH BALDONI
	CONTACT:	ELIZABETH.BALDONI@ARBORITE.COM
	NOTE:	

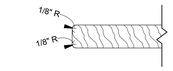
SOLID SURFACE		
SS-1	MANUFACTURER:	MEGANITE
	COLOR:	URBAN HABITAT
	EDGE:	EASED
	CONTACT:	KYLE DEFEO
	CONTACT:	KDEFEO@RICHELIEU.COM
	NOTE:	COUNTERTOPS AND THRESHOLDS
SS-2	MANUFACTURER:	MEGANITE SINK
	COLOR:	WHITE
	MODEL:	BS-7825
	CONTACT:	KYLE DEFEO
	CONTACT:	KDEFEO@RICHELIEU.COM
	NOTE:	CLASSROOMS

WOOD / STAINING		
WD-1	COLOR:	SMOKY QUARTZ MW1074
	FINISH:	SEMI-GLOSS
	NOTE:	STAIN FOR STAGE, CONFIRM STAIN COLOR ON SITE
AF-1	COLOR:	CLEAR
	FINISH:	SEMI-GLOSS
	NOTE:	MAIN FLOOR STAIN
AF-2	COLOR:	TBD
	FINISH:	SEMI-GLOSS
	NOTE:	COURT KEY - CONFIRM STAIN COLOR ON SITE
AF-3	COLOR:	TBD
	FINISH:	SEMI-GLOSS
	NOTE:	COURT KEY - CONFIRM STAIN COLOR ON SITE
AF-4	COLOR:	TBD
	FINISH:	SEMI-GLOSS
	NOTE:	FREE THROW LANE - CONFIRM STAIN COLOR ON SITE
AF-5	COLOR:	TBD
	FINISH:	SEMI-GLOSS
	NOTE:	OUTER CIRCLE - CONFIRM STAIN COLOR ON SITE
AF-6	COLOR:	TBD
	FINISH:	SEMI-GLOSS
	NOTE:	CENTER CIRCLE- CONFIRM STAIN COLOR ON SITE
CL-1	COLOR:	TBD
	FINISH:	SEMI-GLOSS
	NOTE:	COURT LINES - CONFIRM COLOR ON SITE
CL-2	COLOR:	TBD
	FINISH:	SEMI-GLOSS
	NOTE:	COURT LINES - CONFIRM COLOR ON SITE
CL-3	COLOR:	TBD
	FINISH:	SEMI-GLOSS
	NOTE:	COURT LINES - CONFIRM COLOR ON SITE
CL-4	COLOR:	TBD
	FINISH:	SEMI-GLOSS
	NOTE:	COURT LINES - CONFIRM COLOR ON SITE
CL-5	COLOR:	TBD
	FINISH:	SEMI-GLOSS
	NOTE:	COURT LINES - CONFIRM COLOR ON SITE

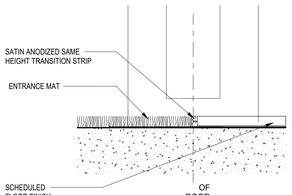
MISC.		
OPERABLE PARTITION FABRIC		
OP-1	MANUFACTURER:	CARNEGIE
	COLLECTION:	XOREL
	COLOR:	GALWAY 23
	CONTACT:	CATHERIN PELLETIER
	CONTACT:	CPELLETIER@CARNEGIEFABRICS.COM
	NOTE:	
MP-1	MANUFACTURER:	HENDRICK ARCHITECTURAL
	COLLECTION:	PERFORATED METAL
	PATTERN:	.250" x 2.500" SLOT ON .500" CENTERS
	COLOR:	SATIN STAINLESS STEEL
	CONTACT:	JEREMY MELTON
	CONTACT:	JEREMY@KEITHBUSHASSOCIATES.COM
	NOTE:	VENTILATED PANELS AT STAGE

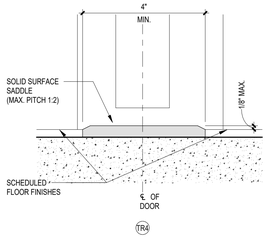


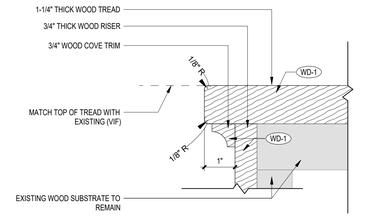
3 TERRAZZO BASE
6" = 1'-0"



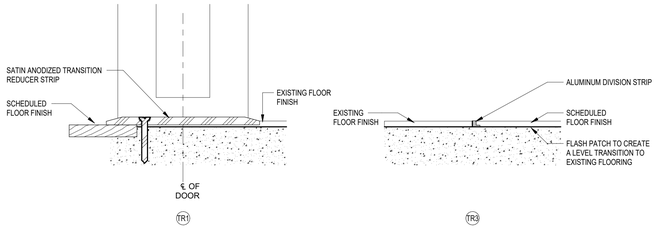
4 WOOD MOLDING PROFILE
6" = 1'-0"



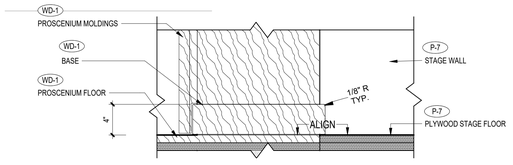




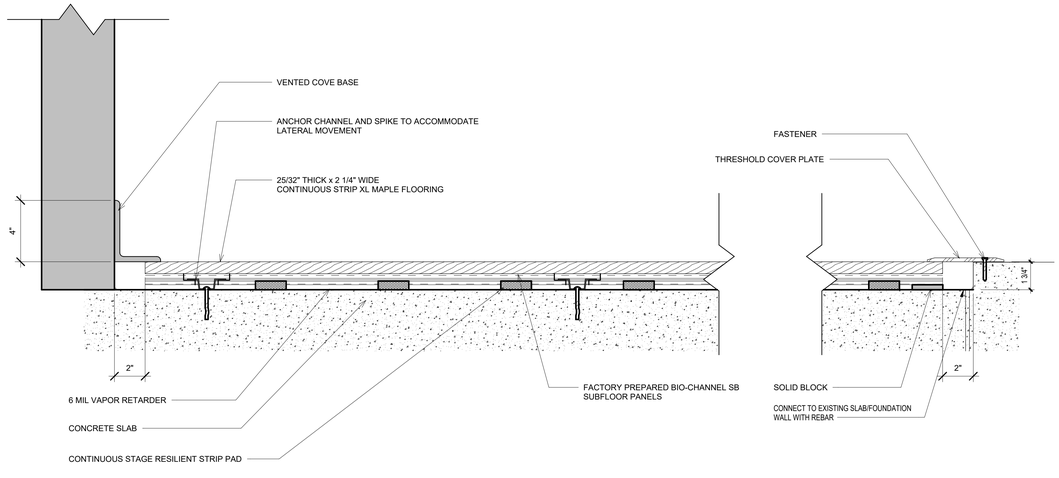
5 STAIR TREAD AND RISER
6" = 1'-0"



2 FLOORING TRANSITIONS
6" = 1'-0"

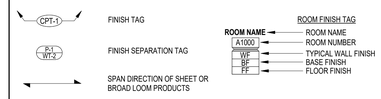


6 FINISHES AT PROSCENIUM
1 1/2" = 1'-0"



1 BIO-CHANNEL SB MAPLE FLOORING
3" = 1'-0"

GENERAL FINISH NOTES:



1. NOTES PERTAIN TO AREAS WITHIN THIS SCOPE OF WORK ONLY.
2. CONTACT INTERIOR DESIGNER/ARCHITECT FOR CLARIFICATION IN THE EVENT OF CONTRADICTORY INFORMATION BETWEEN DRAWINGS, LEGEND AND/ OR SPECIFICATIONS OR IF COLOR AND/OR FINISH IS NOT SPECIFIED.
3. REFER TO FINISH LEGEND AND PLAN FOR GENERAL FINISHES.
4. REFER TO ALL INTERIOR FINISH NOTES AND INTERIOR DRAWINGS (INCLUDING PLANS, ELEVATIONS AND DETAILS) FOR COMPLETE INTERIORS INFORMATION.
5. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING PRODUCT LEAD TIMES TO ENSURE DELIVERY THAT MEETS THE PROJECT SCHEDULE.
6. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL SITE CONDITIONS AND CONFIRM QUANTITIES PRIOR TO ORDERING PRODUCTS. IN THE EVENT OF CONTRADICTORY INFORMATION CONTACT THE INTERIOR DESIGNER/ARCHITECT FOR CLARIFICATION PRIOR TO ORDERING.
7. ALL MATERIALS SHALL BE INSTALLED USING MANUFACTURERS RECOMMENDED INSTALLATION METHODS AND ADHESIVES.
8. WARRANTY INFORMATION AND INSTRUCTIONS OF MAINTENANCE ON ALL FINISH MATERIALS SHALL BE PROVIDED TO THE OWNER AND INCLUDED IN THE CLOSEOUT WARRANTY AND MAINTENANCE MANUAL.
9. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SAMPLES OF ALL FINISHES SPECIFIED TO INTERIOR DESIGNER/ARCHITECT FOR APPROVAL PRIOR TO ORDERING MATERIAL.
10. ALL SUBSTRATE SURFACES ARE TO BE PROPERLY PREPARED TO RECEIVE FINISH MATERIALS. SUBCONTRACTOR IS NOT TO APPLY FINISHES UNTIL SUBSTRATE IS PREPARED PER MANUFACTURES WRITTEN INSTRUCTIONS FOR ALL INSTALLATIONS OR APPLICATIONS.
11. PAINT GRILLS, WALL DIFFUSERS, ELECTRICAL PANELS, WALL MOUNTED BOXES, ACCESS PANELS, ETC., WHICH ARE EXPOSED IN FINISHED SPACES TO MATCH THE SURFACE ON WHICH THEY OCCUR IF THE ITEM IS ON A WALL-COVERED WALL. PROVIDE A CUSTOM PAINT COLOR USED TO MATCH. SUBMIT TO INTERIOR DESIGNER/ARCHITECT FOR APPROVAL.
12. ALL DIRECTIONAL LAMINATES SHOULD RUN WITH THE VERTICAL GRAIN PATTERN UON.
13. ALL WALL PAINT TO BE EGGSHELL FINISH UON.
14. ALL METAL AND PAINTED TRIM TO BE SEMI-GLOSS ENAMEL FINISH UON.
15. INSTALL DIRECTIONAL WALLCOVERING ORIENTED AS SPECIFIED IN ELEVATION.
16. ALL VINYL/RUBBER BASE TO BE ROLLED GOODS, NOT LINEAR 4" LENGTHS. UON.
17. FINISHES INDICATED ON "ROOM FINISH TAG" ARE INCLUSIVE OF ALL RESPECTIVE SURFACES IN ROOM (UNLESS OTHERWISE NOTED) WHETHER OR NOT INDICATED ON PLANS OR ELEVATIONS.

FLOOR FINISH NOTES:

1. PROVIDE SHOP DRAWING LAYOUT SHOWING ALL FLOOR PATTERN LOCATIONS, GRAIN DIRECTION AND SEAMING DIAGRAMS.
2. INSTALL DIRECTIONAL FLOORING ORIENTED AS SPECIFIED IN THE FINISH PLAN.
3. REFERENCE MANUFACTURERS INSTALLATION SPECIFICATIONS FOR EACH FLOOR FINISH TYPE TO VERIFY REQUIREMENTS.
4. ALIGN TRANSITION OF FLOOR MATERIAL WITH CENTER OF HINGE IN DOORWAY UON.
5. IN A WALL OPENING WITHOUT HINGES REFER TO FINISH PLANS FOR TRANSITION LOCATION OF WRAPPED MATERIALS.
6. FLASH PATCH THE FLOOR AT TRANSITION OF ALL MATERIALS. PROVIDE TRANSITION STRIPS AS NECESSARY. SUBMIT TRANSITIONS TO INTERIOR DESIGNER/ARCHITECT FOR APPROVAL. ALL FLOORING TRANSITIONS MUST ADHERE TO THE AMERICANS WITH DISABILITIES ACT.
7. RESINOUS FLOOR SYSTEM IS TO FOLLOW ALL CONTROL JOINTS IN SLAB AND PROVIDE CONTROL JOINTS IN FLOORING SYSTEM.

CEILING NOTES – FOR ALL PROJECTS:

1. ALL NEW GWB CEILINGS/SOFFITS TO BE PAINTED CP-1 UNLESS OTHERWISE NOTED.

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
1365 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
PHONE: 866-974-7666

SIGNATURE:

THOMAS S. PERRINO	21A001505400
SCOTT E. DOWNIE	21A001674400
STEVEN LEONE	21A001170100
STEVEN D. SIEGEL	21A001894200
JOHN F. WRIGHT	21A001784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC000563000

SEAL:

CONSULTANTS:

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

FINISH LEGEND AND DETAILS

COMMISSION NUMBER:

24K067

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DRAWING NUMBER:

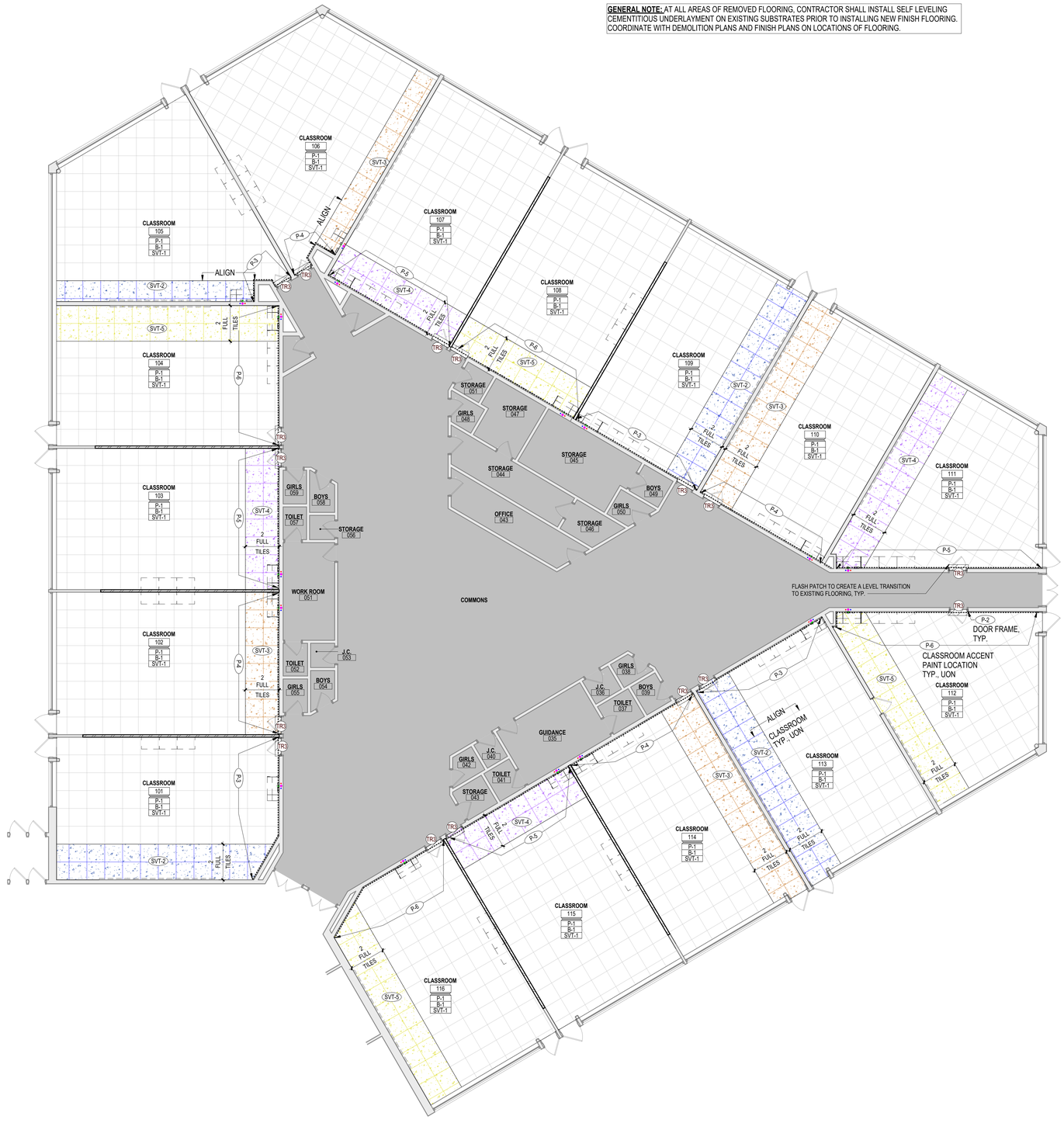
A9.0

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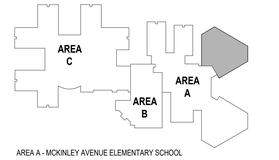
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Autodesk Docs://24K067 - Stafford BOE - Renovations at Multiple Schools/24K067 - Stafford IS and McKinley ES_MCentral.rvt



1 **FINISH PLAN - AREA A NORTH**
1/8" = 1'-0"



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

GENERAL FINISH NOTES:

CPT-1 — FINISH TAG

P-1 / WT-2 — FINISH SEPARATION TAG

SPAN DIRECTION OF SHEET OR BROAD LOOM PRODUCTS

ROOM FINISH TAG
ROOM NAME — ROOM NAME
A1000 — ROOM NUMBER
WF — TYPICAL WALL FINISH
BF — BASE FINISH
FF — FLOOR FINISH

1. NOTES PERTAIN TO AREAS WITHIN THIS SCOPE OF WORK ONLY.
2. CONTACT INTERIOR DESIGNER/ARCHITECT FOR CLARIFICATION IN THE EVENT OF CONTRADICTORY INFORMATION BETWEEN DRAWINGS, LEGEND AND/ OR SPECIFICATIONS OR IF COLOR AND/OR FINISH IS NOT SPECIFIED.
3. REFER TO FINISH LEGEND AND PLAN FOR GENERAL FINISHES.
4. REFER TO ALL INTERIOR FINISH NOTES AND INTERIOR DRAWINGS (INCLUDING PLANS, ELEVATIONS AND DETAILS) FOR COMPLETE INTERIORS INFORMATION.
5. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING PRODUCT LEAD TIMES TO ENSURE DELIVERY THAT MEETS THE PROJECT SCHEDULE.
6. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL SITE CONDITIONS AND CONFIRM QUANTITIES PRIOR TO ORDERING PRODUCTS. IN THE EVENT OF CONTRADICTORY INFORMATION CONTACT THE INTERIOR DESIGNER/ARCHITECT FOR CLARIFICATION PRIOR TO ORDERING.
7. ALL MATERIALS SHALL BE INSTALLED USING MANUFACTURERS RECOMMENDED INSTALLATION METHODS AND ADHESIVES.
8. WARRANTY INFORMATION AND INSTRUCTIONS OF MAINTENANCE ON ALL FINISH MATERIALS SHALL BE PROVIDED TO THE OWNER AND INCLUDED IN THE CLOSEOUT WARRANTY AND MAINTENANCE MANUAL.
9. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SAMPLES OF ALL FINISHES SPECIFIED TO INTERIOR DESIGNER/ARCHITECT FOR APPROVAL PRIOR TO ORDERING MATERIAL.
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11. PAINT GRILLS, WALL DIFFUSERS, ELECTRICAL PANELS, WALL MOUNTED BOXES, ACCESS PANELS, ETC., WHICH ARE EXPOSED IN FINISHED SPACES TO MATCH THE SURFACE ON WHICH THEY OCCUR IF THE ITEM IS ON A WALL-COVERED WALL. PROVIDE A CUSTOM PAINT COLOR USED TO MATCH. SUBMIT TO INTERIOR DESIGNER/ARCHITECT FOR APPROVAL.
12. ALL DIRECTIONAL LAMINATES SHOULD RUN WITH THE VERTICAL GRAIN PATTERN UON.
13. ALL WALL PAINT TO BE EGGSHELL FINISH UON.
14. ALL METAL AND PAINTED TRIM TO BE SEMI-GLOSS ENAMEL FINISH UON.
15. INSTALL DIRECTIONAL WALLCOVERING ORIENTED AS SPECIFIED IN ELEVATION.
16. ALL VINYL/RUBBER BASE TO BE ROLLED GOODS, NOT LINEAR 4' LENGTHS, UON.
17. FINISHES INDICATED ON "ROOM FINISH TAG" ARE INCLUSIVE OF ALL RESPECTIVE SURFACES IN ROOM (UNLESS OTHERWISE NOTED) WHETHER OR NOT INDICATED ON PLANS OR ELEVATIONS.

FLOOR FINISH NOTES:

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4. ALIGN TRANSITION OF FLOOR MATERIAL WITH CENTER OF HINGE IN DOORWAY UON.
5. IN A WALL OPENING WITHOUT HINGES REFER TO FINISH PLANS FOR TRANSITION LOCATION OF WRAPPED MATERIALS.
6. FLASH PATCH THE FLOOR AT TRANSITION OF ALL MATERIALS. PROVIDE TRANSITION STRIPS AS NECESSARY. SUBMIT TRANSITIONS TO INTERIOR DESIGNER/ARCHITECT FOR APPROVAL. ALL FLOORING TRANSITIONS MUST ADHERE TO THE AMERICANS WITH DISABILITIES ACT.
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CEILING NOTES – FOR ALL PROJECTS:

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CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
1365 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
PHONE: 866-974-7666

SIGNATURE:

THOMAS S. PERRINO	21A01505400
SCOTT E. DOWNIE	21A01674400
STEVEN LEONE	21A01170100
STEVEN G. SIEGEL	21A01694200
JOHN F. WRIGHT	21A01784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC00503000

SEAL:

CONSULTANTS:

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
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FOR BID: 10/15/2026

DRAWING TITLE:

FINISH PLAN - AREA A NORTH

COMMISSION NUMBER:

24K067

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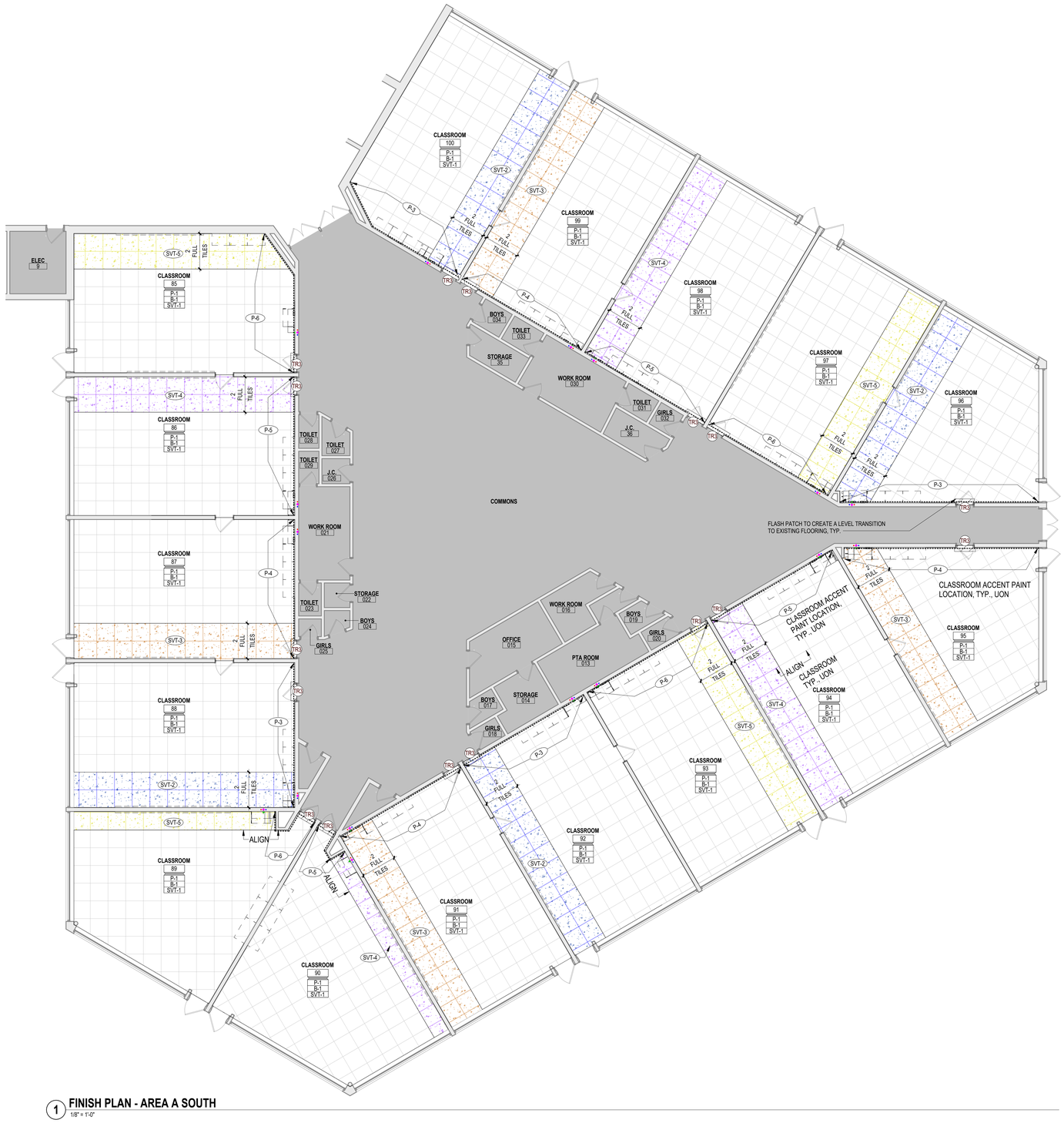
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GENERAL NOTE: AT ALL AREAS OF REMOVED FLOORING, CONTRACTOR SHALL INSTALL SELF LEVELING CEMENTITIOUS UNDERLAYMENT ON EXISTING SUBSTRATES PRIOR TO INSTALLING NEW FINISH FLOORING. COORDINATE WITH DEMOLITION PLANS AND FINISH PLANS ON LOCATIONS OF FLOORING.



1 **FINISH PLAN - AREA A SOUTH**
1/8" = 1'-0"

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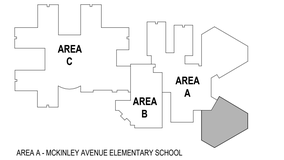
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AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH / TRUE NORTH

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
1385 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
PHONE: 866-974-7666

SIGNATURE:

THOMAS S. PERRINO	21A01505400
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JOHN F. WRIGHT	21A01784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC00063000

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RENOVATIONS AT MULTIPLE SCHOOLS

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FINISH PLAN - AREA A SOUTH

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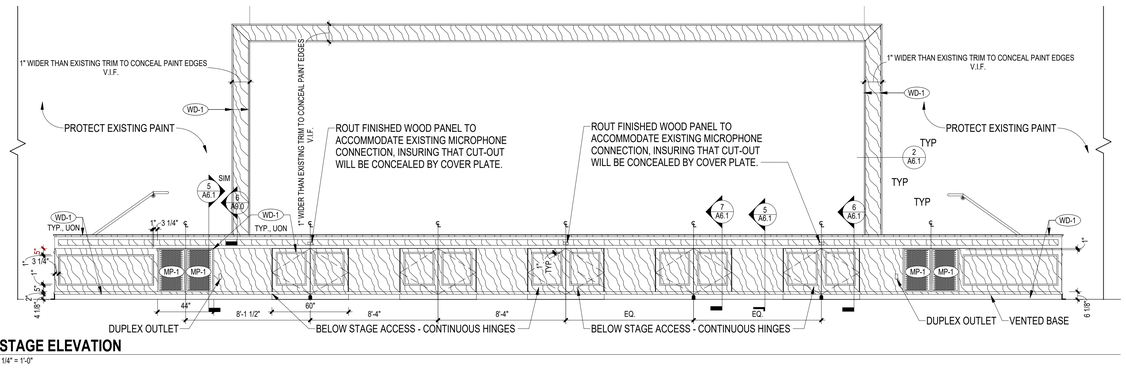
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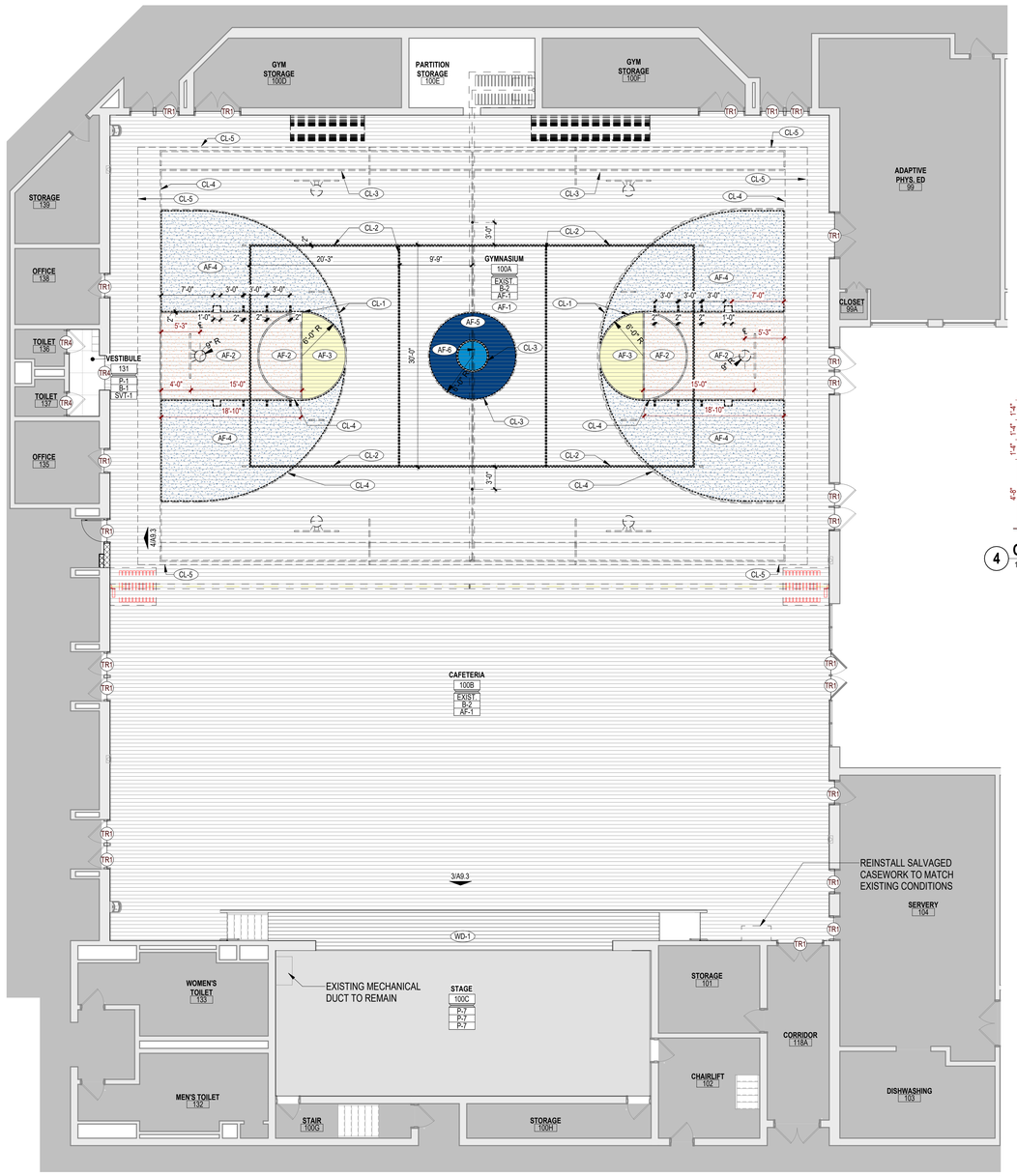
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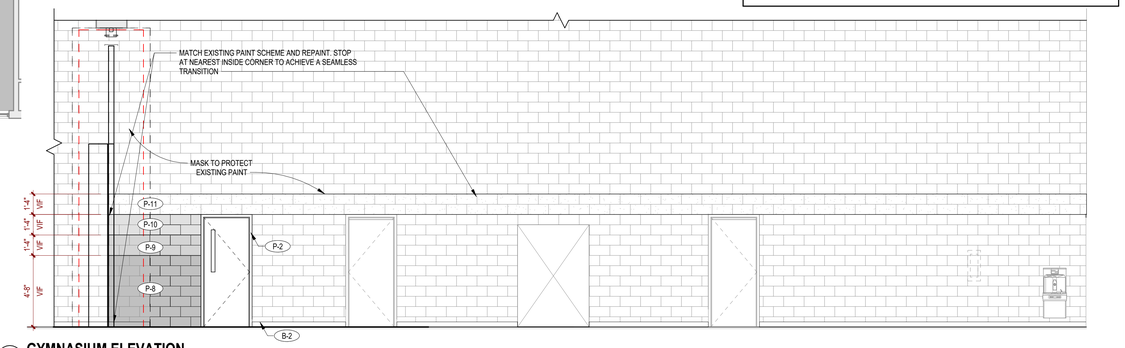
3 STAGE ELEVATION

1/4" = 1'-0"



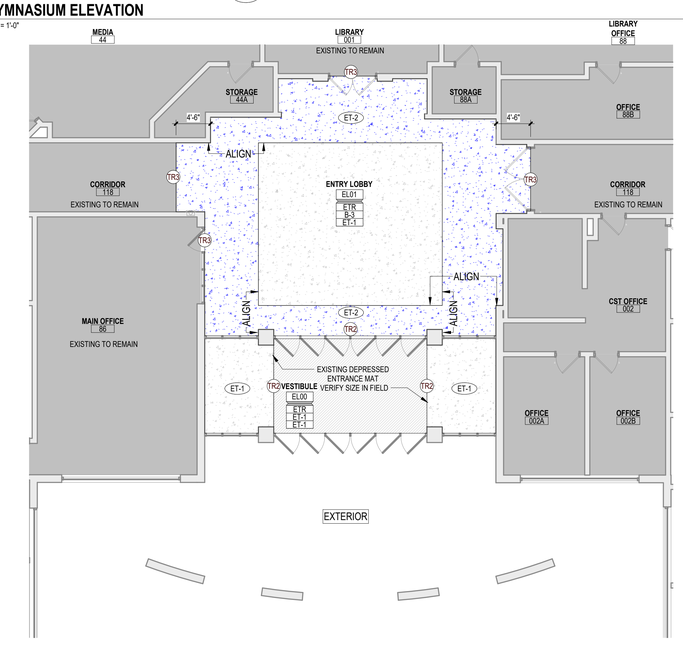
1 FINISH PLANS AND ELEVATION - AREA C

1/8" = 1'-0"



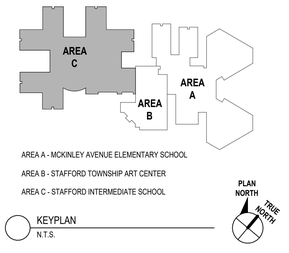
4 GYMNASIUM ELEVATION

1/4" = 1'-0"



2 FINISH PLAN - AREA C

1/8" = 1'-0"



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DRAWING TITLE:

FINISH PLANS AND ELEVATION - AREA C

COMMISSION NUMBER:

24K067

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DRAWING NUMBER:

A9.3

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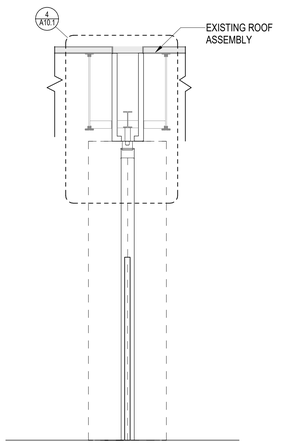
OPERABLE PARTITION SCHEDULE

MARK	LENGTH	MOTOR UNIT CLEARANCE	PANEL WIDTH
OP-1A	48'- 6 1/4"	3'-0"	3'- 10"
OP-1B	48'- 6 1/4"	3'-0"	3'- 10"
OP-2	70'- 7"	3'-0"	3'- 7"

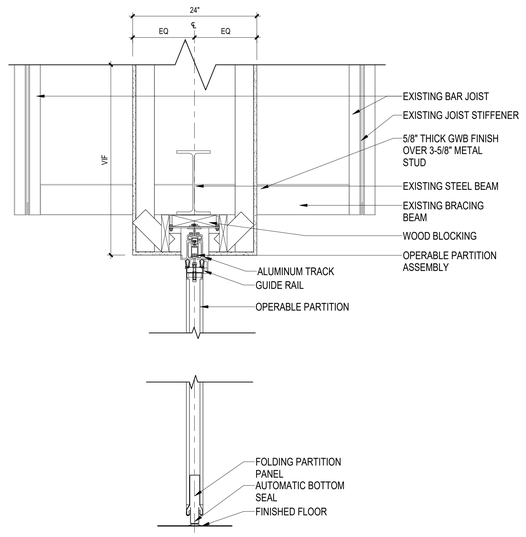
NOTE: ALL OPENINGS FOR OPERABLE PARTITIONS ARE TO MATCH EXISTING AND SHOULD BE VERIFIED IN FIELD. ALL DIMENSIONS LISTED IN SCHEDULE ARE APPROXIMATE.

OPERABLE PARTITION NOTES:

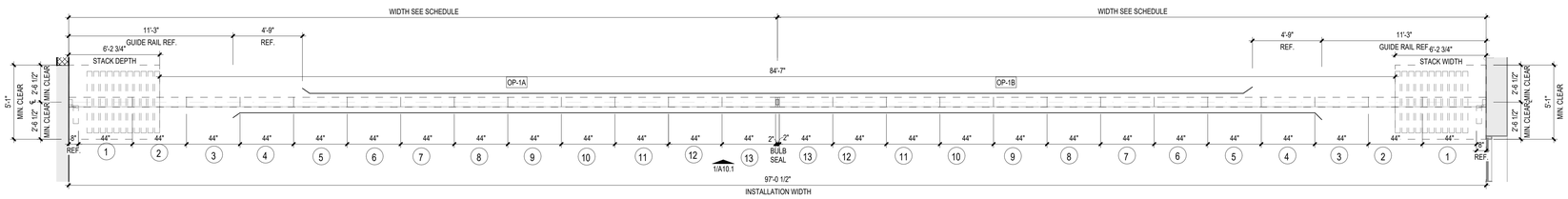
1. GC TO COORDINATE ALL SUPPORT STEEL WITH OPERABLE PARTITION MANUFACTURER.
2. SUPPORT STEEL SHALL BE LEVEL AND PRE-PUNCHED TO ACCOMMODATE HANGER ROD ASSEMBLY.
3. GC TO COORDINATE ELEVATION OF BOTTOM DROP SEAL WITH APPROVED FLOOR FINISHES.



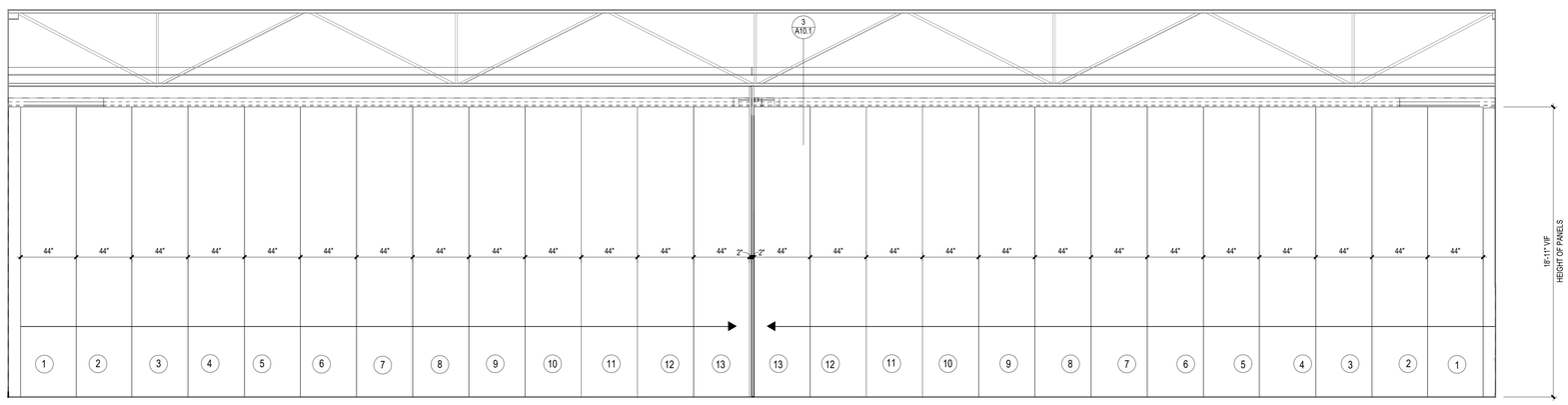
3 OPERABLE PARTITION SECTION OP-1
1/4" = 1'-0"



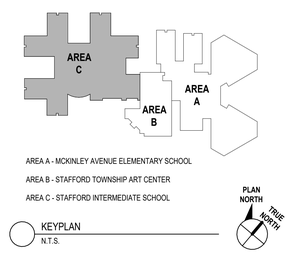
4 OPERABLE PARTITION SECTION DETAIL OP-1
1" = 1'-0"



2 OPERABLE PARTITION PLAN LAYOUT OP-1
1/4" = 1'-0"



1 OPERABLE PARTITION ELEVATION OP-1
1/4" = 1'-0"



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SUITE 2A
HAMILTON, NJ 08691
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JOHN F. WRIGHT	21A01784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC00503000

SEAL:

CONSULTANTS:

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

#	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

OPERABLE PARTITION PLAN AND DETAILS

COMMISSION NUMBER:

24K067

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

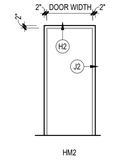
A10.1

THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"X42"

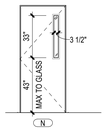
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DOOR SCHEDULE

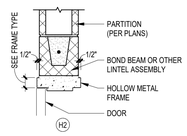
MARK	LOCATION	DOOR WIDTH(s)	DOOR HEIGHT	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	RATING (MINS)	HARDWARE SET	REMARKS
100A	GYMNASIUM	3'-0"	7'-2"	N	HM	HM2	-	1.0	MATCH EXISTING DOOR HEIGHT, V.I.F.



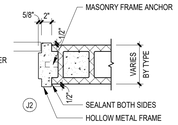
HM2



5 FRAME TYPES
1/4" = 1'-0"



6 DOOR TYPES
1/4" = 1'-0"



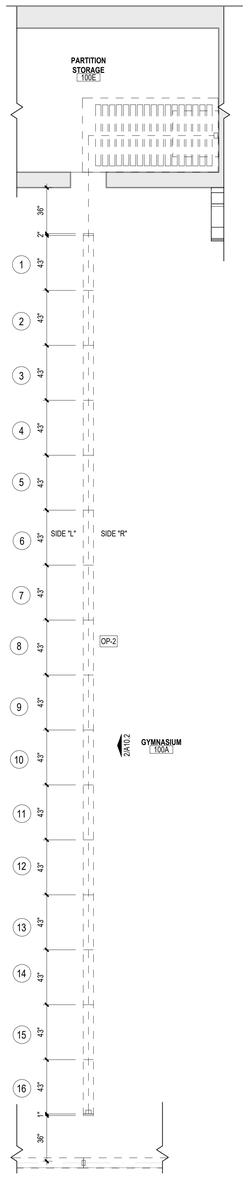
7 FRAME DETAILS
1" = 1'-0"

DOOR AND FRAME NOTES

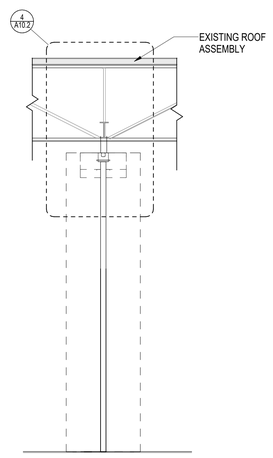
1. OPENING FORCE OF INTERIOR NON-RATED DOORS SHALL BE NO GREATER THAN 5 LBS.
2. OPENING FORCE OF FIRE RATED DOORS SHALL BE NO GREATER THAN 8 LBS.
3. ALL EXTERIOR GLAZING IN NON-RATED WALL AND DOOR ASSEMBLIES SHALL BE MINIMUM 1" INSULATED GLAZING. REFER TO SPECIFICATIONS FOR GLAZING TYPES.
4. PAINT ALL EXPOSED STEEL (COLOR AS SELECTED BY ARCHITECT).
5. PROVIDE COMPATIBLE FLASHING MATERIALS BETWEEN DISSIMILAR MATERIALS SUCH AS STEEL TO ALUMINUM.
6. SHIM ASSEMBLIES AS REQUIRED FOR PLUMB AND LEVEL. PROVIDE SEALANT AND BACKER RODS AT ALL JOINTS BETWEEN WINDOW SYSTEMS, DOOR FRAMES AND OTHER SURROUNDING CONSTRUCTION.
7. ALUMINUM WINDOW AND ENTRANCE FRAMES SHALL NOT BE INSTALLED I DIRECT CONTACT WITH DISSIMILAR BUILDING MATERIALS.
8. THE MINIMUM LATCH SIDE CLEARANCE BETWEEN THE EDGE OF DOOR AND ADJACENT WALL OR OBSTRUCTIONS ON PULL SIDE SHALL BE 1'-6" MINIMUM.
9. THE MINIMUM LATCH SIDE CLEARANCE BETWEEN THE EDGE OF DOOR AND ADJACENT WALL OR OBSTRUCTIONS ON PUSH SIDE SHALL BE 1'-2" MINIMUM.
10. DO NOT APPLY WALL BASE TO HOLLOW METAL OR ALUMINUM FRAMES, UNLESS OTHERWISE NOTED.
11. THE CONTRACTOR SHALL COORDINATE FOR INSTALLATION OF POWER, CONDUIT AND/OR WIRING, ETC. AT OPENINGS SCHEDULED TO RECEIVE DEVICES SUCH AS DOOR CONTACTS. CARD READERS. ELECTRIC LOCKS AND AUTOMATIC DOOR OPENERS.
12. ALL STUD FRAMED WALLS SHALL HAVE FULLY WRAPPED FRAMES
13. ALL CMU WALLS OF 12" NOMINAL THICKNESS OR LESS SHALL HAVE FULLY WRAPPED FRAMES
14. ALL CMU WALLS OF NOMINAL THICKNESS GREATER THAN 12" SHALL HAVE FRAMES WITH 8-3/4" THROAT DIMENSION AND BE LOCATED ON THE CORRIDOR OR SECURE SIDE OF THE OPENING. PROVIDE BULLNOSE CMU ON THE OPPOSITE SIDE.
15. FRAME CONDITIONS AT EXTERIOR OPENINGS MAY VARY. REFER TO SECTION DETAILS FOR MORE SPECIFIC INFORMATION.

ABBREVIATIONS:

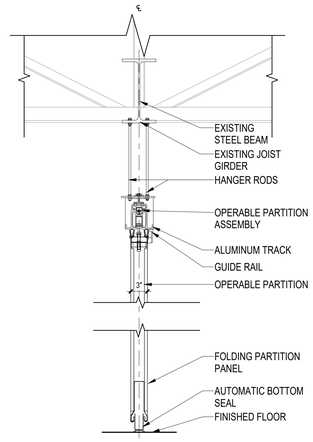
HM - HOLLOW METAL
WD - WOOD
AL - ALUMINUM
FRP - FIBER REINFORCED POLYMER



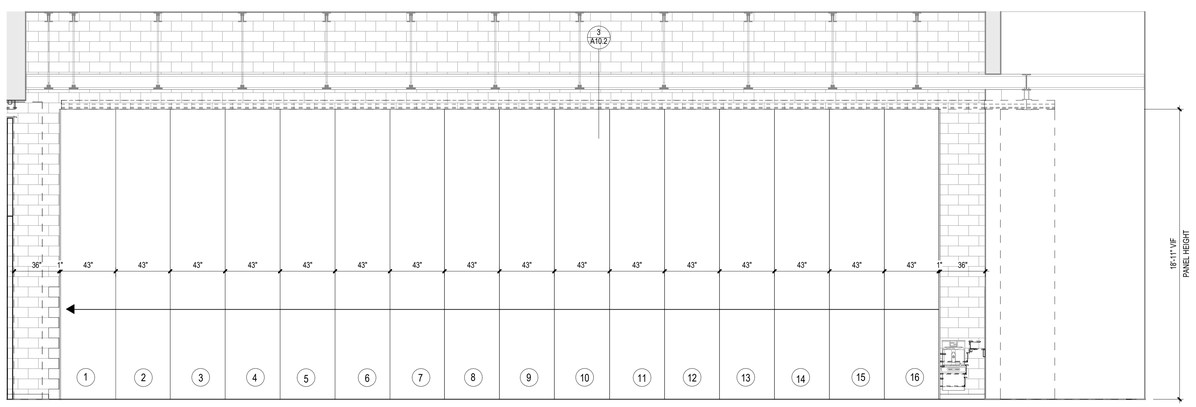
1 MANUAL OPERABLE PARTITION PLAN OP-2
1/4" = 1'-0"



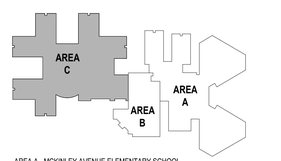
3 MANUAL OPERABLE PARTITION SECTION OP-2
1/4" = 1'-0"



4 MANUAL OPERABLE PARTITION SECTION DETAIL OP-2
1" = 1'-0"



2 MANUAL OPERABLE PARTITION ELEVATION OP-2
1/4" = 1'-0"



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
1385 YARDVILLE HAMILTON SQUARE ROAD
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SPIEZLE ARCHITECTURAL GROUP, INC.	21AC000300

SEAL:

CONSULTANTS:

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

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1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

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STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

DOOR AND OPERABLE PARTITION PLAN, DETAILS, AND SCHEDULES

COMMISSION NUMBER:

24K067

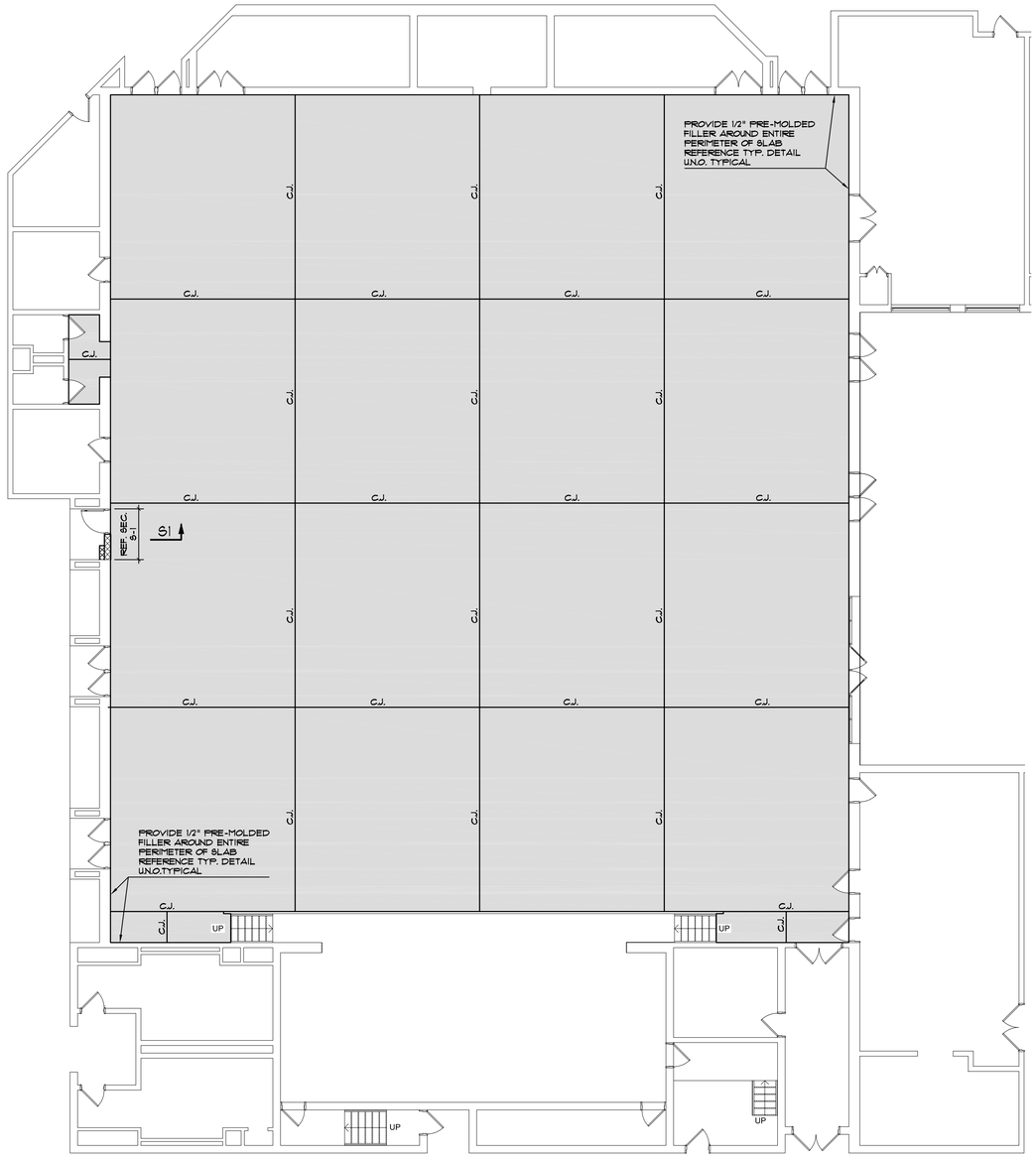
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

A10.2

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SLAB ON GRADE PLAN

1/8" = 1'-0"

REFERENCE ARCHITECTURAL DRAWINGS FOR THE TOP OF SLAB ELEVATION.
FLOOR SLAB: 4" CONC. SLAB + 6x6-W1.4xW1.4 WWF. ON A 15 MIL VAPOR BARRIER.
C.J. - INDICATES SLAB CONSTRUCTION OR CONTROL JOINT.

GENERAL NOTES

CAST-IN-PLACE CONCRETE

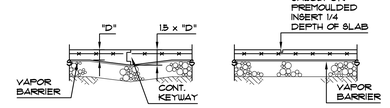
1. All concrete work shall conform to the latest edition of the ACI Building Code.
2. All concrete, except slabs on grade, shall attain 3000 PSI compressive strength at 28 days. All concrete for slabs on grade shall attain 3500 PSI compressive strength at 28 days. All concrete shall attain 4000 PSI compressive strength at 28 days.
3. Ready Mix:
   A. Comply with ACI-301, ACI-304 and ASTM C-94.
   B. Maximum time between introduction of water and placing to be 1-1/2 hours.
   C. Minimum cement content shall be 470 pounds per cubic yard for 3000 PSI concrete, and 520 pounds per cubic yard for 3500 PSI concrete, and 560 pounds per cubic yard for 4000 PSI concrete.
   D. Maximum water cement ratio shall be Ø.51 for 3000 PSI concrete, and Ø.47 for 3500 PSI concrete, and Ø.45 for 4000 PSI concrete.
   E. Maximum slump of concrete shall be 4 inches as determined by ASTM C-143. Maximum slump of concrete shall be 3 inches: and 8" after addition of HRWR to site verified 3" slump for concrete containing HRWR admixture as determined by ASTM C-143.
   F. All concrete exposed to the ground or weather shall be air entrained between 4-5% as determined by ASTM C-231 or C-173.
   G. Do not load trucks above rated capacity.
   H. High-Range Water-Reducing Admixture (Super Plasticizer) shall conform to ASTM C-494, Type F or G and contain not more than Ø.1 percent chloride ions.
4. Cold weather concreting shall be in accordance with ACI-306.
5. Prepare concrete test cylinders from each day's pour. Cylinders shall be properly cured, stored and tested. Submit results to Architect.
6. Throughout construction the concrete work shall be adequately protected against damage due to excessive loading, construction equipment, materials or methods, ice, rain, snow, excessive heat and freezing temperatures.
7. Early drying out of concrete, especially during the first 24 hours, shall be carefully guarded against. All surfaces shall be moist cured or protected using a membrane curing agent applied as soon as forms are removed. If membrane curing agent is used, exercise care not to damage coating.
8. Bending, tack welding, cutting or substitute reinforcing other than as shown on the contract drawing is prohibited unless specific approval for each case is given by architect.
9. Concrete shall be conveyed, placed and finished in a workmanlike manner.
10. Prior to making repairs, contractor shall obtain permission from architect to make patches for other than minor honeycombing.
11. Contractor to coordinate requirements of structural, architectural, mechanical and electrical drawings.
12. All materials shall be stored to protect them against the elements.

REINFORCING

1. All reinforcing bar details shall conform to the latest ACI code and detailing manual.
2. All bars shall be ASTM A-615, Grade 60.
3. Welded wire fabric shall be ASTM A-185.
4. Provide and schedule with the shop drawings all necessary accessories to hold reinforcing securely in position.
5. Clearance of main reinforcing from adjacent surfaces unless shown otherwise shall be:
   A. Unformed surfaces in contact with ground or exposed to the weather: 3"
   B. Bottom surfaces of slabs on grade: 3"
   C. Formed surfaces in contact with ground or exposed to weather:
      1. #5 bars or smaller: 1-1/2"
      2. Bars larger than #5: 2"
   D. Exterior wall surfaces: 2"
   E. In all cases not less than the diameter of the bar.
6. All reinforcement shall be inspected and approved before concrete is poured.
7. Tolerances for placing reinforcing shall be:
   A. +or- 1/4 inch for members with an effective depth of 24 inches or less.
   B. +or- 1/2 inch for members with an effective depth of more than 24 inches.

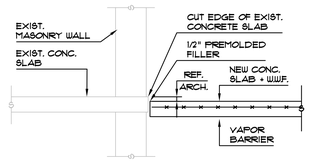
MISCELLANEOUS

1. Contractor shall verify all dimensions, sections and elevations on the job.
2. Consult the Architectural, Mechanical and Electrical drawings for verification of location and dimensions of chases, inserts, openings, sleeves, washes, drips, reveals, depressions, equipment pads and other product requirements.
3. Reproductions of contract documents are not acceptable as shop drawings and will be rejected.
4. See specifications for additional requirements. In the case of conflict between specifications and general notes, more stringent requirements shall govern.



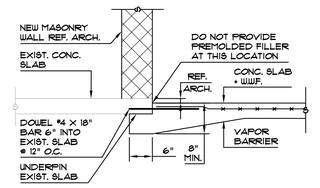
@ CONSTRUCTION JOINT @ CONTROL JOINT

TYPICAL SLAB ON GRADE DETAILS



TYPICAL SLAB @ PERIMETER DETAIL

3/4"=1'-Ø"



SECTION - S1

3/4"=1'-Ø"

CODE REVIEW:

CERTIFICATE:

spiezle

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DONALD M. HAMNETT N.J.P.E. #17976 — 8/14/26 DATE

BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
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STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

SLAB-ON-GRADE FLOOR PLAN - AREA C

COMMISSION NUMBER:

24K067

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

S1.1

Drawing name: D:\Jobs\24k067-Stafford Intermediate School-Folding Partition-24K067-Spiezle\SDC Detail.dwg
Date: Aug 14, 2026 — 4:12pm

SYMBOLS - MECHANICAL DUCT

NOTE: ALL MAY NOT BE USED.

SYMBOL (ROUND / RECTANGULAR / OVAL)	ABBR.	DESCRIPTION
	SA	SUPPLY AIR DUCT TURNING UP
		SUPPLY AIR DUCT TURNING DOWN
	RA	RETURN AIR DUCT TURNING UP
		RETURN AIR DUCT TURNING DOWN
	EA	EXHAUST AIR DUCT TURNING UP
		EXHAUST AIR DUCT TURNING DOWN
	OA	OUTSIDE AIR DUCT TURNING UP
		OUTSIDE AIR DUCT TURNING DOWN
12x10		RECTANGULAR DUCT
12ø		ROUND DUCT
12/10		OVAL DUCT
	FSD	CLASS 1 COMBINATION FIRE & SMOKE DAMPER WITH DUCT ACCESS DOOR AND DUCT MOUNTED ACTUATOR. REFER TO ELECTRICAL PLANS FOR POWER REQUIREMENTS.
	SD	CLASS 1 SMOKE DAMPER WITH DUCT ACCESS DOOR AND DUCT MOUNTED ACTUATOR. REFER TO ELECTRICAL PLANS FOR POWER REQUIREMENTS.
	FD	DYNAMIC TYPE B OR TYPE C FIRE DAMPER WITH DUCT ACCESS DOOR. COORDINATE DAMPER RATING WITH ARCHITECTURAL WALL SCHEDULE.
	MD	CLASS 1 MOTORIZED DAMPER. REFER TO ELECTRICAL PLANS FOR POWER REQUIREMENTS.
	BD	LOCKING MANUAL OPPOSED BLADE BALANCING DAMPER
		MITERED ELBOW WITH TURNING VANES.
		MITERED ELBOW WITHOUT TURNING VANES AND WITH LINER.
		RADIUS DUCT ELBOW. RADIUS ELBOWS SHALL BE 1.5W/1.5D ELBOWS UNLESS OTHERWISE NOTED.
		GORED ELBOW (OVAL DUCT)
		FLEXIBLE DUCT
DIFFUSER TYPE / $ / NECK SIZE / CFM		DIFFUSER TAG
EQUIPMENT TYPE / EQ # / EQUIPMENT NUMBER		EQUIPMENT TAG
FCU		NEW MECHANICAL EQUIPMENT, REFER TO SCHEDULES
		DEMOLITION WORK
		EXISTING CONDITIONS
		NEW CONSTRUCTION
		TEMPORARY WORK
		CONNECT TO EXISTING
		LIMIT OF DEMOLITION
T		THERMOSTAT/TEMPERATURE SENSOR
H		HUMIDISTAT/HUMIDITY SENSOR
SD		DUCT SMOKE DETECTOR (COORDINATE WITH ELECTRICAL CONTRACTOR)
CO2		CARBON DIOXIDE SENSOR
CO		CARBON MONOXIDE SENSOR
DP		DIFFERENTIAL PRESSURE SENSOR
SP		STATIC PRESSURE SENSOR

MECHANICAL SHEET INDEX

Sheet Number	Sheet Name	Revisions: Latest Rev	Revisions: Date
09 - MECHANICAL			
M0.0	MECHANICAL SPECIFICATIONS & LEGEND		
MD1.1	MECHANICAL DEMOLITION PLAN - AREA A		
MD1.2	MECHANICAL DEMOLITION PLAN - AREA A NORTH		
MD1.3	MECHANICAL DEMOLITION PLAN - AREA A SOUTH		
M1.1	MECHANICAL PLAN - AREA A		
M1.2	MECHANICAL PLAN - AREA A NORTH		
M1.3	MECHANICAL PLAN - AREA A SOUTH		
M5.1	DETAILS AND SCHEDULES		

SCOPE OF WORK

DEMOLITION:
PRIOR TO START OF WORK, MECHANICAL CONTRACTOR SHALL VERIFY EXISTING DIFFUSER NECK SIZES AND RECORD EXISTING SUPPLY AIRFLOW IN AREA OF MECHANICAL SCOPE. REMOVE EXISTING AIR DISTRIBUTION FROM CEILINGS BEING DEMOLISHED. EXISTING FLEXIBLE RUNOUTS TO REMAIN FOR CONNECTION TO NEW AIR DISTRIBUTION DEVICES.

NEW CONSTRUCTION:
MECHANICAL CONTRACTOR SHALL INSTALL NEW AIR DISTRIBUTION IN NEW CEILINGS AND CONNECT EXISTING RUNOUTS. AFTER INSTALLATION, MECHANICAL CONTRACTOR SHALL BALANCE NEW SUPPLY DIFFUSERS TO PRECONSTRUCTION AIRFLOWS.

MECHANICAL SPECIFICATIONS

SCOPE OF WORK

1. THE WORK INCLUDED UNDER THIS SECTION CONSISTS OF FURNISHING ALL MATERIALS, EQUIPMENT AND LABOR, AND THE PERFORMING OF ALL DRAWINGS TO BE PERFORMED BY OTHERS, FOR THE INSTALLATION OF ALL HEATING AND COOLING EQUIPMENT, PIPING AND ALL DUCTWORK, GRILLES, REGISTERS, ETC., INCLUDING ALL CONNECTIONS TO EACH SYSTEM AS SPECIFIED HEREIN AND SHOWN ON THE DRAWINGS. IT SHALL FURTHER INCLUDE FURNISHING AND INSTALLING ALL MISCELLANEOUS ITEMS REQUIRED FOR THE OPERATION OF THE SYSTEM, WHETHER SPECIFICALLY CALLED OUT OR NOT.

EXISTING CONDITIONS

1. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL UTILITIES PRIOR TO BID. THE CONTRACTOR SHALL VISIT THE SITE AND INSPECT THE WORK THEY MUST PERFORM, IN ADDITION TO WHAT IS SHOWN HEREIN, AND INCLUDE IN THEIR BID AN AMOUNT TO DO SUCH WORK.

COORDINATION

1. ALL CONTRACTS SHALL BE RESPONSIBLE FOR COORDINATING WORK WITH OTHER TRADES AFFECTED BY EACH OTHERS WORK.
2. ANY DISCREPANCIES ON THIS PROJECT SHALL BE IN WRITTEN FORM AS AN RFI WITH PROPOSED SOLUTION TO THE ARCHITECT PRIOR TO ANY WORK. IF CONTRACTOR PROCEEDS PRIOR TO WRITTEN AUTHORIZATION, THE CONTRACTOR WILL TAKE FULL RESPONSIBILITY FOR THE CHANGES.
3. ALL SUBMITTALS, RFIS, AND SHOP DRAWINGS FOR APPROVAL BY ENGINEER SHALL BE SUBMITTED IN A TIMELY MANNER. ENGINEER SHALL HAVE 10 BUSINESS DAYS TO RESPOND TO ANY AND ALL SUBMISSIONS UNLESS AN EXPEDITED RESPONSE IS APPROVED BY ENGINEER.

CODES AND PERMITS

1. ALL MATERIALS, EQUIPMENT AND INSTALLATION MUST COMPLY WITH ALL APPLICABLE LAWS, CODES, RULES AND REGULATIONS, REQUIRED BY CITY, COUNTY AND STATE, AS WELL AS FEDERAL REQUIREMENTS.
2. PERMITS: OBTAIN AND PAY FOR ALL REQUIRED PERMITS, LICENSES AND FEES.
3. INSPECTIONS: FURNISH ARCHITECT WITH CERTIFICATE OF INSPECTION AND APPROVAL BY LOCAL AUTHORITIES PRIOR TO FINAL ACCEPTANCE OF THE PROJECT BY THE ARCHITECT. ALL WORK MUST BE INSPECTED.

PRODUCTS

1. ALL PRODUCTS SHALL BE NEW AND UNUSED OF ESTABLISHED AND REPUTABLE MANUFACTURERS. ITEMS OF EQUIPMENT USED FOR THE SAME PURPOSE SHALL BE OF THE SAME MANUFACTURER.
2. SYSTEMS SHALL BE COMPLETE AND OPERABLE. ANY ACCESSORIES REQUIRED FOR THE OPERATION OF THE SYSTEM SHALL BE INCLUDED AS REQUIRED FOR THE OPERATION OF THE SYSTEM SHALL BE INCLUDED EVEN THOUGH SPECIFICALLY INDICATED TO BE PROVIDED. SUCH ACCESSORIES WOULD INCLUDE FILTERS, CONDENSATE DRAINS, RELIEF VALVES, SERVICE VALVES, THERMOSTATS, VIBRATION INSULATORS, ETC. MOTOR STARTERS FOR PREWIRED EQUIPMENT (AND OTHER PROTECTION AND CONTROL DEVICES) ARE ALSO INCLUDED IN THIS SPECIFICATION. SPECIFIC REFERENCE TO A MANUFACTURER'S PRODUCT IS ONLY TO ESTABLISH TYPE, QUALITY, AND PERFORMANCE REQUIRED. THESE QUALIFICATIONS ARE IN ADDITION TO THE REQUIREMENTS SHOWN ON THE DRAWINGS AND HEREIN THESE SPECIFICATIONS. LISTING OF ALTERNATE EQUIPMENT MANUFACTURERS SHALL NOT BE CONSTRUED AS AN UNCONDITIONAL APPROVAL OF THE PRODUCTS OF THOSE MANUFACTURERS.
3. ALL EQUIPMENT LISTED IN THE CONTRACT DOCUMENTS SCHEDULES SHALL BE PROVIDED WITH A MANUFACTURER START-UP OR PRECERTIFIED MANUFACTURER REPRESENTATIVE START-UP.

SUPPORTS

1. ALL PIPE AND EQUIPMENT HANGERS AND SUPPORTS INCLUDING CLAMPS, HANGER-ROD ATTACHMENTS, SADDLES AND SHIELDS, SPRING HANGERS, PIPE ALIGNMENT GUIDES AND ANCHORS SHALL COMPLY WITH MSS SP-58. PROVIDE SUPPORTS AT SPACINGS AS REQUIRED BY CURRENT MECHANICAL CODE SECTION 305.4.

VIBRATION CONTROL

1. ALL MOTORIZED EQUIPMENT INSTALLED UNDER DIVISION 22 OR 23 AND WEIGHING MORE THAN 25 LBS SHALL RECEIVE VIBRATION CONTROL SUPPORTS UNLESS INTEGRAL TO FURNISHED EQUIPMENT MOUNTING.
   A. WHERE EQUIPMENT RESTS ON A HOUSEKEEPING PAD OR CURB AND LOADING DOES NOT EXCEED 60 PSI, PROVIDE DOUBLE-RIBBED NEOPRENE PADS BETWEEN ALL EQUIPMENT SUPPORTS AND HOUSEKEEPING PAD. SECURE UNIT FROM HORIZONTAL TRAVEL AS REQUIRED. KINETICS NOISE CONTROL NPD OR EQUAL.
   B. WHERE EQUIPMENT RESTS ON A HOUSEKEEPING PAD OR CURB AND LOADING EXCEEDS 60 PSI, PROVIDE PRE-MOLDED FIBERGLASS ISOLATION PAD BETWEEN ALL EQUIPMENT SUPPORTS AND HOUSEKEEPING PAD. SECURE UNIT FROM HORIZONTAL TRAVEL AS REQUIRED. KINETICS NOISE CONTROL KIP OR EQUAL.
   C. WHERE EQUIPMENT IS SUSPENDED BY THREADED RODS, PROVIDE SPRING ISOLATION HANGERS. USE MANUFACTURER'S LISTED CORNER WEIGHTS FOR SIZING IF APPLICABLE. COORDINATE LOCATIONS WITH STRUCTURAL ENGINEER. KINETICS NOISE CONTROL SH OR EQUAL.
   D. WHERE EQUIPMENT IS FREESTANDING, PROVIDE HOUSED SPRING ISOLATORS. USE MANUFACTURER'S LISTED CORNER WEIGHTS FOR SIZING IF APPLICABLE. COORDINATE LOCATIONS WITH STRUCTURAL ENGINEER. KINETICS NOISE CONTROL SM OR EQUAL.
2. PROVIDE FLEXIBLE CONNECTIONS FOR ALL DUCT AND PIPING CONNECTIONS TO ISOLATED EQUIPMENT.

SUBSTITUTIONS

1. SUBSTITUTIONS OF MATERIALS OR PRODUCTS SHOWN HEREIN SHALL BE AT THE OWNER'S, ARCHITECTS, OR ENGINEER'S WRITTEN APPROVAL ONLY WITH COPIES OF APPROVAL SENT TO THE PROJECT FILE. ANY DEVIATION FROM THESE DRAWINGS WILL NOT BE ALLOWED.
2. ANY FIELD CHANGES BY THE CONTRACTOR FOR WHICH THE LOCAL AUTHORITY REQUIRES A SEALED LETTER AND/OR DRAWING BY THE ENGINEER SHALL RESULT IN A COST TO THE CONTRACTOR. THE FEE FOR THESE CHANGES SHALL BE PAYABLE UPON DELIVERY OF THE LETTER/DRAWING AND UNLESS THE CHANGE WAS INSTITUTED BY THE OWNER, THE CONTRACTOR SHALL NOT CHARGE THE OWNER THIS FEE
3. FEE FOR THE ABOVE NOTED LETTER/DRAWING SHALL BE $250. - PER ITEM
4. ANY DEVIATIONS FROM THESE PLANS (FOR ANY REASON INCLUDING ACTUAL FIELD CONDITIONS) WITH OUT PRIOR WRITTEN APPROVAL SHALL BE THE COMPLETE RESPONSIBILITY OF THE INSTALLING CONTRACTOR.

EQUIPMENT, DUCTWORK, AND PIPING IDENTIFICATION

1. MANUFACTURERS: ADVANCED GRAPHIC ENGRAVING, BRIMAR INDUSTRIES, CRAFTMARK PIPE MARKERS, KOLBI PIPE MARKER CO, OR SETON IDENTIFICATION PRODUCTS
2. NAMEPLATES FOR ALL MECHANICAL EQUIPMENT
   A. LETTER COLOR: WHITE, LETTER HEIGHT: 1/4 INCH, BACKGROUND COLOR: BLACK, PLASTIC: COMPLY WITH ASTM D709. PROVIDE ALL INFORMATION AS LISTED IN EQUIPMENT SCHEDULES. PERMANENTLY ATTACHED. ACCEPTABLE ALTERNATIVE OF EMBOSSED STEEL WITH 1/4" LETTING.
3. TAGS FOR ALL HVAC AND PLUMBING VALVES
   A. METAL TAGS: BRASS WITH STAMPED LETTERS; TAG SIZE MINIMUM 1-1/2 INCH DIAMETER WITH SMOOTH EDGES.
      1. BRASS, 19-GAUGE THICK VALVE TAGS WITH 3/16" DIAMETER TOP HOLE FOR FASTENER OR CHAIN, BLANK OR PRE-STAMPED LETTERING, AND NATURAL BRASS FINISH. TOP LINE (SYSTEM) LETTERING SHALL BE 1/4" AND BOTTOM LINE (VALVE NUMBER) SHALL BE 1/2". PROVIDE BRASS OR STAINLESS STEEL BEADED CHAIN WITH LOCKING LINKS TO ATTACH TAG TO VALVE.
   B. VALVE TAG CHART: TYPEWRITTEN LETTER SIZE LIST IN ANODIZED ALUMINUM FRAME.
4. STENCILS FOR ALL CANVAS JACKETED PIPING AND DUCTWORK
   A. STENCILS: WITH CLEAN CUT SYMBOLS AND LETTERS OF FOLLOWING SIZE: DUCTWORK AND EQUIPMENT: 2-1/2 INCH HIGH LETTERS.
   B. STENCIL PAINT: AS SPECIFIED IN SECTION 099123, SEMI-GLOSS ENAMEL, COLORS COMPLYING WITH ASME A13.1.
5. PIPE MARKERS FOR ALL PIPING UNLESS NOTED OTHERWISE.
   A. COLOR: COMPLY WITH ASME A13.1.
   B. PLASTIC PIPE MARKERS: FACTORY FABRICATED, FLEXIBLE, SEMI- RIGID PLASTIC, PREFORMED TO FIT AROUND PIPE OR PIPE COVERING; MINIMUM INFORMATION INDICATING FLOW DIRECTION ARROW AND IDENTIFICATION OF FLUID BEING CONVEYED.
   C. UNDERGROUND PLASTIC PIPE MARKERS: BRIGHT COLORED CONTINUOUSLY PRINTED PLASTIC RIBBON TAPE, MINIMUM 6 INCHES WIDE BY 4 MIL THICK, MANUFACTURED FOR DIRECT BURIAL SERVICE. PROVIDE IN ALL LOCATIONS WHERE UNDERGROUND PLASTIC PIPING IS UTILIZED.

DUCTWORK

1. ALL DUCTWORK AND PLENUMS SHALL BE GALVANIZED SHEET METAL. FABRICATE AND INSTALL ALL DUCTWORK IN STRICT CONFORMANCE WITH THE LATEST SMACNA MANUAL, AND I.M.C. FOR LOW VELOCITY DUCT CONSTRUCTION STANDARDS.
2. PROVIDE SPIRAL DUCTWORK WHERE INDICATED ON PLANS. FINISH TO BE DETERMINED BY ARCHITECT. ELBOWS AND FITTINGS SHALL BE PRE-MANUFACTURED CONSTRUCTION WITH WELDED SEAM, STANDING SEAM, OR GORED FITTING.
3. EACH DUCT SYSTEM SHALL BE COMPLETE WITH ALL REQUIRED DUCTWORK FITTINGS, TURNING VANES, SPLITTER DAMPERS AND SUPPORTS, AND EXTRACTORS AT ALL RIGHT ANGLE TAKEOFFS AND TEES.
4. DUCTWORK SHALL BE GALVANIZED, PRIME-GRADE, LOCK-FORMING QUALITY STEEL (LFQ) HAVING A GALVANIZED COATING OF 1-3/4" OUNCES TO TOTAL FOR BOTH SIDES OF ONE SQUARE FOOT OF A SHEET.
5. CROSSBREAK ALL SIDES OF ALL DUCTS. DUCTWORK SHALL BE INSTALLED WITH NO OBJECTIONABLE NOISE, AND CONTRACTOR SHALL PROVIDE ANY ADDITIONAL STIFFENERS REQUIRED.
6. ALL LONGITUDINAL SEAMS SHALL BE PITTSBURGH LOCK SEAM, HAMMERED FLAT, WITH ALL TRANSVERSE JOINTS TAPED WITH 8 OZ. CANVASS AND SEALED WITH ARABOL, AIR TIGHT.
7. PROVIDE DOUBLE THICKNESS, FACTORY FABRICATED GALVANIZED SHEET STEEL TURNING VANES WITH AIRFOIL CONTOUR IN ALL RIGHT ANGLE ELBOWS, TEES, AND ELBOWS WITH RADIUS LESS THE 1-1/2 TIMES THE WIDTH OF THE DUCT.
8. ALL ROUND DUCT BRANCH TAKEOFFS SHALL BE PROVIDED WITH SPIN-IN WITH AIRSCOOP AND BALANCING DAMPER.
9. DUCT SIZES SHOWN ON THE DRAWINGS ARE TO THE INSIDE OF ACOUSTICAL LININGS. INCREASE SIZES OF DUCTS AS REQUIRED TO ACCOMMODATE ACOUSTICAL INSULATION.
10. DUCTWORK SHALL CONFORM TO DIMENSIONS ON THE DRAWINGS, UNLESS LOCATION OF STRUCTURAL MEMBERS PROHIBITED. INCASE OF CHANGE IN DIMENSIONS, CROSS SECTIONAL AREAS SHALL BE MAINTAINED.
11. ALL DUCTS SHALL BE SUBSTANTIALLY SUPPORTED WITH HANGERS TO THE STRUCTURE OR OTHERWISE DEPENDING ON LOCATION CONDITIONS, PLACING SUPPORTS NOT OVER 8 FEET APART ALONG THE LENGTH OF THE DUCT. HANGERS SHALL CONFORM TO ALL SMACNA REQUIREMENTS.
12. FLEXIBLE ROUND DUCTS TO OUTLETS SHALL BE THERMAFLEX TYPE MKE, A MAXIMUM LENGTH OF 6'-0" LONG (ONLY WHERE INDICATED ON THE DRAWINGS).
13. ALL FACTORY-MADE DUCTS MUST BE CLASS 0 OR 1 AS APPROVED BY THE INTERNATIONAL MECHANICAL CODE.

ACOUSTICAL INSULATION

1. ALL SHEET METAL DUCT AS FOLLOWS:
   A. RETURN TRANSFER DUCTS AND BOOTS.
2. SCOPE AND THICKNESS:
   A. ALL SHEET METAL RETURN AND PLENUMS, RETURN TRANSFER DUCTWORK - 1/2" ACOUSTICAL LINER.
   B. MATERIAL: MINIMUM 1-1/2 LB. NEOPRENE OR HEAVY DENSITY COATED FIBERGLASS DUCT LINER SUITABLE FOR VELOCITIES UP TO 4,000 FPM COMPLYING WITH NFPA 90A.
   C. APPLICATION: COATED DUCT LINER SHALL BE CUT TO ASSURE OVERLAPPED AND COMPRESSED LONGITUDINAL CORNER JOINTS. APPLY LINER WITH COATED SURFACE FACING THE AIR STREAM AND ADHERED WITH 100% COVERAGE FIRE RETARDANT ADHESIVE. COAT ALL EXPOSED LEADING EDGES AND ALL TRANSVERSE JOINTS WITH FIRE RETARDANT ADHESIVE. THE LINER SHALL BE ADDITIONALLY SECURED WITH MECHANICAL FASTENERS WHICH SHALL COMPRESS THE DUCT LINER SUFFICIENTLY TO HOLD IT FIRMLY IN PLACE AS FOLLOWS:
   D. INSTALLATION FOR VELOCITIES TO 2,000 FPM: FASTENERS SHALL START WITHIN 3" OF THE UPSTREAM TRANSVERSE EDGES OF THE LINER AND 3" FROM THE LONGITUDINAL JOINTS AND SHALL BE SPACED AT A MAXIMUM OF 12" O.C. AROUND THE PERIMETER OF THE DUCT, EXCEPT THAT THEY MAY BE A MAXIMUM OF 12" FROM A CORNER BREAK. ELSEWHERE, THEY SHALL BE A MAXIMUM OF 18" O.C. EXCEPT THAT THEY SHALL BE PLACED NOT MORE THAN 6'-0" FROM A LONGITUDINAL JOINT OF THE LINER NOR 12" FROM A CORNER BREAK. COAT ALL EXPOSED JOINTS AND EDGES OF TRANSVERSE JOINTS WITH A FIRE RETARDANT ADHESIVE.

THERMAL INSULATION

1. GENERAL: ALL INSULATION, MATERIAL, COVERINGS, ADHESIVE, VAPOR-BARRIERS AND TAPES SHALL CONFORM TO NFPA 90A, FLAME SPREAD CLASSIFICATION NOT TO EXCEED 25 AND SMOKE DEVELOPMENT, NOT TO EXCEED 50.
2. ALL NEW RECTANGULAR DUCTS AND ROUND DUCTS SHALL BE INSULATED WITH 1.5" THICK 0.75 LB. DENSITY FIBERGLASS BLANKET WITH FRK (FOIL REINFORCED KRAFT) VAPOR BARRIER FACING. INSULATION SHALL HAVE A CONDUCTIVITY NOT TO EXCEED 0.27 BTU PER INCH PER SQUARE FOOT PER DEGREE FAHRENHEIT PER HOUR AT 75 DEGREE FAHRENHEIT MEAN TEMPERATURE.
3. INSULATION SHALL BE WRAPPED TIGHTLY ON THE DUCTWORK WITH ALL CIRCUMFERENTIAL JOINTS BUTTED AND LONGITUDINAL JOINTS OVERLAPPED A MINIMUM OF 2". ADHERE INSULATION TO METAL ON THE BOTTOM OF RECTANGULAR DUCTWORK OVER 24" WIDE WITH 4" STRIP OF INSULATION BONDING ADHESIVE, BENJAMIN FOSTER 85-15, OR EQUAL, AND ADDITIONALLY SECURE INSULATION WITH MECHANICAL FASTENERS AT NOT MORE THAN 18" O/C AND TAPED WITH MINIMUM 3" WIDE FOIL REINFORCED KRAFT TAPE. ALL PIN PENETRATIONS OR PUNCTURES IN FACING SHALL ALSO BE TAPED. VERTICAL DUCTS SHALL HAVE INSULATION ADEQUATELY SECURED TO PREVENT SLIPPING.
4. EXHAUST DUCTS SHALL NOT BE INSULATED.
5. OUTDOOR DUCTWORK SHALL BE INSULATED INTERNALLY WITH 2" DUCTLINER. INSTALL PER MANUFACTURERS INSTRUCTIONS. ALL OUTDOOR DUCTWORK JOINTS SHALL BE SEALED WITH SILICONE SEALANT AND MADE COMPLETELY WEATHERTIGHT AND LEAK PROOF.
6. SUPPLY AND RETURN AIR DUCTS SHALL BE INSULATED RETURN AIR DUCTS AS FOLLOWS:
   A. R-6 WHERE LOCATED IN UNCONDITIONED SPACES
   B. R-8 WHERE LOCATED OUTDOORS OR UNDERGROUND IN CLIMATE ZONES 0-4
   C. R-12 WHERE LOCATED OUTDOORS OR UNDERGROUND IN CLIMATE ZONES 5-8

GRILLES, REGISTERS AND DIFFUSERS

1. FURNISH AND INSTALL ALL GRILLES, REGISTERS, CEILING DIFFUSERS AND DOOR GRILLES WHERE INDICATED. THEY SHALL BE OF SIZE AND MODEL CALLED FOR ON THE DRAWINGS.
2. ALL GRILLES, REGISTERS, AND CEILING DIFFUSERS MUST BE SET FLUSH AND TRUE TO WALL OR CEILING TO PREVENT AIR LEAKAGE AROUND EDGES. ALL UNITS SHALL BE PROVIDED WITH NEOPRENE GASKETING AROUND THE INSIDE OF THE FRAME.
3. ALL UNITS SHALL BE FACTORY FINISHED, OF COLOR SELECTED BY THE ARCHITECT, OR AS OTHERWISE INDICATED.
4. PAINT ALL DUCTWORK, TURNING VANES, INSULATION, ETC. THAT IS VISIBLE THROUGH GRILLES, REGISTERS, OR CEILING DIFFUSERS FLAT BLACK.

CONTROLS

1. ALL CONTROL WIRING, DEVICES, RELAYS, AND CONTROL POWER SUPPLIES NECESSARY FOR COMPLETE INSTALLATION OF EQUIPMENT SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR.
2. CONTROL WIRING SHALL BE 18/2 SHIELDED COPPER CABLE INSTALLED IN MINIMUM 1/2" EMT CONDUIT WHERE EXPOSED OR PLENUM-RATED CABLE WHERE CONCEALED.
3. AIR HANDLING UNITS:
   A. UNITS SHALL BE CONTROLLED BY 7-DAY PROGRAMMABLE THERMOSTAT WITH TEMPERATURE AND HUMIDITY SENSORS. PROVIDE UNIT MANUFACTURER'S CONTROL THERMOSTAT UNLESS NOTED OTHERWISE. SEE PLANS FOR LOCATIONS.
   B. UNITS SHALL SWITCH TO OCCUPIED MODE ONE HOUR PRIOR TO BUILDING OCCUPANCY AND SHALL SWITCH TO UNOCCUPIED MODE ONE HOUR AFTER BUILDING OCCUPANCY. OCCUPANCY TIME TO BE DETERMINED BY BUILDING OWNER.
   C. THERMOSTATS SHALL ALLOW MANUAL 3-HOUR OCCUPANCY OVERRIDE THROUGH THERMOSTAT INTERFACE.
   D. UNIT SHALL MAINTAIN HUMIDITY BELOW 50% RH AT ZONE TEMPERATURE SETPOINT WITH HOT GAS REHEAT FUNCTION IF APPLICABLE. REFER TO MECHANICAL SCHEDULES FOR UNITS WITH HOT GAS REHEAT.
4. EXHAUST FANS:
   A. EXHAUST FANS SHALL BE CONTROLLED AS NOTED ON EXHAUST FAN SCHEDULE.
5. ALL OTHER MECHANICAL EQUIPMENT SHALL BE WIRED AND CONTROLLED AS RECOMMENDED BY MANUFACTURER'S WRITTEN GUIDELINES UNLESS NOTED OTHERWISE.
6. NEW THERMOSTATS & CONTROL DEVICES TO BE MOUNTED AT 48" A.F.F. UNLESS NOTED OTHERWISE.

FINAL TESTS AND REPORTS

1. BEFORE ACCEPTANCE AND FINAL PAYMENT, A COMPLETE CERTIFIED TEST AND BALANCE SHALL BE PERFORMED. THE TEST AND BALANCE SHALL BE IN ACCORDANCE WITH AABC OR NEBB AND SHALL BE PERFORMED BY AND AABC OR NEBB CERTIFIED CONTRACTOR. THE TEST AND BALANCE SHALL INCLUDE ALL COMPONENTS OF THE MECHANICAL SYSTEM INCLUDING AIR DISTRIBUTION, HYDRONIC SYSTEMS, ALL EQUIPMENT, ETC. THREE COPIES OF THE FINAL REPORT (IN THE FORMAT OF AABC OR NEBB) SHALL BE SUBMITTED TO THE ARCHITECT FOR FINAL APPROVAL BY THE RESPONSIBLE ENGINEER. THE COSTS FOR THE TESTING OUTLINED IN THIS SECTION OF THE SPECIFICATION SHALL BE THE SOLE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. ANY DECISION TO EXCLUDE THIS FROM THE BID SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT PRIOR TO BID.
2. TEST AND BALANCE CONTRACTOR SHALL MEASURE PRESSURE DIFFERENTIAL BETWEEN LARGEST INTERIOR SPACE AND OUTDOORS AND CONFIRM POSITIVE PRESSURE BETWEEN 0.01-0.08" W.C. NOTIFY ENGINEER IF ANY DISCREPANCY.
3. TEST AND BALANCE CONTRACTOR SHALL INCLUDE AN ADDITIONAL VISIT FOR FINAL SYSTEM ADJUSTMENTS AFTER ENGINEER'S REVIEW OF INITIAL TEST AND BALANCE REPORT. ADDITIONAL VISIT SHALL ALSO BE INCLUDED IN THE WARRANTY PERIOD OF THE PROJECT.
4. PROVIDE A COPY OF THE FINAL TEST AND BALANCE REPORT TO INSPECTOR PRIOR TO FINAL INSPECTION.
5. MANUFACTURER OR PRE-CERTIFIED MANUFACTURER REPRESENTATIVE START-UP PROCEDURE AND REPORT OF ALL FUNCTIONS OPERATIONAL. REPORT AND DOCUMENTATION SHALL BE PROVIDED TO OWNER AND ENGINEER PRIOR TO COO AND FINAL PAYMENT.

GUARANTEE

1. THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT AND WORKMANSHIP FROM DEFECT OF WORKMANSHIP, AND SHALL REPLACE OR REPAIR WITHOUT ADDITIONAL COST TO THE OWNER ALL DEFECTIVE MATERIAL AND WORKMANSHIP, FOR A PERIOD OF ONE (1) YEAR AFTER COMPLETION AND ACCEPTANCE.

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BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

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MECHANICAL SPECIFICATIONS & LEGEND

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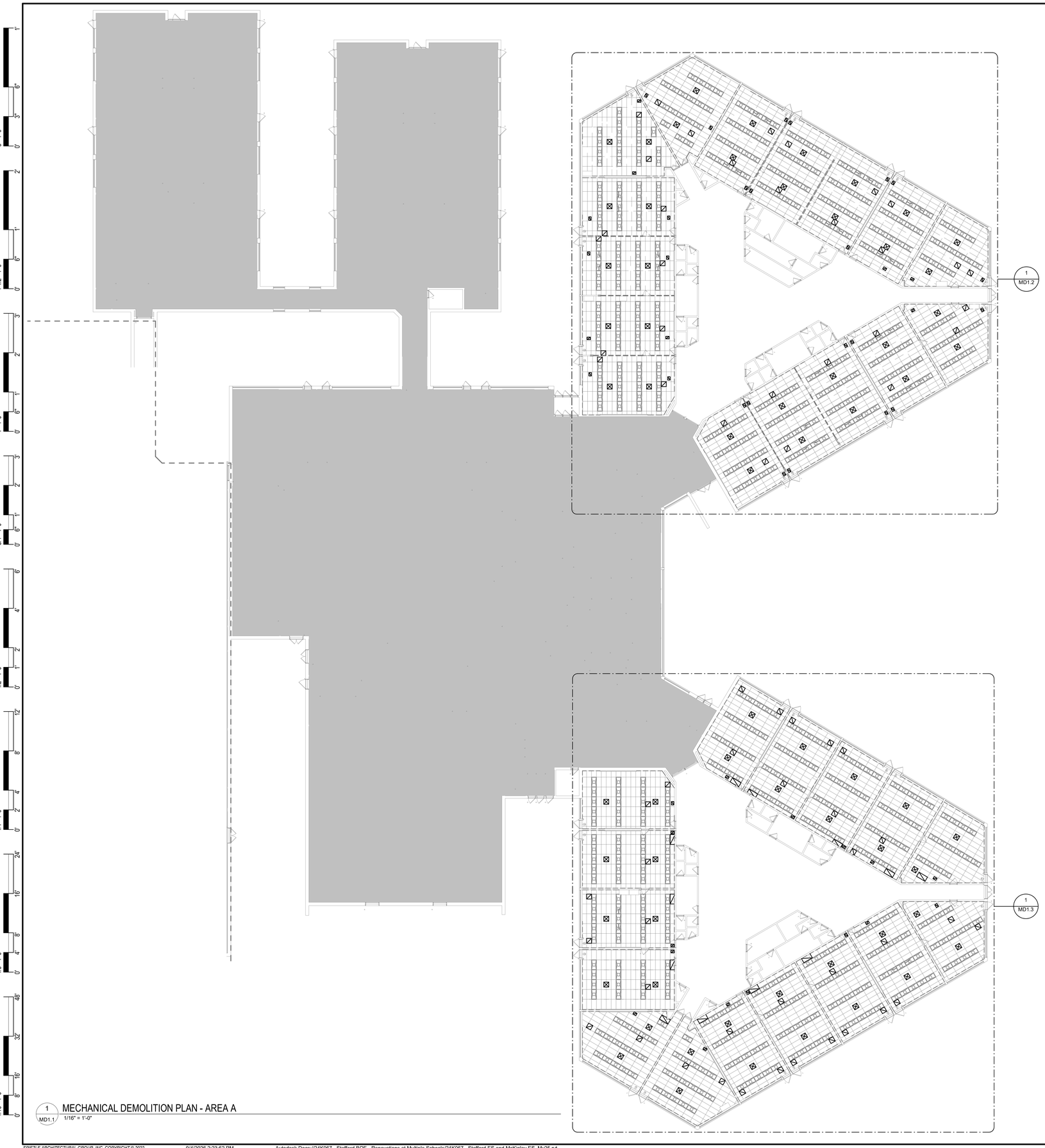
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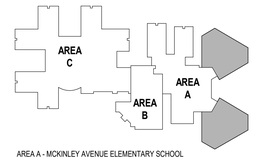
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GENERAL NOTES - DEMO

A. PRIOR TO BEGINNING WORK, PERFORM A PRECONSTRUCTION TEST AND BALANCE ON EXISTING SUPPLY AND VENTILATION DIFFUSERS AND VERIFY EXISTING DIFFUSER NECK SIZE. NEW DIFFUSERS SHALL MATCH EXISTING DIFFUSER NECK SIZE.

1 MD1.1 MECHANICAL DEMOLITION PLAN - AREA A
1/16" = 1'-0"



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

CODE REVIEW:

CERTIFICATE:

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MECHANICAL DEMOLITION PLAN - AREA A

COMMISSION NUMBER:
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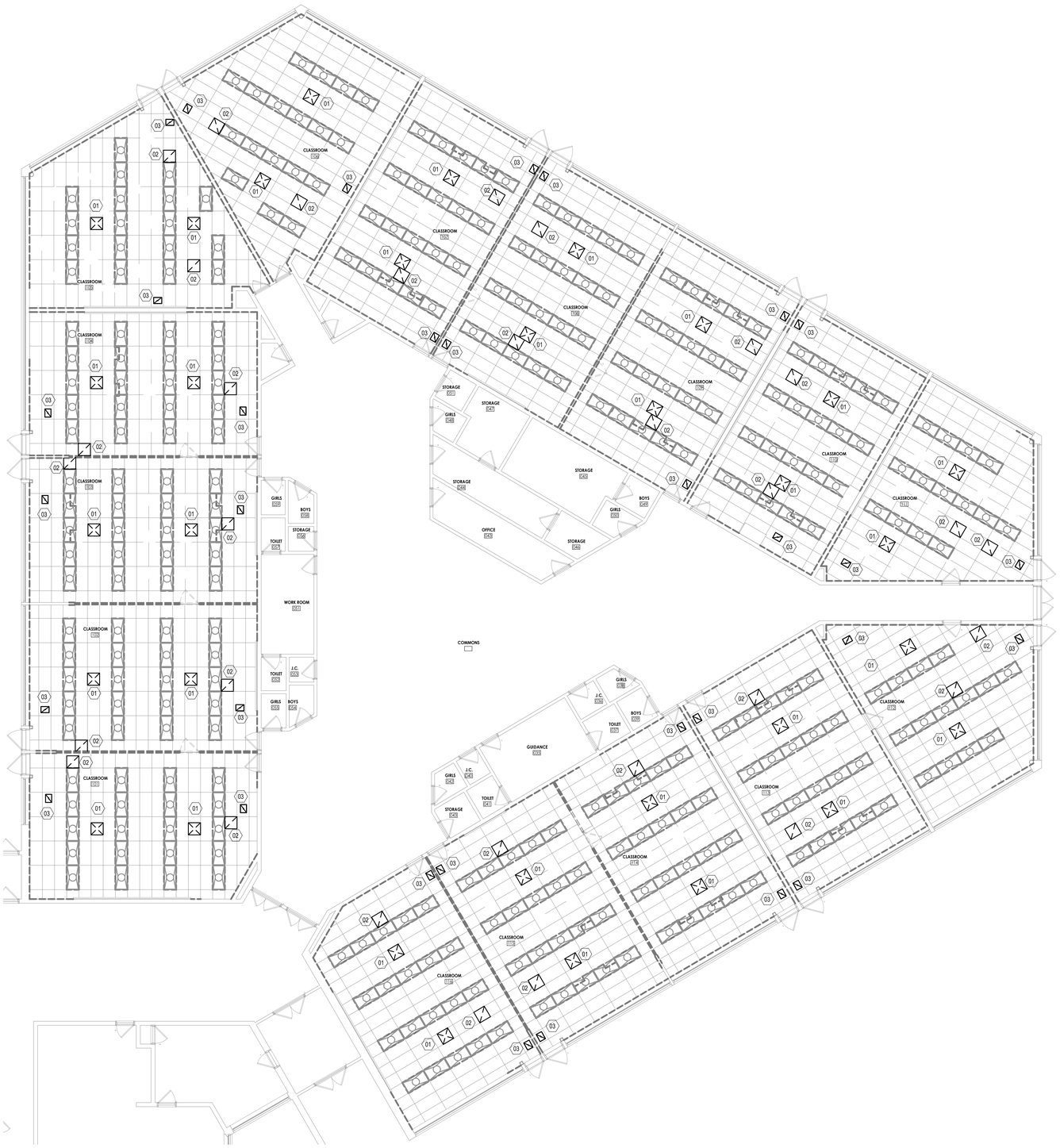
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1 MECHANICAL DEMOLITION PLAN - AREA A - NORTH
MD1.2 1/8" = 1'-0"

KEYNOTES

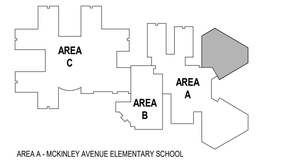
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02 REMOVE EXISTING PLENUM RETURN GRILLE.

03 REMOVE EXISTING TRANSFER GRILLE. EXISTING TRANSFER DUCT TO REMAIN. COVER ALL DUCT OPENINGS UNTIL RECONNECTION TO NEW TRANSFER GRILLES.

GENERAL NOTES - DEMO

A. PRIOR TO BEGINNING WORK, PERFORM A PRECONSTRUCTION TEST AND BALANCE ON EXISTING SUPPLY AND VENTILATION DIFFUSERS AND VERIFY EXISTING DIFFUSER NECK SIZE. NEW DIFFUSERS SHALL MATCH EXISTING DIFFUSER NECK SIZE.



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MECHANICAL DEMOLITION PLAN - AREA A NORTH

COMMISSION NUMBER:

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1 MECHANICAL DEMOLITION PLAN - AREA A SOUTH
MD1.3 1/8" = 1'-0"

KEYNOTES

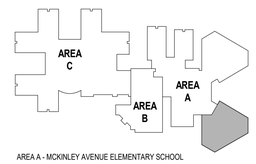
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GENERAL NOTES - DEMO

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KEYPLAN
N.T.S.

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COMMISSION NUMBER:

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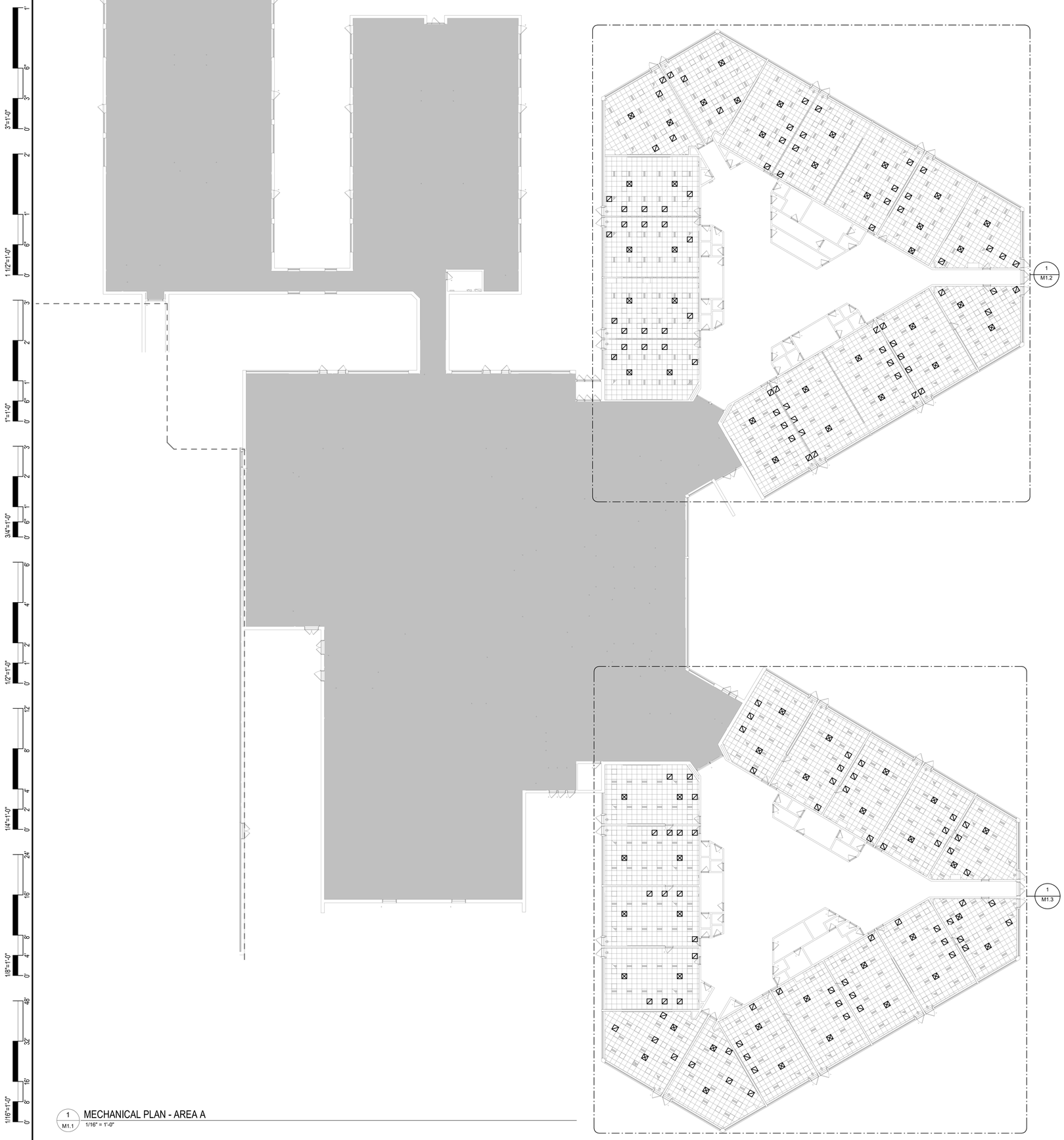
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1 MECHANICAL PLAN - AREA A
1/16" = 1'-0"

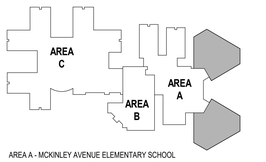
GENERAL NOTES - MECHANICAL

A. DIFFUSER NECK SIZE SHALL BE SIZED TO MATCH EXISTING RUNOUTS. CONTRACTOR SHALL FIELD VERIFY EXISTING RUNOUT SIZES PRIOR TO ORDERING NEW DIFFUSERS.

B. BUILDING IS PLENUM RETURN. ALL MATERIALS LOCATED ABOVE CEILING OR IN OPEN CEILING SPACES SHALL BE NON-COMBUSTIBLE PLENUM RATED.

C. BALANCE ALL NEW SUPPLY DIFFUSERS TO PRECONSTRUCTION AIRFLOWS.

D. MAXIMUM FLEXIBLE DUCT LENGTH ALLOWED IS 5'-0". EXTEND RUNOUT AND PROVIDE NEW FLEX DUCT WHERE NEW DIFFUSER EXCEEDS 5'-0" FROM EXISTING RIGID DUCT.



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
1395 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
PHONE: 866-974-7666

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JOHN F. WRIGHT	21AI01784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC00063000

SEAL:

CONSULTANTS:

peak systems engineering
200 MACKENAN DR.
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BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

MECHANICAL PLAN - AREA A

COMMISSION NUMBER:

24K067

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

M1.1

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KEYNOTES

01 CONECT NEW DIFFUSER TO EXISTING FLEX DUCT. DIFFUSER NECK SIZE TO MATCH EXISTING RUNOUT SIZE. TYPICAL ALL TYPE 'A' DIFFUSERS.

02 INSTALL PLENUM RETURN GRILLE WITH FLEXIBLE SOUND BOOT. SEE DETAIL 3, SHEET M5.1. TYPICAL ALL TYPE 'B' GRILLES.

03 CONNECT NEW TRANSFER GRILLE TO EXISTING TRANSFER DUCTWORK IN LOCATION SHOWN. TYPICAL ALL TYPE 'C' GRILLES.

GENERAL NOTES - MECHANICAL

A. DIFFUSER NECK SIZE SHALL BE SIZED TO MATCH EXISTING RUNOUTS. CONTRACTOR SHALL FIELD VERIFY EXISTING RUNOUT SIZES PRIOR TO ORDERING NEW DIFFUSERS.

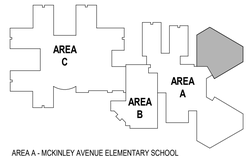
B. BUILDING IS PLENUM RETURN. ALL MATERIALS LOCATED ABOVE CEILING OR IN OPEN CEILING SPACES SHALL BE NON-COMBUSTIBLE PLENUM RATED.

C. BALANCE ALL NEW SUPPLY DIFFUSERS TO PRECONSTRUCTION AIRFLOWS.

D. MAXIMUM FLEXIBLE DUCT LENGTH ALLOWED IS 5'-0". EXTEND RUNOUT AND PROVIDE NEW FLEX DUCT WHERE NEW DIFFUSER EXCEEDS 5'-0" FROM EXISTING RIGID DUCT.



1 M1.2 MECHANICAL PLAN - AREA A NORTH
1/8" = 1'-0"



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH / TRUE NORTH

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JOHN F. WRIGHT	21AI01784200
SPIEZLE ARCHITECTURAL GROUP, INC.	21AC00063000

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DRAWING TITLE:

MECHANICAL PLAN - AREA A NORTH

COMMISSION NUMBER:

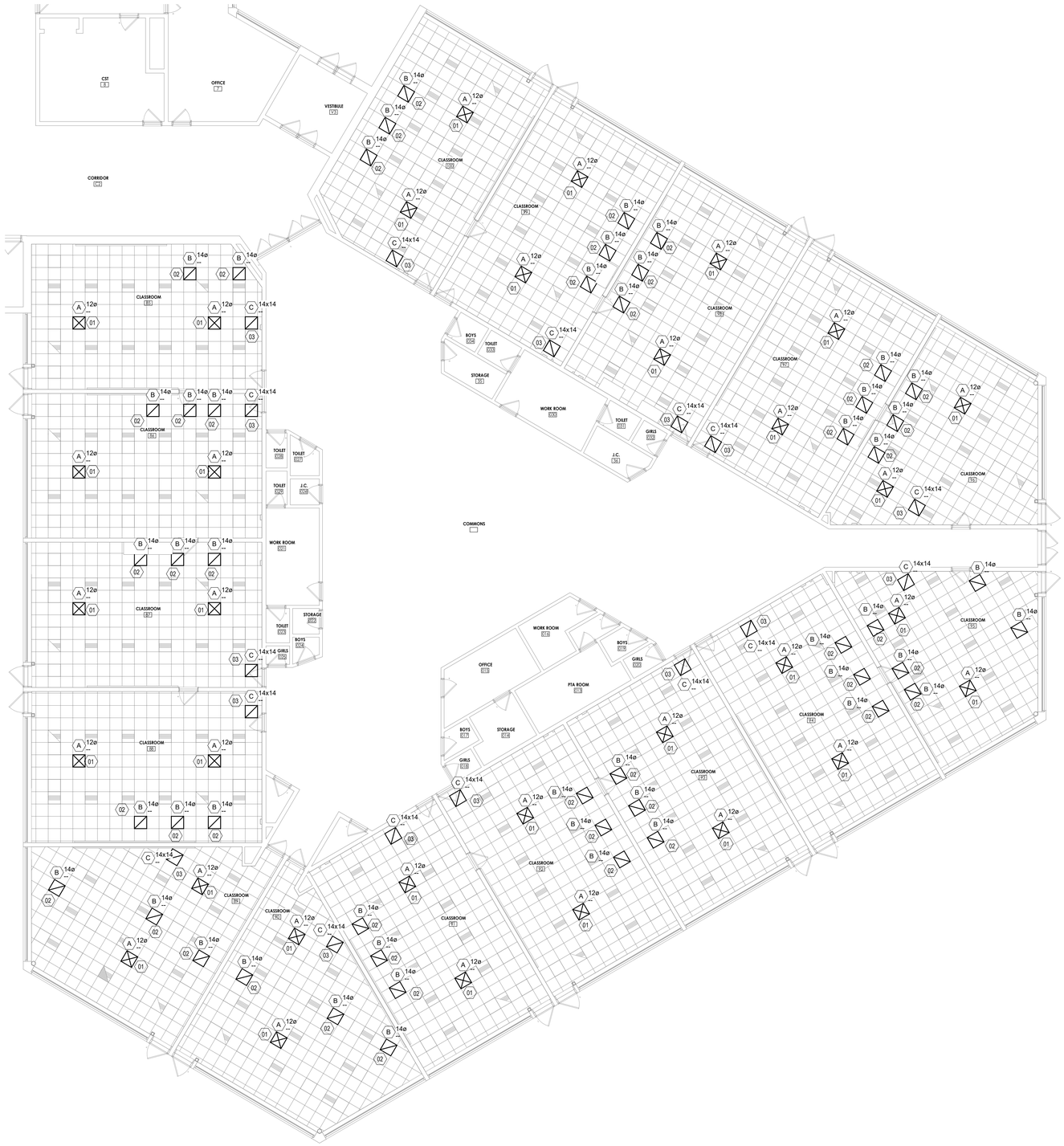
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1 M1.3 MECHANICAL PLAN - AREA A SOUTH
1/8" = 1'-0"

KEYNOTES

01 CONECT NEW DIFFUSER TO EXISTING FLEX DUCT. DIFFUSER NECK SIZE TO MATCH EXISTING RUNOUT SIZE. TYPICAL ALL TYPE 'A' DIFFUSERS.

02 INSTALL PLENUM RETURN GRILLE WITH FLEXIBLE SOUND BOOT. SEE DETAIL 3, SHEET M5.1. TYPICAL ALL TYPE 'B' GRILLES.

03 CONNECT NEW TRANSFER GRILLE TO EXISTING TRANSFER DUCTWORK IN LOCATION SHOWN. TYPICAL ALL TYPE 'C' GRILLES.

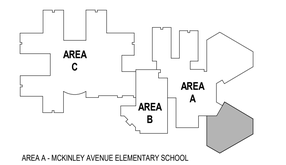
GENERAL NOTES - MECHANICAL

A. DIFFUSER NECK SIZE SHALL BE SIZED TO MATCH EXISTING RUNOUTS. CONTRACTOR SHALL FIELD VERIFY EXISTING RUNOUT SIZES PRIOR TO ORDERING NEW DIFFUSERS.

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C. BALANCE ALL NEW SUPPLY DIFFUSERS TO PRECONSTRUCTION AIRFLOWS.

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AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
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250 NORTH MAIN STREET,
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FOR CODE REVIEW:

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FOR BID: 10/15/2026

DRAWING TITLE:

MECHANICAL PLAN - AREA A SOUTH

COMMISSION NUMBER:
24K067

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DRAWING NUMBER:
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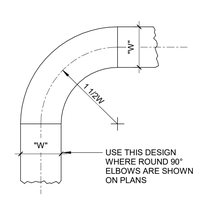
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DIFFUSERS, REGISTERS, & GRILLES SCHEDULE

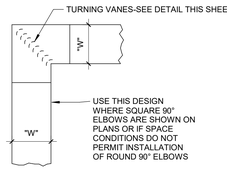
EQ. TYPE	MANUFACTURER	MODEL	SERVICE / DAMPER	CONSTRUCTION						NOTES
				MOUNTING	FACE TYPE	FACE SIZE	MATERIAL	COLOR	DAMPER	
A	PRICE	ASPD	SUPPLY	SURFACE	SQUARE PLAQUE	24"x24"	ALUMINUM	WHITE	AT TAKEOFF	1,4
B	PRICE	APDDR	RETURN	SURFACE	PERFORATED FACE	24"x24"	ALUMINUM	WHITE	NONE	2,4
C	PRICE	APDDR	RETURN	SURFACE	PERFORATED FACE	24"x24"	ALUMINUM	WHITE	NONE	3,4

GENERAL NOTES:
A. PRE-APPROVED EQUALS BY TITUS, TUTLE AND BAILEY, KRUEGER, OR METALAIRE.
B. COORDINATE FRAME AND STYLE FOR CEILING TYPE.
C. SUBMIT DIFFUSER BORDER, COLOR AND FINISH TO ARCHITECT FOR APPROVAL.
D. PROVIDE ALL SUPPLY DIFFUSERS WITH INSULATED BACK-PAN TO PREVENT CONDENSATION.

KEYED NOTES:
1. BALANCE DIFFUSER TO PRECONSTRUCTION AIRFLOW.
2. PROVIDE WITH FLEX DUCT SOUND BOOT.
3. CONNECT TO EXISTING TRANSFER DUCT.
4. MATCH NECK SIZE TO AIR DISTRIBUTION REMOVED DURING DEMOLITION PHASE.

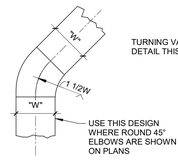


ROUND 90° ELBOWS

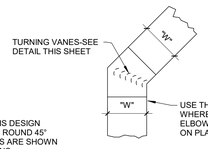


SQUARE 90° ELBOW

CONSTRUCTION OF 90° ELBOWS

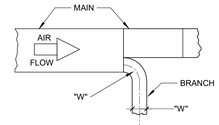


ROUND 45° ELBOW

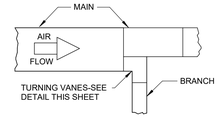


SQUARE 45° ELBOW

CONSTRUCTION OF 45° ELBOW

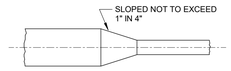


ROUND BRANCH TAKEOFF

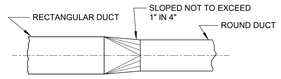


SQUARE BRANCH TAKEOFF

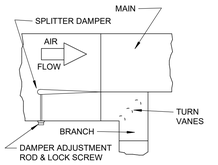
CONSTRUCTION OF BRANCH TAKEOFFS FROM MAIN



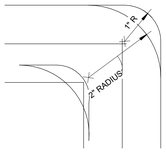
TYPICAL RECTANGULAR TRANSITION



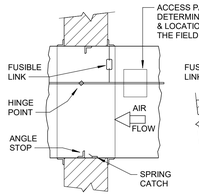
TYPICAL RECTANGULAR TRANSITION TO ROUND TRANSITION



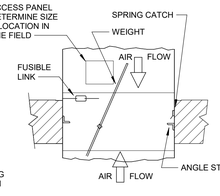
TYPICAL SPLITTER DAMPER



DETAIL OF TURN VANES

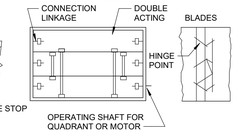


HORIZONTAL



VERTICAL

TYPICAL FIRE DAMPER

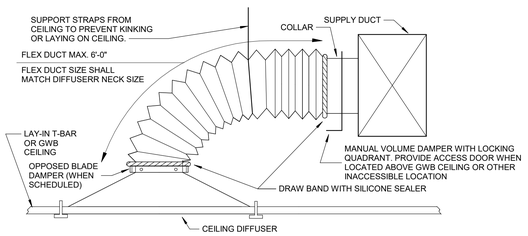


TYPICAL VOLUME DAMPER

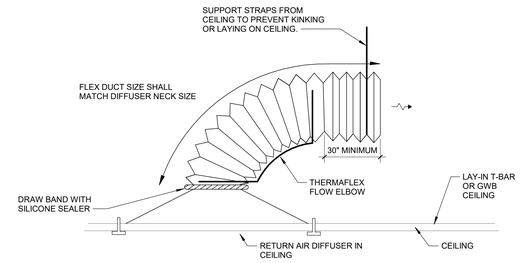
INSTALLATION NOTES

1. ALL DUCTS SHALL BE CONSTRUCTED AND ERECTED IN A NEAT AND WORKMANLIKE MANNER.
2. DUCTS SHALL BE CONSTRUCTED OF THE WEIGHTS, GAGES AND MATERIAL SHOWN IN THE SCHEDULE ON THESE DRAWINGS
3. THE DIMENSION SHOWN FOR ALL DUCTS SHOWN IN PLAN GIVE THE WIDTH FIRST AND THEN THE HEIGHT.
4. DUCT RISERS SHOULD BE SUPPORTED BY ANGLES AT EVERY FLOOR.
5. AIR TURN SHALL BE INSTALLED IN ALL ABRUPT ELBOWS TO PREVENT TURBULENCE.
6. DUCTS SHALL BE SECURELY ATTACHED TO THE BUILDING CONSTRUCTION IN AN APPROVED MANNER.
7. DIVERGING TRANSITION PIECES SHALL BE MADE AS GRADUAL AS POSSIBLE.
8. INSTALL FIRE DAMPERS IN ACCORDANCE WITH UL 555.
9. ACCESS PANELS SHOULD BE PLACED BEFORE AND/OR AFTER EQUIPMENT INSTALLED IN THE DUCT
10. DUCT AREA SHOULD NOT BE DECREASED MORE THAN 10 PERCENT WHEN OBSTRUCTIONS CANNOT BE AVOIDED, AND THEN A STREAMLINED FITTING SHOULD BE USED.
11. FLEXIBLE FABRIC CONNECTIONS (OR EQUAL) SHOULD BE USED ON BOTH INLETS AND OUTLETS OF ALL FANS AND AIR HANDLING UNITS.
12. JOINTS AND SEAMS OF SUPPLY DUCTS SHALL BE FASTENED SECURELY AND MADE AIR TIGHT.

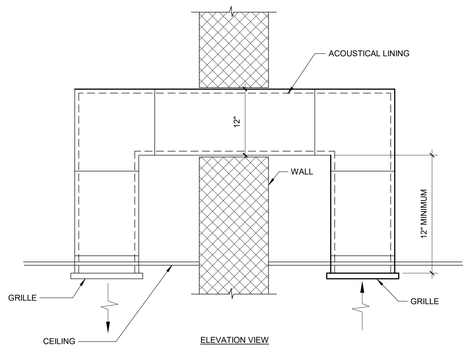
1 M5.1 LOW VELOCITY LAYOUT DETAIL
NOT TO SCALE



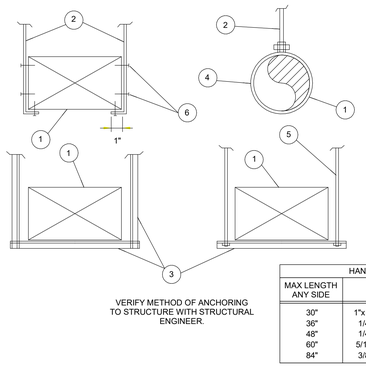
2 M5.1 TYPICAL SUPPLY AIR DIFFUSER CONNECTION
1/4" = 1'-0"



3 M5.1 FLEX DUCT SOUND BOOT
NOT TO SCALE



4 M5.1 DUCT TRANSFER 1 DETAIL
1/2" = 1'-0"



KEYED NOTES:

1. DUCT
2. SHEET METAL STRAP 1" WIDE, OF SAME METAL GAUGE AS DUCT.
3. STEEL ANGLE; NOT LESS THAN 1" x 1" x 1/8"; SIZED TO MATCH DUCT.
4. SHEET METAL BAND: 1" WIDE OF SAME METAL GAUGE AS DUCT.
5. ALL THREAD HANGER ROD WITH ACCESSORIES AS USED FOR LIGHT PIPE HANGER.
6. SELF TAPPING CADMIUM PLATED HEX HEAD SHEET METAL SCREW STRAPS TO BE TIGHT AGAINST DUCT.

VERIFY METHOD OF ANCHORING TO STRUCTURE WITH STRUCTURAL ENGINEER.

HANGER SIZES FOR RECTANGULAR DUCT			
MAX LENGTH ANY SIDE	HANGER	HORIZONTAL SUPPORT ANGLE	MAXIMUM SPACING
30"	1"x18 GAGE STRAP	NONE REQUIRED	10'-0"
36"	1/4" ROUND ROD	1 1/2"x1 1/2"x1/8"	8'-0"
48"	1/4" ROUND ROD	2"x2"x1/8"	8'-0"
60"	5/16" ROUND ROD	2"x2"x1/8"	8'-0"
84"	3/8" ROUND ROD	2"x2"x1/8"	8'-0"

5 M5.1 SHEET METAL DUCT HANGER DETAIL
NOT TO SCALE

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STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

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DETAILS AND SCHEDULES

COMMISSION NUMBER:

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SYMBOLS - PLUMBING

NOTE: ALL MAY NOT BE USED.

GENERAL

- W — SANITARY WASTE
- V — VENT PIPING
- CW — DOMESTIC COLD WATER
- HW — DOMESTIC HOT WATER
- HWR — DOMESTIC HOT WATER RECIRCULATION
- NG — NATURAL GAS
- CD — CONDENSATE DRAIN
- PIPE TURNING DOWN
- PIPE TURNING UP
- BRANCH BOTTOM CONNECTION
- BRANCH SIDE CONNECTION
- BRANCH TOP CONNECTION
- CO — CLEANOUT
- FCO — CLEANOUT, FLOOR TYPE
- FD / TP — FLOOR DRAIN WITH TRAP PRIMER
- UNION
- WCO — WALL CLEANOUT
- COP — CLEANOUT PLUG
- VENT THROUGH ROOF - DIAGRAMMATIC (VTR)
- 'A' — SHOCK ARRESTOR (SA)
- LIMIT OF DEMOLITION WORK
- CONNECT TO EXISTING
- NEW EQUIPMENT, REFER TO SCHEDULES

VALVES & ACCESSORIES

- AUTOMATIC AIR VENT
- AUTOMATIC FLOW CONTROL VALVE
- BACKFLOW PREVENTER (BFP)
- BALL VALVE
- BUTTERFLY VALVE
- CAPPED PIPE
- CHECK VALVE
- CONCENTRIC REDUCER
- DIRECTION OF FLOW
- ECCENTRIC REDUCER
- FLANGED CONNECTION
- FLEXIBLE CONNECTION
- WM — FLOW METER
- GATE VALVE
- GLOBE VALVE
- MANUAL AIR VENT
- METERED BALANCING VALVE W/PRESSURE TAPS
- GAS COCK
- PIPE SLEEVE
- PRESSURE REDUCING VALVE
- PRESSURE RELIEF VALVE
- PRESSURE GAUGE WITH GAUGE COCK
- SQUARE HEAD COCK
- STRAINER
- STRAINER W/BLOW DOWN VALVE
- THERMOMETER
- VACUUM BREAKER
- SOLENOID VALVE

PLUMBING SPECIFICATIONS

SCOPE OF WORK

1. ALL WORK REQUIRED CONSISTS OF PERFORMING ALL LABOR AND FURNISHING ALL MATERIALS, FIXTURES AND EQUIPMENT REQUIRED TO PROVIDE A COMPLETE PLUMBING INSTALLATION AS INDICATED ON THE DRAWINGS. IT SHALL FURTHER INCLUDE FURNISHING AND INSTALLING ALL MISCELLANEOUS ITEMS REQUIRED FOR THE OPERATION OF THE SYSTEMS, WHETHER SPECIFICALLY CALLED FOR OR NOT. CONNECT ALL EQUIPMENT FURNISHED UNDER OTHER TRADES AS REQUIRED. DETERMINE IN ADVANCE THE SHUT-DOWN OF EXISTING UTILITIES.

EXISTING CONDITIONS

1. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL UTILITIES PRIOR TO BID. THE CONTRACTOR SHALL VISIT THE SITE AND INSPECT THE WORK THEY MUST PERFORM, IN ADDITION TO WHAT IS SHOWN HEREIN, AND INCLUDE IN THEIR BID AN AMOUNT TO DO SUCH WORK.

CODES

1. ALL MATERIALS, EQUIPMENT AND INSTALLATION MUST COMPLY WITH ALL APPLICABLE LAWS, CODES, RULES, AND REGULATION, REQUIRED BY CITY, COUNTY AND STATE, AS WELL AS FEDERAL REQUIREMENTS.

PERMITS

1. THIS CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES AND FEES REQUIRED BY STATE AND LOCAL AUTHORITIES.

INSPECTION

1. FURNISH ARCHITECT WITH CERTIFICATE OF INSPECTION AND APPROVAL BY LOCAL AUTHORITIES PRIOR TO FINAL ACCEPTANCE OF THE PROJECT BY THE ARCHITECT. ALL WORK MUST BE INSPECTED.

MATERIALS

1. WATER PIPING:
   A. ALL PIPING SHALL CONFORM TO THE REQUIREMENTS OF THE ANSI SAFETY CODE AND BE FREE FROM ALL DEFECTS AND BE PROPERLY IDENTIFIED.
   B. ABOVE GROUND: SHALL BE TYPE "L" HARD DRAWN COPPER TUBING CONFORMING TO ASTM B 88-72.
   C. BELOW GROUND: (INSTALLED IN CONCRETE OR UNDER CONCRETE) TYPE "K" SOFT DRAWN COPPER TUBING, CONFORMING TO ASTM B 88-72, SPIRALLY WRAP PIPING BELOW GRADE OR FLOORS WITH 3 LAYERS OF 30 MIL POLYETHYLENE TAPE WITH 1/2 OVERLAP. INSTALL NO PIPING JOINTS BELOW FLOOR.
   D. ALL COPPER TUBING SHALL UTILIZE SWEAT FITTINGS SOLDERED WITH ASTM B 32, ALLOY SN95, SN94, OR E, LEAD FREE SOLDER.
   E. ALL CONDENSATE PIPING SHALL BE COPPER PIPE.
2. SOIL, WASTE, STORM, AND VENT PIPING:
   A. CAST IRON: NO-HUB CAST IRON, CISPI 301-72T SPECIFICATION FOR ALL SOIL, WASTE AND VENT PIPING 2 INCHES AND LARGER WITH STANDARD WEIGHT FITTINGS, USE STAINLESS STEEL NO-HUB CAST IRON COUPLINGS THROUGHOUT THE PROJECT.
   B. GALVANIZED IRON: SCHEDULE 40 STANDARD WEIGHT CONFORMING TO ASTM A72-68, FOR ALL VENT PIPING 1-1/2" AND SMALLER, USE WROUGHT IRON SCREWED FITTINGS TO MATCH PIPE. MAKE ALL SCREWED JOINTS WITH TEFLON TAPE.
   C. POLYVINYL CHLORIDE: SCHEDULE 40 SOLID CORE PVC PIPE AND FITTINGS, ASTM ASTM D2665 SPECIFICATION FOR NON-PRESSURIZED SOIL, WASTE, AND VENT PIPING. DO NOT INSTALL IN RETURN AIR PLENUM.
   D. ALL SOIL AND WASTE PIPING 2-1/2" AND SMALLER SHALL SLOPE MINIMUM OF 1/4" PER FOOT, PIPING 3" AND LARGER SHALL SLOPE MINIMUM OF 1/8" PER FOOT.
   E. ALL PIPING INSTALLED BELOW GRADE SHALL MEET PLUMBING CODE REQUIREMENTS FOR TRENCHING AND BACKFILLING. PIPE SHALL BE SUPPORTED THROUGHOUT ITS ENTIRE LENGTH. SUCH PIPE SHALL NOT BE SUPPORTED ON BLOCKS TO GRADE. WHERE THE PIPING MANUFACTURER'S INSTALLATION INSTRUCTIONS ARE MORE RESTRICTIVE THAN THOSE PRESCRIBED BY THE CODE, THE MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE MORE RESTRICTIVE REQUIREMENT.
3. GAS PIPING:
   A. THE PLUMBING CONTRACTOR SHALL SEE THAT THE PROPER GAS METER AND REGULATOR ARE INSTALLED BY THE UTILITY CO., AND PAY FOR ANY FEES CHARGED FOR THE INSTALLATION OF THE METER AND SERVICE LINES. GAS LINES SHALL EXTEND FROM THE METER TO ALL EQUIPMENT REQUIRING GAS.
   B. GAS PIPING: SCREWED STANDARD WEIGHT SCHEDULE 40 BLACK STEEL CONFORMING TO ASTM A53 SPECIFICATIONS FOR GAS PIPING.
   C. GAS PIPING INSTALLED BELOW GRADE SHALL BE PROVIDED WITH FACTORY WRAPPED PROTECTIVE COATING WITH FITTINGS TRIPLE SPIRALLY WRAPPED WITH 20 MIL POLYETHYLENE TAPE WITH 1/2 OVERLAP. PROVIDE CATHODIC PROTECTION CUASISTEM OF ONE 17 POUND MAGNESIUM ANODE PER 100 SQUARE FEET OF GROUND EXPOSED SURFACE, TO THE PIPING.
   D. GAS PIPE SHALL BE PROVIDED WITH SUITABLE DRIP LEGS ON ALL MAINS AND RISERS AT EQUIPMENT CONNECTIONS. ALL EQUIPMENT CONNECTIONS SHALL BE PROVIDED WITH AN AGA APPROVED BUTTERFLY VALVE. CAP WHERE REQUIRED.
   E. PROVIDE SLEEVES AT ALL PIPING PENETRATING MASONRY WALLS AND PACKED WATERTIGHT WITH APPROVED PACKING.
4. VALVES:
   A. SIZE OF SHUT-OFF VALVE, CONTROL VALVES, BALANCING COCKS, UNIONS ETC., SHALL BE FULL LINE SIZE.
   B. INSTALL SHUTOFF VALVE CLOSE TO WATER MAIN ON EACH BRANCH AND RISER SERVING PLUMBING FIXTURES OR EQUIPMENT.
   C. INSTALL ALL VALVES SUCH THAT THEY CAN BE OPERATED WITH RESPECT TO THE FINISHED BUILDING.
5. PIPE HANGERS:
   A. PIPE HANGERS SHALL BE MICHIGAN #400 FOR STEEL PIPING, #402 FOR GAS AND COPPER PIPING. SUPPORT PIPING 3/4" AND LESS AT 6'-0" O/C, 1-1/4" O/C AND SMALLER 8'-0" O/C, AND PIPING 1-1/2" AND LARGER 10'-0" O/C. WASTE PIPING SHALL BE SUPPORTED AT 5'-0" O/C. PROVIDE 3/8" DIA. THREADED ROD PROPERLY BRACED FOR SEISMIC RESTRAINT ZONE 2.
6. PIPE INSULATION:
   A. ALL HOT WATER PIPING AND HOT WATER RETURN PIPING (IF APPLICABLE) SHALL HAVE 1 INCH THICK FIBERGLASS INSULATION WITH ASJ JACKET, HAVING A THERMAL CONDUCTIVITY (K-FACTOR) OF 0.24 AT 75 DEGREES MEAN TEMPERATURE.
   B. ALL COLD WATER PIPING SHALL HAVE 1 INCH THICK FIBERGLASS INSULATION WITH ASJ JACKET, HAVING A THERMAL CONDUCTIVITY (K-FACTOR) OF 0.24 AT 75 DEGREES MEAN TEMPERATURE.
   C. ALL CONDENSATE PIPING SHALL HAVE 1/2 INCH THICK FIBERGLASS INSULATION WITH ASJ JACKET, HAVING A THERMAL CONDUCTIVITY (K-FACTOR) OF 0.24 AT 75 DEGREES MEAN TEMPERATURE.
   D. ALL STORM PIPING ABOVE GRADE SHALL HAVE 1/2 INCH THICK ELASTOMERIC INSULATION.
   E. THE MAXIMUM FIRE HAZARD CLASSIFICATION OF THE INSULATION SYSTEM SHALL NOT HAVE MORE THAN A FLAME SPREAD OF 25, AND A FUEL CONTRIBUTED RATING OF 50, AND A SMOKE DEVELOPED RATING OF 50, WHEN TESTED IN ACCORDANCE WITH U.L. REQUIREMENTS. PIPE COVERING SHALL BEAR THE U.L. LABEL.
   F. INSULATE ALL FITTINGS VALVE BODIES ETC. WITH SINGLE OR MULTIPLE LAYERS OF INSULATION WITH PREFABRICATED FITTINGS WITH P.V.C. JACKETS.
   G. SUBMIT SHOP DRAWINGS FOR ALL INSULATION MATERIALS.
7. CLEAN OUTS: (ZURN, JOSAM, SMITH)
   A. CLEAN OUTS SHALL BE THE SAME SIZE AS THE LARGEST DOWNSTREAM PIPE IT IS SERVING. NO PLASTIC CLEAN OUTS WILL BE ACCEPTED. PLUGS SHALL BE BRONZE.
8. FIXTURE CARRIERS:
   A. PROVIDE CONCEALED CARRIERS FOR ALL WALL MOUNTED PLUMBING FIXTURES. MINIMUM 1,000 LBS RATING FOR WATER CLOSETS, 200 LBS RATING FOR URINALS, 250 LBS RATING FOR LAVATORIES, AND 500 LBS RATING FOR DRINKING FOUNTAINS.
9. PIPE INSTALLATION:
   A. INSTALL PIPING TO BEST SUIT FIELD CONDITIONS, COORDINATE LAYER OF PIPING WITH DUCT WORK AND OFFSET PIPING AS REQUIRED TO CLEAR NEW DUCTWORK.
   B. INSTALL ALL PRESSURE REDUCING VALVES AND BACKFLOW PREVENTION DEVICES IN AN ACCESSIBLE LOCATION SUCH THAT REGULAR MAINTENANCE AND TESTING MAY BE PERFORMED.
10. WATER HAMMER ARRESTORS: (ZURN, WATTS, SOJUX CHIEF)
    A. PROVIDE WATER HAMMER ARRESTORS AT ALL QUICK-CLOSING VALVES, SIZE AND INSTALL PER MANUFACTURER'S GUIDELINES. HAMMER ARRESTORS SHALL BE ASSE 1010 LISTED.

PIPING IDENTIFICATION

1. MANUFACTURERS: ADVANCED GRAPHIC ENGRAVING, BRIMAR INDUSTRIES, CRAFTMARK PIPE MARKERS, KOLBI PIPE MARKER CO, OR SETON IDENTIFICATION PRODUCTS.
2. ALL IDENTIFICATION SHALL BE PLENUM RATED UNLESS NOTED OTHERWISE ON PLANS.
3. NAMEPLATES FOR ALL PLUMBING EQUIPMENT
   A. LETTER COLOR: WHITE, LETTER HEIGHT: 1/4 INCH, BACKGROUND COLOR: BLACK, PLASTIC: COMPLY WITH ASTM D709, PROVIDE ALL INFORMATION AS LISTED IN EQUIPMENT SCHEDULES. PERMANENTLY ATTACHED. ACCEPTABLE ALTERNATIVE OF EMBOSSED STEEL WITH 1/4" LETTING.
4. TAGS FOR ALL PLUMBING AND PIPING ACCESORIES
   A. METAL TAGS: BRASS WITH STAMPED LETTERS; TAG SIZE MINIMUM 1-1/2 INCH DIAMETER WITH SMOOTH EDGES.
      1. BRASS, 19-GAUGE THICK VALVE TAGS WITH 3/16" DIAMETER TOP HOLE FOR FASTENER OR CHAIN, BLANK OR PRE-STAMPED LETTERING, AND NATURAL BRASS FINISH. TOP LINE (SYSTEM) LETTERING SHALL BE 1/4" AND BOTTOM LINE (VALVE NUMBER) SHALL BE 1/2". PROVIDE BRASS OR STAINLESS STEEL BEADED CHAIN WITH LOCKING LINKS TO ATTACH TAG TO VALVE.
5. PIPE MARKERS FOR ALL PIPING UNLESS NOTED OTHERWISE.
   A. LOCATE LABELS EVERY 25' FOR RUNS, ADJACENT TO ALL EQUIPMENT AND PIPE ACCESORIES.
   B. PLASTIC PIPE MARKERS: FACTORY FABRICATED, SELF-ADHESIVE OR STRAP ON TYPE MARKERS MARKERS SHALL FIT AROUND PIPE OR PIPE COVERING; MINIMUM INFORMATION INDICATING FLOW DIRECTION ARROW AND IDENTIFICATION OF FLUID BEING CONVEYED.
   C. UNDERGROUND PLASTIC PIPE MARKERS: BRIGHT COLORED CONTINUOUSLY PRINTED PLASTIC RIBBON TAPE, MINIMUM 6 INCHES WIDE BY 4 MIL THICK, MANUFACTURED FOR DIRECT BURIAL SERVICE. PROVIDE IN ALL LOCATIONS WHERE UNDERGROUND PLASTIC PIPING IS UTILIZED.

UNIONS

1. PROVIDE A UNION BETWEEN CONNECTIONS TO EACH FIXTURE, DEVICE OR PIECE OF EQUIPMENT FOR DISCONNECTING OF PIPING.

TESTING

1. PRIOR TO BEGINNING DEMOLITION WORK, TEST HOT AND COLD WATER TEMPERATURE AND FLOW RATE AT EACH EXISTING SINK WITHIN SCOPE OF WORK AND PROVIDE WRITTEN TESTING REPORT TO ARCHITECT. .
2. PRIOR TO BEGINNING DEMOLITION WORK, CAMERA EXISTING WASTE LINES WITHIN AREA OF PLUMBING WORK AND PROVIDE WRITTEN TESTING REPORT TO ARCHITECT.

CLEANING

1. AT THE COMPLETION OF THE WORK AND PRIOR TO FINAL ACCEPTANCE, ALL PARTS OF THE WORK INSTALLED UNDER THIS SPECIFICATION SHALL BE THOROUGHLY CLEANED. ALL EQUIPMENT, FIXTURES, PIPE, VALVES AND FITTINGS SHALL BE CLEANED OF GREASE, METAL CUTTINGS AND SLUDGE WHICH MAY HAVE ACCUMULATED BY OPERATION OF THE SYSTEM FOR TESTING HEREIN BEFORE SPECIFIED OR FROM OTHER CAUSES.

GUARANTEE

1. THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT AND WORKMANSHIP FROM DEFECT OF MATERIAL AND WORKMANSHIP, AND SHALL REPLACE OR REPAIR, WITHOUT ADDITIONAL COST TO THE OWNER, ALL DEFECTIVE MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR AFTER COMPLETION AND ACCEPTANCE.

COORDINATION

1. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR COORDINATING WORK WITH OTHER TRADES AFFECTED BY EACH OTHERS WORK AND FOR CUTTING AND RE-FINISHING OF EXISTING WALLS, FLOORS, SOLID AND SUSPENDED CEILINGS ETC., WHERE REQUIRED BY WORK SHOWN AND NOTED HEREIN. INSTALL ALL WORK TO CLEAR NEW AND EXISTING ARCHITECTURAL AND STRUCTURAL MEMBERS. ITEMS SUCH AS PIPE, FITTINGS, ETC., SHALL NOT BE INSTALLED IN CONFLICT WITH EQUIPMENT. COORDINATE ALL CUTTING AND PATCHING WITH THE GENERAL CONTRACTOR. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF HIS WORK. OBTAIN WRITTEN PERMISSION OF ARCHITECT BEFORE PROCEEDING WITH ANY CUTTING OR PATCHING OF STRUCTURAL SYSTEMS.
2. ALL SUBMITTALS, RFIS, AND SHOP DRAWINGS FOR APPROVAL BY ENGINEER SHALL BE SUBMITTED IN A TIMELY MANNER. ENGINEER SHALL HAVE 10 BUSINESS DAYS TO RESPOND TO ANY AND ALL SUBMISSIONS UNLESS AN EXPEDITED RESPONSE IS APPROVED BY ENGINEER.

SUBSTITUTIONS

1. SUBSTITUTIONS OF MATERIALS OR PRODUCTS SHOWN HEREIN SHALL BE AT THE OWNER'S, ARCHITECTS OR ENGINEER'S WRITTEN APPROVAL ONLY WITH COPIES OF APPROVAL SENT TO ARCHITECT FOR PROJECT FILE. DEVIATION FROM THESE DRAWINGS WILL NOT BE ALLOWED.
2. ANY FIELD CHANGES BY THE CONTRACTOR FOR WHICH THE LOCAL AUTHORITY REQUIRES A SEALED LETTER AND/OR DRAWING BY THE ENGINEER SHALL RESULT IN A COST TO THE CONTRACTOR. THE FEE FOR THESE CHANGES SHALL BE PAYABLE UPON DELIVERY OF THE LETTER/DRAWING AND UNLESS THE CHANGE WAS INSTITUTED BY THE OWNER. THE CONTRACTOR SHALL NOT CHARGE THE OWNER THIS FEE.
3. THE FEE FOR THE ABOVE NOTED LETTER/DRAWING SHALL BE $250.00 PER ITEM.
4. ANY DEVIATIONS FROM THESE PLANS (FOR ANY REASON INCLUDING ACTUAL FIELD CONDITIONS) WITH OUT PRIOR WRITTEN APPROVAL SHALL BE THE COMPLETE RESPONSIBILITY OF THE INSTALLING CONTRACTOR.

RECORD DRAWINGS

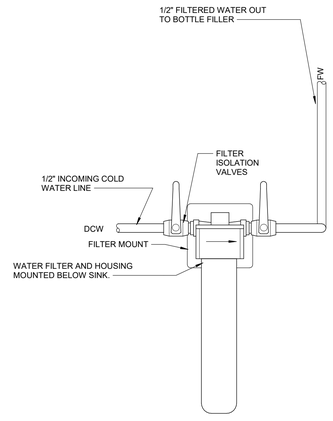
1. PROVIDE TWO (2) SETS OF "RECORD" DRAWINGS AND TWO (2) BOUND SETS OF ALL OPERATIONS MANUALS, DIAGRAMS, SERVICE CONTRACTS, GUARANTEES, ETC., ONE FOR THE OWNER AND ONE FOR BUILDING OPERATIONS DEPARTMENT. OBTAIN A COMPLETE SET OF RECORD DRAWINGS OF EXISTING CONSTRUCTION FROM THE OWNERS FOR INFORMATION ON EXISTING CONDITIONS. INCORPORATE ANY EXISTING CONDITIONS ON NEW RECORD DRAWINGS REQUIRED TO SHOW THE "INSTALLED" INSTALLATION.

PLUMBING SHEET INDEX

Sheet Number	Sheet Name	Revisions: Latest Rev	Revisions: Date
08 - PLUMBING			
P0.0	PLUMBING SPECIFICATIONS & LEGEND		
PD1.1	PLUMBING DEMOLITION PLAN - AREA A		
PD1.2	PLUMBING DEMOLITION PLAN - AREA A NORTH		
PD1.3	PLUMBING DEMOLITION PLAN - AREA A SOUTH		
P1.1	PLUMBING PLAN - AREA A		
P1.2	PLUMBING PLAN - AREA A NORTH		
P1.3	PLUMBING PLAN - AREA A SOUTH		

PLUMBING FIXTURE SCHEDULE

EQ. TYPE	MANUFACTURER	MODEL	CONNECTION SIZE DCW	DHW	W	V	DESCRIPTION
SK-1	ELKAY	ELUHAD141455	1/2"	1/2"	2"	2"	UNDERMOUNT, SINGLE COMPARTMENT, 14"x14"x5-1/2", 18 GA STAINLESS SINK., ELKAY LKD208813C DECK MOUNTED FAUCET WITH GOOSENECK SPOUT AND TWIN LEVER HANDLES. PROVIDE WITH PROFLO PF111 COUNTER MOUNTED BOTTLE FILLER WITH PROSELECT PSWFUC100 UNDERCOUNTER FILTER. PROVIDE WITH MCGUIRE PW2150NCOSAN & PW1151AWC INSULATED OFFSET WASTE ASSEMBLY WITH BASKET STRAINER, AND WATTS LFUSG-B ASSE 1070 LISTED MIXING VALVE.



1 P0.0 WATER FILTER DETAIL
NOT TO SCALE

CODE REVIEW:

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BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

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	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

PLUMBING SPECIFICATIONS & LEGEND

COMMISSION NUMBER:

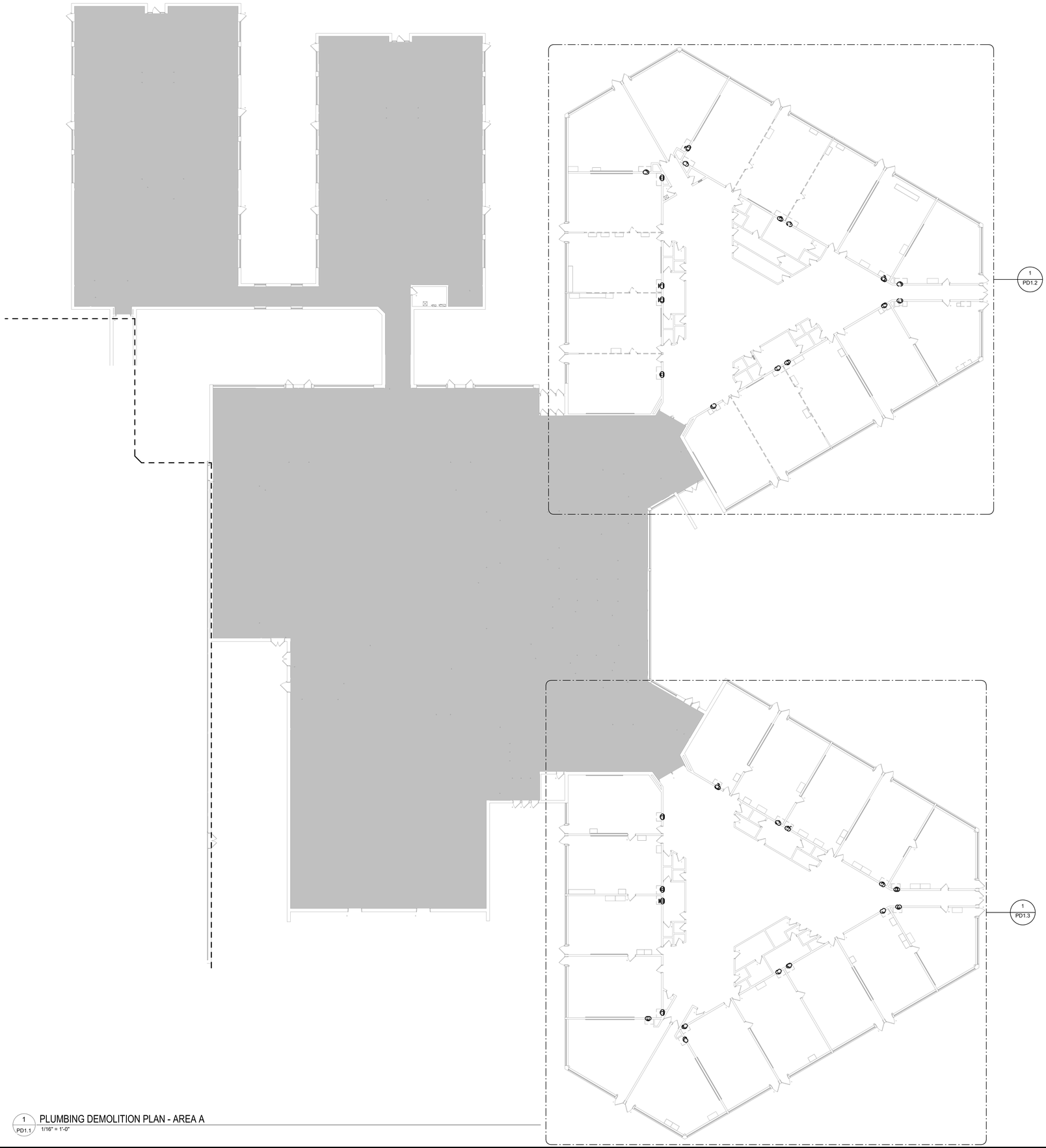
24K067

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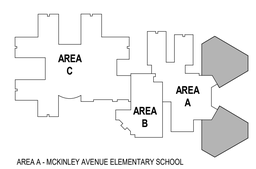
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P0.0

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1 PD1.1 PLUMBING DEMOLITION PLAN - AREA A
1/16" = 1'-0"



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

CODE REVIEW:

CERTIFICATE:

spiezle

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McKINLEY AVENUE ELEMENTARY SCHOOL
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STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

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REVISIONS:

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FOR BID: 10/15/2026

DRAWING TITLE:

PLUMBING DEMOLITION PLAN - AREA A

COMMISSION NUMBER:

24K067

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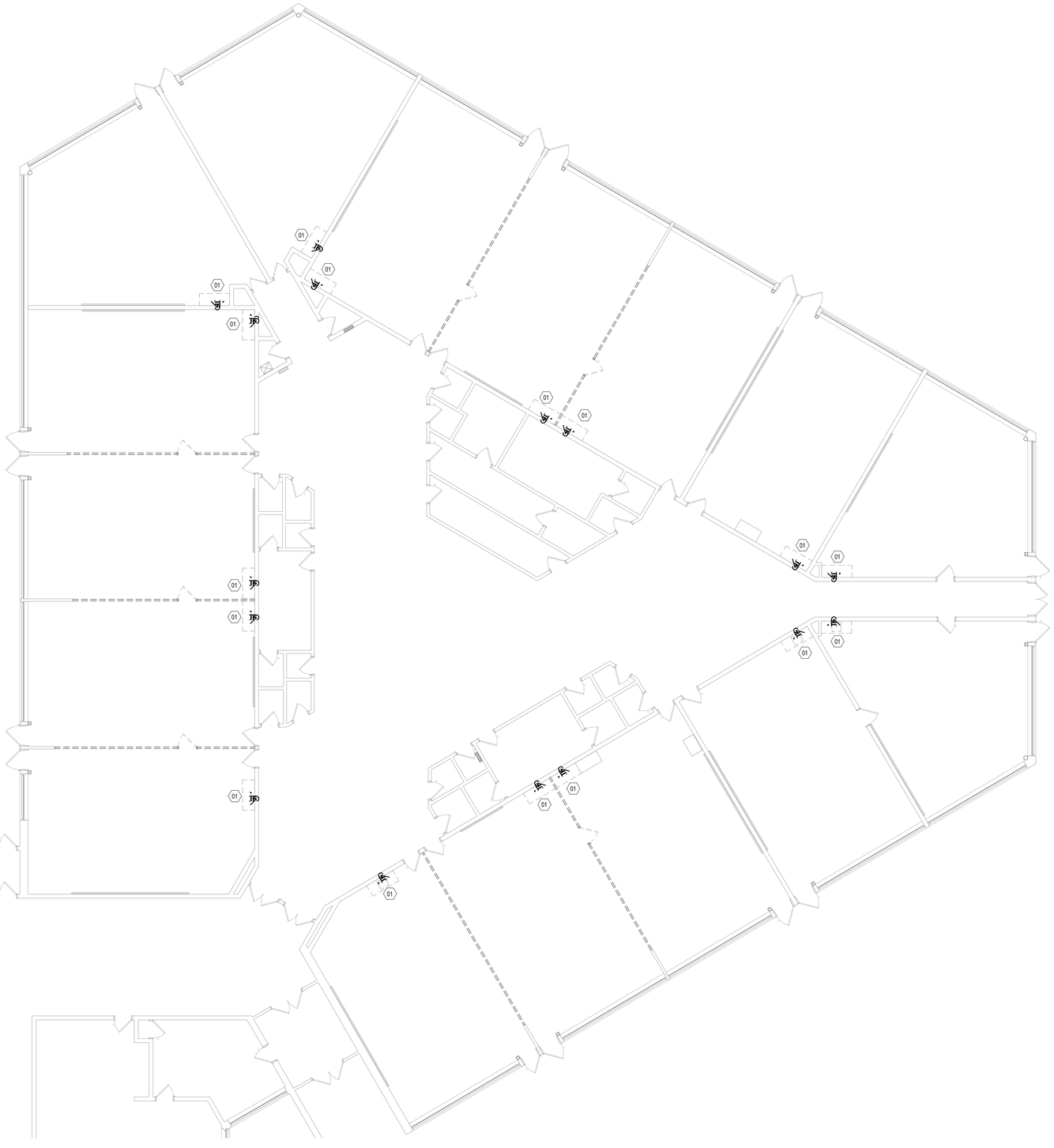
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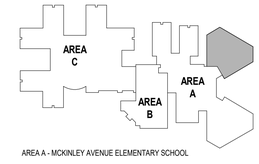
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KEYNOTES

01 CONNECT NEW SINK AND BOTTLE FILLER/FILTER TO EXISTING PLUMBING ROUGH-INS IN THIS LOCATION.



1 PD1.2 PLUMBING DEMOLITION PLAN - AREA A NORTH
1/8" = 1'-0"



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL

AREA B - STAFFORD TOWNSHIP ART CENTER

AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

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RENOVATIONS AT MULTIPLE SCHOOLS

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250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

PLUMBING DEMOLITION PLAN - AREA A NORTH

COMMISSION NUMBER:

24K067

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DRAWING NUMBER:

PD1.2

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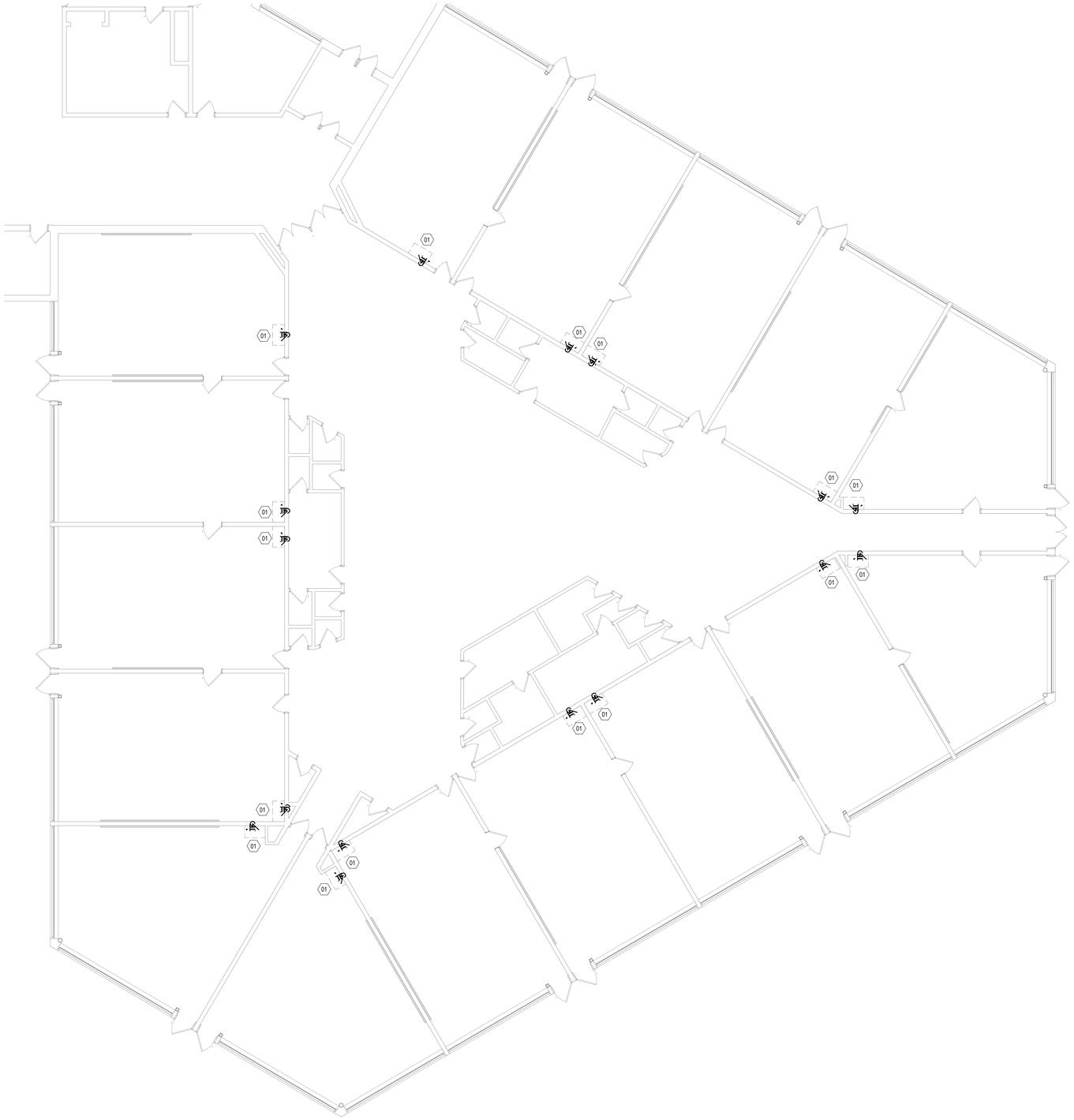
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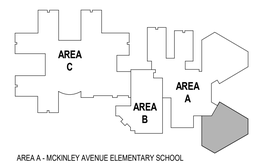
Autodesk Docs://24K067 - Stafford BOE - Renovations at Multiple Schools/24K067 - Stafford ES and McKinley ES_Mv25.rvt

KEYNOTES

01 CONNECT NEW SINK AND BOTTLE FILLER/FILTER TO EXISTING PLUMBING ROUGH-INS IN THIS LOCATION.



1 PD1.3 PLUMBING DEMOLITION PLAN - AREA A SOUTH
1/8" = 1'-0"



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

CODE REVIEW:

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PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

PLUMBING DEMOLITION PLAN - AREA A SOUTH

COMMISSION NUMBER:

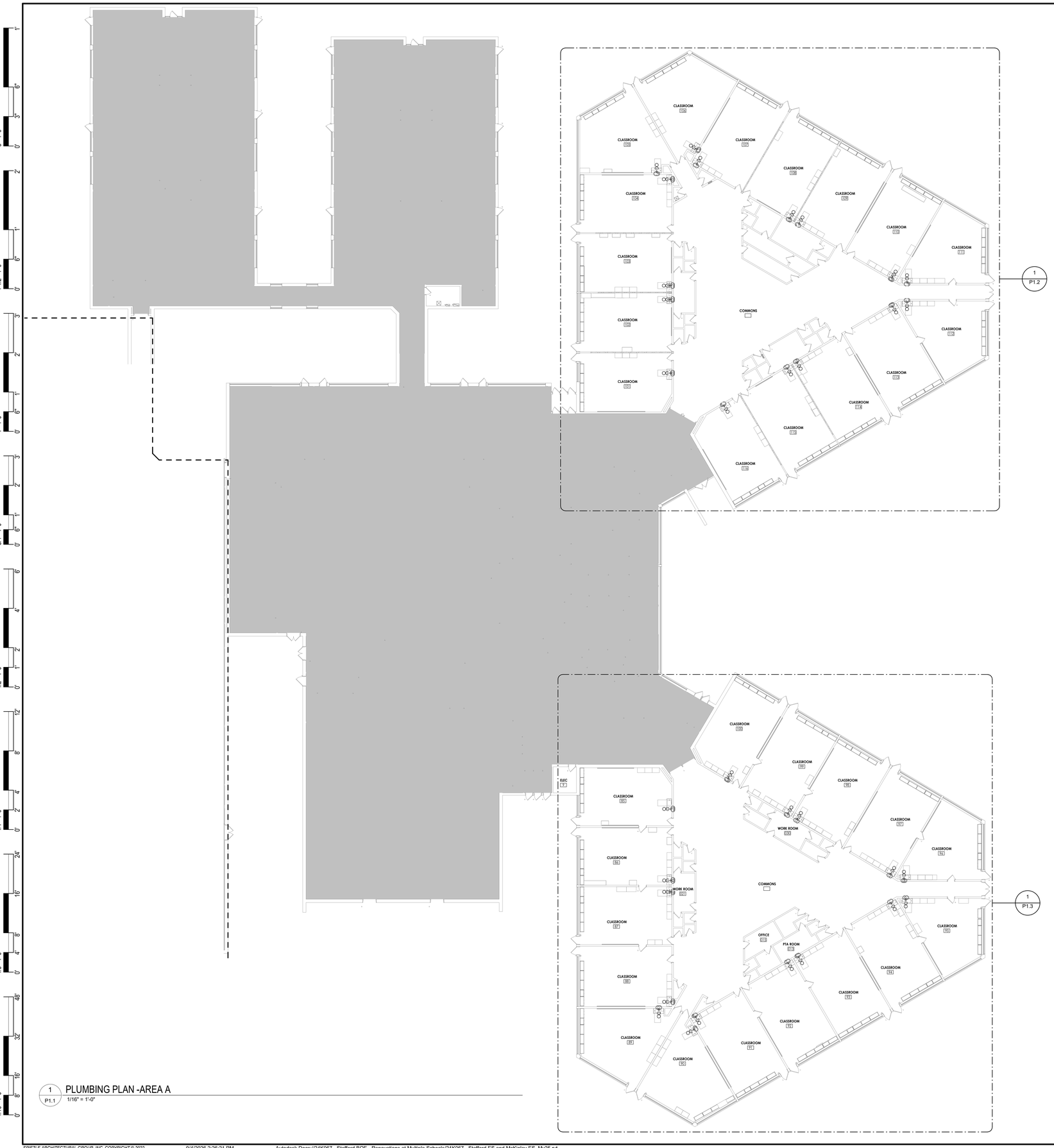
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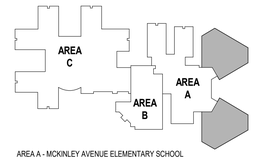
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1 P1.1 PLUMBING PLAN -AREA A
1/16" = 1'-0"



AREA A - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA B - STAFFORD TOWNSHIP ART CENTER
AREA C - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

GENERAL NOTES - PLUMBING

A. MECHANICAL SYSTEM UTILIZES A RETURN AIR PLENUM. DO NOT USE ANY MATERIALS WITH A FLAME SPREAD INDEX OF 25 AND SMOKE RATING 50.

B. EXACT LOCATION OF PLUMBING FIXTURES SHALL BE DETERMINED FROM ARCHITECTURAL DRAWINGS.

C. BEFORE SUBMITTING BID, THE PLUMBING CONTRACTOR SHALL REVIEW THE ARCHITECTURAL DRAWINGS AND INCLUDE IN HIS BID AN AMOUNT TO FURNISH AND INSTALL ANY FIXTURES WHICH ARE SHOWN IN ADDITION TO FIXTURES SHOWN ON THE PLUMBING DRAWINGS.

D. CONTRACTOR SHALL VERIFY AND COORDINATE LOCATION OF ALL PLUMBING LINES WITH DUCTWORK AND ELECTRICAL SERVICES.

E. THE INSTALLATION OF ALL VALVES, UNIONS, THERMOMETERS, GAUGES, OR OTHER INDICATING OR RECORDING EQUIPMENT, OR SPECIALTIES REQUIRING FREQUENT READING, REPAIRS, ADJUSTMENT, INSPECTION, REMOVAL OR REPLACEMENT SHALL BE CONVENIENTLY AND ACCESSIBLY LOCATED WITH REFERENCE TO THE FINISHED BUILDING.

F. CONTRACTOR SHALL NOT CUT HOLES IN STRUCTURAL MEMBERS WITHOUT FIRST SECURING WRITTEN APPROVAL FROM THE ARCHITECT.

G. CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.

H. CONTRACTOR SHALL ROUGH-IN ALL WASTES AND SUPPLIES TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURERS SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED.

I. INCLUDE ALL PERMITS, FEES, AND COSTS, ASSOCIATED WITH THE INSTALLATION OF PLUMBING WORK.

J. ALL PLUMBING SYSTEMS SHALL BE INSTALLED IN SUCH A MANNER AS TO COMPLETELY PREVENT THE POSSIBILITY OF CROSS CONNECTIONS BETWEEN SAFE AND UNSAFE SUPPLIES OR BACK SIPHONAGE.

CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
1395 YARDVILLE HAMILTON SQUARE ROAD
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PLUMBING PLAN - AREA A

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1 P1.2 PLUMBING PLAN - AREA A NORTH
1/8" = 1'-0"

KEYNOTES

01 CONNECT NEW SINK AND BOTTLE FILLER/FILTER TO EXISTING PLUMBING ROUGH-INS IN THIS LOCATION.

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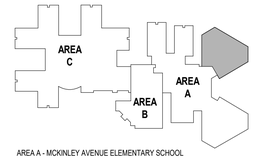
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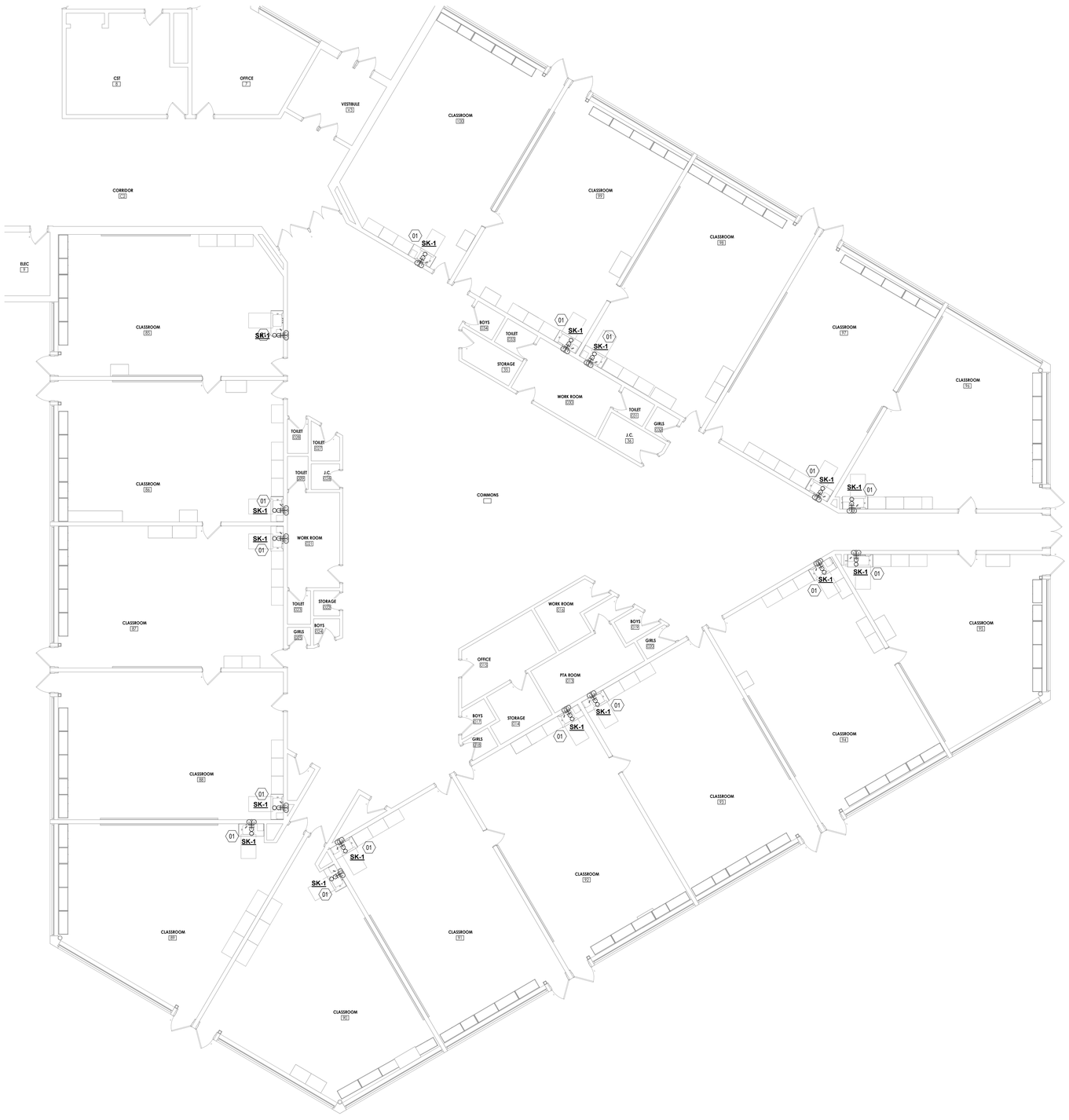
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1 P1.3 PLUMBING PLAN - AREA A SOUTH
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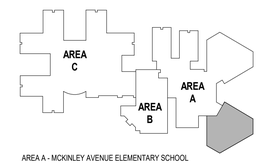
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PLUMBING PLAN - AREA A SOUTH

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GENERAL CONSTRUCTION NOTES

A. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NFPA 70 - 2020 EDITION), THE NATIONAL FIRE ALARM CODE (NFPA 72), THE NATIONAL LIFE SAFETY CODE (NFPA 101), THE AMERICANS WITH DISABILITIES ACT (ADA), ALL OTHER APPLICABLE LOCAL, STATE, AND NATIONAL CODES, AND ALL AUTHORITIES HAVING JURISDICTION.

B. CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY SUCH FEES AS MAY BE NECESSARY FOR INSPECTIONS, TESTS, AND OTHER SERVICES NEEDED FOR THE COMPLETION OF WORK.

C. IT IS THE INTENT OF THESE DRAWINGS AND OTHER RELATED DOCUMENTS TO PRODUCE A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND OTHER SERVICES AS MAY BE NECESSARY TO ACHIEVE THIS PRODUCT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BRING TO THE ATTENTION OF THE ENGINEER ANY DISCREPANCIES IN THE PLANS AND SPECIFICATIONS THAT WILL AFFECT THE WORK, PRIOR TO SUBMISSION OF THE PRICE.

D. ALL MATERIAL SHALL BE NEW AND BEAR THE UL LABEL INDICATING THE LISTING FOR ITS INSTALLED APPLICATION.

E. CONTRACTOR SHALL UTILIZE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF LIGHTING FIXTURES AND ALL OTHER LIGHTING/ELECTRICAL/SPECIAL SYSTEMS CEILING DEVICES.

F. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE DRAWINGS EXCEPT WHERE DIMENSIONS ARE SHOWN.

G. CONTRACTOR TO CONSULT PLANS OF ALL OTHER TRADES FOR COORDINATION AND FOR RELATED AND ADJOINING WORK.

H. CONTRACTOR TO CONSULT ARCHITECTURAL AND STRUCTURAL PLANS AND DETAILS FOR CONSTRUCTION TYPE, HEADROOM, CEILINGS, FINISHES, ETC. CONTRACTOR TO COORDINATE ALL CONDUITS AND ELECTRICAL DEVICES/BOXES WITH ARCHITECT AS RELATED TO WALL CONSTRUCTION TYPE PRIOR TO INSTALLATION.

I. ANY CONDUIT PENETRATING FIRE RATED WALLS SHALL BE APPROPRIATELY SEALED WITH RATED CAULKING. ANY CONDUIT PENETRATING THE ROOF SHALL BE APPROPRIATELY SEALED FOR THE CONDITIONS. COORDINATE WITH ARCHITECT'S DRAWINGS FOR FIRE RATED WALLS.

J. ALL CONDUCTORS IN ELECTRICAL SYSTEM SHALL BE NO. 12 AWG COPPER MINIMUM UNLESS SPECIFICALLY LABELED OTHERWISE OR AS REQUIRED BY SPECIFICATIONS OR CODE. THE CORRECT NUMBER OF WIRES MAY NOT BE INDICATED FOR ALL CIRCUITS, ONLY THOSE WHERE CLARIFICATION IS NECESSARY. THE CONTRACTOR SHALL PROVIDE ALL WIRES NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM.

K. ALL EMPTY CONDUIT RUNS IN EXCESS OF 10 FEET SHALL BE PROVIDED WITH A PULL STRING OR FISH TAPE.

L. RACEWAYS SHALL BE CONCEALED IN FINISHED SPACES AND AS PER SPECS. WHERE APPLICABLE, EXPOSED CONDUITS MOUNTED TO STRUCTURE SHALL BE RUN AS INCONSPICUOUSLY AS POSSIBLE, AND SHALL BE PAINTED TO MATCH SURFACE TO WHICH THEY ARE MOUNTED. CONDUITS SHALL RUN PARALLEL TO BUILDING LINES. ALL EXPOSED JUNCTION BOXES SHALL BE WEATHERPROOF, WITH NO KNOCKOUT.

M. PROVIDE "LOCKING" TYPE DEVICES ON ALL CIRCUIT BREAKERS THAT WILL SERVE EMERGENCY LIGHTING, SIGNS, FIRE ALARM SYSTEMS, AND SECURITY SYSTEMS.

N. PROVIDE COMPLIANCE WITH ANSI A117.1 FOR ADA REQUIREMENTS.

O. CONTRACTOR SHALL INCREASE WIRE SIZE AS REQUIRED TO MAINTAIN A 5-PERCENT WORST CASE VOLTAGE DROP, FROM SERVICE ENTRANCE TO FURTHEST DEVICE.

P. EACH INDIVIDUAL BRANCH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL UNLESS INDICATED OTHERWISE. WHEN MULTI-WIRE BRANCH CIRCUITS ARE SPECIFIED TO BE INSTALLED, PROVIDE MULTI-POLE CIRCUIT BREAKERS AS REQUIRED BY NEC 210.4(B). PROVIDE A #10 NEUTRAL CONDUCTOR FOR ALL MULTI-WIRE RECEPTACLE BRANCH CIRCUITS.

Q. ALL DEVICES (INCLUDING LIGHT SWITCH BOXES, ELECTRICAL OUTLET BOXES, AND FIRE ALARM PULL STATIONS) SHALL NOT BE RECESSED INTO THE OUTER MEMBRANE OF EXIT STAIR ENCLOSURES. LOCATE THESE DEVICES AS REQUIRED. THERE SHALL BE NO PENETRATIONS INTO AND OPENINGS THROUGH AN EXIT ENCLOSURE ASSEMBLY PER NFPA 101: 7.1.3.2.1(9).

R. ALL 125V, SINGLE PHASE, 15- AND 20-AMPERE RECEPTACLES INSTALLED IN THE LOCATIONS SPECIFIED BELOW SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL:
BATHROOMS, KITCHENS, BREAKROOMS, WITHIN 6' FEET OF SINKS, AND DISHWASHERS.
A. WHERE OUTLET IS NOT READILY ACCESSIBLE, PER NEC, PROVIDE GFCI TYPE BREAKER IN LIEU OF GFCI TYPE RECEPTACLE.

GENERAL DEMOLITION NOTES

A. REMOVE ALL EXISTING FIXTURES, WIRING DEVICES, ELECTRICAL EQUIPMENT AND BRANCH CIRCUIT WIRING, AS REQUIRED BY THE ARCHITECTURAL DEMOLITION WORK IN THE AREA TO BE RENOVATED. REMOVE WIRING BACK TO THE NEAREST POINT OF USAGE (SOURCE OF VOLTAGE). FOR ITEMS TO BE REMOVED, REMOVE THE ENTIRE ELECTRICAL INSTALLATION, INCLUDING ALL ASSOCIATED CONDUIT, JUNCTION BOXES, WIRING AND FITTINGS, INCLUDING CABLING AND SUPPORTS, SURFACE RACEWAY, ETC. REUSE EXISTING BOXES AND CONDUIT WHERE PRACTICAL. ALL CONDUIT NOT TO BE REUSED SHALL BE REMOVED.

B. WHERE EXISTING FIXTURES, WIRING DEVICES, AND ELECTRICAL EQUIPMENT ARE REMOVED, RECONNECT CIRCUITING AS REQUIRED TO MAINTAIN CONTINUITY TO OUTLETS REMAINING ON THE CIRCUIT WITHIN OCCUPIED SPACES.

C. WHERE REQUIRED BY NEW CONSTRUCTION, PROVIDE EXTENSION RINGS, COVERPLATES, OR ACCESS PLATES AS REQUIRED TO MAINTAIN ACCESS TO EXISTING WIRING.

D. FIELD VERIFY LOCATIONS OF EXISTING OUTLETS. WHERE NEW CONSTRUCTION CONFLICTS WITH EXISTING OUTLETS, REMOVE WIRING DEVICES OR RELOCATE FIXTURES AS REQUIRED.

E. WHERE EXISTING WIRING DEVICES ARE REMOVED AND JUNCTION BOXES ARE NOT REUSED, PATCH AND REPAIR OPENINGS. DO NOT PROVIDE BLANK COVERPLATES..

F. WHERE EXISTING CIRCUITS ARE EXTENDED TO SERVE NEW OR RELOCATED DEVICES OR FIXTURES, PROVIDE TYPE AND SIZE OF CONDUCTORS TO MATCH.

G. PROVIDE CUTTING AND PATCHING AS REQUIRED VERIFY EXTENT OF NEW AND EXISTING PARTITIONS WITH ARCHITECTURAL DRAWINGS.

H. EXISTING CIRCUITING SHALL BE FIELD VERIFIED AND ADJUSTMENTS SHALL BE MADE IF NECESSARY TO THE CIRCUITING SHOWN ON THE PLANS, AS REQUIRED BY FIELD CONDITIONS.

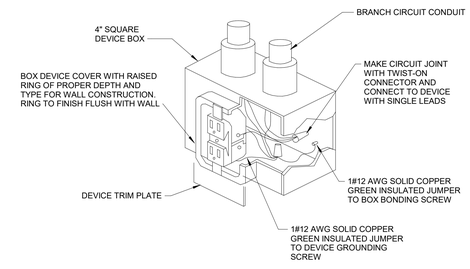
I. REMOVE AND CAP ALL EXISTING FLOOR OUTLETS IN SUCH MANNER AS TO RETAIN THE FIRE INTEGRITY OF THE FLOOR.

J. PROVIDE EPA COMPLIANT DISPOSAL FOR ALL HAZARDOUS WASTE INCLUDING FLUORESCENT OR HID LAMPS, AND PCB BALLAST REMOVED.

ABBREVIATIONS

NOTE: ALL MAY NOT BE USED.

A	AMPERES
AC	ALTERNATING CURRENT OR ABOVE COUNTER
A/E	ARCHITECT/ENGINEER
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTES, INC.
AT	AMPERE TRIP
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BC	BARE COPPER
BPS	BOLTED PRESSURE SWITCH
C	CONDUIT
CB	CIRCUIT BREAKER
CBM	CERTIFIED BALLAST MANUFACTURERS
CATV	COMMUNITY ANTENNA TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
cd	CANDELA RATING
CFL	COMPACT FLUORESCENT
CKT	CIRCUIT
CLG	CEILING
CT	CURRENT TRANSFORMER
CU	COPPER
DB	DIRECT BURIAL
dBA	DECIBEL LEVEL
DC	DIRECT CURRENT
DISP	GARBAGE DISPOSAL
DN	DOWN
DWG	DRAWING
E.C.	ELECTRICAL CONTRACTOR
EC	EMPTY CONDUIT
EF	EXHAUST FAN
EG	EQUIPMENT GROUND
ELBU	EMERGENCY LIGHTING BATTERY UNIT
EM	EMERGENCY
EMR	EQUIPMENT MANUFACTURER REQUIREMENT
EMT	ELECTRIC METALLIC TUBING
ETR	EXISTING TO REMAIN
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
EX	EXISTING
F	FUSE
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FABP	FIRE ALARM BOOSTER PANEL
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FDAS	FIRE DETECTION ALARM SYSTEM
FLUOR	FLUORESCENT
FPVAV	FAN POWERED VARIABLE AIR VOLUME BOX
FPN	FUSE PER NAMEPLATE
GC	GENERAL CONTRACTOR
GF,GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GFR	GROUND FAULT RELAY
G, GND	GROUND
HH	HANDHOLE
HOA	HAND OFF AUTOMATIC
HP	HORSEPOWER
HZ	HERTZ
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KW	KILOWATT
KV	KILO VOLT
KVA	KILO VOLT-AMPERE
L	LOCKING
LCP	LIGHTING CONTROL PANEL
LV	LOW VOLTAGE
MATV	MASTER ANTENNA TELEVISION
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MDS	MAIN DISTRIBUTION SWITCHBOARD
MLO	MAIN LUGS ONLY
MH	MANHOLE
MSP	MOTOR STARTER PANEL
MT	MOUNT
MTS	MANUAL TRANSFER SWITCH
MHT	MOUNTING HEIGHT
MV	MEDIUM VOLTAGE
MW	MICROWAVE
N	NEUTRAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NIC	NOT IN CONTRACT
NF	NON FUSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
PA	PUBLIC ADDRESS
PB	PULLBOX
PH	PHASE
P	POLE
PNL	PANELBOARD
PT	POTENTIAL TRANSFORMER
PWR	POWER
Q	QUARTS RESTRIKE LAMP
R	RACEWAY
REC	RECEPTACLE
RECEPT	
REF	REFRIGERATOR
RL	RELOCATE EXISTING
RM	ROOM
RMC	RIGID METAL CONDUIT
RS	RAPID START
RV	REMOVE EXISTING
SA	SURGE ARRESTOR
SN	SOLID NEUTRAL
SPD	SURGE PROTECTION DEVICE
SS	SAFETY SWITCH
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TMGB	MAIN TELECOM GROUND BAR
TGB	TELECOM GROUND BAR
TTB	TELEPHONE TERMINAL BOARD
TTC	TELEPHONE TERMINAL CABINET
TEL	TELEPHONE
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UC	UNDER COUNTER
UH	UNIT HEATER
UL	UNDERWRITERS' LABORATORIES, INC.
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VP	VAPOR PROOF
VAV	VARIABLE AIR VOLUME BOX
VFC	VARIABLE FREQUENCY CONTROLLER
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE, WATTS
WAP	WIRELESS ACCESS POINT
WH	WATER HEATER
WP	WEATHERPROOF
XFMR	TRANSFORMER



1 E0.0 RECEPTACLE GROUNDING DETAIL
NOT TO SCALE

SYMBOLS - ELECTRICAL

NOTE: ALL MAY NOT BE USED.

GENERAL

- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- J — JUNCTION BOX, CEILING-MOUNTED AND WALL-MOUNTED RESPECTIVELY, SIZED PER NEC
- B — DEVICE BOX WITH BLANK FACEPLATE

POWER

- HOMERUN TO PANELBOARD - NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS
- T OR — DRY-TYPE DISTRIBUTION TRANSFORMER; FLOOR MTD or TRAPEZE / WALL HUNG AS INDICATED ON PLANS
- 208Y/120V PANELBOARD OR 240V PANELBOARD
- 480Y/277V PANELBOARD
- SERVICE OR EQUIPMENT GROUND
- SPD — SURGE PROTECTIVE DEVICE
- DUPLEX RECEPTACLE, 20 AMP, 120V
- DUPLEX RECEPTACLE MOUNTED HIGH, ABOVE COUNTER / BACKSPLASH OR AS INDICATED; SEE "MOUNTING HEIGHTS" THIS SHEET
- QUADRAPLEX RECEPTACLE, 20 AMP, 120V
- QUADRAPLEX RECEPTACLE MOUNTED HIGH, ABOVE COUNTER / BACKSPLASH OR AS INDICATED; SEE "MOUNTING HEIGHTS" THIS SHEET
- DEDICATED SINGLE RECEPTACLE, SUBSCRIPT INDICATES AMPERAGE/NEMA RATING
- C — CEILING MOUNTED DUPLEX RECEPTACLE, 20 AMP, 120V

** TYPICAL SUBSCRIPTS FOR RECEPTACLES:

D	= DEDICATED CIRCUIT	REF	= REFRIGERATOR
EWC	= ELECTRIC WATER COOLER	T	= TVSS
GFI	= GROUND FAULT INTERRUPTER TYPE	TP	= TAMPERPROOF
IG	= ISOLATED GROUND	USB	= DUPLEX WITH (1) USB-A AND (1) USB-C PORT
MW	= MICROWAVE	UC	= UNDERCOUNTER
		WP	= WEATHERPROOF/WEATHER RESISTANT

- FLUSH MOUNTED POKE-THROUGH WITH (2) RECEPTACLES; PROVIDE WIREMOLD # 6ATC2P-BK / 6CT2-BK WITH (1)#8B; (1) #8DP

COMMUNICATIONS

- DEDICATED WALL PHONE OUTLET, MOUNTED AT 44" AFF UON
- COMBINATION TELEPHONE/DATA OUTLET. PROVIDE SINGLE-GANG BOX 18" AFF UON AND 1"C STUBBED OUT ABOVE ACCESSIBLE CEILING
- SAME AS EXCEPT MOUNTED HIGH ABOVE COUNTER / BACKSPLASH, OR HEIGHT INDICATED; SEE "MOUNTING HEIGHTS" THIS SHEET

** TYPICAL FOR ALL COMMUNICATIONS OUTLETS:
TP = TAMPERPROOF
C = CEILING MOUNTED
SUBSCRIPT, IF SHOWN, INDICATES # OF RJ-45 CONNECTIONS

LIGHTING

- TYPICAL LUMINAIRE (NOT ALL SYMBOLS USED ARE SHOWN)
  - SUBSCRIPT INDICATES FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE)
  - HATCH, FIXTURE TYPE, OR SUBSCRIPT "EM" INDICATES FIXTURE PROVIDED WITH BATTERY BACKUP AS INDICATED ON DRAWINGS
- EXIT SIGN, SINGLE-FACED AND DOUBLE-FACED RESPECTIVELY. SHADED AREA REPRESENTS FACE. PROVIDE WITH ARROWS AS INDICATED
- OC — CEILING MOUNTED OCCUPANCY SENSOR
- S — WALL-MOUNTED SINGLE POLE SWITCH WITH ON/OFF CONTROL
- SM — WALL-MOUNTED OCCUPANCY SENSOR SWITCH WITH (1) BUTTON, ON/OFF
- SMD — WALL-MOUNTED OCCUPANCY SENSOR SWITCH WITH RAISE/LOWER DIMMING
- SD* — DIMMER SWITCH, ALL ON/ALL OFF/RAISE/LOWER, * INDICATES NUMBER OF ZONES
- S3a — THREE WAY SWITCH (LOWERCASE SUBSCRIPT, IF SHOWN, INDICATES FIXTURE CONTROLLED)

SPECIAL SYSTEMS

- S — WALL MOUNTED SPEAKER
- S — CEILING MOUNTED SPEAKER
- J PS — CONNECTION TO CEILING MOUNTED PROJECTION SCREEN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MANUFACTURER'S INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN
- REMOTE START-STOP PUSHBUTTON STATION

MOUNTING HEIGHTS

HEIGHTS INDICATED ON PLANS TAKE PRECEDENCE WHERE NOT INDICATED ON PLANS, THE FOLLOWING SHALL BE MET. DISTANCE IS FROM FINISHED FLOOR TO CENTER OF DEVICE, UON

RECEPTACLES:

GENERAL	18"	UNLESS OTHERWISE NOTED
ABOVE 36" COUNTER TOPS	44"	MOUNT HORIZONTALLY, UNLESS OTHERWISE NOTED
ABOVE OR ADJACENT TO LAVATORIES	44"	UNLESS OTHERWISE NOTED
BEHIND REFRIGERATORS	52"	UNLESS OTHERWISE NOTED
BEHIND WASHERS/DRYERS	44"	UNLESS OTHERWISE NOTED
LIGHT SWITCHES/OCCUPANCY WALL SWITCHES	44"	

COMMUNICATIONS OUTLETS:

TELE/DATA OUTLETS		SAME AS ADJACENT RECEPTACLE
ABOVE COUNTER TOPS	44"	MOUNT HORIZONTALLY, WHERE NOTED ON PLANS
CABLE TV OUTLETS		SAME AS ADJACENT RECEPTACLE
AUDIO-VISUAL OUTLETS		SAME AS ADJACENT RECEPTACLE

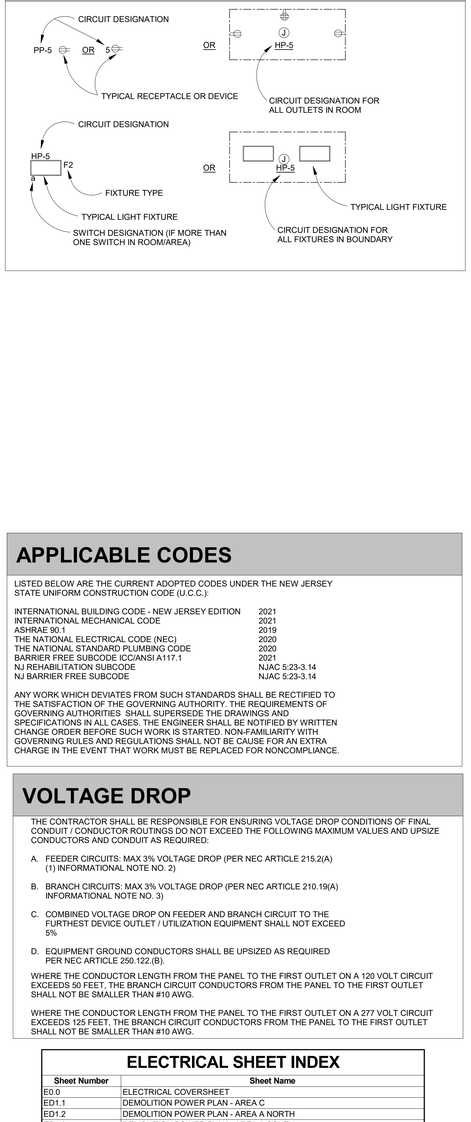
NOTES:

1) FOR ALL DEVICES LOCATED IN CMU WALL, INSTALL BOXES AS FOLLOWS: THE TOP OF THE BOX SHALL MATCH THE TOP OF THE BLOCK COURSING. MOUNT BOXES AT 48" TO TOP FOR SWITCHES AND 16" TO BOTTOM OF BOXES FOR OUTLETS. WHERE OUTLETS ARE SHOWN TO BE MOUNTED HIGH, ADJUST HEIGHT AS REQUIRED TO TOP OF BLOCK COURSING.

2) WHERE CARD READERS AND LIGHT SWITCHES ARE LOCATED NEXT TO EACH OTHER AT A DOOR, CARD READER SHALL BE MOUNTED NEXT TO DOOR. CONFIRM EXACT HEIGHT AND LOCATION OF CARD READERS WITH ARCHITECT PRIOR TO ROUGH-IN.

3) COMPLY WITH ANSI A117.1 AT ALL LOCATIONS.

LEGEND - TYPICAL CIRCUITING



APPLICABLE CODES

LISTED BELOW ARE THE CURRENT ADOPTED CODES UNDER THE NEW JERSEY STATE UNIFORM CONSTRUCTION CODE (U.C.C.):

INTERNATIONAL BUILDING CODE - NEW JERSEY EDITION	2021
INTERNATIONAL MECHANICAL CODE	2021
ASHRAE 90.1	2019
THE NATIONAL ELECTRICAL CODE (NEC)	2020
THE NATIONAL STANDARD PLUMBING CODE	2020
BARRIER FREE SUBCODE ICC/ANSI A117.1	2021
NJ REHABILITATION SUBCODE	NJAC 5:23-3.14
NJ BARRIER FREE SUBCODE	NJAC 5:23-3.14

ANY WORK WHICH DEVIATES FROM SUCH STANDARDS SHALL BE RECTIFIED TO THE SATISFACTION OF THE GOVERNING AUTHORITY. THE REQUIREMENTS OF GOVERNING AUTHORITIES SHALL SUPERSEDE THE DRAWINGS AND SPECIFICATIONS IN ALL CASES. THE ENGINEER SHALL BE NOTIFIED BY WRITTEN CHANGE ORDER BEFORE SUCH WORK IS STARTED. NON-FAMILIARITY WITH GOVERNING RULES AND REGULATIONS SHALL NOT BE CAUSE FOR AN EXTRA CHARGE IN THE EVENT THAT WORK MUST BE REPLACED FOR NONCOMPLIANCE.

VOLTAGE DROP

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING VOLTAGE DROP CONDITIONS OF FINAL CONDUIT / CONDUCTOR ROUTINGS DO NOT EXCEED THE FOLLOWING MAXIMUM VALUES AND UPSIZE CONDUCTORS AND CONDUIT AS REQUIRED:

A. FEEDER CIRCUITS: MAX 3% VOLTAGE DROP (PER NEC ARTICLE 215.2(A) (1) INFORMATIONAL NOTE NO. 2)

B. BRANCH CIRCUITS: MAX 3% VOLTAGE DROP (PER NEC ARTICLE 210.19(A) INFORMATIONAL NOTE NO. 3)

C. COMBINED VOLTAGE DROP ON FEEDER AND BRANCH CIRCUIT TO THE FURTHEST DEVICE OUTLET / UTILIZATION EQUIPMENT SHALL NOT EXCEED 5%

D. EQUIPMENT GROUND CONDUCTORS SHALL BE UPSIZED AS REQUIRED PER NEC ARTICLE 250.122.(B).

WHERE THE CONDUCTOR LENGTH FROM THE PANEL TO THE FIRST OUTLET ON A 120 VOLT CIRCUIT EXCEEDS 50 FEET, THE BRANCH CIRCUIT CONDUCTORS FROM THE PANEL TO THE FIRST OUTLET SHALL NOT BE SMALLER THAN #10 AWG.

WHERE THE CONDUCTOR LENGTH FROM THE PANEL TO THE FIRST OUTLET ON A 277 VOLT CIRCUIT EXCEEDS 125 FEET, THE BRANCH CIRCUIT CONDUCTORS FROM THE PANEL TO THE FIRST OUTLET SHALL NOT BE SMALLER THAN #10 AWG.

ELECTRICAL SHEET INDEX

Sheet Number	Sheet Name
E0.0	ELECTRICAL COVERSHEET
ED1.1	DEMOLITION POWER PLAN - AREA C
ED1.2	DEMOLITION POWER PLAN - AREA A NORTH
ED1.3	DEMOLITION POWER PLAN - AREA A SOUTH
ED2.1	DEMOLITION LIGHTING PLAN - AREA C
ED2.2	DEMOLITION LIGHTING PLAN - AREA A NORTH
ED2.3	DEMOLITION LIGHTING PLAN - AREA A SOUTH
E1.1	POWER PLAN - AREA C
E1.2	POWER PLAN - AREA A NORTH
E2.1	LIGHTING PLAN - AREA C
E2.2	LIGHTING PLAN - AREA A NORTH
E2.3	LIGHTING PLAN - AREA A SOUTH
E6.0	LIGHTING FIXTURE SCHEDULE
E7.0	PARTIAL EXISTING RISER DIAGRAM

CODE REVIEW:

CERTIFICATE:

spiezle

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BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
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McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

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	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

ELECTRICAL COVERSHEET

COMMISSION NUMBER:

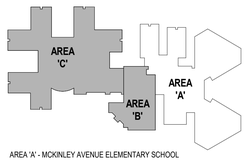
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AREA 'A' - MCKINLEY AVENUE ELEMENTARY SCHOOL

AREA 'B' - STAFFORD TOWNSHIP ART CENTER

AREA 'C' - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

2 ED1.1 ENLARGED POWER PLAN - STAGE 78
1/8" = 1'-0"

1 ED1.1 DEMOLITION POWER PLAN - AREA C
1/16" = 1'-0"

KEYED NOTES

01 EXISTING IN-FLOOR RECEPTACLE TO BE REMOVED ALONG WITH ASSOCIATED FLOORING. REUSE EXISTING BRANCH CIRCUIT TO SERVE NEW FLUSH FLOOR RECEPTACLE. VERIFY EXACT REQUIREMENTS PRIOR TO ANY DEMOLITION WORK.

GENERAL NOTES - DEMO

A. REMOVE DEVICES WITH 'RV' SUBSCRIPT. RELOCATE DEVICES WITH 'RL' SUBSCRIPT. EXISTING DEVICES WITH 'EX' SUBSCRIPT SHALL REMAIN.

B. REMOVE ALL ELECTRICAL DEVICES LOCATED ON WALLS TO BE DEMOLISHED AND AS REQUIRED BY ARCHITECTURAL WORK, INCLUDING RECEPTACLES AND TELEPHONE/DATA OUTLETS, SURFACE RACEWAY, JUNCTION BOXES, AND ALL ASSOCIATED CONDUIT AND WIRING, UNLESS OTHERWISE NOTED. DEVICES SHOWN ARE MEANT TO AID THE CONTRACTOR AND ARE NOT INTENDED TO SHOW EVERY DEVICE TO BE REMOVED.

C. FOR ITEMS TO BE REMOVED, REMOVE THE ENTIRE ELECTRICAL INSTALLATION, INCLUDING ALL ASSOCIATED CONDUIT, JUNCTION BOXES, WIRING AND FITTINGS, INCLUDING TELECOMMUNICATIONS CABLING AND SUPPORTS, SURFACE RACEWAY, ETC. UNLESS NOTED OTHERWISE. REMOVE WIRING BACK TO THE NEAREST POINT OF USAGE (SOURCE OF VOLTAGE).

D. CONTRACTOR SHALL REUSE EXISTING CONDUIT, BOXES, AND WIRING TO FURTHEST EXTENT PRACTICAL UNDER NEW WORK SCOPE. ALL CONDUIT NOT TO BE REUSED SHALL BE REMOVED. DO NOT LEAVE ABANDONED CONDUIT AND BOXES. WHERE OPENINGS ARE NOT REUSED, PATCH AND REPAIR. DO NOT USE BLANK FACEPLATES.

E. EXISTING ELECTRICAL DEVICES, INCLUDING RECEPTACLES AND TELEPHONE/DATA OUTLETS, LOCATED ON WALLS TO REMAIN SHALL REMAIN, UNLESS NOTED OTHERWISE. DEVICES SHOWN ARE MEANT TO AID THE CONTRACTOR AND ARE NOT INTENDED TO SHOW EVERY DEVICE TO REMAIN. IF NOTED 'RV', THEN REMOVE ITEM; OTHERWISE LEAVE EXISTING DEVICE. MAINTAIN CIRCUITRY AND EXTEND CONDUIT AND WIRING AS REQUIRED.

F. PROVIDE CUTTING AND PATCHING AS REQUIRED. VERIFY EXTENT OF NEW AND EXISTING PARTITIONS WITH ARCHITECTURAL DRAWINGS.

G. FOR MECHANICAL EQUIPMENT REMOVED, COORDINATE WITH MECHANICAL CONTRACTOR. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRING BACK TO PANEL.

H. REMOVE ALL EXISTING CEILING MOUNTED SPEAKERS AND ASSOCIATED CABLING DURING CONSTRUCTION AS REQUIRED FOR DEMOLISHED CEILINGS. PROTECT EXISTING SPEAKERS TO REMAIN. REINSTALL EXISTING SPEAKERS IN NEW CEILINGS AND RELOCATE AS REQUIRED FOR NEW LIGHTING FIXTURE LOCATIONS. COORDINATE WITH OWNER AND ARCHITECT. MAINTAIN EXISTING SYSTEM'S OPERATIONAL INTEGRITY. DEVICES SHOWN ARE MEANT TO AID THE CONTRACTOR AND ARE NOT INTENDED TO SHOW EVERY DEVICE.

I. PROTECT ALL EXISTING CEILING MOUNTED SECURITY CAMERAS DURING CONSTRUCTION. COORDINATE RELOCATION OF CAMERAS IN NEW CEILINGS WITH OWNER. DEVICES SHOWN ARE MEANT TO AID THE CONTRACTOR AND ARE NOT INTENDED TO SHOW EVERY DEVICE.

J. REMOVE ALL EXISTING WI-FI CEILING DEVICES AND PROTECT DURING CONSTRUCTION. REINSTALL DEVICES IN NEW CEILING. COORDINATE ASSOCIATED WORK WITH OWNER AND ARCHITECT. MAINTAIN EXISTING SYSTEM'S COVERAGE AND OPERATIONAL INTEGRITY. DEVICES SHOWN ARE MEANT TO AID THE CONTRACTOR AND ARE NOT INTENDED TO SHOW EVERY DEVICE.

3"=1'-0" 1 1/2"=1'-0" 1"=1'-0" 3/4"=1'-0" 1/2"=1'-0" 1/4"=1'-0" 1/8"=1'-0" 1/16"=1'-0"

CODE REVIEW:

CERTIFICATE:

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PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

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STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

DEMOLITION POWER PLAN - AREA C

COMMISSION NUMBER:

24K067

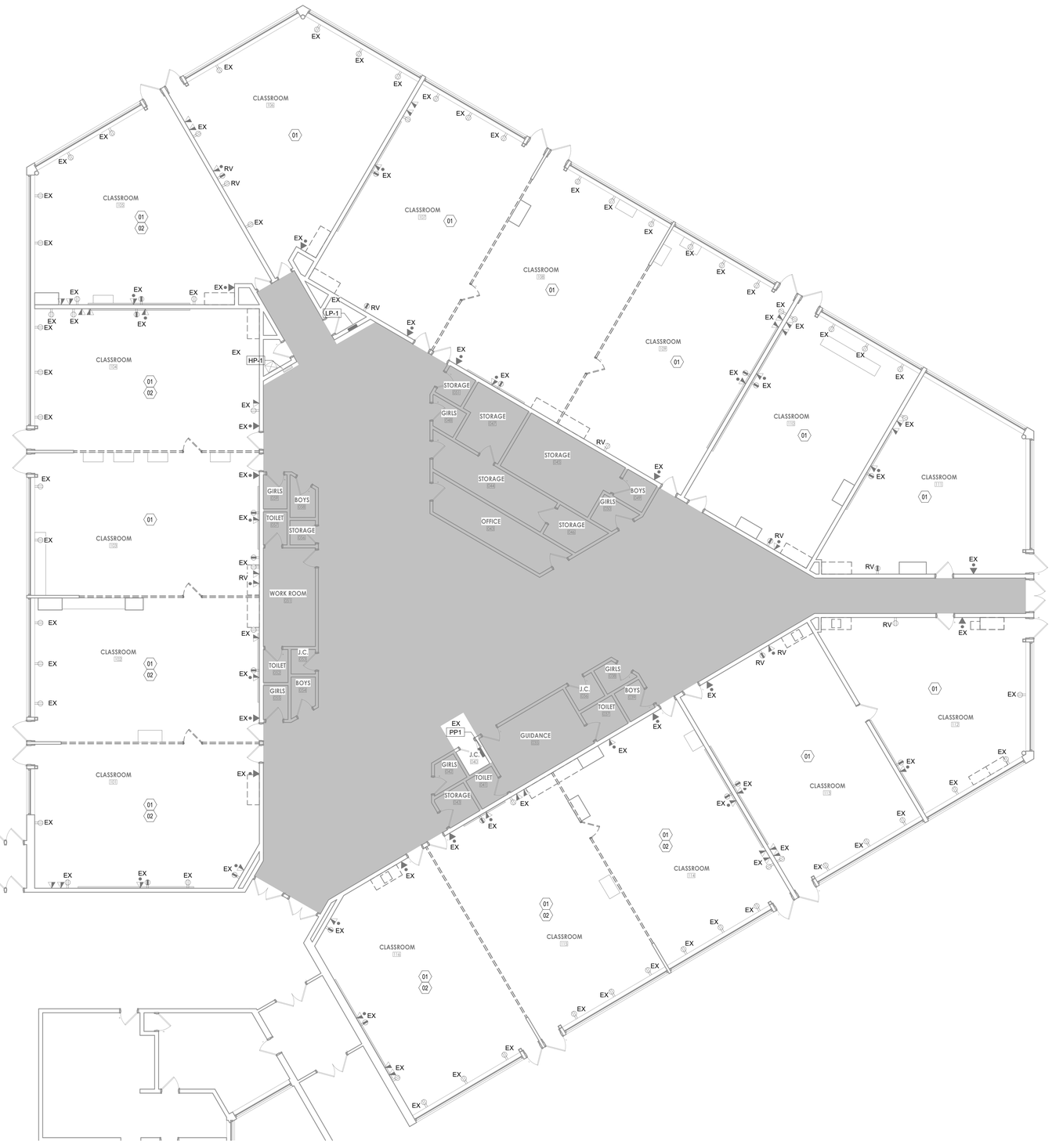
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1 ED1.2 DEMOLITION POWER PLAN - AREA C NORTH
1/8" = 1'-0"

GENERAL NOTES - DEMO

A. REMOVE DEVICES WITH 'RV' SUBSCRIPT. RELOCATE DEVICES WITH 'RL' SUBSCRIPT. EXISTING DEVICES WITH 'EX' SUBSCRIPT SHALL REMAIN.

B. REMOVE ALL ELECTRICAL DEVICES LOCATED ON WALLS TO BE DEMOLISHED AND AS REQUIRED BY ARCHITECTURAL WORK, INCLUDING RECEPTACLES AND TELEPHONE/DATA OUTLETS, SURFACE RACEWAY, JUNCTION BOXES, AND ALL ASSOCIATED CONDUIT AND WIRING, UNLESS OTHERWISE NOTED. DEVICES SHOWN ARE MEANT TO AID THE CONTRACTOR AND ARE NOT INTENDED TO SHOW EVERY DEVICE TO BE REMOVED.

C. FOR ITEMS TO BE REMOVED, REMOVE THE ENTIRE ELECTRICAL INSTALLATION, INCLUDING ALL ASSOCIATED CONDUIT, JUNCTION BOXES, WIRING AND FITTINGS, INCLUDING TELECOMMUNICATIONS CABLING AND SUPPORTS, SURFACE RACEWAY, ETC, UNLESS NOTED OTHERWISE. REMOVE WIRING BACK TO THE NEAREST POINT OF USAGE (SOURCE OF VOLTAGE).

D. CONTRACTOR SHALL REUSE EXISTING CONDUIT, BOXES, AND WIRING TO FURTHEST EXTENT PRACTICAL UNDER NEW WORK SCOPE. ALL CONDUIT NOT TO BE REUSED SHALL BE REMOVED. DO NOT LEAVE ABANDONED CONDUIT AND BOXES. WHERE OPENINGS ARE NOT REUSED, PATCH AND REPAIR. DO NOT USE BLANK FACEPLATES.

E. EXISTING ELECTRICAL DEVICES, INCLUDING RECEPTACLES AND TELEPHONE/DATA OUTLETS, LOCATED ON WALLS TO REMAIN SHALL REMAIN, UNLESS NOTED OTHERWISE. DEVICES SHOWN ARE MEANT TO AID THE CONTRACTOR AND ARE NOT INTENDED TO SHOW EVERY DEVICE TO REMAIN. IF NOTED 'RV', THEN REMOVE ITEM; OTHERWISE LEAVE EXISTING DEVICE. MAINTAIN CIRCUITRY AND EXTEND CONDUIT AND WIRING AS REQUIRED.

F. PROVIDE CUTTING AND PATCHING AS REQUIRED. VERIFY EXTENT OF NEW AND EXISTING PARTITIONS WITH ARCHITECTURAL DRAWINGS.

G. REMOVE ALL EXISTING CEILING MOUNTED SPEAKERS AND ASSOCIATED CABLING DURING CONSTRUCTION AS REQUIRED FOR DEMOLISHED CEILINGS. PROTECT EXISTING SPEAKERS TO REMAIN. REINSTALL EXISTING SPEAKERS IN NEW CEILINGS AND RELOCATE AS REQUIRED FOR NEW LIGHTING FIXTURE LOCATIONS. COORDINATE WITH OWNER AND ARCHITECT. MAINTAIN EXISTING SYSTEM'S OPERATIONAL INTEGRITY. DEVICES SHOWN ARE MEANT TO AID THE CONTRACTOR AND ARE NOT INTENDED TO SHOW EVERY DEVICE.

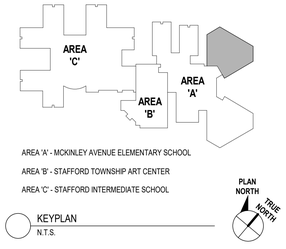
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(##) KEYED NOTES

01 EXISTING FIRE ALARM DEVICES IN EXISTING ACT CEILING TO BE REMOVED AND REINSTALLED IN NEW ACT CEILING. VERIFY EXTENT OF WORK PRIOR TO ANY DEMOLITION.

02 ALL POWER AND DATA DEVICES WITHIN CLASSROOMS TO REMAIN.



AREA 'A' - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA 'B' - STAFFORD TOWNSHIP ART CENTER
AREA 'C' - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

CODE REVIEW:

CERTIFICATE:

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250 NORTH MAIN STREET,
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FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

DEMOLITION POWER PLAN - AREA A NORTH

COMMISSION NUMBER:

24K067

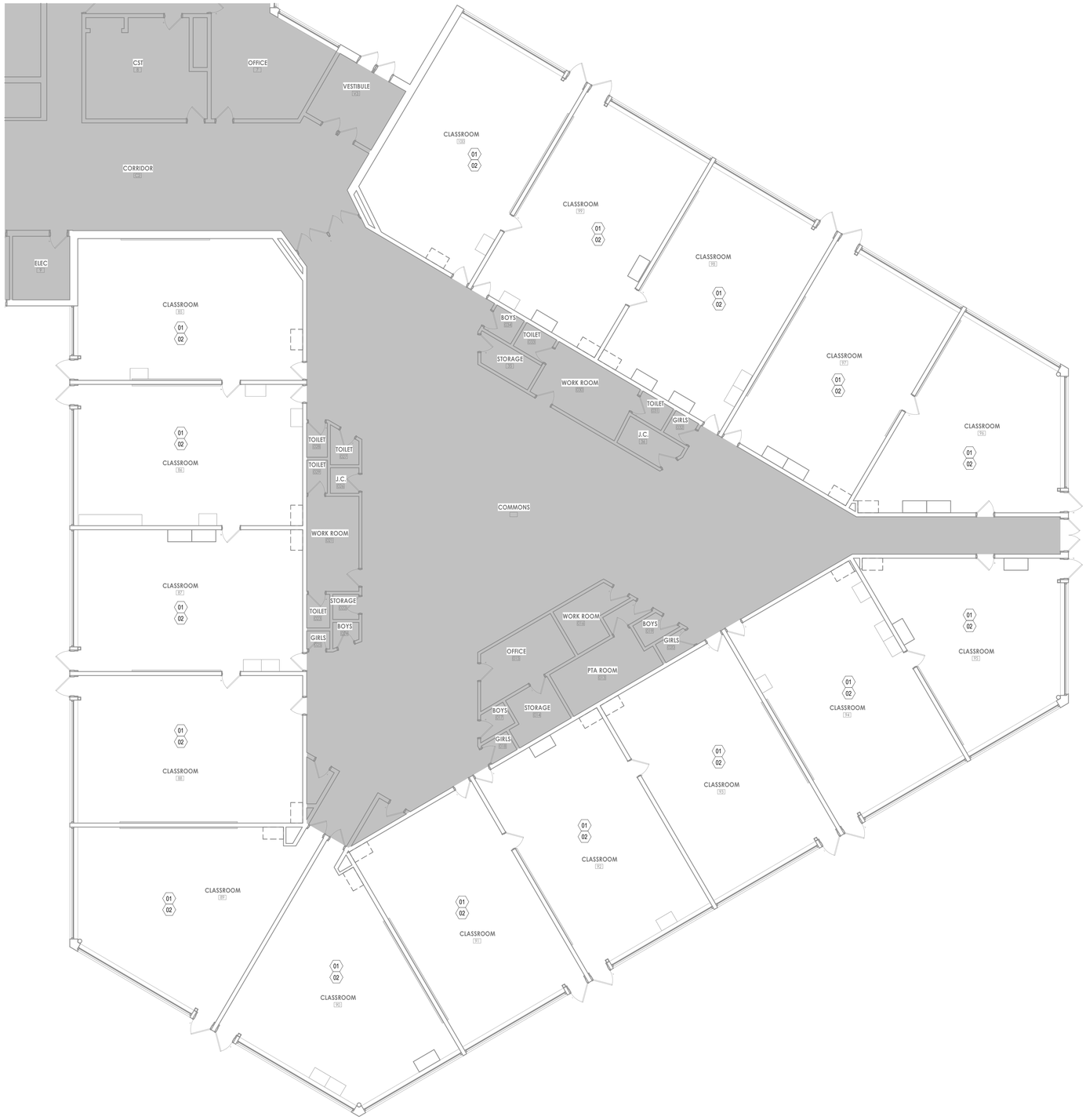
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1 ED1.3 DEMOLITION POWER PLAN - AREA A SOUTH

1/8" = 1'-0"

GENERAL NOTES - DEMO

A. REMOVE DEVICES WITH 'RV' SUBSCRIPT. RELOCATE DEVICES WITH 'RL' SUBSCRIPT. EXISTING DEVICES WITH 'EX' SUBSCRIPT SHALL REMAIN.

B. REMOVE ALL ELECTRICAL DEVICES LOCATED ON WALLS TO BE DEMOLISHED AND AS REQUIRED BY ARCHITECTURAL WORK, INCLUDING RECEPTACLES AND TELEPHONE/DATA OUTLETS, SURFACE RACEWAY, JUNCTION BOXES, AND ALL ASSOCIATED CONDUIT AND WIRING, UNLESS OTHERWISE NOTED. DEVICES SHOWN ARE MEANT TO AID THE CONTRACTOR AND ARE NOT INTENDED TO SHOW EVERY DEVICE TO BE REMOVED.

C. FOR ITEMS TO BE REMOVED, REMOVE THE ENTIRE ELECTRICAL INSTALLATION, INCLUDING ALL ASSOCIATED CONDUIT, JUNCTION BOXES, WIRING AND FITTINGS, INCLUDING TELECOMMUNICATIONS CABLING AND SUPPORTS, SURFACE RACEWAY, ETC, UNLESS NOTED OTHERWISE. REMOVE WIRING BACK TO THE NEAREST POINT OF USAGE (SOURCE OF VOLTAGE).

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F. PROVIDE CUTTING AND PATCHING AS REQUIRED. VERIFY EXTENT OF NEW AND EXISTING PARTITIONS WITH ARCHITECTURAL DRAWINGS.

G. REMOVE ALL EXISTING CEILING MOUNTED SPEAKERS AND ASSOCIATED CABLING DURING CONSTRUCTION AS REQUIRED FOR DEMOLISHED CEILINGS. PROTECT EXISTING SPEAKERS TO REMAIN. REINSTALL EXISTING SPEAKERS IN NEW CEILINGS AND RELOCATE AS REQUIRED FOR NEW LIGHTING FIXTURE LOCATIONS. COORDINATE WITH OWNER AND ARCHITECT. MAINTAIN EXISTING SYSTEM'S OPERATIONAL INTEGRITY. DEVICES SHOWN ARE MEANT TO AID THE CONTRACTOR AND ARE NOT INTENDED TO SHOW EVERY DEVICE.

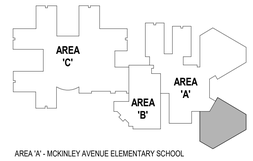
H. PROTECT ALL EXISTING CEILING MOUNTED SECURITY CAMERAS DURING CONSTRUCTION. COORDINATE RELOCATION OF CAMERAS IN NEW CEILINGS WITH OWNER. DEVICES SHOWN ARE MEANT TO AID THE CONTRACTOR AND ARE NOT INTENDED TO SHOW EVERY DEVICE.

I. REMOVE ALL EXISTING WI-FI CEILING DEVICES AND PROTECT DURING CONSTRUCTION. REINSTALL DEVICES IN NEW CEILING. COORDINATE ASSOCIATED WORK WITH OWNER AND ARCHITECT. MAINTAIN EXISTING SYSTEM'S COVERAGE AND OPERATIONAL INTEGRITY. DEVICES SHOWN ARE MEANT TO AID THE CONTRACTOR AND ARE NOT INTENDED TO SHOW EVERY DEVICE.

(##) KEYED NOTES

01 REMOVE AND REINSTALL ALL FIRE ALARM DEVICES WITHIN CEILING SPACE. DEVICES TO BE REINSTALLED WITHIN NEW CEILING. VERIFY EXTENT OF WORK PRIOR TO ANY DEMOLITION.

02 ALL POWER AND DATA DEVICES WITHIN CLASSROOMS TO REMAIN.



AREA 'A' - MCKINLEY AVENUE ELEMENTARY SCHOOL

AREA 'B' - STAFFORD TOWNSHIP ART CENTER

AREA 'C' - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

CODE REVIEW:

CERTIFICATE:

spiezle

SPIEZLE ARCHITECTURAL GROUP INC.
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PHONE: 866-974-7666

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SPIEZLE ARCHITECTURAL GROUP, INC.	21AC00063000

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BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

DEMOLITION POWER PLAN - AREA A SOUTH

COMMISSION NUMBER:

24K067

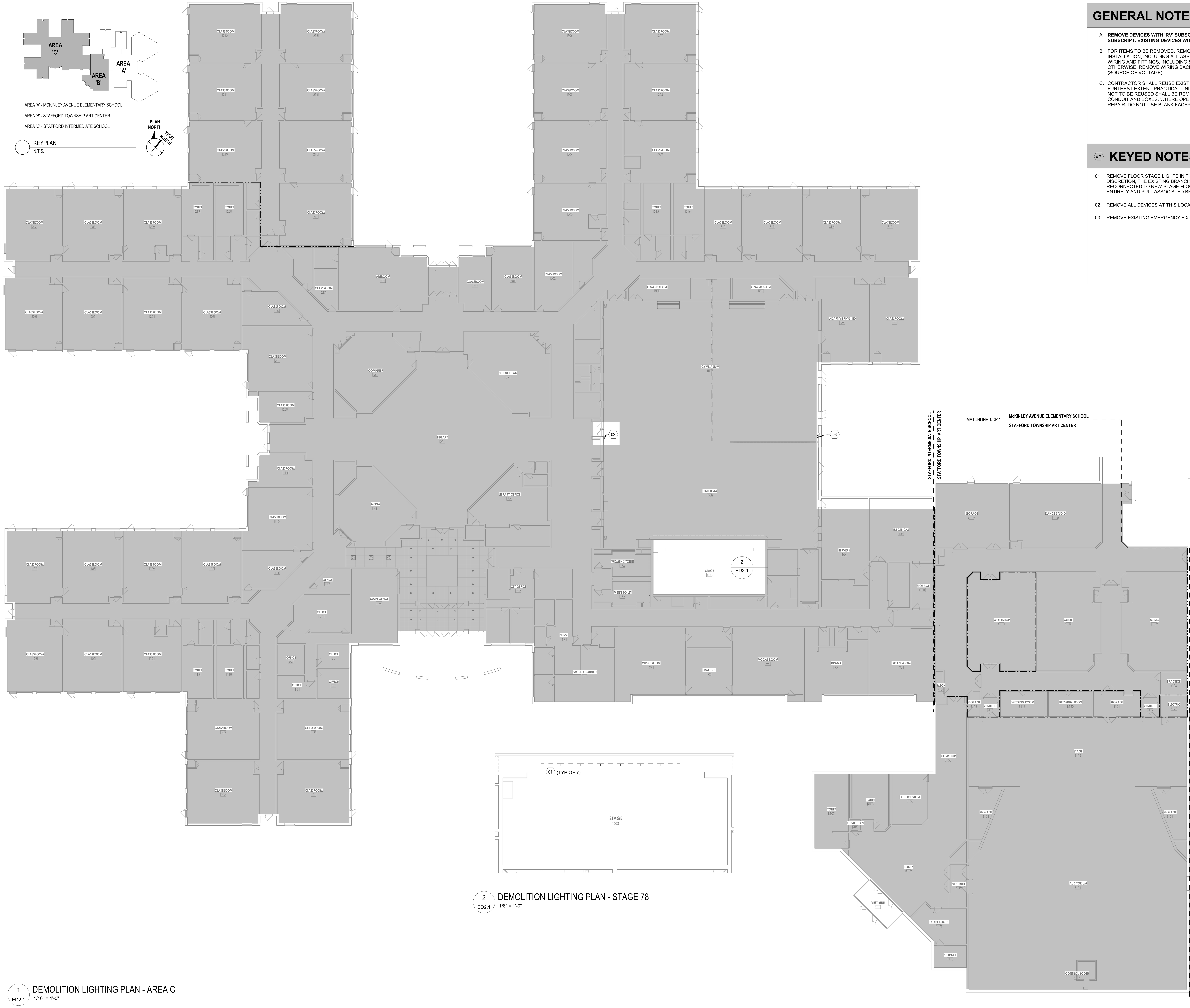
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2 ED2.1 DEMOLITION LIGHTING PLAN - STAGE 78
1/8" = 1'-0"

1 ED2.1 DEMOLITION LIGHTING PLAN - AREA C
1/16" = 1'-0"

GENERAL NOTES - DEMO

A. **REMOVE DEVICES WITH 'RV' SUBSCRIPT. RELOCATE DEVICES WITH 'RL' SUBSCRIPT. EXISTING DEVICES WITH 'EX' SUBSCRIPT SHALL REMAIN.**

B. FOR ITEMS TO BE REMOVED, REMOVE THE ENTIRE ELECTRICAL INSTALLATION, INCLUDING ALL ASSOCIATED CONDUIT, JUNCTION BOXES, WIRING AND FITTINGS, INCLUDING SUPPORTS, ETC. UNLESS NOTED OTHERWISE. REMOVE WIRING BACK TO THE NEAREST POINT OF USAGE (SOURCE OF VOLTAGE).

C. CONTRACTOR SHALL REUSE EXISTING CONDUIT, BOXES, AND WIRING TO FURTHEST EXTENT PRACTICAL UNDER NEW WORK SCOPE. ALL CONDUIT NOT TO BE REUSED SHALL BE REMOVED. DO NOT LEAVE ABANDONED CONDUIT AND BOXES. WHERE OPENINGS ARE NOT REUSED, PATCH AND REPAIR. DO NOT USE BLANK FACEPLATES.

KEYED NOTES

01 REMOVE FLOOR STAGE LIGHTS IN THEIR ENTIRETY. AT THE OWNER'S DISCRETION, THE EXISTING BRANCH CIRCUIT AND CONTROLS SHALL BE RECONNECTED TO NEW STAGE FLOOR LIGHTS. OTHERWISE, REMOVE ENTIRELY AND PULL ASSOCIATED BRANCH CIRCUIT WIRING BACK TO SOURCE.

02 REMOVE ALL DEVICES AT THIS LOCATION AND TURN OVER TO OWNER.

03 REMOVE EXISTING EMERGENCY FIXTURE AND TURN OVER TO OWNER.

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PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

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MANAHAWKIN, NJ 08050

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DEMOLITION LIGHTING PLAN - AREA C

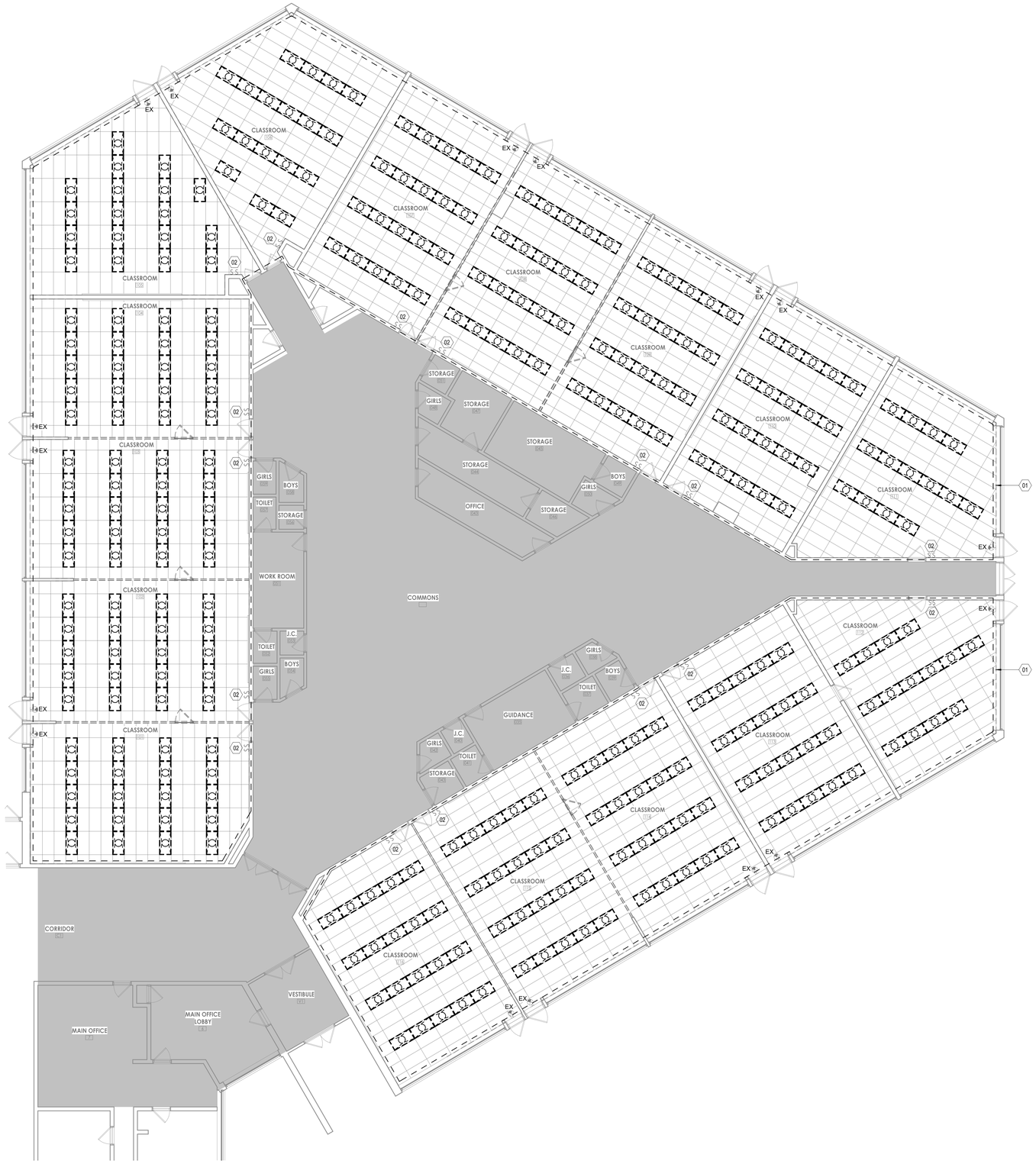
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1 ED2.2 DEMOLITION LIGHTING PLAN - AREA A NORTH
1/8" = 1'-0"

GENERAL NOTES - DEMO

A. **REMOVE DEVICES WITH 'RV' SUBSCRIPT. RELOCATE DEVICES WITH 'RL' SUBSCRIPT. EXISTING DEVICES WITH 'EX' SUBSCRIPT SHALL REMAIN.**

B. **REMOVE ALL LIGHTING FIXTURES AND ASSOCIATED CONTROLS SHOWN ON THIS SHEET IN AREA OF WORK**, UNLESS NOTED OTHERWISE. FIXTURES AND DEVICES SHOWN ON THIS PLAN ARE INTENDED TO AID THE CONTRACTOR AND MAY NOT SHOW ALL ITEMS TO BE REMOVED.

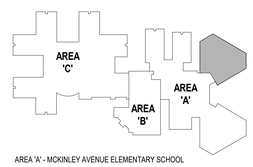
C. FOR ITEMS TO BE REMOVED, REMOVE THE ENTIRE ELECTRICAL INSTALLATION, INCLUDING ALL ASSOCIATED CONDUIT, JUNCTION BOXES, WIRING AND FITTINGS, INCLUDING SUPPORTS, ETC. UNLESS NOTED OTHERWISE. REMOVE WIRING BACK TO THE NEAREST POINT OF USAGE (SOURCE OF VOLTAGE).

D. CONTRACTOR SHALL REUSE EXISTING CONDUIT, BOXES, AND WIRING TO FURTHEST EXTENT PRACTICAL UNDER NEW WORK SCOPE. ALL CONDUIT NOT TO BE REUSED SHALL BE REMOVED. DO NOT LEAVE ABANDONED CONDUIT AND BOXES. WHERE OPENINGS ARE NOT REUSED, PATCH AND REPAIR. DO NOT USE BLANK FACEPLATES.

KEYED NOTES

01 REMOVE ALL LIGHT FIXTURES WITHIN DASHED AREA. REUSE EXISTING BRANCH CIRCUIT(S) TO FEED NEW LIGHTING LAYOUT. VERIFY EXTENT OF DEMOLITION PRIOR TO ANY DEMOLITION WORK.

02 REMOVE EXISTING (2) MANUAL TOGGLE SWITCHES. REUSE EXISTING DOUBLE GANG BOX FOR (2) NEW SWITCHES. MAINTAIN DUAL ZONE CONTROL FROM EXISTING LAYOUT.



AREA 'A' - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA 'B' - STAFFORD TOWNSHIP ART CENTER
AREA 'C' - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH / TRUE NORTH

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PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
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McKINLEY AVENUE ELEMENTARY SCHOOL
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STAFFORD TOWNSHIP BOARD OF EDUCATION

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MANAHAWKIN, NJ 08050

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DEMOLITION LIGHTING PLAN - AREA A NORTH

COMMISSION NUMBER:

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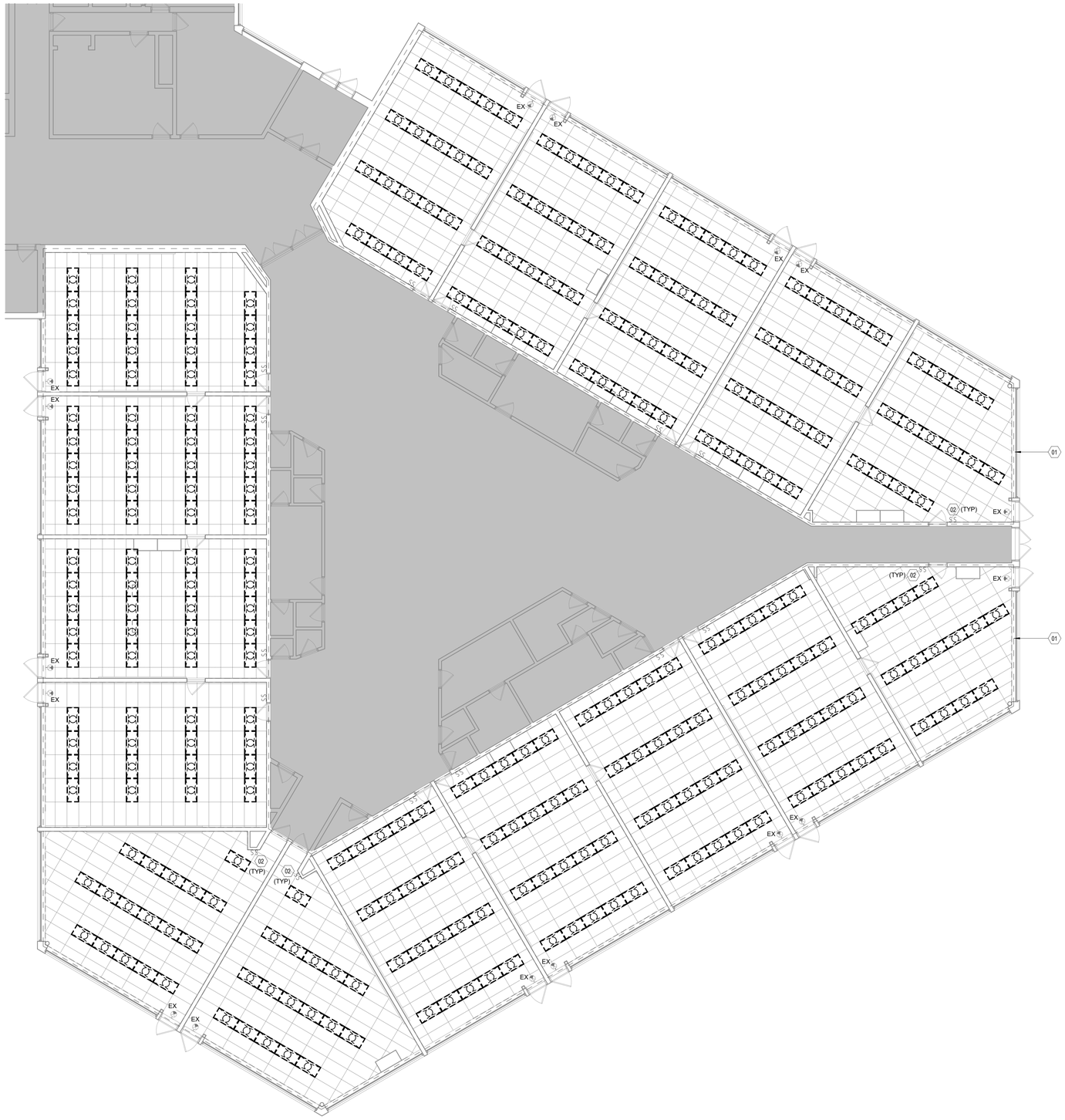
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1 ED2.3 DEMOLITION LIGHTING PLAN - AREA A SOUTH
1/8" = 1'-0"

GENERAL NOTES - DEMO

A. **REMOVE DEVICES WITH 'RV' SUBSCRIPT. RELOCATE DEVICES WITH 'RL' SUBSCRIPT. EXISTING DEVICES WITH 'EX' SUBSCRIPT SHALL REMAIN.**

B. **REMOVE ALL LIGHTING FIXTURES AND ASSOCIATED CONTROLS SHOWN ON THIS SHEET IN AREA OF WORK**, UNLESS NOTED OTHERWISE. FIXTURES AND DEVICES SHOWN ON THIS PLAN ARE INTENDED TO AID THE CONTRACTOR AND MAY NOT SHOW ALL ITEMS TO BE REMOVED.

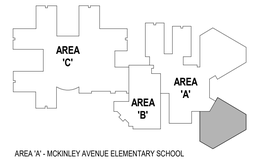
C. FOR ITEMS TO BE REMOVED, REMOVE THE ENTIRE ELECTRICAL INSTALLATION, INCLUDING ALL ASSOCIATED CONDUIT, JUNCTION BOXES, WIRING AND FITTINGS, INCLUDING SUPPORTS, ETC. UNLESS NOTED OTHERWISE. REMOVE WIRING BACK TO THE NEAREST POINT OF USAGE (SOURCE OF VOLTAGE).

D. CONTRACTOR SHALL REUSE EXISTING CONDUIT, BOXES, AND WIRING TO FURTHEST EXTENT PRACTICAL UNDER NEW WORK SCOPE. ALL CONDUIT NOT TO BE REUSED SHALL BE REMOVED. DO NOT LEAVE ABANDONED CONDUIT AND BOXES. WHERE OPENINGS ARE NOT REUSED, PATCH AND REPAIR. DO NOT USE BLANK FACEPLATES.

(##) KEYED NOTES

01 REMOVE ALL LIGHT FIXTURES WITHIN DASHED AREA. REUSE EXISTING BRANCH CIRCUIT(S) TO FEED NEW LIGHTING LAYOUT. VERIFY EXTENT OF DEMOLITION PRIOR TO ANY DEMOLITION WORK.

02 REMOVE EXISTING (2) MANUAL TOGGLE SWITCHES. REUSE EXISTING DOUBLE GANG BOX FOR (2) NEW SWITCHES. MAINTAIN DUAL ZONE CONTROL FROM EXISTING LAYOUT.



AREA 'A' - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA 'B' - STAFFORD TOWNSHIP ART CENTER
AREA 'C' - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH / TRUE NORTH

CODE REVIEW:

CERTIFICATE:

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PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

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DRAWING TITLE:

DEMOLITION LIGHTING PLAN - AREA A SOUTH

COMMISSION NUMBER:

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KEYNOTES

01 REUSE EXISTING BRANCH CIRCUIT FROM DEMOLISHED FLOOR RECEPTACLE TO FEED NEW WITHIN NEW FLOORING. VERIFY EXTENT OF WORK PRIOR TO ROUGH-IN AND CONFIRM EXACT LOCATION WITH ARCHITECT.

02 NEW DEDICATED CIRCUIT FOR MOTORIZED PARTITION. PROVIDE CONTROLLERS ON EITHER SIDE OF PARTITION AS SHOWN FOR EASE OF USE. VERIFY EXACT REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.

GENERAL NOTES - POWER

A. ALL EXISTING CONDITIONS NOTED ON THESE PLANS ARE TAKEN FROM SITE OBSERVATIONS AND AVAILABLE AS-BUILT / RECORD DRAWINGS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD AND NOTIFY DESIGN TEAM OF DISCREPANCIES.

B. MAINTAIN CIRCUITRY OF ALL EXISTING OUTLETS TO REMAIN, UNLESS INDICATED OTHERWISE. PROVIDE ALL NECESSARY SUPPLEMENTAL WIRING AND CONDUIT AS REQUIRED.

C. WHERE EXISTING CIRCUITRY IS REUSED, CONTRACTOR SHALL VERIFY LOAD DOES NOT EXCEED 1,920 VA @ 120V (OR 4,432 VA @ 277V).

D. CONTRACTOR SHALL REUSE EXISTING BACKBOXES, CONDUIT AND WIRING TO FURTHEST EXTENT PRACTICAL. SUPPLEMENT WHERE NEEDED.

E. ALL NEW RECEPTACLES AND TELEPHONE/DATA OUTLETS SHALL BE FLUSH-MOUNTED. ALL NEW CONDUIT AND RACEWAY SHALL BE CONCEALED. PROVIDE CUTTING AND PATCHING AS REQUIRED. VERIFY EXTENT OF NEW AND EXISTING PARTITIONS WITH ARCHITECTURAL DRAWINGS.

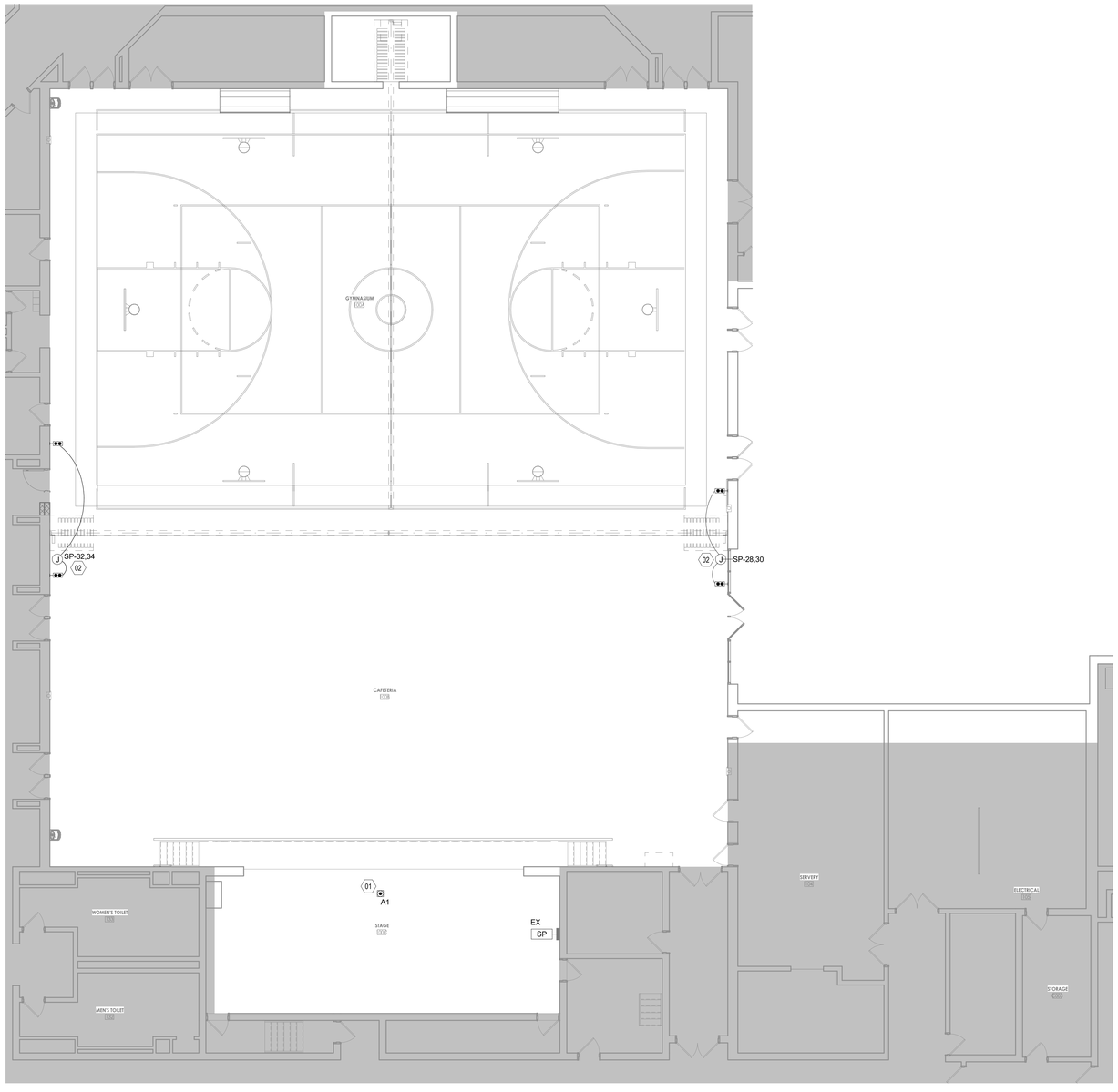
F. ALL TELE/DATA CABLES TO BE IN CONDUIT OR CABLE TRAY SYSTEM. ALL COPPER DATA LINES SHALL BE TERMINATED ON ONE END IN A RJ-45 TYPE RECEPTACLES AS SHOWN ON DRAWINGS AND THE OTHER END SHALL BE IN A RACK-MOUNTED PATCH PANEL LOCATED IN THE NEAREST TELECOM ROOM. DATA CABLING SHALL BE CAT6 TYPE AND ADHERE TO EXISTING BUILDING STANDARDS. IN NO CASE SHALL ANY DATA CABLE LENGTH FROM PATCH PANEL TO RJ45 RECEPTACLE EXCEED 295 FEET.

G. CONTRACTOR TO VERIFY ALL TELE/DATA LOCATIONS WITH OWNER, PRIOR TO ROUGH-IN.

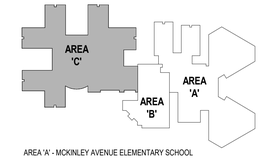
H. ALL 15- AND 20- AMPERE, 125- AND 250-VOLT NONLOCKING-TYPE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES. COMPLY WITH NEC 406.12.

I. ALL SINGLE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND ALL THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS LOCATED IN KITCHEN, SERVERY AREAS, AND AREAS WITH A SINK AND PERMANENT PROVISIONS FOR EITHER FOOD PREPARATION OR COOKING SHALL BE GFCI PROTECTED. WHERE RECEPTACLES ARE NOT ACCESSIBLE, PROVIDE PROTECTION THROUGH GFCI TYPE CIRCUIT BREAKER IN PANEL.

J. THESE DRAWINGS MAY NOT SHOW EVERY BOX, CONDUIT, DEVICE NEEDED FOR A COMPLETE, FUNCTION POWER SYSTEM. CONTRACTOR SHALL PROVIDE ALL REQUIRED COMPONENTS NEEDED AS REQUIRED FOR MEANS & METHODS AND AS PER MANUFACTURER'S RECOMMENDATIONS.



1 E1.1 POWER PLAN - AREA C
1/8" = 1'-0"



AREA 'A' - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA 'B' - STAFFORD TOWNSHIP ART CENTER
AREA 'C' - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

CODE REVIEW:

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BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

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1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

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POWER PLAN - AREA C

COMMISSION NUMBER:

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1 E1.2 POWER PLAN - AREA A NORTH
1/8" = 1'-0"

GENERAL NOTES - POWER

A. ALL EXISTING CONDITIONS NOTED ON THESE PLANS ARE TAKEN FROM SITE OBSERVATIONS AND AVAILABLE AS-BUILT / RECORD DRAWINGS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD AND NOTIFY DESIGN TEAM OF DISCREPANCIES.

B. MAINTAIN CIRCUITRY OF ALL EXISTING OUTLETS TO REMAIN, UNLESS INDICATED OTHERWISE. PROVIDE ALL NECESSARY SUPPLEMENTAL WIRING AND CONDUIT AS REQUIRED.

C. WHERE EXISTING CIRCUITRY IS REUSED, CONTRACTOR SHALL VERIFY LOAD DOES NOT EXCEED 1,920 VA @ 120V (OR 4,432 VA @ 277V).

D. CONTRACTOR SHALL REUSE EXISTING BACKBOXES, CONDUIT AND WIRING TO FURTHEST EXTENT PRACTICAL. SUPPLEMENT WHERE NEEDED.

E. ALL NEW RECEPTACLES AND TELEPHONE/DATA OUTLETS SHALL BE FLUSH-MOUNTED. ALL NEW CONDUIT AND RACEWAY SHALL BE CONCEALED. PROVIDE CUTTING AND PATCHING AS REQUIRED. VERIFY EXTENT OF NEW AND EXISTING PARTITIONS WITH ARCHITECTURAL DRAWINGS.

F. ALL TELE/DATA CABLES TO BE IN CONDUIT OR CABLE TRAY SYSTEM. ALL COPPER DATA LINES SHALL BE TERMINATED ON ONE END IN A RJ-45 TYPE RECEPTACLES AS SHOWN ON DRAWINGS AND THE OTHER END SHALL BE IN A RACK-MOUNTED PATCH PANEL LOCATED IN THE NEAREST TELECOM ROOM. DATA CABLING SHALL BE CAT6 TYPE AND ADHERE TO EXISTING BUILDING STANDARDS. IN NO CASE SHALL ANY DATA CABLE LENGTH FROM PATCH PANEL TO RJ45 RECEPTACLE EXCEED 295 FEET.

G. CONTRACTOR TO VERIFY ALL TELE/DATA LOCATIONS WITH OWNER, PRIOR TO ROUGH-IN.

H. **ALL 15- AND 20- AMPERE, 125- AND 250-VOLT NONLOCKING-TYPE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES, COMPLY WITH NEC 406.12.**

I. ALL SINGLE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND ALL THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS LOCATED IN KITCHEN, SERVERY AREAS, AND AREAS WITH A SINK AND PERMANENT PROVISIONS FOR EITHER FOOD PREPARATION OR COOKING SHALL BE GFCI PROTECTED. WHERE RECEPTACLES ARE NOT ACCESSIBLE, PROVIDE PROTECTION THROUGH GFCI TYPE CIRCUIT BREAKER IN PANEL.

J. PROVIDE PUTTY PADS FOR ALL OUTLETS. DO NOT LOCATE OUTLETS IN SAME WALL CAVITY WHERE EVER POSSIBLE.

K. FOR ALL CONFERENCE ROOMS WITH WALL MOUNTED TV MONITORS: DO NOT SCALE PLANS, LOCATE OUTLETS CENTERED AND SYMMETRICALLY ALONG WALLS.

L. THESE DRAWINGS MAY NOT SHOW EVERY BOX, CONDUIT, DEVICE NEEDED FOR A COMPLETE, FUNCTION POWER SYSTEM. CONTRACTOR SHALL PROVIDE ALL REQUIRED COMPONENTS NEEDED AS REQUIRED FOR MEANS & METHODS AND AS PER MANUFACTURER'S RECOMMENDATIONS.

M. COORDINATE CORE-DRILLING AND SAW-CUTTING OF SLABS WITH LANDLORD, ARCHITECT, AND STRUCTURAL ENGINEER (WHERE PRACTICAL) PRIOR TO STARTING WORK.

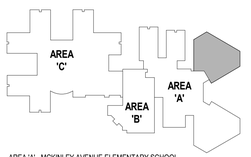
KEYED NOTES

01 PROVIDE NEW DEDICATED CIRCUIT FOR RECEPTACLES ALONG NEW PERMANENT WALL. INCLUDE RECEPTACLES ON BOTH SIDES. COORDINATE LOCATION WITH NEW CASEWORK PRIOR TO ROUGH-IN TO ENSURE ACCESSIBILITY.

02 EXISTING RECEPTACLE TO BE REPLACED WITH GFCI TYPE DEVICE.

03 EXISTING DEVICE(S) TO BE REMOVED. CAP AND SECURE UNUSED CONDUCTORS AND MODIFY CIRCUIRTY IF THERE ARE OUTLETS DOWNSTREAM THAT ARE TO BE MAINTAINED. INSTALL A BLANK COVER PLATE AT THE EXISTING OUTLET LOCATION.

04 EXISTING DATA DEVICE TO BE REMOVED. REMOVE ASSOCIATED WIRING BACK TO SOURCE AND PROVIDE BLANK COVERPLATE.



AREA 'A' - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA 'B' - STAFFORD TOWNSHIP ART CENTER
AREA 'C' - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH
TRUE NORTH

CODE REVIEW:

CERTIFICATE:

spiezle

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BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

#	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

POWER PLAN - AREA A NORTH

COMMISSION NUMBER:

24K067

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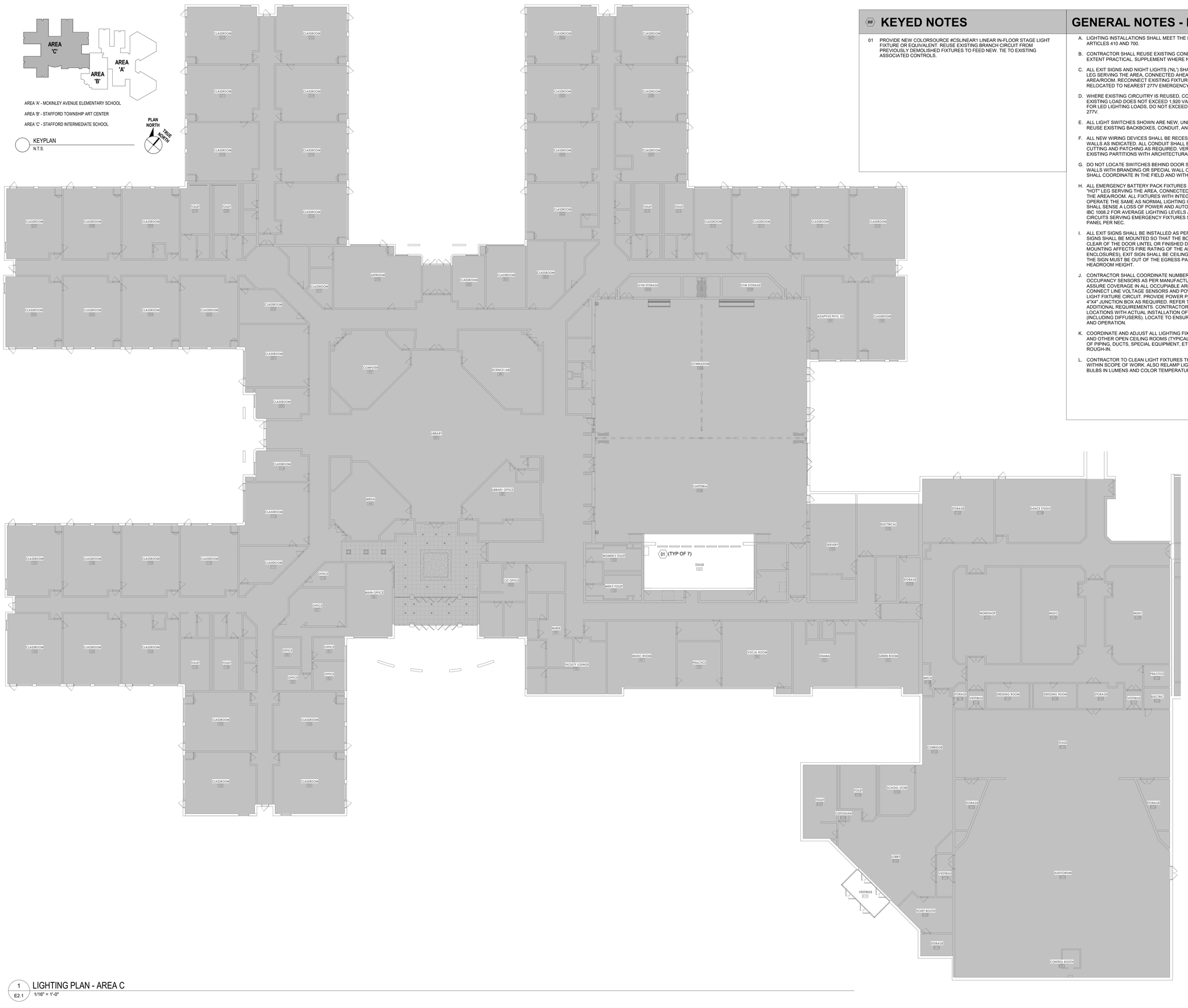
E1.2

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1 LIGHTING PLAN - AREA C
E2.1 1/16" = 1'-0"

KEYED NOTES

01 PROVIDE NEW COLORSOURCE #CSLINEAR1 LINEAR IN-FLOOR STAGE LIGHT FIXTURE OR EQUIVALENT. REUSE EXISTING BRANCH CIRCUIT FROM PREVIOUSLY DEMOLISHED FIXTURES TO FEED NEW. TIE TO EXISTING ASSOCIATED CONTROLS.

GENERAL NOTES - LIGHTING

A. LIGHTING INSTALLATIONS SHALL MEET THE REQUIREMENTS OF NEC ARTICLES 410 AND 700.

B. CONTRACTOR SHALL REUSE EXISTING CONDUIT AND WIRING TO FURTHEST EXTENT PRACTICAL. SUPPLEMENT WHERE NEEDED.

C. ALL EXIT SIGNS AND NIGHT LIGHTS ('NL') SHALL BE ON UNSWITCHED "HOT" LEG SERVING THE AREA, CONNECTED AHEAD OF SWITCH SERVING AREA/ROOM. RECONNECT EXISTING FIXTURES TO REMAIN OR TO BE RELOCATED TO NEAREST 277V EMERGENCY CIRCUIT IN SAME ROOM.

D. WHERE EXISTING CIRCUITRY IS REUSED, CONTRACTOR SHALL VERIFY EXISTING LOAD DOES NOT EXCEED 1,920 VA @ 120V (OR 4,432 VA @277V). FOR LED LIGHTING LOADS, DO NOT EXCEED 1,440 VA @ 120V OR 3,324 VA @ 277V.

E. ALL LIGHT SWITCHES SHOWN ARE NEW, UNLESS NOTED OTHERWISE. REUSE EXISTING BACKBOXES, CONDUIT, AND WIRING WHERE PRACTICAL.

F. ALL NEW WIRING DEVICES SHALL BE RECESSED IN NEW OR EXISTING WALLS AS INDICATED. ALL CONDUIT SHALL BE CONCEALED. PROVIDE CUTTING AND PATCHING AS REQUIRED. VERIFY EXTENT OF NEW AND EXISTING PARTITIONS WITH ARCHITECTURAL DRAWINGS.

G. DO NOT LOCATE SWITCHES BEHIND DOOR SWINGS, TV SCREENS, OR ANY WALLS WITH BRANDING OR SPECIAL WALL COVERINGS. CONTRACTOR SHALL COORDINATE IN THE FIELD AND WITH ARCHITECTURAL DRAWINGS.

H. ALL EMERGENCY BATTERY PACK FIXTURES SHALL BE ON UNSWITCHED "HOT" LEG SERVING THE AREA, CONNECTED AHEAD OF SWITCH SERVING THE AREA/ROOM. ALL FIXTURES WITH INTEGRAL BATTERY PACKS SHALL OPERATE THE SAME AS NORMAL LIGHTING IN AREA. EMERGENCY UNITS SHALL SENSE A LOSS OF POWER AND AUTOMATICALLY TURN ON TO MEET IBC 1008.2 FOR AVERAGE LIGHTING LEVELS ALONG PATH OF EGRESS. ALL CIRCUITS SERVING EMERGENCY FIXTURES SHALL BE IDENTIFIED AT THE PANEL PER NEC.

I. ALL EXIT SIGNS SHALL BE INSTALLED AS PER NFPA. WALL MOUNTED EXIT SIGNS SHALL BE MOUNTED SO THAT THE BOTTOM EDGE OF THE SIGN IS 2" CLEAR OF THE DOOR LINTEL OR FINISHED DOOR TRIM. WHERE WALL MOUNTING AFFECTS FIRE RATING OF THE AREA (SUCH AS STAIR ENCLOSURES), EXIT SIGN SHALL BE CEILING MOUNTED. THE BOTTOM OF THE SIGN MUST BE OUT OF THE EGRESS PATH OR ABOVE THE MINIMUM HEADROOM HEIGHT.

J. CONTRACTOR SHALL COORDINATE NUMBER AND LOCATION OF OCCUPANCY SENSORS AS PER MANUFACTURER RECOMMENDATIONS TO ASSURE COVERAGE IN ALL OCCUPIABLE AREAS OF ROOMS COVERED. CONNECT LINE VOLTAGE SENSORS AND POWER PACKS TO ADJACENT LIGHT FIXTURE CIRCUIT. PROVIDE POWER PACKS AS REQUIRED. PROVIDE 4"X4" JUNCTION BOX AS REQUIRED. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. CONTRACTOR SHALL COORDINATE FINAL LOCATIONS WITH ACTUAL INSTALLATION OF OTHER CEILING DEVICES (INCLUDING DIFFUSERS). LOCATE TO ENSURE ADEQUATE FUNCTIONALITY AND OPERATION.

K. COORDINATE AND ADJUST ALL LIGHTING FIXTURES IN MECHANICAL ROOMS AND OTHER OPEN CEILING ROOMS (TYPICAL), WITH ACTUAL INSTALLATION OF PIPING, DUCTS, SPECIAL EQUIPMENT, ETC. COORDINATE PRIOR TO ROUGH-IN.

L. CONTRACTOR TO CLEAN LIGHT FIXTURES THAT ARE EXISTING TO REMAIN WITHIN SCOPE OF WORK. ALSO RELAMP LIGHT FIXTURES - MATCH EXISTING BULBS IN LUMENS AND COLOR TEMPERATURE.

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BID SET 10/15/2026

PROJECT:

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250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

LIGHTING PLAN - AREA C

COMMISSION NUMBER:

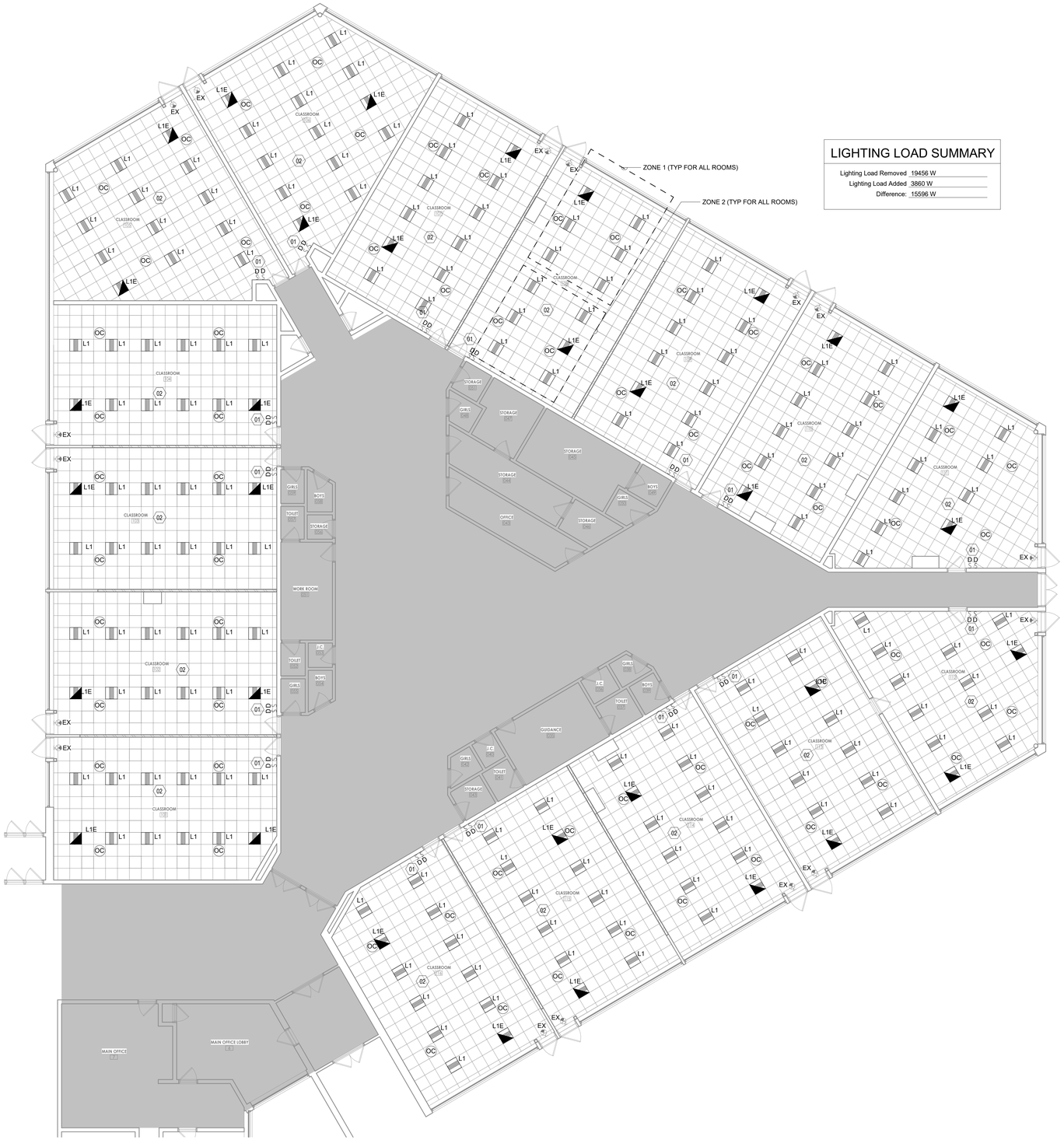
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LIGHTING LOAD SUMMARY

Lighting Load Removed	19456 W
Lighting Load Added	3860 W
Difference:	15596 W

GENERAL NOTES - LIGHTING

A. LIGHTING INSTALLATIONS SHALL MEET THE REQUIREMENTS OF NEC ARTICLES 410 AND 700.

B. COORDINATE ALL CONSTRUCTION WITH OTHER TRADES. COORDINATE AND ADJUST LIGHTING FIXTURES IN OPEN CEILING ROOMS AND ABOVE CEILINGS WITH ACTUAL INSTALLATION OF PIPING, DUCTWORK, SPECIAL EQUIPMENT, STRUCTURAL COMPONENTS, ETC. COORDINATE PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS IN CEILINGS. DO NOT DIMENSION OFF THESE PLANS.

C. ALL EMERGENCY BATTERY PACK FIXTURES SHALL BE ON UNSWITCHED "HOT" LEG SERVING THE AREA, CONNECTED AHEAD OF SWITCH SERVING THE AREA/ROOM. ALL FIXTURES WITH INTEGRAL BATTERY PACKS SHALL OPERATE THE SAME AS NORMAL LIGHTING IN AREA. EMERGENCY UNITS SHALL SENSE A LOSS OF POWER AND AUTOMATICALLY TURN ON TO MEET IBC 1008.2 FOR AVERAGE LIGHTING LEVELS ALONG PATH OF EGRESS. ALL CIRCUITS SERVING EMERGENCY FIXTURES SHALL BE IDENTIFIED AT THE PANEL PER NEC.

D. CONTRACTOR SHALL COORDINATE NUMBER AND LOCATION OF OCCUPANCY/VACANCY SENSORS AS PER MANUFACTURER RECOMMENDATIONS TO ASSURE COVERAGE IN ALL OCCUPIABLE AREAS OF ROOMS COVERED. CONTRACTOR SHALL COORDINATE FINAL LOCATIONS WITH ACTUAL INSTALLATION OF OTHER CEILING DEVICES (INCLUDING DIFFUSERS). LOCATE TO ENSURE ADEQUATE FUNCTIONALITY AND OPERATION.

KEYED NOTES

01 UTILIZE EXISTING DUAL-GANG JUNCTION BOX FOR REMOVED MANUAL SWITCHES FOR (2) LOW-VOLTAGE DIMMER SWITCHES. (1) SWITCH TO CONTROL (1) ZONE OF FIXTURES WITHIN CLASSROOM.

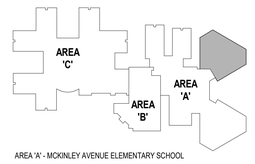
02 NEW LIGHT FIXTURES IN CLASSROOM SPACE TO REUSE EXISTING BRANCH CIRCUIT FROM PREVIOUSLY DEMOLISHED FIXTURES. TIE NEW FIXTURES TO NEW ASSOCIATED CONTROLS AS SHOWN.

LIGHTING CONTROL NOTES

PROVIDE THE FOLLOWING CONTROLS FOR COMPLIANCE WITH LOCAL ENERGY CODES. PROVIDE AS SHOWN ON PLANS.

OCCUPANCY/VACANCY SENSOR(S):
- PROVIDE WALL AND/OR CEILING OCC SENSORS FOR PROPER COVERAGE
- PROVIDE POWER PACKS, AS REQUIRED
- OVERRIDE SWITCHES AS SHOWN ON PLANS – PROVIDE DIMMING CAPABILITY UON

1 E2.2 LIGHTING PLAN - AREA A NORTH
1/8" = 1'-0"



AREA 'A' - MCKINLEY AVENUE ELEMENTARY SCHOOL

AREA 'B' - STAFFORD TOWNSHIP ART CENTER

AREA 'C' - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH / TRUE NORTH

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BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
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STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

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REVISIONS:

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DRAWING TITLE:

LIGHTING PLAN - AREA A NORTH

COMMISSION NUMBER:

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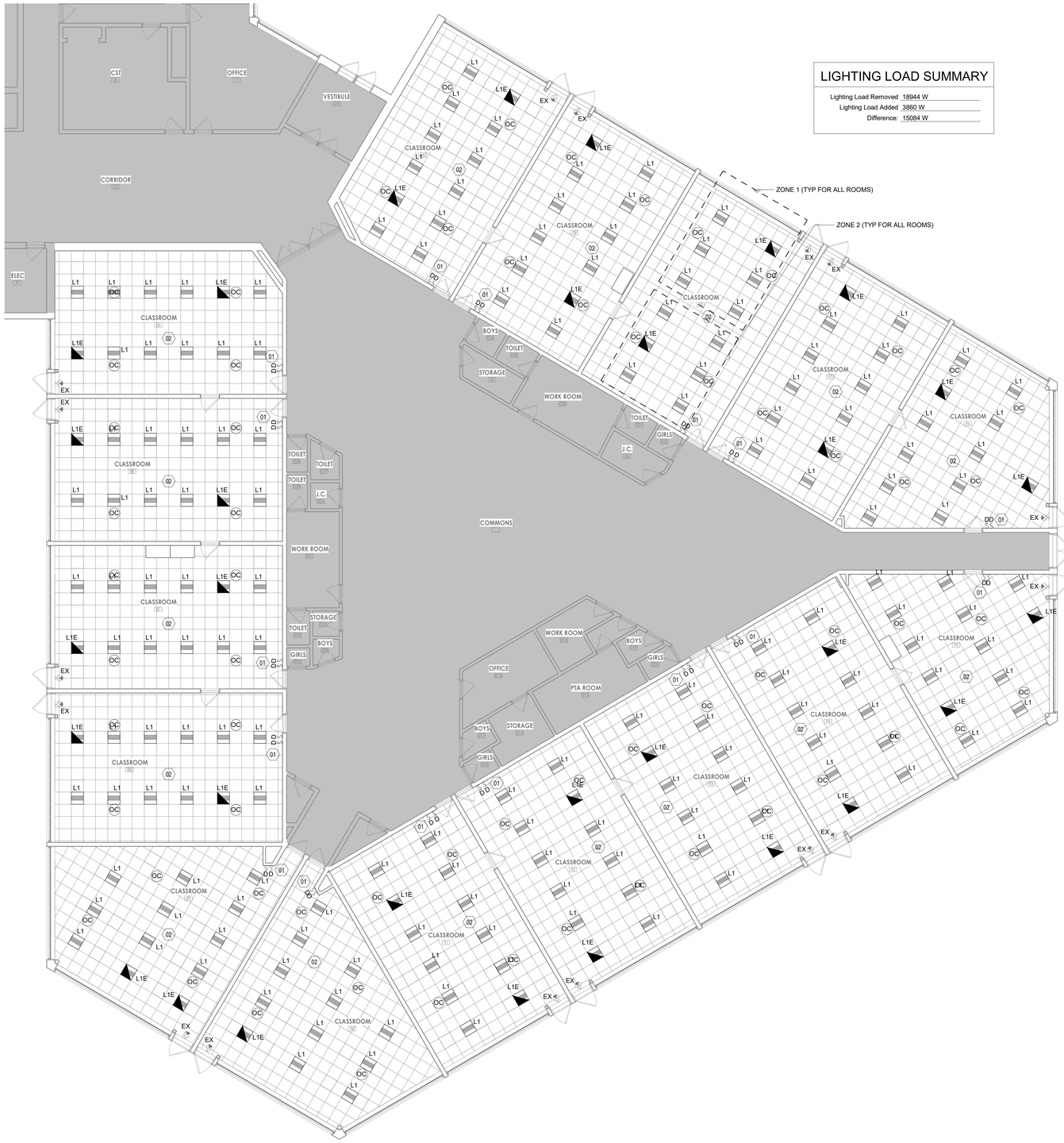
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3"=1'-0" 1 1/2"=1'-0" 1"=1'-0" 3/4"=1'-0" 1/2"=1'-0" 1/4"=1'-0" 1/8"=1'-0" 1/16"=1'-0"

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LIGHTING LOAD SUMMARY

Lighting Load Removed	18944 W
Lighting Load Added	3860 W
Difference:	15084 W

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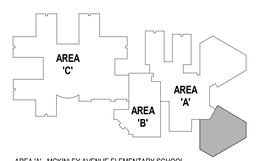
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- PROVIDE POWER PACKS, AS REQUIRED
- OVERRIDE SWITCHES AS SHOWN ON PLANS – PROVIDE DIMMING CAPABILITY UON

1 E2.3 LIGHTING PLAN - AREA A SOUTH
1/8" = 1'-0"



AREA 'A' - MCKINLEY AVENUE ELEMENTARY SCHOOL
AREA 'B' - STAFFORD TOWNSHIP ART CENTER
AREA 'C' - STAFFORD INTERMEDIATE SCHOOL

KEYPLAN
N.T.S.

PLAN NORTH / TRUE NORTH

CODE REVIEW:

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PROJECT:

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McKINLEY AVENUE ELEMENTARY SCHOOL
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STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

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FOR BID: 10/15/2026

DRAWING TITLE:

LIGHTING PLAN - AREA A SOUTH

COMMISSION NUMBER:

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LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	BASIS OF DESIGN - MANUFACTURER	BASIS OF DESIGN - MODEL	ALTERNATE SPEC.	LAMP	DRIVER	VOLTAGE	APPARENT LOAD	MOUNTING	NOTES
L1	2'x2' FLAT PANEL	CURRENT (GE)	CBT22-B-LSCS-EDD	H.E. WILLIAMS - BP SERIES CANDELA LIGHTING - FLT SERIES	LED	0-10V	120 V	27 VA	RECESSED	SET FIXTURE TO 3500 COLOR TEMPERATURE AND 3300 LUMENS
L1E	2'x2' FLAT PANEL W/BATTERY BACKUP (90 MIN)	CURRENT (GE)	CBT22-B-LSCS-EDD-ELL14	H.E. WILLIAMS - BP SERIES CANDELA LIGHTING - FLT SERIES	LED	0-10V	120 V	27 VA	RECESSED	SET FIXTURE TO 3500 COLOR TEMPERATURE AND 3300 LUMENS

LUMINAIRE SCHEDULE

A. SUBSTITUTIONS ARE ALLOWED. SUBMIT ALTERNATES TO A/E DESIGN TEAM FOR REVIEW AND APPROVAL PRIOR TO ORDERING.

B. CONTRACTOR SHALL CONFIRM VOLTAGE REQUIREMENTS OF ALL FIXTURES AND PROVIDE REQUIRED STEP-DOWN TRANSFORMERS TO ACCOMMODATE CIRCUITRY AND CONTROLS REQUIREMENTS.

C. ALL EXTERIOR LIGHT FIXTURES SHALL BE UL DAMP LOCATION LISTED WHERE MOUNTED BELOW OVERHANG OR CANOPY. ALL OTHER EXTERIOR LIGHT FIXTURES SHALL BE WET LOCATION LISTED.

D. FOR EXIT SIGNS, PROVIDE NUMBER OF DIRECTIONAL ARROWS AND NUMBER FACES AS SHOWN ON PLANS.

E. SEE ARCHITECTURAL PLANS FOR ALL MOUNTING HEIGHTS. VERIFY FINAL HEIGHTS IN THE FIELD PRIOR TO CUTTING ANY ADJUSTABLE CORDS AND CABLES AND/OR INSTALLING BOXES IN WALLS.

LIGHTING CONTROL SEQUENCE OF OPERATIONS

SPACE TYPE	OCC SENSOR SETPOINT	NORMAL BUSINESS HOURS	AFTER HOURS OVERRIDE	
		LIGHTING	LIGHTING	DURATION
CLASSROOMS	AUTO ON 15 MIN OFF	TWO ZONES WITH RAISE/LOWER DIMMING (LINE VOLTAGE) - ONE SLIDER SWITCH FOR TEACHING WALL LIGHTS, OTHER SWITCH FOR ALL OTHER LIGHTS IN ROOM. CEILING MOUNTED OCCUPANCY SENSOR(S), 100% ON WHEN ANY SENSOR IS ACTIVATED.	-	-

LIGHTING CONTROL NOTES

A. REFER TO ALL LTG. PLANS, NOTES, CONTROL DETAILS, SEQUENCE OF OPERATIONS, AND SPECIFICATIONS FOR REQUIREMENTS. **CONTRACTOR SHALL RELAY ALL INFORMATION IN THE SPECIFICATIONS AND DRAWINGS TO THOSE PREPARING PRICING FOR THE PROJECT. THIS INCLUDES LIGHTING CONTROL DETAILS, SEQUENCE OF OPERATIONS, LIGHTING LAYOUTS, AND OTHER RELATED DESIGN DOCUMENTATIONS. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF INCLUDING ALL COMPONENTS REQUIRED FOR A FULLY FUNCTIONING CONTROL SYSTEM. ALSO, FAILURE TO DO SO WILL NOT BE CAUSE FOR CHANGE ORDER REQUEST DURING CONSTRUCTION.**

B. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY EQUIPMENT, DEVICES, WIRING, ETC. TO ENSURE ACTUAL INSTALLATIONS AND PERFORMANCE OF THE SYSTEM MEETS THE DESIGN INTENT. IF ALTERNATIVE MANUFACTURE TO BASIS OF DESIGN IS SUBMITTED, CONTRACTOR SHALL PROVIDE ALL NECESSARY COMPONENTS FOR A COMPLETE, FULLY FUNCTIONAL SYSTEM TO MEET DESIGN INTENT. **BASIS OF DESIGN: LUTRON OR WATTSTOPPER DLM**

C. CABLING SHALL BE PRE-TERMINATED, WHITE COLOR, PLENUM-RATED, UTILIZE CABLE TRAY FOR ROUTING OF DIGITAL LIGHTING CONTROL CABLES.

D. PROVIDE NUMBER OF ZONES PER BUILDING SEQUENCE OF OPERATIONS. WHERE SCENE CONTROLS ARE REQUIRED, SCENE SETTINGS SHALL BE CONFIRMED WITH THE OWNER PRIOR TO FINAL PROGRAMMING.

E. POWER PACKS AND ROOM CONTROLLERS SHALL BE MOUNTED ABOVE THE CEILING IN THE ROOM THEY SERVE (OR IN NEAREST ACCESSIBLE CEILING). LOCATE CONSISTENTLY THROUGHOUT THE BUILDING, ABOVE THE DOOR. LOCATIONS SHALL BE APPROVED BY DESIGN TEAM PRIOR TO INSTALL.

F. ALL LIGHT FIXTURES ON EMERGENCY BACK-UP SHALL TURN 'ON' FULL BRIGHTNESS DURING LOSS OF POWER REGARDLESS OF SWITCH POSITION OR LIGHTING CONTROL SYSTEM SETTINGS. PROVIDE UL924 DEVICE AS REQUIRED.

G. PROVIDE OCCUPANCY TYPE (AUTO ON/ AUTO OFF) OR VACANCY TYPE (MANUAL ON/ AUTO OFF) SENSORS AS INDICATED IN THE PROJECT DOCUMENTS. ENSURE THEY ARE SET CONSISTENTLY THROUGHOUT THE BUILDING PRIOR TO OCCUPANCY.

H. LIGHTING CONTROLS SHALL MATCH DIMMING TECHNOLOGY OF FIXTURES. CONTRACTOR SHALL VERIFY PRIOR TO ORDERING.

I. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ENGINEER'S REVIEW PRIOR TO ORDERING. INCLUDE WIRING DETAILS AND PLANS WITH SWITCH TYPES, CABLING, AND ZONES INDICATED.

CODE REVIEW:

CERTIFICATE:

spiezle

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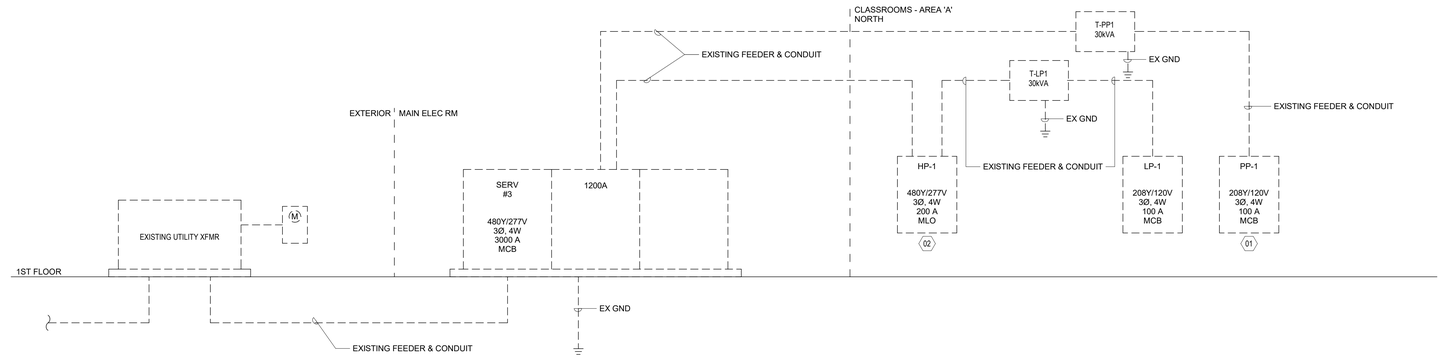
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1 E7.0 PARTIAL EXISTING POWER RISER DIAGRAM

NOT TO SCALE

Branch Panel: HP-1 — Existing

Location: STORAGE CLOSET
Supply From: SERVICE #3
Mounting: Flush
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 14,000
Mains Type: MLO
Mains Rating: 200 A

Notes:
MANUFACTURER: GENERAL ELECTRIC (GE)
MODEL: NHB

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	Load Type	CKT
1	L	LIGHTING C.R. 101	20 A	1	0	0					1	20 A	LIGHTING C.R. 104	L	2
3	L	LIGHTING C.R. 102	20 A	1			0	0			1	20 A	LIGHTING C.R. 103	L	4
5	L	LIGHTING C.R. 105 & 106	20 A	1					0	0	1	20 A	LIGHTING C.R. 107	L	6
7	L	LIGHTING C.R. 108	20 A	1	0	0					1	20 A	LIGHTING C.R. 109	L	8
9	L	LIGHTING C.R. 110	20 A	1			0	0			1	20 A	LIGHTING C.R. 111	L	10
11	L	LIGHTING C.R. 112	20 A	1					0	0	1	20 A	LIGHTING C.R. 113	L	12
13	L	LIGHTING C.R. 114	20 A	1	0	0					1	20 A	LIGHTING C.R. 116	L	14
15	L	LIGHTING C.R. 116	20 A	1			0	0			1	20 A	LIGHTING EAST ENT. & CORR.	L	16
17	L	LIGHTING EAST ENT. & CORR.	20 A	1					0	0	1	20 A	LIGHTING N. LOBBY-TEACH PREP	L	18
19	L	LIGHTING MEDIA CEILING	20 A	1	0	0					1	20 A	LIGHTING MEDIA CEILING	L	20
21	L	EXISTING LOAD	20 A	1			0	0			1	20 A	Other	L	22
23	L	EXISTING LOAD	20 A	1					0	0	1	20 A	Other	L	24
25	L	EXISTING LOAD	20 A	1	0	0					1	20 A	Other	L	26
27	L	EXISTING LOAD	20 A	1			0	0			1	20 A	Other	L	28
29	L	EXISTING LOAD	20 A	1					0	0	1	20 A	Other	L	30
31	L	EXISTING LOAD	20 A	1	0	0					1	20 A	Other	L	32
33							1440	10720							34
35	O	EXISTING LOAD	20 A	3					1440	10960	3	30 A	T-LPZ	O; SP; R	36
37					1440	8760									38
			Total Load:		10200 VA		12160 VA		12400 VA						
			Total Amps:		37 A		45 A		46 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	9.92 kVA	100.00%	9.92 kVA		
Lighting	0 kVA	0.00%	0 kVA	**Total Conn. Load:**	34.76 kVA
Receptacle	24.84 kVA	70.13%	17.42 kVA	**Total Est. Demand:**	27.34 kVA
				Total Conn. Current:	42 A
				Total Est. Demand Current:	33 A

Notes:

Legend

	INDICATES BREAKER/CIRCUIT IS EXISTING TO REMAIN

*ALL NON-HATCHED AREAS ARE NEW CIRCUITS PER SCOPE OF WORK.

Branch Panel: PP1 — Existing

Location: JC 040
Supply From: T-PP1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: EXISTING
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

General Notes:
MANUFACTURER: EATON
MODEL: PRL1A

EXISTING PANEL TO BE USED TO FEED NEW CONVENIENCE POWER ON NEW PERMANENT WALLS.

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	Load Type	CKT
1	R	CLASSROOM 101, COMPUTER & PROJ REC	20 A	1	1080	1080					1	20 A	CLASSROOM 102, COMPUTER & PROJ REC	R	2
3	R	CLASSROOM 103, COMPUTER & PROJ REC	20 A	1			1080	1080			1	20 A	CLASSROOM 104, COMPUTER & PROJ REC	R	4
5	R	CLASSROOM 105, COMPUTER & PROJ REC	20 A	1					1080	1080	1	20 A	CLASSROOM 106, COMPUTER & PROJ REC	R	6
7	R	CLASSROOM 107, COMPUTER & PROJ REC	20 A	1	1080	1080					1	20 A	CLASSROOM 108, COMPUTER & PROJ REC	R	8
9	R	CLASSROOM 109, COMPUTER & PROJ REC	20 A	1			1080	1080			1	20 A	CLASSROOM 110, COMPUTER & PROJ REC	R	10
11	R	EXISTING LOAD	20 A	1					1080	1080	1	20 A	CLASSROOM 112, COMPUTER & PROJ REC	R	12
13	R	CLASSROOM 113, COMPUTER & PROJ REC	20 A	1	1080	1080					1	20 A	CLASSROOM 114, COMPUTER & PROJ REC	R	14
15	R	CLASSROOM 115, COMPUTER & PROJ REC	20 A	1			1080	1080			1	20 A	CLASSROOM 116, COMPUTER & PROJ REC	R	16
17	O	NETWORK ROOM OUTLETS 10-23-25	20 A	1					0	0	1	20 A	SPARE	--	18
19	R	**REC: CLASS RM 101/102 **1**	**20 A**	**1**	720	0					1	20 A	SPARE	--	20
21	R	**REC: CLASS RM 102/103 **1**	**20 A**	**1**			720	0			1	20 A	SPARE	--	22
23	R	**REC: CLASS RM 103/104 **1**	**20 A**	**1**					720	0	1	20 A	SPARE	--	24
25	R	**REC: CLASS RM 107/108 **1**	**20 A**	**1**	720	0					1	20 A	SPARE	--	26
27	R	**REC: CLASS RM 108/109 **1**	**20 A**	**1**			720	--			1	--	SPACE	--	28
29	R	**REC: CLASS RM 114/115 **1**	**20 A**	**1**					720	--	1	--	SPACE	--	30
31	R	**REC: CLASS RM 115/116 **1**	**20 A**	**1**	720	--					1	--	SPACE	--	32
33	--	SPACE	--	1			--	--			1	--	SPACE	--	34
35	--	SPACE	--	1					--	--	1	--	SPACE	--	36
37	--	SPACE	--	1	--	--					1	--	SPACE	--	38
39	--	SPACE	--	1			--	--			1	--	SPACE	--	40
41	--	SPACE	--	1					--	--	1	--	SPACE	--	42
			Total Load:		8640 VA		7920 VA		5760 VA						
			Total Amps:		75 A		69 A		48 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	0 kVA	0.00%	0 kVA		
Receptacle	22.32 kVA	72.40%	16.16 kVA	**Total Conn. Load:**	22.32 kVA
				Total Est. Demand:	16.16 kVA
				Total Conn. Current:	62 A
				Total Est. Demand Current:	45 A

Keyed Notes:
**1 PROVIDE NEW 20A/1P BREAKER FOR ADDED LOAD. NEW BREAKER TO BE COMPATIBLE WITH EXISTING PANEL AND MATCH AIC RATING OF PANEL.

Branch Panel: SP — Existing

Location: GYM STAGE
Supply From: SWBD
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

General Notes:
MANUFACTURER: SIEMENS
MODEL: CDP-7

EXISTING PANEL TO BE USED TO FEED NEW MOTORIZED PARTITION

CKT	Load Type	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	Load Type	CKT
1	L	SPOT LIGHT [OFF]	20 A	1	1200	0					1	20 A	SPARE	L	2
3	L	SPOT LIGHT [OFF]	20 A	1			1200	1200			1	30 A	STAGE LIGHT BATTENS [OFF]	L	4
5	L	SPOT LIGHT [OFF]	20 A	1					1200	1200	1	30 A	STAGE LIGHT BATTENS [OFF]	L	6
7	L	SPOT LIGHT [OFF]	20 A	1	1200	1200					1	30 A	STAGE LIGHT BATTENS [OFF]	L	8
9	L	SPOT LIGHT [OFF]	20 A	1			1200	1200			1	30 A	STAGE LIGHT BATTENS [OFF]	L	10
11	L	SPOT LIGHT [OFF]	20 A	1					1200	1200	1	30 A	STAGE LIGHT BATTENS [OFF]	L	12
13	O	CURTAIN SCREEN	20 A	1	500	1200					1	30 A	STAGE LIGHT BATTENS [OFF]	L	14
15	O	INT CAFE LIGHTS SWCH XFMR	20 A	1			500	1200			1	30 A	STAGE LIGHT BATTENS [OFF]	L	16
17	L	STAGE LIGHT BATTENS [OFF]	30 A	1					1200	1200	1	30 A	STAGE LIGHT BATTENS [OFF]	L	18
19	L	STAGE LIGHT BATTENS [OFF]	30 A	1	1200	1200					1	30 A	STAGE LIGHT BATTENS [OFF]	L	20
21	L	STAGE LIGHT BATTENS [OFF]	30 A	1			1200	4333							22
23	--	SPACE	--	1					--	4333	3	60 A	DIMMER PANEL	O	24
25	L	EXISTING LIGHTS [OFF]	20 A	1	1200	4333									26
27	L	EXISTING LIGHTS [OFF]	20 A	1			1200	730			**2**	**15 A**	**MOTORIZED PARTITION *1**	M	28
29	L	EXISTING LIGHTS [OFF]	20 A	1					1200	730					30
31	L	EXISTING LIGHTS [OFF]	20 A	1	1200	730					**2**	**15 A**	**MOTORIZED PARTITION *1**	M	32
33	L	EXISTING LIGHTS [OFF]	20 A	1			1200	730							34
35	L	EXISTING LIGHTS [OFF]	20 A	1					1200	--	1	--	SPACE	--	36
37	--	SPACE	--	1	--	--					1	--	SPACE	--	38
39	--	SPACE	--	1			--	--			1	--	SPACE	--	40
41	--	SPACE	--	1					--	--	1	--	SPACE	--	42
			Total Load:		15163 VA		15893 VA		14663 VA						
			Total Amps:		127 A		133 A		122 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	28.8 kVA	125.00%	36 kVA		
Motor	2.92 kVA	125.00%	3.65 kVA	**Total Conn. Load:**	45.72 kVA
Other	14 kVA	100.00%	14 kVA	**Total Est. Demand:**	53.65 kVA
				Total Conn. Current:	127 A
				Total Est. Demand Current:	149 A

Keyed Notes:
*1 PROVIDE NEW 2-POLE BRANCH CIRCUIT. ENSURE BREAKER IS COMPATIBLE WITH PANEL AND MATCHES AIC RATING.

NOTE: EC TO VERIFY AND CONFIRM THAT THE FEEDER TO THIS PANEL IS 200A.

GENERAL NOTES

A. REFER TO PANEL SCHEDULES FOR FAULT CURRENT INTERRUPTING CAPACITIES.

B. ALL NEW CIRCUIT BREAKERS IN EXISTING PANELS SHALL MATCH EXISTING AIC RATINGS.

C. ALL EXISTING CONDITIONS NOTED ON THESE PLANS ARE TAKEN FROM SITE OBSERVATIONS AND AVAILABLE AS-BUILT / RECORD DRAWINGS. CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS IN THE FIELD AND NOTIFY DESIGN TEAM OF DISCREPANCIES. IN ADDITION, CONTRACTOR SHALL INDICATE ANY CHANGES FROM DRAWINGS ON AS-BUILTS FOR THE OWNER. ALL CIRCUITRY MODIFICATIONS SHALL BE INDICATED ON THE DEVICE CIRCUIT LABELS AND IN UPDATED TYPED PANEL DIRECTORIES. ALL SPARE BREAKERS AT THE END OF THE PROJECT SHALL BE LABELED "SPARE" AND TURNED OFF. CONTRACTOR SHALL PROVIDE UPDATED DIRECTORY REFLECTING EXISTING CONDITIONS ONCE DEMOLITION PHASE IS COMPLETE FOR ENGINEER OF RECORD'S REVIEW.

D. ALL CIRCUITRY MODIFICATIONS MADE IN THE FIELD SHALL BE INDICATED ON THE DEVICE CIRCUIT LABELS, ASSOCIATED JUNCTION BOXES ABOVE CEILING, AND IN UPDATED TYPED PANEL DIRECTORIES.

E. PROVIDE TYPED DIRECTORY AT END OF PROJECT. ALL SPARE BREAKERS SHALL BE LABELED "SPARE" IN THE DIRECTORY AND IN THE "OFF" POSITION. THERE SHALL BE NO HAND WRITTEN MARKS ON THE DIRECTORIES AT PROJECT COMPLETION. ALL PANEL SCHEDULES SHALL MEET NEC 408.4.

F. BREAKERS RATED 125 AMPS OR LESS MUST BE MARKED FOR USE WITH 60 DEG C, 60/75 DEG C, OR 75 DEG C ONLY WIRE. ALL WIRE SIZES SHOWN ON PLANS ARE ASSUMING RATINGS OF 60/75 DEG C, UNLESS NOTED OTHERWISE. IF 75 DEG C RATED LUGS ARE PROVIDED, CONTRACTOR MUST ADJUST THE WIRE SIZES ACCORDINGLY.

G. EXISTING ELECTRICAL SERVICE: THE CONTRACTOR SHALL VERIFY THE CHARACTERISTICS OF THE EXISTING ELECTRICAL SERVICE WITH THE LANDLORD AND THE POWER COMPANY PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL COORDINATE ALL SERVICE REQUIREMENTS NECESSARY TO PROVIDE AN ELECTRICAL SERVICE IN CONFORMANCE WITH ALL APPLICABLE CODES AND ORDINANCES TO SATISFY THE REQUIREMENTS OF THE ELECTRICAL SERVICE OUTLINED HEREIN SHOULD THE EXISTING SERVICE PROVE INADEQUATE. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS, AND SHALL PAY ALL PERMITS AND FEES ASSOCIATED WITH THIS WORK.

(##) KEYED NOTES

01 NEW BRANCH CIRCUITS TO SERVE CONVENIENCE POWER ON NEW PERMANENT PARTITIONS FROM THIS PANEL.

02 REUSE EXISTING BRANCH CIRCUITS TO FEED NEW LIGHTING LAYOUT. NO LOAD INCREASE ON LIGHTING CIRCUITS. EXISTING FIXTURES REPLACED WITH MORE ENERGY EFFICIENT LED FIXTURES.

CODE REVIEW:

CERTIFICATE:

spiezle

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BID SET 10/15/2026

PROJECT:

RENOVATIONS AT MULTIPLE SCHOOLS

STAFFORD INTERMEDIATE SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

McKINLEY AVENUE ELEMENTARY SCHOOL
1000 McKINLEY AVENUE, MANAHAWKIN, NJ 08050

STAFFORD TOWNSHIP BOARD OF EDUCATION

250 NORTH MAIN STREET,
MANAHAWKIN, NJ 08050

FOR CODE REVIEW:

REVISIONS:

	REVISION NAME	DATE

FOR BID: 10/15/2026

DRAWING TITLE:

PARTIAL EXISTING RISER DIAGRAM

COMMISSION NUMBER:

24K067

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DRAWING NUMBER:

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