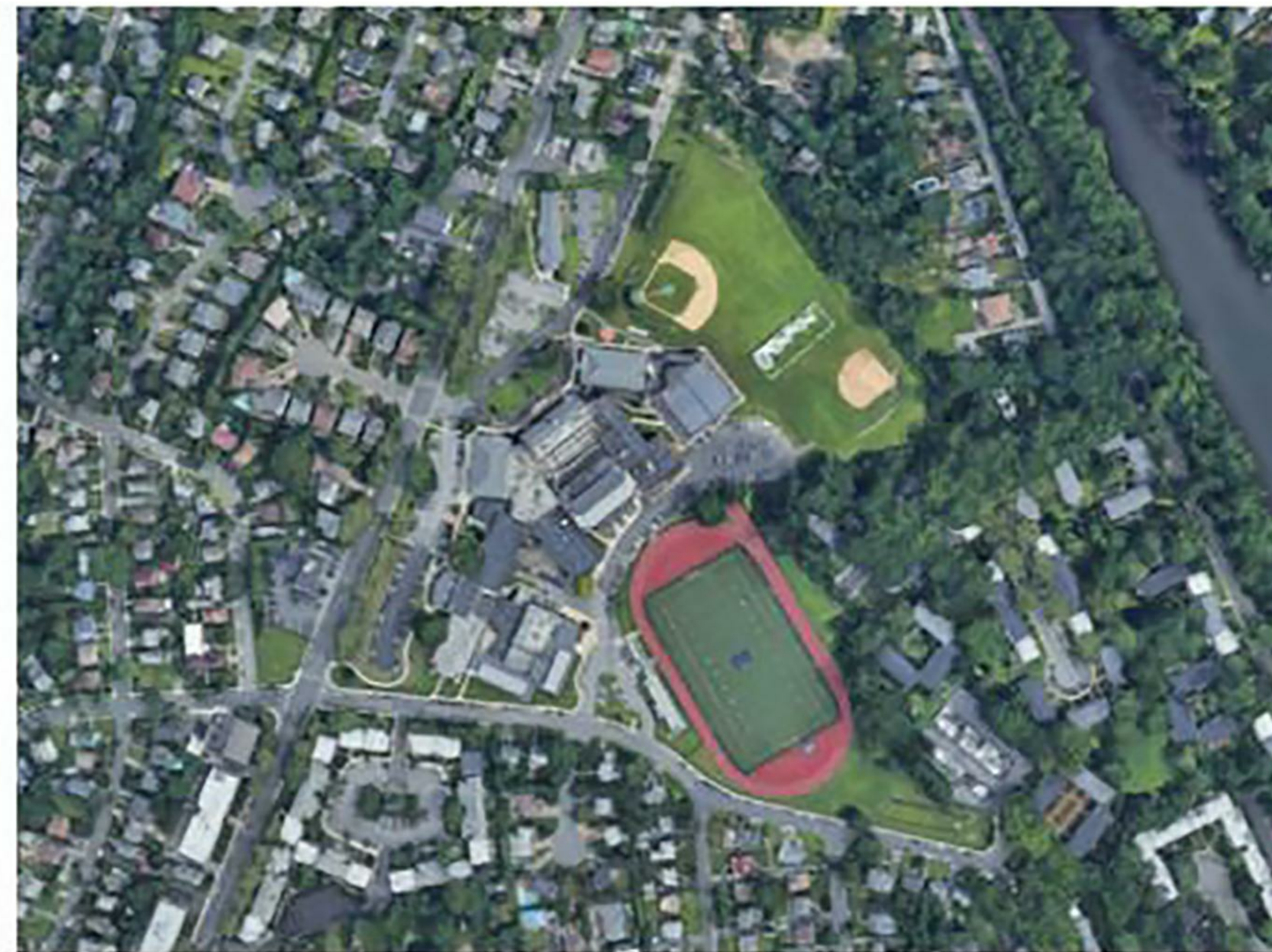


**EASTCHESTER UNION FREE SCHOOL DISTRICT**  
**2022 CAPITAL BOND PROJECT PHASE 3**  
MEMASI PROJECT # 102-2301

**EASTCHESTER MIDDLE SCHOOL / HIGH SCHOOL**  
2 STEWART PLACE, EASTCHESTER, NY 10709  
SED # 66-03-01-03-0-003-031

**ANNE HUTCHINSON ELEMENTARY SCHOOL**  
60 MILL RD, EASTCHESTER, NY 10709  
SED # 66-03-01-03-0-001-023



MIDDLE / HIGH SCHOOL  
NTS



ANNE HUTCHINSON  
NTS

**ISSUED FOR BID: 12/18/2023**

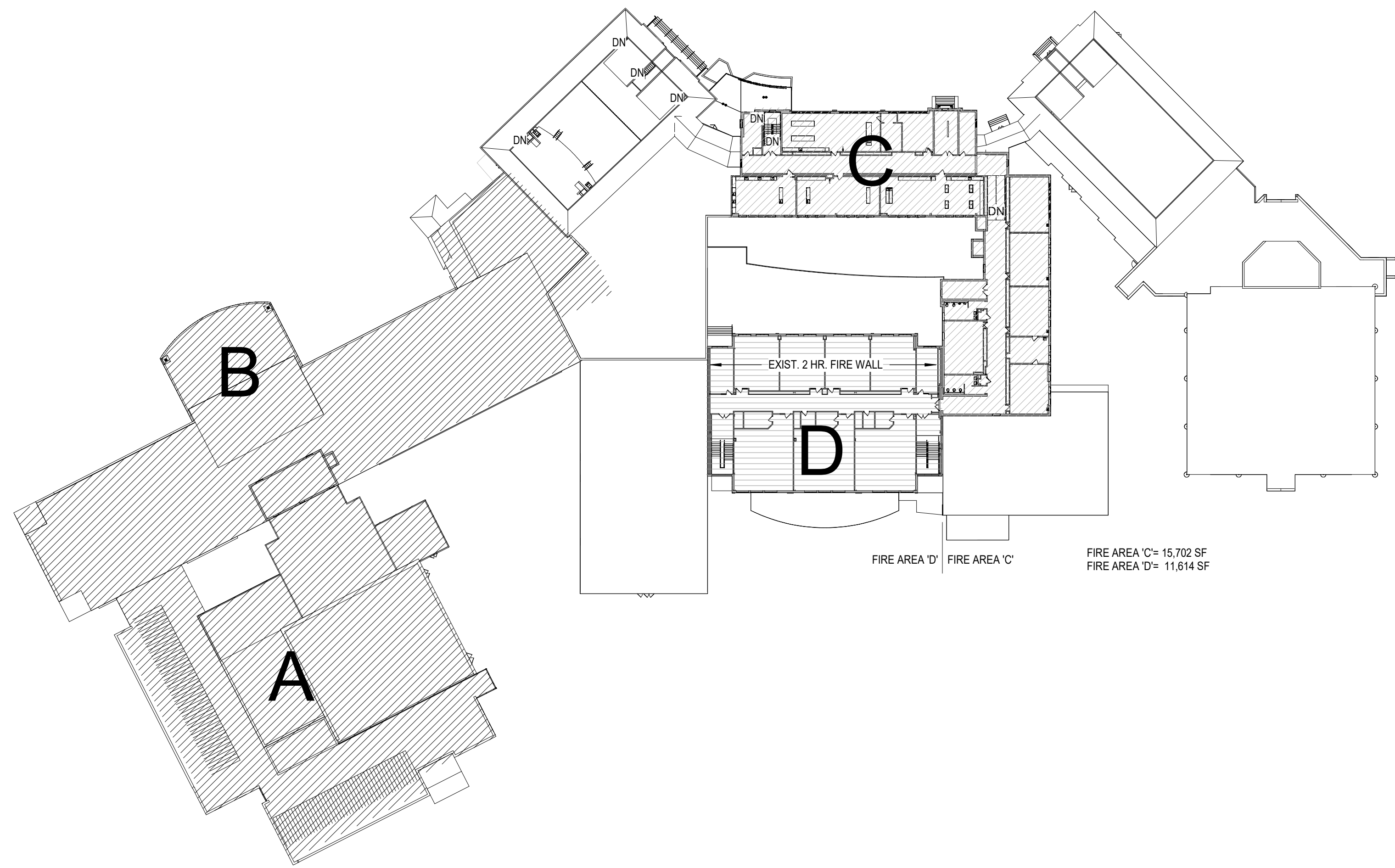
THE DESIGN OF THIS PROJECT CONFORMS TO APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND THE MANUAL OF PLANNING STANDARDS OF THE NEW YORK STATE EDUCATION DEPARTMENT.

MEMASI

2 Lyon Place  
White Plains, NY 10601  
memasidesign.com



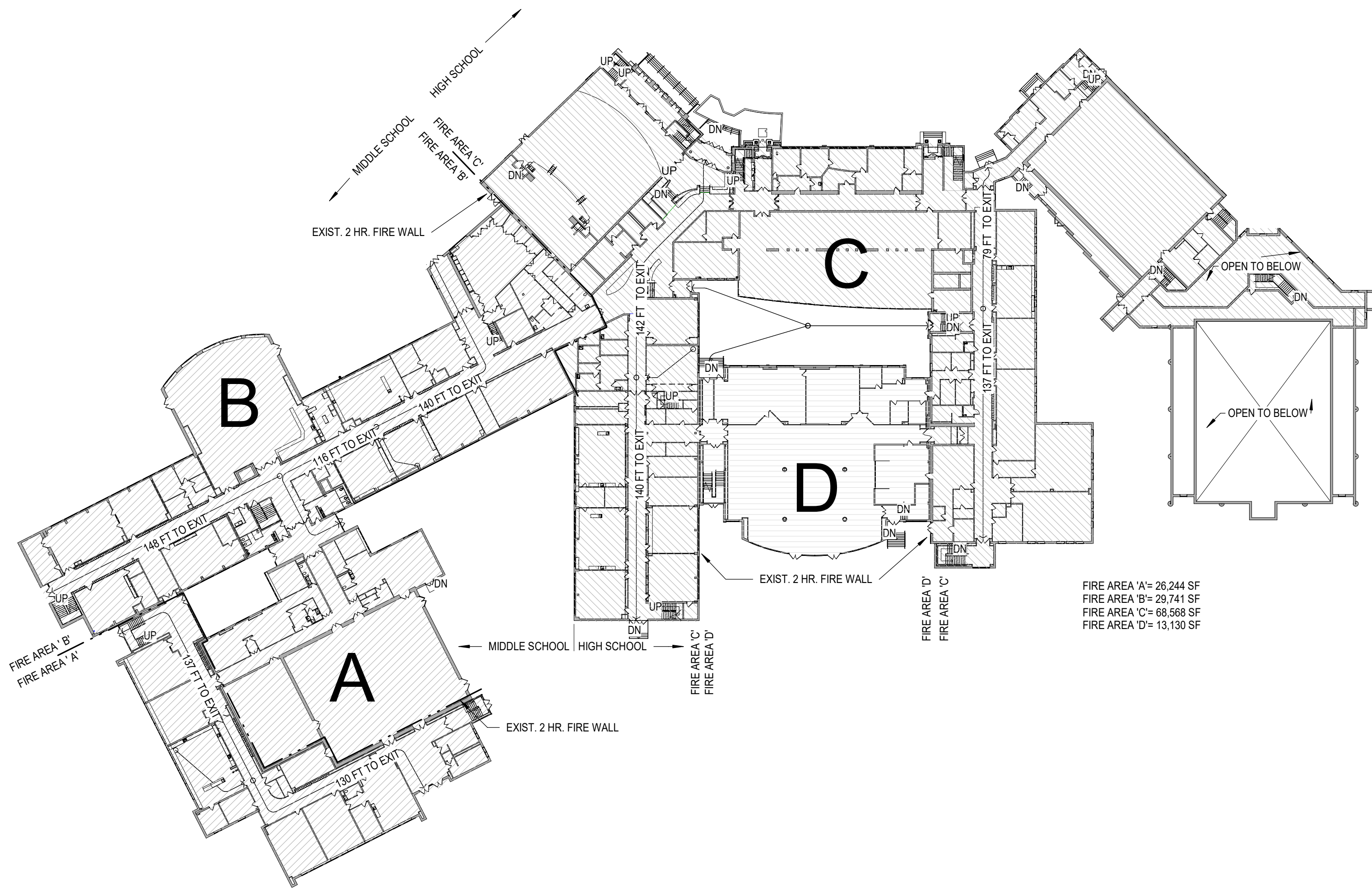




LIFE SAFETY PLAN - THIRD FLOOR

1" = 50'-0"

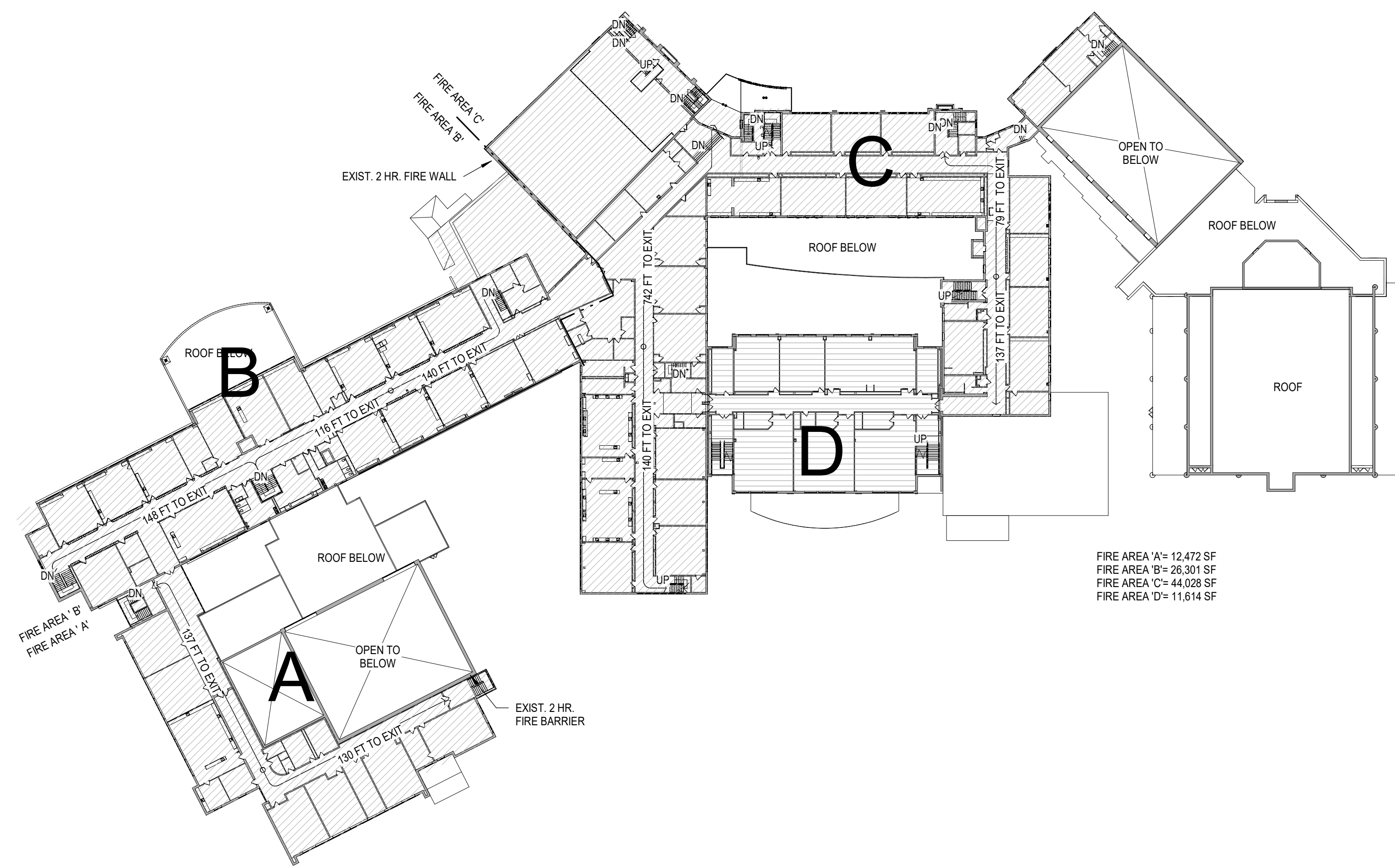
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LIFE SAFETY PLAN - FIRST FLOOR

1" = 50'-0"

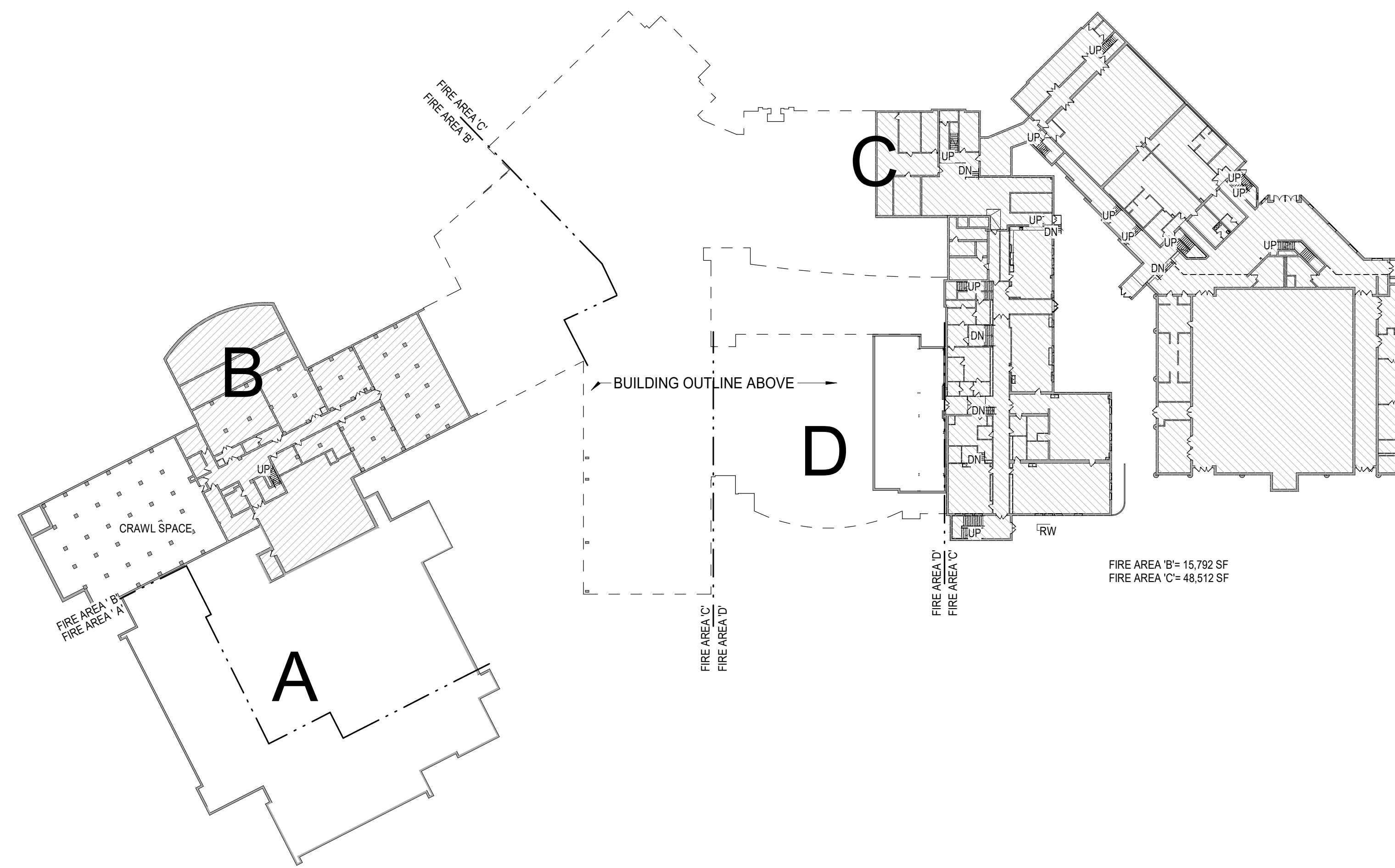
20



LIFE SAFETY PLAN - SECOND FLOOR

1" = 50'-0"

11



LIFE SAFETY PLAN - BASEMENT

1" = 50'-0"

10

2020 BUILDING CODE OF NEW YORK STATE ANALYSIS - CHAPTER 10 MEANS OF EGRESS

BC 1004.1	DESIGN OCCUPANT LOAD	IN DETERMINING MEANS OF EGRESS, THE NUMBER OF OCCUPANTS FOR WHOM MEANS OF EGRESS FACILITIES ARE PROVIDED SHALL BE DETERMINED IN ACCORDANCE WITH THIS SECTION.	TABLE 1006.3.1	MIN. NUMBER OF EXITS OR ACCESS TO EXITS PER STORY	OCCUPANT LOAD PER STORY	MIN. NUMBER OF EXITS OR ACCESS TO EXITS
TABLE 1004.5	MAX. FLOOR AREA PER OCC.	ACCESSORY STORAGE AREAS, MECHANICAL EQUIP. RM ASSEMBLY WITH FIXED SEATS UNCONCENTRATED WITH FIXED SEATS (1004.4) (THE TOTAL NUMBER OF INSTALLED SEATS AT ANNE HUTCHINSON ES IS 400)	BC 1007.1.1	TWO EXITS OR EXIT	1-500 501-1,000 > 1,000	2 3 4
	BUSINESS AREAS	150 SF GROSS/ OCC. > 50 SF/OCC.	BC 1007.1.2	THREE OR MORE EXITS OR		
	EDUCATIONAL	CLASSROOM AREA 20 SF. NET / OCC. 50 SF. NET / OCC.	BC 1008.1	MEANS OF EGRESS		
	LIBRARY	READING ROOMS 50 SF. GROSS / OCC. 50 SF. NET / OCC.	BC 1009.1	ACCESSIBLE MEANS OF EGRESS REQUIRED		
	STAGES AND PLATFORMS	STACK AREA 100 SF. GROSS/ OCC. 15 SF. NET / OCC.	TABLE 1017.2	EXIT ACCESS TRAVEL DISTANCE	OCCUPANCY E (EDUCATIONAL) WITHOUT SPRINKLER SYSTEM	200 FEET
BC 1004.7	OUTDOOR AREAS	YARD, PATIOS, OCCUPIED ROOFS, COURTS AND SIMILAR OUTDOOR AREAS ACCESSIBLE TO AND USABLE BY THE BUILDING OCCUPANTS SHALL BE PROVIDED. MEANS OF EGRESS AS REQUIRED BY THIS CHAPTER. THE OCCUPANT LOAD SHALL BE ASSIGNED BY THE BUILDING OFFICIAL.	TABLE 1020.1	CORRIDOR FIRE-RESISTANCE RATING	OCCUPANCY E (EDUCATIONAL) WITHOUT SPRINKLER SYSTEM	1 (HOUR)
BC 1005.3.1	STAIRWAYS	THE CAPACITY, IN INCHES, OF MEANS OF EGRESS STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH STAIRWAY BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.3 INCH PER OCCUPANT.	BC 1020.4	DEAD ENDS	WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT THERE ARE NO DEAD ENDS IN CORRIDORS WITH MORE THAN 20 FEET IN LENGTH.	
BC 1005.3.2	OTHER EGRESS COMPONENTS	THE CAPACITY, IN INCHES, OF MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH COMPONENT BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2 INCH PER OCCUPANT.	BC 1028.1	EXIT DISCHARGE	EXITS SHALL DISCHARGE DIRECTLY TO THE EXTERIOR OF THE BUILDING. THE EXIT DISCHARGE SHALL BE AT GRADE OR SHALL PROVIDE A DIRECT PATH OF EGRESS TRAVEL TO GRADE. THE EXIT DISCHARGE SHALL NOT REENTER THE BUILDING.	
TABLE 1006.2.1	MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE	OCCUPANCY E (EDUCATIONAL) WITHOUT SPRINKLER SYSTEM				75 FEET

TOTAL OCCUPANT LOAD AND EXIT CAPACITY

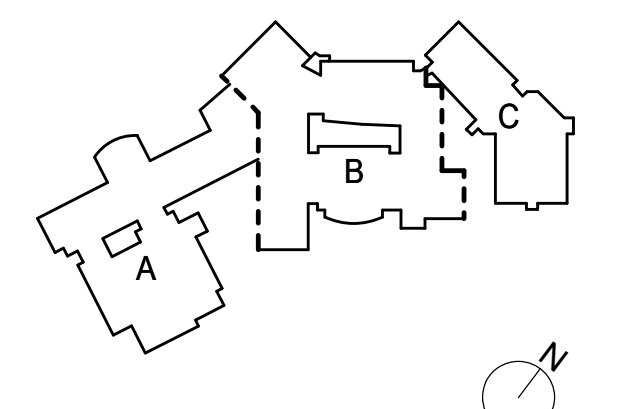
	EXIST. CAPACITY	TOTAL OCCUPANT LOAD
<b>EXIST. BASEMENT FLOOR</b>		
FIRE AREA 'B'	TOTAL EXIT CAPACITY BASEMENT FLOOR 180	> 48 (OCCS.) COMPLIES WITH 2020 NYS BC.
FIRE AREA 'C'	TOTAL EXIT CAPACITY FROM BASEMENT 3,280	> 549 (OCCS.) COMPLIES WITH 2020 NYS BC.
<b>EXIST. FIRST FLOOR</b>		
FIRE AREA 'A' & 'B'	TOTAL EXIT CAPACITY FROM FIRST FLOOR 2,700	> 1,019 (OCCS.) COMPLIES WITH 2020 NYS BC.
FIRE AREA 'C'	TOTAL EXIT CAPACITY FROM GROUND FLOOR 2,700	> 750 (OCCS.) COMPLIES WITH 2020 NYS BC.
FIRE AREA 'D'	TOTAL EXIT CAPACITY FROM GROUND FLOOR 1,080	> 59 (OCCS.) COMPLIES WITH 2020 NYS BC.
<b>EXIST. SECOND FLOOR</b>		
FIRE AREA 'A' & 'B'	TOTAL EXIT CAPACITY FROM GROUND FLOOR 1,200	> 1,007 (OCCS.) COMPLIES WITH 2020 NYS BC.
FIRE AREA 'C'	TOTAL EXIT CAPACITY FROM GROUND FLOOR 2,210	> 734 (OCCS.) COMPLIES WITH 2020 NYS BC.
FIRE AREA 'D'	TOTAL EXIT CAPACITY FROM GROUND FLOOR 480	> 202 (OCCS.) COMPLIES WITH 2020 NYS BC.
<b>EXIST. THIRD FLOOR</b>		
FIRE AREA 'C'	TOTAL EXIT CAPACITY FROM GROUND FLOOR 770	> 310 (OCCS.) COMPLIES WITH 2020 NYS BC.
FIRE AREA 'D'	TOTAL EXIT CAPACITY FROM GROUND FLOOR 480	> 327 (OCCS.) COMPLIES WITH 2020 NYS BC.

EXPIRATION DATE: 2/29/2024

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BID SET 12/18/2023  
ISSUE DATE

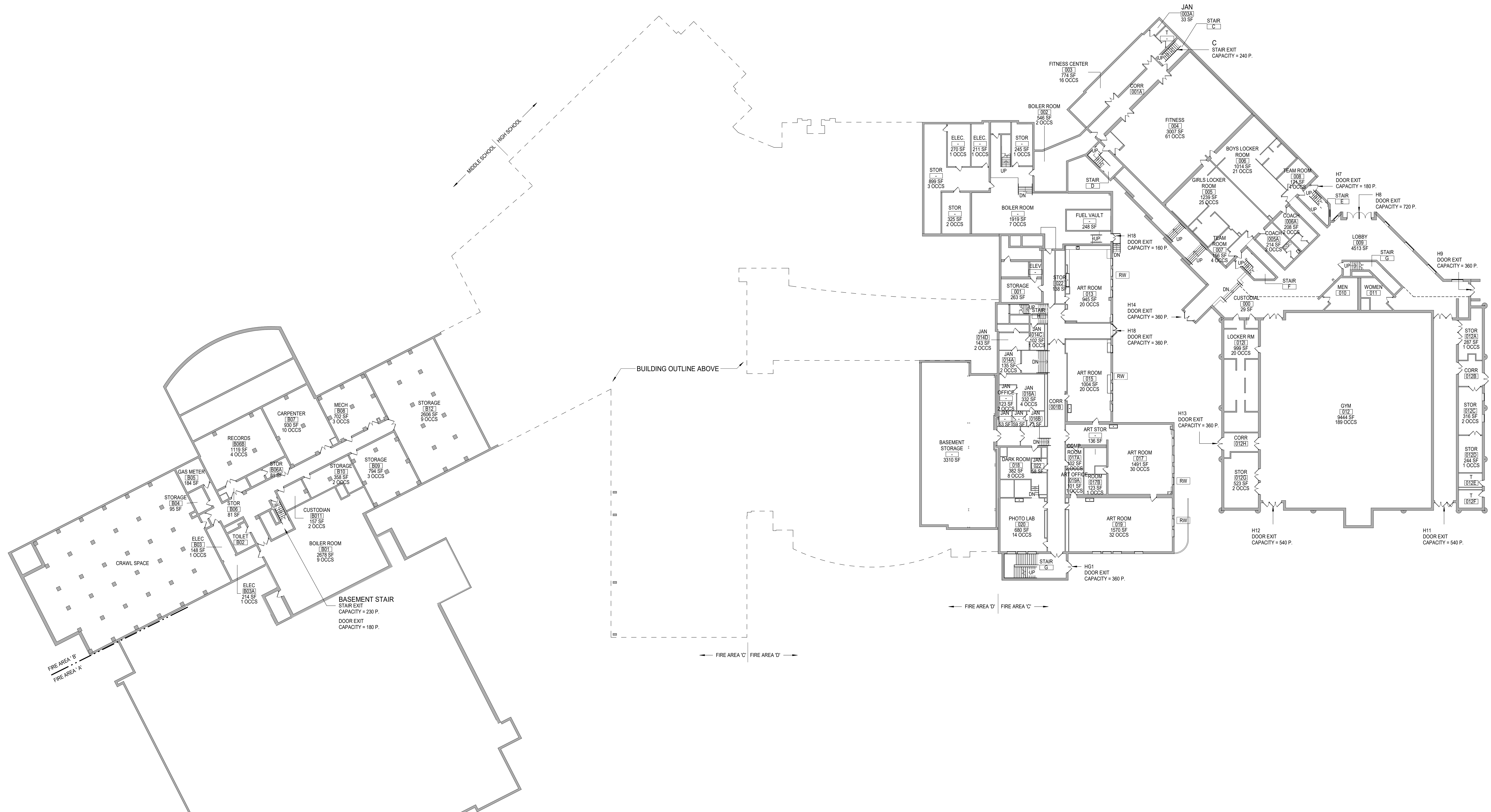
KEY PLAN



PROJECT NO. 66-03-01-03-003-031  
MEMASI PROJECT NO. 102-2301

LIFE SAFETY OVERALL PLANS AND NOTES

LS001



LIFE SAFETY PLAN - BASEMENT

3/64" = 1'-0"

LS-OCCUPANT LOAD - BASEMENT FLOOR BUILDING AREA 'B'					
NUMBER	NAME	TABLE 1004.1.2	AREA	SF/PER PERSON	MAX OCCUPANCY
B01	BOILER ROOM	Accessory storage areas, mechanical equipment room	2678 SF	300	9
B03	ELEC.	Accessory storage areas, mechanical equipment room	143 SF	300	1
B03A	ELEC.	Accessory storage areas, mechanical equipment room	214 SF	300	1
B04	STORAGE	Accessory storage areas, mechanical equipment room	95 SF	300	1
B05	GAS METER	Accessory storage areas, mechanical equipment room	184 SF	300	1
B06	STOR	Accessory storage areas, mechanical equipment room	81 SF	300	1
B06A	STOR	Accessory storage areas, mechanical equipment room	81 SF	300	1
B06B	RECORDS	Accessory storage areas, mechanical equipment room	1119 SF	300	4
B07	CARPENTER	Industrial areas	930 SF	100	10
B08	MECH	Accessory storage areas, mechanical equipment room	702 SF	300	3
B09	STORAGE	Accessory storage areas, mechanical equipment room	794 SF	300	3
B10	STORAGE	Accessory storage areas, mechanical equipment room	385 SF	300	2
B11	CUSTODIAN	Business Areas	197 SF	100	2
B12	STORAGE	Accessory storage areas, mechanical equipment room	2606 SF	300	9
TOTAL OCCUPANCY					48

LS-OCCUPANT LOAD - BASEMENT FLOOR BUILDING AREA 'C'					
NUMBER	NAME	TABLE 1004.1.2	AREA	SF/PER PERSON	MAX OCCUPANCY
-	STOR	Accessory storage areas, mechanical equipment room	245 SF	300	1
-	ELEC.	Accessory storage areas, mechanical equipment room	211 SF	300	1
-	ELEC.	Accessory storage areas, mechanical equipment room	270 SF	300	1
-	STOR	Accessory storage areas, mechanical equipment room	899 SF	300	3
-	STOR	Accessory storage areas, mechanical equipment room	325 SF	300	2
-	JAN OFFICE	Business Areas	123 SF	100	2
-	BOILER ROOM	Accessory storage areas, mechanical equipment room	1919 SF	300	7
-	BASEMENT STORAGE	Accessory storage areas, mechanical equipment room	3310 SF	300	11
001B	CORR	(none)	1327 SF		
002	BOILER ROOM	Accessory storage areas, mechanical equipment room	546 SF	300	2
003	FITNESS CENTER	Exercise rooms	774 SF	50	16
004	FITNESS	Exercise rooms	3007 SF	50	61
005	GIRLS LOCKER ROOM	Locker rooms	1239 SF	50	25
005A	COACH	Business Areas	214 SF	100	2
006	BOYS LOCKER ROOM	Locker rooms	1014 SF	50	21
006A	COACH	Business Areas	208 SF	100	2
007	TEAM ROOM	Locker rooms	158 SF	50	4
008	TEAM ROOM	Locker rooms	171 SF	50	4
012	GYM	Exercise rooms	9444 SF	50	189

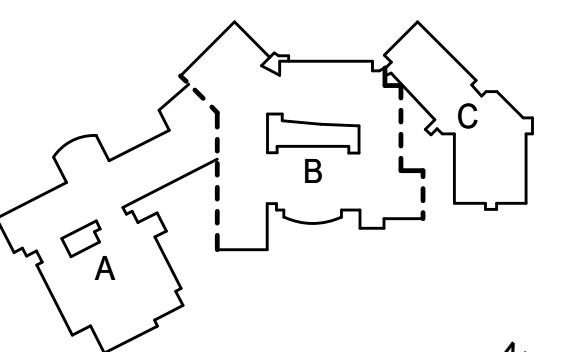
LS-OCCUPANT LOAD - BASEMENT FLOOR BUILDING AREA 'C'					
NUMBER	NAME	TABLE 1004.1.2	AREA	SF/PER PERSON	MAX OCCUPANCY
012A	STOR	Accessory storage areas, mechanical equipment room	287 SF	300	1
012C	STOR	Accessory storage areas, mechanical equipment room	316 SF	300	2
012D	STOR	Accessory storage areas, mechanical equipment room	244 SF	300	1
012E	STOR	Accessory storage areas, mechanical equipment room	523 SF	300	2
012I	LOCKER RM	Locker rooms	999 SF	50	20
013	ART ROOM	Educational, Shops and other vocational room areas	945 SF	50	20
014A	JAN	Business Areas	135 SF	100	2
014C	JAN	Business Areas	102 SF	100	1
014D	JAN	Business Areas	143 SF	100	2
015	ART ROOM	Educational, Shops and other vocational room areas	1004 SF	50	20
016A	JAN	Business Areas	332 SF	100	4
017	ART ROOM	Educational, Shops and other vocational room areas	1491 SF	50	30
017A	COACH ROOM	Educational, Shops and other vocational room areas	102 SF	50	2
017B	ROOM	Accessory storage areas, mechanical equipment room	123 SF	300	1
018	DARK ROOM	Educational, Shops and other vocational room areas	382 SF	50	8
019	ART ROOM	Educational, Shops and other vocational room areas	1570 SF	50	32
019A	ART OFFICE	Business Areas	101 SF	100	1
020	PHOTO LAB	Educational, Shops and other vocational room areas	680 SF	80	14
022	STOR	Accessory storage areas, mechanical equipment room	138 SF	300	1
TOTAL OCCUPANCY					518

EXPIRATION DATE: 2/29/2024

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BID SET 12/18/2023  
ISSUE DATE

KEY PLAN



PROJECT NO. 66-03-01-03-003-031  
MEMASI PROJECT NO. 102-2301

LIFE SAFETY PLAN - BASEMENT

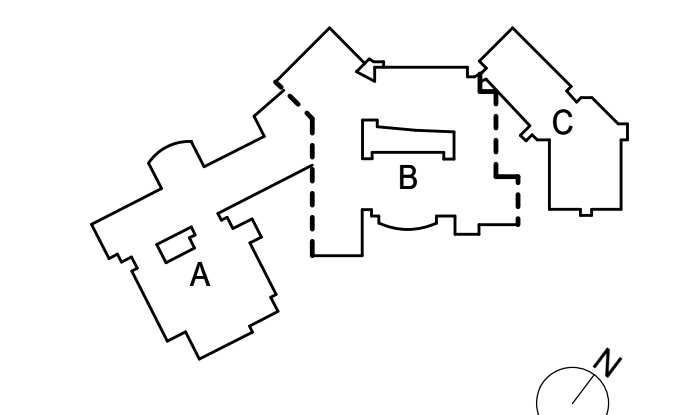
LS002

EXPIRATION DATE: 2/29/2024

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BID SET 12/18/2023  
ISSUE DATE

KEY PLAN

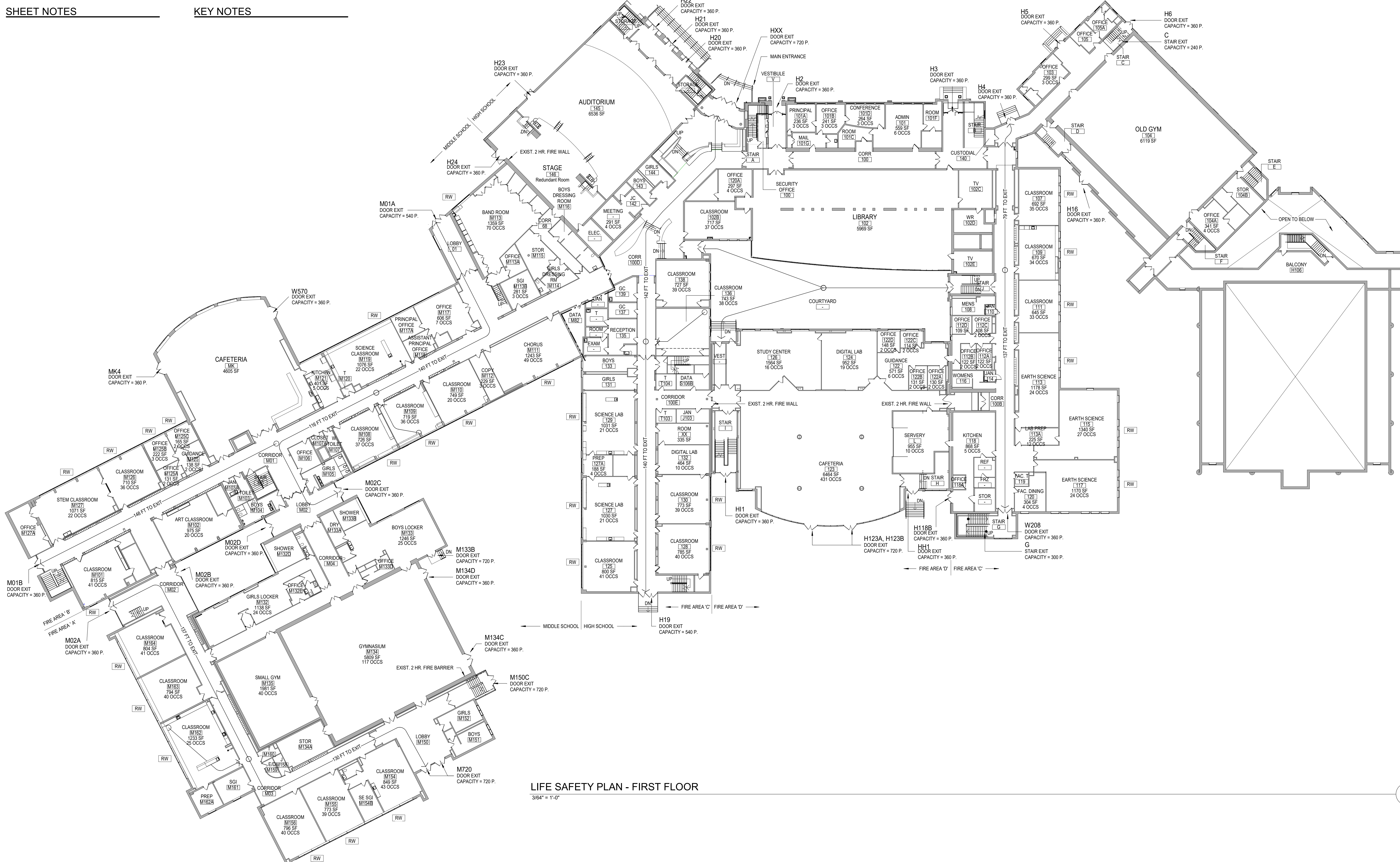


PROJECT NO. 66-03-01-03-003-031  
MEMASI PROJECT NO. 102-2301

LIFE SAFETY PLAN - FIRST FLOOR

LS003

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LIFE SAFETY PLAN - FIRST FLOOR

3/64" = 1'-0"

LS-OCCUPANT LOAD - FIRST FLOOR BUILDING AREA 'A'					
NUMBER	NAME	TABLE 1004.1.2	AREA	SF PER PERSON	MAX OCCUPANCY
M134A	STOR	Accessory storage areas, mechanical equipment room	452 SF	300	2
M150	LOBBY	(none)	1017 SF	50	20
M154	CLASSROOM	Educational, Classroom Area	849 SF	20	43
M154B	SE SCI	Educational, Classroom Area	228 SF	20	12
M155	CLASSROOM	Educational, Classroom Area	773 SF	20	39
M156	CLASSROOM	Educational, Classroom Area	766 SF	20	40
M159	ED	(none)	62 SF	50	5
M161	SGI	Business Areas	254 SF	100	3
M162	CLASSROOM	Educational, Shops and other vocational room areas	1233 SF	50	25
M162A	PREP	Business Areas	187 SF	100	2
M163	CLASSROOM	Educational, Classroom Area	794 SF	20	40
M164	CLASSROOM	Educational, Classroom Area	804 SF	20	41
TOTAL OCCUPANCY					247

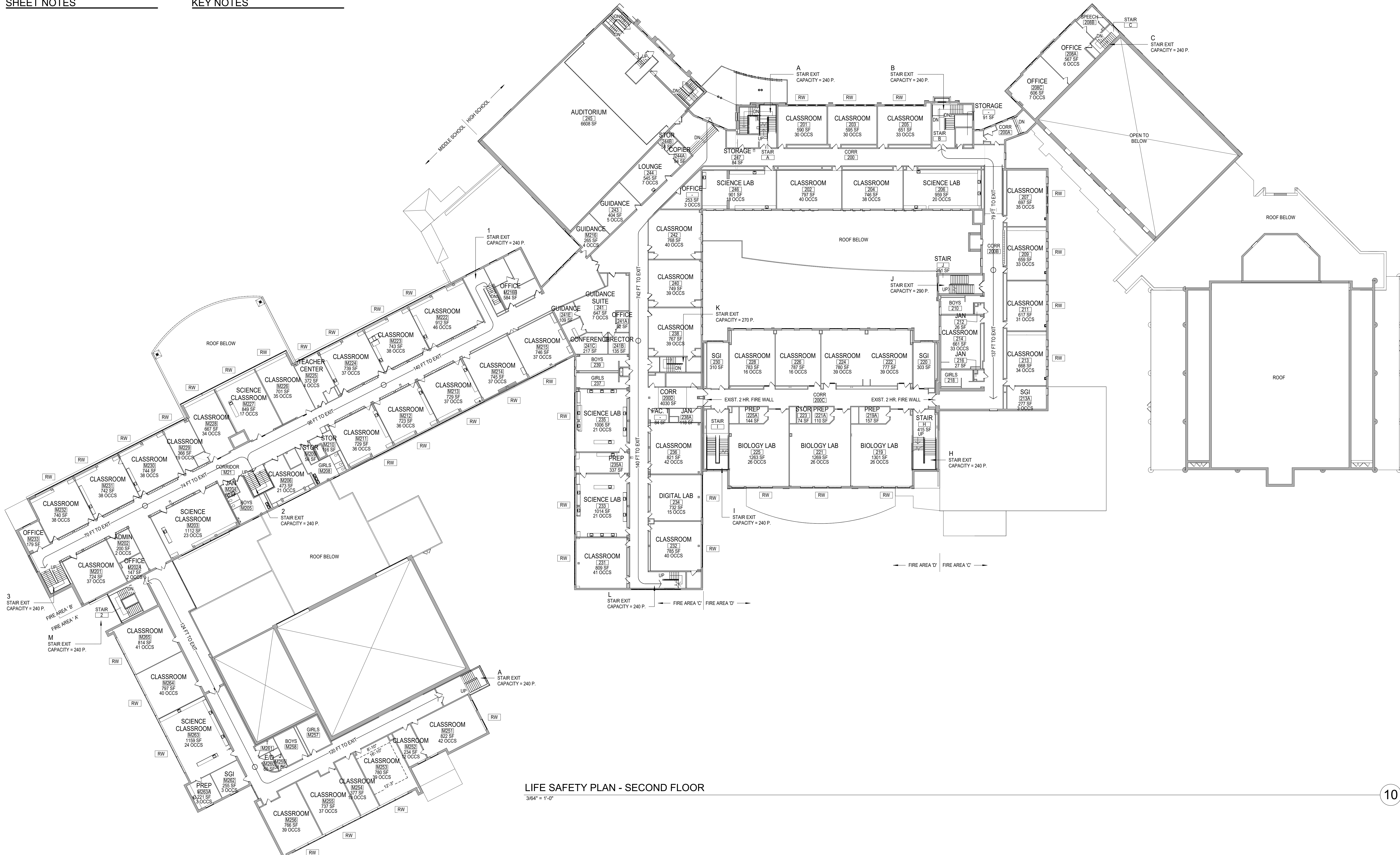
LS-OCCUPANT LOAD - FIRST FLOOR BUILDING AREA 'B'					
NUMBER	NAME	TABLE 1004.1.2	AREA	SF PER PERSON	MAX OCCUPANCY
M01	CORRIDOR	(none)	5631 SF		
M02	LOBBY	(none)	609 SF		
M101	CLASSROOM	Educational, Classroom Area	815 SF	20	41
M102	ART CLASSROOM	Educational, Shops and other vocational room areas	975 SF	50	20
M106	OFFICE	Business Areas	201 SF	100	2
M107A	CLOSET	Accessory storage areas, mechanical equipment room	61 SF	300	1
M108	CLASSROOM	Educational, Classroom Area	726 SF	20	37
M109	CLASSROOM	Educational, Classroom Area	719 SF	20	36

LS-OCCUPANT LOAD - FIRST FLOOR BUILDING AREA 'B'					
NUMBER	NAME	TABLE 1004.1.2	AREA	SF PER PERSON	MAX OCCUPANCY
M110	CLASSROOM	Educational, Classroom Area	749 SF	20	20
M111	CHORUS	Educational, Classroom Area	1243 SF	20	49
M112	COPY	Business Areas	229 SF	100	3
M113	BAND ROOM	Educational, Classroom Area	1259 SF	20	70
M113A	OFFICE	Business Areas	142 SF	100	2
M113B	SGI	Business Areas	261 SF	100	3
M114	GIRLS DRESSING RM	Locker rooms	124 SF	50	5
M115	STOR	Accessory storage areas, mechanical equipment room	339 SF	300	2
M116	BOYS DRESSING ROOM	Locker rooms	311 SF	50	7
M117	OFFICE	Business Areas	606 SF	100	7
M117A	PRINCIPAL OFFICE	Business Areas	202 SF	100	2
M118	ASSISTANT PRINCIPAL OFFICE	Business Areas	142 SF	100	2
M119	SCIENCE CLASSROOM	Educational, Shops and other vocational room areas	1076 SF	50	22
M121	KITCHEN	Business Areas	401 SF	100	5
M125	GUIDANCE	Business Areas	138 SF	100	2
M125A	OFFICE	Business Areas	131 SF	100	2
M125B	OFFICE	Business Areas	222 SF	100	3
M125C	OFFICE	Business Areas	155 SF	100	2
M126	CLASSROOM	Educational, Classroom Area	710 SF	20	36
M127	STEM CLASSROOM	Educational, Shops and other vocational room areas	1071 SF	50	22
M127A	OFFICE	Educational, Shops and other vocational room areas	342 SF	50	7
M132	GIRLS LOCKER	Locker rooms	1138 SF	50	24
M132E	OFFICE	Business Areas	124 SF	100	3
M133	BOYS LOCKER	Locker rooms	1246 SF	50	25
M1330	OFFICE	Business Areas	140 SF	100	2
M134	GYMNASIUM	Exercise rooms	5809 SF	50	117
M135	SMALL GYM	Exercise rooms	1981 SF	50	40
TOTAL OCCUPANCY					621

LS-OCCUPANT LOAD - FIRST FLOOR BUILDING AREA 'C'					
NUMBER	NAME	TABLE 1004.1.2	AREA	SF PER PERSON	MAX OCCUPANCY
100	EXAM	Business Areas	125 SF	100	2
100	ROOM	(none)	63 SF		
100	MEETING	Business Areas	291 SF	100	4
100	REF	(none)	124 SF		
100	STOR	Accessory storage areas, mechanical equipment room	148 SF	300	1
100B	CORR	(none)	784 SF		
100B	CORR	(none)	2622 SF		
100D	CORR	(none)	3003 SF		
100E	CORRIDOR	(none)	1633 SF		
101	ADMIN	Business Areas	559 SF	100	6
101A	PRINCIPAL	Business Areas	236 SF	100	3
101B	OFFICE	Business Areas	241 SF	100	3
101C	ROOM	(none)	172 SF		
101D	CONFERENCE	Business Areas	264 SF	100	3
101F	ROOM	Business Areas	148 SF	100	3
101G	MAIL	(none)	146 SF		
102B	CLASSROOM	Educational, Classroom Area	717 SF	20	37
102C	TV	(none)	389 SF		
102D	WR	(none)	229 SF		
102E	TV	(none)	261 SF		
103	OFFICE	Business Areas	299 SF	100	3
104A	OFFICE	Business Areas	341 SF	100	4
104B	STOR	Accessory storage areas, mechanical equipment room	237 SF	300	1
105	OFFICE	Business Areas	143 SF	100	2
105A	OFFICE	Business Areas	145 SF	100	2
107	CLASSROOM	Educational, Classroom Area	692 SF	20	35
109	CLASSROOM	Educational, Classroom Area	676 SF	20	34
110	JAN	(none)	26 SF		
111	CLASSROOM	Educational, Classroom Area	845 SF	20	33

LS-OCCUPANT LOAD - FIRST FLOOR BUILDING AREA 'C'					
NUMBER	NAME	TABLE 1004.1.2	AREA	SF PER PERSON	MAX OCCUPANCY
112A	OFFICE	Business Areas	122 SF	100	2
112B	OFFICE	Business Areas	122 SF	100	2
112C	OFFICE	Business Areas	108 SF	100	2
113	EARTH SCIENCE	Educational, Shops and other vocational room areas	1178 SF	50	24
113A	LAB PREP	Educational, Classroom Area	225 SF	20	12
114	JAN	(none)	35 SF		
115	EARTH SCIENCE	Educational, Shops and other vocational room areas	1340 SF	50	27
117	EARTH SCIENCE	Educational, Shops and other vocational room areas	1170 SF	50	24
118	KITCHEN	Kitchen commercial	666 SF	200	5
118A	OFFICE	Business Areas	52 SF	100	1
120	FAC. DINING	Business Areas	304 SF	100	4
120A	OFFICE	Business Areas	297 SF	100	4
125	CLASSROOM	Educational, Classroom Area	800 SF	20	41
127	SCIENCE LAB	Educational, Shops and other vocational room areas	1030 SF	50	21
127A	PREP	Business Areas	188 SF	100	4
128	CLASSROOM	Educational, Classroom Area	785 SF	20	40
129	SCIENCE LAB	Educational, Classroom Area	1031 SF	20	21
130	CLASSROOM	Educational, Classroom Area	773 SF	20	39
132	DIGITAL LAB	Educational, Shops and other vocational room areas	484 SF	50	10
135	RECEPTION	Business Areas	266 SF	100	3
136	CLASSROOM	Educational, Classroom Area	743 SF	20	38
137	GC	(none)	130 SF		
138	CLASSROOM	Educational, Classroom Area	727 SF	20	39
139	GC	(none)	168 SF		
142	JC	(none)	110 SF		
H106	BALCONY	(none)	1362 SF		
J103	JAN	Business Areas	139 SF	100	
S100B	DATA	Accessory storage areas, mechanical equipment room	157 SF	300	1
V-1	COURTYARD VESTIBULE	(none)	91 SF		
XX	ROOM	(none)	335 SF		
TOTAL OCCUPANCY					537

LS-OCCUPANT LOAD - FIRST FLOOR BUILDING AREA 'D'					
NUMBER	NAME	TABLE 1004.1.2	AREA	SF PER PERSON	MAX OCCUPANCY
122	GUIDANCE	Business Areas	571 SF	100	6
122A	OFFICE	Business Areas	130 SF	100	2
122B	OFFICE	Business Areas	131 SF	100	2
122C	OFFICE	Business Areas	114 SF	100	2
123D	OFFICE	Business Areas	148 SF	100	2
123	CAFETERIA	Assembly, Uncontradicted (tables and chairs)	6464 SF	15	431
124	DIGITAL LAB	Educational, Shops and other vocational room areas	662 SF	50	19
126	STUDY CENTER	Business Areas	1564 SF	100	16
126	SERVISTRY	Business Areas	955 SF	100	10
TOTAL OCCUPANCY					490



LIFE SAFETY PLAN - SECOND FLOOR  
3/64" = 1'-0"

10

EXPIRATION DATE: 2/29/2024  
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BID SET 12/18/2023  
ISSUE DATE

KEY PLAN

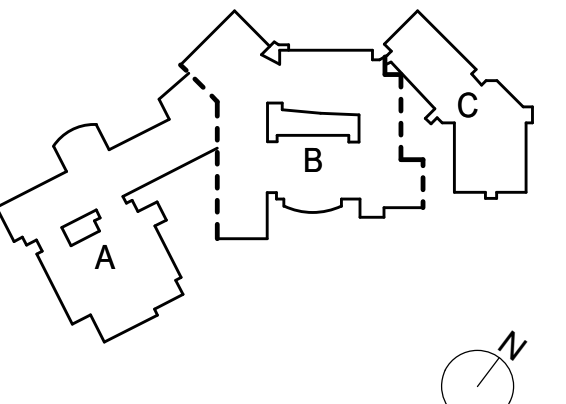
Table with 5 columns: NUMBER, NAME, TABLE 1004.1.2, AREA, SF PER PERSON, MAX OCCUPANCY. Lists room details for LS-OCCUPANT LOAD - SECOND FLOOR AREA 'A'.

Table with 5 columns: NUMBER, NAME, TABLE 1004.1.2, AREA, SF PER PERSON, MAX OCCUPANCY. Lists room details for LS-OCCUPANT LOAD - SECOND FLOOR BUILDING AREA 'B'.

Table with 5 columns: NUMBER, NAME, TABLE 1004.1.2, AREA, SF PER PERSON, MAX OCCUPANCY. Lists room details for LS-OCCUPANT LOAD - SECOND FLOOR BUILDING AREA 'C'.

Table with 5 columns: NUMBER, NAME, TABLE 1004.1.2, AREA, SF PER PERSON, MAX OCCUPANCY. Lists room details for LS-OCCUPANT LOAD - SECOND FLOOR BUILDING AREA 'C'.

Table with 5 columns: NUMBER, NAME, TABLE 1004.1.2, AREA, SF PER PERSON, MAX OCCUPANCY. Lists room details for LS-OCCUPANT LOAD - SECOND FLOOR BUILDING AREA 'D'.



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

LIFE SAFETY PLAN - SECOND FLOOR

LS004

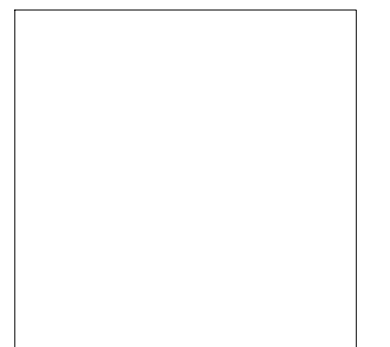


# ASBESTOS ABATEMENT GENERAL NOTES

**GENERAL NOTES:**

- ASBESTOS REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, GUIDELINES, REGULATIONS, ORDERS AND DIRECTIVES, INCLUDING, BUT NOT LIMITED TO THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA), AND U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH), AND NEW YORK STATE DEPARTMENT OF LABOR (NYSDDL).
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, SERVICES, ETC., NECESSARY TO PERFORM THE WORK REQUIRED FOR ASBESTOS ABATEMENT IN ACCORDANCE WITH CONTRACT DOCUMENTS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.
- THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT A WRITTEN STANDARD PROCEDURE FOR ABATEMENT WORK TO ENSURE MAXIMUM PROTECTION AND SAFEGUARD FROM ASBESTOS EXPOSURE OF THE WORKERS, VISITORS, EMPLOYEES, GENERAL PUBLIC, AND THE ENVIRONMENT.
- THE CONTRACTOR SHALL PROVIDE SIGNS, LABELS, WARNINGS, AND POST INSTRUCTIONS THAT ARE NECESSARY TO PROTECT, INFORM AND WARN PEOPLE OF THE HAZARD FROM ASBESTOS EXPOSURE. POST IN A PROMINENT AND CONVENIENT PLACE FOR THE WORKERS A COPY OF THE LATEST APPLICABLE REGULATIONS FROM OSHA, EPA, NIOSH AND NYSDDL.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS.
- THE CONTRACTOR SHALL RELOCATE ALL FURNITURE, LOCKERS, DESKS AND OTHER MISC. ITEMS IN AND OUT OF THE WORK AREAS TO ACCOMMODATE ASBESTOS REMOVAL ACTIVITIES.
- THE CONTRACTOR SHALL PROVIDE ALL ELECTRICAL, WATER, AND WASTE CONNECTIONS, TIE-INS, EXTENSIONS, CONSTRUCTION MATERIALS, SUPPLIES, ETC. AS REQUIRED TO FACILITATE ASBESTOS REMOVAL.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY ELECTRIC AND LIGHT THROUGHOUT THE WORK AREA(S) AS REQUIRED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND CODES.
- THE CONTRACTOR SHALL ESTABLISH CRITICAL BARRIERS OVER ALL OPENINGS LOCATED INSIDE THE PARTICULAR WORK AREA AS WELL AS INSIDE THE SCHOOL.
- THE CONTRACTOR SHALL PROPERLY PROTECT ALL CONTROLS, TUBING, ELECTRICAL PANELS, EQUIPMENT, ETC. WITHIN THE WORK AREA.
- THE CONTRACTOR SHALL BE REQUIRED TO ISSUE NON-WHITE WORK COVERALLS FOR ALL ABATEMENT WORKERS.
- THE CONTRACTOR SHALL EXERCISE EXTREME CARE AND CAUTION DURING ANY AND ALL DEMOLITION AND ABATEMENT OPERATIONS. THE CONTRACTOR SHALL CONDUCT REMOVAL OF ALL MATERIALS FROM THE SITE WITH MINIMUM DISTURBANCE, PROVIDE PROPER PROTECTION AND REGULAR MAINTENANCE OF ALL BUILDING PREMISES DIRECTLY OR INDIRECTLY ASSOCIATED WITH ABATEMENT OPERATIONS.
- THE CONTRACTOR SHALL LOCATE AND SEAL ALL PENETRATIONS THROUGH WALLS BETWEEN THE WORK AREA AND ADJACENT AREAS, INCLUDING, BUT NOT LIMITED TO PIPE, DUCT, CONDUIT, CHASES, AND OPENINGS IN FIRE WALLS OR DECKS BETWEEN FLOORS AS REQUIRED BY THE FIELD CONDITIONS.
- THE CONTRACTOR SHALL USE A WATER SPRAYER TO WET ASBESTOS-CONTAINING MATERIALS INSIDE THE WORK AREA.
- THE CONTRACTOR SHALL CONSTRUCT A PERSONAL/WASTE DECONTAMINATION ENCLOSURE SYSTEM (P./W.D.E.S.) AS INDICATED. IT SHALL BE OF SUFFICIENT SIZE TO ACCOMMODATE STORAGE OF MATERIALS, EQUIPMENT, ETC.
- SHOWER WATER AND WASTE WATER MUST BE FILTERED AND DISPOSED OF IN THE BUILDING'S SANITARY SYSTEM. REFER TO CONTRACT SPECIFICATIONS.
- IF WATER IS NOT AVAILABLE, THE CONTRACTOR SHALL PROVIDE A 55-GALLON WATER TANK FOR THE DECONTAMINATION UNIT.
- THE CONTRACTOR SHALL UTILIZE GFCI PANEL CONNECTIONS AT THE SOURCE OUTLET WHEN ACCESSING TEMPORARY POWER.
- THE CONTRACTOR SHALL SUPPLY ALL NECESSARY CONNECTIONS, FASTENERS, FLEXIBLE DUCTS, MANIFOLDS, SUPPORTS, ETC. ANY AND ALL INSTALLATIONS SHALL COMPLY WITH CONTRACT DOCUMENTS AND MANUFACTURER'S REQUIREMENTS.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE TEMPORARY WATER AND POWER SOURCES PRIOR TO ABATEMENT ACTIVITIES.
- DEBRIS RESULTING FROM ANY DEMOLITION AND/OR ASBESTOS ABATEMENT ACTIVITIES SHALL BE DISPOSED OF AS ASBESTOS CONTAMINATED WASTE.
- NO WASTE SHALL BE STORED ON SITE OR INSIDE THE DECONTAMINATION UNIT BETWEEN SHIFTS. WASTE SHALL BE DOUBLE BAGGED BEFORE PROCEEDING TO THE CONTAINER AND/OR DECON. BAGS WILL BE MOVED FROM WORK AREAS TO THE WASTE DECON AND SUBSEQUENTLY TO THE CONTAINER IN COVERED CARTS. BAGS WILL BE CARRIED BY HAND ONLY WHEN NECESSARY. ALL WASTE SHALL BE CONTAINERIZED AT THE END OF EACH WORK SHIFT BEFORE RELINQUISHING TO WASTE HAULER.
- THE CONTRACTOR IS RESPONSIBLE TO COORDINATE AND CONFIRM THE EXACT SCOPE OF WORK FOR EACH PHASE OF ABATEMENT WITH THE GENERAL CONTRACTOR AND OTHER TRADES.
- THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, TOOLS, TRANSPORTATION AND ANY OTHER EQUIPMENT REQUIRED AND/OR NECESSARY TO COMPLETE ALL WORK DESCRIBED IN THE CONTRACT DOCUMENTS.
- THE LOCATION OF THE PERSONAL/WASTE DECONTAMINATION UNITS, AIRLOCKS, ETC. IS SHOWN FOR REFERENCE PURPOSES. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD.
- ASBESTOS ABATEMENT INDICATED IN THE DRAWING #H-003.00, #H-013.00 WILL BE DONE IN ACCORDANCE WITH 12 NYCRR PART 56 AND SHALL BE PERFORMED BY A NYSDDL LICENSED ASBESTOS CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE ALL LAYERS OF ASBESTOS FLOORING AND MASTIC MATERIALS DOWN TO SUBSTRATE.
- ABATEMENT CONTRACTOR WILL REMOVE ALL VAT FLOORING AND MASTIC UP TO FIXED PERIMETER CASEWORK (e.g. IN SCIENCE ROOMS). ANY ISLAND TEACHER STATIONS WILL BE TEMPORARILY REMOVED (DISCONNECT ANY UTILITIES), ABATED BENEATH AND REINSTALLED BY GC AFTER NEW FLOORING IS INSTALLED. ABATEMENT CONTRACTOR TO REMOVE ANY VAT AND ASSOCIATED MASTIC PROJECTING BENEATH UNIT VENTILATORS.
- ALL ABATEMENT WORK ON DRAWINGS H-001 THROUGH H-009 IS BY GENERAL WORK CONTRACTOR.
- ALL ABATEMENT WORK ON DRAWINGS H-010 THROUGH H-013 IS BY WINDOW WORK CONTRACTOR.

DRAWING	DRAWING NAME
H-001.00	ASBESTOS ABATEMENT GENERAL NOTES
H-002.00	ASBESTOS ABATEMENT PLAN - ACM TABLES
H-003.00	ASBESTOS ABATEMENT PLAN - BASEMENT - AREA A
H-004.00	ASBESTOS ABATEMENT PLAN - BASEMENT - AREA B
H-005.00	ASBESTOS ABATEMENT PLAN - FIRST FLOOR - AREA A
H-006.00	ASBESTOS ABATEMENT PLAN - FIRST FLOOR - AREA B
H-007.00	ASBESTOS ABATEMENT PLAN - FIRST FLOOR - AREA C
H-008.00	ASBESTOS ABATEMENT PLAN - SECOND FLOOR - AREA A
H-009.00	ASBESTOS ABATEMENT PLAN - SECOND FLOOR - AREA B
H-010.00	ASBESTOS ABATEMENT PLAN - SECOND FLOOR - AREA C
H-011.00	ASBESTOS ABATEMENT PLAN - THIRD FLOOR - AREA B
H-012.00	ASBESTOS ABATEMENT PLAN - BASEMENT - AREA B
H-013.00	ASBESTOS ABATEMENT PLAN - FIRST FLOOR - AREA A
H-014.00	ASBESTOS ABATEMENT PLAN - FIRST FLOOR - AREA B
H-015.00	ASBESTOS ABATEMENT PLAN - FIRST FLOOR - AREA C
H-016.00	ASBESTOS ABATEMENT PLAN - SECOND FLOOR - AREA A
H-017.00	ASBESTOS ABATEMENT PLAN - SECOND FLOOR - AREA B
H-018.00	ASBESTOS ABATEMENT PLAN - SECOND FLOOR - AREA C
H-019.00	ASBESTOS ABATEMENT PLAN - THIRD FLOOR - AREA B



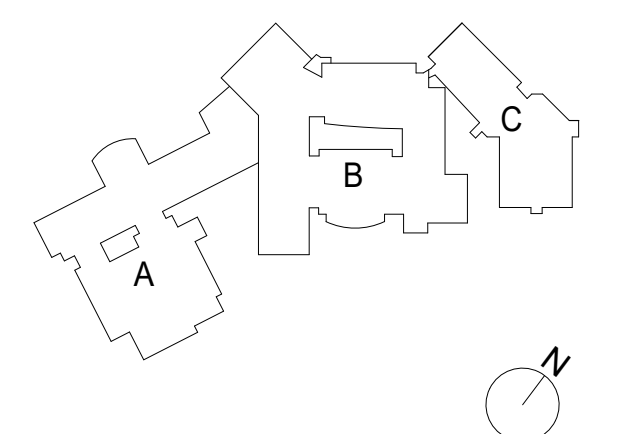
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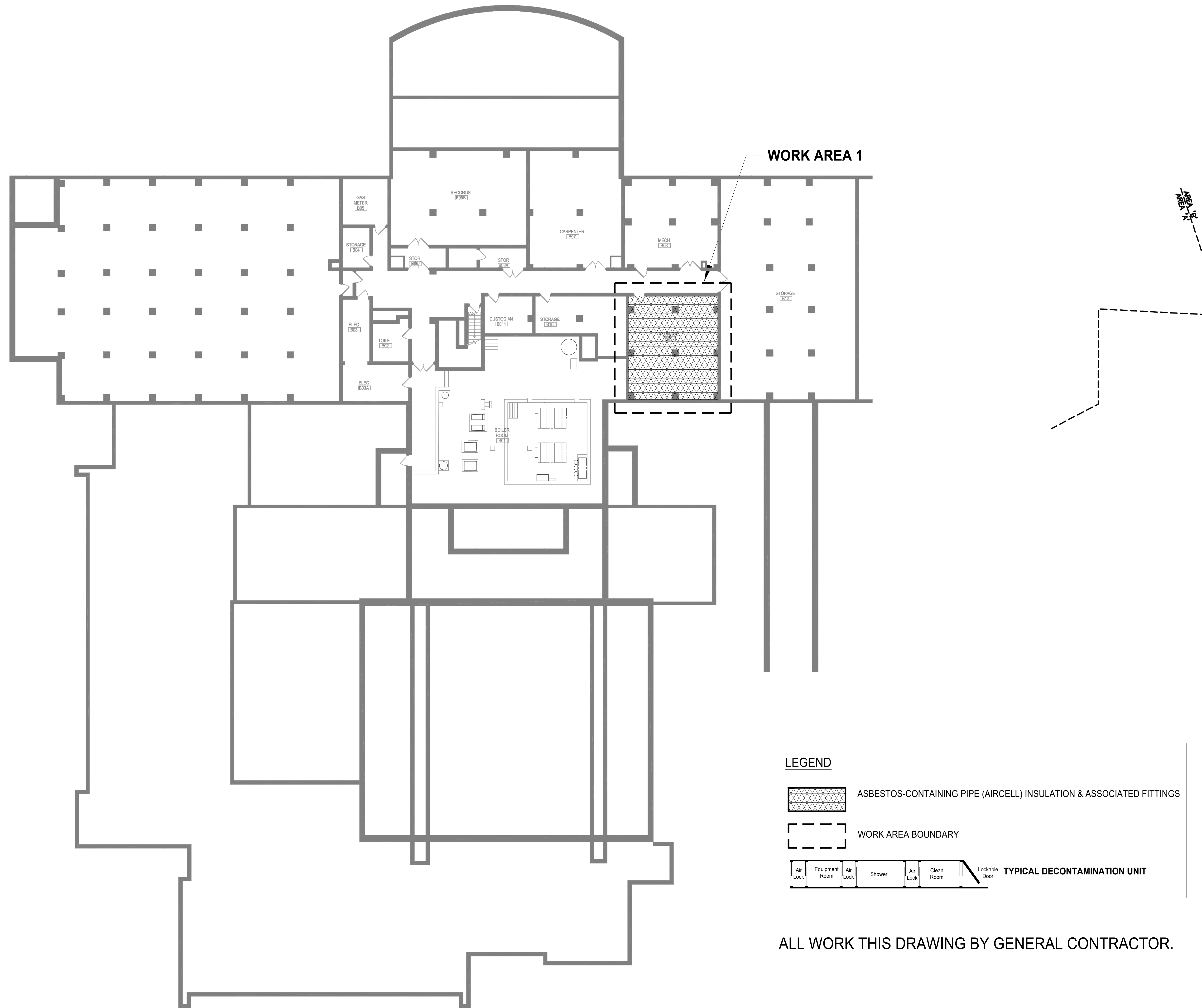
SED PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**ASBESTOS  
ABATEMENT  
GENERAL NOTES**

**H-001.00**







**LEGEND**

ASBESTOS-CONTAINING PIPE (AIRCELL) INSULATION & ASSOCIATED FITTINGS

WORK AREA BOUNDARY

**TYPICAL DECONTAMINATION UNIT**

ALL WORK THIS DRAWING BY GENERAL CONTRACTOR.

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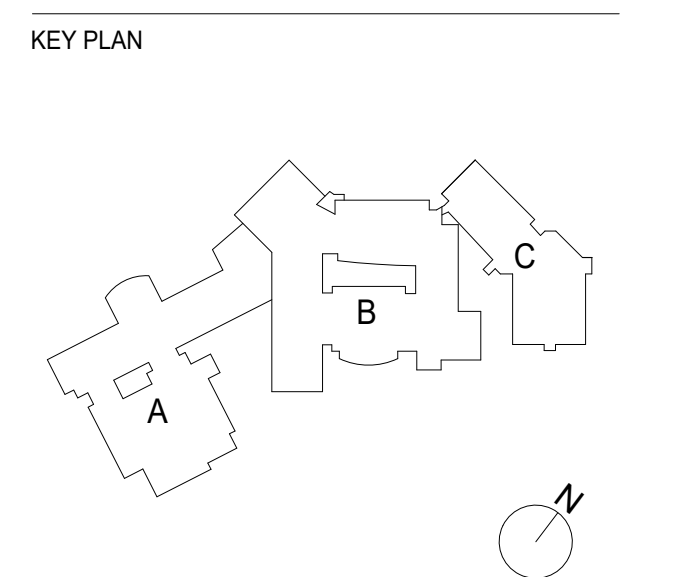
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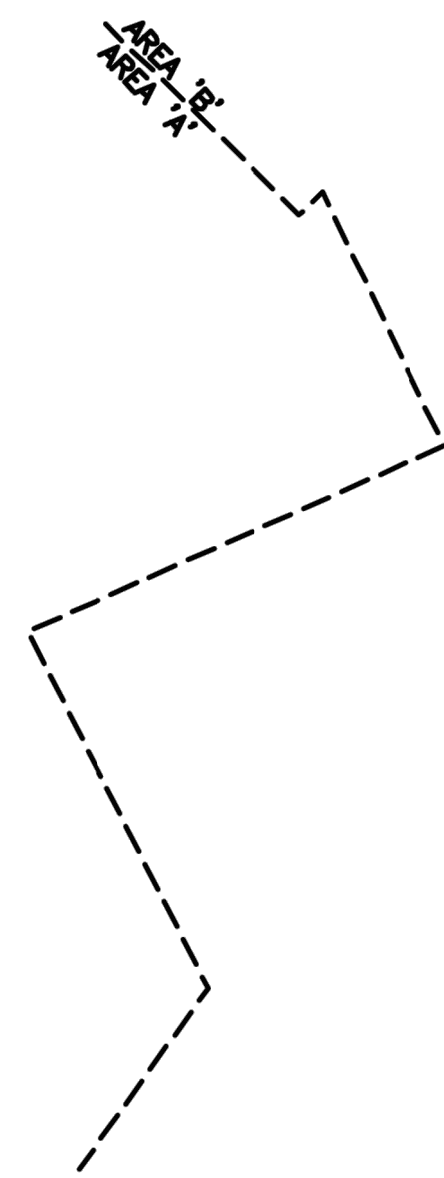
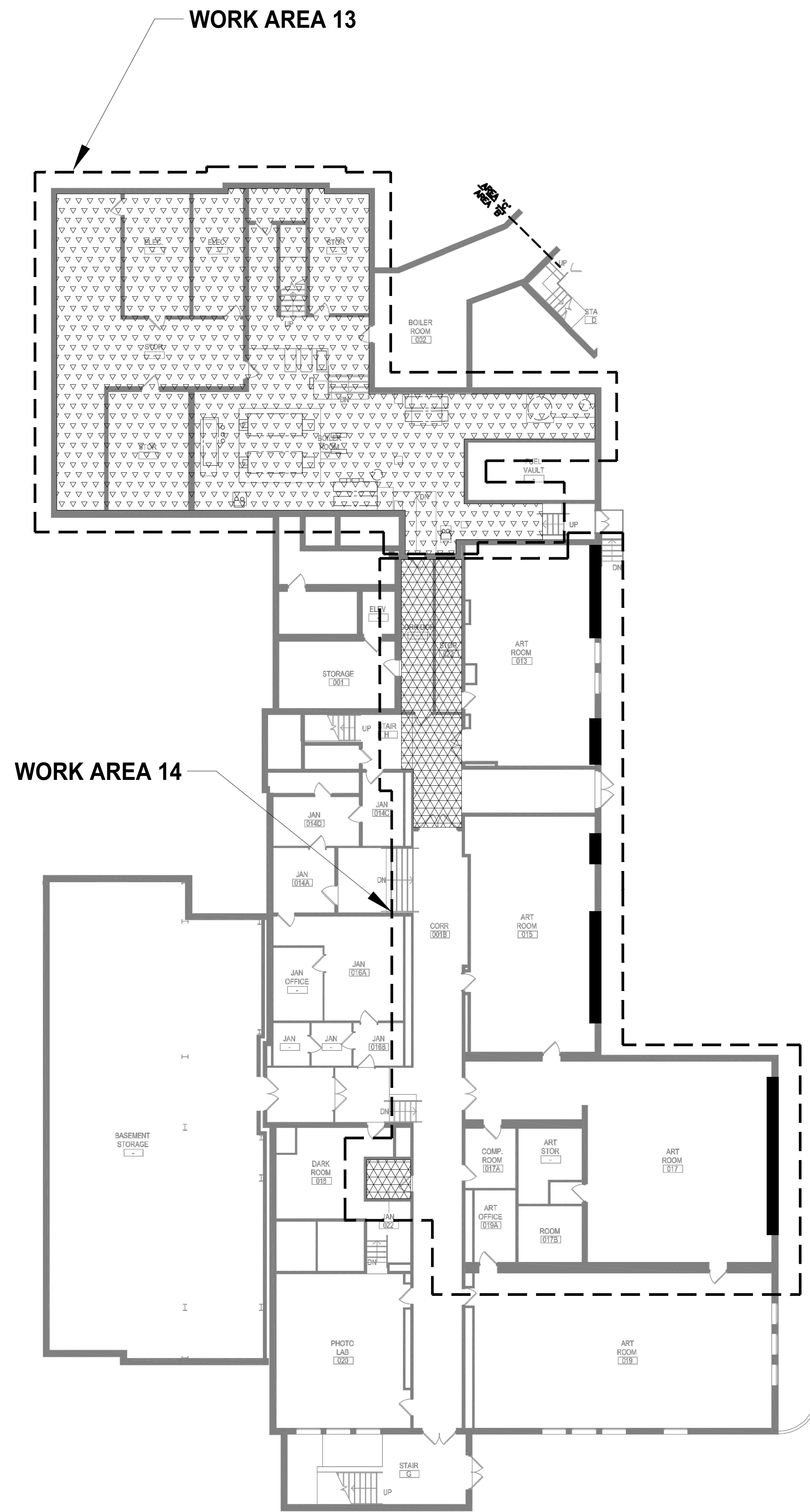


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MEMASI PROJECT NO. 102-2301


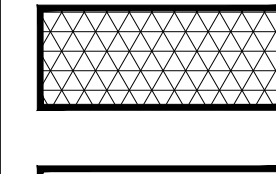
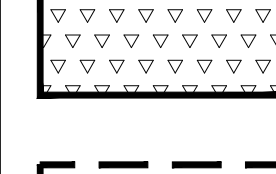

**ASBESTOS ABATEMENT PLAN - BASEMENT - AREA A**

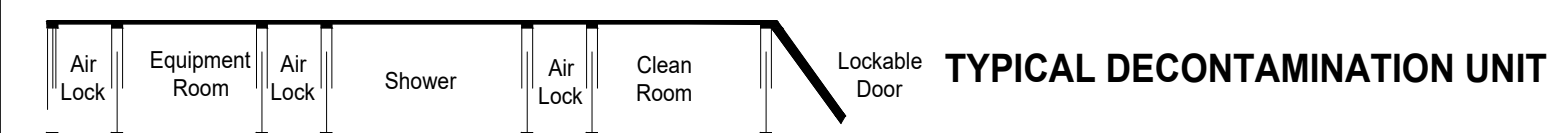
**H-003.00**

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**LEGEND**

-  ASBESTOS-CONTAINING 9"X9" FLOOR TILES & ASSOCIATED MASTIC (MULTIPLE LAYERS) & PIPE (AIRCELL) INSULATION & ASSOCIATED FITTINGS (INSIDE RADIATOR COVERS)
-  ASBESTOS-CONTAINING PIPE (AIRCELL) INSULATION & ASSOCIATED FITTINGS
-  ASBESTOS-CONTAINING FLANGE GASKET & PIPE (AIRCELL) INSULATION & ASSOCIATED FITTINGS
-  WORK AREA BOUNDARY



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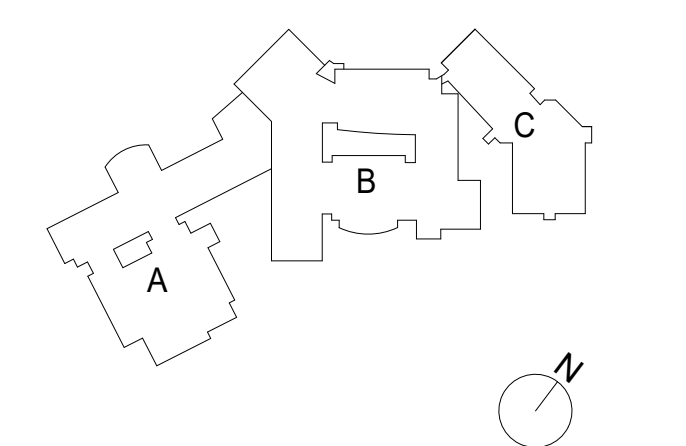
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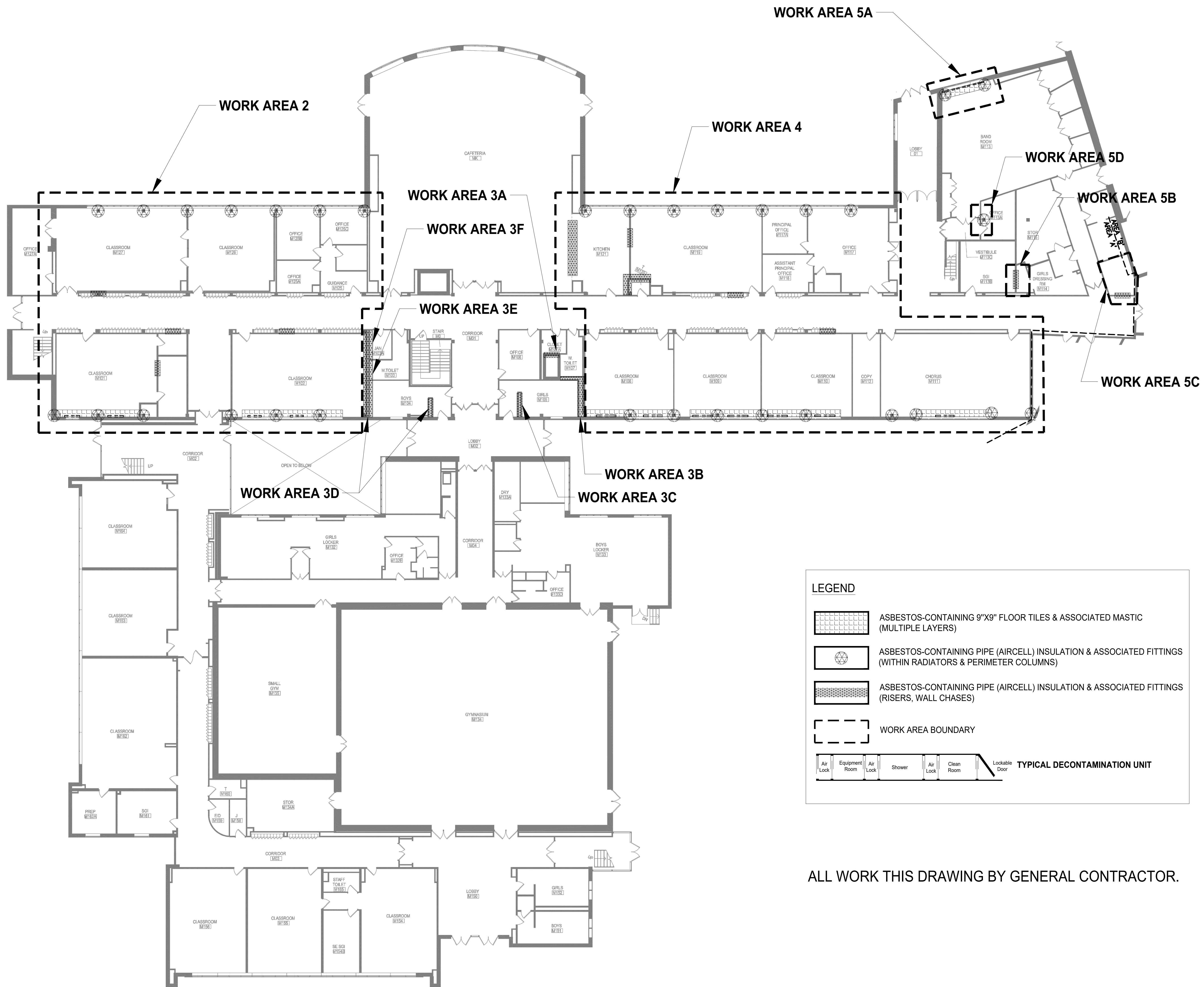


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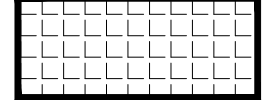

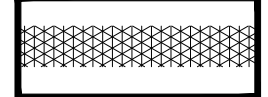

**ASBESTOS  
ABATEMENT PLAN -  
BASEMENT - AREA B**

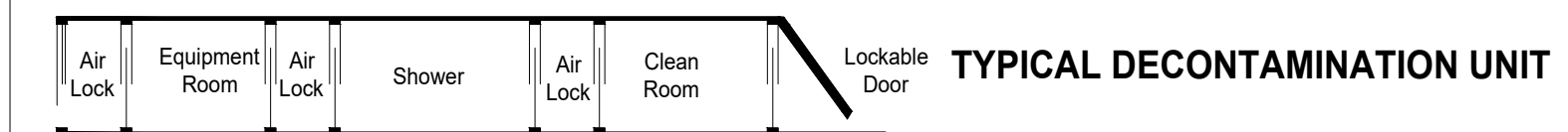
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**LEGEND**

-  ASBESTOS-CONTAINING 9"X9" FLOOR TILES & ASSOCIATED MASTIC (MULTIPLE LAYERS)
-  ASBESTOS-CONTAINING PIPE (AIRCELL) INSULATION & ASSOCIATED FITTINGS (WITHIN RADIATORS & PERIMETER COLUMNS)
-  ASBESTOS-CONTAINING PIPE (AIRCELL) INSULATION & ASSOCIATED FITTINGS (RISERS, WALL CHASES)
-  WORK AREA BOUNDARY



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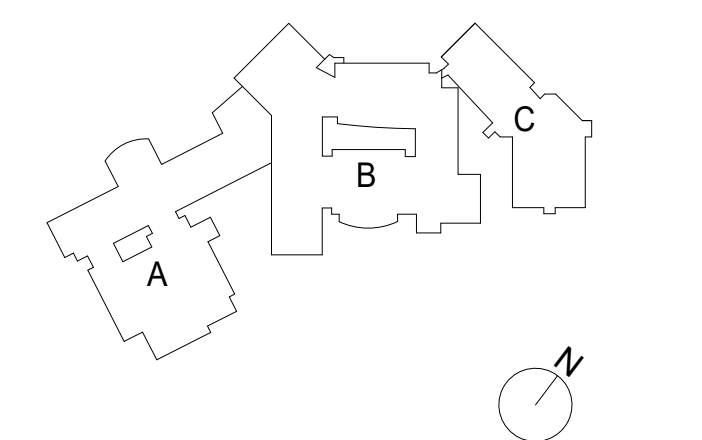
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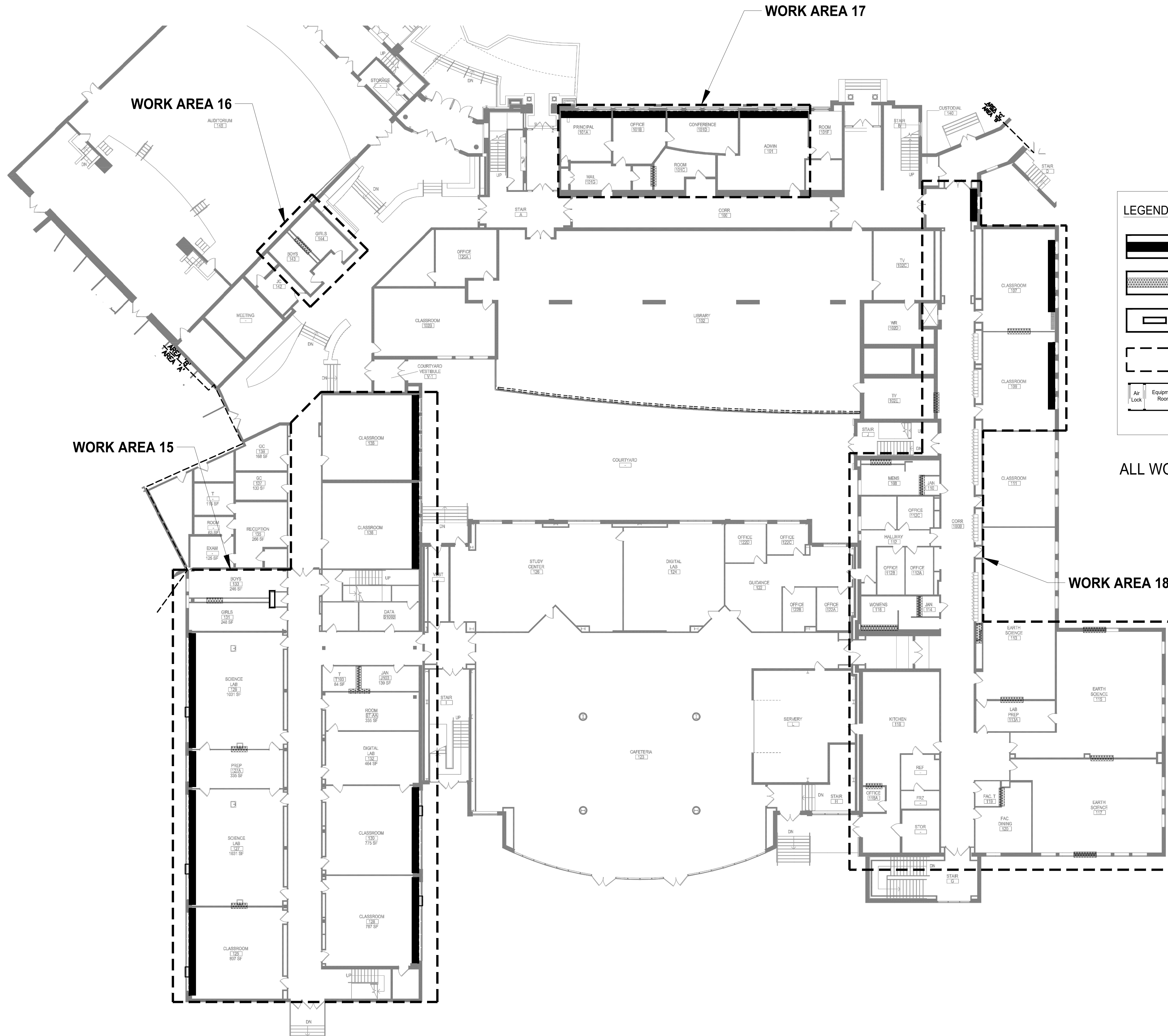
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MEMASI PROJECT NO. 102-2301

**ASBESTOS ABATEMENT PLAN - FIRST FLOOR - AREA A**

**H-005.00**



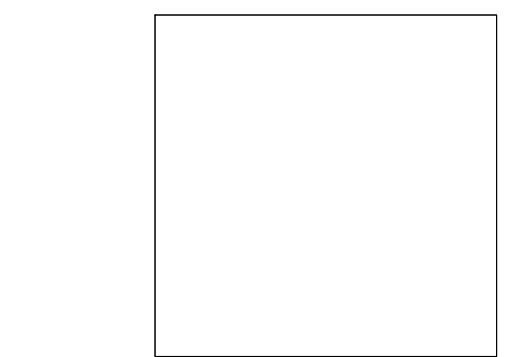
**LEGEND**

- ASBESTOS-CONTAINING 9"X9" FLOOR TILES & ASSOCIATED MASTIC (MULTIPLE LAYERS) & PIPE (AIRCELL) INSULATION & ASSOCIATED FITTINGS (INSIDE RADIATOR COVERS)
- ASBESTOS-CONTAINING PIPE (AIRCELL) INSULATION & ASSOCIATED FITTINGS (RISERS, WALL CHASES)
- ASBESTOS-CONTAINING ELECTRICAL PANEL BACKING
- WORK AREA BOUNDARY

**TYPICAL DECONTAMINATION UNIT**

- Air Lock
- Equipment Room
- Shower
- Air Lock
- Clean Room
- Lockable Door

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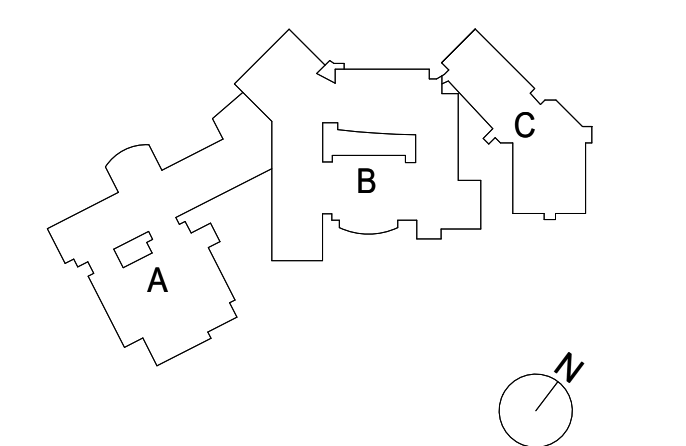
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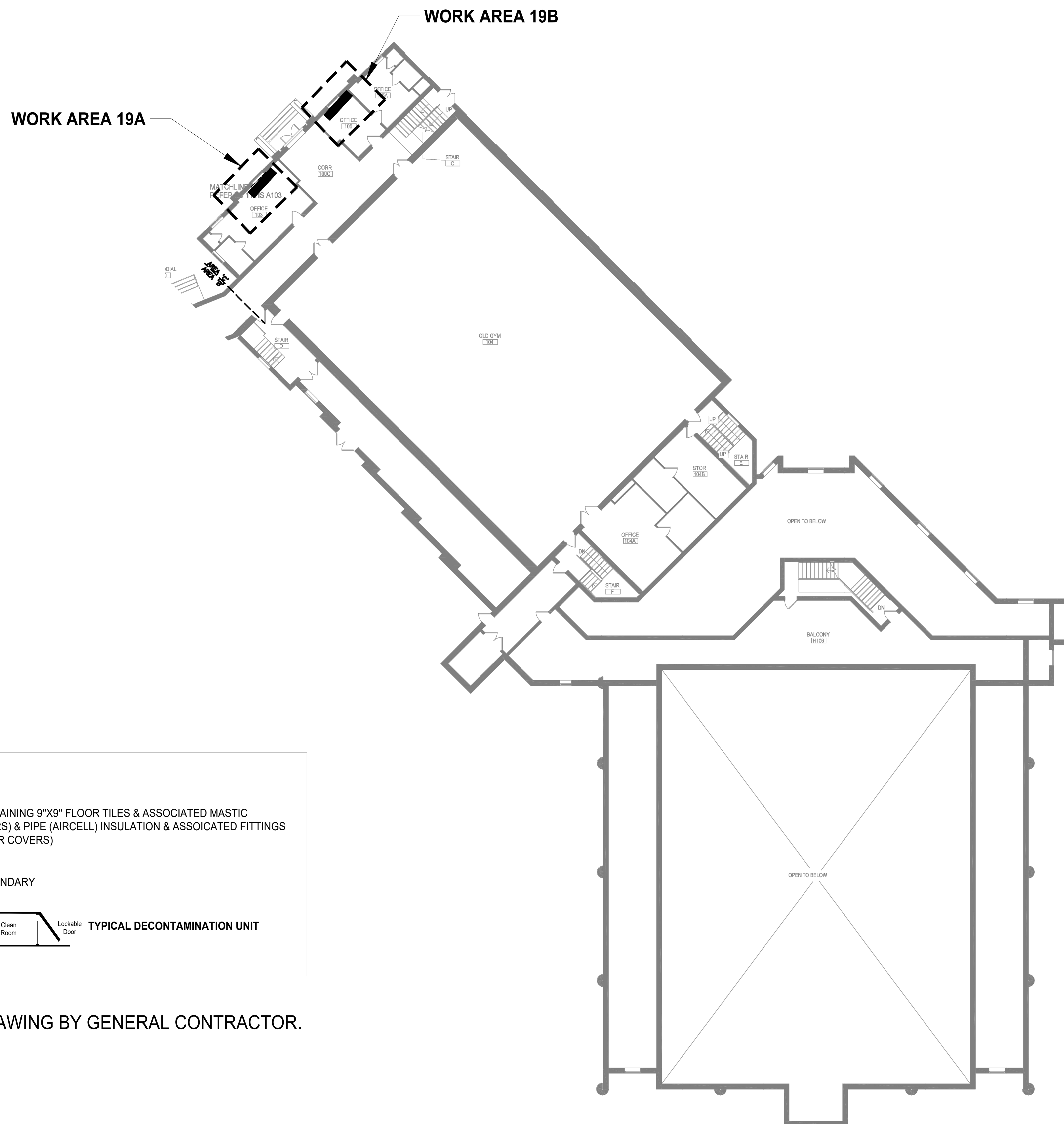


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MEMASI PROJECT NO. 102-2301

**ASBESTOS  
ABATEMENT PLAN -  
FIRST FLOOR - AREA  
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**H-006.00**

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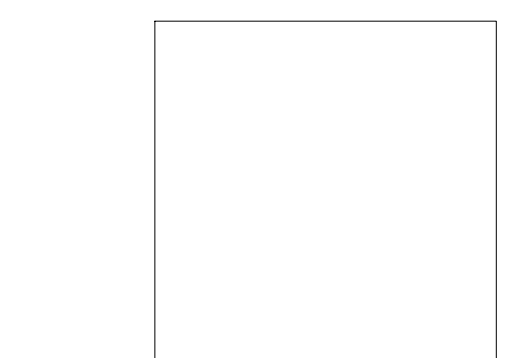
**LEGEND**

ASBESTOS-CONTAINING 9"X9" FLOOR TILES & ASSOCIATED MASTIC (MULTIPLE LAYERS) & PIPE (AIRCELL) INSULATION & ASSOCIATED FITTINGS (INSIDE RADIATOR COVERS)

WORK AREA BOUNDARY

TYPICAL DECONTAMINATION UNIT

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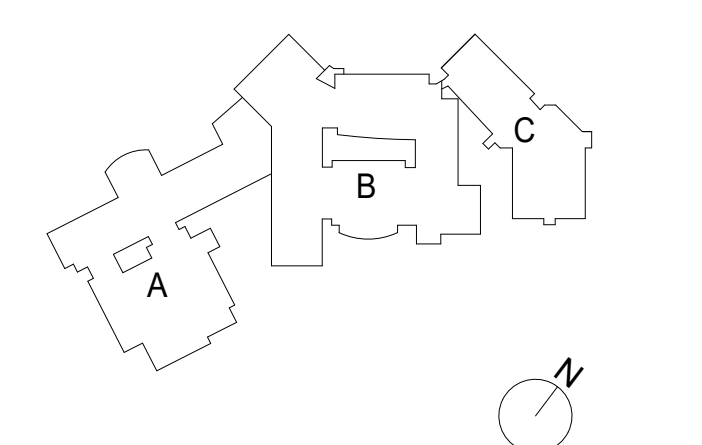
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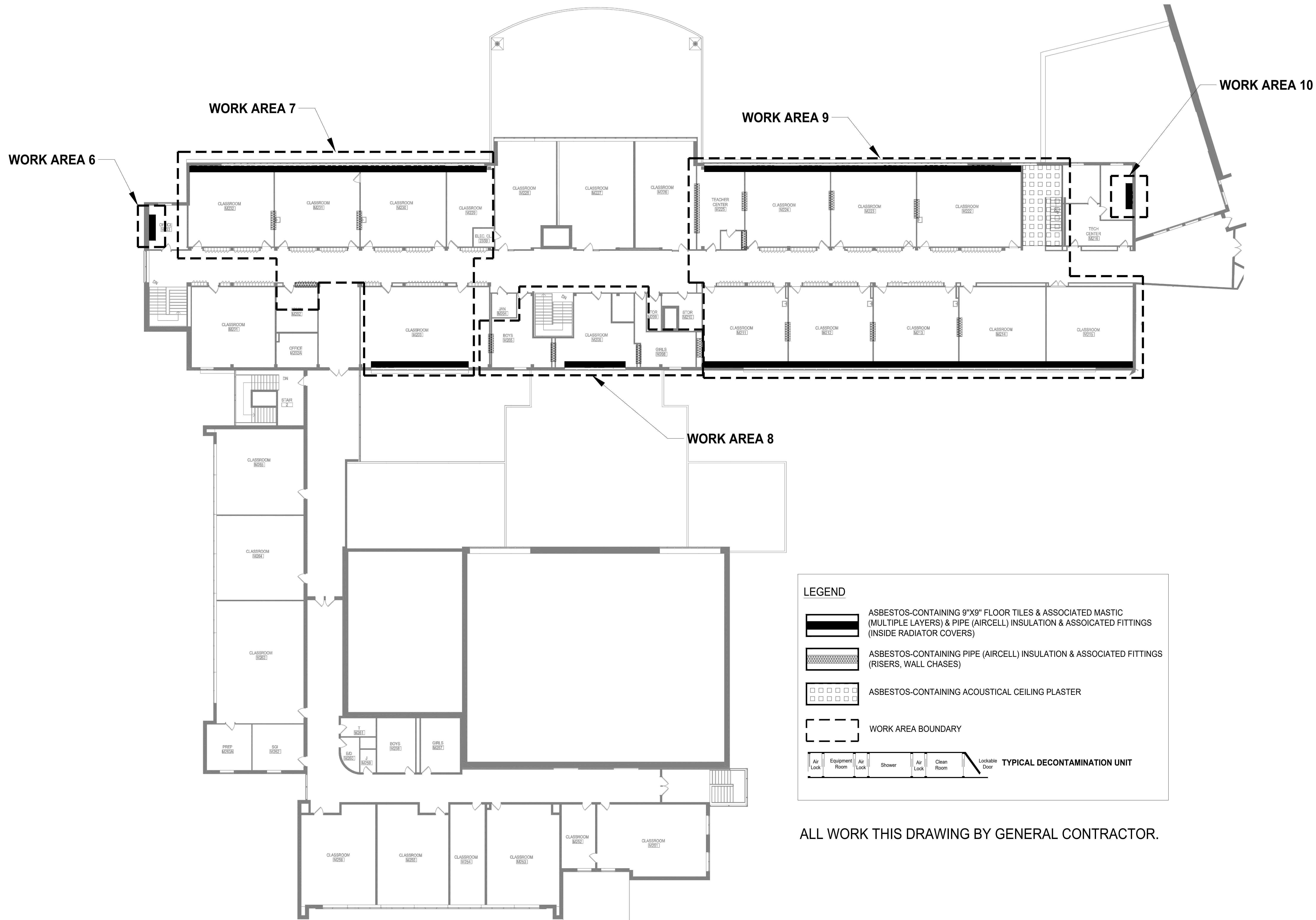


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MEMASI PROJECT NO. 102-2301

**ASBESTOS  
ABATEMENT PLAN -  
FIRST FLOOR - AREA  
C**

**H-007.00**

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**LEGEND**

- ASBESTOS-CONTAINING 9"X9" FLOOR TILES & ASSOCIATED MASTIC (MULTIPLE LAYERS) & PIPE (AIRCELL) INSULATION & ASSOCIATED FITTINGS (INSIDE RADIATOR COVERS)
- ASBESTOS-CONTAINING PIPE (AIRCELL) INSULATION & ASSOCIATED FITTINGS (RISERS, WALL CHASES)
- ASBESTOS-CONTAINING ACOUSTICAL CEILING PLASTER
- WORK AREA BOUNDARY

**TYPICAL DECONTAMINATION UNIT**

ALL WORK THIS DRAWING BY GENERAL CONTRACTOR.

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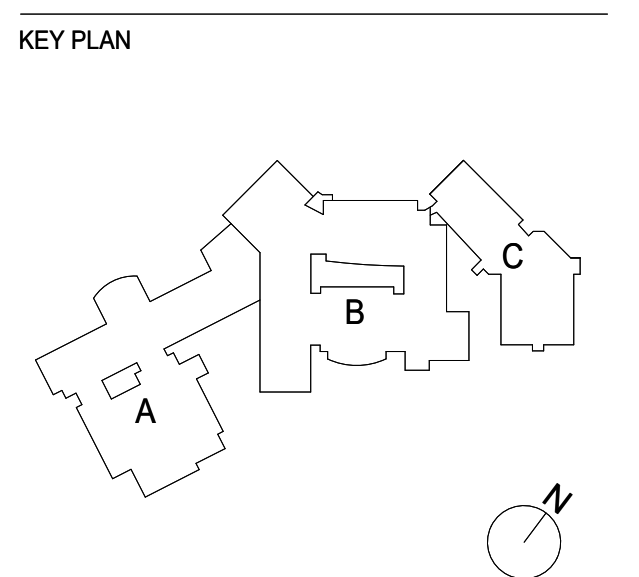
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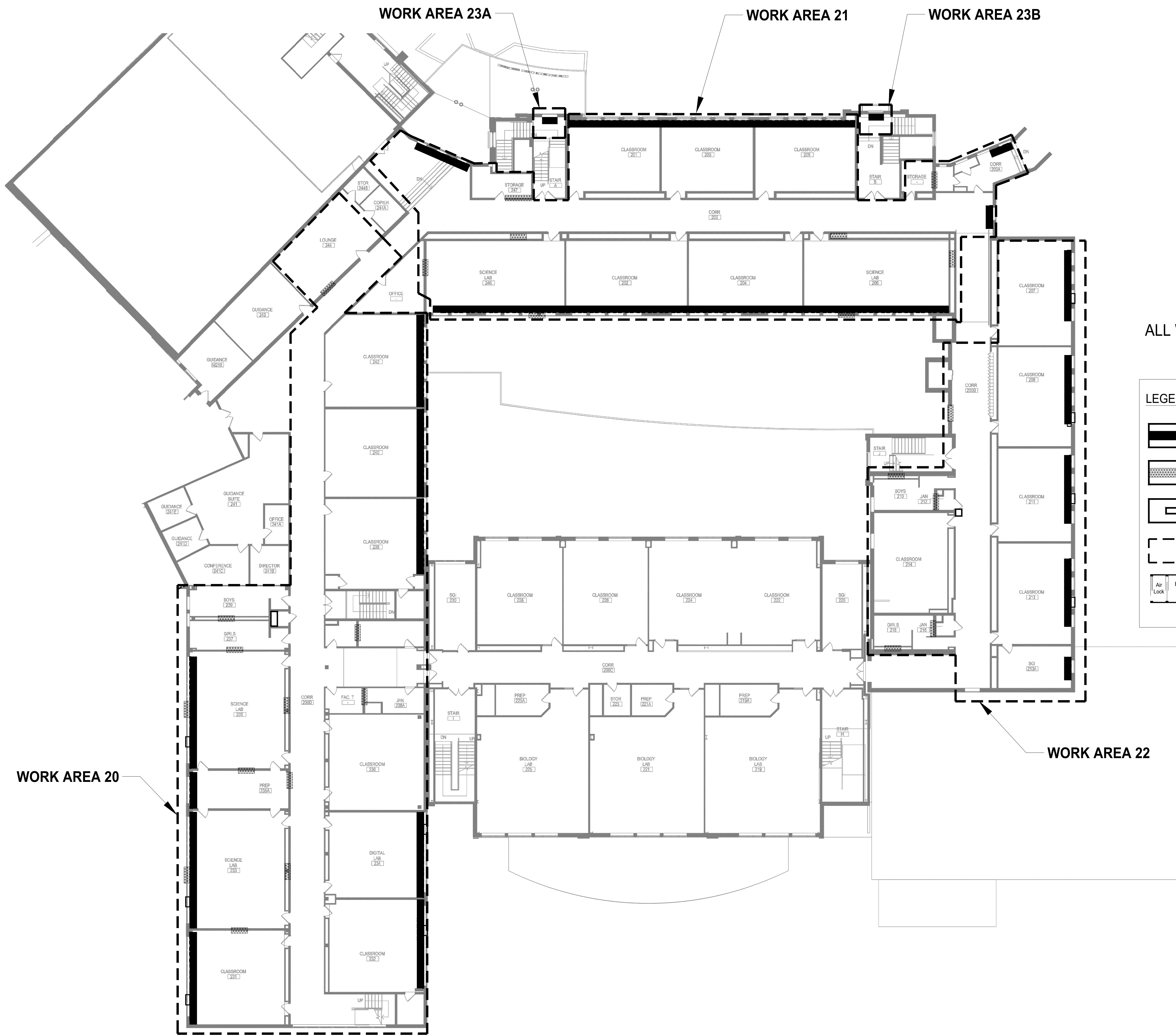
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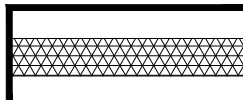

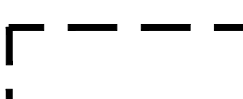
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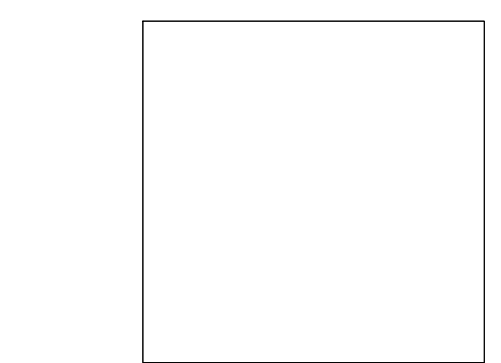
ALL WORK THIS DRAWING BY GENERAL CONTRACTOR.

**LEGEND**

-  ASBESTOS-CONTAINING 9"X9" FLOOR TILES & ASSOCIATED MASTIC (MULTIPLE LAYERS) & PIPE (AIRCELL) INSULATION & ASSOCIATED FITTINGS (INSIDE RADIATOR COVERS)
-  ASBESTOS-CONTAINING PIPE (AIRCELL) INSULATION & ASSOCIATED FITTINGS (RISERS, WALL CHASES)
-  ASBESTOS-CONTAINING ELECTRICAL PANEL BACKING
-  WORK AREA BOUNDARY

**TYPICAL DECONTAMINATION UNIT**

Air Lock	Equipment Room	Air Lock	Shower	Air Lock	Clean Room	Lockable Door
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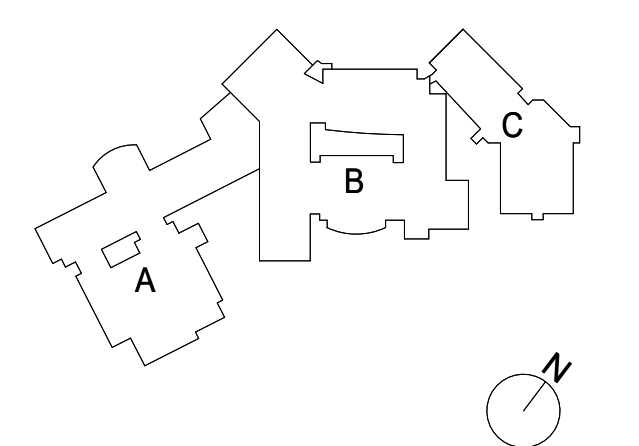
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KEY PLAN



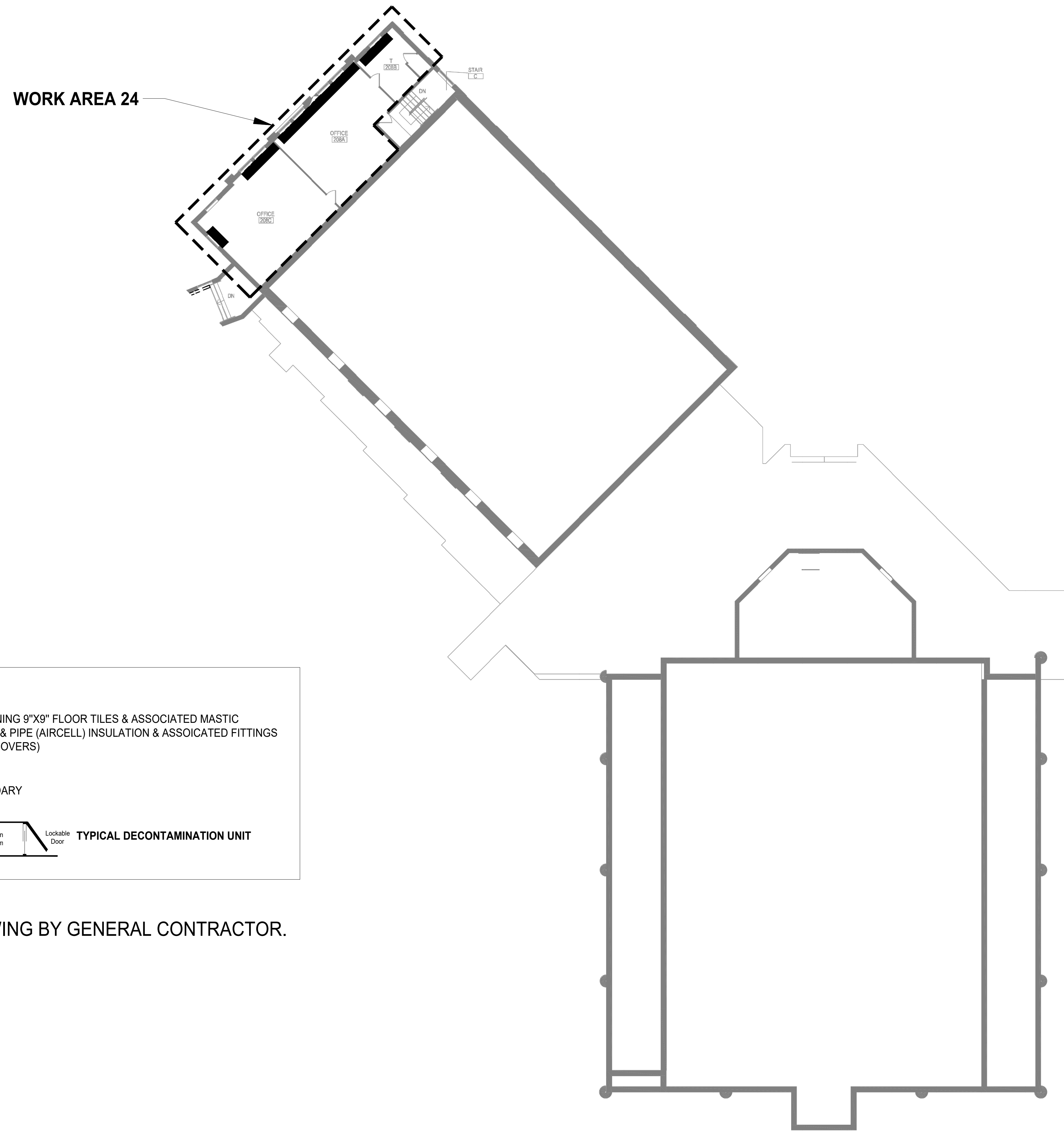
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MEMASI PROJECT NO. 102-2301

**ASBESTOS ABATEMENT PLAN - SECOND FLOOR - AREA B**

**H-009.00**

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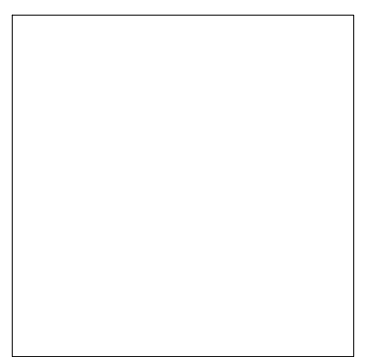
**LEGEND**

ASBESTOS-CONTAINING 9"X9" FLOOR TILES & ASSOCIATED MASTIC (MULTIPLE LAYERS) & PIPE (AIRCELL) INSULATION & ASSOICATED FITTINGS (INSIDE RADIATOR COVERS)

WORK AREA BOUNDARY

TYPICAL DECONTAMINATION UNIT

ALL WORK THIS DRAWING BY GENERAL CONTRACTOR.



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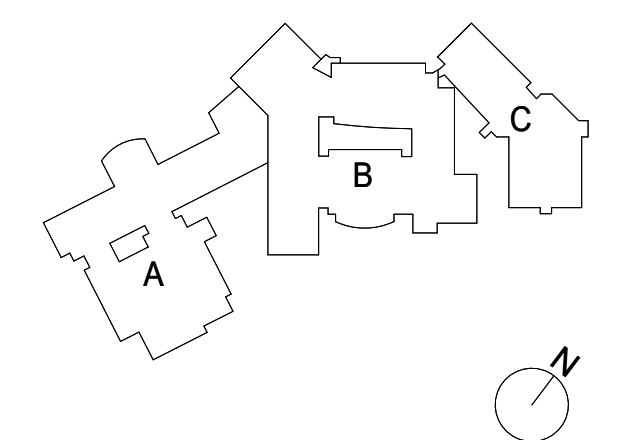
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BID SET \_\_\_\_\_ 12/18/2023

ISSUE \_\_\_\_\_ DATE

KEY PLAN



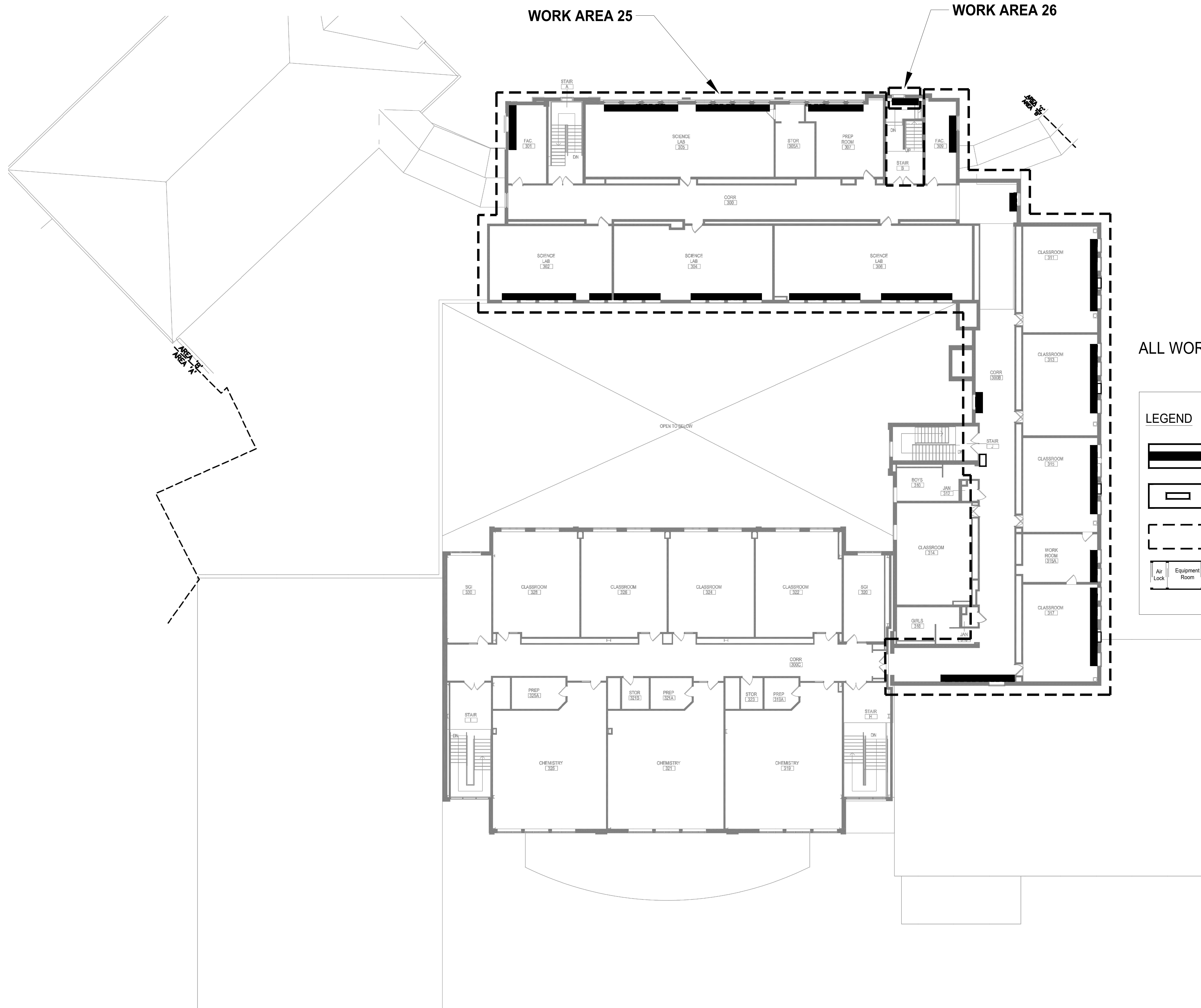
SED PROJECT NO. 66-03-01-03-0-003-031

MEMASI PROJECT NO. 102-2301

**ASBESTOS  
ABATEMENT PLAN -  
SECOND FLOOR -  
AREA C**

**H-010.00**

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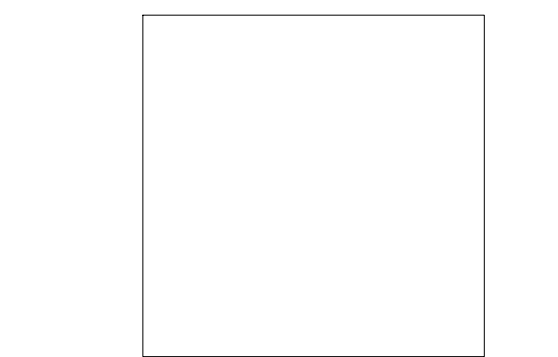


ALL WORK THIS DRAWING BY GENERAL CONTRACTOR.

**LEGEND**

- ASBESTOS-CONTAINING 9"X9" FLOOR TILES & ASSOCIATED MASTIC (MULTIPLE LAYERS) & PIPE (AIRCELL) INSULATION & ASSOCIATED FITTINGS (INSIDE RADIATOR COVERS)
- ASBESTOS-CONTAINING ELECTRICAL PANEL BACKING
- WORK AREA BOUNDARY

**TYPICAL DECONTAMINATION UNIT**



IT IS A VIOLATION OF NEW YORK STATE LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY. IF A DOCUMENT BEARING THE SEAL OF A REGISTERED ARCHITECT/PROFESSIONAL ENGINEER IS ALTERED, THE ALTERING PARTY SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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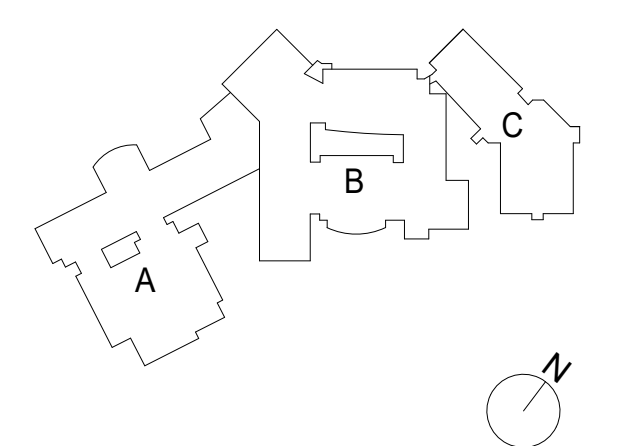
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BID SET 12/18/2023  
ISSUE DATE

KEY PLAN



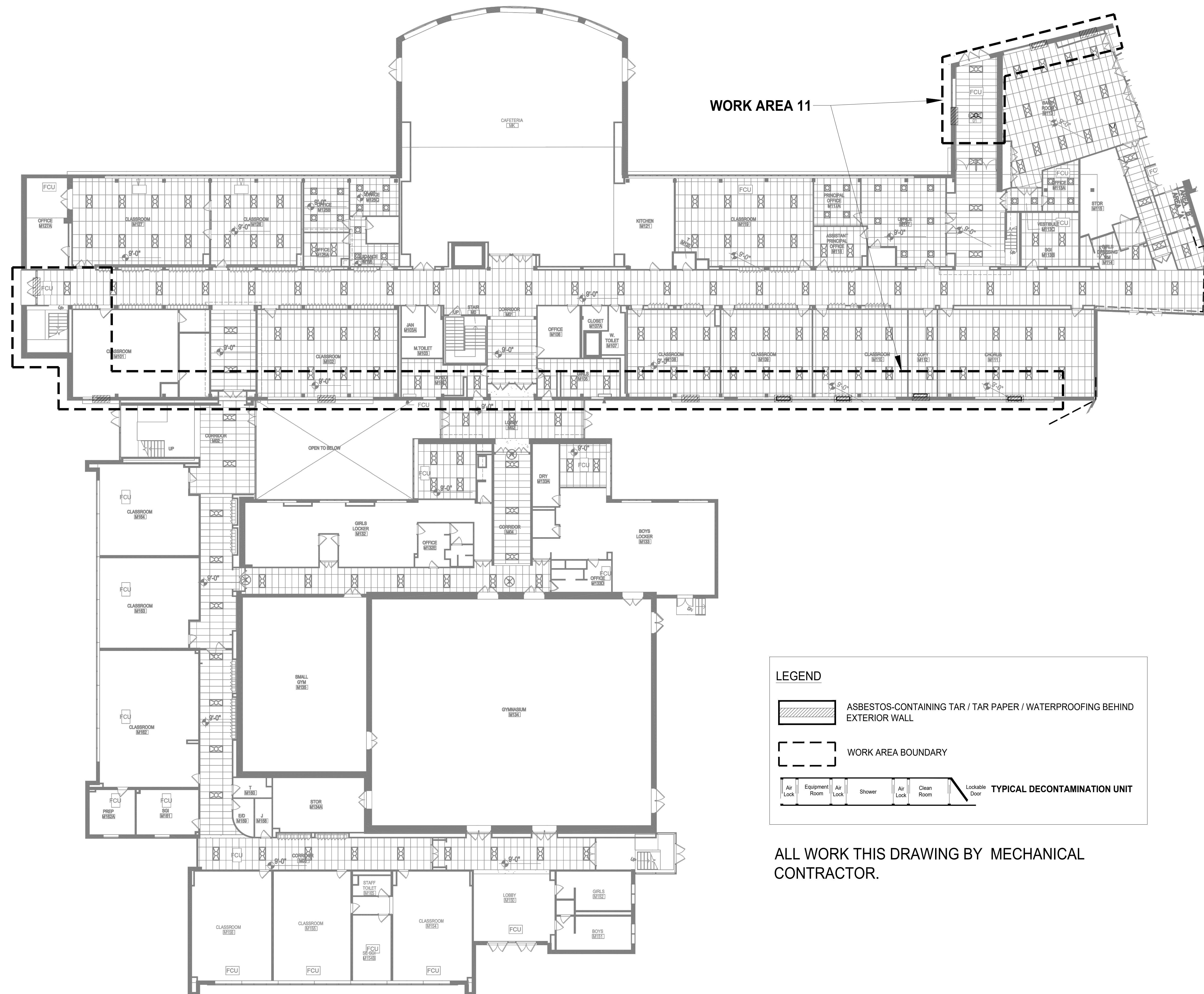
SED PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**ASBESTOS  
ABATEMENT PLAN -  
SECOND FLOOR -  
AREA B**

**H-011.00**

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**LEGEND**

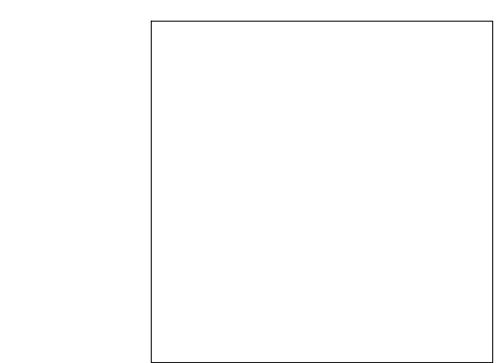
ASBESTOS-CONTAINING TAR / TAR PAPER / WATERPROOFING BEHIND EXTERIOR WALL

WORK AREA BOUNDARY

TYPICAL DECONTAMINATION UNIT

Typical decontamination unit components: Air Lock, Equipment Room, Air Lock, Shower, Air Lock, Clean Room, Lockable Door.

ALL WORK THIS DRAWING BY MECHANICAL CONTRACTOR.



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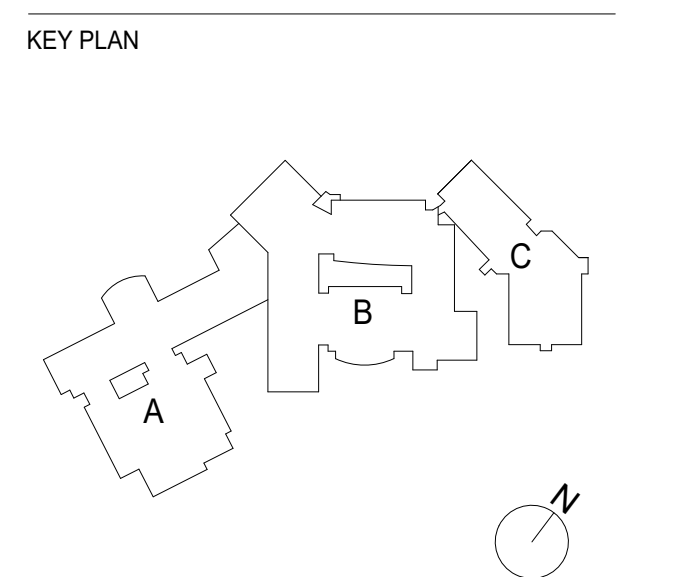
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BID SET \_\_\_\_\_ 12/18/2023

ISSUE \_\_\_\_\_ DATE



SED PROJECT NO. 66-03-01-03-0-003-031

MEMASI PROJECT NO. 102-2301

**ASBESTOS  
ABATEMENT PLAN -  
FIRST FLOOR - AREA  
A**

**H-013.00**



**WORK AREA 27**

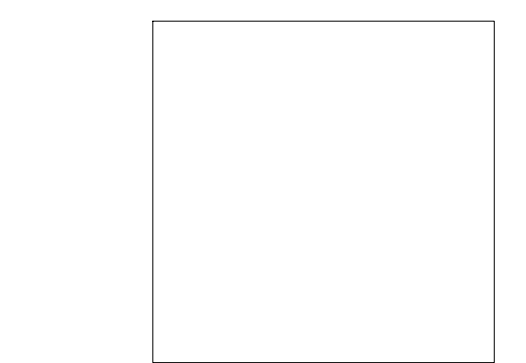
ALL WORK THIS DRAWING BY MECHANICAL CONTRACTOR.

**LEGEND**

ASBESTOS-CONTAINING TAR / TAR PAPER / WATERPROOFING BEHIND EXTERIOR WALL

WORK AREA BOUNDARY

TYPICAL DECONTAMINATION UNIT



IT IS A VIOLATION OF NEW YORK STATE LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY. IF A DOCUMENT BEARING THE SEAL OF A REGISTERED ARCHITECT/PROFESSIONAL ENGINEER IS ALTERED, THE ALTERING PARTY SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION ALTERED BY FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SEAL

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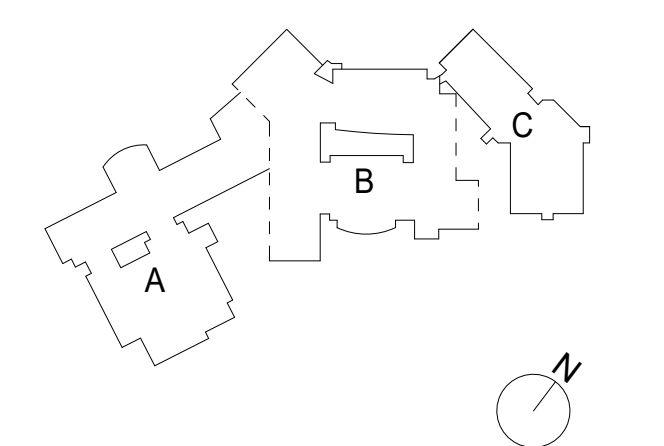
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BID SET 12/18/2023  
ISSUE DATE

KEY PLAN

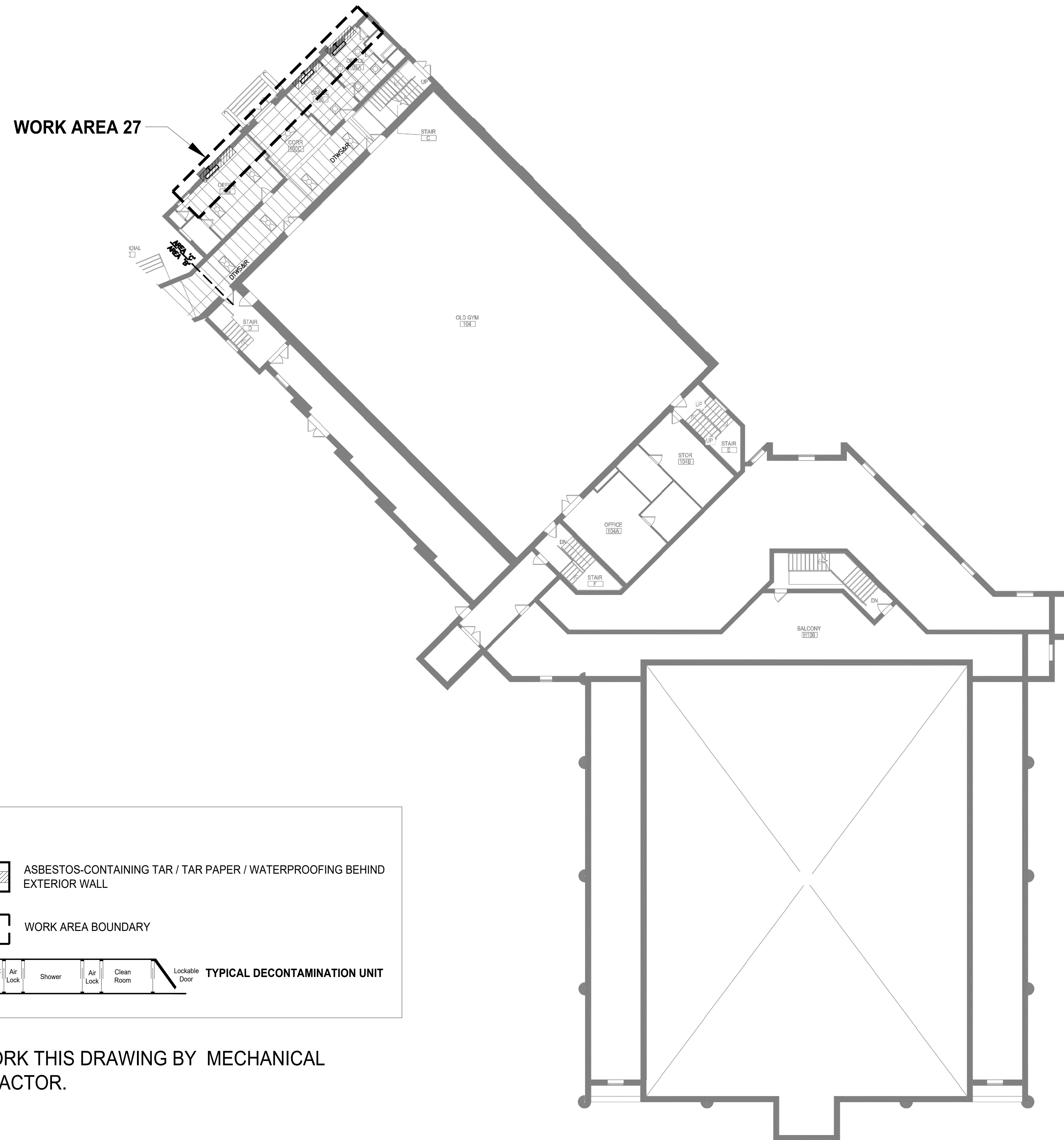


SED PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**ASBESTOS ABATEMENT PLAN - FIRST FLOOR - AREA B**

**H-014.00**

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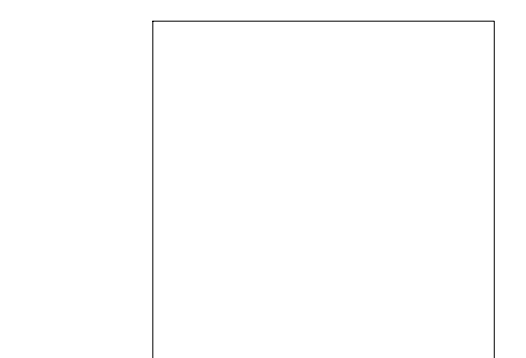
**LEGEND**

ASBESTOS-CONTAINING TAR / TAR PAPER / WATERPROOFING BEHIND EXTERIOR WALL

WORK AREA BOUNDARY

**TYPICAL DECONTAMINATION UNIT**  
Air Lock | Equipment Room | Air Lock | Shower | Air Lock | Clean Room | Lockable Door

ALL WORK THIS DRAWING BY MECHANICAL CONTRACTOR.



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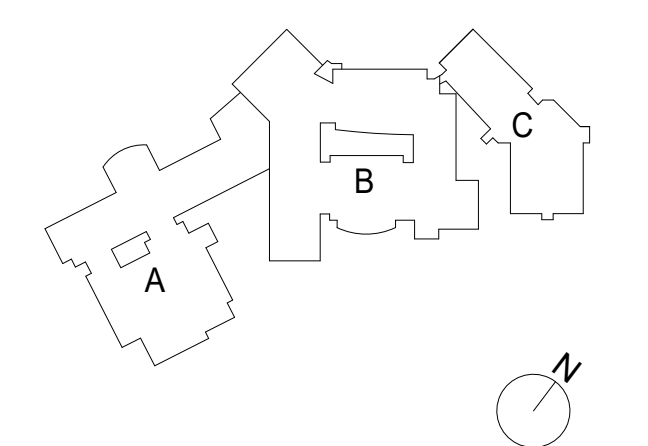
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BID SET 12/18/2023  
ISSUE DATE

KEY PLAN



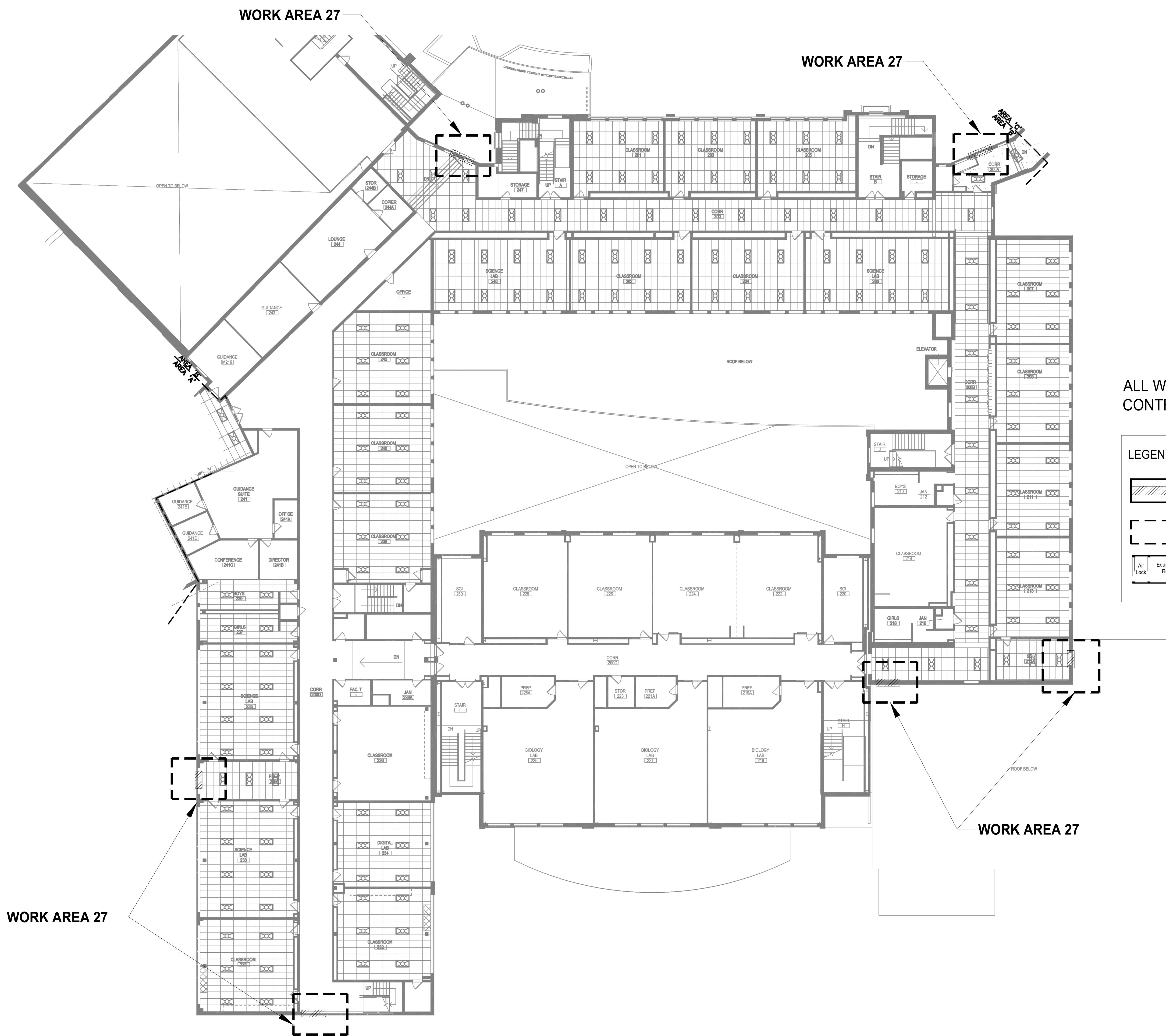
SED PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**ASBESTOS  
ABATEMENT PLAN -  
FIRST FLOOR - AREA  
C**

**H-015.00**

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ALL WORK THIS DRAWING BY MECHANICAL CONTRACTOR.

**LEGEND**

- ASBESTOS-CONTAINING TAR / TAR PAPER / WATERPROOFING BEHIND EXTERIOR WALL
- WORK AREA BOUNDARY

**TYPICAL DECONTAMINATION UNIT**

Air Lock	Equipment Room	Air Lock	Shower	Air Lock	Clean Room	Lockable Door
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IT IS A VIOLATION OF NEW YORK STATE LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY. IF A DOCUMENT BEARING THE SEAL OF A REGISTERED ARCHITECT, PROFESSIONAL ENGINEER IS ALTERED, THE ALTERING PARTY SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION ALTERED BY FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SEAL

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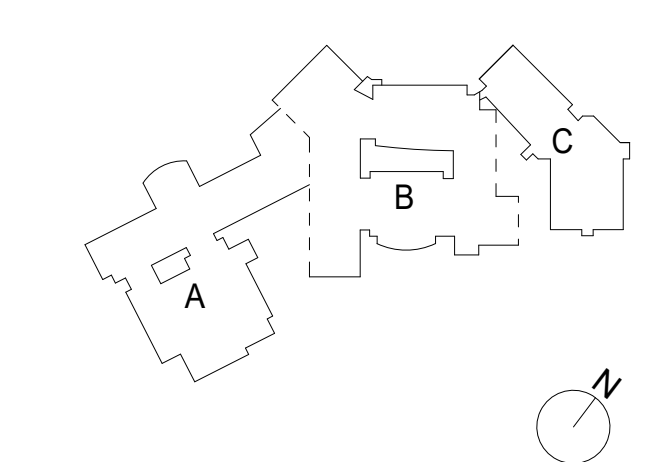
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BID SET 12/18/2023  
ISSUE DATE

KEY PLAN



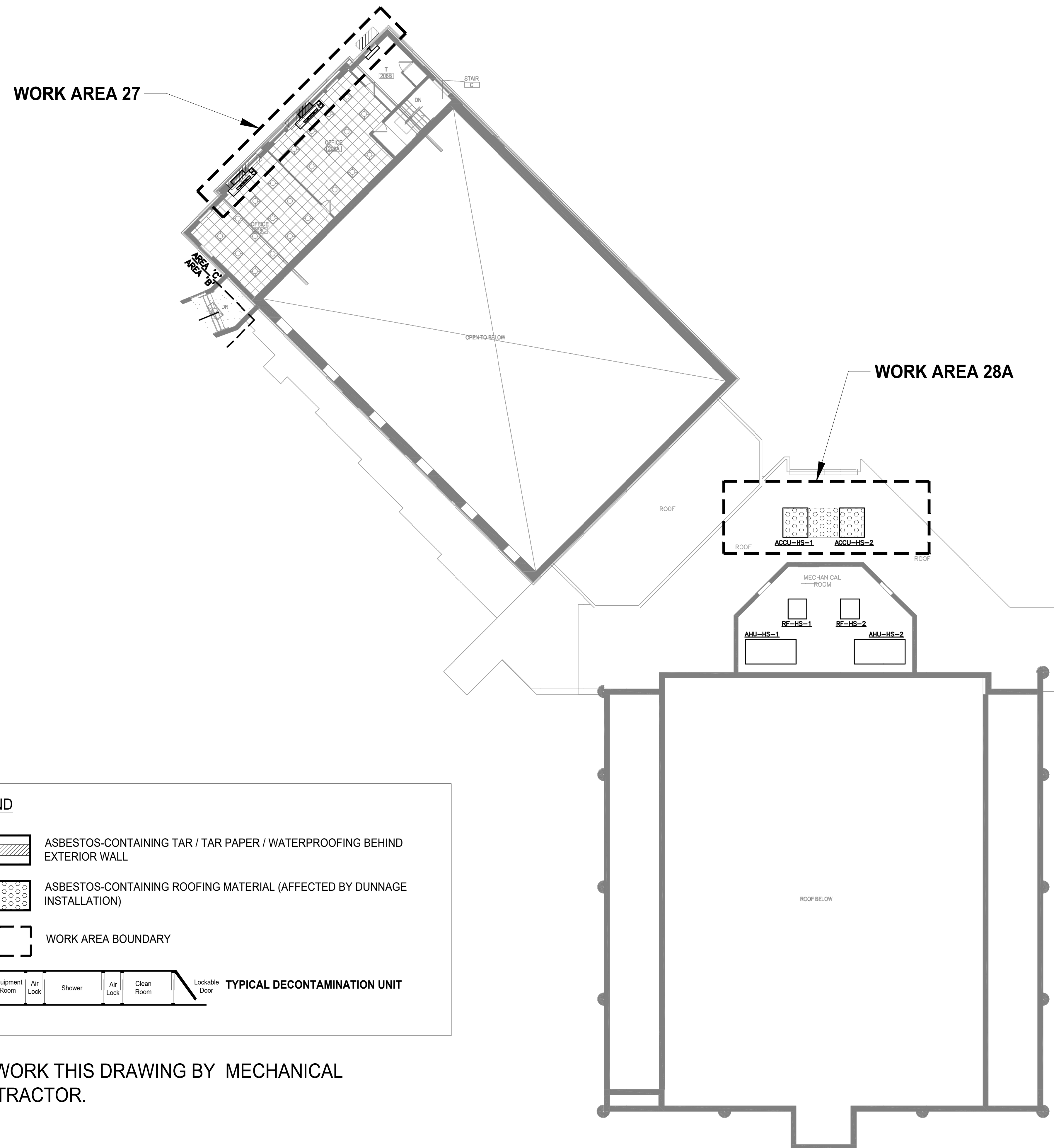
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MEMASI PROJECT NO. 102-2301

**ASBESTOS ABATEMENT PLAN - SECOND FLOOR - AREA B**

**H-017.00**

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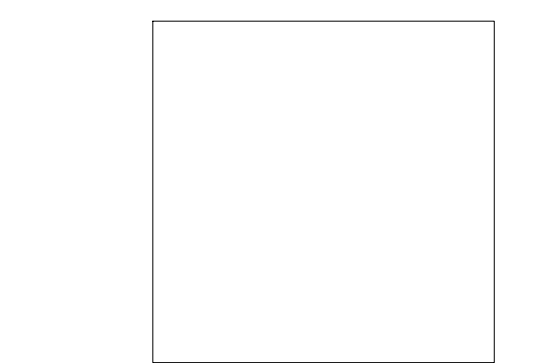
**LEGEND**

- ASBESTOS-CONTAINING TAR / TAR PAPER / WATERPROOFING BEHIND EXTERIOR WALL
- ASBESTOS-CONTAINING ROOFING MATERIAL (AFFECTED BY DUNNAGE INSTALLATION)
- WORK AREA BOUNDARY

**TYPICAL DECONTAMINATION UNIT**

Air Lock | Equipment Room | Air Lock | Shower | Air Lock | Clean Room | Lockable Door

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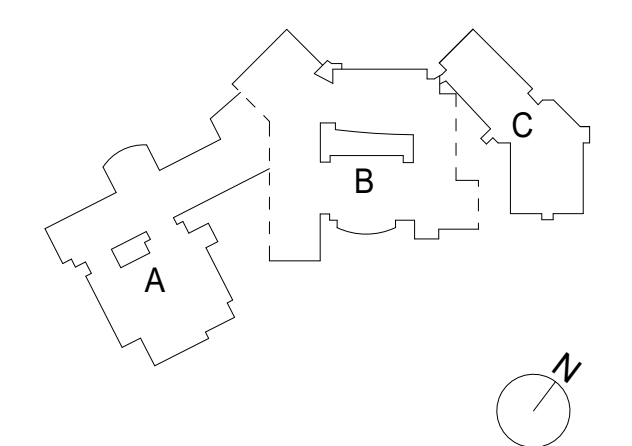
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BID SET 12/18/2023  
ISSUE DATE

KEY PLAN

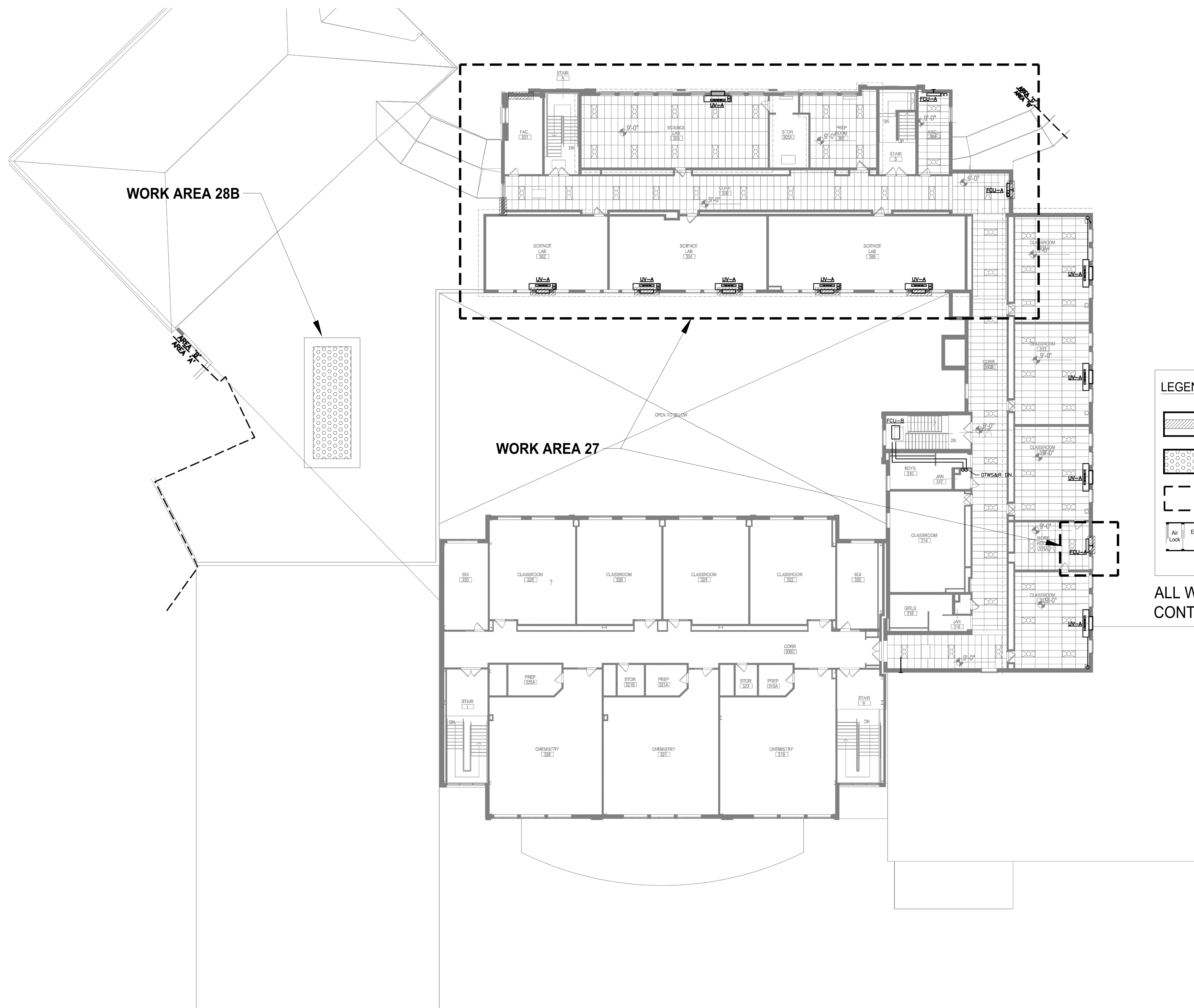


SED PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**ASBESTOS  
ABATEMENT PLAN -  
SECOND FLOOR -  
AREA C**

**H-018.00**

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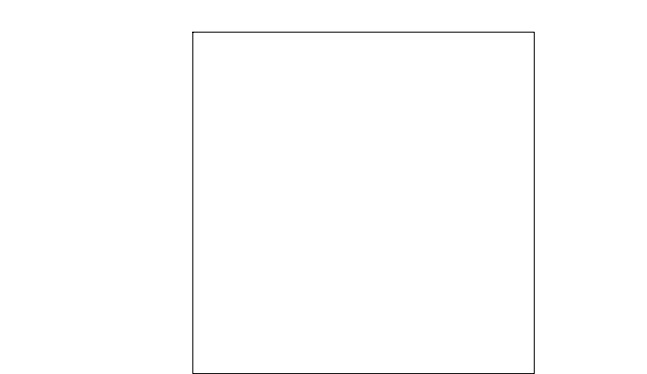
**LEGEND**

- ASBESTOS-CONTAINING TAR / TAR PAPER / WATERPROOFING BEHIND EXTERIOR WALL
- ASBESTOS-CONTAINING ROOFING MATERIAL (AFFECTED BY DUNNAGE INSTALLATION)
- WORK AREA BOUNDARY

**TYPICAL DECONTAMINATION UNIT**

Air Lock	Equipment Room	Air Lock	Shower	Air Lock	Clean Room	Lockable Door
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SEAL

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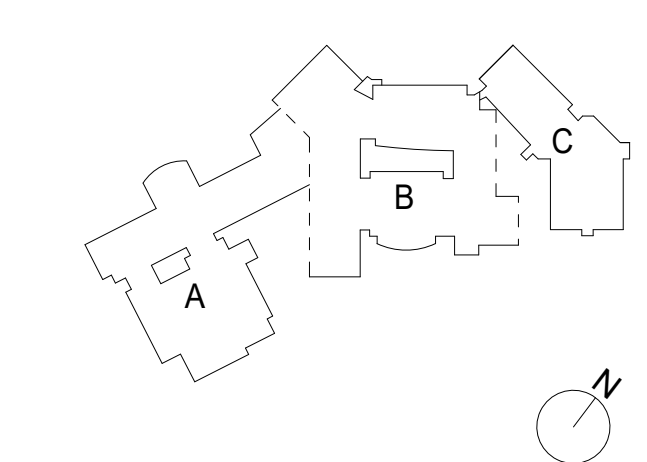
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BID SET 12/18/2023  
ISSUE DATE

KEY PLAN



SED PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**ASBESTOS  
ABATEMENT PLAN -  
THIRD FLOOR - AREA B**

**H-019.00**

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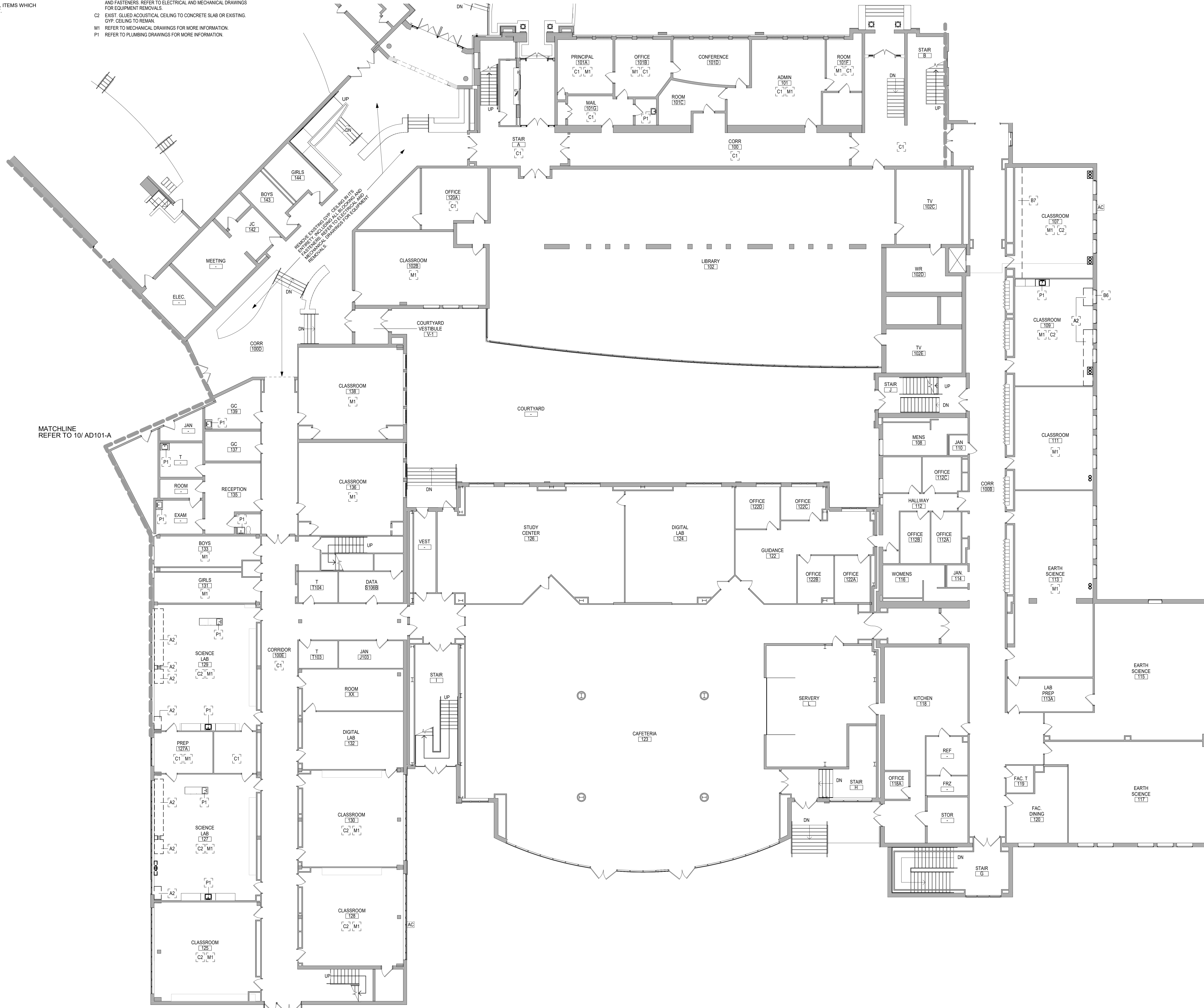


**SHEET NOTES**

- A. REMOVAL OF MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT / FIXTURES IS FOR REFERENCE ONLY. SEE MEP FOR DETAILED SCOPE OF WORK.
- B. REMOVAL OF WINDOW AC UNIT AND WINDOW PANEL BY OWNER.
- C. SEE H-DRAWINGS FOR REMOVAL ITEMS WHICH COMES OUT UNDER ABATEMENT.

**KEY NOTES**

- A2 REMOVE CASEWORK IN ITS ENTIRETY, INCLUDING ALL BLOCKING, FASTENERS, AND BASE.
- B6 REMOVAL OF WINDOW AC UNIT AND WINDOW PANEL BY OWNER.
- B7 PARTIAL REMOVAL OF CEILING GRID FOR NEW SOFFIT.
- C1 REMOVE EXISTING SUSPENDED CEILING SYSTEM IN ITS ENTIRETY ( EITHER ACOUSTIC TILE / GRID, OR PLASTER ) INCLUDING ALL HANGERS AND FASTENERS. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR EQUIPMENT REMOVALS.
- C2 EXIST. GULLED ACOUSTICAL CEILING TO CONCRETE SLAB OR EXISTING GYP. CEILING TO REMAIN.
- M1 REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
- P1 REFER TO PLUMBING DRAWINGS FOR MORE INFORMATION.



**EASTCHESTER UNION FREE SCHOOL DISTRICT**

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

ARCHITECT  
**MEMASI**  
2 LYON PLACE  
WHITE PLAINS, NY 10601  
914.915.9519  
MEMASIDESIGN.COM

STRUCTURAL CONSULTANT  
**REILLY TARANTINO ENGINEERING**  
100 PARK BLVD, SUITE 209  
MASSAPEQUA PARK, NY 11762

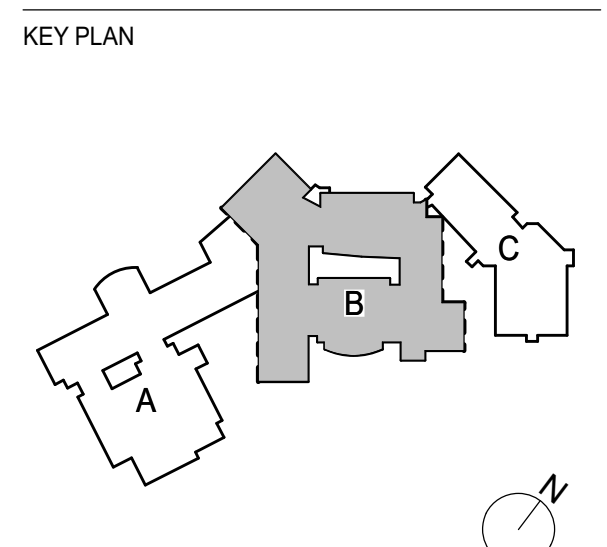
MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
**STANTEC**  
30 OAK STREET, SUITE 400  
STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT  
**WSP**  
ONE FENN PLAZA  
250 W 34TH ST., 4TH FLOOR  
NEW YORK, NY 10014

EXPIRATION DATE: 2/29/2024

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BID SET 12/18/2023  
ISSUE DATE



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**DEMOLITION PART PLAN - FIRST FLOOR - AREA B**

**AD101-B**  
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DEMOLITION PART PLAN - FIRST FLOOR - AREA B  
3/32" = 1'-0"

**SHEET NOTES**

- A. REMOVAL OF MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT/FIXTURES IS FOR REFERENCE ONLY. SEE MEP FOR DETAILED SCOPE OF WORK.
- B. REMOVAL OF WINDOW AC UNIT AND WINDOW PANEL BY OWNER.
- C. SEE H-DRAWINGS FOR REMOVAL ITEMS WHICH COMES OUT UNDER ABATEMENT.
- D. ADD ALTERNATES ARE FOR LIGHTING FIXTURES AND CEILING ONLY.

**KEY NOTES**

- A2 REMOVE CASEWORK IN ITS ENTIRETY, INCLUDING ALL BLOCKING, FASTENERS, AND BASE.
- A5 PORTION OF EXISTING CASEWORK TO BE REMOVED, INCLUDING ALL BLOCKING AND FASTENERS.
- A6 REMOVE ENCLOSURE IN ITS ENTIRETY, INCLUDING ALL BLOCKING, FASTENERS, AND BASE.
- A7 REMOVE WOOD IN ITS ENTIRETY, INCLUDING ALL BLOCKING, FASTENERS, AND BASE.
- A8 REMOVE WOOD AROUND COLUMN IN ITS ENTIRETY, INCLUDING ALL BLOCKING, FASTENERS, AND BASE.
- C1 REMOVE EXISTING SUSPENDED CEILING SYSTEM IN ITS ENTIRETY ( EITHER ACOUSTIC TILE / GRID, OR PLASTER ) INCLUDING ALL HANGERS AND FASTENERS. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR EQUIPMENT REMOVALS.
- C2 EXIST. GYP. CEILING TO REMAIN.
- M1 REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
- P1 REFER TO PLUMBING DRAWINGS FOR MORE INFORMATION.

**EASTCHESTER UNION FREE SCHOOL DISTRICT**

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

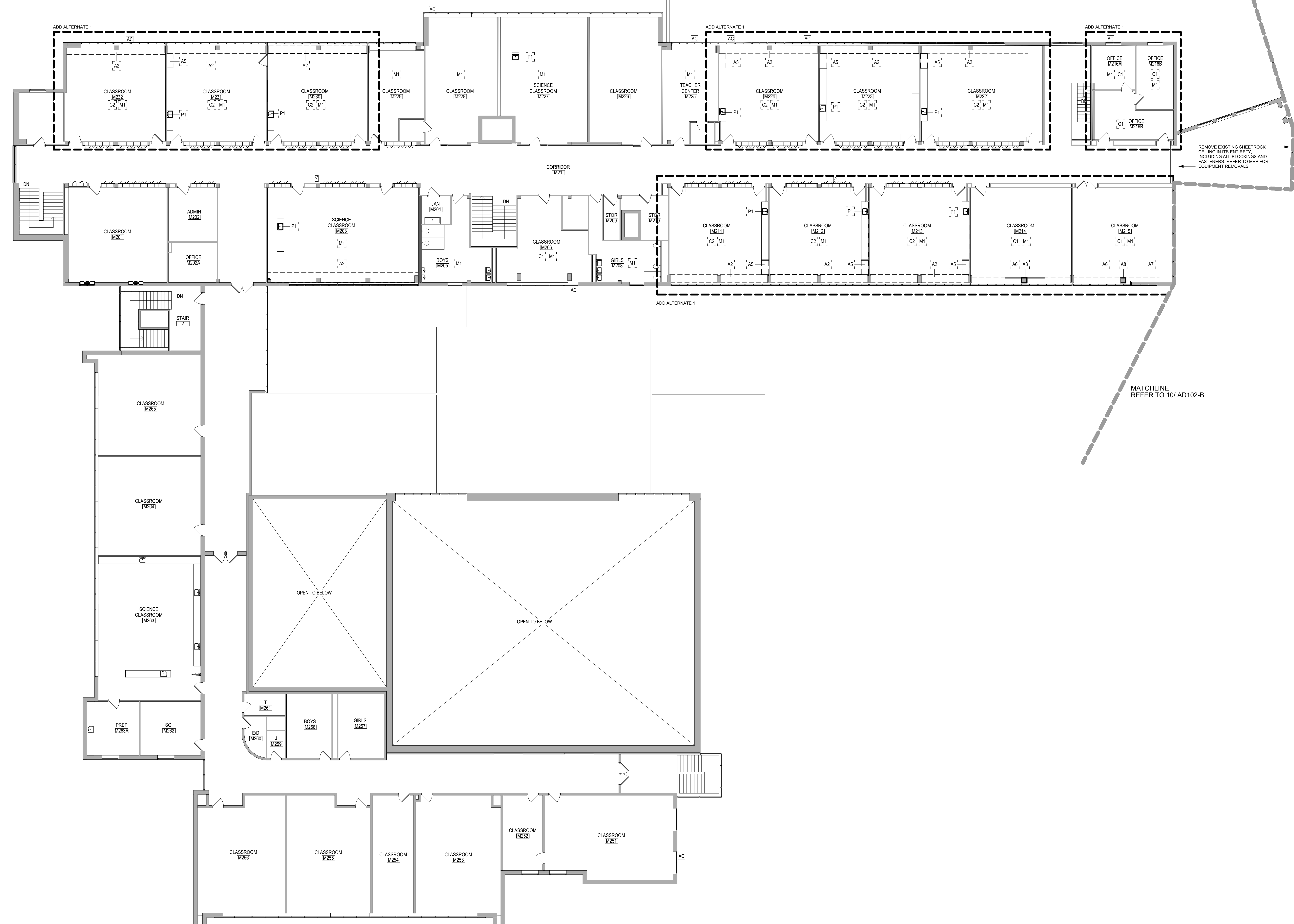
**MEMASI**

2 LYON PLACE  
WHITE PLAINS, NY 10601  
914.915.9519  
MEMASIDESIGN.COM

STRUCTURAL CONSULTANT  
**REILLY TARANTINO ENGINEERING**  
100 PARK BLVD, SUITE 209  
MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
**STANTEC**  
30 OAK STREET, SUITE 400  
STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT  
**WSP**  
ONE FENN PLAZA  
250 W 34TH ST., 4TH FLOOR  
NEW YORK, NY 10014



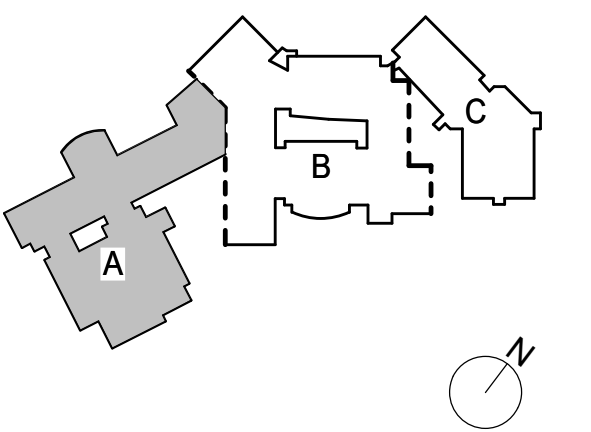
EXPIRATION DATE: 2/29/2024

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BID SET 12/18/2023  
 ISSUE DATE

**KEY PLAN**



PROJECT NO. 66-03-01-03-0-003-031  
 MEMASI PROJECT NO. 102-2301

**DEMOLITION PART PLAN - SECOND FLOOR - AREA A**

**AD102-A**

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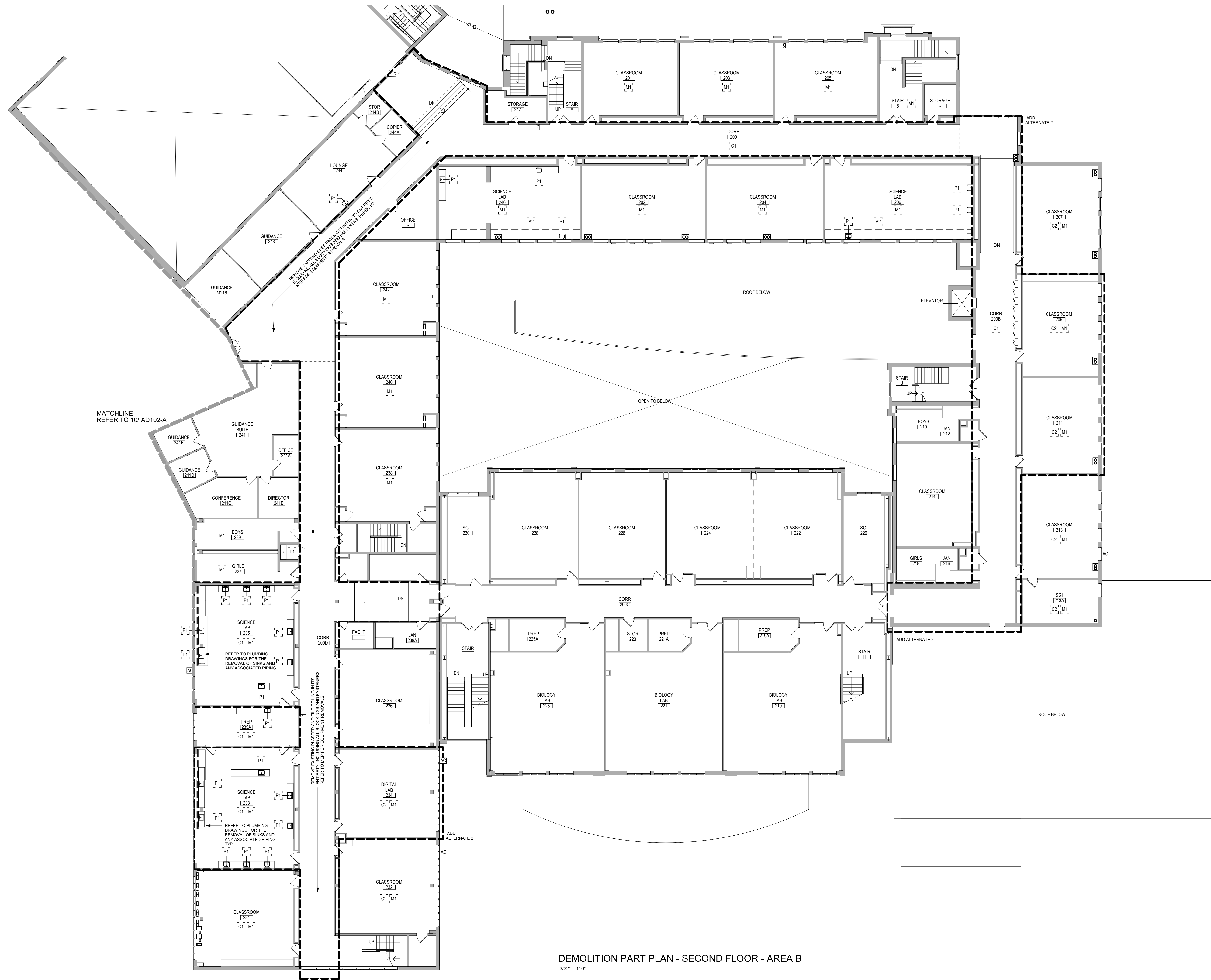
DEMOLITION PART PLAN - SECOND FLOOR - AREA A  
 3/32" = 1'-0"

**SHEET NOTES**

- A. REMOVAL OF MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT/FIXTURES IS FOR REFERENCE ONLY. SEE MEP FOR DETAIL SCOPE OF WORK.
- B. REMOVAL OF WINDOW AC UNIT AND WINDOW PANEL BY OWNER.
- C. SEE H-DRAWINGS FOR REMOVAL ITEMS WHICH COMES OUT UNDER ABATEMENT.
- D. ADD ALTERNATES ARE FOR LIGHTING FIXTURES AND CEILING ONLY.

**KEY NOTES**

- A2 REMOVE CASEWORK IN ITS ENTIRETY, INCLUDING ALL BLOCKING, FASTENERS, AND BASE.
- C1 REMOVE EXISTING SUSPENDED CEILING SYSTEM IN ITS ENTIRETY (EITHER ACOUSTIC TILE, GRID, OR PLASTER) INCLUDING ALL HANGERS AND FASTENERS. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR EQUIPMENT REMOVALS.
- C2 EXIST. GULFED ACOUSTICAL CEILING TO CONCRETE SLAB OR EXISTING CYP. CEILING TO REMAIN.
- M1 REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
- P1 REFER TO PLUMBING DRAWINGS FOR MORE INFORMATION.



DEMOLITION PART PLAN - SECOND FLOOR - AREA B  
3/32" = 1'-0"

**EASTCHESTER UNION FREE SCHOOL DISTRICT**

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

ARCHITECT  
**MEMASI**  
2 LYON PLACE  
WHITE PLAINS, NY 10601  
914.915.9519  
MEMASIDESIGN.COM

STRUCTURAL CONSULTANT  
**REILLY TARANTINO ENGINEERING**  
100 PARK BLVD, SUITE 209  
MASSAQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
**STANTEC**  
30 OAK STREET, SUITE 400  
STAMFORD, CT 06905

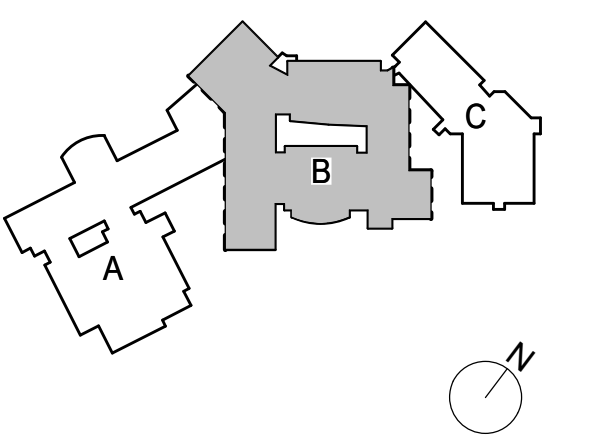
HAZARDOUS MATERIALS CONSULTANT  
**WSP**  
ONE FENN PLAZA  
250 W 34TH ST, 4TH FLOOR  
NEW YORK, NY 10014

EXPIRATION DATE: 2/29/2024

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BID SET 12/18/2023  
ISSUE DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**DEMOLITION PART PLAN - SECOND FLOOR - AREA B**

**AD102-B**

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**SHEET NOTES**

- A. REMOVAL OF MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT/FIXTURES IS FOR REFERENCE ONLY. SEE MEP FOR DETAIL SCOPE OF WORK.
- B. REMOVAL OF WINDOW AC UNIT AND WINDOW PANEL BY OWNER.
- C. SEE H-DRAWINGS FOR REMOVAL ITEMS WHICH COMES OUT UNDER ABATEMENT.

**KEY NOTES**

- C1 REMOVE EXISTING SUSPENDED CEILING SYSTEM IN ITS ENTIRETY ( EITHER ACOUSTIC TILE / GRID, OR PLASTER ) INCLUDING ALL HANGERS AND FASTENERS. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR EQUIPMENT REMOVALS.
- M1 REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.

**EASTCHESTER UNION FREE SCHOOL DISTRICT**

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

ARCHITECT  
**MEMASI**  
2 LYON PLACE  
WHITE PLAINS, NY 10601  
914.915.9519  
MEMASIDESIGN.COM

STRUCTURAL CONSULTANT  
**REILLY TARANTINO ENGINEERING**  
100 PARK BLVD, SUITE 209  
MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
**STANTEC**  
30 OAK STREET, SUITE 400  
STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT  
**WSP**  
ONE FENN PLAZA  
250 W 34TH ST., 4TH FLOOR  
NEW YORK, NY 10014

EXPIRATION DATE: 2/29/2024

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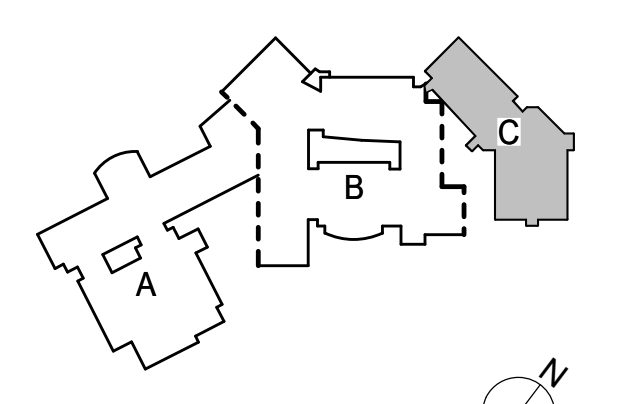
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ISSUE \_\_\_\_\_ DATE

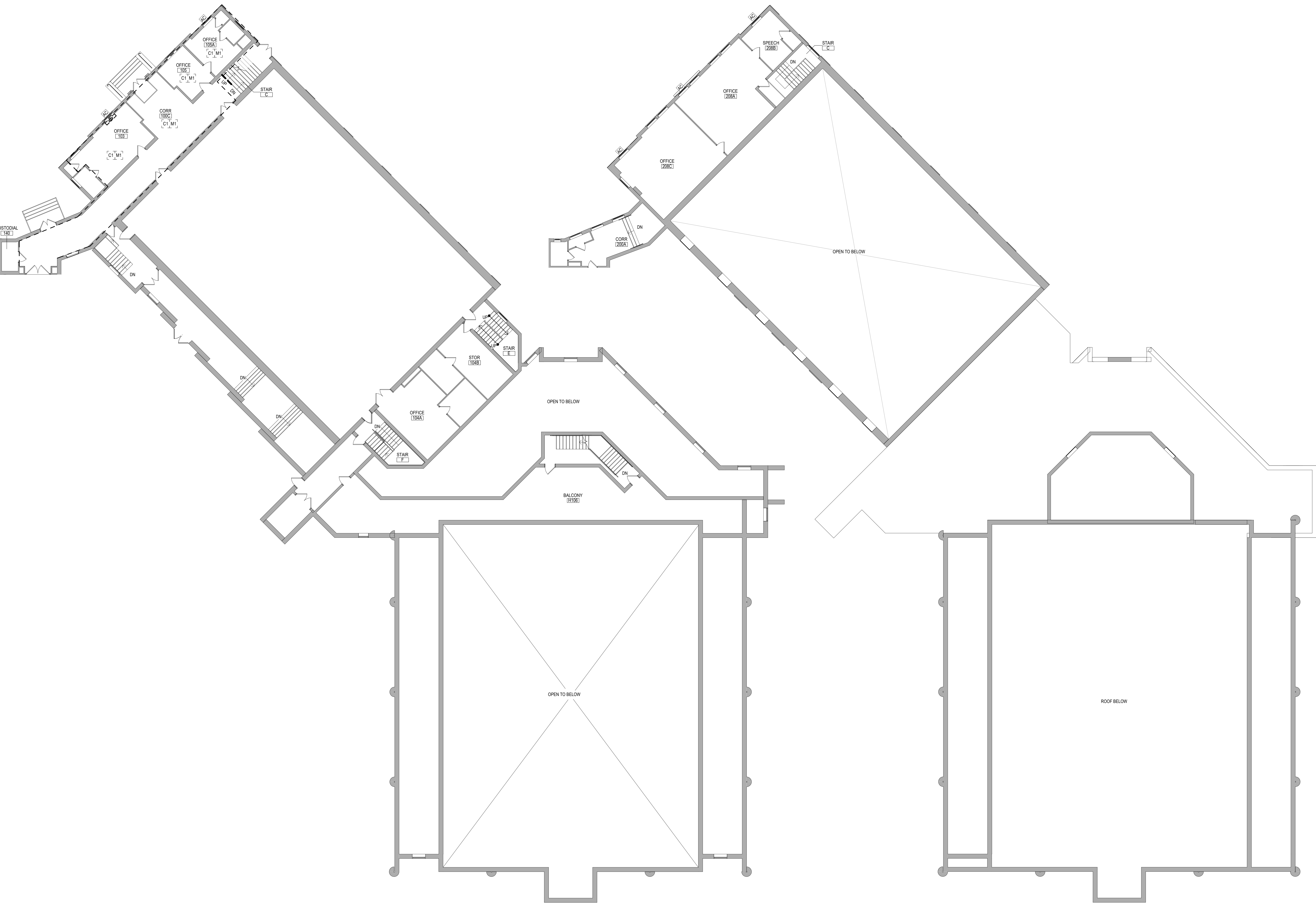
KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**DEMOLITION PART PLAN C - FIRST AND SECOND FLOOR**

**AD102-C**  
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DEMOLITION PART PLAN - FIRST FLOOR - AREA C  
3/32" = 1'-0" 11

DEMOLITION PART PLAN - SECOND FLOOR - AREA C  
3/32" = 1'-0" 10



**SHEET NOTES**

- A. REMOVAL OF MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT/FIXTURES IS FOR REFERENCE ONLY. SEE MEP FOR DETAIL SCOPE OF WORK.
- B. REMOVAL OF WINDOW AC UNIT AND WINDOW PANEL BY OWNER.
- C. SEE H-DRAWINGS FOR REMOVAL ITEMS WHICH COMES OUT UNDER ABATEMENT.
- D. ADD ALTERNATES ARE FOR LIGHTING FIXTURES AND CEILING ONLY.

**KEY NOTES**

- A9 REMOVE AND PROTECT UPPER AND LOWER CABINETS TO BE REINSTALLED IN EXISTING LOCATION.
- C1 REMOVE EXISTING SUSPENDED CEILING SYSTEM IN ITS ENTIRETY ( EITHER ACOUSTIC TILE/ GRID, OR PLASTER ) INCLUDING ALL HANGERS AND FASTENERS. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR EQUIPMENT REMOVALS.
- C2 EXIST. GULFED ACOUSTICAL CEILING TO CONCRETE SLAB OR EXISTING CYP. CEILING TO REMAIN.
- M1 REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
- P1 REFER TO PLUMBING DRAWINGS FOR MORE INFORMATION.

**EASTCHESTER UNION FREE SCHOOL DISTRICT**

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

ARCHITECT  
**MEMASI**

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MASSAPEQUA PARK, NY 11762

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**STANTEC**  
30 OAK STREET, SUITE 400  
STAMFORD, CT 06905

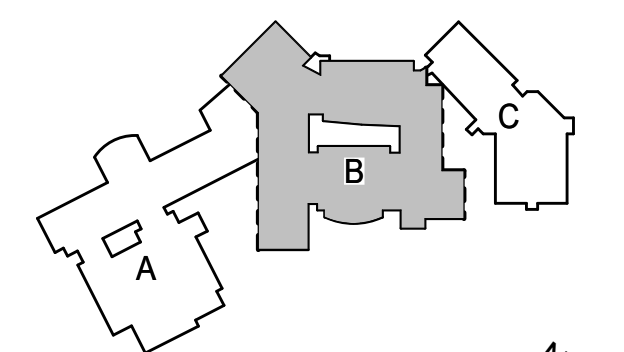
HAZARDOUS MATERIALS CONSULTANT  
**WSP**  
ONE FENN PLAZA  
250 W 34TH ST., 4TH FLOOR  
NEW YORK, NY 10014

EXPIRATION DATE: 2/29/2024

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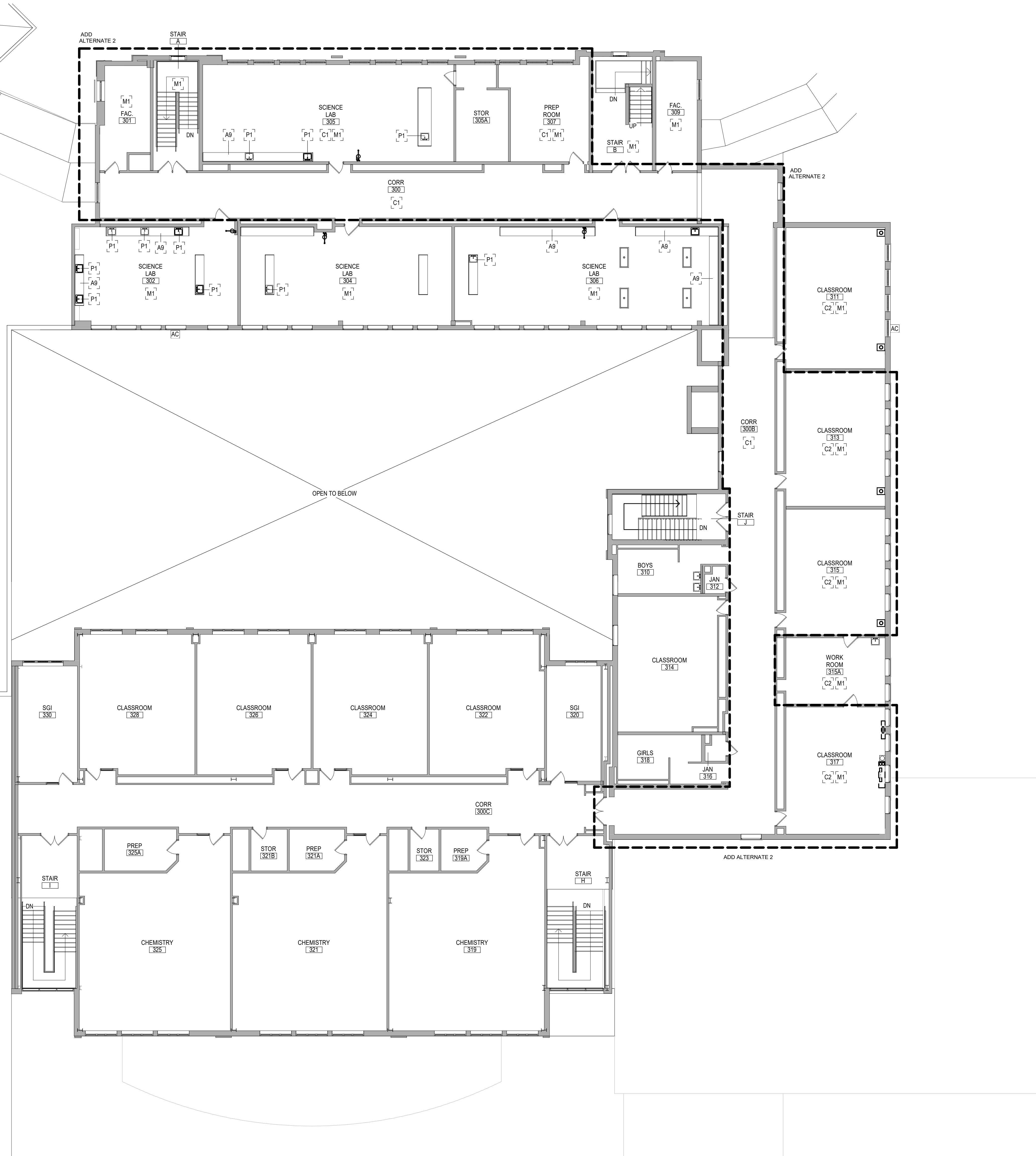


PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**DEMOLITION PART PLAN - THIRD FLOOR - AREA B**

**AD103-B**

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**DEMOLITION PART PLAN - THIRD FLOOR - AREA B**

3/32" = 1'-0"







**SHEET NOTES**

- A. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING FOR DETAILED SCOPE OF WORK. MEP EQUIPMENT /FIXTURES SHOWN IN ARCHITECTURAL DRAWING ARE FOR REFERENCE ONLY.
- B. ALL AREAS OF FLOOR ABATEMENT REMOVAL TO RECEIVE NEW LVT TILE INFILLS TO MATCH EXISTING BY GC.

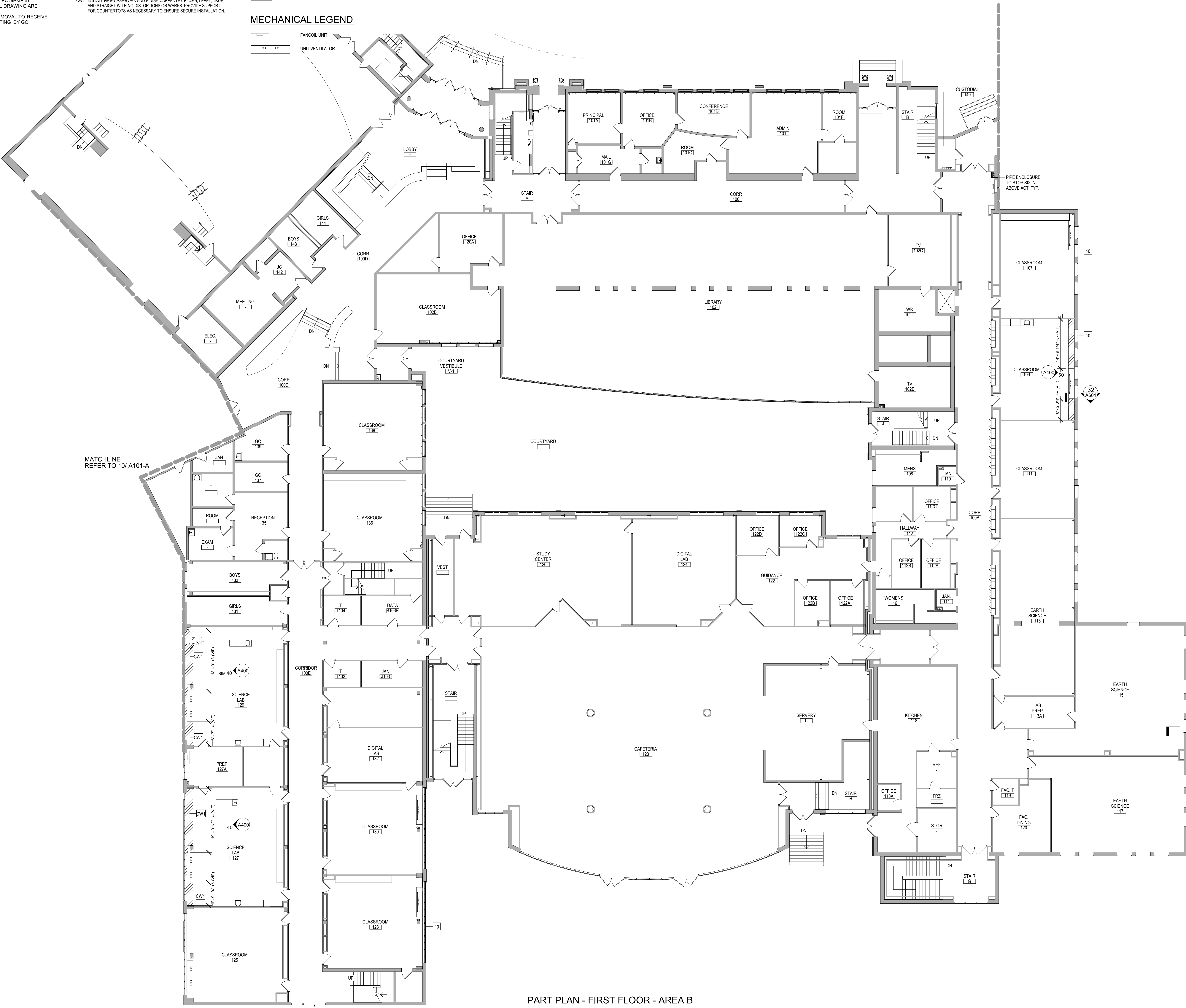
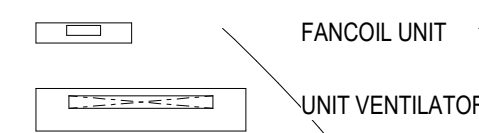
**KEY NOTES**

- 10 OWNER TO PROVIDE AND INSTALL INSULATED GLASS UNIT.
- CW1 INSTALL NEW CASEWORK AND FINISH CARPENTRY PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS OR WARPS. PROVIDE SUPPORT FOR COUNTERTOPS AS NECESSARY TO ENSURE SECURE INSTALLATION.

**MILLWORK LEGEND**



**MECHANICAL LEGEND**



**EASTCHESTER UNION FREE SCHOOL DISTRICT**

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

**MEMASI**

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WHITE PLAINS, NY 10601  
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STRUCTURAL CONSULTANT  
**REILLY TARANTINO ENGINEERING**  
100 PARK BLVD, SUITE 209  
MASSAPEQUA PARK, NY 11762

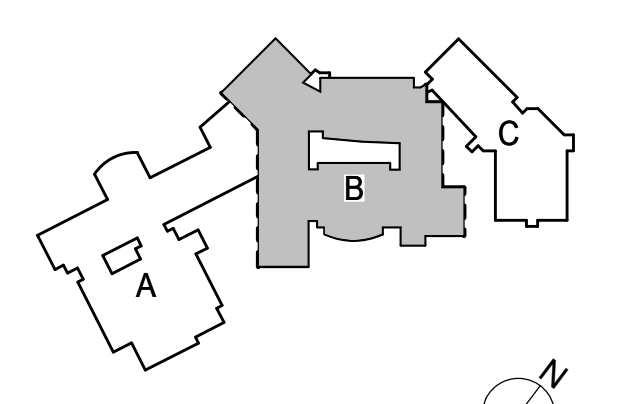
MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
**STANTEC**  
30 OAK STREET, SUITE 400  
STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT  
**WSP**  
ONE FENN PLAZA  
250 W 34TH ST., 4TH FLOOR  
NEW YORK, NY 10014

EXPIRATION DATE: 2/29/2024  
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BID SET 12/18/2023  
ISSUE DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**PART PLAN - FIRST FLOOR - AREA B**

**A101-B**

PART PLAN - FIRST FLOOR - AREA B

3/32" = 1'-0"

**SHEET NOTES**

- A. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING FOR DETAILED SCOPE OF WORK. MEP EQUIPMENT / FIXTURES SHOWN IN ARCHITECTURAL DRAWING ARE FOR REFERENCE ONLY.
- B. ALL AREAS OF FLOOR ABATEMENT REMOVAL TO RECEIVE NEW LVT TILE INFILLS TO MATCH EXISTING BY GC.

**KEY NOTES**

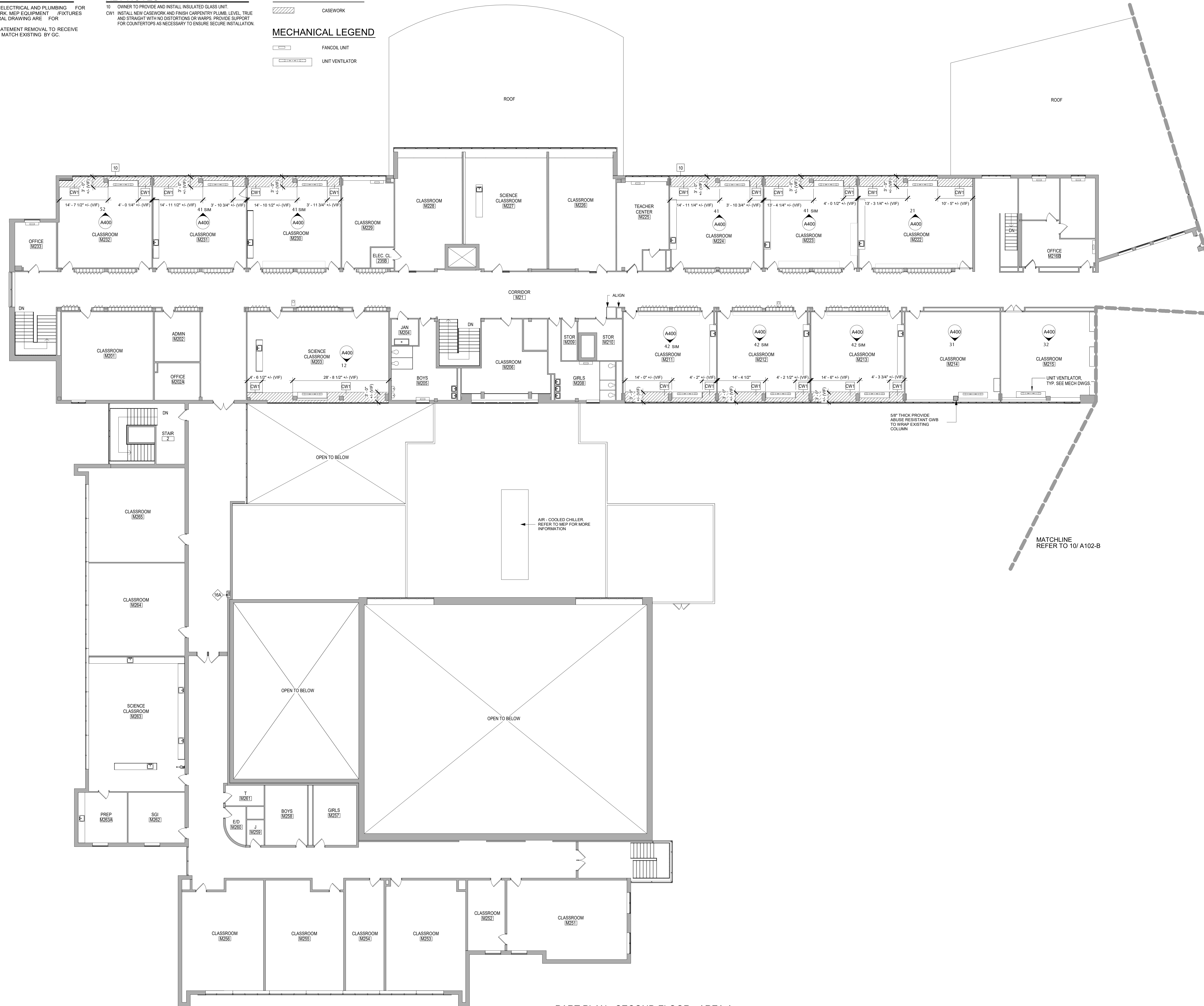
- 10 OWNER TO PROVIDE AND INSTALL INSULATED GLASS UNIT.
- CW1 INSTALL NEW CASEWORK AND FINISH CARPENTRY PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS OR WARPS. PROVIDE SUPPORT FOR COUNTERTOPS AS NECESSARY TO ENSURE SECURE INSTALLATION.

**MILLWORK LEGEND**

CASEWORK

**MECHANICAL LEGEND**

FANCOIL UNIT  
 UNIT VENTILATOR



**PART PLAN - SECOND FLOOR - AREA A**  
 3/32" = 1'-0"

**EASTCHESTER UNION FREE SCHOOL DISTRICT**

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

ARCHITECT  
**MEMASI**  
 2 LYON PLACE  
 WHITE PLAINS, NY 10601  
 914.915.9519  
 MEMASIDESIGN.COM

STRUCTURAL CONSULTANT  
**REILLY TARANTINO ENGINEERING**  
 100 PARK BLVD, SUITE 209  
 MASSAPEQUA PARK, NY 11762

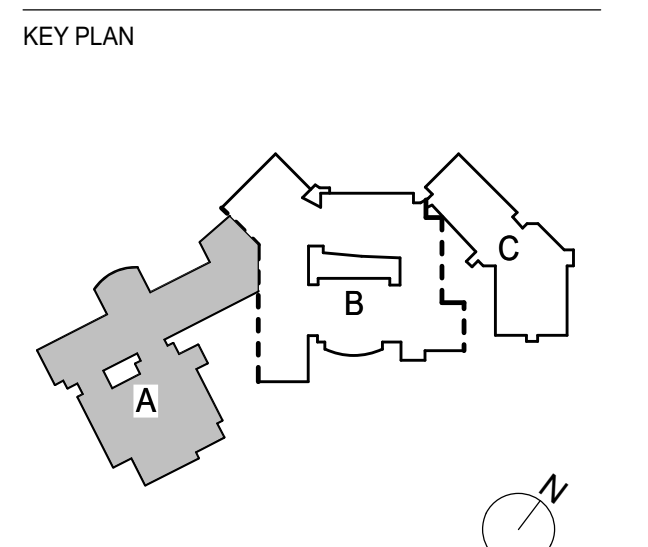
MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
**STANTEC**  
 30 OAK STREET, SUITE 400  
 STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT  
**WSP**  
 ONE FENN PLAZA  
 250 W 34TH ST., 4TH FLOOR  
 NEW YORK, NY 10014

EXPIRATION DATE: 2/29/2024

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ACCI DRAWING SET	12/05/2023
ISSUE	DATE



PROJECT NO. 66-03-01-03-003-031  
 MEMASI PROJECT NO. 102-2301

**PART PLAN - SECOND FLOOR - AREA A**

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**SHEET NOTES**

- A. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING FOR DETAILED SCOPE OF WORK. MEP EQUIPMENT / FIXTURES SHOWN IN ARCHITECTURAL DRAWING ARE FOR REFERENCE ONLY.
- B. ALL AREAS OF FLOOR ABATEMENT REMOVAL TO RECEIVE NEW LVT TILE INFILLS TO MATCH EXISTING BY GC.

**KEY NOTES**

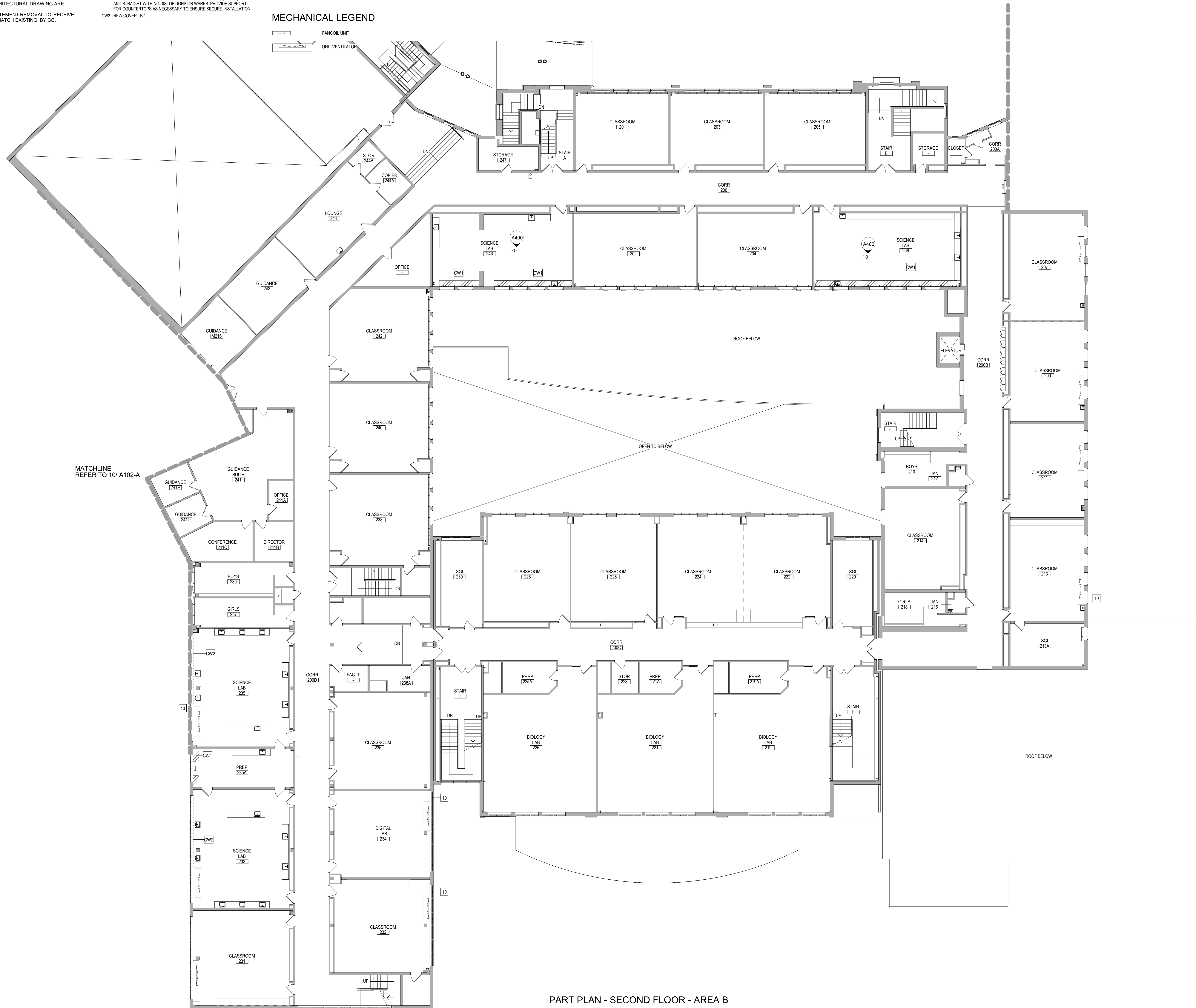
- 10. OWNER TO PROVIDE AND INSTALL INSULATED GLASS UNIT.
- CW1. INSTALL NEW CASEWORK AND FINISH CARPENTRY PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS OR WARPS. PROVIDE SUPPORT FOR COUNTERTOPS AS NECESSARY TO ENSURE SECURE INSTALLATION.
- CW2. NEW COVER TBD

**MILLWORK LEGEND**

CASEWORK

**MECHANICAL LEGEND**

FANCOIL UNIT  
 UNIT VENTILATOR



**PART PLAN - SECOND FLOOR - AREA B**  
 3/32" = 1'-0"

**EASTCHESTER UNION FREE SCHOOL DISTRICT**

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

ARCHITECT

**MEMASI**  
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 WHITE PLAINS, NY 10601  
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STRUCTURAL CONSULTANT

**REILLY TARANTINO ENGINEERING**  
 100 PARK BLVD, SUITE 209  
 MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT

**STANTEC**  
 30 OAK STREET, SUITE 400  
 STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT

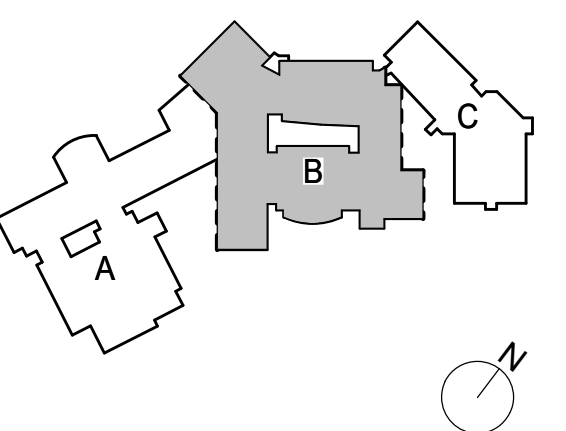
**WSP**  
 ONE PENN PLAZA  
 250 W 34TH ST, 4TH FLOOR  
 NEW YORK, NY 10014

EXPIRATION DATE: 2/29/2024

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BID SET 12/18/2023  
 ISSUE DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
 MEMASI PROJECT NO. 102-2301

**PART PLAN - SECOND FLOOR - AREA B**

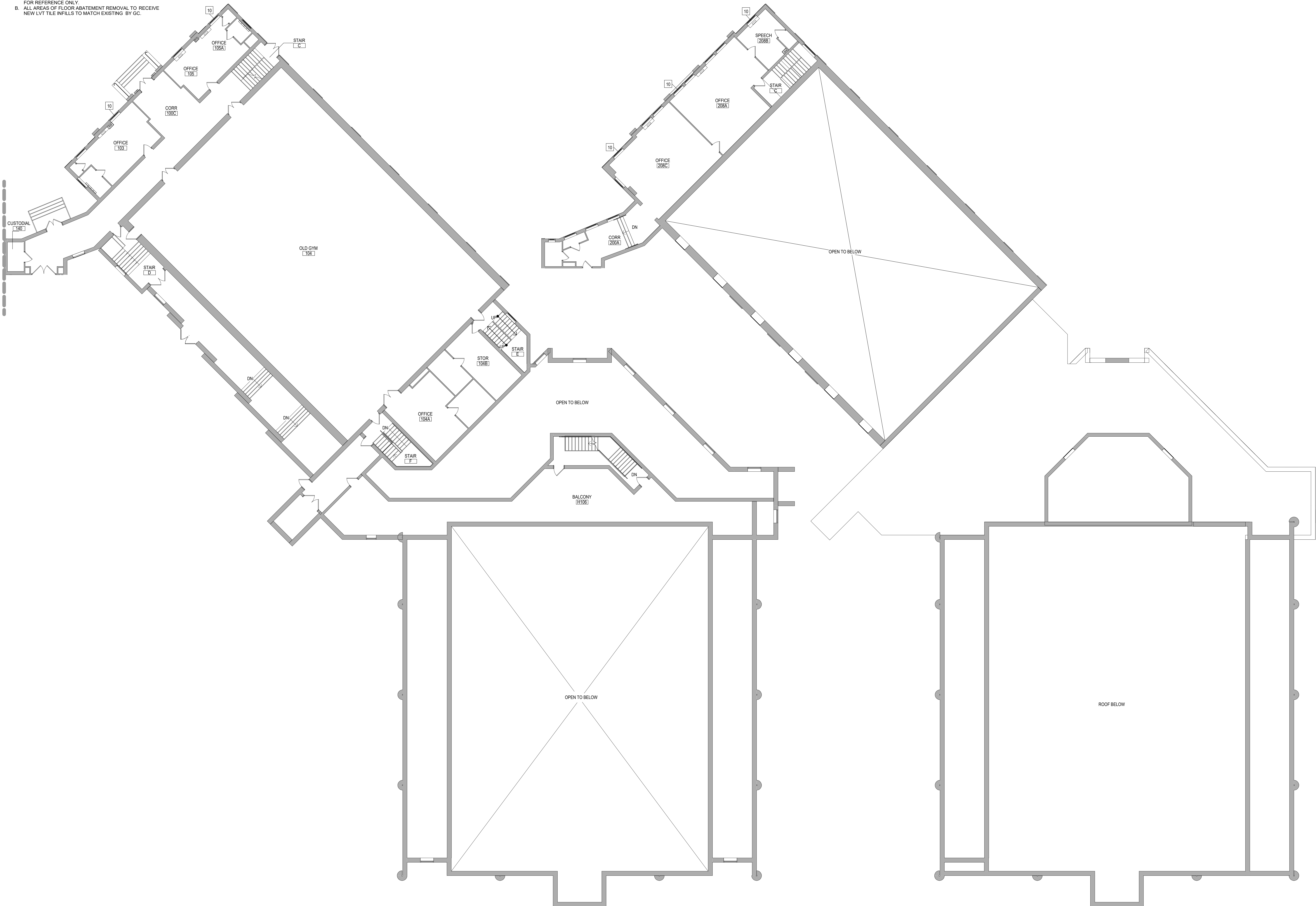
**A102-B**

**SHEET NOTES**

- A. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING FOR DETAILED SCOPE OF WORK. MEP EQUIPMENT / FIXTURES SHOWN IN ARCHITECTURAL DRAWING ARE FOR REFERENCE ONLY.
- B. ALL AREAS OF FLOOR ABATEMENT REMOVAL TO RECEIVE NEW LVT TILE INFILLS TO MATCH EXISTING BY GC.

**KEY NOTES**

10 OWNER TO PROVIDE AND INSTALL INSULATED GLASS UNIT.



PART PLAN - FIRST FLOOR - AREA C

3/32" = 1'-0"

PART PLAN - SECOND FLOOR - AREA C

3/32" = 1'-0"

**EASTCHESTER UNION FREE SCHOOL DISTRICT**

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

ARCHITECT

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MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT

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HAZARDOUS MATERIALS CONSULTANT

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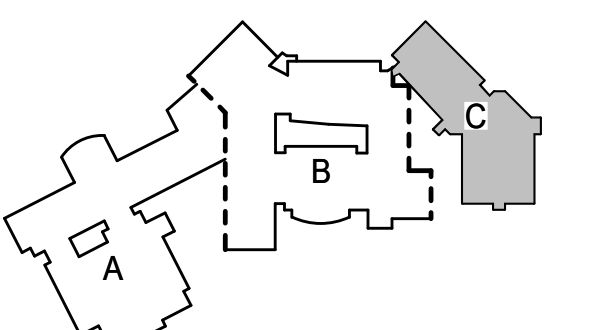
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PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**PART PLAN - FIRST AND SECOND FLOOR - AREA C**

**A102-C**

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**SHEET NOTES**

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- B. ALL AREAS OF FLOOR ABATEMENT REMOVAL TO RECEIVE NEW LVT TILE INFILLS TO MATCH EXISTING BY GC.

**KEY NOTES**

10 OWNER TO PROVIDE AND INSTALL INSULATED GLASS UNIT.

**MILLWORK LEGEND**

 CASEWORK

**MECHANICAL LEGEND**

 FANCOIL UNIT

 UNIT VENTILATOR



**PART PLAN - THIRD FLOOR - AREA B**  
3/32" = 1'-0"

**EASTCHESTER UNION FREE SCHOOL DISTRICT**

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

ARCHITECT

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30 OAK STREET, SUITE 400  
STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT

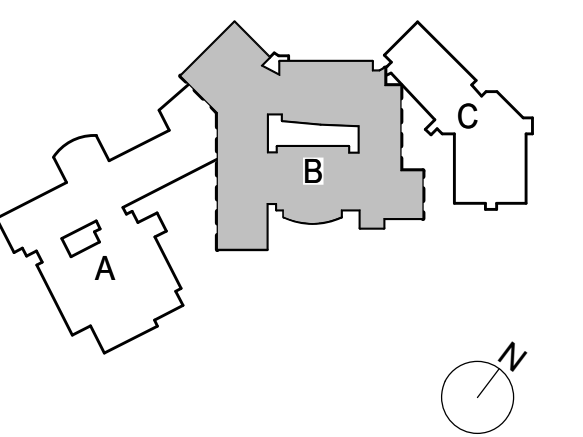
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250 W 34TH ST., 4TH FLOOR  
NEW YORK, NY 10014

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MEMASI PROJECT NO. 102-2301

**PART PLAN - THIRD FLOOR - AREA B**

**A103-B**

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**SHEET NOTES**

A. REPAIR AND PATCH EXIST. WALL. SKIM COAT & PAINT WALL TO MATCH EXISTING

**KEY NOTES**

PATCH AND REPAIR EXISTING COLUMN. PAINT COLUMN TO MATCH EXISTING.

INSULATED HVAC PIPES. SEE MECHANICAL DWGS FOR MORE INFORMATION

INSULATED HVAC PIPES. SEE MECHANICAL DWGS FOR MORE INFORMATION

**EASTCHESTER UNION FREE SCHOOL DISTRICT**

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

ARCHITECT  
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MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
**STANTEC**  
30 OAK STREET, SUITE 400  
STAMFORD, CT 06905

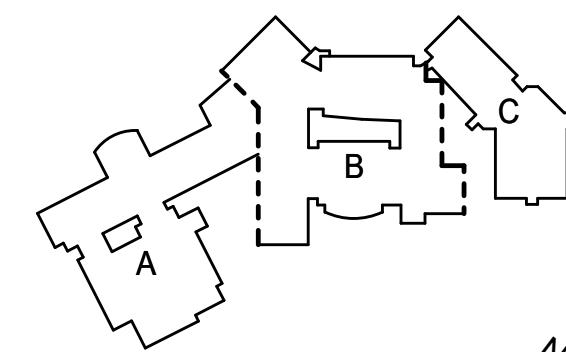
HAZARDOUS MATERIALS CONSULTANT  
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MEMASI PROJECT NO. 102-2301

**CLASSROOM ELEVATIONS**

**A400**

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WINDOW WALL ELEVATION @ MS - M232

1/4" = 1'-0"

52

WINDOW WALL ELEVATION @ CHORUS ROOM - MS111

1/4" = 1'-0"

51

WINDOW WALL ELEVATION @ HS - 109

1/4" = 1'-0"

50

WINDOW WALL ELEVATION @ MS - M108, M109, M211, M212, M213

1/4" = 1'-0"

42

WINDOW WALL ELEVATION @ MS - M223, M224, M230, M231

1/4" = 1'-0"

41

WINDOW WALL ELEVATION @ HS - 127, 129

1/4" = 1'-0"

40

WINDOW WALL ELEVATION @ MS - M215

1/4" = 1'-0"

32

WINDOW WALL ELEVATION @ MS - M110, M214

1/4" = 1'-0"

31

WINDOW WALL ELEVATION @ HS - 246

1/4" = 1'-0"

30

WINDOW WALL ELEVATION @ BAND ROOM MS-113

1/4" = 1'-0"

22

WINDOW ELEVATION @ MS - M222

1/4" = 1'-0"

21

WINDOW ELEVATION @ HS - ART ROOM 015

1/4" = 1'-0"

20

WINDOW WALL ELEVATION @ MS - M203

1/4" = 1'-0"

12

SIDE WALL ELEVATION @ BAND ROOM MS-113

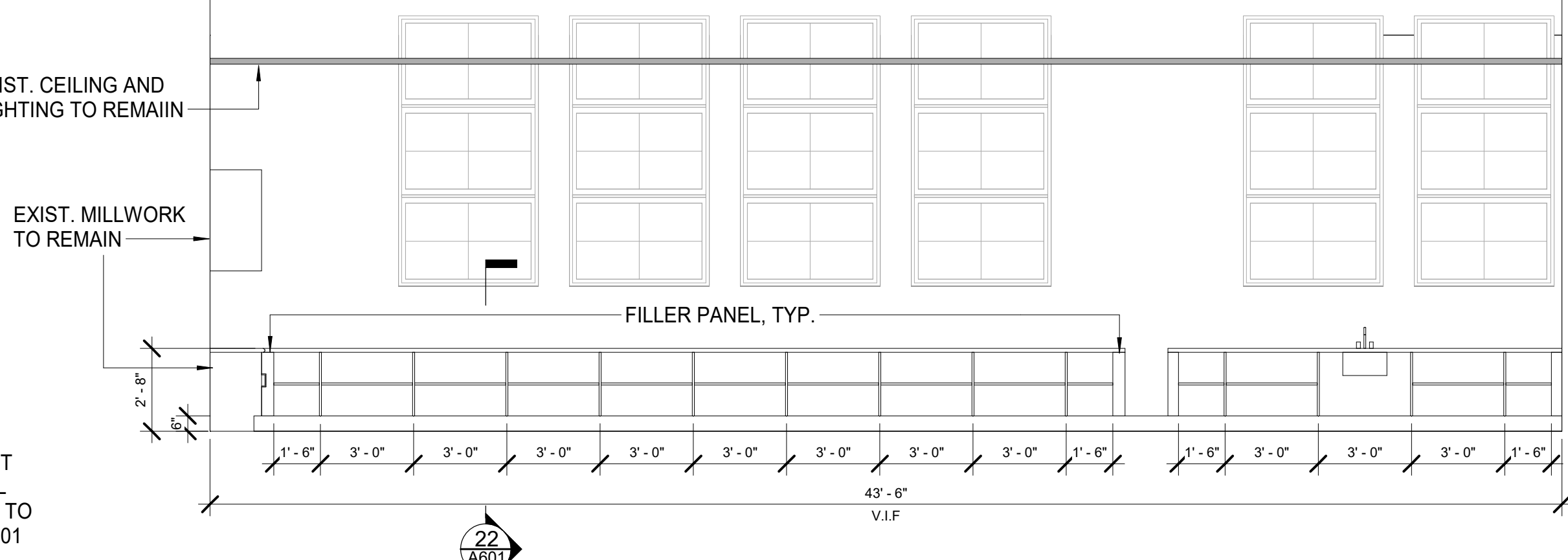
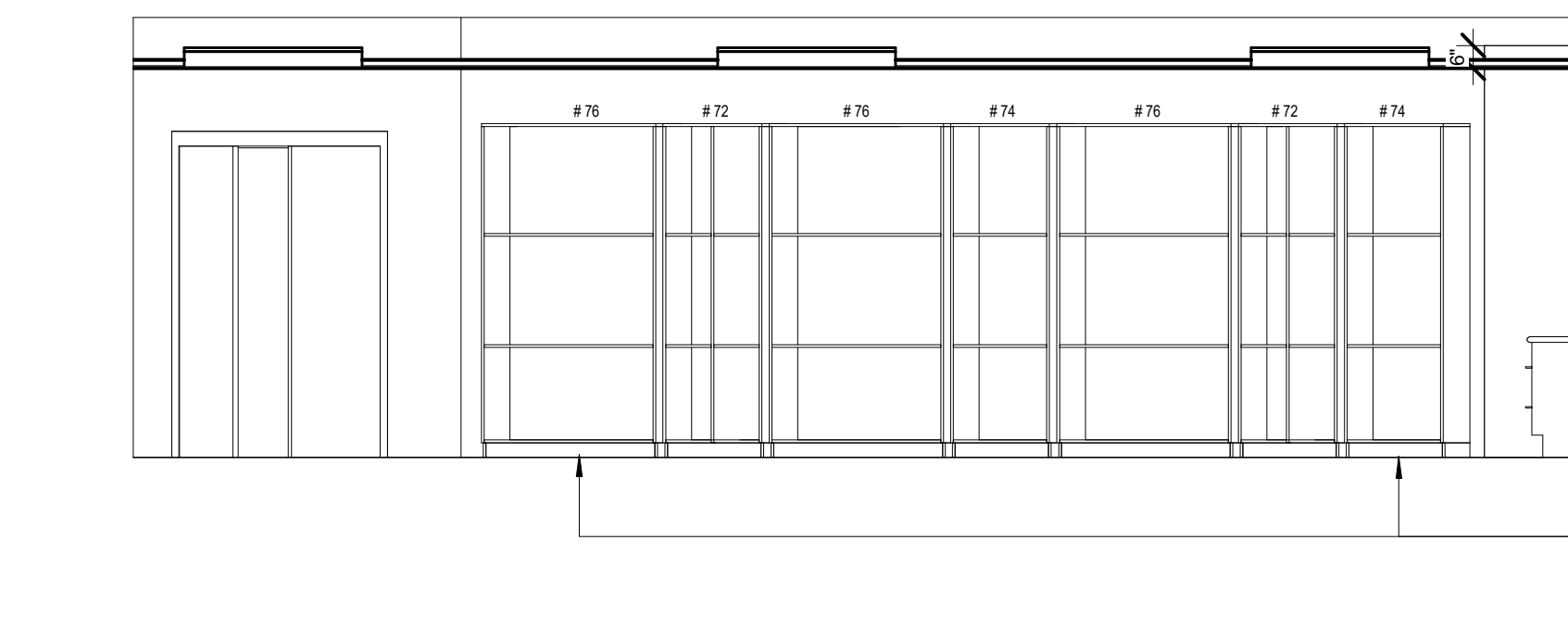
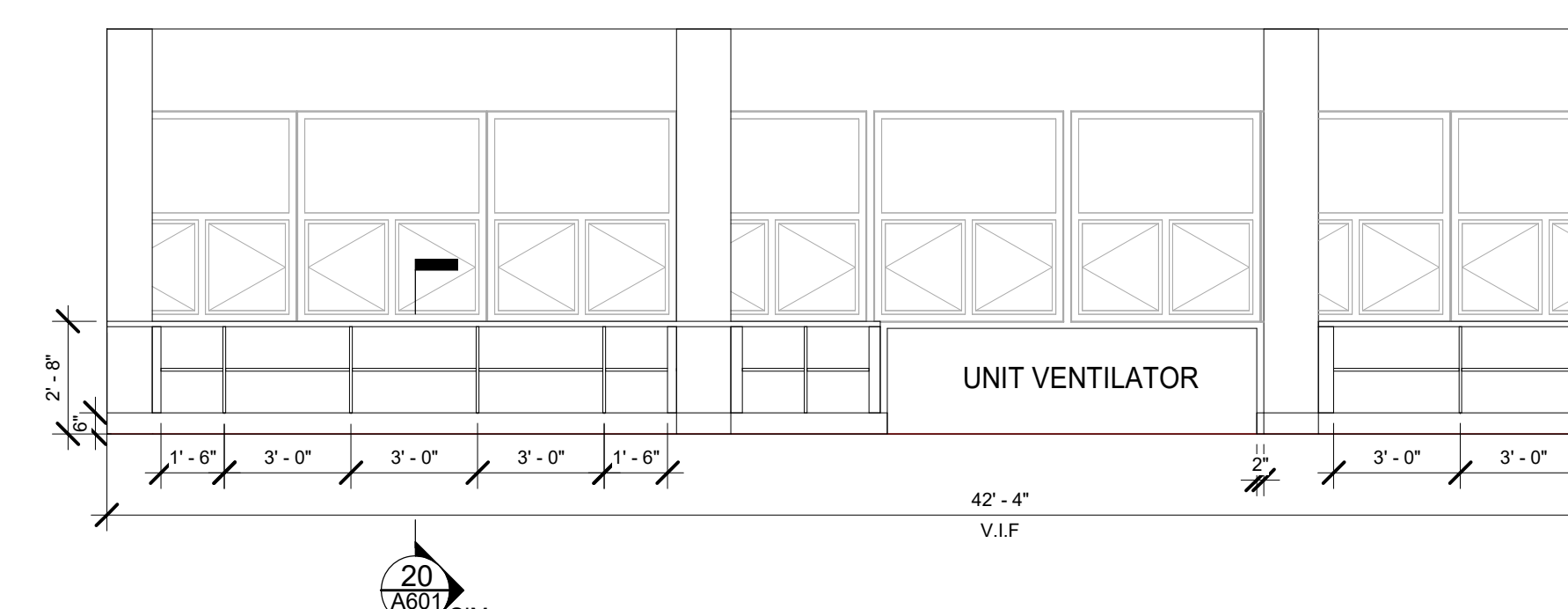
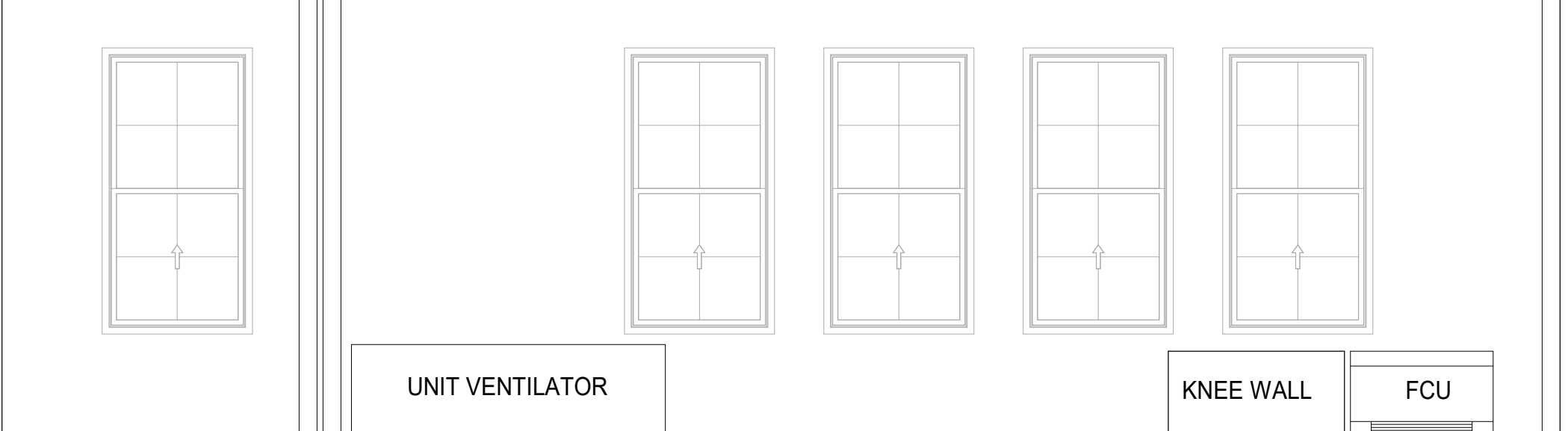
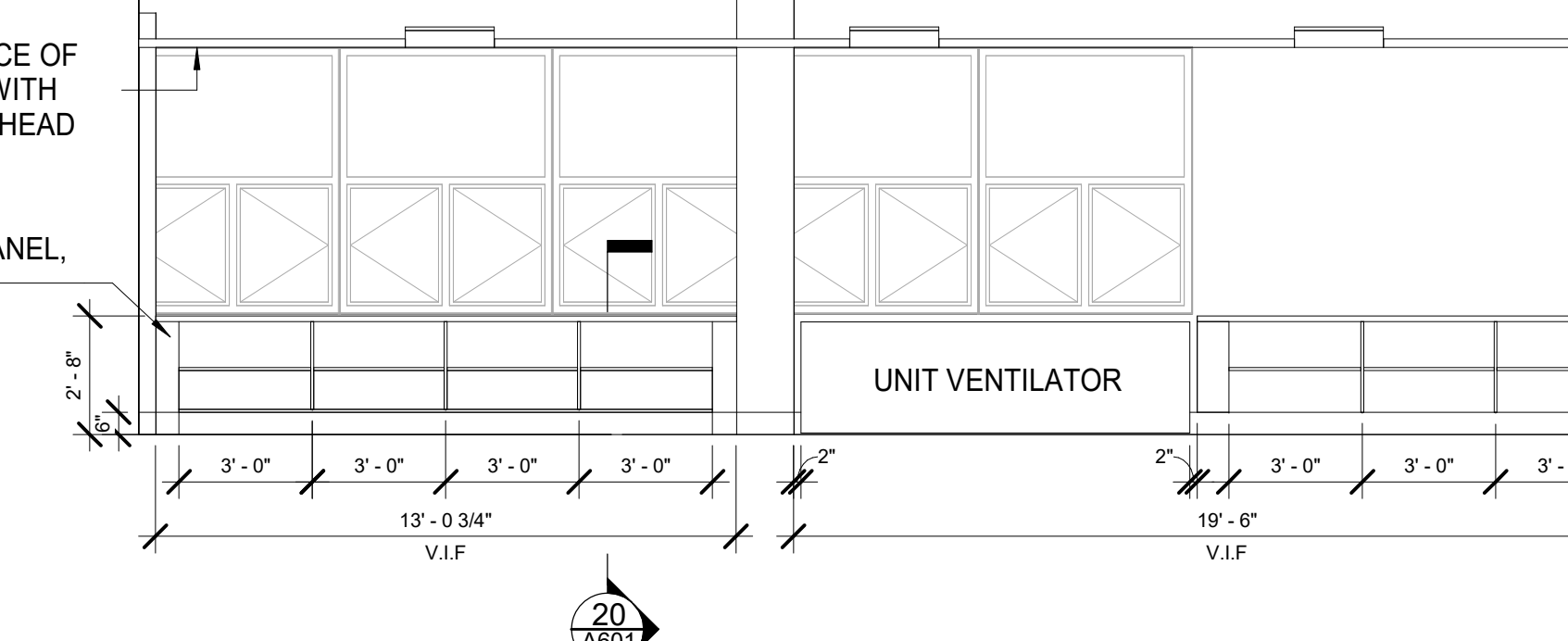
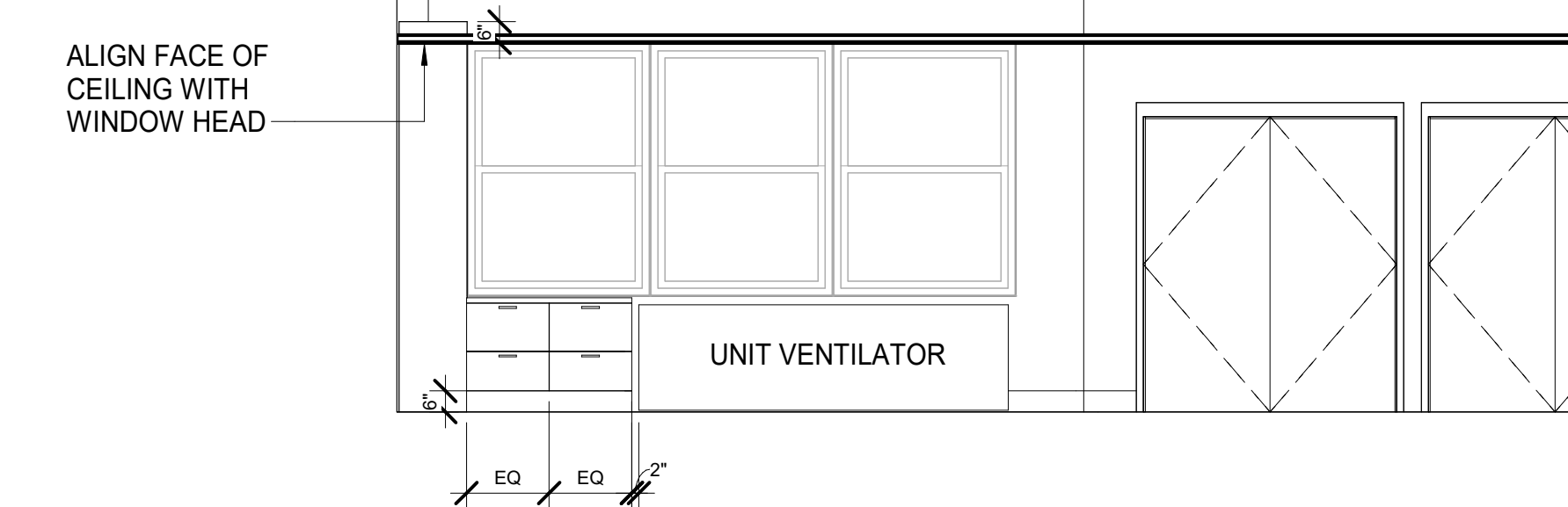
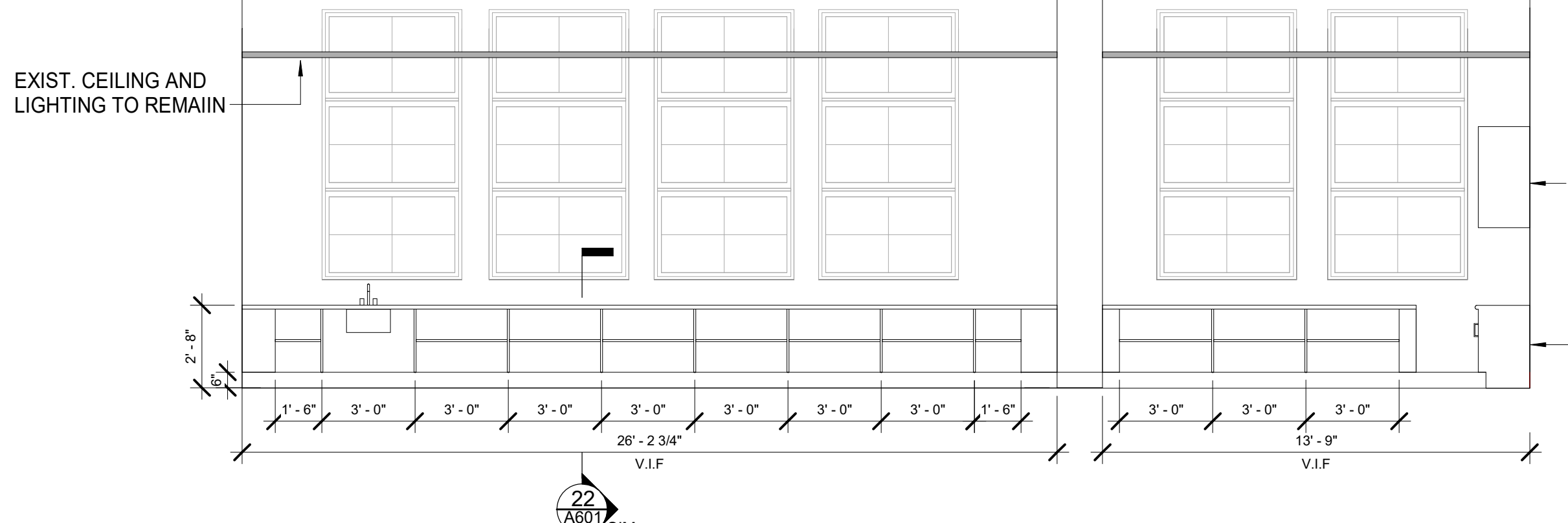
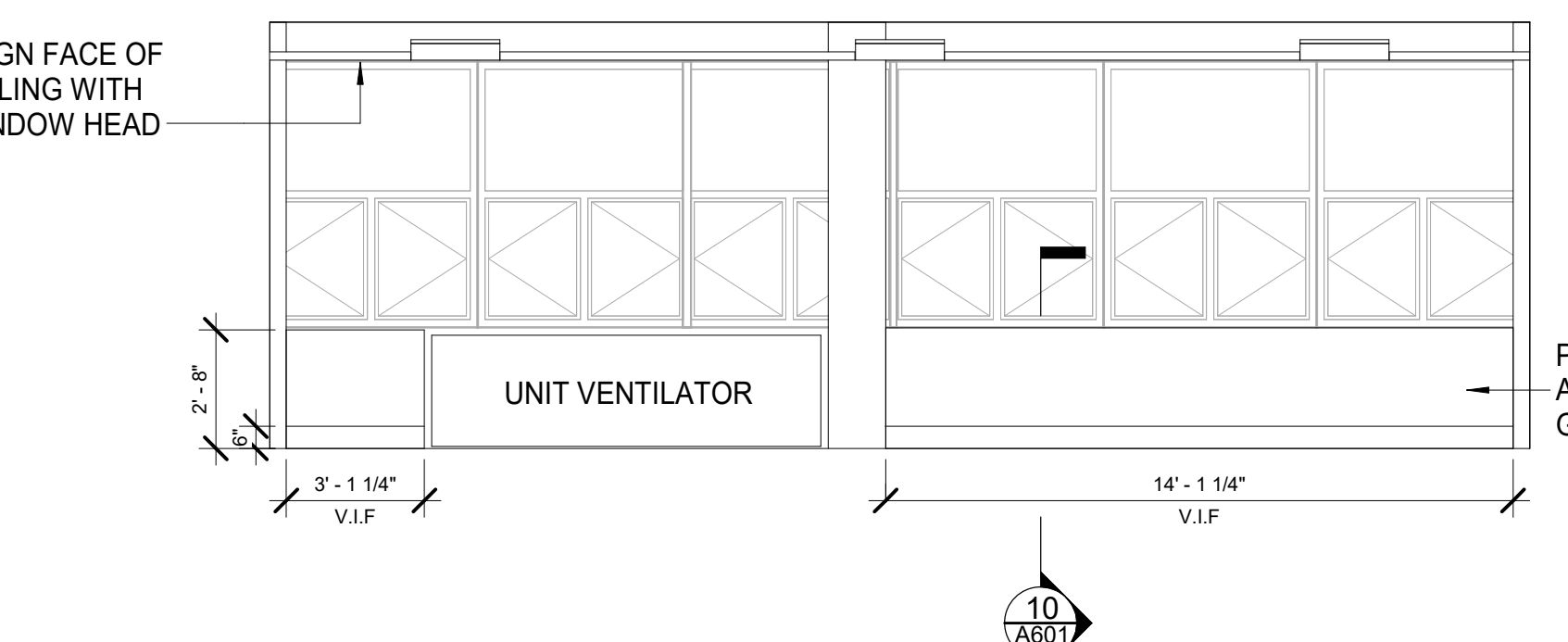
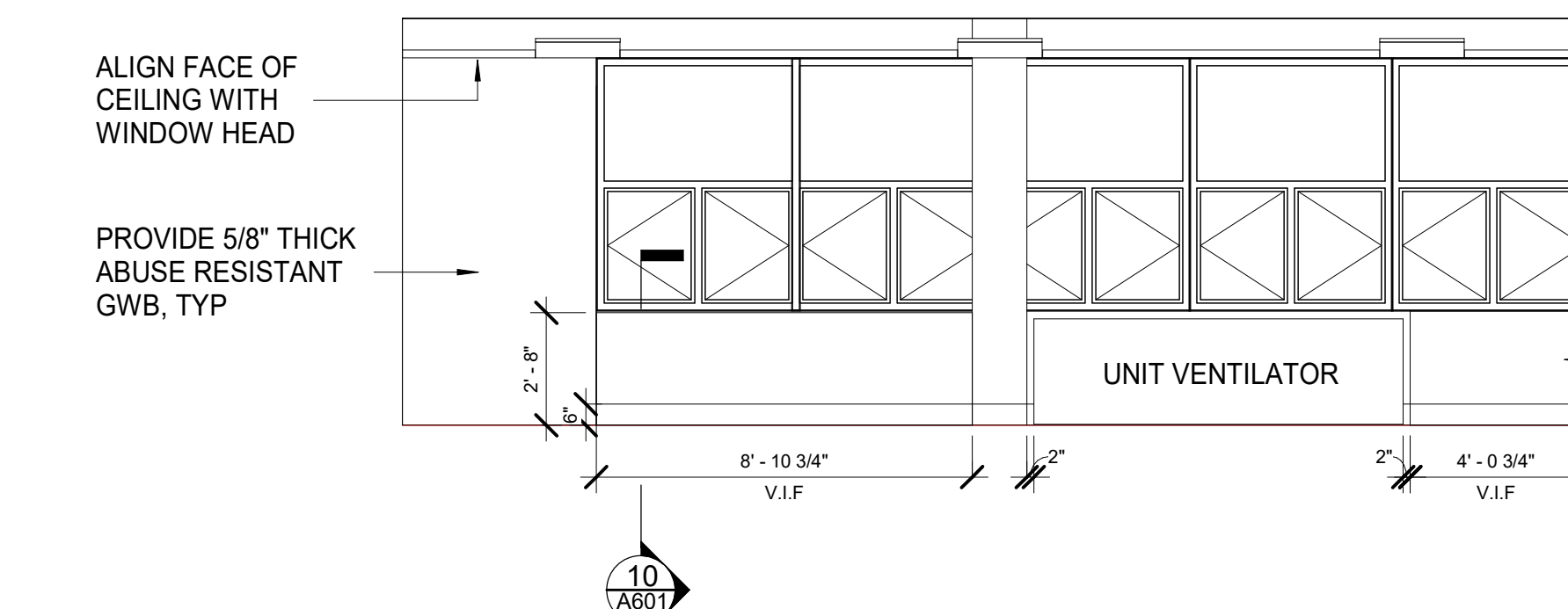
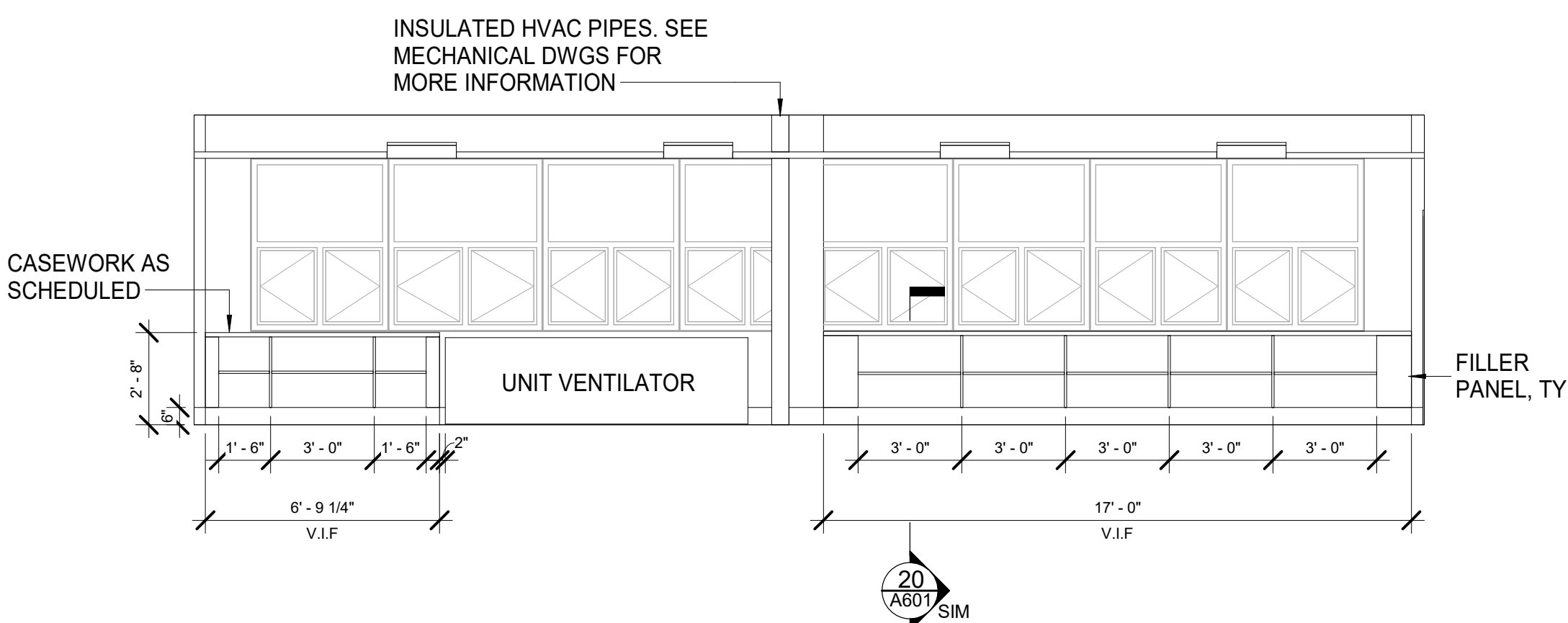
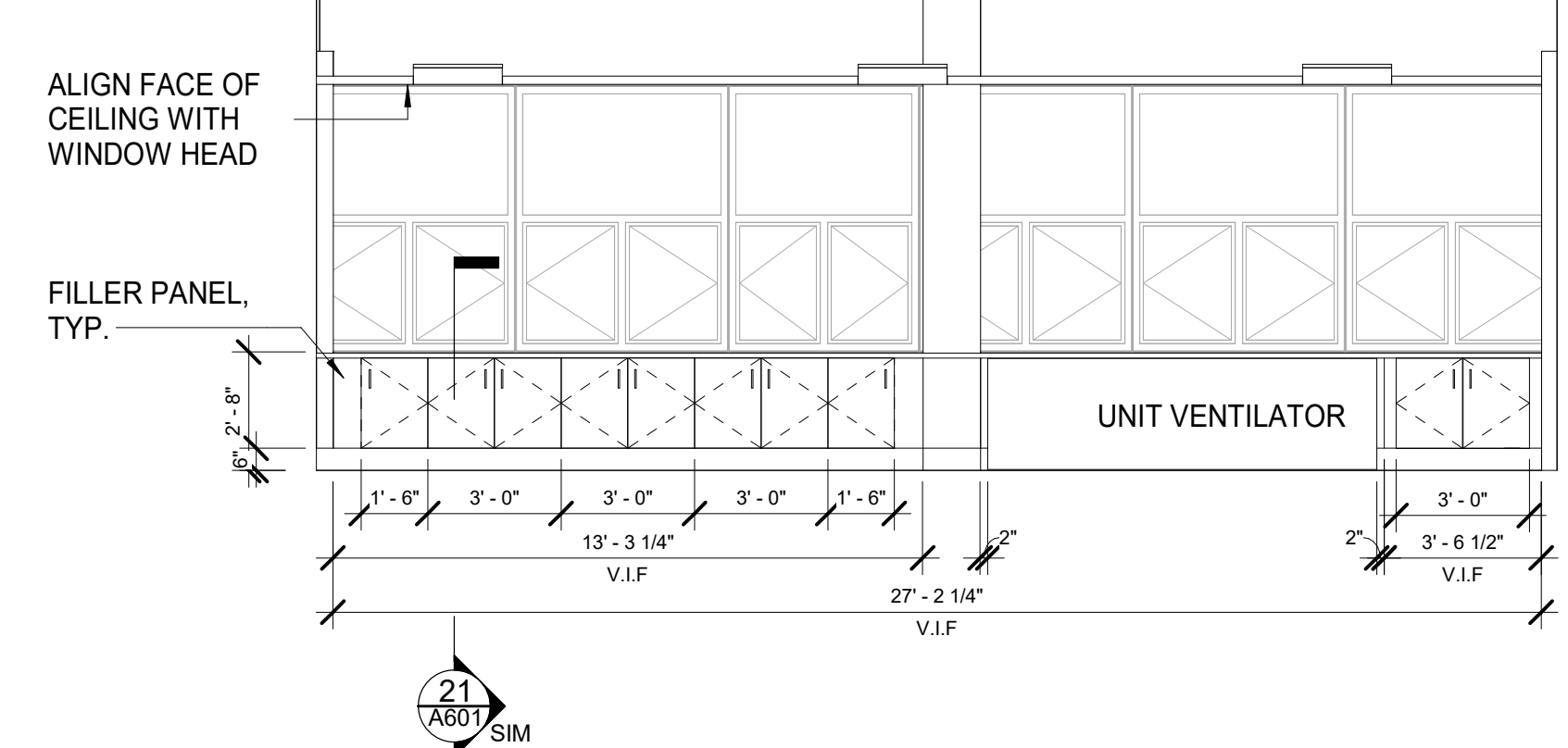
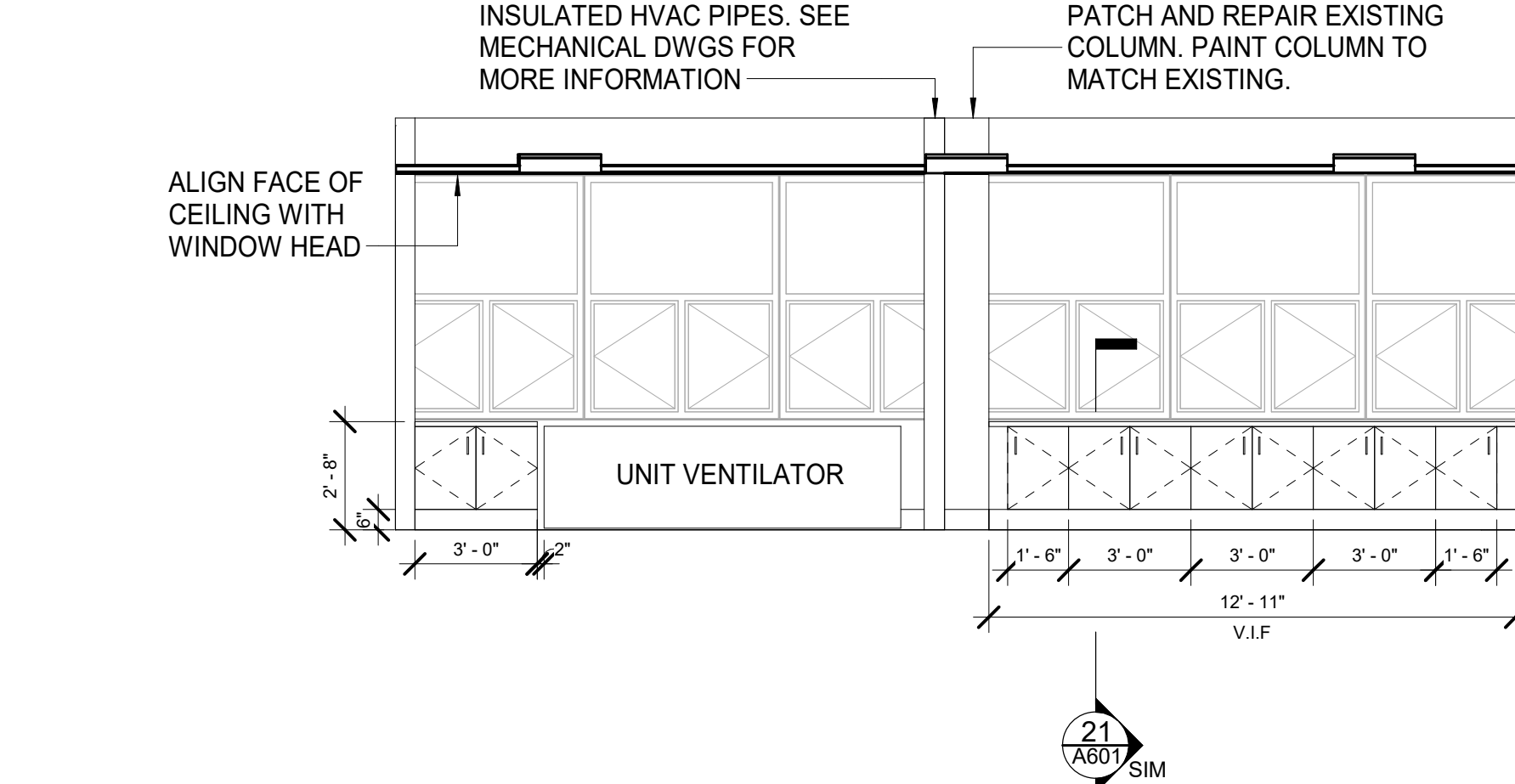
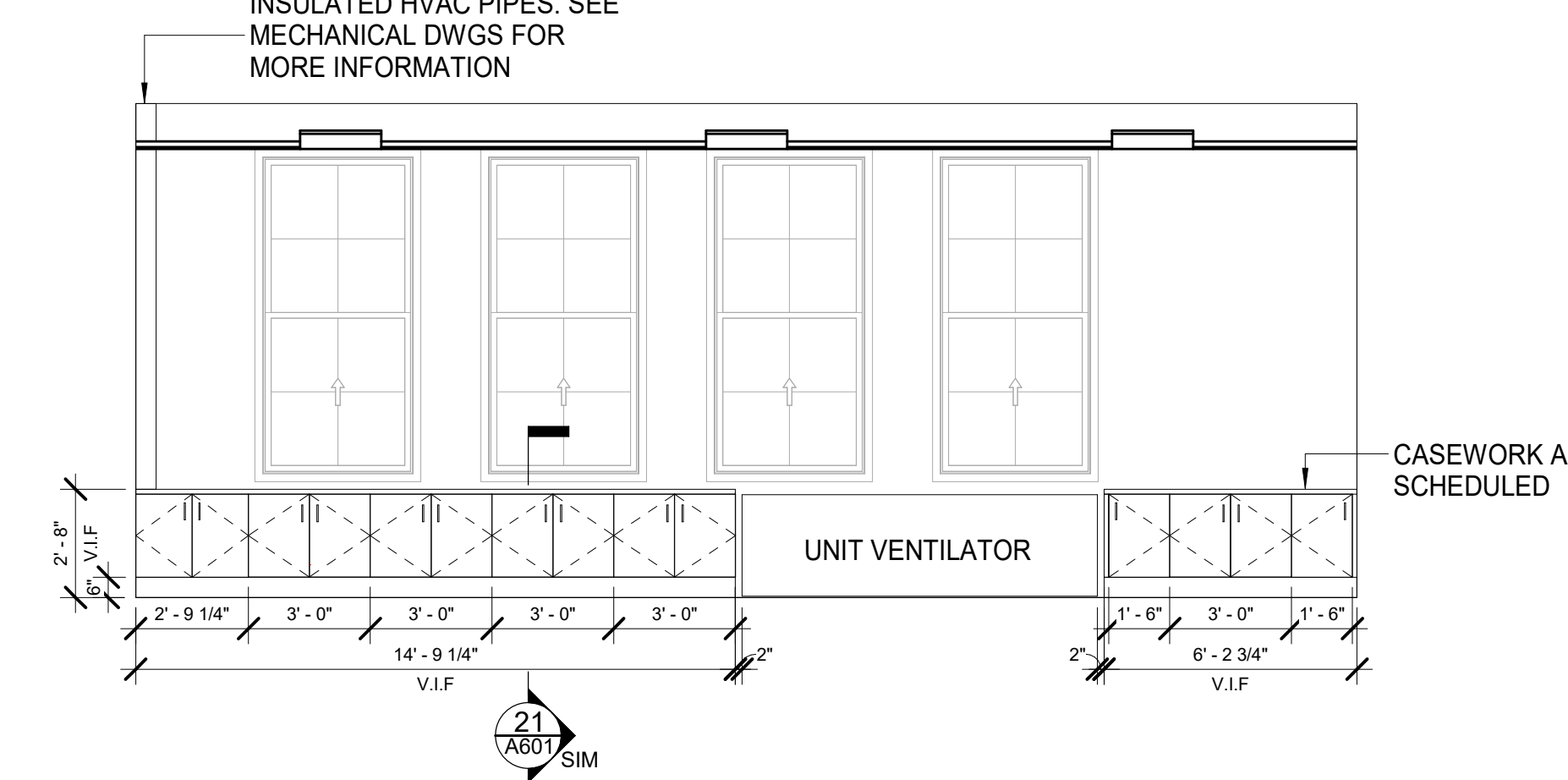
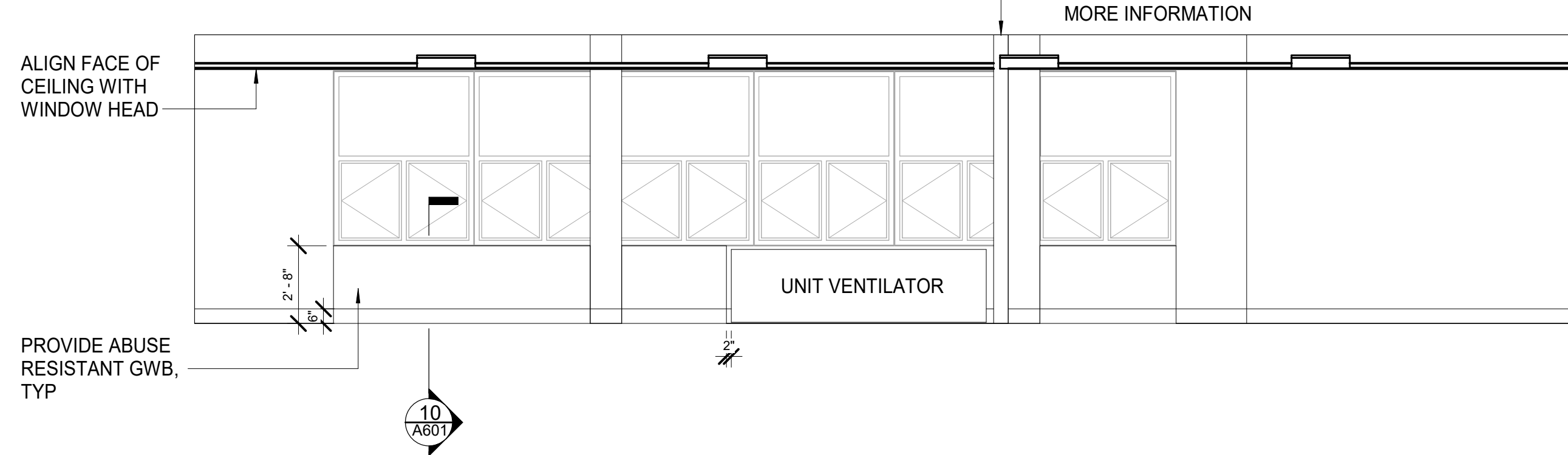
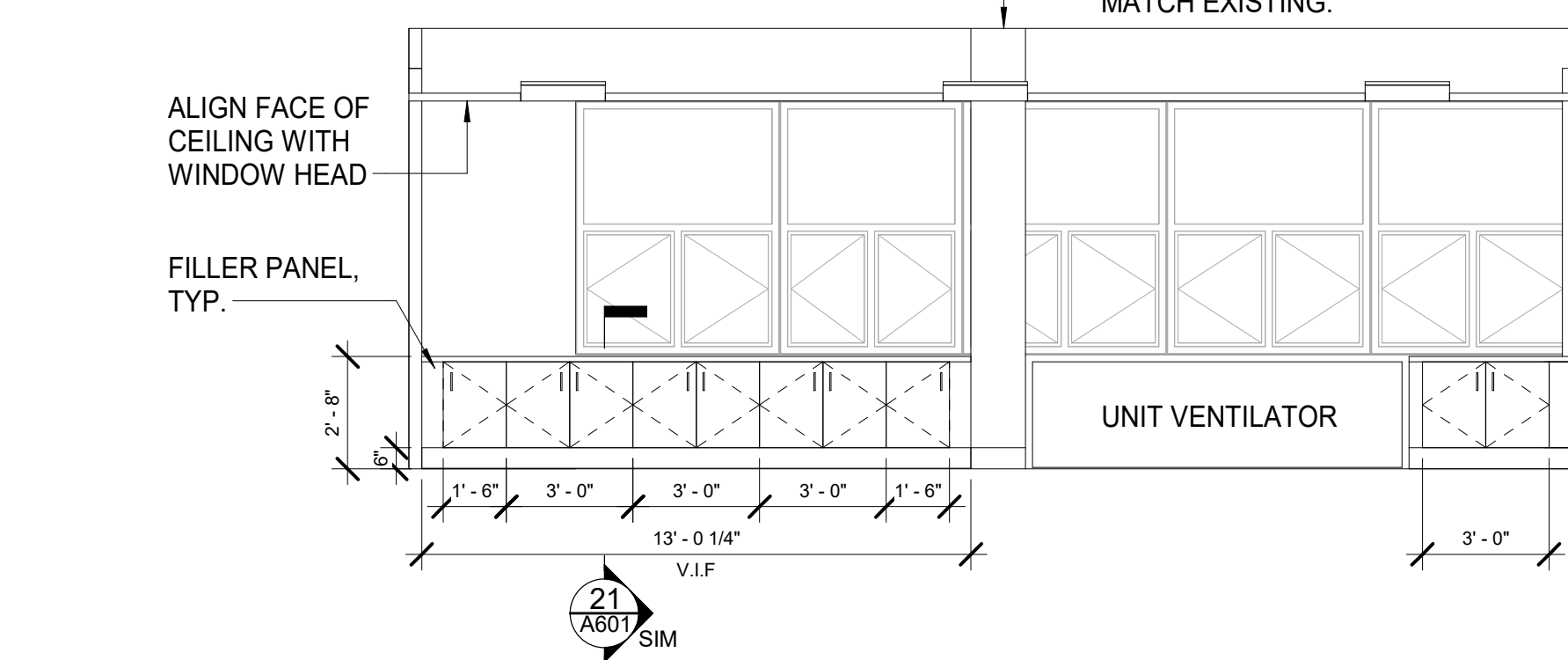
1/4" = 1'-0"

11

WINDOW WALL ELEVATION @ HS - 206

1/4" = 1'-0"

10



KEY NOTES

- 1 BASE SCOPE - REMOVE EXISTING CEILING SHEETROCK AND ALL CEILING-MOUNTED DEVICES. ADD-ALT 3 - MAINTAIN EXISTING CEILING FRAMING.
- 2 EXISTING ACCESS PANEL TO BE REMOVED. TYP.

ARCHITECT

MEMASI

2 LYON PLACE  
WHITE PLAINS, NY 10601  
914.915.9519  
MEMASIDESIGN.COM

STRUCTURAL CONSULTANT

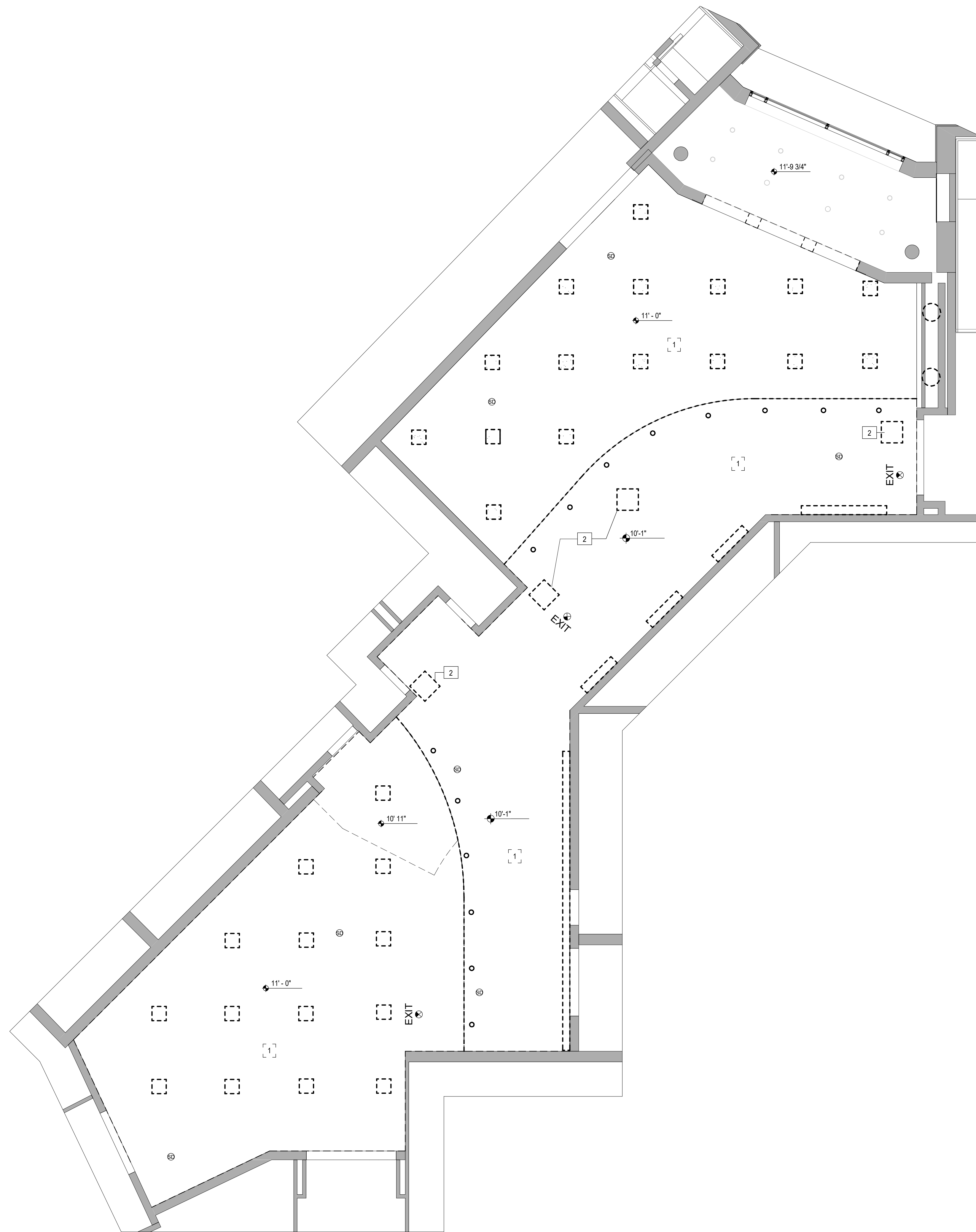
REILLY TARANTINO ENGINEERING  
100 PARK BLVD, SUITE 209  
MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT

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STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT

WSP  
ONE PENN PLAZA  
250 W 34TH ST., 4TH FLOOR  
NEW YORK, NY 10014



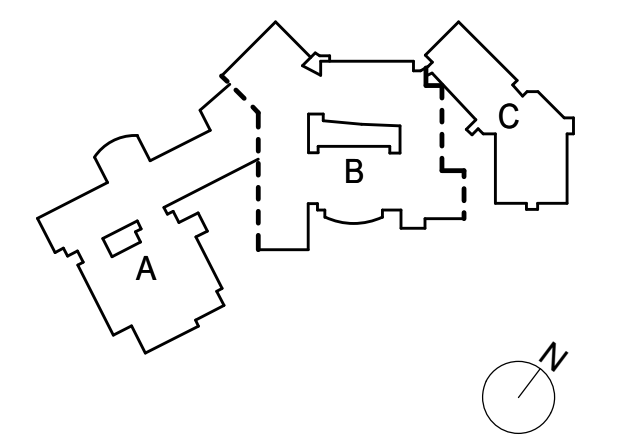
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BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



PROJECT NO.	66-03-01-03-0-003-031
MEMASI PROJECT NO.	102-2301

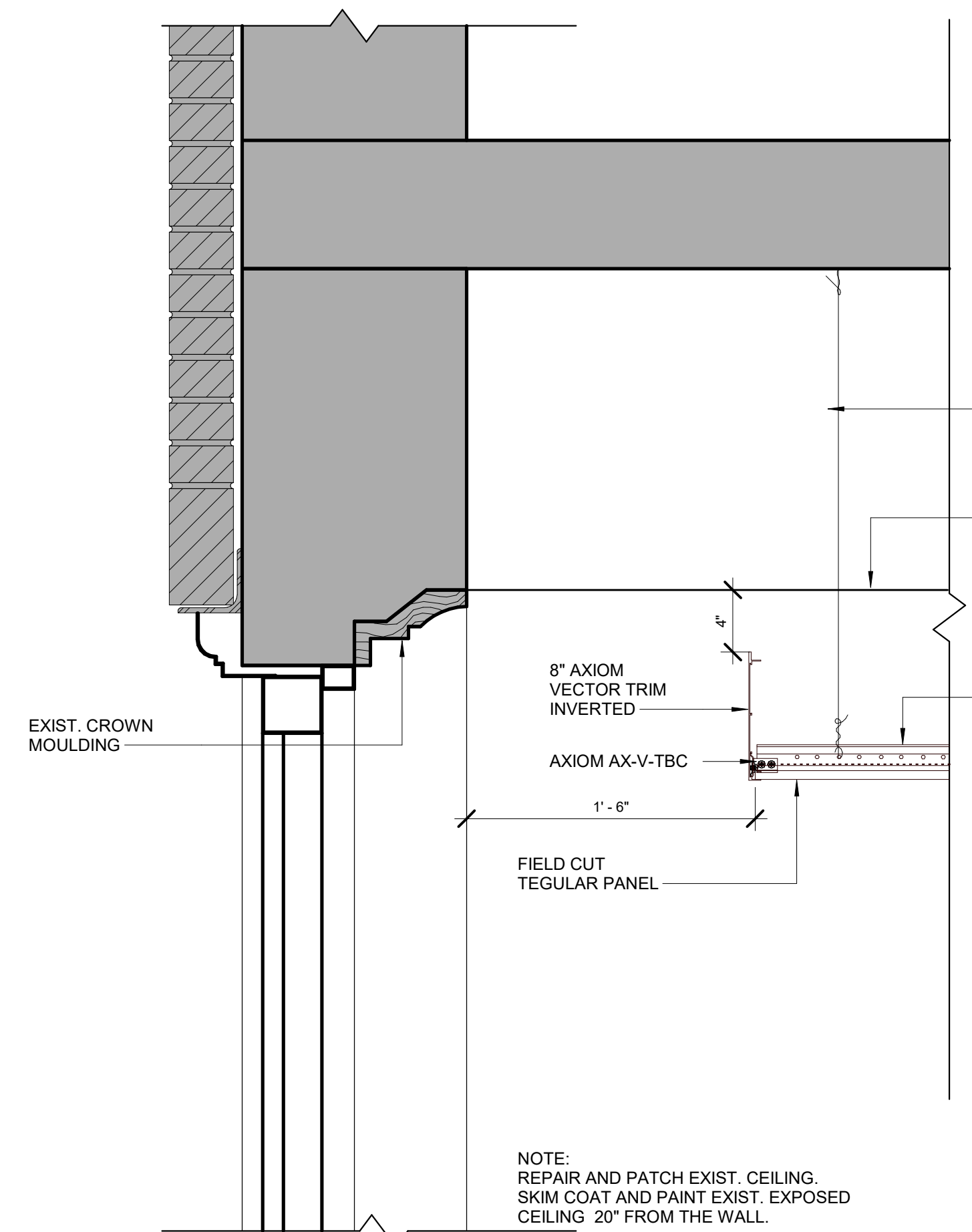
DEMO  
REFLECTED  
CEILING PLAN-  
MAIN ENTRANCE  
LOBBY

A401

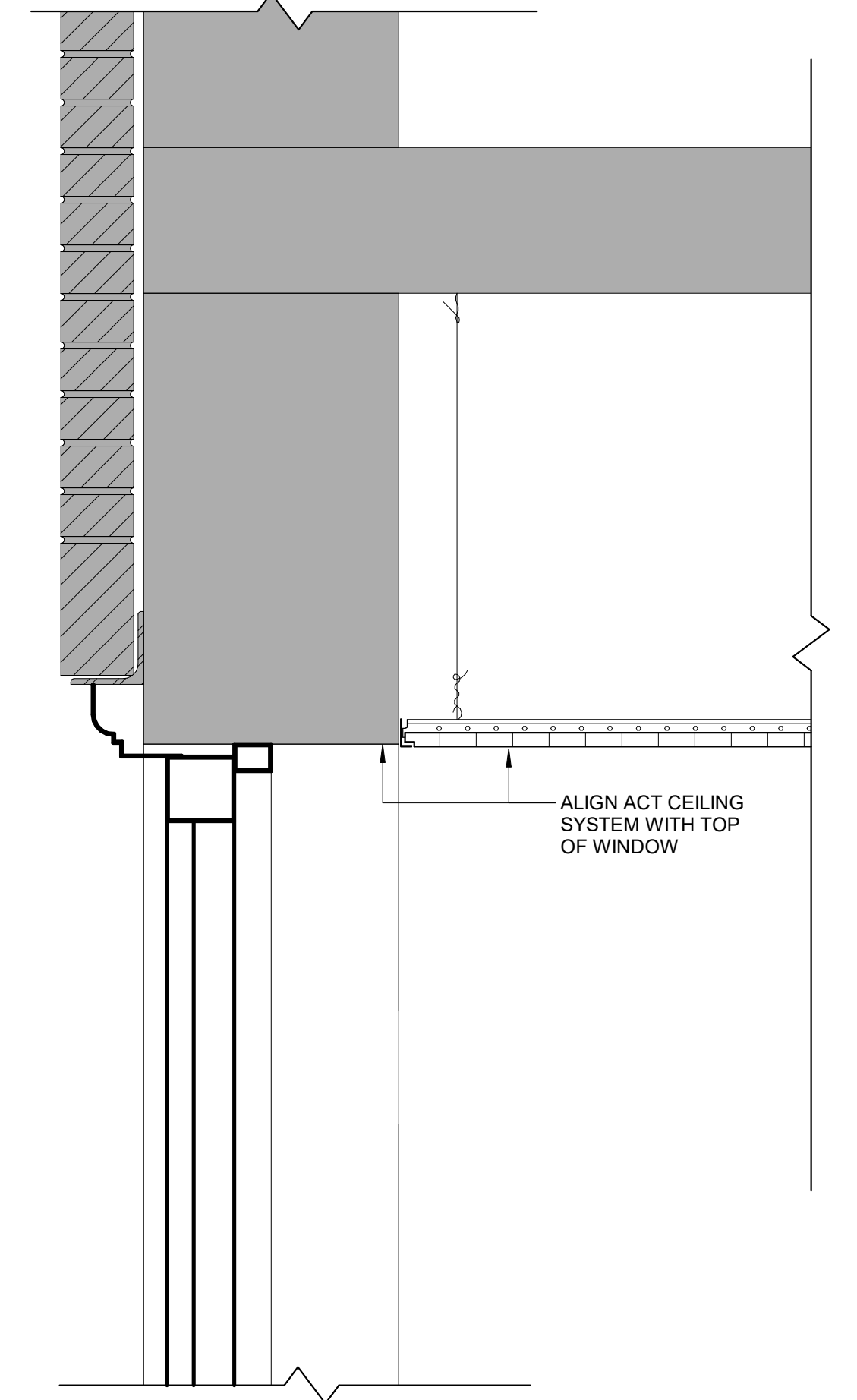
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DEMO REFLECTED CEILING PLAN- MAIN ENTRANCE LOBBY  
3/16" = 1'-0"

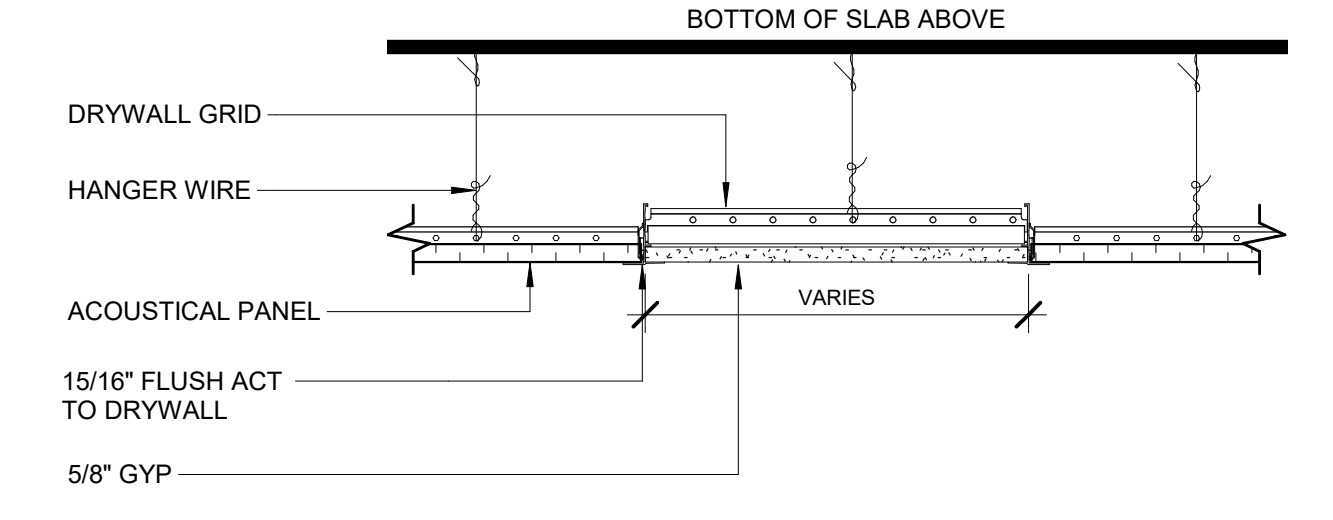




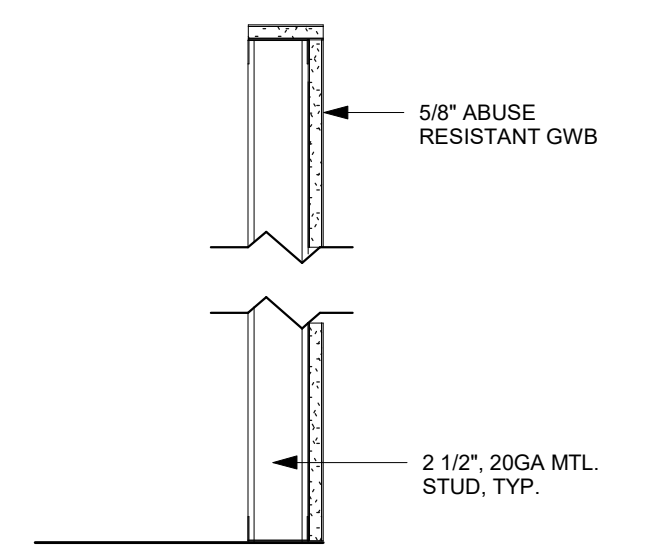
SOFFIT DETAIL 1 1/2" = 1'-0" 33



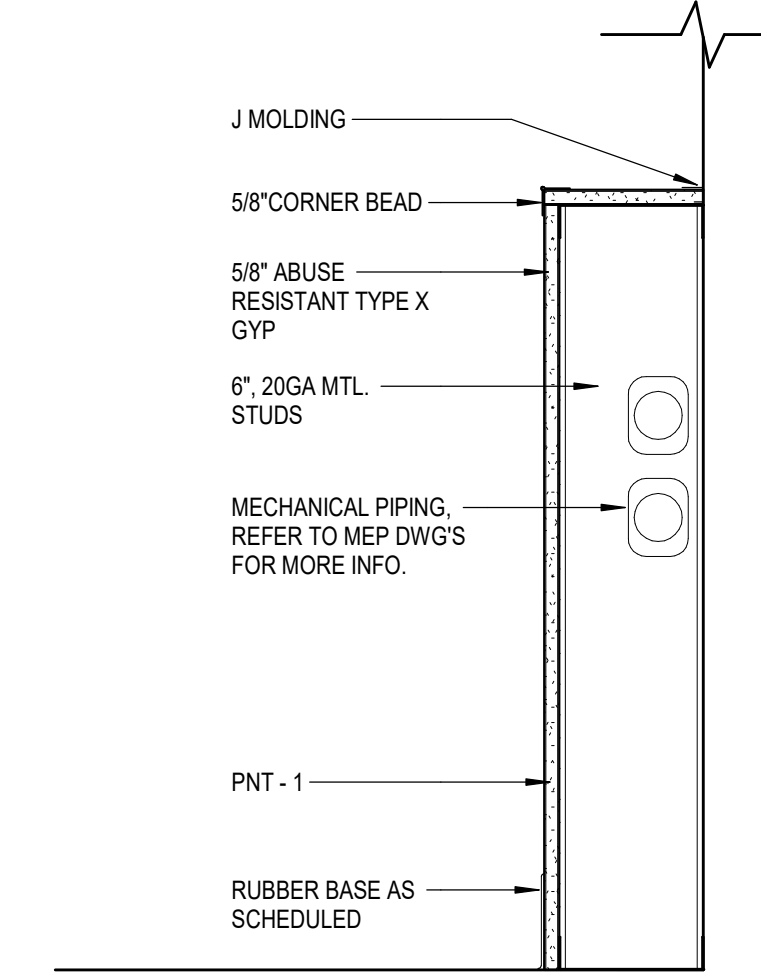
SOFFIT DETAIL 1 1/2" = 1'-0" 32



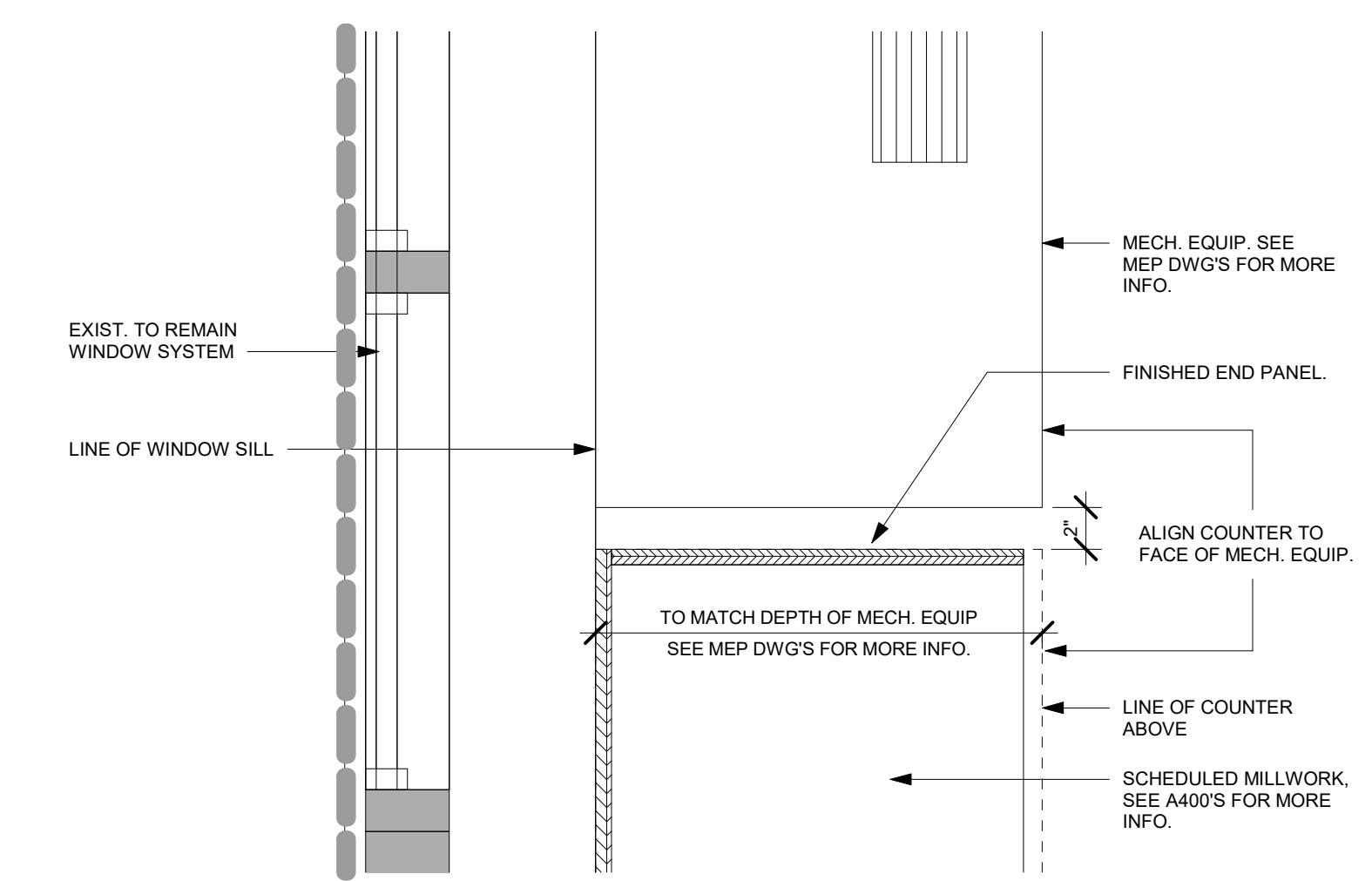
ACT TO DRYWALL TRANSITION 1 1/2" = 1'-0" 41



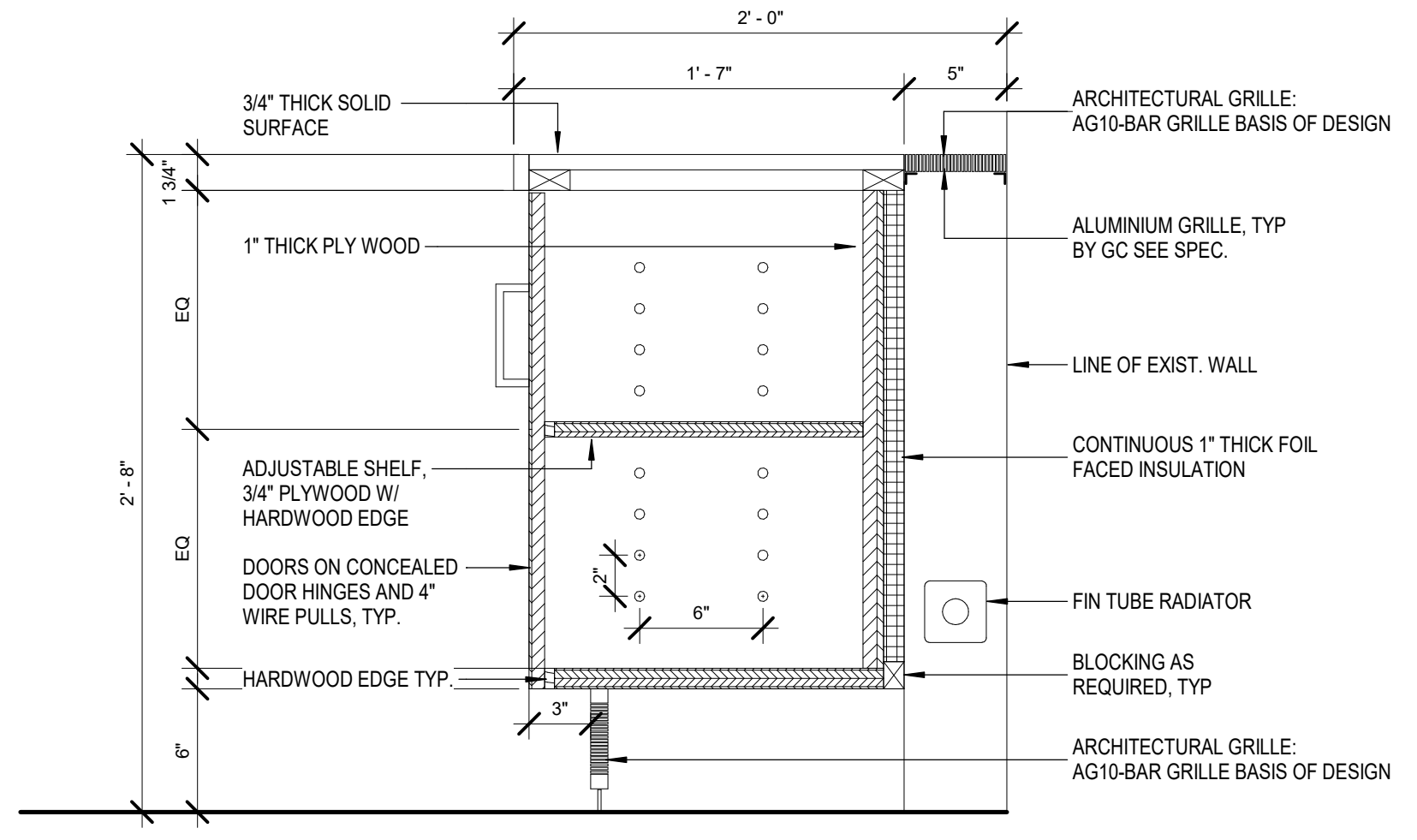
5/8" GWB ON MTL. STUD 1 1/2" = 1'-0" 40



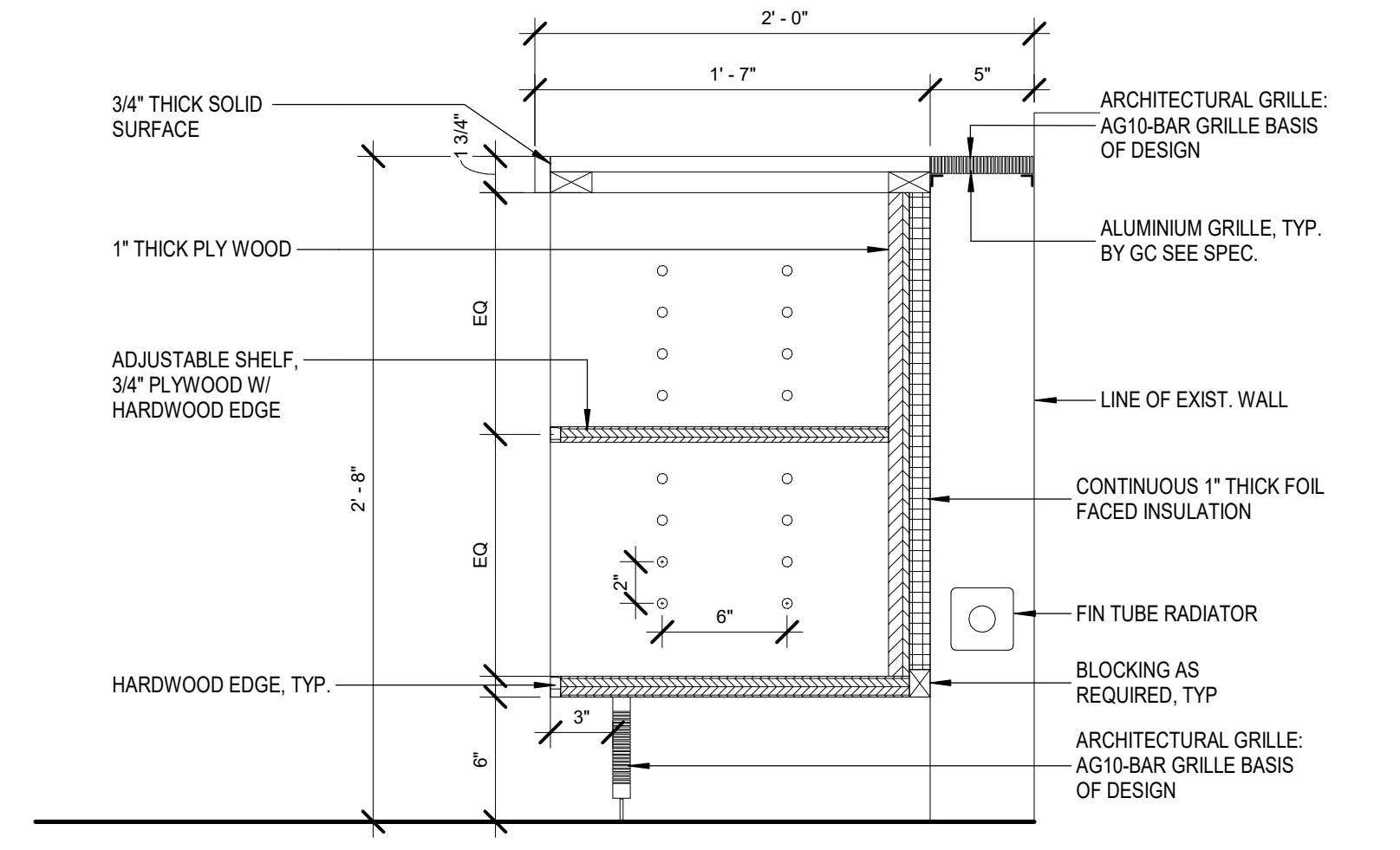
DTL AT KNEE WALL 1 1/2" = 1'-0" 31



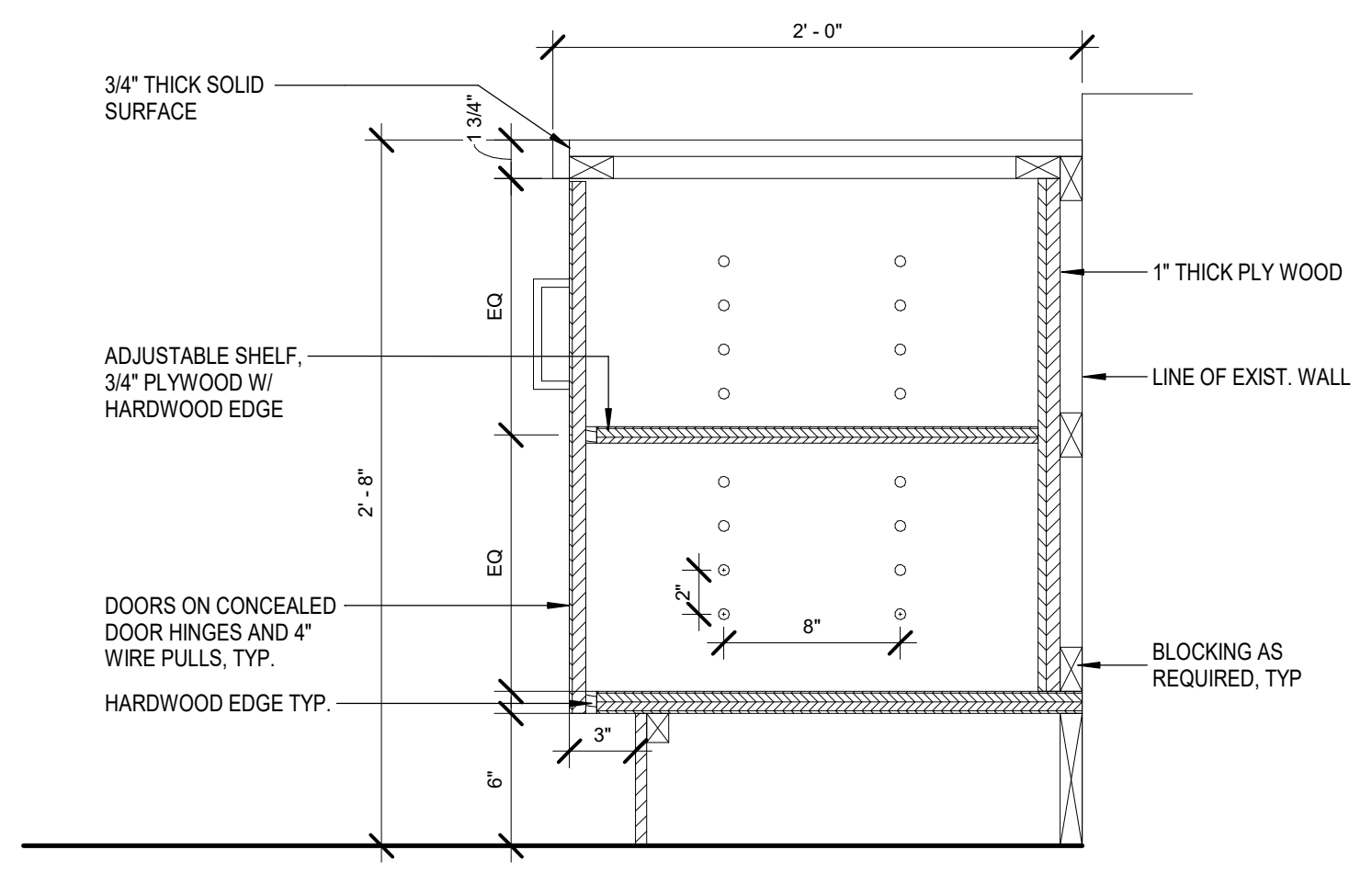
DTL AT COUNTER TO UV TYP. 1 1/2" = 1'-0" 30



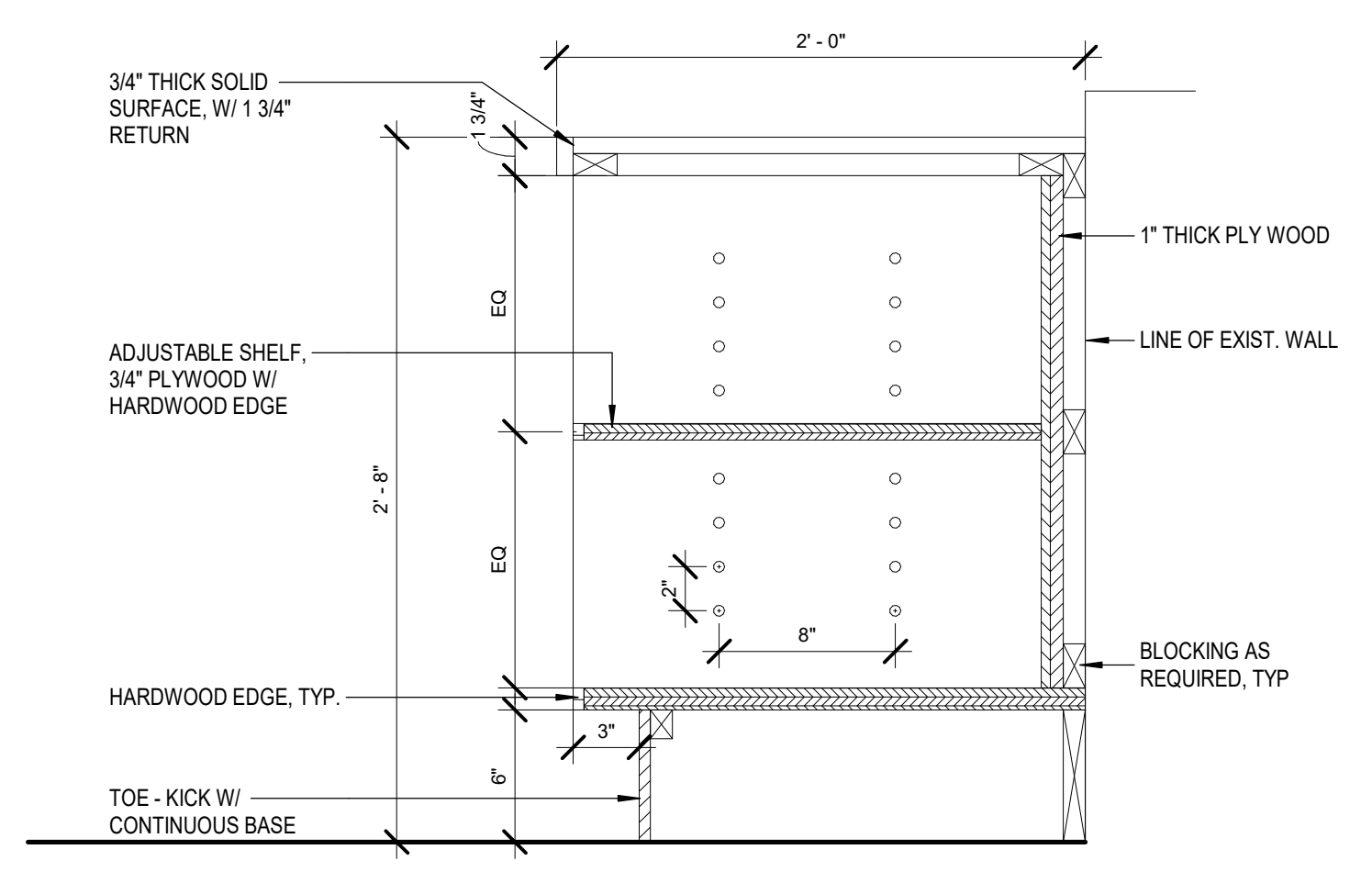
CASEWORK DTL - CLOSED SHELVING 1 1/2" = 1'-0" 23



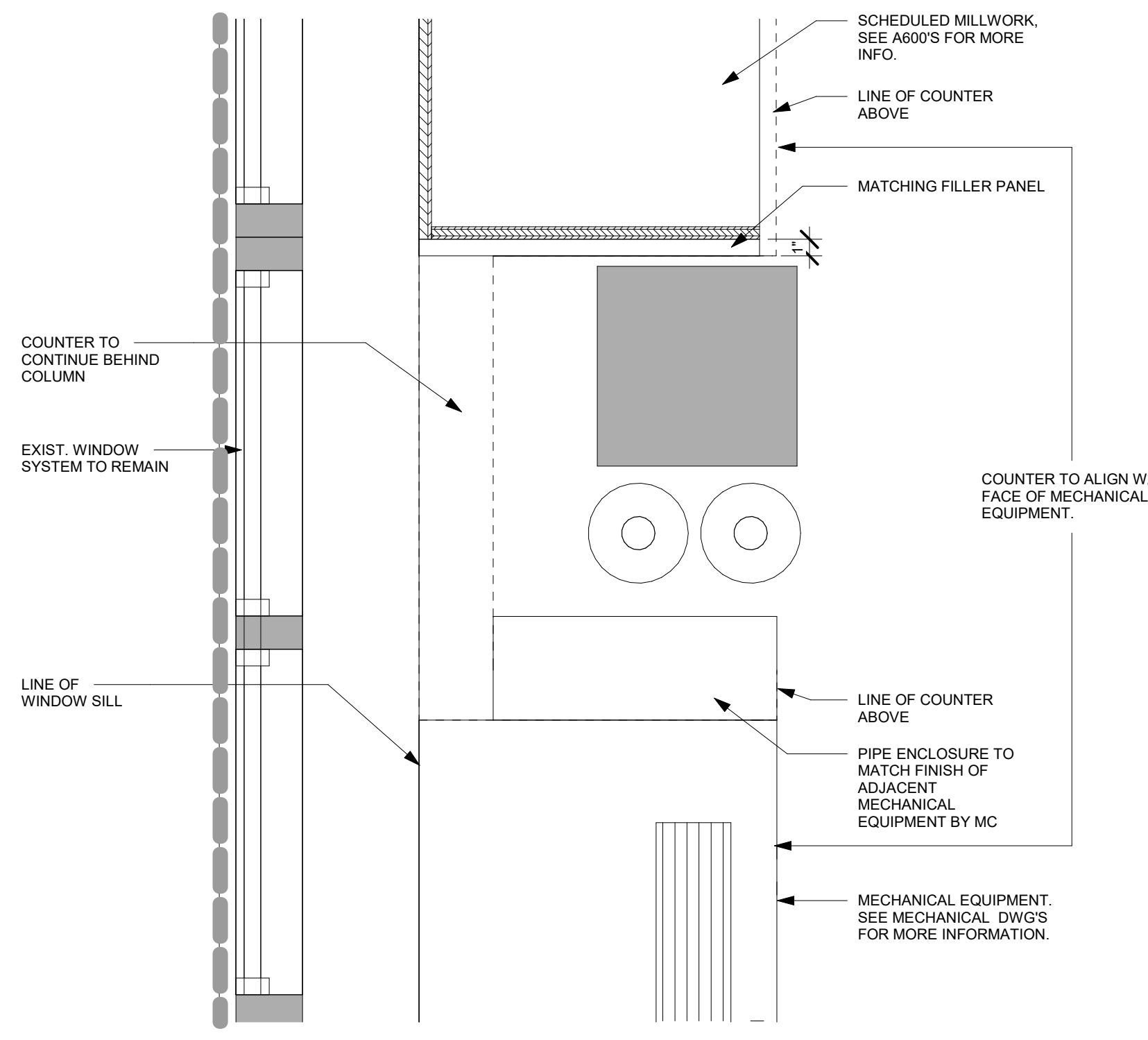
CASEWORK DTL - OPEN SHELVING 1 1/2" = 1'-0" 22



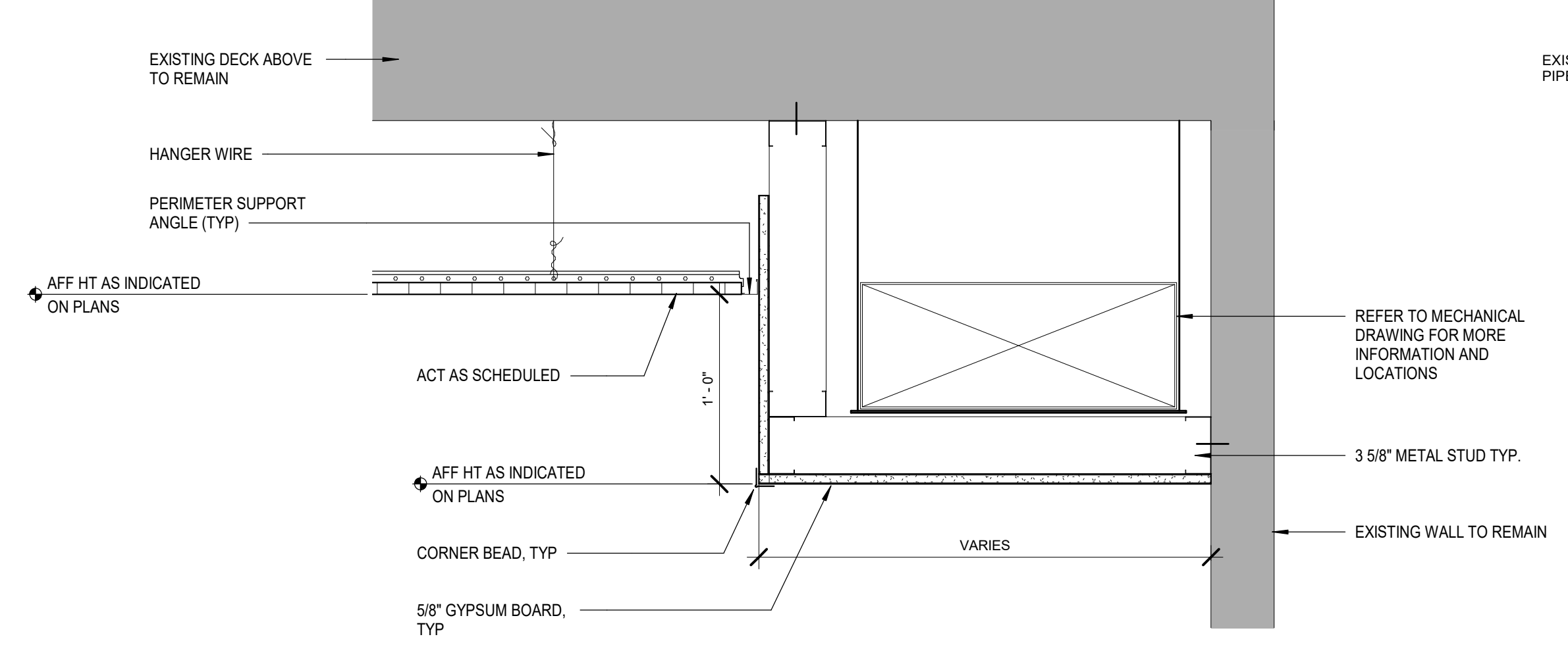
CLOSED SHELVING - CASEWORK DTL 1 1/2" = 1'-0" 21



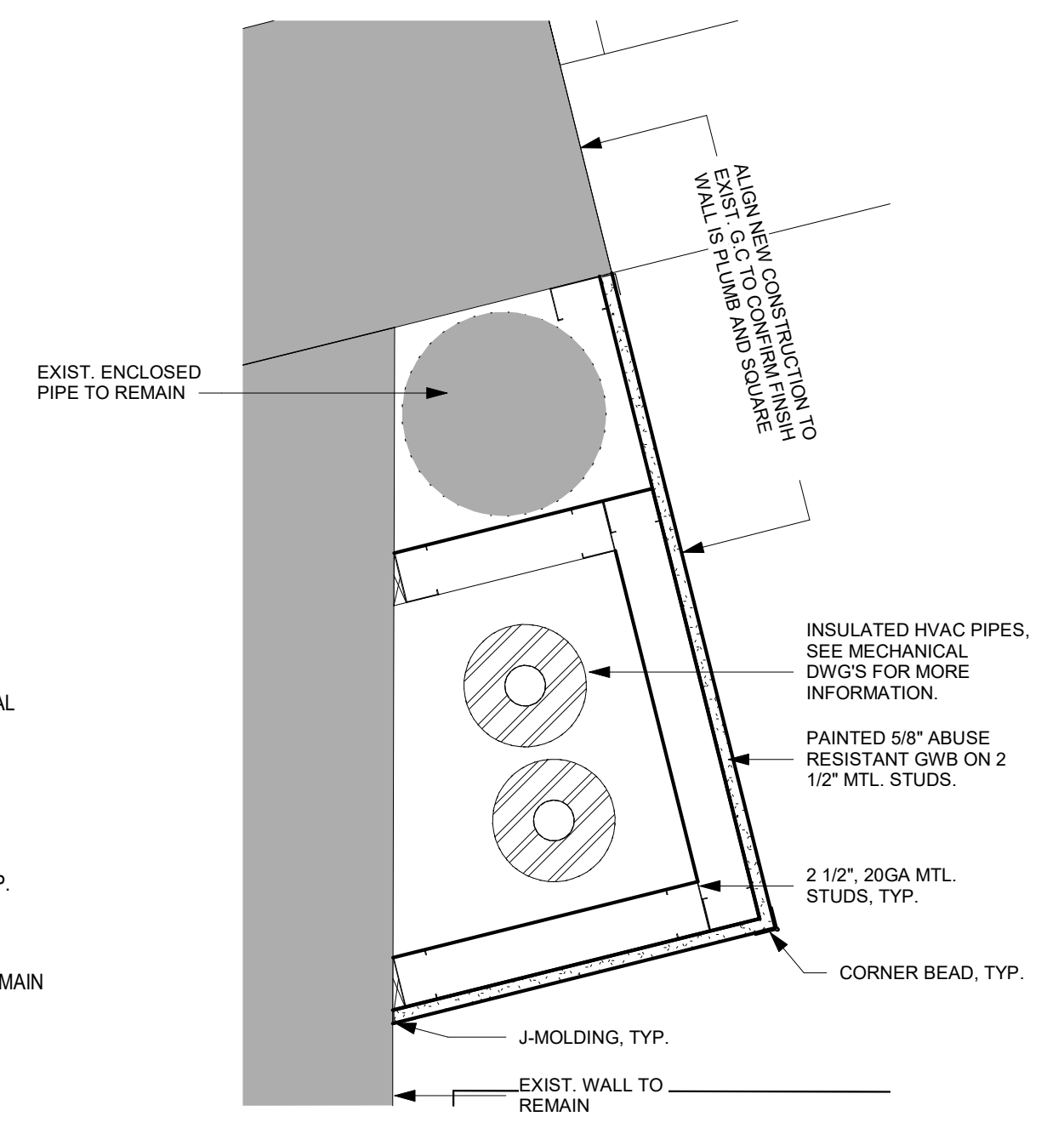
OPEN SHELVING - CASEWORK DTL 1 1/2" = 1'-0" 20



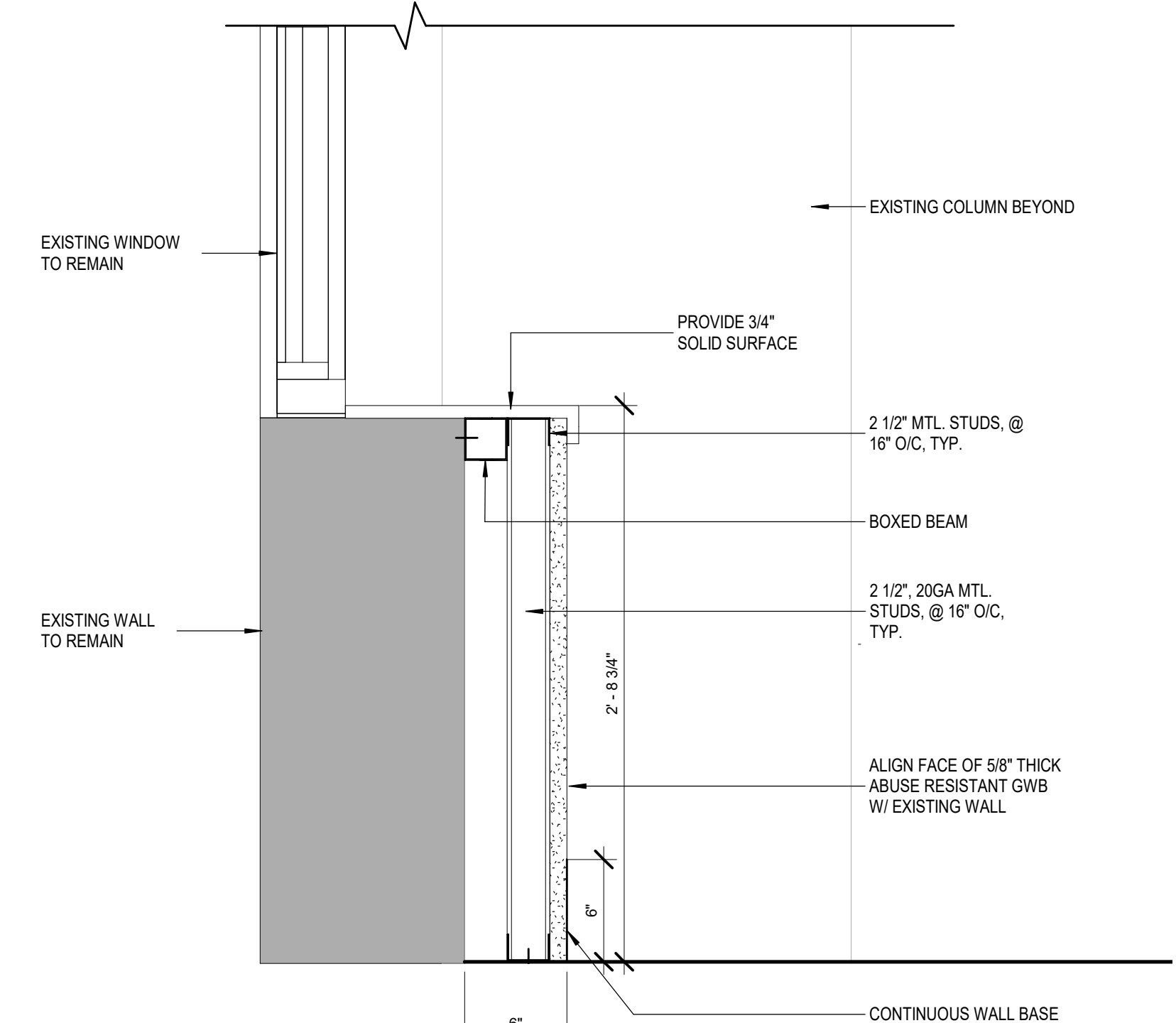
CASEWORK DTL @ COLUMN 1 1/2" = 1'-0" 13



SOFFIT DTL 1 1/2" = 1'-0" 12



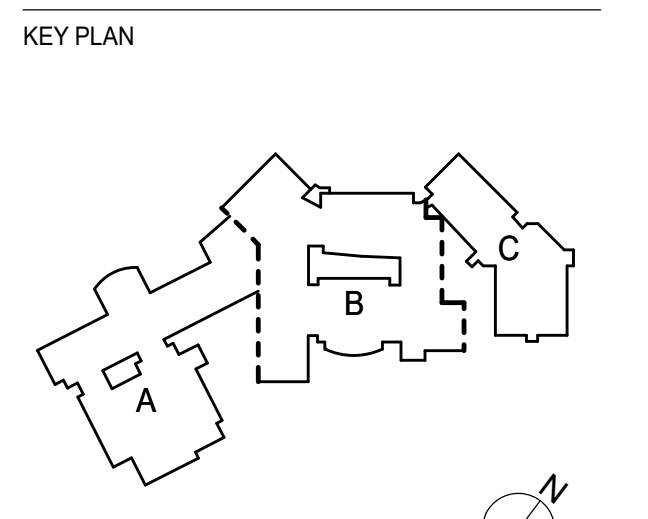
DTL @ BAND ROOM - M113 BY GC 1 1/2" = 1'-0" 11



DTL @ CHORUS ROOM - M111 1 1/2" = 1'-0" 10

EXPIRATION DATE: 2/29/2024 IT IS A VIOLATION OF NEW YORK STATE LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY...

BID SET 12/18/2023 ISSUE DATE



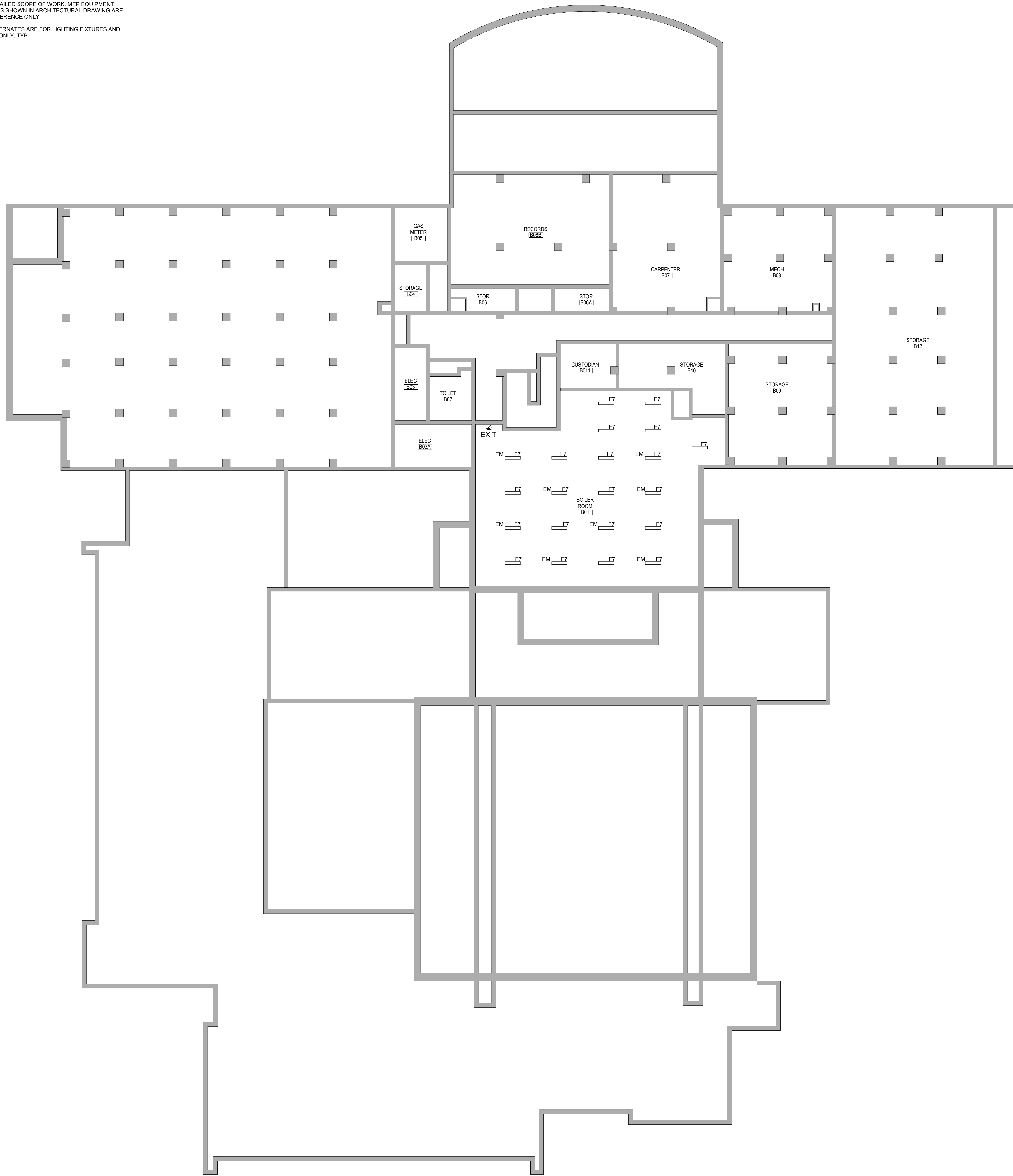
PROJECT NO. 66-03-01-03-0-03-031 MEMASI PROJECT NO. 102-2301

PLAN & MILLWORK DETAILS

**SHEET NOTES**

- A. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING FOR DETAILED SCOPE OF WORK. MEP EQUIPMENT / FIXTURES SHOWN IN ARCHITECTURAL DRAWING ARE FOR REFERENCE ONLY.
- B. ADD ALTERNATES ARE FOR LIGHTING FIXTURES AND CEILING ONLY, TYP.

**KEY NOTES**



OVERALL REFLECTED CEILING PLAN - BASEMENT - AREA A

**EASTCHESTER UNION FREE SCHOOL DISTRICT**

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

ARCHITECT  
**MEMASI**  
 2 LYON PLACE  
 WHITE PLAINS, NY 10601  
 914.915.9519  
 MEMASIDESIGN.COM

STRUCTURAL CONSULTANT  
**REILLY TARANTINO ENGINEERING**  
 100 PARK BLVD, SUITE 209  
 MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
**STANTEC**  
 30 OAK STREET, SUITE 400  
 STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT  
**WSP**  
 ONE PENN PLAZA  
 250 W 34TH ST., 4TH FLOOR  
 NEW YORK, NY 10014

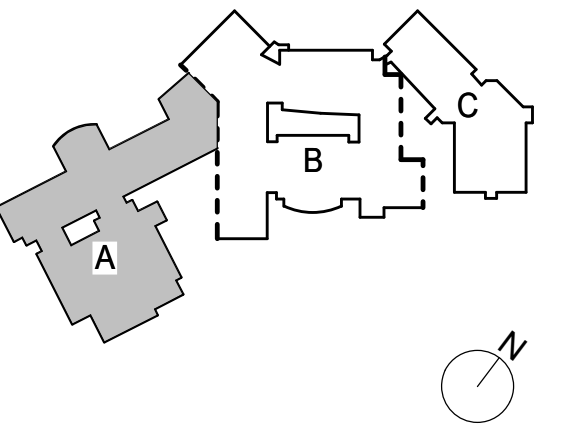
EXPIRATION DATE: 2/29/2024

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BID SET 12/18/2023  
 ISSUE DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
 MEMASI PROJECT NO. 102-2301

**OVERALL REFLECTED CEILING PLAN - BASEMENT - AREA A**

**A800-A**

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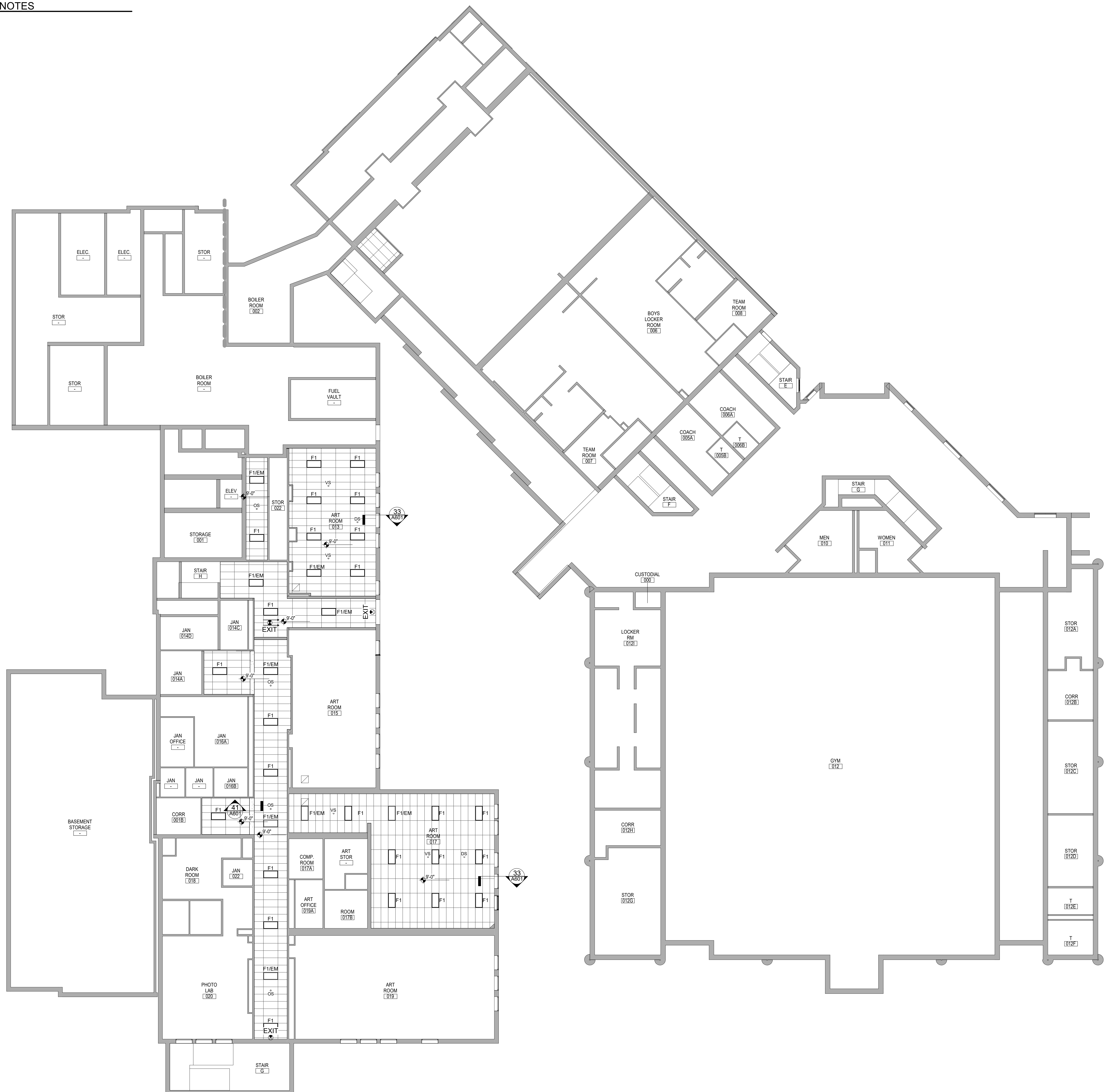
**SHEET NOTES**

- A. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING FOR DETAILED SCOPE OF WORK. MEP EQUIPMENT / FIXTURES SHOWN IN ARCHITECTURAL DRAWING ARE FOR REFERENCE ONLY.
- B. IN SOME LOCATIONS THERE ARE PLASTER CEILING WHICH REMAIN ABOVE THE ACOUSTIC TILE GRID. GENERAL CONTRACTOR WILL CUT ACCESS HOLES WHERE NECESSARY TO ENABLE INSTALLATION OF THEIR HANGERS FOR NEW CEILING TO STRUCTURE ABOVE.
- C. ADD ALTERNATES ARE FOR LIGHTING FIXTURES AND CEILING ONLY, TYP.

**KEY NOTES**

**CEILING LEGEND**

- GYPSUM BOARD CEILING
  - 2 X 4' ACOUSTICAL CEILING TILE
  - CEILING HEIGHT ABOVE FINISHED FLOOR
- ELECTRICAL EQUIPMENT.** REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION:
- 2X4 LIGHT FIXTURE
  - 2X2 LIGHT FIXTURE
  - CEILING MOUNTED OCCUPANCY SENSOR
  - CEILING MOUNTED VACANCY SENSOR
  - CEILING MOUNTED DAYLIGHT ZONE SENSOR
  - RECESSED DOWN LIGHTS
- MECHANICAL EQUIPMENT.** REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION:
- HVAC SUPPLY GRILLE
  - HVAC RETURN GRILLE



OVERALL REFLECTED CEILING PLAN - BASEMENT - AREA B - C  
3/32" = 1'-0"

**EASTCHESTER UNION FREE SCHOOL DISTRICT**

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

ARCHITECT  
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MEMASIDESIGN.COM

STRUCTURAL CONSULTANT  
**REILLY TARANTINO ENGINEERING**  
100 PARK BLVD, SUITE 209  
MASSAPEQUA PARK, NY 11762

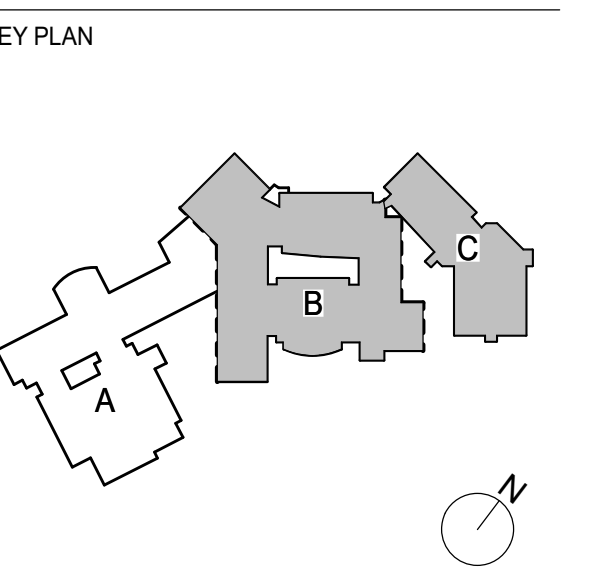
MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
**STANTEC**  
30 OAK STREET, SUITE 400  
STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT  
**WSP**  
ONE FENN PLAZA  
250 W 34TH ST., 4TH FLOOR  
NEW YORK, NY 10014

EXPIRATION DATE: 2/29/2024

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ISSUE DATE



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**OVERALL REFLECTED CEILING PLAN - BASEMENT - AREA B - C**

**A800-B**  
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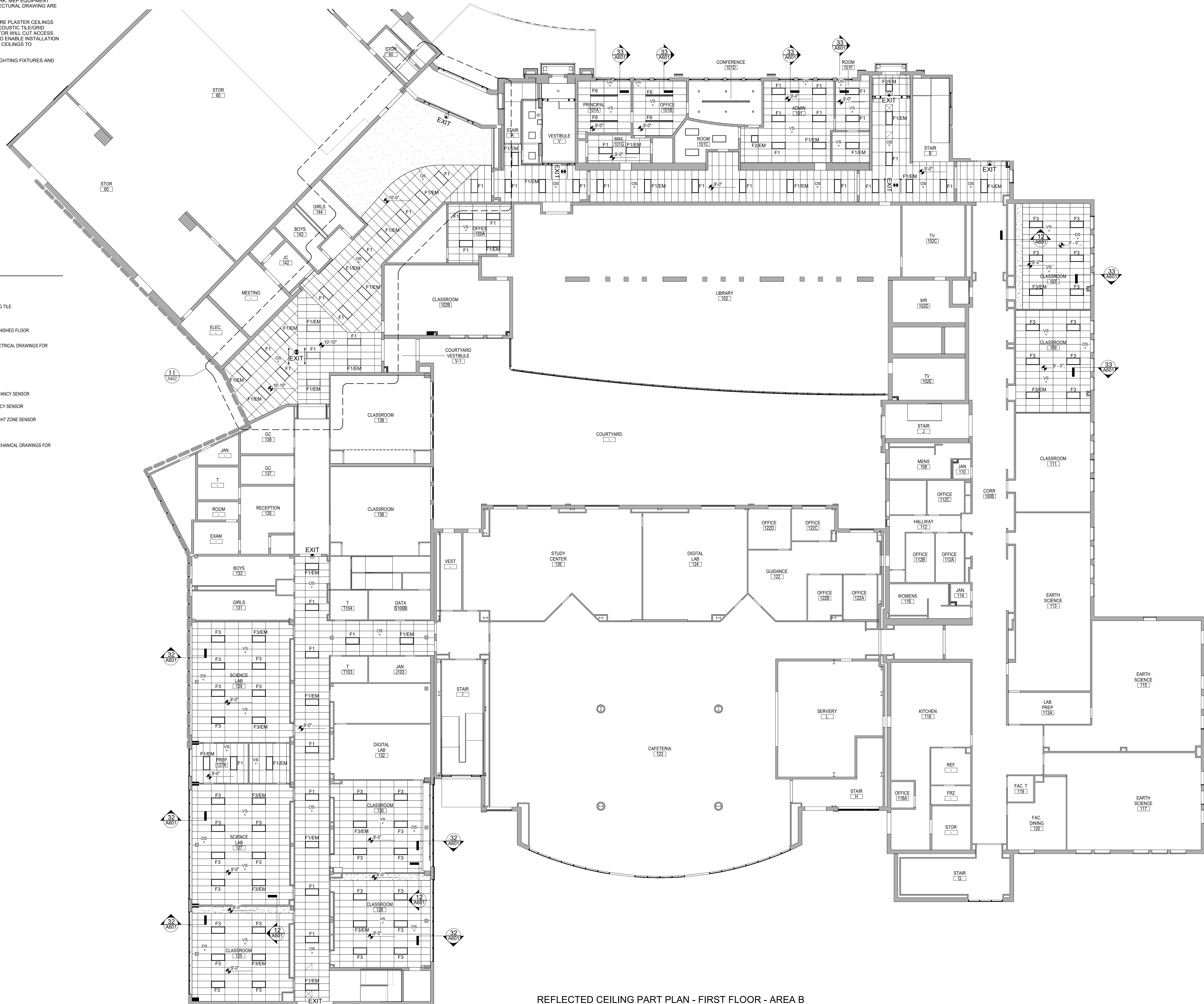
**SHEET NOTES**

- A. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING FOR DETAILED SCOPE OF WORK. MEP EQUIPMENT /FIXTURES SHOWN IN ARCHITECTURAL DRAWING ARE FOR REFERENCE ONLY.
- B. IN SOME LOCATIONS THERE ARE PLASTER CEILINGS WHICH REMAIN ABOVE THE ACOUSTIC TILE GRID. GENERAL CONTRACTOR WILL CUT ACCESS HOLES WHERE NECESSARY TO ENABLE INSTALLATION OF THEIR HANGERS FOR NEW CEILINGS TO STRUCTURE ABOVE.
- C. ADD ALTERNATES ARE FOR LIGHTING FIXTURES AND CEILING ONLY, TYP.

**KEY NOTES**

**CEILING LEGEND**

- GYPSUM BOARD CEILING
  - 2 X 4 ACOUSTICAL CEILING TILE
  - CEILING HEIGHT ABOVE FINISHED FLOOR
- ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.**
- 2'X4' LIGHT FIXTURE
  - 2'X2' LIGHT FIXTURE
  - CEILING MOUNTED OCCUPANCY SENSOR
  - CEILING MOUNTED VACANCY SENSOR
  - CEILING MOUNTED DAYLIGHT ZONE SENSOR
  - RECESSED DOWN LIGHTS
- MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.**
- HVAC SUPPLY GRILLE
  - HVAC RETURN GRILLE



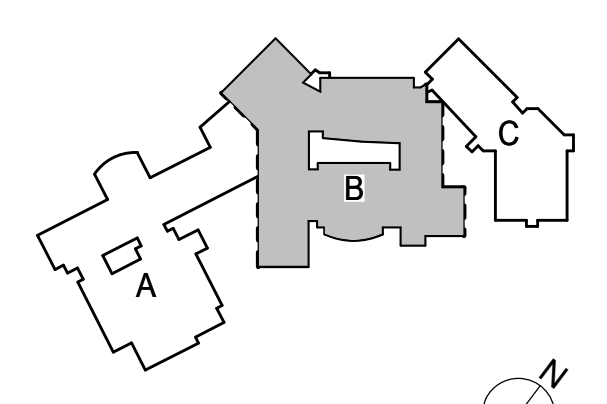
REFLECTED CEILING PART PLAN - FIRST FLOOR - AREA B

3/32" = 1'-0"

EXPIRATION DATE: 2/29/2024  
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BID SET 12/18/2023  
ISSUE DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**REFLECTED CEILING PART PLAN - FIRST FLOOR - AREA B**

**A801-B**

**SHEET NOTES**

- A. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING FOR DETAILED SCOPE OF WORK. MEP EQUIPMENT / FIXTURES SHOWN IN ARCHITECTURAL DRAWING ARE FOR REFERENCE ONLY.
- B. ALIGN FACE OF ACT WITH ADJAENT WINDOW HEAD.
- C. IN SOME LOCATIONS THERE ARE PLASTER CEILINGS WHICH REMAIN ABOVE THE ACOUSTIC TILE/GRID CEILING. GENERAL CONTRACTOR WILL CUT ACCESS HOLES WHERE NECESSARY TO ENABLE INSTALLATION OF THEIR HANGERS FOR NEW CEILINGS TO STRUCTURE ABOVE.
- D. ADD ALTERNATES ARE FOR LIGHTING FIXTURES AND CEILING ONLY, TYP.

**KEY NOTES**

**EASTCHESTER UNION FREE SCHOOL DISTRICT**

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

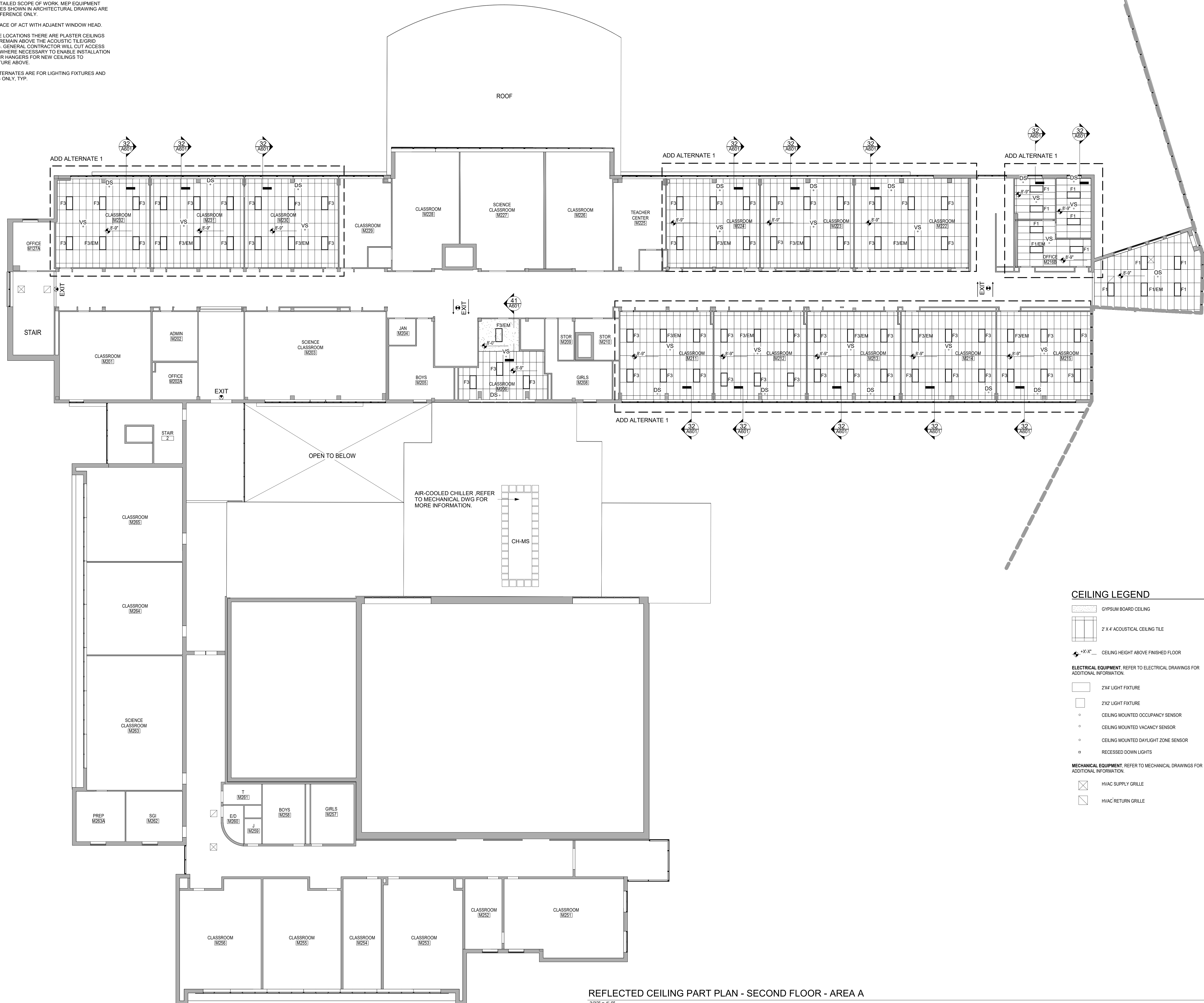
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WHITE PLAINS, NY 10601  
914.915.9519  
MEMASIDESIGN.COM

STRUCTURAL CONSULTANT  
**REILLY TARANTINO ENGINEERING**  
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MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
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30 OAK STREET, SUITE 400  
STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT  
**WSP**  
ONE FENN PLAZA  
250 W 34TH ST., 4TH FLOOR  
NEW YORK, NY 10014



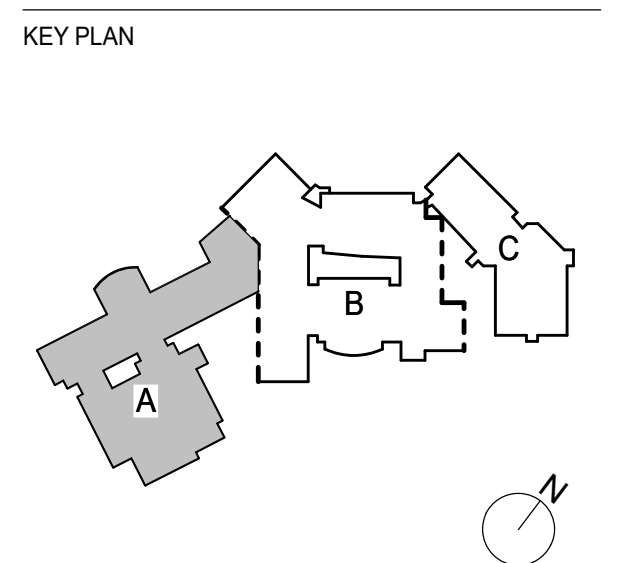
**CEILING LEGEND**

- GYPSUM BOARD CEILING
- 2 X 4' ACOUSTICAL CEILING TILE
- +X'-X" CEILING HEIGHT ABOVE FINISHED FLOOR
- ELECTRICAL EQUIPMENT** REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - 2X4' LIGHT FIXTURE
  - 2X2' LIGHT FIXTURE
  - CEILING MOUNTED OCCUPANCY SENSOR
  - CEILING MOUNTED VACANCY SENSOR
  - CEILING MOUNTED DAYLIGHT ZONE SENSOR
  - RECESSED DOWN LIGHTS
- MECHANICAL EQUIPMENT** REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - HVAC SUPPLY GRILLE
  - HVAC RETURN GRILLE

EXPIRATION DATE: 2/29/2024

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BID SET	12/18/2023
ISSUE	DATE



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**REFLECTED CEILING PART PLAN- SECOND FLOOR - AREA A**

**A802-A**  
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REFLECTED CEILING PART PLAN - SECOND FLOOR - AREA A  
3/32" = 1'-0"

**SHEET NOTES**

- A. SEE FINISH PLANS FOR CEILING TYPE.
- B. GENERAL CONTRACTOR TO TEMPORARILY SUPPORT ABOVE CEILING INFRASTRUCTURE AFTER CEILING REMOVAL. COORDINATE WITH OTHER TRADES.
- C. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING FOR DETAILED SCOPE OF WORK. MEP EQUIPMENT / FIXTURES SHOWN IN ARCHITECTURAL DRAWING ARE FOR REFERENCE ONLY.
- D. IN SOME LOCATIONS THERE ARE PLASTER CEILINGS WHICH REMAIN ABOVE THE ACOUSTIC TILE/GRID CEILING. GENERAL CONTRACTOR WILL CUT ACCESS HOLES WHERE NECESSARY TO ENABLE INSTALLATION OF THEIR HANGERS FOR NEW CEILINGS TO STRUCTURE ABOVE.
- E. ADD ALTERNATES ARE FOR LIGHTING FIXTURES AND CEILING ONLY, TYP.

**KEY NOTES**

**EASTCHESTER UNION FREE SCHOOL DISTRICT**

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

ARCHITECT  
**MEMASI**  
2 LYON PLACE  
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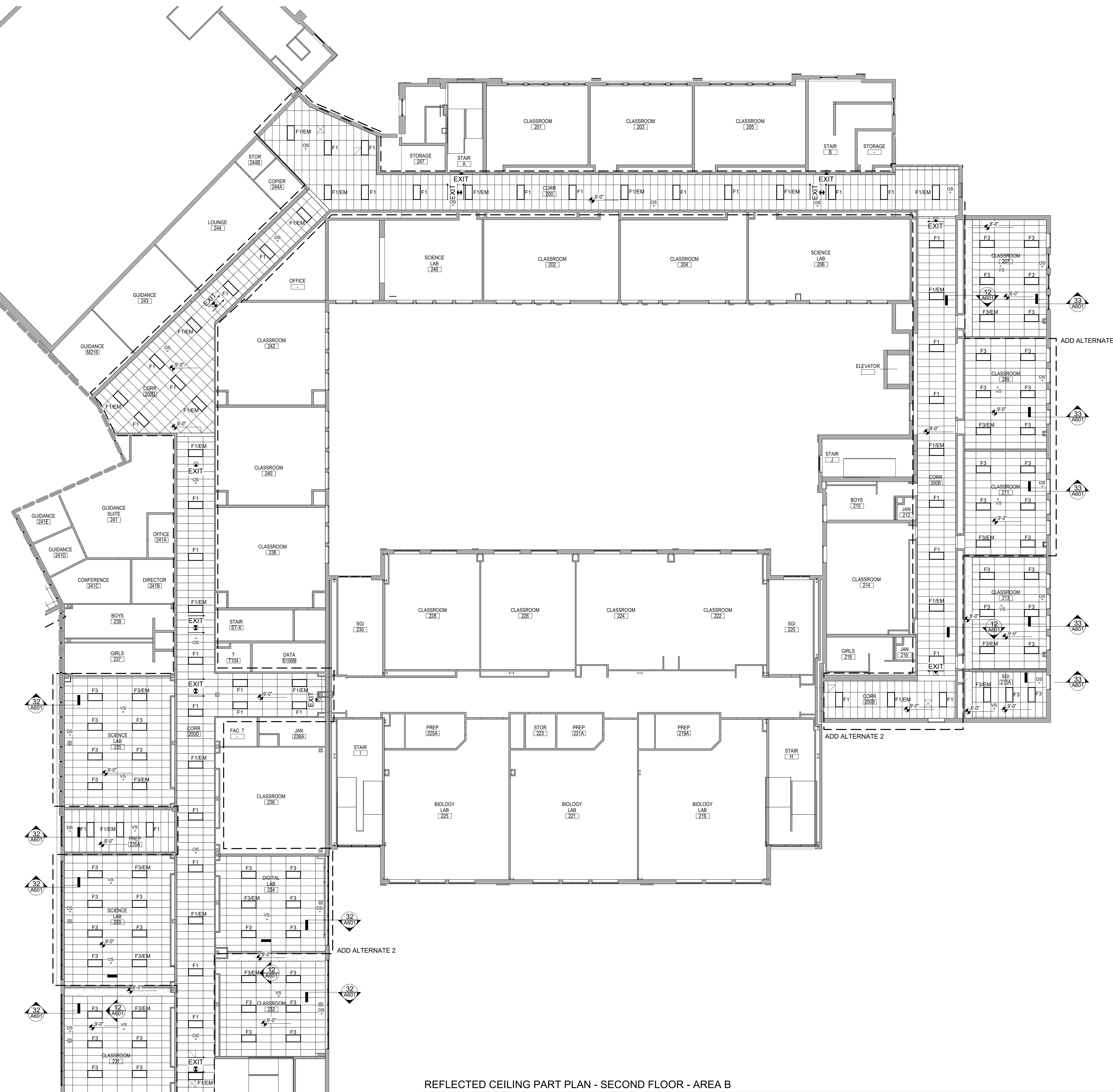
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**REILLY TARANTINO ENGINEERING**  
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MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
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STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT  
**WSP**  
ONE FENN PLAZA  
250 W 34TH ST, 4TH FLOOR  
NEW YORK, NY 10014

**CEILING LEGEND**

- GYPSUM BOARD CEILING
- 2 X 4 ACOUSTIC CEILING TILE
- CEILING HEIGHT ABOVE FINISHED FLOOR
- ELECTRICAL EQUIPMENT:** REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - 2X4 LIGHT FIXTURE
  - 2X2 LIGHT FIXTURE
  - CEILING MOUNTED OCCUPANCY SENSOR
  - CEILING MOUNTED VACANCY SENSOR
  - CEILING MOUNTED DAYLIGHT ZONE SENSOR
  - RECESSED DOWN LIGHTS
- MECHANICAL EQUIPMENT:** REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - HVAC SUPPLY GRILLE
  - HVAC RETURN GRILLE

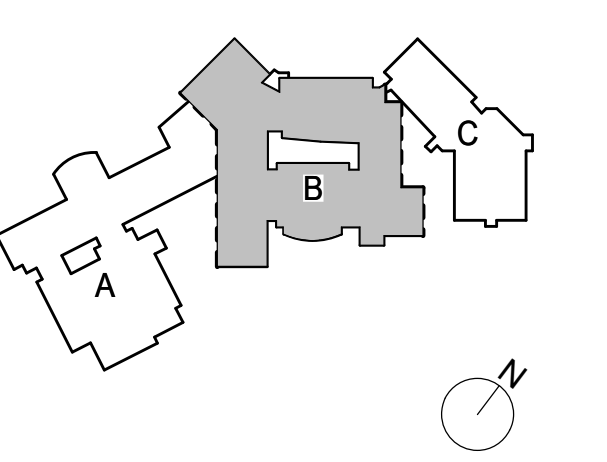


REFLECTED CEILING PART PLAN - SECOND FLOOR - AREA B  
3/32" = 1'-0"

EXPIRATION DATE: 2/29/2024  
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BID SET 12/18/2023  
ISSUE DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**REFLECTED CEILING PART PLAN - SECOND FLOOR - AREA B**

**A802-B**  
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**SHEET NOTES**

- A. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING FOR DETAILED SCOPE OF WORK. MEP EQUIPMENT /FIXTURES SHOWN IN ARCHITECTURAL DRAWING ARE FOR REFERENCE ONLY.
- B. IN SOME LOCATIONS THERE ARE PLASTER CEILINGS WHICH REMAIN ABOVE THE ACOUSTIC TILE GRID CEILING. GENERAL CONTRACTOR WILL CUT ACCESS HOLES WHERE NECESSARY TO ENABLE INSTALLATION OF THEIR HANGERS FOR NEW CEILINGS TO STRUCTURE ABOVE.
- C. ADD ALTERNATES ARE FOR LIGHTING FIXTURES AND CEILING ONLY, TYP.

**KEY NOTES**

**EASTCHESTER UNION FREE SCHOOL DISTRICT**

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

ARCHITECT  
**MEMASI**  
2 LYON PLACE  
WHITE PLAINS, NY 10601  
914.915.9519  
MEMASIDESIGN.COM

STRUCTURAL CONSULTANT  
**REILLY TARANTINO ENGINEERING**  
100 PARK BLVD, SUITE 209  
MASSAPEQUA PARK, NY 11762

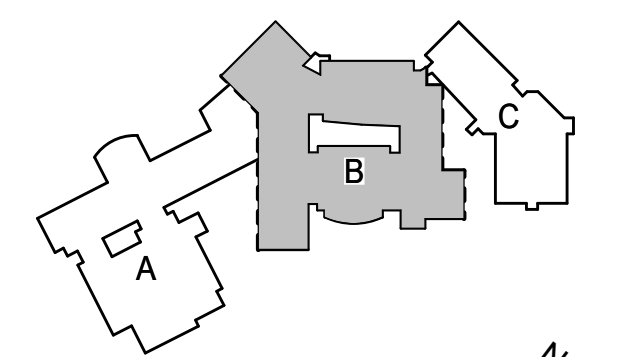
MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
**STANTEC**  
30 OAK STREET, SUITE 400  
STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT  
**WSP**  
ONE PENN PLAZA  
250 W 34TH ST, 4TH FLOOR  
NEW YORK, NY 10014

EXPIRATION DATE: 2/29/2024  
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ISSUE DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

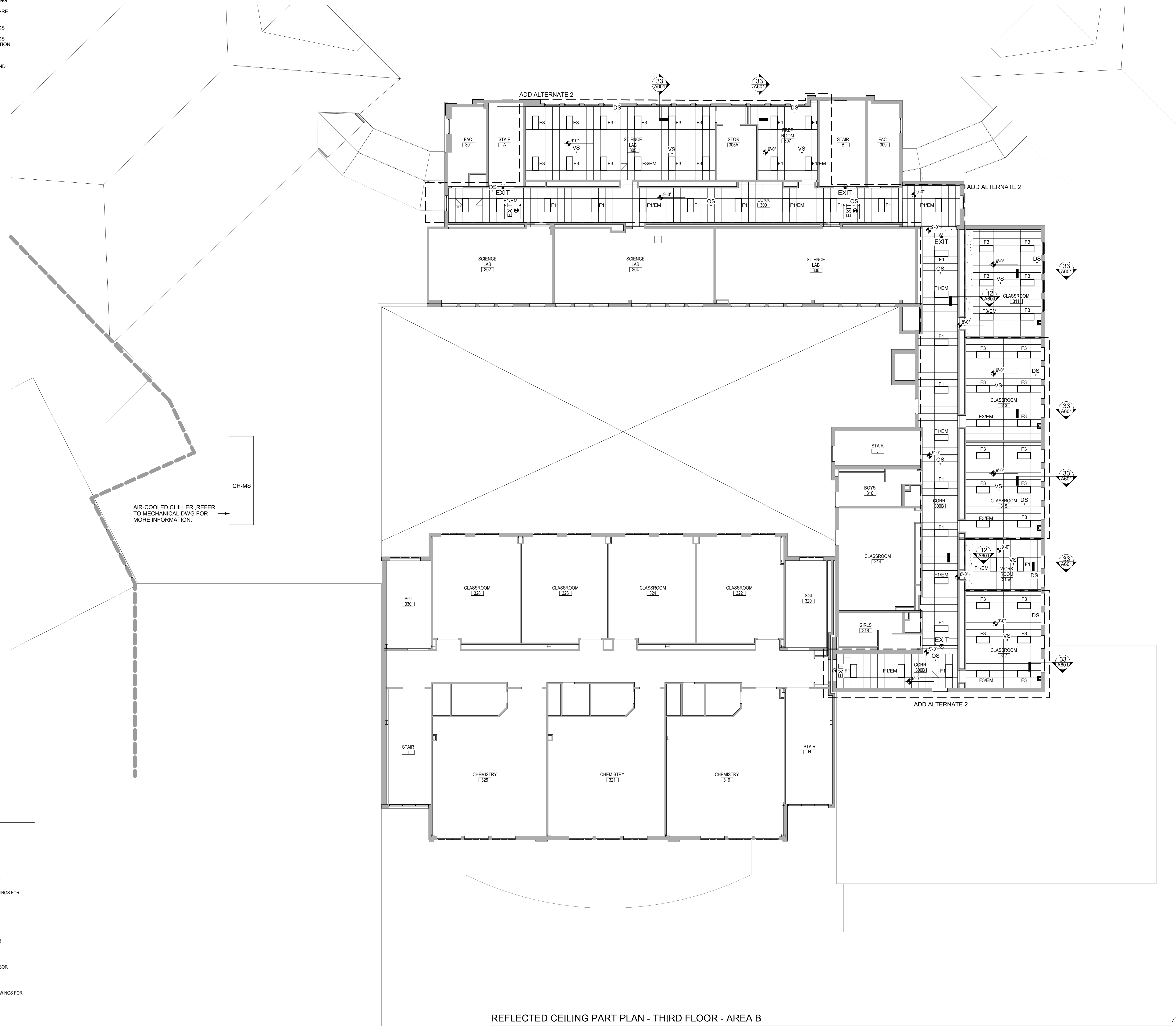
**REFLECTED CEILING PART PLAN - THIRD FLOOR - AREA B**

**A803-B**

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**CEILING LEGEND**

- GYPSUM BOARD CEILING
- 2' X 4' ACOUSTICAL CEILING TILE
- CEILING HEIGHT ABOVE FINISHED FLOOR
- ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.**
- 2'X4' LIGHT FIXTURE
- 2'X2' LIGHT FIXTURE
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED VACANCY SENSOR
- CEILING MOUNTED DAYLIGHT ZONE SENSOR
- RECESSED DOWN LIGHTS
- MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.**
- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE



REFLECTED CEILING PART PLAN - THIRD FLOOR - AREA B  
3/32" = 1'-0"



**SHEET NOTES**

A. ALL AREAS OF FLOOR ABATEMENT REMOVAL UNDER REMOVED MILLWORK AND UNIT VENTILATORS TO RECEIVE NEW LVT OR VCT TILE INFILLS TO MATCH EXISTING BY GC. REFER TO ABATEMENT DWGS FOR MORE INFORMATION.

**KEY NOTES**

**FINISH NOTE**

MANUFACTURER'S NAMES AND FINISH INFORMATION ARE INDICATED AS REFERENCE TO THE ARCHITECT'S BASIS-OF-DESIGN SELECTIONS AND HAVE BEEN DETERMINED PRIOR TO BID. THE CONTRACTOR AND OWNER ARE HEREBY NOTIFIED THAT FINISHES INSTALLED IN THE WORK ARE SUBJECT TO CHANGE IN RESPONSE TO SUBMITTALS, CONFIRMED SELECTIONS, PRODUCT AVAILABILITY AND THE SUBSEQUENT COORDINATION OF FINISHES BY ARCHITECT AND MAY DIFFER FROM PRODUCTS LISTED HEREIN.

**ABBREVIATIONS**

ACT ACUSTICAL CEILING TILE  
 EPX EPOXY  
 GYP GYPSUM BOARD  
 IGU INSULATED GLASS UNIT  
 PLAM PLASTIC LAMINATE  
 PNT PAINT  
 RB RUBBER BASE  
 WDV WOOD VENEER  
 EXIST EXISTING

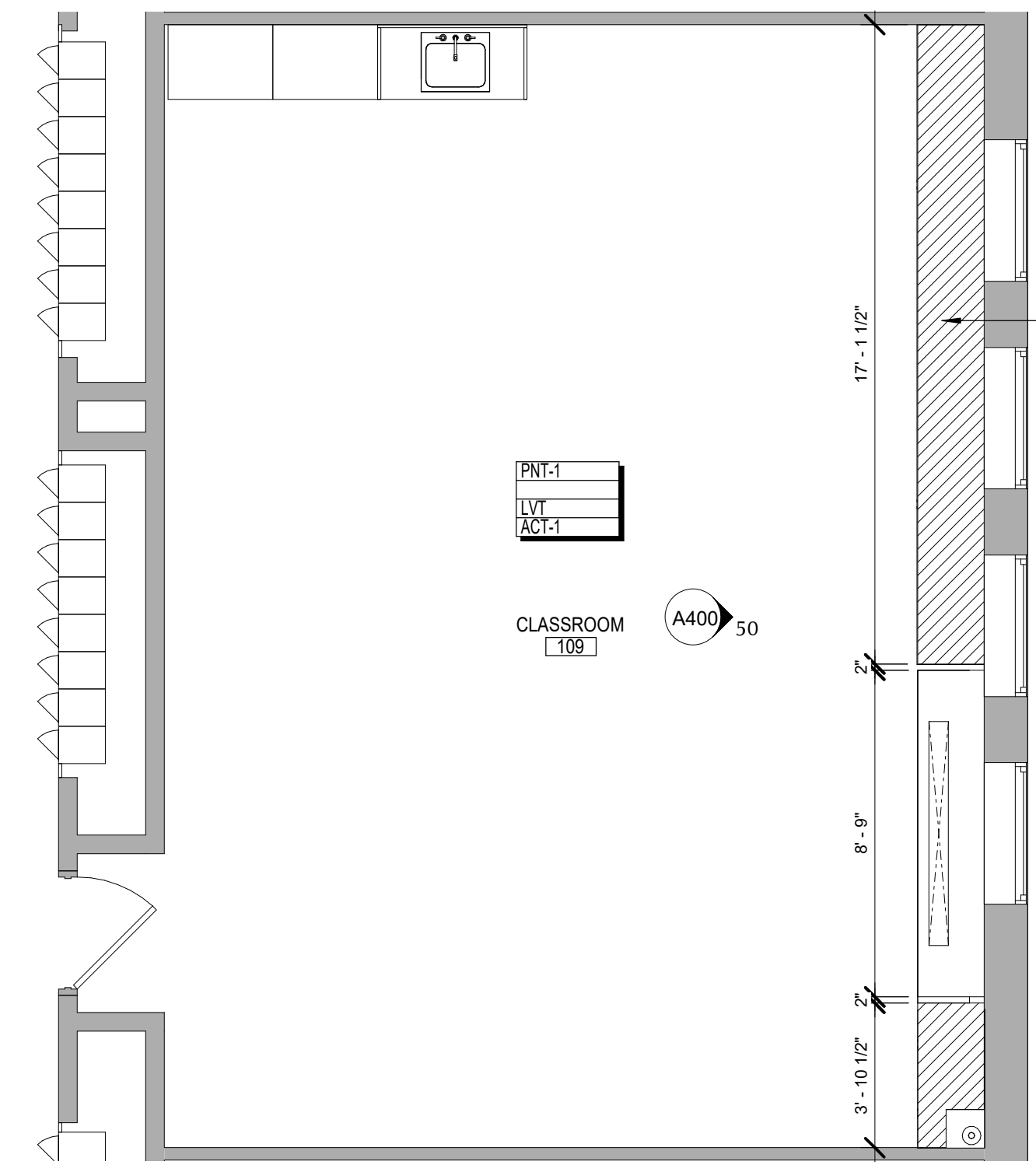
**FINISH LEGEND**

WALL FINISH  
 BASE FINISH  
 FLOOR FINISH  
 CEILING FINISH  
 INTERIOR FINISH TAG. REFER TO DETAILS AND ROOM FINISH SCHEDULE  
 NEW MILLWORK

ROOM FINISH SCHEDULE							
ROOM NUMBER	ROOM NAME	FLOOR		WALL FINISH	ACCENT WALL	CEILING	COMMENTS
		FINISH	BASE				
001B	CORR					ACT-1	
013	ART ROOM			PNT-1		ACT-1	PAINT WINDOW WALL AND NEW COLUMN TO MATCH EXISTING
015	ART ROOM			PNT-1		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
017	ART ROOM			PNT-1		ACT-1	PAINT WINDOW WALL AND NEW COLUMN TO MATCH EXISTING
100	CORR					ACT-1	
100B	CORR			PNT-1		ACT-1	PAINT NEW COLUMN
100C	CORR			PNT-1		ACT-1	
100D	CORR			PNT-1	PNT-2	ACT-1	PAINT WALLS
100E	CORRIDOR		RB			ACT-1	
101	ADMIN			PNT-1		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
101A	PRINCIPAL			PNT-1		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
101B	OFFICE			PNT-1		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
101C	ROOM					ACT-1	
101D	CONFERENCE					ACT-2	
101F	ROOM			PNT-1		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
101G	MAIL					ACT-1	
102B	CLASSROOM			PNT-1		ACT-1	PAINT WINDOW WALL AND NEW COLUMN TO MATCH EXISTING
103	OFFICE			PNT-1		ACT-1	PAINT WINDOW WALL AND NEW COLUMN TO MATCH EXISTING
105	OFFICE			PNT-1		ACT-2	PAINT WINDOW WALL AND NEW COLUMN TO MATCH EXISTING
105A	OFFICE			PNT-1		ACT-2	
107	CLASSROOM			PNT-1		ACT-1	PAINT WINDOW WALL AND NEW COLUMN TO MATCH EXISTING
109	CLASSROOM	LVT		PNT-1		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
111	CLASSROOM					ACT-1	
113	EARTH SCIENCE					ACT-1	
120A	OFFICE					ACT-1	
125	CLASSROOM			PNT-1		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
127	SCIENCE LAB			PNT-1		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
127A	PREP			PNT-1		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
128	CLASSROOM			PNT-1		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
129	SCIENCE LAB			PNT-1		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
130	CLASSROOM			PNT-1		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
136	CLASSROOM						
138	CLASSROOM						
200	CORR					ADD ALT. 2	
200B	CORR			PNT-1		ADD ALT. 2	PAINT NEW COLUMN
200D	CORR					ADD ALT. 2	
201	CLASSROOM						
202	CLASSROOM			PNT-1			PAINT WINDOW WALL AND NEW COLUMN TO MATCH EXISTING
203	CLASSROOM						
204	CLASSROOM						PAINT WINDOW WALL AND NEW COLUMN TO MATCH EXISTING
205	CLASSROOM						
206	SCIENCE LAB						PAINT WINDOW WALL TO MATCH EXISTING
207	CLASSROOM			PNT-1		ACT-1	PAINT WINDOW WALL AND NEW COLUMN TO MATCH EXISTING
208A	OFFICE			PNT-1			PAINT WINDOW WALL TO MATCH EXISTING
208C	OFFICE			PNT-1			PAINT WINDOW WALL TO MATCH EXISTING
209	CLASSROOM			PNT-1		ADD ALT. 2	PAINT WINDOW WALL AND NEW COLUMN TO MATCH EXISTING
211	CLASSROOM			PNT-1		ADD ALT. 2	PAINT WINDOW WALL AND NEW COLUMN TO MATCH EXISTING
213	CLASSROOM			PNT-1		ACT-1	PAINT WINDOW WALL AND NEW COLUMN TO MATCH EXISTING
213A	SGI			PNT-1		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
231	CLASSROOM			PNT-1		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
232	CLASSROOM			PNT-1		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
233	SCIENCE LAB			PNT-1		ADD ALT. 2	PAINT WINDOW WALL TO MATCH EXISTING
234	DIGITAL LAB			PNT-1		ADD ALT. 2	PAINT WINDOW WALL TO MATCH EXISTING
235	SCIENCE LAB			PNT-1		ADD ALT. 2	PAINT WINDOW WALL TO MATCH EXISTING
235A	PREP			PNT-1		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
238	CLASSROOM						
240	CLASSROOM						
242	CLASSROOM						
246	SCIENCE LAB			PNT-1			PAINT WINDOW WALL TO MATCH EXISTING
300	CORR					ADD ALT. 2	
300B	CORR					ADD ALT. 2	
302	SCIENCE LAB	finish		PNT-1			PAINT WINDOW WALL TO MATCH EXISTING
304	SCIENCE LAB	finish		PNT-1			PAINT WINDOW WALL TO MATCH EXISTING
305	SCIENCE LAB			PNT-1		ADD ALT. 2	PAINT WINDOW WALL TO MATCH EXISTING
305A	STOR			PNT-1			PAINT WINDOW WALL TO MATCH EXISTING
306	SCIENCE LAB	finish		PNT-1			PAINT WINDOW WALL TO MATCH EXISTING
307	PREP ROOM			PNT-1		ADD ALT. 2	PAINT WINDOW WALL TO MATCH EXISTING
311	CLASSROOM			PNT-1		ACT-1	PAINT WINDOW WALL AND NEW COLUMN TO MATCH EXISTING
313	CLASSROOM			PNT-1		ADD ALT. 2	PAINT WINDOW WALL AND NEW COLUMN TO MATCH EXISTING
315	CLASSROOM			PNT-1		ADD ALT. 2	PAINT WINDOW WALL AND NEW COLUMN TO MATCH EXISTING
315A	WORK ROOM			PNT-1		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
317	CLASSROOM			PNT-1		ADD ALT. 2	PAINT WINDOW WALL AND NEW COLUMN TO MATCH EXISTING
M01	CORRIDOR					ACT-1	
M02	LOBBY					ACT-1	
M101	CLASSROOM			PNT-3		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
M102	ART CLASSROOM			PNT-3		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
M108	CLASSROOM			PNT-3		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
M109	CLASSROOM			PNT-3		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
M110	CLASSROOM			PNT-3		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
M111	CHORUS			PNT-3		ACT-1	PAINT WINDOW WALL TO MATCH EXISTING
M112	COPY					ACT-1	
M113	BAND ROOM			PNT-1		ACT-1	PAINT WINDOW WALL AND NEW COLUMN TO MATCH EXISTING
M113A	OFFICE					ACT-1	
M113B	SGI					ACT-1	
M114	GIRLS DRESSING RM					ACT-2	
M116	BOYS DRESSING ROOM					ACT-2	
M117	OFFICE					ACT-2	
M117A	PRINCIPAL OFFICE					ACT-1	
M118	ASSISTANT PRINCIPAL OFFICE					ACT-1	
M125	GUIDANCE					ACT-1	
M125A	OFFICE					ACT-1	
M125B	OFFICE					ACT-2	
M125C	OFFICE					ACT-2	
M203	SCIENCE CLASSROOM			PNT-3			PAINT WINDOW WALL TO MATCH EXISTING
M206	CLASSROOM						
M211	CLASSROOM			PNT-3		ADD ALT. 1	PAINT WINDOW WALL TO MATCH EXISTING
M212	CLASSROOM			PNT-3		ADD ALT. 1	PAINT WINDOW WALL TO MATCH EXISTING
M213	CLASSROOM			PNT-3		ADD ALT. 1	PAINT WINDOW WALL TO MATCH EXISTING
M214	CLASSROOM			PNT-3		ADD ALT. 1	PAINT WINDOW WALL TO MATCH EXISTING
M215	CLASSROOM			PNT-3		ADD ALT. 1	PAINT WINDOW WALL TO MATCH EXISTING
M216B	OFFICE					ADD ALT. 1	
M222	CLASSROOM			PNT-3		ADD ALT. 1	PAINT WINDOW WALL TO MATCH EXISTING
M223	CLASSROOM			PNT-3		ADD ALT. 1	PAINT WINDOW WALL TO MATCH EXISTING
M224	CLASSROOM			PNT-3		ADD ALT. 1	PAINT WINDOW WALL TO MATCH EXISTING
M230	CLASSROOM			PNT-3		ADD ALT. 1	PAINT WINDOW WALL TO MATCH EXISTING
M231	CLASSROOM			PNT-3		ADD ALT. 1	PAINT WINDOW WALL TO MATCH EXISTING
M232	CLASSROOM			PNT-3		ADD ALT. 1	PAINT WINDOW WALL TO MATCH EXISTING

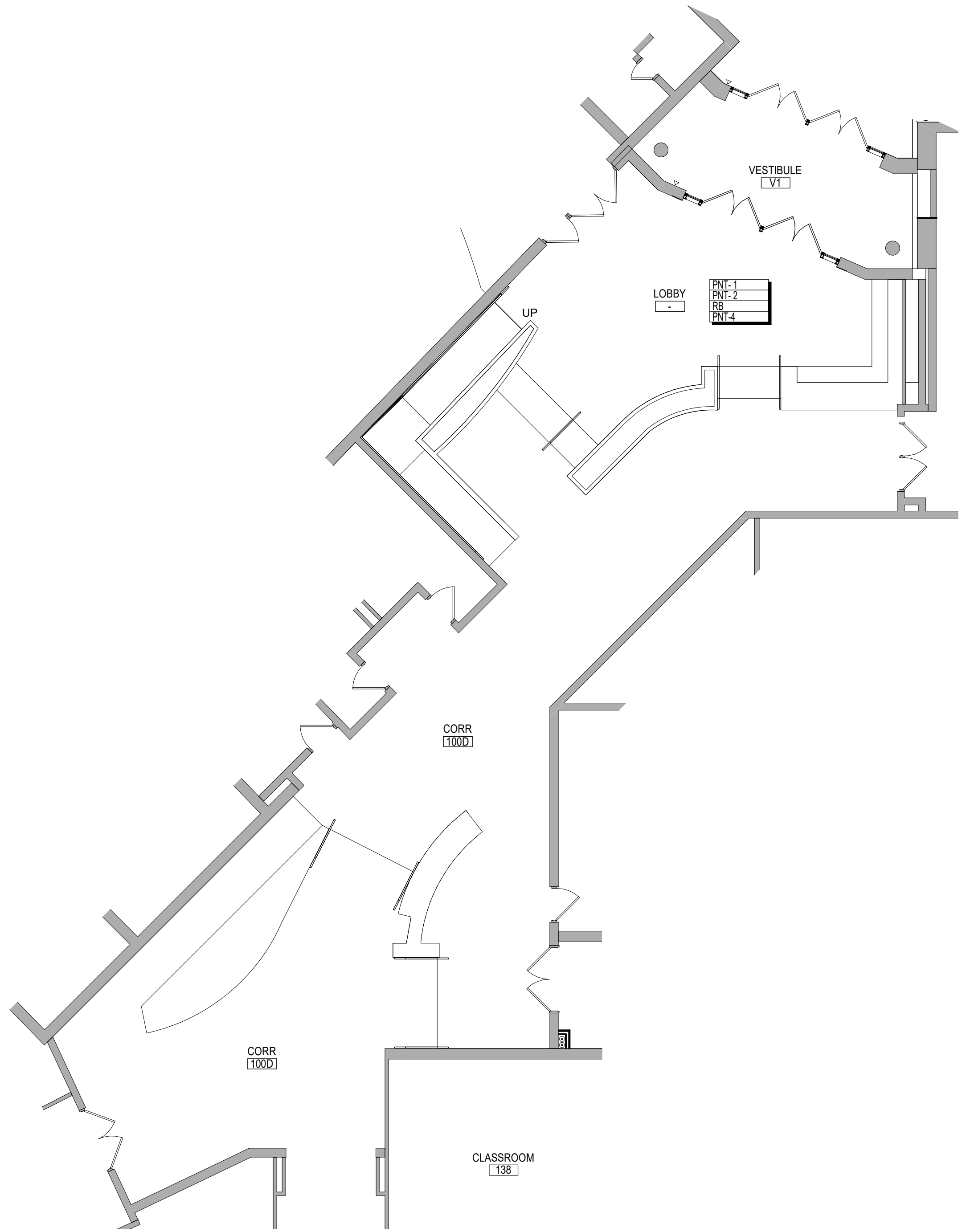
NOTE:  
 ADD ALTERNATES ARE FOR LIGHTING  
 FIXTURES AND CEILING ONLY.

SCHEDULE OF FINISH MATERIALS						
TAG	MATERIAL	MANUFACTURER	STYLE / TYPE	COLOR	SIZE	NOTES
ACT-1	ACT CEILING	CERTAINEED CEILINGS	SAND MICRO	WHITE	24" X 48"	
ACT-2	ACT CEILING	CERTAINEED CEILINGS	SAND MICRO	WHITE	24" X 24"	
PNT-1	PAINT	SHERWIN WILLIAMS	WHITES & PASTEL LIVING WELL...	ON THE ROCKS		HS CLASSROOMS
PNT-2	PAINT	BENJAMIN MOORE	TBD	TBD		LOBBY WALL
PNT-3	PAINT	BENJAMIN MOORE	AFFINITY	FOSSIL		MS CLASSROOMS
PNT-4	PAINT	SHERWIN WILLIAMS		PURE WHITE		CEILING
RB	RUBBER BASE	ROPPE		TBD		LOBBY
PLAM-1	PLASTIC LAMINATE	TBD	TBD	TBD		MILLWORK
PLAM-2	PLASTIC LAMINATE	TBD	TBD	TBD		MILLWORK
PLAM-3	PLASTIC LAMINATE	TBD	TBD	TBD		MILLWORK
EPX	EPOXY	WILSONART	DURCON	TBD		MILLWORK
WDV	WOOD VENEER	TBD	TBD	TBD		MILLWORK
LVT	LUXURY VINYL TILE	ARMSTRONG FLOORING		TO MATCH EXISTING		
VCT	VINYL COMPOSITION TILE	ARMSTRONG FLOORING		TO MATCH EXISTING		
SS-1	SOLID SURFACE	CORIAN	TBD	TBD		MILLWORK



FINISH PLAN - TYP CLASSROOM

1/4" = 1'-0"



FINISH PLAN - MAIN ENTRANCE LOBBY

1/8" = 1'-0"

**EASTCHESTER  
 UNION FREE  
 SCHOOL DISTRICT**

2022 CAPITAL PROJECT  
 PHASE 3

MIDDLE SCHOOL /  
 HIGH SCHOOL

**ARCHITECT**  
**MEMASI**

2 LYON PLAINS  
 WHITE PLAINS, NY 10601  
 914.915.9519  
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STRUCTURAL CONSULTANT  
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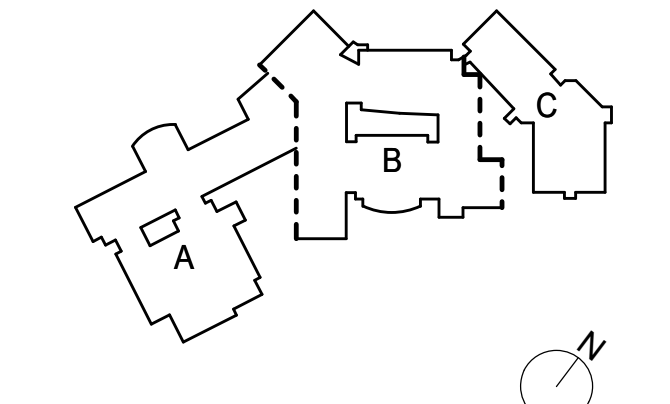
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PROJECT NO. 66-03-01-03-0-003-031  
 MEMASI PROJECT NO. 102-2301

**ENLARGED  
 FINISH PLAN**

**AF-001**

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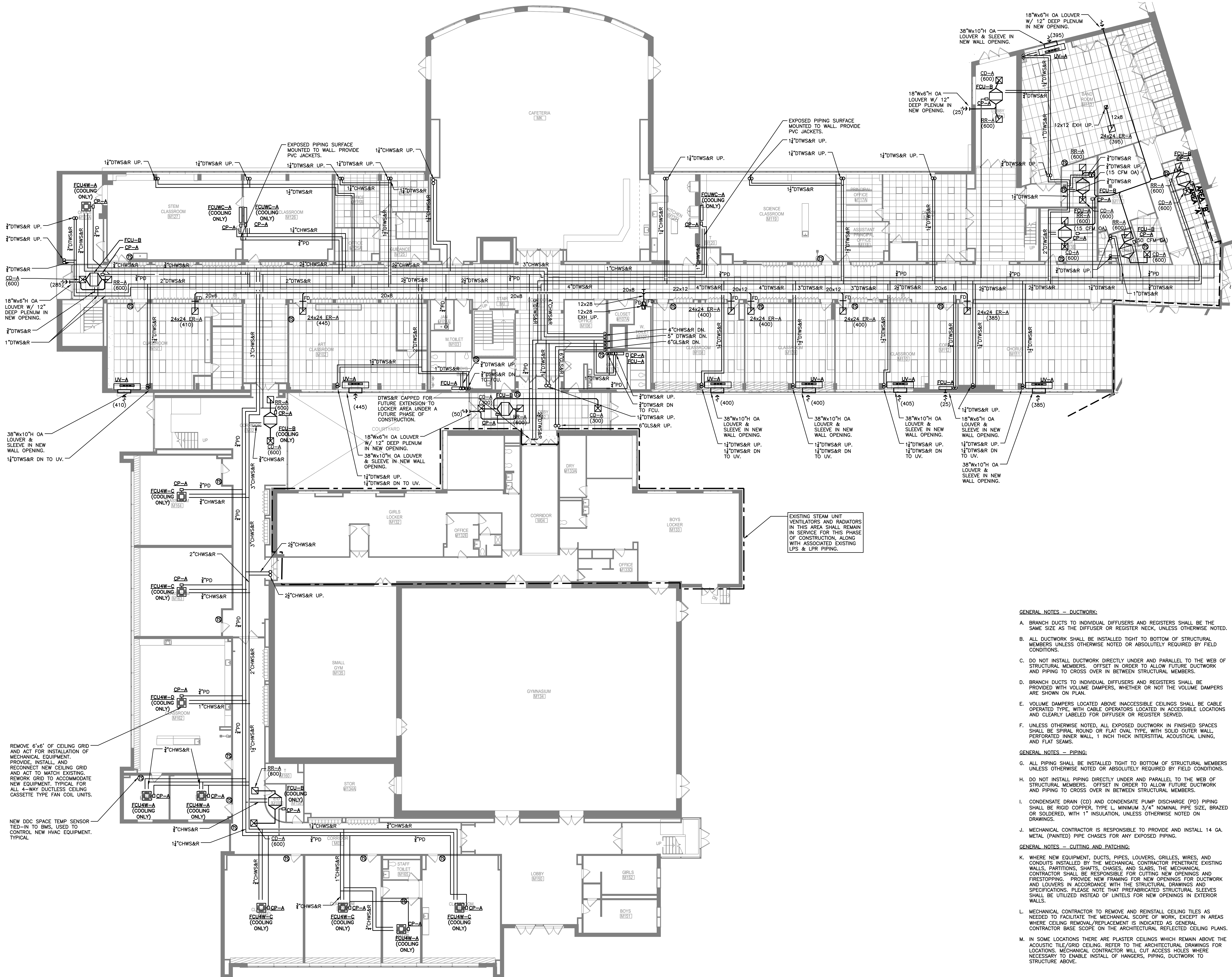












EXISTING STEAM UNIT  
VENTILATORS AND RADIATORS  
IN THIS AREA SHALL REMAIN  
IN SERVICE FOR THIS PHASE OF  
CONSTRUCTION, ALONG  
WITH ASSOCIATED EXISTING  
LPS & LPR PIPING.

**GENERAL NOTES - DUCTWORK:**

- A. BRANCH DUCTS TO INDIVIDUAL DIFFUSERS AND REGISTERS SHALL BE THE SAME SIZE AS THE DIFFUSER OR REGISTER NECK, UNLESS OTHERWISE NOTED.
- B. ALL DUCTWORK SHALL BE INSTALLED TIGHT TO BOTTOM OF STRUCTURAL MEMBERS UNLESS OTHERWISE NOTED OR ABSOLUTELY REQUIRED BY FIELD CONDITIONS.
- C. DO NOT INSTALL DUCTWORK DIRECTLY UNDER AND PARALLEL TO THE WEB OF STRUCTURAL MEMBERS. OFFSET IN ORDER TO ALLOW FUTURE DUCTWORK AND PIPING TO CROSS OVER IN BETWEEN STRUCTURAL MEMBERS.
- D. BRANCH DUCTS TO INDIVIDUAL DIFFUSERS AND REGISTERS SHALL BE PROVIDED WITH VOLUME DAMPERS, WHETHER OR NOT THE VOLUME DAMPERS ARE SHOWN ON PLAN.
- E. VOLUME DAMPERS LOCATED ABOVE INACCESSIBLE CEILINGS SHALL BE CABLE OPERATED TYPE, WITH CABLE OPERATORS LOCATED IN ACCESSIBLE LOCATIONS AND CLEARLY LABELED FOR DIFFUSER OR REGISTER SERVED.
- F. UNLESS OTHERWISE NOTED, ALL EXPOSED DUCTWORK IN FINISHED SPACES SHALL BE SPIRAL ROUND OR FLAT OVAL TYPE, WITH SOLID OUTER WALL, PERFORATED INNER WALL, 1 INCH THICK INTERSTITIAL ACOUSTICAL LINING, AND FLAT SEAMS.

**GENERAL NOTES - PIPING:**

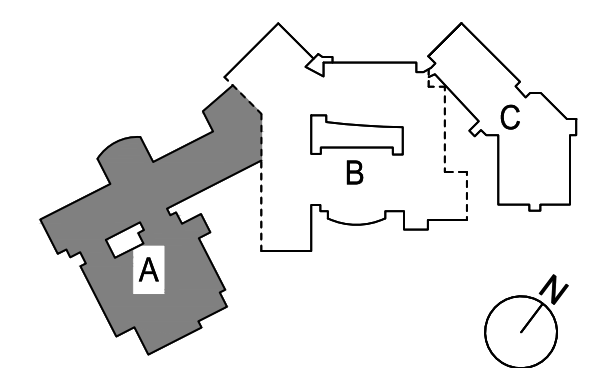
- G. ALL PIPING SHALL BE INSTALLED TIGHT TO BOTTOM OF STRUCTURAL MEMBERS UNLESS OTHERWISE NOTED OR ABSOLUTELY REQUIRED BY FIELD CONDITIONS.
- H. DO NOT INSTALL PIPING DIRECTLY UNDER AND PARALLEL TO THE WEB OF STRUCTURAL MEMBERS. OFFSET IN ORDER TO ALLOW FUTURE DUCTWORK AND PIPING TO CROSS OVER IN BETWEEN STRUCTURAL MEMBERS.
- I. CONDENSATE DRAIN (CD) AND CONDENSATE PUMP DISCHARGE (PD) PIPING SHALL BE RIGID COPPER, TYPE L, MINIMUM 3/4" NOMINAL PIPE SIZE, BRAZED OR SOLDERED, WITH 1" INSULATION, UNLESS OTHERWISE NOTED ON DRAWINGS.
- J. MECHANICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE AND INSTALL 14 GA. METAL (PAINTED) PIPE CHASES FOR ANY EXPOSED PIPING.

**GENERAL NOTES - CUTTING AND PATCHING:**

- K. WHERE NEW EQUIPMENT, DUCTS, PIPES, LOUVERS, GRILLES, WIRES, AND CONDUITS INSTALLED BY THE MECHANICAL CONTRACTOR PENETRATE EXISTING WALLS, PARTITIONS, SHAFTS, CHASES, AND SLABS, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING NEW OPENINGS AND FIRESTOPPING. PROVIDE NEW FRAMING FOR NEW OPENINGS FOR DUCTWORK AND LOUVERS IN ACCORDANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. PLEASE NOTE THAT PREFABRICATED STRUCTURAL SLEEVES SHALL BE UTILIZED INSTEAD OF LINTELS FOR NEW OPENINGS IN EXTERIOR WALLS.
- L. MECHANICAL CONTRACTOR TO REMOVE AND REINSTALL CEILING TILES AS NEEDED TO FACILITATE THE MECHANICAL SCOPE OF WORK, EXCEPT IN AREAS WHERE CEILING REMOVAL/REPLACEMENT IS INDICATED AS GENERAL CONTRACTOR BASE SCOPE ON THE ARCHITECTURAL REFLECTED CEILING PLANS.
- M. IN SOME LOCATIONS THERE ARE PLASTER CEILINGS WHICH REMAIN ABOVE THE ACOUSTIC TILE/GRID CEILING. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATIONS. MECHANICAL CONTRACTOR WILL CUT ACCESS HOLES WHERE NECESSARY TO ENABLE INSTALL OF HANGERS, PIPING, DUCTWORK TO STRUCTURE ABOVE.

BID SET 12/18/2023  
ISSUE DATE

**KEY PLAN**

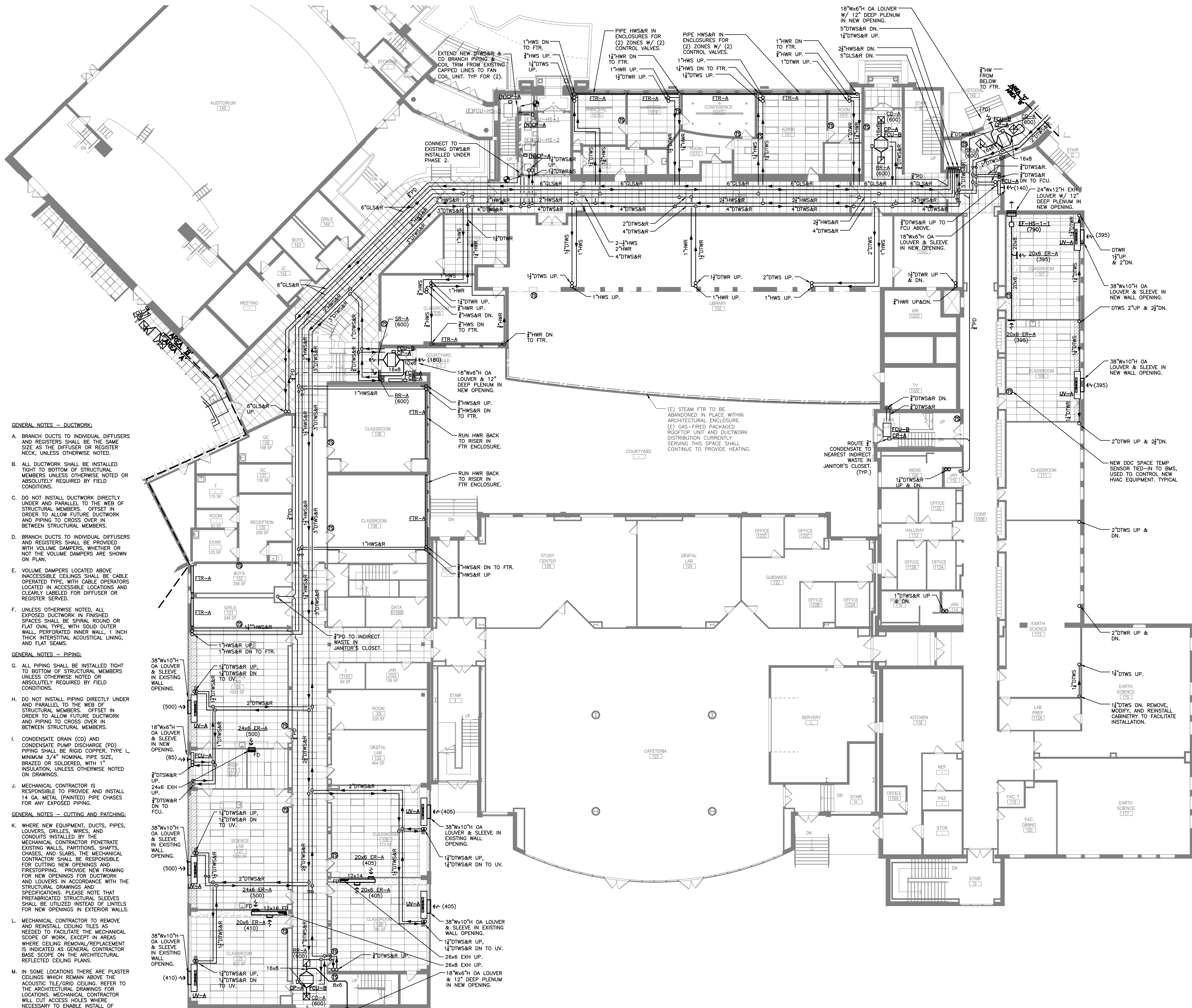


PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**MECHANICAL PART  
PLAN - 1ST FLOOR -  
AREA A**

MECHANICAL PART PLAN - 1ST FLOOR - AREA A

3/32" = 1'-0"



**GENERAL NOTES — DUCTWORK:**

- A. BRANCH DUCTS TO INDIVIDUAL DIFFUSERS AND REGISTERS SHALL BE THE SAME SIZE AS THE DIFFUSER OR REGISTER NECK, UNLESS OTHERWISE NOTED.
- B. ALL DUCTWORK SHALL BE INSTALLED TIGHT TO BOTTOM OF STRUCTURAL MEMBERS UNLESS OTHERWISE NOTED OR ABSOLUTELY REQUIRED BY FIELD CONDITIONS.
- C. DO NOT INSTALL DUCTWORK DIRECTLY UNDER AND PARALLEL TO THE WEB OF STRUCTURAL MEMBERS. OFFSET IN ORDER TO ALLOW FUTURE DUCTWORK AND PIPING TO CROSS OVER IN BETWEEN STRUCTURAL MEMBERS.
- D. BRANCH DUCTS TO INDIVIDUAL DIFFUSERS AND REGISTERS SHALL BE PROVIDED WITH VOLUME DAMPERS, WHETHER OR NOT THE VOLUME DAMPERS ARE SHOWN ON PLAN.
- E. VOLUME DAMPERS LOCATED ABOVE INACCESSIBLE CEILINGS SHALL BE CABLE OPERATED TYPE, WITH CABLE OPERATORS LOCATED IN ACCESSIBLE LOCATIONS AND CLEARLY LABELED FOR DIFFUSER OR REGISTER SERVED.
- F. UNLESS OTHERWISE NOTED, ALL EXPOSED DUCTWORK IN FINISHED SPACES SHALL BE SPIRAL ROUND OR FLAT OVAL TYPE, WITH SOLID OUTER WALL, PERFORATED INNER WALL, 1 INCH THICK INTERSTITIAL ACOUSTICAL LINING, AND FLAT SEAMS.

**GENERAL NOTES — PIPING:**

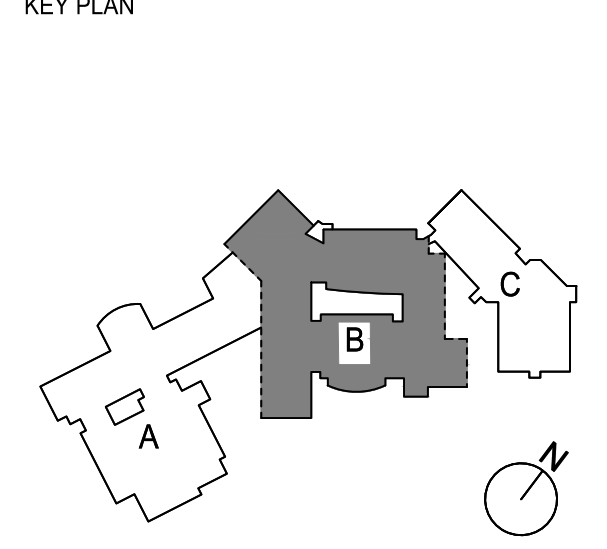
- G. ALL PIPING SHALL BE INSTALLED TIGHT TO BOTTOM OF STRUCTURAL MEMBERS UNLESS OTHERWISE NOTED OR ABSOLUTELY REQUIRED BY FIELD CONDITIONS.
- H. DO NOT INSTALL PIPING DIRECTLY UNDER AND PARALLEL TO THE WEB OF STRUCTURAL MEMBERS. OFFSET IN ORDER TO ALLOW FUTURE DUCTWORK AND PIPING TO CROSS OVER IN BETWEEN STRUCTURAL MEMBERS.
- I. CONDENSATE DRAIN (CD) AND CONDENSATE PUMP DISCHARGE (PD) PIPING SHALL BE RIGID COPPER, TYPE L, MINIMUM 3/4" NOMINAL PIPE SIZE, BRAZED OR SOLDERED, WITH 1" INSULATION, UNLESS OTHERWISE NOTED ON DRAWINGS.
- J. MECHANICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE AND INSTALL 14 GA. METAL (PAINTED) PIPE CHASES FOR ANY EXPOSED PIPING.

**GENERAL NOTES — CUTTING AND PATCHING:**

- K. WHERE NEW EQUIPMENT, DUCTS, PIPES, LOUVERS, GRILLES, WIRES, AND CONDUITS INSTALLED BY THE MECHANICAL CONTRACTOR PENETRATE EXISTING WALLS, PARTITIONS, SHAFTS, CHASES, AND SLABS, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING NEW OPENINGS AND FIRESTOPPING. PROVIDE NEW FRAMING FOR NEW OPENINGS FOR DUCTWORK AND LOUVERS IN ACCORDANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. PLEASE NOTE THAT PREFABRICATED STRUCTURAL SLEEVES SHALL BE UTILIZED INSTEAD OF LINTELS FOR NEW OPENINGS IN EXTERIOR WALLS.
- L. MECHANICAL CONTRACTOR TO REMOVE AND REINSTALL CEILING TILES AS NEEDED TO FACILITATE THE MECHANICAL SCOPE OF WORK, EXCEPT IN AREAS WHERE CEILING REMOVAL/REPLACEMENT IS INDICATED AS GENERAL CONTRACTOR BASE SCOPE ON THE ARCHITECTURAL REFLECTED CEILING PLANS.
- M. IN SOME LOCATIONS THERE ARE PLASTER CEILINGS WHICH REMAIN ABOVE THE ACOUSTIC TILE/GRID CEILING. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATIONS. MECHANICAL CONTRACTOR WILL CUT ACCESS HOLES WHERE NECESSARY TO ENABLE INSTALL OF HANGERS, PIPING, DUCTWORK TO STRUCTURE ABOVE.

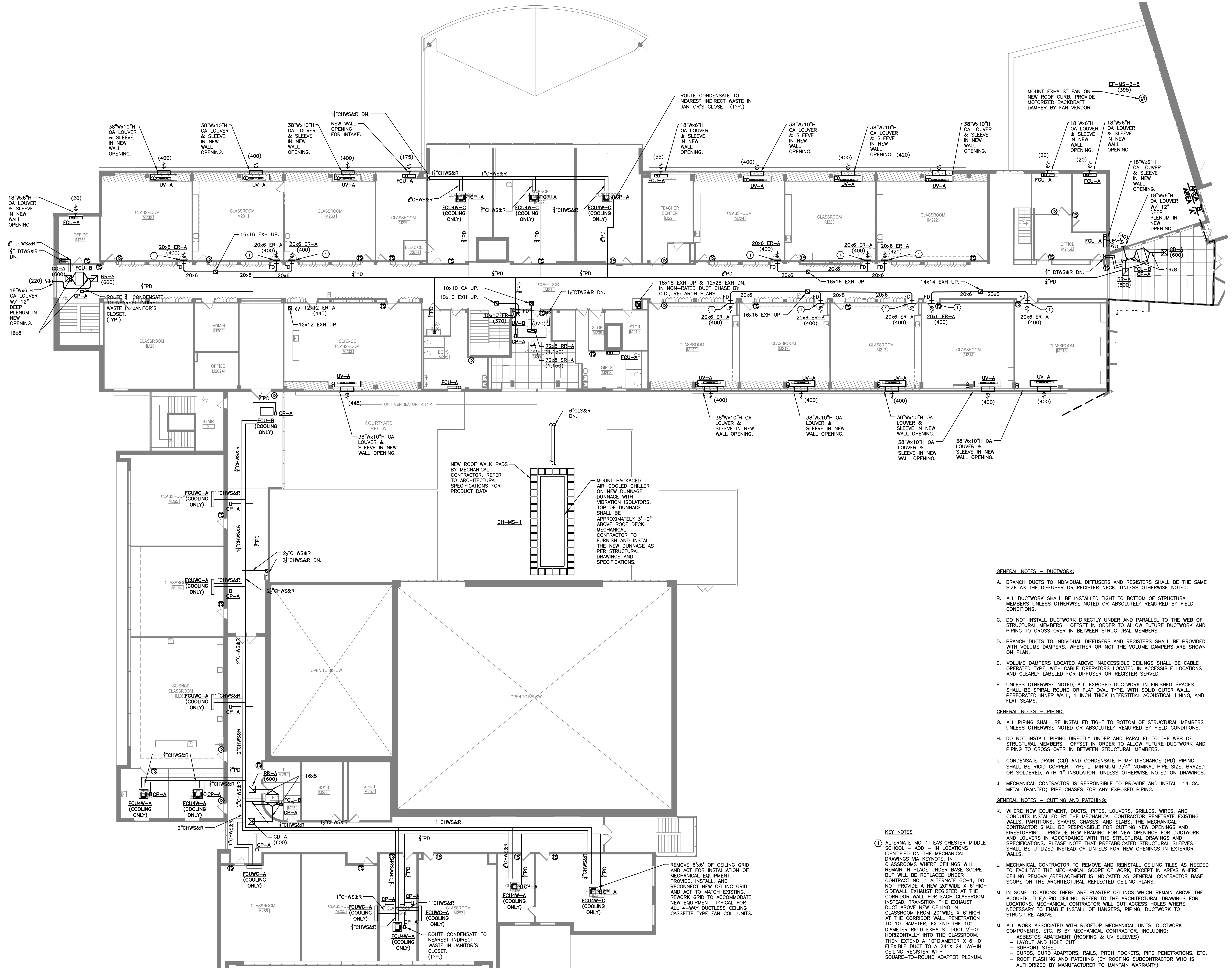
MECHANICAL PART PLAN - 1ST FLOOR - AREA B  
3/32" = 1'-0"

BID SET	12/18/2023
ISSUE	DATE





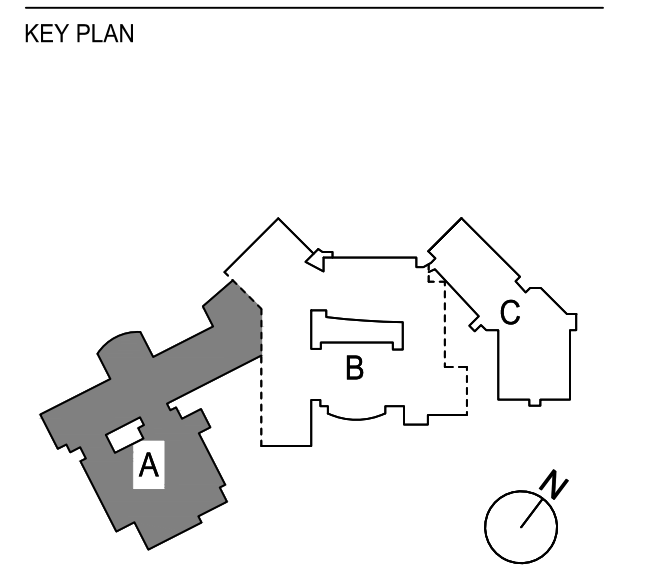




- GENERAL NOTES - DUCTWORK:**
- BRANCH DUCTS TO INDIVIDUAL DIFFUSERS AND REGISTERS SHALL BE THE SAME SIZE AS THE DIFFUSER OR REGISTER NECK, UNLESS OTHERWISE NOTED.
  - ALL DUCTWORK SHALL BE INSTALLED TIGHT TO BOTTOM OF STRUCTURAL MEMBERS UNLESS OTHERWISE NOTED OR ABSOLUTELY REQUIRED BY FIELD CONDITIONS.
  - DO NOT INSTALL DUCTWORK DIRECTLY UNDER AND PARALLEL TO THE WEB OF STRUCTURAL MEMBERS. OFFSET IN ORDER TO ALLOW FUTURE DUCTWORK AND PIPING TO CROSS OVER IN BETWEEN STRUCTURAL MEMBERS.
  - BRANCH DUCTS TO INDIVIDUAL DIFFUSERS AND REGISTERS SHALL BE PROVIDED WITH VOLUME DAMPERS, WHETHER OR NOT THE VOLUME DAMPERS ARE SHOWN ON PLAN.
  - VOLUME DAMPERS LOCATED ABOVE INACCESSIBLE CEILINGS SHALL BE CABLE OPERATED TYPE, WITH CABLE OPERATORS LOCATED IN ACCESSIBLE LOCATIONS AND CLEARLY LABELED FOR DIFFUSER OR REGISTER SERVED.
  - UNLESS OTHERWISE NOTED, ALL EXPOSED DUCTWORK IN FINISHED SPACES SHALL BE SPIRAL ROUND OR FLAT OVAL TYPE, WITH SOLID OUTER WALL, PERFORATED INNER WALL, 1 INCH THICK INTERSTITIAL ACOUSTICAL LINING, AND FLAT SEAMS.
- GENERAL NOTES - PIPING:**
- ALL PIPING SHALL BE INSTALLED TIGHT TO BOTTOM OF STRUCTURAL MEMBERS UNLESS OTHERWISE NOTED OR ABSOLUTELY REQUIRED BY FIELD CONDITIONS.
  - DO NOT INSTALL PIPING DIRECTLY UNDER AND PARALLEL TO THE WEB OF STRUCTURAL MEMBERS. OFFSET IN ORDER TO ALLOW FUTURE DUCTWORK AND PIPING TO CROSS OVER IN BETWEEN STRUCTURAL MEMBERS.
  - CONDENSATE DRAIN (CD) AND CONDENSATE PUMP DISCHARGE (PD) PIPING SHALL BE RIGID COPPER, TYPE L, MINIMUM 3/4" NOMINAL PIPE SIZE, BRAZED OR SOLDERED, WITH 1" INSULATION, UNLESS OTHERWISE NOTED ON DRAWINGS.
  - MECHANICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE AND INSTALL 14 GA. METAL (PAINTED) PIPE CHASES FOR ANY EXPOSED PIPING.
- GENERAL NOTES - CUTTING AND PATCHING:**
- WHERE NEW EQUIPMENT, DUCTS, PIPES, LOUVERS, GRILLES, WIRES, AND CONDUITS INSTALLED BY THE MECHANICAL CONTRACTOR PENETRATE EXISTING WALLS, PARTITIONS, SHAFTS, CHASES, AND SLABS, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING NEW OPENINGS AND FIRESTOPPING. PROVIDE NEW FRAMING FOR NEW OPENINGS FOR DUCTWORK AND LOUVERS IN ACCORDANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. PLEASE NOTE THAT PREFABRICATED STRUCTURAL SLEEVES SHALL BE UTILIZED INSTEAD OF LINTELS FOR NEW OPENINGS IN EXTERIOR WALLS.
  - MECHANICAL CONTRACTOR TO REMOVE AND REINSTALL CEILING TILES AS NEEDED TO FACILITATE THE MECHANICAL SCOPE OF WORK, EXCEPT IN AREAS WHERE CEILING REMOVAL/REPLACEMENT IS INDICATED AS GENERAL CONTRACTOR BASE SCOPE ON THE ARCHITECTURAL REFLECTED CEILING PLANS.
  - IN SOME LOCATIONS THERE ARE PLASTER CEILINGS WHICH REMAIN ABOVE THE ACOUSTIC TILE/GRID CEILING. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATIONS. MECHANICAL CONTRACTOR WILL CUT ACCESS HOLES WHERE NECESSARY TO ENABLE INSTALL OF HANGERS, PIPING, DUCTWORK TO STRUCTURE ABOVE.
  - ALL WORK ASSOCIATED WITH ROOFTOP MECHANICAL UNITS, DUCTWORK COMPONENTS, ETC. IS BY MECHANICAL CONTRACTOR, INCLUDING:
    - ASBESTOS ABATEMENT (ROOFING & UV SLEEVES)
    - LAYOUT AND HOLE CUT
    - SUPPORT STEEL
    - CURBS, CURB ADAPTORS, RAILS, PITCH POCKETS, PIPE PENETRATIONS, ETC.
    - ROOF FLASHING AND PATCHING (BY ROOFING SUBCONTRACTOR WHO IS AUTHORIZED BY MANUFACTURER TO MAINTAIN WARRANTY)

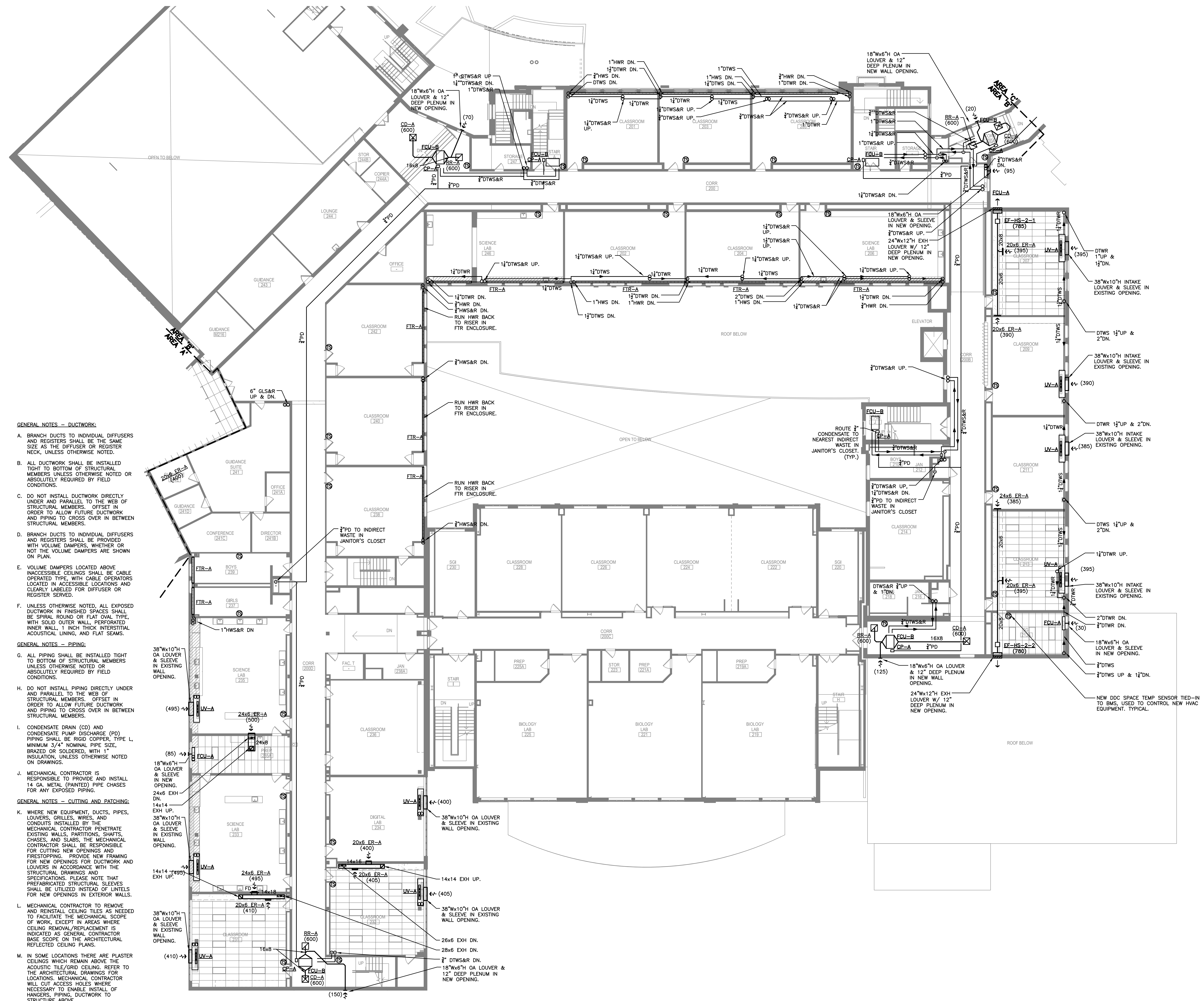
- KEY NOTES**
- ALTERNATE MC-1: EASTCHESTER MIDDLE SCHOOL - ADD - IN LOCATIONS IDENTIFIED ON THE MECHANICAL DRAWINGS VIA KEYNOTE, IN CLASSROOMS WHERE CEILINGS WILL REMAIN IN PLACE UNDER BASE SCOPE BUT WILL BE REPLACED UNDER CONTRACT NO. 1 ALTERNATE GC-1, DO NOT PROVIDE A NEW 20" WIDE X 6" HIGH SIDEWALL EXHAUST REGISTER AT THE CORRIDOR WALL FOR EACH CLASSROOM. INSTEAD, TRANSITION THE EXHAUST DUCT ABOVE NEW CEILING IN CLASSROOM FROM 20" WIDE X 6" HIGH AT THE CORRIDOR WALL PENETRATION TO 10" DIAMETER, EXTEND THE 10" DIAMETER RIGID EXHAUST DUCT 2'-0" HORIZONTALLY INTO THE CLASSROOM, THEN EXTEND A 10" DIAMETER X 6'-0" FLEXIBLE DUCT TO A 24" X 24" LAY-IN CEILING REGISTER WITH SQUARE-TO-ROUND ADAPTER PLENUM.

BID SET	12/18/2023
ISSUE	DATE



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**MECHANICAL PART  
PLAN - 2ND FLOOR -  
AREA A**



GENERAL NOTES - DUCTWORK:

- A. BRANCH DUCTS TO INDIVIDUAL DIFFUSERS AND REGISTERS SHALL BE THE SAME SIZE AS THE DIFFUSER OR REGISTER NECK, UNLESS OTHERWISE NOTED.
- B. ALL DUCTWORK SHALL BE INSTALLED TIGHT TO BOTTOM OF STRUCTURAL MEMBERS UNLESS OTHERWISE NOTED OR ABSOLUTELY REQUIRED BY FIELD CONDITIONS.
- C. DO NOT INSTALL DUCTWORK DIRECTLY UNDER AND PARALLEL TO THE WEB OF STRUCTURAL MEMBERS. OFFSET IN ORDER TO ALLOW FUTURE DUCTWORK AND PIPING TO CROSS OVER IN BETWEEN STRUCTURAL MEMBERS.
- D. BRANCH DUCTS TO INDIVIDUAL DIFFUSERS AND REGISTERS SHALL BE PROVIDED WITH VOLUME DAMPERS, WHETHER OR NOT THE VOLUME DAMPERS ARE SHOWN ON PLAN.
- E. VOLUME DAMPERS LOCATED ABOVE INACCESSIBLE CEILING SHALL BE CABLE OPERATED TYPE, WITH CABLE OPERATORS LOCATED IN ACCESSIBLE LOCATIONS AND CLEARLY LABELED FOR DIFFUSER OR REGISTER SERVED.
- F. UNLESS OTHERWISE NOTED, ALL EXPOSED DUCTWORK IN FINISHED SPACES SHALL BE SPIRAL ROUND OR FLAT OVAL TYPE, WITH SOLID OUTER WALL, PERFORATED INNER WALL, 1 INCH THICK INTERSTITIAL ACOUSTICAL LINING, AND FLAT SEAMS.

GENERAL NOTES - PIPING:

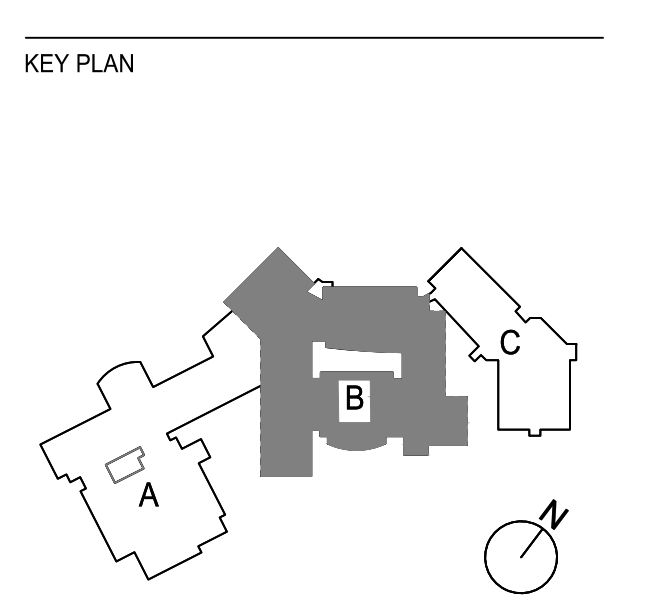
- G. ALL PIPING SHALL BE INSTALLED TIGHT TO BOTTOM OF STRUCTURAL MEMBERS UNLESS OTHERWISE NOTED OR ABSOLUTELY REQUIRED BY FIELD CONDITIONS.
- H. DO NOT INSTALL PIPING DIRECTLY UNDER AND PARALLEL TO THE WEB OF STRUCTURAL MEMBERS. OFFSET IN ORDER TO ALLOW FUTURE DUCTWORK AND PIPING TO CROSS OVER IN BETWEEN STRUCTURAL MEMBERS.
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- J. MECHANICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE AND INSTALL 14 GA. METAL (PAINTED) PIPE CHASES FOR ANY EXPOSED PIPING.

GENERAL NOTES - CUTTING AND PATCHING:

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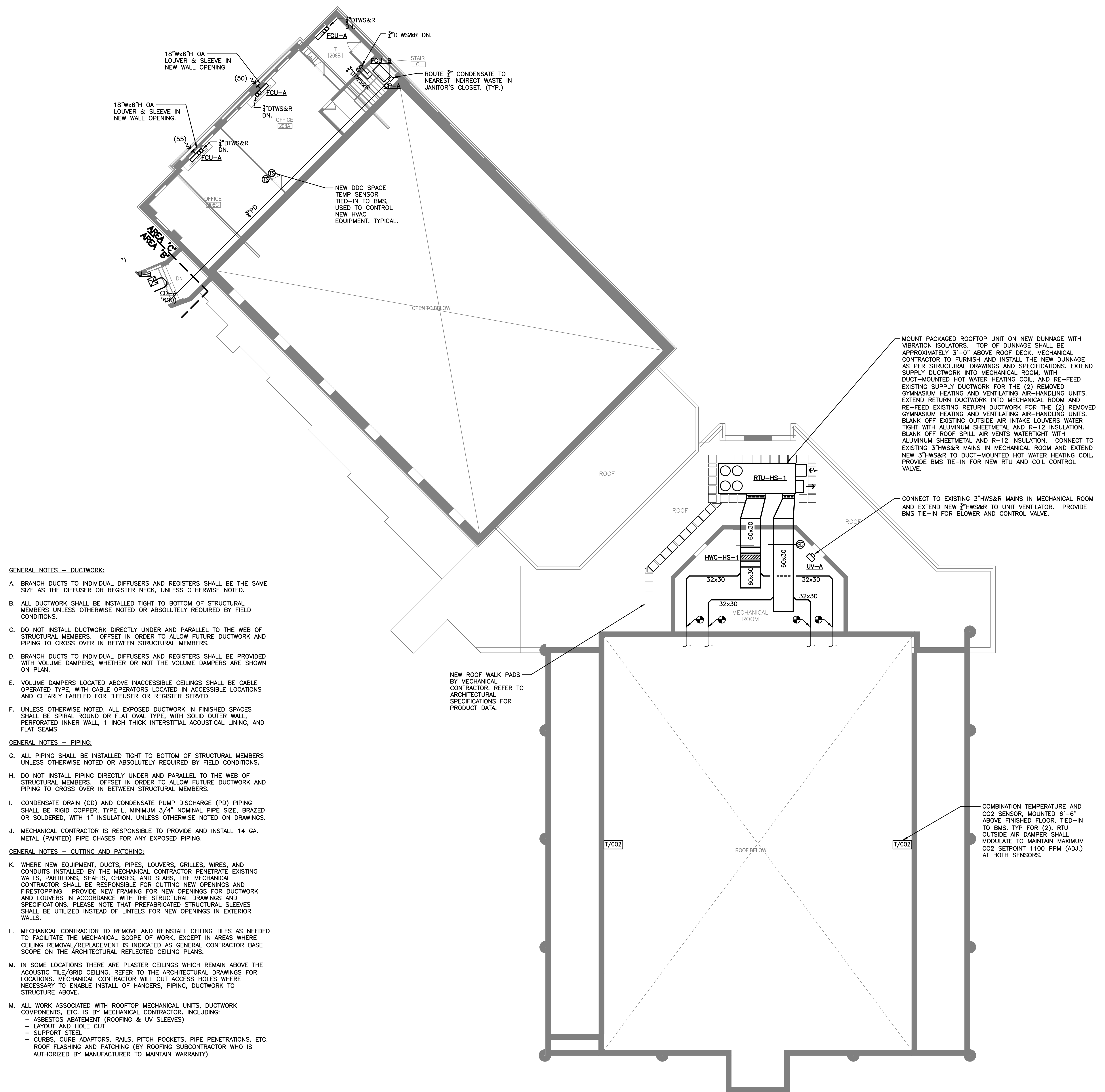
MECHANICAL PART PLAN - 2ND FLOOR - AREA B  
3/32" = 1'-0"

BID SET	12/18/2023
ISSUE	DATE

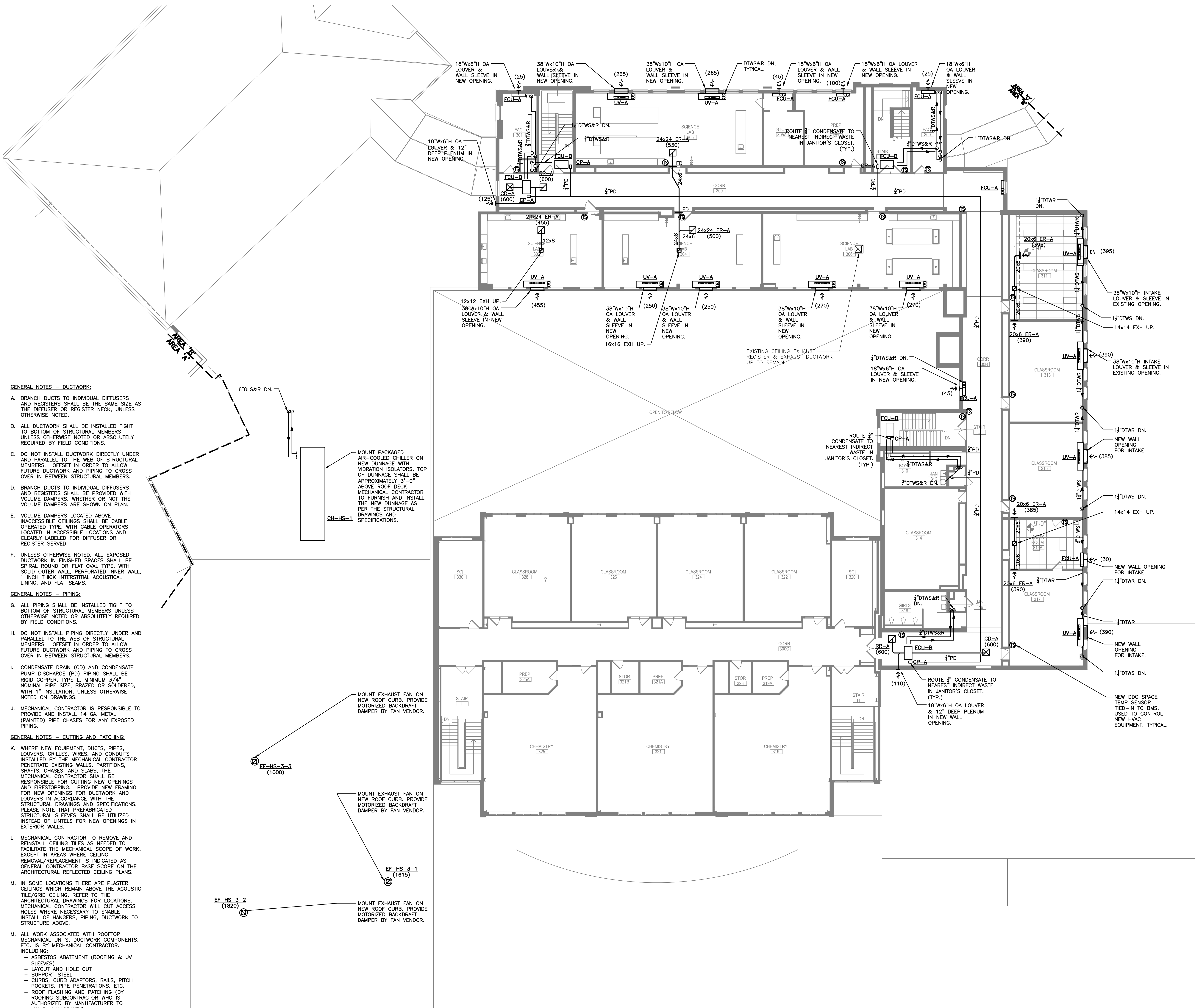


PROJECT NO.	66-03-01-03-003-031
MEMASI PROJECT NO.	102-2301

MECHANICAL PART  
PLAN - 2ND FLOOR -  
AREA B







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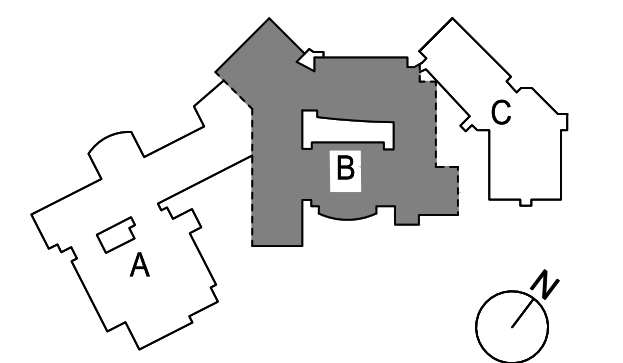
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- N. ALL WORK ASSOCIATED WITH ROOFTOP MECHANICAL UNITS, DUCTWORK COMPONENTS, ETC. IS BY MECHANICAL CONTRACTOR. INCLUDING:
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  - LAYOUT AND HOLE CUT
  - SUPPORT STEEL
  - CURBS, CURB ADAPTORS, RAILS, PITCH POCKETS, PIPE PENETRATIONS, ETC.
  - ROOF FLASHING AND PATCHING (BY ROOFING SUBCONTRACTOR WHO IS AUTHORIZED BY MANUFACTURER TO MAINTAIN WARRANTY)

MECHANICAL PART PLAN - 3RD FLOOR - AREA B  
3/32" = 1'-0"

BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



PROJECT NO.	66-03-01-03-003-031
MEMASI PROJECT NO.	102-2301

MECHANICAL PART PLAN - 3RD FLOOR - AREA B

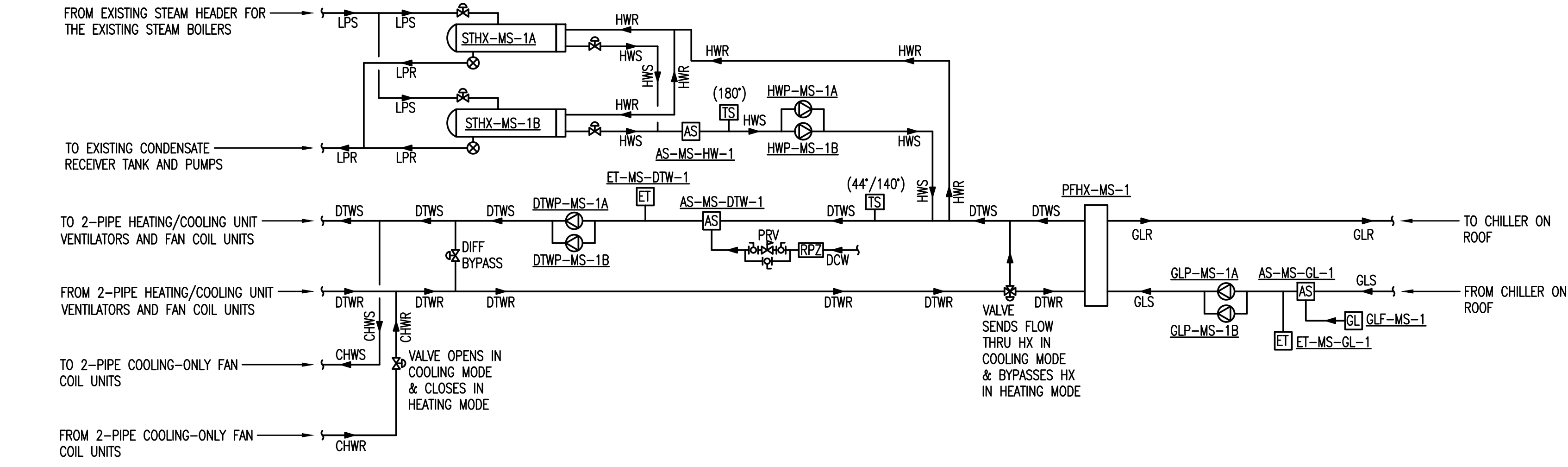


**GENERAL NOTES - CUTTING AND PATCHING:**

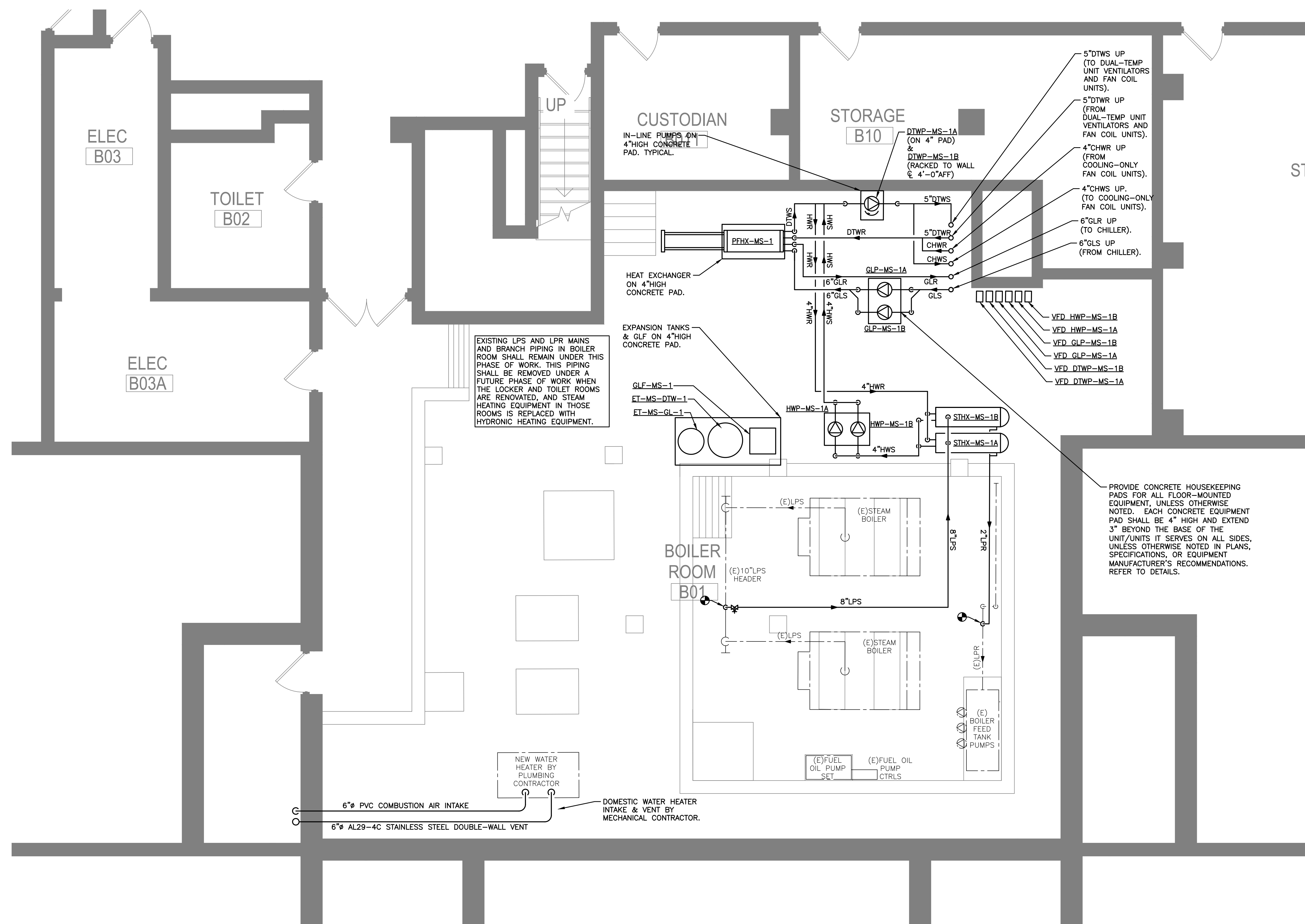
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**GENERAL NOTES - BOILER ROOM NEW CONSTRUCTION SCOPE SUMMARY:**

- B. (2) EXISTING GAS-FIRED CONDENSING HOT WATER BOILERS SERVING 2016 AREAS OF RENOVATION SHALL REMAIN, ALONG WITH ASSOCIATED FLUES, PUMPS, HYDRONIC SPECIALTIES, AND CONTROLS.
- C. (2) EXISTING 4185 MBH INPUT DUAL-FUEL STEAM BOILERS SERVING THE REST OF THE MIDDLE SCHOOL SHALL REMAIN, ALONG WITH ASSOCIATED BURNERS, FLUES, CONTROLS, AND CONDENSATE RECEIVER TANK/PUMPS.
- D. **STHX-MS-1A** & **STHX-MS-1B:** F&I (2) NEW SHELL AND TUBE HEAT EXCHANGERS TO GENERATE HOT WATER FOR ALL PORTIONS OF THE MIDDLE SCHOOL WHICH ARE CURRENTLY UTILIZING STEAM.
- E. **HWP-MS-1A** & **HWP-MS-1B:** F&I (2) NEW PRIMARY HOT WATER PUMPS. EACH PUMP SHALL BE IN-LINE TYPE, WITH A VFD. PROVIDE DECOUPLED PRIMARY/SECONDARY PIPING INTERCONNECTION TO THE BUILDING DUAL-TEMPERATURE LOOP. THE PUMPS SHALL OPERATE DUTY/STANDBY FOR REDUNDANCY.
- F. **GLP-MS-1A** & **GLP-MS-1B:** F&I (2) NEW CHILLER GLYCOL LOOP PUMPS. EACH PUMP SHALL BE IN-LINE TYPE, WITH A VFD. THE PUMPS SHALL OPERATE DUTY/STANDBY FOR REDUNDANCY.
- G. **PFXH-MS-1:** F&I (1) NEW PLATE AND FRAME HEAT EXCHANGER BETWEEN THE CHILLER GLYCOL LOOP AND THE NEW DUAL-TEMPERATURE LOOP.
- H. **DTWP-MS-1A** & **DTWP-MS-1B:** F&I (2) NEW DUAL-TEMPERATURE HOT/CHILLED WATER PUMPS, SERVING 2-PIPE UNIT VENTILATORS AND FAN COIL UNITS. EACH PUMP SHALL BE IN-LINE TYPE, WITH A VFD. THE PUMPS SHALL OPERATE DUTY/STANDBY FOR REDUNDANCY.
- I. REFER TO PLAN, FLOW DIAGRAM, AND SPECIFICATIONS FOR ADDITIONAL DETAILS.



**FLOW DIAGRAM**  
N.T.S.

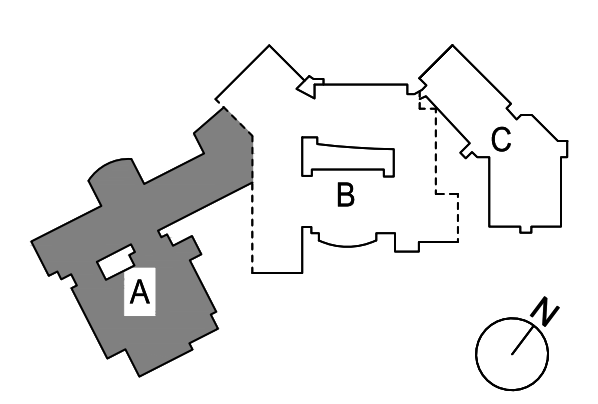


**MECHANICAL PART PLAN - MIDDLE SCHOOL BOILER ROOM**  
1/4" = 1'-0"

PROVIDE CONCRETE HOUSEKEEPING PADS FOR ALL FLOOR-MOUNTED EQUIPMENT, UNLESS OTHERWISE NOTED. EACH CONCRETE EQUIPMENT PAD SHALL BE 4" HIGH AND EXTEND 3" BEYOND THE BASE OF THE UNIT/UNITS IT SERVES ON ALL SIDES, UNLESS OTHERWISE NOTED IN PLANS, SPECIFICATIONS, OR EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAILS.

BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



PROJECT NO. 66-03-01-03-003-031  
MEMASI PROJECT NO. 102-2301

**MECHANICAL PART PLAN - MIDDLE SCHOOL BOILER ROOM**

**MSHS M300**

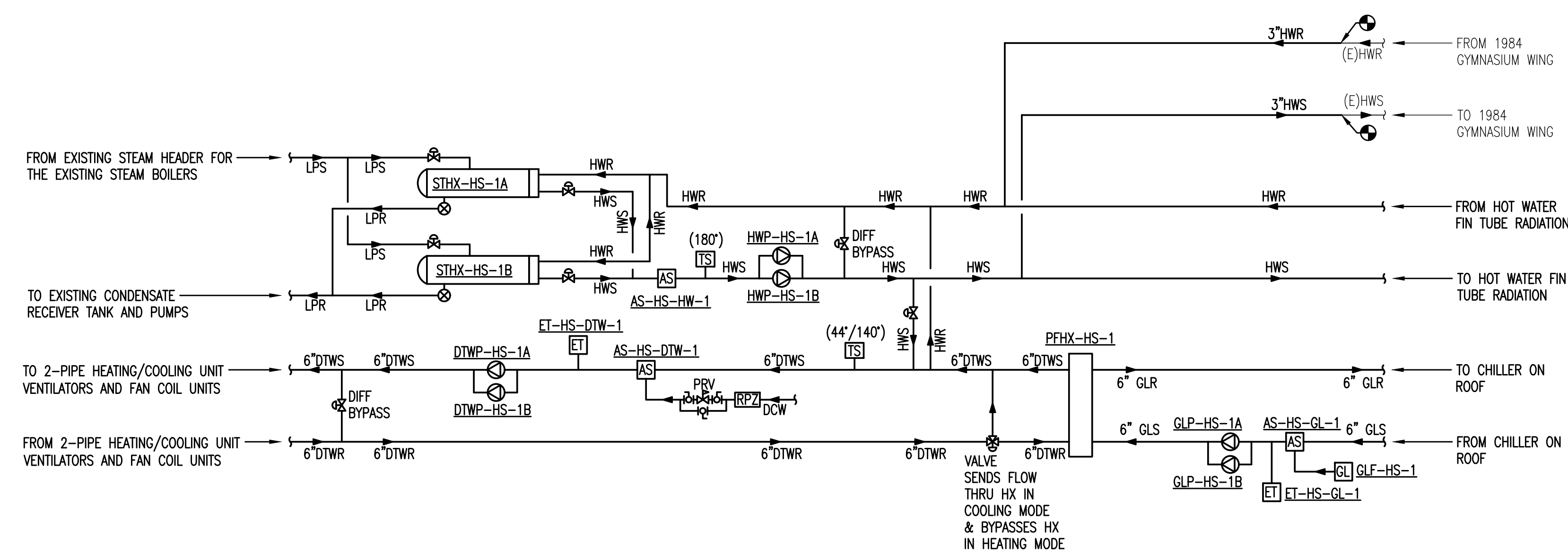


GENERAL NOTES - CUTTING AND PATCHING:

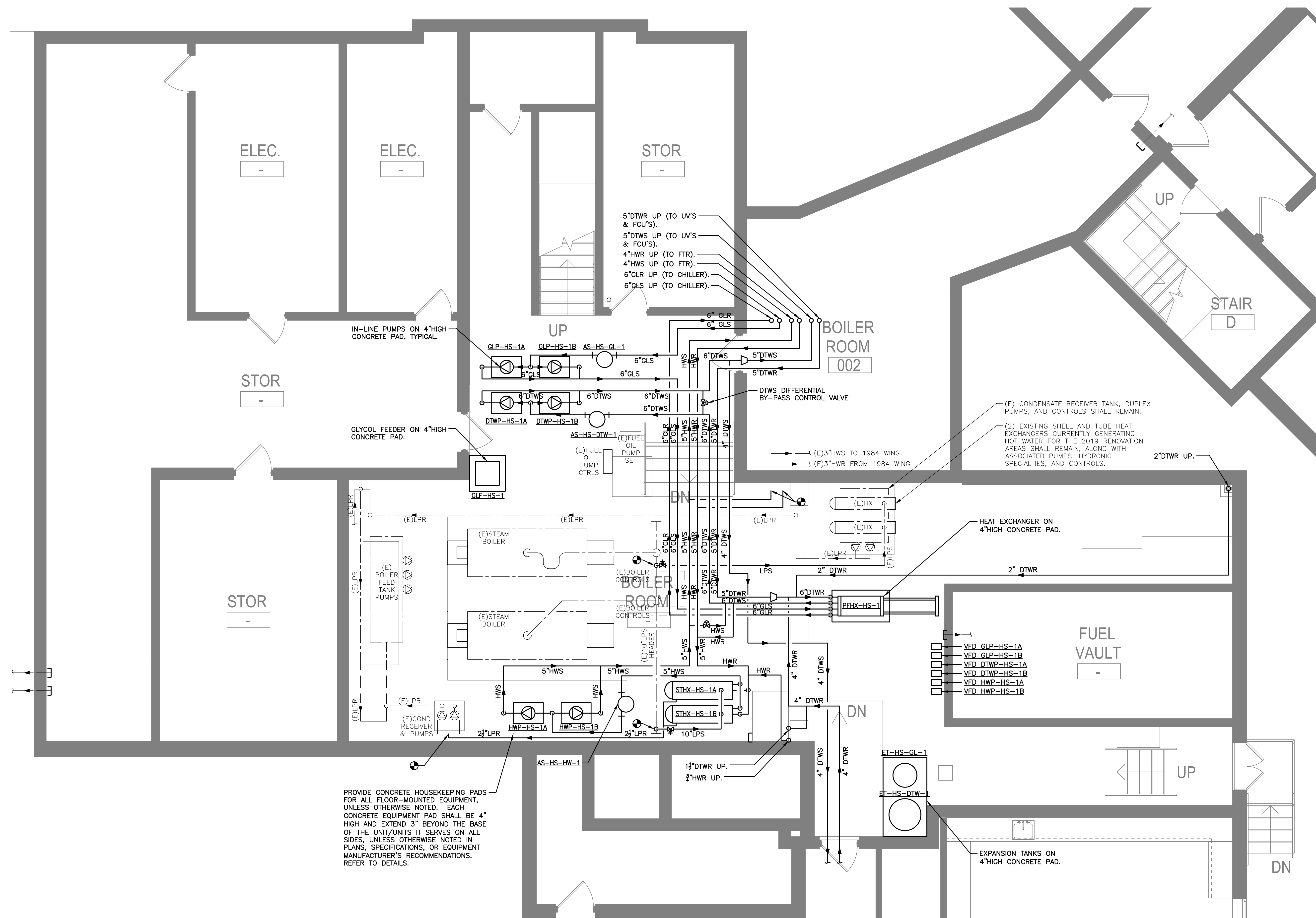
- WHERE NEW EQUIPMENT, DUCTS, PIPES, LOUVERS, GRILLES, WIRES, AND CONDUITS INSTALLED BY THE MECHANICAL CONTRACTOR PENETRATE EXISTING WALLS, PARTITIONS, SHAFTS, CHASES, AND SLABS, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING NEW OPENINGS AND FIRESTOPPING. PROVIDE NEW FRAMING FOR NEW OPENINGS FOR DUCTWORK AND LOUVERS IN ACCORDANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. PLEASE NOTE THAT PREFABRICATED STRUCTURAL SLEEVES SHALL BE UTILIZED INSTEAD OF LINTELS FOR NEW OPENINGS IN EXTERIOR WALLS.

GENERAL NOTES - BOILER ROOM NEW CONSTRUCTION SCOPE SUMMARY:

- (2) EXISTING 7300 MBH INPUT DUAL-FUEL STEAM BOILERS SHALL REMAIN, ALONG WITH ASSOCIATED BURNERS, FLUES, CONTROLS, AND CONDENSATE RECEIVER TANK/PUMPS.
- (2) EXISTING SHELL AND TUBE HEAT EXCHANGERS CURRENTLY GENERATING HOT WATER FOR THE 2019 RENOVATION AREAS SHALL REMAIN, ALONG WITH ASSOCIATED PUMPS, HYDRONIC SPECIALTIES, AND CONTROLS.
- STHX-HS-1A & STHX-HS-1B: F&I (2) NEW SHELL AND TUBE HEAT EXCHANGERS TO GENERATE HOT WATER FOR THE 1984 RENOVATION AREA ALONG WITH ALL PORTIONS OF THE HIGH SCHOOL WHICH ARE CURRENTLY UTILIZING STEAM.
- HWP-HS-1A & HWP-HS-1B: F&I (2) NEW HOT WATER PUMPS TO FEED THE FOLLOWING:
  - NEW HEATING-ONLY HOT WATER DISTRIBUTION FOR PORTIONS OF THE HIGH SCHOOL WHERE STEAM FIN TUBE RADIATION IS BEING REPLACED WITH HOT WATER FIN TUBE RADIATION.
  - EXISTING HOT WATER DISTRIBUTION FOR THE 1984 AREA OF RENOVATION
  - HEAT INJECTION INTO THE NEW DUAL-TEMPERATURE HOT/CHILLED WATER LOOP.
 EACH PUMP SHALL BE IN-LINE TYPE, WITH A VFD. THE PUMPS SHALL OPERATE DUTY/STANDBY FOR REDUNDANCY.
- DTWP-HS-1A & DTWP-HS-1B: F&I (2) NEW DUAL-TEMPERATURE HOT/CHILLED WATER PUMPS TO FEED NEW DUAL-TEMPERATURE HOT/CHILLED WATER DISTRIBUTION. EACH PUMP SHALL BE IN-LINE TYPE, WITH A VFD. THE PUMPS SHALL OPERATE DUTY/STANDBY FOR REDUNDANCY.
- GLP-HS-1A & GLP-HS-1B: F&I (2) NEW CHILLER GLYCOL LOOP PUMPS. EACH PUMP SHALL BE IN-LINE TYPE, WITH A VFD. THE PUMPS SHALL OPERATE DUTY/STANDBY FOR REDUNDANCY.
- PFHX-HS-1: F&I (1) NEW PLATE AND FRAME HEAT EXCHANGER BETWEEN THE CHILLER GLYCOL LOOP AND THE NEW DUAL-TEMPERATURE LOOP (WHICH SHALL NOT HAVE GLYCOL) SERVING 2-PIPE HEATING/COOLING UNIT VENTILATORS AND FAN COIL UNITS.
- REFER TO PLAN, FLOW DIAGRAM, AND SPECIFICATIONS FOR ADDITIONAL DETAILS.



FLOW DIAGRAM  
N.T.S.

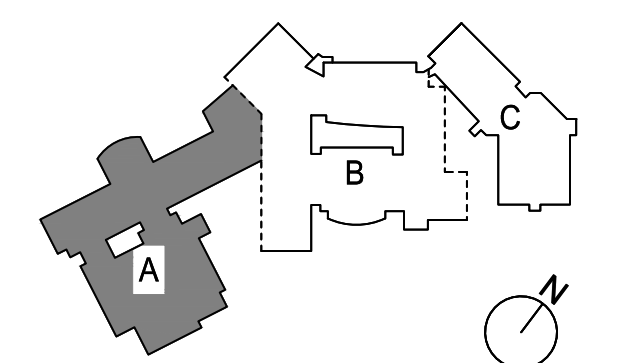


MECHANICAL PART PLAN - HIGH SCHOOL BOILER ROOM

1/4" = 1'-0"

BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

MECHANICAL PART  
PLAN - HIGH SCHOOL  
BOILER ROOM







DESIGNATION	LOCATION	AREA SERVED	HOT WATER COIL SCHEDULE																		REMARKS			
			AIR FLOW DATA			HOT WATER COIL DATA									COIL			WEIGHT (LBS)	TUBE MATERIAL	WALL THICKNESS		MANUFACTURER	MODEL	
			AIR FLOW (CFM)	AIR VELOCITY (FPM)	MAX. AIR P.D. (IN W.C.)	FLUID	MBH	GPM	E.W.T. (°F)	L.W.T. (°F)	E.A.T. (°F)	L.A.T. (°F)	MAX. W.P.D. (FT-WC)	ROWS PER INCH	FINIS	DIMENSIONS (IN)	LENGTH OR DEPTH (IN)							
HWC-HS-1	MECHANICAL ROOM	RTU-HS-1	16,600	800	0.24	WATER	630.1	62.9	180	160.0	55	90.0	8.1	1	10.8	64	48	4	135	COPPER	.020	TRANE	D5WB48064G0AA130EA8A00A	SEE NOTES BELOW

NOTES:  
1. PROVIDE THE FOLLOWING FACTORY-SUPPLIED FEATURES AND OPTIONS FOR ALL UNITS: FLANGED TYPE CONNECTIONS.

DESIGNATION	LOCATION	AREA SERVED	SERVICE	CONFIGURATION	DRIVE TYPE	FAN SCHEDULE																		REMARKS			
						AIRFLOW			BHP			MHP			ELECTRICAL DATA										WEIGHT (LBS)	MANUFACTURER	MODEL
						CFM	EXTERNAL PRESSURE (IN WC)	RPM	MHP	VOLTS	PH	Hz	BY E.C. OR MANUF.	LOCATION	TYPE	ENCLOSURE TYPE	BY M.C. OR MANUF.	LOCATION	TYPE	ENCLOSURE TYPE	EMER. POWER (YN)						
EF-HS-B-1	ART ROOM 017	CLASSROOMS	SPILL AIR	IN-LINE	DIRECT	1,540	0.50	0.36	1,608	1/2	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 1	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	55	GREENHECK	SQ-120-VG	SEE NOTES BELOW	
EF-HS-1-1	CLASSROOM 107	CLASSROOMS	SPILL AIR	IN-LINE	DIRECT	790	0.50	0.11	1,343	1/4	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 1	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	45	GREENHECK	SQ-100-VG	SEE NOTES BELOW	
EF-HS-2-1	CLASSROOM 207	CLASSROOMS	SPILL AIR	IN-LINE	DIRECT	785	0.50	0.11	1,343	1/4	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 1	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	45	GREENHECK	SQ-100-VG	SEE NOTES BELOW	
EF-HS-2-2	SG 213A	CLASSROOMS	SPILL AIR	IN-LINE	DIRECT	780	0.50	0.11	1,343	1/4	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 1	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	45	GREENHECK	SQ-100-VG	SEE NOTES BELOW	
EF-MS-3-1	ROOF	CLASSROOMS	SPILL AIR	UPBLAST	DIRECT	1,220	0.50	0.20	1,292	1/4	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	47	GREENHECK	CUE-120-VG	SEE NOTES BELOW	
EF-MS-3-2	ROOF	CLASSROOMS	SPILL AIR	UPBLAST	DIRECT	1,200	0.50	0.20	1,292	1/4	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	47	GREENHECK	CUE-120-VG	SEE NOTES BELOW	
EF-MS-3-3	ROOF	CLASSROOMS	SPILL AIR	UPBLAST	DIRECT	445	0.50	0.07	1,165	1/4	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	37	GREENHECK	CUE-099-VG	SEE NOTES BELOW	
EF-MS-3-4	ROOF	CLASSROOMS	SPILL AIR	UPBLAST	DIRECT	370	0.50	0.06	1,137	1/4	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	37	GREENHECK	CUE-099-VG	SEE NOTES BELOW	
EF-MS-3-5	ROOF	CLASSROOMS	SPILL AIR	UPBLAST	DIRECT	1,200	0.50	0.20	1,292	1/4	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	47	GREENHECK	CUE-120-VG	SEE NOTES BELOW	
EF-MS-3-6	ROOF	CLASSROOMS	SPILL AIR	UPBLAST	DIRECT	800	0.50	0.11	1,049	1/4	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	47	GREENHECK	CUE-120-VG	SEE NOTES BELOW	
EF-MS-3-7	ROOF	CLASSROOMS	SPILL AIR	UPBLAST	DIRECT	2,410	0.50	0.45	1,047	3/4	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	78	GREENHECK	CUE-160-VG	SEE NOTES BELOW	
EF-MS-3-8	ROOF	CLASSROOMS	SPILL AIR	UPBLAST	DIRECT	395	0.50	0.06	1,137	1/4	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	37	GREENHECK	CUE-099-VG	SEE NOTES BELOW	
EF-HS-3-1	ROOF	CLASSROOMS	SPILL AIR	UPBLAST	DIRECT	1,615	0.50	0.29	1,146	1/2	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	66	GREENHECK	CUE-140-VG	SEE NOTES BELOW	
EF-HS-3-2	ROOF	CLASSROOMS	SPILL AIR	UPBLAST	DIRECT	1,820	0.50	0.36	1,232	1/2	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	66	GREENHECK	CUE-140-VG	SEE NOTES BELOW	
EF-HS-3-3	ROOF	CLASSROOMS	SPILL AIR	UPBLAST	DIRECT	1,000	0.50	0.14	1,154	1/4	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	47	GREENHECK	CUE-120-VG	SEE NOTES BELOW	
EF-HS-R-1	ROOF	CLASSROOMS	SPILL AIR	UPBLAST	DIRECT	540	0.50	0.09	1,096	1/10	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	31	GREENHECK	CUE-090-VG	SEE NOTES BELOW	
EF-HS-R-2	ROOF	CLASSROOMS	SPILL AIR	UPBLAST	DIRECT	775	0.50	0.16	1,701	1/8	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	33	GREENHECK	CUE-095-VG	SEE NOTES BELOW	
EF-HS-R-3	ROOF	CLASSROOMS	SPILL AIR	UPBLAST	DIRECT	785	0.50	0.16	1,701	1/8	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	33	GREENHECK	CUE-095-VG	SEE NOTES BELOW	
EF-HS-R-4	ROOF	CLASSROOMS	SPILL AIR	UPBLAST	DIRECT	1,030	0.50	0.14	1,154	1/4	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	47	GREENHECK	CUE-120-VG	SEE NOTES BELOW	
EF-HS-R-5	ROOF	CLASSROOMS	SPILL AIR	UPBLAST	DIRECT	455	0.50	0.07	1,165	1/4	115	1	60	MANUF.	UNIT MTD.	NON-FUSED	NEMA 3R	MANUF.	INTEGRAL TO MOTOR	ECM	NEMA 1	N	37	GREENHECK	CUE-099-VG	SEE NOTES BELOW	

NOTES:  
1. PROVIDE THE FOLLOWING FOR ALL "EF" FANS:  
1.1. FOR ROOFTOP FANS, 12" HIGH ROOF CURB, MEASURED FROM TOP OF ROOF SURFACE. INCREASE CURB HEIGHT AS NEEDED FOR ROOF INSULATION THICKNESS.  
1.2. MOTORIZED BACKDRAFT DAMPER.  
1.3. ECM MOTOR CONTROLLER INTEGRAL TO FAN MOTOR, WITH CONTACTS SUITABLE FOR BMS TIE-IN, GREENHECK "VARI-GREEN" OR EQUAL.

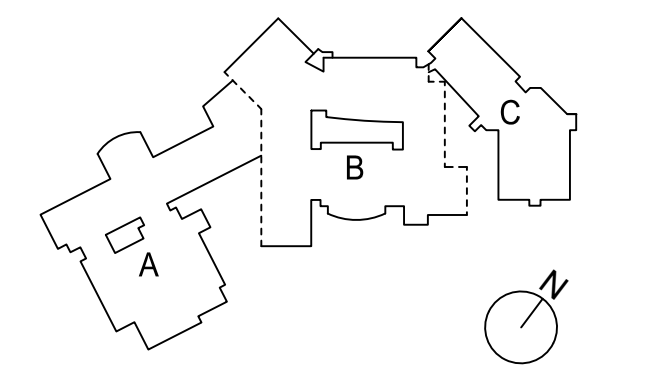
DESIGNATION	SERVICE	TYPE	NOMINAL OVERALL DIMENSION (IN)	NECK SIZE (IN)	CFM RANGE	CONFIGURATION	BORDER TYPE	MATERIAL OF CONSTRUCTION	EQUALIZING GRID IN NECK	OPPOSED BLADE DAMPER IN NECK	FILTER RACK	FINISH COLOR	MANUFACTURER	MODEL	REMARKS
CD-A	SUPPLY	CEILING DIFFUSER	24x24	6"DIA	0-100	PLAQUE-STYLE, 4-WAY THROW	LAY-IN	STEEL	YES	NO	NO	WHITE	TITUS	OMNI	SEE NOTES BELOW
				8"DIA	101-175										
				10"DIA	176-350										
				12"DIA	351-550										
ER-A	EXHAUST	CEILING OR SIDEWALL REGISTER	24x12, 24x24, OR AS NOTED ON PLAN	24x12 W ADAPTER TO 6"DIA	0-100	LOUVERED FACE, 1/2" BLADE SPACING, 35° FIXED DEFLECTION	LAY-IN OR SURFACE MOUNTED	ALUMINUM	NO	ONLY IF REGISTER IS MOUNTED TO EXPOSED SPIRAL DUCT	NO	WHITE	TITUS	355FL	SEE NOTES BELOW
				24x12 W ADAPTER TO 8"DIA	101-175										
				24x12 W ADAPTER TO 10"DIA	176-350										
				24x12 W ADAPTER TO 12"DIA	351-550										
RR-A	RETURN	CEILING OR SIDEWALL REGISTER	24x12, 24x24, OR AS NOTED ON PLAN	24x12 W ADAPTER TO 6"DIA	0-100	LOUVERED FACE, 1/2" BLADE SPACING, 35° FIXED DEFLECTION	LAY-IN OR SURFACE MOUNTED	STEEL	NO	ONLY IF REGISTER IS MOUNTED TO EXPOSED SPIRAL DUCT	NO	WHITE	TITUS	355RL	SEE NOTES BELOW
				24x12 W ADAPTER TO 8"DIA	101-175										
				24x12 W ADAPTER TO 10"DIA	176-350										
				24x12 W ADAPTER TO 12"DIA	351-550										
SR-A	SUPPLY	CEILING/SIDEWALL REGISTER	RE: PLAN	RE: PLAN	RE: PLAN	INDIVIDUALLY ADJUSTABLE BLADES, 3/4" BLADE SPACING, DOUBLE DEFLECTION	LAY-IN OR SURFACE MOUNTED	STEEL	NO	ONLY IF REGISTER IS MOUNTED TO EXPOSED SPIRAL DUCT	NO	WHITE	TITUS	300RL	SEE NOTES BELOW

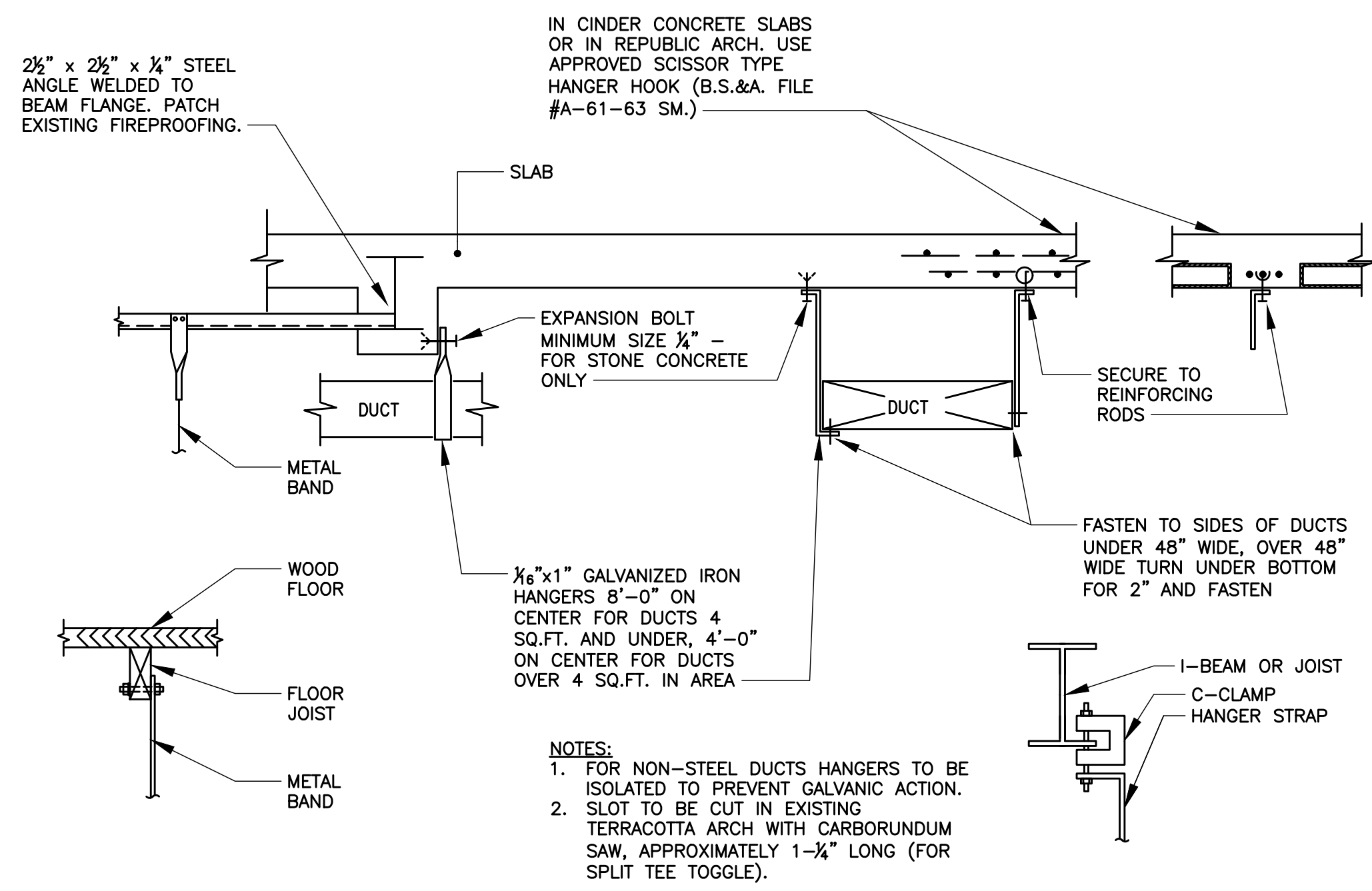
NOTES:  
1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.  
2. ALL FINISH COLORS ARE SUBJECT TO APPROVAL BY THE ARCHITECT. SUBMIT COLOR CHART FOR REVIEW.  
3. COORDINATE BORDER TYPES WITH ARCHITECTURAL CEILING SPECIFICATIONS.  
4. RR-A, ER-A:  
4.1. PROVIDE FACTORY FURNISHED SQUARE-TO-ROUND ADAPTER FOR EACH REGISTER, MATTE BLACK FINISH FOR INTERNAL SURFACES.

BID SET  
ISSUE

12/18/2023  
DATE

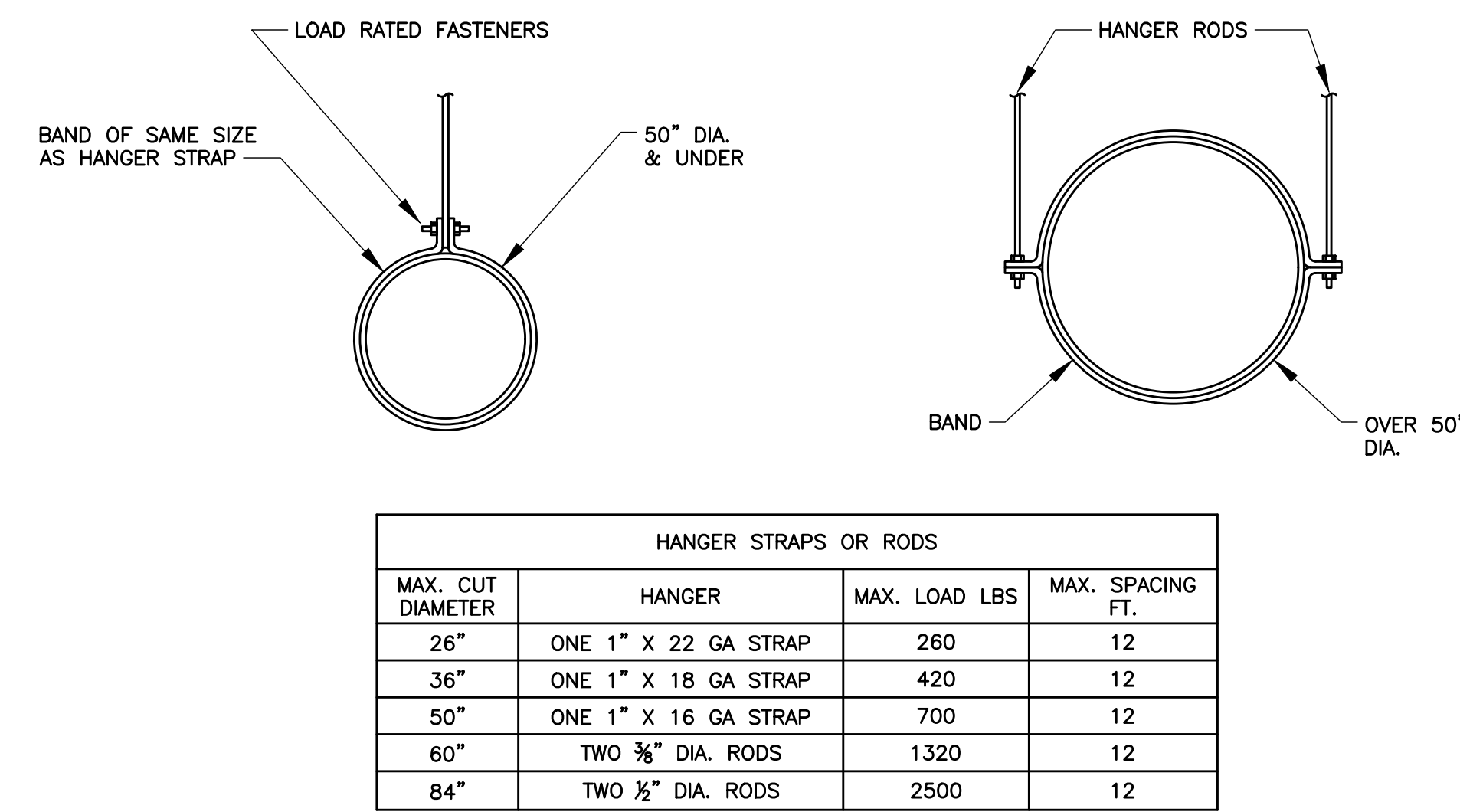
KEY PLAN





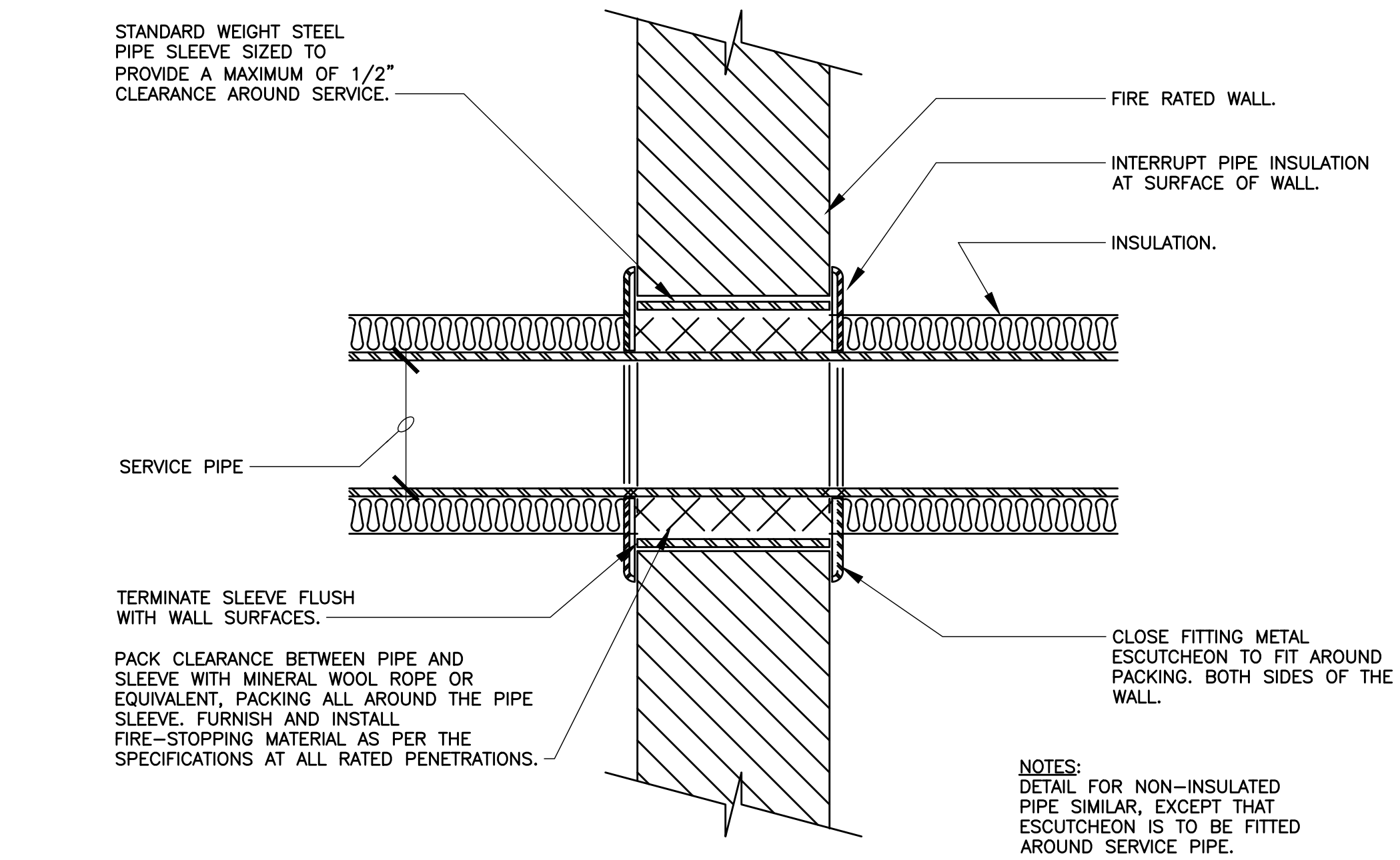
TYPICAL DUCT HANGING DETAIL

N.T.S.



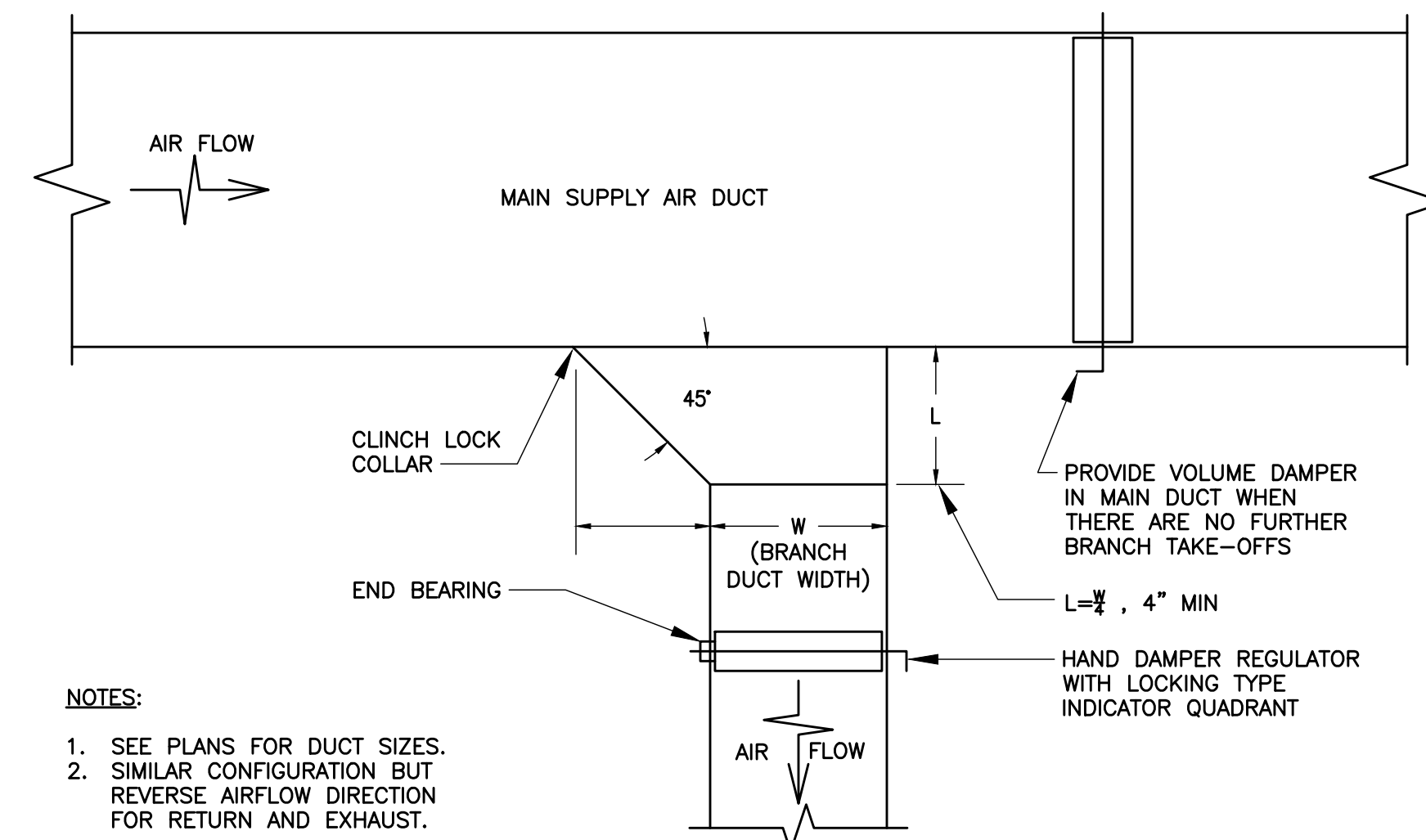
ROUND DUCTWORK HANGERS

N.T.S.



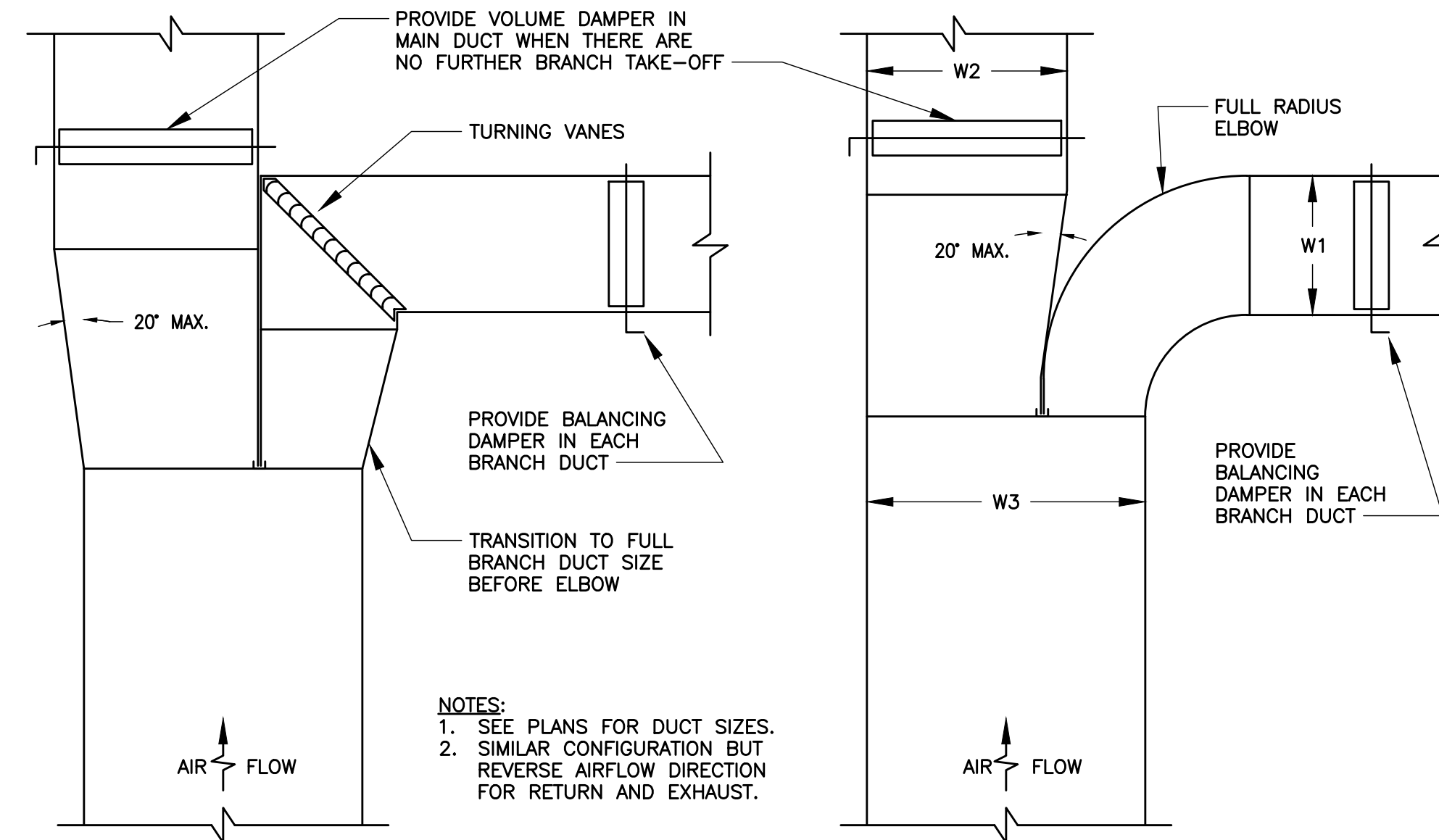
DETAIL OF PIPE THROUGH RATED PARTITION OR FLOOR

N.T.S.



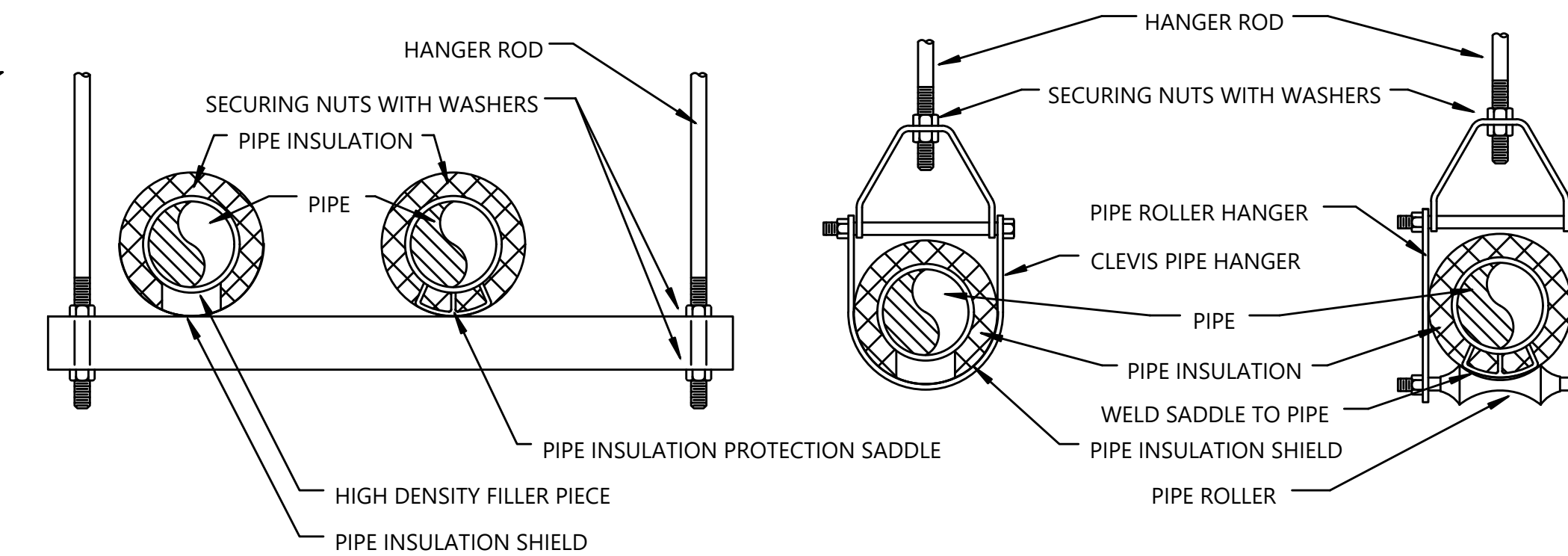
TYPICAL DETAIL OF RECTANGULAR SUPPLY AIR DUCT TAP

N.T.S.



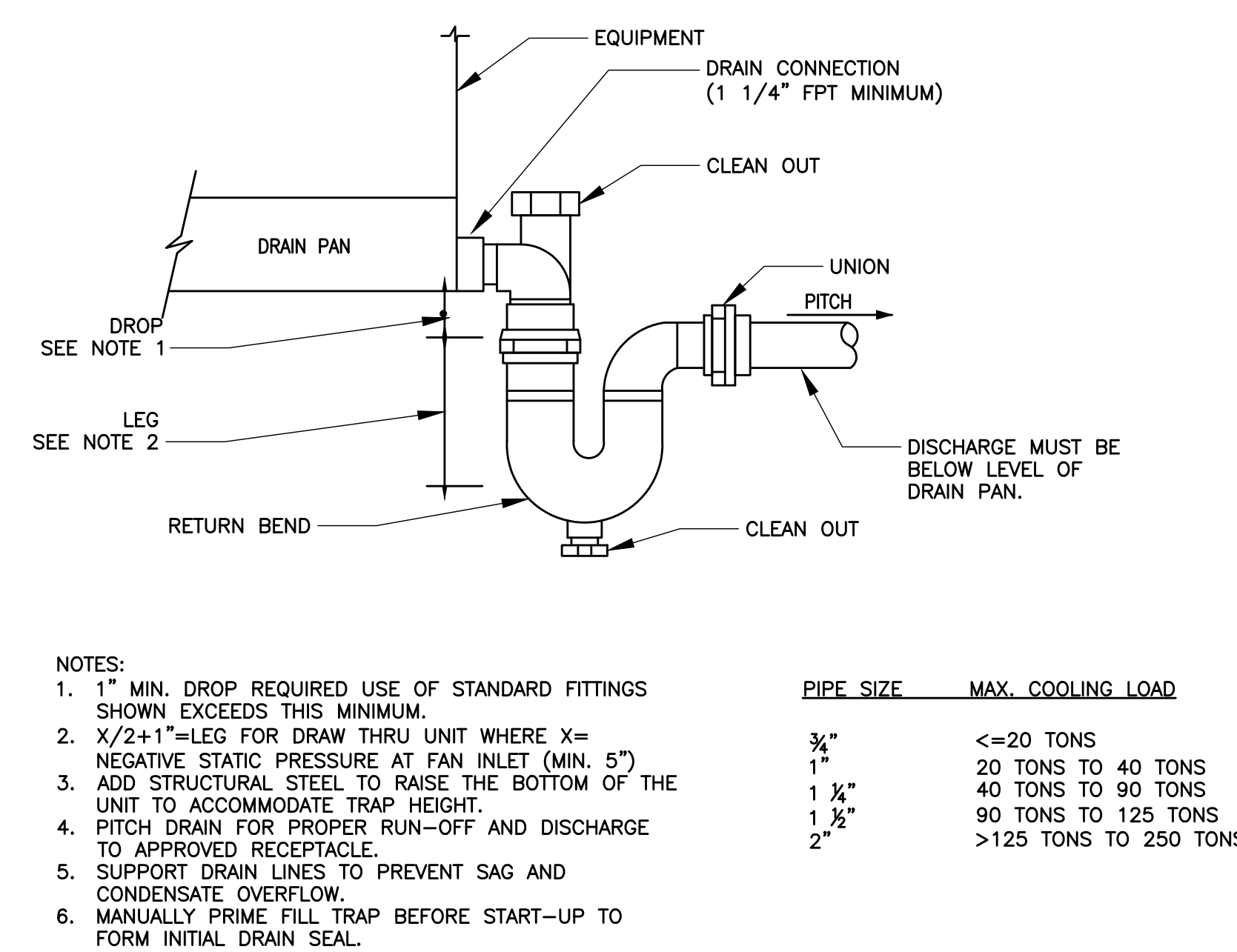
DETAIL OF LOW PRESSURE SUPPLY AIR DUCT NECK CONNECTIONS

N.T.S.



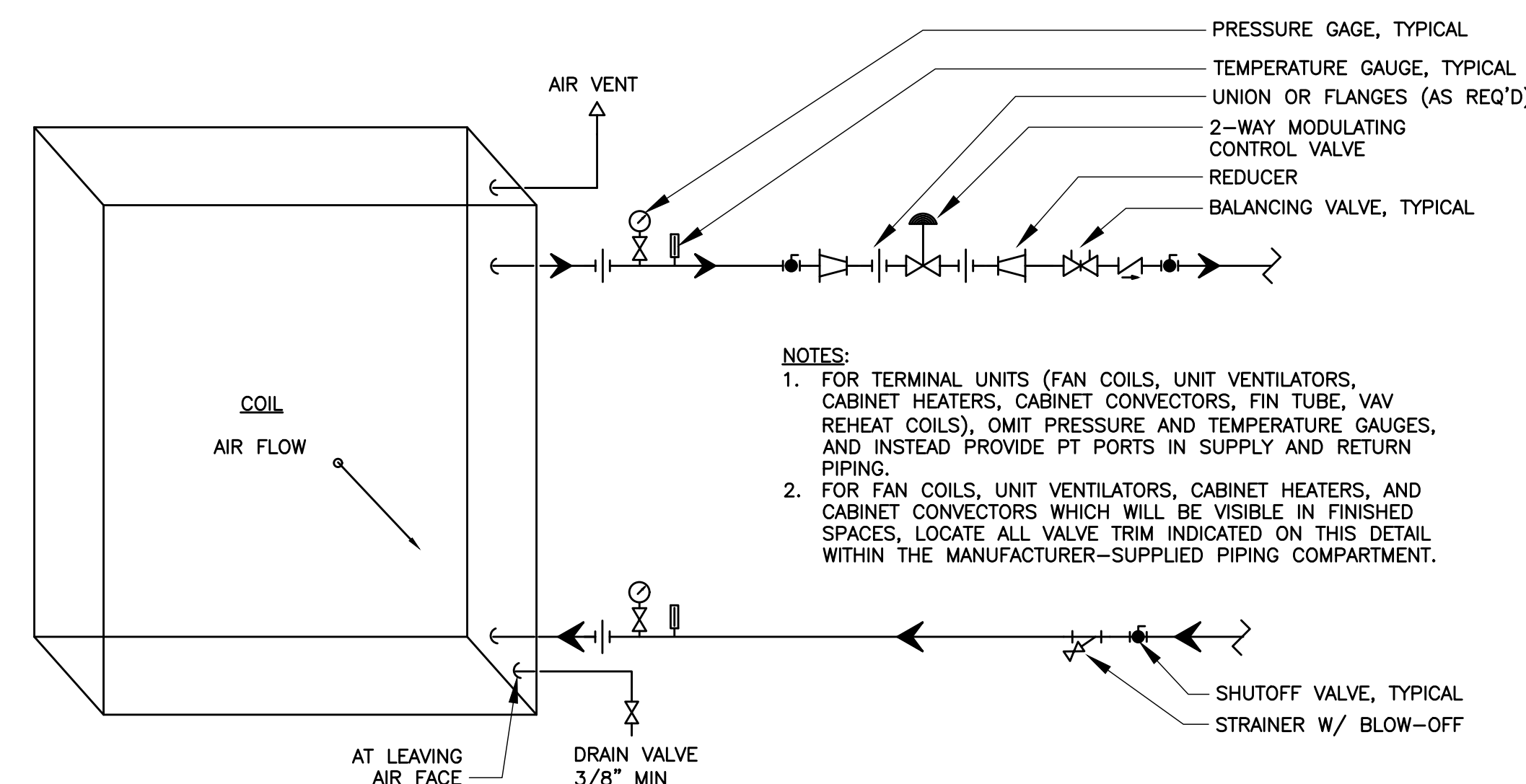
PIPE HANGING DETAIL

N.T.S.



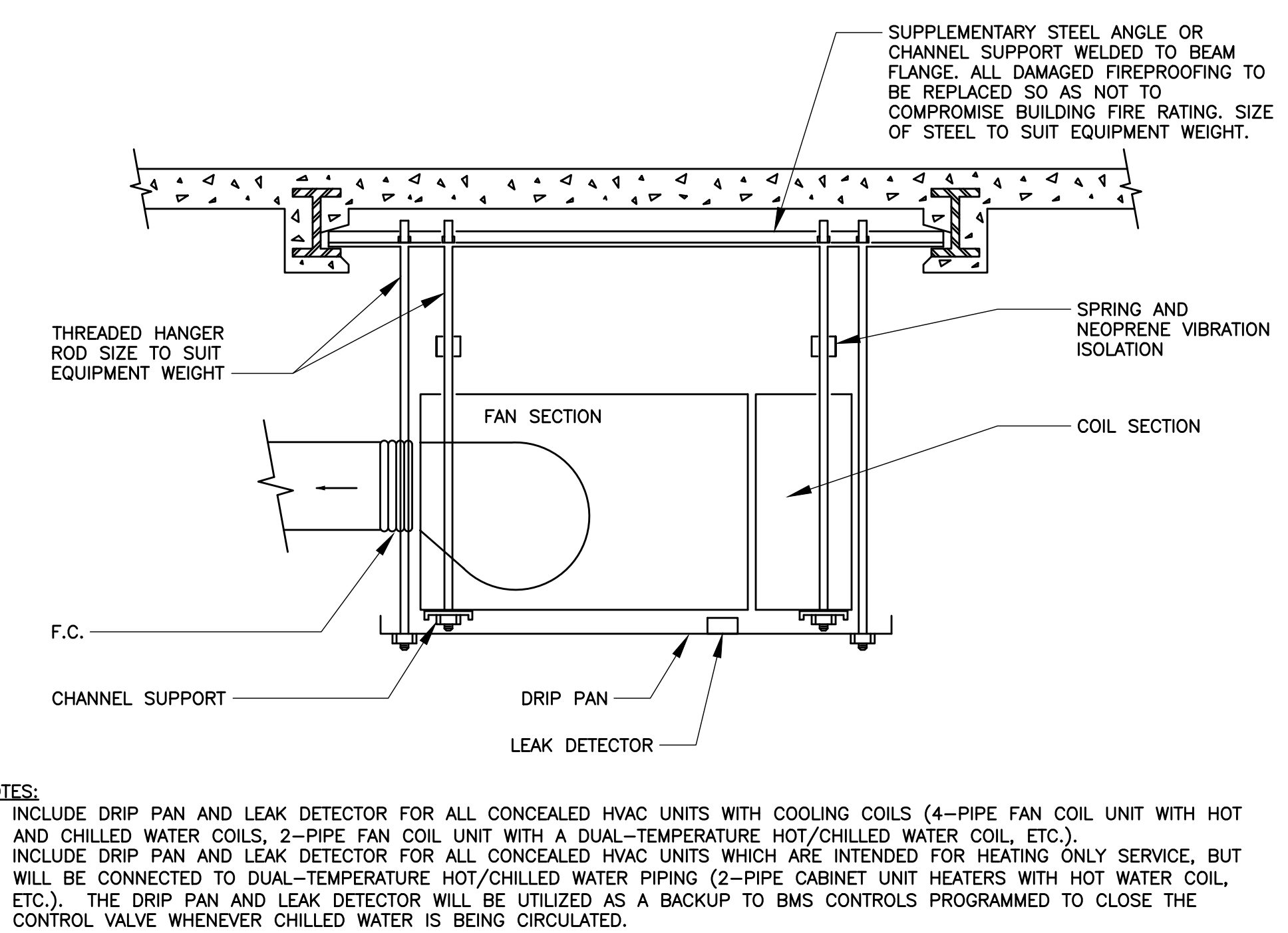
TYPICAL CONDENSATE DRAIN PIPING DETAIL (DRAW THROUGH)

N.T.S.



HOT WATER, CHILLED WATER, OR DUAL TEMPERATURE COIL PIPING DETAIL

N.T.S.

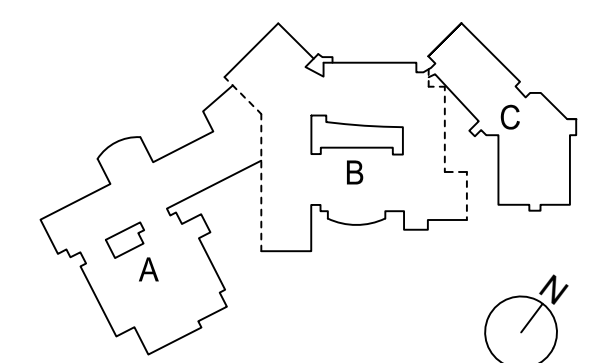


HVAC EQUIPMENT HANGING DETAIL

N.T.S.

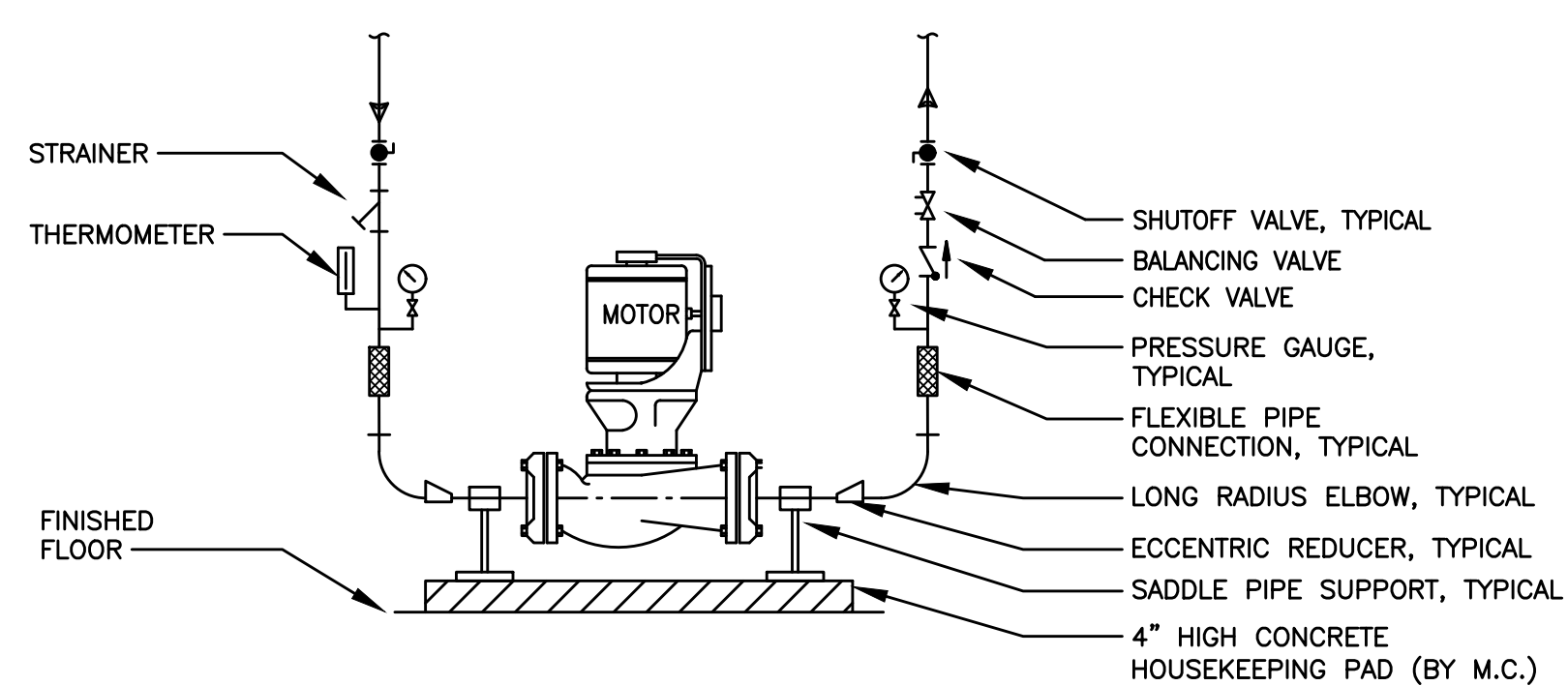
BID SET 12/18/2023  
ISSUE DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

MECHANICAL  
DETAILS

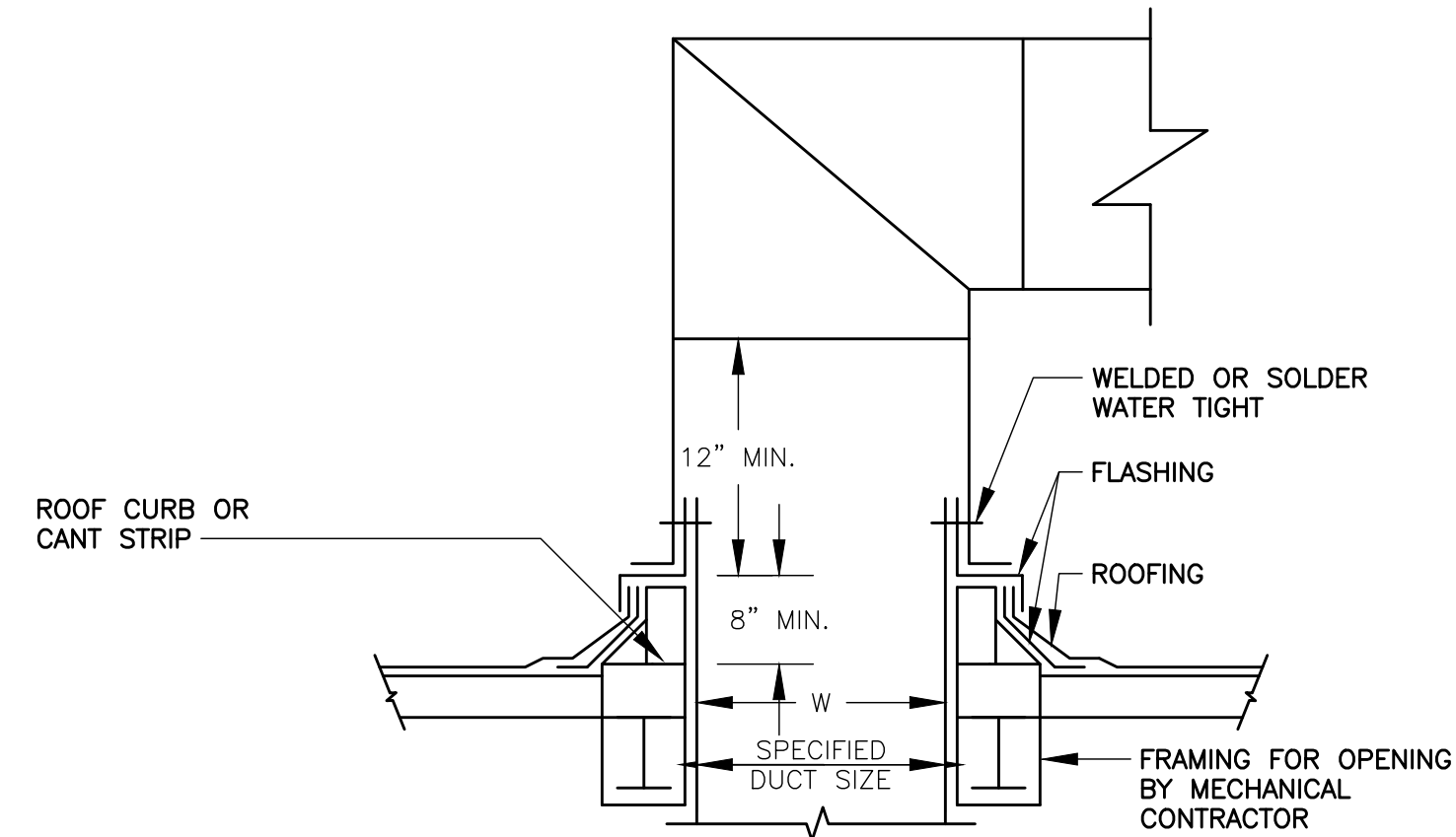


**IN-LINE PUMP DETAIL - FLOOR MOUNTED**

N.T.S.

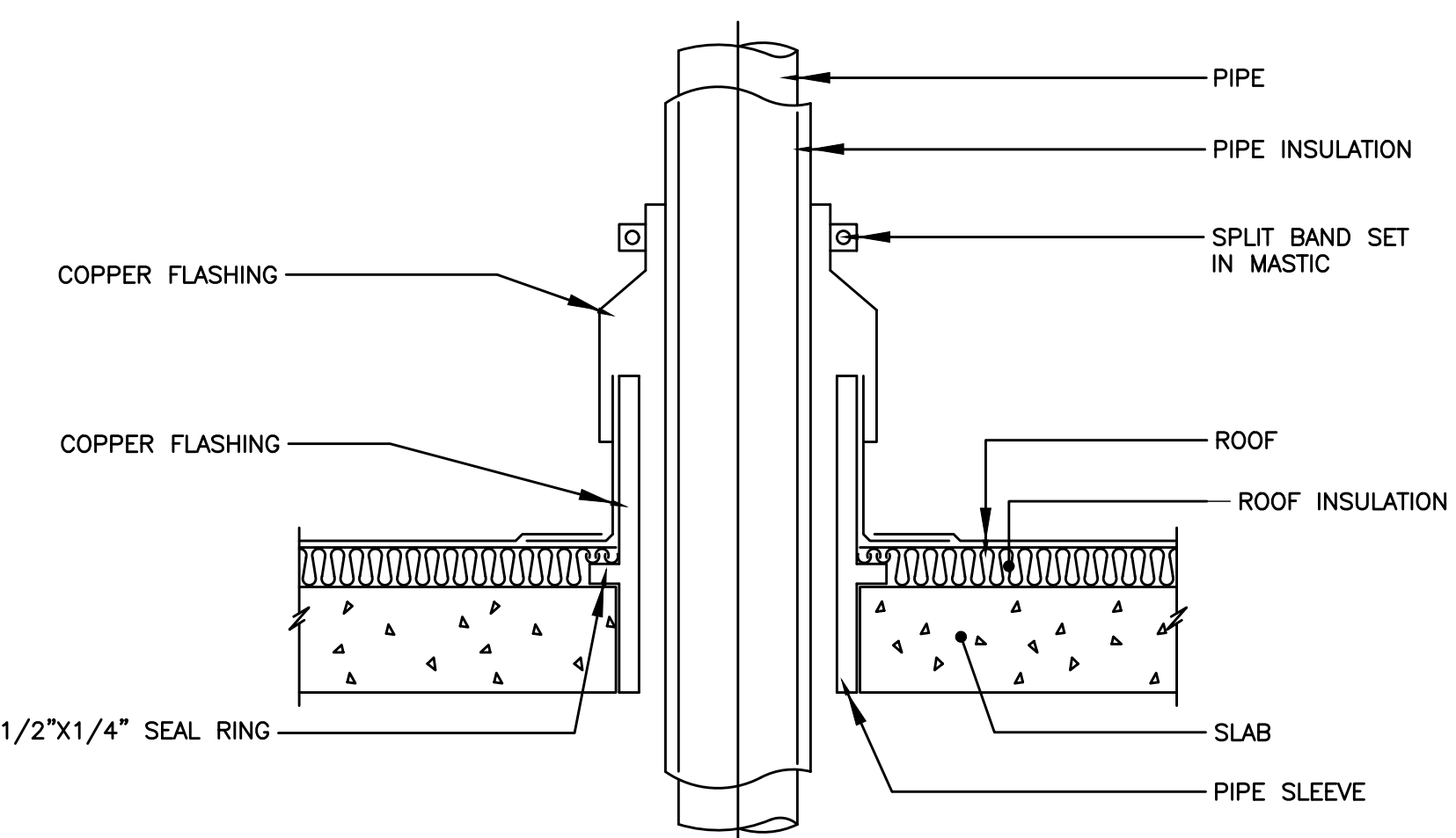
ALL WORK ASSOCIATED WITH ROOFTOP MECHANICAL UNITS, DUCTWORK COMPONENTS, ETC. IS BY MECHANICAL CONTRACTOR. INCLUDING:

- A. LAYOUT AND HOLE CUT
- B. SUPPORT STEEL
- C. CURBS, CURB ADAPTORS, RAILS, PITCH POCKETS, PIPE PENETRATIONS, ETC.
- D. ROOF FLASHING AND PATCHING (BY ROOFING SUBCONTRACTOR WHO IS AUTHORIZED BY MANUFACTURER TO MAINTAIN WARRANTY).



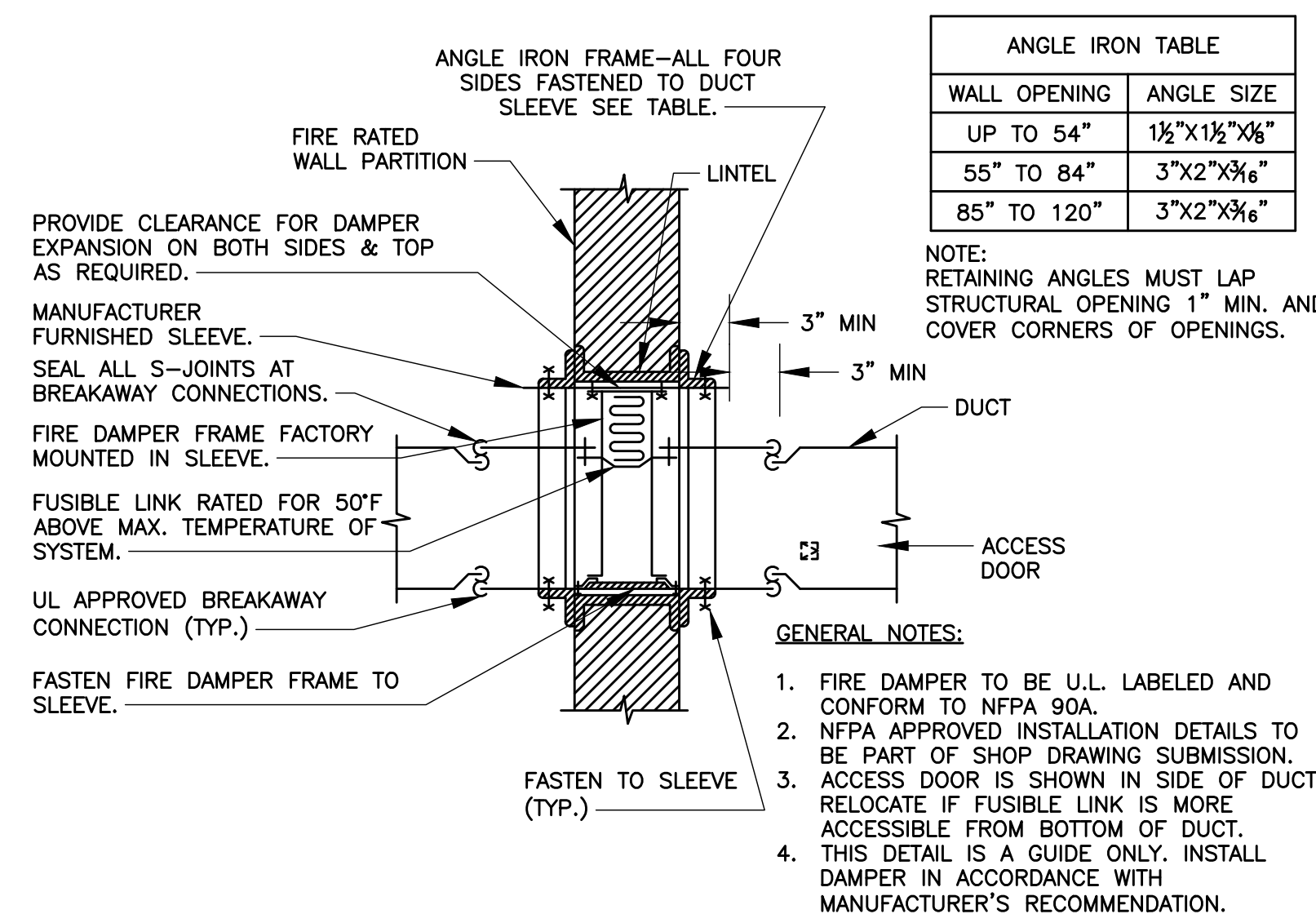
**DUCT PENETRATION THROUGH ROOF DETAIL**

N.T.S.



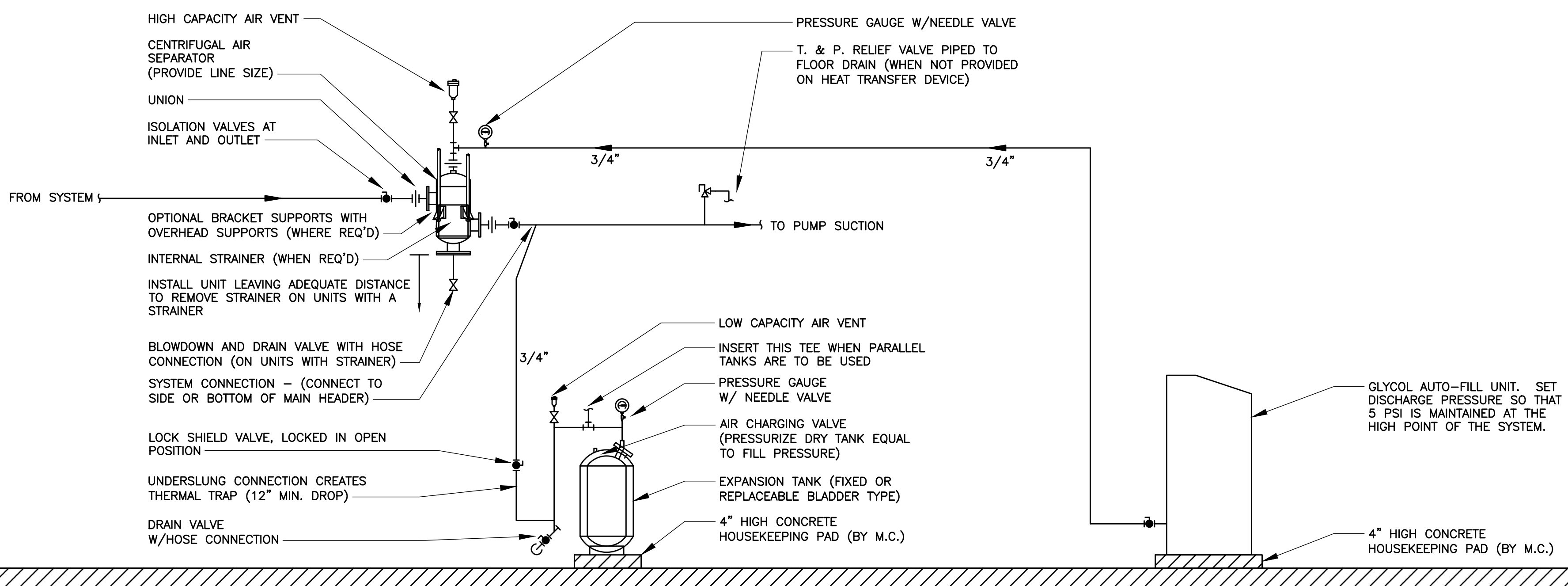
**PIPE PENETRATION THROUGH ROOF DETAIL**

N.T.S.



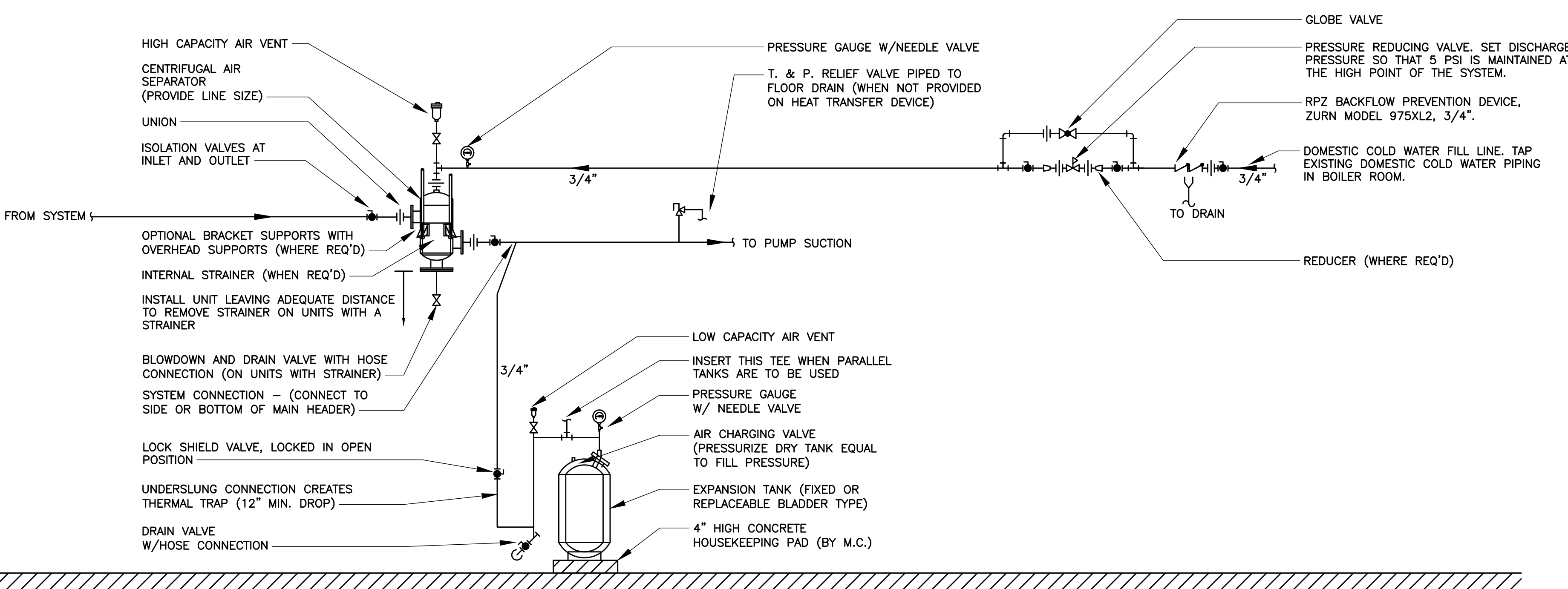
**VERTICAL FIRE DAMPER DETAIL TYPE "B" (OUT OF AIR STREAM)**

N.T.S.



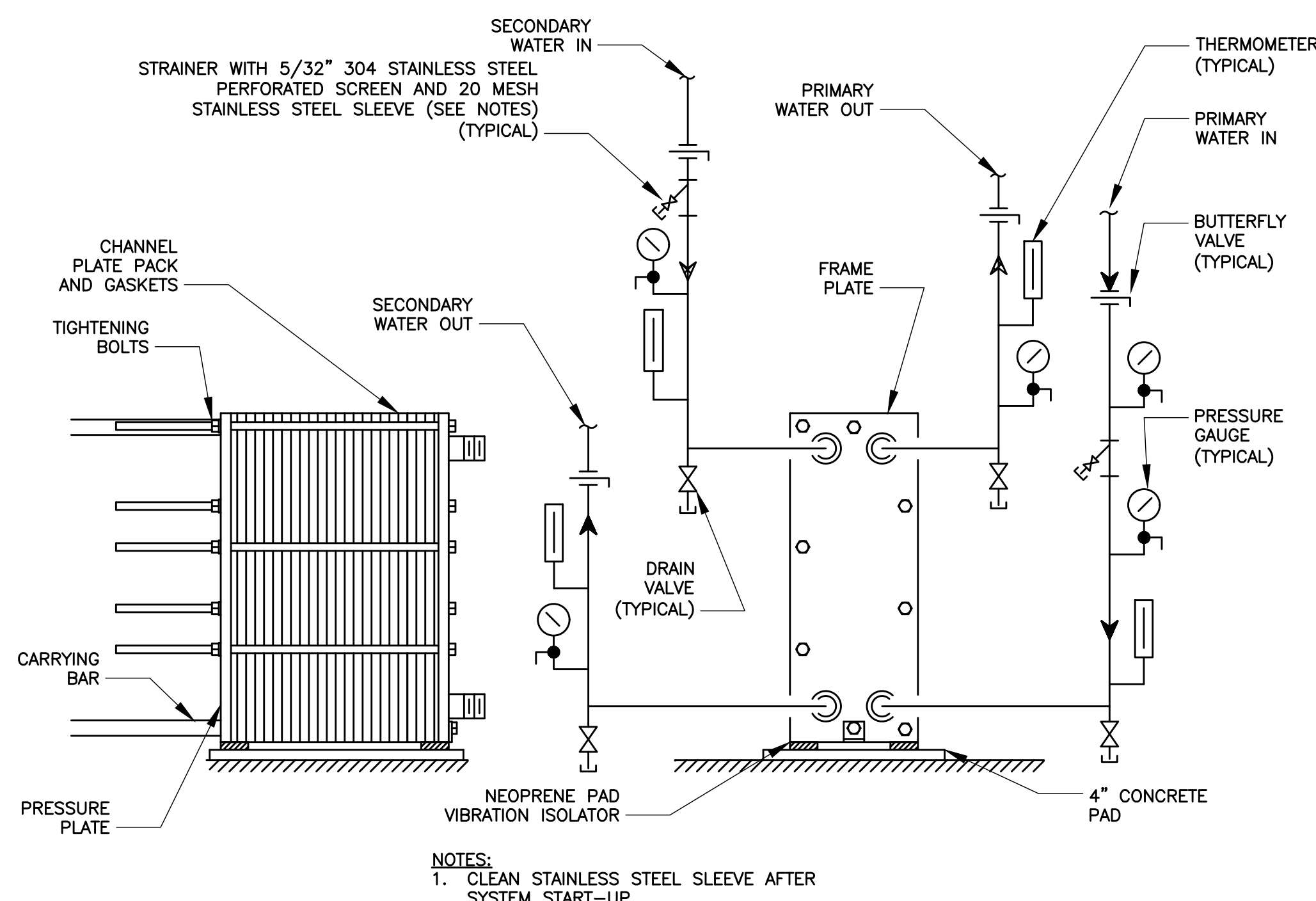
**AIR SEPARATOR, EXPANSION TANK, AND GLYCOL FEEDER DETAIL**

N.T.S.



**AIR SEPARATOR, EXPANSION TANK, AND COLD WATER MAKEUP DETAIL**

N.T.S.

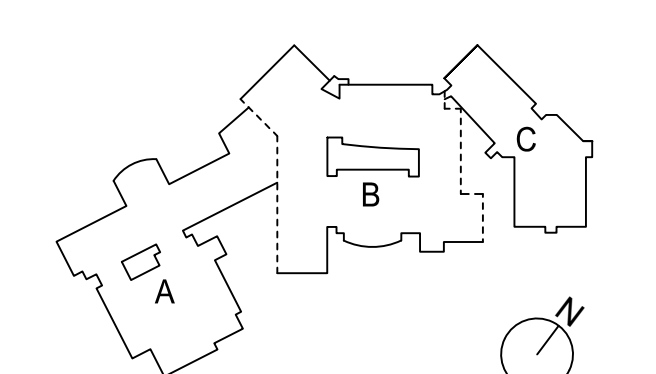


**PLATE AND FRAME HEAT EXCHANGER DETAIL**

N.T.S.

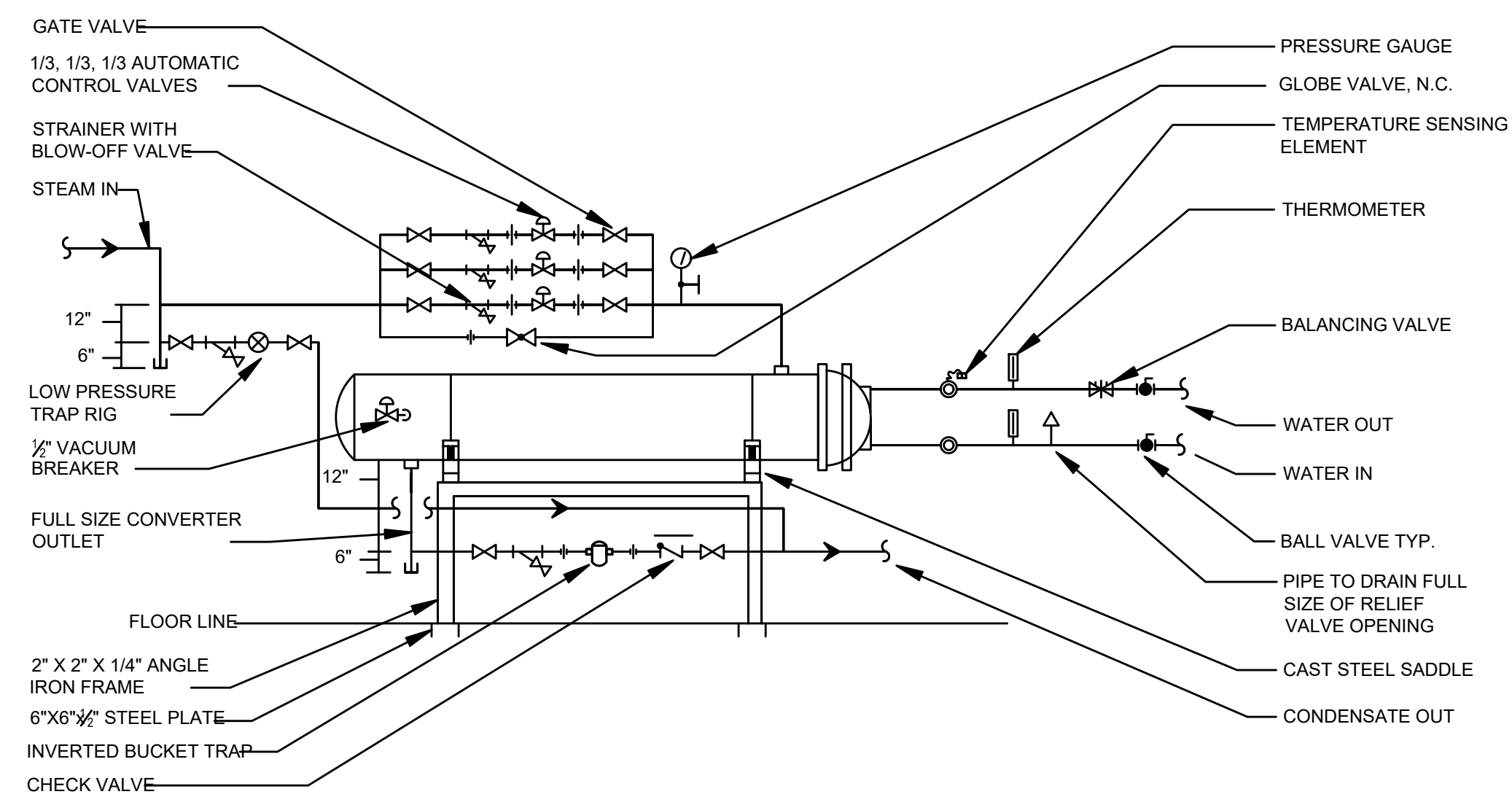
BID SET	12/18/2023
ISSUE	DATE

KEY PLAN

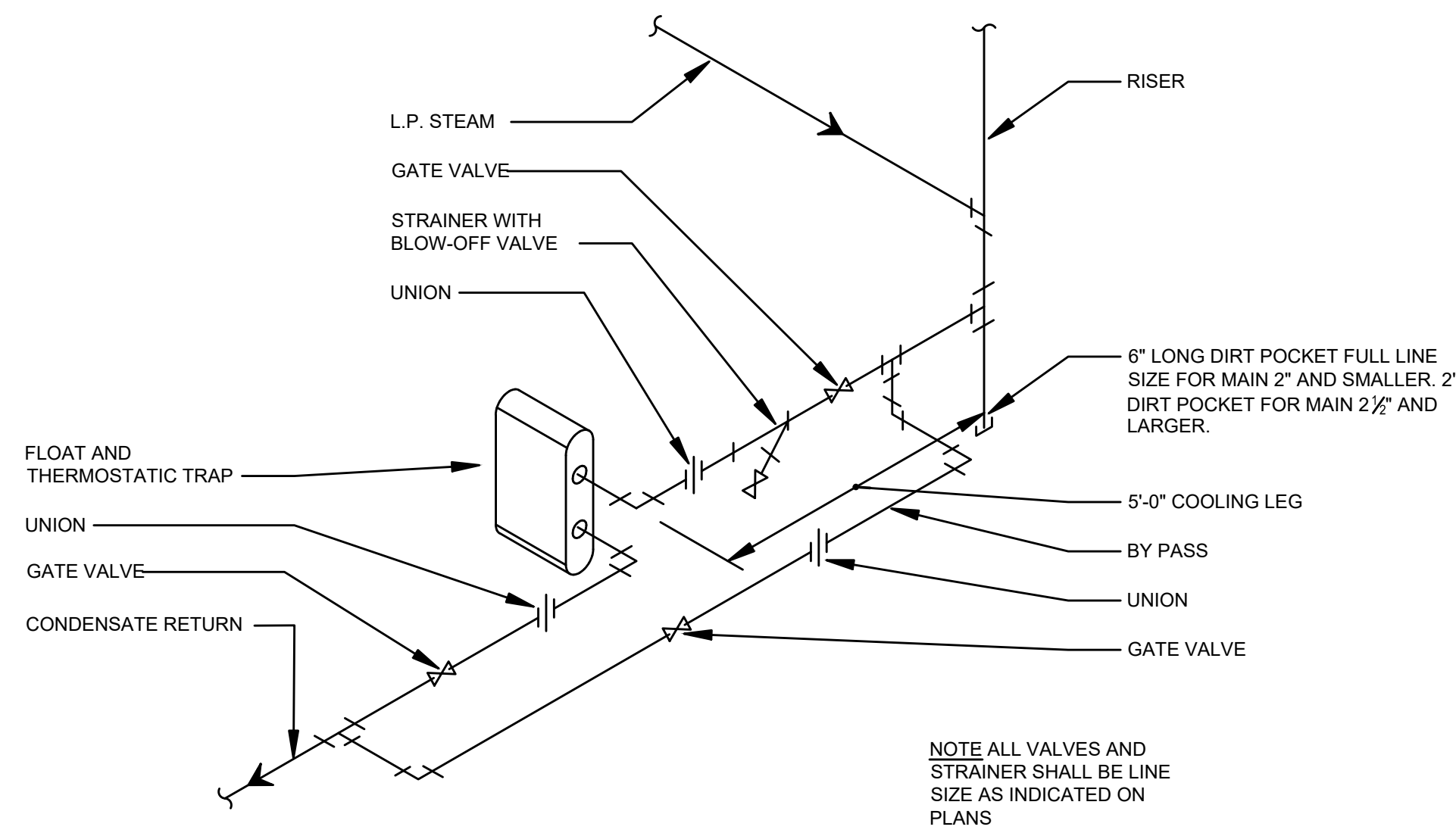


PROJECT NO.	66-03-01-03-0-003-031
MEMASI PROJECT NO.	102-2301

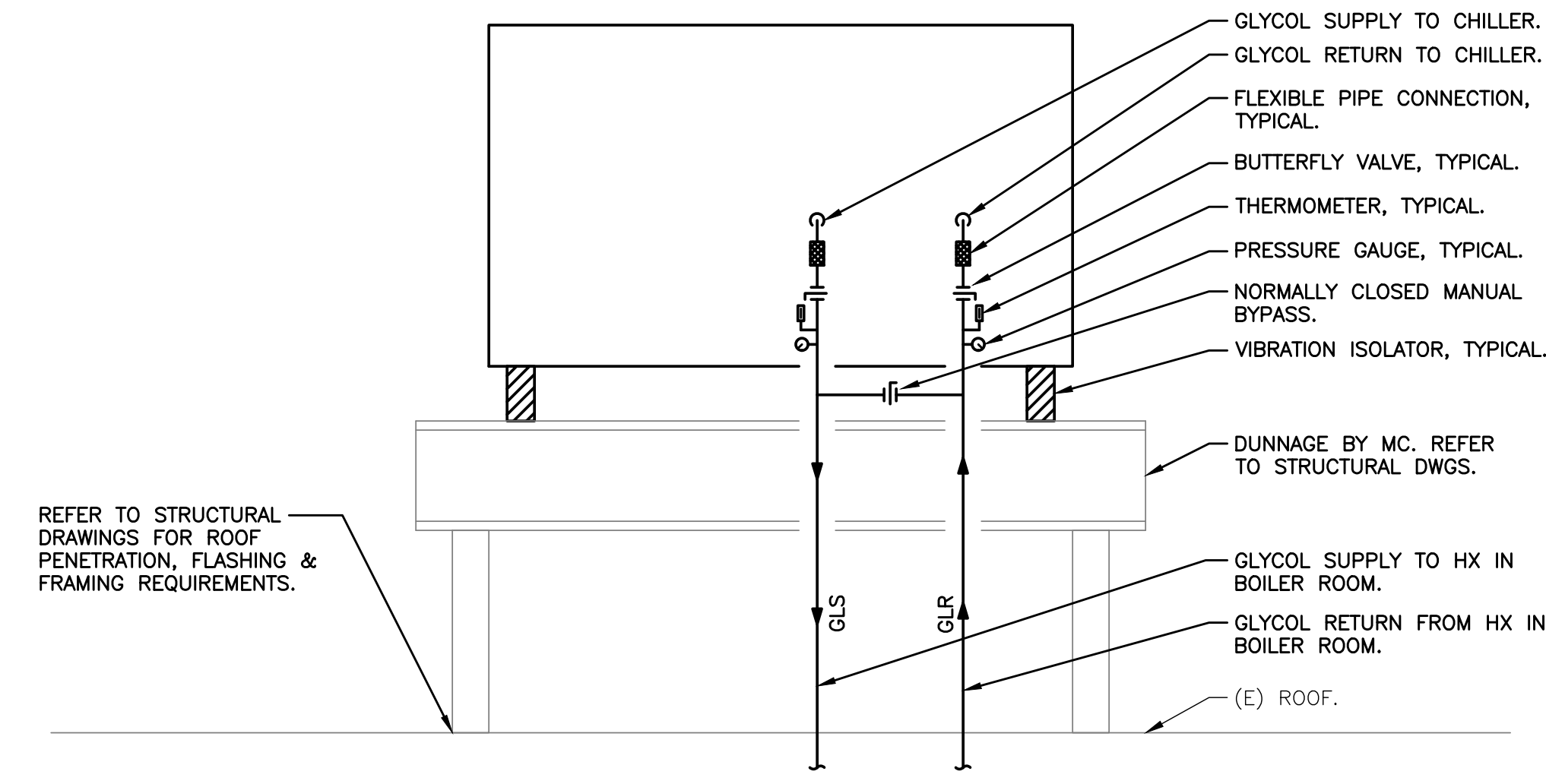
**MECHANICAL  
DETAILS**



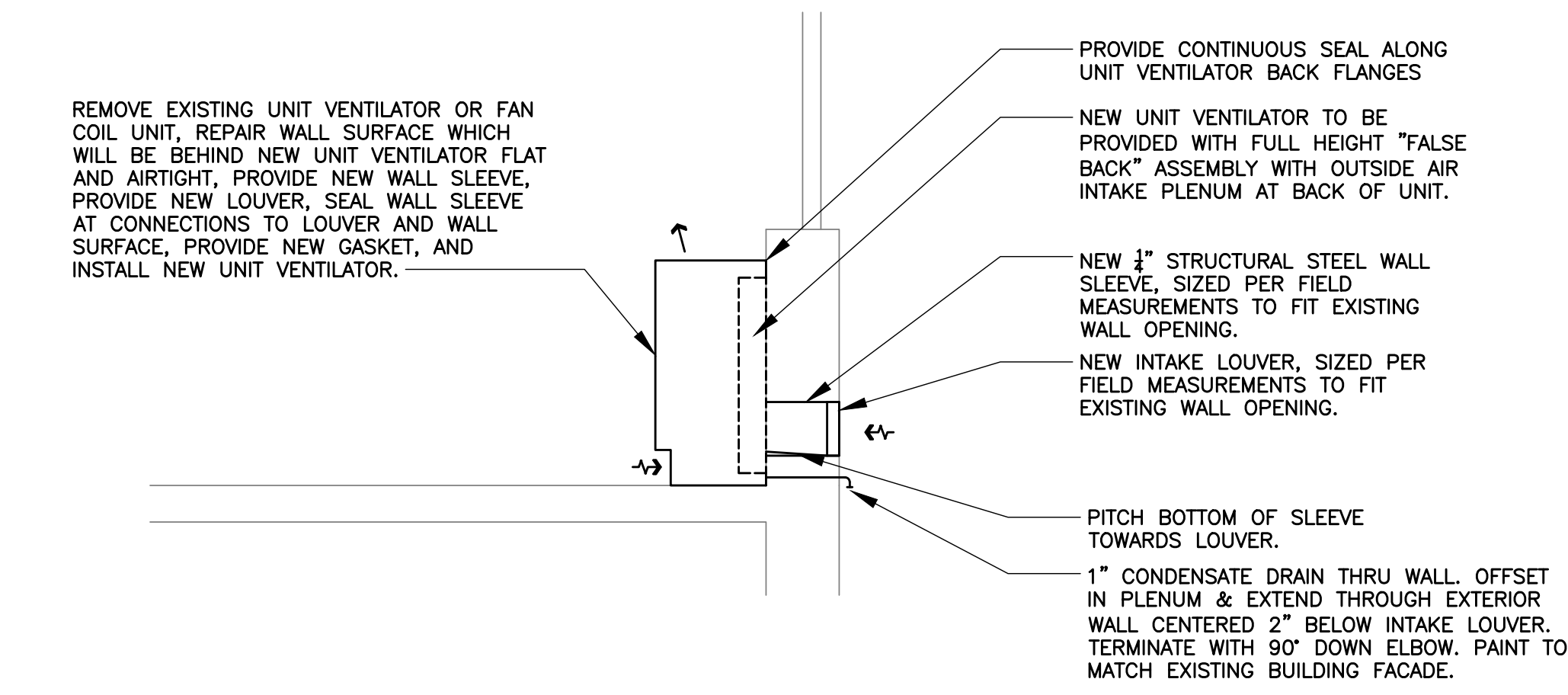
SHELL AND TUBE HEAT EXCHANGER DETAIL  
N.T.S.



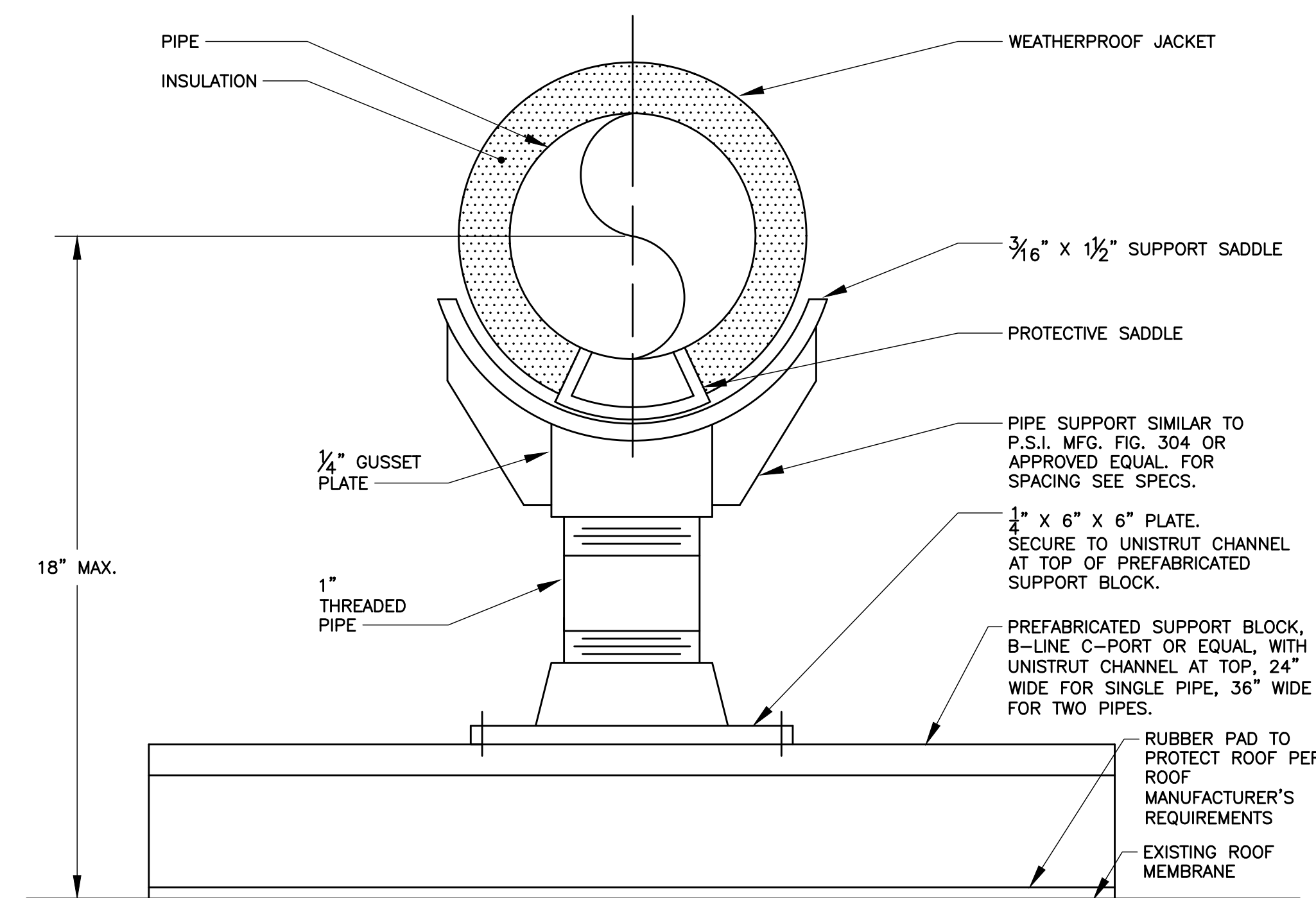
STEAM TRAP PIPING DETAIL  
N.T.S.



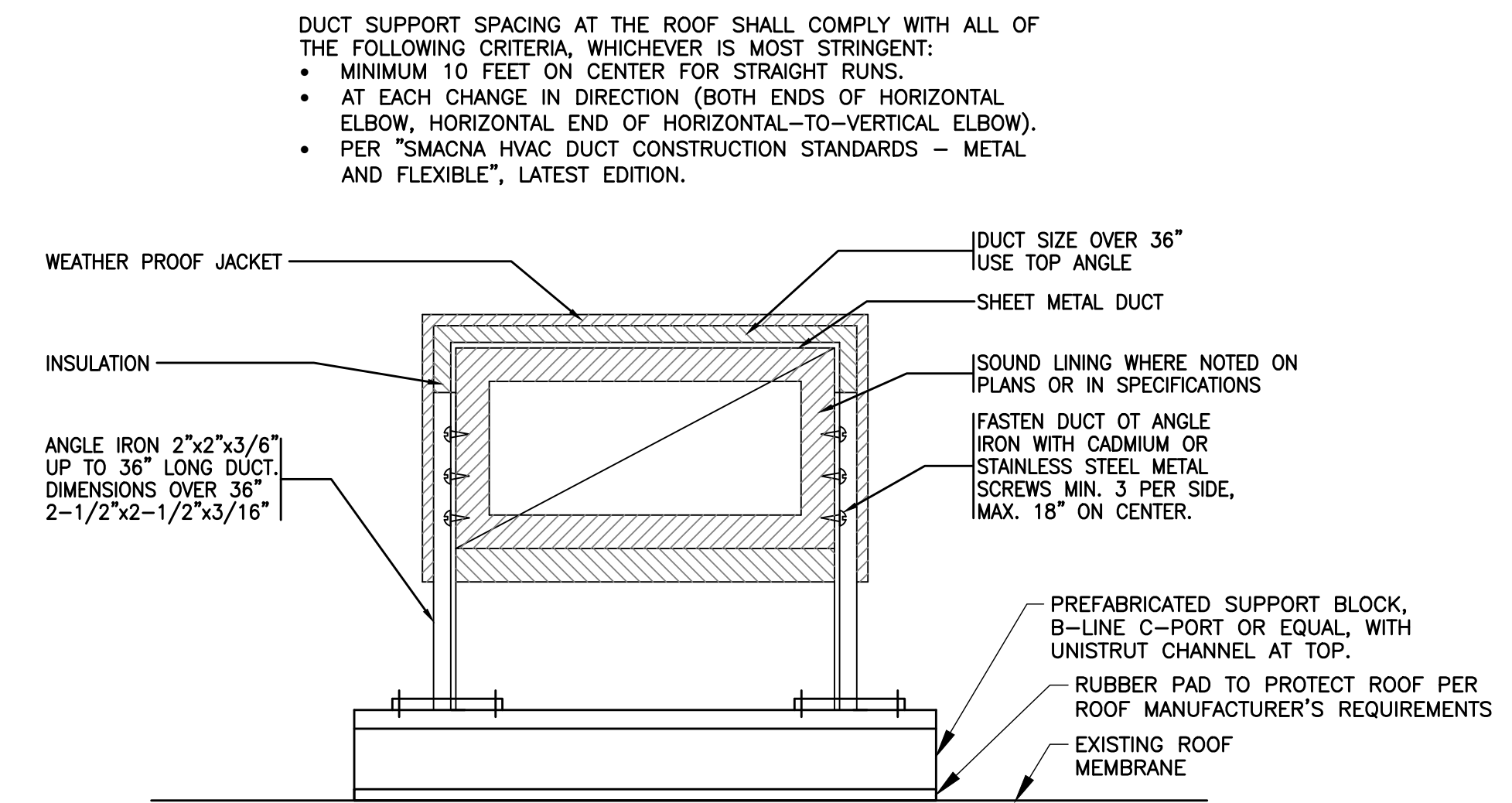
CHILLER PIPING DETAIL



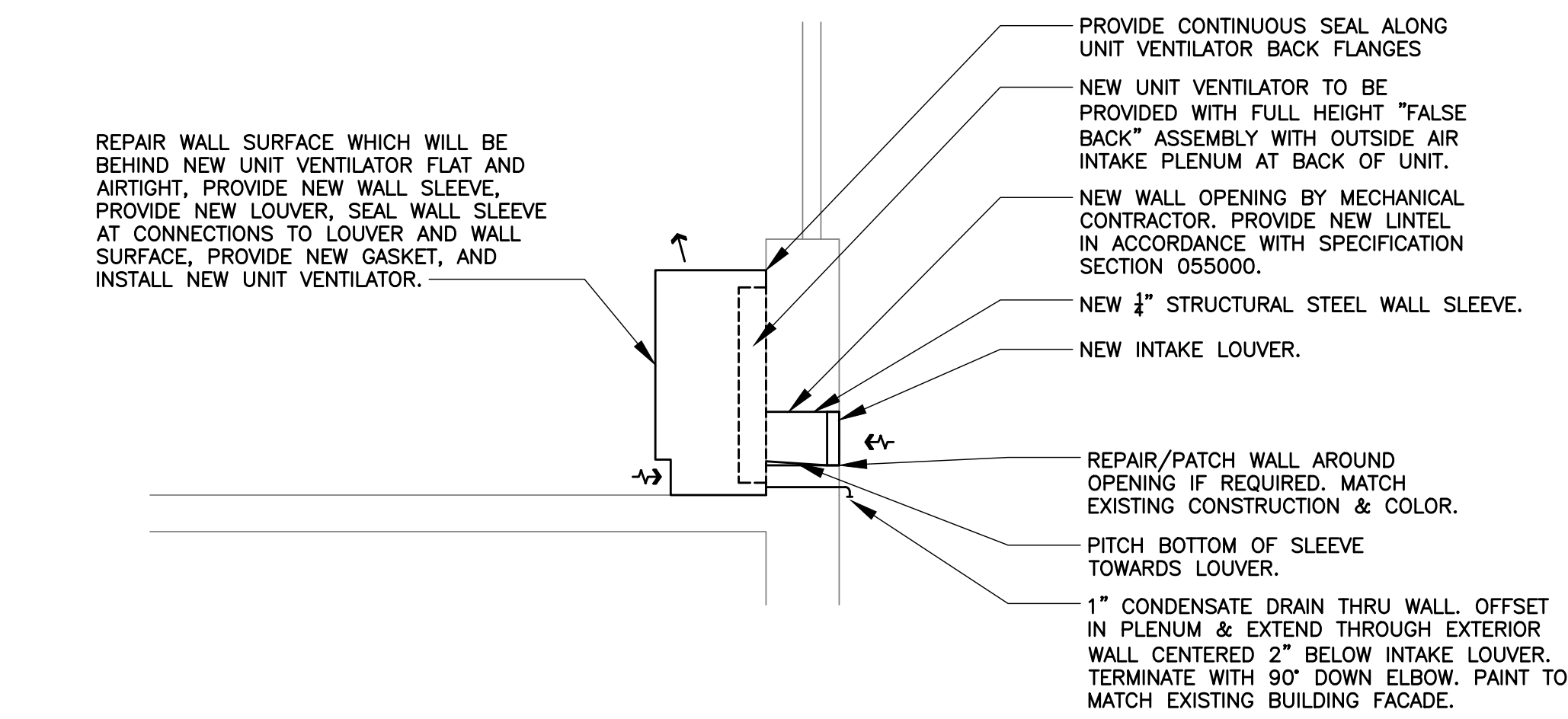
FLOOR-MOUNTED UNIT VENTILATOR OR FAN COIL UNIT INSTALLATION DETAIL  
EXISTING INTAKE WALL OPENING REUSED  
N.T.S.



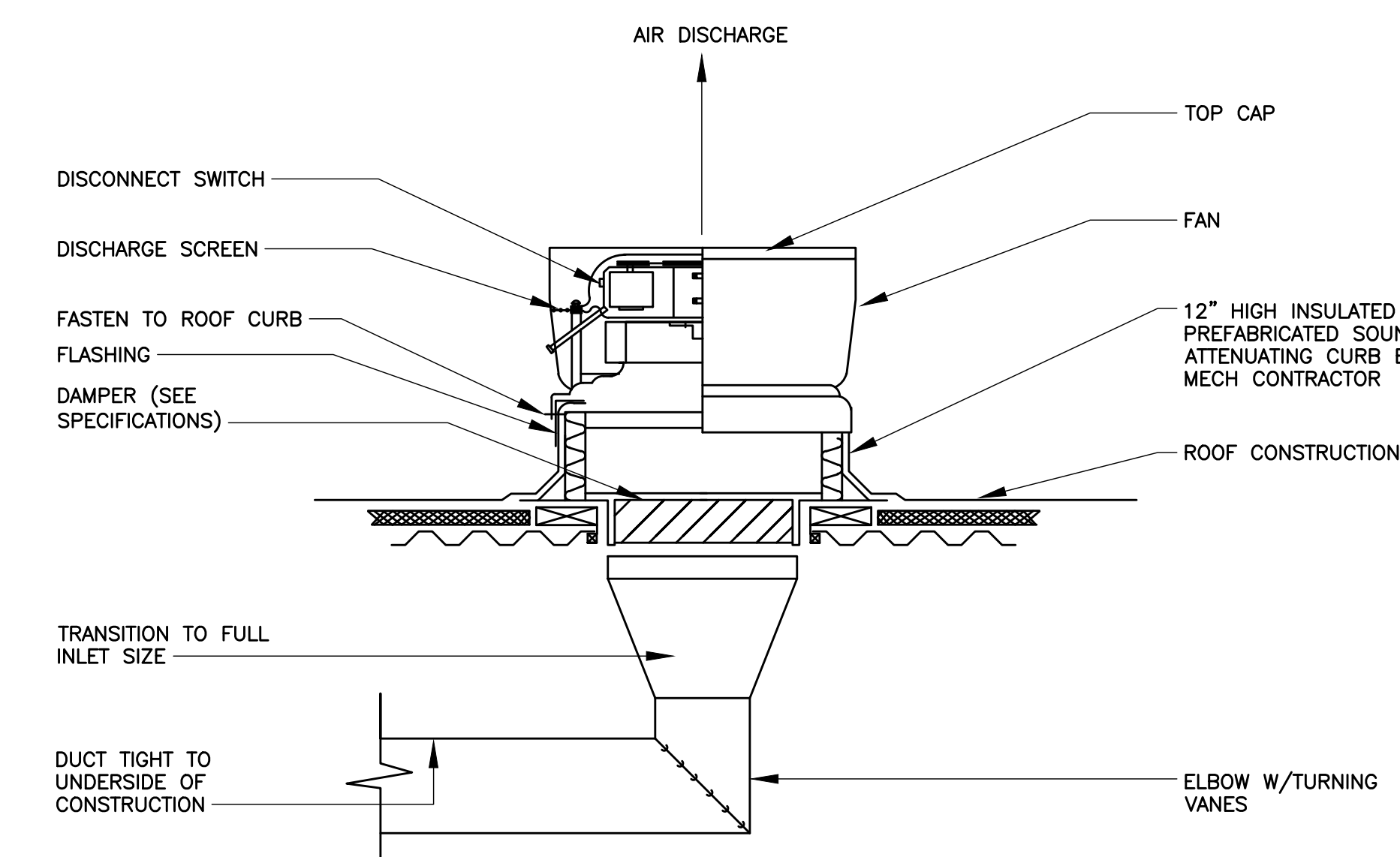
PIPING SUPPORT AT ROOF DETAIL  
N.T.S.



DUCTWORK SUPPORT AT ROOF DETAIL  
N.T.S.

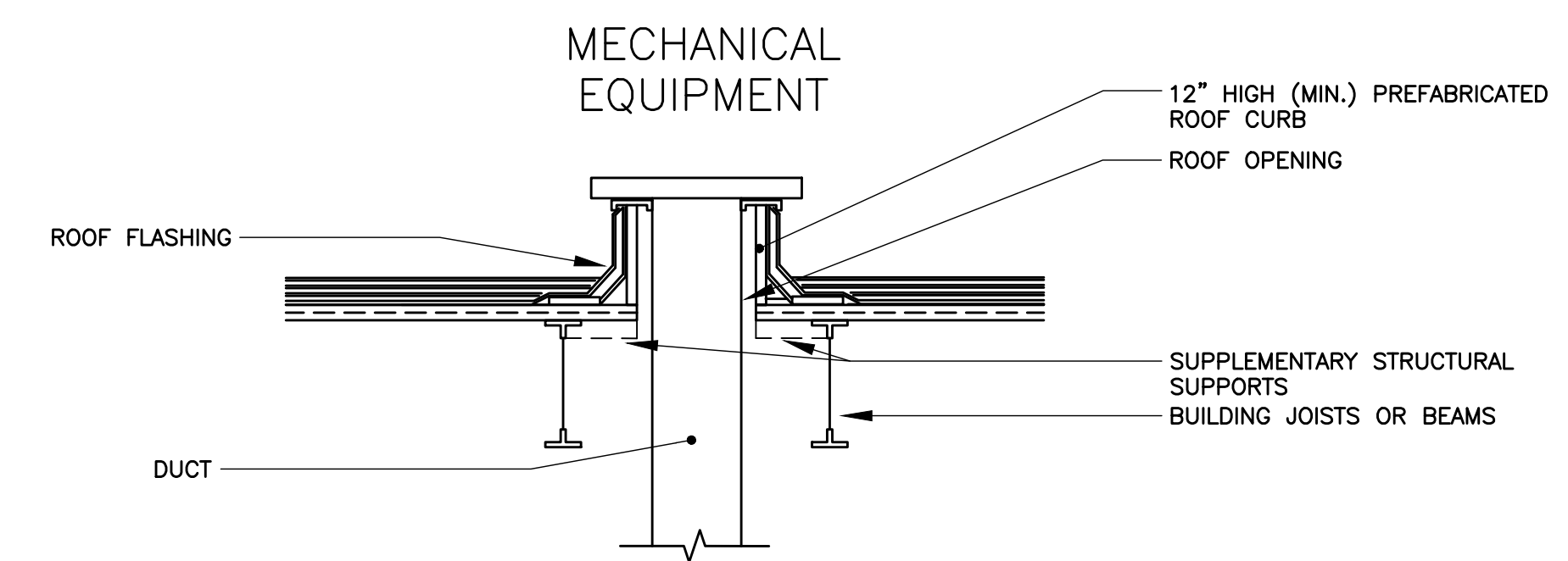


FLOOR-MOUNTED UNIT VENTILATOR OR FAN COIL UNIT INSTALLATION DETAIL  
NEW INTAKE WALL OPENING PROVIDED  
N.T.S.



UPBLAST ROOF EXHAUST FAN DETAIL  
N.T.S.

ALL WORK ASSOCIATED WITH ROOFTOP MECHANICAL UNITS, DUCTWORK COMPONENTS, ETC. IS BY MECHANICAL CONTRACTOR. INCLUDING:  
A. LAYOUT AND HOLE CUT  
B. SUPPORT STEEL  
C. CURBS, CURB ADAPTORS, RAILS, PITCH POCKETS, PIPE PENETRATIONS, ETC.  
D. ROOF FLASHING AND PATCHING (BY ROOFING SUBCONTRACTOR WHO IS AUTHORIZED BY MANUFACTURER TO MAINTAIN WARRANTY).

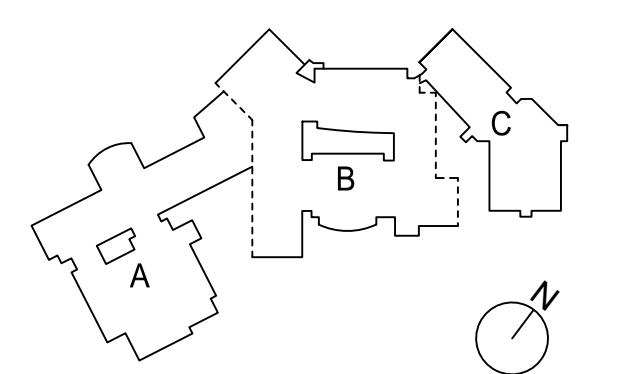


ROOF CURB INSTALLATION DETAIL  
N.T.S.

Table with columns for Bid Set, Issue, and Date. Includes a key plan and project information.

BID SET 12/18/2023  
ISSUE DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

MECHANICAL  
DETAILS





EASTCHESTER UNION FREE SCHOOL DISTRICT

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

ARCHITECT MEMASI 2 LYON PLACE WHITE PLAINS, NY 10601 914.915.9519 MEMASIDESIGN.COM

STRUCTURAL CONSULTANT REILLY TARANTINO ENGINEERING 100 PARK BLVD, SUITE 209 MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT STANTEC 30 OAK STREET, SUITE 400 STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT WSP ONE PENN PLAZA 250 W 34TH ST., 4TH FLOOR NEW YORK, NY 10014

ELECTRICAL SYMBOL LIST (NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT) - Table with 2 columns: SYMBOL, DESCRIPTION

ADD ALTERNATE No.1 (MIDDLE SCHOOL) - Table with 1 column: ADD ALTERNATE No.1 (MIDDLE SCHOOL) listing 9 items

ADD ALTERNATE No.2 (HIGH SCHOOL) - Table with 1 column: ADD ALTERNATE No.2 (HIGH SCHOOL) listing 9 items

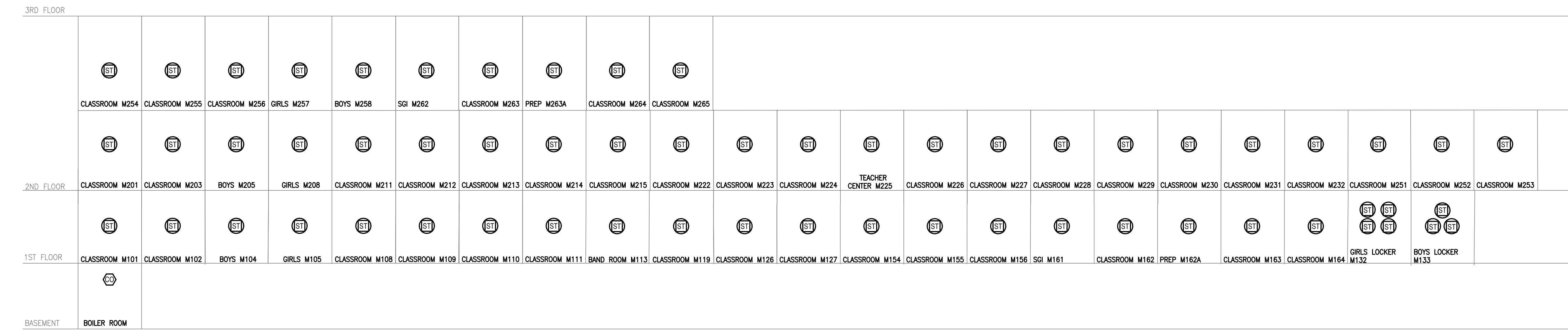
NEW YORK STATE CODES & STANDARDS - Table with 2 columns: NEW YORK STATE ENERGY CODES, REFERENCED STANDARDS

ELECTRICAL DRAWING LIST - Table with 2 columns: Sheet Number, Sheet Title

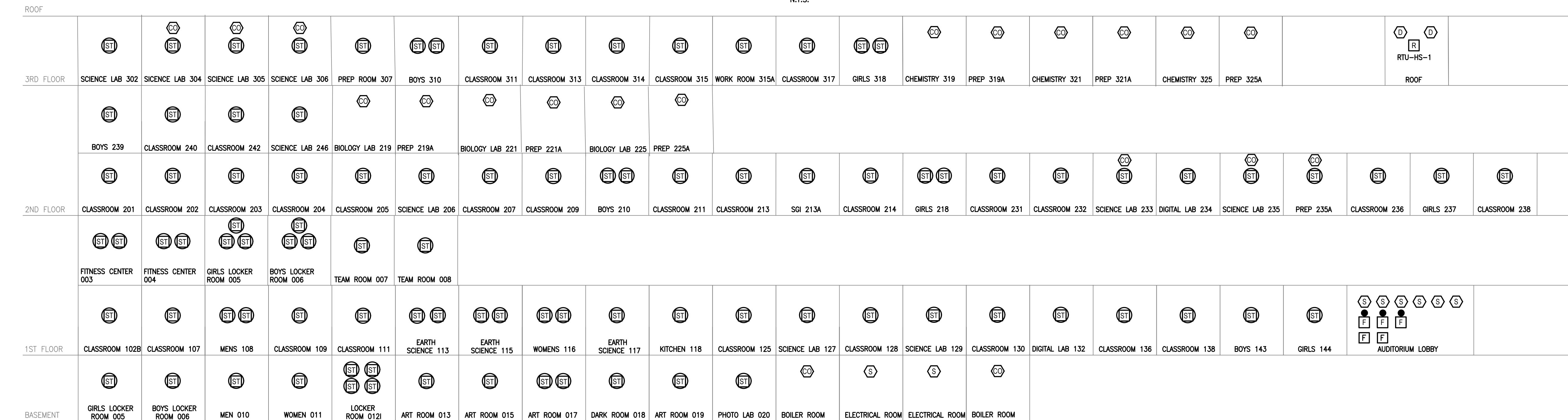
LIGHTING CONTROL SYMBOL LIST (NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT) - Table with 2 columns: SYMBOL, DESCRIPTION

FIRE ALARM SYMBOL LIST (NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT) - Table with 2 columns: SYMBOL, DESCRIPTION

ADD ALTERNATE No.3 (HIGH SCHOOL) - Table with 1 column: ADD ALTERNATE No.3 (HIGH SCHOOL) listing 5 items



PARTIAL FIRE ALARM RISER (MIDDLE SCHOOL) N.T.S.



PARTIAL FIRE ALARM RISER (HIGH SCHOOL) N.T.S.

FIRE ALARM GENERAL NOTES:

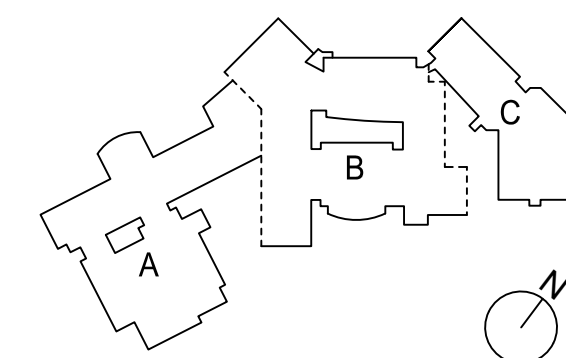
- 1. PROVIDE ALL EQUIPMENT, PROGRAMMING & WIRING REQUIRED FOR A COMPLETE CODE COMPLIANT SYSTEM.
2. PROVIDE ALL FILING, PERMIT & FIRE DEPARTMENT INSPECTION FEES.
3. ALL NOTIFICATION AND SIGNAL LINE CIRCUITS SHALL BE CLASS B WIRING WITHOUT T-TAPPING OF CIRCUITS.
4. COORDINATE WITH THE LOCAL AUTHORITY HAVING JURISDICTION FOR THE EXACT SEQUENCE OF OPERATIONS.
5. SMOKE DETECTORS SHALL BE A MINIMUM OF 3 FEET FROM ALL SUPPLY DIFFUSERS.
6. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN CONDUIT WHEN RUN EXPOSED IN MECHANICAL ROOMS. PROVIDE CONDUIT CONCEALED IN WALLS UP TO ACCESSIBLE CEILING WITH INSULATING BUSHING FOR ALL WALL MOUNTED FIRE ALARM DEVICES.

- 7. ALL FIRE ALARM EQUIPMENT SHALL BE APPROVED BY LOCAL AHJ PRIOR TO ORDERING.
8. FIRE ALARM RISER IS A DIAGRAMMATIC REPRESENTATION OF THE SYSTEM. REFER TO FLOOR PLANS FOR DEVICE QUANTITY AND LOCATIONS.
9. ALL FIRE ALARM CABLEING SHALL BE PLENUM RATED AND MEET PATHWAY SURVIVABILITY LEVEL 2.
10. ALL FIRE ALARM ANNUNCIATING DEVICES SHALL BE "RED".
11. PROVIDE A CONTROL MODULE AND RELAY FOR ALL FIRE SMOKE DAMPERS. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND QUANTITIES. PROVIDE DUCT SMOKE DETECTORS TO ACTIVATE FIRE SMOKE DAMPERS AS REQUIRED.
12. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS THAT INCLUDE MANUFACTURER'S CUT SHEETS

- WITH EQUIPMENT MODEL NUMBERS, BATTERY CALCULATIONS, CONDUCTOR TYPE AND SIZES, AND VOLTAGE DROP CALCULATIONS.
13. REMOVE EXISTING FIRE ALARM DEVICES IN SCOPE OF WORK AREA WHERE NEW DEVICES ARE INDICATED.
14. ALL NEW FIRE ALARM DEVICES SHALL BE TIED INTO EXISTING ADDRESSABLE FIRE ALARM LOOPS. PROVIDE ADDITIONAL ADDRESSABLE CARDS/AMPLIFIER/POWER SUPPLY/WIRING AND CONDUIT AS REQUIRED.

BID SET 12/18/2023 ISSUE DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031 MEMASH PROJECT NO. 102-2301

ELECTRICAL COVER SHEET

MSHS E001

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EASTCHESTER UNION FREE SCHOOL DISTRICT

2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

ARCHITECT

MEMASI

2 LYON PLACE WHITE PLAINS, NY 10601 914.915.9519 MEMASIDESIGN.COM

STRUCTURAL CONSULTANT RILLY TARANTINO ENGINEERING 100 PARK BLVD, SUITE 209 MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT STANTEC 30 OAK STREET, SUITE 400 STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT WSP ONE PENN PLAZA 250 W 34TH ST., 4TH FLOOR NEW YORK, NY 10014

ELECTRICAL GENERAL NOTES

- 1. ALL WORK SHALL COMPLY WITH REQUIREMENTS OF THE NATIONAL ELECTRIC CODE, BUILDING DEPARTMENT, BUILDING MANAGEMENT, ALL AUTHORITIES HAVING JURISDICTION, AND APPLICABLE NATIONAL, STATE, AND LOCAL CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK...

ELECTRICAL LIGHTING NOTES

- A. FOR EXACT ELEVATION, LOCATION, QUANTITY AND SPECIFICATIONS OF LIGHTING FIXTURES AND SWITCHES REFER TO ARCHITECTURAL DRAWINGS AND COORDINATE WITH ARCHITECT IN THE FIELD.

ELECTRICAL DEMOLITION NOTES

- 1. GENERAL
1.1. SEE HVAC DRAWINGS FOR HVAC EQUIPMENT TO BE REMOVED. REMOVE ALL ASSOCIATED CONDUIT, WIRE, SWITCHES, BOXES ASSOCIATED WITH EQUIPMENT TO BE REMOVED.

ELECTRICAL POWER NOTES

- A. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL DRAWINGS AND ARCHITECT IN FIELD FOR EXACT LOCATION, QUANTITY AND ELEVATION OF POWER AND TELEPHONE/DATA OUTLETS PRIOR TO INSTALLATION.

FIRE ALARM COORDINATION NOTES

- 1. ALL FIRE ALARM WORK SHALL BE UNDER THE ELECTRICAL CONTRACT.
2. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER REQUIREMENTS TO FIRE ALARM EQUIPMENT DEVICES REGARDLESS IF ONLY INDICATED ON FA DRAWINGS.

TELECOM/AUDIO VISUAL COORDINATION NOTES

- 1. ELECTRICAL CONTRACTOR SHALL REFER TO THE TELECOMMUNICATIONS, AUDIO/VISUAL, SECURITY, AND OTHER LOW VOLTAGE SYSTEMS DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS ASSOCIATED WITH WORK UNDER THE ELECTRICAL CONTRACT.

ELECTRICAL ABBREVIATIONS

(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)

Table with 4 columns: A, AMPERE, KCM, THOUSAND CIRCULAR MILS. Includes entries like AC ABOVE COUNTER, AFF ABOVE FINISHED FLOOR, etc.

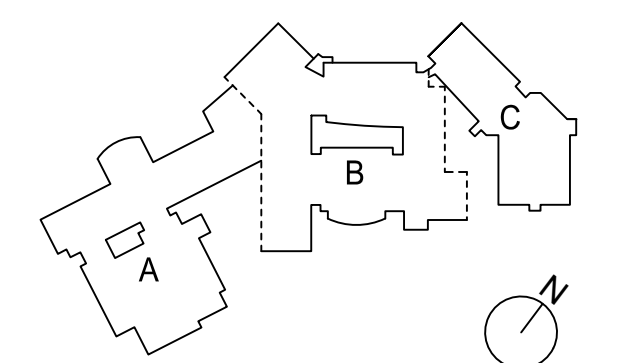
LIGHTING FIXTURE SCHEDULE

Table with 7 columns: TYPE, DESCRIPTION, MANUFACTURER, CATALOG NUMBER, WATTAGE / CCT / LUMENS / CRI, VOLTS, NOTES. Includes entries like F1 2x4 FLAT PANEL, F2 2x2 FLAT PANEL, etc.

Blank table with 2 columns and 10 rows.

BID SET 12/18/2023 ISSUE DATE

KEY PLAN



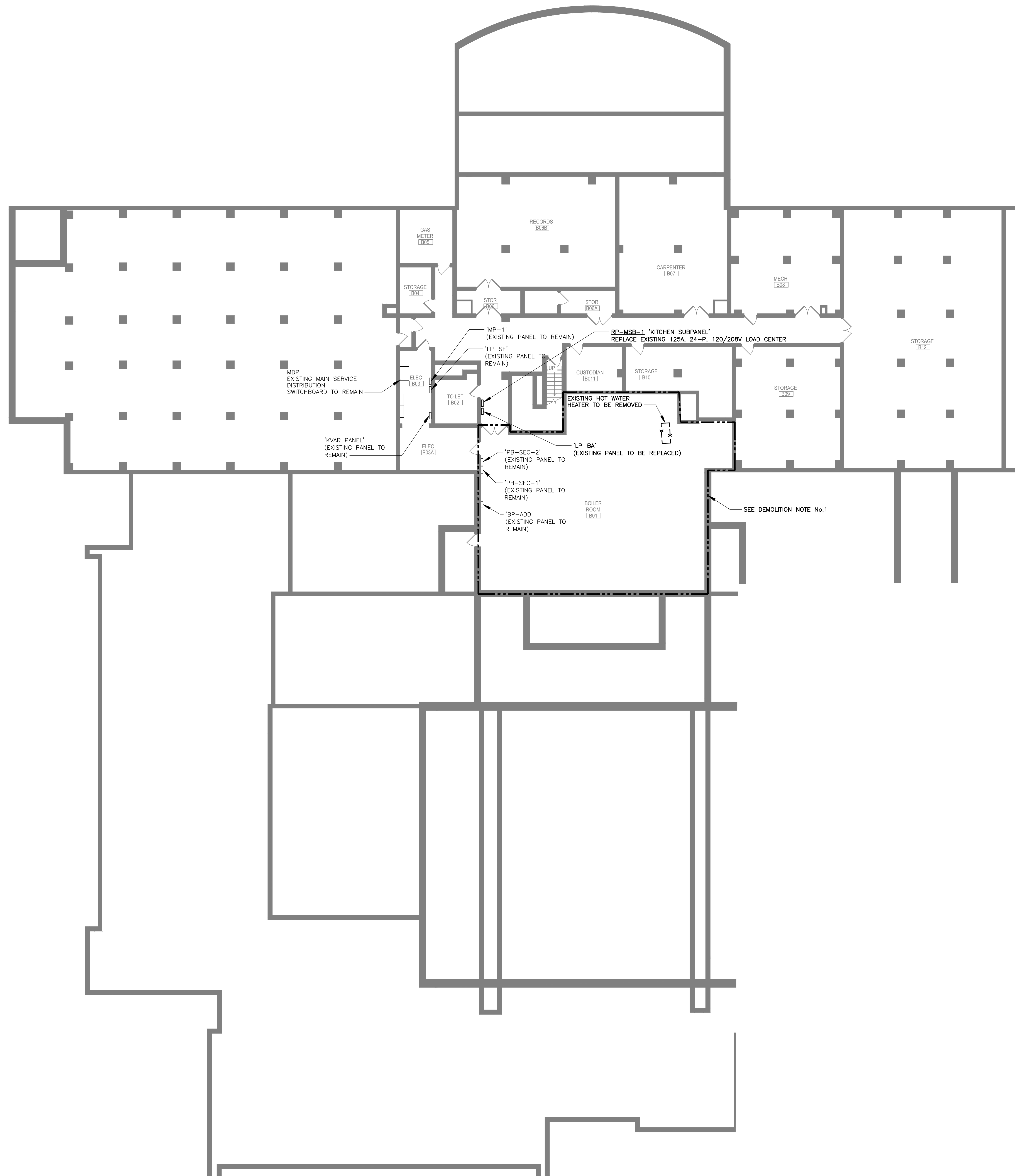
PROJECT NO. 66-03-01-03-0-003-031 MEMASI PROJECT NO. 102-2301

ELECTRICAL GENERAL NOTES

MSHS E002

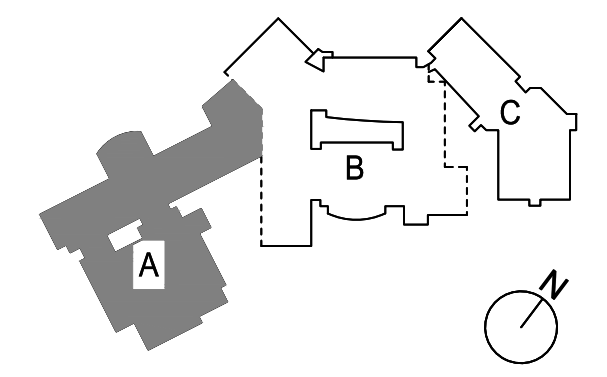
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- ELECTRICAL DEMOLITION PLAN NOTES:**
1. WHERE INDICATED DISCONNECT AND REMOVE ALL EXISTING LIGHTING FIXTURES AND ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE. IF CIRCUIT WIRING IS SHARED WITH ELECTRICAL EQUIPMENT THAT IS EXISTING TO REMAIN THEN REMOVE WIRE AND CONDUIT BACK TO POINT OF SPLICE.
  2. DISCONNECT AND REMOVE ALL ASSOCIATED SAFETY SWITCHES, CONDUIT AND WIRE TO ALL DEMOLISHED MECHANICAL AND PLUMBING EQUIPMENT BACK TO SOURCE. REMOVE ALL CONTROL WIRING AS REQUIRED.



BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



PROJECT NO.	66-03-01-03-0-003-031
MEMASI PROJECT NO.	102-2301

**ELECTRICAL PART  
 PLAN - DEMOLITION -  
 BASEMENT - AREA A**

**EASTCHESTER  
UNION FREE  
SCHOOL DISTRICT**

2022 CAPITAL PROJECT  
PHASE 3

MIDDLE SCHOOL /  
HIGH SCHOOL

ARCHITECT  
**MEMASI**  
2 LYON PLACE  
WHITE PLAINS, NY 10601  
914.915.9519  
MEMASIDESIGN.COM

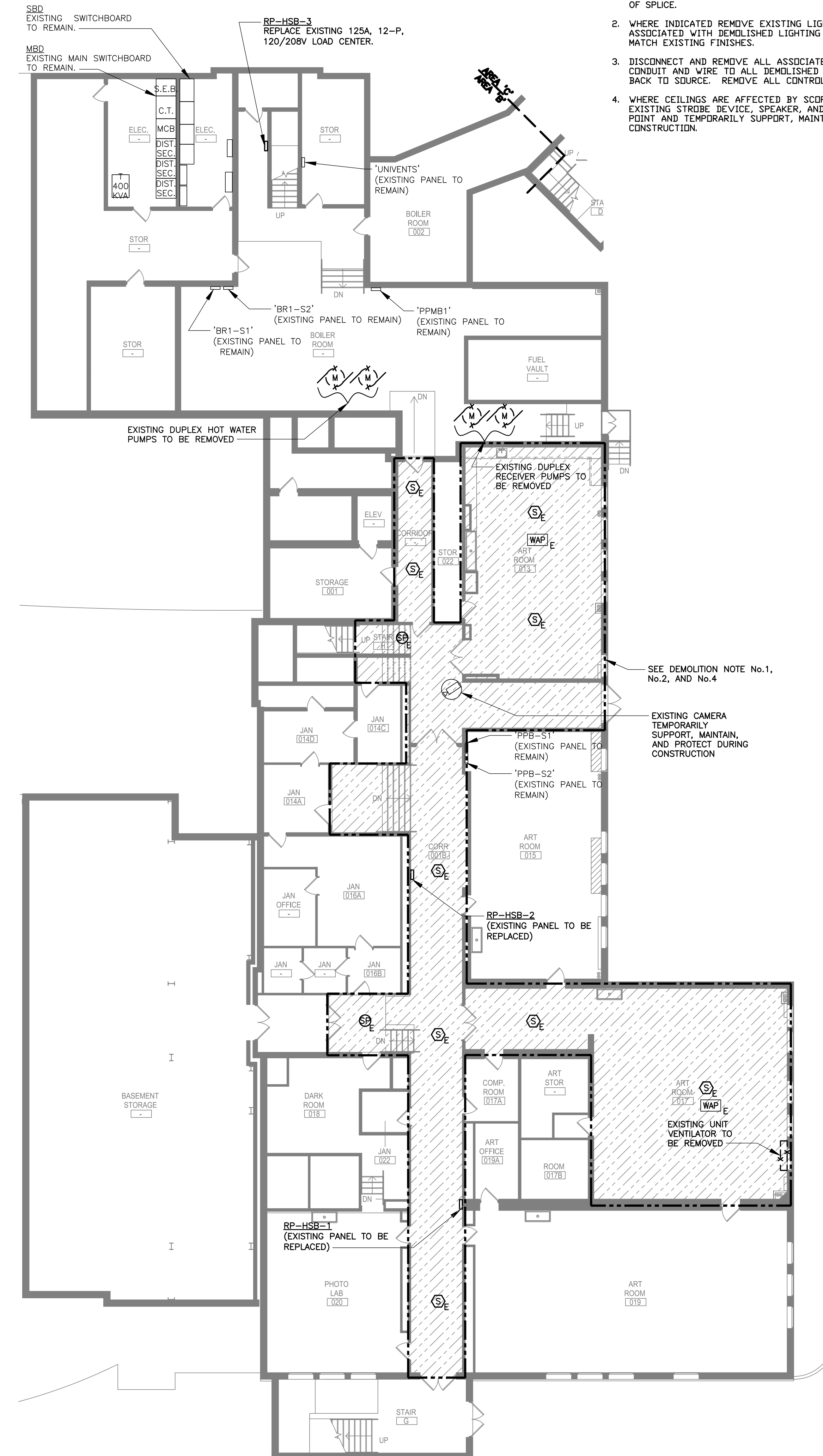
STRUCTURAL CONSULTANT  
**REILLY TARANTINO ENGINEERING**  
100 PARK BLVD, SUITE 209  
MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
**STANTEC**  
30 OAK STREET, SUITE 400  
STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT  
**WSP**  
ONE PENN PLAZA  
250 W 34TH ST., 4TH FLOOR  
NEW YORK, NY 10014

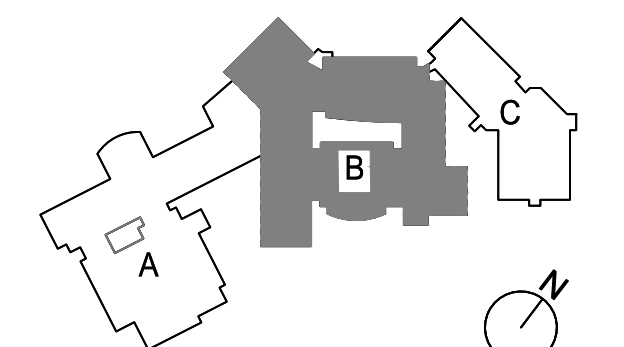
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2. WHERE INDICATED REMOVE EXISTING LIGHTING CONTROLS ASSOCIATED WITH DEMOLISHED LIGHTING AND PATCH WALLS TO MATCH EXISTING FINISHES.
3. DISCONNECT AND REMOVE ALL ASSOCIATED SAFETY SWITCHES, CONDUIT AND WIRE TO ALL DEMOLISHED MECHANICAL EQUIPMENT BACK TO SOURCE. REMOVE ALL CONTROL WIRING AS REQUIRED.
4. WHERE CEILINGS ARE AFFECTED BY SCOPE OF WORK REMOVE EXISTING STROBE DEVICE, SPEAKER, AND/OR WIRELESS ACCESS POINT AND TEMPORARILY SUPPORT, MAINTAIN, AND PROTECT DURING CONSTRUCTION.



BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

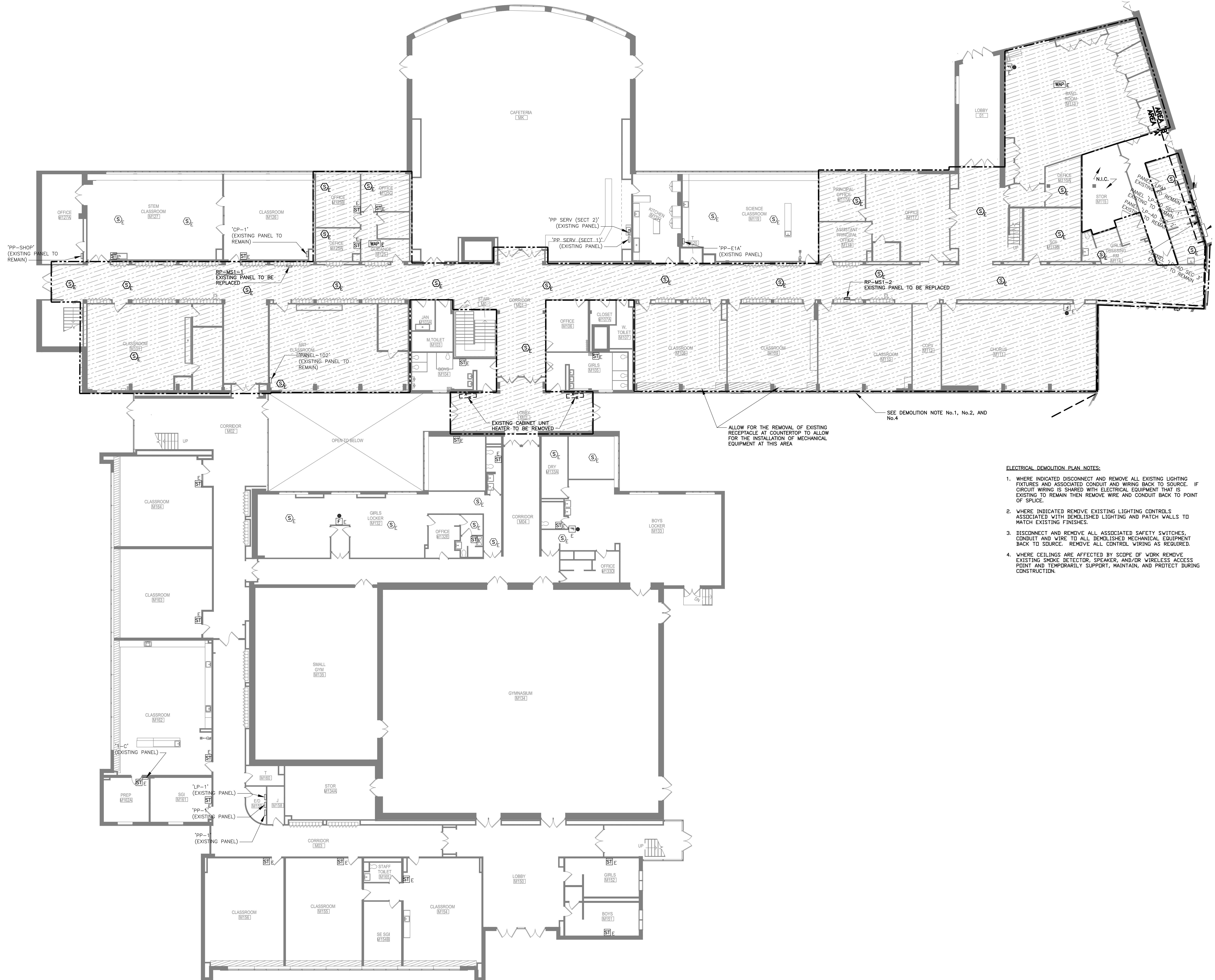
**ELECTRICAL PART  
PLAN - DEMOLITION -  
BASEMENT - AREA B**

**MSHS ED100-B**

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**ELECTRICAL PART PLAN - DEMOLITION - BASEMENT - AREA B**

3/32" = 1'-0"

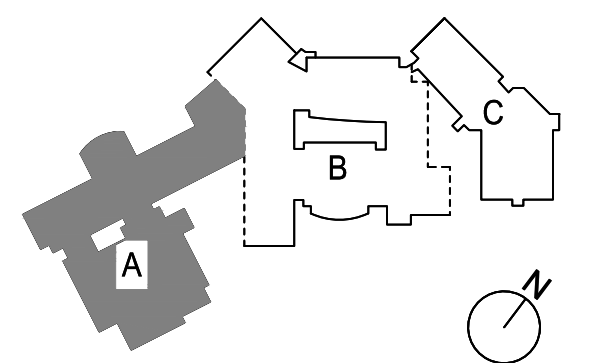


**ELECTRICAL DEMOLITION PLAN NOTES:**

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BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



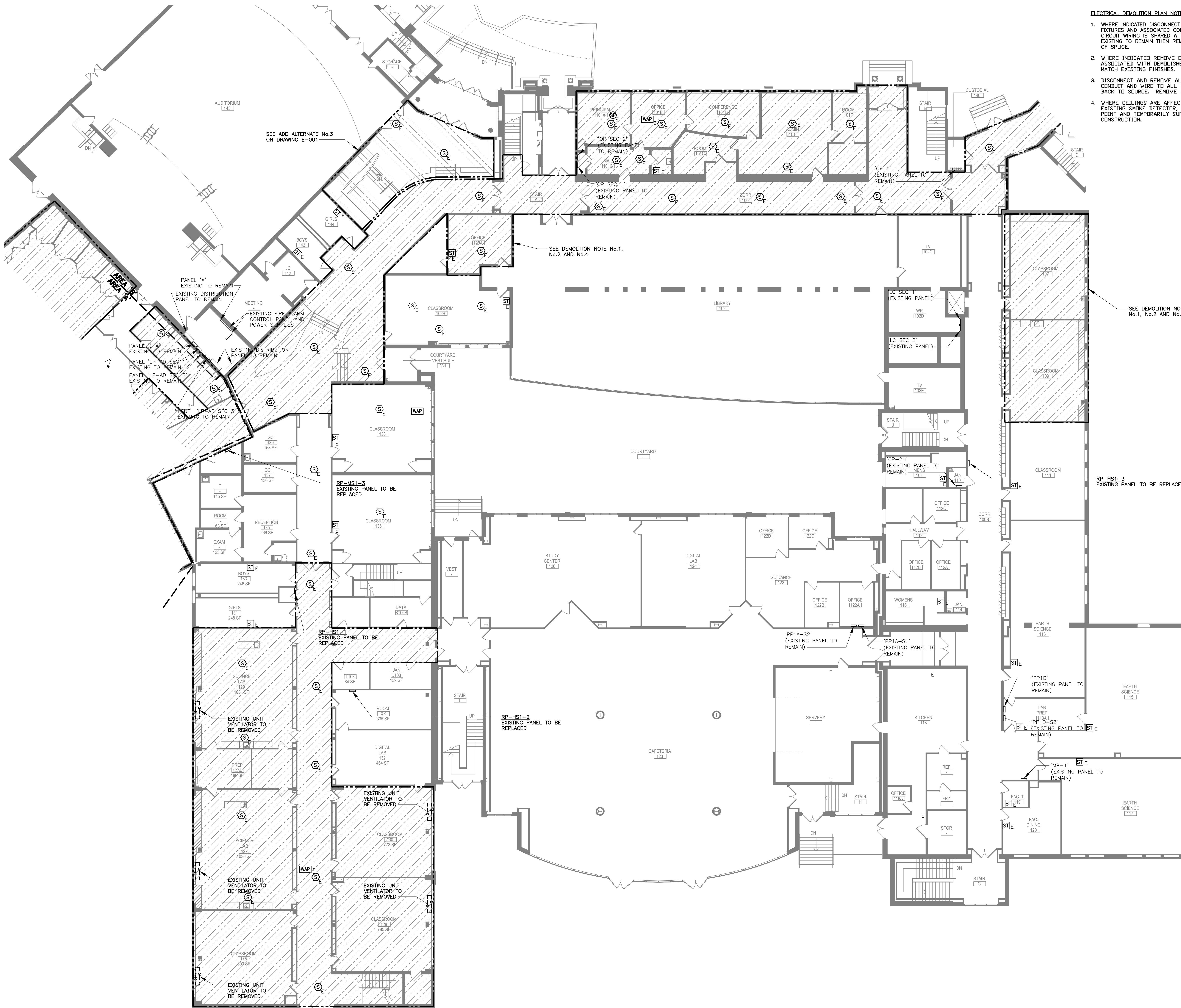
PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**ELECTRICAL PART  
PLAN - DEMOLITION -  
1ST FLOOR - AREA A**

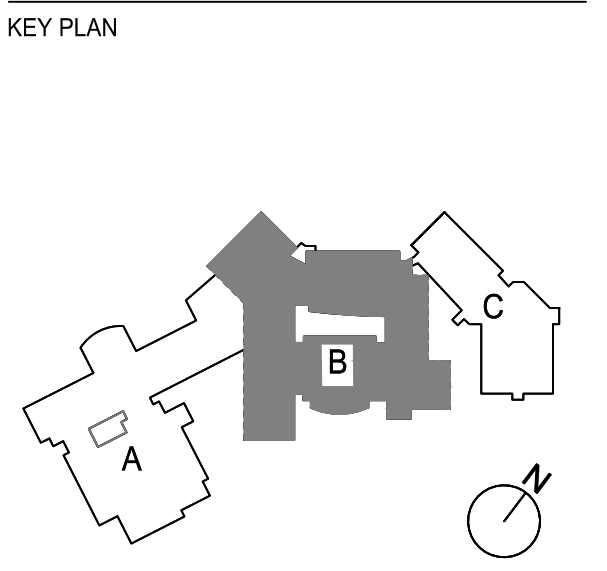
**MSHS ED101-A**

#### ELECTRICAL DEMOLITION PLAN NOTES:

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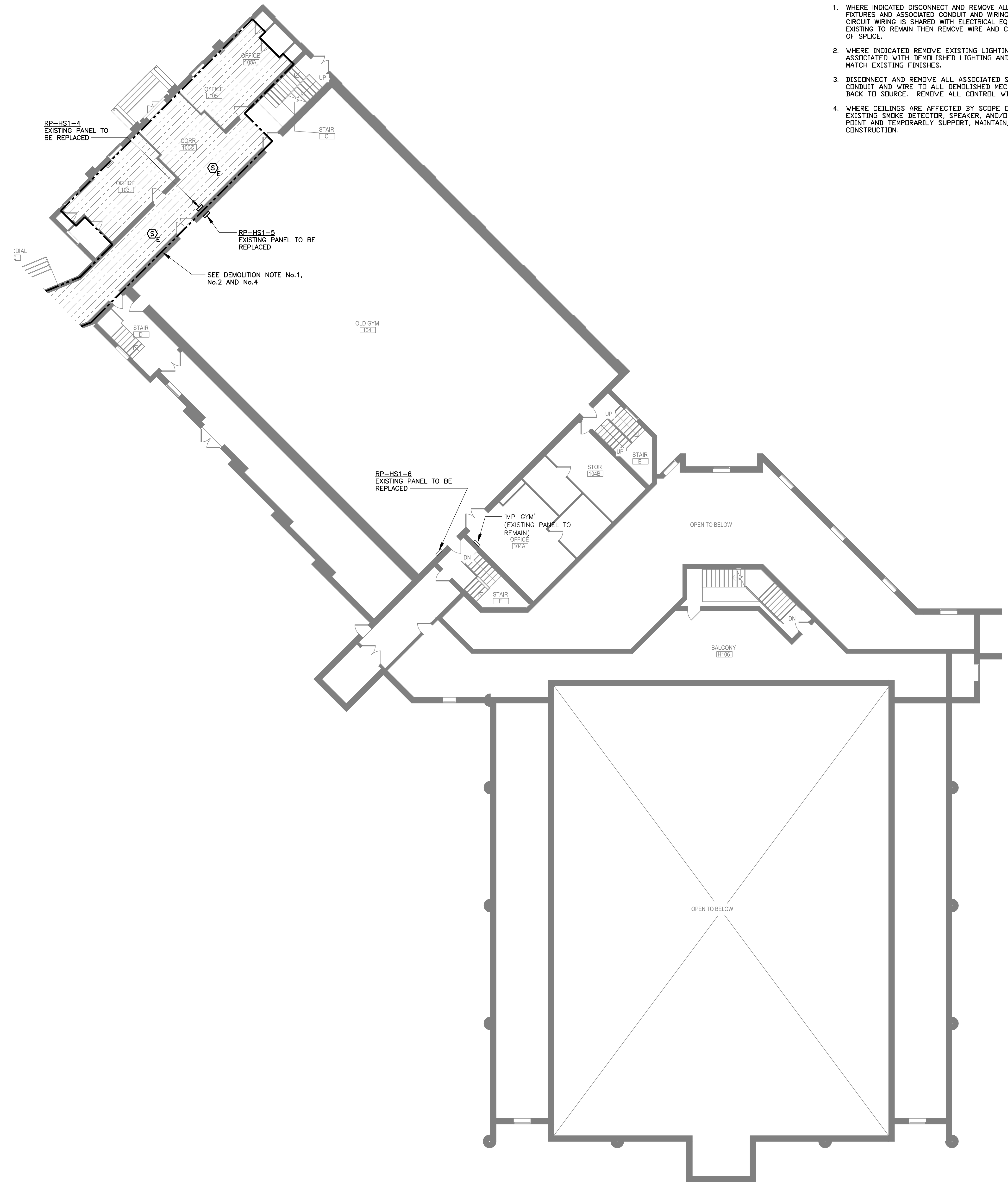
BID SET	12/18/2023
ISSUE	DATE



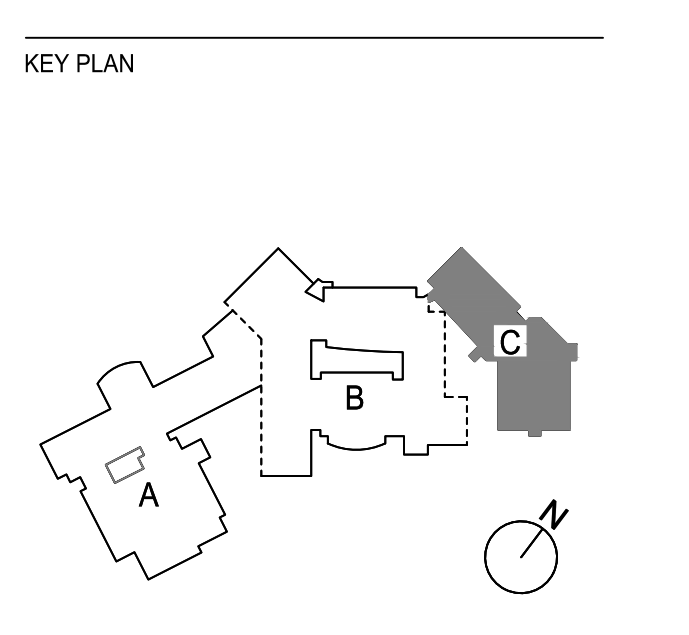
PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

### ELECTRICAL PART PLAN - DEMOLITION - 1ST FLOOR - AREA B

- ELECTRICAL DEMOLITION PLAN NOTES:**
1. WHERE INDICATED DISCONNECT AND REMOVE ALL EXISTING LIGHTING FIXTURES AND ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE. IF CIRCUIT WIRING IS SHARED WITH ELECTRICAL EQUIPMENT THAT IS EXISTING TO REMAIN THEN REMOVE WIRE AND CONDUIT BACK TO POINT OF SPLICE.
  2. WHERE INDICATED REMOVE EXISTING LIGHTING CONTROLS ASSOCIATED WITH DEMOLISHED LIGHTING AND PATCH WALLS TO MATCH EXISTING FINISHES.
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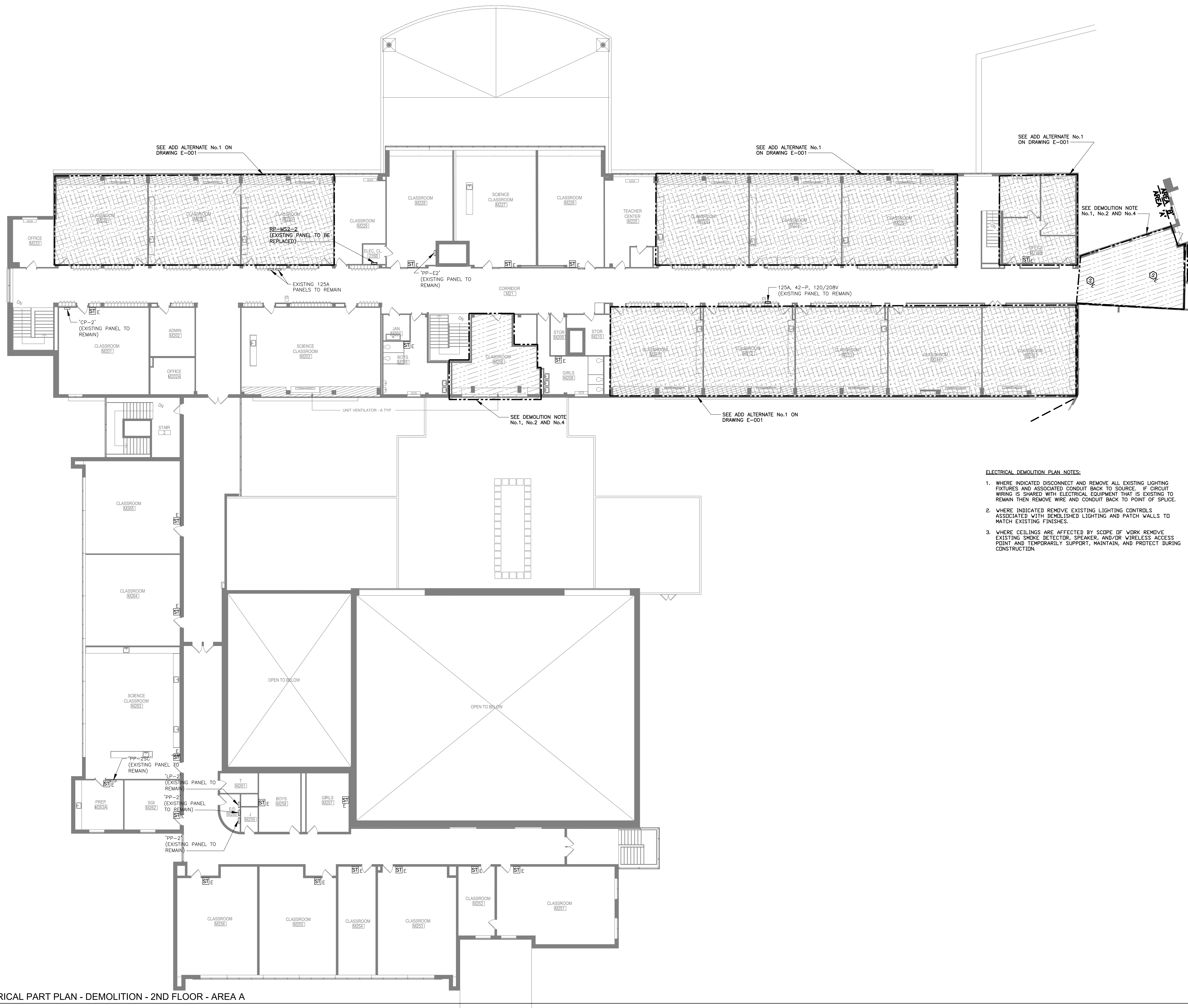
BID SET	12/18/2023
ISSUE	DATE



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**ELECTRICAL PART  
PLAN - DEMOLITION -  
1ST FLOOR - AREA C**

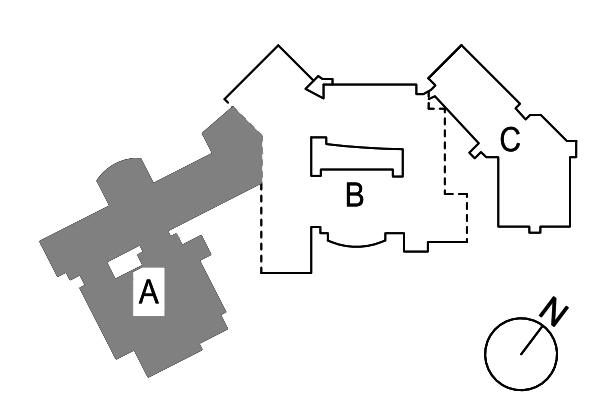




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BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**ELECTRICAL PART  
PLAN - DEMOLITION -  
2ND FLOOR - AREA A**

**ELECTRICAL PART PLAN - DEMOLITION - 2ND FLOOR - AREA A**

3/32" = 1'-0"



**EASTCHESTER UNION FREE SCHOOL DISTRICT**  
**2022 CAPITAL PROJECT PHASE 3**  
**MIDDLE SCHOOL / HIGH SCHOOL**

ARCHITECT  
**MEMASI**  
 2 LYON PLACE  
 WHITE PLAINS, NY 10601  
 914.915.9519  
 MEMASIDESIGN.COM

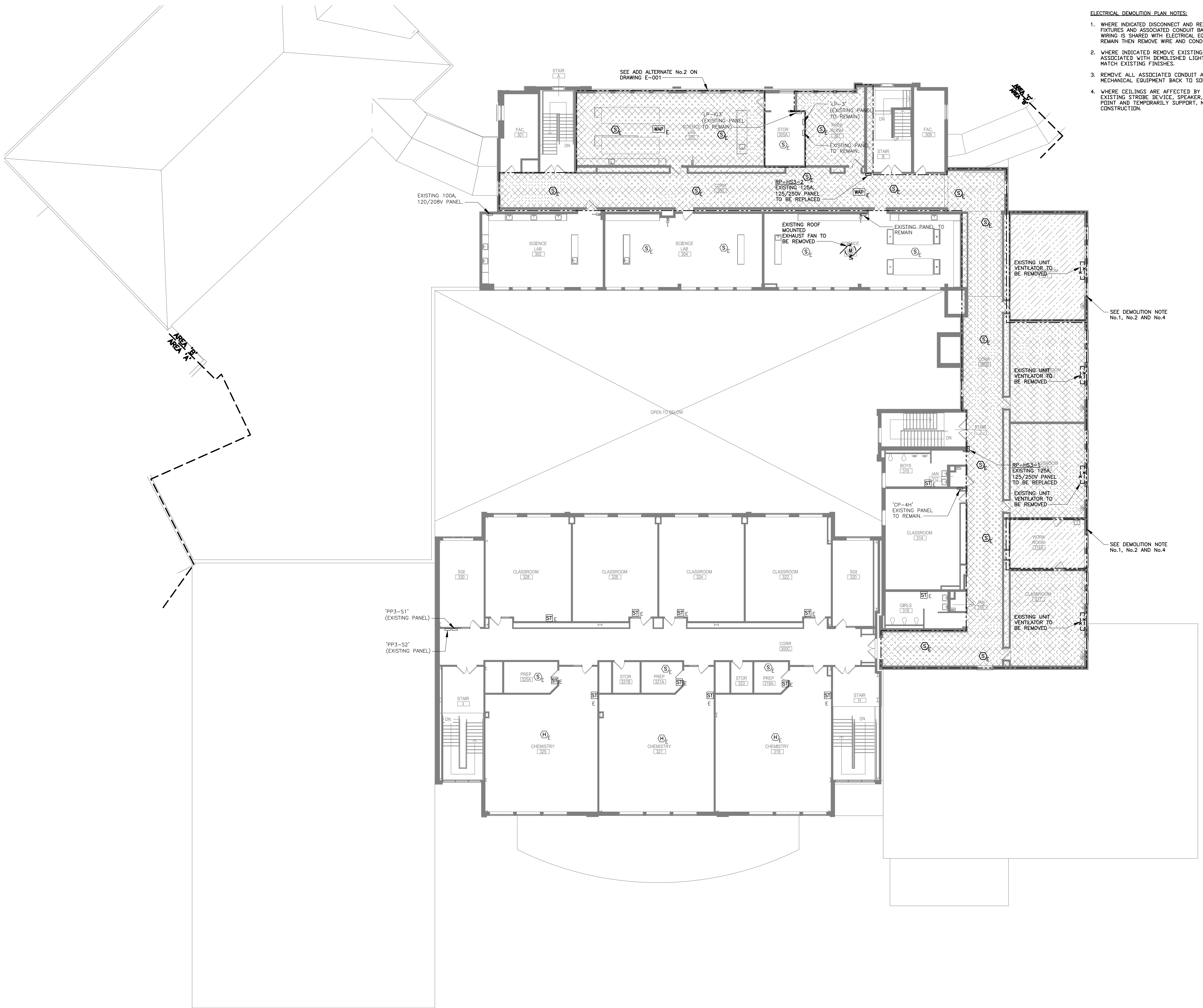
STRUCTURAL CONSULTANT  
**REILLY TARANTINO ENGINEERING**  
 100 PARK BLVD, SUITE 209  
 MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
**STANTEC**  
 30 OAK STREET, SUITE 400  
 STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT  
**WSP**  
 ONE PENN PLAZA  
 250 W 34TH ST., 4TH FLOOR  
 NEW YORK, NY 10014

**ELECTRICAL DEMOLITION PLAN NOTES:**

- WHERE INDICATED DISCONNECT AND REMOVE ALL EXISTING LIGHTING FIXTURES AND ASSOCIATED CONDUIT BACK TO SOURCE. IF CIRCUIT WIRING IS SHARED WITH ELECTRICAL EQUIPMENT THAT IS EXISTING TO REMAIN THEN REMOVE WIRE AND CONDUIT BACK TO POINT OF SPLICE.
- WHERE INDICATED REMOVE EXISTING LIGHTING CONTROLS ASSOCIATED WITH DEMOLISHED LIGHTING AND PATCH WALLS TO MATCH EXISTING FINISHES.
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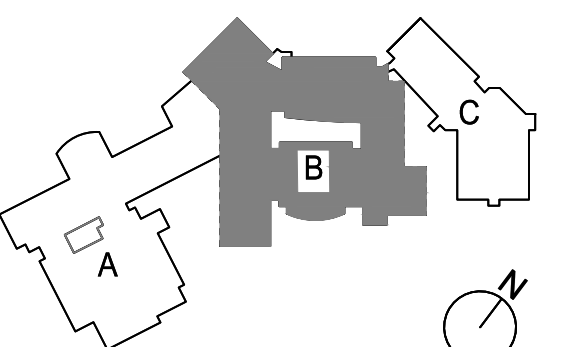


SEE DEMOLITION NOTE  
 No.1, No.2 AND No.4

SEE DEMOLITION NOTE  
 No.1, No.2 AND No.4


BID SET 12/18/2023  
 ISSUE DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
 MEMASI PROJECT NO. 102-2301

**ELECTRICAL PART  
 PLAN - DEMOLITION -  
 3RD FLOOR - AREA B**

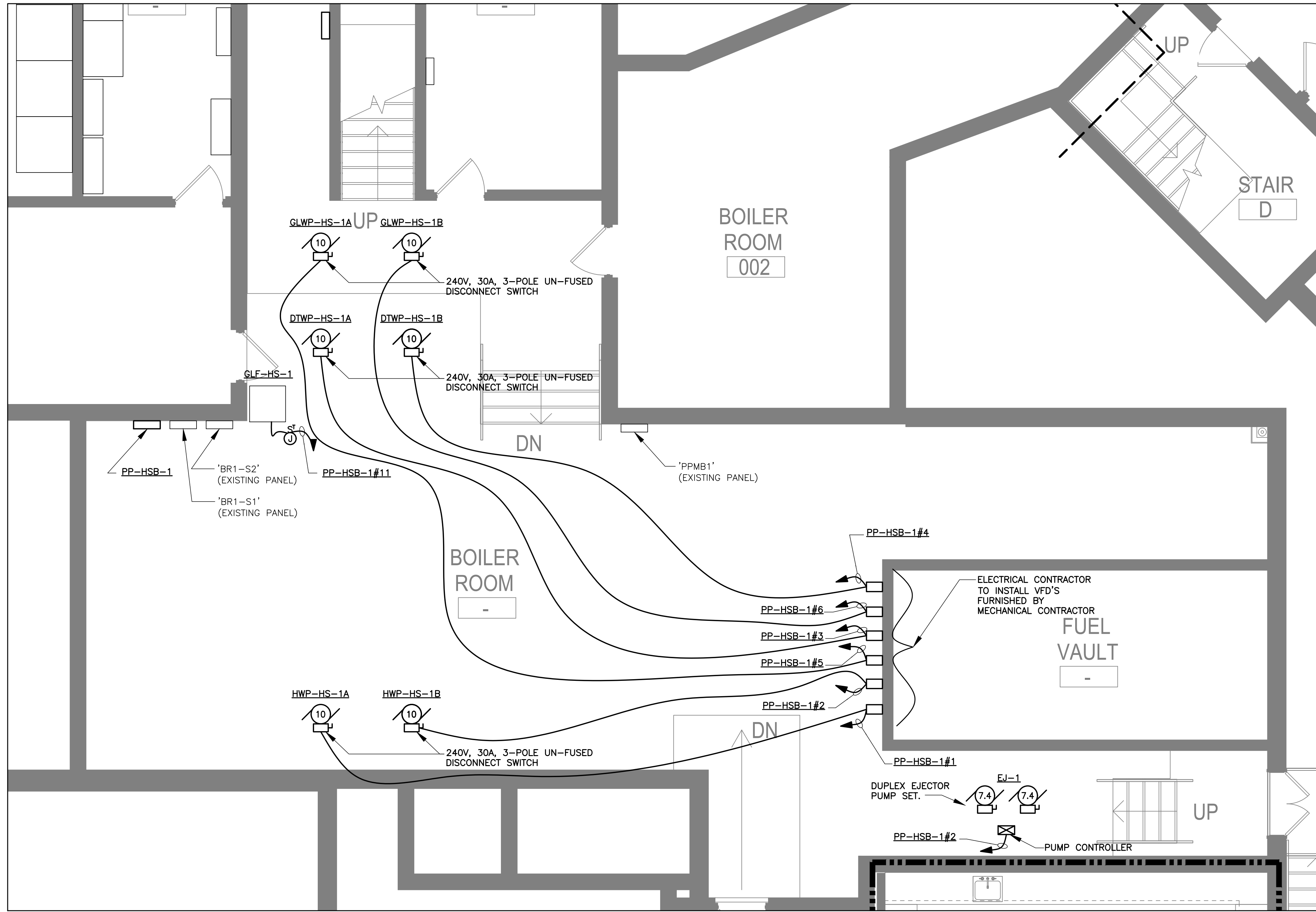
**MSHS ED103-B**  
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ELECTRICAL PART PLAN - DEMOLITION - 3RD FLOOR - AREA B  
 3/32" = 1'-0"

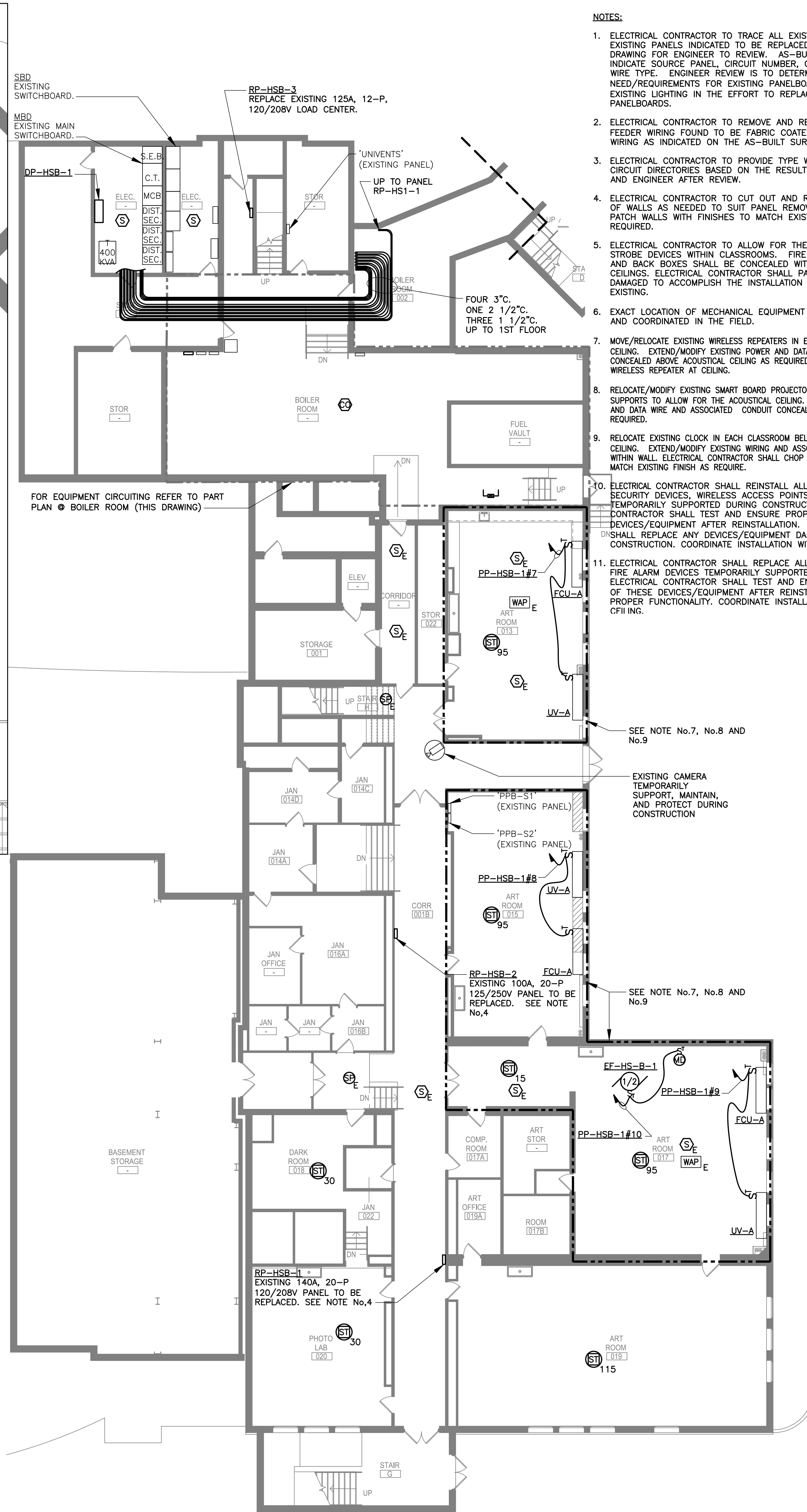


NOTES:

- ELECTRICAL CONTRACTOR TO TRACE ALL EXISTING CIRCUIT WIRING FOR EXISTING PANELS INDICATED TO BE REPLACED AND CREATE AN AS-BUILT DRAWING FOR ENGINEER TO REVIEW. AS-BUILT DRAWING SHALL INDICATE SOURCE PANEL, CIRCUIT NUMBER, CIRCUIT LOAD AND CIRCUIT WIRE TYPE. ENGINEER REVIEW IS TO DETERMINE THE NEED/REQUIREMENTS FOR EXISTING PANELBOARDS AFTER DEMOLITION OF EXISTING LIGHTING IN THE EFFORT TO REPLACE/REBUILD EXISTING PANELBOARDS.
- ELECTRICAL CONTRACTOR TO REMOVE AND REPLACE ALL CIRCUIT AND FEEDER WIRING FOUND TO BE FABRIC COATED RHW WITH THHN/THWN WIRING AS INDICATED ON THE AS-BUILT SURVEY DRAWINGS.
- ELECTRICAL CONTRACTOR TO PROVIDE TYPE WRITTEN ACCURATE PANEL CIRCUIT DIRECTORIES BASED ON THE RESULTS OF THE AS-BUILT SURVEY AND ENGINEER AFTER REVIEW.
- ELECTRICAL CONTRACTOR TO CUT OUT AND REMOVE SELECT PORTIONS OF WALLS AS NEEDED TO SUIT PANEL REMOVALS AND REPLACEMENTS. PATCH WALLS WITH FINISHES TO MATCH EXISTING SURROUNDINGS AS REQUIRED.
- ELECTRICAL CONTRACTOR TO ALLOW FOR THE INSTALLATION OF RECESSED STROBE DEVICES WITHIN CLASSROOMS. FIRE ALARM WIRING RACEWAYS AND BACK BOXES SHALL BE CONCEALED WITHIN EXISTING WALLS OR CEILING. ELECTRICAL CONTRACTOR SHALL PATCH AND REPAIR WALLS DAMAGED TO ACCOMPLISH THE INSTALLATION AS REQUIRED AND MATCH EXISTING.
- EXACT LOCATION OF MECHANICAL EQUIPMENT VFD'S SHALL BE VERIFIED AND COORDINATED IN THE FIELD.
- MOVE/RELOCATE EXISTING WIRELESS REPEATERS IN EACH CLASSROOM TO ACOUSTICAL CEILING. EXTEND/MODIFY EXISTING POWER AND DATA WIRE AND ASSOCIATED CONDUIT CONCEALED ABOVE ACOUSTICAL CEILING AS REQUIRED. PROVIDE SUPPORT FOR WIRELESS REPEATER AT CEILING.
- RELOCATE/MODIFY EXISTING SMART BOARD PROJECTOR IN EACH CLASSROOM AND SUPPORTS TO ALLOW FOR THE ACOUSTICAL CEILING. EXTEND/MODIFY ALL POWER AND DATA WIRE AND ASSOCIATED CONDUIT CONCEALED BY ACOUSTICAL CEILING AS REQUIRED.
- RELOCATE EXISTING CLOCK IN EACH CLASSROOM BELOW PROPOSED ACOUSTICAL CEILING. EXTEND/MODIFY EXISTING WIRING AND ASSOCIATED RACEWAYS CONCEALED WITHIN WALL. ELECTRICAL CONTRACTOR SHALL CHOP EXISTING WALL AND PATCH TO MATCH EXISTING FINISH AS REQUIRED.
- ELECTRICAL CONTRACTOR SHALL REINSTALL ALL EXISTING CEILING MOUNTED SECURITY DEVICES, WIRELESS ACCESS POINTS, AND SPEAKERS TEMPORARILY SUPPORTED DURING CONSTRUCTION. ELECTRICAL CONTRACTOR SHALL TEST AND ENSURE PROPER FUNCTION OF THESE DEVICES/EQUIPMENT AFTER REINSTALLATION. ELECTRICAL CONTRACTOR SHALL REPLACE ANY DEVICES/EQUIPMENT DAMAGED DURING CONSTRUCTION. COORDINATE INSTALLATION WITH FINISHED CEILING.
- ELECTRICAL CONTRACTOR SHALL REPLACE ALL EXISTING CEILING MOUNTED FIRE ALARM DEVICES TEMPORARILY SUPPORTED DURING CONSTRUCTION. ELECTRICAL CONTRACTOR SHALL TEST AND ENSURE PROPER FUNCTION OF THESE DEVICES/EQUIPMENT AFTER REINSTALLATION AND ENSURE PROPER FUNCTIONALITY. COORDINATE INSTALLATION WITH FINISHED CEILING.



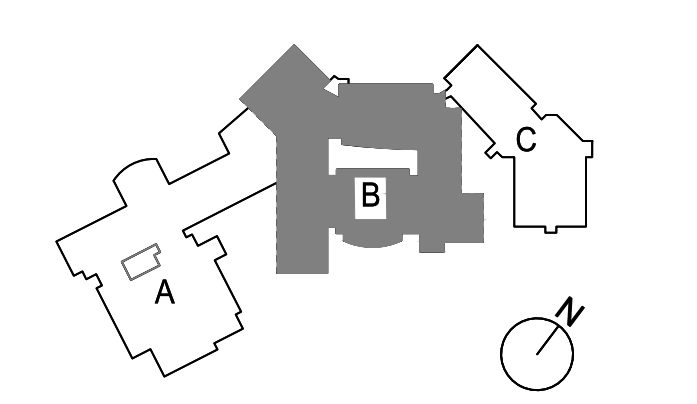
ELECTRICAL PART PLAN AT BOILER ROOM  
SCALE: 1/4" = 1'-0"



ELECTRICAL PART PLAN - POWER - BASEMENT - AREA B  
3/32" = 1'-0"

BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



# EASTCHESTER UNION FREE SCHOOL DISTRICT

## 2022 CAPITAL PROJECT PHASE 3

### MIDDLE SCHOOL / HIGH SCHOOL

ARCHITECT  
**MEMASI**  
2 LYON PLACE  
WHITE PLAINS, NY 10601  
914.915.9519  
MEMASIDESIGN.COM

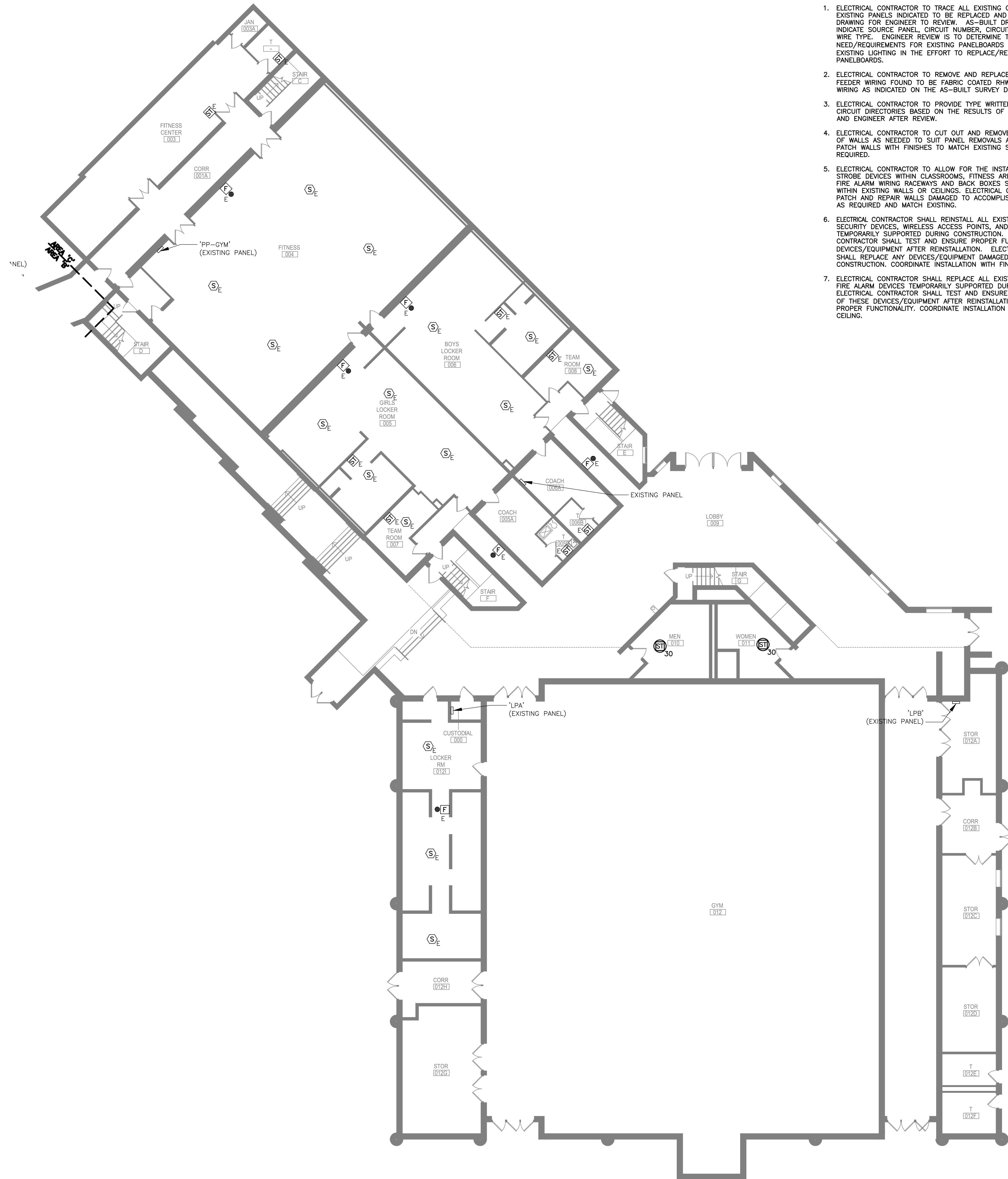
STRUCTURAL CONSULTANT  
**REILLY TARANTINO ENGINEERING**  
100 PARK BLVD, SUITE 209  
MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
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30 OAK STREET, SUITE 400  
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HAZARDOUS MATERIALS CONSULTANT  
**WSP**  
ONE PENN PLAZA  
250 W 34TH ST., 4TH FLOOR  
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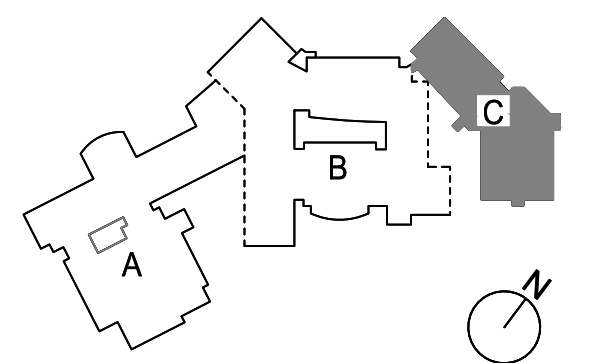
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4. ELECTRICAL CONTRACTOR TO CUT OUT AND REMOVE SELECT PORTIONS OF WALLS AS NEEDED TO SUIT PANEL REMOVALS AND REPLACEMENTS. PATCH WALLS WITH FINISHES TO MATCH EXISTING SURROUNDINGS AS REQUIRED.
5. ELECTRICAL CONTRACTOR TO ALLOW FOR THE INSTALLATION OF RECESSED STROBE DEVICES WITHIN CLASSROOMS, FITNESS AREAS, AND BATHROOMS. FIRE ALARM WIRING RACEWAYS AND BACK BOXES SHALL BE CONCEALED WITHIN EXISTING WALLS OR CEILINGS. ELECTRICAL CONTRACTOR SHALL PATCH AND REPAIR WALLS DAMAGED TO ACCOMPLISH THE INSTALLATION AS REQUIRED AND MATCH EXISTING.
6. ELECTRICAL CONTRACTOR SHALL REINSTALL ALL EXISTING CEILING MOUNTED SECURITY DEVICES, WIRELESS ACCESS POINTS, AND SPEAKERS TEMPORARILY SUPPORTED DURING CONSTRUCTION. ELECTRICAL CONTRACTOR SHALL TEST AND ENSURE PROPER FUNCTION OF THESE DEVICES/EQUIPMENT AFTER REINSTALLATION. ELECTRICAL CONTRACTOR SHALL REPLACE ANY DEVICES/EQUIPMENT DAMAGED DURING CONSTRUCTION. COORDINATE INSTALLATION WITH FINISHED CEILING.
7. ELECTRICAL CONTRACTOR SHALL REPLACE ALL EXISTING CEILING MOUNTED FIRE ALARM DEVICES TEMPORARILY SUPPORTED DURING CONSTRUCTION. ELECTRICAL CONTRACTOR SHALL TEST AND ENSURE PROPER FUNCTION OF THESE DEVICES/EQUIPMENT AFTER REINSTALLATION AND ENSURE PROPER FUNCTIONALITY. COORDINATE INSTALLATION WITH FINISHED CEILING.



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ISSUE	DATE

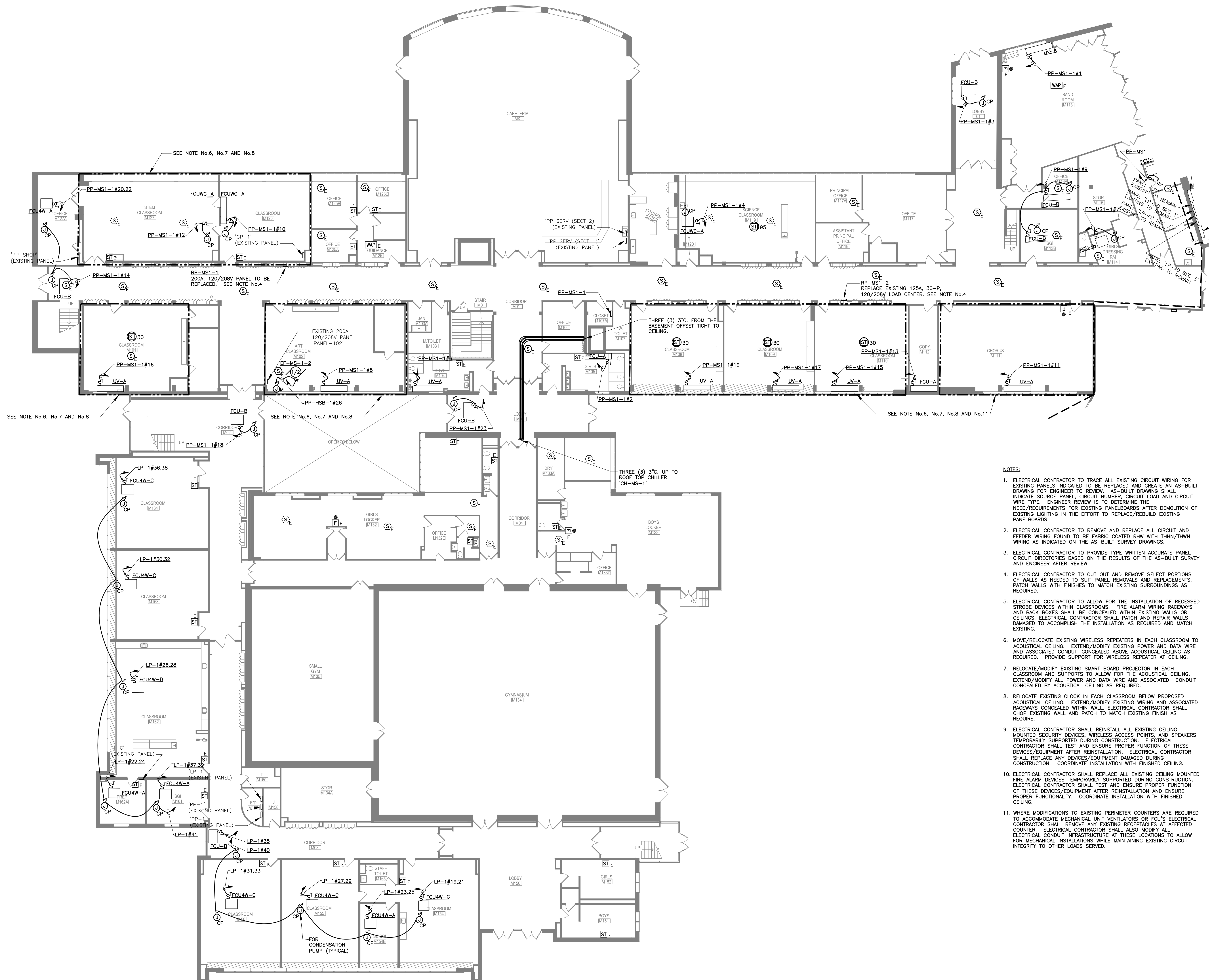
**KEY PLAN**



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

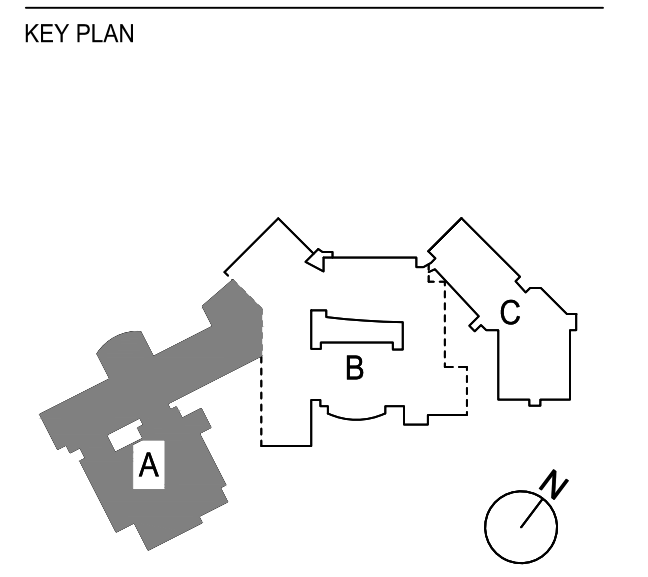
## ELECTRICAL PART PLAN - POWER - BASEMENT - AREA C

**MSHS E100-C**  
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- NOTES:**
- ELECTRICAL CONTRACTOR TO TRACE ALL EXISTING CIRCUIT WIRING FOR EXISTING PANELS INDICATED TO BE REPLACED AND CREATE AN AS-BUILT DRAWING FOR ENGINEER TO REVIEW. AS-BUILT DRAWING SHALL INDICATE SOURCE PANEL, CIRCUIT NUMBER, CIRCUIT LOAD AND CIRCUIT WIRE TYPE. ENGINEER REVIEW IS TO DETERMINE THE NEED/REQUIREMENTS FOR EXISTING PANELBOARDS AFTER DEMOLITION OF EXISTING LIGHTING IN THE EFFORT TO REPLACE/REBUILD EXISTING PANELBOARDS.
  - ELECTRICAL CONTRACTOR TO REMOVE AND REPLACE ALL CIRCUIT AND FEEDER WIRING FOUND TO BE FABRIC COATED RHW WITH THHN/THWN WIRING AS INDICATED ON THE AS-BUILT SURVEY DRAWINGS.
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  - MOVE/RELOCATE EXISTING WIRELESS REPEATERS IN EACH CLASSROOM TO ACOUSTICAL CEILING. EXTEND/MODIFY EXISTING POWER AND DATA WIRE AND ASSOCIATED CONDUIT CONCEALED ABOVE ACOUSTICAL CEILING AS REQUIRED. PROVIDE SUPPORT FOR WIRELESS REPEATER AT CEILING.
  - RELOCATE/MODIFY EXISTING SMART BOARD PROJECTOR IN EACH CLASSROOM AND SUPPORTS TO ALLOW FOR THE ACOUSTICAL CEILING. EXTEND/MODIFY ALL POWER AND DATA WIRE AND ASSOCIATED CONDUIT CONCEALED BY ACOUSTICAL CEILING AS REQUIRED.
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  - WHERE MODIFICATIONS TO EXISTING PERIMETER COUNTERS ARE REQUIRED TO ACCOMMODATE MECHANICAL UNIT VENTILATORS OR FCU'S ELECTRICAL CONTRACTOR SHALL REMOVE ANY EXISTING RECEPTACLES AT AFFECTED COUNTER. ELECTRICAL CONTRACTOR SHALL ALSO MODIFY ALL ELECTRICAL CONDUIT INFRASTRUCTURE AT THESE LOCATIONS TO ALLOW FOR MECHANICAL INSTALLATIONS WHILE MAINTAINING EXISTING CIRCUIT INTEGRITY TO OTHER LOADS SERVED.

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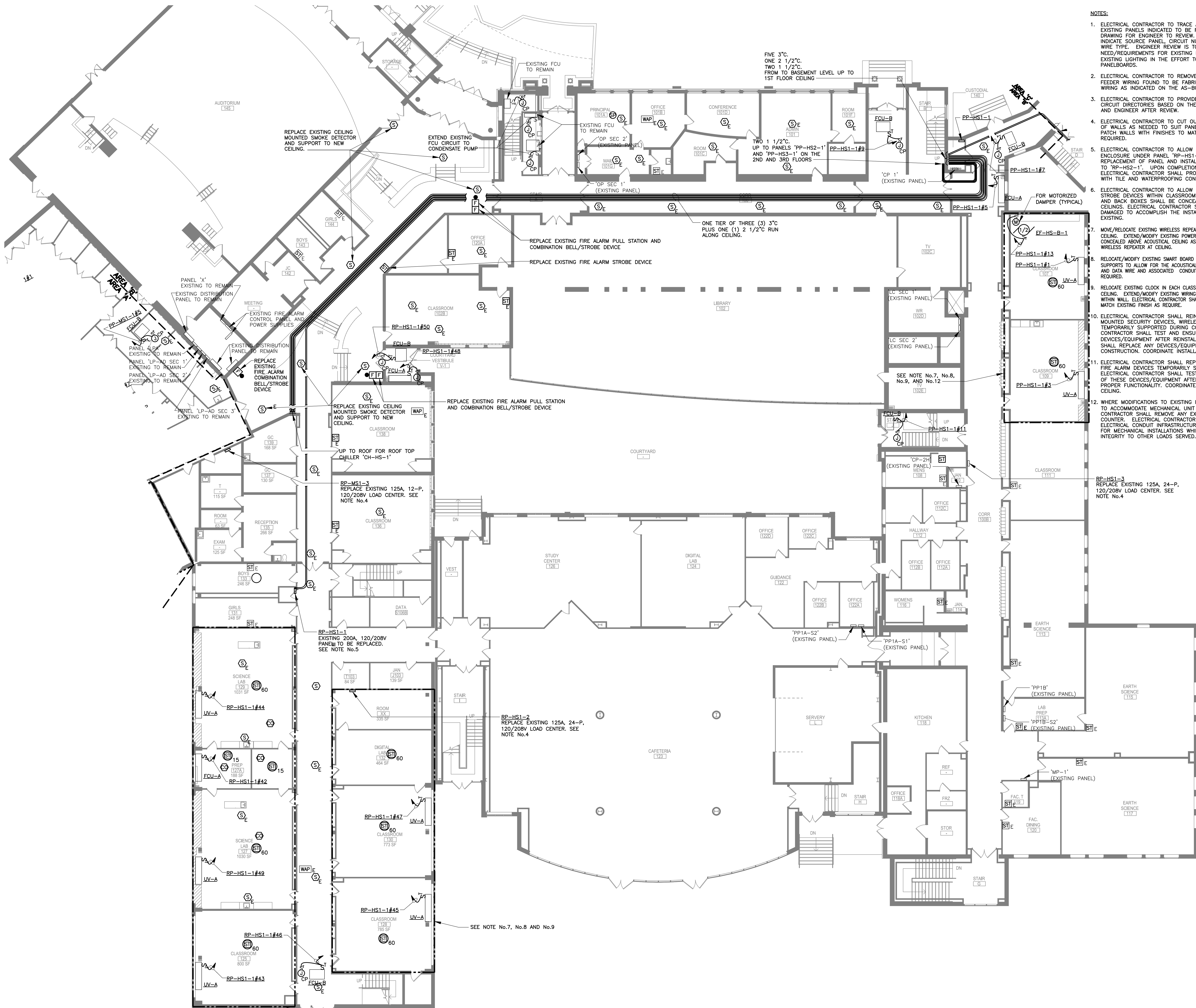


PROJECT NO.	66-03-01-03-0-003-031
MEMASI PROJECT NO.	102-2301

**ELECTRICAL PART  
PLAN - POWER - 1ST  
FLOOR - AREA A**

**NOTES:**

- ELECTRICAL CONTRACTOR TO TRACE ALL EXISTING CIRCUIT WIRING FOR EXISTING PANELS INDICATED TO BE REPLACED AND CREATE AN AS-BUILT DRAWING FOR ENGINEER TO REVIEW. AS-BUILT DRAWING SHALL INDICATE SOURCE PANEL, CIRCUIT NUMBER, CIRCUIT LOAD AND CIRCUIT WIRE TYPE. ENGINEER REVIEW IS TO DETERMINE THE NEED/REQUIREMENTS FOR EXISTING PANELBOARDS AFTER DEMOLITION OF EXISTING LIGHTING IN THE EFFORT TO REPLACE/REBUILD EXISTING PANELBOARDS.
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- ELECTRICAL CONTRACTOR TO PROVIDE TYPE WRITTEN ACCURATE PANEL CIRCUIT DIRECTORIES BASED ON THE RESULTS OF THE AS-BUILT SURVEY AND ENGINEER AFTER REVIEW.
- ELECTRICAL CONTRACTOR TO CUT OUT AND REMOVE SELECT PORTIONS OF WALLS AS NEEDED TO SUIT PANEL REMOVALS AND REPLACEMENTS. PATCH WALLS WITH FINISHES TO MATCH EXISTING SURROUNDINGS AS REQUIRED.
- ELECTRICAL CONTRACTOR TO ALLOW FOR THE REMOVAL OF EXISTING ENCLOSURE UNDER PANEL 'RP-HS1-1' TO ALLOW FOR THE REPLACEMENT OF PANEL AND INSTALLATION OF CONDUIT FROM CELLAR TO 'RP-HS2-1'. UPON COMPLETION OF ELECTRICAL INSTALLATION, ELECTRICAL CONTRACTOR SHALL PROVIDE ENCLOSURE UNDER PANEL WITH TILE AND WATERPROOFING CONSISTENT TO EXISTING.
- ELECTRICAL CONTRACTOR TO ALLOW FOR THE INSTALLATION OF RECESSED STROBE DEVICES WITHIN CLASSROOMS. FIRE ALARM WIRING RACEWAYS AND BACK BOXES SHALL BE CONCEALED WITHIN EXISTING WALLS OR CEILINGS. ELECTRICAL CONTRACTOR SHALL PATCH AND REPAIR WALLS DAMAGED TO ACCOMPLISH THE INSTALLATION AS REQUIRED AND MATCH EXISTING.
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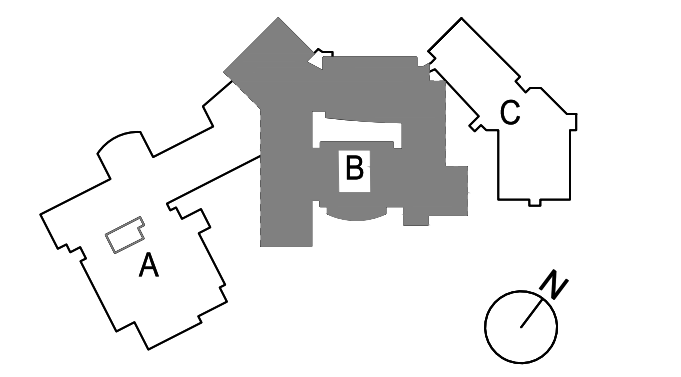


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12/18/2023  
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KEY PLAN



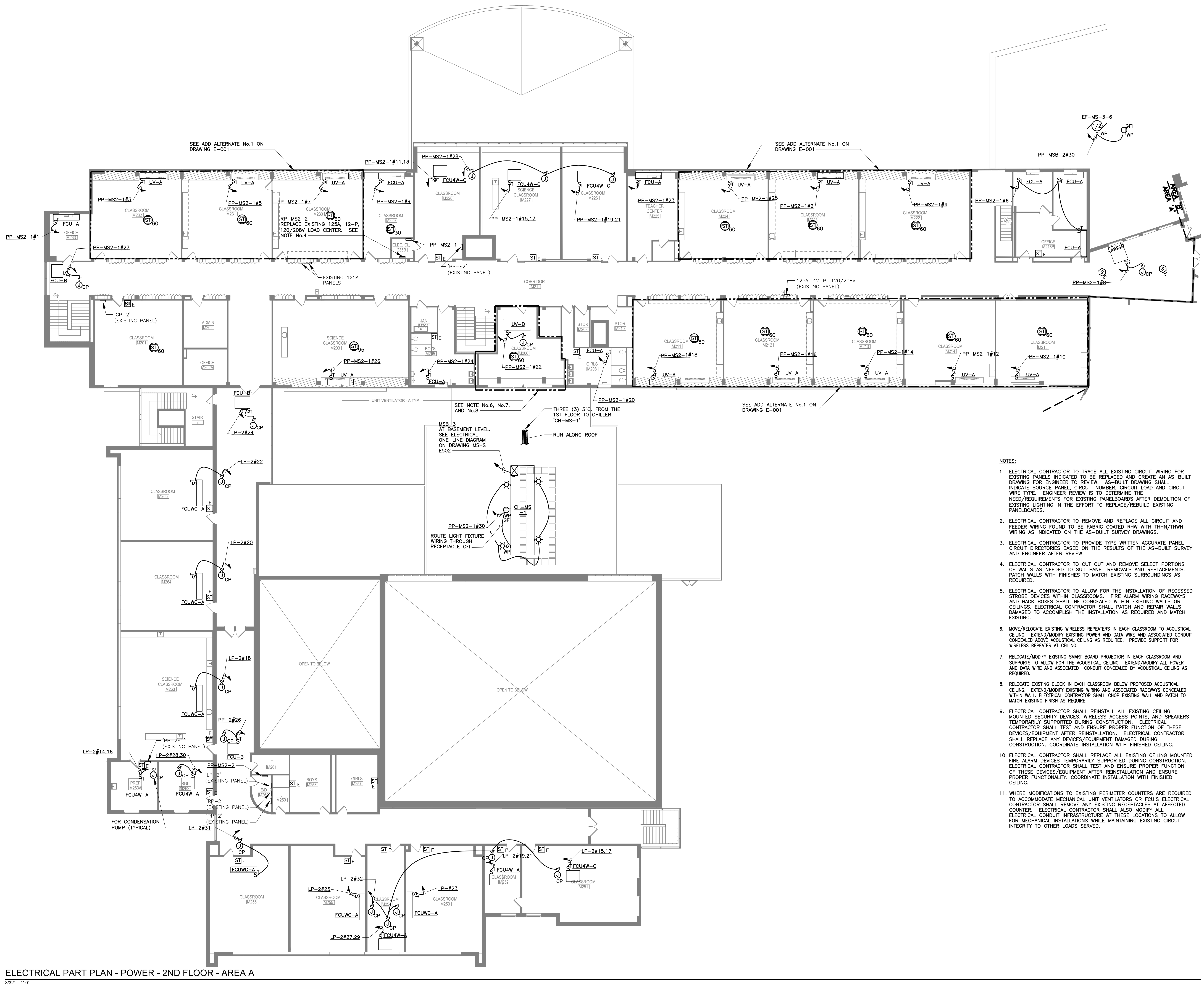
PROJECT NO. 66-03-01-03-003-031  
MEMASI PROJECT NO. 102-2301

**ELECTRICAL PART  
PLAN - POWER - 1ST  
FLOOR - AREA B**

**ELECTRICAL PART PLAN - POWER - 1ST FLOOR - AREA B**  
3/32" = 1'-0"  
SEE NOTE No.7, No.8,  
No.9, AND No.12





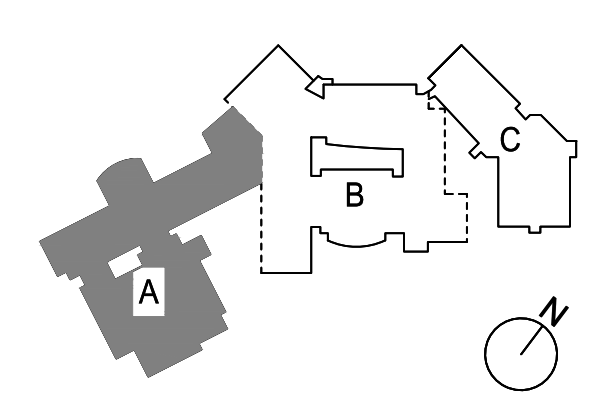


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ISSUE	DATE

**KEY PLAN**



PROJECT NO.	66-03-01-03-003-031
MEMASI PROJECT NO.	102-2301

**ELECTRICAL PART  
PLAN - POWER - 2ND  
FLOOR - AREA A**

**EASTCHESTER  
UNION FREE  
SCHOOL DISTRICT**

**2022 CAPITAL PROJECT  
PHASE 3**

**MIDDLE SCHOOL /  
HIGH SCHOOL**

**MEMASI**

2 LYON PLACE  
WHITE PLAINS, NY 10601  
914.915.9519  
MEMASIDESIGN.COM

STRUCTURAL CONSULTANT  
REILLY TARANTINO ENGINEERING  
100 PARK BLVD, SUITE 209  
MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
STANTEC  
30 OAK STREET, SUITE 400  
STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT  
WSP  
ONE PENN PLAZA  
250 W 34TH ST., 4TH FLOOR  
NEW YORK, NY 10014

**NOTES:**

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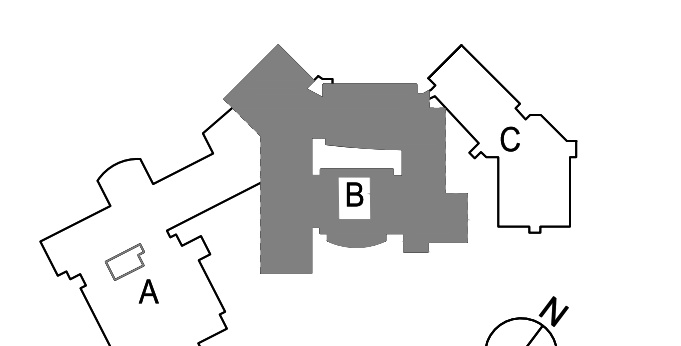
SEE ADD ALTERNATE No.2  
ON DRAWING E-001

SEE NOTE No.7, No.8  
AND No.9



BID SET 12/18/2023  
ISSUE DATE

**KEY PLAN**



PROJECT NO. 66-03-01-03-003-031  
MEMASI PROJECT NO. 102-2301

**ELECTRICAL PART  
PLAN - POWER - 2ND  
FLOOR - AREA B**

**MSHS E102-B**

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**ELECTRICAL PART PLAN - POWER - 2ND FLOOR - AREA B** SEE NOTE No.7, No.8 AND No.9  
3/32" = 1'-0"

EASTCHESTER UNION FREE SCHOOL DISTRICT  
2022 CAPITAL PROJECT PHASE 3

MIDDLE SCHOOL / HIGH SCHOOL

ARCHITECT  
**MEMASI**

2 LYON PLACE  
WHITE PLAINS, NY 10601  
914.915.9519  
MEMASIDESIGN.COM

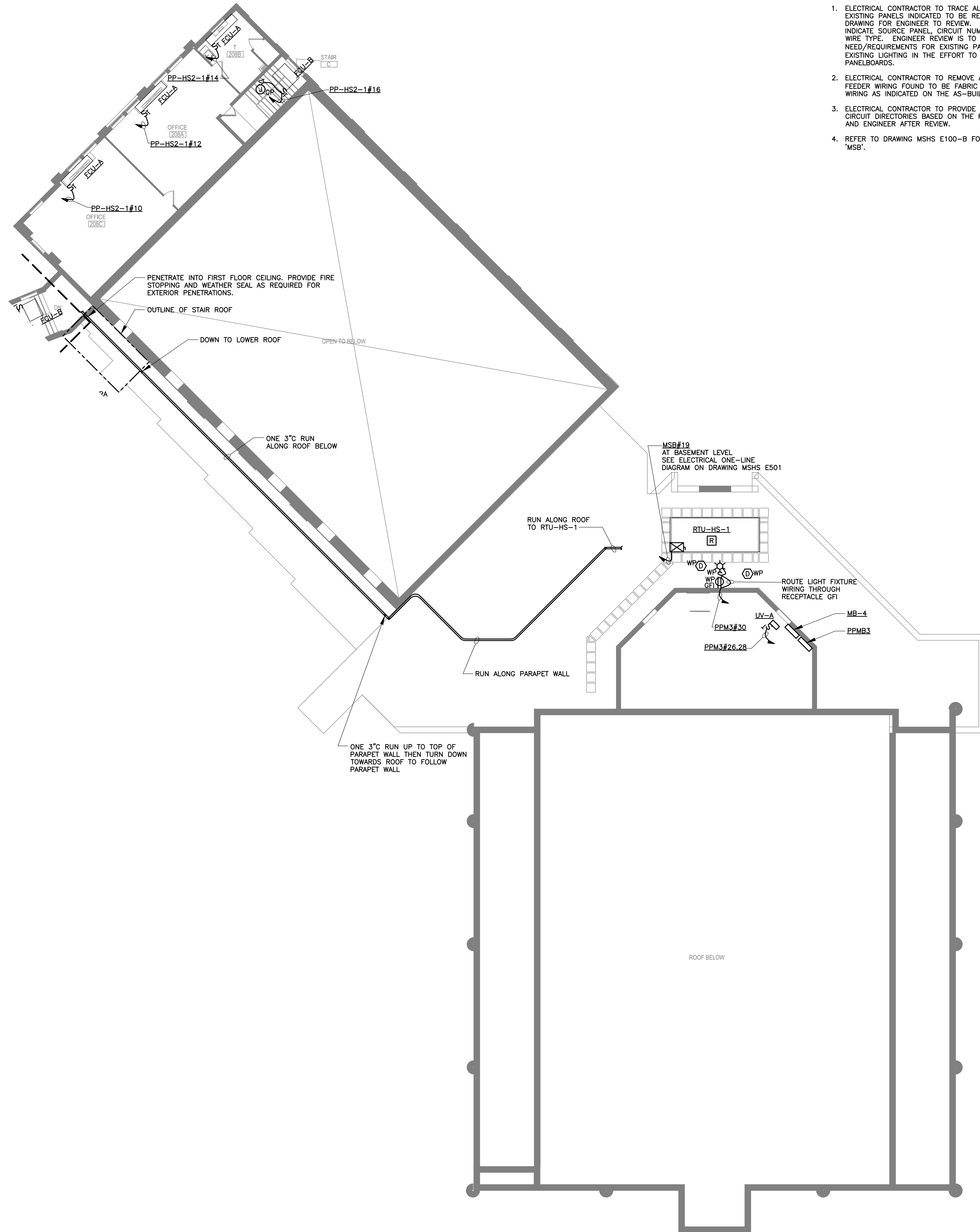
STRUCTURAL CONSULTANT  
REILLY TARANTINO ENGINEERING  
100 PARK BLVD, SUITE 209  
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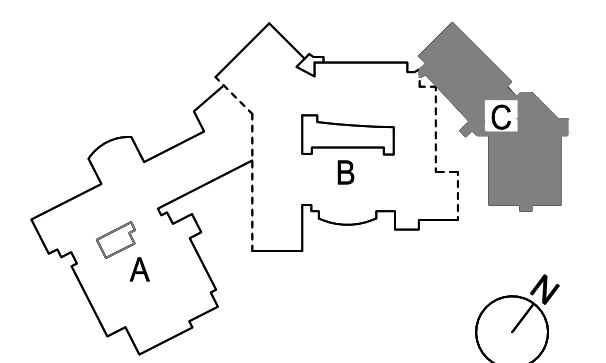
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3. ELECTRICAL CONTRACTOR TO PROVIDE TYPE WRITTEN ACCURATE PANEL CIRCUIT DIRECTORIES BASED ON THE RESULTS OF THE AS-BUILT SURVEY AND ENGINEER AFTER REVIEW.
4. REFER TO DRAWING MSHS E100-B FOR LOCATION OF SWITCHBOARD 'MSB'.



BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

ELECTRICAL PART  
PLAN - POWER - 2ND  
FLOOR - AREA C

**MSHS E102-C**

NOTES:

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7. REFER TO DRAWING MSHS E100-B FOR LOCATION OF SWITCHBOARD 'MSB'.
8. REFER TO DRAWING MSHS E102-B FOR LOCATION OF 'PANEL 'RP-HS2-1''.
9. ELECTRICAL CONTRACTOR SHALL REINSTALL ALL EXISTING CEILING MOUNTED SECURITY DEVICES, WIRELESS ACCESS POINTS, AND SPEAKERS TEMPORARILY SUPPORTED DURING CONSTRUCTION. ELECTRICAL CONTRACTOR SHALL TEST AND ENSURE PROPER FUNCTION OF THESE DEVICES/EQUIPMENT AFTER REINSTALLATION. ELECTRICAL CONTRACTOR SHALL REPLACE ANY DEVICES/EQUIPMENT DAMAGED DURING CONSTRUCTION. COORDINATE INSTALLATION WITH FINISHED CEILING.
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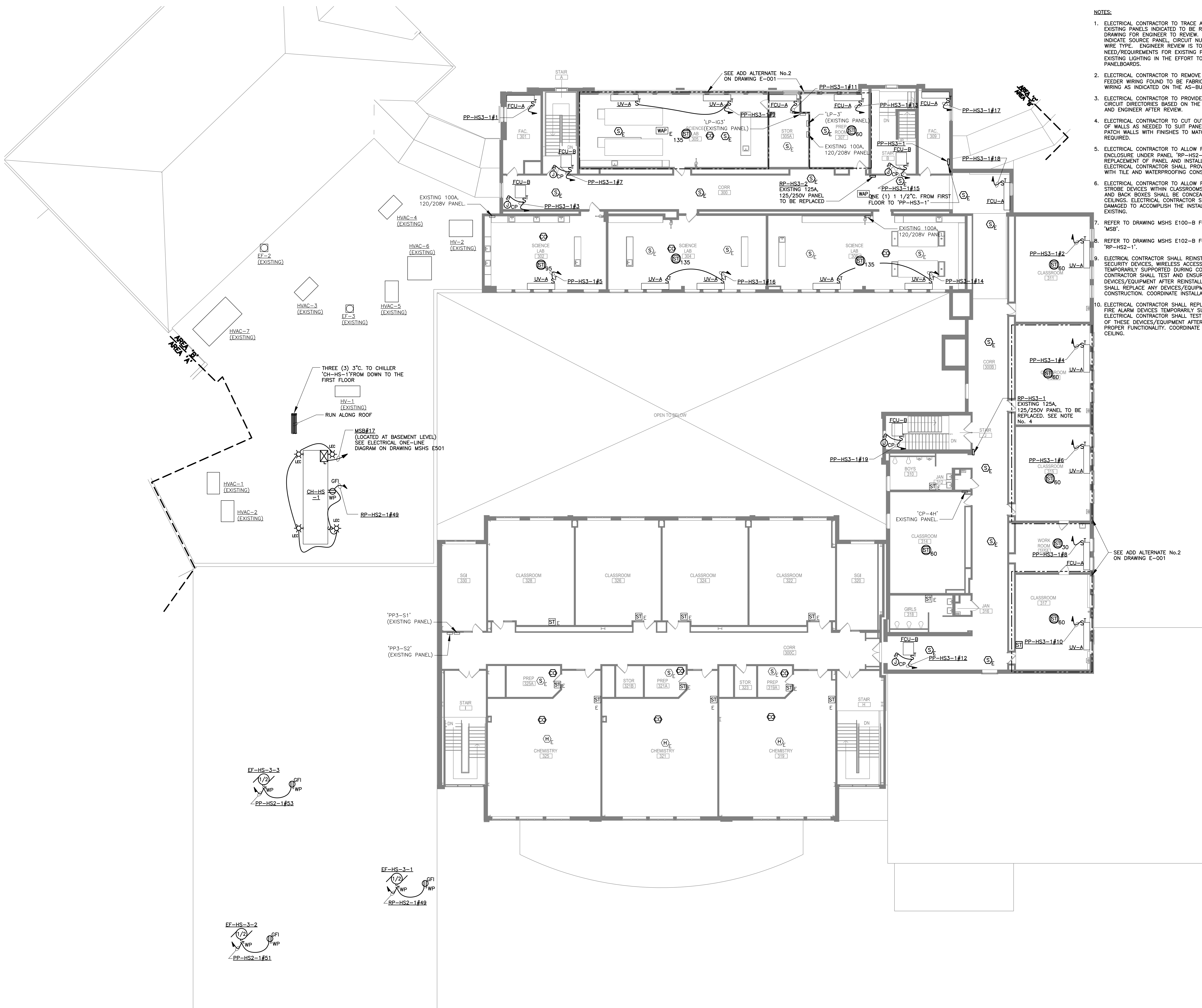
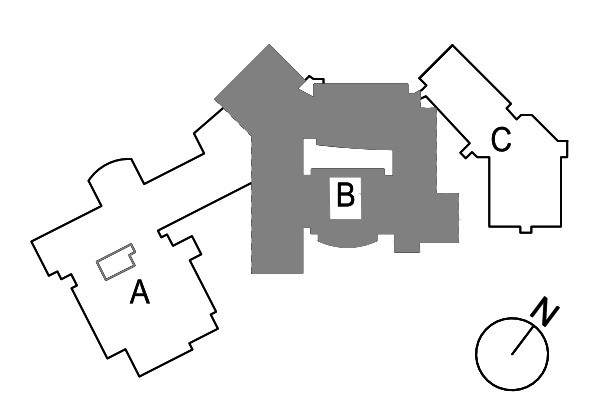


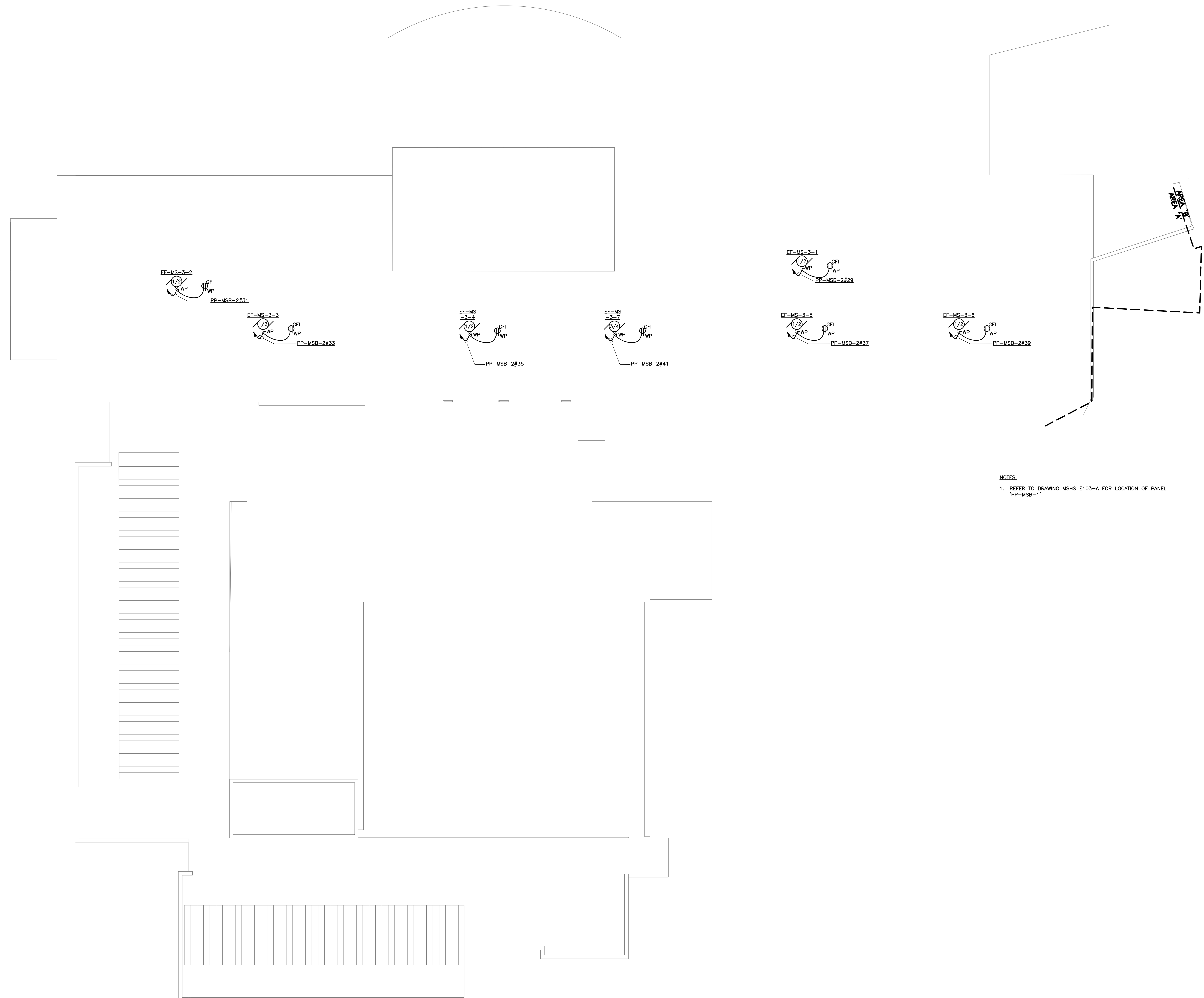
Table with 2 columns: BID SET ISSUE, 12/18/2023 DATE. The table contains multiple rows of empty cells for recording issues and dates.

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031 MEMASI PROJECT NO. 102-2301

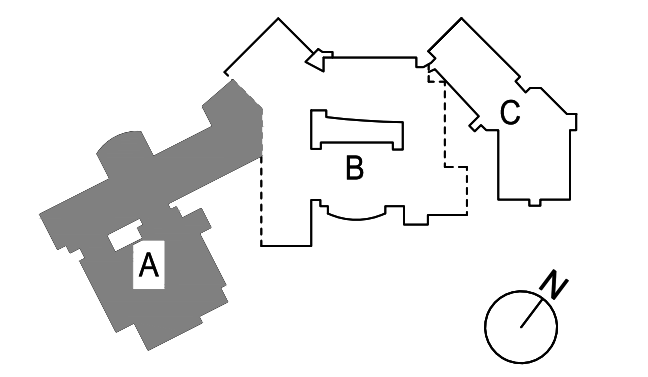
ELECTRICAL PART PLAN - POWER - 3RD FLOOR - AREA B



**NOTES:**  
1. REFER TO DRAWING MSHS E103-A FOR LOCATION OF PANEL 'PP-MSB-1'

BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



PROJECT NO.	66-03-01-03-0-003-031
MEMASI PROJECT NO.	102-2301

**ELECTRICAL PART  
PLAN - ROOF - AREA  
A**

**MSHS E103-A**

**EASTCHESTER  
UNION FREE  
SCHOOL DISTRICT**

2022 CAPITAL PROJECT  
PHASE 3

MIDDLE SCHOOL /  
HIGH SCHOOL

ARCHITECT  
**MEMASI**  
2 LYON PLACE  
WHITE PLAINS, NY 10601  
914.915.9519  
MEMASIDESIGN.COM

STRUCTURAL CONSULTANT  
REILLY TARANTINO ENGINEERING  
100 PARK BLVD, SUITE 209  
MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
STANTEC  
30 OAK STREET, SUITE 400  
STAMFORD, CT 06905

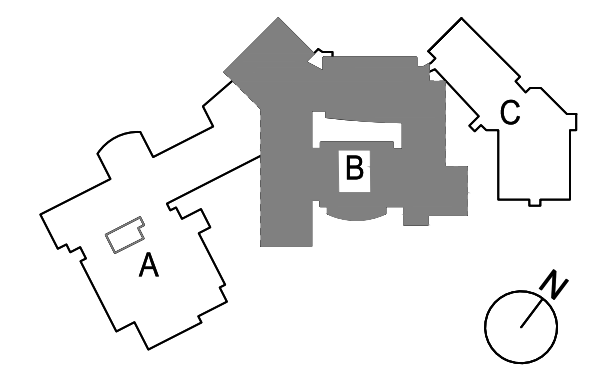
HAZARDOUS MATERIALS CONSULTANT  
WSP  
ONE PENN PLAZA  
250 W 34TH ST., 4TH FLOOR  
NEW YORK, NY 10014

NOTES:  
1. REFER TO DRAWING MSHS E103-B FOR LOCATION OF PANEL  
'PP-HSB-1'




BID SET 12/18/2023  
ISSUE DATE

KEY PLAN

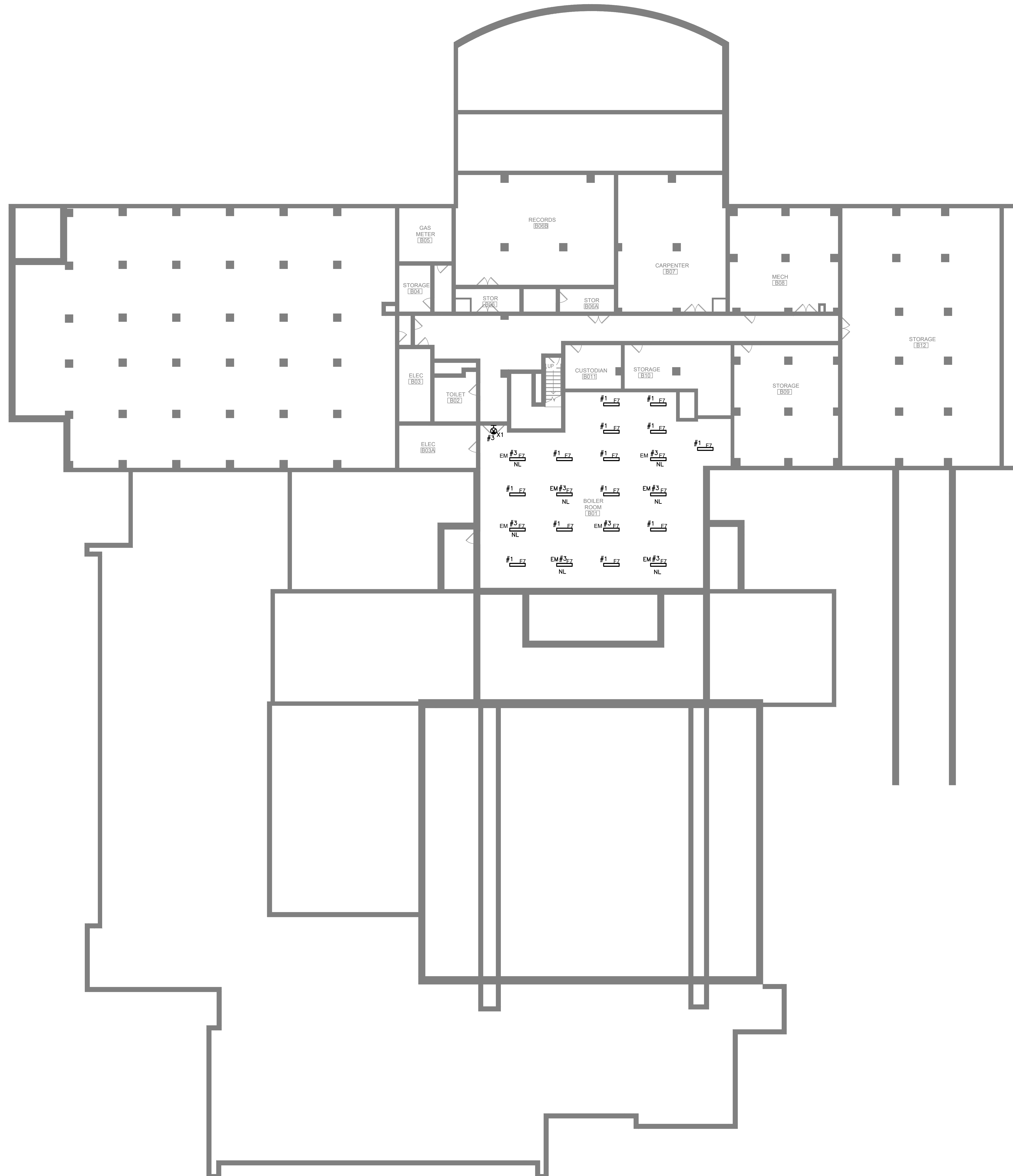


PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**ELECTRICAL PART  
PLAN - POWER -  
ROOF - AREA B**

**MSHS E104-B**

**ELECTRICAL PART PLAN - POWER - ROOF - AREA B**  
3/32" = 1'-0"

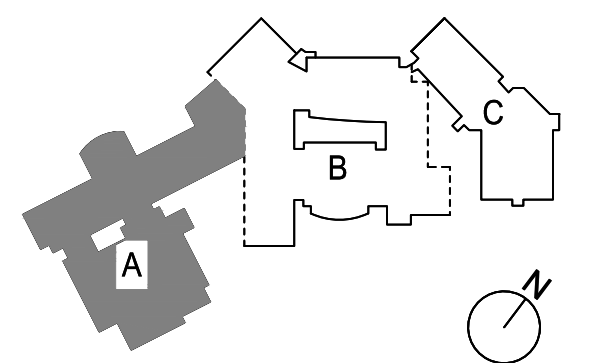


NOTES:

1. REMOVE AND REPLACE EXISTING BOILER ROOM LIGHTING. CUT EXISTING WIRING BACK TO SOURCE. PROVIDE CIRCUIT WIRING IN RMC TO SUIT LAYOUT AND RECONNECT TO EXISTING SWITCH CONTROLS.
2. EXACT LOCATION OF LIGHTING WITHIN BOILER ROOM SHALL BE COORDINATED WITH INSTALLED EQUIPMENT AND ASSOCIATED PIPING TO ENSURE FIXTURES AND SUPPORTS ARE LEVEL AND LIGHT LEVEL IS AS UNIFORMLY DISTRIBUTED AS POSSIBLE.
3. PROVIDE POWER FROM EXIT SIGN AHEAD OF AREA LIGHTING CONTROLS.
4. EXIT SIGNS AND LIGHTING FIXTURES WITH AN ADJACENT 'EM' DESIGNATION SHALL INCLUDE AND INTEGRAL 90 MINUTE EMERGENCY BATTERY DRIVER WITH TEST BUTTON AND STATUS LED. PROVIDE AN UN-SWITCH HOT LEG WIRE TO CONTROLLED EMERGENCY LIGHTING FIXTURES FOR BATTERY CHARGE AND VOLTAGE SENSING. PROVIDE A DEDICATED UN-CONTROLLED CIRCUIT TO NIGHT LIGHTS AND EXIT SIGNS.

BID SET	12/18/2023
ISSUE	DATE

KEY PLAN

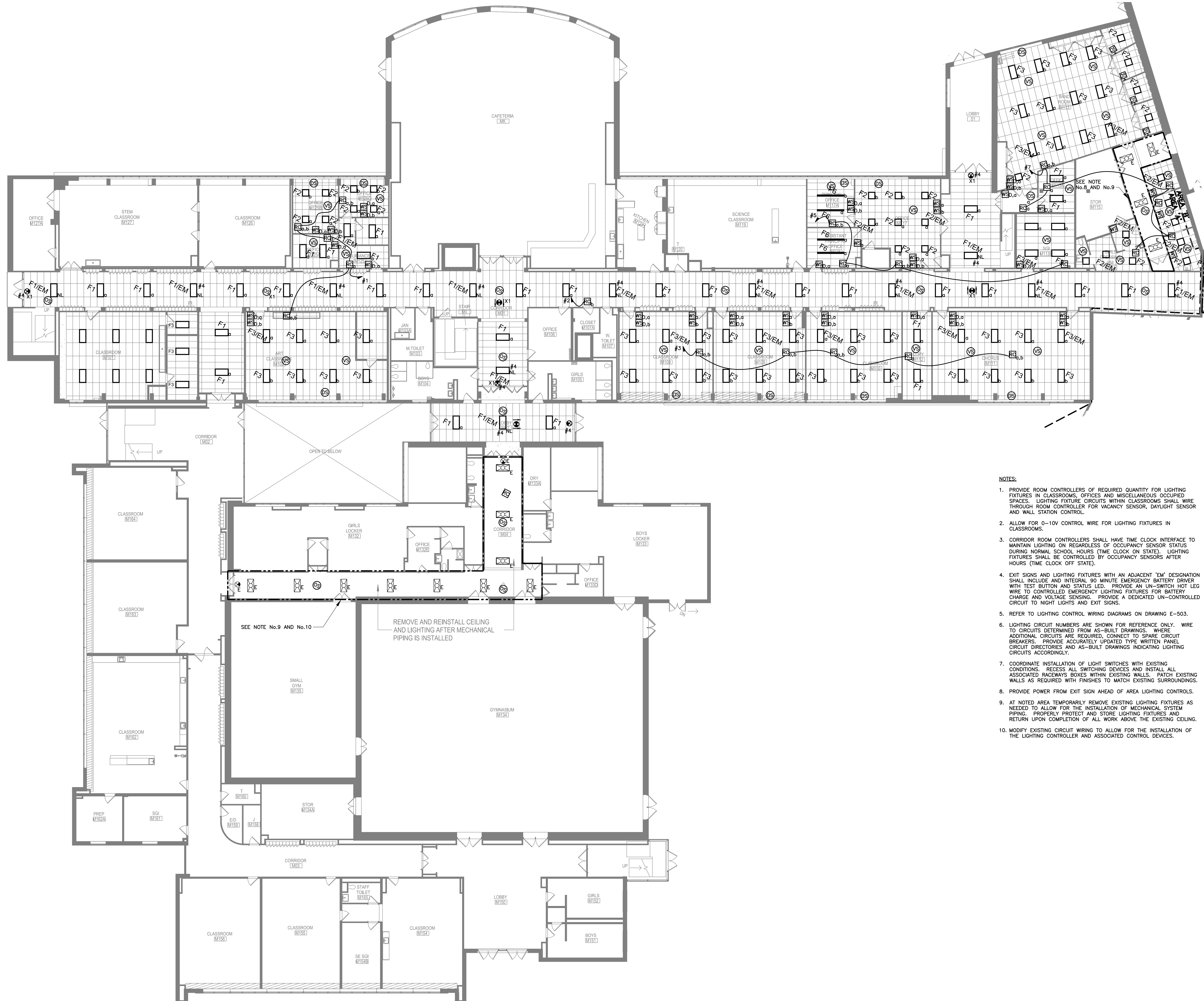


PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**ELECTRICAL PART  
PLAN - LIGHTING -  
BASEMENT - AREA A**





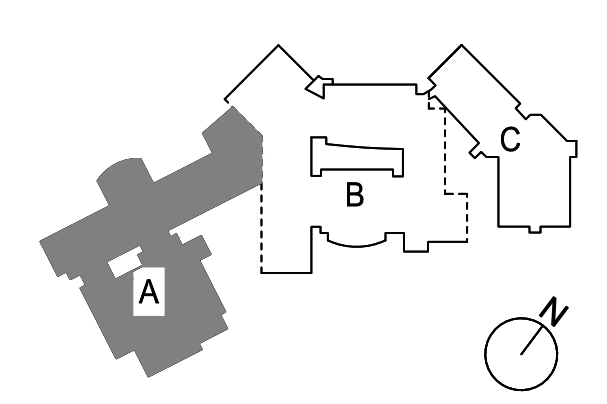


**NOTES:**

1. PROVIDE ROOM CONTROLLERS OF REQUIRED QUANTITY FOR LIGHTING FIXTURES IN CLASSROOMS, OFFICES AND MISCELLANEOUS OCCUPIED SPACES. LIGHTING FIXTURE CIRCUITS WITHIN CLASSROOMS SHALL WIRE THROUGH ROOM CONTROLLER FOR VACANCY SENSOR, DAYLIGHT SENSOR AND WALL STATION CONTROL.
2. ALLOW FOR 0-10V CONTROL WIRE FOR LIGHTING FIXTURES IN CLASSROOMS.
3. CORRIDOR ROOM CONTROLLERS SHALL HAVE TIME CLOCK INTERFACE TO MAINTAIN LIGHTING ON REGARDLESS OF OCCUPANCY SENSOR STATUS DURING NORMAL SCHOOL HOURS (TIME CLOCK ON STATE). LIGHTING FIXTURES SHALL BE CONTROLLED BY OCCUPANCY SENSORS AFTER HOURS (TIME CLOCK OFF STATE).
4. EXIT SIGNS AND LIGHTING FIXTURES WITH AN ADJACENT 'EM' DESIGNATION SHALL INCLUDE AN INTEGRAL 90 MINUTE EMERGENCY BATTERY DRIVER WITH TEST BUTTON AND STATUS LED. PROVIDE AN UN-SWITCH HOT LEG WIRE TO CONTROLLED EMERGENCY LIGHTING FIXTURES FOR BATTERY CHARGE AND VOLTAGE SENSING. PROVIDE A DEDICATED UN-CONTROLLED CIRCUIT TO NIGHT LIGHTS AND EXIT SIGNS.
5. REFER TO LIGHTING CONTROL WIRING DIAGRAMS ON DRAWING E-503.
6. LIGHTING CIRCUIT NUMBERS ARE SHOWN FOR REFERENCE ONLY. WIRE TO CIRCUITS DETERMINED FROM AS-BUILT DRAWINGS. WHERE ADDITIONAL CIRCUITS ARE REQUIRED, CONNECT TO SPARE CIRCUIT BREAKERS. PROVIDE ACCURATELY UPDATED TYPE WRITTEN PANEL CIRCUIT DIRECTORIES AND AS-BUILT DRAWINGS INDICATING LIGHTING CIRCUITS ACCORDINGLY.
7. COORDINATE INSTALLATION OF LIGHT SWITCHES WITH EXISTING CONDITIONS. RECESS ALL SWITCHING DEVICES AND INSTALL ALL ASSOCIATED RACEWAYS BOXES WITHIN EXISTING WALLS. PATCH EXISTING WALLS AS REQUIRED WITH FINISHES TO MATCH EXISTING SURROUNDINGS.
8. PROVIDE POWER FROM EXIT SIGN AHEAD OF AREA LIGHTING CONTROLS.
9. AT NOTED AREA TEMPORARILY REMOVE EXISTING LIGHTING FIXTURES AS NEEDED TO ALLOW FOR THE INSTALLATION OF MECHANICAL SYSTEM PIPING. PROPERLY PROTECT AND STORE LIGHTING FIXTURES AND RETURN UPON COMPLETION OF ALL WORK ABOVE THE EXISTING CEILING.
10. MODIFY EXISTING CIRCUIT WIRING TO ALLOW FOR THE INSTALLATION OF THE LIGHTING CONTROLLER AND ASSOCIATED CONTROL DEVICES.

BID SET 12/18/2023  
ISSUE DATE

KEY PLAN

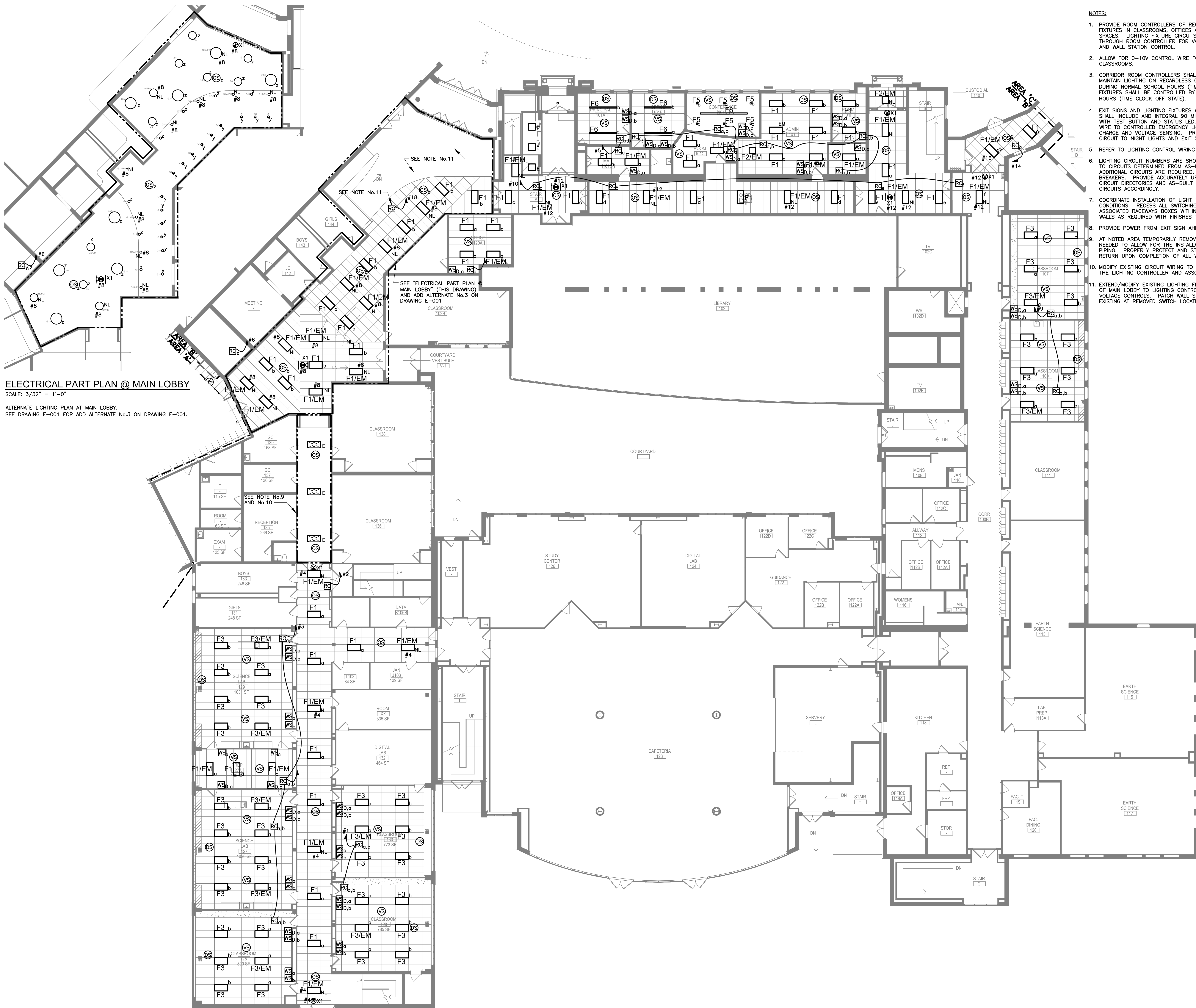


PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**ELECTRICAL PART  
PLAN - LIGHTING -  
1ST FLOOR - AREA A**

**NOTES:**

1. PROVIDE ROOM CONTROLLERS OF REQUIRED QUANTITY FOR LIGHTING FIXTURES IN CLASSROOMS, OFFICES AND MISCELLANEOUS OCCUPIED SPACES. LIGHTING FIXTURE CIRCUITS WITHIN CLASSROOMS SHALL WIRE THROUGH ROOM CONTROLLER FOR VACANCY SENSOR, DAYLIGHT SENSOR AND WALL STATION CONTROL.
2. ALLOW FOR 0-10V CONTROL WIRE FOR LIGHTING FIXTURES IN CLASSROOMS.
3. CORRIDOR ROOM CONTROLLERS SHALL HAVE TIME CLOCK INTERFACE TO MAINTAIN LIGHTING ON REGARDLESS OF OCCUPANCY SENSOR STATUS DURING NORMAL SCHOOL HOURS (TIME CLOCK ON STATE). LIGHTING FIXTURES SHALL BE CONTROLLED BY OCCUPANCY SENSORS AFTER HOURS (TIME CLOCK OFF STATE).
4. EXIT SIGNS AND LIGHTING FIXTURES WITH AN ADJACENT 'EM' DESIGNATION SHALL INCLUDE AND INTEGRAL 90 MINUTE EMERGENCY BATTERY DRIVER WITH TEST BUTTON AND STATUS LED. PROVIDE AN UN-SWITCH HOT LEG WIRE TO CONTROLLED EMERGENCY LIGHTING FIXTURES FOR BATTERY CHARGE AND VOLTAGE SENSING. PROVIDE A DEDICATED UN-CONTROLLED CIRCUIT TO NIGHT LIGHTS AND EXIT SIGNS.
5. REFER TO LIGHTING CONTROL WIRING DIAGRAMS ON DRAWING E-503.
6. LIGHTING CIRCUIT NUMBERS ARE SHOWN FOR REFERENCE ONLY. WIRE TO CIRCUITS DETERMINED FROM AS-BUILT DRAWINGS. WHERE ADDITIONAL CIRCUITS ARE REQUIRED, CONNECT TO SPARE CIRCUIT BREAKERS. PROVIDE ACCURATELY UPDATED TYPE WRITTEN PANEL CIRCUIT DIRECTORIES AND AS-BUILT DRAWINGS INDICATING LIGHTING CIRCUITS ACCORDINGLY.
7. COORDINATE INSTALLATION OF LIGHT SWITCHES WITH EXISTING CONDITIONS. RECESS ALL SWITCHING DEVICES AND INSTALL ALL ASSOCIATED RACEWAYS BOXES WITHIN EXISTING WALLS. PATCH EXISTING WALLS AS REQUIRED WITH FINISHES TO MATCH EXISTING SURROUNDINGS.
8. PROVIDE POWER FROM EXIT SIGN AHEAD OF AREA LIGHTING CONTROLS.
9. AT NOTED AREA TEMPORARILY REMOVE EXISTING LIGHTING FIXTURES AS NEEDED TO ALLOW FOR THE INSTALLATION OF MECHANICAL SYSTEM PIPING. PROPERLY PROTECT AND STORE LIGHTING FIXTURES AND RETURN UPON COMPLETION OF ALL WORK ABOVE THE EXISTING CEILING.
10. MODIFY EXISTING CIRCUIT WIRING TO ALLOW FOR THE INSTALLATION OF THE LIGHTING CONTROLLER AND ASSOCIATED CONTROL DEVICES.
11. EXTEND/MODIFY EXISTING LIGHTING FIXTURE WIRING AT GYPSUM CEILING OF MAIN LOBBY TO LIGHTING CONTROLLER. REMOVE EXISTING LINE VOLTAGE CONTROLS. PATCH WALL SURFACE SURROUNDINGS TO MATCH EXISTING AT REMOVED SWITCH LOCATIONS.

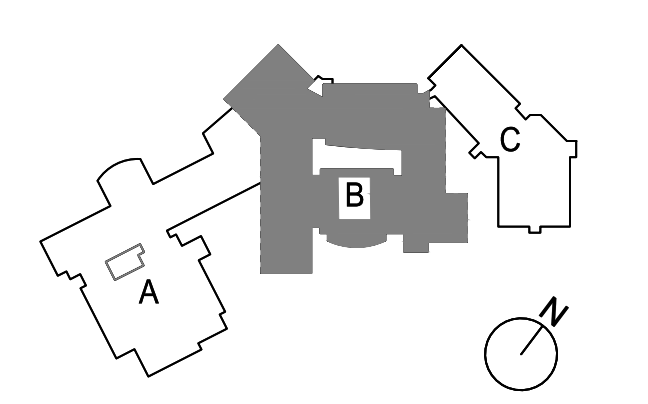


**ELECTRICAL PART PLAN @ MAIN LOBBY**  
SCALE: 3/32" = 1'-0"  
ALTERNATE LIGHTING PLAN AT MAIN LOBBY.  
SEE DRAWING E-001 FOR ADD ALTERNATE No.3 ON DRAWING E-001.

**ELECTRICAL PART PLAN - LIGHTING - 1ST FLOOR - AREA B**  
3/32" = 1'-0"

BID SET	12/18/2023
ISSUE	DATE

**KEY PLAN**



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**ELECTRICAL PART  
PLAN - LIGHTING -  
1ST FLOOR - AREA B**

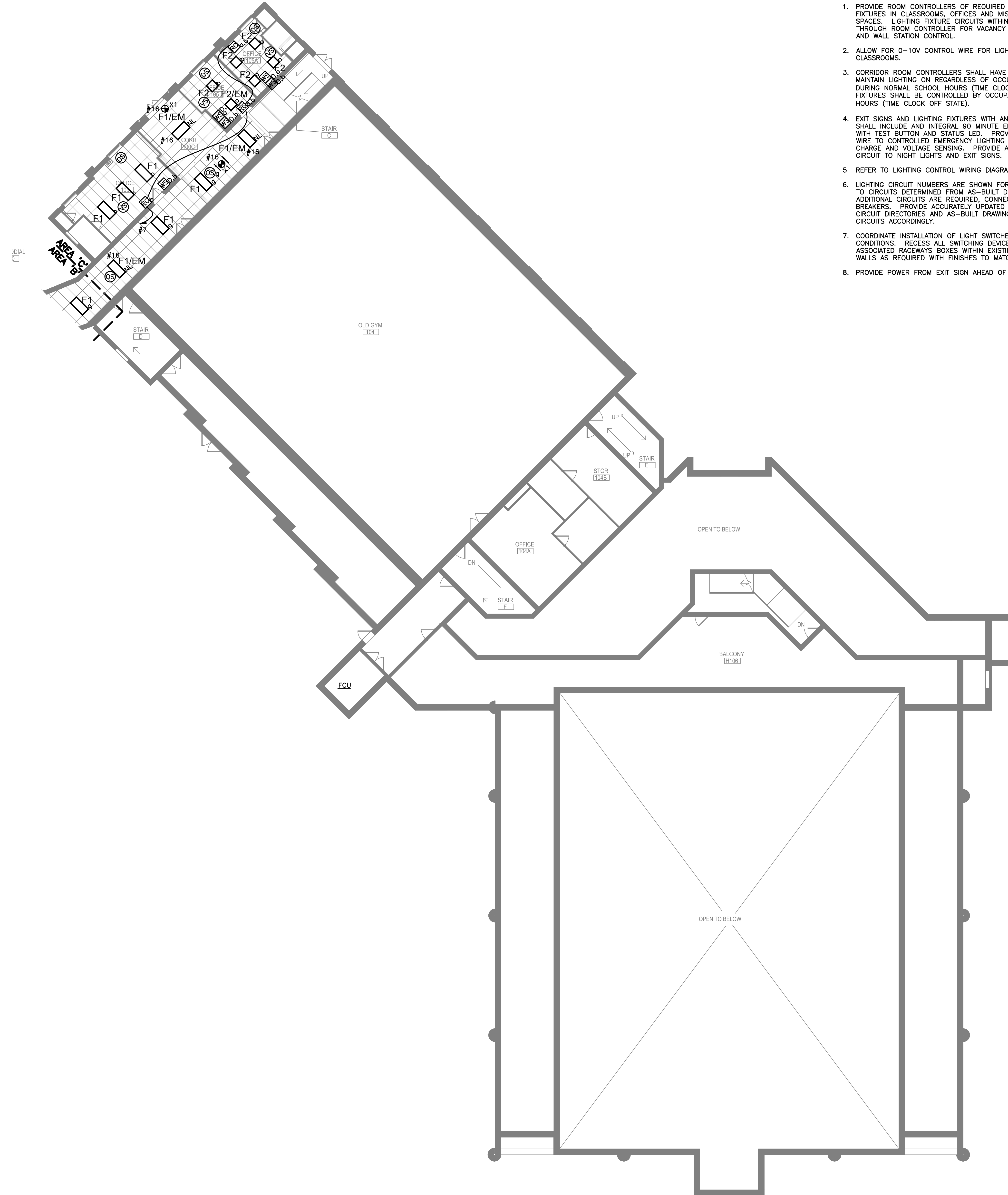
ARCHITECT  
**MEMASI**  
2 LYON PLACE  
WHITE PLAINS, NY 10601  
914.915.9519  
MEMASIDESIGN.COM

STRUCTURAL CONSULTANT  
**REILLY TARANTINO ENGINEERING**  
100 PARK BLVD, SUITE 209  
MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
**STANTEC**  
30 OAK STREET, SUITE 400  
STAMFORD, CT 06905  
  
HAZARDOUS MATERIALS CONSULTANT  
**WSP**  
ONE PENN PLAZA  
250 W 54TH ST., 4TH FLOOR  
NEW YORK, NY 10014

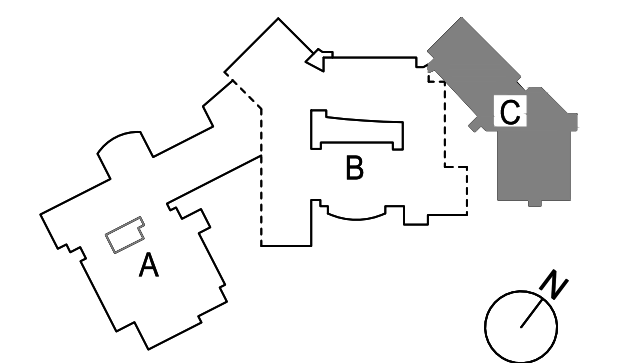
**NOTES:**

1. PROVIDE ROOM CONTROLLERS OF REQUIRED QUANTITY FOR LIGHTING FIXTURES IN CLASSROOMS, OFFICES AND MISCELLANEOUS OCCUPIED SPACES. LIGHTING FIXTURE CIRCUITS WITHIN CLASSROOMS SHALL WIRE THROUGH ROOM CONTROLLER FOR VACANCY SENSOR, DAYLIGHT SENSOR AND WALL STATION CONTROL.
2. ALLOW FOR 0-10V CONTROL WIRE FOR LIGHTING FIXTURES IN CLASSROOMS.
3. CORRIDOR ROOM CONTROLLERS SHALL HAVE TIME CLOCK INTERFACE TO MAINTAIN LIGHTING ON REGARDLESS OF OCCUPANCY SENSOR STATUS DURING NORMAL SCHOOL HOURS (TIME CLOCK ON STATE). LIGHTING FIXTURES SHALL BE CONTROLLED BY OCCUPANCY SENSORS AFTER HOURS (TIME CLOCK OFF STATE).
4. EXIT SIGNS AND LIGHTING FIXTURES WITH AN ADJACENT 'EM' DESIGNATION SHALL INCLUDE AN INTEGRAL 90 MINUTE EMERGENCY BATTERY DRIVER WITH TEST BUTTON AND STATUS LED. PROVIDE AN UN-SWITCH HOT LEG WIRE TO CONTROLLED EMERGENCY LIGHTING FIXTURES FOR BATTERY CHARGE AND VOLTAGE SENSING. PROVIDE A DEDICATED UN-CONTROLLED CIRCUIT TO NIGHT LIGHTS AND EXIT SIGNS.
5. REFER TO LIGHTING CONTROL WIRING DIAGRAMS ON DRAWING E-503.
6. LIGHTING CIRCUIT NUMBERS ARE SHOWN FOR REFERENCE ONLY. WIRE TO CIRCUITS DETERMINED FROM AS-BUILT DRAWINGS. WHERE ADDITIONAL CIRCUITS ARE REQUIRED, CONNECT TO SPARE CIRCUIT BREAKERS. PROVIDE ACCURATELY UPDATED TYPE WRITTEN PANEL CIRCUIT DIRECTORIES AND AS-BUILT DRAWINGS INDICATING LIGHTING CIRCUITS ACCORDINGLY.
7. COORDINATE INSTALLATION OF LIGHT SWITCHES WITH EXISTING CONDITIONS. RECESS ALL SWITCHING DEVICES AND INSTALL ALL ASSOCIATED RACEWAYS BOXES WITHIN EXISTING WALLS. PATCH EXISTING WALLS AS REQUIRED WITH FINISHES TO MATCH EXISTING SURROUNDINGS.
8. PROVIDE POWER FROM EXIT SIGN AHEAD OF AREA LIGHTING CONTROLS.



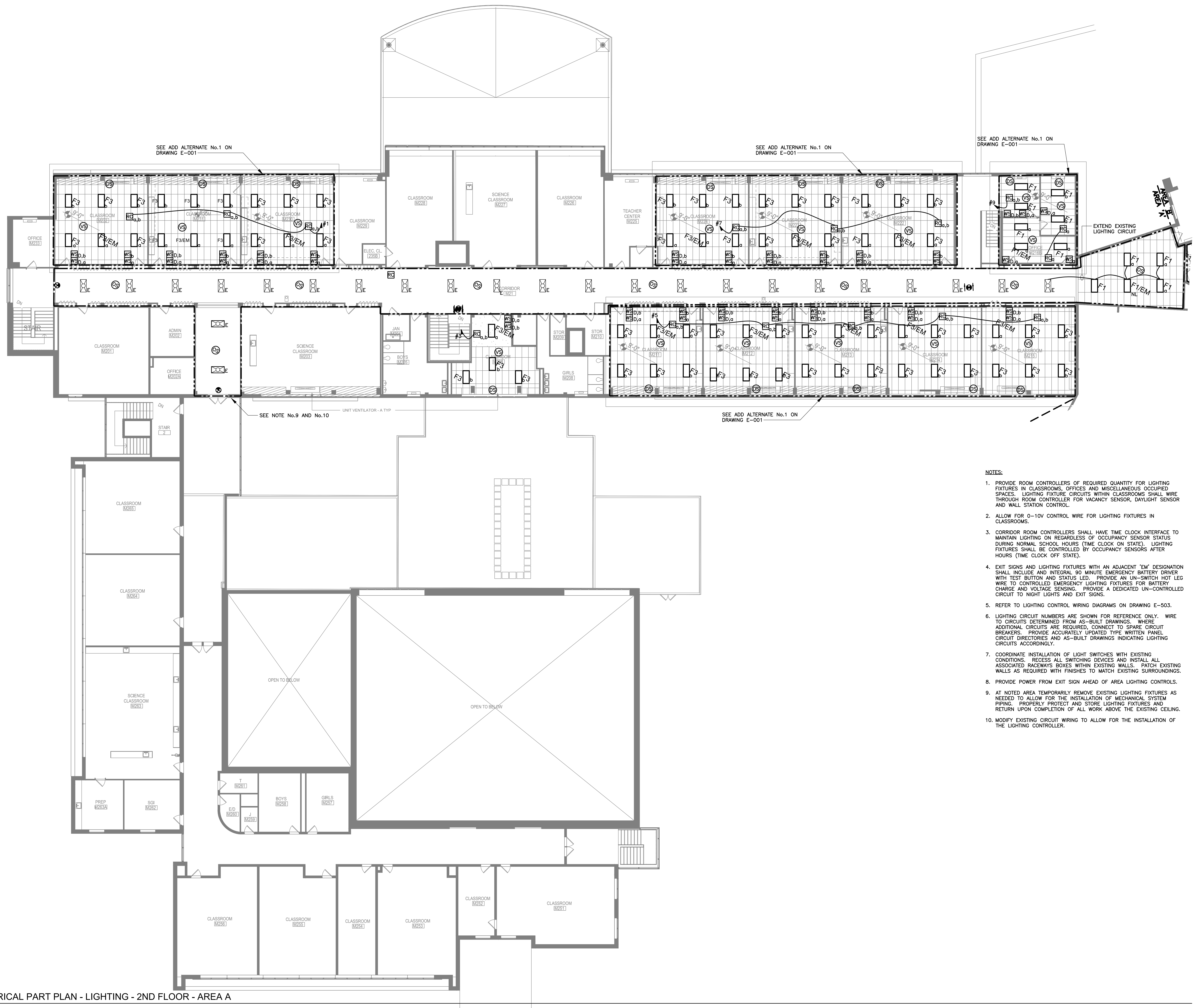
BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**ELECTRICAL PART  
PLAN - LIGHTING -  
1ST FLOOR - AREA C**

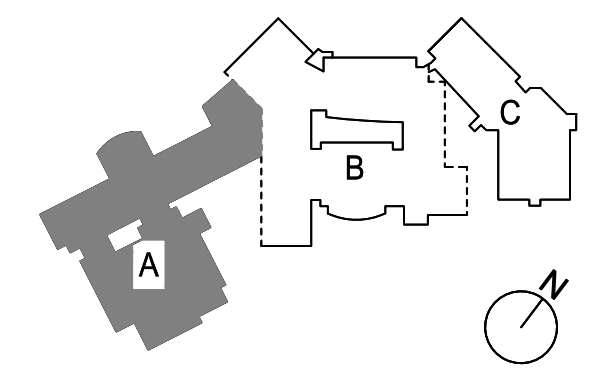


**NOTES:**

1. PROVIDE ROOM CONTROLLERS OF REQUIRED QUANTITY FOR LIGHTING FIXTURES IN CLASSROOMS, OFFICES AND MISCELLANEOUS OCCUPIED SPACES. LIGHTING FIXTURE CIRCUITS WITHIN CLASSROOMS SHALL WIRE THROUGH ROOM CONTROLLER FOR VACANCY SENSOR, DAYLIGHT SENSOR AND WALL STATION CONTROL.
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8. PROVIDE POWER FROM EXIT SIGN AHEAD OF AREA LIGHTING CONTROLS.
9. AT NOTED AREA TEMPORARILY REMOVE EXISTING LIGHTING FIXTURES AS NEEDED TO ALLOW FOR THE INSTALLATION OF MECHANICAL SYSTEM PIPING. PROPERLY PROTECT AND STORE LIGHTING FIXTURES AND RETURN UPON COMPLETION OF ALL WORK ABOVE THE EXISTING CEILING.
10. MODIFY EXISTING CIRCUIT WIRING TO ALLOW FOR THE INSTALLATION OF THE LIGHTING CONTROLLER.

BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



PROJECT NO.	66-03-01-03-0-003-031
MEMASI PROJECT NO.	102-2301

**ELECTRICAL PART  
PLAN - LIGHTING -  
2ND FLOOR - AREA A**

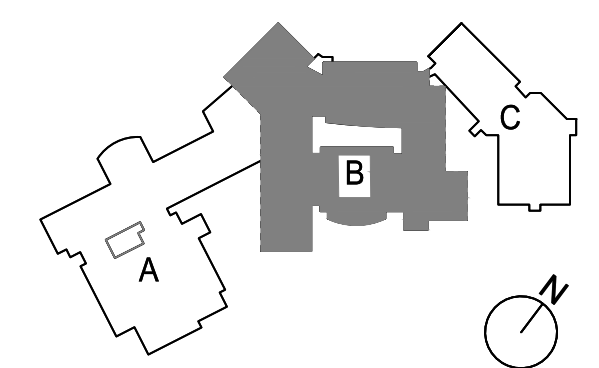
NOTES:

- 1. PROVIDE ROOM CONTROLLERS OF REQUIRED QUANTITY FOR LIGHTING FIXTURES IN CLASSROOMS, OFFICES AND MISCELLANEOUS OCCUPIED SPACES. LIGHTING FIXTURE CIRCUITS WITHIN CLASSROOMS SHALL WIRE THROUGH ROOM CONTROLLER FOR VACANCY SENSOR, DAYLIGHT SENSOR AND WALL STATION CONTROL.
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8. PROVIDE POWER FROM EXIT SIGN AHEAD OF AREA LIGHTING CONTROLS.

SEE ADD ALTERNATE No.2 ON DRAWING E-001

Table with 2 columns: BID SET ISSUE, 12/18/2023 DATE

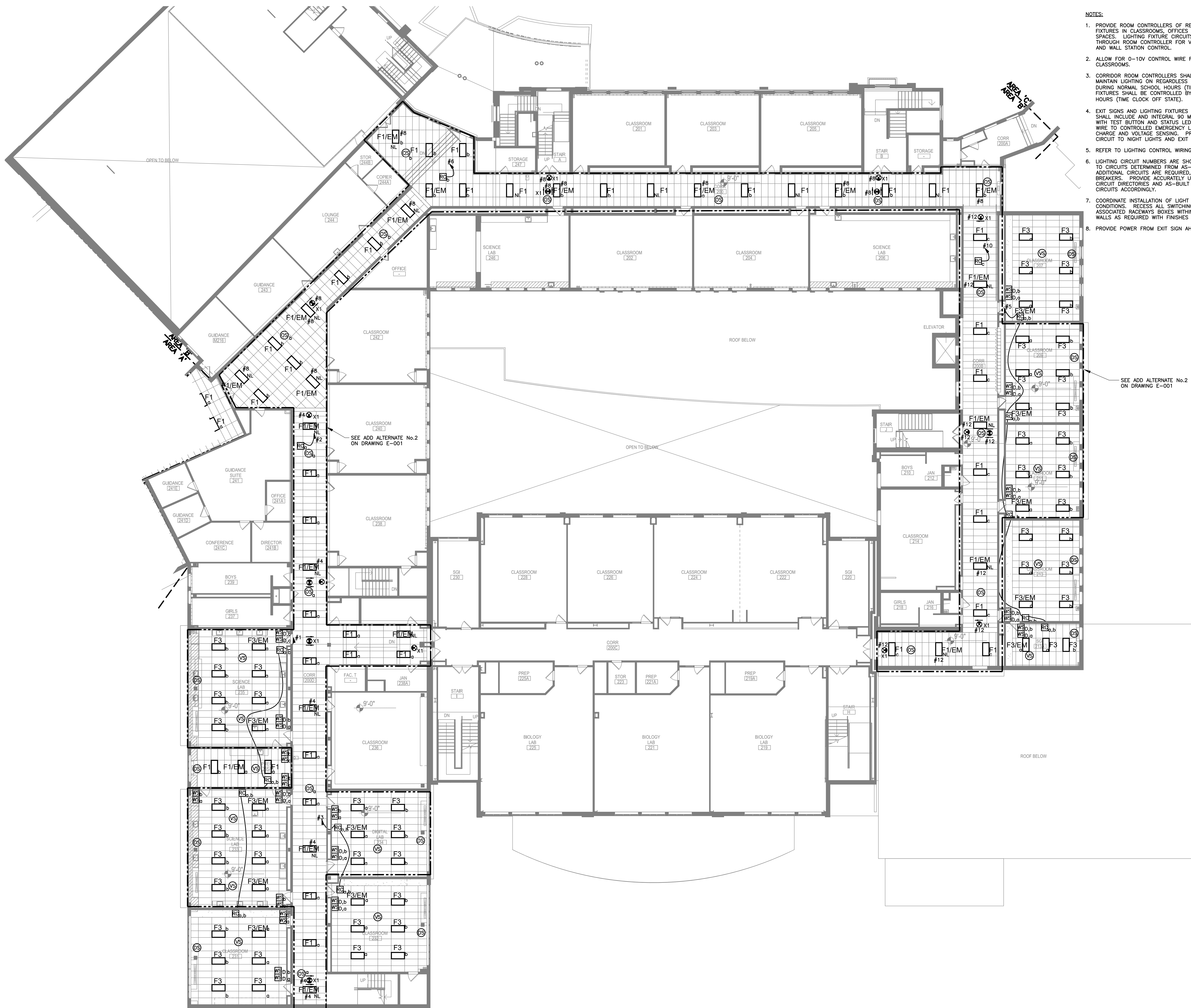
KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031 MEMASI PROJECT NO. 102-2301

ELECTRICAL PART PLAN - LIGHTING - 2ND FLOOR - AREA B

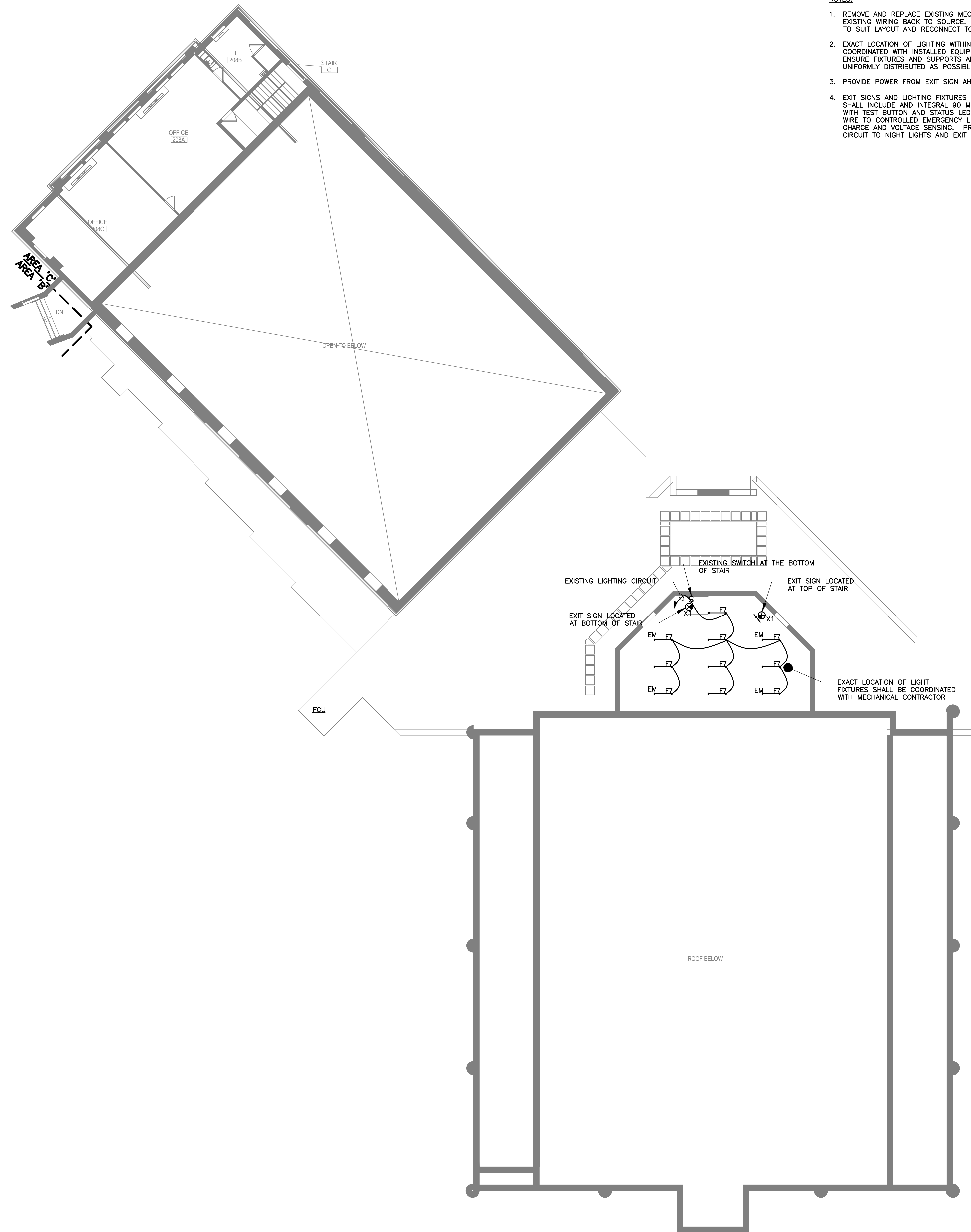
MSHS E202-B



ELECTRICAL PART PLAN - LIGHTING - 2ND FLOOR - AREA B

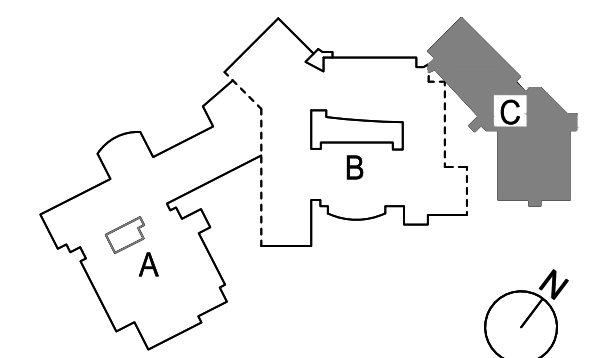
3/32" = 1'-0"

- NOTES:
- REMOVE AND REPLACE EXISTING MECHANICAL ROOM LIGHTING. CUT EXISTING WIRING BACK TO SOURCE. PROVIDE CIRCUIT WIRING IN RMC TO SUIT LAYOUT AND RECONNECT TO EXISTING SWITCH CONTROLS.
  - EXACT LOCATION OF LIGHTING WITHIN MECHANICAL ROOM SHALL BE COORDINATED WITH INSTALLED EQUIPMENT AND ASSOCIATED PIPING TO ENSURE FIXTURES AND SUPPORTS ARE LEVEL AND LIGHT LEVEL IS AS UNIFORMLY DISTRIBUTED AS POSSIBLE.
  - PROVIDE POWER FROM EXIT SIGN AHEAD OF AREA LIGHTING CONTROLS.
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KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**ELECTRICAL PART  
PLAN - LIGHTING -  
2ND FLOOR - AREA C**

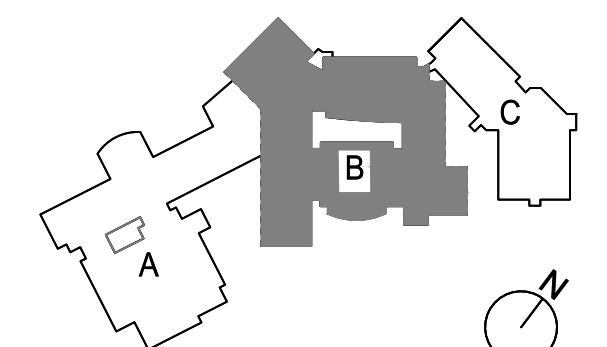
**NOTES:**

1. PROVIDE ROOM CONTROLLERS OF REQUIRED QUANTITY FOR LIGHTING FIXTURES IN CLASSROOMS, OFFICES AND MISCELLANEOUS OCCUPIED SPACES. LIGHTING FIXTURE CIRCUITS WITHIN CLASSROOMS SHALL WIRE THROUGH ROOM CONTROLLER FOR VACANCY SENSOR, DAYLIGHT SENSOR AND WALL STATION CONTROL.
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8. PROVIDE POWER FROM EXIT SIGN AHEAD OF AREA LIGHTING CONTROLS.



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KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**ELECTRICAL PART  
PLAN - LIGHTING -  
3RD FLOOR - AREA B**

**MSHS E203-B**



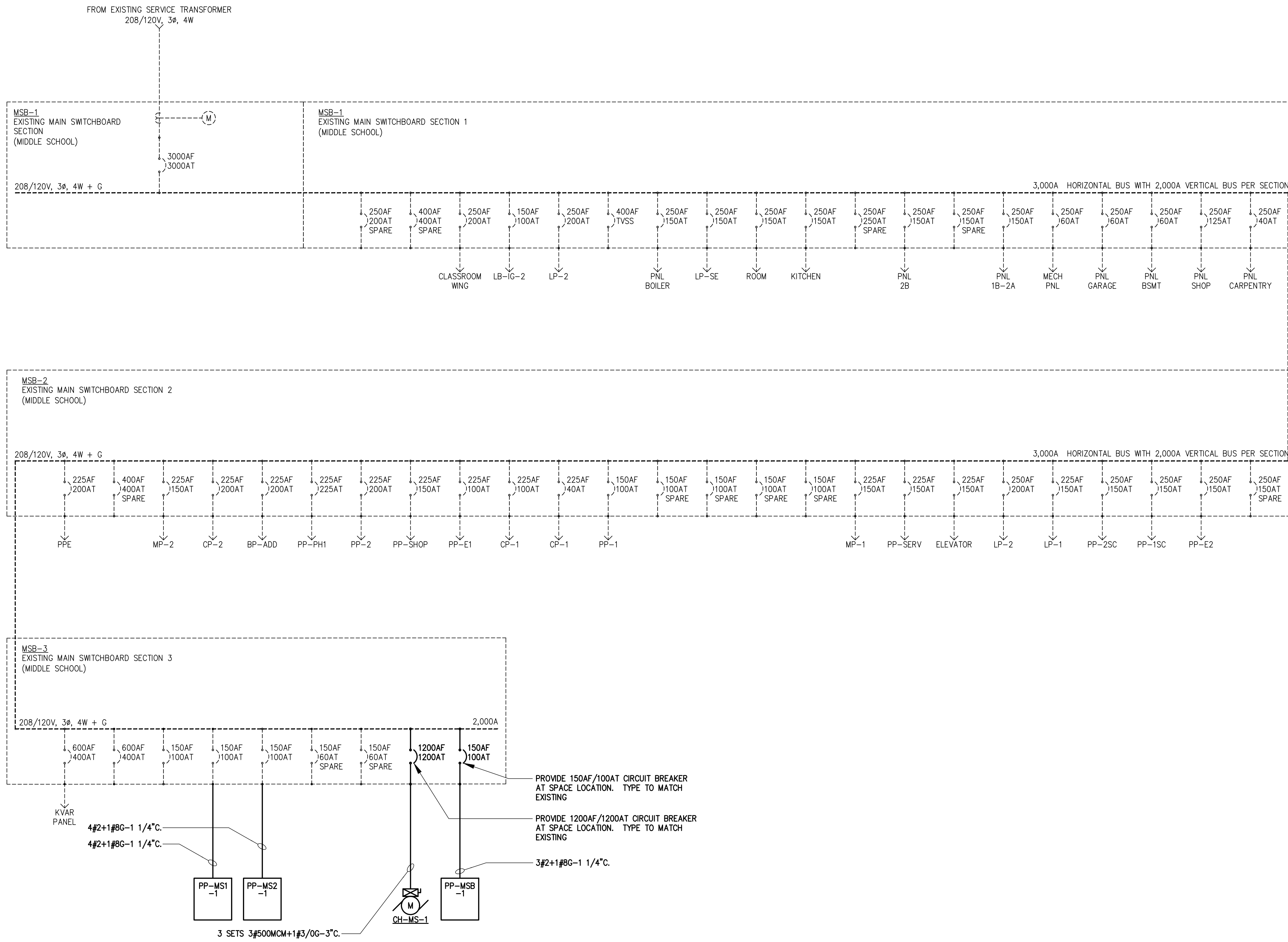


LEGEND

-----	EXISTING ELECTRICAL EQUIPMENT TO REMAIN
_____	NEW WORK

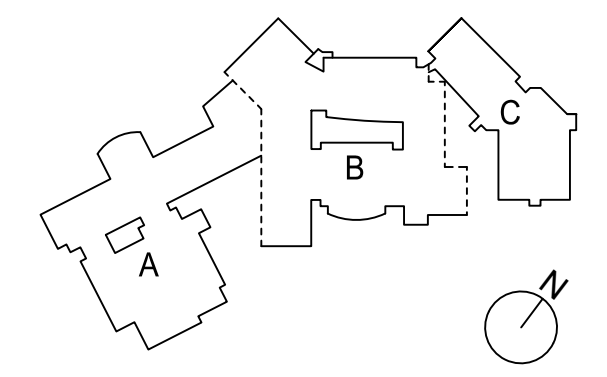
DRAWING NOTES:

- ELECTRICAL CONTRACTOR TO TRACE LOADS OF EXISTING SWITCHBOARD 'MSB-1' AND 'MSB-2' AND PROVIDE AS-BUILT DRAWING INDICATING LOAD SERVED, CIRCUIT BREAKER RATING AND WIRE SIZE AND TYPE FOR ENGINEER REVIEW. PROVIDE LAMACOD LABELS AT EACH CIRCUIT BREAKER AND PANEL INDICATING THE LOAD SERVED BASED ON AS-BUILT CONDITION SURVEY.
- FURNISH AND INSTALL CIRCUIT BREAKERS WHERE INDICATED. CIRCUIT BREAKERS SHALL MATCH EXISTING IN MANUFACTURER, TYPE, AND AIC RATING. INCLUDE ALL WORK, COMPONENTS, AND ACCESSORIES AS REQUIRED.
- EXISTING PANELS TO BE REPLACED OR USED FOR BRANCH CIRCUITS INDICATED WITHIN PANEL SCHEDULE DRAWING SHEETS HAVE BEEN OMITTED FROM POWER ONE-LINE DIAGRAM. CONTRACTOR TO PROVIDE UPDATED ONE-LINE DIAGRAM INDICATING THESE PANELS IN RELATION TO THE ONE-LINE DIAGRAM WITH THE UPDATED NOMENCLATURE USED ON PLAN AND SCHEDULES.




BID SET DATE 12/18/2023  
ISSUE DATE

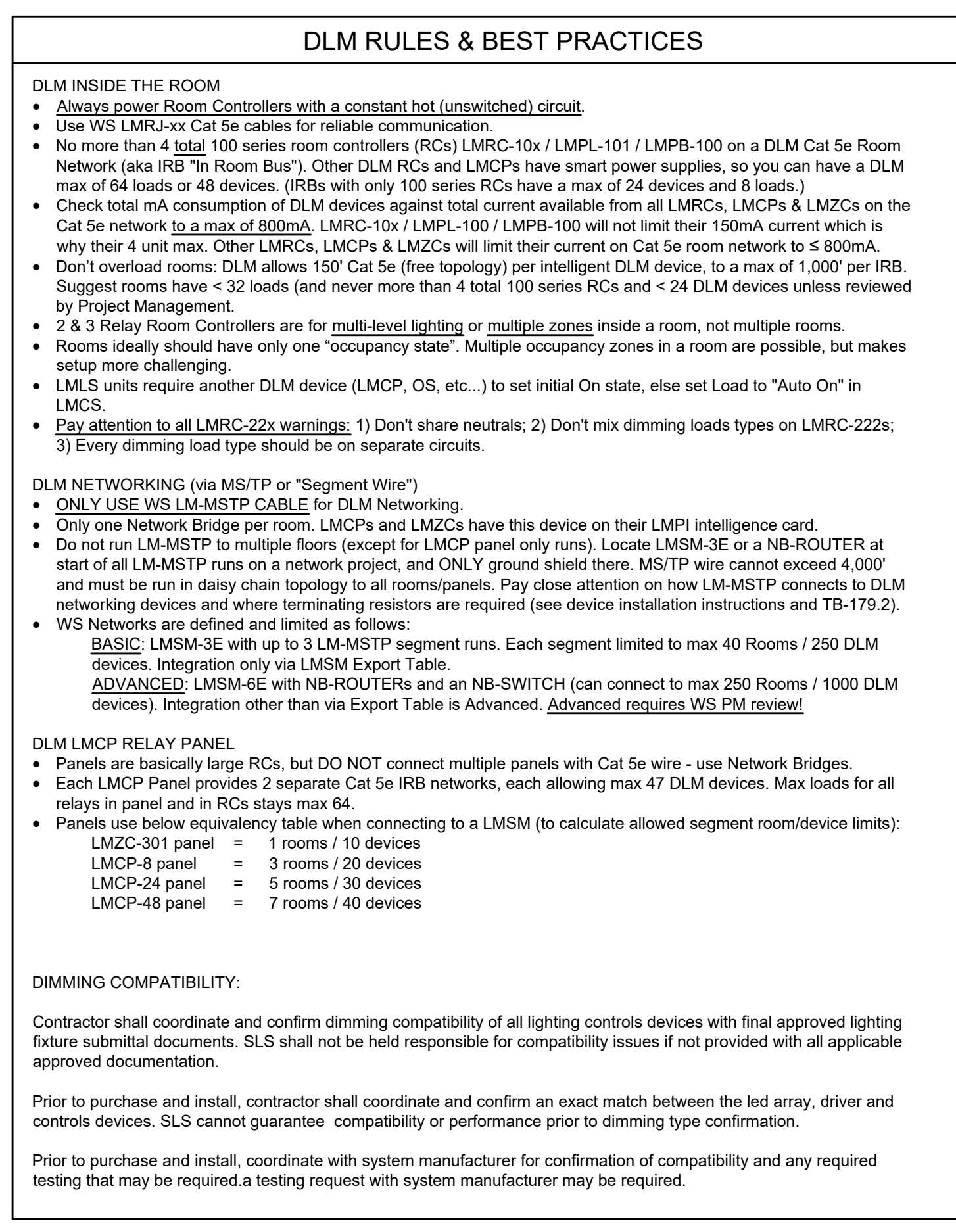
KEY PLAN



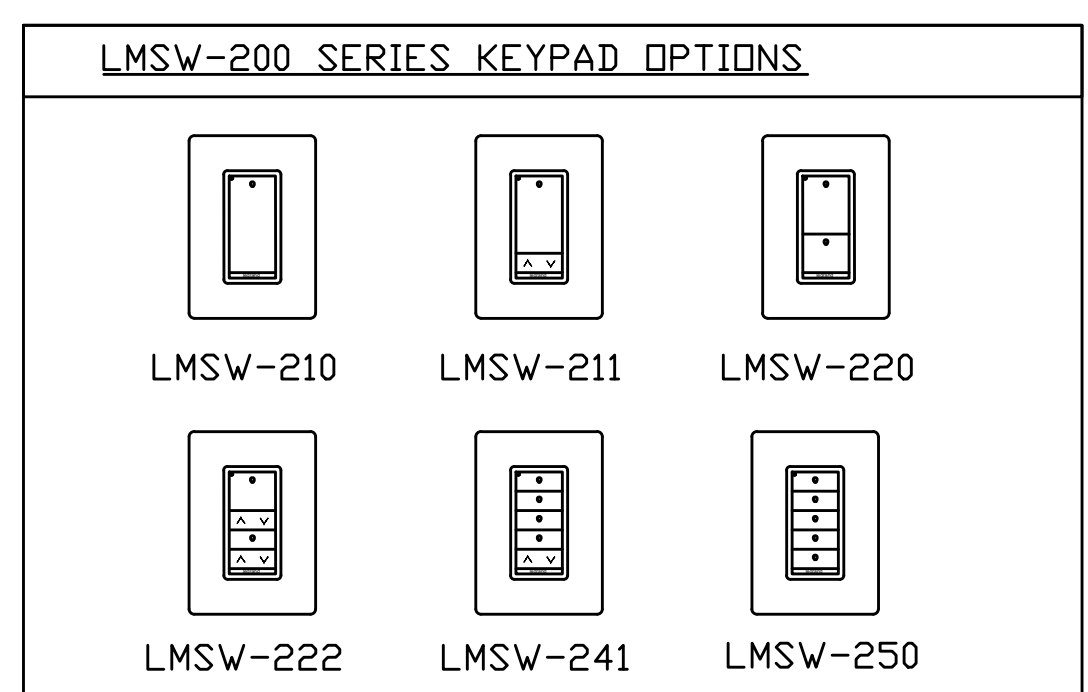
PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

ELECTRICAL ONE-LINE DIAGRAM (MIDDLE SCHOOL)

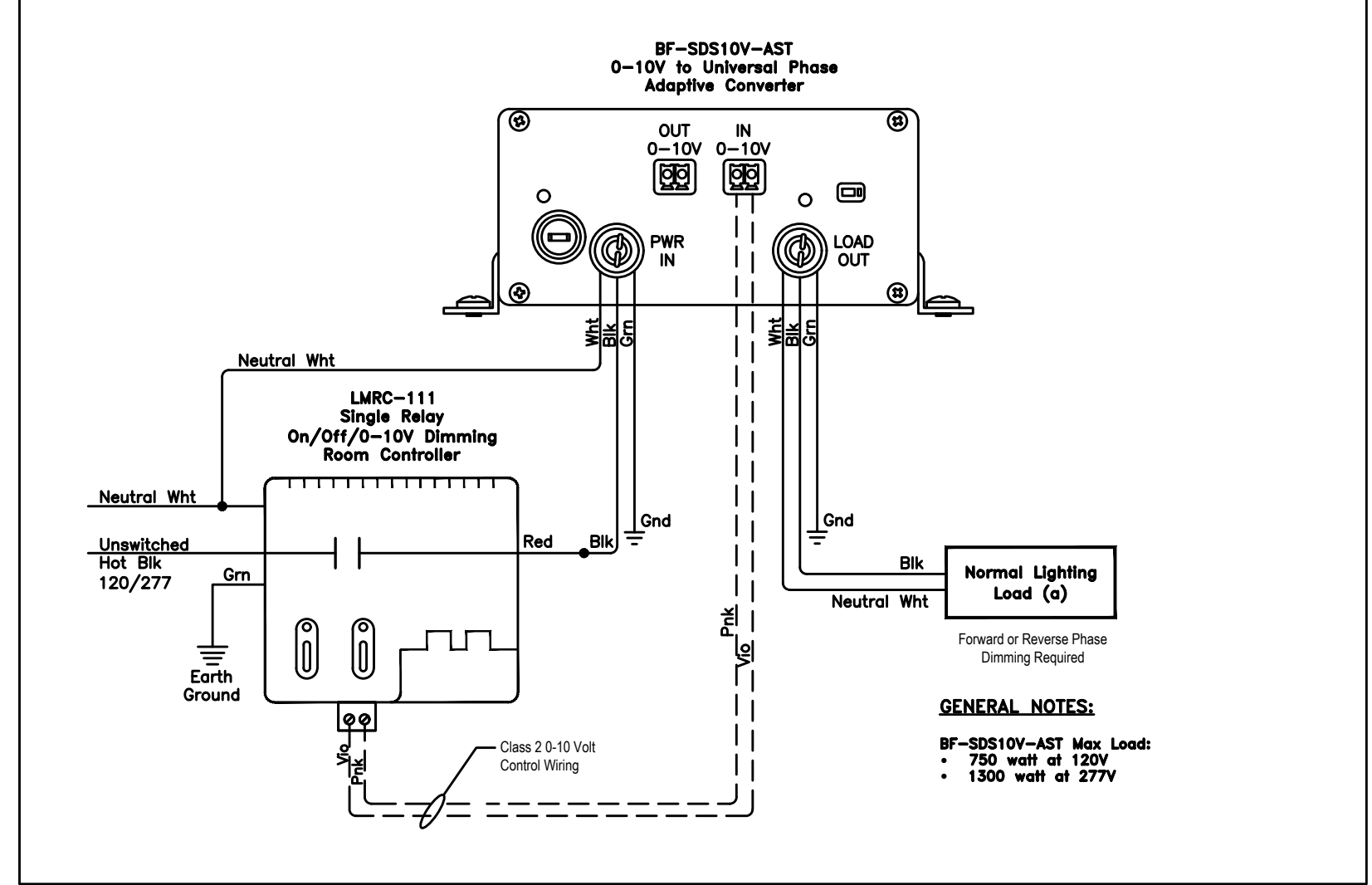
MSHS E502



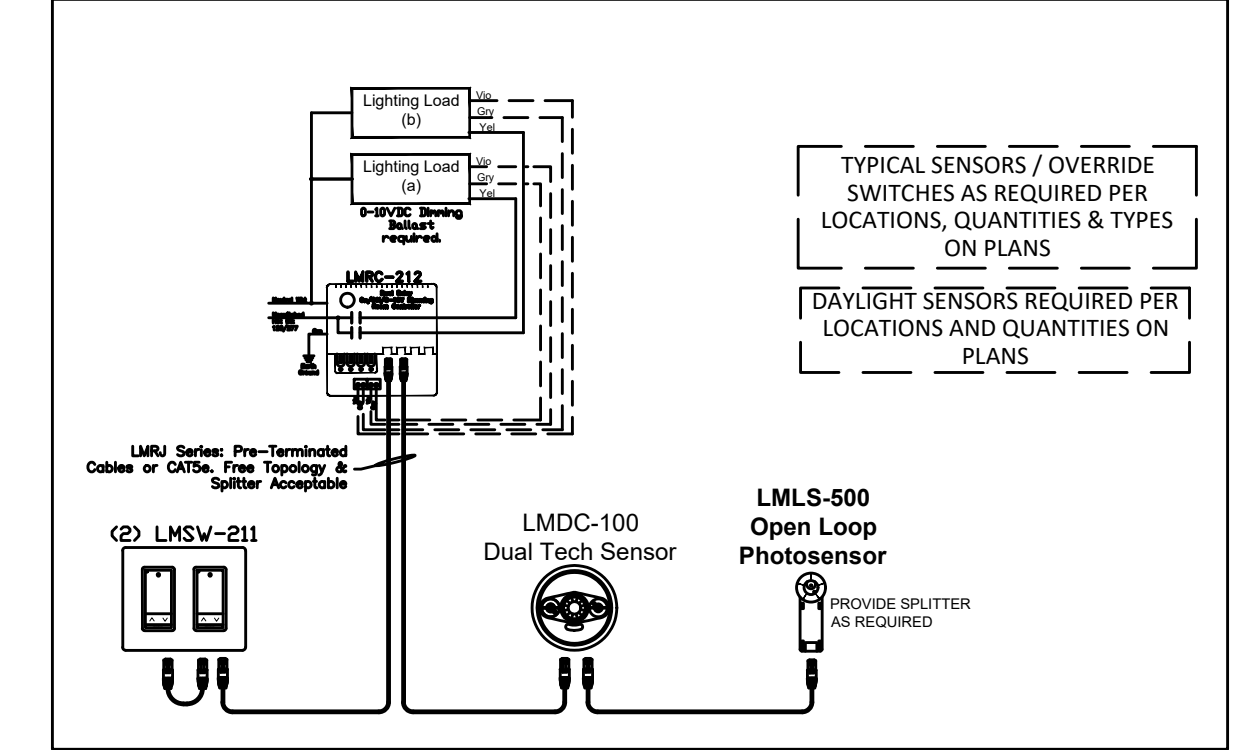
CONTRACTORS TO CONTACT ELECTRICAL DISTRIBUTORS FOR LIGHTING CONTROL SYSTEM QUOTATION / PRICING. ALL OTHER LIGHTING CONTROL SYSTEM INQUIRIES TO BE DIRECTED TOWARD PATRICK CLARKE (PCCLARKE@SLSLTX.COM) AT SLS CONTROLS.



AS REQUIRED FOR FORWARD OR REVERSE PHASE DIMMING LOADS:

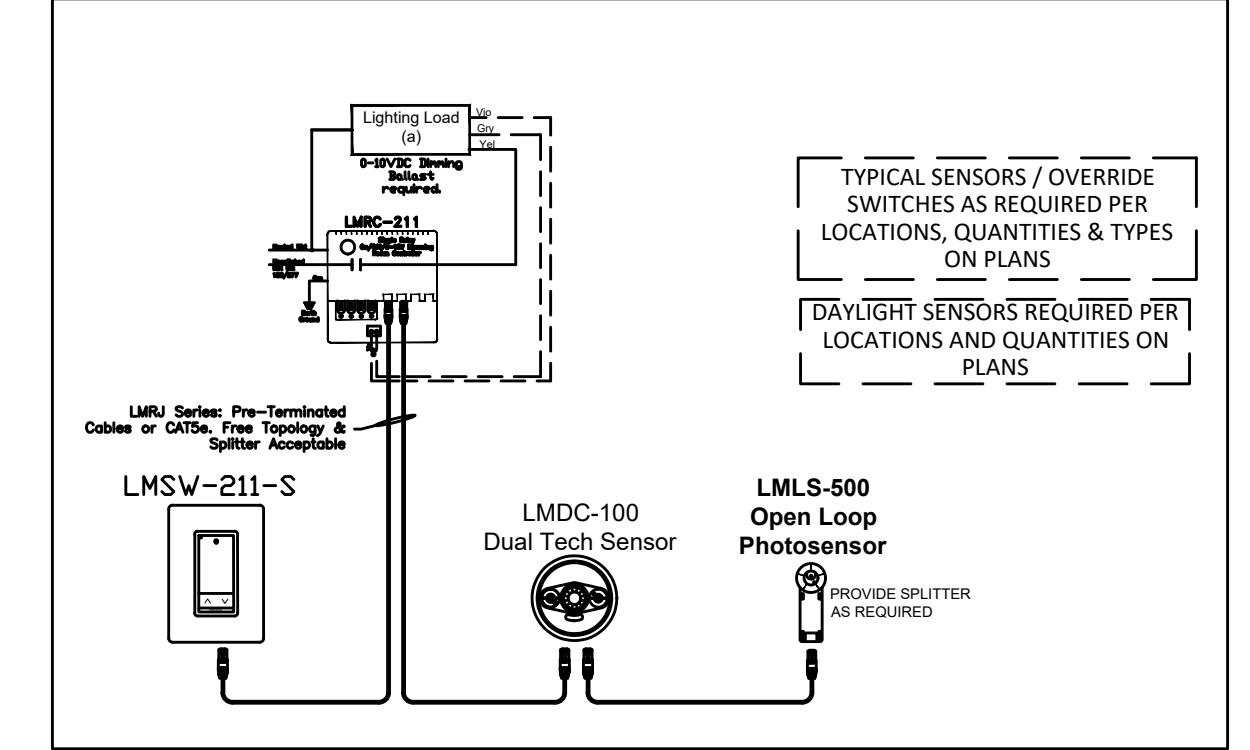


TYPICAL (2) ZONE STANDALONE SPACE (0-10V DIMMING) W/ DAYLIGHT SENSING



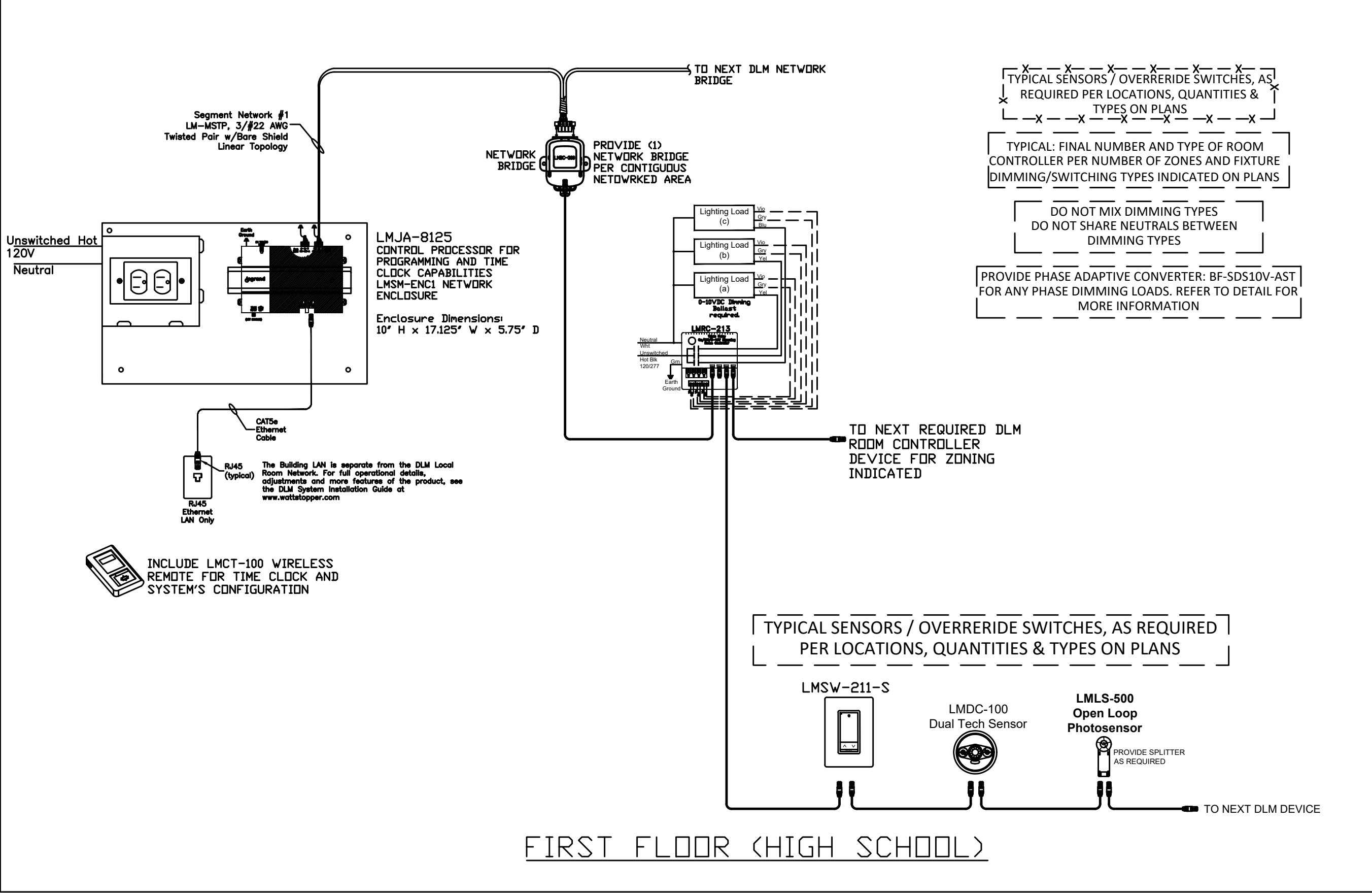
TYPICAL FOR CLASSROOMS, ETC... AS INDICATED ON PLANS

TYPICAL (1) ZONE STANDALONE SPACE (0-10V DIMMING) W/ DAYLIGHT SENSING



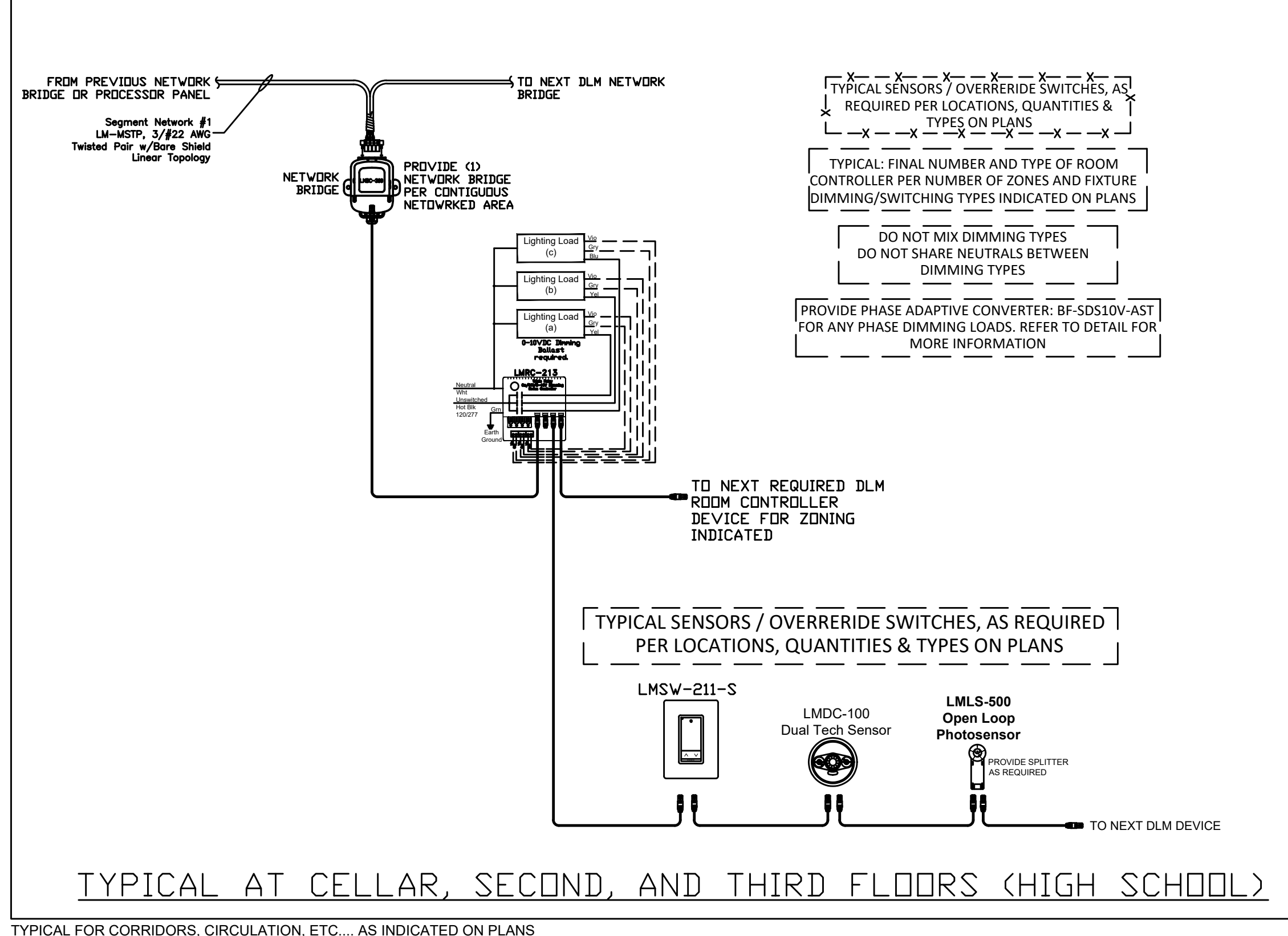
TYPICAL FOR BAND ROOM, CHORUS ROOM, PRINCIPAL OFFICE, ASST. PRINCIPAL OFFICE, OFFICES, CHANGING ROOMS, BATHROOMS, ETC... AS INDICATED ON PLANS

TYPICAL NETWORKED MULTI-ZONE DISTRIBUTED CONTROL SOLUTION  
LMJA-8125 CONTROL PROCESSOR WITH TIME-CLOCK CAPABILITIES



FIRST FLOOR (HIGH SCHOOL)

TYPICAL NETWORKED MULTI-ZONE DISTRIBUTED CONTROL SOLUTION  
LMJA-8125 CONTROL PROCESSOR WITH TIME-CLOCK CAPABILITIES

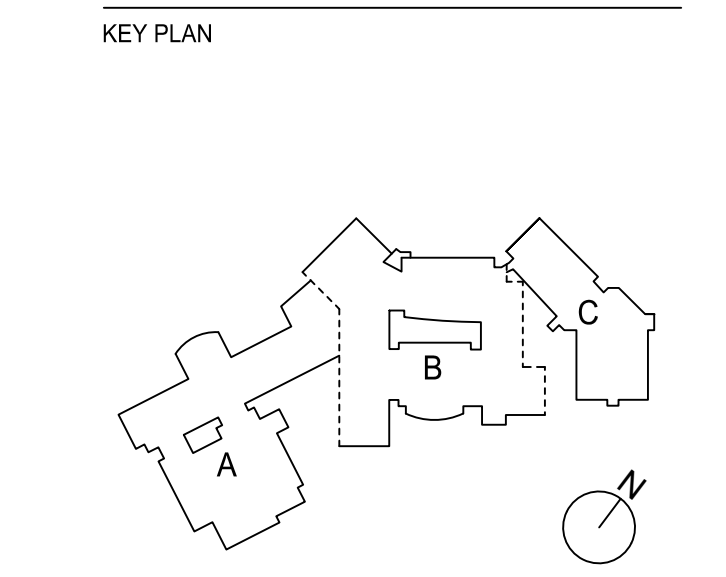


TYPICAL AT CELLAR, SECOND, AND THIRD FLOORS (HIGH SCHOOL)

PROPOSED LOCATION: ELEC CLOSETS. COORDINATE FINAL LOCATION IN-FIELD AND WITH ARCHITECT TYPICAL FOR CORRIDORS, VESTIBULES, LOBBY, ETC... AS INDICATED ON PLANS

TYPICAL FOR CORRIDORS, CIRCULATION, ETC... AS INDICATED ON PLANS

BID SET	12/18/2023
ISSUE	DATE



PROJECT NO.	66-03-01-03-0-003-031
MEMASI PROJECT NO.	102-2301

ELECTRICAL LIGHTING CONTROLS (HIGH SCHOOL)

**DLM RULES & BEST PRACTICES**

**DLM INSIDE THE ROOM**

- Always power Room Controllers with a constant hot (unswitched) circuit.
- Use V5S LMPLXV Cat 5e cables for reliable communication.
- No more than 4 total 100 series room controllers (RCs) LMRC-10x / LMPL-101 / LMPB-100 on a DLM Cat 5e Room Network (aka IRB "In Room Bus"). Other DLM RCs and LMPs have smart power supplies, so you can have a DLM max of 64 loads or 40 devices. (IRBs with only 100 series RCs have a max of 24 devices and 8 loads.)
- Check total mA consumption of DLM devices against total current available from all LMRCs, LMCPs & LMZCs on the Cat 5e network to a max of 800mA. LMRC-10x / LMPL-100 / LMPB-100 will not limit their 150mA current which is why their 4 unit max. Other LMRCs, LMCPs & LMZCs will limit their current on Cat 5e room network to 800mA.
- Don't overload rooms. DLM allows 150' Cat 5e (free topology) per intelligent DLM device, to a max of 1,000' per IRB. Suggest rooms have < 32 loads (and never more than 4 total 100 series RCs and < 24 DLM devices unless reviewed by Project Management.
- 2 & 3 Relay Room Controllers are for multi-level lighting or multiple zones inside a room, not multiple rooms.
- Rooms ideally should have only one "occupancy state". Multiple occupancy zones in a room are possible, but makes setup more challenging.
- LML S units require another DLM device (LMCP, OS, etc...) to set initial On state, else set Load to "Auto On" in LMCS.
- Pay attention to all LMRC-22x warnings: 1) Don't share neutrals; 2) Don't mix dimming load types on LMRC-222s; 3) Every dimming load type should be on separate circuits.

**DLM NETWORKING (via MSTP or "Segment Wire")**

- ONLY USE V5S LM-MSTP CABLE for DLM Networking.
- Only one Network Bridge per room. LMCPs and LMZCs have this device on their LMPI intelligence card.
- Do not run LM-MSTP to multiple floors (except for LMCP panel only runs). Locate LM-MSTP or a NB-ROUTER at start of all LM-MSTP runs on a network project, and ONLY ground shield there. MSTP wire cannot exceed 4,000' and must be run in daisy chain topology to all room panels. Pay close attention on how LM-MSTP connects to DLM networking devices and where terminating resistors are required (see device installation instructions and TB-179.2).
- WS Networks are defined and limited as follows:
  - BASIC:** LM-MSTP with up to 3 LM-MSTP segment runs. Each segment limited to max 40 Rooms / 250 DLM devices. Integration only via LMSM Export Table.
  - ADVANCED:** LMSM-SE with NB-ROUTERs and an NB-SWITCH (can connect to max 250 Rooms / 1000 DLM devices). Integration other than via Export Table is Advanced. Advanced requires V5S PM review!

**DLM LMCP RELAY PANEL**

- Panels are basically large RCs, but DO NOT connect multiple panels with Cat 5e wire - use Network Bridges.
- Each LMCP Panel provides 2 separate Cat 5e IRB networks, each allowing max 47 DLM devices. Max loads for all relays in panel and in RCs stays max 64.
- Panels use below equivalency table when connecting to a LMSM (to calculate allowed segment room/device limits):
  - LMZC-201 panel = 1 rooms / 10 devices
  - LMCP-8 panel = 3 rooms / 20 devices
  - LMCP-24 panel = 5 rooms / 30 devices
  - LMCP-48 panel = 7 rooms / 40 devices

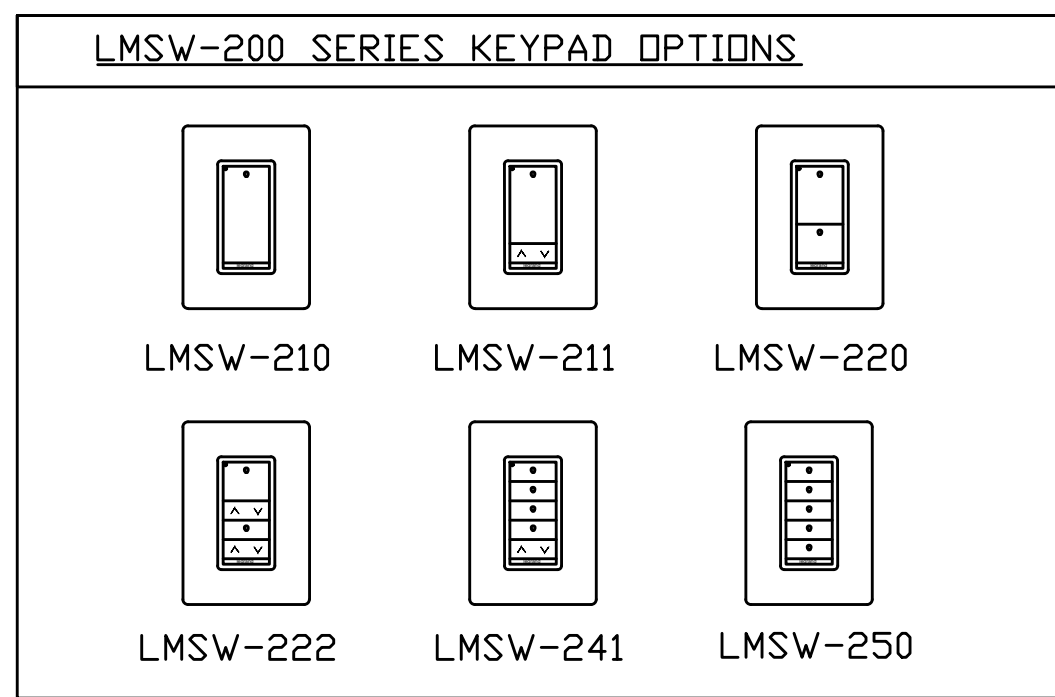
**DIMMING COMPATIBILITY:**

Contractor shall coordinate and confirm dimming compatibility of all lighting controls devices with final approved lighting fixture submittal documents. SLS shall not be held responsible for compatibility issues if not provided with all applicable approved documentation.

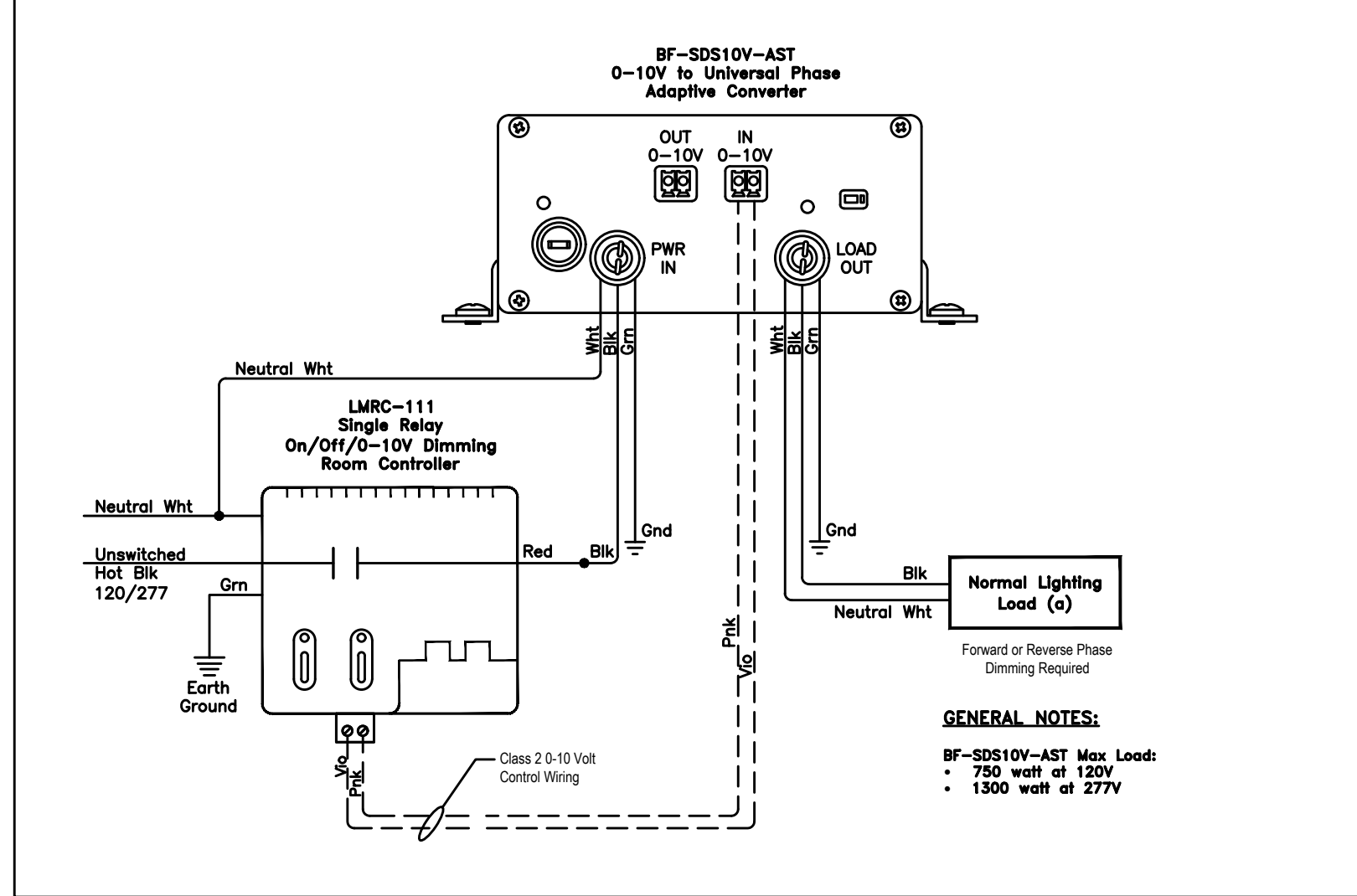
Prior to purchase and install, contractor shall coordinate and confirm an exact match between the led array, driver and controls devices. SLS cannot guarantee compatibility or performance prior to dimming type confirmation.

Prior to purchase and install, coordinate with system manufacturer for confirmation of compatibility and any required testing that may be required a testing request with system manufacturer may be required.

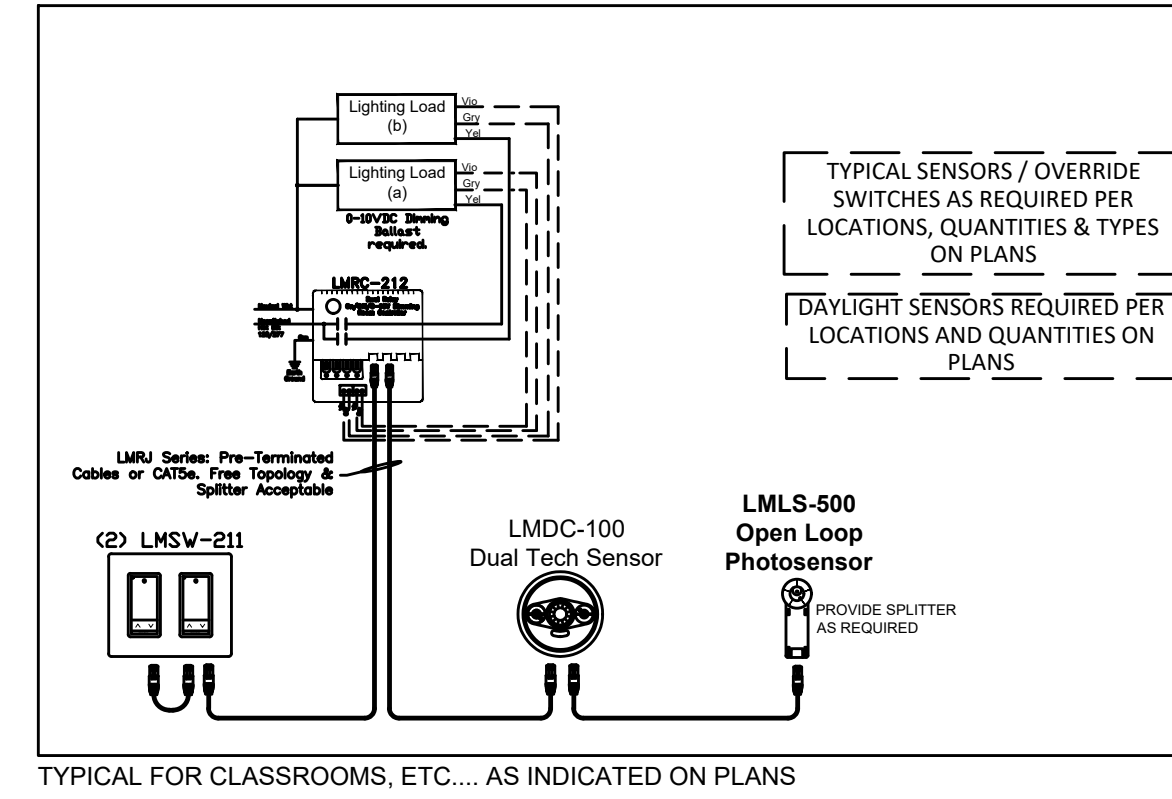
CONTRACTORS TO CONTACT ELECTRICAL DISTRIBUTORS FOR LIGHTING CONTROL SYSTEM QUOTATION / PRICING. ALL OTHER LIGHTING CONTROL SYSTEM INQUIRIES TO BE DIRECTED TOWARD PATRICK CLARKE (PCLARKE@SLSLTD.COM) AT SLS DIRECTED.



**AS REQUIRED FOR FORWARD OR REVERSE PHASE DIMMING LOADS:**

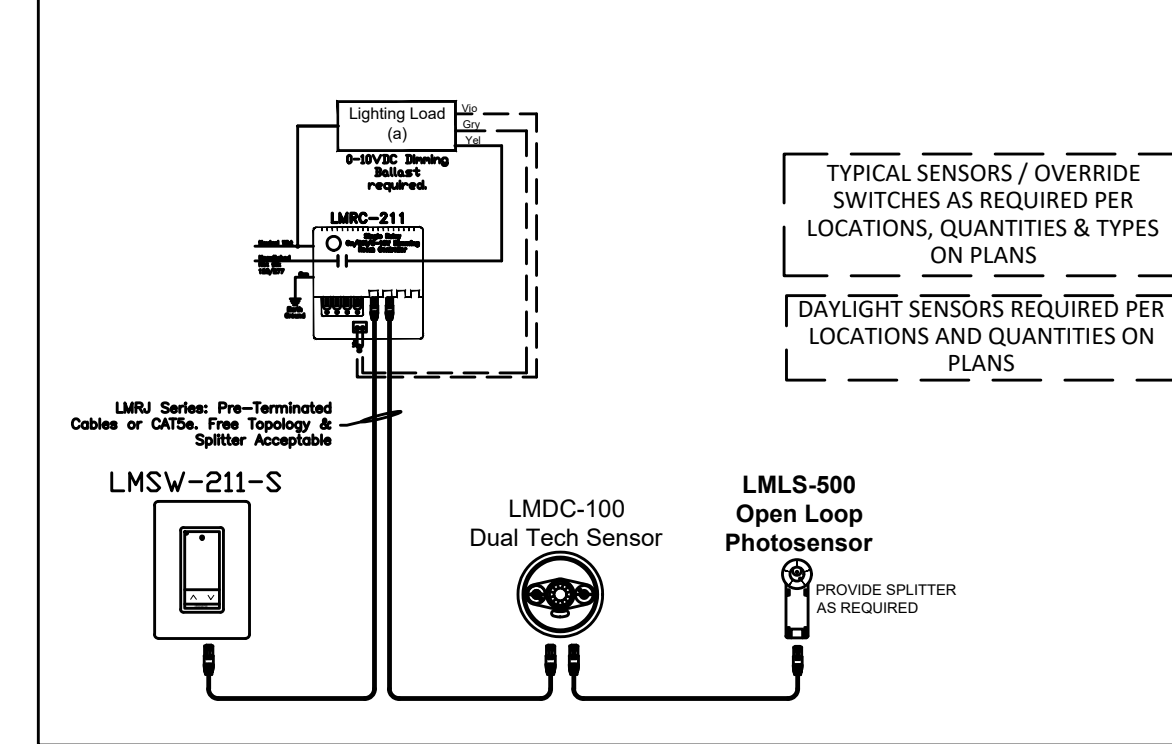


TYPICAL (2) ZONE STANDALONE SPACE (0-10V DIMMING) W/ DAYLIGHT SENSING



TYPICAL FOR CLASSROOMS, ETC... AS INDICATED ON PLANS

TYPICAL (1) ZONE STANDALONE SPACE (0-10V DIMMING) W/ DAYLIGHT SENSING



TYPICAL FOR BAND ROOM, CHORUS ROOM, PRINCIPAL OFFICE, ASST. PRINCIPAL OFFICE, OFFICES, CHANGING ROOMS, BATHROOMS, ETC... AS INDICATED ON PLANS

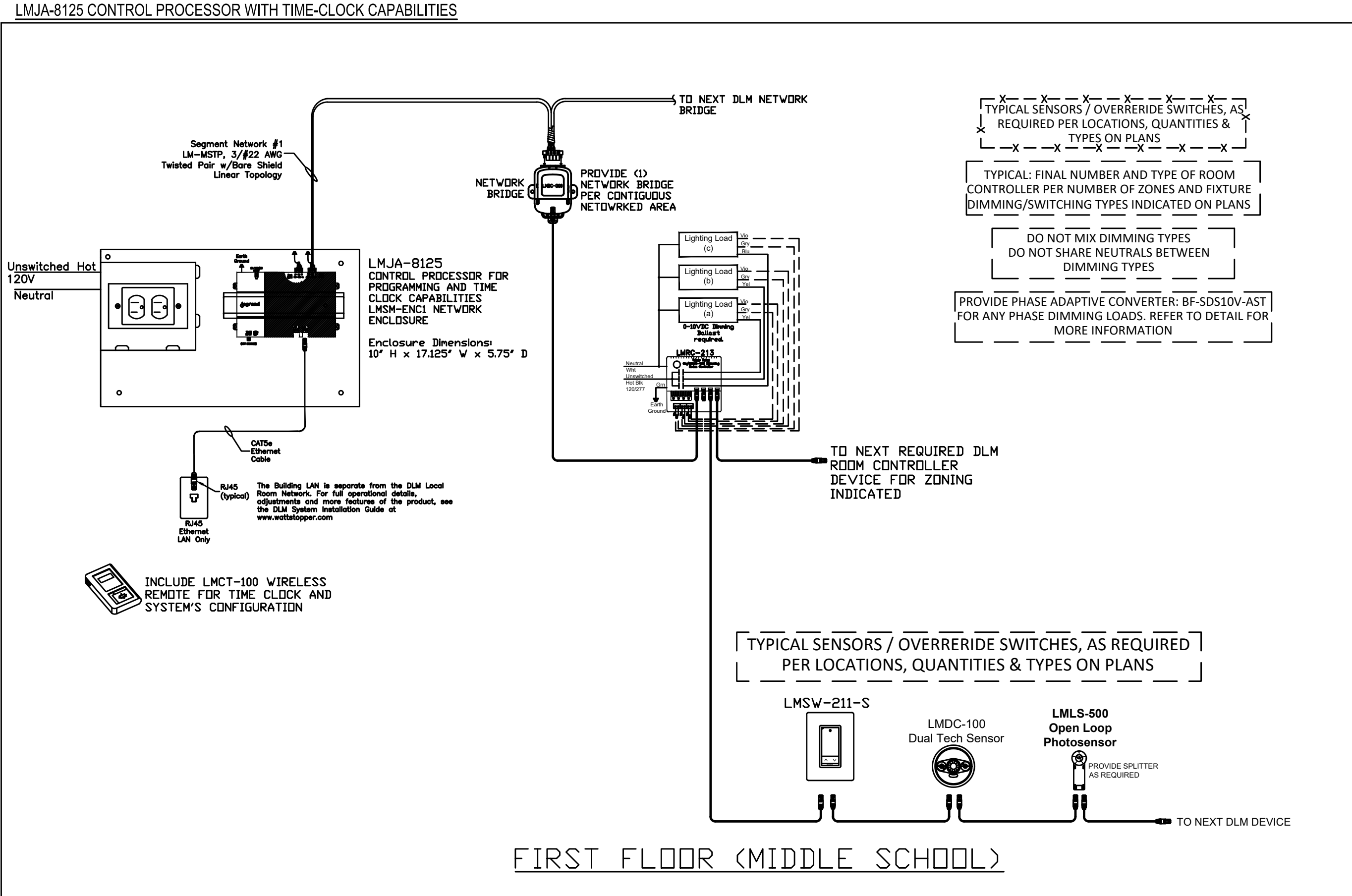
ARCHITECT  
**MEMASI**  
2 LYON PLACE  
WHITE PLAINS, NY 10601  
914.915.9519  
MEMASIDESIGN.COM

STRUCTURAL CONSULTANT  
**REILLY TARANTINO ENGINEERING**  
100 PARK BLVD, SUITE 209  
MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
**STANTEC**  
30 OAK STREET, SUITE 400  
STAMFORD, CT 06905

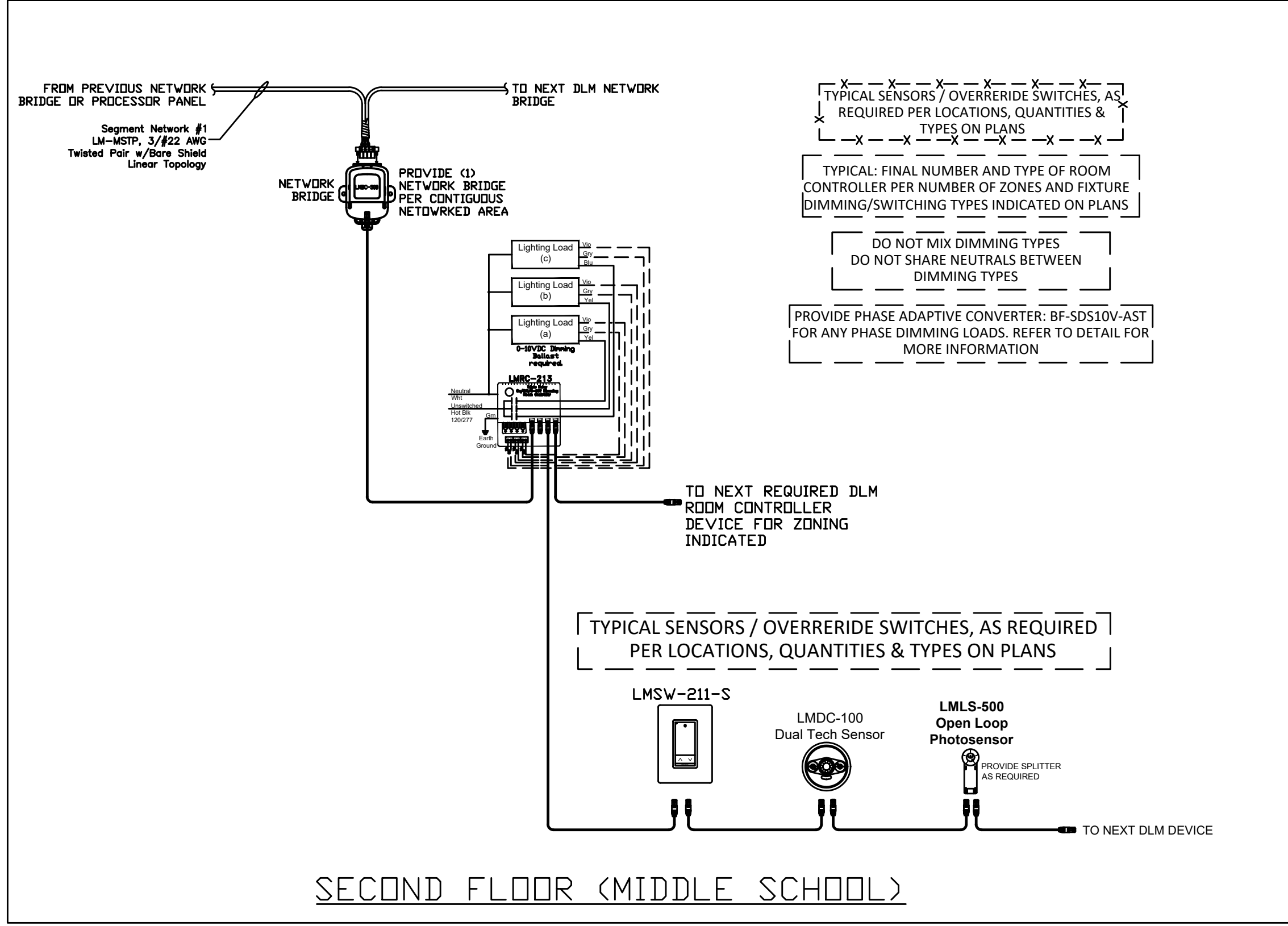
HAZARDOUS MATERIALS CONSULTANT  
**WSP**  
ONE PENN PLAZA  
250 W 54TH ST., 4TH FLOOR  
NEW YORK, NY 10014

**TYPICAL NETWORKED MULTI-ZONE DISTRIBUTED CONTROL SOLUTION  
LMJA-8125 CONTROL PROCESSOR WITH TIME-CLOCK CAPABILITIES**



PROPOSED LOCATION: ELEC CLOSETS. COORDINATE FINAL LOCATION IN-FIELD AND WITH ARCHITECT. TYPICAL FOR CORRIDORS, VESTIBULES, LOBBY, ETC... AS INDICATED ON PLANS

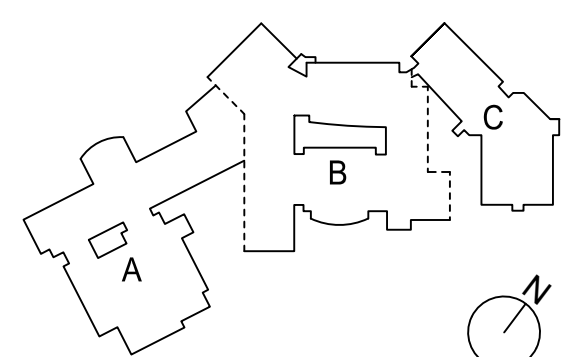
**TYPICAL NETWORKED MULTI-ZONE DISTRIBUTED CONTROL SOLUTION  
LMJA-8125 CONTROL PROCESSOR WITH TIME-CLOCK CAPABILITIES**



TYPICAL FOR CORRIDORS, CIRCULATION, ETC... AS INDICATED ON PLANS

BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



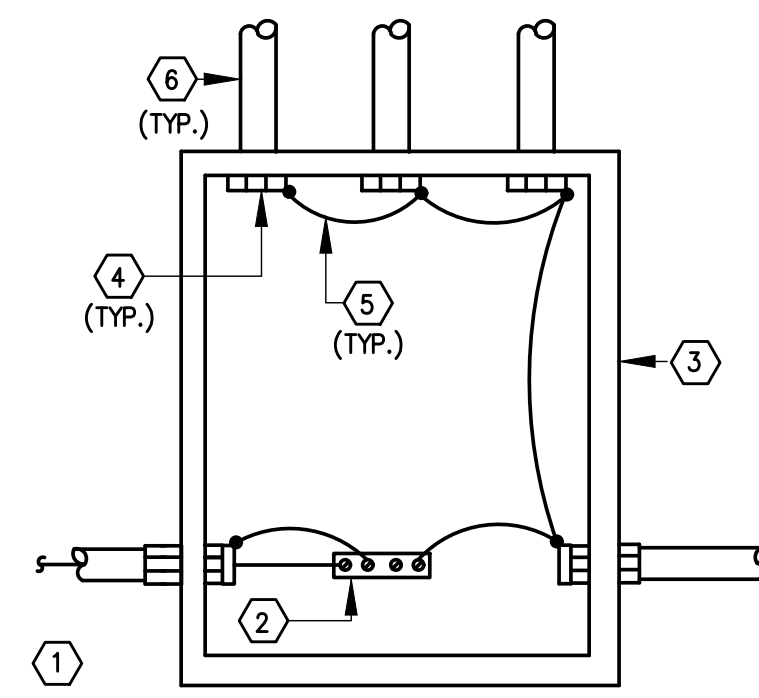
PROJECT NO. 66-03-01-03-0-003-031  
MEMAS PROJECT NO. 102-2301

**ELECTRICAL  
LIGHTING  
CONTROLS (MIDDLE  
SCHOOL)**





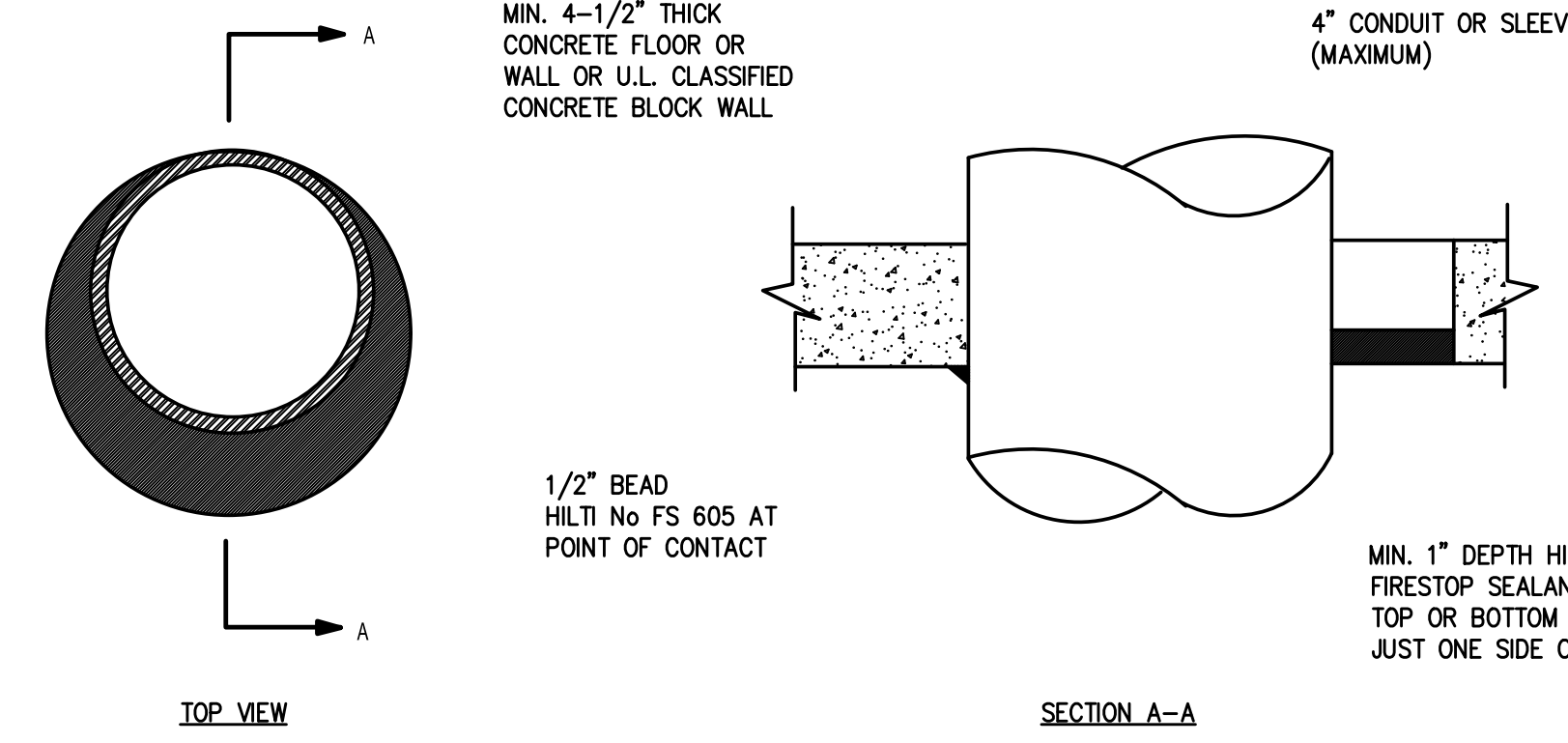




RACEWAY EQUIPMENT GROUNDING SYSTEM  
N.T.S.

NOTES:

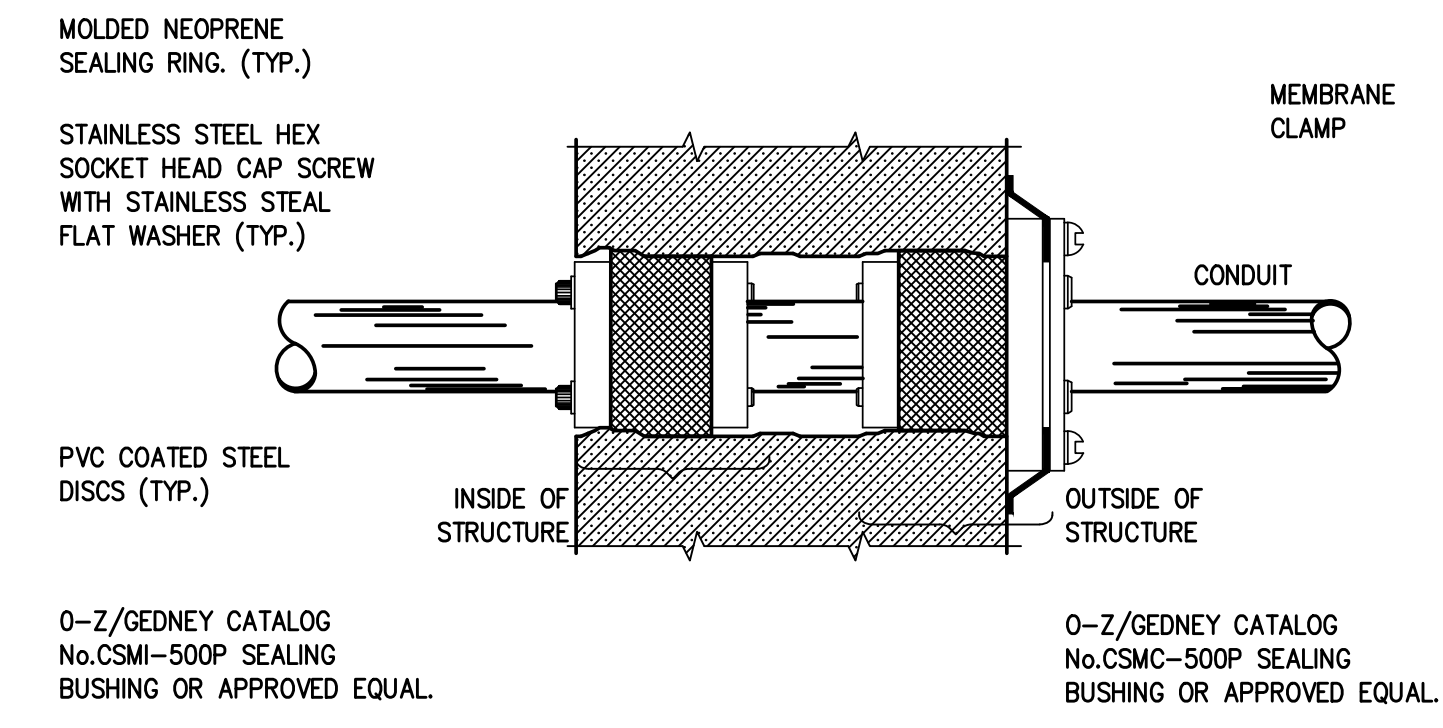
- 1 SYSTEM EQUIPMENT GROUNDING CONDUCTOR SIZED AS PER NEC TABLE 250.122
- 2 PANELBOARD EQUIPMENT GROUND BUS
- 3 SERVICE ENTRANCE EQUIPMENT SWITCHBOARD/PANELBOARD ENCLOSURE.
- 4 GROUNDING BUSHING
- 5 BONDING JUMPER INSTALLED AS PER NEC ARTICLE 250
- 6 METAL CONDUIT, TYPICAL



DETAIL OF CONDUIT THROUGH CONCRETE  
FLOOR/WALL OR BLOCK WALL  
N.T.S.

NOTES:

1. CONDUIT MAY BE CENTERED OR OFFSET IN HOLE. MAXIMUM DIAMETER OF HOLE OPENING IS 14 INCHES.
2. TEMPORARY FORMS MAY BE REQUIRED TO SUPPORT THE FIRESTOP SEALANT WHILE IT CURES.
3. FOR CONDUIT SLEEVE INSTALLATIONS PROVIDE AROUND CONDUCTORS WITHIN SLEEVE.



EXTERIOR WALL PENETRATION DETAIL  
N.T.S.

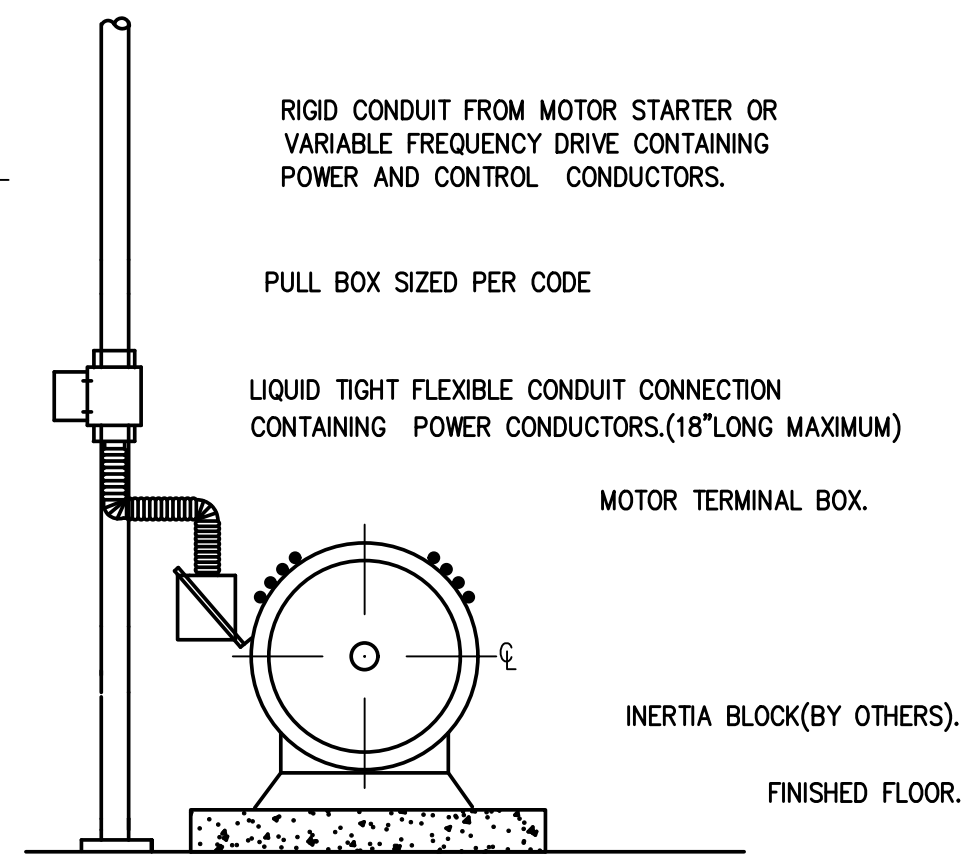
LOCK-OUT STOP BUTTON OR OTHER LOW VOLTAGE CONTROL DEVICE INDICATED AS BEING REQUIRED ADJACENT TO MOTOR TERMINAL BOX.

CHASE PIPE.

SUPPORT CONDUIT TO BE FASTENED TO PULL BOX WITH FLANGE AND BOLTS. LOCKNUTS AND BUSHINGS ARE NOT PERMITTED.

EMPTY RIGID CONDUITS(SAME SIZE AS RIGID CONDUIT FROM MOTOR STARTER) FOR PULL BOX SUPPORT.

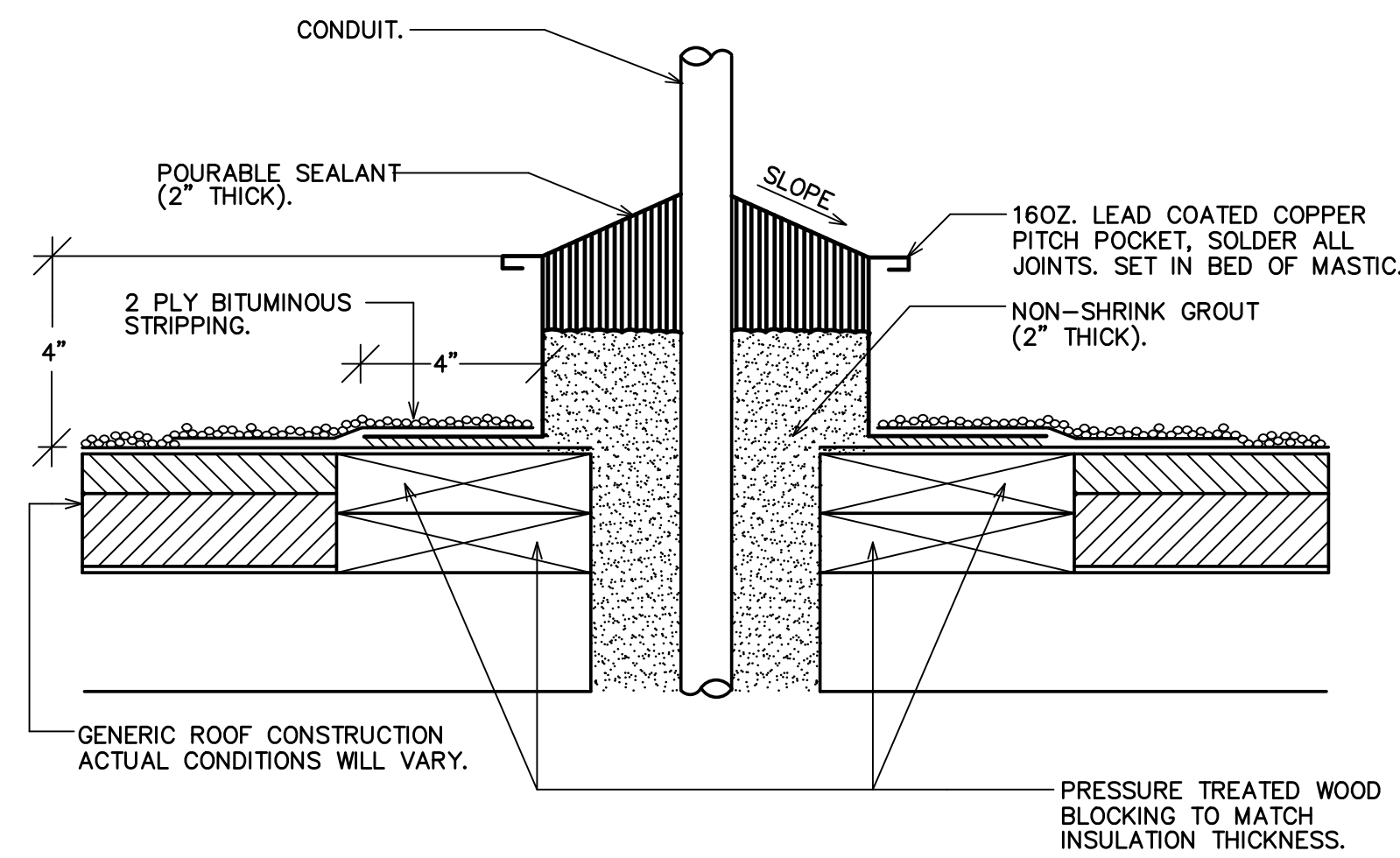
FLANGE FASTENED TO FLOOR.



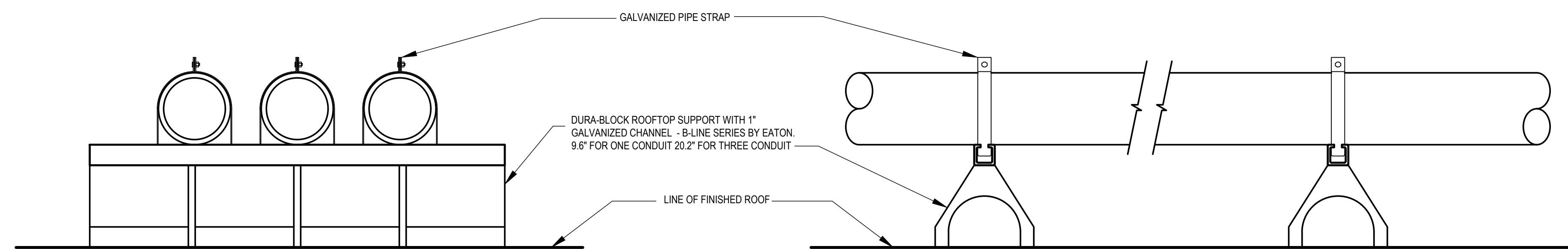
FLOOR MOUNTED MOTOR CONNECTION DETAIL  
N.T.S.

NOTES:

1. MOTOR SHALL BE MOUNTED BY OTHERS AND WIRED BY ELECTRICAL CONTRACTOR.
2. PROVIDE KINDORF MOUNTED FLOOR TO CEILING AS REQUIRED TO PROVIDE CONDUIT SUPPORTS IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE ARTICLE 344 (RMC).



ROOF PENETRATION DETAIL (PITCH POCKET)  
N.T.S.

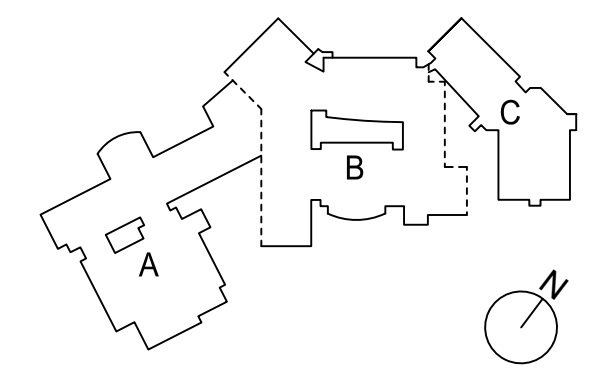


\* ALL FASTENERS SHALL BE STAINLESS STEEL

ROOF CONDUIT SUPPORT DETAIL  
SCALE: N.T.S.

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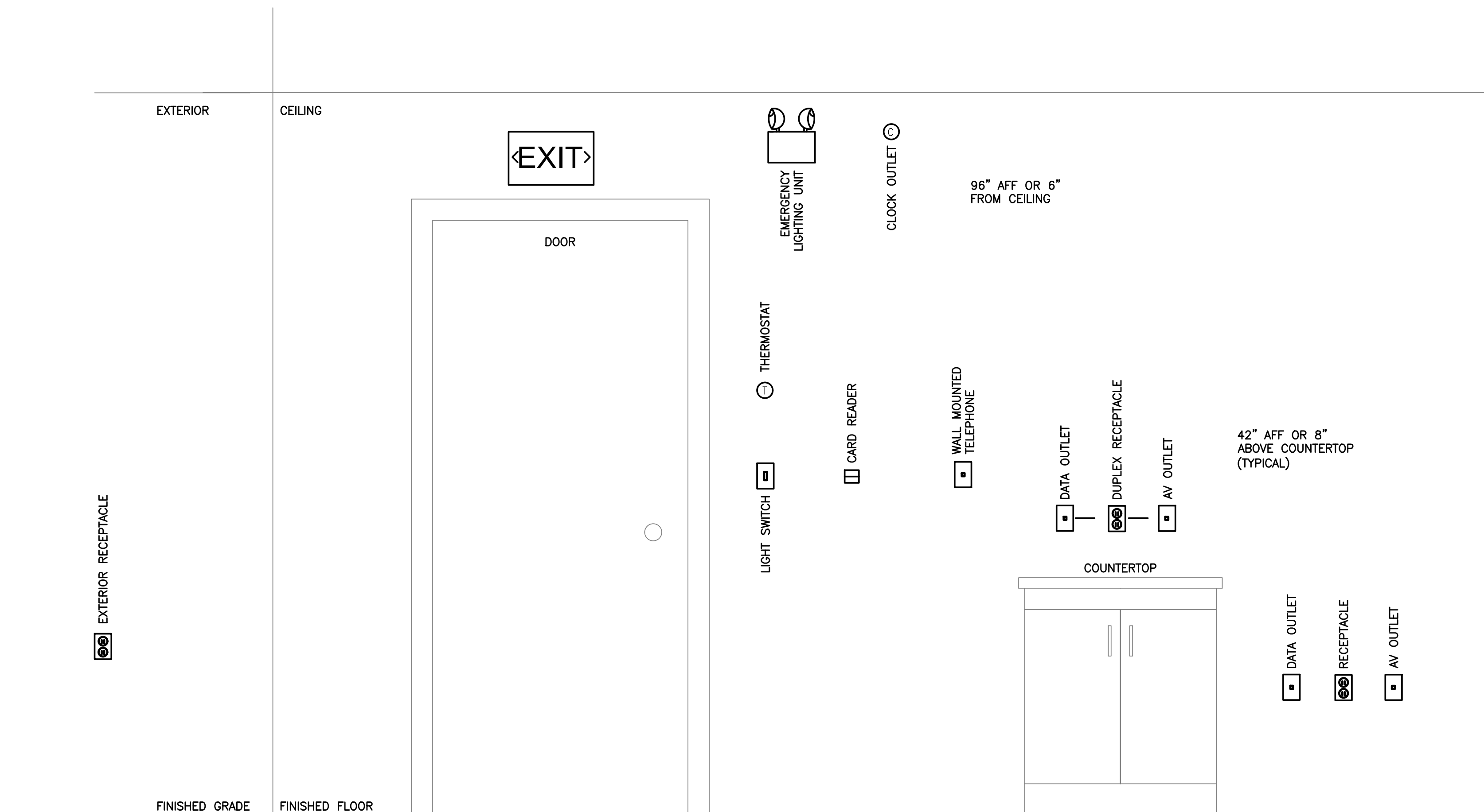
KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
MEMASH PROJECT NO. 102-2301

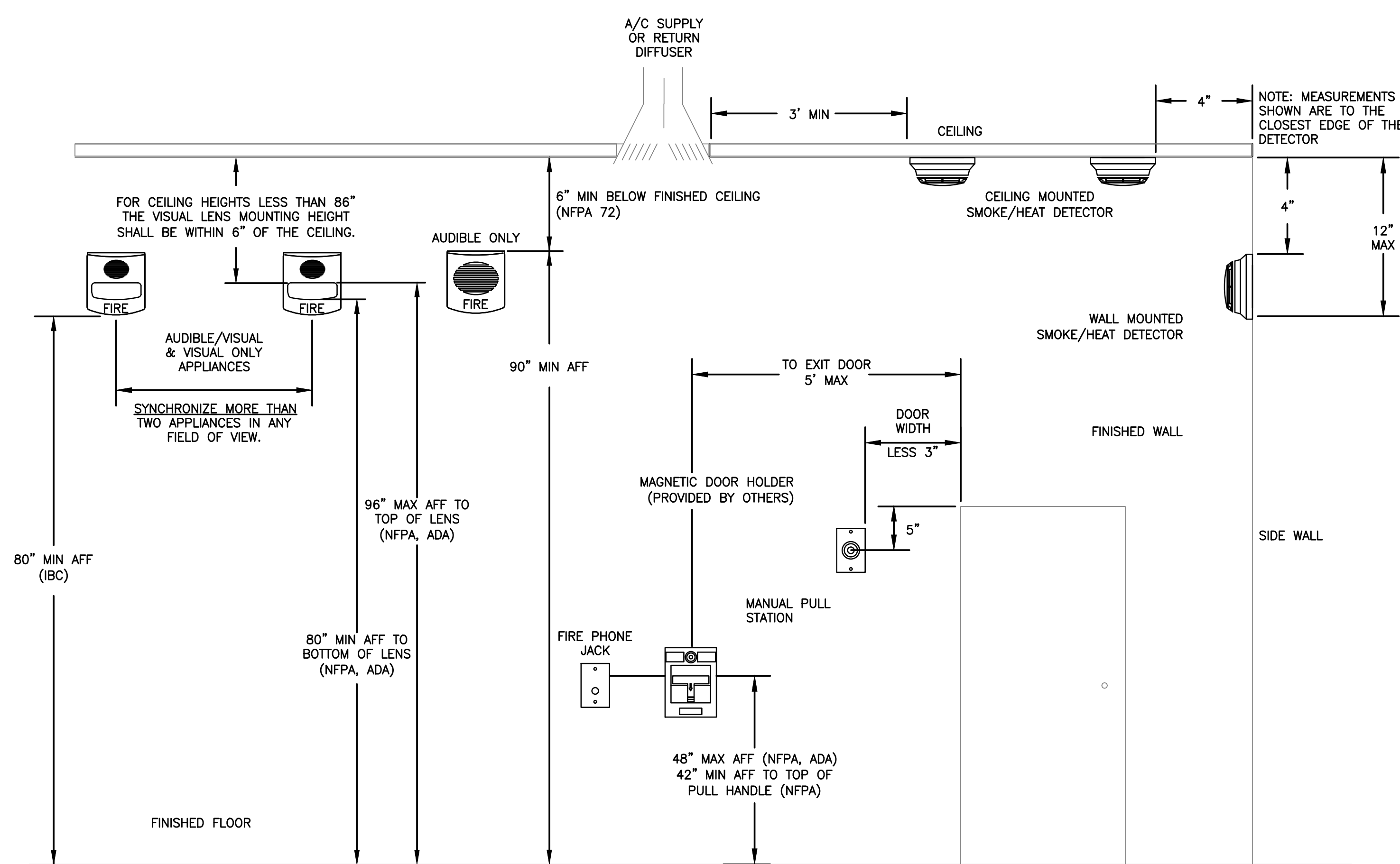
**ELECTRICAL  
DETAILS**





**NOTES:**  
1. MOUNTING HEIGHT NOTED ARE STANDARD, IF SPECIFIC MOUNT HEIGHTS ARE NOT NOTED ON THE PLANS OR IN THE SPECIFICATIONS.

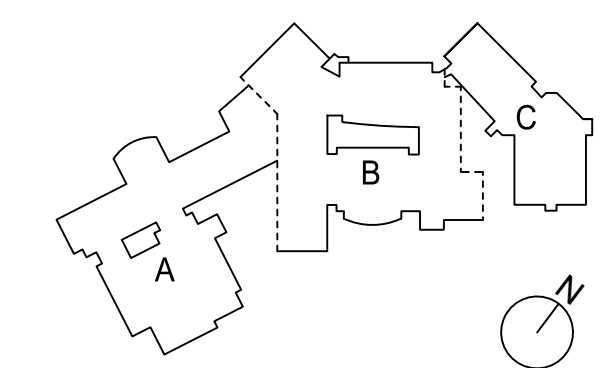
**TYPICAL DEVICE MOUNTING HEIGHT DETAIL**  
SCALE: N.T.S.



**FIRE ALARM DEVICE MOUNTING HEIGHT DETAIL (PER NFPA 72)**  
SCALE: N.T.S.

BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



PROJECT NO.	66-03-01-03-Q-003-031
MEMASI PROJECT NO.	102-2301

**ELECTRICAL  
DETAILS**

**MSHS E702**







EASTCHESTER  
UNION FREE  
SCHOOL DISTRICT  
2022 CAPITAL PROJECT  
PHASE 3  
MIDDLE SCHOOL /  
HIGH SCHOOL

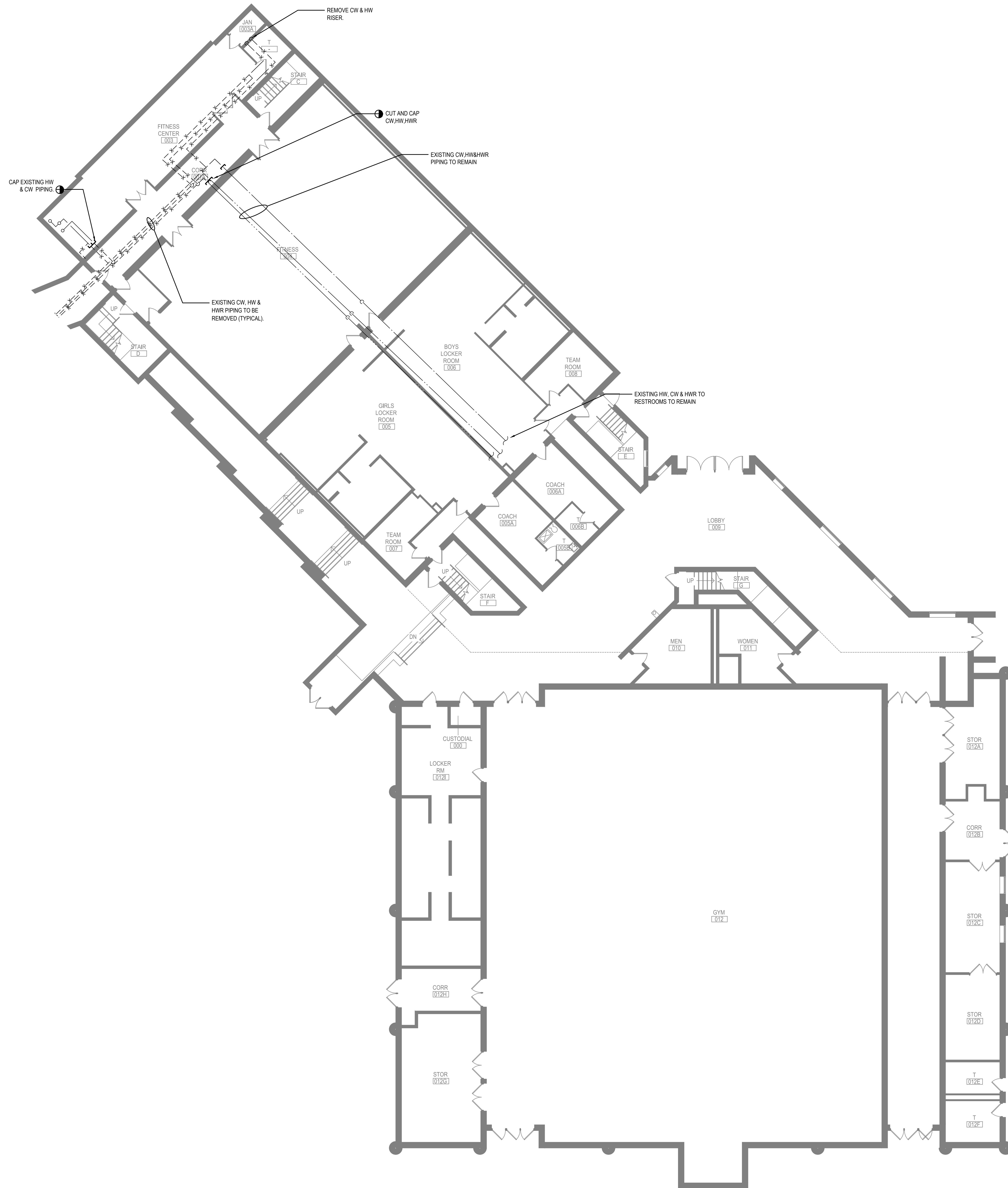
ARCHITECT  
**MEMASI**

2 LYON PLACE  
WHITE PLAINS, NY 10601  
914.915.9519  
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STRUCTURAL CONSULTANT  
REILLY TARANTINO ENGINEERING  
100 PARK BLVD, SUITE 209  
MASSAPEQUA PARK, NY 11762

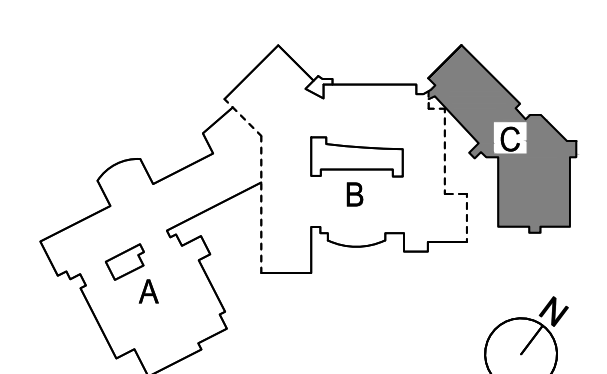
MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT  
STANTEC  
30 OAK STREET, SUITE 400  
STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT  
WSP  
ONE PENN PLAZA  
250 W 34TH ST., 4TH FLOOR  
NEW YORK, NY 10014



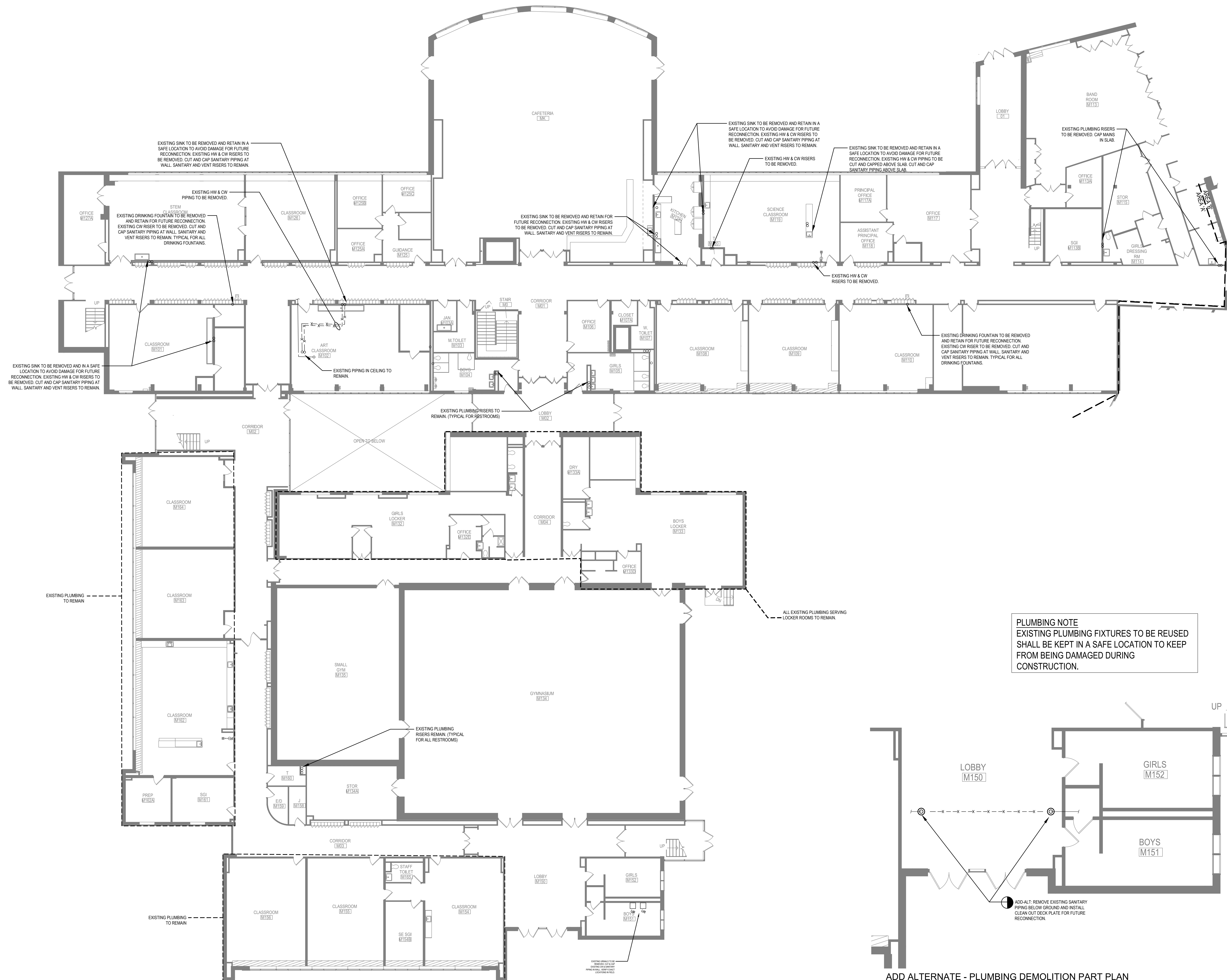
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KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031  
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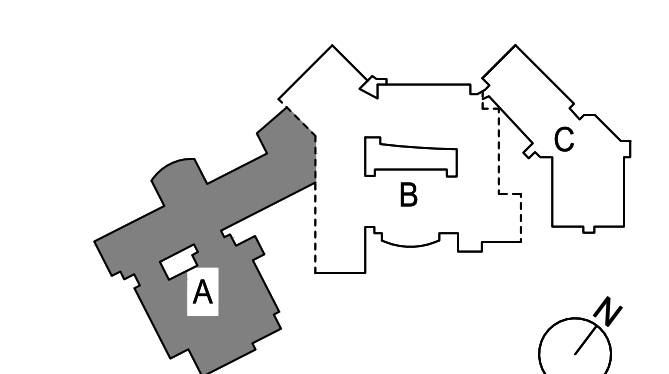
**PLUMBING  
DEMOLITION PART  
PLAN - BASEMENT -  
AREA C**



**PLUMBING NOTE**  
 EXISTING PLUMBING FIXTURES TO BE REUSED SHALL BE KEPT IN A SAFE LOCATION TO KEEP FROM BEING DAMAGED DURING CONSTRUCTION.

BID SET	12/18/2023
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KEY PLAN

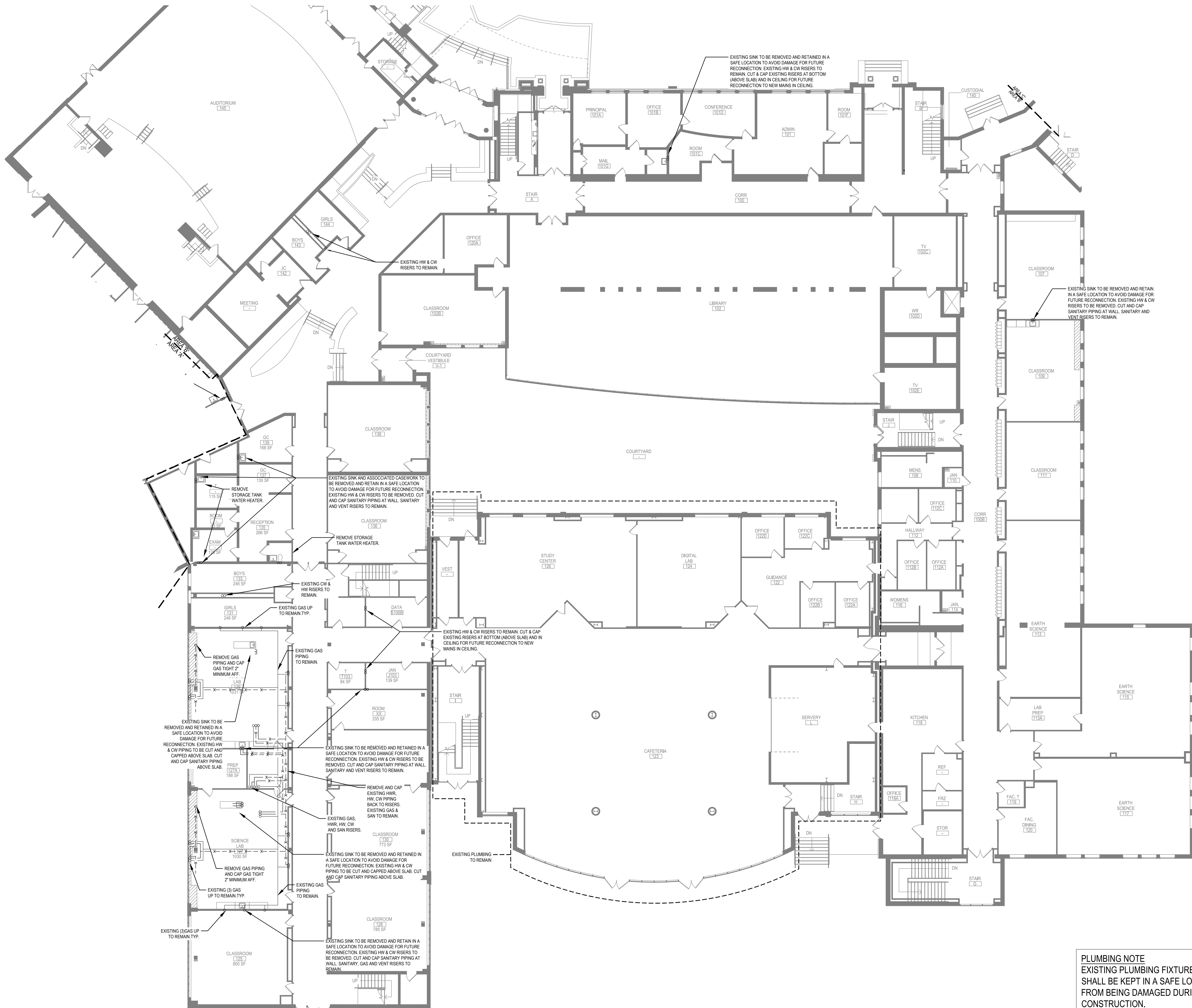


PROJECT NO.	66-03-01-03-0-003-031
MEMASI PROJECT NO.	102-2301

**PLUMBING DEMOLITION PART PLAN - FIRST FLOOR - AREA A**

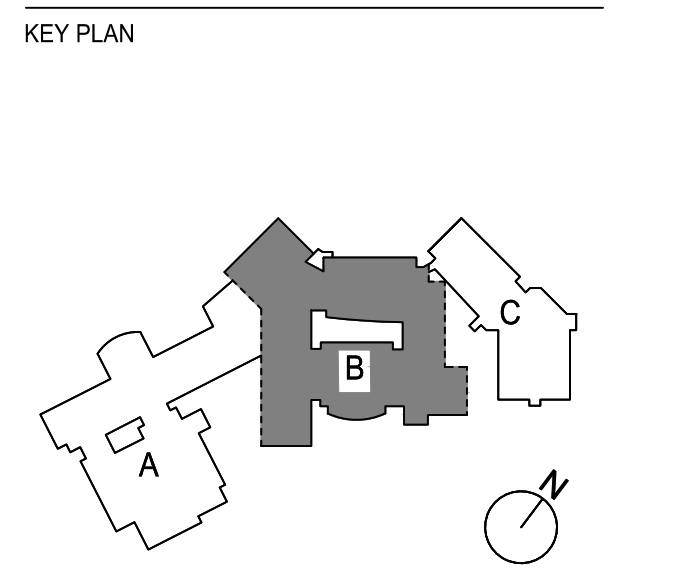
PLUMBING DEMOLITION PART PLAN - FIRST FLOOR - AREA A  
 3/32" = 1'-0"

ADD ALTERNATE - PLUMBING DEMOLITION PART PLAN  
 3/16"=1'-0"



**PLUMBING NOTE**  
EXISTING PLUMBING FIXTURES TO BE REUSED SHALL BE KEPT IN A SAFE LOCATION TO KEEP FROM BEING DAMAGED DURING CONSTRUCTION.

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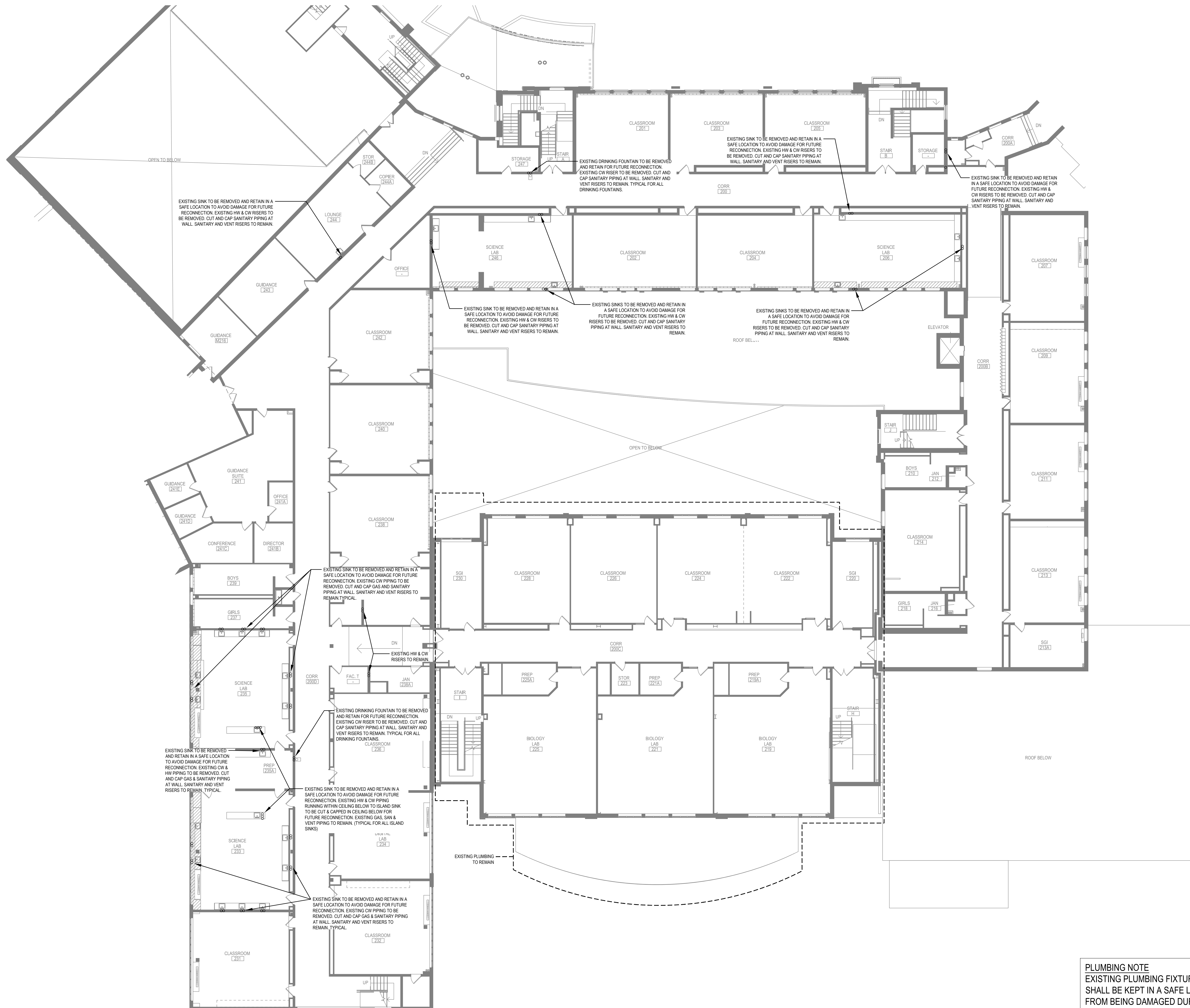
PROJECT NO.	66-03-01-03-0-003-031
MEMASI PROJECT NO.	102-2301

**PLUMBING  
DEMOLITION PART  
PLAN - FIRST FLOOR  
- AREA B**

**PLUMBING DEMOLITION PART PLAN - FIRST FLOOR - AREA B**  
3/32" = 1'-0"

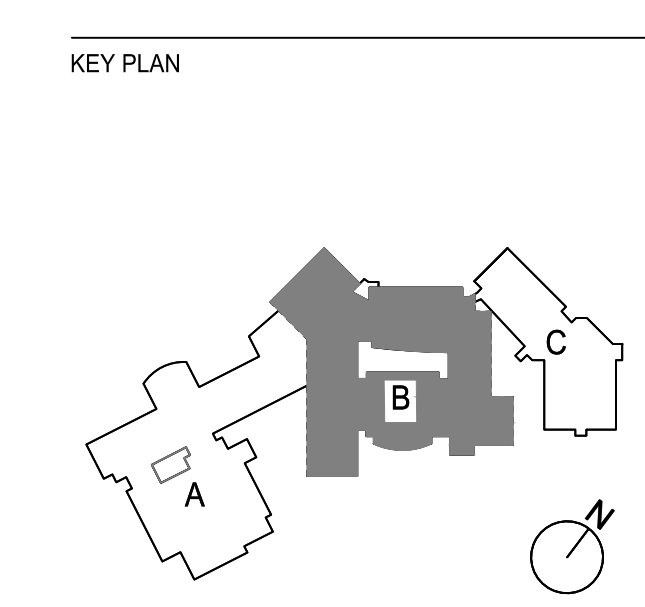






**PLUMBING NOTE**  
EXISTING PLUMBING FIXTURES TO BE REUSED SHALL BE KEPT IN A SAFE LOCATION TO KEEP FROM BEING DAMAGED DURING CONSTRUCTION.

BID SET	12/18/2023
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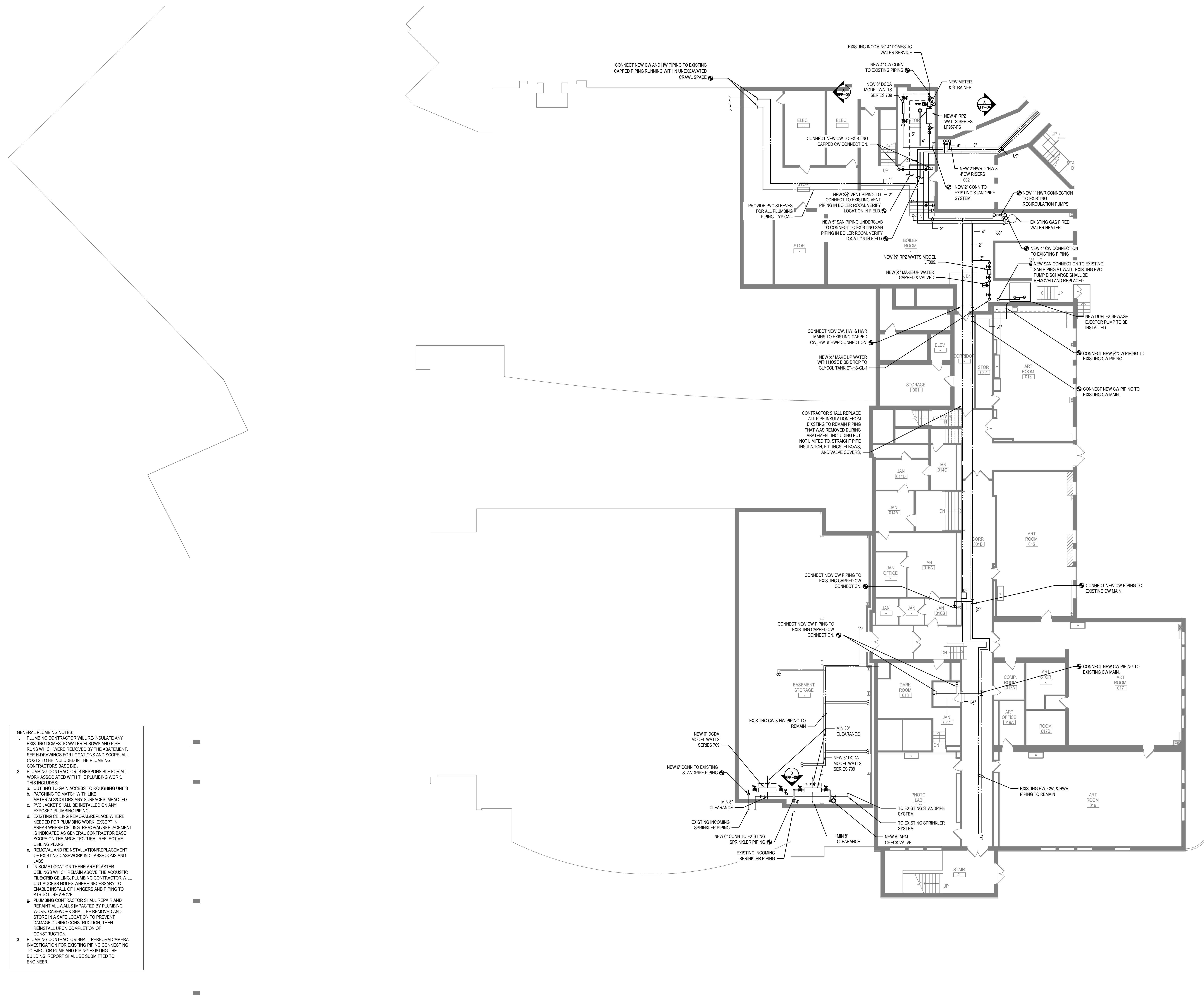


PROJECT NO. 66-03-01-03-003-031  
MEMASI PROJECT NO. 102-2301

**PLUMBING  
DEMOLITION PART  
PLAN - SECOND  
FLOOR - AREA B**

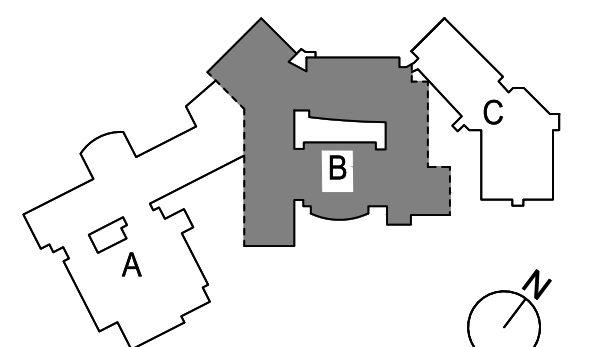






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KEY PLAN



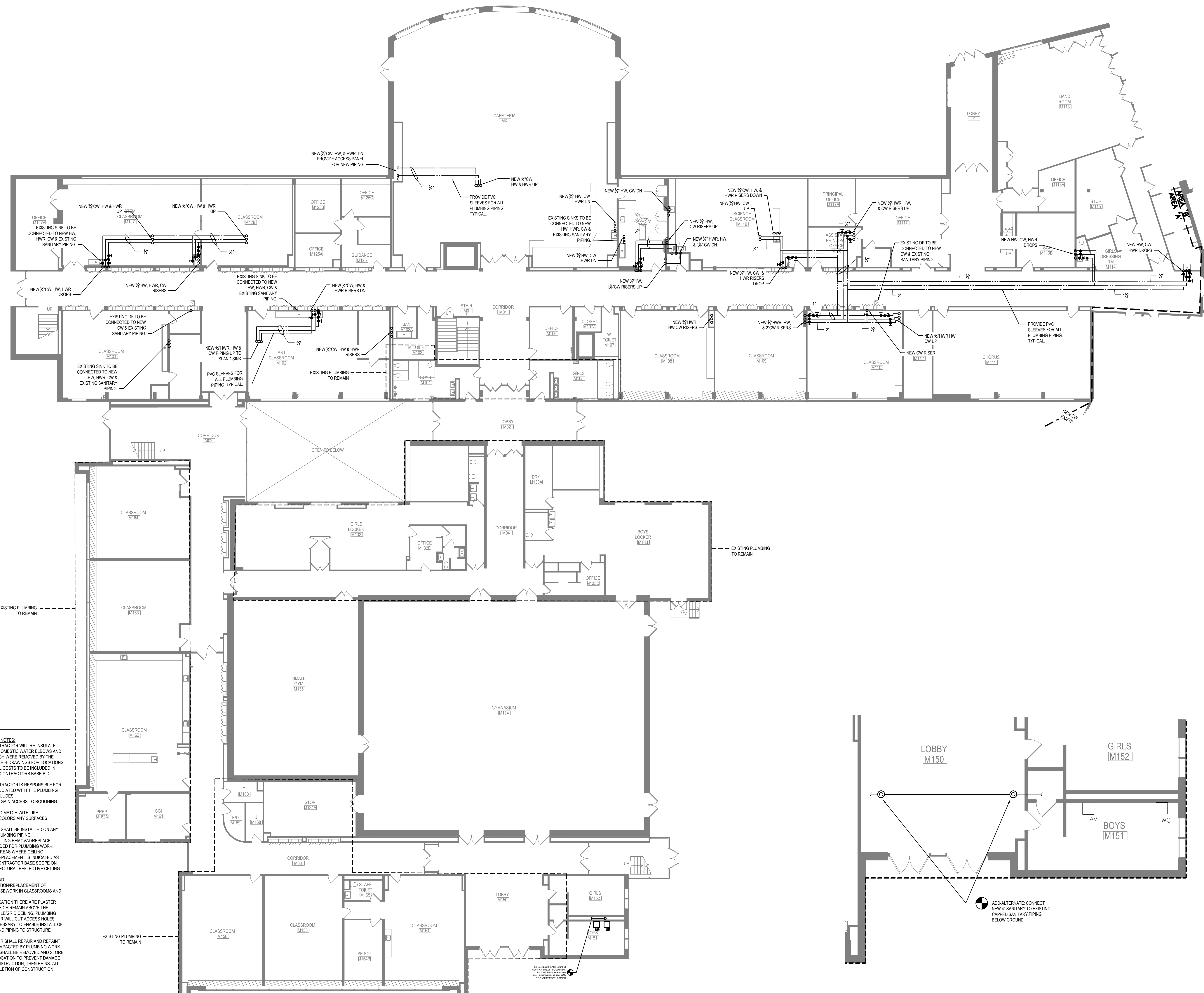
PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

**PLUMBING PART  
PLAN - BASEMENT -  
AREA B**

**MSHS P100-B**

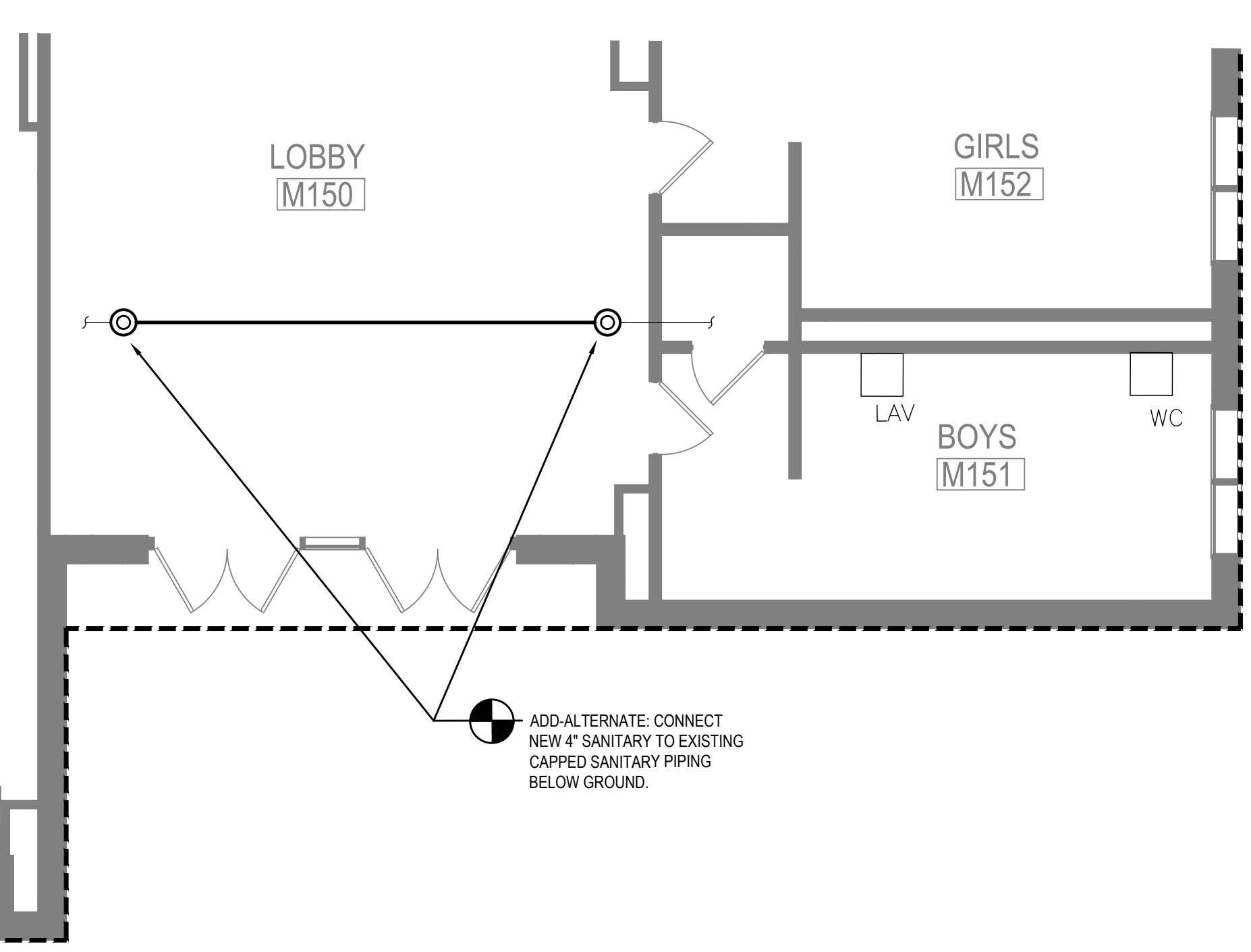
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**GENERAL PLUMBING NOTES:**

- PLUMBING CONTRACTOR WILL RE-INSULATE ANY EXISTING DOMESTIC WATER ELBOWS AND PIPE RUNS WHICH WERE REMOVED BY THE ABATEMENT. SEE H-DRAWINGS FOR LOCATIONS AND SCOPE. ALL COSTS TO BE INCLUDED IN THE PLUMBING CONTRACTORS BASE BID.
- PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL WORK ASSOCIATED WITH THE PLUMBING WORK. THIS INCLUDES:
  - CUTTING TO GAIN ACCESS TO ROUGHING UNITS
  - PATCHING TO MATCH WITH LIKE MATERIALS/COLORS ANY SURFACES IMPACTED
  - PVC JACKET SHALL BE INSTALLED ON ANY EXPOSED PLUMBING PIPING.
  - EXISTING CEILING REMOVAL/REPLACE WHERE NEEDED FOR PLUMBING WORK. EXCEPT IN AREAS WHERE CEILING REMOVAL/REPLACEMENT IS INDICATED AS GENERAL CONTRACTOR BASE SCOPE ON THE ARCHITECTURAL REFLECTIVE CEILING PLANS.
  - REMOVAL AND REINSTALLATION/REPLACEMENT OF EXISTING CASEWORK IN CLASSROOMS AND LABS.
  - IN SOME LOCATIONS THERE ARE PLASTER CEILINGS WHICH REMAIN ABOVE THE ACOUSTIC TILE/GRID CEILING. PLUMBING CONTRACTOR WILL CUT ACCESS HOLES WHERE NECESSARY TO ENABLE INSTALLATION OF HANGERS AND PIPING TO STRUCTURE ABOVE.
  - CONTRACTOR SHALL REPAIR AND REPAINT ALL WALLS IMPACTED BY PLUMBING WORK. CASEWORK SHALL BE REMOVED AND STORED IN A SAFE LOCATION TO PREVENT DAMAGE DURING CONSTRUCTION, THEN REINSTALL UPON COMPLETION OF CONSTRUCTION.

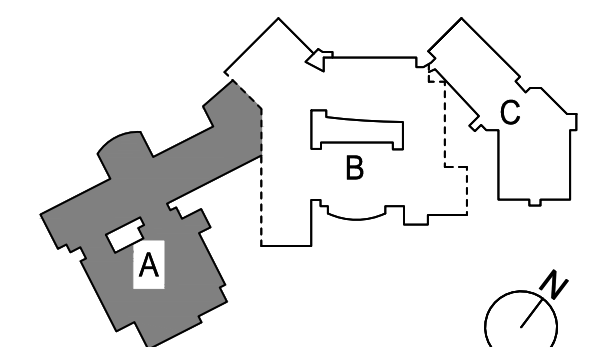


PLUMBING PART PLAN - FIRST FLOOR - AREA A

ADD-ALTERNATE: BOYS M151

BID SET	12/18/2023
ISSUE	DATE

KEY PLAN

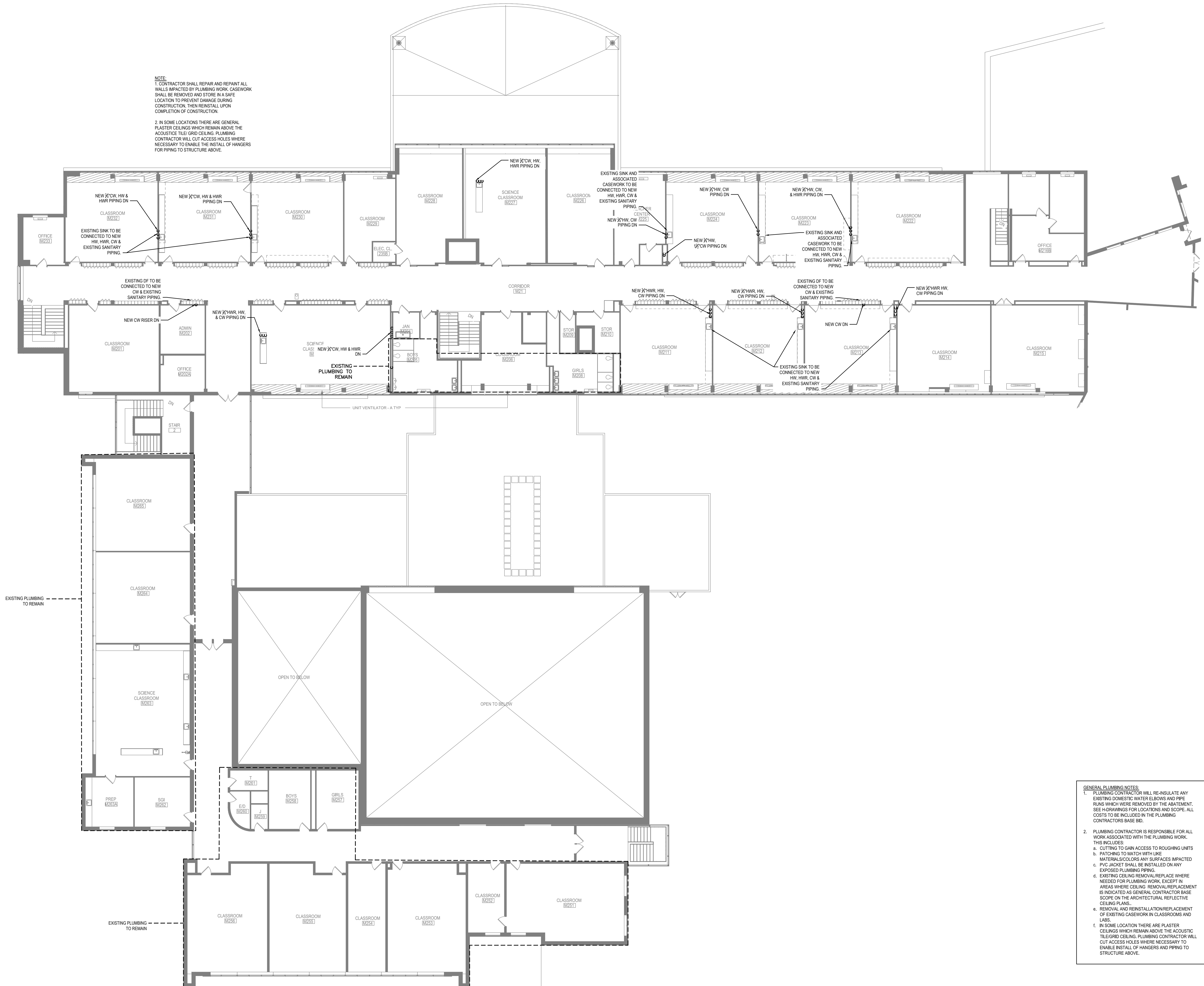


PROJECT NO. 66-03-01-03-0-003-031  
MEMASI PROJECT NO. 102-2301

PLUMBING PART  
PLAN - FIRST FLOOR  
- AREA A

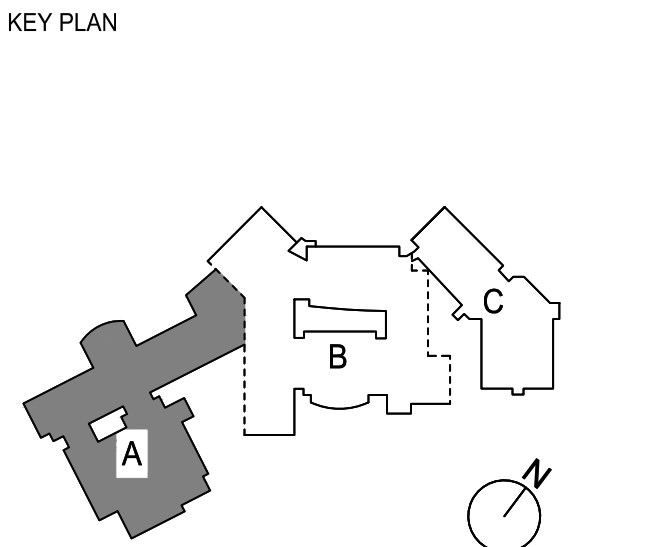


NOTE:  
1. CONTRACTOR SHALL REPAIR AND REPAINT ALL WALLS IMPACTED BY PLUMBING WORK. CASEWORK SHALL BE REMOVED AND STORED IN A SAFE LOCATION TO PREVENT DAMAGE DURING CONSTRUCTION. THEN REINSTALL UPON COMPLETION OF CONSTRUCTION.  
2. IN SOME LOCATIONS THERE ARE GENERAL PLASTER CEILINGS WHICH REMAIN ABOVE THE ACOUSTIC TILE GRID CEILING. PLUMBING CONTRACTOR WILL CUT ACCESS HOLES WHERE NECESSARY TO ENABLE THE INSTALL OF HANGERS FOR PIPING TO STRUCTURE ABOVE.



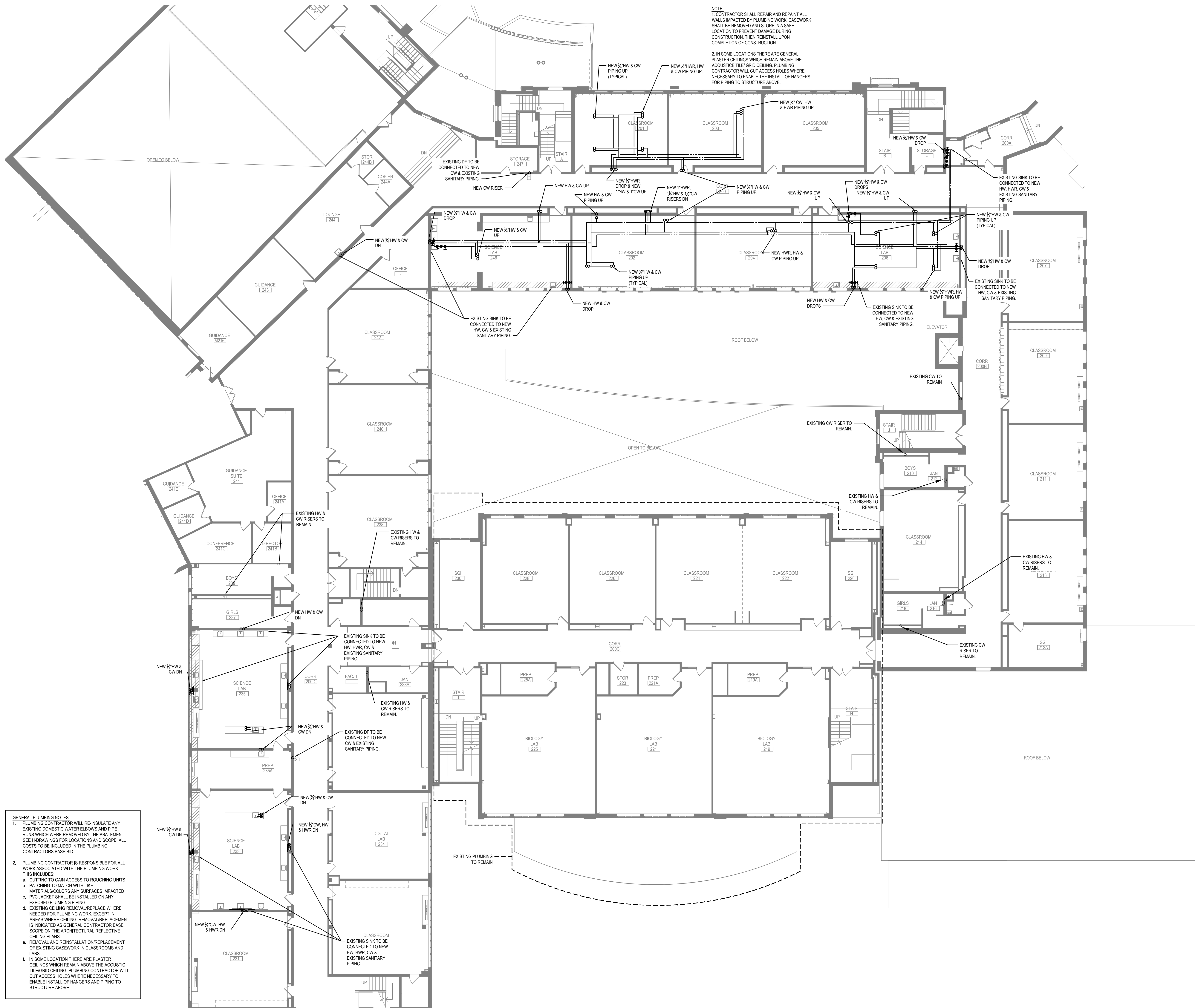
- GENERAL PLUMBING NOTES:
- PLUMBING CONTRACTOR WILL REINSULATE ANY EXISTING DOMESTIC WATER ELBOWS AND PIPE RUNS WHICH WERE REMOVED BY THE ABATEMENT. SEE DRAWINGS FOR LOCATIONS AND SCOPE. ALL COSTS TO BE INCLUDED IN THE PLUMBING CONTRACTORS BASE BID.
  - PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL WORK ASSOCIATED WITH THE PLUMBING WORK. THIS INCLUDES:
    - CUTTING TO GAIN ACCESS TO ROUGHING UNITS
    - PATCHING TO MATCH WITH LIKE MATERIALS/COLORS ANY SURFACES IMPACTED
    - PVC JACKET SHALL BE INSTALLED ON ANY EXPOSED PLUMBING PIPING.
    - EXISTING CEILING REMOVAL/REPLACE WHERE NEEDED FOR PLUMBING WORK, EXCEPT IN AREAS WHERE CEILING REMOVAL/REPLACEMENT IS INDICATED AS GENERAL CONTRACTOR BASE SCOPE ON THE ARCHITECTURAL REFLECTIVE CEILING PLANS.
    - REMOVAL AND REINSTALLATION/REPLACEMENT OF EXISTING CASEWORK IN CLASSROOMS AND LABS.
    - IN SOME LOCATION THERE ARE PLASTER CEILINGS WHICH REMAIN ABOVE THE ACOUSTIC TILE/GRID CEILINGS. PLUMBING CONTRACTOR WILL CUT ACCESS HOLES WHERE NECESSARY TO ENABLE INSTALL OF HANGERS AND PIPING TO STRUCTURE ABOVE.

BID SET	12/18/2023
ISSUE	DATE



PROJECT NO. 66-03-01-033-0-003-031  
MEMASI PROJECT NO. 102-2301  
**PLUMBING PART**  
**PLAN - SECOND**  
**FLOOR - AREA A**

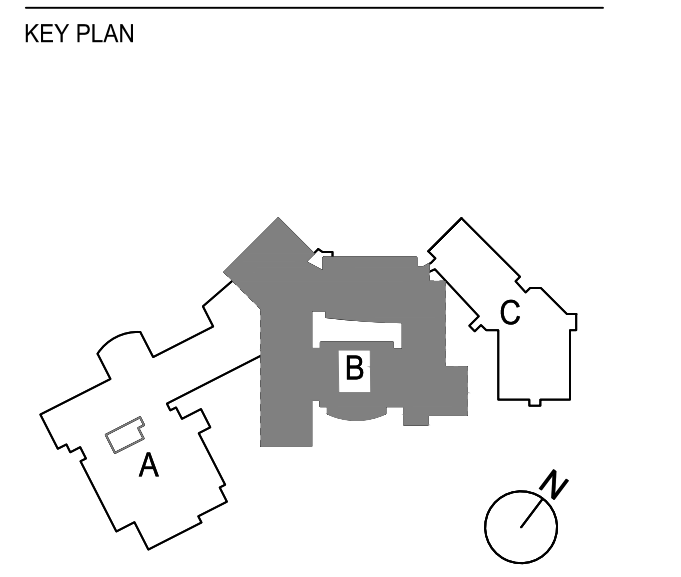




**GENERAL PLUMBING NOTES:**

- PLUMBING CONTRACTOR WILL RE-INSULATE ANY EXISTING DOMESTIC WATER ELBOWS AND PIPE RISERS WHICH WERE REMOVED BY THE ABATEMENT. SEE H-DRAWINGS FOR LOCATIONS AND SCOPE. ALL COSTS TO BE INCLUDED IN THE PLUMBING CONTRACTORS BASE BID.
- PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL WORK ASSOCIATED WITH THE PLUMBING WORK. THIS INCLUDES:
  - CUTTING TO GAIN ACCESS TO ROUGHING UNITS
  - PATCHING TO MATCH WITH LINE MATERIALS/COLORS ANY SURFACES IMPACTED
  - PVC JACKET SHALL BE INSTALLED ON ANY EXPOSED PLUMBING PIPING
  - EXISTING CEILING REMOVAL/REPLACE WHERE NEEDED FOR PLUMBING WORK, EXCEPT IN AREAS WHERE CEILING REMOVAL/REPLACEMENT IS INDICATED AS GENERAL CONTRACTOR BASE SCOPE ON THE ARCHITECTURAL REFLECTIVE CEILING PLANS.
  - REMOVAL AND REINSTALLATION/REPLACEMENT OF EXISTING CASEWORK IN CLASSROOMS AND LABS.
  - IN SOME LOCATION THERE ARE PLASTER CEILING WHICH REMAIN ABOVE THE ACoustICE TILE/GRID CEILING. PLUMBING CONTRACTOR WILL CUT ACCESS HOLES WHERE NECESSARY TO ENABLE INSTALL OF HANGERS AND PIPING TO STRUCTURE ABOVE.

BID SET	12/18/2023
ISSUE	DATE



PROJECT NO. 66-03-01-033-0-003-031  
MEMASI PROJECT NO. 102-2301

**PLUMBING PART  
PLAN - SECOND  
FLOOR - AREA B**






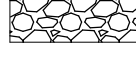
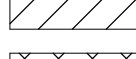
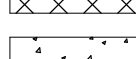

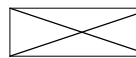
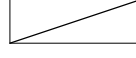



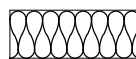


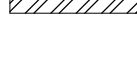






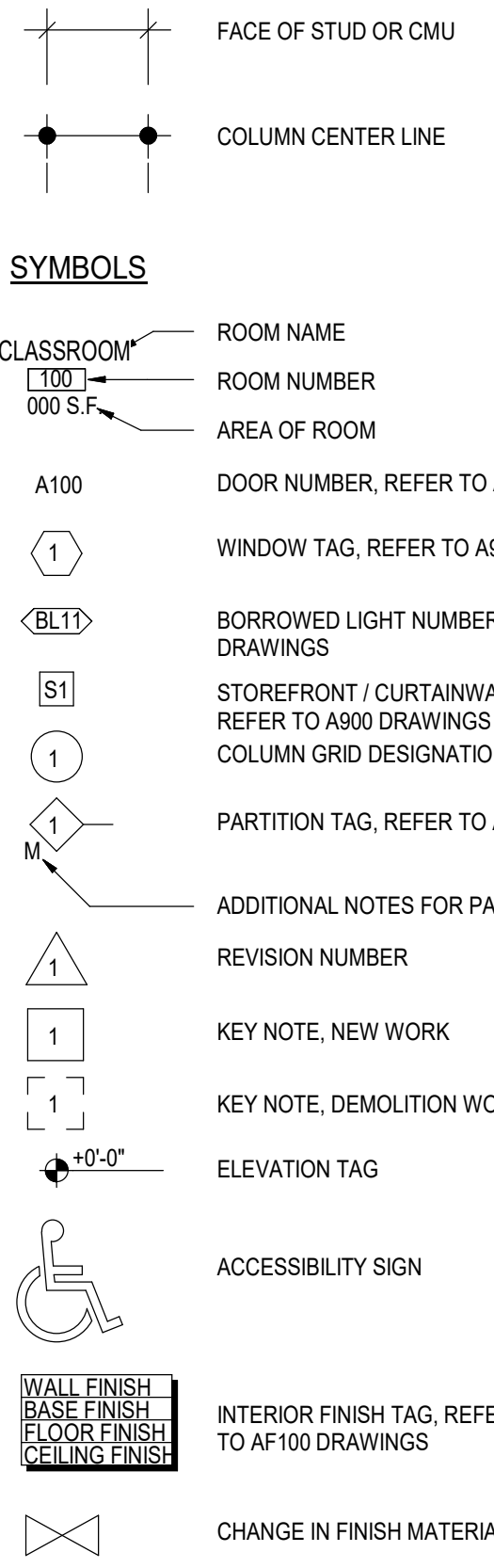
## ABBREVIATIONS

<u>ABBREVIATION</u>	<u>DESCRIPTION</u>
ADD	ADDENDUM
ADMIN	ADMINISTRATIVE
AF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT / ARCHITECTURAL
AV	AUDIO VISUAL
BLDG	BUILDING
BOT OR B/	BOTTOM OF
BSMT	BASEMENT
CJ	CONTROL / CONSTRUCTION JOINT
CL	CENTERLINE
CLG / CLNG	CLEAR
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONT	CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
DEMO	DEMOLITION
DET	DETAIL
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
ED	EDUCATION
EIFS	EXTERIOR INSULATION FINISH SYSTEM
ELECT	ELECTRIC / ELECTRICAL
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQUIP	EQUIPMENT
EXST	EXISTING
EJ	EXPANSION JOINT
EXT	EXTERIOR
FE	FIRE EXTINGUISHER
FIN	FINISH
FIN FL	FINISH FLOOR
FIXT	FIXTURE
FLR	FLOOR
FRT	FIRE-RETARDANT-TREATED MATERIAL
FTG	FOOTING
GA	GALUGE
GAL	GALLON
GALV	GALVANIZE(D)
GC	GENERAL CONTRACTOR(OR)
GND	GROUND
GWB	GYPSUM WALL BOARD
GWBS	GYPSUM WALL BOARD SOFFIT
HC	HANDICAPPED ACCESSIBLE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HTG	HEATING
HVAC	HEATING/VENTILATING/AIR CONDITIONING
ID	INSIDE DIMENSION
IN	NCH / INCHES
INT	INTERIOR
JAN	JANITOR
JC	JANITOR'S CLOSET
JOIST	JOIST
JT	JOINT
LAB	LABORATORY
LB	POUND
LN	LINEAR
LVL	LEVEL
MAN	MANUAL
MAS	MASONRY
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURE(R)
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH/D	OVERHEAD
OPT	OPTIONAL
OZ	OUNCE
PERM	PERIMETER
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLAS	PLASTER
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINTED
POLYSO	POLYISOCYANURATE
PPT	PRESSURE PRESERVATIVE TREATED
PS	PAIR
PREP	PREPARATORY
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
RAD	RADIUS
RB	RUBBER / RUBBER WALL BASE
REQD	REQUIRED
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
SCH	SCHEDULED
SECT	SECTION
SF	SQUARE FEET
SIMIL	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL / STRUCTURE
SUSP	SUSPENDED
SAC	SUSPENDED ACOUSTICAL CEILING
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TECH	TECHNOLOGY
TEMP	TEMPORARY
TMPE	TEMPERED
TOP	TOP OF MASONRY
TOS	TOP OF STEEL
Typ	TYPICAL
UL	UNDERWRITERS LABORATORY
U.O.N	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VEST	VESTIBULE
VF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WOOD	WOOD
WPT	WOOD PRESERVED-TREATED MATERIAL
WEIGHT	WEIGHT
YD	YARD

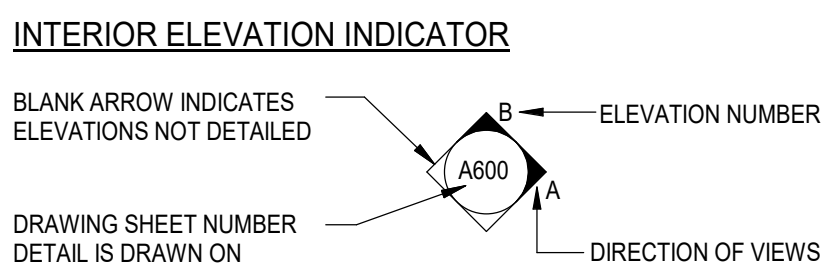
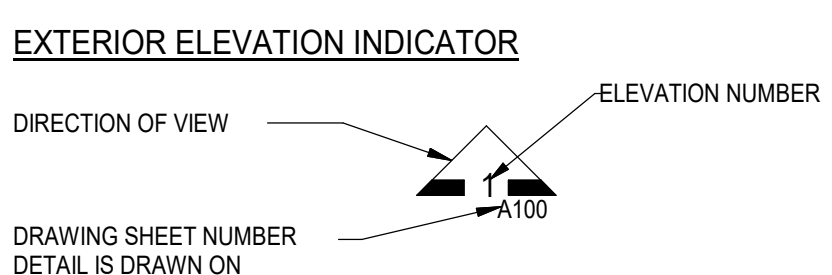
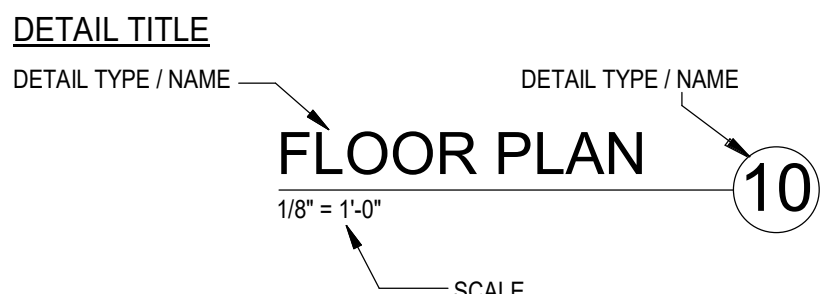
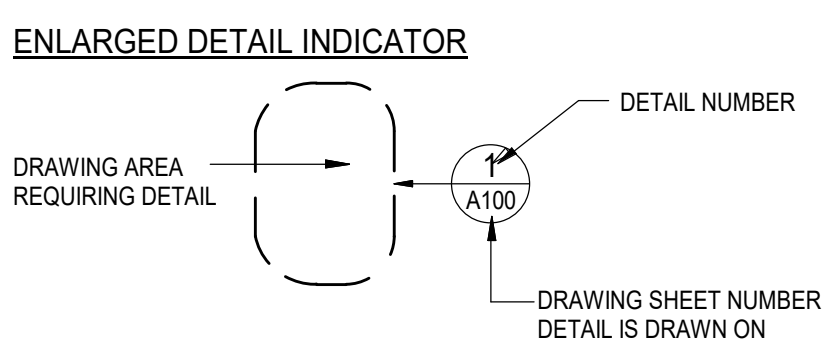
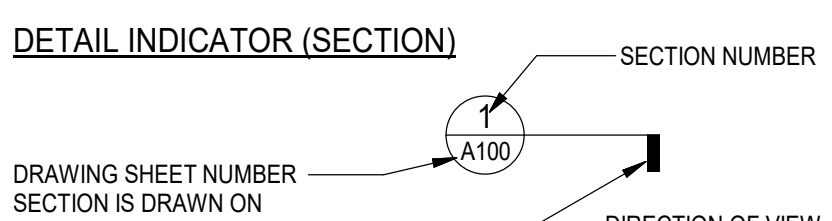
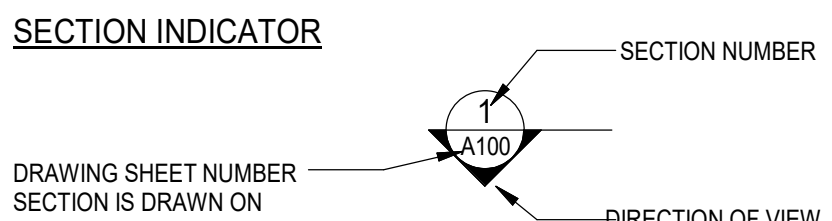
## ARCHITECTURAL LEGEND

<u>MATERIAL INDICATIONS</u>	
	EARTH
	GRANULAR FLL
	BRICK
	CONCRETE MASONRY UNIT
	CONCRETE
	GROUT
	ROUGH WOOD BLOCKING
	SHIM
	FINISH WOOD
	PLYWOOD
	SHEATHING
	RIGID INSULATION
	BATT INSULATION
	SPRAY FOAM INSULATION
	EPS INSULATION
	STEEL

## DIMENSIONING CONVENTIONS



## DETAIL INDICATOR LEGEND



## GENERAL NOTES

- DIMENSIONS ARE GIVEN THUS (UNLESS OTHERWISE NOTED)
  - TO FACE OF MASONRY WALL
  - TO FACE OF GYPSUM WALL BOARD
  - TO COLUMN CENTERLINES
  - TO FINISH FACE OF SOFFIT OR CEILING
  - FACE OF EXISTING CONSTRUCTION
- DO NOT SCALE DRAWINGS. IF A DIMENSION IS NOT SHOWN, BRING IT TO THE ATTENTION OF THE ARCHITECT FOR VERIFICATION BEFORE PROCEEDING WITH THE ASSOCIATED WORK.
- WALLS ON COLUMN LINES ARE CENTERED, U.O.N.
- ALL DIMENSIONS RELATED TO EXISTING CONDITIONS SHALL BE VERIFIED IN FIELD. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK IN THAT AREA.
- LAYOUT OF TOILET FIXTURES AND ACCESSIBILITY CLEARANCES ARE SHOWN AS CLEAR DIMENSION. CONTRACTORS ARE REQUIRED TO COORDINATE LAYOUTS OF PARTITIONS, UTILITY CONNECTIONS, AND THICKNESS OF FINISHES TO ALLOW THESE CLEAR DIMENSIONS.
- ALL ELEVATIONS (X'-X") ARE REFERENCE FROM FIRST FLOOR ELEVATION.
- ALL WOOD BLOCKING WITHIN ROOFING SYSTEM AND WITHIN 2'-0" OF GRADE SHALL BE PRESSURE TREATED.
- ALL FLOOR PENETRATIONS SHALL BE SMOKE-SEALED AND / OR FIRE STOPPED. COORDINATE WITH "H" DWGS FOR SMOKE / FIRE DAMPER REQUIREMENTS.
- ALL EXPOSED SURFACES OF NEW PARTITIONS AND SOFFITS ARE TO BE FINISHED.
- PROVIDE PATCH TO MATCH EXISTING FINISHES AT ALL WALL REMOVAL AREAS. COORDINATE WITH DEMOLITION DRAWINGS AND SPECIFICATIONS.
- FOR ALL MATERIAL TESTING, REFER TO SPECIFICATION DIVISION 000220.
- ALL CONSTRUCTION SHOWN IS NEW UNLESS NOTED OTHERWISE.

## DEMOLITION SCOPE OF WORK NOTES:

### DEMOLITION NOTES:

- CONTRACTOR SHALL PERFORM ALL OPERATIONS OF DEMOLITION AND ANY REMOVAL INDICATED ON THE DWGS. AS MAY BE REQUIRED TO FACILITATE NEW WORK. ALL DEMOLITION WORK SHALL BE DONE CAREFULLY, NEATLY IN A SYSTEMATIC MANNER.
- ALL DEMOLITION WORK SHALL BE COORDINATED WITH ASBESTOS, MEP AND ANY STRUCTURAL DEMOLITION REQUIREMENTS. CONTRACTOR SHALL ADHERE TO ALL FEDERAL AND STATE LEAD BASED PAINT REMOVAL REQUIREMENTS AS OUTLINED IN THE PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS. THE CONTRACTOR IS TO PROVIDE ALL ABATEMENT WASTE MANIFESTS, PRE- AND POST- DEMOLITION CLEAN UP TEST RESULTS, AND ANY LEAD SPECIALIST CERTIFICATION CARDS AS REQUIRED IN A TIMELY MANNER.
- ALL EXISTING SURFACES, EQUIPMENT AND OWNER ITEMS, AND/OR FURNITURE SCHEDULED TO REMAIN SHALL BE FULLY PROTECTED FROM DAMAGE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DAMAGES AND SHALL MAKE REPAIRS OR PROVIDE REPLACEMENTS PROMPTLY AT NO ADDITIONAL COST TO THE OWNER.
- ANY FIXTURES, APPLIANCES, HARDWARE, DOORS OR CASINGS THAT ARE SCHEDULED TO BE SALVAGED MUST BE REMOVED FROM THE SITE PRIOR TO THE START OF DEMOLITION. COORDINATE STORAGE REQUIREMENTS WITH THE OWNER.
- ANY DISCREPANCIES DISCOVERED DURING DEMOLITION FROM EXISTING CONDITIONS DEPICTED ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER OF RECORD BEFORE ANY WORK CAN PROCEED.
- UNLESS OTHERWISE NOTED IN THE DRAWINGS, NO STRUCTURAL MEMBERS SHALL BE REMOVED UNLESS PORTIONS AFFECTED ARE ADEQUATELY SUPPORTED BY EITHER TEMPORARY SHORING OR NEW STRUCTURAL ELEMENTS AS REQUIRED TO PROTECT THE INTEGRITY AND SUPPORT OF THE EXISTING STRUCTURE. REFER TO STRUCTURAL DEMOLITION DRAWINGS FOR MORE INFORMATION. CHANNELLING OF FLOOR SLABS OR EXISTING STRUCTURAL WALLS IS GENERALLY PROHIBITED UNLESS OTHERWISE NOTED.
- COORDINATE NEW MASONRY OPENINGS AS REQUIRED TO PROVIDE STEEL LINTELS. REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE WEATHER PROTECTION FOR THE BUILDING AND ITS CONTENTS THROUGHOUT THE DURATION OF THE WORK. ALL OPENINGS IN ANY WALL, ROOF, FLOOR OR CEILING SHALL BE PROTECTED FROM ANY FORM OF WEATHER OR WATER PENETRATION. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DAMAGES AND SHALL MAKE REQUIRED REPAIRS OR PROVIDE REPLACEMENTS PROMPTLY AT NO ADDITIONAL COST TO THE OWNER.
- PROPERTY IS TO BE KEPT SECURE AT ALL TIMES.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING PARTITION FIRE RATINGS THROUGHOUT THE DURATION OF THE WORK. ANY HOLES OR DAMAGE CREATED IN RATED PARTITIONS SHALL BE IMMEDIATELY REPAIRED TO MATCH EXISTING CONSTRUCTION TO MAINTAIN FIRE RATINGS. PROPERLY FIRESTOP ALL NEW PENETRATIONS AND EXISTING PENETRATIONS NOT PROPERLY FIRESTOPPED.
- DISCONNECT AND SEAL ALL UTILITIES SERVING ITEMS AFFECTED BY CONSTRUCTION, PRIOR TO START OF DEMOLITION WORK. COORDINATE ANY REQUIRED SHUTDOWNS WITH THE OWNER.
- REMOVE OR RELOCATE ALL WIRING, PLUMBING, MECHANICAL EQUIPMENT, ETC. AFFECTED BY REMOVAL OF PARTITIONS. REMOVED PIPES AND/OR LINES SHALL BE CUT TO A POINT OF CONCEALMENT BEHIND OR BELOW FINISHED SURFACES AND SHALL BE PROPERLY CAPPED OR DISCONNECTED. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.
- ANY EXISTING VENTILATION SHAFTS/RIGGLES TO REMAIN IN OPERATION ARE TO BE PROTECTED AND COVERED IN ORDER TO CONTAIN DUST, ODORS, AND DEBRIS FROM ENTERING THE SYSTEM. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.

### 14. FLOORING:

- IN AREAS WITH FLOOR FINISHES SCHEDULED TO BE REMOVED, ALL EXISTING FINISHES ARE TO BE REMOVED TO EXPOSE THE EXISTING SUBSTRATE BELOW. ALL DEBRIS AND ADHESIVES ARE TO BE SCRAPPED FROM SUBFLOOR IN PREPARATION FOR NEW FINISHES. THE CONTRACTOR IS TO BRING TO THE ATTENTION OF THE ARCHITECT ANY DEFICIENT EXISTING CONDITIONS IN EXISTING CONSTRUCTION BEYOND EASILY OBSERVED FINISHES UNCOVERED DURING DEMOLITION.
- FOR AREAS WHERE EXISTING FLOOR FINISHES AND FLOOR CONSTRUCTION BELOW IS SCHEDULED TO BE REMOVED REFER TO DEMO NOTE 8 AND STRUCTURAL DRAWINGS FOR MORE INFORMATION. COORDINATE REMOVALS AS REQUIRED WITH NEW CONSTRUCTION.

### 15. WALL FINISHES:

- WHERE EXISTING WALL TILE OR STONE FINISHES ARE SCHEDULED TO BE REMOVED, THE CONTRACTOR IS TO PERFORM INVESTIGATION PROBES TO DETERMINE THE EXISTING SUBSTRATE BEYOND EASILY OBSERVED FINISHES. ANY EXISTING CEMENT BOARD OR GWB SUBSTRATE IS TO BE REMOVED TOGETHER WITH THE TILE FINISH. CEMENT BLOCK OR MASONRY SUBSTRATES ARE TO BE SCRAPPED AS REQUIRED IN PREPARATION TO RECEIVE NEW FINISHES. OTHER EXISTING SUBSTRATE CONDITIONS ARE TO BE FURTHER INVESTIGATED IN THE FIELD AND THE ARCHITECT IS TO BE NOTIFIED OF EXISTING SUBSTRATE CONDITIONS ONCE PROBES HAVE BEEN COMPLETED. CONTRACTOR IS TO PROVIDE SUFFICIENT NOTICE TO THE ARCHITECT SO AS NOT TO DELAY THE PROGRESS OF THE WORK.

- WHERE OTHER EXISTING WALL FINISHES (WOOD, METAL CLADDING ETC) ARE SCHEDULED TO BE REMOVED, THE CONTRACTOR IS TO REMOVE THE FINISHES ONLY. SUBSTRATE IS TO REMAIN, AND CONDITION IS TO BE VERIFIED IN THE FIELD AFTER PROBES ARE PERFORMED, ON A CASE BY CASE BASIS. CONTRACTOR IS TO PROVIDE ADEQUATE NOTICE SO AS NOT TO DELAY THE WORK.

### 16. CEILING FINISHES:

- WHERE EXISTING CEILING FINISHES ARE SCHEDULED TO BE REMOVED, DEMOLITION WORK IS TO BE PERFORMED AS FOLLOWS:
  - REMOVE EXISTING ACOUSTIC CEILING TILE SYSTEM IN ITS ENTIRETY INCLUDING ALL MAIN RUNNERS, TEES AND SUPPORTS UNLESS OTHERWISE NOTED.
  - REMOVE EXISTING SUSPENDED GWB SYSTEM IN ITS ENTIRETY AS INDICATED ON PLANS UNLESS OTHERWISE NOTED.
  - REMOVE EXISTING PLASTER FINISH AND ANY MESH BEYOND AS REQUIRED IN PREPARATION TO RECEIVE NEW FINISHES IN AREAS INDICATED IN PLANS.

- PERFORM PROBES AS REQUIRED TO CLARIFY EXISTING SUBSTRATES AND SYSTEMS BEYOND IN AREAS WHERE EXISTING SYSTEMS ARE NOT EASILY IDENTIFIED BY OBSERVATION.

- PATCH AND REPAIR ALL SURFACES, SUBSTRATES AND FINISHES IN AREAS AFFECTED BY REMOVALS TO AS-NEW CONDITION TO MATCH EXISTING ADJACENT CONDITIONS. IF FLOOR-MOUNTED EQUIPMENT IS REMOVED AND NOT REPLACED, PROVIDE AND INSTALL NEW FLOORING TO MATCH EXISTING ADJACENT CONDITIONS.

- REMOVE FROM SITE ALL DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM DEMOLITION WORK AND AS REQUIRED DURING THE COURSE OF NEW CONSTRUCTION WORK. THE WORK SITE IS TO BE KEPT CLEAN WITH NO DEBRIS PERMITTED TO ACCUMULATE ON SITE. THE CONTRACTOR SHALL LEAVE THE SITE BROOM CLEAN AT THE END OF DEMOLITION.

### 19. UNCOVERED CONDITIONS DURING DEMOLITION:

- ALL WALLS SCHEDULED TO BE REMOVED HAVE BEEN INSPECTED TO DETERMINE WHETHER THEY ARE LOAD BEARING. REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION. IF ANY EXISTING STRUCTURAL MEMBER OR LOAD BEARING WALL IS UNCOVERED DURING THE COURSE OF DEMOLITION IT IS NOT TO BE DISTURBED. THE CONTRACTOR IS TO NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY SO THAT ANY DESIGN CHANGES CAN BE MADE TO ACCOMMODATE PROPOSED WORK WITHOUT DISTURBING EXISTING STRUCTURE. CONTRACTOR IS TO PROVIDE SUFFICIENT NOTICE SO AS NOT TO DELAY THE WORK.

- ANY MECHANICAL OR PLUMBING CHASES UNCOVERED DURING THE COURSE OF DEMOLITION ARE NOT TO BE DISTURBED UNLESS OTHERWISE NOTED ON THE DRAWINGS. CONTRACTOR IS TO NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY OF ANY EXISTING CONDITION NOT DEPICTED IN THE DRAWINGS FOR ARCHITECT/ENGINEER TO ASSESS THE EXISTING SYSTEM AND ACCOMMODATE PROPOSED WORK WITHOUT DISTURBING EXISTING BUILDING SYSTEMS. CONTRACTOR IS TO PROVIDE SUFFICIENT NOTICE SO AS NOT TO DELAY THE WORK.

- IN AREAS WHERE EXISTING CEILING FINISHES OR CEILINGS ARE SCHEDULED TO BE REMOVED OR REPLACED, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY OF ANY DISCREPANCIES FROM EXISTING CONDITIONS DEPICTED IN THE DRAWINGS, AND OF ANY EXISTING STRUCTURAL MEMBER, MEP SERVICES OR EQUIPMENT UNCOVERED DURING DEMOLITION.

- CONTRACTOR IS TO IDENTIFY ANY EXISTING CONDITIONS BEYOND EASILY OBSERVED FINISHES, OR PROPOSED FINISHES AFFECTING ALL WORK DURING THE COURSE OF DEMOLITION, AND NOTIFY THE ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH NEW CONSTRUCTION, SO THAT ANY DESIGN CHANGES CAN BE MADE TO ACCOMMODATE UNCOVERED CONDITIONS. THE CONTRACTOR IS TO PROVIDE ADEQUATE NOTICE SO AS NOT TO DELAY THE WORK.

- AT DEMOLITION COMPLETION, A SITE MEETING IS TO BE SCHEDULED TO REVIEW EXISTING CONDITIONS WITH THE ARCHITECT AND ENGINEER SO THAT ANY UNFORSEEN AND UNCOVERED CONDITIONS CAN BE INCLUDED IN THE DESIGN AND CHANGES CAN BE MADE IN A TIMELY MANNER.

- CONTRACTOR IS TO PROTECT ALL BUILDING COMMON AREAS THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITIES. ALL AFFECTED AREAS ARE TO BE KEPT DUST FREE AND CLEANED DAILY. CONTRACTOR SHALL ADHERE TO ALL APPLICABLE REQUIREMENTS RELATIVE TO THE PROTECTION OF WORK AREAS AS OUTLINED IN THE PROJECT SPECS AND CONTRACT.

# ANNE HUTCHINSON ELEMENTARY SCHOOL

60 MILL ROAD, EASTCHESTER, NY 10709

SED NO.  
MEMASI PROJECT NO.

66-03-01-03-0-001-023  
102-2301

## BID SET:

## 12/18/2023

## DRAWING LIST

GENERAL	G001 GENERAL INFORMATION
	LS001 LIFE SAFETY PLAN - GROUND & FIRST FLOOR
ASBESTOS ABATEMENT DRAWINGS	H-001.00 ASBESTOS ABATEMENT GENERAL NOTES
	H-002.00 ASBESTOS ABATEMENT GROUND FLOOR PLAN
	H-003.00 ASBESTOS ABATEMENT FIRST FLOOR PLAN
ARCHITECTURAL DEMOLITION DRAWINGS	AD101 DEMOLITION PART PLAN - GROUND AND FIRST FLOOR
ARCHITECTURAL DRAWINGS	A801 REFLECTED CEILING PART PLAN - GROUND AND FIRST FLOOR
ARCHITECTURAL FINISH DRAWINGS	AF100 FIRST FLOOR FINISH PLAN
MECHANICAL DRAWINGS	M001 MECHANICAL COVER SHEET
	M002 MECHANICAL GENERAL NOTES
	M100 MECHANICAL PLAN - GROUND FLOOR
	M101 MECHANICAL PLAN - FIRST FLOOR
	M701 MECHANICAL DETAILS
ELECTRICAL DRAWINGS	E001 ELECTRICAL COVER SHEET
	E002 ELECTRICAL GENERAL NOTES
	ED100 ELECTRICAL DEMOLITION PLAN - GROUND FLOOR
	ED101 ELECTRICAL DEMOLITION PLAN - FIRST FLOOR
	E200 ELECTRICAL LIGHTING PLAN - GROUND FLOOR
	E201 ELECTRICAL LIGHTING - FIRST FLOOR
	E501 ELECTRICAL LIGHTING CONTROLS
	E601 ELECTRICAL PANEL SCHEDULES
PLUMBING DRAWING	P001 PLUMBING COVER SHEET
	P100 PLUMBING PLAN - GROUND FLOOR
	PT101 PLUMBING DETAILS

## 2020 EXISTING BUILDING CODE OF NEW YORK STATE ANALYSIS - CLASSIFICATION OF WORK

ESB 603	<b>ALTERATION - LEVEL 2 SCOPE</b>	LEVEL 2 ALTERATIONS INCLUDE THE RECONFIGURATION OF SPACE, AND THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT.
EBC 603.1		

## 2020 BUILDING CODE OF NEW YORK STATE - ANALYSIS CHAPTER 3 - OCCUPANCY CLASSIFICATION AND USE CHAPTER 6 - TYPES OF CONSTRUCTION

BC 302.1	OCCUPANCY CLASSIFICATION	3. EDUCATIONAL (SECTION 305)	<b>GROUP E</b>
BC 305.1	EDUCATIONAL GROUP E	EDUCATIONAL GROUP E OCCUPANCY INCLUDES, AMONG OTHERS, THE USE OF A BUILDING OR STRUCTURE, OR A PORTION THEREOF, BY SIX OR MORE PERSONS AT ANY ONE TIME FOR EDUCATIONAL PURPOSES THROUGH THE 12TH GRADE.	
TABLE 601	FIRE-RESISTANCE REQUIREMENTS FOR BUILDING ELEMENTS EXISTING BUILDING	PRIMARY STRUCTURAL FRAME, BEARING WALLS AND PARTITIONS, NONBEARING WALLS AND PARTITIONS, FLOOR CONSTRUCTION, AND ROOF CONSTRUCTION.	<b>TYPE I-B AND I-B</b> FIRE-RESISTANCE (HOURS): 0

## 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE

TABLE C301.1	NEW YORK STATE CLIMATE ZONES BY COUNTY		
	CLIMATE ZONE 4A	WESTCHESTER COUNTY, NY	
TABLE C402.4	BUILDING ENVELOPE FENESTRATION MAXIMUM U-FACTOR AND SHGC REQUIREMENTS		
	FIXED FENESTRATION	U-FACTOR	0.38
	OPERABLE FENESTRATION	U-FACTOR	0.45
	ENTRANCE DOORS	U-FACTOR	0.77
		SHGC	0.22
		SHGC	0.43
		SHGC	0.58
		PF = 0.5	0.58
		PF = PROJECTION FACTOR	

SEE SPECIFICATIONS FOR FENESTRATION VALUES COMPLYING WITH 2020 ENERGY CONSERVATION CODE.

## EASTCHESTER UNION FREE SCHOOL DISTRICT

2022 CAPITAL PROJECT PHASE 3

ANNE HUTCHINSON ELEMENTARY SCHOOL

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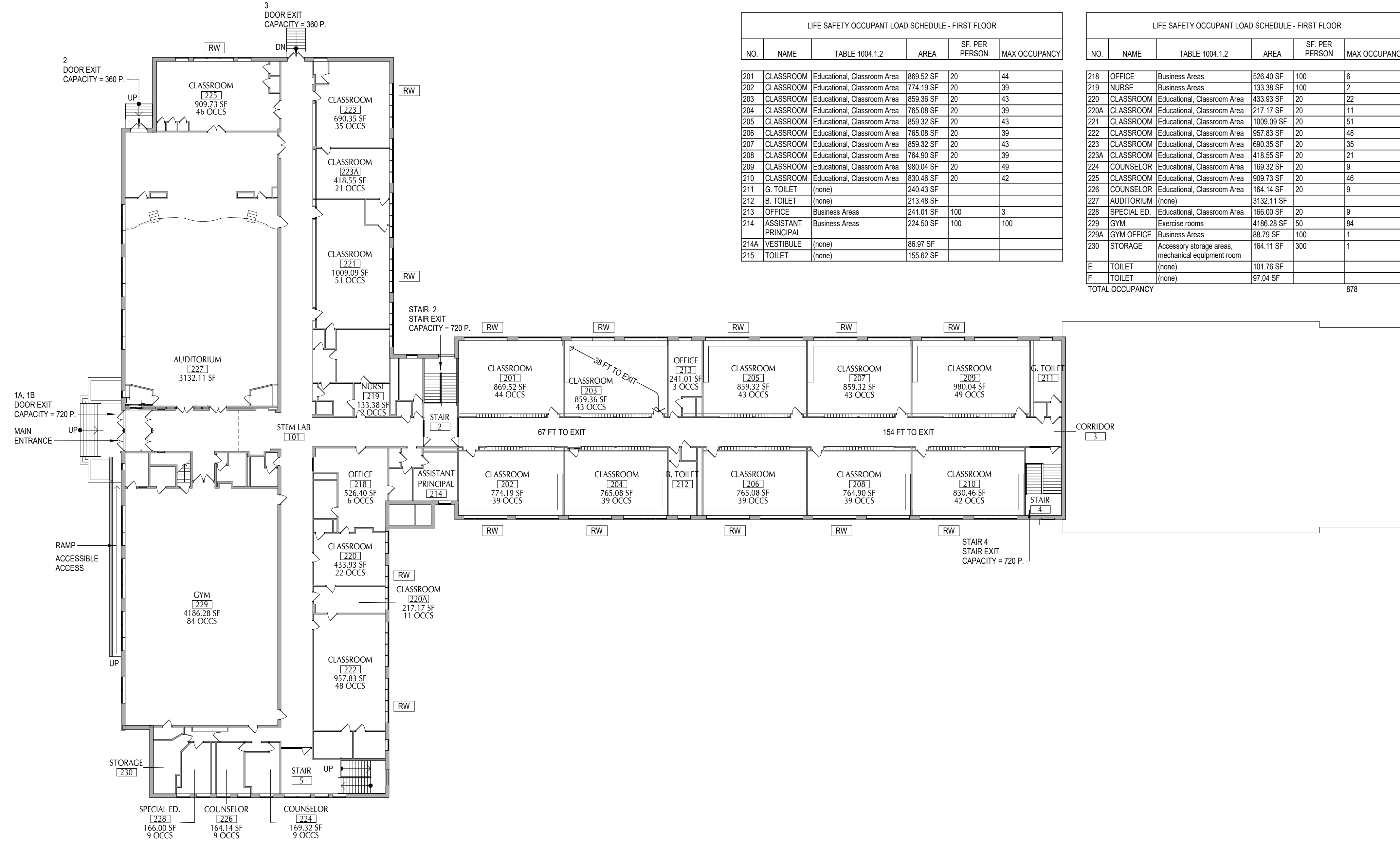
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WSP  
ONE FENN

**LIFE SAFETY LEGEND**

- RESCUE WINDOW
- EGRESS PATH END / START
- ONE-HOUR RATED PARTITION

**2020 BUILDING CODE OF NEW YORK STATE ANALYSIS - CHAPTER 10 MEANS OF EGRESS**

BC 1004.1	DESIGN OCCUPANT LOAD	IN DETERMINING MEANS OF EGRESS, THE NUMBER OF OCCUPANTS FOR WHOM MEANS OF EGRESS FACILITIES ARE PROVIDED SHALL BE DETERMINED IN ACCORDANCE WITH THIS SECTION.
TABLE 1004.5 OCC	MAX. FLOOR AREA PER OCC.	ACCESSORY STORAGE AREAS, MECHANICAL EQUIP. RM 300 SF. GROSS/ ASSEMBLY WITHOUT FIXED SEATS UNCONCENTRATED 15 SF. NET / OCC. WITH FIXED SEATS (1004.4) INSTALLED SEATS (THE TOTAL NUMBER OF INSTALLED SEATS AT ANNE HUTCHINSON ES IS 400)
OCC.	BUSINESS AREAS	150 SF. GROSS/ CONCENTRATED BUSINESS AREAS > 50 SF/OCC
OCC.	EDUCATIONAL CLASSROOM AREA	20 SF. NET / OCC. SHOPS AND OTHER VOCATIONAL 50 SF. NET / OCC. 50 SF. GROSS/ EXERCISE ROOMS
OCC.	LIBRARY	50 SF. NET / OCC. 100 SF. GROSS/ STAGES AND PLATFORMS 15 SF. NET / OCC.
BC 1004.7	OUTDOOR AREAS	YARD, PATIOS, OCCUPIED ROOFS, COURTS AND SIMILAR OUTDOOR AREAS ACCESSIBLE TO AND USABLE BY THE BUILDING OCCUPANTS SHALL BE PROVIDED MEANS OF EGRESS AS REQUIRED BY THIS CHAPTER. THE OCCUPANT LOAD SHALL BE ASSIGNED BY THE BUILDING OFFICIAL.
BC 1005.3.1	STAIRWAYS	THE CAPACITY, IN INCHES, OF MEANS OF EGRESS STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH STAIRWAY BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.3 INCH PER OCCUPANT.
BC 1005.3.2	OTHER EGRESS COMPONENTS	THE CAPACITY, IN INCHES, OF MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH COMPONENT BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2 INCH PER OCCUPANT.
TABLE 1006.2.1	MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE	OCCUPANCY E (EDUCATIONAL) WITHOUT SPRINKLER SYSTEM 75 FEET
TABLE 1006.3.1	MIN NUMBER OF EXITS OR ACCESS TO EXITS PER STORY	OCCUPANT LOAD PER STORY MIN. NUMBER OF EXITS OR ACCESS TO EXITS 1-500 2 501-1,000 3 > 1,000 4
BC 1007.1.1	TWO EXITS OR EXIT	WHERE TWO EXITS, EXIT ACCESS DOORWAYS, EXIT ACCESS STAIRWAYS OR RAMPS [...] THE ACCESS DOORWAYS SHALL BE PLACED A DISTANCE APART EQUAL TO NOT LESS THAN ONE-HALF OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE SERVED IN A STRAIGHT LINE BETWEEN THEM.
BC 1007.1.2	THREE OR MORE EXITS OR	WHERE ACCESS TO THREE OR MORE EXITS IS REQUIRED [...] ADDITIONAL REQUIRED EXIT OR EXIT ACCESS DOORWAYS ACCESS DOORWAYS SHALL BE ARRANGED A REASONABLE DISTANCE A SHALL BE ARRANGED A REASONABLE DISTANCE APART SO THAT ONE BECOMES BLOCKED THE OTHERS WILL BE AVAILABLE.
BC 1008.1	MEANS OF EGRESS	ILLUMINATION SHALL BE PROVIDED IN THE MEANS OF EGRESS IN ACCORDANCE TO SECTION ILLUMINATION 1008.2 UNDER EMERGENCY POWER, MEANS OF EGRESS ILLUMINATION SHALL COMPLY WITH SECTION 1008.3.
BC 1009.1	ACCESSIBLE MEANS OF EGRESS REQUIRED	[...] WHERE MORE THAN ONE MEANS OF EGRESS ARE REQUIRED [...] EACH ACCESSIBLE EGRESS REQUIRED PORTION OF THE SPACE SHALL BE SERVED NOT LESS THAN TWO ACCESSIBLE MEANS OF EGRESS. EXCEPTION: 1. ACCESSIBLE MEANS OF EGRESS ARE NOT REQUIRED TO PROVIDED IN EXISTING BUILDINGS.
TABLE 1017.2	EXIT ACCESS TRAVEL DISTANCE	OCCUPANCY E (EDUCATIONAL) WITHOUT SPRINKLER SYSTEM 200 FEET
TABLE 1020.1	CORRIDOR FIRE-RESISTANCE RATING	OCCUPANCY E (EDUCATIONAL) WITHOUT SPRINKLER SYSTEM 1 (HOUR)
BC 1020.4	DEAD ENDS	WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT THERE ARE NO DEAD ENDS IN CORRIDORS WITH MORE THAN 20 FEET IN LENGTH.
BC 1028.1	EXIT DISCHARGE	EXITS SHALL DISCHARGE DIRECTLY TO THE EXTERIOR OF THE BUILDING. THE EXIT DISCHARGE SHALL BE AT GRADE OR SHALL PROVIDE A DIRECT PATH OF EGRESS TRAVEL TO GRADE. THE EXIT DISCHARGE SHALL NOT REENTER THE BUILDING.

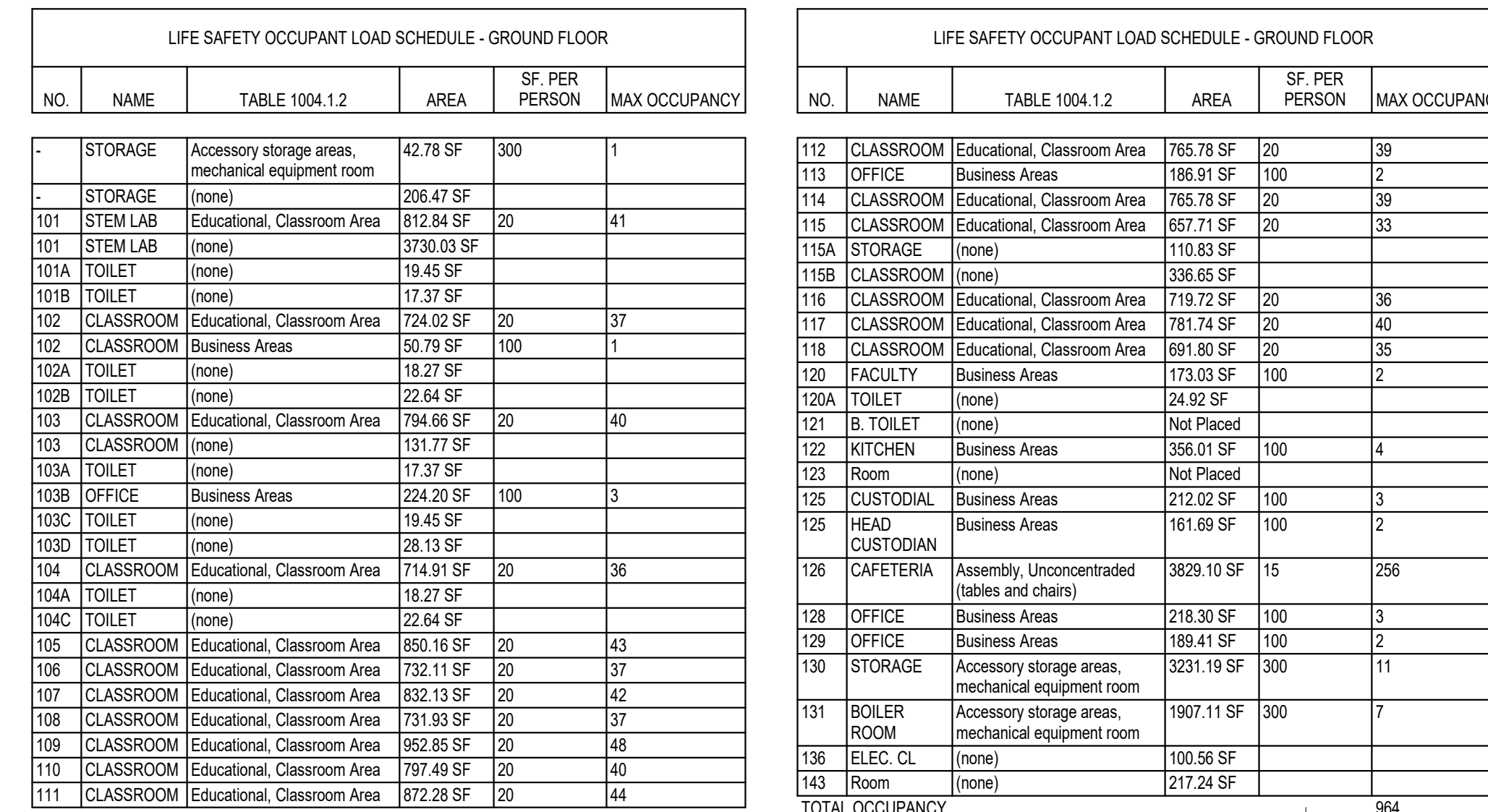


**LIFE SAFETY PLAN - FIRST FLOOR**  
3/84" = 1'-0"

3/84" = 1'-0"

**LIFE SAFETY PLAN - GROUND FLOOR**  
3/84" = 1'-0"

3/84" = 1'-0"



20

**EASTCHESTER UNION FREE SCHOOL DISTRICT**

**2022 CAPITAL PROJECT PHASE 3**

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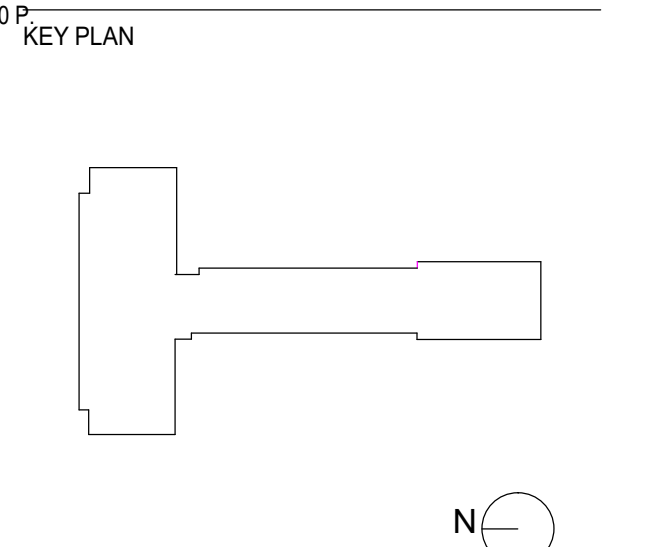
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EXPIRATION DATE: 2/29/2024

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BID SET 12/18/2023  
ISSUE DATE



PROJECT NO. 66-03-01-03-0-001-023  
MEMASI PROJECT NO. 102-2301

**LIFE SAFETY PLAN - GROUND & FIRST FLOOR**

**AH LS001**

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10

# ASBESTOS ABATEMENT GENERAL NOTES

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**GENERAL NOTES:**

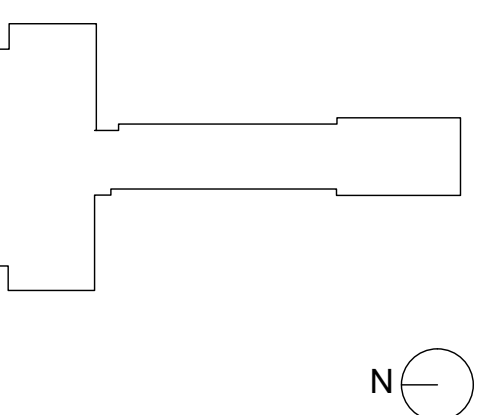
- ASBESTOS REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, GUIDELINES, REGULATIONS, ORDERS AND DIRECTIVES, INCLUDING, BUT NOT LIMITED TO THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA), AND U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH), AND NEW YORK STATE DEPARTMENT OF LABOR (NYSDDL).
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, SERVICES, ETC., NECESSARY TO PERFORM THE WORK REQUIRED FOR ASBESTOS ABATEMENT IN ACCORDANCE WITH CONTRACT DOCUMENTS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.
- THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT A WRITTEN STANDARD PROCEDURE FOR ABATEMENT WORK TO ENSURE MAXIMUM PROTECTION AND SAFEGUARD FROM ASBESTOS EXPOSURE OF THE WORKERS, VISITORS, EMPLOYEES, GENERAL PUBLIC, AND THE ENVIRONMENT.
- THE CONTRACTOR SHALL PROVIDE SIGNS, LABELS, WARNINGS, AND POST INSTRUCTIONS THAT ARE NECESSARY TO PROTECT, INFORM AND WARN PEOPLE OF THE HAZARD FROM ASBESTOS EXPOSURE. POST IN A PROMINENT AND CONVENIENT PLACE FOR THE WORKERS A COPY OF THE LATEST APPLICABLE REGULATIONS FROM OSHA, EPA, NIOSH AND NYSDOL.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS.
- THE CONTRACTOR SHALL RELOCATE ALL FURNITURE, LOCKERS, DESKS AND OTHER MISC. ITEMS IN AND OUT OF THE WORK AREAS TO ACCOMMODATE ASBESTOS REMOVAL ACTIVITIES.
- THE CONTRACTOR SHALL PROVIDE ALL ELECTRICAL, WATER, AND WASTE CONNECTIONS, TIE-INS, EXTENSIONS, CONSTRUCTION MATERIALS, SUPPLIES, ETC. AS REQUIRED TO FACILITATE ASBESTOS REMOVAL.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY ELECTRIC AND LIGHT THROUGHOUT THE WORK AREA(S) AS REQUIRED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND CODES.
- THE CONTRACTOR SHALL ESTABLISH CRITICAL BARRIERS OVER ALL OPENINGS LOCATED INSIDE THE PARTICULAR WORK AREA AS WELL AS INSIDE THE SCHOOL.
- THE CONTRACTOR SHALL PROPERLY PROTECT ALL CONTROLS, TUBING, ELECTRICAL PANELS, EQUIPMENT, ETC. WITHIN THE WORK AREA.
- THE CONTRACTOR SHALL BE REQUIRED TO ISSUE NON-WHITE WORK COVERALLS FOR ALL ABATEMENT WORKERS.
- THE CONTRACTOR SHALL EXERCISE EXTREME CARE AND CAUTION DURING ANY AND ALL DEMOLITION AND ABATEMENT OPERATIONS. THE CONTRACTOR SHALL CONDUCT REMOVAL OF ALL MATERIALS FROM THE SITE WITH MINIMUM DISTURBANCE; PROVIDE PROPER PROTECTION AND REGULAR MAINTENANCE OF ALL BUILDING PREMISES DIRECTLY OR INDIRECTLY ASSOCIATED WITH ABATEMENT OPERATIONS.
- THE CONTRACTOR SHALL LOCATE AND SEAL ALL PENETRATIONS THROUGH WALLS BETWEEN THE WORK AREA AND ADJACENT AREAS, INCLUDING, BUT NOT LIMITED TO PIPE, DUCT, CONDUIT, CHASES, AND OPENINGS IN FIRE WALLS OR DECKS BETWEEN FLOORS AS REQUIRED BY THE FIELD CONDITIONS.
- THE CONTRACTOR SHALL USE A WATER SPRAYER TO WET ASBESTOS-CONTAINING MATERIALS INSIDE THE WORK AREA.
- THE CONTRACTOR SHALL CONSTRUCT A PERSONAL WASTE DECONTAMINATION ENCLOSURE SYSTEM (P./W.D.E.S.) AS INDICATED. IT SHALL BE OF SUFFICIENT SIZE TO ACCOMMODATE STORAGE OF MATERIALS, EQUIPMENT, ETC.
- SHOWER WATER AND WASTE WATER MUST BE FILTERED AND DISPOSED OF IN THE BUILDING'S SANITARY SYSTEM. REFER TO CONTRACT SPECIFICATIONS.
- IF WATER IS NOT AVAILABLE, THE CONTRACTOR SHALL PROVIDE A 55-GALLON WATER TANK FOR THE DECONTAMINATION UNIT.
- THE CONTRACTOR SHALL UTILIZE GFCI PANEL CONNECTIONS AT THE SOURCE OUTLET WHEN ACCESSING TEMPORARY POWER.
- THE CONTRACTOR SHALL SUPPLY ALL NECESSARY CONNECTIONS, FASTENERS, FLEXIBLE DUCTS, MANIFOLDS, SUPPORTS, ETC. ANY AND ALL INSTALLATIONS SHALL COMPLY WITH CONTRACT DOCUMENTS AND MANUFACTURER'S REQUIREMENTS.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE TEMPORARY WATER AND POWER SOURCES PRIOR TO ABATEMENT ACTIVITIES.
- DEBRIS RESULTING FROM ANY DEMOLITION AND/OR ASBESTOS ABATEMENT ACTIVITIES SHALL BE DISPOSED OF AS ASBESTOS CONTAMINATED WASTE.
- NO WASTE SHALL BE STORED ON SITE OR INSIDE THE DECONTAMINATION UNIT BETWEEN SHIFTS. WASTE SHALL BE DOUBLE BAGGED BEFORE PROCEEDING TO THE CONTAINER AND/OR DECON. BAGS WILL BE MOVED FROM WORK AREAS TO THE WASTE DECON AND SUBSEQUENTLY TO THE CONTAINER IN COVERED CARTS. BAGS WILL BE CARRIED BY HAND ONLY WHEN NECESSARY. ALL WASTE SHALL BE CONTAINERIZED AT THE END OF EACH WORK SHIFT BEFORE RELINQUISHING TO WASTE HAULER.
- THE CONTRACTOR IS RESPONSIBLE TO COORDINATE AND CONFIRM THE EXACT SCOPE OF WORK FOR EACH PHASE OF ABATEMENT WITH THE GENERAL CONTRACTOR AND OTHER TRADES.
- THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, TOOLS, TRANSPORTATION AND ANY OTHER EQUIPMENT REQUIRED AND/OR NECESSARY TO COMPLETE ALL WORK DESCRIBED IN THE CONTRACT DOCUMENTS.
- THE LOCATION OF THE PERSONAL WASTE DECONTAMINATION UNITS, AIRLOCKS, ETC. IS SHOWN FOR REFERENCE PURPOSES. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD.
- ASBESTOS ABATEMENT INDICATED IN THE DRAWING #H-002.00 & #H-003.00 WILL BE DONE IN ACCORDANCE WITH 12 NYCRR PART 56 AND SHALL BE PERFORMED BY A NYSDOL LICENSED ASBESTOS CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE ALL LAYERS OF ASBESTOS FLOORING MATERIALS DOWN TO SUBSTRATE.

DRAWING	DRAWING NAME
H-001.00	ASBESTOS ABATEMENT - GENERAL NOTES
H-002.00	ASBESTOS ABATEMENT - GROUND FLOOR PLAN
H-003.00	ASBESTOS ABATEMENT - FIRST FLOOR PLAN

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BID SET 12/18/2023  
ISSUE DATE

KEY PLAN



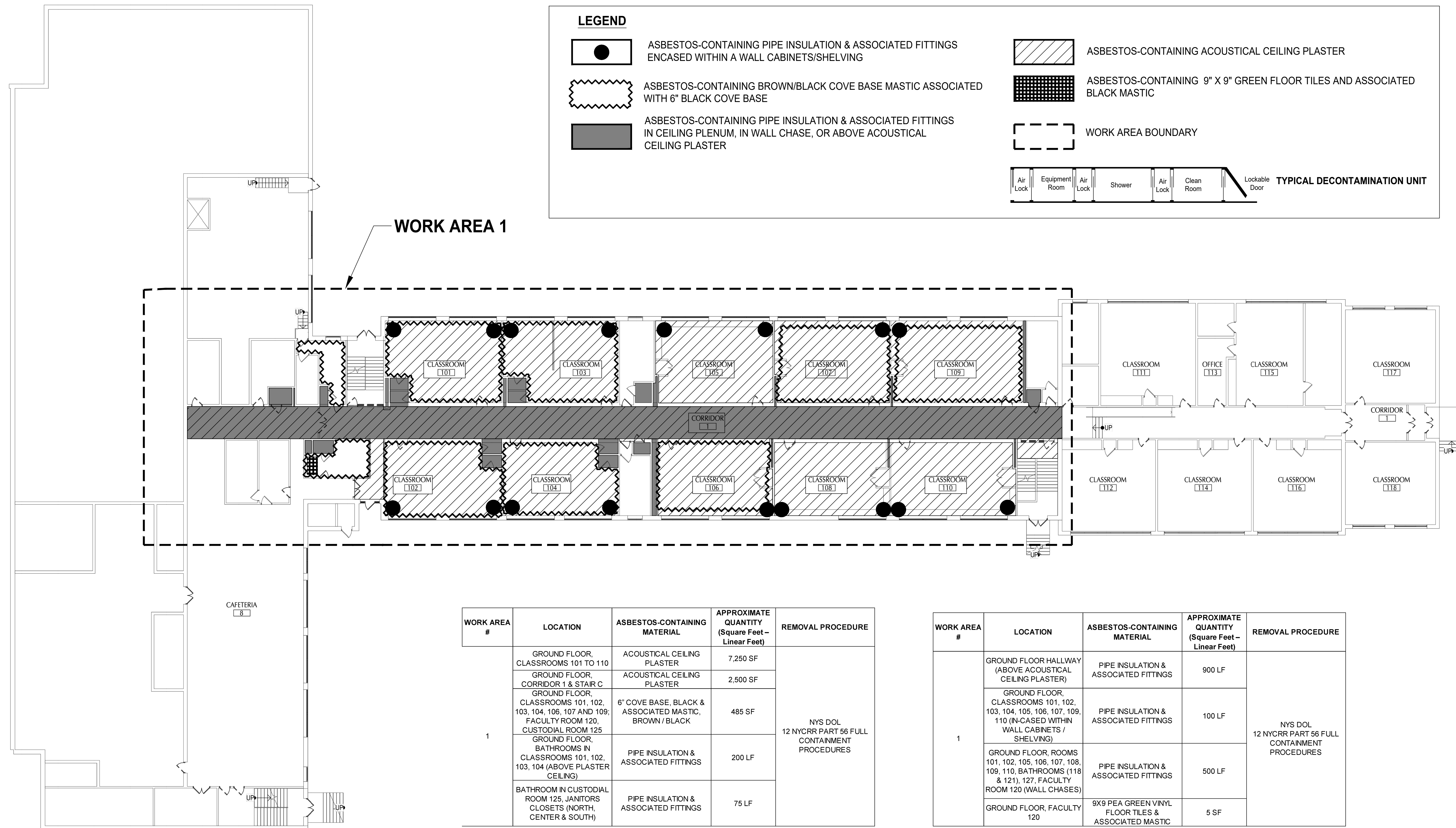
PROJECT NO. 66-03-01-03-0-001-023  
MEMASI PROJECT NO. 102-2301

## ASBESTOS ABATEMENT GENERAL NOTES

### AH H-001.00

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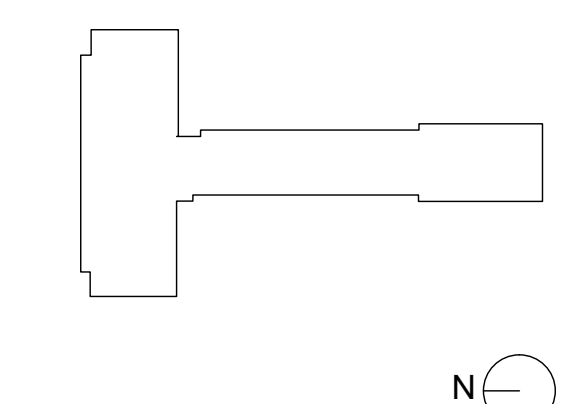
GROUND FLOOR PLAN  
NOT TO SCALE

1

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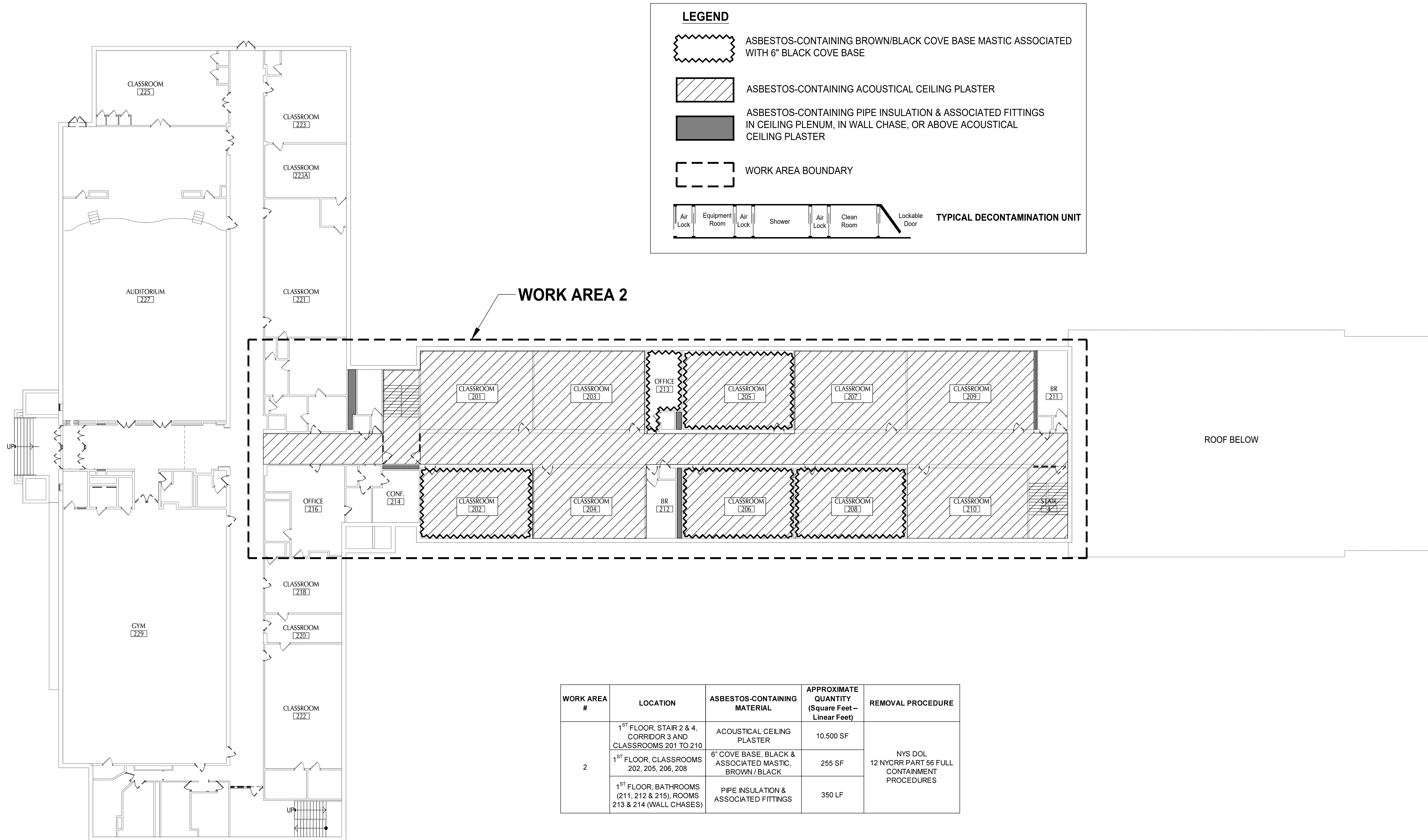


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ASBESTOS  
ABATEMENT  
GROUND FLOOR  
PLAN

AH H-002.00

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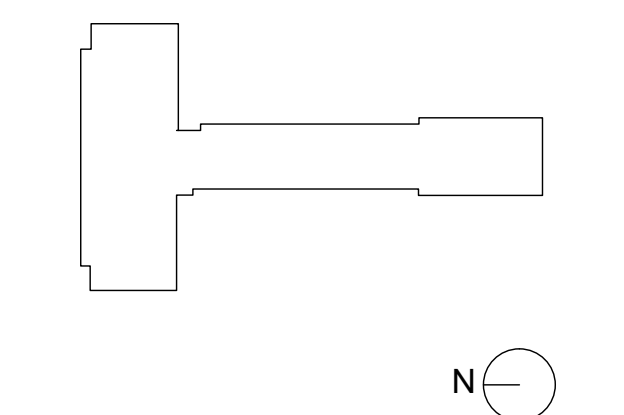
WORK AREA #	LOCATION	ASBESTOS-CONTAINING MATERIAL	APPROXIMATE QUANTITY (Square Feet – Linear Feet)	REMOVAL PROCEDURE
2	1 <sup>ST</sup> FLOOR, STAIR 2 & 4, CORRIDOR 3 AND CLASSROOMS 201 TO 210	ACOUSTICAL CEILING PLASTER	10,500 SF	NYS DOL 12 NYCRR PART 56 FULL CONTAINMENT PROCEDURES
	1 <sup>ST</sup> FLOOR, CLASSROOMS 202, 205, 206, 208	6" COVE BASE, BLACK & ASSOCIATED MASTIC, BROWN / BLACK	255 SF	
	1 <sup>ST</sup> FLOOR, BATHROOMS (211, 212 & 215), ROOMS 213 & 214 (WALL CHASES)	PIPE INSULATION & ASSOCIATED FITTINGS	350 LF	

FIRST FLOOR PLAN  
NOT TO SCALE

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KEY PLAN



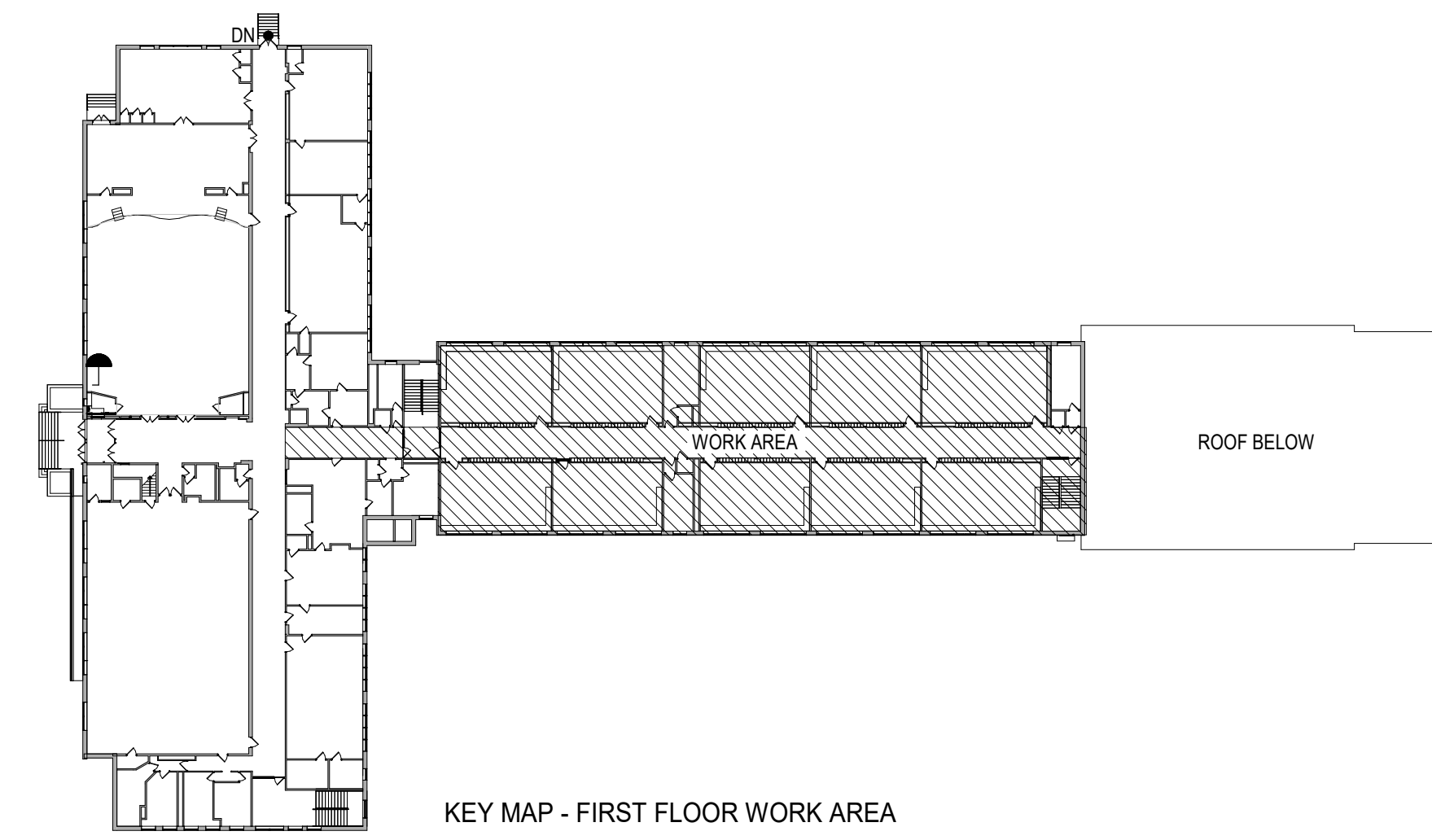
PROJECT NO. 66-03-01-03-0-001-023  
MEMASI PROJECT NO. 102-2301

ASBESTOS  
ABATEMENT  
FIRST FLOOR  
PLAN

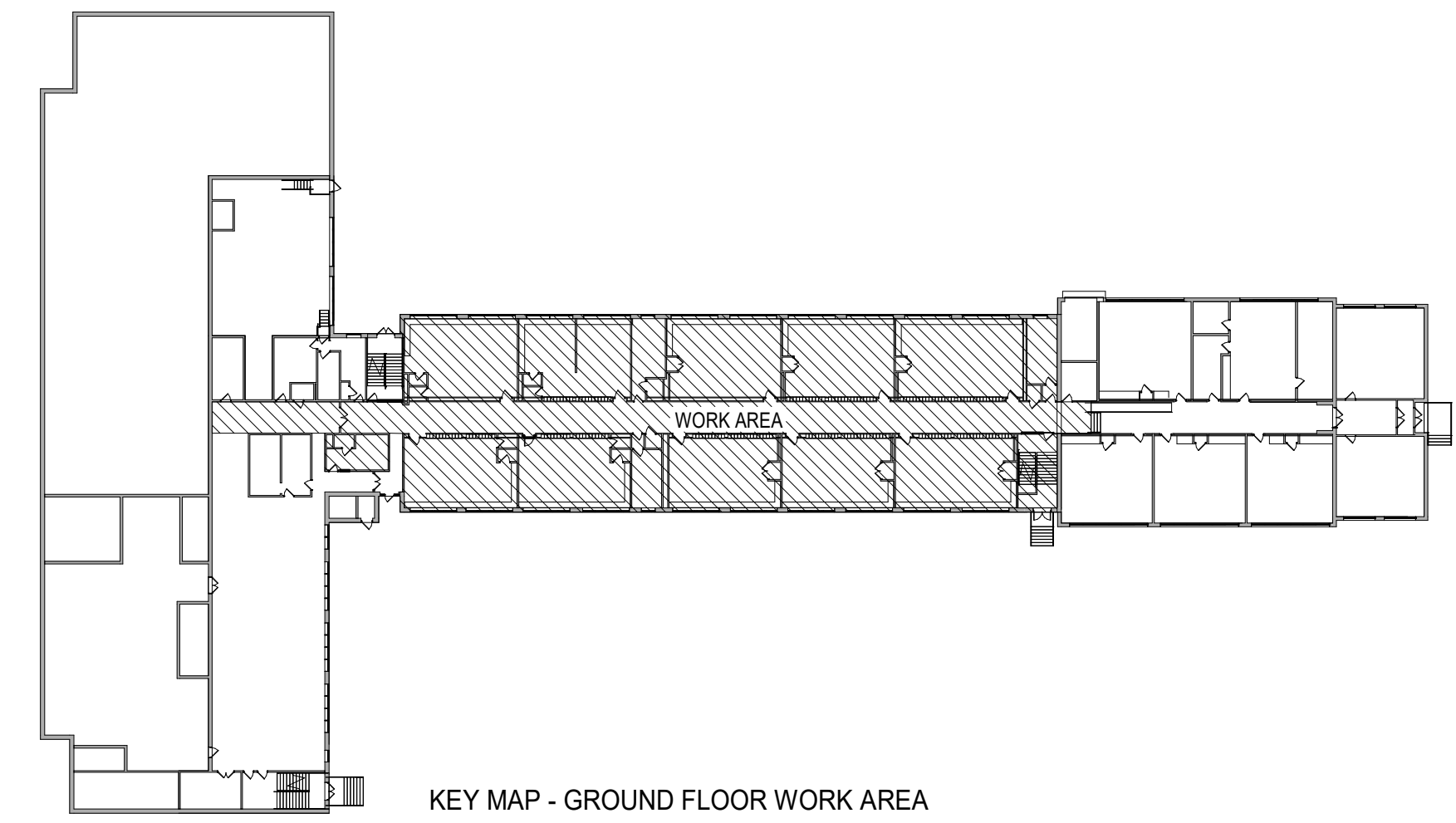
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KEY NOTES

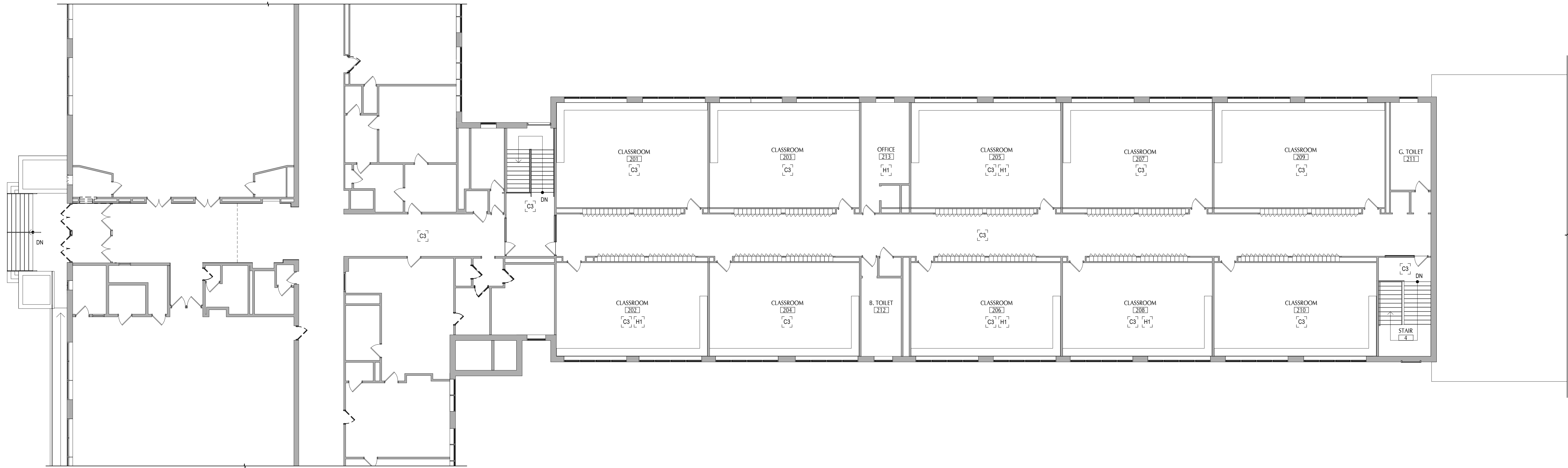
- C3 REMOVE EXISTING PLASTER CEILING, IN ITS ENTIRETY, INCLUDING ALL BLOOMINGS AND FASTENERS. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR EQUIPMENT REMOVALS.
- H1 REMOVE ASBESTOS-CONTAINING BROWN/BLACK COVE BASE MASTIC ASSOCIATED WITH 6" BLACK COVE BASE.
- H2 REMOVE ASBESTOS-CONTAINING 9" X 9" GREEN FLOOR TILES AND ASSOCIATED BLACK MASTIC.



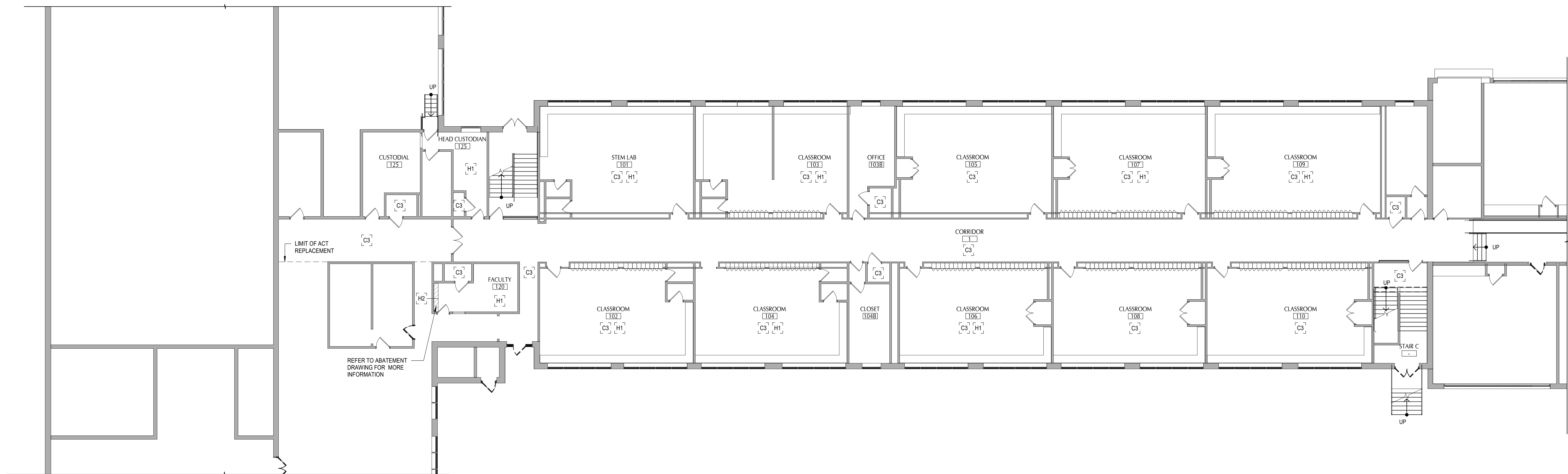
KEY MAP - FIRST FLOOR WORK AREA



KEY MAP - GROUND FLOOR WORK AREA



DEMOLITION PART PLAN - FIRST FLOOR  
3/32" = 1'-0"



DEMOLITION PART PLAN - GROUND FLOOR  
3/32" = 1'-0"

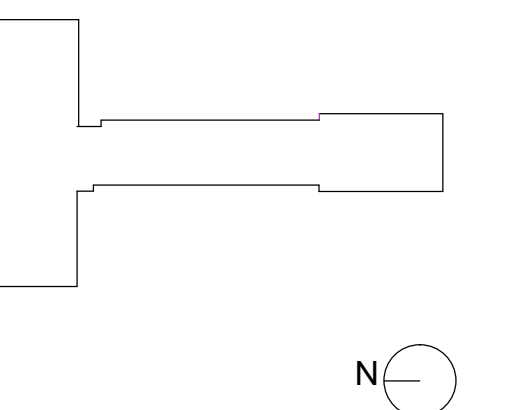
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BID SET 12/18/2023  
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KEY PLAN



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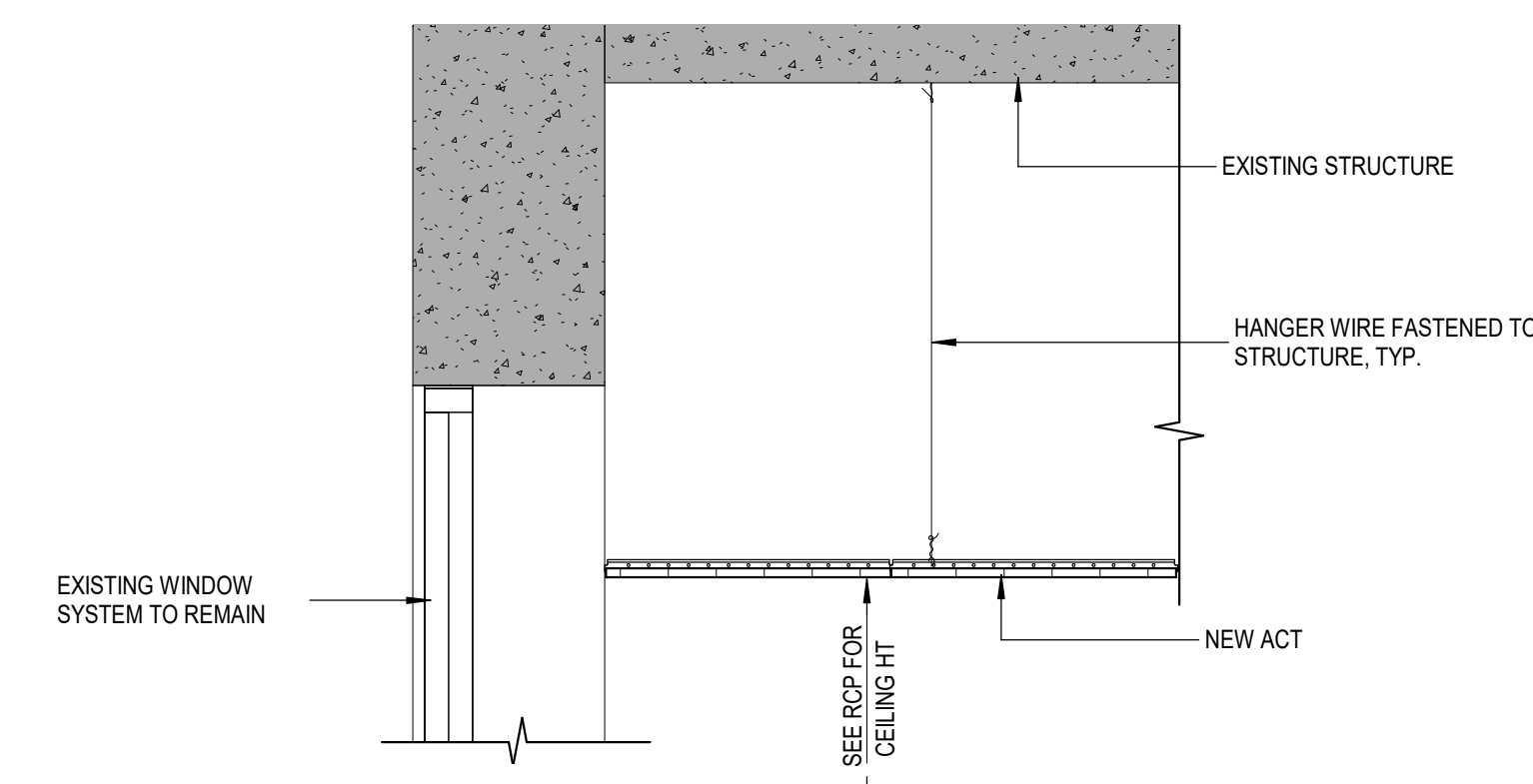
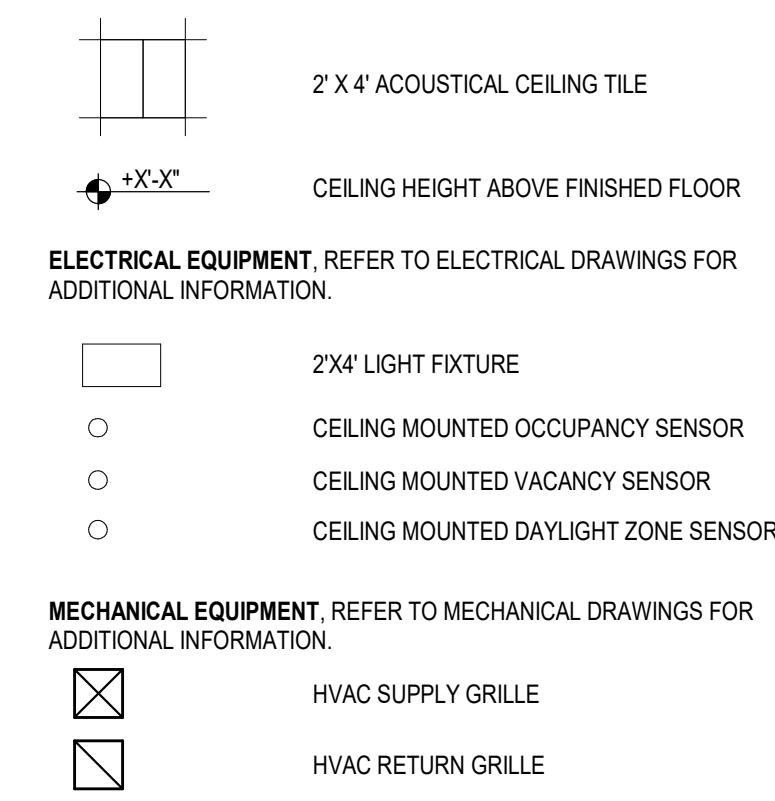
DEMOLITION PART PLAN - GROUND AND FIRST FLOOR

**SHEET NOTES**

**KEY NOTES**

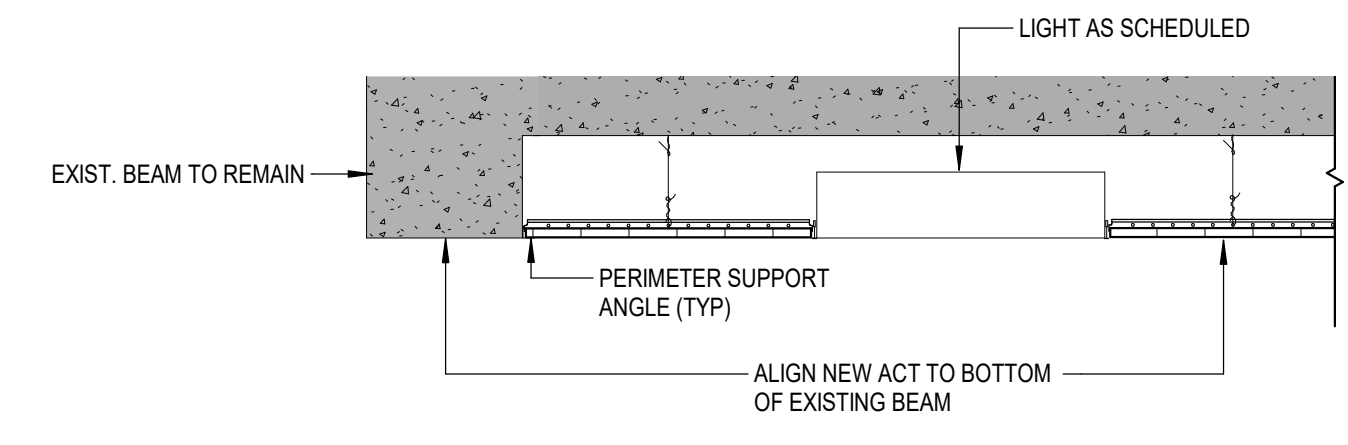
**CEILING LEGEND**

- A. PROVIDE 6 INCHES WALL BASE WHERE IT WAS REMOVED FOR ABATEMENT. TYP.
- B. INSTALL NEW ACOUSTIC CEILING SYSTEM WHERE REMOVED BY ABATEMENT AND INDICATED ON SHEET.
- C. EXISTING WALL CLOCK TO BE MOVED 4" BELOW NEW ACT CEILING IN SAME LOCATION. TYP.
- D. REFER TO MEP DRAWINGS FOR DETAILED SCOPE OF WORK. MEP EQUIPMENT /FIXTURES SHOWN IN ARCHITECTURAL DRAWING ARE FOR REFERENCE ONLY.



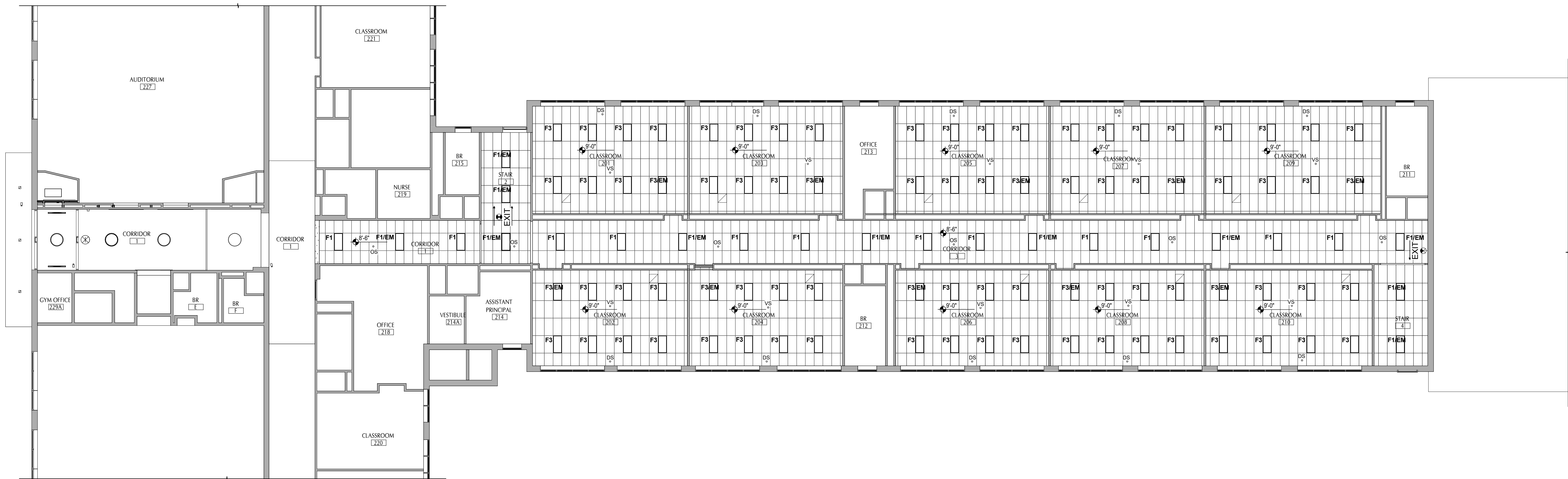
**CEILING DETAIL**  
3/4" = 1'-0"

31



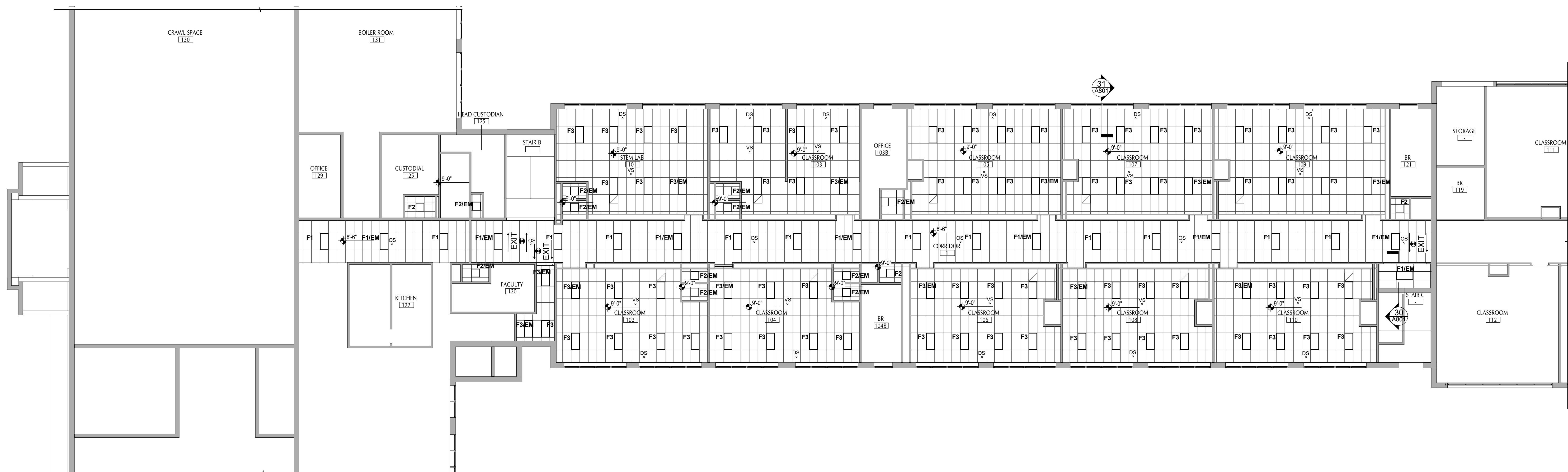
**SOFFIT DETAIL**  
3/4" = 1'-0"

30



**REFLECTED CEILING PART PLAN - FIRST FLOOR**  
3/32" = 1'-0"

20



**REFLECTED CEILING PART PLAN - GROUND FLOOR**  
3/32" = 1'-0"

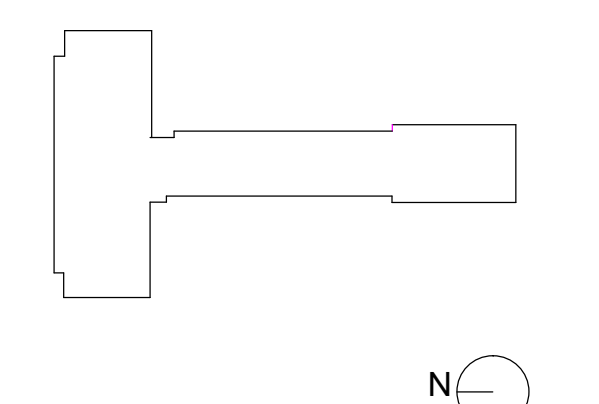
10

EXPIRATION DATE: 2/29/2024

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BID SET 12/18/2023  
ISSUE DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-001-023  
MEMASI PROJECT NO. 102-2301

**REFLECTED CEILING PART PLAN - GROUND AND FIRST FLOOR**

**AH A801**

**FINISH NOTE**

MANUFACTURER'S NAMES AND FINISH INFORMATION ARE INDICATED AS REFERENCE TO THE ARCHITECT'S BASIS-OF-DESIGN SELECTIONS AND HAVE BEEN DETERMINED PRIOR TO BID. THE CONTRACTOR AND OWNER ARE HEREBY NOTIFIED THAT FINISHES INSTALLED IN THE WORK ARE SUBJECT TO CHANGE IN RESPONSE TO SUBMITTALS, CONFIRMED SELECTIONS, PRODUCT AVAILABILITY AND THE SUBSEQUENT COORDINATION OF FINISHES BY ARCHITECT AND MAY DIFFER FROM PRODUCTS LISTED HEREIN.

**FINISH LEGEND**

WALL FINISH	INTERIOR FINISH TAG, REFER TO DETAILS AND ROOM FINISH SCHEDULE
BASE FINISH	
FLOOR FINISH	
CEILING FINISH	

**ABBREVIATIONS**

ACT	ACOUSTICAL CEILING TILE
LVT	LUXURY VINYL TILE
PT	PORCELAIN TILE
PNT	PAINT
RB	RUBBER WALL BASE

SCHEDULE OF FINISH MATERIALS						
TAG	MATERIAL	MANUFACTURER	STYLE / TYPE	COLOR	SIZE	NOTES
ACT-1	ACT CEILING	CERTAIN TEED	SAND MICRO	WHITE	48" x 24"	
ACT-2	ACT CEILING	CERTAIN TEED	SAND MICRO	WHITE	24" x 24"	
RB	RUBBER BASE	ROPPE	MATCH EXISTING	MATCH EXISTING	6"	
LVT / PT	LUXURY VINYL	ARMSTRONG	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	
PNT	PAINT	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	

ROOM FINISH SCHEDULE								
ROOM NUMBER	ROOM NAME	FLOOR			WALL FINISH	ACCENT WALL	CEILING	COMMENTS
		FINISH	BASE					
-	STAIR C					ACT-2		
1A	CLOSET					ACT-1		
2	STAIR					ACT-2		
3	CORRIDOR					ACT-2		
4	STAIR					ACT-2		
101	STEM LAB	ETR TERR	RB			ACT-2		
101A	TOILET					ACT-1		
101B	TOILET					ACT-1		
102	CLASSROOM		RB			ACT-2		
102A	TOILET					ACT-1		
102B	TOILET					ACT-1		
103	CLASSROOM		RB			ACT-2		
103A	TOILET					ACT-1		
103C	TOILET					ACT-1		
103D	TOILET					ACT-1		
104	CLASSROOM		RB			ACT-2		
104A	TOILET					ACT-1		
104B	CLOSET					ACT-1		
104C	TOILET					ACT-1		
105	CLASSROOM					ACT-2		
106	CLASSROOM		RB			ACT-2		
107	CLASSROOM		RB			ACT-2		
108	CLASSROOM					ACT-2		
109	CLASSROOM		RB			ACT-2		
110	CLASSROOM					ACT-2		
120	FACULTY	LVT	RB			----		
120A	TOILET					ACT-1		
125A	CUSTODIAL CLOSET					ACT-1		
135A	HEAD CUSTODIAN CLOSET					ACT-2		
201	CLASSROOM		RB			ACT-2		
202	CLASSROOM					ACT-2		
203	CLASSROOM					ACT-2		
204	CLASSROOM					ACT-2		
205	CLASSROOM		RB			ACT-2		
206	CLASSROOM		RB			ACT-2		
207	CLASSROOM					ACT-2		
208	CLASSROOM		RB			ACT-2		
209	CLASSROOM					ACT-2		
210	CLASSROOM					ACT-2		

**EASTCHESTER UNION FREE SCHOOL DISTRICT**

2022 CAPITAL PROJECT PHASE 3

ANNE HUTCHINSON ELEMENTARY SCHOOL

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STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT

WSP  
ONE PENN PLAZA  
250 W 34TH ST., 4TH FLOOR  
NEW YORK, NY 10014

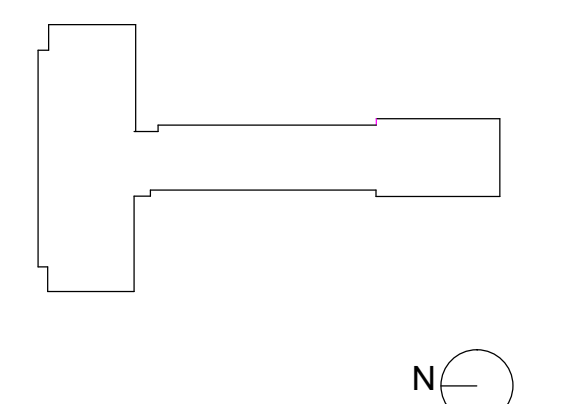
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BID SET 12/18/2023  
ISSUE DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-001-023  
MEMASI PROJECT NO. 102-2301

**FIRST FLOOR FINISH PLAN**

**AH AF100**



MECHANICAL GENERAL NOTES
1. THESE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND ARE INTENDED TO CONVEY THE SCOPE OF WORK AS WELL AS INDICATE GENERAL ARRANGEMENT OF EQUIPMENT, DUCTWORK AND PIPING...

MECHANICAL GENERAL NOTES (CONT.)
23. GENERAL NOTES, SYMBOLS, ABBREVIATIONS, AND DETAILS ARE APPLICABLE TO ALL HVAC/MECHANICAL DRAWINGS.
24. RELOCATE EXISTING WORK THAT INTERFERES WITH WORK OF THIS CONTRACT.

MECHANICAL DEMOLITION GENERAL NOTES
1. DEMOLITION NOTES, SYMBOL LIST, AND DETAILS ARE APPLICABLE TO ALL HVAC/MECHANICAL DRAWINGS.
2. ALL PIPING IN WALLS AND FLOORS NOT TO BE REUSED WILL BE PLUGGED OR CAPPED, AND CUTTING AND PATCHING WILL BE PERFORMED TO RESTORE SURFACE TO ORIGINAL CONDITION BY THIS CONTRACTOR.

Table with 2 columns: Item, Date. Includes rows for BID SET (12/18/2023) and ISSUE.

KEY PLAN

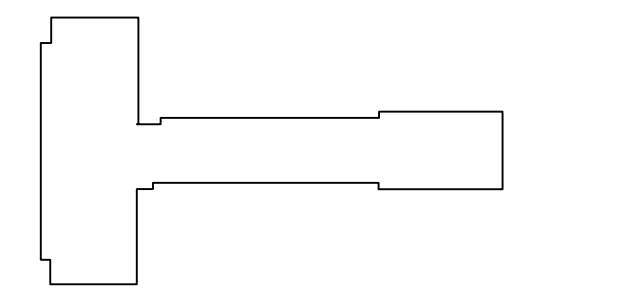


Table with 2 columns: PROJECT NO. (66-03-01-03-0-001-023) and MEMASI PROJECT NO. (102-2301)

MECHANICAL GENERAL NOTES

**GENERAL NOTES — DUCTWORK:**

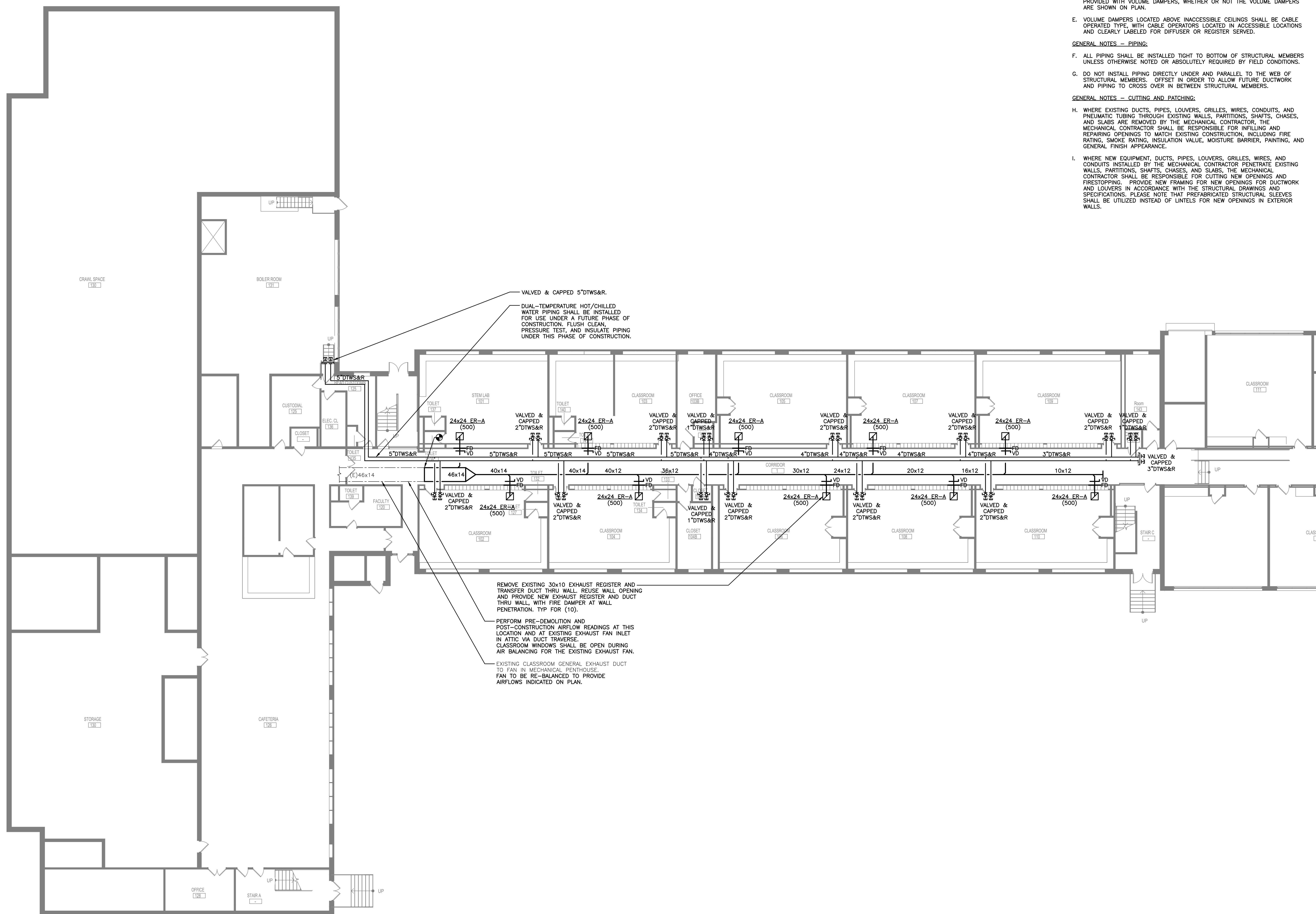
- A. BRANCH DUCTS TO INDIVIDUAL DIFFUSERS AND REGISTERS SHALL BE THE SAME SIZE AS THE DIFFUSER OR REGISTER NECK, UNLESS OTHERWISE NOTED.
- B. ALL DUCTWORK SHALL BE INSTALLED TIGHT TO BOTTOM OF STRUCTURAL MEMBERS UNLESS OTHERWISE NOTED OR ABSOLUTELY REQUIRED BY FIELD CONDITIONS.
- C. DO NOT INSTALL DUCTWORK DIRECTLY UNDER AND PARALLEL TO THE WEB OF STRUCTURAL MEMBERS. OFFSET IN ORDER TO ALLOW FUTURE DUCTWORK AND PIPING TO CROSS OVER IN BETWEEN STRUCTURAL MEMBERS.
- D. BRANCH DUCTS TO INDIVIDUAL DIFFUSERS AND REGISTERS SHALL BE PROVIDED WITH VOLUME DAMPERS, WHETHER OR NOT THE VOLUME DAMPERS ARE SHOWN ON PLAN.
- E. VOLUME DAMPERS LOCATED ABOVE INACCESSIBLE CEILINGS SHALL BE CABLE OPERATED TYPE, WITH CABLE OPERATORS LOCATED IN ACCESSIBLE LOCATIONS AND CLEARLY LABELED FOR DIFFUSER OR REGISTER SERVED.

**GENERAL NOTES — PIPING:**

- F. ALL PIPING SHALL BE INSTALLED TIGHT TO BOTTOM OF STRUCTURAL MEMBERS UNLESS OTHERWISE NOTED OR ABSOLUTELY REQUIRED BY FIELD CONDITIONS.
- G. DO NOT INSTALL PIPING DIRECTLY UNDER AND PARALLEL TO THE WEB OF STRUCTURAL MEMBERS. OFFSET IN ORDER TO ALLOW FUTURE DUCTWORK AND PIPING TO CROSS OVER IN BETWEEN STRUCTURAL MEMBERS.

**GENERAL NOTES — CUTTING AND PATCHING:**

- H. WHERE EXISTING DUCTS, PIPES, LOUVERS, GRILLES, WIRES, CONDUITS, AND PNEUMATIC TUBING THROUGH EXISTING WALLS, PARTITIONS, SHAFTS, CHASES, AND SLABS ARE REMOVED BY THE MECHANICAL CONTRACTOR, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR INFILLING AND REPAIRING OPENINGS TO MATCH EXISTING CONSTRUCTION, INCLUDING FIRE RATING, SMOKE RATING, INSULATION VALUE, MOISTURE BARRIER, PAINTING, AND GENERAL FINISH APPEARANCE.
- I. WHERE NEW EQUIPMENT, DUCTS, PIPES, LOUVERS, GRILLES, WIRES, AND CONDUITS INSTALLED BY THE MECHANICAL CONTRACTOR PENETRATE EXISTING WALLS, PARTITIONS, SHAFTS, CHASES, AND SLABS, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING NEW OPENINGS AND FIRESTOPPING. PROVIDE NEW FRAMING FOR NEW OPENINGS FOR DUCTWORK AND LOUVERS IN ACCORDANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. PLEASE NOTE THAT PREFABRICATED STRUCTURAL SLEEVES SHALL BE UTILIZED INSTEAD OF LINTELS FOR NEW OPENINGS IN EXTERIOR WALLS.



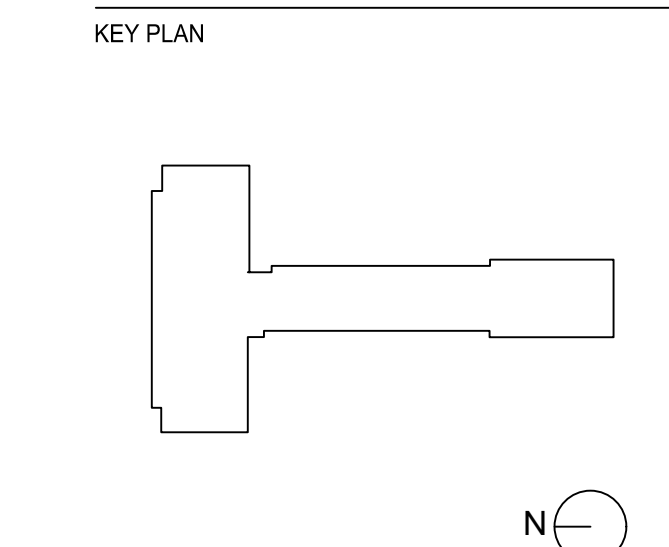
VALVED & CAPPED 5" DTWS&R.  
DUAL-TEMPERATURE HOT/CHILLED WATER PIPING SHALL BE INSTALLED FOR USE UNDER A FUTURE PHASE OF CONSTRUCTION. FLUSH CLEAN, PRESSURE TEST, AND INSULATE PIPING UNDER THIS PHASE OF CONSTRUCTION.

REMOVE EXISTING 30x10 EXHAUST REGISTER AND TRANSFER DUCT THRU WALL. REUSE WALL OPENING AND PROVIDE NEW EXHAUST REGISTER AND DUCT THRU WALL WITH FIRE DAMPER AT WALL PENETRATION. TYP FOR (10).

PERFORM PRE-DEMOLITION AND POST-CONSTRUCTION AIRFLOW READINGS AT THIS LOCATION AND AT EXISTING EXHAUST FAN INLET IN ATTIC VIA DUCT TRAVERSE. CLASSROOM WINDOWS SHALL BE OPEN DURING AIR BALANCING FOR THE EXISTING EXHAUST FAN.

EXISTING CLASSROOM GENERAL EXHAUST DUCT TO FAN IN MECHANICAL PENTHOUSE. FAN TO BE RE-BALANCED TO PROVIDE AIRFLOWS INDICATED ON PLAN.

BID SET	12/18/2023
ISSUE	DATE



PROJECT NO. 66-03-01-03-0-001-023  
MEMASI PROJECT NO. 102-2301  
**MECHANICAL PLAN -  
GROUND FLOOR**

MECHANICAL PLAN - GROUND FLOOR  
3/32" = 1'-0"







# EASTCHESTER UNION FREE SCHOOL DISTRICT

## 2022 CAPITAL PROJECT PHASE 3

### ANNE HUTCHINSON ELEMENTARY SCHOOL

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HAZARDOUS MATERIALS CONSULTANT  
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250 W 54TH ST., 4TH FLOOR  
NEW YORK, NY 10014

ELECTRICAL SYMBOL LIST	
(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)	
SYMBOL	DESCRIPTION
	20A, 125V DECORA STYLE DUPLEX RECEPTACLE - FLUSH WALL MOUNTED
	20A, 125V DECORA STYLE QUADRUPLEX RECEPTACLE - FLUSH WALL MOUNTED
	20A, 125V DECORA STYLE GFCI TYPE DUPLEX RECEPTACLE - FLUSH WALL MOUNTED
	20A, 125V GFCI TYPE WEATHER RESISTANT DUPLEX RECEPTACLE IN WEATHER PROOF ENCLOSURE
	20A, 125V DECORA STYLE DUPLEX RECEPTACLE - CEILING MOUNTED
	SPECIAL PURPOSE RECEPTACLE - FLUSH WALL MOUNTED
	DATA OUTLET WITH 1 1/4"E.C. UP TO CEILING. TURN 90° AND STUB AND BUSH 6" INTO ACCESSIBLE CEILING
	CEILING MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
	FLUSH WALL MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
	FLUSH FLOOR MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
	UNFUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH - 100 AMP SWITCH, 60 AMP FUSE, UNFUSED (EXCEPT WHERE FUSE SIZE IS INDICATED) 3-POLE (EXCEPT WHERE NOTED)
	COMBINATION MOTOR CONTROLLER AND DISCONNECT SWITCH FURNISHED BY MECHANICAL CONTRACTOR INSTALLED BY ELECTRICAL CONTRACTOR. COOR. LOCATION W/MECH. CONT.
	CIRCUIT BREAKER 100A FRAME/60A TRIP, 3 POLE, U.O.N. ST - SHUNT TRIP
	VARIABLE FREQUENCY DRIVE (VFD), FURNISHED BY MECHANICAL CONTRACTOR INSTALLED BY ELECTRICAL CONTRACTOR. COORD. LOCATION WITH MECH. CONTRACTOR
	MOTOR
	PULLBOX, SIZED PER NEC
	DRY TYPE 480-208V TRANSFORMER DELTA-WYE WITH GROUNDED SECONDARY SIDE, UON.
	FLUSH MOUNTED PANELBOARD
	SURFACE MOUNTED PANELBOARD
	GROUND BAR
	2#12+1#12G-3/4" FOR ONE CKT. HOMERUN, U.O.N.
	4#12+1#12G-3/4" FOR TWO CKT. HOMERUN, U.O.N.
	6#12+1#12G-3/4" FOR THREE CKT. HOMERUN, U.O.N.
	3#12+1#12G-3/4" HOMERUN, U.O.N.
	CONCEALED CONDUIT
	CONDUIT TURNING UP
	CAPPED CONDUIT
	FLEXIBLE EQUIPMENT CONNECTION
	GROUND CONNECTION
	MANUAL STARTER - TOGGLE TYPE WITH THERMAL ELEMENT - 250V HP RATED, FURNISHED BY ELEC CONTRACTOR
	SECURITY DEVICE REPEATER

LIGHTING CONTROL SYMBOL LIST	
(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)	
SYMBOL	DESCRIPTION
	SINGLE POLE LINE VOLTAGE SWITCH
	KEY ACTIVATED LINE VOLTAGE SWITCH
	DUAL TECHNOLOGY OCCUPANCY SENSOR, WALL MTD.
	DUAL TECHNOLOGY VACANCY SENSOR, CEILING MTD.
	LOW VOLTAGE LIGHTING CONTROL MASTER LIGHTING CONTROL WALL STATION
	LOW VOLTAGE LIGHTING CONTROL LOCAL LIGHTING CONTROL WALL STATION (OR DENOTES VACANCY SENSOR OVERRIDE, *K DENOTES KEY SWITCH)
	EXTERIOR LIGHTING PHOTOCELL
	INTERIOR DAYLIGHT ZONE SENSOR
	ROOM CONTROLLER (LOWER CASE LETTER DENOTES CONTROL ZONES). REFER TO LIGHTING CONTROL DETAILS
	LOW VOLTAGE LIGHTING CONTROL LOCAL LIGHTING CONTROL WALL STATION WITH VACANCY VACANCY SENSOR OVERRIDE AND ZONE DIMMING

FIRE ALARM SYMBOL LIST	
(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)	
SYMBOL	DESCRIPTION
	CEILING MOUNTED ADDRESSABLE SMOKE DETECTOR
	DUCT SMOKE DETECTOR
	COMBINATION FIRE ALARM BELLSTROBE LIGHT UNIT - FLUSH WALL MOUNTED (WITH ADJUSTABLE CANDELA RATING)
	FIRE ALARM PULL STATION
	FIRE ALARM RELAY
	FIRE ALARM REMOTE ANNUNCIATOR PANEL
	FIRE ALARM STROBE LIGHT

ELECTRICAL ABBREVIATIONS			
(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)			
A	AMPERE	KCM	THOUSAND CIRCULAR MILS
AC	ABOVE COUNTER	KV	KILOVOLT
AFF	ABOVE FINISHED FLOOR	KVA	KILOVOLT AMPERE
AHJ	AUTHORITY HAVING JURISDICTION	KW	KILOWATT
AIC	AMP INTERRUPTING CAPACITY	KWH	KILOWATT HOUR
ATS	AUTOMATIC TRANSFER SWITCH	LTG	LIGHTING
AUTO	AUTOMATIC	MAX	MAXIMUM
AWG	AMERICAN WIRE GAUGE	MCB	MAIN CIRCUIT BREAKER
BLDG	BUILDING	MCC	MOTOR CONTROL CENTER
C	CONDUIT	MIN	MINIMUM
CB	CIRCUIT BREAKER	MTD	MOUNTED
CCTV	CLOSED CIRCUIT TELEVISION	N	NEUTRAL
CKT	CIRCUIT	NIC	NOT IN CONTRACT
CO	CARBON MONOXIDE	NTS	NOT TO SCALE
COMM	COMMUNICATION	OC	ON CENTER
CT	CURRENT TRANSFORMER	P	POLE
CU	COPPER	Ø or PH	PHASE
DEG	DEGREE	PNL	PANEL
DGP	DATA GATHERING PANEL	PWR	POWER
DISC	DISCONNECT	R	RELOCATED
DN	DOWN	RECEPT	RECEPTACLE
DWG	DRAWING	TEL	TELEPHONE
E/EX	EXISTING TO REMAIN	TOS	TOP OF SHAFT
EC	ELECTRICAL CONTRACTOR	TV	TELEVISION
EM	EMERGENCY	TYP	TYPICAL
ER	EXISTING TO BE REMOVED	UON	UNLESS OTHERWISE NOTED
ERR	EXISTING TO BE REMOVED AND RELOCATED	V	VOLT OR VOLTAGE
FA	FIRE ALARM	VA	VOLT AMPERE
FACP	FIRE ALARM CONTROL PANEL	VIF	VERIFY IN FIELD
FL	FLOOR	W	WATT
FT	FEET OR FOOT	WP	WEATHERPROOF
GRD	GROUND	WT	WATERTIGHT
GFI	GROUND FAULT INTERRUPTER	XP	EXPLOSION PROOF
HID	HIGH INTENSITY DISCHARGE		
HP	HORSE POWER		
HZ	HERTZ		
JB	JUNCTION BOX		

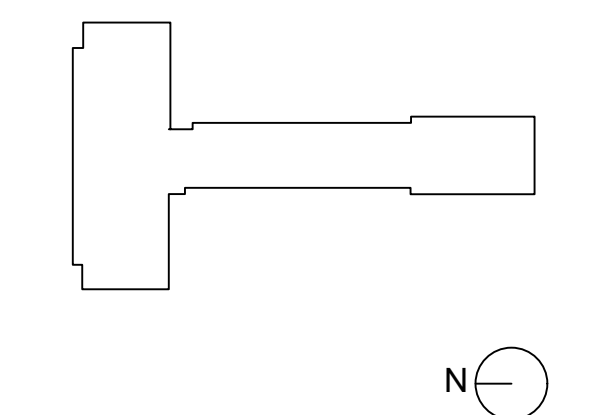
NEW YORK STATE CODES & STANDARDS	
<ul style="list-style-type: none"> <li>2020 BUILDING CODE OF NEW YORK STATE</li> <li>2020 FIRE CODE OF NEW YORK STATE</li> <li>2020 PLUMBING CODE OF NEW YORK STATE</li> <li>2020 MECHANICAL CODE OF NEW YORK STATE</li> <li>2020 FUEL GAS CODE OF NEW YORK STATE</li> <li>2020 NYS UNIFORM CODE SUPPLEMENT</li> <li>NYS EDUCATION DEPARTMENT 2022 MANUAL OF PLANNING STANDARDS</li> </ul>	
NEW YORK STATE ENERGY CODES	
<ul style="list-style-type: none"> <li>2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE</li> <li>2016 ASHRAE 90.1</li> </ul>	
REFERENCED STANDARDS	
<p>APPLICABLE REFERENCE STANDARDS SHALL BE AS REFERENCED BY ALL STATE CODES. THE LIST BELOW IS FOR QUICK REFERENCE AND DOES NOT INCLUDE ALL APPLICABLE REFERENCE STANDARDS.</p> <ul style="list-style-type: none"> <li>2016 NFPA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS</li> <li>2016 NFPA 14 - STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS</li> <li>2016 NFPA 20 - STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION</li> <li>2017 NFPA 70 - NATIONAL ELECTRICAL CODE</li> <li>2016 NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE</li> </ul>	

ELECTRICAL DRAWING LIST	
Sheet	Sheet Title
AH E001	ELECTRICAL COVER SHEET
AH E002	ELECTRICAL GENERAL NOTES
AH ED100	ELECTRICAL DEMOLITION PLAN - GROUND FLOOR
AH ED101	ELECTRICAL DEMOLITION PLAN - FIRST FLOOR
AH E200	ELECTRICAL LIGHTING PLAN - GROUND FLOOR
AH E201	ELECTRICAL LIGHTING PLAN - FIRST FLOOR
AH E501	ELECTRICAL LIGHTING CONTROLS
AH E601	ELECTRICAL PANEL SCHEDULES

LIGHTING FIXTURE SCHEDULE					
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	WATTAGE / CCT / LUMENS / CRI / VOLTS	NOTES
F1	2X4 FLAT PANEL	METALUX	24FP4735C	41 / 3500K / 4591 / 80 UNV	EL14W EM PACK WHERE INDICATED
F2	2X2 FLAT PANEL	METALUX	22FP3235C	29 / 3500K / 3307 / 80 UNV	EL14W EM PACK WHERE INDICATED
F3	2X4 TROFFER	LITHONIA	ENVX 2X4 HRG 6000LM 80CRI 35K MN1 EZT MVOLT	50 / 3500K / 6000 / 80 UNV	EL15WLCM EM PACK WHERE INDICATED
X1	LED EDGE-LIT EXIT SIGN	LITHONIA	LRP 1/2 RC/RMR 120/277 EL N	2W UNV	SHIP WITH ALL MOUNTING OPTIONS AND DIRECTIONAL INDICATORS

BID SET	DATE
12/18/2023	

#### KEY PLAN



PROJECT NO.	66-03-01-03-0-001-023
MEMASH PROJECT NO.	102-2301

## ELECTRICAL COVER SHEET

### AH E001

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ELECTRICAL GENERAL NOTES
1. ALL WORK SHALL COMPLY WITH REQUIREMENTS OF THE NATIONAL ELECTRIC CODE, BUILDING DEPARTMENT, BUILDING MANAGEMENT, ALL AUTHORITIES HAVING JURISDICTION, AND APPLICABLE NATIONAL, STATE, AND LOCAL CODES.

ELECTRICAL LIGHTING NOTES
A. FOR EXACT ELEVATION, LOCATION, QUANTITY AND SPECIFICATIONS OF LIGHTING FIXTURES AND SWITCHES REFER TO ARCHITECTURAL DRAWINGS AND COORDINATE WITH ARCHITECT IN THE FIELD.

ELECTRICAL DEMOLITION NOTES
1. GENERAL
1.1. SEE HVAC DRAWINGS FOR HVAC EQUIPMENT TO BE REMOVED. REMOVE ALL ASSOCIATED CONDUIT, WIRE, SWITCHES, BOXES ASSOCIATED WITH EQUIPMENT TO BE REMOVED.

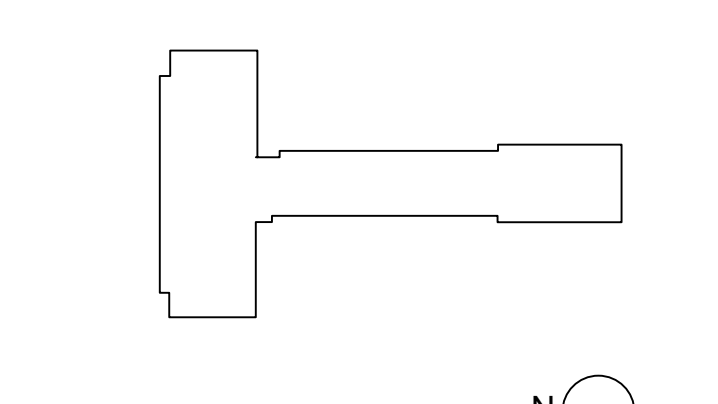
ELECTRICAL POWER NOTES
A. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL DRAWINGS AND ARCHITECT IN FIELD FOR EXACT LOCATION, QUANTITY AND ELEVATION OF POWER AND TELEPHONE/DATA OUTLETS PRIOR TO INSTALLATION.

FIRE ALARM COORDINATION NOTES
1. ALL FIRE ALARM WORK SHALL BE UNDER THE ELECTRICAL CONTRACT.

TELECOM/AUDIO VISUAL COORDINATION NOTES
1. ELECTRICAL CONTRACTOR SHALL REFER TO THE TELECOMMUNICATIONS, AUDIO/VISUAL, SECURITY, AND OTHER LOW VOLTAGE SYSTEMS DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS ASSOCIATED WITH WORK UNDER THE ELECTRICAL CONTRACT.

Table with 2 columns: BID SET ISSUE, DATE. Row 1: 12/18/2023, DATE.

KEY PLAN















PANEL DESIGNATION : **UP-1-1**

VOLTAGE: **208Y/120 V** NEUTRAL: **100%** QUANTITY OF POLES: **30**  
 PHASE: **3 Ø** SCC RATING (SYM): **22 K.A.I.C.** MAIN LUGS ONLY: **200 A**  
 WIRE: **4 W + G** MAIN BUS: **200 A**

EXISTING PANEL:  NEMA 1 ENCLOSURE:  GROUND BUS:   
 FEED THROUGH LUGS:  SURFACE (S) / RECESSED (R):

REMARKS : REPLACE EXISTING FUSE PANEL. MATCH CIRCUIT BREAKER RATING TO EXISTING FUSE RATINGS

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	20A	EXISTING LOAD	0			EXISTING LOAD	20A	2
3	20A	EXISTING LOAD		0		EXISTING LOAD	20A	4
5	20A	EXISTING LOAD			0	EXISTING LOAD	20A	6
7	20A	EXISTING LOAD	0			EXISTING LOAD	20A	8
9	20A	EXISTING LOAD		0		EXISTING LOAD	20A	10
11	20A	EXISTING LOAD			0	EXISTING LOAD	20A	12
13	20A	EXISTING LOAD	0			EXISTING LOAD	20A	14
15	20A	EXISTING LOAD		0		EXISTING LOAD	20A	16
17	20A	EXISTING LOAD			0	EXISTING LOAD	20A	18
19	20A	EXISTING LOAD	0			EXISTING LOAD	20A	20
21	20A	EXISTING LOAD		0		EXISTING LOAD	20A	22
23	20A	EXISTING LOAD			0	EXISTING LOAD	20A	24
25	20A	EXISTING LOAD	0			EXISTING LOAD	20A	26
27	20A	EXISTING LOAD		0		EXISTING LOAD	20A	28
29	20A	EXISTING LOAD			0	EXISTING LOAD	20A	30

PANEL DESIGNATION : **UP-1-2**

VOLTAGE: **208Y/120 V** NEUTRAL: **100%** QUANTITY OF POLES: **36**  
 PHASE: **3 Ø** SCC RATING (SYM): **22 K.A.I.C.** MAIN LUGS ONLY: **100 A**  
 WIRE: **4 W + G** MAIN BUS: **100 A**

EXISTING PANEL:  NEMA 1 ENCLOSURE:  GROUND BUS:   
 FEED THROUGH LUGS:  SURFACE (S) / RECESSED (R):

REMARKS : REPLACE EXISTING FUSE PANEL. MATCH CIRCUIT BREAKER RATING TO EXISTING FUSE RATINGS

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	20A	EXISTING LOAD	0			EXISTING LOAD	20A	2
3	20A	EXISTING LOAD		0		EXISTING LOAD	20A	4
5	20A	EXISTING LOAD			0	EXISTING LOAD	20A	6
7	20A	EXISTING LOAD	0			EXISTING LOAD	20A	8
9	20A	EXISTING LOAD		0		EXISTING LOAD	20A	10
11	20A	EXISTING LOAD			0	EXISTING LOAD	20A	12
13	20A	EXISTING LOAD	0			EXISTING LOAD	20A	14
15	20A	EXISTING LOAD		0		EXISTING LOAD	20A	16
17	20A	EXISTING LOAD			0	EXISTING LOAD	20A	18
19	20A	EXISTING LOAD	0			EXISTING LOAD	20A	20
21	20A	EXISTING LOAD		0		EXISTING LOAD	20A	22
23	20A	EXISTING LOAD			0	EXISTING LOAD	20A	24
25	20A	EXISTING LOAD	0			EXISTING LOAD	20A	26
27	20A	EXISTING LOAD		0		EXISTING LOAD	20A	28
29	20A	EXISTING LOAD			0	EXISTING LOAD	20A	30
31	20A	EXISTING LOAD	0			EXISTING LOAD	20A	32
33	20A	EXISTING LOAD		0		EXISTING LOAD	20A	34
35	20A	EXISTING LOAD			0	EXISTING LOAD	20A	36

PANEL DESIGNATION : **UP-2-1**

VOLTAGE: **208Y/120 V** NEUTRAL: **100%** QUANTITY OF POLES: **30**  
 PHASE: **3 Ø** SCC RATING (SYM): **22 K.A.I.C.** MAIN LUGS ONLY: **200 A**  
 WIRE: **4 W + G** MAIN BUS: **200 A**

EXISTING PANEL:  NEMA 1 ENCLOSURE:  GROUND BUS:   
 FEED THROUGH LUGS:  SURFACE (S) / RECESSED (R):

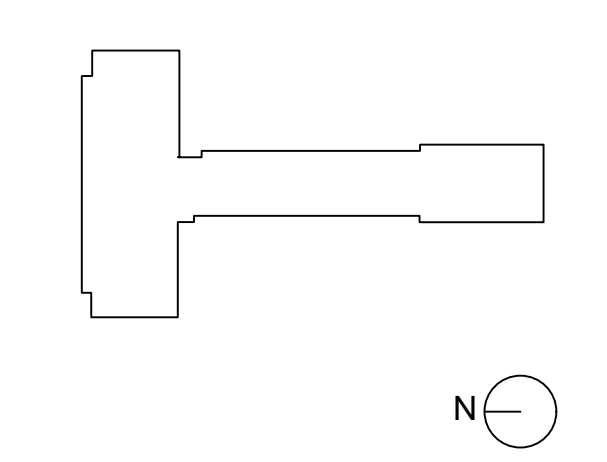
REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	20A	EXISTING LOAD	0			EXISTING LOAD	20A	2
3	20A	EXISTING LOAD		0		EXISTING LOAD	20A	4
5	20A	EXISTING LOAD			0	EXISTING LOAD	20A	6
7	20A	EXISTING LOAD	0			EXISTING LOAD	20A	8
9	20A	EXISTING LOAD		0		EXISTING LOAD	20A	10
11	20A	EXISTING LOAD			0	EXISTING LOAD	20A	12
13	20A	EXISTING LOAD	0			EXISTING LOAD	20A	14
15	20A	EXISTING LOAD		0		EXISTING LOAD	20A	16
17	20A	EXISTING LOAD			0	EXISTING LOAD	20A	18
19	20A	EXISTING LOAD	0			EXISTING LOAD	20A	20
21	20A	EXISTING LOAD		0		EXISTING LOAD	20A	22
23	20A	EXISTING LOAD			0	EXISTING LOAD	20A	24
25	20A	EXISTING LOAD	0			EXISTING LOAD	20A	26
27	20A	EXISTING LOAD		0		EXISTING LOAD	20A	28
29	20A	EXISTING LOAD			0	EXISTING LOAD	20A	30

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BID SET 12/18/2023  
 ISSUE DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-001-023  
 MEMASI PROJECT NO. 102-2301

**ELECTRICAL PANEL SCHEDULES**

**AH E601**





