INTERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL

300 DELANCO ROAD, EDGEWATER PARK NJ 08010

ISSUE FOR BID 11/10/2026

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE-2024 NEW JERSEY EDITION AND ALL OTHER APPLICABLE CODES, ORDINANCES, ETC. FOR NEW JERSEY STATE AND THE LOCAL AUTHORITY HAVING JURISDICTION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND FAMILIARIZING THEMSELF WITH THE EXISTING CONDITIONS AND SCOPE OF THE WORK PRIOR TO SUBMITTING BIDS AND COMMENCING WORK.
3. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SAFE WORKING CONDITIONS AND SHALL OBSERVE ALL SAFETY REQUIREMENTS ESTABLISHED BY JURISDICTIONAL AGENCIES AND THE OWNER. WHERE CONFLICTS EXIST, THE MORE STRINGENT REQUIREMENT SHALL APPLY. CARE SHALL BE EXERCISED TO AVOID ENDANGERING PERSONNEL OR STRUCTURES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION METHODS, PROCEDURES AND JOB SITE CONDITIONS INCLUDING SAFETY. CONSTRUCTION SHALL BE PERFORMED IN SUCH A MANNER TO PROTECT WORKMEN, OCCUPANTS AND THE PUBLIC FROM INJURY AND ADJOINING PROPERTY SHALL BE PROTECTED FROM DAMAGE BY USE OF SCAFFOLDING, UNDERPINNING OR OTHER APPROVED METHOD. THE CONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE CAUSED DURING OR RESULTING FROM HIS OPERATIONS IN KIND TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR SHALL MAINTAIN THE JOB SITE IN A CLEAN, DEBRIS FREE CONDITION. THE DUST RESULTING FROM REMOVALS SHALL BE CONTROLLED SO AS TO PREVENT ITS SPREAD TO OCCUPIED PORTIONS OF THE BUILDING AND TO AVOID CREATION OF A NUISANCE IN THE SURROUNDING AREA.
6. CONTRACTOR SHALL SECURE ALL REQUIRED PERMITS, APPROVALS, ETC. PRIOR TO COMMENCING WORK AND SHALL SECURE CERTIFICATE OF OCCUPANCY UPON COMPLETION OF WORK.
7. CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLISHED MATERIAL OFF SITE IN AN APPROVED MANNER. THE OWNER SHALL BE CONSULTED PRIOR TO DISPOSAL OF ANY SALVAGED OR EXCESS MATERIALS AT THE COMPLETION OF THE PROJECT.
8. UPON COMPLETION OF WORK, ALL EXCESS MATERIAL, DEBRIS, ETC. SHALL BE REMOVED AND THE WORK AREA SHALL BE LEFT CLEAN TO THE OWNER'S SATISFACTION.
9. ALL WORK SHALL BE SCHEDULED IN COMPLIANCE WITH THE OWNER'S REQUIREMENTS FOR THE USE OF THE EXISTING FACILITY.
10. CONTRACTOR SHALL FURNISH ALL EQUIPMENT THAT MAY BE REQUIRED TO PERFORM THE WORK INDICATED IN A SAFE AND ORDERLY MANNER.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION AND TEMPORARY SUPPORT OF ANY UTILITIES ENCOUNTERED DURING THE COURSE OF HIS WORK AND TO ENSURE THE OWNER'S FACILITY TO BE OPERATIONAL.
12. THE CONTRACTOR SHALL REVIEW DRAWINGS AND FIELD VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND ADDRESS ALL QUESTIONS TO ARCHITECT PRIOR TO COMMENCING WORK.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, PATCHING, FILLING AND CLEANING UPON COMPLETION OF WORK.
14. THE CONTRACTOR SHALL NOT SCALE DRAWINGS FOR DIMENSIONS. ALL WRITTEN OR DIMENSIONED INFORMATION TAKES PRECEDENCE OVER THE DRAWING.
15. THE CONTRACTOR SHALL SUBMIT, WHERE REQUIRED, SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL PRIOR TO THE START OF FABRICATION OF THOSE ITEMS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
16. THE CONTRACTOR SHALL PROVIDE THE OWNER AND ARCHITECT WITH CERTIFICATES OF INSURANCE PRIOR TO STARTING THE WORK.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND BRACING OF EXISTING STRUCTURES AS NEEDED TO COMPLETE THE NEW WORK.
18. ALL MANUFACTURER'S MATERIALS, COMPONENTS, FASTENERS, ASSEMBLIES, ETC. SHALL BE HANDLED AND INSTALLED IN ACCORDANCE TO WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS. WHERE BRAND NAMES AND MANUFACTURED PRODUCTS ARE CALLED FOR, APPROVED EQUALS WHICH MEET APPLICABLE STANDARDS AND SPECIFICATIONS MAY BE SUBSTITUTED WITH WRITTEN PERMISSION OF THE ARCHITECT AND THE OWNER. WHENEVER BRAND NAMES OR SPECIFIC PRODUCT SYSTEMS ARE INDICATED IT SHALL BE CLEARLY UNDERSTOOD THAT SUCH IDENTIFICATION IS FOR THE PURPOSE OF ILLUSTRATING THE TYPE OF PRODUCT AND DEGREE OF QUALITY DESIRED. SUCH IDENTIFICATION IN NO WAY PRECLUDES THE CONTRACTOR FROM USING PRODUCTS OF OTHER MANUFACTURERS WHICH CAN BE SHOWN IN ADVANCE TO BE OF LIKE AND OF EQUAL QUALITY.
19. ALL CHANGES SHALL BE REQUESTED IN WRITING AND MAY ONLY BE APPROVED IN WRITING BY THE ARCHITECT AND THE OWNER PRIOR TO ANY CHANGES BEING MADE.
20. THE ARCHITECT HAS THE RIGHT TO REJECT ANY PORTION OF WORK THAT IS POORLY INSTALLED, DOES NOT MEET INDUSTRY STANDARD, UNAUTHORIZED, OR WORK DONE CONTRARY TO THE INTENT OF THE CONTRACT DOCUMENTS. SUCH WORK SHALL BE REPLACED, REPAIRED OR REMOVED AT THE CONTRACTOR'S EXPENSE.
21. THE CONTRACTOR SHALL GUARANTEE ALL THEIR WORK AND THE WORK OF THEIR SUBCONTRACTORS FOR A PERIOD AS STIPULATED IN CONTRACT DOCUMENTS AFTER RECEIVING FINAL ACCEPTANCE AND DO ALL REPAIR WORK AND REPLACEMENT AS NECESSARY DURING THAT PERIOD AT THE CONTRACTOR'S EXPENSE.
22. IN NO EVENT SHALL STRUCTURAL MEMBERS BE CUT OR DRILLED WITHOUT THE WRITTEN APPROVAL OF A LICENSED STRUCTURAL ENGINEER.
23. THE CONTRACTOR SHALL PROVIDE SAFE AND SANITARY CONDITIONS WHERE DEMOLITION AND WRECKING OPERATIONS ARE BEING CARRIED ON. WORK SHALL BE EXECUTED IN SUCH A MANNER THAT HAZARD FROM FIRE, POSSIBILITY OF INJURY, DANGER TO HEALTH AND CONDITIONS WHICH MAY CONSTITUTE A PUBLIC NUISANCE SHALL BE MINIMIZED.

PROJECT SUMMARY

THE SCOPE OF WORK FOR THE ALTERATIONS AT THE SAMUEL M. RIDGWAY MIDDLE SCHOOL INCLUDES, BUT IS NOT LIMITED TO:

ALTERATIONS TO THE FIRST FLOOR TO CONVERT COMMON SPACES INTO EDUCATIONAL SMALL GROUP INSTRUCTION ROOMS. ALTERATIONS TO THE EXISTING FACULTY ROOM, LEARNING RESOURCE COMMONS, AND STORAGE ROOM FOR CONVERSION INTO (2) SGI ROOMS, (1) FACULTY ROOM, (1) WORK ROOM/COPY ROOM. INCLUDING NEW FLOORING, WALLS, DOORS, CEILINGS, AND LIGHTING. THE ADDITION OF A UNISEX RESTROOM AND ELECTRICAL RECONFIGURATION WHERE NEEDED.

EXISTING HVAC SYSTEM TO BE MODIFIED TO ACCOMMODATE THE NEW CONFIGURATION.

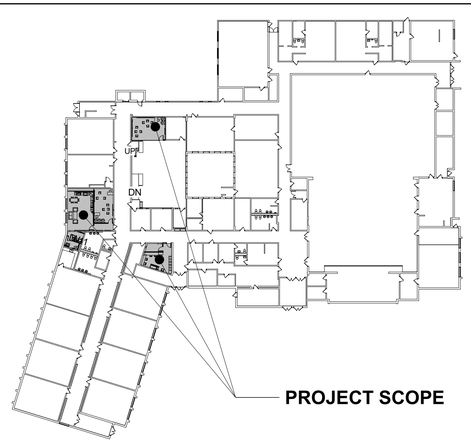
LOCATION MAP

NORTH



KEY PLAN

NORTH



LEGEND AND SYMBOLS

BUILDING SECTION — DWG. NO. 2 / SHEET NO. A4.01

BUILDING ELEVATION — DWG. NO. 2 / SHEET NO. A3.01

DETAIL — DETAIL NO. 2 / SHEET NO. A6.01

INTERIOR ELEVATIONS — DWG. NO. 1 / SHEET NO. A7.01 (1, 2, 3, 4)

REVISION CLOUD AND TAG — 1

DRAWING TITLE — DWG. TITLE; DWG. NO. 2; SHEET NO. A6.01; **FLOOR PLAN**; 1/8" = 1'-0"; DWG. SCALE

DOOR TAG — 01

WINDOW TAG — W1

EQUIPMENT TAG — 101

PLUMBING FIXTURE TAG — P-1

CONSTRUCTION KEY NOTE — #

DEMOLITION KEY NOTE — #

WALL TYPE — 1

ROOM TAG — ROOM NAME; ROOM NO.; BATHROOM 101

ABBREVIATIONS

A/C	AIR CONDITIONING
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
AMP	AMPERE
ARCH	ARCHITECT
BLDG	BUILDING
BOH	BACK OF HOUSE
BOD	BOTTOM OF DECK
CAB	CABINET
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CM	CONSTRUCTION MANAGER
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUED
CT	CERAMIC TILE
CTR	CENTER
DEG	DEGREE
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
(E)	EXISTING
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
EQ	EQUAL
ETR	EXISTING TO REMAIN
EXIST	EXISTING
EXT	EXTERIOR
FEC	FIRE EXTINGUISHER CABINET
FF&E	FURNITURE, FIXTURE, AND EQUIPMENT
FLR	FLOOR
FT	FOOT/FEET
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GWB	GYPSUM WALLBOARD
GYP	GYPSUM BOARD
HC	HOLLOW CORE
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HVAC	HEATING, VENTILATING, & AIR CONDITIONING
ID	INSIDE DIAMETER
INSUL	INSULATION
LL	LANDLORD
MAX	MAXIMUM
MEP	MECHANICAL, ELECTRICAL, & PLUMBING
MFR	MANUFACTURER
MIN	MINIMUM
MO	MASONRY OPENING
MTL	METAL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
PLAM	PLASTIC LAMINATE
PM	PROJECT MANAGER
POS	POINT OF SALE
PT	PRESSURE TREATED
PTD	PAINTED
R	RADIUS
REF	REFERENCE
REQ'D	REQUIRED
REV	REVISION
RO	ROUGH OPENING
SC	SOLID CORE
SF	SQUARE FEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STG	STORAGE
STL	STEEL
TEMP	TEMPORARY
TOS	TOP OF STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
VCB	VINYL COVE BASE
VCT	VINYL COMPOSITE TILE
VERT	VERTICAL
VIF	VERIFY IN FIELD
VT	VINYL TILE
WD	WOOD
WH	WATER HEATER
W/	WITH

DRAWING INDEX

SHEET NO.	TITLE
TITLE SHEET	
T0.01	TITLE SHEET
ARCHITECTURAL	
A0.01	EGRESS PLAN & CODE DATA
A0.02	ACCESSIBILITY & UL DETAILS
A1.01	DEMOLITION PLAN - FACULTY LOUNGE & STORAGE
A1.02	DEMOLITION PLAN - LEARNING RESOURCE COMMONS
A2.01	PROPOSED FLOOR PLAN
A4.01	BUILDING SECTIONS
A4.02	DETAILS
A5.01	REFLECTED CEILING PLAN
A6.01	DOOR SCHEDULE, DOOR TYPES & DETAILS
A7.01	ENLARGED PLANS AND ELEVATIONS
A7.02	ENLARGED PLANS AND ELEVATIONS
A8.01	FURNITURE PLAN
A9.01	FLOOR FINISH PLAN
MECHANICAL	
M0.01	MECHANICAL NOTES & SYMBOLS
M1.01	MECHANICAL DEMOLITION PLANS
M2.01	MECHANICAL PROPOSED PLANS
M6.01	MECHANICAL SCHEDULES & DETAILS
PLUMBING	
P1.01	PLUMBING DEMOLITION PLANS & NOTES
P2.01	PLUMBING PLANS AND DETAILS
P5.01	PLUMBING RISERS AND DETAILS
P6.01	PLUMBING SCHEDULE & DETAILS
ELECTRICAL	
E0.01	NOTES, ABBREVIATIONS, & SYMBOL LIST
E1.01	ELEC DEMO PLANS FACULTY & STORAGE
E1.02	ELEC DEMO PLANS LEARNING RESOURCE
E2.01	PROPOSED ELEC PLANS - FACULTY & STORAGE
E2.02	PROPOSED ELEC PLANS - LEARNING RESOURCE
E6.01	PANEL BOARD SCHEDULES & FA ONE-LINE

APPLICABLE CODES

USE GROUP/OCCUPANCY
USE GROUP "E" (EDUCATION)

APPLICABLE CODES
THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODE REQUIREMENTS AND OTHER REGULATORY AGENCIES INCLUDING, BUT NOT LIMITED TO:

BUILDING SUBCODE (NJAC 5:23-3.14) **INTERNATIONAL BUILDING CODE/2024, NJ ED**
PLUMBING SUBCODE (NJAC 5:23-3.15) **NATIONAL STANDARD PLUMBING CODE/2024, NJ ED**
ELECTRICAL SUBCODE (NJAC 5:23-3.16) **NATIONAL ELECTRICAL CODE (NFPA 70)/2023**
ENERGY SUBCODE (NJAC 5:23-3.18) **ASHRAE 90.1-2022 (COMMERCIAL)**
MECHANICAL SUBCODE (NJAC 5:23-3.20) **INTERNATIONAL MECHANICAL CODE/2024**
FUEL GAS SUBCODE (NJAC 5:23-3.22) **INTERNATIONAL FUEL GAS CODE/2024**
REHABILITATION SUBCODE (NJAC 5:23-6) **NJUCC, SUBCHAPTER 6**
BARRIER FREE SUBCODE (CHAPTER 11 OF IBC/2024 & NJAC 5:23-7) **ICC A117.1-2017**
NJ UNIFORM CONSTRUCTION CODE **TITLE 5, CHAPTER 23, SUB-CHAPTERS 1-12**
* SEE "ASME" WITHIN CHAPTER 35 OF IBC/2021

THE ABOVE CODES AND REGULATIONS REFER TO THE LATEST EDITION OR REVISION IN FORCE ON THE DATE OF THE CONTRACT DOCUMENTS, UNLESS OTHERWISE NOTED. NOTHING ON THE DRAWINGS IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK THAT IS CONTRARY TO THE LISTED CODES AND REGULATIONS, OR ANY OTHER REGIONAL, STATE, OR FEDERAL REGULATIONS.

UNLESS OTHERWISE NOTED SPECIFIC REFERENCES TO CODES, REGULATIONS, STANDARDS, MANUFACTURER'S INSTRUCTIONS, OR REQUIREMENTS OF REGULATORY AGENCIES, WHEN USED TO SPECIFY REQUIREMENTS FOR MATERIALS OF DESIGN ELEMENTS SHALL MEAN THE LATEST EDITION OF EACH IN EFFECT AT THE DATE OF SUBMISSION OF BIDS, OR THE DATE OF THE CHANGE OF ORDER, OR FIELD DIRECTIVE AS APPLICABLE.

NJ Certificate of Authorization
Eng'r. Nos. 24GA27937500
Arch. Nos. 21AC00012400
Date 11/10/2026
Checked KDA
Drawn HLF

RONALD W. SCHWENKE III, R.A.
Title REGISTERED ARCHITECT License No. NJ21A02051300

Date	Description
11/10/26	ISSUE FOR BID

LAN ASSOCIATES
Engineering, Planning, Architecture, Surveying Inc.
1018 Laurel Oak Road Ste 11, Voorhees, NJ 08043 | t. 856-375-2700 | f. 201-447-1233

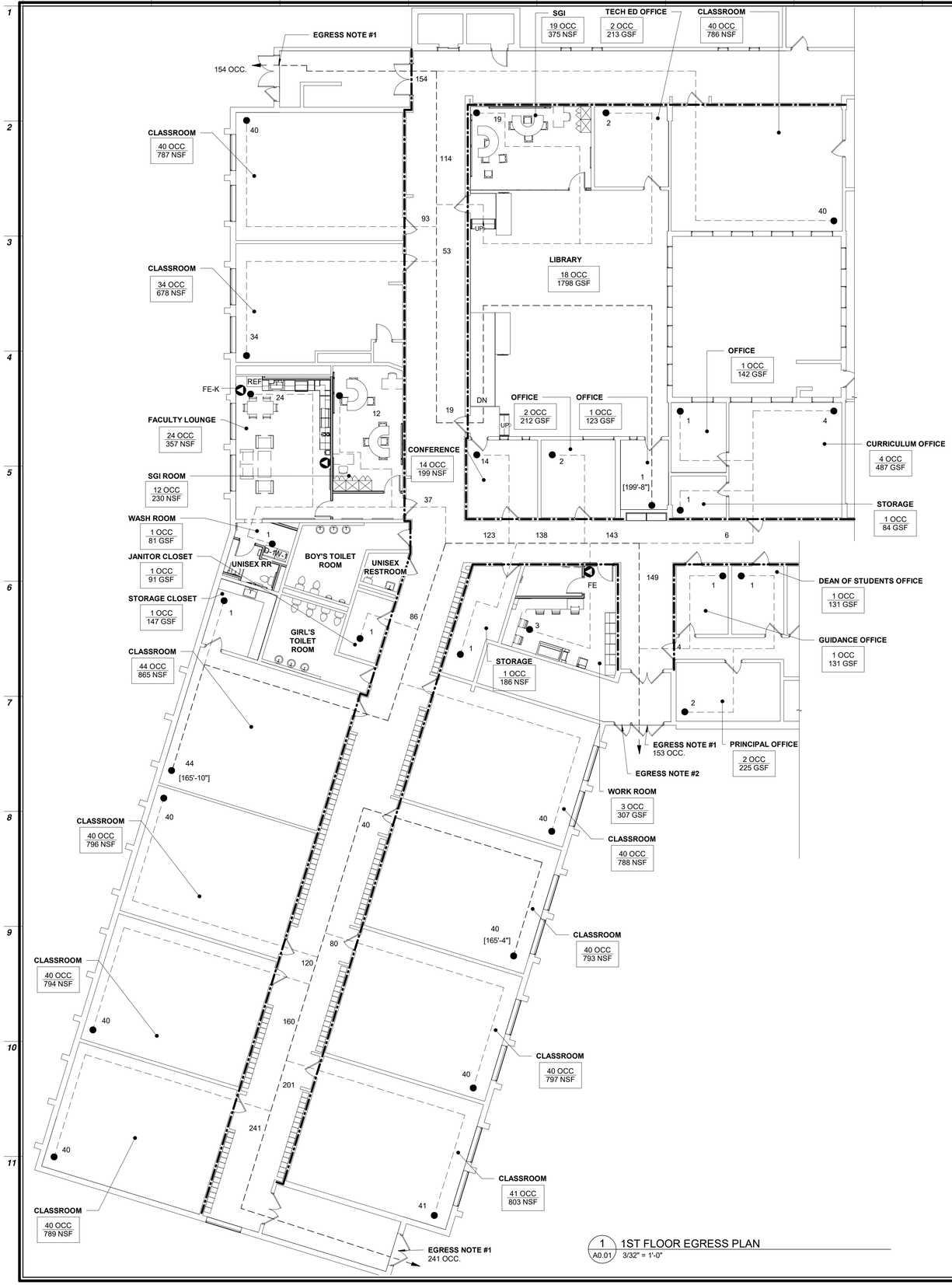
TITLE SHEET

INTERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
300 DELANCO ROAD, EDGEWATER PARK NJ 08010

State Project #: 05-1280-070-27-1000

Job No. 2.20554.3
File No.

T0.01



1 A0.01 1ST FLOOR EGRESS PLAN
3/32" = 1'-0"

PROJECT CLASSIFICATION & SUMMARY

PROJECT: INTERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL

USE GROUP: E - EDUCATION (IBC 2021, CHAPTER 3)
CLIMATE ZONE: 4A (ASHRAE 90.1-2019, TABLE B1-1)
CONSTRUCTION CLASSIFICATION: **TYPE IIB, NON-SPRINKLERED**

FIRE SAFETY

1-HOUR FIRE RESISTANCE RATED FIRE PARTITION

OCCUPANT LOAD

FLOOR AREA PER OCCUPANT	BASED ON TABLE 1004.5 OF IBC, 2021
CLASSROOMS	20 NSF
ASSEMBLY (UNCONCENTRATED)	15 NSF
ACCESSORY STORAGE	300 GSF
LIBRARY	100 GSF
BUSINESS (OFFICE)	150 GSF

EGRESS PLAN - SYMBOL & LEGEND

NAME — ROOM/SPACE NAME
5 OCC — MAX. # OF OCCUPANTS
300 SF — ROOM/SPACE SQ. FT.
5 — TOTAL # OF OCCUPANTS
EXIT ACCESS TRAVEL DISTANCE
5 — TOTAL # OF OCCUPANTS
MAXIMUM EXIT ACCESS TRAVEL DISTANCE
SYMBOL DENOTES AN ACCESSIBLE MEANS OF EGRESS TO GRADE

EGRESS ELEMENT NOTES

NOTE #1
DOUBLE LEAF DOOR: 6' - 0" (3' - 0" PER LEAF)
ACTUAL CLEAR WIDTH: 5' - 8" (NO CENTER MULLION)
EGRESS CAPACITY: (NON-SPRINKLERED) 68.5" / 0.20" = 342 OCCUPANTS

NOTE #2
SINGLE LEAF DOOR: 3' - 0"
ACTUAL CLEAR WIDTH: 2' - 9 5/8"
EGRESS CAPACITY: (NON-SPRINKLERED) 33.5" / 0.20" = 167 OCCUPANTS

NOTE #3 (IBC-NJ 1005.3.1.1 & 1005.3.2.1)
EGRESS CAPACITY FACTOR:
STAIRWAY = (NON-SPRINKLERED) 0.3" PER OCCUPANT
COMPONENTS OTHER THAN STAIRWAYS = (NON-SPRINKLERED) 0.2" PER OCCUPANT

FIRE EXTINGUSHER SCHEDULE

SYMBOL	DESCRIPTION	QUANTITY
FE	MULTI-PURPOSE CLASS ABC (2A RATING), RECESSED - IN CABINET	2
FE-K	CLASS K WET CHEMICAL FIRE EXTINGUISHER, WALL MOUNTED	1

PORTABLE FIRE EXINTGUISHER SHALL BE SELECTED, INSTALL AND MAINTEINED IN ACCORDANCE WITH IBC 2024, SECTION 906, AND NFPA 10.

CLASS A (LIGHT HAZARD OCCUPANCY LOCATIONS) :

1. BASE ON ONE "2a" RATING FIRE EXTINGUISHER FOR EACH 6,000 SF, OF FLOOR AREA OR FRACTION THERE OF.
2. 3,000 SF. MAXIMUN OF FLOOR AREA PER UNIT OF "A", AND 11,250 S. OF MAXIMUM FLOOR AREA FOR EACH EXTINGUISHER.
3. 75' MAXIMUN TRAVEL DISTANCE TO EXTINGUISHER.

CLASS K

1. PROVIDE ONE CLASS K FIRE EXTINGUISHER WITHIN 30 FEET TRAVEL DISTANCE OF RESIDENTIAL COOKING EQUIPMENT IN FACULTY LOUNGE IN ACCORDANCE WITH NFPA 10.

NJ Certificate of Authorization	
Eng'r. Nos.	24GA27937500
Arch. Nos.	21AC00012400
Date	11/10/2026
Checked	KDA
Drawn	HLF

RONALD W. SCHWENKE III, R.A.
License No. NJ21AI02051300
Title REGISTERED ARCHITECT

Date	Description
11/10/26	ISSUE FOR BID

State Project #: 05-1280-070-27-1000

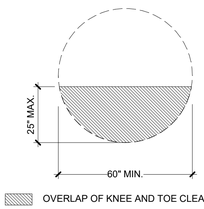
EGRESS PLAN & CODE DATA
INTERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
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Job No. 2.20554.3
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11/10/2026 5:06:27 PM



OVERLAP OF KNEE AND TOE CLEARANCE

FIGURE 304.3.1.2
CIRCULAR TURNING SPACE - EXISTING BUILDINGS
(ICC/ANSI A117.1-2017)

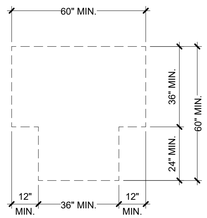


FIGURE 304.3.2.2
T-SHAPED TURNING SPACE - EXISTING BUILDINGS
(ICC/ANSI A117.1-2017)

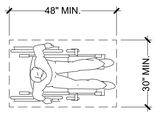
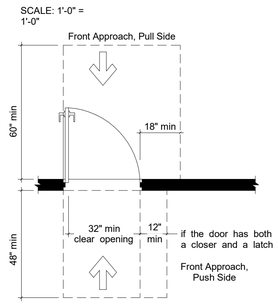
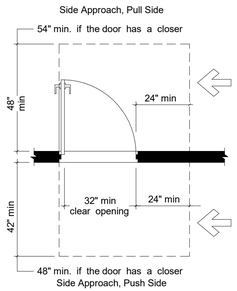


FIGURE 305.3.2
SIZE OF CLEAR FLOOR SPACE - EXISTING BUILDINGS
(ICC/ANSI A117.1-2017)

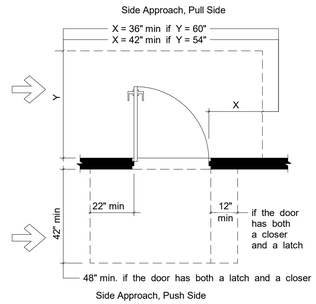
SCALE: 1'-0" = 1'-0"



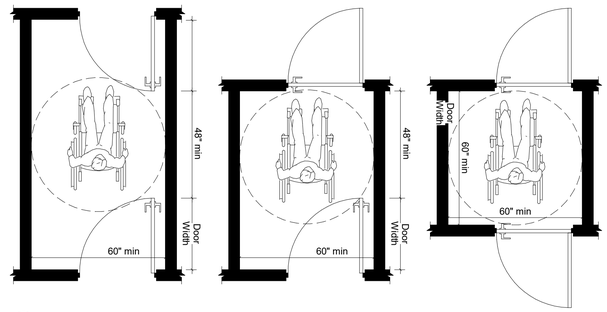
A Door Maneuv. Clearances
N.T.S.



B Door Maneuv. Clearances
N.T.S.

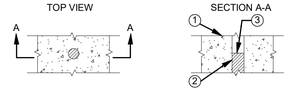


C Door Maneuv. Clearances
N.T.S.



D Door Maneuv. Clearances - Two Hinged Doors In Series
N.T.S.

UL # CAJ0055
BLOCK OPENING IN CONCRETE FLOOR/WALL OR BLOCK WALL
2 OR 3 HR RATING



1. CONCRETE FLOOR OR WALL ASSEMBLY (2 OR 3 HR FIRE RATING):
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONC. FLOOR OR WALL (MIN. 4-1/2" THICK)
   B. UL/ULC CLASSIFIED CONCRETE BLOCK WALL
2. MAXIMUM 4" NOMINAL DIAMETER STEEL PIPE SLEEVE (SCHEDULE 40 OR HEAVIER).
3. HILTI FS 657 FIRE BLOCK (2" DEEP, REF: SECTION A-A) ON BOTH SIDES OF OPENING.

NOTES:
1. MAXIMUM DIAMETER OF OPENING - 4"
2. HILTI FS 657 FIRE BLOCK SHOULD BE CUT 1/2" LARGER THAN INSIDE DIAMETER OF OPENING.
3. FS 657 FIRE BLOCK IS REQUIRED ON BOTH SIDES OF A WALL.

UL/cUL SYSTEM # CAJ4035

8 A0.02 PIPE SLEEVE DETAIL
N.T.S.

UL/cUL SYSTEM # CAJ1155
METAL PIPE THROUGH CONCRETE/WALL OR BLOCK WALL
2-HR OR 3-HR RATING



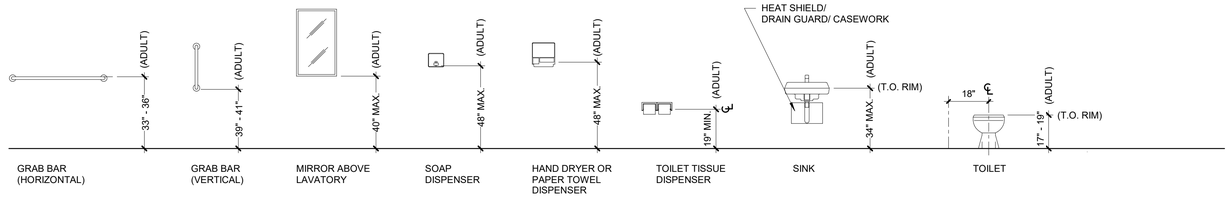
1. CONCRETE WALL ASSEMBLY (3 OR 2-HR FIRE-RATING)
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONC. FLOOR OR WALL (MIN. 4-1/2" THICK)
   B. ANY UL/ULC CLASSIFIED CONCRETE BLOCK WALL
2. OPTIONAL: MAXIMUM 24" NOMINAL DIAMETER STEEL PIPE SLEEVE (SCHEDULE 40 OR HEAVIER).
3. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
   A. MAX 20" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER)
   B. MAX. 20" NOMINAL DIAMETER CAST IRON PIPE.
   C. MAX. 6" NOMINAL DIAMETER COPPER PIPE.
   D. MAX. 6" NOMINAL DIAMETER STEEL CONDUIT.
   E. MAX. 4" NOMINAL DIAMETER EMT.
4. MINIMUM 4" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED.
5. MINIMUM 1/2" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT.
6. MIN. 1/2" COROWN HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

NOTES:
1. MAXIMUM DIAMETER OF OPENING = 24"
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 2-1/4"
3. MINIMUM 1/2" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT IS REQUIRED ON BOTH SIDES OF WALL ASSEMBLY.

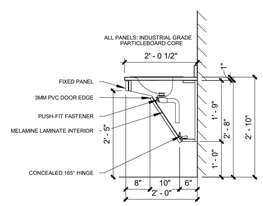
9 A0.02 PIPE PENETRATION FIRE STOP DETAIL
N.T.S.

1 A0.02 ADA - TURNING SPACES AND CLEAR FLOOR SPACES
N.T.S.

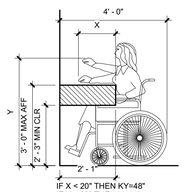
2 A0.02 ADA ACCESSIBLE ROUTES
3/8" = 1'-0"



3 A0.02 ADA - MOUNTING HEIGHTS - ADULTS
N.T.S.



7 A0.02 SINK/CNTR. & WALL CAB SECTION
1/2" = 1'-0"



MAXIMUM REACH FORWARD OVER OBSTRUCTION

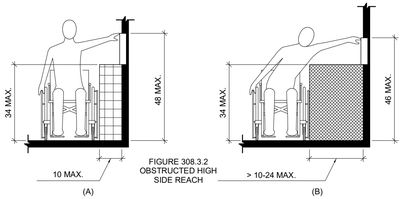


FIGURE 308.3.2
OBSTRUCTED HIGH SIDE REACH

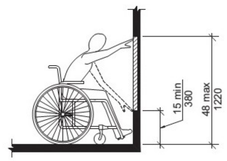


FIG. 308.2.1UNOBSTRUCTED FORWARD REACH

4 A0.02 ACCESSIBLE FORWARD REACH
3/8" = 1'-0"

5 A0.02 ACCESSIBLE SIDE REACH
3/8" = 1'-0"

6 A0.02 UNOBSTRUCTED FORWARD REACH
3/8" = 1'-0"

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Eng'r. Nos.	24GA27937500
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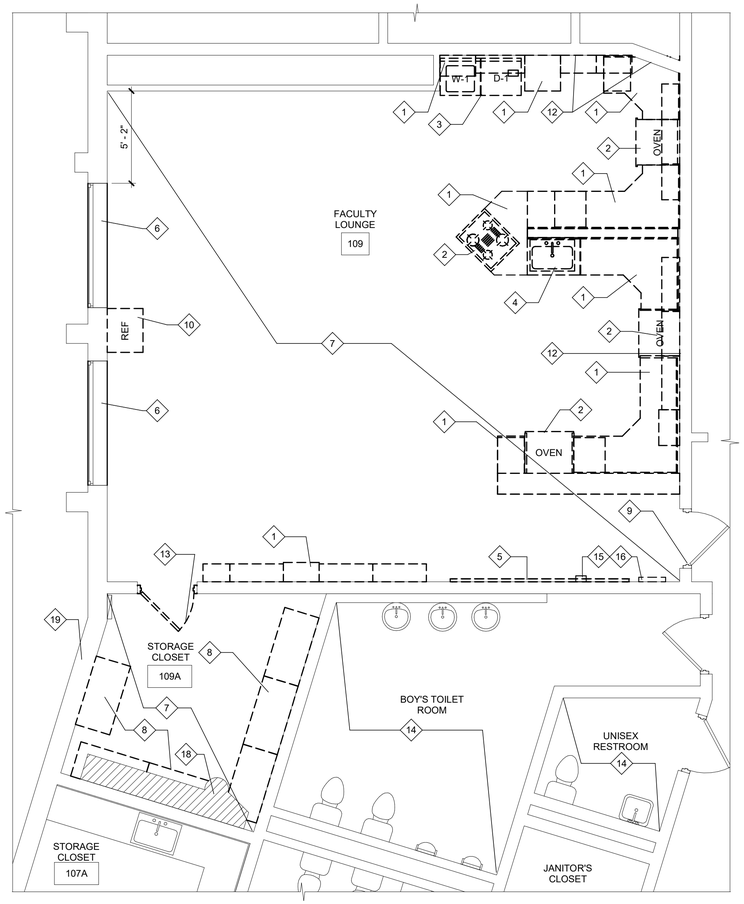
State Project #: 05-1280-070-27-1000

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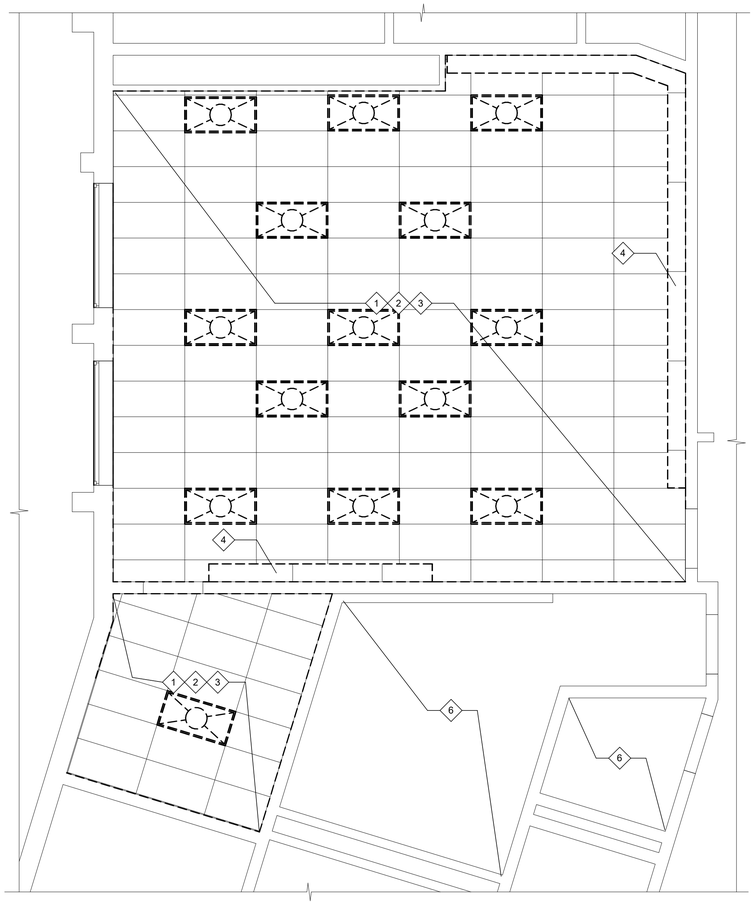
ACCESSIBILITY & UL DETAILS
INTERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
300 DELANCO ROAD, EDGEWATER PARK NJ 08010

Job No. 2.20554.3
File No.

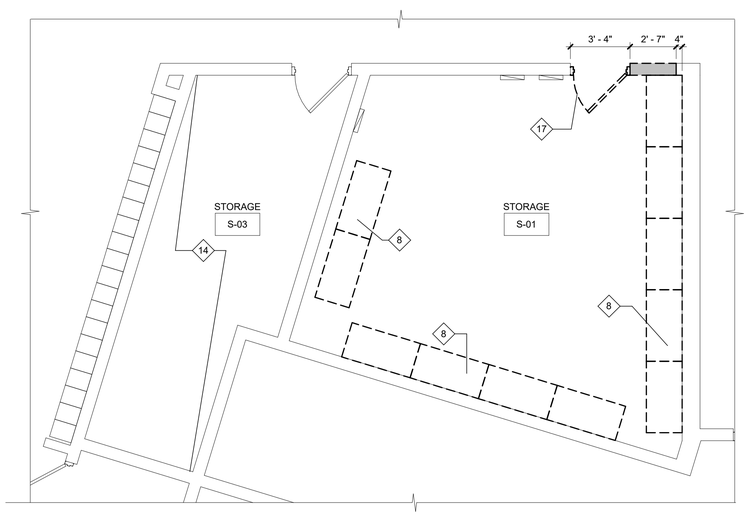
A0.02



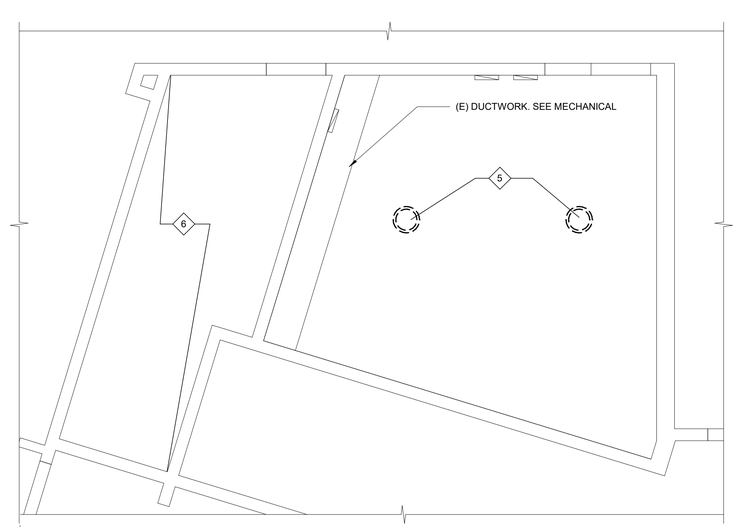
1 A1.01 1ST FLOOR DEMOLITION PLAN FACULTY LOUNGE
1/4" = 1'-0"



3 A1.01 1ST FLOOR DEMOLITION RCP FACULTY LOUNGE
1/4" = 1'-0"



2 A1.01 1ST FLOOR DEMOLITION PLAN STORAGE
1/4" = 1'-0"



4 A1.01 1ST FLOOR DEMOLITION RCP STORAGE
1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. ALL DEMOLITION WORK AS INDICATED IS REQUIRED TO BE PERFORMED IN A SEQUENCE SO AS NOT TO DELAY THE WORK OF ANY OTHER TRADE.
2. CONTRACTOR IS TO TAKE ALL NECESSARY MEASURES TO PREVENT DAMAGE TO ANY ADJACENT PROPERTY OR PERSONS.
3. PROMPTLY REPAIR DAMAGES CAUSED TO ADJACENT AREAS BY DEMOLITION OPERATIONS AT NO COST TO OWNER.
4. OWNER TO REMOVE ALL EXISTING LOOSE FURNITURE PRIOR TO CONSTRUCTION.
5. NOTIFY ARCHITECT IF STRUCTURAL MEMBERS ARE UNCOVERED DURING DEMOLITION. KEEP ARCHITECT ADVISED OF PROGRESS.
6. CONTRACTOR IS TO COORDINATE ALL INDICATED DEMOLITION WITH NEW CONSTRUCTION TO ENSURE PROPER LOCATION AND DIMENSIONS OF DEMOLISHED AREAS. INFORM ARCHITECT OF DISCREPANCIES.
7. CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROAD, STREETS, WALKS AND OTHER ADJACENT OCCUPIED OR USED FACILITIES.
8. PROTECT EXISTING UTILITIES AND SERVICES AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
9. SEAL ALL CORRIDORS LEADING TO EXISTING AREAS TO REMAIN TO PREVENT DUST INFILTRATION.
10. REMOVE DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS. PREMISES MUST BE LEFT BROOM CLEAN AND READY FOR NEW CONSTRUCTION.
11. BURNING OF REMOVED MATERIALS FROM DEMOLISHED STRUCTURES WILL NOT BE PERMITTED ON SITE.
12. DURING DEMOLITION AND REMOVAL, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT, IN WRITING, OF ANY UNEXPECTED OR UNUSUAL CONDITIONS
13. ALL ABANDONED AND ACTIVE WIRING REMOVALS SHALL EXTEND TO NEAREST ACTIVE REMAINING SOURCE PANEL. THE FEEDER CONDUIT TO THE PANEL SHOULD BE IDENTIFIED AND MARKED ACCORDINGLY.
14. DISCONNECT POWER TO OUTLETS, EQUIPMENT & LIGHTING PRIOR TO DEMOLITION.
15. TEMPORARY LIGHTING IS TO BE PROVIDED BY CONTRACTOR AS NECESSARY. LIGHT LEVELS TO BE ADEQUATE FOR THE SAFE PERFORMANCE OF DEMOLITION OPERATIONS.
16. NOTIFY THE ARCHITECT IF EXISTING PLUMBING LINES, DUCTWORK, AND ELECTRICAL LINES ARE INTERFERING WITH PROPOSED UTILITY WORK. DO NOT REMOVED ABOVE MENTIONED EQUIPMENT WITHOUT INSTRUCTIONS FROM THE ARCHITECT.
17. ALL EXISTING MATERIALS, SURFACES, OR EQUIPMENT THAT IS DISTURBED OR DAMAGED DURING ANY NEW WORK SHALL BE PROMPTLY REPAIRED, PATCHED OR REPLACE TO ITS ORIGINAL CONDITION, AT NO COST TO THE OWNER.
18. CONCRETE FLOOR CUTTING: CLEARLY MARK THE AREA OF THE FLOOR SLAB TO BE CUT FOR THE PLUMBING INSTALLATION. ONLY CUT THE SLAB TO THE SIZE NECESSARY FOR THE PLUMBING INSTALLATION. AVOID EXCESSIVE CUTTING TO MINIMIZE THE STRUCTURAL IMPACT. ONCE THE PLUMBING INSTALLATION IS COMPLETE, REPAIR AND PATCH THE CUT PORTION OF THE SLAB WITH CONCRETE OR A SUITABLE REPAIR MATERIAL TO RESTORE THE SLAB'S STRENGTH AND APPEARANCE
19. ACOUSTIC CEILING: WHERE ONLY PORTION OF AN EXISTING CEILING SYSTEM IS INDICATED TO BE REMOVED, CAREFULLY REMOVE ONLY THE SECTIONS OF THE GRID THAT ARE NECESSARY FOR THE CEILING REMOVAL. THE REMAINING GRID SHOULD REMAIN INTACT AND UNDAMAGED UNLESS EXPLICITLY SPECIFIED FOR FURTHER ALTERATION.
20. DISCONNECT EXISTING LIGHTS, SMOKE DETECTORS, AND HVAC COMPONENTS BEFORE MODIFYING THE GRID.
21. REMOVE AND SALVAGE: DETACH ITEMS FROM EXISTING CONSTRUCTION, IN A MANNER TO PREVENT DAMAGE, AND DELIVER TO OWNER READY FOR REUSE.

DEMOLITION KEY NOTES LEGEND

SYMBOL INDICATES DEMO KEY NOTE

KEY #	DESCRIPTION
1	REMOVE EXISTING CASEWORK AND COUNTER TOP. PATCH AND REPAIR WALL WHERE NEEDED.
2	REMOVE ALL KITCHEN APPLIANCES SUCH AS OVENS AND RANGES.
3	REMOVE (E) WASHER AND DRYER TO BE REMOVED AND ALL ASSOCIATED PLUMBING TO BE CAPPED. SEE PLANS ON A2.01 FOR NEW WASHER/DRYER LOCATION.
4	REMOVE (E) SINK - SEE PLUMBING
5	REMOVE AND SALVAGE EXISTING WALL MOUNTED TACK BOARD, REINSTALL OR FURNISH TO OWNER.
6	EXISTING BLINDS AND WINDOW SILLS TO REMAIN, PROTECT FROM DIRT/DEBRIS & DAMAGE.
7	REMOVE EXISTING FLOOR FINISH DOWN TO SUBFLOOR. REPAIR & PREP FLOOR TO CREATE SMOOTH, LEVEL CONTINUOUS SURFACE TO ACCOMODATE NEW FLOORING, INCLUDING FLASH PATCHING & SELF-LEVELING OF CONCRETE SLAB.
8	EXISTING SHELVING RACKS AND/OR BOOK CASES TO BE REMOVED. CONTRACTOR TO TURN OVER TO OWNER.
9	EXISTING DOOR, FRAME & HARDWARE TO REMAIN. SCRAPE, SAND, SMOOTH, PREPARE, & PAINT EXISTING DOOR FRAME.
10	REFRIGERATOR TO BE REMOVED.
11	CUT OUT POCKET IN CMU FOR INSTALLATION OF BEAM. PROVIDE GROUT PLACEMENT OPENINGS AND CLEANOUTS AS REQUIRED TO ACCESS EACH CELL WITHIN THE INDICATED GROUTED BEARING ZONE. REMOVE MORTAR DROPPINGS, DEBRIS, AND OBSTRUCTIONS. VERIFY CONTINUOUS, UNOBSTRUCTED GROUT SPACES THROUGHOUT THE INDICATED HEIGHT. REPORT CONDITIONS THAT PREVENT COMPLETE GROUTING OF WALL BEFORE PROCEEDING.
12	REMOVE (E) WALL PANEL DOWN TO (E) CMU WALL. REMOVE EXISTING PANEL BOARD AND ANY FURRING TO EXPOSE EXISTING CMU WALL. REMOVE ALL RESIDUAL ADHESIVE, SCRAPE AND CLEAN SURFACE, AND PATCH AS REQUIRED TO PROVIDE A SOUND, SMOOTH SUBSTRATE FOR NEW PAINT.
13	REMOVE EXISTING DOOR AND FRAME IN ITS ENTIRETY. MODIFY EXISTING CMU WALL OPENING. FRAME EXISTING OPENING ACCORDING TO DETAIL 7/A6.01. PREPARE FRAME FOR NEW PAINT, PT-4.
14	AREA NOT IN SCOPE OF WORK
15	REMOVE AND SALVAGE EXISTING FIRE ALARM HORN/STROBE FOR REINSTALLATION. PROTECT DURING CONSTRUCTION. COORDINATE DISCONNECTION, STORAGE, AND REINSTALLATION WITH FIRE ALARM CONTRACTOR.
16	REMOVE AND SALVAGE EXISTING CLOCK/INTERCOM ASSEMBLY FOR REINSTALLATION. PROTECT DURING CONSTRUCTION AND COORDINATE DISCONNECTION, REINSTALLATION, AND TESTING WITH ELECTRICAL CONTRACTOR AND DISTRICT.
17	REMOVE EXISTING DOOR AND FRAME IN THEIR ENTIRETY. MODIFY THE EXISTING CMU WALL OPENING AND HEADER AS REQUIRED TO ACCOMMODATE THE RELOCATED OPENING. PROVIDE NEW 8-INCH-HIGH, FULL-DEPTH CMU LINTEL IN ACCORDANCE WITH THE HEAD DETAIL, WITH MINIMUM END BEARING AT EACH SUPPORT. INFILL THE ABANDONED OPENING WITH CMU MATCHING THE EXISTING WALL CONSTRUCTION, TOOTH NEW CMU INTO EXISTING COURSING, AND FULLY GROUT TO MATCH ADJACENT CONSTRUCTION. PATCH AND PREPARE THE WALL SURFACE FOR NEW PAINT FINISH.
18	SAWCUT FLOOR FOR PROPOSED PLUMBING. SEE PLUMBING DRAWINGS FOR SCOPE OF WORK.
19	CORE DRILL THROUGH EXISTING BRICK VENEER, AIR CAVITY, AND CMU BACKUP WALL. PROVIDE SHEET METAL SLEEVE AND FLASH/SEAL PENETRATION AT EXTERIOR VENEER AND INTERIOR BACKUP WALL TO PREVENT WATER INFILTRATION INTO CAVITY. MAINTAIN CONTINUITY OF AIR AND MOISTURE BARRIERS. REPAIR DAMAGED MASONRY AND MORTAR JOINTS TO MATCH EXISTING ADJACENT CONSTRUCTION.

REFLECTED CEILING DEMOLITION KEY NOTES

SYMBOL INDICATES DEMO KEY NOTE

KEY #	DESCRIPTION
1	REMOVE 2X4 ACT CEILING, SUSPENSION SYSTEM, AND LIGHTING IN ITS ENTIRETY.
2	REFER TO MECHANICAL DRAWINGS FOR MECHANICAL DEMOLITION SCOPE OF WORK.
3	REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL & FIRE SAFETY DEMOLITION SCOPE OF WORK.
4	REMOVE EXISTING OVERHEAD SOFFIT AND ASSOCIATED FRAMING.
5	REMOVE EXISTING PENDANT LIGHTING FOR INSTALL OF NEW DROP ACT CEILING AND LIGHTING.
6	AREA NOT IN SCOPE- FIELD VERIFY EXISTING LIGHT FIXTURES AND SUPPORTS AT THE CEILING TRANSITION ALONG THE NEW WALL. TEMPORARILY REMOVE AND SALVAGE AFFECTED FIXTURES AS REQUIRED FOR WALL CONSTRUCTION. COORDINATE REINSTALLATION OR RELOCATION WITH ELECTRICAL DRAWINGS; MODIFY SUPPORTS AND WIRING AS REQUIRED AND RESTORE FULL OPERATION.

KEY PLAN

NORTH

State Project #: 05-1280-070-27-1000

NJ Certificate of Authorization	
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Arch. Nos.	21AC00012400
Date	11/10/2026
Checked	KDA
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Title REGISTERED ARCHITECT License No. NJ21AI02051300

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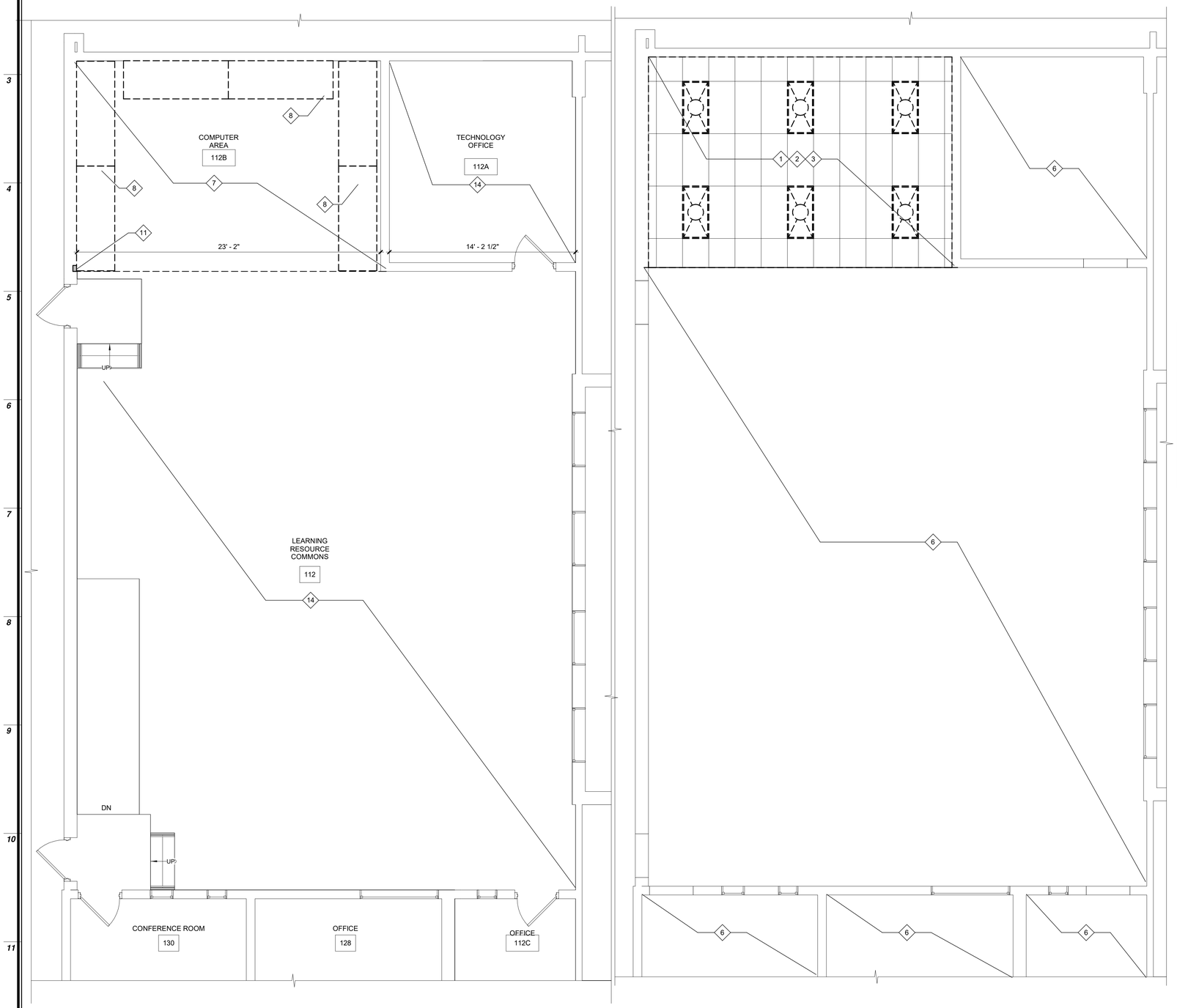
DEMOLITION PLAN - FACULTY LOUNGE & STORAGE
INTERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
300 DELANCO ROAD, EDGEWATER PARK NJ 08010

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1018 Laurel Oak Road Ste 11, Voorhees, NJ 08043 | t. 856-375-27001 | f. 201-447-1233

Job No. 2.20554.3

File No.

A1.01



1 A1.02 1ST FLOOR DEMOLITION PLAN LEARNING RESOURCE COMMONS
1/4" = 1'-0"

2 A1.02 1ST FLOOR DEMOLITION RCP LEARNING RESOURCE COMMONS
1/4" = 1'-0"

DEMOLITION KEY NOTES LEGEND

SYMBOL INDICATES DEMO KEY NOTE

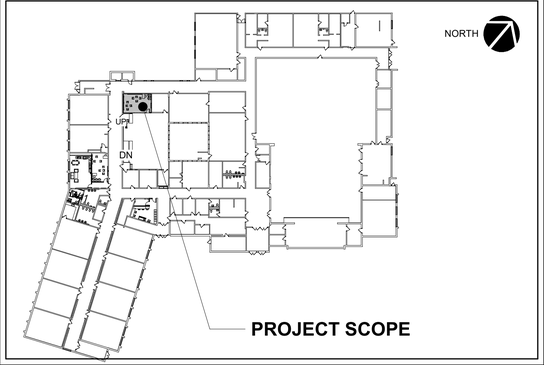
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1	REMOVE EXISTING CASEWORK AND COUNTER TOP. PATCH AND REPAIR WALL WHERE NEEDED.
2	REMOVE ALL KITCHEN APPLIANCES SUCH AS OVENS AND RANGES.
3	REMOVE (E) WASHER AND DRYER TO BE REMOVED AND ALL ASSOCIATED PLUMBING TO BE CAPPED. SEE PLANS ON A2.01 FOR NEW WASHER/DRYER LOCATION.
4	REMOVE (E) SINK - SEE PLUMBING
5	REMOVE AND SALVAGE EXISTING WALL MOUNTED TACK BOARD, REINSTALL OR FURNISH TO OWNER.
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14	AREA NOT IN SCOPE OF WORK
15	REMOVE AND SALVAGE EXISTING FIRE ALARM HORN/STROBE FOR REINSTALLATION. PROTECT DURING CONSTRUCTION. COORDINATE DISCONNECTION, STORAGE, AND REINSTALLATION WITH FIRE ALARM CONTRACTOR.
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REFLECTED CEILING DEMOLITION KEY NOTES

SYMBOL INDICATES DEMO KEY NOTE

KEY #	DESCRIPTION
1	REMOVE 2X4 ACT CEILING, SUSPENSION SYSTEM, AND LIGHTING IN ITS ENTIRETY.
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3	REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL & FIRE SAFETY DEMOLITION SCOPE OF WORK.
4	REMOVE EXISTING OVERHEAD SOFFIT AND ASSOCIATED FRAMING.
5	REMOVE EXISTING PENDANT LIGHTING FOR INSTALL OF NEW DROP ACT CEILING AND LIGHTING.
6	AREA NOT IN SCOPE- FIELD VERIFY EXISTING LIGHT FIXTURES AND SUPPORTS AT THE CEILING TRANSITION ALONG THE NEW WALL. TEMPORARILY REMOVE AND SALVAGE AFFECTED FIXTURES AS REQUIRED FOR WALL CONSTRUCTION. COORDINATE REINSTALLATION OR RELOCATION WITH ELECTRICAL DRAWINGS; MODIFY SUPPORTS AND WIRING AS REQUIRED AND RESTORE FULL OPERATION.

KEY PLAN



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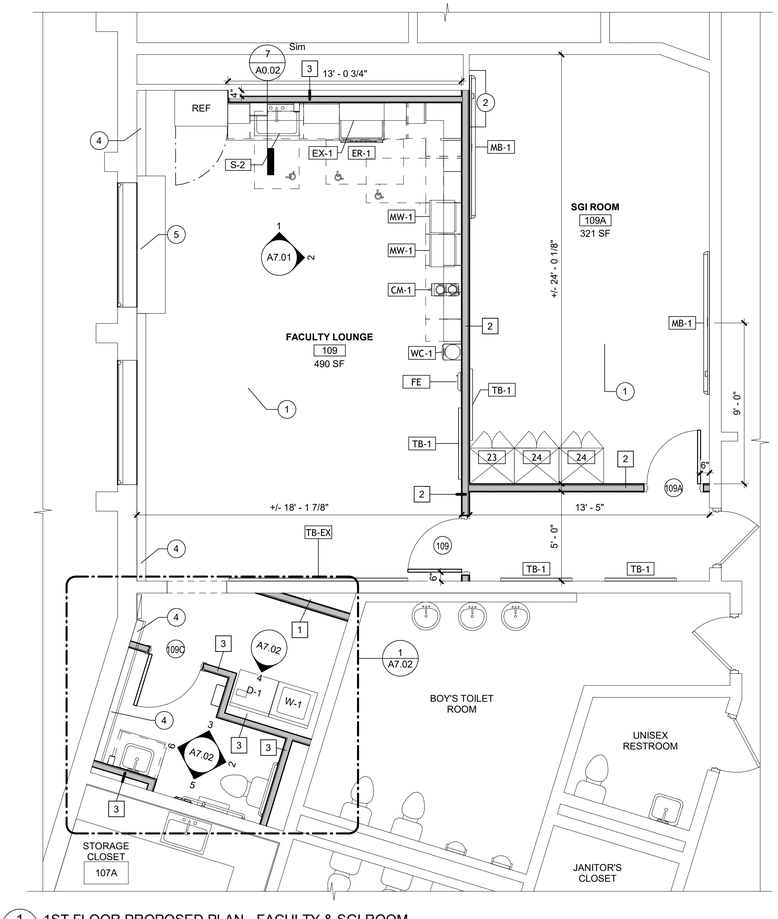
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DEMOLITION PLAN - LEARNING RESOURCE COMMONS
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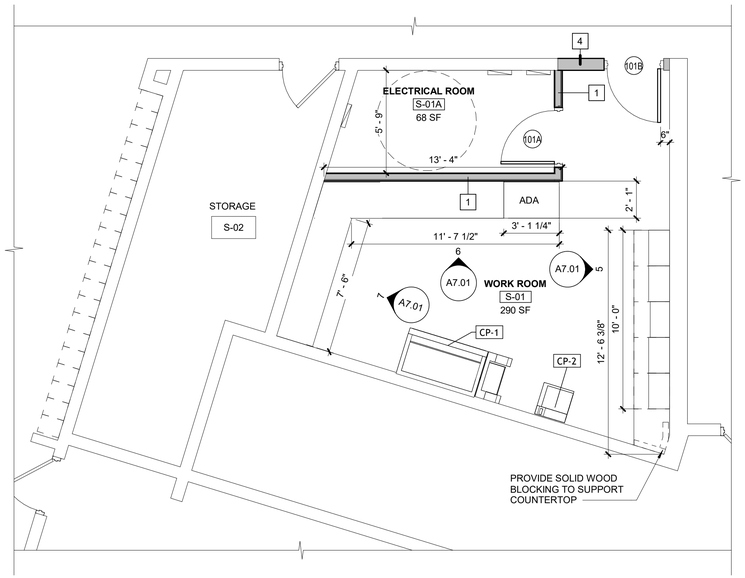
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File No.

A1.02

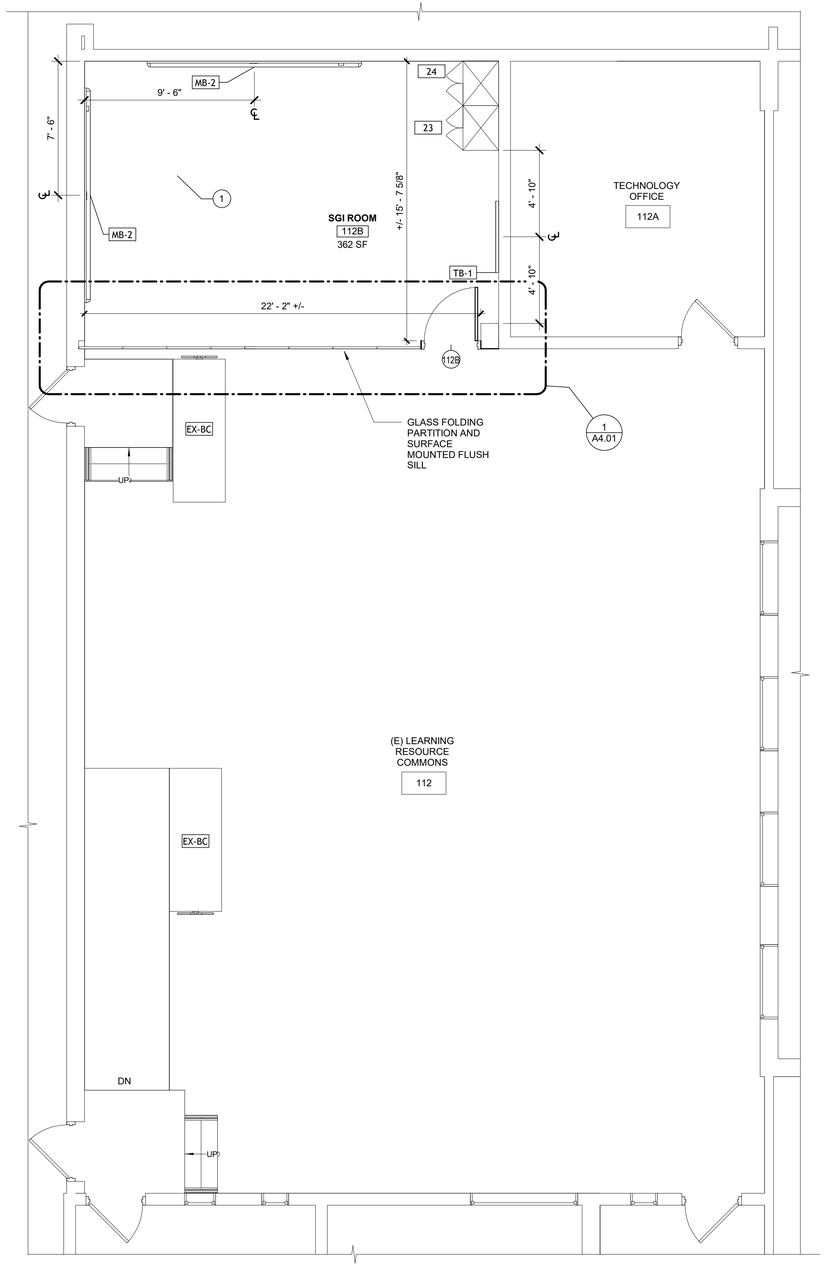
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1 A2.01 1ST FLOOR PROPOSED PLAN - FACULTY & SGI ROOM
1/4" = 1'-0"



2 A2.01 1ST FLOOR PROPOSED PLAN - WORK ROOM
1/4" = 1'-0"



3 A2.01 1ST FLOOR PROPOSED PLAN - LEARNING RESOURCE COMMONS & SGI
1/4" = 1'-0"

CONSTRUCTION KEY NOTES LEGEND

(#) SYMBOL INDICATES CONST. KEY NOTE

KEY #	DESCRIPTION
1	LOOSE FURNITURE SHOWN ON A8.01. (OFOI).
2	ALIGN FINISHED WALL WITH EXISTING.
3	NOT USED
4	EXISTING FIN TUBE TO REMAIN, SAND SMOOTH & REPAINT.
5	EXISTING UNIT VENTILATOR TO REMAIN, SAND SMOOTH & REPAINT.

EQUIPMENT AND ACCESSORY SCHEDULE

Type Mark	DESCRIPTION
CM-1	COFFEE MAKER
CP-1	COPIER (OFOI)
CP-2	COPIER (OFOI)
D-1	DRYER (EXISTING TO BE RELOCATED, OFCI)
EH-1	EXHAUST HOOD
ER-1	ELECTRICAL RANGE
EX-BC	EXISTING BOOKCASES - SALVAGED FOR RE-INSTALL BY GC.
FE	RECESSED FIRE EXTINGUISHER
GB-1	18" VERTICAL, 36" REAR & 42" SIDE ADA GRAB BARS W/ SAFETY GRIP FINISH BY BOBRICK OR APPROVED EQUAL
M-1	MIRROR 2'-0" X 3'-0" WITH TEMPERED SAFETY GLASS BY BOBRICK B2908, OR APPROVED EQUAL.
MB-1	8'-0" MARKER BOARD
MB-2	12'-0" MARKER BOARD
MW-1	COUNTERTOP MICROWAVE
PD-1	PAPER TOWEL DISPENSER (OFCI)
RF-1	REFRIGERATOR
SD-1	SURFACE MOUNTED SOAP DISPENSE (OFCI)
SH-1	48wx12d STAINLESS STEEL SHELVING. MODEL H-7499 BY ULINE, OR APPROVED EQUAL
SN-1	SANITARY NAPKIN DISPOSAL, B-254
TB-1	4'-0" TACK BOARD
TB-EX	EXISTING TACK BOARD
TC-1	SURFACE MOUNTED STAIN STEEL WASTE BIN
TP-1	TOILET TISSUE DISPENSER, (OFCI)
W-1	WASHER (EXISTING TO BE RELOCATED, OFCI)
WC-1	WATER COOLER (OFCI)

NOTES: PRODUCT MODEL NUMBERS INDICATED ARE BASIS OF DESIGN. PRODUCTS BY BOBRICK WASHROOM EQUIPMENT, INC. OR APPROVED EQUAL MAY BE PROVIDED.

FLOOR PLAN GENERAL NOTES

1. REFER TO ENLARGED FLOOR PLANS FOR MORE INTERIOR PARTITION TYPE TAGS, AND DIMENSIONS.
2. ALL INTERIOR PARTITIONS WITHOUT PARTITION TYPE TAGS SHALL BE PARTITION TYPE 1, UNLESS OTHERWISE NOTED.
3. UNLESS OTHERWISE NOTED, ALL INTERIOR DIMENSIONS ARE FROM FINISH FACE OF WALL TO FINISH FACE OF WALL.
4. UNLESS OTHERWISE NOTED, REFER TO EGRESS PLANS FOR LOCATIONS AND TYPES OF FIRE EXTINGUISHER AND FIRE EXTINGUISHER CABINET.
5. UNLESS OTHERWISE NOTED, CONTRACTOR TO PROVIDE ALL BUILT-IN CASEWORK AND MILLWORK.
6. UNLESS OTHERWISE NOTED, ALL LOOSE FURNITURE TO BE FURNISHED BY OWNER (N.I.C.). REFER TO FURNITURE PLANS FOR MORE INFORMATION.
7. ALL INTERIOR PARTITIONS SHALL EXTEND FULLY FROM FLOOR TO FLOOR/ROOF DECK ABOVE (U.O.N.)
8. ALL APPLIANCES SHOWN ON EQUIPMENT AND ACCESSORY SCHEDULE (UNLESS OTHERWISE NOTED) SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

SYMBOL LEGEND

(#) — DENOTES PARTITION TYPE. REFER TO DRAWING A4.01.

NJ Certificate of Authorization	
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Arch. Nos.	21AC00012400
Date	11/10/2026
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RONALD W. SCHWENKE III, R.A.
License No. NJ21A02051300
Title REGISTERED ARCHITECT

Date	Description
11/10/26	ISSUE FOR BID

State Project #: 05-1280-070-27-1000

LAN ASSOCIATES
Engineering, Planning, Architecture, Surveying Inc.
1018 Laurel Oak Road Ste 11, Voorhees, NJ 08043 | t. 856-375-2701 | f. 201-447-1233

PROPOSED FLOOR PLAN
INTERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
300 DELANCO ROAD, EDGEWATER PARK NJ 08010

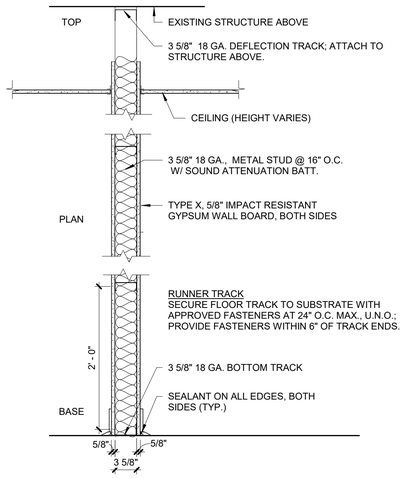
Job No. 2.20554.3
File No.

A2.01

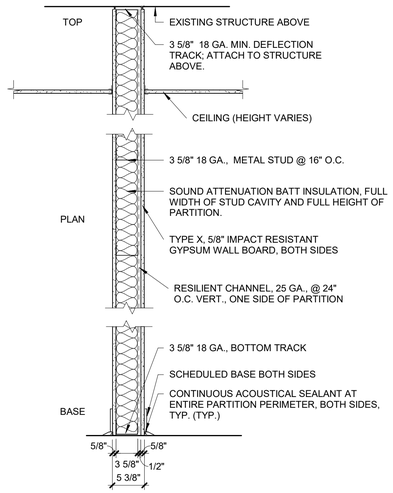
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PARTITION TYPES

TYPE 1 — INTERIOR NON-LOAD BEARING - METAL STUD

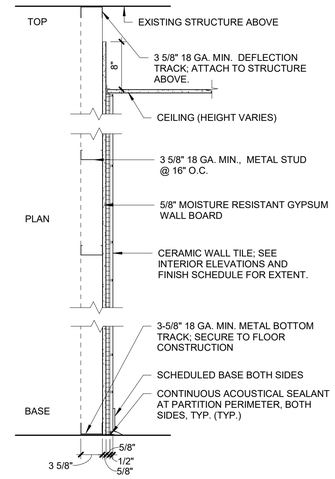


TYPE 2 — ACOUSTIC INTERIOR PARTITION NON-LOAD BEARING, STC = 50 UL 419

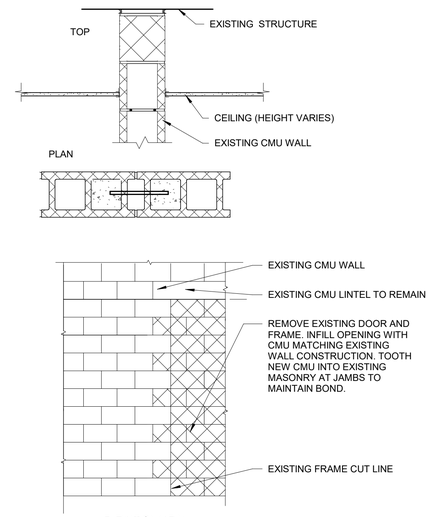


TYPE 3 — CHASE WALL CHASE WALL WITH CERAMIC TILE

TYPE 3A — SAME AS TYPE 3, OMIT CERAMIC TILE



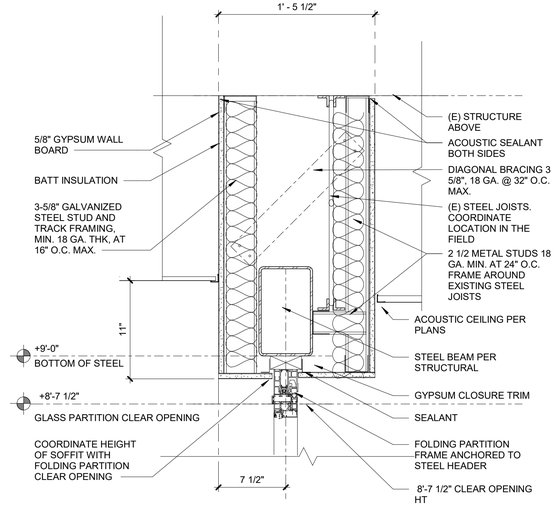
TYPE 4 — NON-LOAD BEARING - 1-HR RATED, 8" MASONRY CMU BLOCK WALL



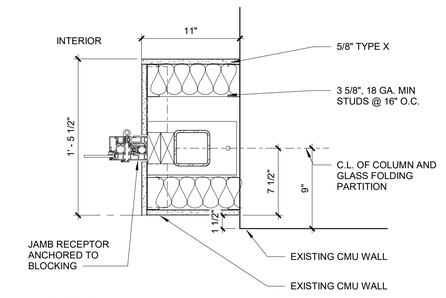
PARTITION TYPE NOTES:

1. GENERAL: REFER TO FINISH SCHEDULE
2. TYPE 2: SEAL PENETRATIONS ACOUSTICALLY. OFFSET ELECTRICAL BOXES ON OPPOSITE SIDES OF PARTITION; DO NOT INSTALL BACK-TO-BACK.
3. TYPE 2: ACOUSTIC PARTITION ASSEMBLY SHALL ACHIEVE STC 50 MIN. PROVIDE MATERIALS, STUD SPACING, RESILIENT CHANNEL, FASTENING, INSULATION, GYPSUM BOARD, AND PERIMETER SEALING IN ACCORDANCE WITH TESTED ASSEMBLY.
4. STUD GAUGE AS REQUIRED FOR PARTITION HEIGHT AND DESIGN CRITERIA.
5. PROVIDE BLOCKING AND REINFORCEMENT FOR WALL-MOUNTED FIXTURES AND ACCESSORIES; COORDINATE WITH PLUMBING FIXTURE SUPPORTS/CARRIERS.
6. TYPE 4-INFILL DOOR OPENING WITH CMU MATCHING EXISTING WALL CONSTRUCTION. TOOTH NEW CMU INTO EXISTING MASONRY COURSING AND PROVIDE EPOXY-SET DOWELS AT JAMBS AND REINFORCING TO TIE NEW MASONRY TO EXISTING WALL. FULLY GROUT REINFORCED CELLS. PATCH, REPAIR, AND PREPARE WALL FOR PAINTING.

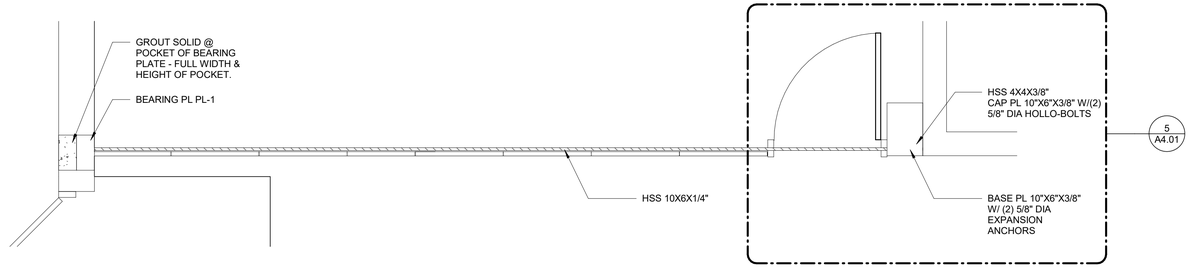
7 / A4.01 — CMU INFILL DETAIL
3/8" = 1'-0"



4 / A4.01 — HEAD DETAIL-FOLDING PARTITION
1 1/2" = 1'-0"



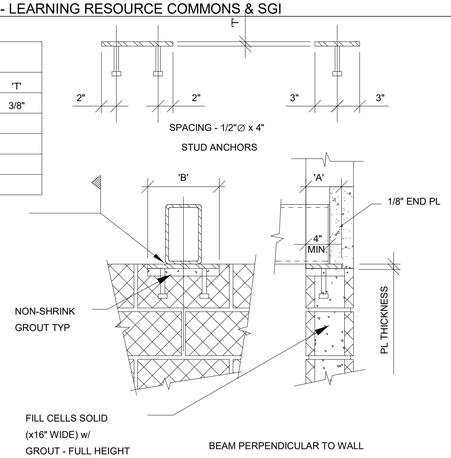
5 / A4.01 — JAMB DETAIL AT FOLDING PARTITION DOOR
1 1/2" = 1'-0"



1 / A4.01 — 1ST FLOOR STRUCTURAL PROPOSED PLAN - LEARNING RESOURCE COMMONS & SGI
1/2" = 1'-0"

BEARING PL SCHEDULE

MARK	BEAM SIZE	'A'	'B'	'T'
PL1	HSS 10x6x1/4	6"	8"	3/8"



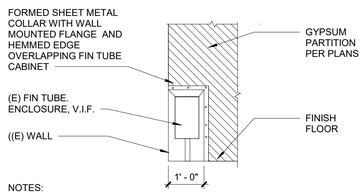
2 / A4.01 — STEEL BM CMU WALL BEARING DETAILS
1" = 1'-0"

CONSTRUCTION NOTES:

EXISTING CMU WALL—NEW BEAM POCKET AND GROUTED BEARING:

1. FIELD VERIFY EXISTING WALL THICKNESS, MASONRY CONDITION, CELL CONFIGURATION, REINFORCEMENT, AND EXISTING GROUT BEFORE CUTTING. NOTIFY ARCHITECT/STRUCTURAL ENGINEER OF CONDITIONS THAT DIFFER FROM THE DETAILS.
2. PROVIDE TEMPORARY SHORING AND BRACING AS REQUIRED TO SUPPORT EXISTING MASONRY AND SUPPORTED CONSTRUCTION DURING POCKET FORMATION AND BEAM INSTALLATION. MAINTAIN SUPPORT UNTIL PERMANENT WORK HAS ACHIEVED THE REQUIRED STRENGTH.
3. CAREFULLY SAWCUT AND REMOVE EXISTING CMU TO FORM BEAM POCKET TO DIMENSIONS SHOWN. AVOID OVERCUTTING AND DAMAGE TO ADJACENT MASONRY. DO NOT CUT EXISTING REINFORCEMENT WITHOUT STRUCTURAL ENGINEER'S WRITTEN DIRECTION.
4. PROVIDE GROUT PLACEMENT OPENINGS AND CLEANOUTS AS REQUIRED TO ACCESS EACH CELL WITHIN THE INDICATED GROUTED BEARING ZONE. REMOVE MORTAR DROPPINGS, DEBRIS, AND OBSTRUCTIONS. VERIFY CONTINUOUS, UNOBSTRUCTED GROUT SPACES THROUGHOUT THE INDICATED HEIGHT. REPORT CONDITIONS THAT PREVENT COMPLETE GROUTING BEFORE PROCEEDING.
5. GROUT ALL CELLS SOLID WITHIN THE WIDTH AND VERTICAL EXTENT SHOWN ON STRUCTURAL DETAILS. PROVIDE REINFORCEMENT AND DOWELS AS DETAILED. DO NOT TERMINATE GROUT ABOVE THE INDICATED SUPPORT ELEVATION OR ON UNVERIFIED EXISTING FILL.
6. PROVIDE MASONRY GROUT COMPLYING WITH ASTM C476, WITH STRENGTH 5,000 PSI SELF-CONSOLIDATING GROUT. SELECT GROUT TYPE APPROPRIATE TO THE AVAILABLE CELL DIMENSIONS AND REINFORCEMENT CLEARANCES. PLACE, CONSOLIDATE, AND RECONSOLIDATE IN ACCORDANCE WITH THE PROJECT-ADOPTED TMS 602 REQUIREMENTS.
7. SET STEEL BEARING PLATE ON A CONTINUOUS BED OF NONMETALLIC, NONSHRINK GROUT COMPLYING WITH ASTM C1107. PROVIDE FULL CONTACT BENEATH THE ENTIRE PLATE. PLATE SIZE, BEDDING THICKNESS, ANCHORAGE, AND BEAM CONNECTION SHALL BE AS DETAILED.
8. DO NOT TRANSFER BEAM LOAD TO THE NEW BEARING UNTIL MASONRY GROUT AND PLATE BEDDING GROUT HAVE ACHIEVED THE STRENGTH REQUIRED BY THE STRUCTURAL ENGINEER.
9. REBUILD AND PATCH ACCESS OPENINGS AND DISTURBED MASONRY TO MATCH EXISTING. CLOSE BEAM POCKET AROUND STEEL AS DETAILED, MAINTAINING REQUIRED MOVEMENT CLEARANCES, FIRE-RESISTANCE RATING, AND FINISHES.

3 / A4.01 — STEEL AND CMU BEARING NOTES
1/4" = 1'-0"



NOTES:

1. PROVIDE TWO-PIECE, REMOVABLE, FORMED ALUMINUM CLOSURE TRIM AT EACH FACE OF PARTITION. FIELD VERIFY EXISTING ENCLOSURE PROFILE BEFORE FABRICATION. PROVIDE HEMMED EXPOSED EDGES AND PAINTED FINISH TO MATCH ENCLOSURE. SCREW-ATTACH TO PARTITION BACKING. OVERLAP ENCLOSURE WITH CLEARANCE FOR THERMAL MOVEMENT AND COVER REMOVAL. KEEP EXISTING AIR INLET AND DISCHARGE OPEN. COORDINATE FIT AND CLEARANCES WITH MECHANICAL.
2. PROVIDE MINERAL WOOL INFILL IN VOIDS BETWEEN FRAMED OPENING AND EXISTING FIN-TUBE ENCLOSURE, BEHIND REMOVABLE METAL CLOSURE TRIM. RETAIN INFILL WITHIN PARTITION. MAINTAIN CLEARANCES REQUIRED FOR AIRFLOW, THERMAL MOVEMENT, AND COVER REMOVAL. COORDINATE WITH MECHANICAL.

6 / A4.01 — WALL OPENING DETAIL AT FIN TUBE
1/2" = 1'-0"

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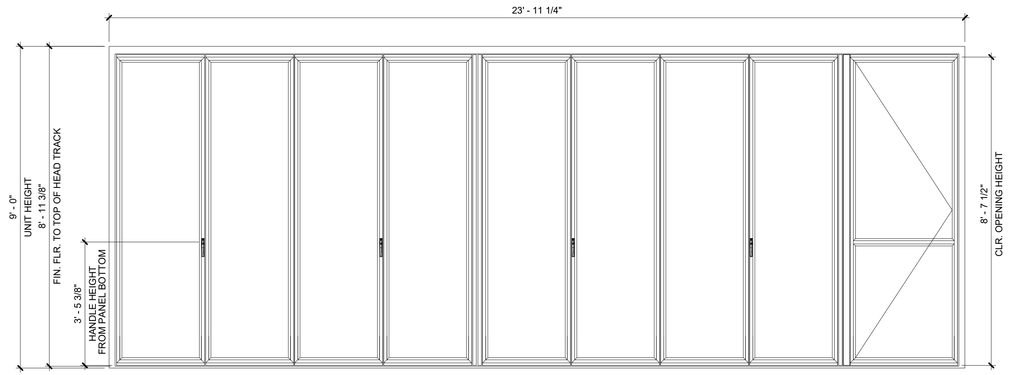
State Project #: 05-1280-070-27-1000

BUILDING SECTIONS
INTERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
300 DELANCO ROAD, EDGEWATER PARK NJ 08010

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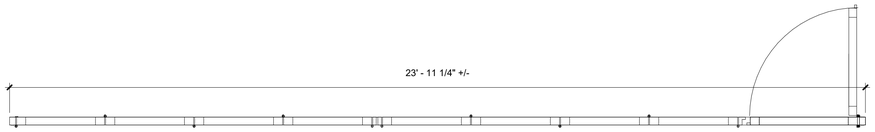
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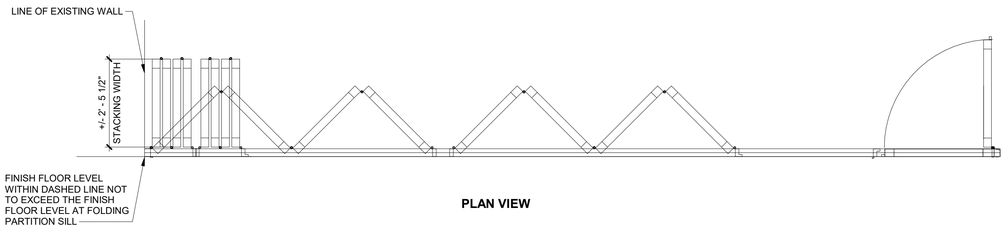
A4.01



INTERIOR ELEVATION

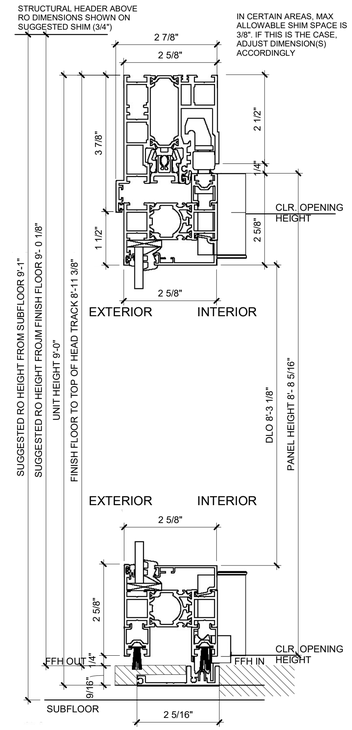
aLL PANELS TO BE EQUAL



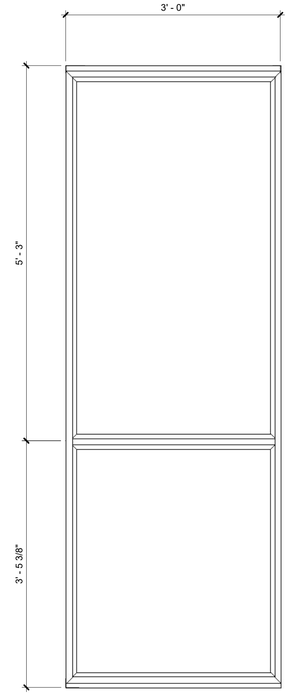


PLAN VIEW

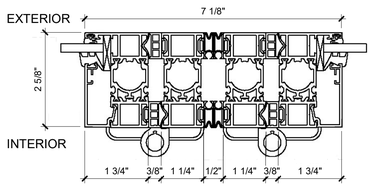
1 A4.02 GLASS FOLDING PARTITION PLAN AND ELEVATIONS
1/2" = 1'-0"



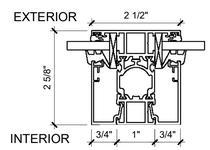
4 A4.02 VERTICAL SECTION - NANA WALL
N.T.S



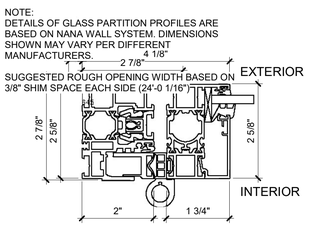
10 A4.02 MULLION DETAIL PANELS
1" = 1'-0"



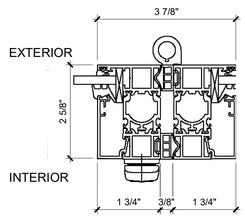
9 A4.02 FOLDING WITHOUT HANDLE AT 2 CONNECTIONS
6" = 1'-0"



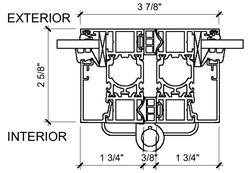
11 A4.02 MULLION DETAIL
6" = 1'-0"



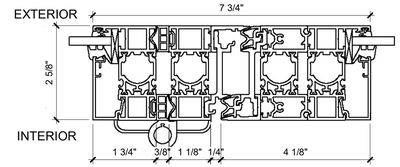
5 A4.02 JAMB DETAIL NANA WALL
N.T.S.



6 A4.02 FOLDING WITH HANDLE
6" = 1'-0"



7 A4.02 FOLDING WITHOUT HANDLE
6" = 1'-0"



8 A4.02 SWING PANEL RIGHT MEET FOLDING PANEL LEFT
6" = 1'-0"

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DETAILS

INTERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
300 DELANCO ROAD, EDGEWATER PARK NJ 08010

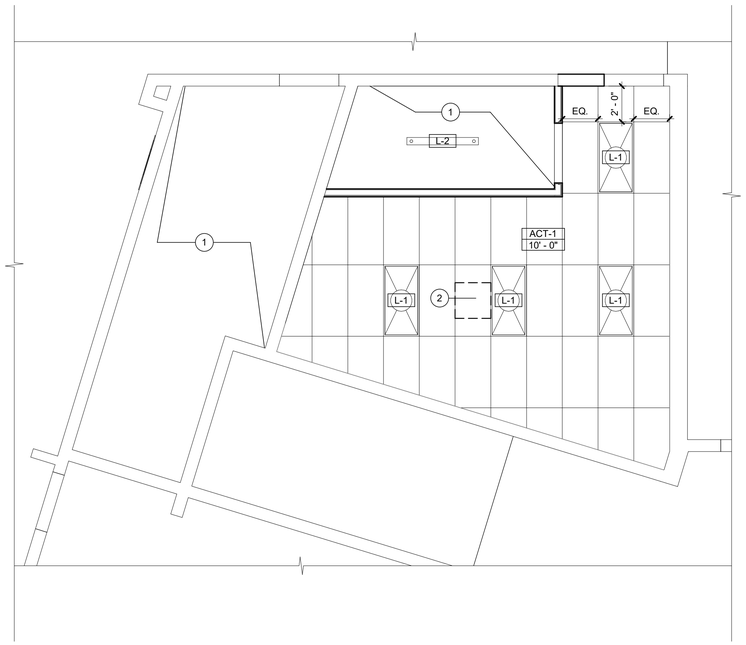
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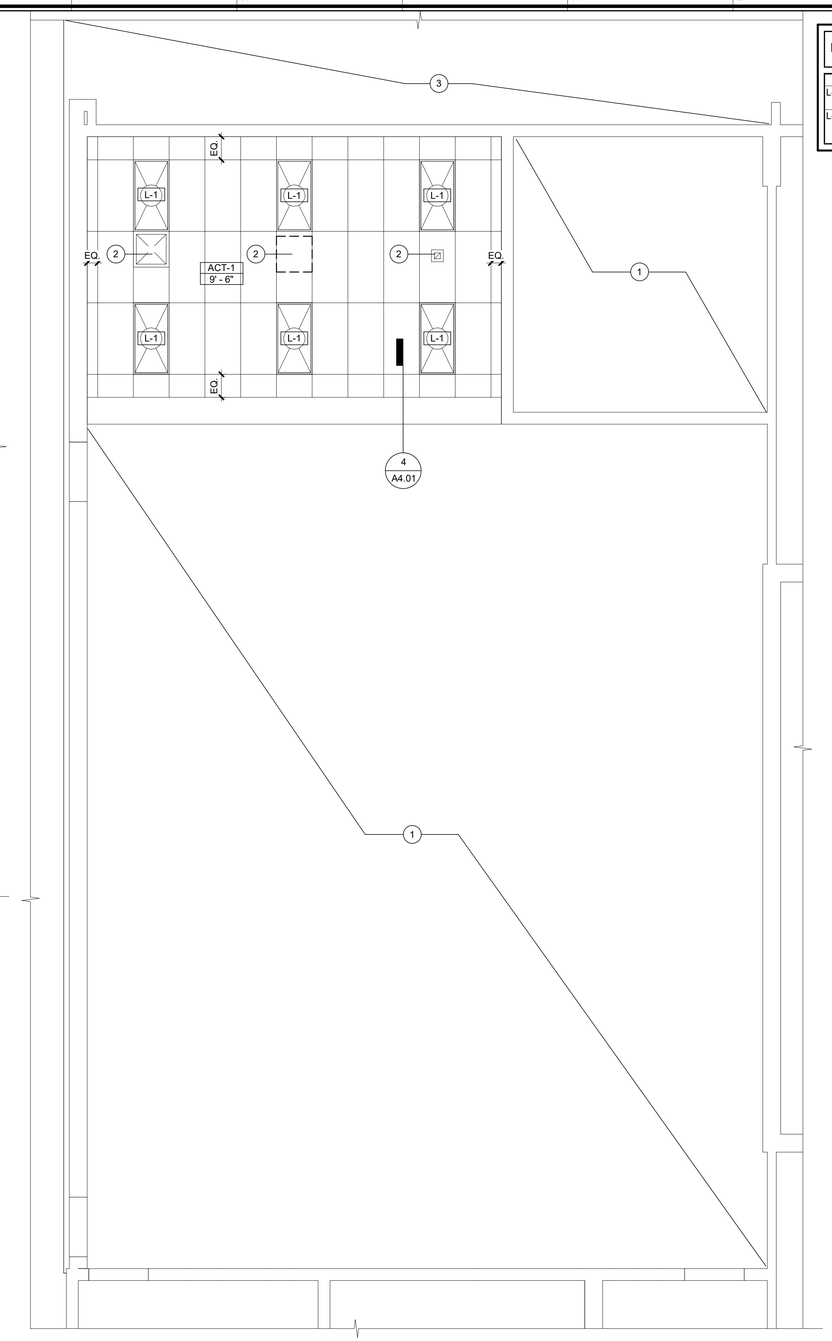
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1 A5.01 1ST FLOOR PROPOSED RCP - FACULTY LOUNGE & SGI
1/4" = 1'-0"



2 A5.01 1ST FLOOR PROPOSED RCP - WORK ROOM
1/4" = 1'-0"



3 A5.01 1ST FLOOR PROPOSED RCP - LEARNING RESOURCE COMMONS
1/4" = 1'-0"

LIGHTING SCHEDULE

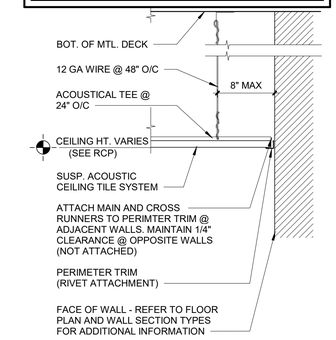
TYPE	DESCRIPTION
L-1	LSTE24 - 2X4 STRAUS LED RECESSED, 3500k, FORGRID LAY IN BY COLUMBIA LIGHTING OR APPROVED EQUAL
L-2	MPS - 4' LINEAR LED BY COLUMBIA LIGHTING, MODEL # MPS4-35ML-CW-EDU, 4', 80 CRI, 3500K, 4556 LUMENS, CURVED FROSTED ACRYLIC WIDE DISTRIBUTION LENS, 0–10V DIMMING DRIVER, 120–277V, 40W, 114 LPW, WHITE OR APPROVED EQUAL

LIGHTING LEGEND

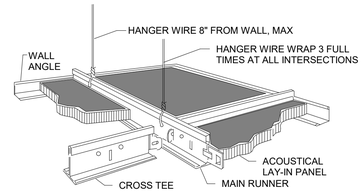
ACT-1 / 12' - 0" — CEILING TYPE / CEILING HEIGHT

SUSPENDED ACOUSTIC CEILING TILE
2X4 ACT- 1 SEE SPEC

GWB-1
5/8" PAINTED GYPSUM WALL BOARD ON METAL SUSPENSION SYSTEM



4 A5.01 TYP. SUP. ACOUSTICAL CLG. EDGE DETAIL
1 1/2" = 1'-0"



5 A5.01 TYP. SUSP. CEILING DETAIL
12" = 1'-0"

REFLECTED CEILING CONSTRUCTION KEY NOTES

SYMBOL INDICATES CONST. KEY NOTE

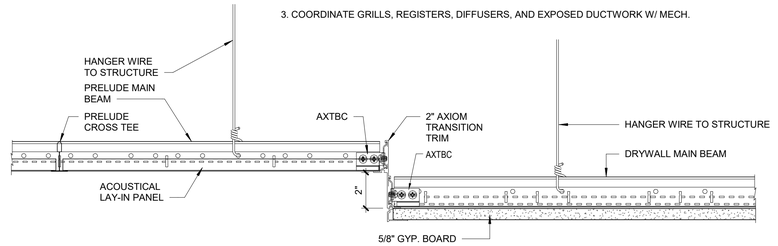
KEY #	DESCRIPTION
1	(E) TO REMAIN
2	MECHANICAL UNITS, SEE MECHANICAL PLANS FOR SCOPE OF WORK.
3	REMOVE AND REINSTALL CEILING TILES AND GRID WHERE NEEDED TO ACCOMMODATE MECHANICAL WORK. SEE MECHANICAL DRAWINGS FOR SCOPE OF WORK.

REFLECTED CEILING PLAN GENERAL NOTES

1. ALL INDICATED CEILING HEIGHTS ARE FROM TOP OF FINISHED FLOOR.

2. ALL SUSPENDED ACOUSTICAL CEILING TILED AREAS SHALL RECEIVE LAY-IN LED 2X4 FIXTURES, UNLESS OTHERWISE NOTED.

3. COORDINATE GRILLS, REGISTERS, DIFFUSERS, AND EXPOSED DUCTWORK W/ MECH.



6 A5.01 ACT TO GYP SOFFIT TRANSITION DETAIL
3" = 1'-0"

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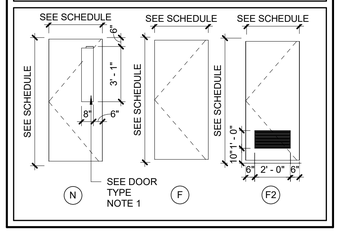
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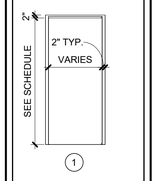
DOOR SCHEDULE

DOOR NO.	ROOM NAME	ROOM NO.	DOOR TYPE	DOOR MATERIAL	DOOR DIMENSIONS (W x H)	FRAME TYPE	FRAME MATERIAL	HEAD DETAIL	JAMB DETAIL	SADDLE DETAIL	GLAZING TYPE	FIRE RATING	HARDWARE SET	SIGNAGE TYPE	COMMENTS
1ST FLOOR															
101A	ELECTRICAL ROOM	S-01A	F2	HM	36" x 86"	1	HM	H1	J1	N/A			SEE SPEC.		
101B	WORK ROOM	S-01	N	WD	36" x 86"	1	HM	H2	J2	S1	FRG-1	20 MIN.	SEE SPEC.	1	
109	FACULTY LOUNGE	109	N	WD	36" x 86"	1	HM	H3	J3	S1	G-1		SEE SPEC.	1	
109A	SGI ROOM	109A	N	WD	36" x 86"	1	HM	H1	J1	S1	G-1		SEE SPEC.	2	
109B	FACULTY WASH ROOM	109C	OPENING		0" x 0"					S1					
109C	UNISEX BATHROOM	109B	F	WD	36" x 84"	1	HM	H1	J1	S2			SEE SPEC.	3	
LEARNING COMMONS															
112B	SGI ROOM	112B	-	ALUM.	36" x 84"	-	ALUM.	SEE A4.01	SEE A4.01	S3	G-2		SEE SPEC.	2	FULL GLASS DOOR, PER GLASS PARTITION MANUFACTURER STANDARD

DOOR TYPES



FRAME TYPES



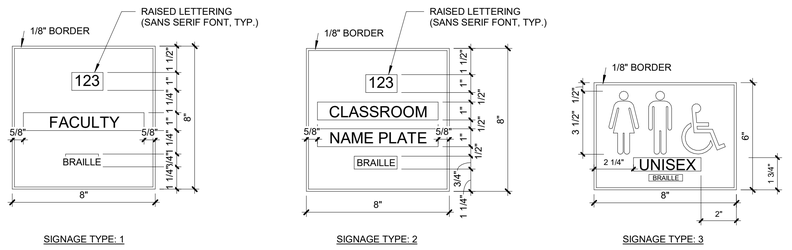
DOOR TYPE NOTES:

1. 8" × 3'-0" NOMINAL VISION LITE SHOWN. PROVIDE 20-MIN. FIRE-PROTECTION-RATED CATEGORY II SAFETY GLAZING AND LISTED GLAZING KIT. SIZE AND LOCATION SHALL COMPLY WITH LABELED FIRE-DOOR ASSEMBLY. NOTIFY ARCHITECT OF REQUIRED MODIFICATIONS BEFORE FABRICATION.

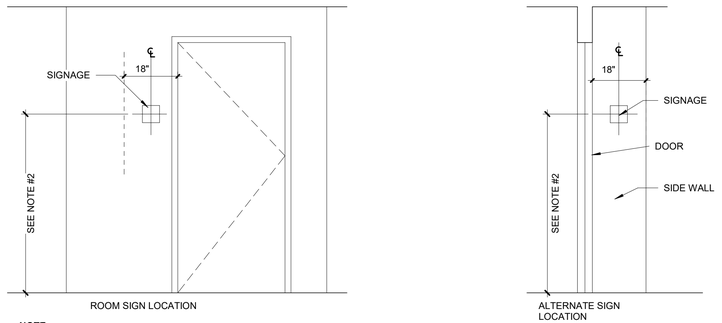
GLAZING TYPES

FRG-1	20-MIN. FIRE-RATED SAFETY GLAZING, CAT. II; SIZE AND ASSEMBLY PER LISTING.
G-1	1/4" SAFETY GLAZING
G-2	CLEAR TEMPERED. THICKNESS PER MANUFACTURER STANDARD TO ACHIEVE STC RATING. NOTED IN SECTION 102239.13 - FOLDING GLASS-PANEL PARTITIONS SPECIFICATION .

SIGNAGE TYPES



SIGNAGE TYPE: 1 | SIGNAGE TYPE: 2 | SIGNAGE TYPE: 3

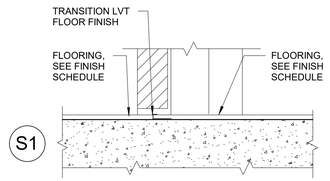


NOTE:

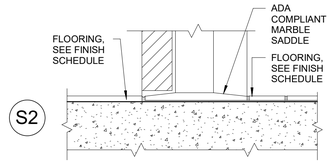
1. IF WALL LOCATION DOES NOT PERMIT FOR THE SIGN TO BE PLACED AS SHOWN, USE THE ALTERNATE SIGN LOCATION AND/OR COORDINATE W/ OWNER PRIOR TO INSTALLATION.

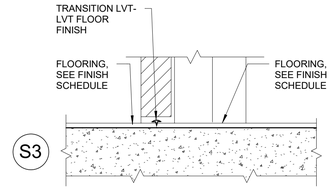
2. RAISED CHARACTERS SHALL BE 48" MIN. ABOVE THE FLOOR VIEWING POSITION, MEASURED TO THE BASELINE OF THE LOWEST RAISED CHARACTER AND 60": MAX. ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE HIGHEST RAISED CHARACTER. (PER TABLE 703.2.4 VISUAL CHARACTER HEIGHT)

1 A6.01 TYP. INTERIOR SIGNAGE LOCATION
1/2" = 1'-0"

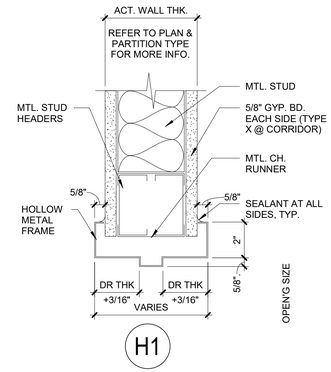


SADDLE NOTES:
1. TRANSITION STRIPS BASIS OF DESIGN: SCHLUTER®, OR APPROVED EQUAL
   A. VINPRO-S FOR LVT TO CARPET, ANODIZED ALUMINUM FINISH.
   B. VINPRO-T FOR LAVT TO LVT, TYP
2. COORDINATE PROFILE HEIGHT WITH FLOORING.

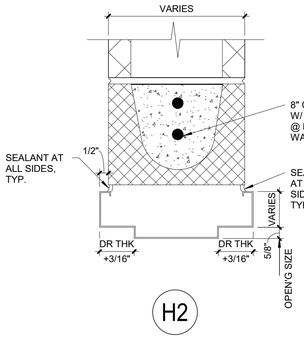




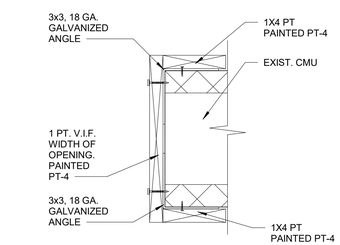
2 A6.01 TYP. SADDLE DETAILS
3" = 1'-0"



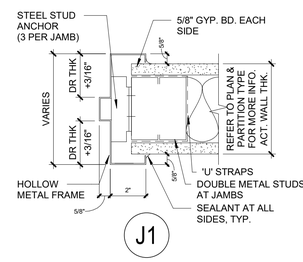
3 A6.01 H-1 HEAD DETAIL
3" = 1'-0"



5 A6.01 H-2 HEAD DETAIL
3" = 1'-0"



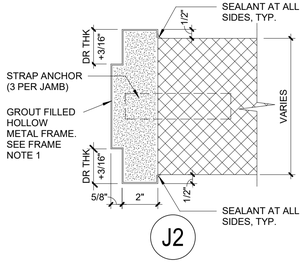
7 A6.01 FRAME DETAIL FOR DOOR OPENING 109B
3" = 1'-0"



4 A6.01 J-1 JAMB DETAIL
3" = 1'-0"

JAMB AND HEAD NOTES:

H1/J1 HEAD AND JAMB DETAILS SHOWN ARE FOR TYPE 1 PARTITION TYPE.
H3/J3 ARE SIMILAR AND DIMENSIONS VARY PER PARTITION TYPE PER PLANS.



6 A6.01 J-2 JAMB DETAIL
3" = 1'-0"

J-2/H2 DETAIL NOTES:

1-GROUT-FILL HOLLOW-METAL FRAME JAMBS; DO NOT GROUT HEAD UNLESS REQUIRED BY APPROVED FRAME ASSEMBLY. HAND-TROWEL GROUT AND BRACE FRAME TO PREVENT DISTORTION.

NJ Certificate of Authorization
Eng'r. Nos. 24GA27937500
Arch. Nos. 21AC00012400
Date 11/10/2026
Checked KDA
Drawn HLF

RONALD W. SCHWENKE III, R.A.
Title REGISTERED ARCHITECT License No. NJ21AI02051300

Date	Description
11/10/26	ISSUE FOR BID

LAN ASSOCIATES
Engineering, Planning, Architecture, Surveying Inc.
1018 Laurel Oak Road Ste 11, Voorhees, NJ 08043 t. 856-375-2701 f. 201-447-1233

DOOR SCHEDULE, DOOR TYPES & DETAILS
INTERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
300 DELANCO ROAD, EDGEWATER PARK NJ 08010

Job No. 2.20554.3
File No.

A6.01

State Project #: 05-1280-070-27-1000

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CASEWORK SCHEDULE

UNIT	MANUFACTURER, OR APPROVED EQUAL	CATALOG	DESCRIPTION	WIDTH	HEIGHT	DEPTH
01	TMI SYSTEMS	D1120	SINGLE DOOR BASE CABINET W/ 1 ADJ. SHELF AND 6" HIGH DRAWER	2' - 0"	2' - 6"	2' - 0"
02	TMI SYSTEMS	B2545	ADA COMPLIANT SINK CABINET WITH FRONT PANEL 4-1/2" HIGH	3' - 0"	2' - 8 3/4"	2' - 0"
03	TMI SYSTEMS	D4013	4 DRAWER BASE CABINET W/ 6" TOP DRAWER, & 3 EQUAL BELOW	1' - 3"	2' - 6"	2' - 0"
04	TMI SYSTEMS	B2361	CORNER BASE CABINET	3' - 0"	2' - 6"	2' - 0"
05	TMI SYSTEMS	B2545	ADA COMPLIANT CABINET WITH FRONT PANEL 4-1/2" HIGH	2' - 6"	2' - 8 3/4"	2' - 0"
06	TMI SYSTEMS	D1120	SINGLE DOOR BASE CABINET W/ 1 ADJ. SHELF AND 6" HIGH DRAWER	1' - 9"	2' - 6"	2' - 0"
07	TMI SYSTEMS	D1121	SINGLE DOOR BASE CABINET W/ 1 ADJ. SHELF AND 6" HIGH DRAWER	1' - 9"	2' - 6"	2' - 0"
08	TMI SYSTEMS	B2052	DOUBLE DOOR BASE CABINET WITH ONE ADJ SHELF	3' - 0"	2' - 6"	2' - 0"
09	TMI SYSTEMS	W2050	SINGLE DOOR WALL CABINET W/ ADJ. SHELF	1' - 9"	2' - 6"	1' - 0"
10	TMI SYSTEMS	W2050	SINGLE DOOR WALL CABINET W/ ADJ. SHELF	2' - 0"	2' - 6"	1' - 2"
11	TMI SYSTEMS	W2052	DOUBLE DOOR WALL CABINET WITH ADJ. SHELF	3' - 0"	2' - 6"	1' - 0"
12	TMI SYSTEMS	W2002	DOUBLE DOOR WALL CABINET	2' - 6"	1' - 6"	1' - 0"
13	TMI SYSTEMS	W2051	SINGLE DOOR WALL CABINET W/ ADJ. SHELF	1' - 3"	2' - 6"	1' - 0"
14	TMI SYSTEMS	W2051	SINGLE DOOR WALL CABINET W/ ADJ. SHELF	1' - 0"	2' - 6"	1' - 2"
15	TMI SYSTEMS	W2361	CORNER WALL CABINET		2' - 6"	1' - 0"
16	TMI SYSTEMS	W2051	SINGLE DOOR WALL CABINET W/ ADJ. SHELF	1' - 9"	2' - 6"	1' - 0"
17	TMI SYSTEMS	W2050	SINGLE DOOR WALL CABINET W/ ADJ. SHELF	1' - 6"	2' - 6"	1' - 0"
18	TMI SYSTEMS	W2051	SINGLE DOOR WALL CABINET W/ ADJ. SHELF	1' - 6"	2' - 6"	1' - 0"
19	TMI SYSTEMS	D1121	SINGLE DOOR BASE CABINET W/ 1 ADJ. SHELF AND 6" HIGH DRAWER	2' - 0"	2' - 6"	2' - 0"
20	TMI SYSTEMS	D4013	4 DRAWER BASE CABINET W/ 6" TOP DRAWER, & 3 EQUAL BELOW	2' - 0"	2' - 6"	2' - 0"
21	TMI SYSTEMS	W2051	SINGLE DOOR WALL CABINET W/ ADJ. SHELF	2' - 0"	2' - 6"	1' - 2"
22	TMI SYSTEMS	W1200	OPEN WALL CABINET WITH 2 FIXED SHELVES	2' - 0"	2' - 6"	1' - 1"
23	TMI SYSTEMS	T2572	TALL DOUBLE DOOR WARDROBE W/ TOP SHELF AND COAT RACK (LOCKABLE)	2' - 6"	7' - 0"	2' - 0"
24	TMI SYSTEMS	T2052	TALL DOUBLE DOOR CABINET WITH 5 ADJ. SHELVES	2' - 6"	7' - 0"	2' - 0"
25	TMI SYSTEMS	W2050	SINGLE DOOR WALL CABINET W/ ADJ. SHELF	1' - 3"	2' - 6"	1' - 2"

EQUIPMENT & ACCESSORY SCHEDULE

Type Mark	DESCRIPTION
CM-1	COFFEE MAKER
CP-1	COPIER (OFOI)
CP-2	COPIER (OFOI)
D-1	DRYER (EXISTING TO BE RELOCATED, OFCI)
EH-1	EXHAUST HOOD
ER-1	ELECTRICAL RANGE
EX-BC	EXISTING BOOKCASES - SALVAGED FOR RE-INSTALL BY GC.
FE	RECESSED FIRE EXTINGUISHER
GB-1	18" VERTICAL, 36" REAR & 42" SIDE ADA GRAB BARS W/ SAFETY GRIP FINISH BY BOBRICK OR APPROVED EQUAL
M-1	MIRROR 2'-0" X 3'-0" WITH TEMPERED SAFETY GLASS BY BOBRICK B2908, OR APPROVED EQUAL.
MB-1	8'-0" MARKER BOARD
MB-2	12'-0" MARKER BOARD
MW-1	COUNTERTOP MICROWAVE
PD-1	PAPER TOWEL DISPENSER (OFCI)
RF-1	REFRIGERATOR
SD-1	SURFACE MOUNTED SOAP DISPENSE (OFCI)
SH-1	48wx12d STAINLESS STEEL SHELVING. MODEL H-7499 BY ULINE, OR APPROVED EQUAL
SN-1	SANITARY NAPKIN DISPOSAL, B-254
TB-1	4'-0" TACK BOARD
TB-EX	EXISTING TACK BOARD
TC-1	SURFACE MOUNTED STAIN STEEL WASTE BIN
TP-1	TOILET TISSUE DISPENSER, (OFCI)
W-1	WASHER (EXISTING TO BE RELOCATED, OFCI)
WC-1	WATER COOLER (OFCI)

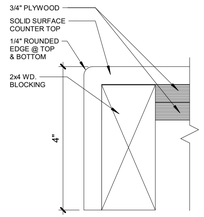
1. REFER TO APPLIANCES SPECIFICATIONS FOR BASIS OF DESIGN PRODUCTS.
2. TOILET ACCESSORIES MODEL NUMBERS ARE BASED ON BOBRICK PRODUCTS, U,N.O. APPROVED EQUAL MAY BE USED.
3. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND SALVAGING THE EXISTING WASHER AND LAUNDRY UNITS FOR REINSTALLATION IN NEW LOCATION SHOWN ON PLANS.

PLUMBING FIXTURES
SEE PLUMBING DRAWINGS

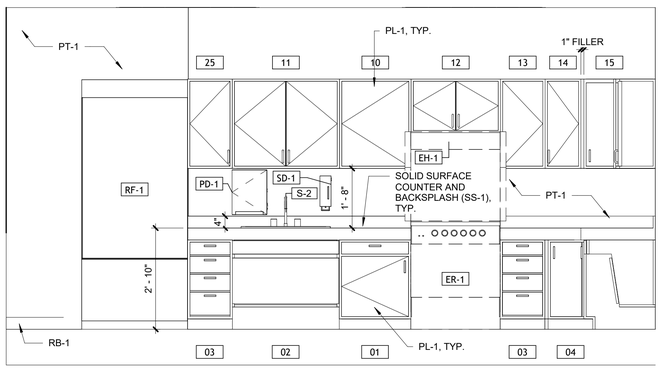
Type	DESCRIPTION
S-1	SINK
S-2	COUNTERTOP SINK
T-1	TOILET

REFER TO SHEET A0.02 ACCESSIBILITY DETAILS FOR MOUNTING HEIGHTS OF FIXTURES AND ACCESSORIES.

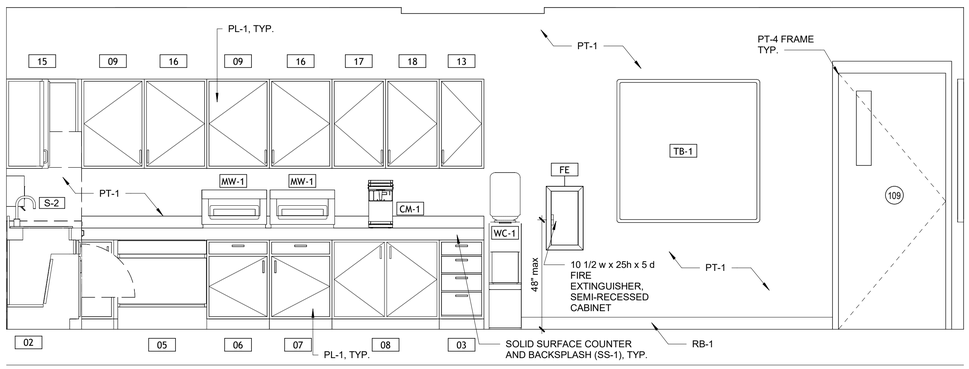
REFER TO SHEET A9.01 FOR FINISH PLANS & LEGEND FOR SCHEDULED FINISHES.



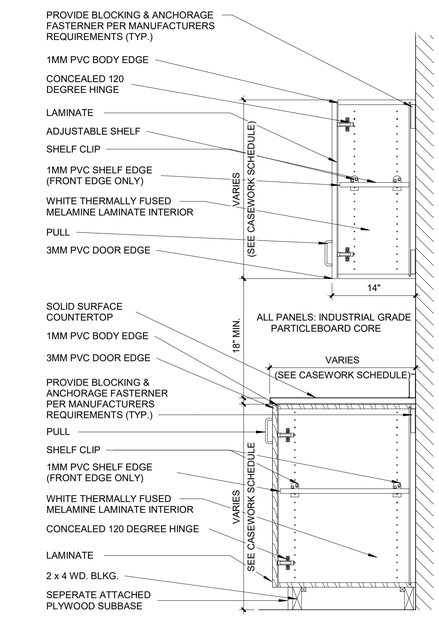
4 A7.01 TYP. COUNTERTOP DETAIL
6" = 1'-0"



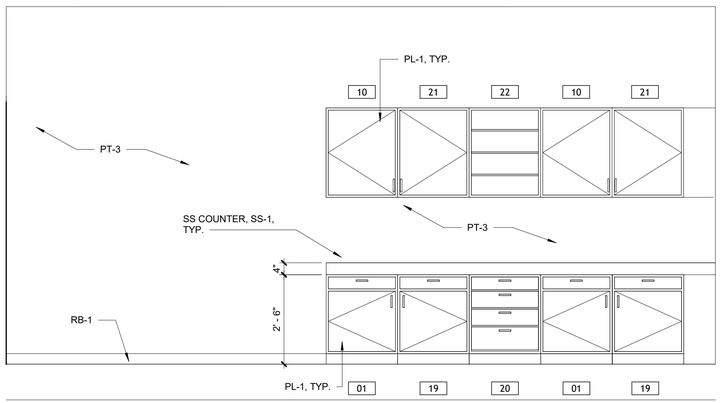
1 A7.01 FACULTY LOUNGE FRONT
1/2" = 1'-0"



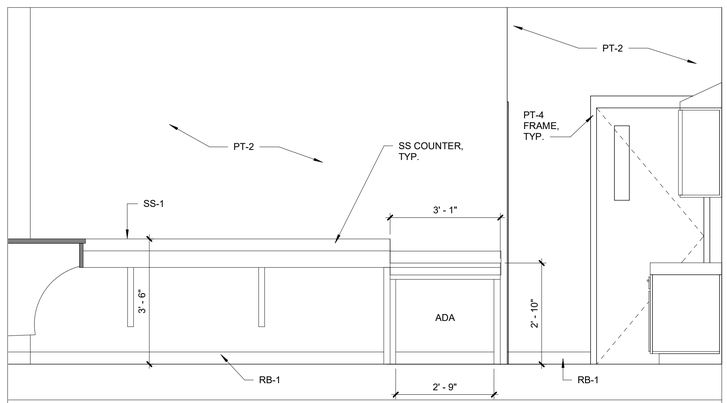
2 A7.01 FACULTY LOUNGE SIDE
1/2" = 1'-0"



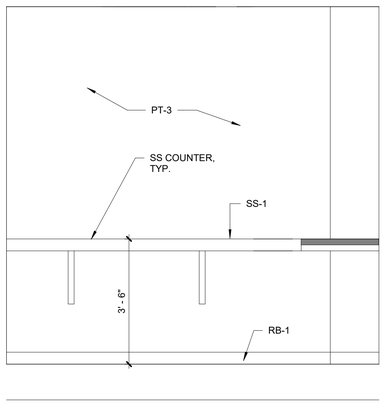
3 A7.01 TYP. UPPER & BASE CABINETS
1" = 1'-0"



5 A7.01 WORK ROOM ELEVATION
1/2" = 1'-0"



6 A7.01 WORK ROOM ELEVATION - SEATING
1/2" = 1'-0"



7 A7.01 WORK ROOM ELEVATION - SIDE SEATING
1/2" = 1'-0"

State Project #: 05-1280-070-27-1000

NJ Certificate of Authorization

Eng'r. Nos.	24GA27937500
Arch. Nos.	21AC00012400
Date	11/10/2026
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Drawn	HLF

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Title REGISTERED ARCHITECT

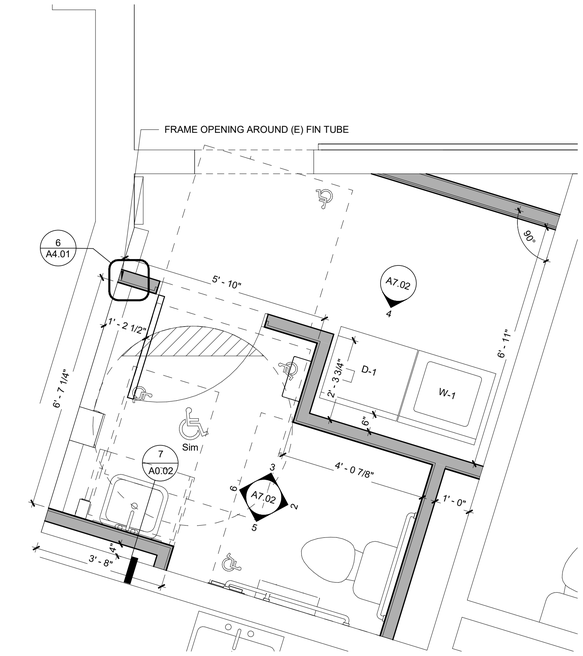
Date	Description
11/10/26	ISSUE FOR BID

ENLARGED PLANS AND ELEVATIONS
INTERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
300 DELANCO ROAD, EDGEWATER PARK NJ 08010

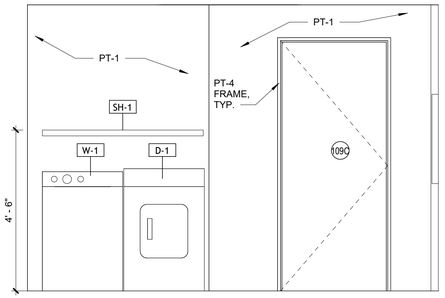
LAN ASSOCIATES
Engineering, Planning, Architecture, Surveying Inc.
1018 Laurel Oak Road Ste 11, Voorhees, NJ 08043 | t. 856-375-2701 | f. 201-447-1233

Job No. 2.20554.3
File No.
A7.01

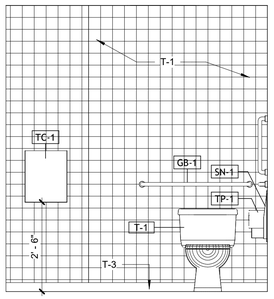
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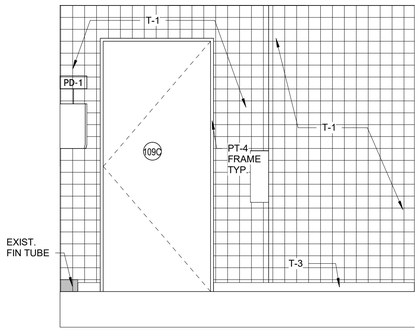
1 A7.02 ENLARGED TOILET ROOM
1/2" = 1'-0"



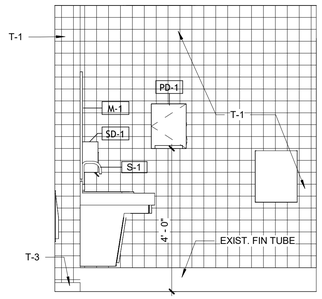
4 A7.02 LAUNDRY INTERIOR ELEVATION - SOUTH
1/2" = 1'-0"



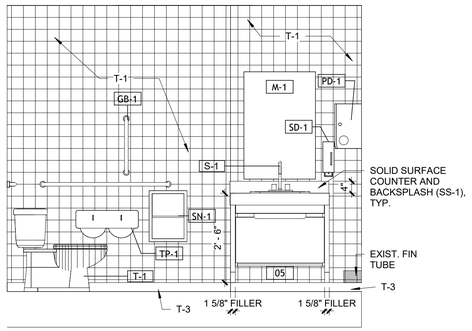
2 A7.02 RESTROOM INTERIOR ELEVATION - EAST
1/2" = 1'-0"



3 A7.02 RESTROOM INTERIOR ELEVATION - NORTH
1/2" = 1'-0"



6 A7.02 RESTROOM INTERIOR ELEVATION - WEST
1/2" = 1'-0"



5 A7.02 RESTROOM INTERIOR ELEVATION - SOUTJ
1/2" = 1'-0"

EQUIPMENT AND ACCESSORY SCHEDULE

Type Mark	DESCRIPTION
CM-1	COFFEE MAKER
CP-1	COPIER (OFOI)
CP-2	COPIER (OFOI)
D-1	DRYER (EXISTING TO BE RELOCATED, OFCI)
EH-1	EXHAUST HOOD
ER-1	ELECTRICAL RANGE
EX-BC	EXISTING BOOKCASES - SALVAGED FOR RE-INSTALL BY GC.
FE	RECESSED FIRE EXTINGUISHER
GB-1	18" VERTICAL, 36" REAR & 42" SIDE ADA GRAB BARS W/ SAFETY GRIP FINISH BY BOBRICK OR APPROVED EQUAL
M-1	MIRROR 2'-0" X 3'-0" WITH TEMPERED SAFETY GLASS BY BOBRICK B2908, OR APPROVED EQUAL.
MB-1	8'-0" MARKER BOARD
MB-2	12'-0" MARKER BOARD
MW-1	COUNTERTOP MICROWAVE
PD-1	PAPER TOWEL DISPENSER (OFCI)
RF-1	REFRIGERATOR
SD-1	SURFACE MOUNTED SOAP DISPENSE (OFCI)
SH-1	48wx12d STAINLESS STEEL SHELVING. MODEL H-7499 BY ULINE, OR APPROVED EQUAL
SN-1	SANITARY NAPKIN DISPOSAL, B-254
TB-1	4'-0" TACK BOARD
TB-EX	EXISTING TACK BOARD
TC-1	SURFACE MOUNTED STAIN STEEL WASTE BIN
TP-1	TOILET TISSUE DISPENSER, (OFCI)
W-1	WASHER (EXISTING TO BE RELOCATED, OFCI)
WC-1	WATER COOLER (OFCI)

REFER TO SHEET A0.02 ACCESSIBILITY DETAILS FOR MOUNTING HEIGHTS OF FIXTURES AND ACCESSORIES.

REFER TO SHEET A9.01 FOR FINISH PLANS & LEGEND FOR SCHEDULED FINISHES.

PLUMBING FIXTURES
SEE PLUMBING DRAWINGS

Type	DESCRIPTION
S-1	SINK
S-2	COUNTERTOP SINK
T-1	TOILET

NJ Certificate of Authorization
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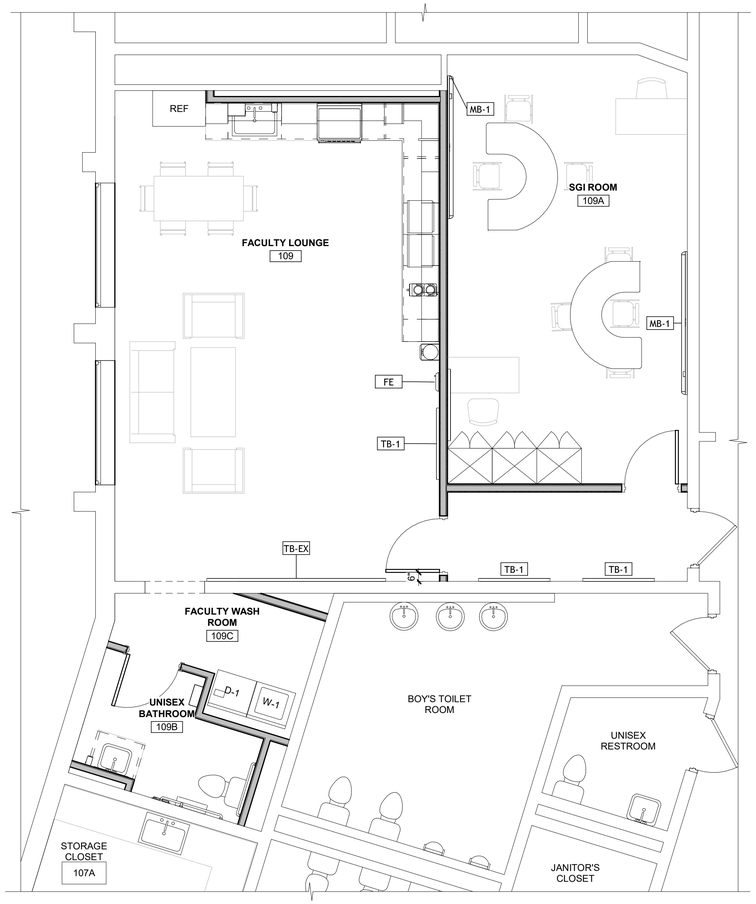
State Project #: 05-1280-070-27-1000

ENLARGED PLANS AND ELEVATIONS
INTERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
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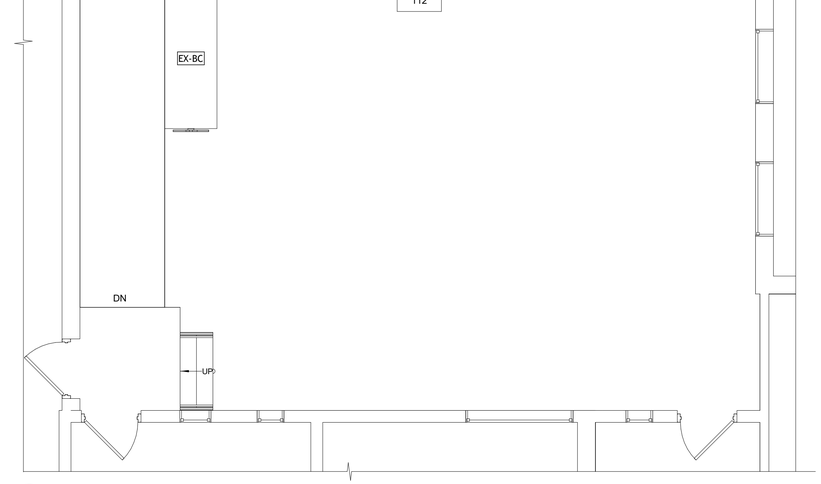
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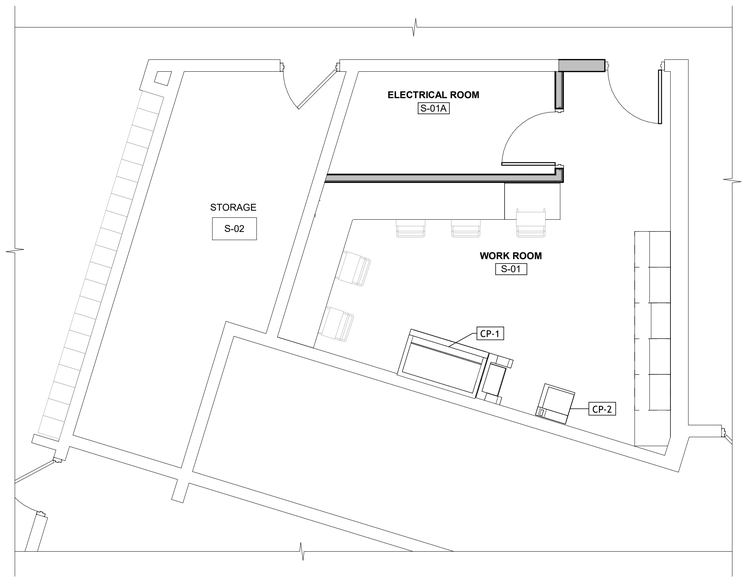
A7.02



1 A8.01 1ST FLOOR FURNITURE PLAN - FACULTY & SGI ROOM
1/4" = 1'-0"



2 A8.01 1ST FLOOR FURNITURE PLAN - LEARNING RESOURCE COMMONS & SGI
1/4" = 1'-0"



3 A8.01 1ST FLOOR FURNITURE PLAN - WORK ROOM
1/4" = 1'-0"

FURNITURE PLAN GENERAL NOTES

1. FURNITURE PLANS ARE PROVIDED FOR REFERENCE AND COORDINATION PURPOSES ONLY. FURNITURE LAYOUTS INDICATE ANTICIPATED USE OF SPACES AND ARE INTENDED TO SUPPORT COORDINATION WITH ARCHITECTURAL PLANNING, CODE COMPLIANCE, EGRESS, ACCESSIBILITY, AND NJDOE / DEPARTMENT OF EDUCATION APPLICATION REQUIREMENTS.
2. LOOSE FURNITURE, FURNISHINGS, AND EQUIPMENT SHOWN ARE NOT PART OF THE CONTRACTOR'S SCOPE OF WORK. ALL LOOSE FURNITURE IS OWNER-FURNISHED / OWNER-INSTALLED (OFOI) UNLESS EXPLICITLY NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.
3. DO NOT INCLUDE COSTS FOR LOOSE FURNITURE IN THE CONTRACT SUM. NO PROCUREMENT, DELIVERY, INSTALLATION, RELOCATION, STORAGE, OR PROTECTION OF LOOSE FURNITURE IS REQUIRED BY THE CONTRACTOR UNLESS SPECIFICALLY IDENTIFIED AS OWNER-FURNISHED / CONTRACTOR-INSTALLED (OFCI).
4. FURNITURE SHOWN MAY NOT REPRESENT FINAL SELECTIONS, QUANTITIES, OR CONFIGURATIONS. FURNITURE TYPES, SIZES, AND ARRANGEMENTS ARE DIAGRAMMATIC AND MAY BE MODIFIED BY THE OWNER INDEPENDENT OF CONSTRUCTION.
5. DO NOT RELY ON FURNITURE PLANS FOR CONSTRUCTION DIMENSIONS. VERIFY ALL WALL LOCATIONS, DOOR SWINGS, CLEARANCES, AND FIXED ELEMENTS FROM ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
6. COORDINATE ALL FIXED BUILDING ELEMENTS INDEPENDENT OF FURNITURE. INSTALL WALL-MOUNTED ITEMS, CASEWORK, MILLWORK, PLUMBING FIXTURES, ELECTRICAL DEVICES, DATA OUTLETS, AND SPECIALTY EQUIPMENT PER ARCHITECTURAL AND ENGINEERING DOCUMENTS REGARDLESS OF FURNITURE LOCATIONS SHOWN.
7. NO ANCHORAGE OR ATTACHMENT OF LOOSE FURNITURE IS REQUIRED. DO NOT PROVIDE FLOOR ANCHORS, WALL ANCHORS, SEISMIC RESTRAINTS, OR OTHER ATTACHMENTS FOR LOOSE FURNITURE UNLESS SPECIFICALLY DETAILED OR SCHEDULED.
8. COORDINATION WITH OWNER REQUIRED. COORDINATE ACCESS, AND SCHEDULING AS REQUIRED TO ACCOMMODATE OWNER-FURNISHED / OWNER-INSTALLED FURNITURE FOLLOWING SUBSTANTIAL COMPLETION OF THE WORK.
9. CONTRACTOR SHALL PROVIDE TURNOVER OF SPACES CLEAR AND READY FOR OWNER INSTALLATION OF FURNITURE. SPACES SHALL BE CLEAN, COMPLETE, AND FREE OF CONSTRUCTION MATERIALS IN ACCORDANCE WITH CLOSEOUT REQUIREMENTS.

NJ Certificate of Authorization	
Eng'r. Nos.	24GA27937500
Arch. Nos.	21AC00012400
Date	11/10/2026
Checked	KDA
Drawn	HLF

RONALD W. SCHWENKE III, R.A. — License No. NJ21A02051300 — Title REGISTERED ARCHITECT

Date	Description
11/10/26	ISSUE FOR BID

State Project #: 05-1280-070-27-1000

FURNITURE PLAN

INTERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
300 DELANCO ROAD, EDGEWATER PARK NJ 08010

LAN ASSOCIATES
Engineering, Planning, Architecture, Surveying Inc.
1018 Laurel Oak Road Ste 11, Voorhees, NJ 08043 | t. 856-375-2701 | f. 201-447-1233

Job No. 2.20554.3

File No.

A8.01

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FINISH LEGEND

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
PT-X	PAINT (INTERIOR) "SHERWIN WILLIAMS" OR APP. EQ ALL COLORS SELECTED BY ARCHITECT **PT-1:** 'PINK SHADOW' BY SHERWIN-WILLIAMS #0070 **PT-2:** 'PANDA WHITE' BY SHERWIN-WILLIAMS #6147 **PT-3:** 'OYSTER BAY' BY SHERWIN-WILLIAMS #6206 **PT-4:** 'ACIER' BY SHERWIN-WILLIAMS #9170	**T-X**	PORCELAIN TILE - SEE SPEC. **T-1:** 'RETROSPACE REMIX' BY DALTILE OR APP. EQUAL; 6"X6" ; COLOR 'SUCCULENT GREEN', SHAPE 'SQUARE', FINISH: GLOSS **T-2:** 'CEMENTED BY SHAWCONTRACT OR APP. EQUAL; 12"X24" ; COLOR 'SALT', SHAPE 'RECTANGLE', FINISH: MATTE **T-3:** 'CEMENTED BY SHAWCONTRACT OR APP. EQUAL; 3"X12" ; COLOR 'SALT', SHAPE 'BULLNOSE', FINISH: MATTE	**SS-X**	SOLID SURFACE **SS-1** 'POWDER WHITE' BY WILSONART OR APP. EQUAL #9230SS
LVT-X	LUXURY VINLY TILE - SEE SPEC. **LVT-1:** 'BRANCHING OUT' BY SHAWCONTRACT OR APP. EQUAL; 6"X48", 5.0MM; COLOR 'RIVERSIDE OAK'. #56140 **LVT-2:** 'COLORLINK' BY SHAWCONTRACT OR APP. EQUAL; 8"X48", 3.0MM; COLOR 'HARMONIOUS'. #00104 **LVT-3:** 'COLORLINK' BY SHAWCONTRACT OR APP. EQUAL; 8"X48", 3.0MM; COLOR 'WISP'. #00411 **LVT-4:** 'COLORLINK' BY SHAWCONTRACT OR APP. EQUAL; 8"X48", 3.0MM; COLOR 'VIVID BLUE'. #00411 **LVT-5:** 'COLORLINK' BY SHAWCONTRACT OR APP. EQUAL; 8"X48", 3.0MM; COLOR 'CALM'. #00515 **LVT-6:** 'COLORLINK' BY SHAWCONTRACT OR APP. EQUAL; 8"X48", 3.0MM; COLOR 'RIPPLE'. #00415	**RB-X**	RUBBER WALL BASE -SEE SPEC. **RB-1:** TRADITIONAL WALL BASE BY JOHNSONITE OR APP. EQUAL; 4" HIGH, COLOR 'VAPOR GREY' #23	**PL-X**	PLASTIC LAMINATE **PL-1**: 'CHERRY PB TOASTED' BY WILSONART #8274 OR APPROVED EQUAL

FINISH SCHEDULE

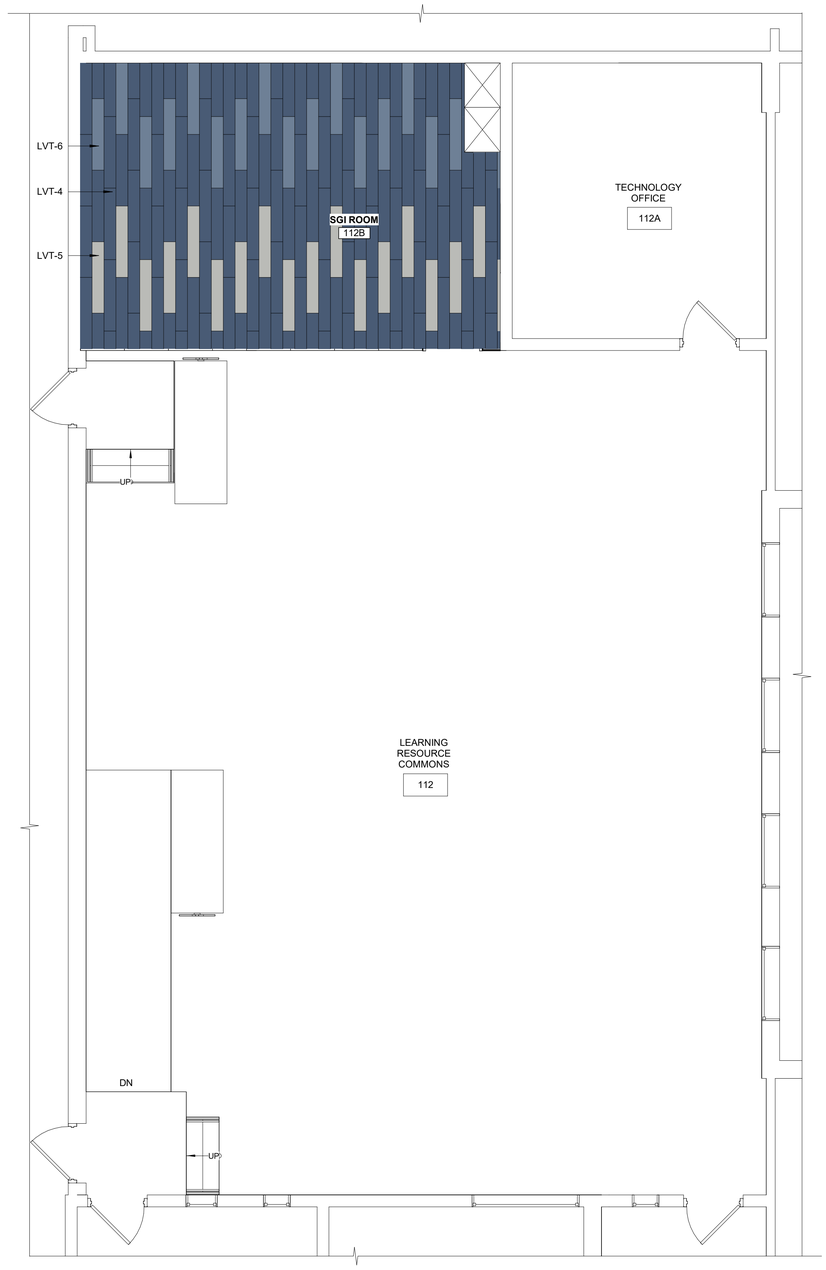
ROOM #	ROOM NAME	WALL	CEILING	FLOOR	BASE	CABINET	COUNTERTOP	DOOR TRIM
1ST FLOOR								
109	FACULTY LOUNGE	PT-1 / PT-2	ACT-1	LVT-1	RB-1	PL-1	SS-1	PT-4
109A	SGI ROOM	PT-2	ACT-1	LVT-2 / LVT-3	RB-1	PL-1	N/A	PT-4
109B	UNISEX BATHROOM	T-1	ACT-1	T-2	T-3	N/A	N/A	PT-4
109C	FACULTY WASH ROOM	PT- 1/ PT-2	ACT-1	LVT-1	RB-1	N/A	N/A	PT-4
112B	SGI ROOM	PT-2	ACT-1	LVT-4 / LVT-5 / LVT-6	RB-1	PL-1	N/A	PT-4
S-01	WORK ROOM	PT-2 / PT-3	ACT-1	LVT-1	RB-1	PL-1	SS-1	PT-4
S-01A	ELECTRICAL ROOM	PT-2	EXPOSED	LVT-1	RB-1	N/A	N/A	PT-4



1 A9.01 1ST FLOOR FINISH PLAN - FACULTY & SGI ROOM
1/4" = 1'-0"



2 A9.01 1ST FLOOR FINISH PLAN - WORK ROOM
1/4" = 1'-0"



3 A9.01 1ST FLOOR FINISH PLAN - LEARNING RESOURCE COMMONS & SGI
1/4" = 1'-0"

State Project #: 05-1280-070-27-1000

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FLOOR FINISH PLAN

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Job No. 2.20554.3
File No.

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GENERAL NOTES

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

HVAC GENERAL NOTES

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

GENERAL CONSTRUCTION NOTES

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

HVAC MATERIALS

EQUIPMENT:

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

DUCTWORK:

- INDOOR AIR DUCTWORK, EXCEPT AS INDICATED BELOW, SHALL BE GALVANIZED STEEL CONSTRUCTION. WEIGHTS AND CONSTRUCTION DETAIL SHALL BE IN ACCORDANCE WITH THE LATEST ASHRAE GUIDE AND/OR SMACNA STANDARDS. MIN. 24 GAUGE DUCTWORK SHALL BE USED FOR THE PROJECT.
- OUTDOOR AIR INTAKE DUCTWORK SHALL BE ALUMINUM CONSTRUCTION CLASS "A' SEALED.
- FLEXIBLE DUCTWORK: SHALL NOT EXCEED FOUR (4) FEET IN LENGTH. FOR ANY HORIZONTAL FLEX DUCT BRANCH TO A CEILING DIFFUSER, FURNISH A 90° BRACE TO MAINTAIN A LONG RADIUS ELBOW TO THE DIFFUSER (TITUS MAKE, MODEL "FLEXRIGHT" OR APPROVAL EQUAL MANUFACTURERS).
- FIRE DAMPER: GREENHECK MAKE, MODEL FD-150 TYPE B (BLADE OUT OF AIRSTREAM), 1-1/2 HR RATED (UNLESS OTHERWISE NOTED) UL-555 LABELED DAMPER W/ STANDARD FRAME (OR APPROVED EQUAL). PROVIDE W/ A RETAINING ANGLE & ACCESS DOOR.

PIPING:

- CONDENSATE DRAIN PIPING: SHALL BE HARD COPPER TYPE "L" WITH WROUGHT COPPER FITTINGS. OR SCHEDULE 40 PVC WITH PVC FITTINGS (PRIMED & CEMENTED).
- REFRIGERANT PIPING: SHALL BE HARD COPPER TYPE "K" WITH WROUGHT COPPER FITTINGS. OR COPPER TYPE ACR

AIR DEVICES (OR APPROVED EQUAL):

- SUPPLY AIR CEILING DIFFUSER (SAD): KRUEGER MODEL PLQ, 24"x24" MODULE W/ ROUND NECK, STEEL CONSTRUCTION.
- SUPPLY AIR REGISTER (SAR): KRUEGER MODEL S80, STEEL CONSTRUCTION.
- RETURN AIR GRILLE (RAG): KRUEGER MODEL S80, STEEL CONSTRUCTION.

NOTES:
1. ALL AIR DEVICES LOCATED IN GYPSUM BOARD CLG./SOFFIT SHALL BE PROVIDED WITH FRAME TYPE FOR SURFACE MOUNTING.
2. COLOR OF AIR INLETS/OUTLETS SHALL BE SELECTED BY OWNER.
3. NC RATING OF ALL CDs SHALL NOT EXCEED 20. NC RATING OF ALL RARs/EARs SHALL NOT EXCEED 22.
4. ALL CEILING DIFFUSERS LOCATED IN ACOUSTIC CEILING GRID SHALL BE PROVIDED WITH FRAME TYPE FOR GRID MOUNTING. IF THE TILE IS SMALLER THAN TILE SIZE, THE DIFFUSER SHALL BE PROVIDED WITH FRAME TYPE FOR CEILING TYPE.
5. ALL AIR OUTLETS/INLETS TOILETS, CORRIDORS, AND KITCHEN SHALL BE ALUMINUM

INSULATION:

- EXTERNAL DUCT INSULATION: 1" THICK, MIN. 2 LB. DENSITY FLEXIBLE FIBERGLASS DUCT INSULATION WITH REINFORCED FOIL FACED FLAME RESISTANT KRAFT VAPOR BARRIER, ADHERED TO DUCT W/ SEALED LAPS AND TAPED JOINTS. THIS IS APPLICABLE TO ALL DUCTWORK THAT ARE NOT ACOUSTICALLY LINED.
- INTERNALLY LINED DUCT: 1" THICK, MIN. 2 LB. DENSITY RIGID INSULATION ADHERED TO DUCT. DUCTS WIDER THAN 12" TO HAVE WELDED PINS AND WASHERS. DUCT DIMENSIONS AS INDICATED ARE CLEAR INSIDE DUCT DIMENSIONS.
- DUCT INSULATION NOTE: PROVIDE A MINIMUM 6" OVERLAP WHERE INTERNAL INSULATION ENDS AND EXTERNAL INSULATION BEGINS.
- INTERIOR REFRIGERANT SUCTION & HOT GAS BYPASS PIPING SHALL BE INSULATED WITH 1" THICK FLEXIBLE ELASTOMERIC INSULATION (AP ARMAFLEX BLACK LAPSEAL OR APPROVED EQUAL).
- ALL CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1" THICK FLEXIBLE ELASTOMERIC ("AP ARMAFLEX BLACK LAPSEAL") OR FIBERGLASS PIPE INSULATION WITH ASJ JACKET.

CODE REFERENCES

1. JURISDICTION: STATE OF NEW JERSEY
2. APPLICABLE CODES:
   - 2.1. INTERNATIONAL BUILDING CODE 2024 - NJ EDITION
   - 2.2. NATIONAL STANDARD PLUMBING CODE - 2024
   - 2.3. NATIONAL ELECTRICAL CODE - 2023
   - 2.4. ASHRAE 90.1 - 2022
   - 2.5. INTERNATIONAL MECHANICAL CODE - 2024
   - 2.6. INTERNATIONAL FUEL GAS CODE 2024
3. IBC - USE GROUP CLASSIFICATION: GROUP E

SYMBOLS & ABBREVIATIONS

NOT TO SCALE

	=	ROUND SUPPLY AIR CEILING DIFFUSER (CD) WITH NECK SIZE AND AND CFM INDICATED ON PLANS.
	=	4-WAY SUPPLY AIR CEILING DIFFUSER (SAD) WITH NECK SIZE AND AND CFM INDICATED ON PLANS.
	=	RETURN AIR REGISTER (RAR) WITH NECK SIZE AND CFM INDICATED ON PLANS.
	=	EXHAUST AIR REGISTER (EAR) WITH NECK SIZE AND CFM INDICATED ON PLANS.
	=	SUPPLY AIR CEILING REGISTER/GRILLE (SAR) WITH NECK SIZE AND CFM INDICATED ON PLANS.
	=	RETURN AIR REGISTER (RAR) WITH NECK SIZE AND CFM INDICATED ON PLAN
	=	POINT OF CONNECTION OF NEW PIPING/DUCTWORK TO EXISTING
	=	POINT OF DISCONNECTION OF NEW PIPING/DUCTWORK TO EXISTING
W" x D"	=	INDICATES HARD DUCT WITH INTERNAL LINING (DIMENSIONS ARE INSIDE CLEAR WIDTH & DEPTH).
W" x D"	=	INDICATES HARD DUCT (DIMENSIONS ARE INSIDE CLEAR WIDTH & DEPTH).
	=	DUCT TURN UP (SUPPLY, RETURN, EXHAUST)
	=	DUCT TURN DOWN (SUPPLY, RETURN, EXHAUST)
DSD/AD	=	DUCT SMOKE DETECTOR WITH ACCESS DOOR
FD/AD	=	FIRE DAMPER WITH ACCESS DOOR
FD/SD/AD	=	COMBINATION FIRE & SMOKE DAMPER WITH ACCESS DOOR
VD	=	VOLUME DAMPER
BDD	=	BACK DRAFT DAMPER
	=	UNDERCUT DOOR
T	=	INDICATES NEW ROOM THERMOSTAT
CLASSROOM 201	=	ROOM NAME ROOM NUMBER
	=	PIPE TURN UP
	=	PIPE TURN DOWN
OR	=	BALL VALVE
	=	CHECK VALVE
	=	UNION
	=	PRESSURE GAUGE
	=	TEMPERATURE GAUGE
	=	STRAINER
	=	CONTROL VALVE
	=	BALL VALVE
	=	CIRCUIT SETTER (BALANCING VALVE)

&	=	AND
@	=	AT
ø	=	DIAMETER OR ROUND
(D)	=	DEMOLISH
(E)	=	EXISTING
AC	=	AIR CONDITIONING UNIT
ACCU	=	AIR-COOLED CONDENSING UNIT
AD	=	ACCESS DOOR
ADD'L	=	ADDITIONAL
AFF	=	ABOVE FINISHED FLOOR
ALC	=	AUTOMATED LOGIC CONTROL
ALT	=	ALTERNATE
APPROX	=	APPROXIMATE
BDD	=	BACK DRAFT DAMPER
BLDG	=	BUILDING
BMS	=	BUILDING MANAGEMENT SYSTEM
CD	=	CONDENSATE DRAIN
CD	=	CEILING DIFFUSER
CFM	=	CUBIC FEET PER MINUTE
CH	=	CABINET HEATER
CLG	=	CEILING
CO	=	CLEANOUT
CODP	=	CLEANOUT DECKPLATE
DDC	=	DIRECT DIGITAL CONTROL
DIA	=	DIAMETER
DN	=	DOWN
DSD	=	DUCT SMOKE DETECTOR
DTR	=	DUAL TEMP. RETURN PIPING
DTS	=	DUAL TEMP. SUPPLY PIPING
DWG	=	DRAWING
EA	=	EACH
EA	=	EXHAUST AIR
EAR	=	EXHAUST AIR REGISTER
EAT	=	ENTERING AIR TEMPERATURE
EF	=	EXHAUST FAN
EXIST	=	EXISTING
EWT	=	ENTERING WATER TEMPERATURE
FAI	=	FRESH AIR INTAKE
FC	=	FLEXIBLE CONNECTION
FD	=	FIRE DAMPER
FTR	=	FINED TUBE RADIATION/BASEBOARD
HVAC	=	HEAT/VENTILATION/AIR CONDITIONING
HWR	=	HEATING HOT WATER RETURN
HWS	=	HEATING HOT WATER SUPPLY
IAQ	=	INDOOR AIR QUALITY
IN	=	INCH
INFO	=	INFORMATION
LAT	=	LEAVING AIR TEMPERATURE
LDB	=	LEAVING DRY BULB
LD	=	LINEAR SLOT DIFFUSER
LWB	=	LEAVING WET BULB
LWT	=	LEAVING WATER TEMPERATURE
MAX	=	MAXIMUM
MECH	=	MECHANICAL
MIN	=	MINIMUM
NK	=	NECK SIZE
NTS	=	NOT TO SCALE
OA	=	OUTSIDE AIR
RA	=	RETURN AIR
RAR	=	RETURN AIR REGISTER
RTU	=	ROOFTOP HVAC UNIT
SA	=	SUPPLY AIR
SAD	=	SUPPLY AIR DIFFUSER
SPEC	=	SPECIFICATION
SS	=	STAINLESS STEEL
TAB	=	TESTING, ADJUSTING & BALANCING
TEMP	=	TEMPERATURE
TX	=	TOILET EXHAUST
TYP	=	TYPICAL
UV	=	UNIT VENTILATOR
VD	=	VOLUME DAMPER
VFD	=	VARIABLE FREQUENCY DRIVE
W/	=	WITH

THOMAS WIGHARD, P.E.
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Revisions:

BID SET 11/10/26

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NJ Certificate of Authorization

Engr. Nos.	24GA27937500
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Date	11/10/26
Checked	SS
Drawn	KD

MECHANICAL NOTES AND SYMBOLS

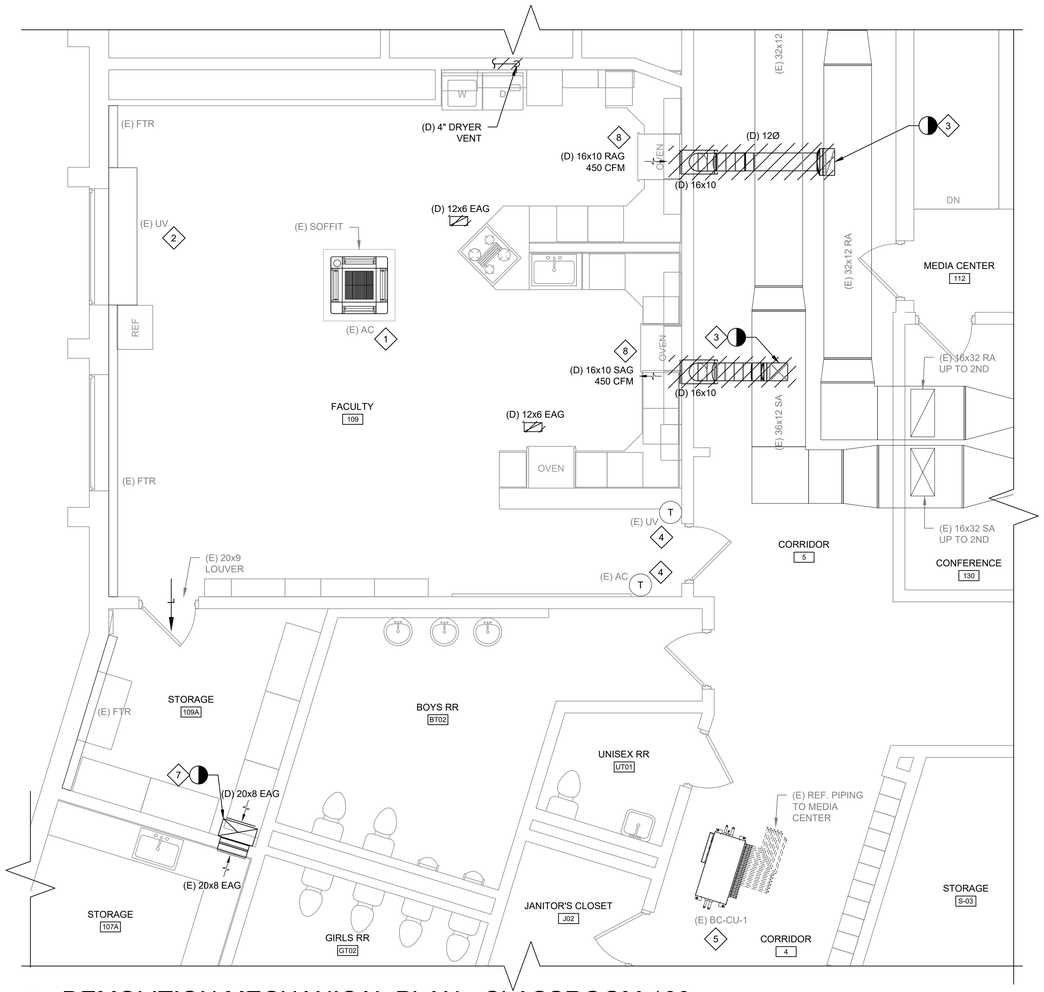
INERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
300 DELANCO ROAD, EDGEWATER PARK NJ 08010

Job No. 2.20554.03

File No. 2055403 M001

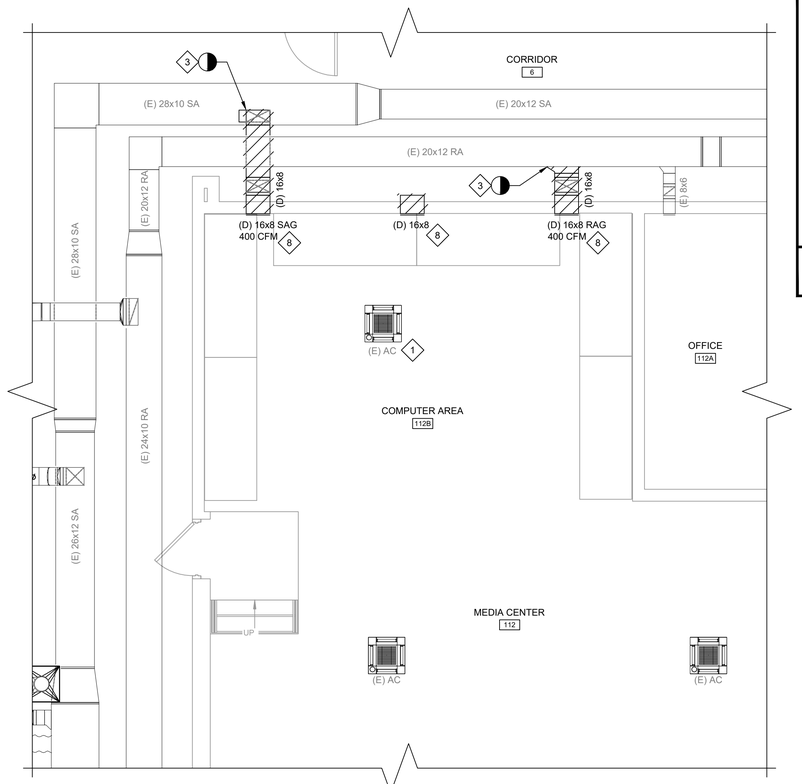
M0.01

State Project#: 1280-070-27-1000



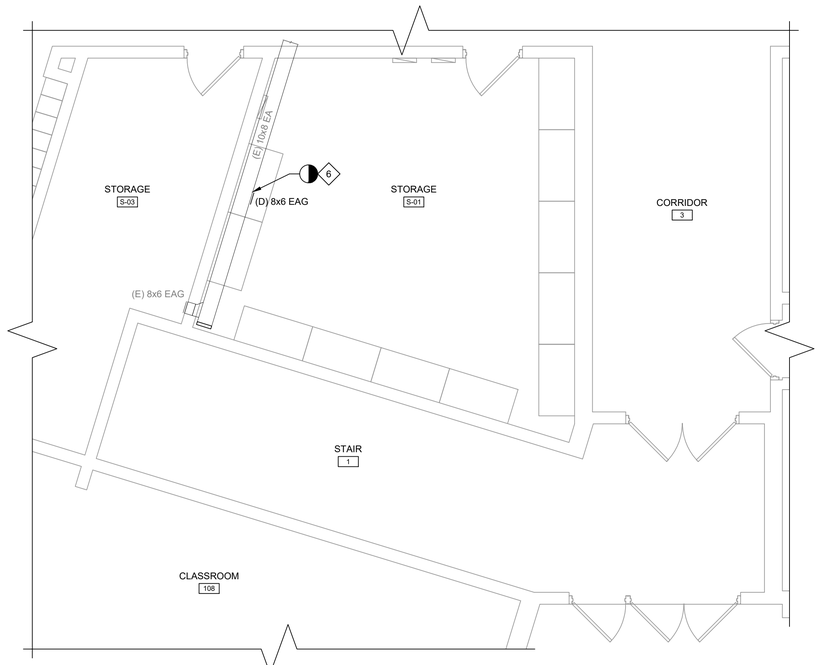
1 M1.01 DEMOLITION MECHANICAL PLAN - CLASSROOM 109

1/4" = 1'-0"



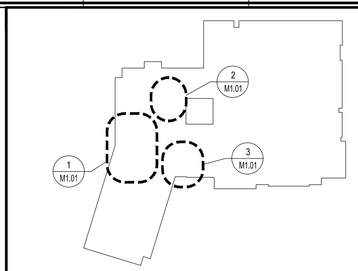
2 M1.01 DEMOLITION MECHANICAL PLAN - COMPUTER AREA 112B

1/4" = 1'-0"



3 M1.01 DEMOLITION MECHANICAL PLAN - STORAGE S-01

1/4" = 1'-0"



OVERALL KEY PLAN

NOT TO SCALE

MECHANICAL DEMOLITION KEY NOTES

SYMBOL INDICATES MECH. DEMOLITION KEY NOTE

1. EXISTING CEILING CASSETTE AC UNIT TO REMAIN. IN LOCATIONS WHERE CEILING IS BEING REPLACED, UNITS WILL NEED TO SHIFT TO ACCOMMODATE NEW CEILING LAYOUTS. MODIFY EXISTING REFRIGERANT PIPING RUNS AS NECESSARY.
2. EXISTING FLOOR MOUNTED UNIT VENTILATION TO REMAIN.
3. DISCONNECT AND REMOVE EXISTING DUCTWORK UP TO POINT OF DISCONNECT. COMPLETE WITH HANGERS SUPPORTS, FLEX DUCT, LINING, INSULATION, DIFFUSERS, ETC. PREPARE DUCT FOR RECONNECTION IN PROPOSED WORK.
4. DISCONNECT AND RELOCATE EXISTING THERMOSTATS TO NEW LOCATION SHOWN ON M2.01.
5. EXISTING 16 PORT BRANCH CIRCUIT (BC) CONTROLLER TO REMAIN.
6. EXISTING DUCT MOUNTED EXHAUST GRILLE TO BE REMOVED AND REINSTALLED IN NEW LOCATION SHOWN ON DWG M2.01. PATCH EXISTING DUCT AIRTIGHT.
7. EXISTING DUCT MOUNTED EXHAUST GRILLE TO BE REMOVED.
8. DEMOLISH AND REMOVE EXISTING DUCT AND GRILLE THROUGH WALL. PATCH WALL TO MATCH EXISTING. REFER TO ARCHITECTURAL DRAWINGS.

MECHANICAL PLAN NOTES

1. SIZES & LOCATIONS OF EXISTING HVAC/MECH, EQUIPMENT, DUCTWORK, PIPING, AIR INLETS/OUTLETS, ETC. SHOWN ON DRAWINGS ARE BASED ON EXISTING DRAWINGS & SITE OBSERVATIONS & THEY ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE TO VERIFY EXACT LOCATIONS IN FIELD.
2. NOT ALL EXISTING HVAC/MECHANICAL EQUIPMENT, DUCTWORK, PIPING, VALVES, ETC. ARE SHOWN ON DRAWINGS. VERIFY IN FIELD.
3. SAWCUT & CORE DRILL EXIST. WALLS/FLOORS/CLG./ROOF FOR NEW DUCTWORK/PIPING/CONDUIT PENETRATIONS. PATCH & CAULKS WITH 2-HR RATED FIRESTOPPING MATERIALS. ANY CUTTING, PATCHING, OR FINISH REPAIR WORK REQUIRED FOR MECHANICAL INSTALLATION IS THE RESPONSIBILITY OF THE CONTRACTOR.
4. ALL NEW DUCTWORK SHALL BE INSTALLED AND CONCEALED ABOVE CEILING, UNLESS OTHERWISE NOTED. NEW DUCTWORK SHALL BE INTERNALLY LINED ACCORDING TO THE HVAC MATERIALS NOTES ON M0.01.
5. CONTRACTOR SHALL INSTALL ALL NEW DUCTWORK AS HIGH AS POSSIBLE. ALL NEW DUCTWORK SHALL BE PROPERLY SECURED AS PER MECHANICAL SPECIFICATIONS.
6. ALL DUCTWORK AND PIPING SHALL BE SUPPORTED FROM BUILDING STRUCTURE.
7. SHEET METAL DUCTWORK DIMENSIONS SHOWN ARE CLEAR INSIDE DIMENSIONS
8. CONTRACTOR IS REQUIRED TO PROPERLY PROTECT EXISTING FLOORS, WALLS, FURNITURE, EQUIPMENT, ETC. DURING CONSTRUCTION ALL DAMAGED ITEMS SHALL BE REPAIRED/REPLACED, AT EXPENSE OF THE CONTRACTOR. REMOVE PROTECTIONS AFTER ALL WORK IS COMPLETE & VACUUM CLEAN ALL AREAS TO BE FREE OF DUST & DEBRIS
9. PATCH ALL OPENING ON WALLS & CEILINGS AFTER EXISTING EQUIPMENT, DUCTWORK, PIPING, CONDUIT & WIREMOLD, ETC. ARE REMOVED. INFILL & PATCH W/ SUITABLE MATERIALS TO MAINTAIN FIRE RATING & PAINT TO MATCH EXISTING.
10. ANY CUTTING, PATCHING, OR FINISH REPAIR WORK REQUIRED FOR MECHANICAL DEMOLITION IS THE RESPONSIBILITY OF THE CONTRACTOR.
11. CONTRACTOR SHALL VERIFY IN FIELD EXACT DUCTWORK AND PIPE ROUTING AND CONNECTIONS. CONTRACTOR SHALL COORDINATE WITH ALL TRADES BEFORE ANY WORK IS TO BE PERFORMED. REPORT AND DISCREPANCIES TO ENGINEER.

NJ Certificate of Authorization

Eng'r. Nos.	24GA27937500
Arch. Nos.	21AC00012400
Date	6/17/26
Checked	MB
Drawn	KD

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Revisions:

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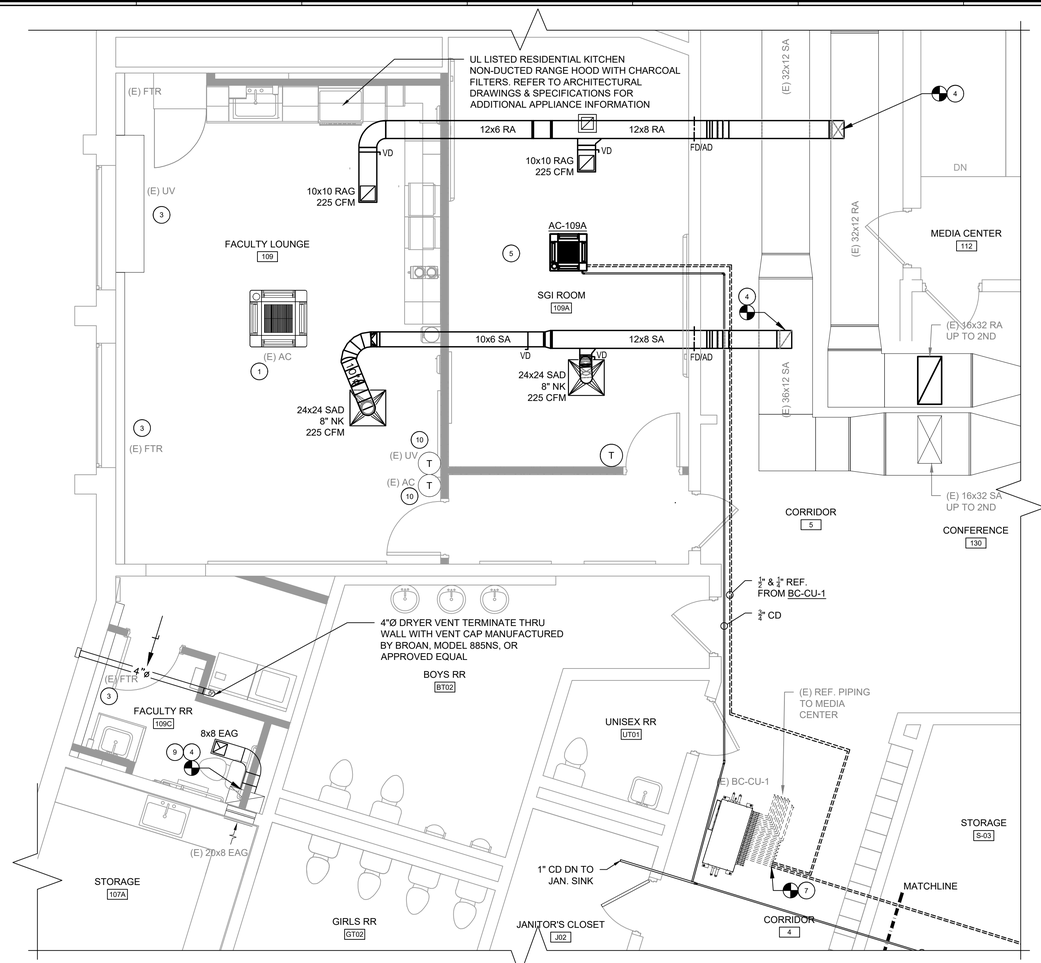
MECHANICAL DEMOLITION PLANS

INERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
300 DELCANO ROAD, EDGEWATER PARK NJ 08010

Job No. 20554.03

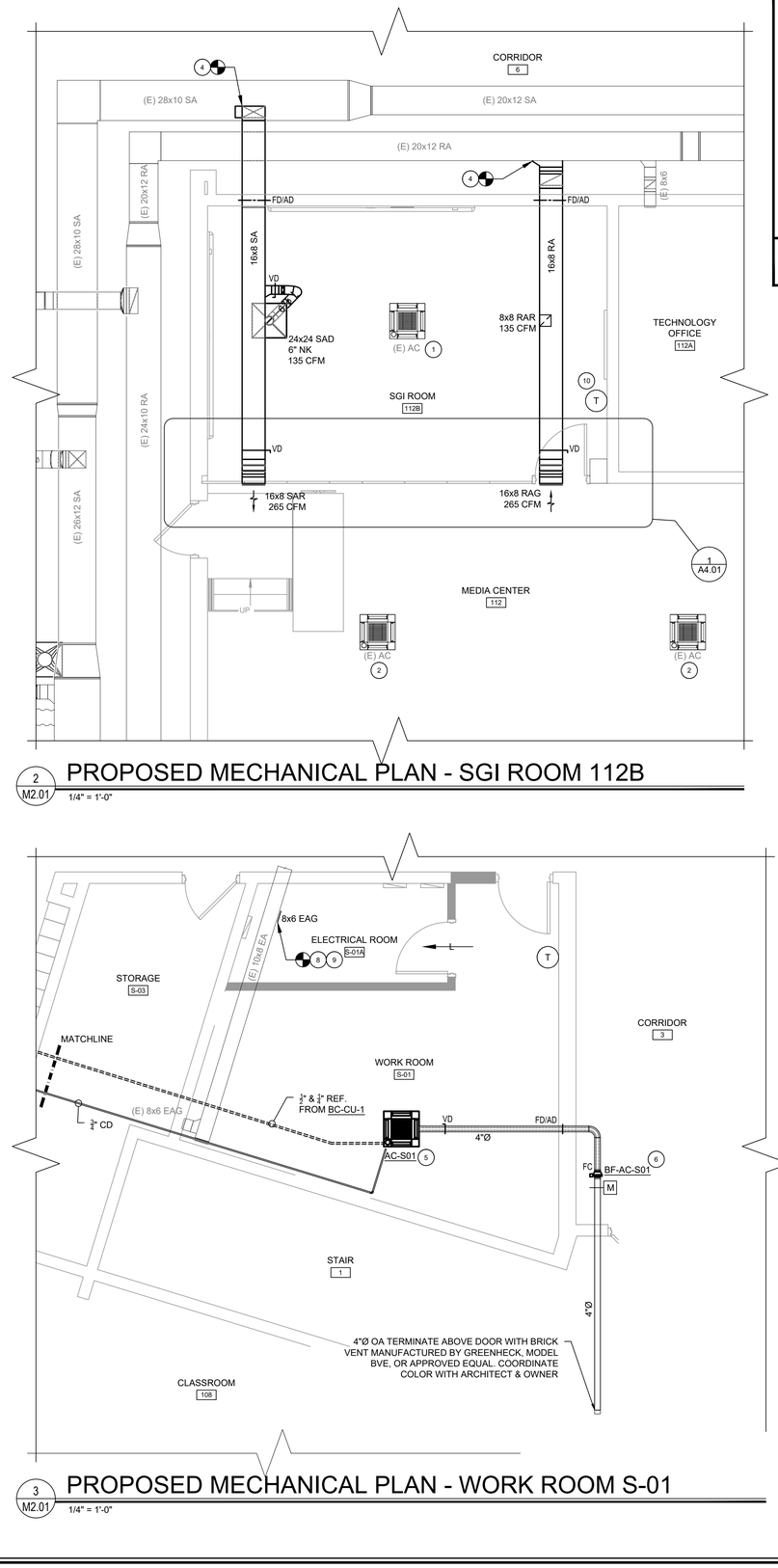
File No. 2055403 M101

M1.01



1 M2.01 PROPOSED MECHANICAL PLAN - FACULTY LOUNGE 109 & SGI ROOM 109A

1/4" = 1'-0"

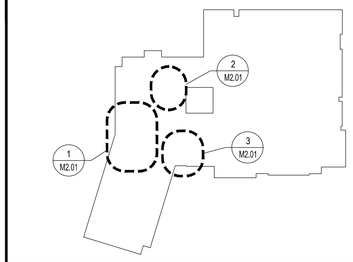


2 M2.01 PROPOSED MECHANICAL PLAN - SGI ROOM 112B

1/4" = 1'-0"

3 M2.01 PROPOSED MECHANICAL PLAN - WORK ROOM S-01

1/4" = 1'-0"



OVERALL KEY PLAN NOT TO SCALE

MECHANICAL KEY NOTES

(#) SYMBOL INDICATES MECH. KEY NOTE

1. EXISTING CEILING CASSETTE AC UNIT TO REMAIN. RELOCATE TO FIT WITHIN NEW ACT CEILING LAYOUT. MODIFY REFRIGERANT AND CONDENSATE PIPING AS NECESSARY, COMPLETE WITH HANGERS, INSULATION, ETC.
2. EXISTING AC UNITS TO REMAIN.
3. EXISTING UNIT VENTILATOR AND FIN TUBE RADIATORS TO REMAIN.
4. FURNISH AND INSTALL NEW DUCTWORK UP TO POINT OF CONNECTION. COMPLETE WITH HANGERS SUPPORTS, FLEX DUCT, LINING, INSULATION, DIFFUSERS, ETC. RE-USE EXISTING WALL PENETRATIONS WITHIN CORRIDOR.
5. FURNISH AND INSTALL NEW CEILING CASSETTE AC UNITS, AC-109A AND AC-S01, OF SIZES AND CAPACITIES SCHEDULED. UNITS TO BE TIED INTO EXISTING CU-1 SYSTEM. COMPLETE WITH HANGERS, SUPPORTS, PIPING, CONDENSATE DRAIN, WALL MOUNTED THERMOSTAT, ELECTRICALS, ETC. FINAL REFRIGERANT PIPING SIZES TO BE PROVIDED BY MANUFACTURER.
6. FURNISH AND INSTALL NEW BOOSTER FAN, BF-AC-S01, OF SIZES AND CAPACITES SCHEDULED. COMPLETE WITH HANGERS, DUCT CONNECTIONS, DAMPERS, CONTROLS, ELECTRICALS, ETC.
7. TIE-IN NEW REFRIGERANT PIPING INTO EXISTING FUTURES ON BC CONTROLLER, BC-CU-1.
8. EXISTING EXHAUST AIR GRILLE TO BE RE-INSTALLED WITHIN ELECTRICAL ROOM.
9. CONTRACTOR TO TAKE PRE-CONSTRUCTION AIR READING AND SUBMIT TO ENGINEER FOR REVIEW. NEW EXHAUST CFM TO MATCH EXISTING.
10. EXISTING THERMOSTAT TO BE RELOCATED.

MECHANICAL PLAN NOTES

1. SIZES & LOCATIONS OF EXISTING HVAC/MECH, EQUIPMENT, DUCTWORK, PIPING, AIR INLETS/OUTLETS, ETC. SHOWN ON DRAWINGS ARE BASED ON EXISTING DRAWINGS & SITE OBSERVATIONS & THEY ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE TO VERIFY EXACT LOCATIONS IN FIELD.
2. NOT ALL EXISTING HVAC/MECHANICAL EQUIPMENT, DUCTWORK, PIPING, VALVES, ETC. ARE SHOWN ON DRAWINGS. VERIFY IN FIELD.
3. SAWCUT & CORE DRILL EXIST. WALLS/FLOORS/CLG./ROOF FOR NEW DUCTWORK/PIPING/CONDUIT PENETRATIONS. PATCH & CAULKS WITH 2-HR RATED FIRESTOPPING MATERIALS. ANY CUTTING, PATCHING, OR FINISH REPAIR WORK REQUIRED FOR MECHANICAL INSTALLATION IS THE RESPONSIBILITY OF THE CONTRACTOR.
4. ALL NEW DUCTWORK SHALL BE INSTALLED AND CONCEALED ABOVE CEILING, UNLESS OTHERWISE NOTED. NEW DUCTWORK SHALL BE INTERNALLY LINED ACCORDING TO THE HVAC MATERIALS NOTES ON M0.01.
5. CONTRACTOR SHALL INSTALL ALL NEW DUCTWORK AS HIGH AS POSSIBLE. ALL NEW DUCTWORK SHALL BE PROPERLY SECURED AS PER MECHANICAL SPECIFICATIONS.
6. ALL DUCTWORK AND PIPING SHALL BE SUPPORTED FROM BUILDING STRUCTURE.
7. SHEET METAL DUCTWORK DIMENSIONS SHOWN ARE CLEAR INSIDE DIMENSIONS
8. CONTRACTOR IS REQUIRED TO PROPERLY PROTECT EXISTING FLOORS, WALLS, FURNITURE, EQUIPMENT, ETC. DURING CONSTRUCTION ALL DAMAGED ITEMS SHALL BE REPAIRED/REPLACED, AT EXPENSE OF THE CONTRACTOR. REMOVE PROTECTIONS AFTER ALL WORK IS COMPLETE & VACUUM CLEAN ALL AREAS TO BE FREE OF DUST & DEBRIS
9. PATCH ALL OPENING ON WALLS & CEILINGS AFTER EXISTING EQUIPMENT, DUCTWORK, PIPING, CONDUIT & WIREMOLD, ETC. ARE REMOVED. INFILL & PATCH W/ SUITABLE MATERIALS TO MAINTAIN FIRE RATING & PAINT TO MATCH EXISTING.
10. ANY CUTTING, PATCHING, OR FINISH REPAIR WORK REQUIRED FOR MECHANICAL DEMOLITION IS THE RESPONSIBILITY OF THE CONTRACTOR.
11. CONTRACTOR SHALL VERIFY IN FIELD EXACT DUCTWORK AND PIPE ROUTING AND CONNECTIONS. CONTRACTOR SHALL COORDINATE WITH ALL TRADES BEFORE ANY WORK IS TO BE PERFORMED. REPORT AND DISCREPANCIES TO ENGINEER.

NJ Certificate of Authorization	
Eng'r. Nos.	24GA27937500
Arch. Nos.	21AC00012400
Date	6/17/26
Checked	MB
Drawn	KD

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MECHANICAL PROPOSED PLANS

INERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
300 DELCANO ROAD, EDGEWATER PARK NJ 08010

Job No. 20554.03

File No. 2055403 M201

M2.01

INDOOR VRF AC / HEAT PUMP TERMINAL UNIT SCHEDULE

(MITSUBISHI AS STANDARD)

TAG	ASSOCIATED CONDENSING UNIT	AREA SERVED	TYPE	CFM	COOLING TMBH	HEATING TMBH	REFRIG TYPE	PIPE CONNECTIONS (In.)			ELECTRICAL DATA			DIMENSIONS (L x D) (In.)	APPROX. WEIGHT (Lbs)	MODEL	MANUFACTURER	NOTES
								RS	RL	COND.	V / Ph / Hz	MCA	MOP					
AC-109A	CU-1 (EXISTING)	SGI ROOM 109A	CASSETTE	335	12,000	13,500	R-410A	1/2"	1/4"	1-1/4"	208 / 1 / 60	0.29	15	22-7/16 x 22-7/16	31.3	TPLFYP012FM140B	MITSUBISHI	REFER TO NOTE(S) BELOW
AC-S01	CU-1 (EXISTING)	WORK ROOM S01	CASSETTE	315	8,000	9,000	R-410A	1/2"	1/4"	1-1/4"	208 / 1 / 60	0.22	15	22-7/16 x 22-7/16	28.9	TPLFYP008FM140B	MITSUBISHI	REFER TO NOTE(S) BELOW

NOTES:
1. ALL INDOOR UNITS SHALL BE PROVIDED A CONDENSATE LIFT PUMP FROM THE UNIT MANUFACTURER.
2. EACH CEILING-MOUNTED CASSETTE UNIT SHALL HAVE VARIABLE SPEED DC MOTOR, 4-WAY AIRFLOW GRILLE.
3. PROVIDE W/ WALL-MOUNTED THERMOSTAT. TIE NEW UNITS INTO EXISTING TRANE CONTROLLER FOR CU-1 SYSTEM
4. PROVIDE W/ PROPER REFRIGERANT CHARGE FOR ALL UNITS.
5. PROVIDE OUTSIDE AIR BOOSTER FAN FOR AC-S01. INTERLOCK AC UNIT WITH FAN AND MOTORIZED DAMPER

BOOSTER FAN SCHEDULE

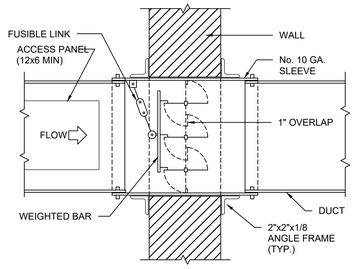
(FANTECH AS STANDARD)

TAG	LOCATION	UNIT SERVED	CFM	DESIGN CFM	STATIC PRESSURE LOSS (IN)	ELECTRICAL DATA				DUCT INLET/ OUTLET (IN.)	APPROX WEIGHT (Lbs)	MODEL	MANUFACTURER	NOTES
						AMPS	WATTS	RPM	V / Ph / Hz					
BF-AC-S01	CORRIDOR 3	AC-S01	MAX. 123	30	0.51	0.18	25	2,886	120 / 1 / 60	4	6	FGC-4	FANTECH	SEE NOTE(S) BELOW

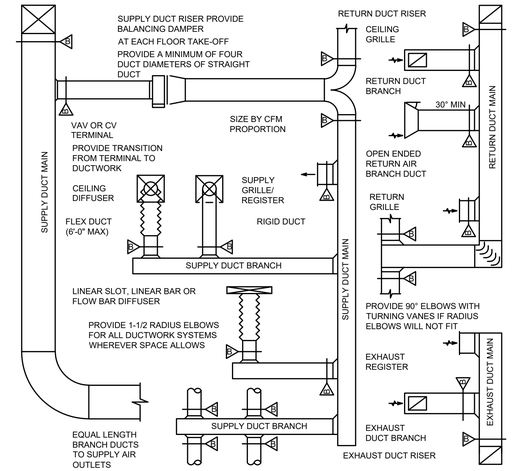
NOTES: USE AS INLINE BOOSTER FAN, PROVIDE HANGING SUPPORTS, FLEXIBLE CONNECTIONS, AND DISCONNECT SWITCH. INTERLOCK MOTORIZED DAMPER WITH RESPECTIVE AC UNIT.

VENTILATION INDEX

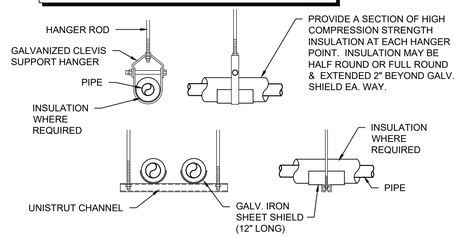
ROOM NAME	ROOM #	UNIT SERVED	FLOOR AREA (Sq Ft)	REQUIRED OA CFM/SqFt	REQUIRED OA for SPACE	MAX OCCUPANTS	REQUIRED OA per PERSON	OA For OCCUPANTS	TOTAL MIN. OA REQUIRED	DESIGN		REMARKS
										OA (CFM)	EXH (CFM)	
WORK ROOM	S01	AC-S01	285	0.06	17	2	5	10	27	30	-	-
SGI ROOM	112B	(E) DOAS-1	370	0.12	44	9	10	90	134	135	-	-
MEDIA CENTER	112	(E) DOAS-1	1785	0.12	214	45	10	450	664	*665	-	*400 OA CFM FROM ADDITIONAL SUPPLY GRILLE NOT SHOWN ON DRAWINGS
SGI ROOM	109A	(E) DOAS-1	320	0.12	38	10	10	100	138	225	-	-
FACULTY LOUNGE	109	(E) DOAS-1	500	0.06	30	13	5	65	95	225	-	-



1 M6.01 Fire Damper In-Wall Detail
N.T.S.



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

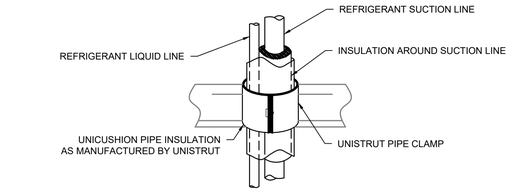


2 M6.01 PIPE SUPPORT DETAILS
N.T.S.

General Notes

1. REFER TO HVAC FLOOR PLANS FOR DUCT SIZES
2. REFER TO SCHEDULES FOR GRILLES, REGISTERS, DIFFUSERS AND TERMINAL SIZES AND TYPES
3. PROVIDE A MANUAL TYPE BALANCING DAMPER FOR EACH SUPPLY OUTLET AND RETURN INLET
4. ALL DUCT RUNOUTS TO DIFFUSERS SHALL BE THE SAME SIZE AS DIFFUSER NECK SIZE, UNLESS OTHERWISE NOTED
5. FLEX DUCT WILL NOT BE ALLOWED ON RETURN OR EXHAUST DUCTWORK SYSTEMS
6. PROVIDE 12" AIR CUSHION AT THE END OF EACH SUPPLY MAIN AND BRANCH DUCT
7. INDIVIDUAL BRANCH BALANCING DAMPERS NOT REQUIRED FOR SUPPLY OR EXHAUST REGISTERS
8. VOLUME DAMPER

3 M6.01 DUCTWORK INSTALLATION DIAGRAM
N.T.S.



NOTES:

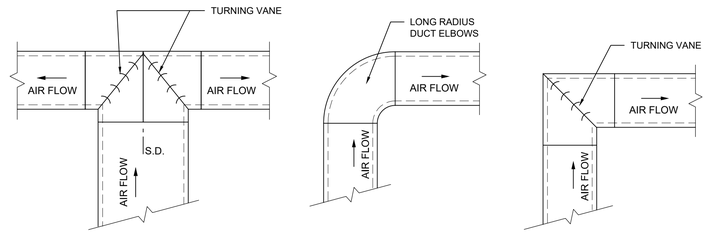
1. LIQUID AND SUCTION LINES MAY BE ROUTED TOGETHER FOR CONVENIENCE, BUT MUST BE COMPLETELY INSULATED FROM EACH OTHER. DO NOT SOLDER LIQUID AND SUCTION LINES TOGETHER. DO NOT ALLOW METAL TO METAL CONTACT.

2. LINES SHOULD BE INSTALLED WITH AS FEW BENDS AS POSSIBLE, ALLOWING SERVICE ACCESS TO THE INDOOR COIL.

3. SLOPE HORIZONTAL SUCTION LIENS 1 INCH EVERY 20 FEET TOWARD THE OUTDOOR UNIT.

4. USE LONG RADIUS ELBOWS WHEREVER POSSIBLE, EXCEPT IN OIL RETURN TRAPS, WHERE SHORT RADIUS ELBOWS SHALL BE USED.

4 M6.01 REFRIGERANT PIPING SUPPORTS DETAIL
N.T.S.

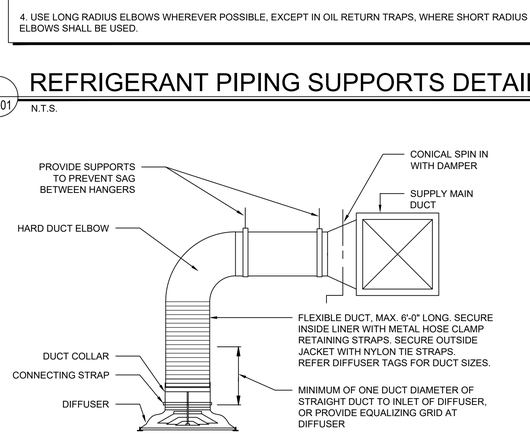


5 M6.01 DUCT TURN DETAIL
N.T.S.

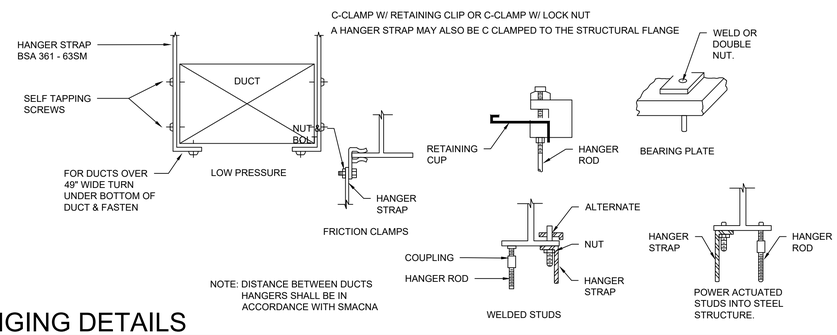
VELOCITY*	DIMENSIONS			
	A	B	C	E
0-2500 FPM	3"	12"	4"	12"

LINER SHALL BE ADHERED TO THE DUCT WITH 90% MIN. AREA COVERAGE OF ADHESIVE

6 M6.01 FLEXIBLE DUCT LINER INSULATION DETAIL
N.T.S.

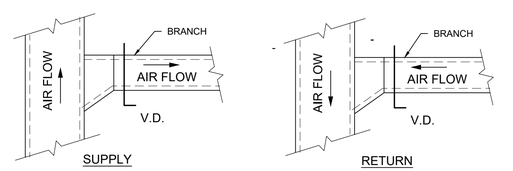


7 M6.01 DIFFUSER FLEXIBLE DUCT CONNECTION
N.T.S.



NOTE: DISTANCE BETWEEN DUCTS HANGERS SHALL BE IN ACCORDANCE WITH SMACNA

8 M6.01 DUCT HANGING DETAILS
N.T.S.



9 M6.01 DUCT / DIFFUSER TAKE OFF DETAIL
N.T.S.

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Title: PROFESSIONAL ENGINEER
License No. NJ24GE04901100

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Revisions:
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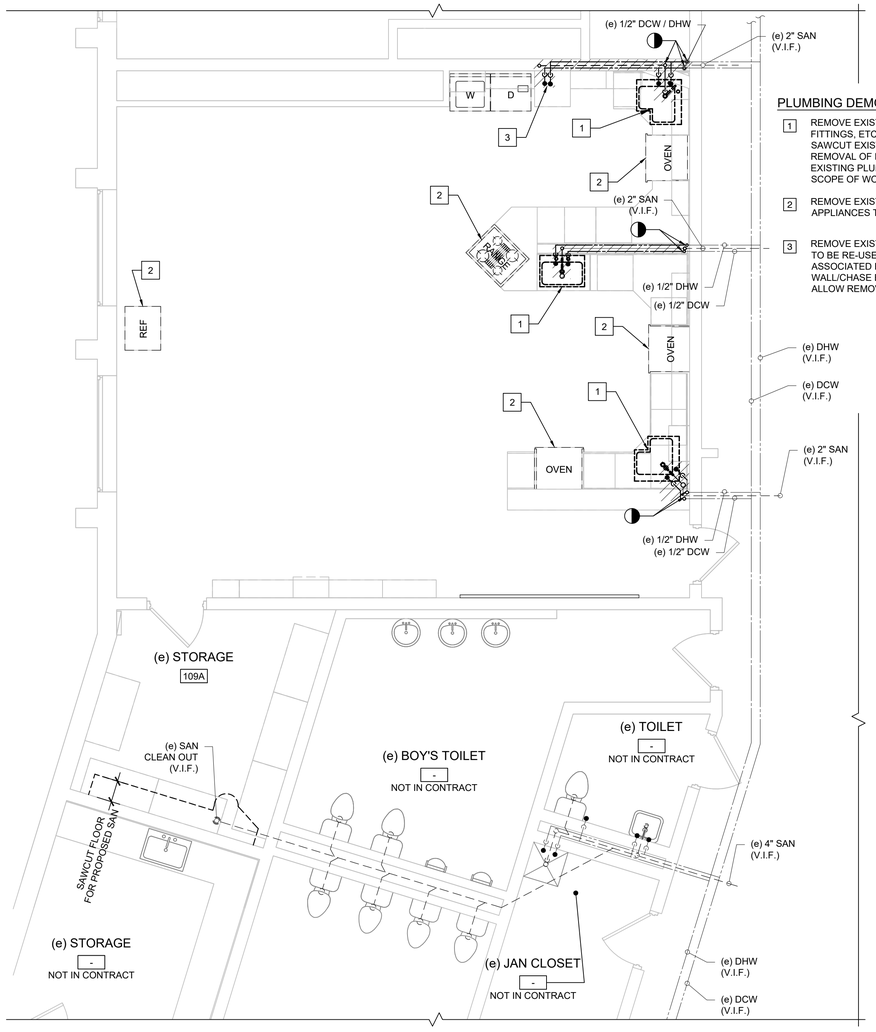
LAN ASSOCIATES
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MECHANICAL SCHEDULES AND DETAILS
INERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
300 DELANCO ROAD, EDGEWATER PARK NJ 08010

State Project#: 1280-070-27-1000

Job No. 2.20554.03
File No. 2055403 M601

M6.01



PLUMBING DEMOLITION KEY NOTES

1. REMOVE EXISTING SINK & ALL RELATED CASEWORK, ASSOCIATED PIPING, VALVES, FITTINGS, ETC. REMOVE ALL RELATED PIPING WITHIN WALL/CHASE BEING DEMOLISHED. SAWCUT EXISTING MASONRY WALL OR CONCRETE FLOOR AS REQUIRED TO ALLOW REMOVAL OF EXISTING AND INSTALLATION OF NEW SCOPE OF WORK. CUT AND MODIFY EXISTING PLUMBING AND SANITARY LINES AS REQUIRED TO ACCOMMODATE NEW SCOPE OF WORK
2. REMOVE EXISTING ELECTRIC RANGE/OVEN COMBO & REFRIGERATOR. RETURN ALL APPLIANCES TO THE DISTRICT.
3. REMOVE EXISTING WASHER AND DRYER. RETURN ALL APPLIANCES TO THE DISTRICT TO BE RE-USED IN PROPOSED LOCATION. REMOVE ALL RELATED CASEWORK, ASSOCIATED PIPING, VALVES, FITTINGS, ETC. REMOVE ALL RELATED PIPING WITHIN WALL/CHASE BEING DEMOLISHED. SAWCUT EXISTING WALL OR FLOOR AS REQUIRED TO ALLOW REMOVAL OF EXISTING AND INSTALLATION OF NEW SCOPE OF WORK

GENERAL PLUMBING DEMOLITION NOTES

1. CONTRACTOR TO NOTE THAT LOCATIONS & SIZES OF EXIST. PLUMBING PIPING SHOWN (WASTE, VENT, DCW, DHW, DHWR, ETC) ARE BASED ON FIELD OBSERVATIONS AND AVAILABLE BLUEPRINTS AND ARE APPROXIMATE. CONTRACTOR SHALL INVESTIGATE/TRACE (WITH CAMERA OR ELECTRONIC DEVICES) THE EXISTING SANITARY WASTE LINES TO BE REMOVED/REPLACED OR RESCHEDULED TO BE REUSED. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES. EXISTING VENTING AND WATER LINES ARE SHOWN GRAPHICALLY TO GIVE AN HONEST REPRESENTATION OF THE EXISTING CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL SIZES & LOCATIONS IN FIELD.
2. ALL SANITARY LINES BEING DEMOLISHED SHALL BE REMOVED BACK TO THE MAINS. DEAD END SHALL NOT EXCEED THE MAXIMUM LENGTH PER LATEST PLUMBING CODE.
3. REMOVE ALL EXIST. ABANDONED ROUGH-IN PIPING, WHETHER THEY ARE SHOWN OR NOT ON THE DRAWING. PATCH EXISTING FLOOR OPENINGS WHERE ARE NOT REUSED FOR NEW PIPE PENETRATIONS. PAINT TO MATCH EXISTING CEILING FINISH.
4. ANY CUTTING, PATCHING, OR FINISH REPAIR WORK REQUIRED FOR PLUMBING DEMOLITION IS THE RESPONSIBILITY OF THE PLUMBING SUBCONTRACTOR.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR SHUTDOWN AND/OR TO ISOLATE SECTIONS OF PLUMBING SYSTEM, AND DRAIN WATER FROM THE SYSTEM TO ACCOMMODATE FOR DEMOLITION. RESTORE THE SYSTEM AS REQUIRED.
6. ANY SHUT-DOWNS MUST BE COORDINATED WITH THE OWNER MIN 72 HOURS IN ADVANCE. THE CONTRACTOR SHALL NOT SHUT DOWN ENTIRE SECTIONS OF THE BUILDING AT ONE TIME. PROVIDE BYPASS LINES AS NECESSARY TO WORK ON INDIVIDUAL BATHROOMS WHILE MAINTAINING THE INTEGRITY OF THE REST OF THE PLUMBING SYSTEM.
7. SAWCUT EXIST. WALLS/CHASES/FLOOR SLABS/CEILING AS REQUIRED FOR DEMOLITION OF ALL EXIST. PLUMBING FIXTURES & PIPING. PATCH TO MATCH EXISTING.

	Existing To Remain	Demolition
Domestic Cold Water		
Domestic Hot Water		
Sanitary Waste		
Sanitary Vent		
Point of Disconnection from Existing		

NOTE:
CONTRACTOR SHALL SNAKE, SCOPE, AND TELEVISE ALL EXISTING WASTE LINES THAT ARE TO BE REUSED TO ENSURE THEY ARE CLEAR AND FREE FROM DEBRIS, DEFECTS, CRACKS, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR TELEVISING ALL WASTE LINES FOR A MINIMUM OF FIFTY (50') FEET FROM THE END OF LINE CLEANOUT AT A GROUP OF FIXTURES. CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY IF DEFECTS IN THE EXISTING PIPING ARE FOUND.

A P1.01 PARTIAL PLUMBING DEMOLITION PLAN - HOME EC

1/4" = 1'-0"

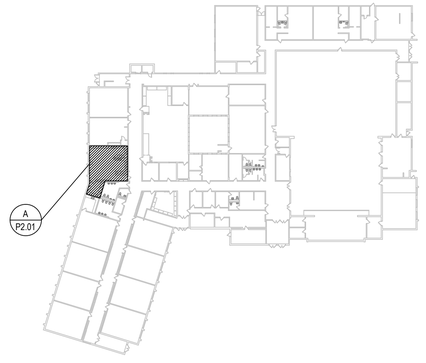
Plumbing Existing Condition Notes - Sub-Surface

THE EXISTING SUBSURFACE PIPING SHOWN ON THE CONTRACT DRAWINGS IS BASED UPON THE ORIGINAL DESIGN DRAWINGS SHOULD NOT BE CONSIDERED AS-BUILT AND INTENDED TO CONVEY THE DESIGN INTENT. CHANGES MADE ON SITE SINCE THE DESIGN DRAWING WERE PRODUCED MAY NOT BE REFLECTED ON THESE DRAWINGS.

THE CONTRACT DRAWINGS ARE, IN PART, DIAGRAMMATIC AND ARE INTENDED TO CONVEY THE GENERAL SCOPE AND INTENT OF THE WORK AS WELL AS INDICATE THE GENERAL ARRANGEMENT OF THE EQUIPMENT. THE CONTRACTOR IS TO COMPLY WITH THE DRAWINGS FOR GENERAL LAYOUT OF THE WORK AND IF THERE ARE DISCREPANCIES, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY. PROVIDE ALL RELATED ACCESSORIES REQUIRED FOR A COMPLETE OPERATIONAL AND SATISFACTORY INSTALLATION REQUIRED FOR CONTINUOUS USE BY OWNER.

AS INDICATED ABOVE, DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE SIZE AND GENERAL ARRANGEMENT OF PIPING, EQUIPMENT, AND SPECIALTIES. EXACT LOCATIONS AND ROUTINGS SHALL BE DETERMINED IN THE FIELD BEFORE AND AS THE WORK PROGRESSES.

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCEMENT OF ANY WORK. ANY REQUIRED CHANGES TO WORK SHOWN ON DRAWINGS SHALL BE COORDINATED WITH ARCHITECT/ENGINEER AND OTHER TRADES PRIOR TO CONSTRUCTION.



KEY PLAN (SAMUEL RIDGEWAY)

N.T.S.

NORTH

State Project#: 1280-070-27-1000

NJ Certificate of Authorization

Engr. Nos.	24GA27937500
Arch. Nos.	21AC00012400
Date	11/10/26
Checked	TW
Drawn	RJS

THOMAS WIGHARD, P.E.
Title PROFESSIONAL ENGINEER
License No. NJ24GE04901100

Revisions:

BID SET 11/10/26

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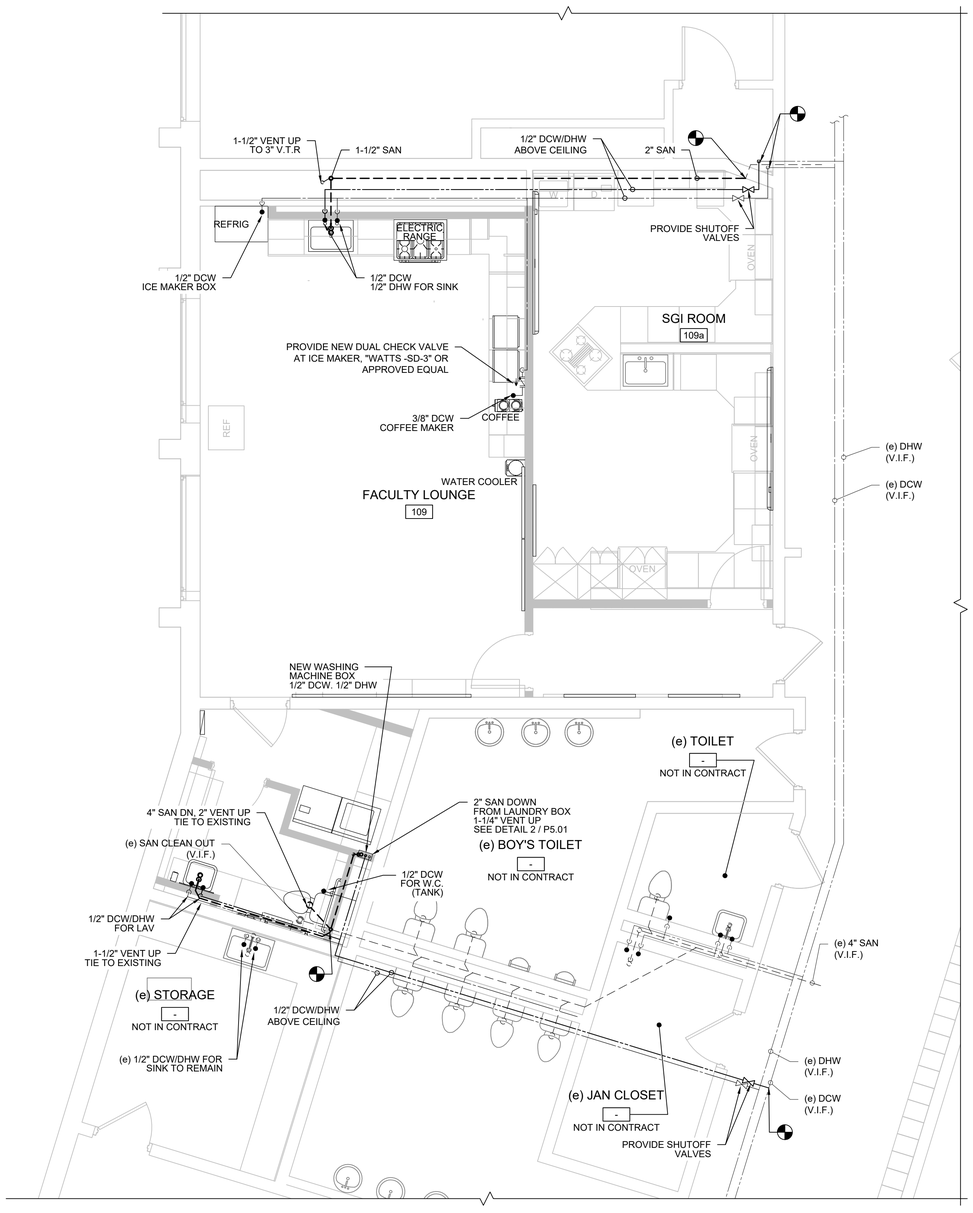
PLUMBING DEMOLITION PLANS & DETAILS

INERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
300 DELANCO ROAD, EDGEWATER PARK NJ 08010

Job No. 2.20554.03

File No. 2055403 P201

P1.01



A P2.01

PARTIAL PLUMBING PLAN - FACULTY / SGI ROOM

1/4" = 1'-0"

	Existing To Remain	Proposed
Domestic Cold Water		
Domestic Hot Water		
Sanitary Waste		
Sanitary Vent		
Point of Connection to Existing		

Plumbing Notes

1. PLUMBING CONTRACTOR SHALL VISIT JOB SITE AND NOTE ALL EXISTING CONDITIONS TO BE MET BEFORE SUBMITTING BID. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND SHOW THE INTENT OF WORK.
2. PLUMBING CONTRACTOR TO PROCURE AND PAY FOR ALL NECESSARY PERMITS AND LICENSES REQUIRED TO CARRY OUT WORK, OBTAIN AND PAY FOR ALL NECESSARY CERTIFICATES OF APPROVAL FOR WORK, AND PAY FOR ANY LEGAL FEES.
3. INSTALLATION TO COMPLY WITH ALL FEDERAL, STATE, MUNICIPAL LAWS, AND ALL CODES, RULES, ORDINANCES, AND REGULATIONS OF HEALTH, PUBLIC OR OTHER AUTHORITIES CONTROLLING OR LIMITING THE METHODS, MATERIALS TO BE USED OR ACTIONS OF THOSE EMPLOYED IN THE WORK
4. PLUMBING CONTRACTOR TO PROVIDE TEMPORARY WATER. OWNER TO PAY FOR WATER CONSUMED.
5. PIPE INSTALLATION AS FOLLOWS:
   - 5.A. RUN ALL PIPING CONCEALED IN CEILINGS, WALLS AND PARTITIONS
   - 5.B. ALL PIPING TO BE PITCHED TO LOW POINTS WITH DRAIN VALVES, SOIL, STORM, AND WASTE TO BE SLOPED @ 1/8" PER FOOT MIN.
   - 5.C. SLEEVE PIPING THAT PASSES THROUGH WALLS
   - 5.D. FLASH ALL PIPING THAT PASSES THROUGH ROOF.
   - 5.E. PROVIDE ROD HANGERS WITH CLEVIS PIPE SUPPORT PER NATIONAL PLUMBING CODE 2015.
   - 5.F. PROVIDE VALVES REQUIRED FOR COMPLETE CONTROL OF ALL SYSTEMS. STOP VALVES FOR SUPPLY TO ALL FIXTURES TO BE CHROME PLATED WHERE EXPOSED.
   - 5.G. PROVIDE ACCESS DOORS FOR ALL CONCEALED VALVES AND CLEANOUTS
6. PLUMBING CONTRACTOR TO PERFORM ALL TESTING OF THE PLUMBING WORK IN THE PRESENCE OF THE OWNER. PROVIDE ALL APPARATUS, TEMPORARY CONNECTIONS, AND OTHER REQUIREMENTS TO DO SUCH TESTS. ANY DEFECTS, LEAKS, ETC. WILL BE REPLACED AND TEST REPEATED UNTIL TEST REQUIREMENTS ARE MET.
7. SUBMIT SHOP DRAWINGS OF ALL WORK TO BE DONE, EQUIPMENT, AND FIXTURES FURNISHED.
8. PLUMBING CONTRACTOR TO CARRY OUT PERIODIC CLEANING TO REMOVE RUBBISH ETC., TO LEAVE PREMISES FREE FROM DEBRIS, AND DISCARDED MATERIALS. AFTER INSTALLATION, CLEAN FIXTURES, FITTINGS, ETC. AND LEAVE READY FOR USE.

Plumbing System Materials

PIPING:

ABOVE GROUND STORM, WASTE & VENT PIPING SHALL BE NO-HUB SERVICE WEIGHT CAST IRON PIPE WITH STAINLESS STEEL, SHIELDED COUPLINGS.

UNDERGROUND STORM, WASTE & VENT PIPING SHALL BE BELL AND SPIGOT SERVICE WEIGHT CAST IRON PIPE WITH NEOPRENE (TY-SEAL) GASKETS.

HOT AND COLD WATER PIPING ABOVE GRADE SHALL BE TYPE "L" COPPER WITH WROUGHT COPPER SOLDER FITTINGS, SILVABRITE 100 LEAD-FREE SOLDER. HOT AND COLD WATER PIPING BELOW GRADE SHALL BE TYPE "K" COPPER WITH NO FITTINGS.

INSULATION:

ALL HOT AND COLD WATER PIPING SHALL BE INSULATED WITH FIBERGLASS PIPE INSULATION WITH ASJ JACKET. REFER TO SPECIFICATIONS FOR INSULATIONS REQUIREMENTS

ALL CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1" THICK ARMAFLX PIPE INSULATION.

CLEANOUTS:

FLOOR: J.R. SMITH #4023 w/ROUND NICKEL-BRONZE TOP

WALL: J.R. SMITH #4532 w/ROUND STAINLESS STEEL TOP.

ACCESSIBLE PIPE INSULATION:

INSTALL INSULATION AT EXPOSED PIPING AT ALL LAVATORIES AS FOLLOW: LAVATORY P-TRAP AND ANGLE VALVE ASSEMBLIES SHALL BE INSULATED WITH "HANDI LAV-GUARD" FULLY MOLDED PVC INSULATION KIT #102 BY TRUEBRO OR APPROVED EQUAL.

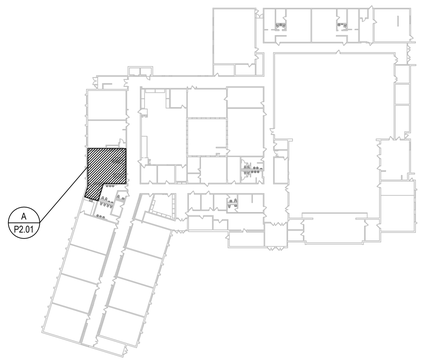
**WHEN A DISCREPANCY OCCURS BETWEEN DESIGN DRAWINGS AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENTS SHALL BE APPLIED FOR THE PROJECT.

FINISHED CEILING NOTES:
CONTRACTOR IS REQUIRED TO TEMPORARILY REMOVE EXISTING CEILING GRIDS AND RELOCATE EXISTING LIGHT FIXTURES, FIRE AND COMMUNICATION DEVICES, ETC. TO ACCOMMODATE PLUMBING INSTALLATION. REINSTALL TO MATCH EXISTING. REPLACE ALL DAMAGED TILES. MODEL AND TYPE OF NEW CEILING TILES SHALL MATCH EXISTING.

General Notes

1. ALL WORK SHALL CONFORM TO NEW JERSEY STATE ENERGY CODE, NATIONAL STANDARD PLUMBING CODE 2021, AND ALL OTHER APPLICABLE CODES, ORDINANCES, AND LOCAL AUTHORITY HAVING JURISDICTION.
2. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE EXTENT AND SCOPE OF THE WORK PRIOR TO SUBMITTING BIDS OR COMMENCING WORK.
3. CONTRACTOR SHALL REVIEW DRAWINGS AND FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES, AND ADDRESS ALL QUESTIONS TO ARCHITECT/ENGINEER PRIOR TO COMMENCING WORK.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP WORK AREAS UPON COMPLETION OF WORK.
5. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS, FEES AND INSPECTIONS PRIOR TO COMMENCING WORK. UPON COMPLETION OF WORK THE CONTRACTOR SHALL SECURE CERTIFICATE OF OCCUPANCY.
6. CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLISHED MATERIAL OF SITE IN AN APPROVED MANNER.

DOMESTIC WATER PIPING HAS BEEN SIZED ACCORDING TO NSPC 2021-NJ, TABLE B.7.3.C (4-FPS)



KEY PLAN (SAMUEL RIDGEWAY)

N.T.S.

NORTH

State Project#: 1280-070-27-1000

NJ Certificate of Authorization	
Engr. Nos.	24GA27937500
Arch. Nos.	21AC00012400
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Drawn	RJS

THOMAS WIGHARD, P.E. — Title: PROFESSIONAL ENGINEER — License No. NJ24GE04901100

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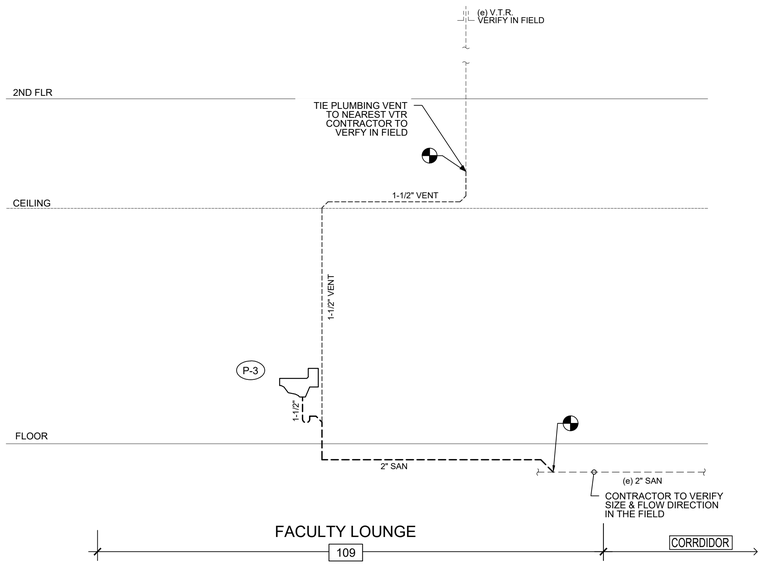
PLUMBING PLANS AND DETAILS

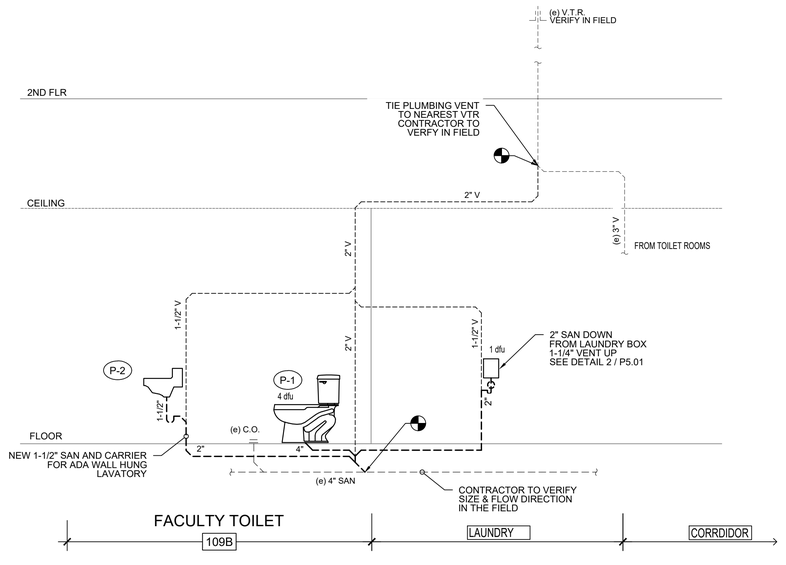
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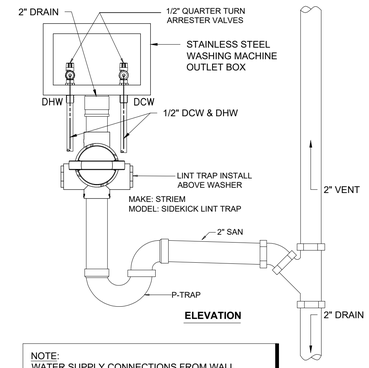
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P2.01



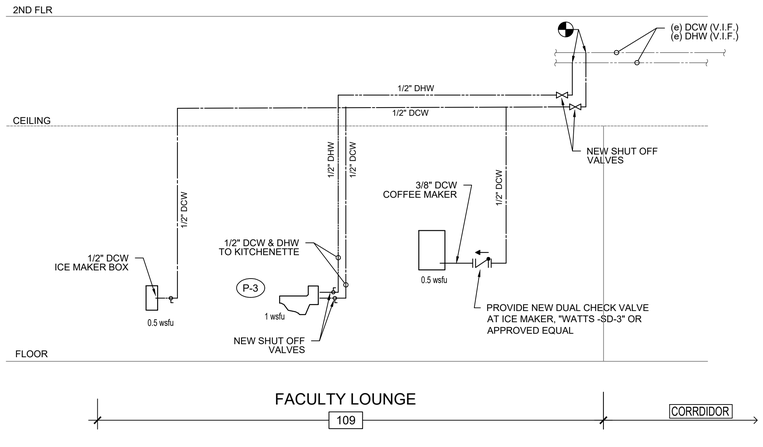


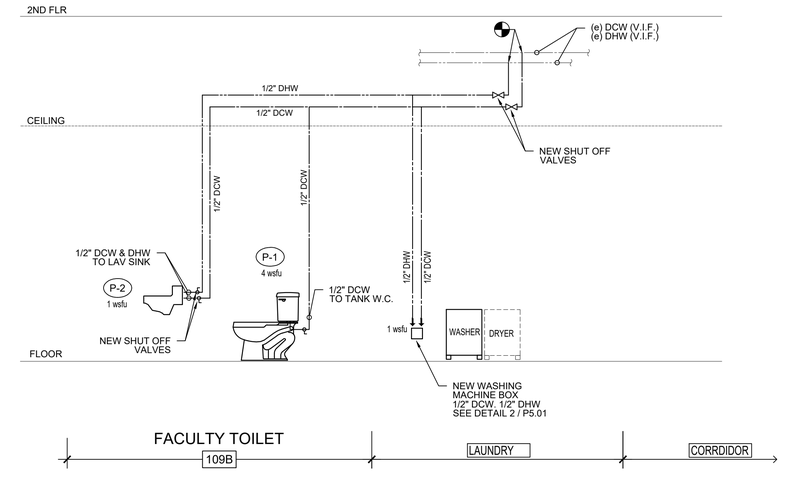


NOTE:
WATER SUPPLY CONNECTIONS FROM WALL BOXES TO AUTOMATIC CLOTHES WASHERS SHALL BE MADE WITH FLEXIBLE STAINLESS STEEL HOSES.

2 / P5.01 WASHING MACHINE RECESSD WALL BOX DETAIL (ELEVATION)
N.T.S.

1S / P5.01 PLUMBING RISERS - SANITARY/VENTING
N.T.S.





1D / P5.01 PLUMBING RISERS - DOMESTIC WATER
N.T.S.

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PLUMBING RISERS AND DETAILS
INERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
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300 DELANCO ROAD, EDGEWATER PARK NJ 08010

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P5.01

PLUMBING FIXTURE SCHEDULE

NUMBER	FIXTURE	MANUFACTURER	MODEL NO.	TRIM NO.	SUPPLY PIPE #	TRAP NO.	PIPE SIZES					NOTES
							TRAP	WASTE	VENT	DCW	DHW	
P-1	WATER CLOSET	AMERICAN STANDARD	CADET 215AA.10-	-	McGUIRE LF158		INTERGAL	4"	2"	1/2"		FLOOR MOUNTED TANK TOILET. CADET PRO, RIGHT HEIGHT ELONGATED TOILET, 1.28 GPF WATER CLOSETS MEET ADA HEIGHT REQUIREMENTS. COLOR SHALL BE WHITE. PROVIDE w/ AMERICAN STANDARD #5901.100SS OPEN FRONT SEAT, LESS COVER.
P-2	LAVATORY SINK	AMERICAN STANDARD	LUCERNE 0356.421	CHICAGO 116.606.AB.1	McGUIRE LF158	McGUIRE 8902C	1-1/2" x 1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	WALL MOUNTED LAV . COLOR SHALL BE "WHITE". PROVIDE w/ ONE FAUCET w/ MIXING VALVE- "LFMMV" BY WATTS & 4" TRIM PLATES, ONE (1) GRID DRAIN, & CONCEAL ARM SUPPORT CARRIER JR SMITH #0700 BRACKETS. PROVIDE ADEQUATE STRUCTURAL SUPPORT IN OR BEHIND THE WALL AS REQUIRED. INSTALL TO MEET ADA REQUIREMENTS. INSULATE WATER AND WASTE WITH ADA INSULATION KIT.
P-3	KITCHENETTE	ELKAY/DAYTON	D12522	DELTA 9913.DST	McGUIRE LF158	McGUIRE 8902C	1-1/2" x 1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	NEW COUNTERTOP MOUNTED KITCHENETTE SINK, DAYTON D12522 SINGLE BOWL STAINLESS STEEL; FAUCET, DELTA 9913.DST, MIXING VALVE- "LFMMV" BY WATTS. PROVIDE NEW SHUT OFF VALVES AND P-TRAP

ABBREVIATIONS

&	=	AND
ø	=	DIAMETER OR ROUND
ADD'L	=	ADDITIONAL
AFF	=	ABOVE FINISHED FLOOR
ALT	=	ALTERNATE
ARCH.	=	ARCHITECTURAL
BLDG	=	BUILDING
CD	=	CONDENSATE DRAIN
CLG	=	CEILING
CO	=	CLEANOUT
CODP	=	CLEANOUT DECK PLATE
COWP	=	CLEANOUT WALL PLATE
DCW	=	DOMESTIC COLD WATER
DDC CONTROL	=	DIRECT DIGITAL
DHW	=	DOMESTIC HOT WATER
DHWR RETURN	=	DOMESTIC HOT WATER
DN	=	DOWN
DWG	=	DRAWING
EA	=	EACH
EXIST	=	EXISTING
FD	=	FLOOR DRAIN
GPH	=	GALLON PER HOUR
HWH HEATER	=	DOMESTIC HOT WATER
ID	=	INSIDE DIAMETER (DIM)
IN	=	INCH
INFO	=	INFORMATION
LAV	=	LAVATORY
MAX	=	MAXIMUM
MECH	=	MECHANICAL
MIN	=	MINIMUM
NTS	=	NOT TO SCALE
OD	=	OUTSIDE DIAMETER
RPZ PRINCIPLE	=	REDUCED PRESSURE BACKFLOW PREVENTER
SPEC	=	SPECIFICATION
SS	=	STAINLESS STEEL
STD	=	STANDARD
T&P PRESSURE	=	TEMPERATURE &
TMV VALVE	=	THERMOSTATIC MIXING
TYP	=	TYPICAL
VTR	=	VENT THROUGH ROOF
W/	=	WITH
W/O	=	WITHOUT
WC	=	WATER CLOSET
WT	=	WEIGHT

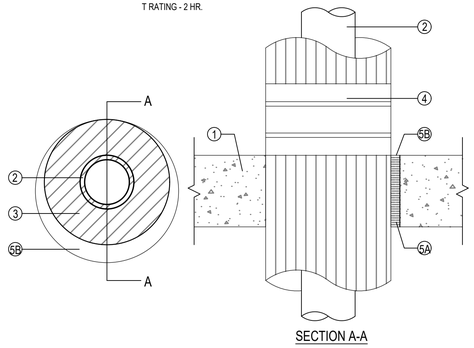
PIPING LEGEND & SYMBOLS

NOT TO SCALE

- SANITARY WASTER PIPING
- SANITARY VENT PIPING
- DOMESTIC COLD WATER (DCW) PIPING
- DOMESTIC HOT WATER (DHW) PIPING
- DOMESTIC HOT WATER RETURN (DHWR) PIPING
- GAS PIPING (GAS)
- CONDENSATE DRAIN PIPING
- PIPE TURN UP
- PIPE TURN DOWN
- PIPE TOP CONNECTION
- PIPE BOTTOM CONNECTION
- SHUTOFF BALL VALVE (OR)

UL SYSTEM NO. C-BJ-5011

F RATING - 2 HR.
T RATING - 2 HR.



1. Floor or Wall Assembly - Min 5-½ in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max daim. of opening is 14 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through Penetrants - One metallic pipe or tubing to be installed either concentrically or eccentrecally within the firestop system. Pipe or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   B. Iron Pipe - Nom 6in. diam. (or smaller) cast or ductile iron pipe.
3. Pipe Covering* - Cellular Glass Insulation - Max 3 in. thick cellular glass units sized to the outside diam. of the steel pipe and supplied in nom 24 in. long half sections or nom 18 in. long segments. The annular space shall be min 0 in. (point contact) to max 2 in. Pipe insulation installed on pipe in accordance with the manufacturer's instructions. PITTSBURGH CORING CORP - FOAMGLAS
4. Metal Jacket - Min. 12 in. long jacket formed on min. 0.010 in. thick steel or aluminum sheet cut to wrap tightly around the pipe insulation with a min. 2 in. lap. Jacket secured with min. ½ in. wide stainless steel hose clamps or bands located within 2 in. of each end of the jacket and spaced a max. of 10 in. O.C.

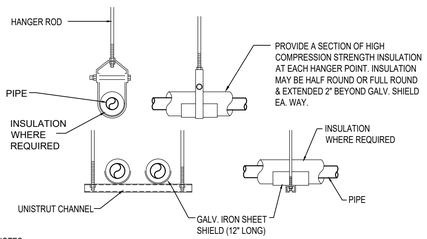
   Jacket to be installed with edges abutting surface of caulk fill material (Item 5) on both surfaces of wall. Metal jacket to be used in addition to any other jacketing material which may be required to or desired on the pipe insulation.
5. Firestop System - The firestop system shall consist of the following:
   A Packaging Material - Min 5 in. thickness of min. 4 pcf mineral woll batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
   B Fill, Void or Cavity Material* - Sealant - Min. ½ in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. At point contact location between penetrant and periphery of opening, a min. ½ in. diam. bead of fill material shall be applied at the periphery of opening/pipe covering interface on top surface of floor assembly or both surfaces of wall assembly. JOHNS MANVILLE INTERNATIONAL INC - Firetemp

*Bearing the UL Classification Mark

1 TYPICAL PIPE PENETRATION (ALL LOCATIONS)

P6.01 N.T.S.

2 HOUR RATED

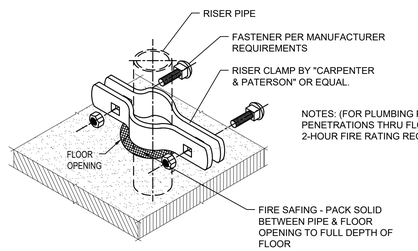


NOTES:

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

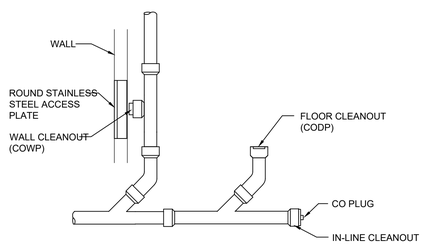
2 PIPE SUPPORT HANGERS

P6.01 NOT TO SCALE



3 PIPE RISER CLAMP

P6.01 NOT TO SCALE

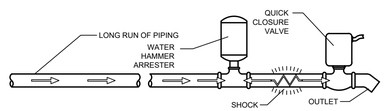


4 CLEANOUT DETAIL

P6.01 NOT TO SCALE

Sizing and Placement of Water Hammer Arrester (WHA)

TABLE 3 INDICATES THE SIZE OF THE WATER ARRESTER REQUIRED FOR LONG RUNS OF PIPING WHICH FEED A SINGLE REMOTE FIXTURE OR APPLIANCE. THE WATER ARRESTER UNIT SHOULD BE SIZED BY USING TABLE 3 AND LOCATED AS CLOSE TO THE POINT OF QUICK CLOSURE AS POSSIBLE.



WATER HAMMER ARRESTER SELECTION CHART

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

TABLE 3

NOTE:
TABLE 3 SHOWS LENGTHS OF RUN OF BRANCH PIPING. THE LENGTH OF RUN USED SHOULD BE THE LENGTH OF PIPE FROM POINT OF VALVE CLOSURE TO A POINT OF RELIEF, SUCH AS LARGE PIPE RISER TWICE THE SIZE OF THE BRANCH LINE, MAIN LINE OR WATER TANK.

ALL SIZING RECOMMENDATIONS SHOWN IN TABLE 3 ARE BASED ON AN OPERATING WATER PRESSURE OF 65 PSI OR UNDER AN AVERAGE VELOCITY BETWEEN 5 AND 10 FEET PER SECOND. IF OPERATING PRESSURES ARE OVER 65 PSI USE THE NEXT LARGER WATER HAMMER ARRESTER UNIT. WHEN PRESSURES ARE ANTICIPATED ABOVE 85 PSI A PRESSURE REDUCING VALVE IS RECOMMENDED.

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NJ Certificate of Authorization

Engr. Nos.	24GA27937500
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PLUMBING SCHEDULE & DETAILS

INERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL.
EDGEWATER PARK BOARD OF EDUCATION
300 DELANCO ROAD, EDGEWATER PARK NJ 08010

Job No. 2.20554.03

File No. 2055403 P201

P6.01

Devices

SYMBOL	DESCRIPTION
#	**SIMPLEX RECEPTACLE (WALL) -** WALL MOUNTED 20A, 120V RECEPTACLE TO CIRCUIT INDICATED
#	**DUPLEX RECEPTACLE (WALL) -** WALL MOUNTED 20A, 120V RECEPTACLE TO CIRCUIT INDICATED
#	**DOUBLE DUPLEX (QUAD) RECEPTACLE (WALL) -** WALL MOUNTED 20A, 120V RECEPTACLE TO CIRCUIT INDICATED
#	**SPECIAL PURPOSE RECEPTACLE (WALL) -** WALL MOUNTED SPECIAL PURPOSE RECEPTACLE TO CIRCUIT INDICATED. COORDINATE AMPERAGE & MOUNTING CONFIGURE WITH EQUIPMENT SERVED.
#	**EMERGENCY DUPLEX RECEPTACLE (WALL) -** WALL MOUNTED 20A, 120V RECEPTACLE TO CIRCUIT INDICATED
#	**EMERGENCY DOUBLE DUPLEX (QUAD) RECEPTACLE (WALL) -** WALL MOUNTED 20A, 120V RECEPTACLE TO CIRCUIT INDICATED
#	**DUPLEX RECEPTACLE (FLOOR) -** IN-FLOOR 20A, 120V DUPLEX RECEPTACLE TO CIRCUIT INDICATED. PROVIDE A FLOOR BOX WITH THE APPROPRIATE FLANGE AS REQUIRED.
#	**DOUBLE DUPLEX (QUAD) RECEPTACLE (FLOOR) -** IN-FLOOR 20A, 120V DOUBLE DUPLEX RECEPTACLE TO CIRCUIT INDICATED. PROVIDE A FLOOR BOX WITH THE APPROPRIATE FLANGE AS REQUIRED.
#	**EMERGENCY DUPLEX RECEPTACLE (FLOOR) -** IN-FLOOR 20A, 120V DUPLEX RECEPTACLE TO CIRCUIT INDICATED. PROVIDE A FLOOR BOX WITH THE APPROPRIATE FLANGE AS REQUIRED.
#	**EMERGENCY DOUBLE DUPLEX (QUAD) RECEPTACLE (FLOOR) -** IN-FLOOR 20A, 120V DOUBLE DUPLEX RECEPTACLE TO CIRCUIT INDICATED. PROVIDE A FLOOR BOX WITH THE APPROPRIATE FLANGE AS REQUIRED.
#	**COMBINATION RECEPTACLE & COMMUNICATIONS (FLOOR) -** IN-FLOOR RECEPTACLE & COMMUNICATIONS TO CIRCUIT INDICATED. RECEPTACLE & COMMUNICATIONS PORT CONFIGURATION AS INDICATED ON THE PLAN. PROVIDE A FLOOR BOX WITH VOLTAGE SEPARATOR AND THE APPROPRIATE FLANGE AS REQUIRED.
#	**OVERHEAD CORD RECEPTACLE -** OVERHEAD CORD TYPE RECEPTACLE. REFER TO DETAIL FOR ADDITIONAL INFORMATION. CORDREEL UNLESS INDICATED AS "F" - FIXED LENGTH.
# # #	**MULTI-OUTLET ASSEMBLY -** SURFACE MOUNTED PLUGMOLD RACEWAY. SINGLE CIRCUIT - WIREMOLD SERIES 2000 SERIES 2000 OR EQUAL PLUGMOLD W/ SINGLE RECEPTACLES 12" O.C. DUAL CIRCUIT - WIREMOLD SERIES 2000 OR EQUAL PLUGMOLD W/ ALTERNATINGLY WIRED SINGLE RECEPTACLES 12" O.C.
# J	**JUNCTION/PULL BOX -** CONNECT TO CIRCUIT NUMBER INDICATED. CONTRACTOR SHALL SIZE AS PER NEC REQUIREMENTS UNLESS SIZE IS INDICATED ON THE PLAN.
30/3	**DISCONNECT SWITCH, NON-FUSIBLE -** RATED AS INDICATED ON THE DRAWINGS, (EG. 30/3 INDICATES 30A, 3 POLE). IF NO RATING IS INDICATED, INSTALL A CODE SIZED SWITCH. INSTALL IN A NEMA-1 ENCLOSURE UNLESS NOTED OTHERWISE.
100/60/3	**DISCONNECT SWITCH, FUSIBLE -** RATED AS INDICATED ON THE DRAWINGS, (EG. 100/60/3 INDICATES 100A SWITCH, 60A FUSES, 3 POLE). IF NO RATING IS INDICATED, INSTALL A CODE SIZED SWITCH. INSTALL IN A NEMA-1 ENCLOSURE UNLESS NOTED OTHERWISE.
30/3	**DISCONNECT SWITCH, NON-FUSIBLE/MOTOR STARTER COMBO -** WITH OVERLOAD PROTECTION AND AUTO/OFF/HAND SELECTOR SWITCH OR START/STOP CONTROL STATION AS NOTED. SWITCH RATED AS INDICATED ON THE DRAWINGS, (EG. 30/3 INDICATES 30A SWITCH, 3 POLE). IF NO RATING IS INDICATED, INSTALL A CODE SIZED SWITCH. INSTALL IN A NEMA-1 ENCLOSURE UNLESS NOTED OTHERWISE. STARTER TYPE SHALL BE SELECTED AS DIRECTED IN MECH. DRAWINGS. STARTER & OVERLOAD SIZES SHALL BE SELECTED ACCORDING TO MOTOR HP RATING.
S 20/1 HP	**FRACTIONAL HORSE POWER MOTOR STARTER -** NON-FUSIBLE, TOGGLE-TYPE RATED AS INDICATED ON THE DRAWINGS, (EG. 20/1 INDICATES 20A, 1 POLE). IF NO RATING IS INDICATED, INSTALL A CODE SIZED SWITCH. INSTALL IN A NEMA-1 ENCLOSURE UNLESS NOTED OTHERWISE.
(#)	**MOTOR-** NUMBER INDICATES HP FOR 1HP AND LARGER. "F" INDICATES FRACTIONAL HP WHEN LESS THAN 1HP
PB EPO	**PUSHBUTTON -** "EPO" INDICATES BUTTON IS FOR EMERGENCY POWER OFF (EPO) FUCNTION.

GENERAL NOTE - WHEN USED, "#" REFERS TO THE CIRCUIT & PANEL NUMBER

DEVICE ABBREVIATIONS & DESIGNATIONS

ABBR.	DEFINITION
CH	**COUNTER HEIGHT -** RECEPTACLE TO BE MOUNTED AT COUNTER HEIGHT. REFER TO ARCH. DWGS FOR ADDITIONAL INFORMATION.
CLG	**CEILING MOUNTED -** DEVICE MOUNTED AT CEILING LEVEL. COORDINATE WITH CEILING TYPE.
EPO	**EMERGENCY POWER OFF** - REFER TO DETAIL FOR WIRING REQUIREMENTS
G	**GROUND FAULT CURRENT INTERRUPTER RATED**
H	**HORIZONTAL MOUNT -** RECEPTACLE TO BE MOUNTED HORIZONTAL.
IG	**ISOLATED GROUND**
IUC	**IN USE COVER** - RECEPTACLE WITH WEATHERPROOF IN-USE-COVER.
N#	**NEMA RATING** - NEMA DESIGNATION, WHEN INDICATED
S	**SPLIT CONTROLLED** - RECEPTACLE HOT TERMINAL SPLIT WITH 1 PLUG CONTROLLED. WIRE CONTROLLED PORTION PER PLUGLOAD MANUFACTURER'S PUBLISHED INFORMATION.
TV	**TELEVISION BOX** - MOUNT RECEPTACLE IN A RECESSED 3-GANG STEEL TV BOX WITH VOLTAGE DIVIDER. ARLINGTON MODEL TVBS507 OR EQUAL. STUB ¾"C FROM LOW VOLTAGE SIDE OF BOX TO ABOVE CEILING. BOX TO BE MOUNTED AT TV HEIGHT. REFER TO ARCH. DWGS FOR ADDITIONAL INFORMATION.
USB	**USB CHARGING PORTS** - RECEPTACLE TO HAVE TWO (2) INTEGRAL USB CHARGING PORTS.
WP	**WEATHERPROOF** - NEMA 3R ENCLOSURE

Circuitry

SYMBOL	DESCRIPTION
#	**HOMERUN -** HOMERUN TO CIRCUIT(S) INDICATED. IF NOT INDICATED ON THE PLAN, REFER TO THE PANEL SCHEDULE FOR CONDUCTOR/RACYEWAY INFORMATION.
	CONDUCTOR INDICATOR - FULL HASHES INDICATE UNDGROUNDED "HOT" CIRCUIT CONDUCTORS. HALF HASHES INDICATE GROUNDED NEUTRAL CONDUCTORS. ALL CIRCUITS CONTAIN A GROUND CONDUCTOR.
	- (1) HOT, (1) NEUTRAL (eg., 120 OR 277, 1ϕ)
	- (2) HOT, (2) NEUTRAL (eg., 120 OR 277, 1ϕ) MULTI-NEUTRAL, MULTI-CIRCUIT)
	- (2) HOT, (0) NEUTRAL (eg., 208 OR 480, 1ϕ)
	- (2) HOT, (1) NEUTRAL (eg., 208 OR 480, 1ϕ, 3 WIRE)
	- (3) HOT, (0) NEUTRAL (eg., 208 OR 480, 3ϕ)
	- (3) HOT, (1) NEUTRAL (eg., 208 OR 480, 3ϕ, 4 WIRE)

One-Line Riser Diagram

SYMBOL	DESCRIPTION
300AT 400AF #P	**CIRCUIT BREAKER -** LOW VOLTAGE, THERMAL MAGNETIC "AT"- TRIP SETTING "AF"- FRAME SIZE "#P" - No. OF POLES (3-POLE UNLESS NOTED OTHERWISE)
300AF 400AS #P	**FUSED DISCONNECT SWITCH -** "AF"- SWITCH AMPERAGE RATING "AS"- FUSE AMP SIZE "#P" - No. OF POLES (3-POLE UNLESS NOTED OTHERWISE)
400A	**DISCONNECT SWITCH -** "A" - SWITCH AMPERAGE RATING
XFMR T. PRI SEC	**TRANSFORMER -** LOW VOLTAGE, DRY-TYPE WITH COPPER WINDINGS. REFER TO XFMR SCHEDULE FOR ADDITIONAL REQUIREMENTS.
___A - __Y/__V - 3ϕ - 4W - __kAIC	**EQUIPMENT BUS & RATING DATA -** "___A" - BUS CONTINUOUS CURRENT RATING "__Y/__V" - VOLTAGE(S) "3ϕ" - No. OF PHASES "4W" - No. OF WIRES "__kAIC" - SHORT CIRCUIT INTERRUPTING CURRENT RATING CAPACITY IN THOUSANDS OF AMPERES (kAIC)
EMD PT	**ELECTRONIC METERING DEVICE -** WITH POTENTIAL TRANSFORMER WITH PRIMARY AND SECONDARY FUSES
LSIG ET	**ELECTRONIC TRIP DEVICE -** "LSIG" - LONGTIME, SHORT TIME, INSTANTANEOUS & GROUND FAULT PROTECTION
###AF ###AS	**FUSED DISCONNECT SWITCH -** "AF"- FUSE AMP SIZE "AF"- SWITCH AMPERAGE RATING
	EARTH GROUND CONNECTION
	FRAME/CHASSIS GROUND CONNECTION
	PANELBOARD - MAIN BREAKER OR MAIN LUG AS INDICATED.
	GENERATOR
(#)	**MOTOR**
ATS-# N E L	**AUTOMATIC TRANSFER SWITCH -** "#" INDICATES ATS NUMBER
SPD	**SURGE PROTECTION DEVICE**
(M)	**UTILITY METER**
	ENCLOSURE
	TROUGH - CODE SIZED WIRING TROUGH
GDS-# *(or)* SDGDS-#	**GENERATOR DOCKING STATION ("GDS") -** WITH MANUAL TRANSFER SWITCH, PHASE ROTATION MONITOR, AND MALE CAM LOCK FOR TEMPORARY GENERATOR HOOKUP. "GDS-#" INDICATES NON-SEPARATELY DERIVED STATION NUMBER "SDGDS-#" INDICATES SEPARATELY DERIVED STATION NUMBER - "GDS" DOCKING STATION(S) SHALL HAVE SIGNAGE READING *"WARNING: FOR CONNECTION OF A NON-SEPARATELY DERIVED (FLOATING SYSTEM) GENERATOR ONLY"*
XXX	**AVAILABLE 3ϕ FAULT CURRENT -** RMS, SYM AMPS

Distribution

SYMBOL	DESCRIPTION
BPLA1	**208Y/120V SURFACE MOUNTED PANELBOARD -** REFER TO PANEL SCHEDULE AND/OR ONE-LINE FOR ADDITIONAL INFORMATION. WHEN SHOWN, DASHED LINES W/ HATCH INDICATE CLEARANCE.
BPLA1	**208Y/120V FLUSH MOUNTED PANELBOARD -** REFER TO PANEL SCHEDULE AND/OR ONE-LINE FOR ADDITIONAL INFORMATION. WHEN SHOWN, DASHED LINES W/ HATCH INDICATE CLEARANCE.
BPHA1	**480Y/277V SURFACE MOUNTED PANELBOARD -** REFER TO PANEL SCHEDULE AND/OR ONE-LINE FOR ADDITIONAL INFORMATION. WHEN SHOWN, DASHED LINES W/ HATCH INDICATE CLEARANCE.
BPHA1	**480Y/277V FLUSH MOUNTED PANELBOARD -** REFER TO PANEL SCHEDULE AND/OR ONE-LINE FOR ADDITIONAL INFORMATION. WHEN SHOWN, DASHED LINES W/ HATCH INDICATE CLEARANCE.
SWITCHBOARD	**PAD MOUNTED SWITCHBOARD -** REFER TO ONE-LINE AND/OR SCHEDULE FOR ADDITIONAL INFORMATION. WHEN SHOWN, DASHED LINES W/ HATCH INDICATE CLEARANCE.
T-1	**TRANSFORMER (≥15kVA) -** "T-1" INDICATES TRANSFORMER DESIGNATION (TAG MAY BE INSIDE OR OUTSIDE, DEPENDING ON XFMR SIZE). REFER TO XFMR SCHEDULE AND/OR ONE-LINE FOR ADDITIONAL INFORMATION. TYPICALLY SHOWN ACTUAL SIZE ON PLANS.
T	**TRANSFORMER (<15kVA) -** TYPE AND LOCATION AS NOTED ON PLAN
UPS-A	**UNINTERRUPTIBLE POWER SUPPLY ("UPS") -** WHEN SHOWN, DASHED LINES W/ HATCH INDICATE CLEARANCE.
ATS-1	**AUTOMATIC TRANSFER SWITCH ("ATS") -** "ATS-1" INDICATES ATS DESIGNATION (TAG MAY BE INSIDE OR OUTSIDE, DEPENDING ON ATS SIZE). REFER TO ATS SCHEDULE AND/OR ONE-LINE FOR ADDITIONAL INFO. TYPICALLY SHOWN ACTUAL SIZE ON PLANS. WHEN SHOWN, DASHED LINES W/ HATCH INDICATE CLEARANCE.
ECB 100/30/3	**ENCLOSED CIRCUIT BREAKER ("ECB") -** RATED AS INDICATED ON THE DRAWINGS, (EG. 1000/30/3 INDICATES 100A FRAME, 30A FUSES, 3 POLE). IF NO RATING IS INDICATED, INSTALL A CODE SIZED BREAKER. INSTALL IN A NEMA-1 ENCLOSURE UNLESS NOTED OTHERWISE.

Lighting

SYMBOL	DESCRIPTION
	EMERGENCY LIGHTING - HATCHING INDICATES LIGHTING WITH 90 MIN EMERGENCY BACKUP. (POWERED BY BATTERY, INVERTER, OR GENERATOR). EMERGENCY LUMINAIRES WILL BE DESIGNATED WITH AN "EM" IN THEIR TYPE DESIGNATION.
A 3 a	**RECESSED MOUNTED CEILING LUMINAIRE -** CONFIRM FIXTURE TRIM WITH CEILING TYPE IN THE FIELD. DESIGNATIONS (TYPICAL ALL FIXTURES): "A" - INDICATES LUMINAIRE DESIGNATION, REFER TO LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. "3" - INDICATES BRANCH CIRCUIT "a" - INDICATES SWITCHING
	SURFACE MOUNTED CEILING LUMINAIRE - CONFIRM FIXTURE TRIM WITH CEILING TYPE IN THE FIELD.
	WALL MOUNTED LUMINAIRE - CONFIRM MOUNTING HEIGHT WITH LIGHT FIXTURE SCHEDULE AND/OR ARCHITECTURAL PLANS.
	WALL & CEILING MOUNTED SINGLE FACED EXIT SIGN - SHADED SIDE INDICATES FACE SIDE. PROVIDE DIRECTIONAL ARROW(S) AS INDICATED ON THE PLANS.
	WALL & CEILING MOUNTED DOUBLE FACED EXIT SIGN - SHADED SIDES INDICATES FACE SIDES. PROVIDE DIRECTIONAL ARROW(S) AS INDICATED ON THE PLANS.
	DUAL HEAD EMERGENCY LIGHT - WITH 90 MINUTE (MIN.) POWER SUPPLY.
	WALL MOUNTED COMBINATION EXIT SIGN/DUAL HEAD EMERGENCY LIGHT - SHADED SIDES INDICATES FACE SIDES. PROVIDE DIRECTIONAL ARROW(S) AS INDICATED ON THE PLANS.
	SINGLE HEAD, POLE MOUNTED LUMINAIRE - POLE HEIGHT AS INDICATED
	DOUBLE HEAD, POLE MOUNTED LUMINAIRE - POLE HEIGHT AS INDICATED. FIXTURE ANGLES AS PER PLAN.

GENERAL NOTE - REFER TO LIGHT FIXTURE SCHEDULE FOR ADDITIONAL FIXTURE SYMBOLS

S Z	**SWITCH -** 120VAC, 20A TOGGLE SWITCH UNLESS MODIFIED BY "Z" DESIGNATION BELOW. - ALL DESIGNATIONS INDICATED BELOW ARE 0-10V UNLESS NOTED OTHERWISE. DESIGNATIONS (TYPICAL FOR MOST SWITCHES): "x" - WHEN USED, SMALL CASE LETTER DENOTES SWITCHING CONTROL (REFER TO FIXTURES ON PLAN). IF NOT USED, THE SWITCH CONTROLS ALL FIXTURES IN THE SPACE. "2D" - 2 POLE ON/OFF WITH DIMMING "4S" - 4 SCENE WITH ON/OFF & DIMMING MOMENTARY CONTACT BUTTONS "D" - ON/OFF WITH DIMMING "DS" - INTEGRAL OCCUPANCY SENSOR WITH DAYLIGHT SENSOR "EP" - EXPLOSION PROOF "FHP" - 20A FRACTIONAL HORSEPOWER MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD PROTECTION "K" - KEY OPERATED ON/OFF "KD" - KEY OPERATED ON/OFF WITH DIMMING "LV" - 0-10V ON/OFF "OS" - INTEGRAL OCCUPANCY SENSOR "P" - PILOT LIGHT "T" - TIMER "WP" - WEATHERPROOF TOGGLE SWITCH
OS a	**CEILING MOUNTED OCCUPANCY SENSOR -** TYPE AS INDICATED ON PLANS. WHEN USED, SMALL CASE LETTER DENOTES SWITCHING CONTROL (REFER TO FIXTURES ON PLAN). IF NOT USED, THE SWITCH CONTROLS ALL FIXTURES IN THE SPACE.
OS a	**CEILING MOUNTED OCC. SENSOR WITH INTEGRAL DAYLIGHT SENSOR -** TYPE AS INDICATED ON PLANS. WHEN USED, SMALL CASE LETTER DENOTES SWITCHING CONTROL (REFER TO FIXTURES ON PLAN). IF NOT USED, THE SWITCH CONTROLS ALL FIXTURES IN THE SPACE.
OS a	**WALL MOUNTED OCCUPANCY SENSOR -** TYPE AS INDICATED ON PLANS. WHEN USED, SMALL CASE LETTER DENOTES SWITCHING CONTROL (REFER TO FIXTURES ON PLAN). IF NOT USED, THE SWITCH CONTROLS ALL FIXTURES IN THE SPACE.
PC	**OUTDOOR PHOTOCELL -** TYPE AS INDICATED ON PLANS.
PRP a b	**POWER RELAY PACK -** WITH POWER AND 0-10V CONTROL OUTPUT "ZONE" INDICATES LIGHTING ZONE FOR PROGRAMMING PURPOSES
	CONTROL WIRES - 0-10V "PURPLE & GRAY"
	24V POWER CONDUCTORS
	COMBINED POWER & CONTROL/SIGNAL MC CABLE - (120VAC & 0-10V) SOUTHWIRE MC-PCS DUO OR EQUAL.
	POWER CONDUCTORS - 120VAC CONDUCTORS ((2) #12 & (1) #12 GND)

Equipment Naming Convention

SUBFEED PANEL
(BLANK IF NOT A SUBFEED)
1,2,3...

SEQUENCE OF PANELS OF THIS TYPE
(BLANK IF ONLY ONE PANEL)
A, B, C...

BUILDING FLOOR
(BLANK IF ONLY ONE FLOOR)
"SB" SUB-BASEMENT
"B" BASEMENT
"M" MEZZANINE
"G" GROUND FLOOR
"P" PENTHOUSE
"1" FIRST FLOOR
"2" SECOND FLOOR...

BUILDING LOCATION
(BLANK IF BUILDING HAS NO BREAKDOWN)
BUILDING WING (A, B, C...)
WING SIDE (N, S, E, W)

VOLTAGE
(BLANK IF BUILDING HAS ONE VOLTAGE)
"H" "HIGH" VOLTAGE (480Y/277V)
"L" "LOW" VOLTAGE (208Y/277V)

PANEL TYPE DESIGNATIONS
"DP" DISTRIBUTION PANELBOARD
"BP" BRANCH CIRCUIT PANELBOARD
"MP" MECHANICAL LOAD PANELBOARD
"LP" LIGHTING PANELBOARD
"KP" KITCHEN EQUIPMENT PANELBOARD
"SP" SERVER ROOM EQUIP. PANELBOARD

EMERGENCY/STANDBY SYSTEM DESIGNATIONS
(BLANK FOR NORMAL POWER)
"ES" EMERGENCY SYSTEMS BRANCH (NEC 700 SYSTEMS)
"LRS" LEGALLY REQUIRED STANDBY BRANCH (NEC 701 SYSTEMS)
"OS" OPTIONAL STANDBY BRANCH (NEC 702 SYSTEMS)
"LS" LIFE SAFETY BRANCH (NEC 517.33 SYSTEMS)
"C" CRITICAL BRANCH (NEC 517.34 SYSTEMS)
"E" EQUIPMENT BRANCH (NEC 517.35 SYSTEMS)

EXAMPLES:
MPHN1(A) - 480/277 MECHANICAL PANEL, NORTH WING, 1st FLOOR, 1st PANEL OF THIS TYPE
(SB)BPL2 - 208/120 STANDBY BRANCH PANEL, 2nd FLOOR

Fire Alarm

CONTROL DEVICES

SYMBOL	DESCRIPTION
FACP	**FIRE ALARM CONTROL PANEL ("FACP") -** PROVIDE 20A, 120VAC CIRCUIT
FAA	**FIRE ALARM ANNUNCIATOR -** (TEXTUAL BASED ANNUNCIATOR) PROVIDE 20A, 120VAC CIRCUIT
GAP	**FIRE ALARM ANNUNCIATOR -** (GRAPHIC BASED ANNUNCIATOR) PROVIDE 20A, 120VAC CIRCUIT
MIC	**MICROPHONE**
AMP	**AMPLIFIER -** CONTRACTOR SHALL DETERMINE QUANTITY REQUIRED AND COORDINATE PHYSICAL LOCATION(S) IN THE BUILDING WITH THE OWNER'S AUTHORIZED REPRESENTATIVE. DO NOT LOAD MORE THAN 80%.
NAC	**NOTIFICATION CIRCUIT POWER BOOSTER -** PROVIDE 20A, 120VAC CIRCUIT. CONTRACTOR SHALL DETERMINE QUANTITY REQUIRED AND COORDINATE PHYSICAL LOCATION(S) IN THE BUILDING WITH THE OWNER'S AUTHORIZED REPRESENTATIVE. DO NOT LOAD MORE THAN 80%.
RTS	**REMOTE TEST STATION -** WITH INDICATOR LIGHT. LOCATION SHALL BE IN AN ACCESSIBLE LOCATION AND AS PER THE OWNER'S AUTHORIZED REPRESENTATIVE. PROVIDE ONE FOR EACH DUCT SMOKE DETECTOR.

INITIATING DEVICES

SYMBOL	DESCRIPTION
S	**SMOKE DETECTOR -** PHOTOELECTRIC UNLESS NOTED OTHERWISE "ER" - INDICATES DETECTOR IS PROGRAMMED FOR ELEVATOR RECALL
S	**BEAM DETECTOR -** "BT" - INDICATES BEAM TRANSMITTER "BR" - INDICATES BEAM RECEIVER
S	**SINGLE STATION SMOKE DETECTOR -** PHOTOELECTRIC UNLESS NOTED OTHERWISE. PROVIDE 20A, 120VAC CIRCUIT.
S	**DUCT SMOKE DETECTOR -** (SUPPLY SIDE OF UNIT) WITH INTEGRAL RELAY FOR HVAC SHUTDOWN REQUIREMENTS.
CSD	**COMBINATION SMOKE DETECTOR/HEAT DETECTOR -** PHOTOELECTRIC SMOKE AND ROR HEAT UNLESS NOTED OTHERWISE.
A	**HEAT DETECTOR -** COMBO ROR/FIXED TEMPERATURE "A" - INDICATES MOUNTED ABOVE THE SUSPENDED CEILING
F	**HEAT DETECTOR -** FIXED TEMPERATURE (135° UNLESS NOTED OTHERWISE ON THE PLAN)
F	**MANUAL PULL STATION -** WITH LEXAN GUARD WITH AN INTEGRAL HORN. WHEN INSTALLED SURFACE MOUNTED, MOUNT PULL STATION ON MANUFACTURER'S SURFACE MOUNT RED BACKBOX.
CO	**CARBON MONOXIDE DETECTOR -** WITH INTEGRAL HORN

NOTE: ALL CEILING SURFACE MOUNTED DEVICES SHALL BE MOUNTED ON A ROUND WIREMOLD BACK BOX WITH A DIAMETER GREATER THAN THE DEVICE BASE.

NOTIFICATION APPLIANCES

SYMBOL	DESCRIPTION
CD	**COMBINATION SPEAKER/STROBE -** "CD" - MINIMUM CANDELA RATING "W" - MINIMUM TAP SETTING (WATTS). CAN BE ADJUSTED LOWER IN FIELD AS REQUIRED TO MEET AUDIBILITY REQUIREMENTS. "C" - CEILING MOUNTED (WALL MOUNTED IF NOT INDICATED)
	SPEAKER ONLY - "W" - MINIMUM TAP SETTING (WATTS). CAN BE ADJUSTED LOWER IN FIELD AS REQUIRED TO MEET AUDIBILITY REQUIREMENTS. "C" - CEILING MOUNTED (WALL MOUNTED IF NOT INDICATED)
CD	**COMBINATION HORN/STROBE -** "CD" - MINIMUM CANDELA RATING "C" - CEILING MOUNTED (WALL MOUNTED IF NOT INDICATED)
	HORN ONLY - "C" - CEILING MOUNTED (WALL MOUNTED IF NOT INDICATED)
CD	**WALL MOUNTED STROBE ONLY -** "CD" - MINIMUM CANDELA RATING
CD	**CEILING MOUNTED STROBE ONLY -** "CD" - MINIMUM CANDELA RATING

NOTE: ALL SURFACE MOUNTED NOTIFICATION APPLIANCES SHALL BE MOUNTED ON THE MANUFACTURER'S SURFACE MOUNT RED BACK BOX.

INTERFACE DEVICES

SYMBOL	DESCRIPTION
AIM	**ADDRESSABLE INPUT MONITOR -** MONITOR SYSTEM INDICATED ON THE PLAN. ("MONITOR MODULE")
AOM	**ADDRESSABLE OUTPUT MONITOR -** TO CONTROL SYSTEM INDICATED. ("CONTROL MODULE")

MISCELLANEOUS DEVICES

SYMBOL	DESCRIPTION
DH	**MAGNETIC DOOR HOLDER -** 24VDC - CONNECT TO SYSTEM WITH AN "AOM" AS REQUIRED. PROVIDE POWER FROM THE NAC.

GENERAL NOTES

1. ALL INITIATING DEVICES AND NOTIFICATION APPLIANCES SUBJECT TO PHYSICAL DAMAGE SHALL BE INSTALLED WITH WIRE GUARDS. (I.E., IN GYMNASIUMS, LOCKER ROOMS, EXTERIOR LOCATIONS, ETC.)
2. WHEN IN AN INDIVIDUAL ROOM AND INDICATED AS CEILING MOUNTED, ALL DEVICES SHALL BE PLACED AS CLOSE AS PRACTICAL TO THE CENTER OF THE SPACE UNLESS INDICATED OTHERWISE.

Linetype

THROUGHOUT THE DRAWINGS DIFFERENT LINETYPES ARE USED IN COMBINATION WITH THE SYMBOLS TO INDICATE THE STATUS OF ITEMS AS EXISTING, TO BE DEMOLISHED AND TO BE INCLUDED AS PART OF NEW WORK. THE STATUS OF ITEMS USING THESE LINETYPES ARE RELATIVE TO THE VIEW IN WHICH THEY APPEAR. PHASING (IF) SHOWN IN DRAWINGS IS NOT INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCTION PHASING, WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR RESPONSIBILITIES. ANY SUCH PHASES DESCRIBED IN THE CONSTRUCTION DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICATE A BROAD ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE FOLLOWING LINETYPES MAY BE USED ON ANY DEVICE, EQUIPMENT, NOTE, LINE, ETC.

EXISTING ---------- DEMOLITION ———— PROPOSED

Low Voltage/Communication/Data

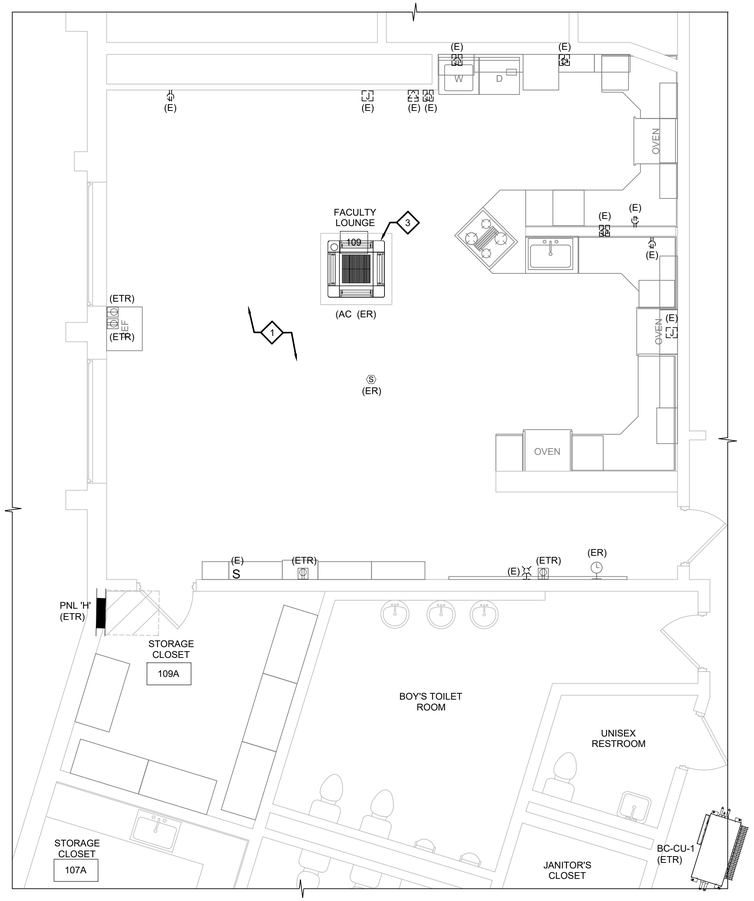
SYMBOL	DESCRIPTION
#	**TELEPHONE OUTLET -** 2-GANG BACKBOX W/ 1-GANG RAISED COVER FOR TELEPHONE OUTLET. PROVIDE ½"C, CONCEALED IN WALL, FOR USE IN PULLING LOW VOLTAGE WIRING. EXTEND CONDUIT 6" ABOVE CEILING SPACE. PROVIDE BUSHING AT CONDUIT END AND GROUND CONDUIT TO NEAREST EFFECTIVELY GROUNDED BUILDING STEEL COLUMN USING #6 AWG COPPER CONDUCTOR. "#" DENOTES JACK QUANTITY. WHEN MORE THAN 1, TERMINATE IN A MULTI-SOCKET RJ45 FACEPLATE.
#	**DATA OUTLET -** 2-GANG BACKBOX W/ 1-GANG RAISED COVER FOR DATA OUTLET. PROVIDE ½"C, CONCEALED IN WALL, FOR USE IN PULLING LOW VOLTAGE WIRING. EXTEND CONDUIT 6" ABOVE CEILING SPACE. PROVIDE BUSHING AT CONDUIT END AND GROUND CONDUIT TO NEAREST EFFECTIVELY GROUNDED BUILDING STEEL COLUMN USING #6 AWG COPPER CONDUCTOR. "#" DENOTES JACK QUANTITY WHEN MORE THAN 1.
##	**COMBINATION TELEPHONE/DATA OUTLET -** 2-GANG BACKBOX W/ 1-GANG RAISED COVER FOR DATA OUTLET. PROVIDE ½"C, CONCEALED IN WALL, FOR USE IN PULLING LOW VOLTAGE WIRING. EXTEND CONDUIT 6" ABOVE CEILING SPACE. PROVIDE BUSHING AT CONDUIT END AND GROUND CONDUIT TO NEAREST EFFECTIVELY GROUNDED BUILDING STEEL COLUMN USING #6 AWG COPPER CONDUCTOR. "##" DENOTES TELEHONE/DATA JACK QUANTITIES WHEN MORE THAN 1.
#	**FLOOR MOUNTED -** SQUARE AROUND SYMBOLS ABOVE INDICATES FLUSH FLOOR MOUNT.
D	**FLUSH FLOOR BOX -** FLUSH FLOOR MOUNT, POKE-THROUGH UON, JUNCTION BOX FOR PRE-WIRED FURNITURE (WORKSTATION OR SIMILAR) TELE/DATA OUTLETS CONNECTION. WHIP SHALL BE PROVIDED BY FURNITURE VENDOR AND INSTALLED BY ELECTRICAL CONTRACTOR. EC SHALL PROVIDE ALL REQUIRED MATERIALS FOR A COMPLETE INSTALLATION.
D	**FLUSH WALL BOX -** FLUSH WALL MOUNT, 2-GANG JUNCTION BOX W/ 1-GANG RAISED COVER FOR PRE-WIRED FURNITURE (WORKSTATION OR SIMILAR) TELE/DATA OUTLETS CONNECTION. PROVIDE ½"C, CONCEALED IN WALL, FOR USE IN PULLING LOW VOLTAGE WIRING. EXTEND CONDUIT 6" ABOVE CEILING SPACE. PROVIDE BUSHING AT CONDUIT END AND GROUND CONDUIT TO NEAREST EFFECTIVELY GROUNDED BUILDING STEEL COLUMN USING #6 AWG COPPER CONDUCTOR. WHIP SHALL BE PROVIDED BY FURNITURE VENDOR AND INSTALLED BY ELECTRICAL CONTRACTOR. EC SHALL PROVIDE ALL REQUIRED MATERIALS FOR A COMPLETE INSTALLATION.
J D	**FLUSH FLOOR BOX -** FLUSH FLOOR MOUNT, POKE-THROUGH UON, JUNCTION BOX WITH VOLTAGE BARRIER FOR COMBINATION PRE-WIRED FURNITURE (WORKSTATION OR SIMILAR) FOR POWER & TELE/DATA OUTLETS CONNECTION. WHIP SHALL BE PROVIDED BY FURNITURE VENDOR AND INSTALLED BY ELECTRICAL CONTRACTOR. EC SHALL PROVIDE ALL REQUIRED MATERIALS FOR A COMPLETE INSTALLATION.

DEVICE ABBREVIATIONS & DESIGNATIONS

CH	**COUNTER HEIGHT -** DEVICE TO BE MOUNTED AT COUNTER HEIGHT. REFER TO ARCH. DWGS FOR ADDITIONAL INFORMATION.
CLG	**CEILING MOUNTED -** DEVICE MOUNTED AT CEILING LEVEL. COORDINATE WITH CEILING TYPE.
W	**WALL MOUNTED -** SINGLE PORT, MOUNTED AT 60" A.F.F. FOR A WALL MOUNTED PHONE.

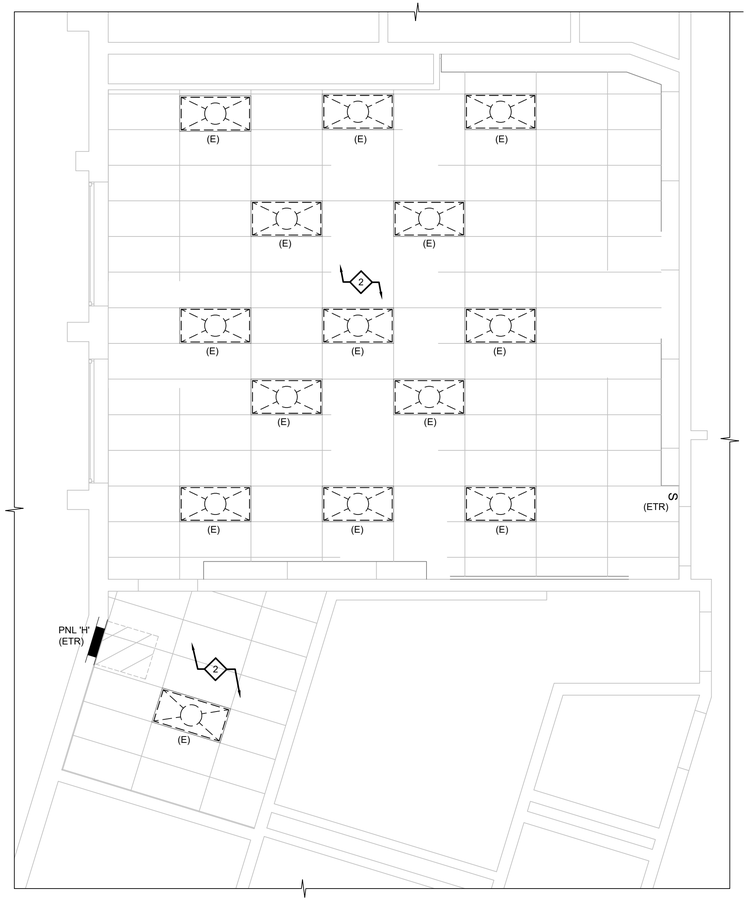
Abbreviations

		(ETR)	EXISTING TO REMAIN		OPERATED
@	AT	(ER)	EXISTING RELOCATED	MLO	MAIN LUGS ONLY
A	AMPERE	EQUIP	EQUIPMENT	MTD	MOUNTED
AC	ARMORED CABLE	EWC	ELECTRIC WATER COOLER	MTS	MANUAL TRANSFER SWITCH
AMP	AMPERE	(E)	EXISTING TO REMOVE	MV	MEDIUM VOLTAGE
ABV	ABOVE	F	FUSED(D)	N	NEUTRAL
AF	AMP FRAME	FA	FIRE ALARM	NC	NORMALLY CLOSED
AFC	ABOVE FINISHED CEILING	FBO	FURNISHED BY OWNER	NIC	NOT IN CONTRACT
AFF	ABOVE FINISHED FLOOR	FD	FEEDER DUCT	NO	NORMALLY OPEN
AFG	ABOVE FINISHED GRADE	FDR	FEEDER	NTS	NOT TO SCALE
AIC	AMPERE INTERRUPTING CAPACITY	FHC	FIRE HOSE CABINET	OC	ON CENTER
AL	ALUMINUM	FI	FILM ILLUMINATOR	OCB	OIL CIRCUIT BREAKER
ALT	ALTERNATE	FL	FLOOR	OCP	OVERCURRENT PROTECTION
AM	AMMETER	FLUOR	FLUORESCENT	OD	OUTSIDE DIMENSION
ANNUN	ANNUNCIATOR	FS	FLOW SWITCH	P	POLE
ANT	ANTENNA	FUT	FUTURE	PB	PULL BOX
ARCH	ARCHITECT	EGC	EQUIPMENT GROUND CONDUCTOR	PC	P



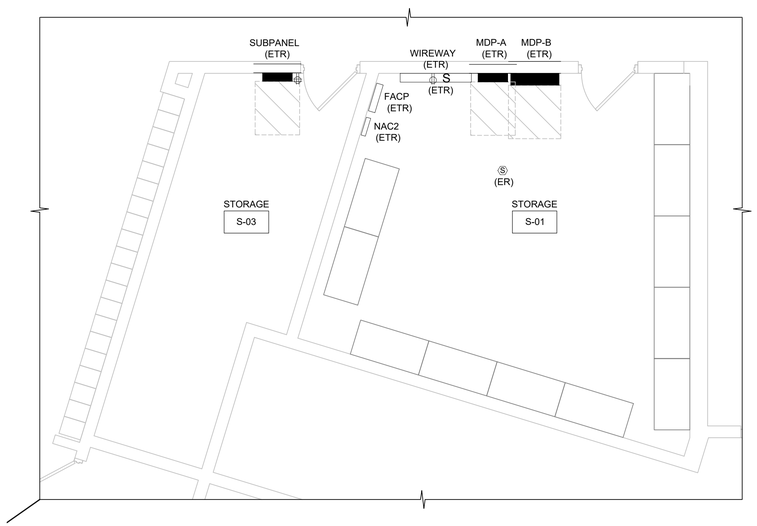
1 E1.01 ELECTRICAL DEMOLITION PLAN - FACULTY & SGI ROOM

1/4" = 1'-0"



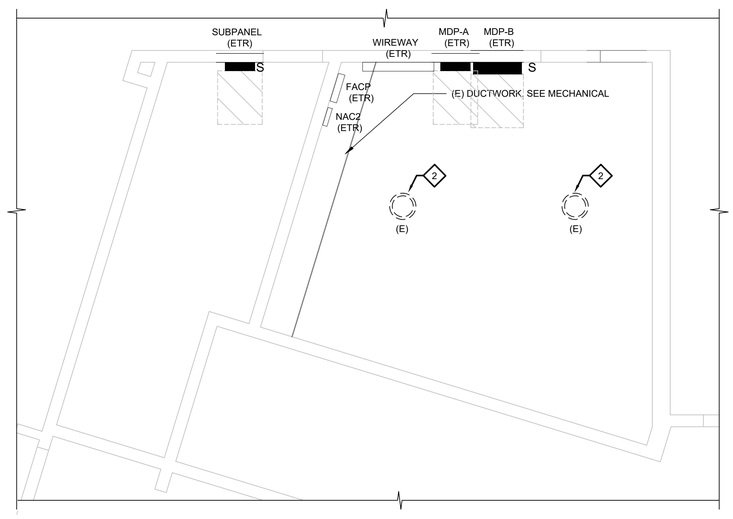
3 E1.01 RCP DEMOLITION PLAN - FACULTY LOUNGE

1/4" = 1'-0"



2 E1.01 ELECTRICAL DEMOLITION PLAN - WORK ROOM

1/4" = 1'-0"



4 E1.01 RCP DEMOLITION PLAN - WORK ROOM

1/4" = 1'-0"

Demolition General Notes:

1. REFER TO SHEET E0.01 FOR NOTES, ABBREVIATIONS & SYMBOL LIST.
2. CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND PERFORM ALL OPERATIONS NECESSARY FOR THE DEMOLITION OF ELECTRICAL WORK AS INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN.
3. NOT ALL EXISTING DEVICES AND JUNCTION BOXES ARE SHOWN. CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO COMMENCING WORK TO VERIFY EXISTING CONDITIONS AND SCOPE OF DEMOLITION.
4. PLANS ARE GENERALLY DIAGRAMMATIC. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL ELECTRICAL EQUIPMENT, DISCONNECT SWITCHES, CONDUCTORS, RACEWAYS, SUPPORTS, AND ASSOCIATED ELECTRICAL COMPONENTS SERVING MECHANICAL EQUIPMENT WITHING THE DEMOLITION AREAS INDICATED ON THE DRAWINGS.
5. ALL CIRCUITS ELIMINATED DURING DEMOLITION SHALL BE PROPERLY IDENTIFIED AND TAGGED AT THE JUNCTION BOX AND LABELED AS "SPARE" AT THE ELECTRICAL PANEL.
6. ABANDONED OUTLET BOXES SHALL BE FITTED WITH BLANK COVER PLATES. COLOR TO MATCH EXISTING DEVICES IN THE ROOM UNLESS NOTED OTHERWISE.
7. ALL EXISTING RECEPTACLES AND LIGHTING FIXTURES SHALL REMAIN UNLESS SPECIFICALLY INDICATED FOR REMOVAL ON THE DRAWINGS.

DEMOLITION KEY NOTES

SYMBOL INDICATES DEMO KEY NOTE

1. RECEPTACLES & WIRING DEVICES DEMO:
   a. EXISTING RECEPTACLES/WIRING DEVICES TO BE REMOVED: DISCONNECT AND REMOVE RECEPTACLES, PLATES, OUTLET BOXES, AND ASSOCIATED EXPOSED WIRING. REMOVE BRANCH-CIRCUIT CONDUCTORS BACK TO THE PANELBOARD OR NEAREST REMAINING DEVICE/JUNCTION BOX, AS APPLICABLE.
   b. CIRCUITS SERVING DEVICES TO REMAIN: WHERE A CIRCUIT SERVING REMOVED RECEPTACLES ALSO SERVES RECEPTACLES OR EQUIPMENT TO REMAIN, MAINTAIN CONTINUITY AND UNINTERRUPTED OPERATION OF ALL REMAINING DEVICES. CONTRACTOR SHALL FIELD-VERIFY CIRCUIT ROUTING AND REROUTE, RECONNECT, OR PROVIDE JUNCTION BOXES AS REQUIRED.
   c. ABANDONED RACEWAYS/BOXES: CONCEALED RACEWAYS AND CONDUCTORS NO LONGER REQUIRED MAY BE ABANDONED IN PLACE; REMOVE EXPOSED PORTIONS AND CUT/CAP RACEWAYS FLUSH. PROVIDE BLANK COVERS ON ACCESSIBLE ABANDONED JUNCTION BOXES AND LABEL "ABANDONED." UPDATE PANELBOARD DIRECTORIES FOR CIRCUITS REMOVED OR REVISED.
2. LIGHTING DEMO:
   a. REMOVE EXISTING LIGHTING FIXTURES, SWITCHES, AND CONTROL DEVICES AS INDICATED AND TURN OVER TO OWNER. COORDINATE DELIVERY/STORAGE LOCATION WITH OWNER AND PROTECT ITEMS FROM DAMAGE.
   b. REUSE EXISTING BRANCH-CIRCUIT CONDUCTORS ONLY WHERE FIELD-VERIFIED TO BE IN GOOD CONDITION, PASS INSULATION-RESISTANCE TESTING, AND COMPLY WITH CURRENT NEC REQUIREMENTS FOR THE NEW LIGHTING LOAD. OTHERWISE, REMOVE CONDUCTORS BACK TO THE ASSOCIATED OVERCURRENT DEVICE AND PROVIDE NEW CONDUCTORS.
   c. MAINTAIN BRANCH CIRCUITS REMAINING IN SERVICE. PROVIDE ALL REQUIRED SPLICES, EXTENSIONS, OR RECONFIGURATIONS IN LISTED, PROPERLY SIZED, READILY ACCESSIBLE JUNCTION BOXES WITH COVERS. PROVIDE BLANK COVERS AT UNUSED BOXES. REMOVE CONDUCTORS FROM ABANDONED RACEWAYS; CUT AND CAP RACEWAYS WHERE REQUIRED. FIELD-VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER OF DISCREPANCIES BEFORE PROCEEDING.
3. EXISTING BRANCH-CIRCUIT WIRING AND RACEWAY MAY REMAIN AND BE EXTENDED ONLY WHERE VERIFIED IN GOOD CONDITION AND ADEQUATE FOR THE RELOCATED EQUIPMENT IN ACCORDANCE WITH THE LATEST APPLICABLE NEC. REMOVE AND REPLACE DAMAGED, DETERIORATED, UNDERSIZED, NONCOMPLIANT, OR INSUFFICIENT-LENGTH WIRING/RACEWAY WITH NEW. PROVIDE ACCESSIBLE LISTED JUNCTION BOXES FOR ALL SPLICES AND EXTENSIONS. REMOVE ABANDONED WIRING AND RACEWAY WHERE PRACTICAL.

NJ Certificate of Authorization	
Engr. Nos.	24GA27937500
Arch. Nos.	21AC00012400
Date	11/10/26
Checked	WH
Drawn	HP

THOMAS WIGHARD, P.E. — Title: PROFESSIONAL ENGINEER — License No. NJ24GE04901100

Revisions:

BID SET 11/10/26

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State Project#: 1280-070-27-1000

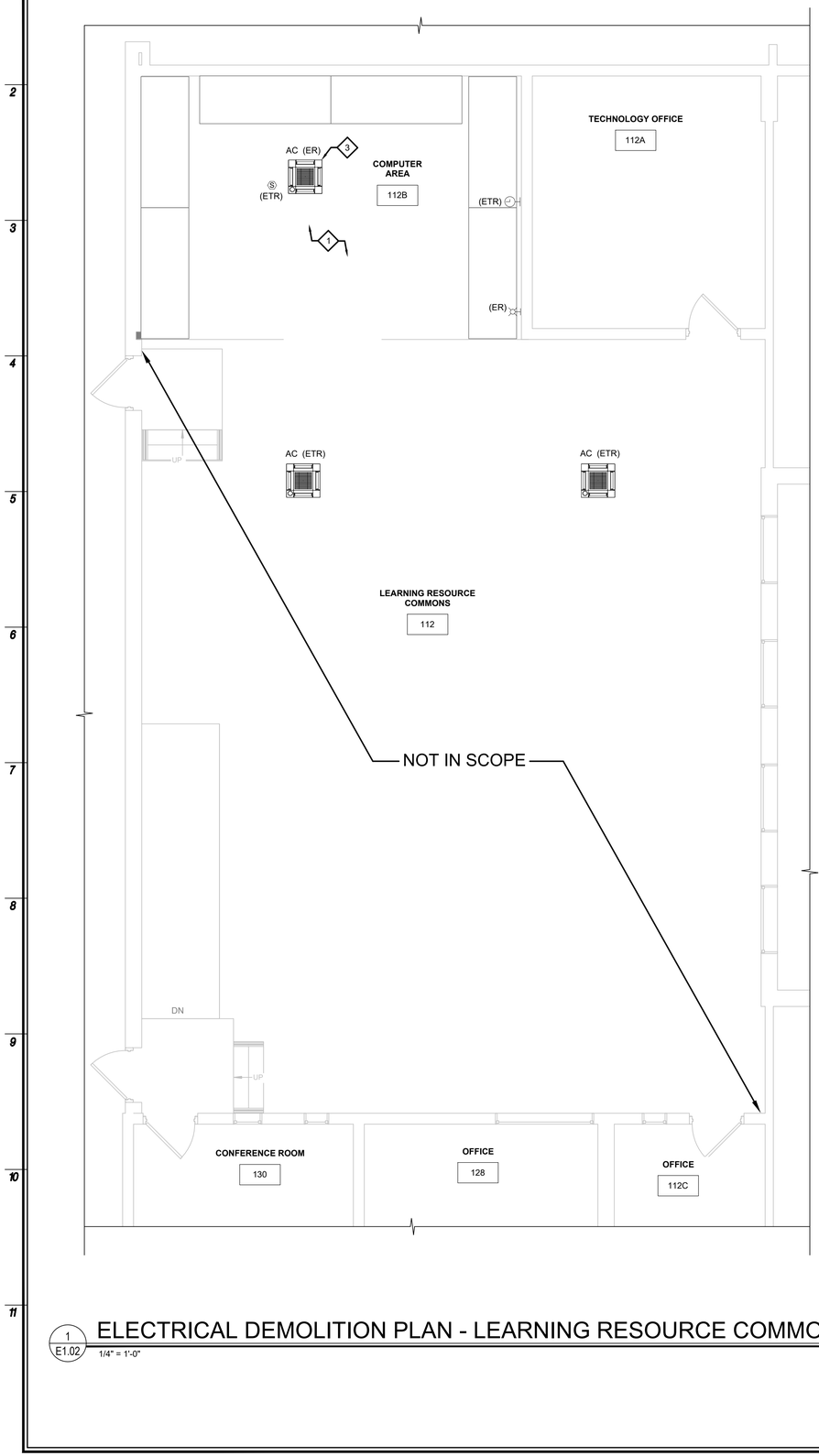
ELECT DEMO PLANS-FACULTY&STORAGE

INERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
300 DELANCO ROAD, EDGEWATER PARK NJ 08010

Job No. 2.20554.03

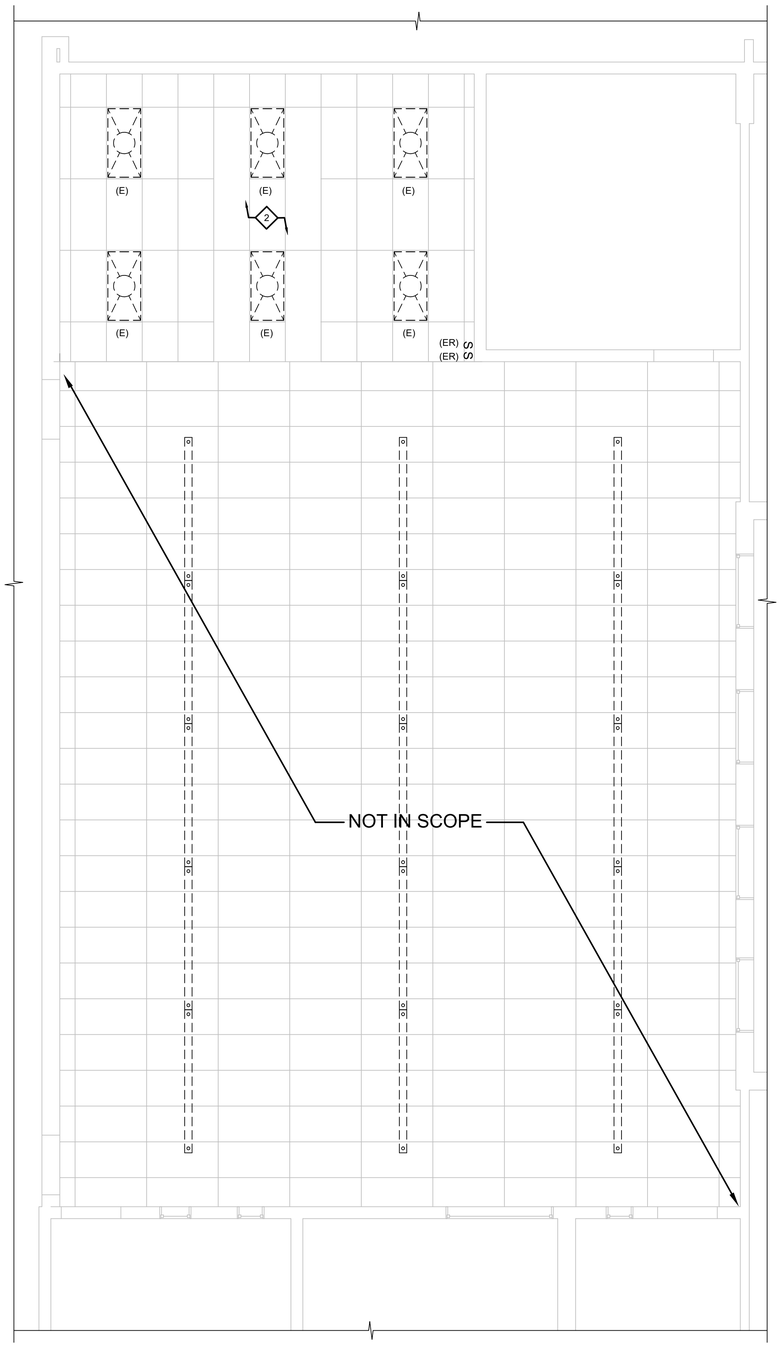
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E1.01



1 E1.02 ELECTRICAL DEMOLITION PLAN - LEARNING RESOURCE COMMONS

1/4" = 1'-0"



2 E1.02 RCP DEMOLITION PLAN - LEARNING RESOURCE COMMONS

1/4" = 1'-0"

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◇# SYMBOL INDICATES DEMO KEY NOTE

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ELEC DEMO PLANS-LEARNING RESOURCE

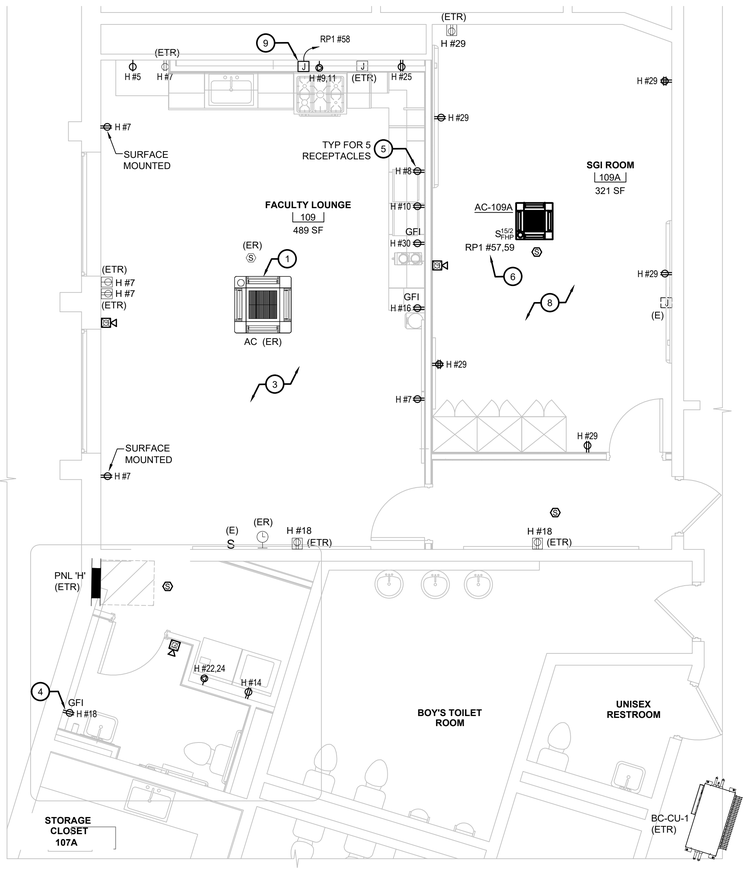
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Job No. 2.20554.03

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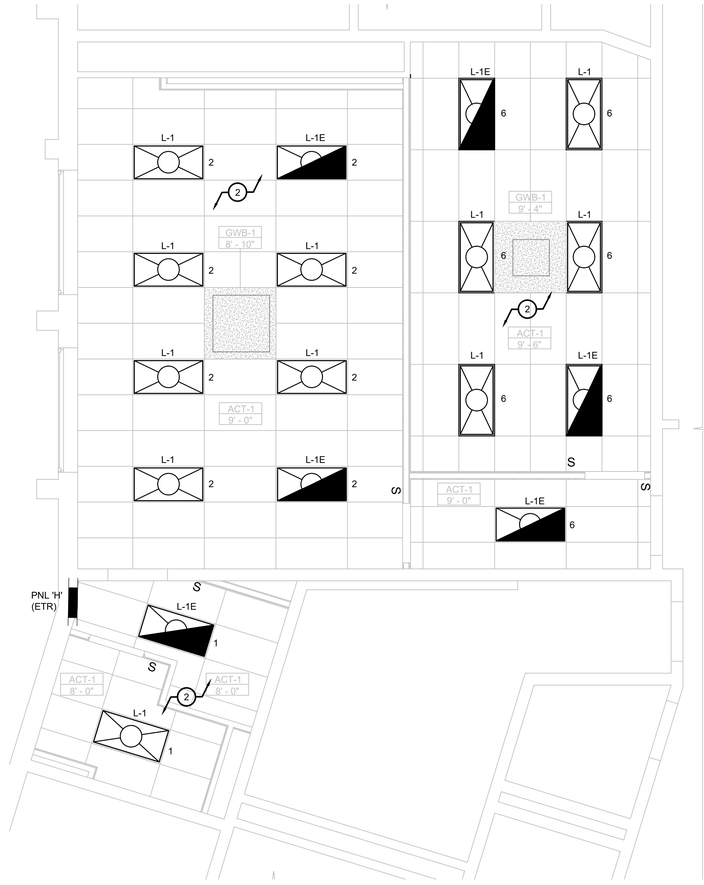
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E1.02



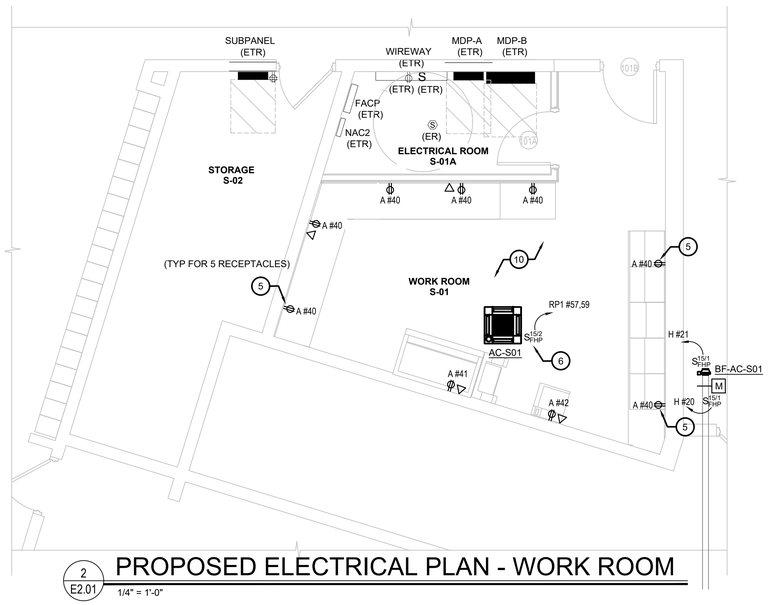
1 E2.01 PROPOSED ELECTRICAL PLAN - FACULTY & SGI ROOM

1/4" = 1'-0"



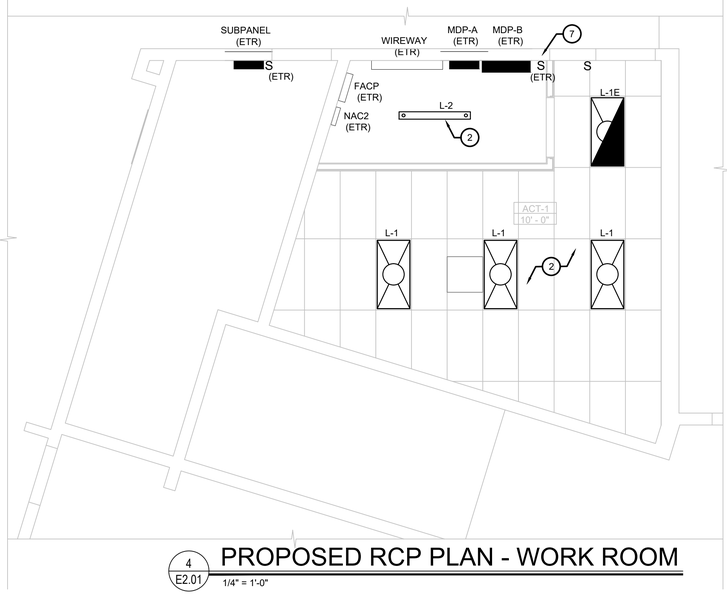
3 E2.01 PROPOSED RCP PLAN - FACULTY LOUNGE

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2 E2.01 PROPOSED ELECTRICAL PLAN - WORK ROOM

1/4" = 1'-0"



4 E2.01 PROPOSED RCP PLAN - WORK ROOM

1/4" = 1'-0"

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ELECTRICAL KEY NOTES

(#) SYMBOL INDICATES DEMO KEY NOTE

1. EXTEND EXISTING BRANCH-CIRCUIT WIRING ONLY WHERE EXISTING CONDUCTORS AND RACEWAYS ARE VERIFIED TO BE IN GOOD CONDITION AND ADEQUATE FOR THE RELOCATED EQUIPMENT LOAD AND INSTALLATION, IN ACCORDANCE WITH THE LATEST APPLICABLE NEC. OTHERWISE, REMOVE EXISTING CONDUCTORS TO THE SOURCE/OVERCURRENT DEVICE AND PROVIDE NEW CONDUCTORS, RACEWAY, EQUIPMENT GROUNDING CONDUCTOR, AND DISCONNECTING MEANS AS REQUIRED. MAKE ALL SPLICES IN LISTED, PROPERLY SIZED, READILY ACCESSIBLE JUNCTION BOXES WITH COVERS. REMOVE ABANDONED WIRING AND RACEWAYS WHERE PRACTICAL. COORDINATE FINAL ELECTRICAL REQUIREMENTS WITH MECHANICAL EQUIPMENT MANUFACTURER AND MECHANICAL CONTRACTOR.
2. REFER TO LIGHTING DEMO KEY NOTE 2b ON SHEET E1.01.
3. REFER TO POWER DEMO KEY NOTE 1 ON SHEET E1.01.
4. RECEPTACLE MOUNTED AT APPROXIMATELY 44-48 INCHES AFF TO THE CENTERLINE.
5. RECEPTACLES MOUNTED AT 42-44 INCHES AFF TO CENTERLINE.
6. PROVIDE ALL REQUIRED POWER, OVERCURRENT PROTECTION, DISCONNECTING MEANS, EQUIPMENT GROUNDING, AND INTERCONNECTING POWER/CONTROL WIRING FOR NEW INDOOR UNIT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S LISTED INSTALLATION INSTRUCTIONS FOR THE EXISTING OUTDOOR CONDENSING UNIT AND APPROVED INDOOR/OUTDOOR EQUIPMENT COMBINATION. VERIFY COMPATIBILITY, AVAILABLE OUTDOOR-UNIT CAPACITY, AND REQUIRED POWER SUPPLY CONFIGURATION PRIOR TO INSTALLATION. PROVIDE SEPARATE 208/230V, 1-PHASE, 15A BRANCH CIRCUIT TO INDOOR UNIT ONLY WHERE REQUIRED BY MANUFACTURER'S APPROVED WIRING DIAGRAM.
7. RELOCATE EXISTING SWITCH IF NECESSARY TO CLEAR NEW WALL CONSTRUCTION.
8. ALL THE RECEPTACLES IN THE SGI ROOM SHALL BE TAMPER RESISTANT.
9. PROVIDE 120V, 1-POLE CIRCUIT FOR UNDER-CABINET RANGE HOOD. STUB OUT AT HOOD LOCATION ABOVE RANGE; COORDINATE EXACT HEIGHT WITH CASEWORK ELEVATIONS. HARD-WIRED CONNECTION TO HOOD'S INTEGRAL WIRING COMPARTMENT. CIRCUIT BREAKER SERVES AS DISCONNECT.
10. A - DENOTES MDP-A, CIRCUIT NUMBERS AS SHOWN.

LIGHTING FIXTURE SCHEDULE

SYMBOL	TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	WATTS
	L-1	LSTE24 - 2x4 STRAUS LED RECESSED BY COLUMBIA LIGHTING OR APPROVED EQUAL	COLUMBIA LIGHTING	LSTE24-35VWG-MPO-EDU	32.9
	L-1E	SAME AS L-1 WITH BATTERY BACKUP		LSTE24-35VWG-MPO-EDU-ELL14	
	L-2	MPS - MULTIPURPOSE LINEAR BY COLUMBIA LIGHTING OR APPROVED EQUAL	COLUMBIA LIGHTING	MPS4-35MW-CW-EDU-ELL14	30.4

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PROPOSED ELECT PLANS - FACULTY & STORAGE

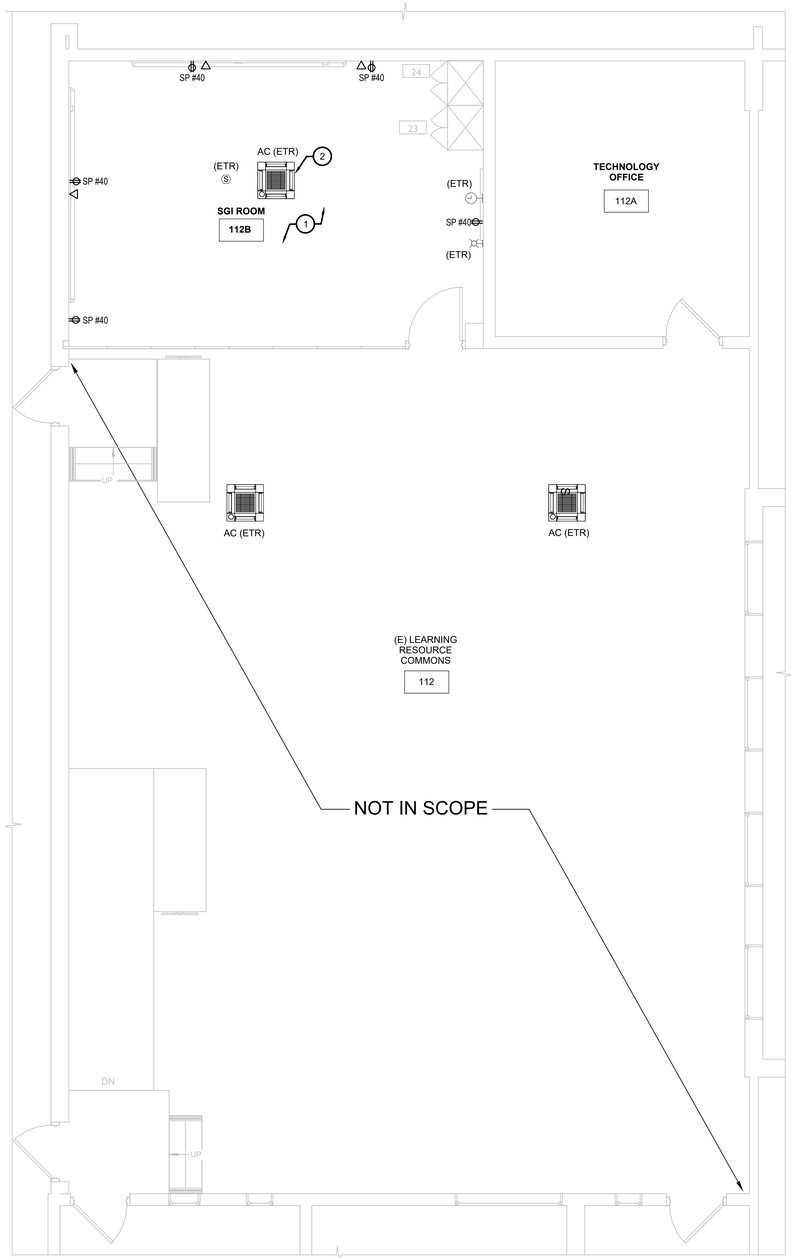
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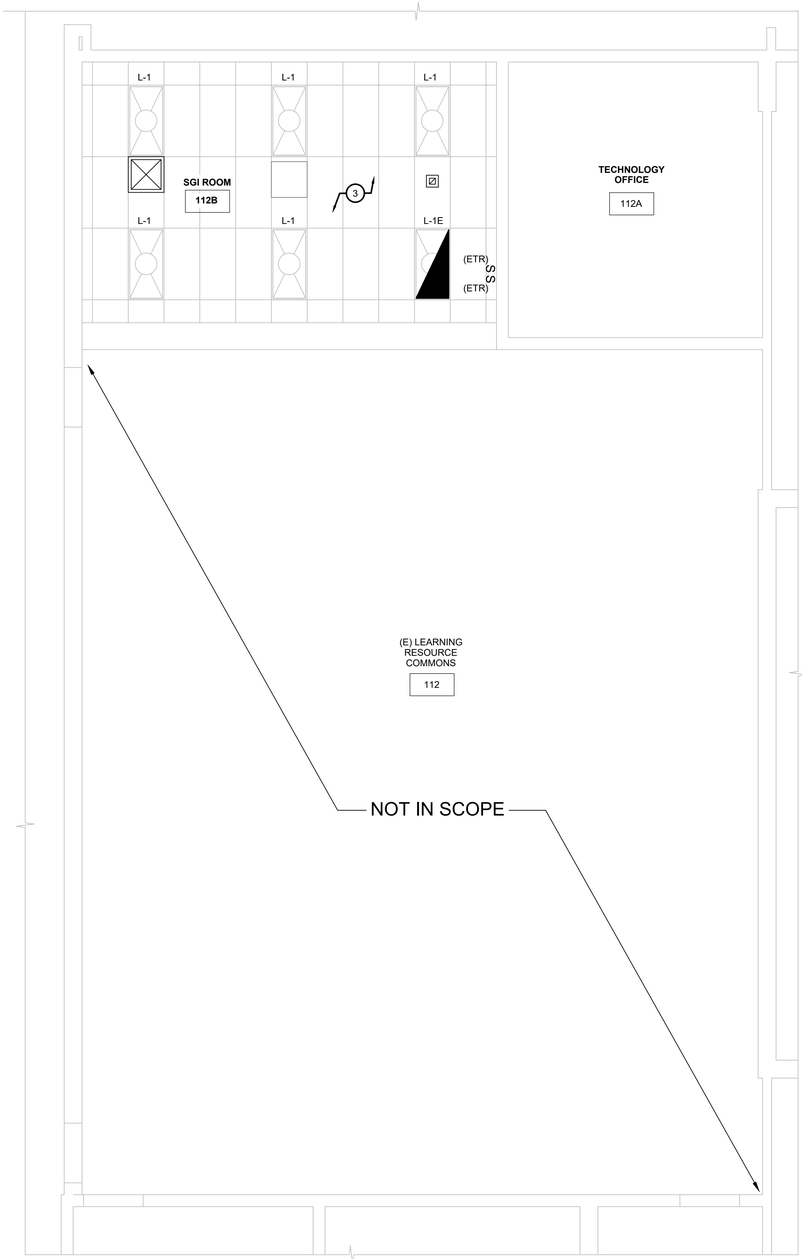
E2.01

State Project#: 1280-070-27-1000



1 E1.02 PROPOSED ELECTRICAL PLAN - LEARNING RESOURCE COMMONS & SGI

1/4" = 1'-0"



2 E1.02 PROPOSED RCP PLAN - LEARNING RESOURCE COMMONS & SGI

1/4" = 1'-0"

Electrical General Notes:

1. REFER TO SHEET E0.01 FOR NOTES, ABBREVIATIONS & SYMBOL LIST.
2. CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND PERFORM ALL OPERATIONS NECESSARY FOR THE DEMOLITION OF ELECTRICAL WORK AS INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN.
3. NOT ALL EXISTING DEVICES AND JUNCTION BOXES ARE SHOWN. CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO COMMENCING WORK TO VERIFY EXISTING CONDITIONS AND SCOPE OF DEMOLITION.
4. PLANS ARE GENERALLY DIAGRAMMATIC. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL ELECTRICAL EQUIPMENT, DISCONNECT SWITCHES, CONDUCTORS, RACEWAYS, SUPPORTS, AND ASSOCIATED ELECTRICAL COMPONENTS SERVING MECHANICAL EQUIPMENT WITHING THE DEMOLITION AREAS INDICATED ON THE DRAWINGS.
5. ALL CIRCUITS ELIMINATED DURING DEMOLITION SHALL BE PROPERLY IDENTIFIED AND TAGGED AT THE JUNCTION BOX AND LABELED AS "SPARE" AT THE ELECTRICAL PANEL.
6. ABANDONED OUTLET BOXES SHALL BE FITTED WITH BLANK COVER PLATES. COLOR TO MATCH EXISTING DEVICES IN THE ROOM UNLESS NOTED OTHERWISE.
7. ALL EXISTING RECEPTACLES AND LIGHTING FIXTURES SHALL REMAIN UNLESS SPECIFICALLY INDICATED FOR REMOVAL ON THE DRAWINGS.

ELECTRICAL KEY NOTES

(#) SYMBOL INDICATES DEMO KEY NOTE

1. SP - DENOTES 'SUBPANEL', CIRCUIT NUMBERS AS SHOWN. REFER TO PANEL BOARD SCHEDULE ON SHEET E6.01. ALL THE RECEPTACLES IN THE SGI ROOM SHALL BE TAMPER RESISTANT.
2. EXTEND EXISTING BRANCH-CIRCUIT WIRING ONLY WHERE EXISTING CONDUCTORS AND RACEWAYS ARE VERIFIED TO BE IN GOOD CONDITION AND ADEQUATE FOR THE RELOCATED EQUIPMENT LOAD AND INSTALLATION, IN ACCORDANCE WITH THE LATEST APPLICABLE NEC. OTHERWISE, REMOVE EXISTING CONDUCTORS TO THE SOURCE/OVERCURRENT DEVICE AND PROVIDE NEW CONDUCTORS, RACEWAY, EQUIPMENT GROUNDING CONDUCTOR, AND DISCONNECTING MEANS AS REQUIRED. MAKE ALL SPLICES IN LISTED, PROPERLY SIZED, READILY ACCESSIBLE JUNCTION BOXES WITH COVERS. REMOVE ABANDONED WIRING AND RACEWAYS WHERE PRACTICAL. COORDINATE FINAL ELECTRICAL REQUIREMENTS WITH MECHANICAL EQUIPMENT MANUFACTURER AND MECHANICAL CONTRACTOR.
3. REFER TO LIGHTING DEMO KEY NOTE 2 ON SHEET E1.01.

NJ Certificate of Authorization

Engr. Nos.	24GA27937500
Arch. Nos.	21AC00012400
Date	11/10/26
Checked	WH
Drawn	HP

THOMAS WIGHARD, P.E. — Title: PROFESSIONAL ENGINEER — License No. NJ24GE04901100

Revisions:

BID SET 11/10/26

State Project#: 1280-070-27-1000

LAN ASSOCIATES
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PROPOSED ELEC PLANS - LEARNING RESOURCE

INERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
300 DELANCO ROAD, EDGEWATER PARK NJ 08010

Job No. 2.20554.03

File No. 2055403 E201

E2.02

EXISTING

LOCATED IN: ROOM 109C

PANEL NAME: H	TOP/BOTTOM: BOTTOM	PHASE: 3PH - 4W
VOLTAGE: 120/208V	PANEL BOARD AND BREAKER KAIC RATING: 22 kA	MAIN LUG ONLY
MAIN RATING: 100A		MOUNTING: RECESSED

COPPER BUS FULLY RATED NEUTRAL BAR & FULL EQUIPMENT GROUND

CKT NO.	LOAD DESCRIPTION	WATTS A	WATTS B	WATTS C	BRKR AMPS	# OF POLES	# OF POLES	BRKR AMPS	WATTS A	WATTS B	WATTS C	LOAD DESCRIPTION	CKT NO.
1	EXISTING	-			20	1	1	20	-			LIGHTING (FACULTY 109)	2
3	EXISTING		-		20	1	1	20		-		EXISTING	4
5	REFRIGERATOR 'RF-1'			-	20	1	1	20			-	LIGHTING (SGI RM.109A)	6
7	RECEPTACLES (FAC RM 109)	-			20	1	1	20	-			MICROWAVE 'MW-1'	8
9	RANGE 'OV-1'		-		40	2	1	20		-		MICROWAVE 'MW-1'	10
11				-			1	20			-	EXISTING	12
13	EXISTING	-			20	2	1	20	-			WASHER	14
15			-				1	20		-		WATER COOLER 'WC-1'	16
17	EXISTING			-	30	2	1	20			-	RECEPTACLES	18
19		-					1	20	-			MOTORIZED DAMPER	20
21	BF-AC-S01		-		15	1	2	30		-		DRYER	22
23	MICROWAVE 'MW-1'			-	20	1					-		24
25	EXISTING	-			50	2	2	50	-			EXISTING	26
27			-							-			28
29	RECEPTACLES (SGI 109A)			-	20	1	1	20			-	COFFEE MAKER	30
TOTALS		#####	#####	#####					###	#####	#####		TOTALS

PHASE TOTALS WATTS	A:	###	B: #####	C: #####	
TOTAL CONNECTED KW	###				
TOTAL CONNECTED AMPS	###				

EXISTING

LOCATED IN: STORAGE S01

PANEL NAME: MDP-A	TOP/BOTTOM: BOTTOM	PHASE: 3PH - 4W
VOLTAGE: 120/208V	PANEL BOARD AND BREAKER KAIC RATING: 22 kA	MAIN LUG ONLY
MAIN RATING: 225A		MOUNTING: SURFACE

COPPER BUS FULLY RATED NEUTRAL BAR & FULL EQUIPMENT GROUND

CKT NO.	LOAD DESCRIPTION	WATTS A	WATTS B	WATTS C	BRKR AMPS	# OF POLES	# OF POLES	BRKR AMPS	WATTS A	WATTS B	WATTS C	LOAD DESCRIPTION	CKT NO.
1	EXISTING	-			20	1	1	20	-			EXISTING	2
3	EXISTING		-		20	1	1	20		-		EXISTING	4
5	EXISTING			-	20	1	1	20			-	EXISTING	6
7	EXISTING	-			20	1	1	20	-			EXISTING	8
9	EXISTING		-		20	1	1	20		-		EXISTING	10
11	EXISTING			-	20	1	1	20			-	EXISTING	12
13	EXISTING	-			20	1	1	20	-			EXISTING	14
15	EXISTING		-		20	1	1	20		-		EXISTING	16
17	EXISTING			-	20	1	1	20			-	EXISTING	18
19	EXISTING	-			20	1	1	20	-			EXISTING	20
21	EXISTING		-		20	1	1	20		-		EXISTING	22
23	EXISTING			-	20	1	1	20			-	EXISTING	24
25	EXISTING	-			20	1	1	20	-			EXISTING	26
27	EXISTING		-		20	1	1	20		-		EXISTING	28
29				-			1	20			-	EXISTING	30
31	EXISTING	-			50	3	1	20	-			EXISTING	32
33			-				1	20		-		EXISTING	34
35	EXISTING			-	20	1	1	20			-	EXISTING	36
37	EXISTING	-			20	1	1	20	-			EXISTING	38
39	EXISTING		-		20	1	1	20		-		EXISTING	40
41	EXISTING			-	20	1	1	20			-	EXISTING	42
43	EXISTING	-			20	1	1	20	-			EXISTING	44
45	EXISTING		-		20	1	1	20		-		EXISTING	46
47	EXISTING			-	20	1	1	20			-	EXISTING	48
49	EXISTING	-			20	1	1	20	-			EXISTING	50
51	EXISTING		-		20	1	1	20		-		EXISTING	52
53	EXISTING			-	20	1	1	20			-	EXISTING	54
55	EXISTING	-			20	1	1	20	-			EXISTING	56
57	AC-109A, AC-S01		-		15	2	1	20		-		EXHAUST HOOD (FACULTY LOUNGE 109)	58
59				-			-	-			-	SPACE	60
61	SPACE	-			-	-	-	-	-			SPACE	62
63	SPACE		-		-	-	-	-		-		SPACE	64
65	SPACE			-	-	-	-	-			-	SPACE	66
67	SPACE	-			-	-	-	-	-			SPACE	68
69	SPACE		-		-	-	-	-		-		SPACE	70
71	SPACE			-	-	-	-	-			-	SPACE	72
73	SPACE	-			-	-	-	-	-			SPACE	74
75	SPACE		-		-	-	-	-		-		SPACE	76
77	SPACE			-	-	-	-	-			-	SPACE	78
79	SPACE	-			-	-	-	-	-			SPACE	80
81	SPACE		-		-	-	-	-		-		SPACE	82
83	SPACE			-	-	-	-	-			-	SPACE	84
TOTALS		#####	#####	#####					###	#####	#####		TOTALS

PHASE TOTALS WATTS	A:	###	B: #####	C: #####	
TOTAL CONNECTED KW	###				
TOTAL CONNECTED AMPS	###				

EXISTING

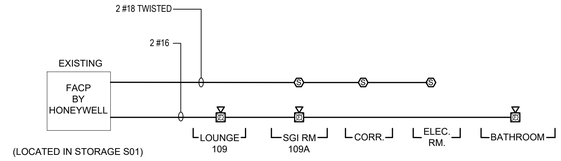
LOCATED IN: STORAGE S02

PANEL NAME: RP1	TOP/BOTTOM: BOTTOM	PHASE: 3PH - 4W
VOLTAGE: 120/208V	PANEL BOARD AND BREAKER KAIC RATING: 22 kA	MAIN C.B.: 175A
MAIN RATING: 175A		MOUNTING: SURFACE

COPPER BUS FULLY RATED NEUTRAL BAR & FULL EQUIPMENT GROUND

CKT NO.	LOAD DESCRIPTION	WATTS A	WATTS B	WATTS C	BRKR AMPS	# OF POLES	# OF POLES	BRKR AMPS	WATTS A	WATTS B	WATTS C	LOAD DESCRIPTION	CKT NO.
1	EXISTING	-			20	1	1	20	-			EXISTING	2
3	EXISTING		-		20	1	1	20		-		EXISTING	4
5	EXISTING			-	20	1	1	20			-	EXISTING	6
7	EXISTING	-			20	1	1	20	-			EXISTING	8
9	EXISTING		-		20	1	1	20		-		EXISTING	10
11	EXISTING			-	20	1	1	20			-	EXISTING	12
13	EXISTING	-			20	1	1	20	-			EXISTING	14
15	EXISTING		-		20	1	1	20		-		EXISTING	16
17	EXISTING			-	20	1	1	20			-	EXISTING	18
19	EXISTING	-			20	1	1	20	-			EXISTING	20
21	EXISTING		-		20	1	1	20		-		EXISTING	22
23	EXISTING			-	20	1	1	20			-	EXISTING	24
25	EXISTING	-			20	1	1	20	-			EXISTING	26
27	EXISTING		-		20	1	1	20		-		EXISTING	28
29				-			1	20			-	EXISTING	30
31	EXISTING	-			50	3	1	20	-			EXISTING	32
33			-				1	20		-		EXISTING	34
35	EXISTING			-	20	1	1	20			-	EXISTING	36
37	EXISTING	-			20	1	1	20	-			EXISTING	38
39	EXISTING		-		20	1	1	20		-		EXISTING	40
41	EXISTING			-	20	1	1	20			-	EXISTING	42
43	EXISTING	-			20	1	1	20	-			EXISTING	44
45	EXISTING		-		20	1	1	20		-		EXISTING	46
47	EXISTING			-	20	1	1	20			-	EXISTING	48
49	EXISTING	-			20	1	1	20	-			EXISTING	50
51	EXISTING		-		20	1	1	20		-		EXISTING	52
53	EXISTING			-	20	1	1	20			-	EXISTING	54
55	EXISTING	-			20	1	1	20	-			EXISTING	56
57	AC-109A, AC-S01		-		15	2	1	20		-		EXHAUST HOOD (FACULTY LOUNGE 109)	58
59				-			-	-			-	SPACE	60
61	SPACE	-			-	-	-	-	-			SPACE	62
63	SPACE		-		-	-	-	-		-		SPACE	64
65	SPACE			-	-	-	-	-			-	SPACE	66
67	SPACE	-			-	-	-	-	-			SPACE	68
69	SPACE		-		-	-	-	-		-		SPACE	70
71	SPACE			-	-	-	-	-			-	SPACE	72
73	SPACE	-			-	-	-	-	-			SPACE	74
75	SPACE		-		-	-	-	-		-		SPACE	76
77	SPACE			-	-	-	-	-			-	SPACE	78
79	SPACE	-			-	-	-	-	-			SPACE	80
81	SPACE		-		-	-	-	-		-		SPACE	82
83	SPACE			-	-	-	-	-			-	SPACE	84
TOTALS		#####	#####	#####					###	#####	#####		TOTALS

PHASE TOTALS WATTS	A:	###	B: #####	C: #####	
TOTAL CONNECTED KW	###				
TOTAL CONNECTED AMPS	###				



2 E6.01 FIRE ALARM ONE-LINE DIAGRAM

NTS

Fire Alarm Notes

1. REFER TO SHEET E0.01 FOR GENERAL NOTES, ABBREVIATIONS AND SYMBOL LIST.
2. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE LOCAL AUTHORIZED REPRESENTATIVE OF THE EXISTING FIRE ALARM SYSTEM MANUFACTURER. ALL NEW DEVICES, MODULES, AND SOFTWARE/PROGRAMMING CHANGES SHALL BE FULLY COMPATIBLE WITH, AND LISTED FOR USE WITH, THE EXISTING FIRE ALARM CONTROL UNIT.
3. AT ALL TIMES DURING CONSTRUCTION, THE EXISTING FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL. ANY REQUIRED IMPAIRMENTS, SHUTDOWNS, OR BYPASSES SHALL BE MINIMIZED IN DURATION, PRE-APPROVED BY THE OWNER AND AUTHORITY HAVING JURISDICTION (AHJ).
4. PRIOR TO INSTALLATION, CONTRACTOR SHALL VERIFY THAT THE EXISTING FIRE ALARM CONTROL UNIT, POWER SUPPLIES, SIGNALING LINE CIRCUITS (SLC), AND NOTIFICATION APPLIANCE CIRCUITS (NACS) HAVE SUFFICIENT CAPACITY, ADDRESS SPACE, AND POWER TO ACCOMMODATE THE NEW FIRE ALARM DEVICES, AND ANY ASSOCIATED INTERFACE OR MONITOR/CONTROL MODULES. ANY DEFICIENCIES SHALL BE REPORTED TO THE ENGINEER AND OWNER WITH A WRITTEN PROPOSAL FOR CORRECTIVE WORK BEFORE PROCEEDING.
5. ALL FIRE ALARM WORK SHALL CONFORM TO THE CURRENT ADOPTED EDITIONS OF NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE, NFPA 70 (NEC), THE NEW JERSEY UNIFORM CONSTRUCTION CODE, THE NEW JERSEY UNIFORM FIRE CODE, AND ALL REQUIREMENTS OF THE AHJ.
6. CONTRACTOR SHALL SUBMIT FIRE ALARM SHOP DRAWINGS, BATTERY AND VOLTAGE-DROP CALCULATIONS, SEQUENCE OF OPERATIONS, AND MANUFACTURER DATA FOR ALL NEW DEVICES AND MODULES, SEALED WHERE REQUIRED, FOR REVIEW AND AHJ APPROVAL PRIOR TO INSTALLATION.
7. UPON COMPLETION, CONTRACTOR SHALL PERFORM 100% ACCEPTANCE TESTING OF ALL NEW AND AFFECTED FIRE ALARM DEVICES AND INTERFACES IN THE PRESENCE OF THE OWNER AND/OR AHJ, AND SHALL PROVIDE UPDATED "AS-BUILT" FIRE ALARM DRAWINGS, REVISED POINT LIST, AND TEST REPORTS IN ACCORDANCE WITH NFPA 72.
8. ALL NEW DEVICES, JUNCTION BOXES, AND CIRCUITS ASSOCIATED WITH THE FIRE ALARM SYSTEM SHALL BE PERMANENTLY LABELED TO MATCH THE FINAL AS-BUILT DOCUMENTATION AND POINT LIST.

General Panel Schedule Notes:

1. CONNECT ALL 20A-1P & 20A-2P CIRCUITS WITH 2 # 12 & 1 # 12 G. UON
2. CONNECT ALL 30A-2P CIRCUITS WITH 2 # 10 & 1 # 10 G. UON
3. CONNECT ALL 40A-2P CIRCUITS WITH 2 # 8 & 1 # 10 G. UON
4. TO ACCOMODATE FOR VOLTAGE DROP ALL 120 VOLT BRANCH CIRCUITS SHALL NOT BE LESS THAN #12 AWG AND SHALL NOT EXCEED 70 FEET FROM PANELBOARD TO FURTHEST OUTLETS. FOR HOMERUNS THAT DO NOT EXCEED 100 FEET #10 AWG IS PERMITTED. FOR HOMERUNS UP TO 150 FEET, CONDUCTORS SHALL NOT BE LESS THAN #8 AWG.
5. PROVIDE EMT OR MC CABLE FOR BRANCH CIRCUITS.
6. COMPLETE THE INSTALLATION PER LATEST NEC REQUIREMENTS.

Panelboard Schedule Key Notes

(#) SYMBOL INDICATES ELECT. KEY NOTE

1. REUSE THE EXISTING CIRCUIT NUMBER AND CIRCUIT BREAKER THAT BECOMES AVAILABLE AFTER DEMOLITION. REFER TO DEMOLITION KEY NOTES ON SHEET E1.01 FOR ADDITIONAL INFORMATION.
2. REPLACE EXISTING 20A, 2-POLE CIRCUIT BREAKER WITH NEW 1-POLE CIRCUIT BREAKERS, RATED AS SHOWN IN THE PANEL SCHEDULE.
3. PROVIDE NEW CIRCUIT BREAKER RATED 20A, 1-POLE.
4. PROVIDE NEW CIRCUIT BREAKER RATED 15A, 2-POLE.
5. EXISTING PANEL CONNECTED LOAD INFORMATION WAS NOT AVAILABLE. THE PANEL SCHEDULE REFLECTS NEW LOADS ONLY UNDER THE SCOPE OF WORK.
6. PROVIDE 2 # 10, 1 #10 NEUTRAL & 1 # 10 G
7. PROVIDE NEW CIRCUIT BREAKER RATED 20A, 1-POLE, GFI PROTECTED.
8. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW ONE RATED 40A, 2-POLE.

1 E6.01 PROPOSED PANELBOARD SCHEDULES

NTS

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PROFESSIONAL ENGINEER
License No. NJ24GE04901100

NJ Certificate of Authorization

Engr. Nos.	24GA27937500
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State Project#: 1280-070-27-1000

PANELBOARD SCHEDULES & FA ONE-LINE

INERIOR ALTERATIONS AT SAMUEL M. RIDGWAY MIDDLE SCHOOL
EDGEWATER PARK BOARD OF EDUCATION
300 DELANCO ROAD, EDGEWATER PARK NJ 08010

Job No. 2.20554.03

File No. 2055403 E601

E6.01