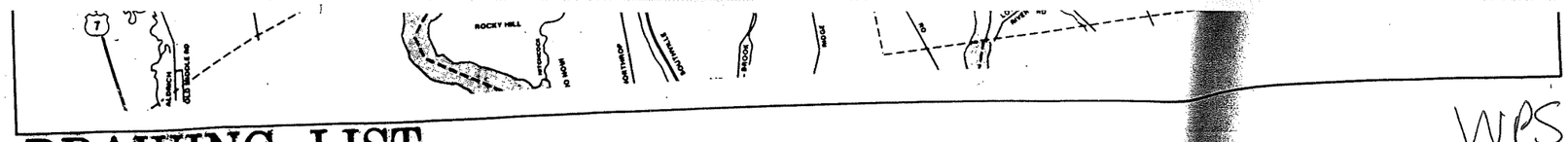


WPS 9/1/1988
Renovations
(INCOMPLETE)

DRAWING LIST

LANDSCAPE

L1	SITE DEMOLITION, LAYOUT, GRADING & PLANTING PLANS

ARCHITECTURAL

A1	BASEMENT PLAN
A2	FIRST FLOOR PLAN & CONSTRUCTION PHASING SCHEDULE
A3	SECOND FLOOR PLAN
A4	BASEMENT PLAN- SOUTHEAST
A5	FIRST FLOOR PLAN- NORTHWEST
A6	FIRST FLOOR PLAN- SOUTHEAST & MISC. ENTRANCE DETAILS
A7	SECOND FLOOR PLAN- NORTHWEST RAMP DETAILS
A8	SECOND FLOOR PLAN- SOUTHEAST RAILING ELEVATIONS & DETAILS
A9	REFLECTED CEILING PLANS- BASEMENT, FIRST FLOOR- SOUTHEAST and MISC. CEILING DETAILS
A10	REFLECTED CEILING PLANS- FIRST FLOOR- NORTHWEST SECOND FLOOR & CEILING SCHEDULE
A11	ENLARGED PLAN & ELEVATIONS- MUSIC ROOMS (Part. ALT.W3) TOILET PARTITION DETAILS
A12	ENLARGED PLANS & ELEVATIONS- KINDERGARTEN, TEACHER'S LOUNGE & TOILETS & ART ROOM (Part. ALT.W3)
A13	ENLARGED PLANS & ELEVATIONS- STAIR #1, ELEVATOR, RAMP, SPECIAL SERVICES & TOILETS
A14	ENLARGED PLANS & ELEVATIONS- MAIN OFFICES & H.C. TOILETS
A15	MISC. INTERIOR ELEVATIONS & DETAILS (Part. ALT.W3)
A16	MILLWORK DETAILS (Part. ALT.W3)
A17	STAIR #1, ELEVATOR & LOUVER DETAILS
A18	FINISH SCHEDULE & WALL TYPES (Missing)
A19	DOOR SCHEDULE
A20	DOOR SCHEDULE & DETAILS (ALT.W1)
A21	EXTERIOR ELEVATIONS (ALT.W1)
A22	ALTERNATE W1 - WINDOW DETAILS & DOOR ELEVATIONS

STRUCTURAL

S1	FOUNDATION & FRAMING PLANS, FOUNDATION SECTIONS
S2	ROOF FRAMING SECTIONS, EXTERIOR STAIR PLANS & SECTIONS
S3	BOILER ROOM PLAN & SECTIONS

PLUMBING

P1	BASEMENT PLUMBING PLAN
P2	FIRST FLOOR PLUMBING PLAN- NORTHWEST
P3	FIRST FLOOR PLUMBING PLAN- SOUTHEAST
P4	SECOND FLOOR PLUMBING PLAN- NORTHWEST

HVAC

H1	HVAC BASEMENT PLAN
H2	FIRST FLOOR HVAC PLAN- NORTHWEST
H3	FIRST FLOOR HVAC PLAN- SOUTHEAST
H4	SECOND FLOOR HVAC PLAN NORTHWEST/SOUTHEAST & FAN ROOM DEMOLITION PLAN
H5	BOILER ROOM PIPING SCHEMATIC & DETAILS
H6	ENLARGED BOILER ROOM PLAN & FUEL OIL PIPING DETAILS
H7	HVAC DETAILS & SYMBOL LIST by ABBREVIATIONS
H8	HVAC SCHEDULE

ELECTRICAL

DE1	ELECTRICAL DEMOLITION
DE2	FIRST FLOOR PLAN- SOUTHEAST ELECTRICAL DEMOLITION PLAN
DE3	SECOND FLOOR EXISTING ELECTRICAL PLAN
E1	FIRST FLOOR- WEST WING & CONNECTOR LIGHTING PLAN
E2	FIRST FLOOR- WEST WING & CONNECTOR POWER PLAN
E3	FIRST FLOOR PLAN- SOUTHEAST LIGHTING PLAN
E4	FIRST FLOOR PLAN- SOUTHEAST POWER PLAN
E5	SECOND FLOOR PLAN- LIGHTING
E6	SECOND FLOOR PLAN- POWER
E7	RISER DIAGRAMS, LEGEND & DETAILS

CODE INFORMATION

Use Group: Educational
Occupancy Load:
Occupancy load based on
15 net s.f. per person
Gymnasium 425 persons.
Cafeteria 147 persons.
Construction: Type 2C
(New ramp connector for handicapped)

RENOVATIONS TO

WASHINGTON PRIMARY SCHOOL
WASHINGTON, CONNECTICUT

SHEPAUG VALLEY
REGIONAL SCHOOL DISTRICT NO. 12

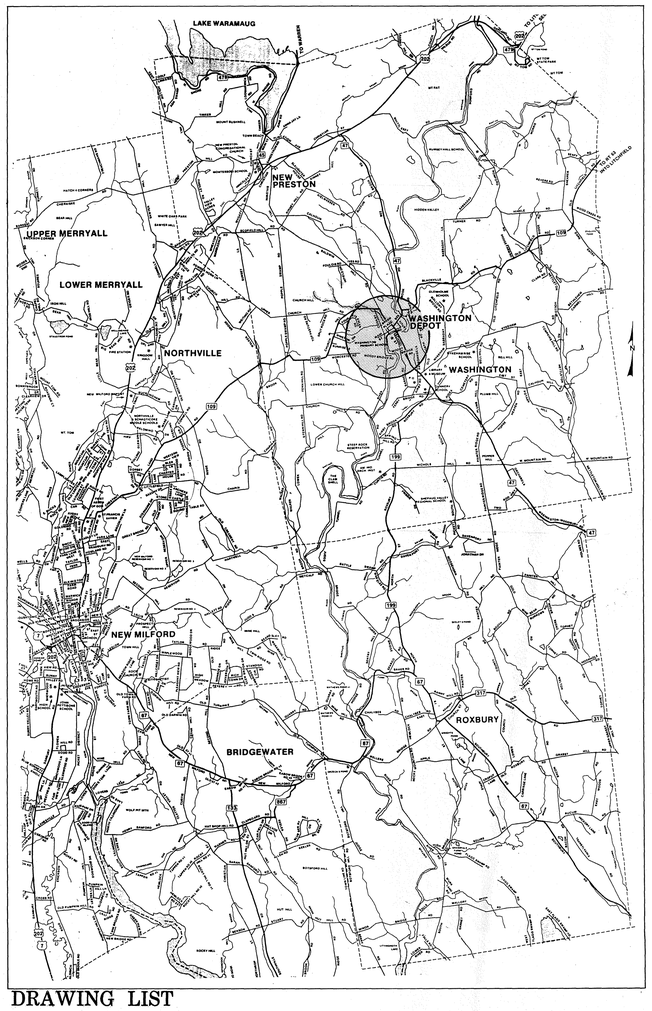
C.J. LAWLER ASSOCIATES · ARCHITECTS & PLANNERS

7 SOUTH MAIN STREET
WEST HARTFORD, CONNECTICUT 203 233-8526

GIRARD & CO. ENGINEERS · STRUCTURAL CONSULTANT

BURTON & VAN HOUTEN ENGINEERS, INC. · MECHANICAL & ELECTRICAL CONSULTANT

M. R. ROMING ASSOCIATES, P.C. · LANDSCAPE ARCHITECT



DRAWING LIST

LANDSCAPE

L1	SITE DEMOLITION, LAYOUT, GRADING & PLANTING PLANS

ARCHITECTURAL

A1	BASEMENT PLAN
A2	FIRST FLOOR PLAN & CONSTRUCTION PHASING SCHEDULE
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P4	SECOND FLOOR PLUMBING PLAN- NORTHWEST

HVAC

H1	HVAC BASEMENT PLAN
H2	FIRST FLOOR HVAC PLAN- NORTHWEST
H3	FIRST FLOOR HVAC PLAN- SOUTHEAST
H4	SECOND FLOOR HVAC PLAN NORTHWEST/SOUTHEAST & FAN ROOM DEMOLITION PLAN
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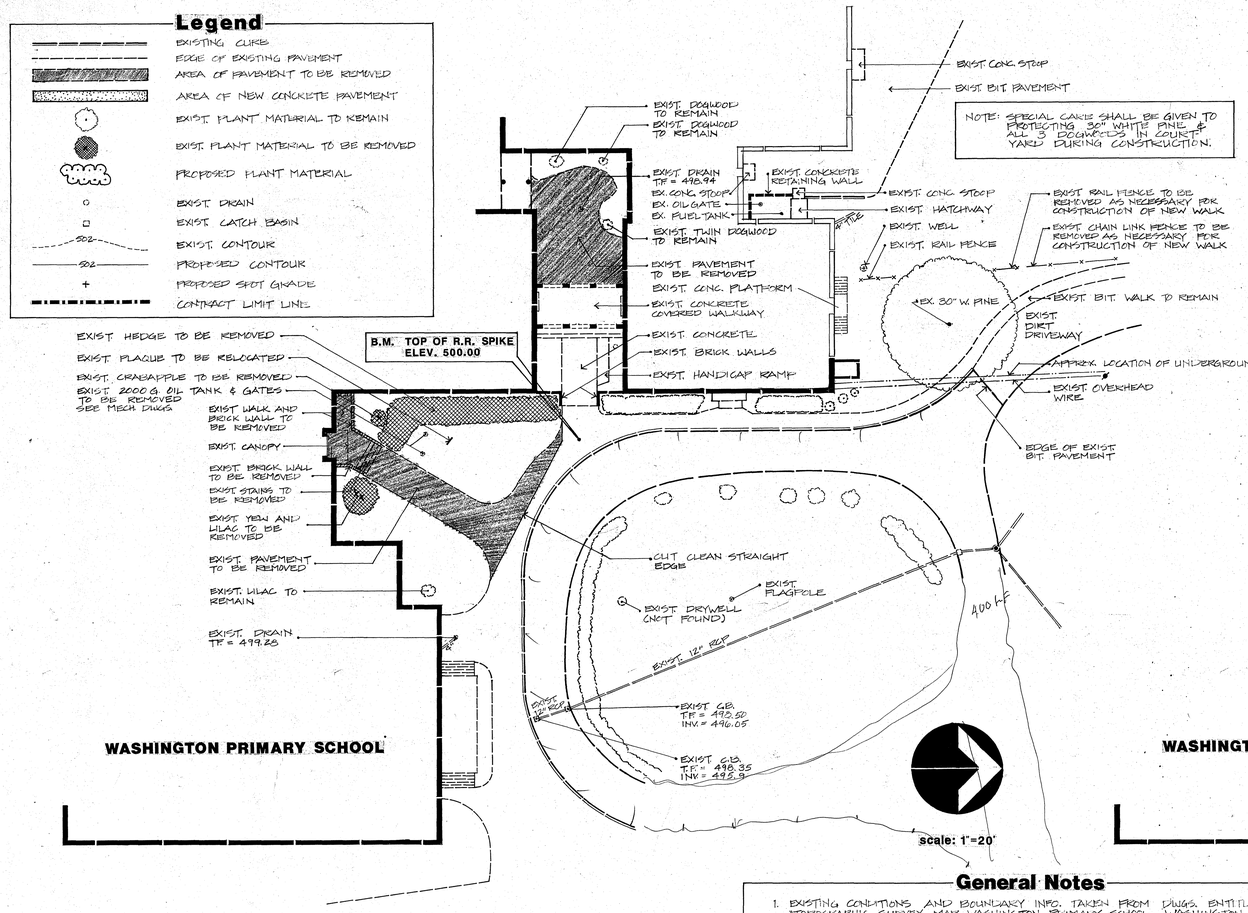
E4	FIRST FLOOR PLAN- SOUTHEAST POWER PLAN
E5	SECOND FLOOR PLAN- LIGHTING
E6	SECOND FLOOR PLAN- POWER
E7	RISER DIAGRAMS, LEGEND & DETAILS

CODE INFORMATION

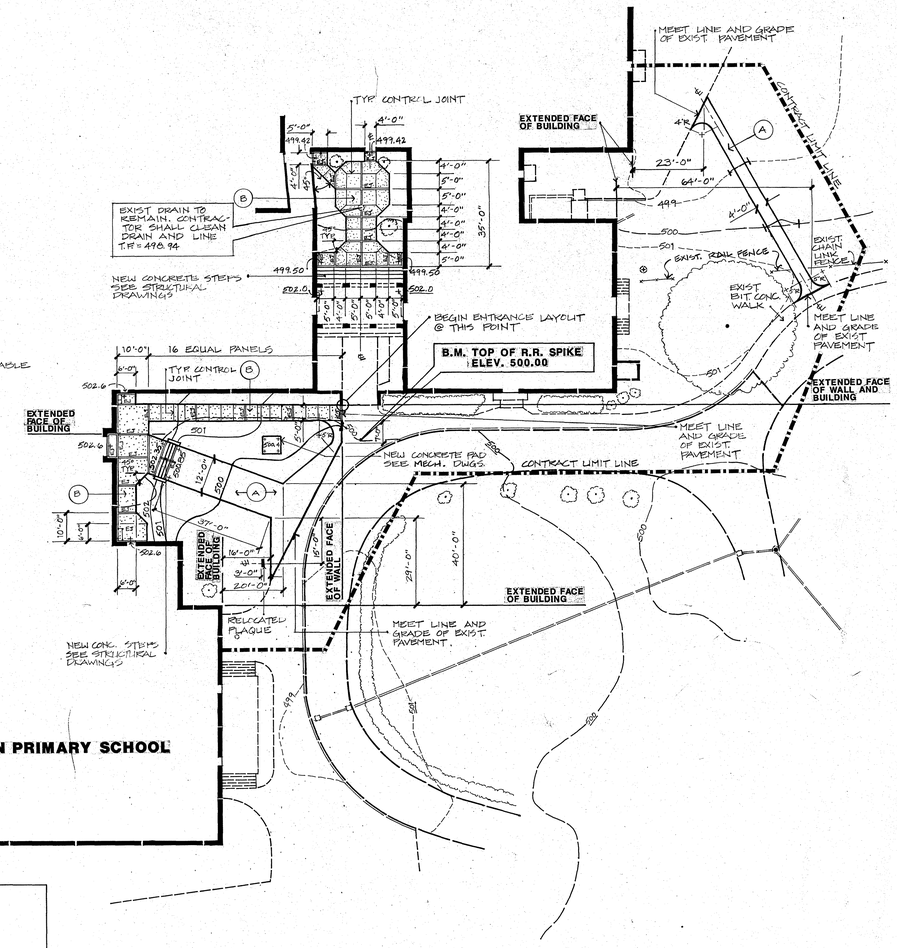
Use Group: Educational
Occupancy Load:
Occupancy load based on
15 net s.f. per person
Gymnasium 425 persons.
Cafeteria 147 persons.
Construction: Type 2C
(New ramp connector for hand

#44



SITE DEMOLITION PLAN

SCALE: 1" = 20'

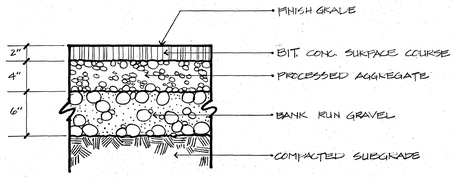


SITE LAYOUT & GRADING PLAN

SCALE: 1" = 20'

General Notes

1. EXISTING CONDITIONS AND BOUNDARY INFO. TAKEN FROM DWGS. ENTITLED, "TOPOGRAPHIC SURVEY MAP WASHINGTON PRIMARY SCHOOL, WASHINGTON CONN." PREPARED BY IGOR VECHESLOFF PROFESSIONAL ENGINEER & LAND SURVEYOR, 51 LORRAINE STREET, HARTFORD, CONN. DATED: 4-13-88. SCALE: 1" = 20'
2. ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR AND HE SHALL BE FULLY RESPONSIBLE FOR SAME.
3. ALL DIMENSIONS @ 90° UNLESS OTHERWISE NOTED.
4. THE SITE CONTRACTOR SHALL MAINTAIN ACCESS TO THE EXISTING SCHOOL AT ALL TIMES FOR EMPLOYEES, STUDENTS AND EMERGENCY VEHICLES.



(A) BIT. CONC. WALK PAVEMENT

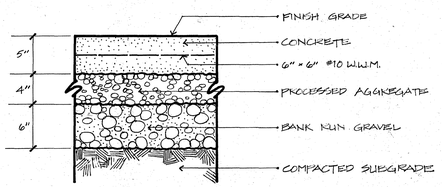
NOT TO SCALE

PLANT LIST

SYMBOL	QUAN.	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	COMMENTS
BS	94	COMMON BOXWOOD	BUXUS SEMPERVIRENS	18"-24"	B&B	PLANTED 4' O.C.
HH	828	HARDY ENGLISH IVY	HEDERA HELIX 'BALTICA'	2½" POT		PLANTED 9" O.C.
TC	20	DWARF JAPANESE YEW	TAXUS CUSPIDATA 'NANA'	18"-24"	B&B	PLANTED 4' O.C.
RP	28	PJM RHODODENDRON	RHODODENDRON PJM	2'-2½'	B&B	PLANTED 4' O.C.

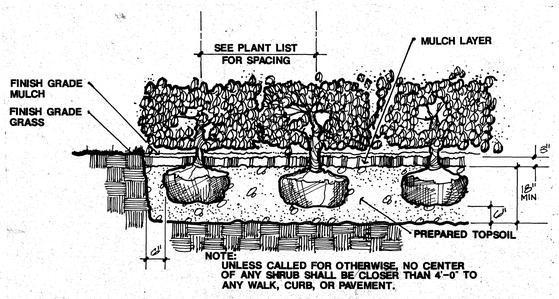
NOTE:
ALL PLANT MATERIAL TO BE NURSERY GROWN OR SPECIMEN. NO COLLECTED MATERIAL WILL BE ALLOWED.

AREA TO BE PLANTED WITH HARDY ENGLISH IVY.



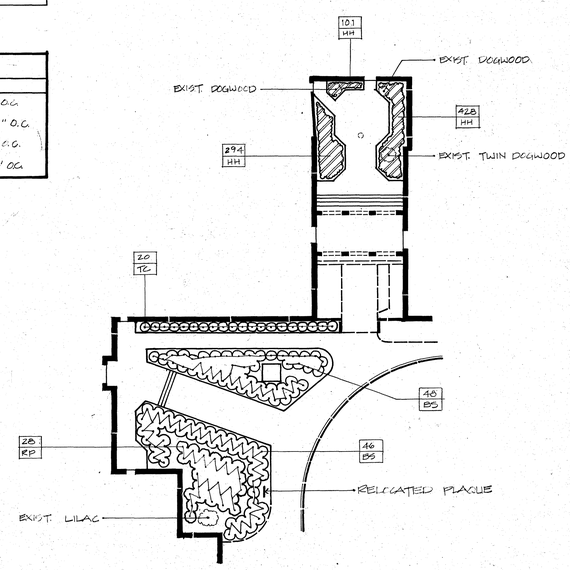
(B) CONCRETE WALK PAVEMENT

NOT TO SCALE



(C) SHRUB BED PLANTING

NOT TO SCALE



SITE PLANTING PLAN

SCALE: 1" = 20'

ADDITIONAL NEW SIDEWALK NOTE:

SEE DRAWING A-6, DETAIL "C" FOR LAYOUT, GRADING AND PLANTING OF NEW SIDEWALK LOCATED AT BUILDING DOORS #156 AND #158.

C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-8526

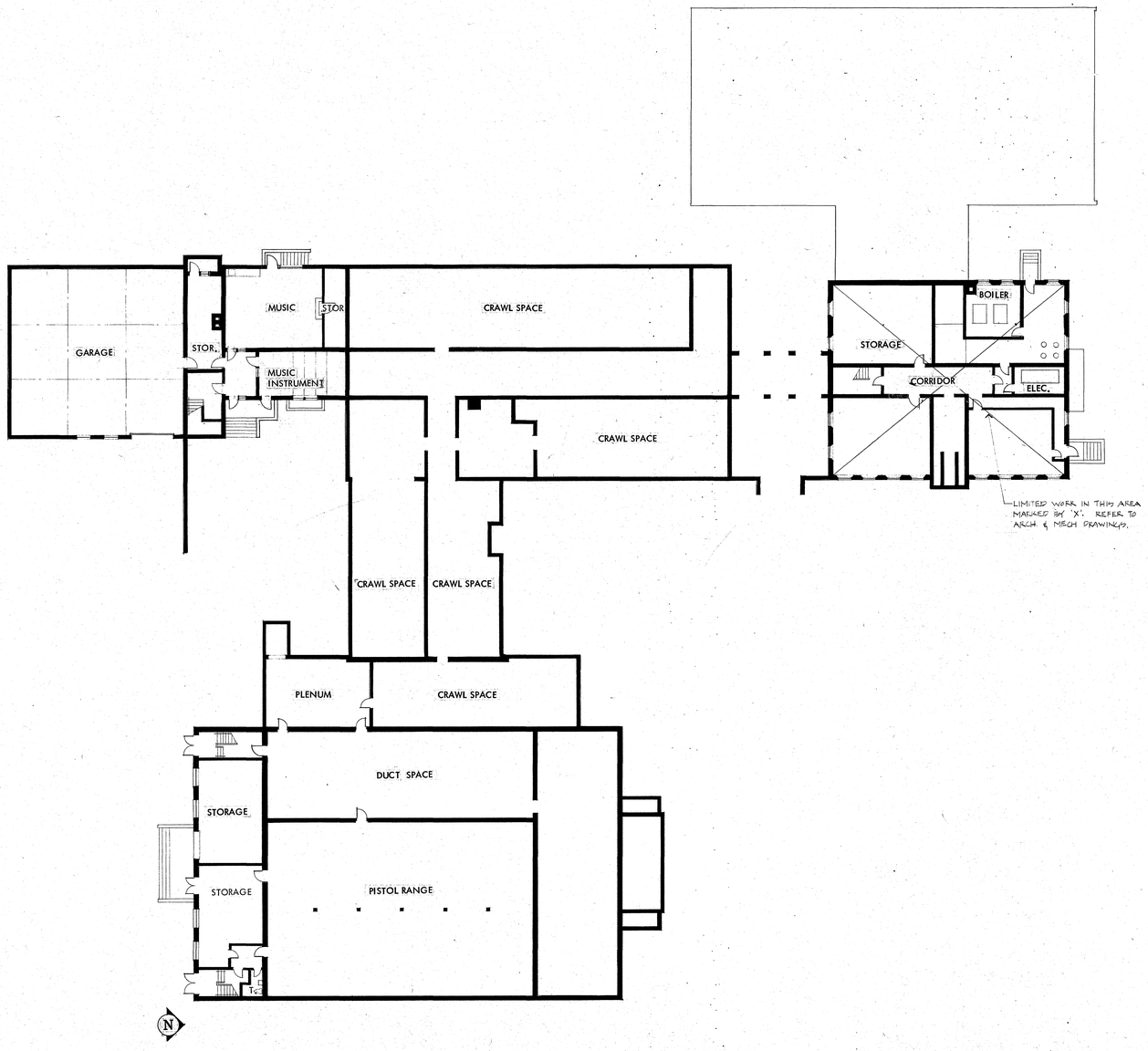
SCALE: 1"=20'
DRAWN BY: JLB
DATE: 1 SEPTEMBER 1988
REVISIONS:

MR ROMING ASSOCIATES P.C.
Landscape Architects - Land Planners
West Hartford Connecticut

SITE DEMOLITION, LAYOUT, GRADING & PLANTING PLANS

L-1

WASHINGTON PRIMARY SCHOOL



A1 BASEMENT PLAN

SCALE: 1/16" 1'-0"

WASHINGTON PRIMARY SCHOOL

C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 [203] 233-6526

CONSULTANTS:
MECHANICAL & ELECTRICAL: BURTON & VANHOUTEN ENGINEERS INC.
10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 [203] 236-2865
STRUCTURAL: GIRARD & CO. ENGINEERS
40 WATERSFIELD AVENUE HARTFORD, CT. 06114 [203] 656-1594

BASEMENT PLAN

SCALE 1/16" = 1'-0" DRAWN BY D.J.V.

DATE SEPT. 1, 1968 REVISED

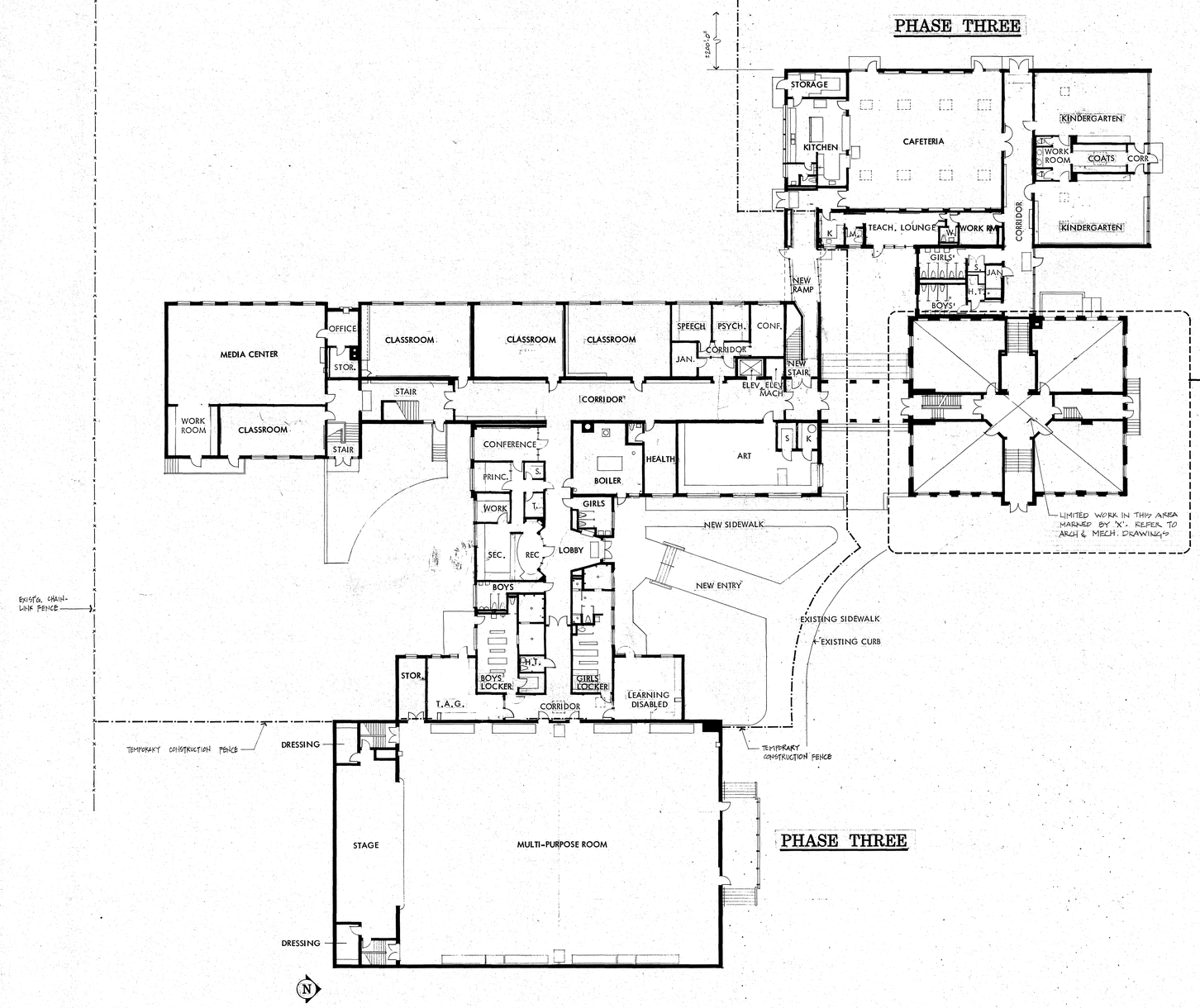
A1

PHASE TWO

CLOSE OFF CONSTRUCTION AREA W/ AN 8'-0" HIGH OPAQUE FENCE W/ CDX PLYWOOD EXTERIOR FACE. ACCESS GATES SIZES & LOCATIONS TO BE DETERMINED BY CONTRACTOR, AS REQ'D.

STUDENTS WILL PAINT FENCES UNDER SUPERVISION OF SCHOOL PERSONNEL AS ART PROJECT

PHASE THREE



PHASE ONE

- INSTALL FIRE ALARMS, EMERGENCY LIGHTS & SIGNAGE.
- MECHANICAL & ELECTRICAL WORK @ BASEMENT TO BE SCHEDULED @ CONTRACTOR'S DISCRETION.

PHASE THREE

A / A2

FIRST FLOOR PLAN

SCALE: 1/16 : 1'-0"

C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-8526

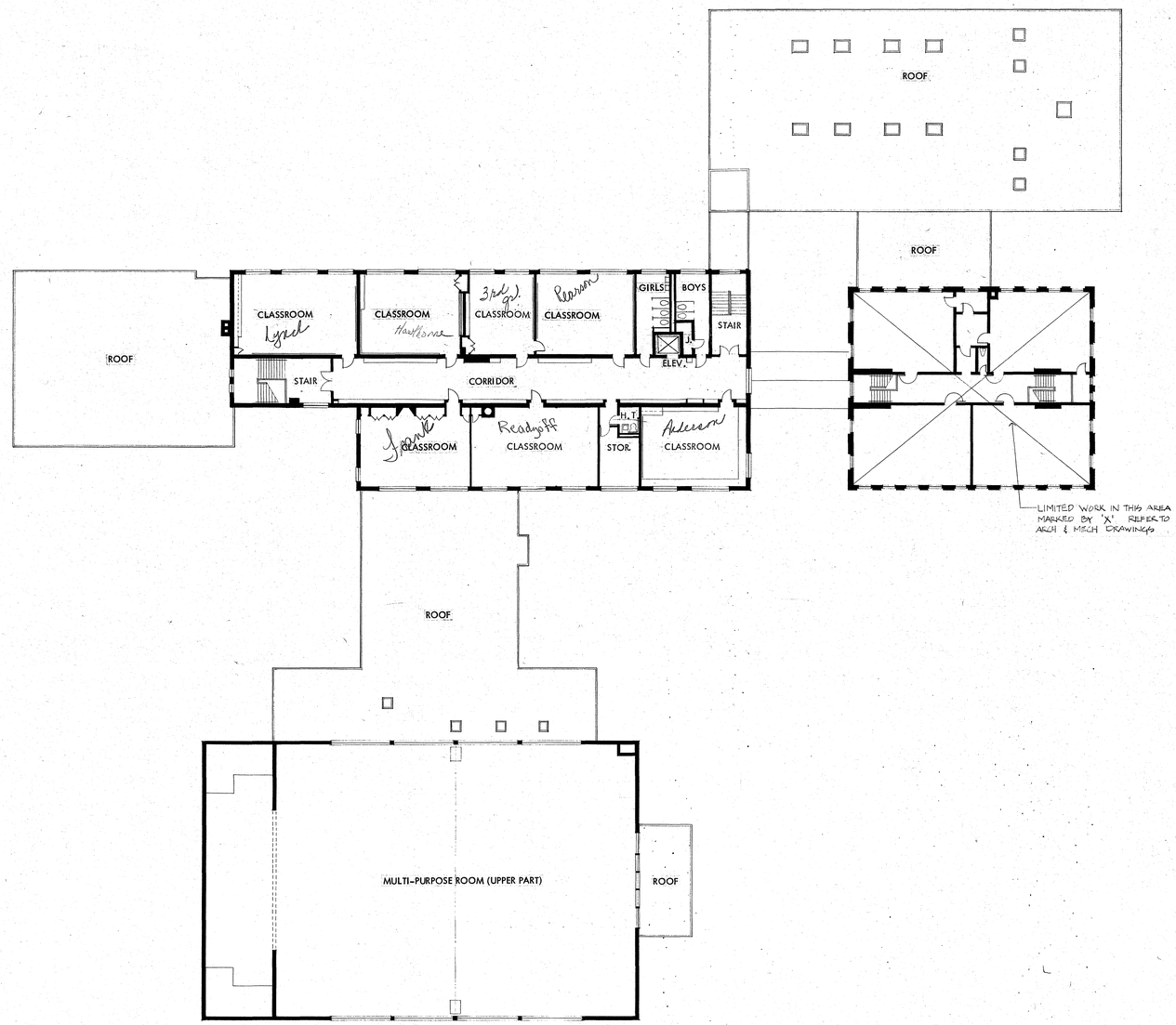
CONSULTANTS:
MECHANICAL & ELECTRICAL: BURTON & VANHOUTEN ENGINEERS INC. 10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-2555
STRUCTURAL: GIRARD & CO. ENGINEERS 40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1594

FIRST FLOOR PLAN & CONSTRUCTION PHASING SCHEDULE

SCALE 1/16" = 1'-0" DRAWN BY DJW
DATE SEPT 1, 1986 REVISED

A2

WASHINGTON PRIMARY SCHOOL



A/A3 **SECOND FLOOR PLAN**

SCALE : 1/16" : 1'-0"

STATE OF CONNECTICUT
CARROLL JAMES LAWLER, JR.
NO. 2592
REGISTERED ARCHITECT

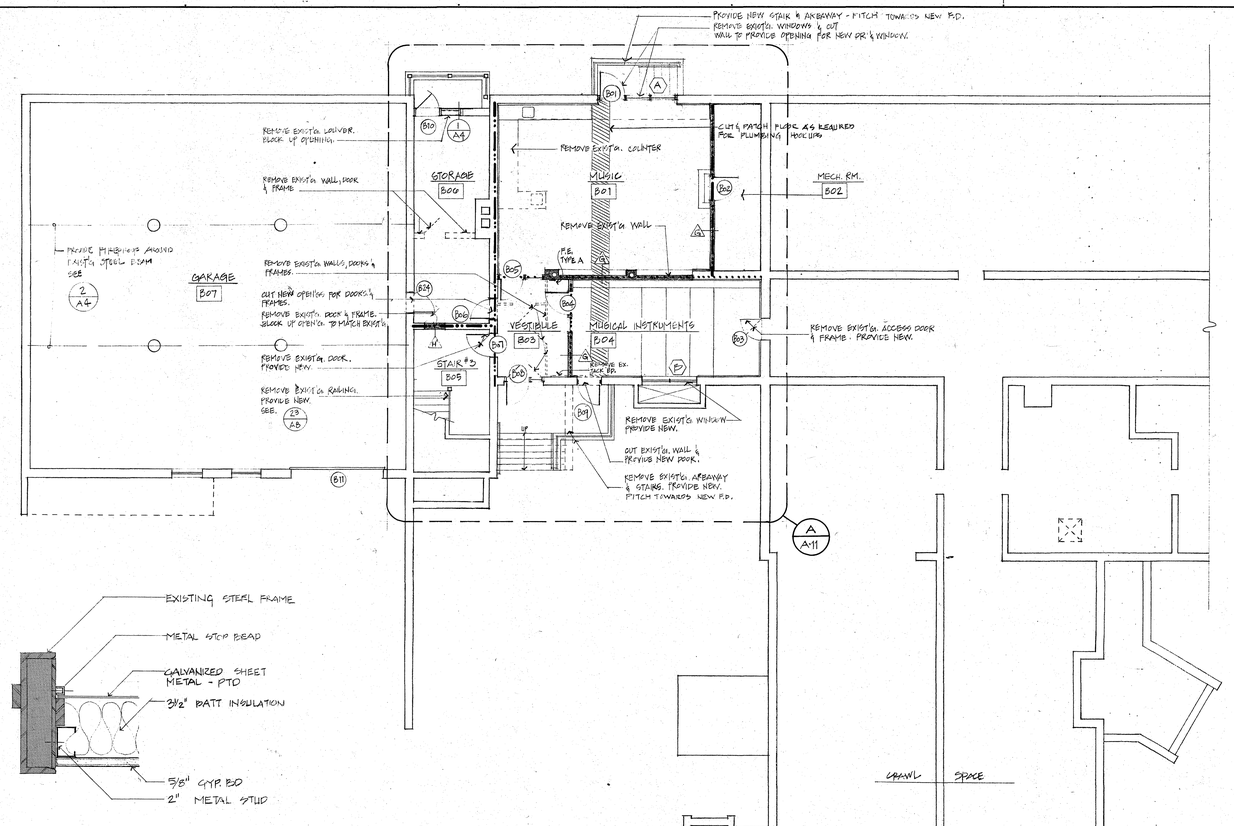
C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-8526

CONSULTANTS :
MECHANICAL & ELECTRICAL : BURTON & VANHOUTEN ENGINEERS INC.
10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-2365
STRUCTURAL : GIRARD & CO. ENGINEERS
40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1594

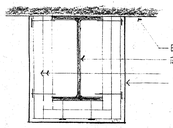
SECOND FLOOR PLAN
SCALE 1/16" = 1'-0"
DRAWN BY DJW
DATE SEPT 1, 1988
REVISED

WASHINGTON PRIMARY SCHOOL

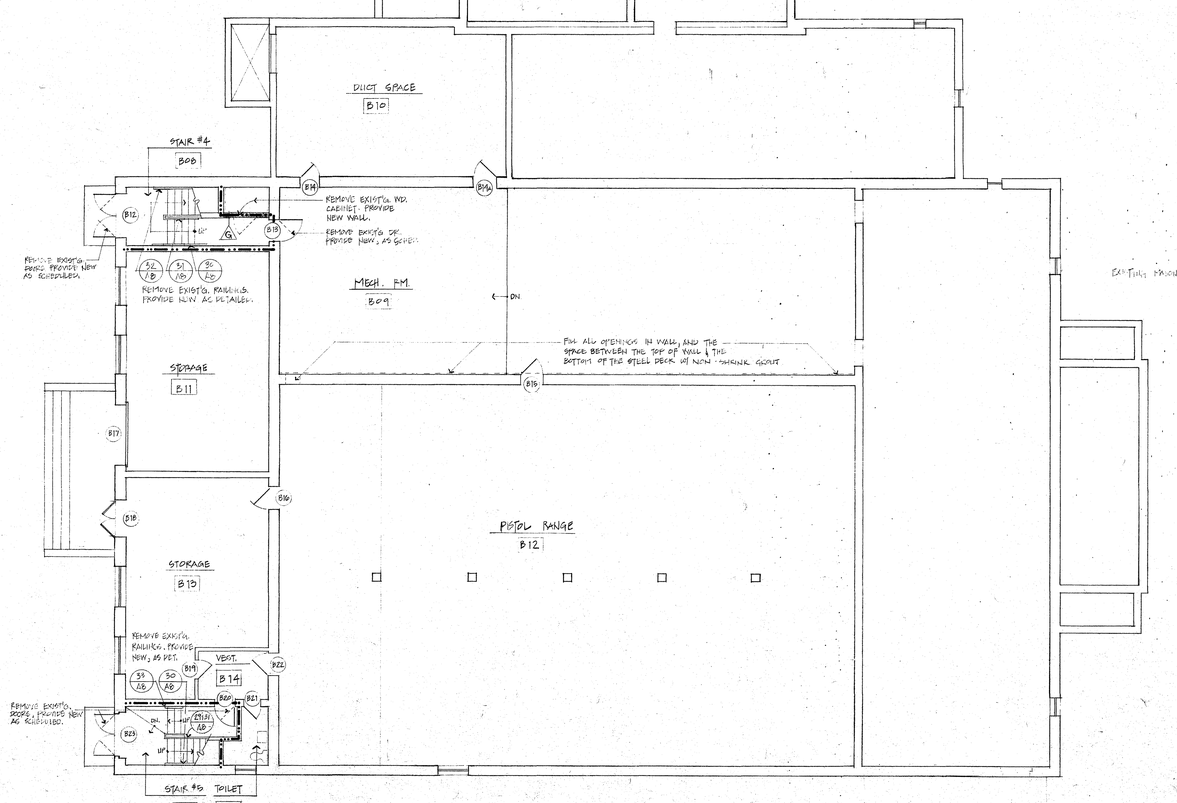
A3



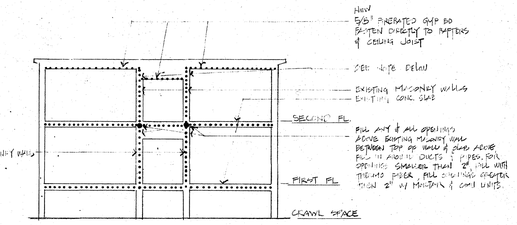
1 / A4 JAMB DETAIL @ DOOR B10
3" = 1'-0"



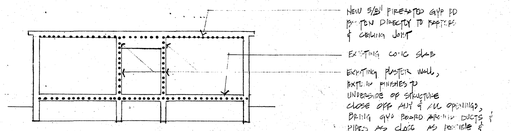
2 / A4 FIREPROOFING FOR BEAMS - U.L. # N304
NTS



A / A4 BASEMENT FLOOR PLAN
SCALE 1/8" = 1'-0"



3 / A4 FIRE SEPARATION - SCHEMATIC SECTION
NTS



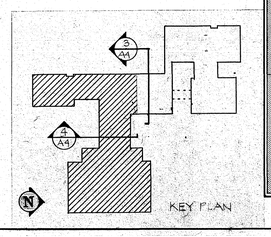
4 / A4 FIRE SEPARATION - SCHEMATIC SECTION
NTS

NOTES FOR FIRE SEPARATION

1) DIAGRAMS ABOVE INDICATE THE FIRE SEPARATION REQUIRED.
2) FIRE SEPARATIONS ARE ALSO INDICATED ON PLANS.
3) IN GENERAL, EXTEND ALL EXISTING WALL CONSTRUCTION TO UNDERSIDE OF STRUCTURE ABOVE. ALL NEW WALLS TO GO TO UNDERSIDE OF STRUCTURE ABOVE.

NOTES & KEYS:

- REMOVE EXISTING DOOR & FRAME
- REMOVE EXISTING DOOR ONLY
- REMOVE EXISTING CONSTRUCTION FROM START & FROM TO OPTIONAL ABOVE UNLESS NOTED OTHERWISE
- NEW DOOR
- NEW DOOR & FRAME
- METAL NUMBER
- DOOR NUMBER
- ROOM NUMBER
- WALL TYPE
- ELEVATION
- SECTION
- WINDOW NUMBER
- 2 HOUR CONSTRUCTION
- 1 HOUR CONSTRUCTION



STATE OF CONNECTICUT
CARLTON J. LAWLER, JR.
NO. 2562
REGISTERED ARCHITECT

C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-8526

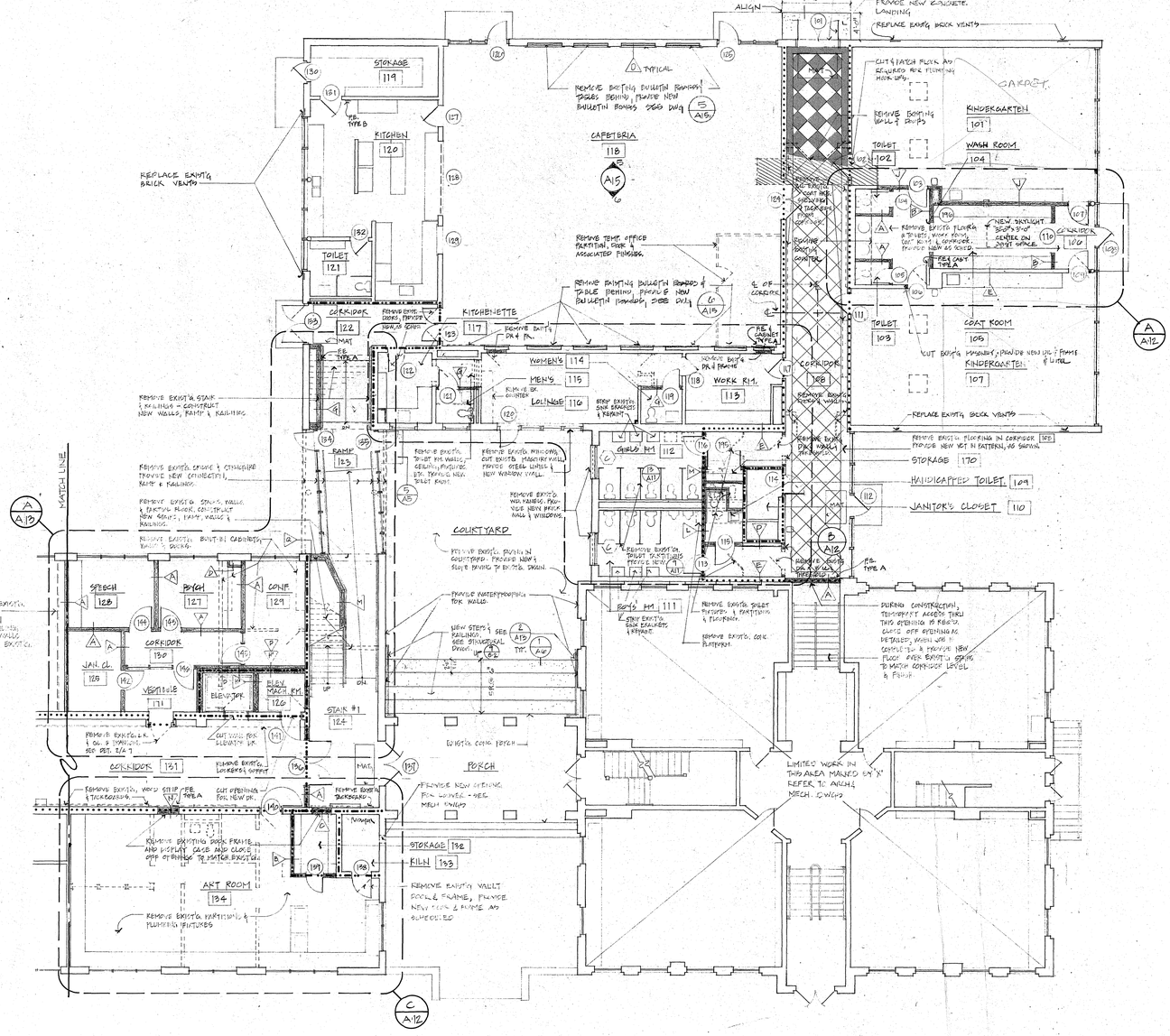
CONSULTANTS:
MECHANICAL & ELECTRICAL: BURTON & VANHOUTEN ENGINEERS INC.
10 PORTER HALL STREET WEST HARTFORD, CT. 06107 (860) 232-2085
STRUCTURAL: GIRARD & CO. ENGINEERS
40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (860) 524-1504

WASHINGTON PRIMARY SCHOOL

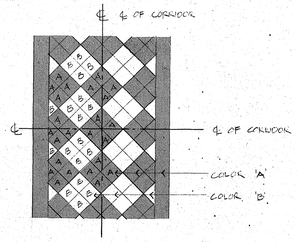
BASEMENT PLAN - SOUTHEAST

SCALE 1/8" = 1'-0"
DRAWN BY CPC, VAG
REVISED
DATE SEPT. 1, 1995

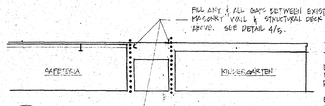
A4



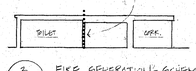
A/A5 PARTIAL FIRST FLOOR PLAN - NORTHWEST
SCALE: 1/8" = 1'-0"



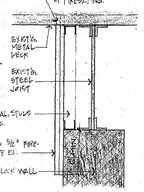
1/A5 VCT PATTERN - CORRIDOR 108



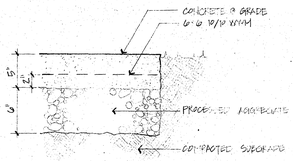
2/A5 FIRE SEPERATION - SCHEMATIC SECTION
N.T.S.



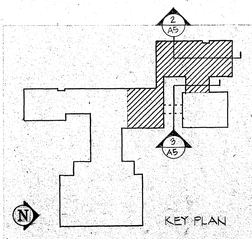
3/A5 FIRE SEPERATION - SCHEMATIC
N.T.S.



4/A5 DETAIL
SCALE: 1 1/2" = 1'-0"



5/A5 TYPICAL SIDEWALK
1 1/2" = 1'-0"



WASHINGTON PRIMARY SCHOOL

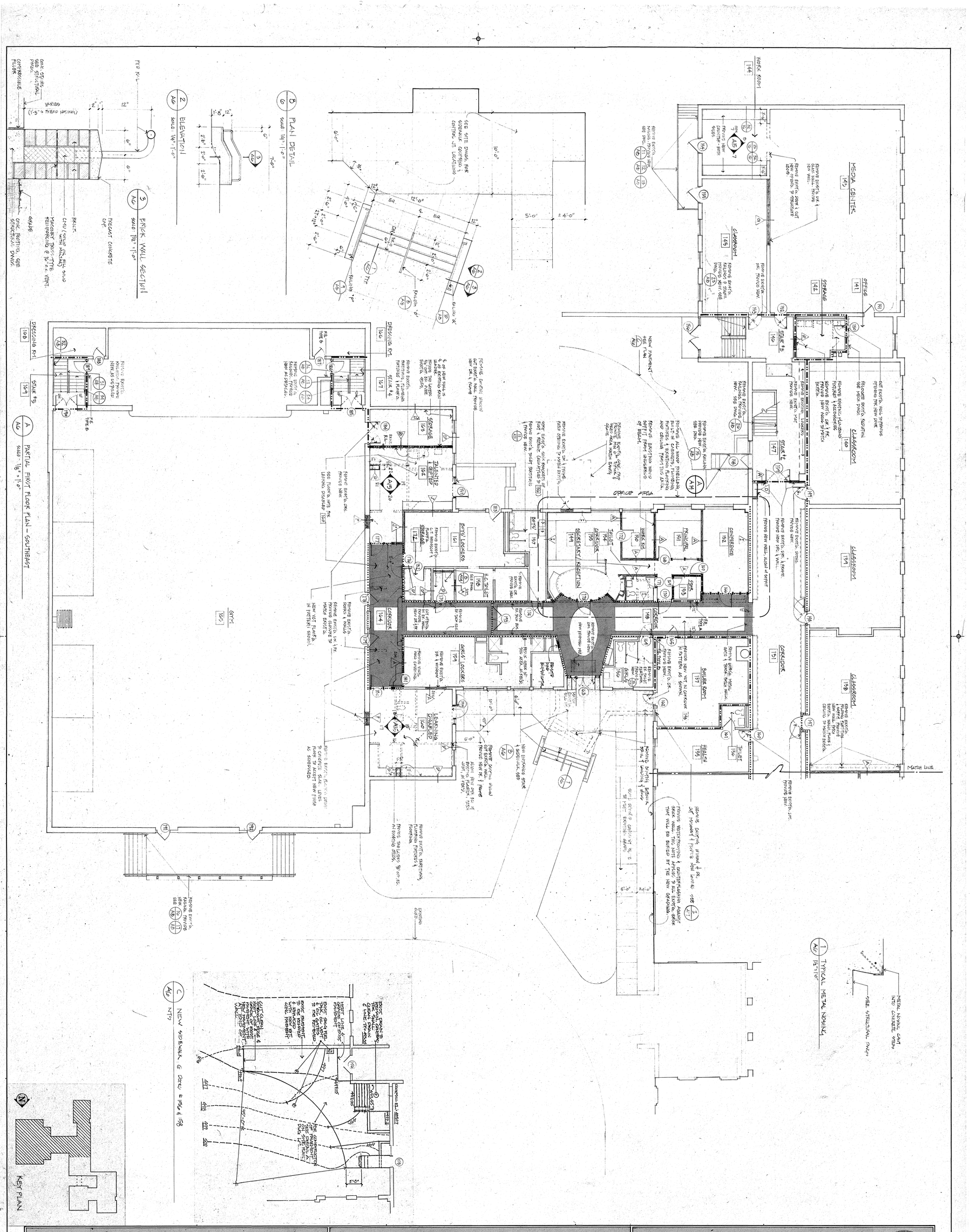
C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-8526

CONSULTANTS:
MECHANICAL & ELECTRICAL: BURTON & VANHOUTEN ENGINEERS INC. 10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-4404
STRUCTURAL: GIRARD & CO. ENGINEERS 40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 586-1204

FIRST FLOOR PLAN-NORTHWEST

SCALE 1/8" = 1'-0"
DRAWN BY VAS
DATE SEPT. 1, 1989
REVISED

A5



A6

FIRST FLOOR PLAN - SOUTHEAST & MISC. ENTRANCE DETAILS

SCALE AS NOTED — DRAWN BY CPC, VAS

DATE SEPT. 1, 1988 — REVISED

CONSULTANTS:

MECHANICAL & ELECTRICAL: BURTON & VANHOUTEN ENGINEERS INC. 10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-2365

STRUCTURAL: GIRARD & CO. ENGINEERS 46 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1594

C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-8526

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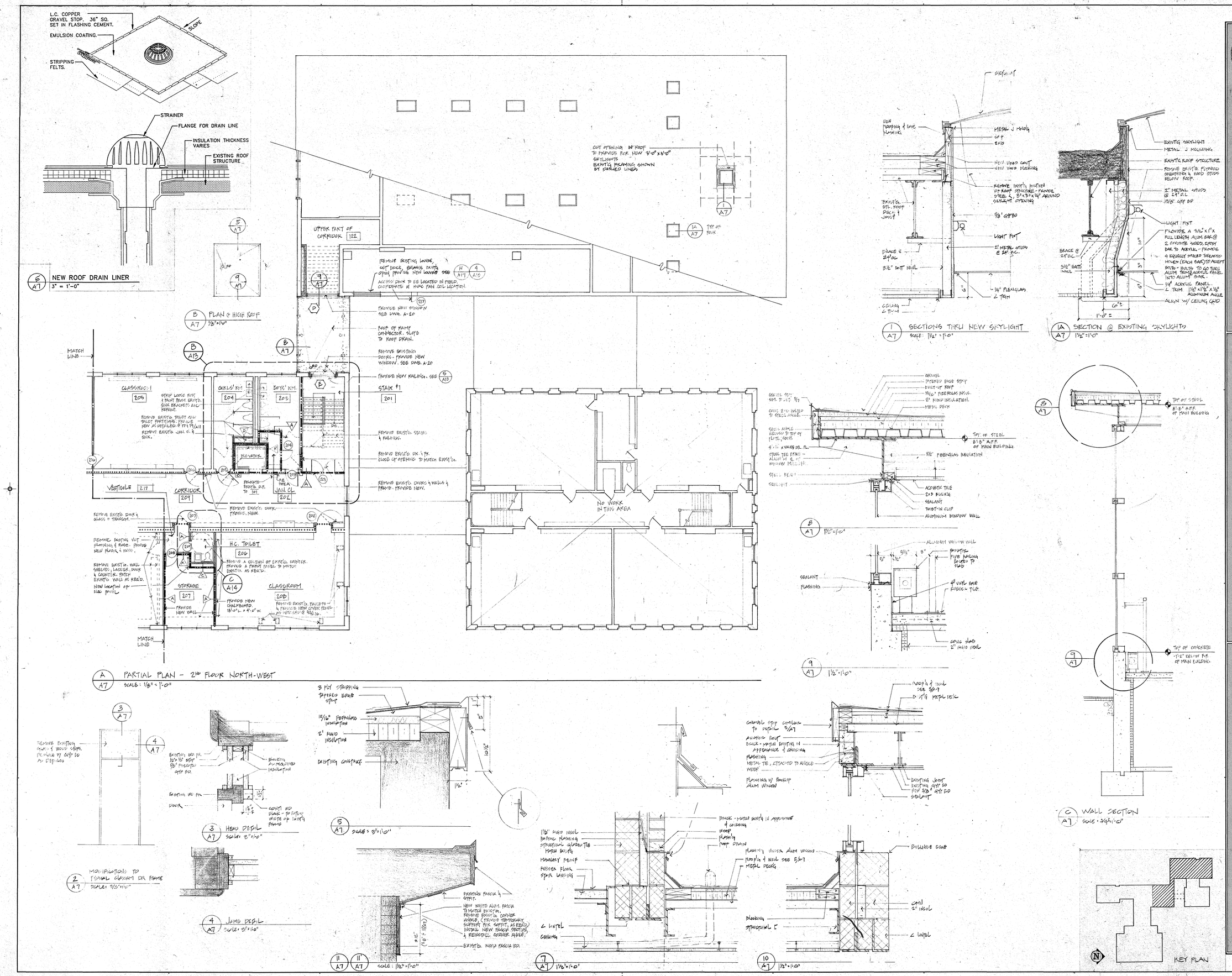

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BURTON & VANHOUTEN ENGINEERS INC.
10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-4866

GIRARD & CO. ENGINEERS
60 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1194

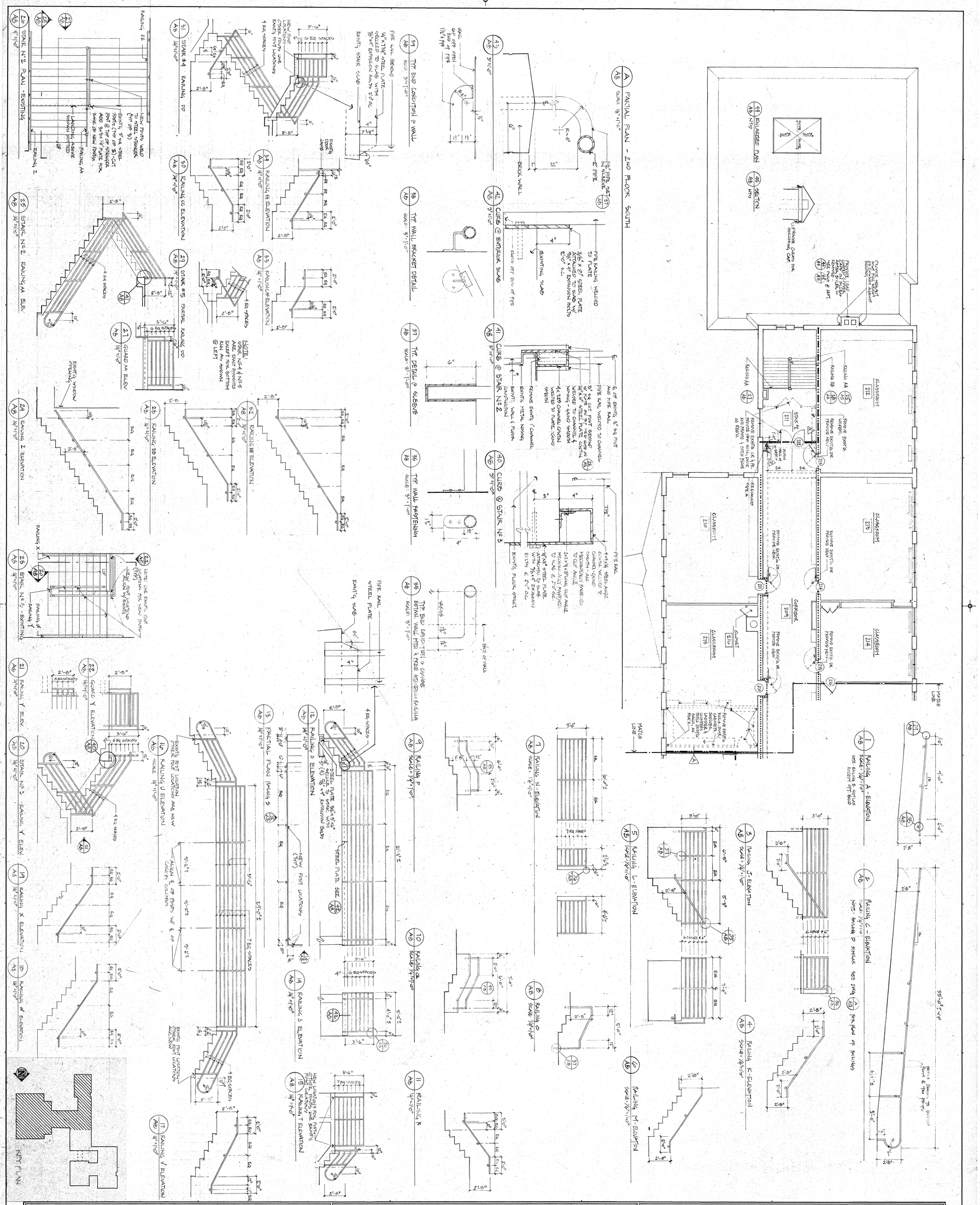
CONSULTANTS:
MECHANICAL & ELECTRICAL:
STRUCTURAL:

WASHINGTON PRIMARY SCHOOL

SECOND FLOOR PLAN - NORTHWEST
RAMP DETAILS

SCALE AS NOTED
DRAWN BY CPC, VAG
DATE SEPT 1, 1986
REVISED

A7



SECOND FLOOR PLAN - SOUTHEAST
RAILING ELEVATIONS & DETAILS

A8

SCALE AS NOTED

DRAWN BY: CPC, VAS, DJW

DATE SEPT. 1 1988

REVISED

CONSULTANTS:

MECHANICAL & ELECTRICAL: BURTON & VANHOUTEN ENGINEERS INC.
10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-2265

STRUCTURAL: GIRARD & CO. ENGINEERS
40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1524

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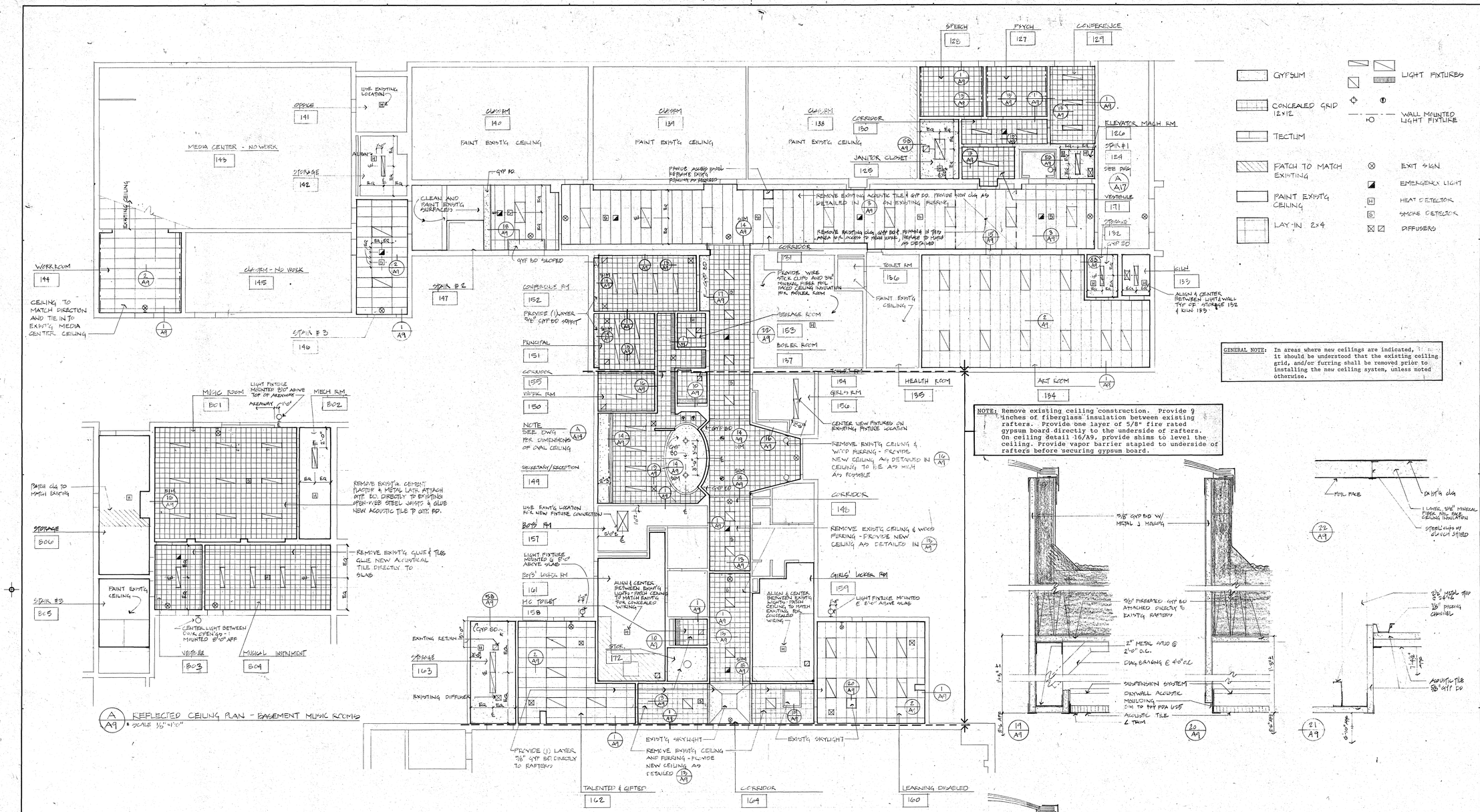
WASHINGTON PRIMARY SCHOOL

WASHINGTON PRIMARY SCHOOL

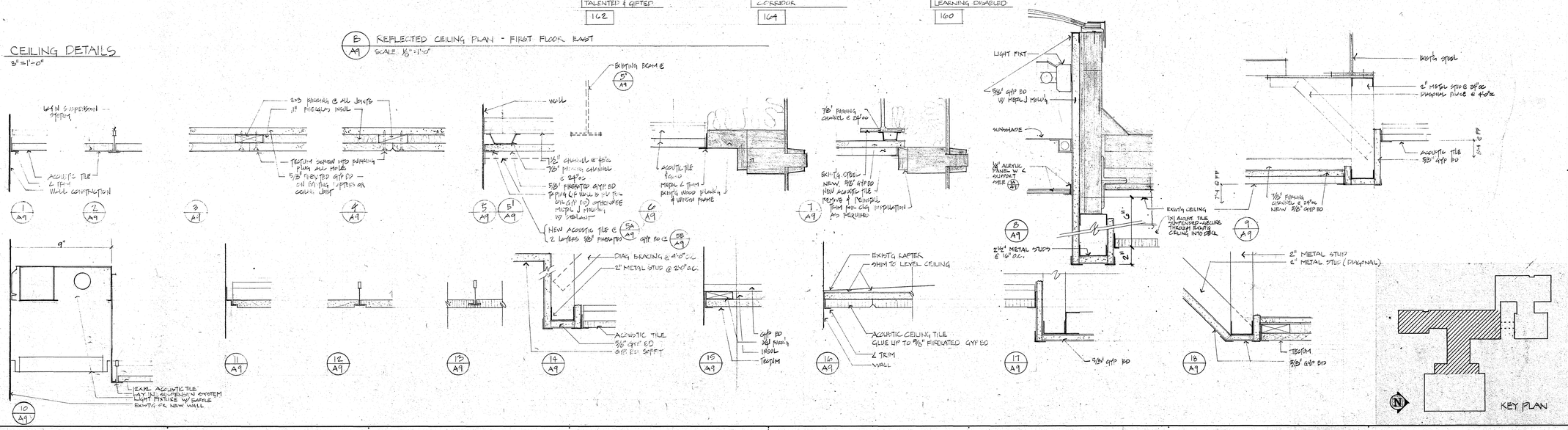


A/A9 REFLECTED CEILING PLAN - BASEMENT MUSIC ROOMS
SCALE 1/8"=1'-0"

B/A9 REFLECTED CEILING PLAN - FIRST FLOOR EAST
SCALE 1/8"=1'-0"

GENERAL NOTE: In areas where new ceilings are indicated, it should be understood that the existing ceiling grid, and/or furring shall be removed prior to installing the new ceiling system, unless noted otherwise.

NOTE: Remove existing ceiling construction. Provide 9 inches of fiberglass insulation between existing rafters. Provide one layer of 5/8" fire rated gypsum board directly to the underside of rafters. On ceiling detail 16/A9, provide shims to level the ceiling. Provide vapor barrier stapled to underside of rafters before securing gypsum board.



C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
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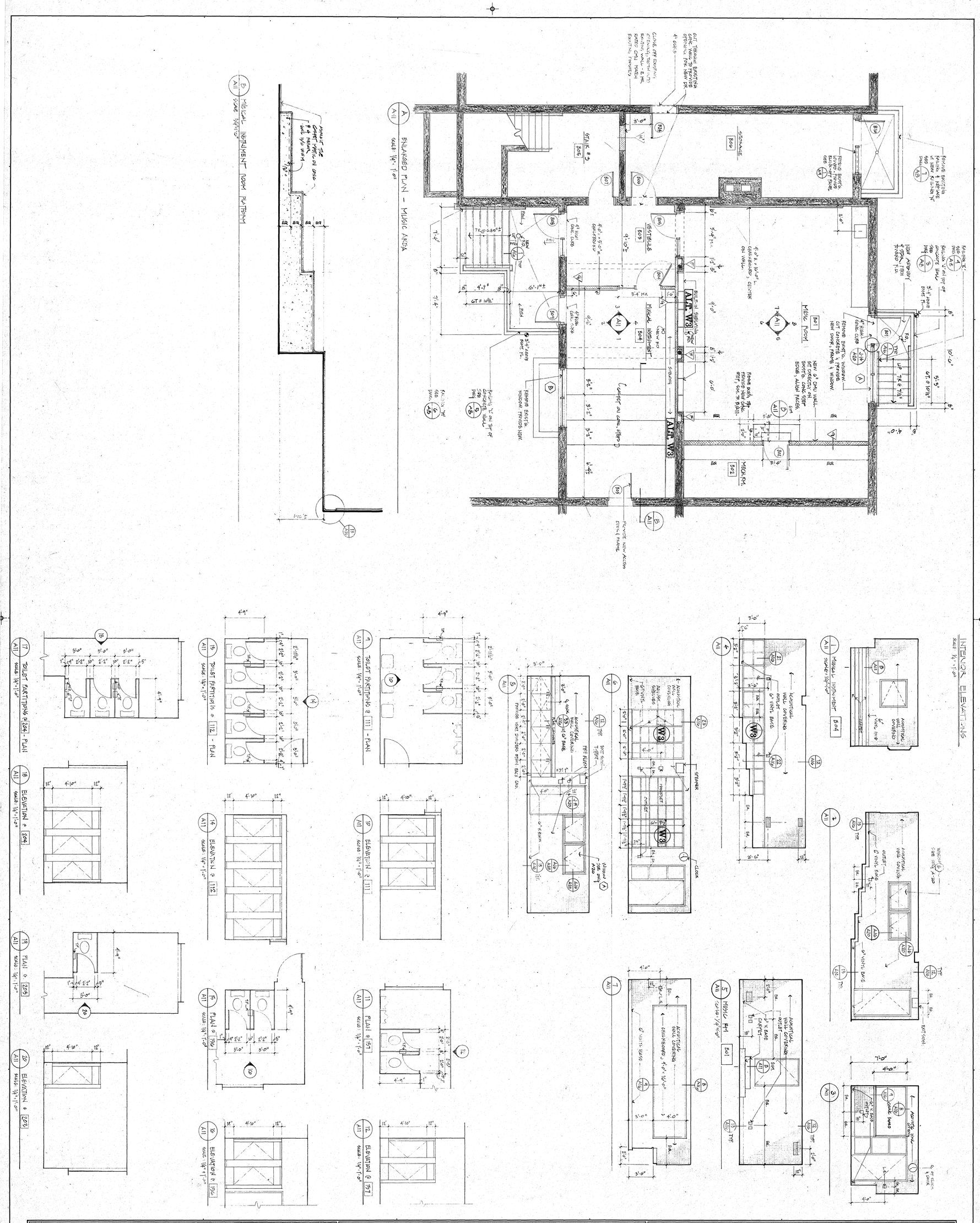
CONSULTANTS:
MECHANICAL & ELECTRICAL: BURTON & VANHOUTEN ENGINEERS INC. 10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-2266
STRUCTURAL: GIRARD & CO. ENGINEERS 40 WATERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1594

REFLECTED CEILING PLANS - BASEMENT, FIRST FLOOR - SOUTHEAST and MISC. CEILING DETAILS
SCALE AS NOTED
DRAWN BY DJW
REVISED
DATE SEPT. 1988

A9



A11

ENLARGED PLAN & ELEVATIONS -
MUSIC ROOMS & PARTIAL ALT. W3
TOILET PARTITION DETAILS

SCALE 1/4" = 1'-0" DRAWN BY CPC, YAS

DATE SEPT 1, 1988 REVISED

CONSULTANTS :

MECHANICAL & ELECTRICAL : BURTON & VANHOUTEN ENGINEERS INC.
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STRUCTURAL : GIRARD & CO. ENGINEERS
40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1594

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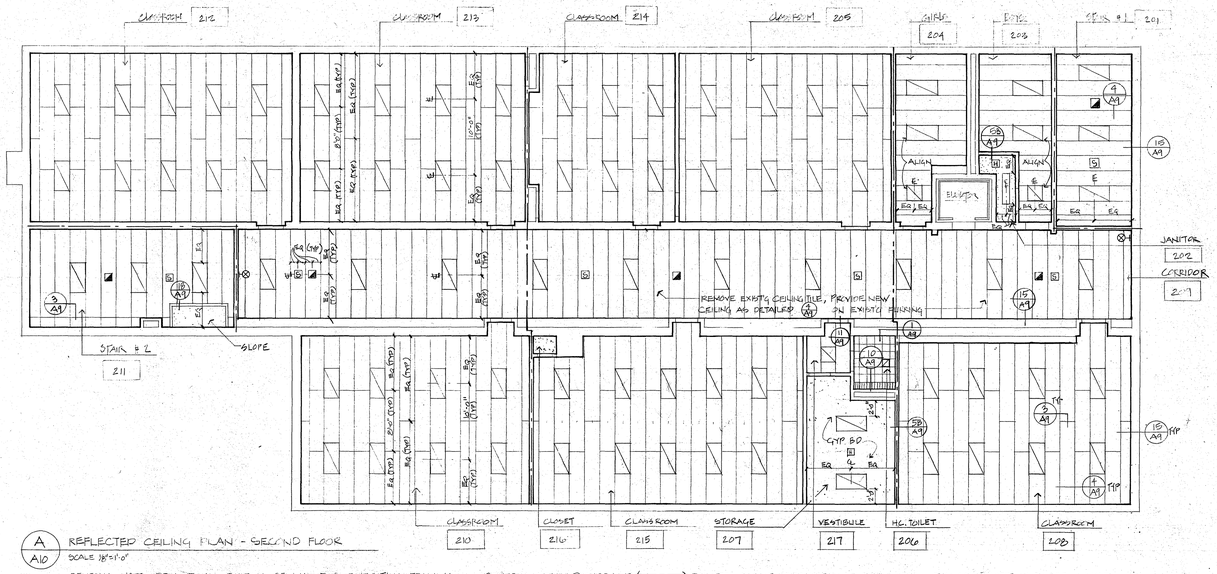
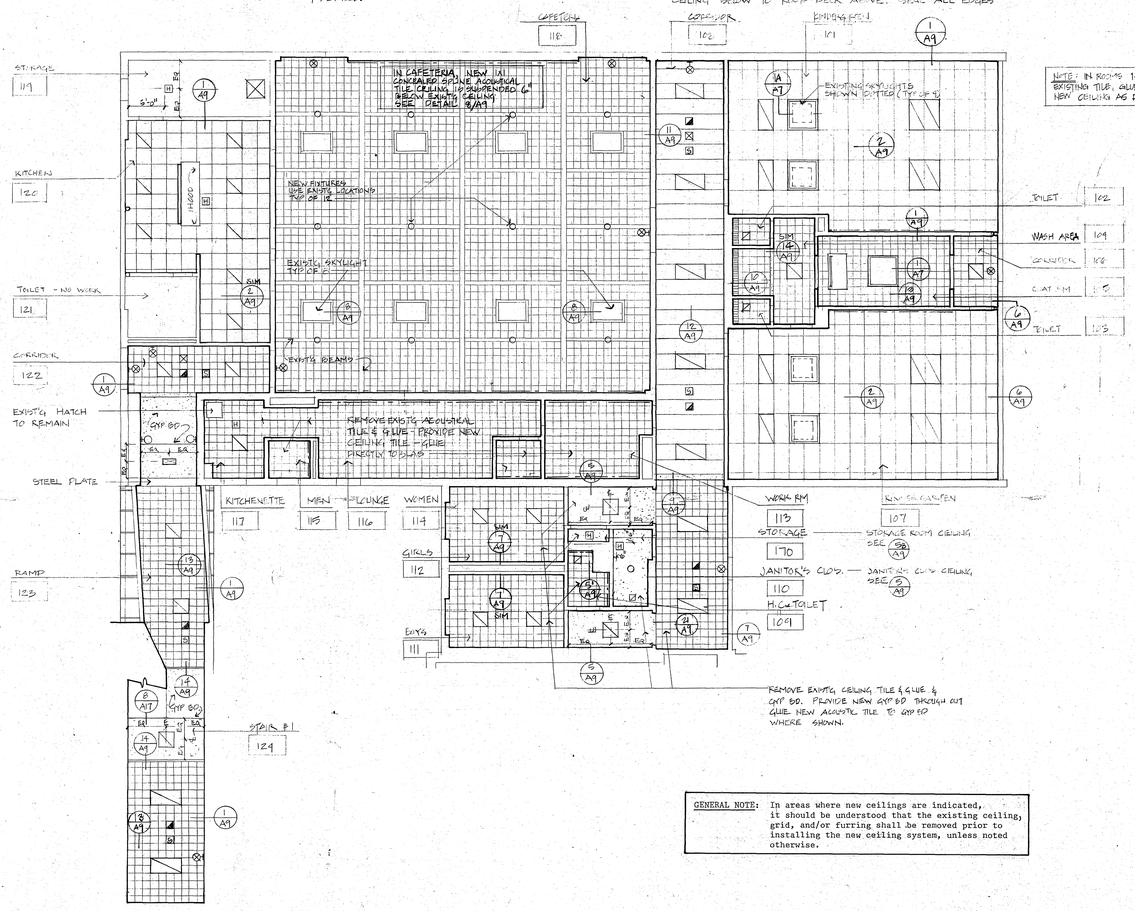
WASHINGTON PRIMARY SCHOOL



A/A10 REFLECTED CEILING PLAN - SECOND FLOOR
SCALE 1/8"=1'-0"

GENERAL NOTE: REMOVE ALL EXISTING CEILINGS. EXPOSE EXISTING FRAMING. PROVIDE NEW 12" FIBERGLASS INSULATION, VAPOR BARRIER & (1) LAYER OF 5/8" FIRE RATED GYPSUM BOARD. ACOUSTICAL TILES/ PANELS AS SHOWN & DETAILED.

GENERAL NOTE: DASHED LINE (— — —) DENOTES SMOKE SEPARATION IN THE ATTIC. TYPICAL PARTITION TO BE SINGLE LAYER OF 5/8" GYP BD ON 3 5/8" METAL STUDS @ 24" O.C. WALL IS TO 6" FROM TOP OF EXISTG WALLS TO UNDERSIDE OF ROOF PLANE ABOVE. WHEN PARTITION CROSSES CORRIDOR, PARTITION GOES FROM CEILING BELOW TO ROOF DECK ABOVE. SEAL ALL EDGES



GENERAL NOTE: In areas where new ceilings are indicated, it should be understood that the existing ceiling, grid, and/or furring shall be removed prior to installing the new ceiling system, unless noted otherwise.

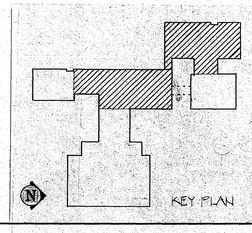
B/A10 REFLECTED CEILING PLAN - FIRST FLOOR WEST WING & CONNECTOR RAMP
SCALE 1/8"=1'-0"

CEILING SCHEDULE

ROOM #	ROOM NAME	CEILING TYPE
B01	MUSIC	1x1 acoustical tile glue to gyp.bd.
B02	MECHANICAL	Existing
B03	VESTIBULE	1x1 acoustical tile glued to slab
B04	MUSIC/ INSTRUMENT	1x1 acoustical tile glued to slab
B05	STAIR #3	Existing
B06	STORAGE	Existing
101	KINDERGARTEN	2x4 acoustical panel lay-in
102	TOILET	1x1 acoustical tile concealed spline
103	TOILET	1x1 acoustical tile concealed spline
104	WASH	1x1 acoustical tile concealed spline
105	COAT	1x1 acoustical tile concealed spline
106	CORRIDOR	1x1 acoustical tile concealed spline
107	KINDERGARTEN	2x4 acoustical panel lay-in
108	CORRIDOR	Tectum panels suspended 1x1 acoustical tile glue to gyp.bd.
109	H.C. TOILET	1x1 acoustical tile glue to gyp.bd.
110	JANITOR'S CLOSET	Gyp.bd.
111	BOY'S ROOM	1x1 acoustical tile glue to gyp.bd.
112	GIRL'S ROOM	1x1 acoustical tile glue to gyp.bd.
113	WORK ROOM	1x1 acoustical tile glue to exst'g. slab
114	WOMEN'S ROOM	1x1 acoustical tile glue to exst'g.
115	MEN'S ROOM	1x1 acoustical tile glue to exst'g. slab
116	LOUNGE	1x1 acoustical tile glue to exst'g. slab
117	KITCHENETTE	1x1 acoustical tile glue to exst'g. slab
118	CAFETERIA	1x1 acoustical tile suspended-concealed spline
119	STORAGE	Existing
120	KITCHEN	2x2 metal acoustical tile suspended
121	TOILET	Existing
122	CORRIDOR	1x1 acoustical tile concealed spline
123	RAMP	Gyp.bd. - Suspended 1x1 acoustical tile concealed spline
124	STAIR #1	Gyp.bd. - suspended 1x1 acoustical tile concealed spline
125	JANITOR	Gyp.bd. - suspended
126	ELEVATOR MACHINE	Gyps.bd. - suspended
127	PSYCHOLOGY	1x1 acoustical tile concealed spline
128	SPEECH	1x1 acoustical tile concealed spline
129	CONFERENCE	1x1 acoustical tile concealed spline
130	CORRIDOR	1x1 acoustical tile concealed spline
131	CORRIDOR	Tectum panel screwed to gyp.bd.
132	STORAGE	Gyp.bd. - suspended
133	KILN	Existing
134	ART	2x4 acoustical panel Lay-in
135	HEALTH	Existing
136	TOILET	Existing
137	BOILER	Insulated ceiling Clip suspended
138	CLASSROOM	Existing
139	CLASSROOM	Existing
140	CLASSROOM	Existing
141	OFFICE	Existing
142	STORAGE	Existing
143	MEDIA	Existing
144	WORK ROOM	2x4 acoustical tile lay-in
145	CLASSROOM	Existing
146	STAIR #3	2x4 acoustical tile Lay-in
147	STAIR #2	Existing, gyp.bd. tectum panel screwed to gyp.bd.
148	CORRIDOR	1x1 acoustical tile concealed spline
149	SECRETARY/ RECEPTION	Gyp.bd. Screwed to rafters
150	WORK ROOM	1x1 acoustical tile concealed spline
151	PRINCIPAL	Gyp.bd. Screwed to rafters

ROOM #	ROOM NAME	CEILING TYPE
152	CONFERENCE	Gyp.bd.-screwed to rafters 1x1 acoustical tile concealed spline
153	STORAGE	1x1 acoustical tile concealed spline
154	TOILET	1x1 acoustical tile concealed spline
155	CORRIDOR	1x1 acoustical tile concealed spline
156	GIRLS ROOM	Existing
157	BOYS ROOM	Existing
158	H.C. TOILET	1x1 acoustical tile concealed spline
159	GIRLS LOCKER	Existing
160	LEARNING DISABLED	2x4 acoustical panel Lay in
161	BOYS LOCKER	Existing
162	TALENTED & GIFTED	2x4 acoustical panel Lay in
163	STORAGE	Gyp. bd. suspended
164	CORRIDOR	Gyp.bd. suspended - 1x1 acoustical tile concealed spline
165	GYMNASIUM	Existing
166	DRESSING	Existing
167	STAIR #4	Existing
168	DRESSING	Existing
169	STAIR #5	Existing
170	STORAGE	Gyp.bd. suspended
171	VESTIBULE	1x1 acoustical tile concealed grid
* 172	STORAGE (SEE BELOW)	
201	STAIR #1	Tectum panel Screwed to Gyp.bd.
202	JANITOR CLOSET	Gyp.bd. Screwed to rafters
203	BOYS ROOM	Tectum panel Screwed to gyp.bd.
204	GIRLS ROOM	Tectum panel Screwed to gyp.bd.
205	CLASSROOM	Tectum panel Screwed to gyp.bd.
206	H.C. TOILET	1x1 acoustical tile concealed spline
207	STORAGE	Gyp.bd. screwed to rafters
208	CLASSSROOM	Tectum panel screwed to gyp.bd.
209	CORRIDOR	Tectum panel screwed to gyp.bd.
210	CLASSROOM	Tectum panel screwed to gyp.bd.
211	STAIR #2	Gyp.bd.- suspended Tectum panel screwed to gyp.bd.
212	CLASSROOM	Tectum panel screwed to gyp.bd.
213	CLASSROOM	Tectum panel screwed to gyp.bd.
214	CLASSROOM	Tectum panel screwed to gyp.bd.
215	CLASSROOM	Tectum panle screwed to gyp.bd.
216	CLOSET	Gyp.bd. screwed to rafters
217	VESTIBULE	Tectum panel screwed to gyp.bd.

* 172	STORAGE	GYP.BD. SCREWED TO RAFTERS



STATE OF CONNECTICUT
CAROL JAMES LAWLER
REGISTERED ARCHITECT
NO. 7838

C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
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HARTFORD, CT. 06107 (203) 236-2265
STRUCTURAL:
GIRARD A. CO. ENGINEERS
42 WEHRENBERG CIRCLE
WILLINGFORD, CT. 06492 (203) 634-1594

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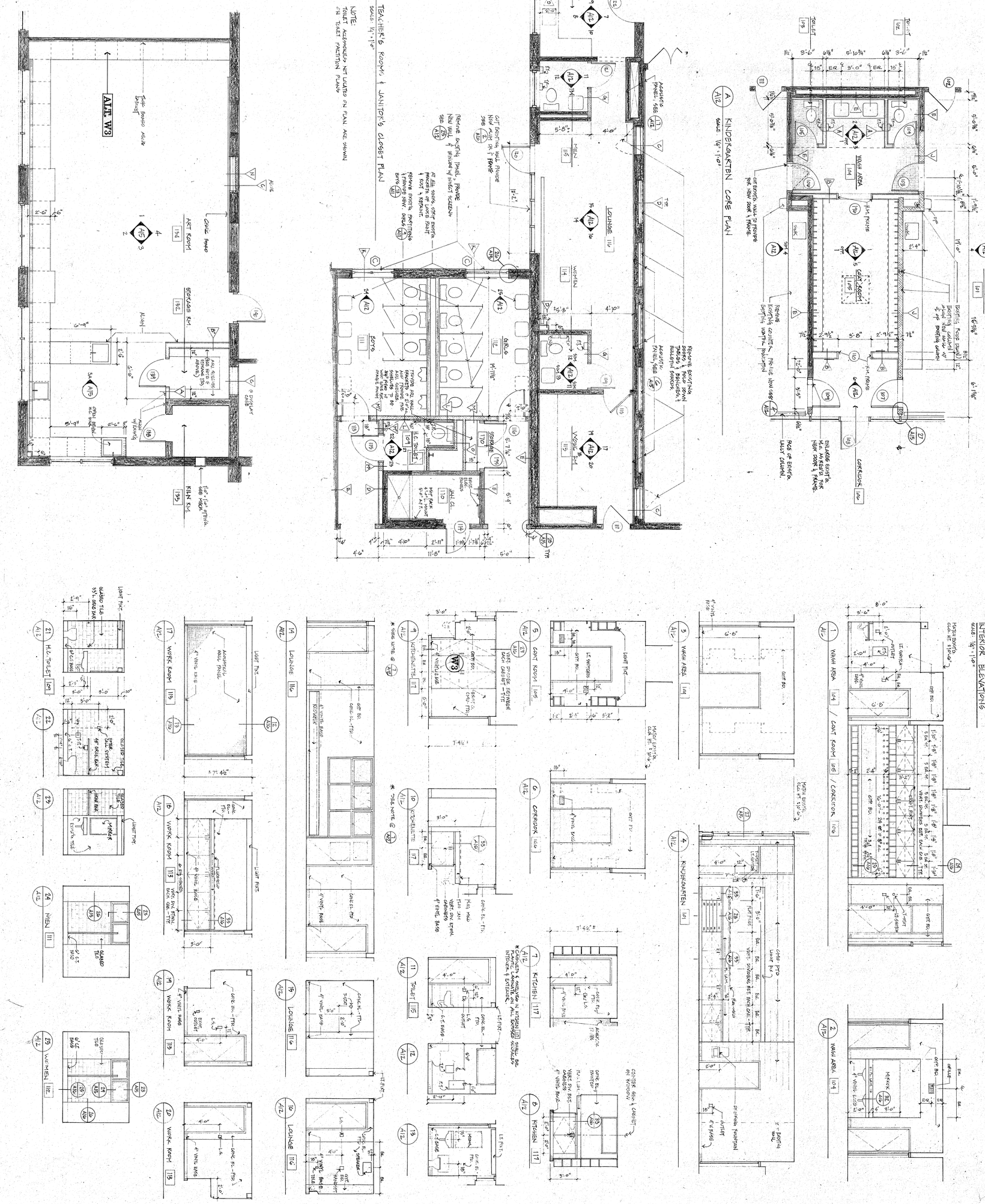
REFLECTED CEILING PLANS - FIRST FLOOR - NORTHWEST, SECOND FLOOR and CEILING SCHEDULE

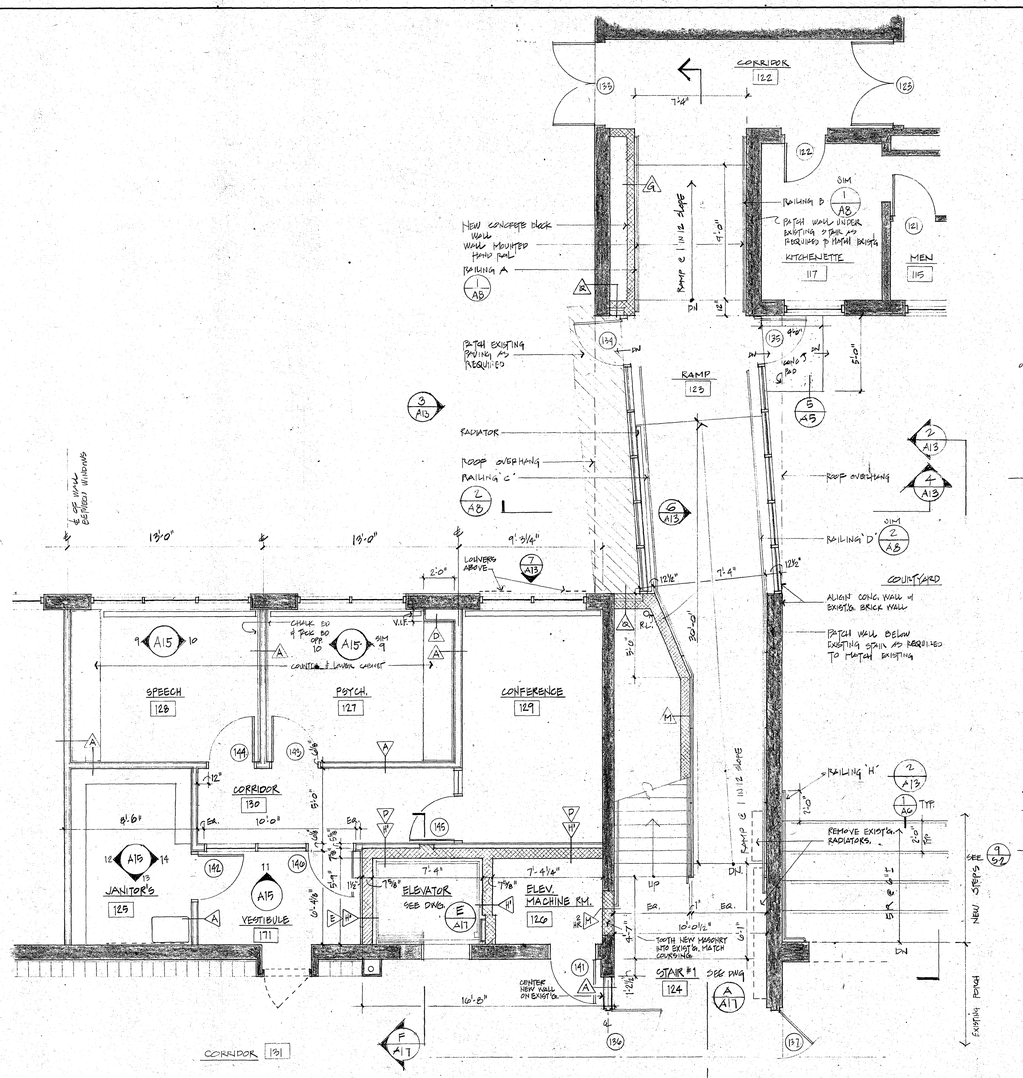
SCALE 1/8"=1'-0"
DRAWN BY DJW
DATE SEPT 1, 1989
REVISED

A10

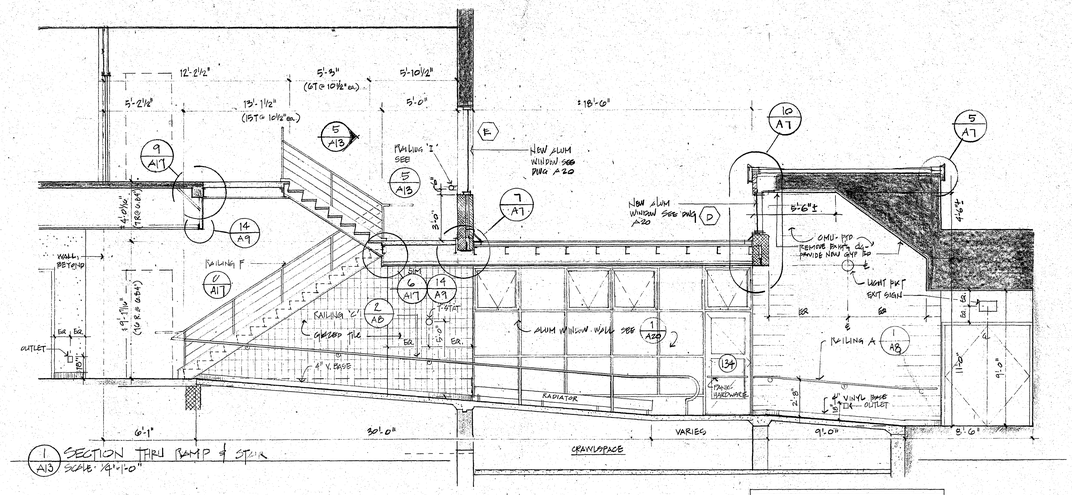


A12	ENLARGED PLANS & ELEVATIONS - KINDERGARTEN, TEACHER'S LOUNGE & TOILETS & ART RM. & PART. ALT. W3 SCALE 1/4" = 1'-0" DRAWN BY VAS DATE SEPT. 1, 1988 REVISED	CONSULTANTS : MECHANICAL & ELECTRICAL : BURTON & VANHOUTEN ENGINEERS INC. 10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-2365 STRUCTURAL : GIRARD & CO. ENGINEERS 40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1594	C. J. LAWLER ASSOCIATES ARCHITECTS & PLANNERS 7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-8526

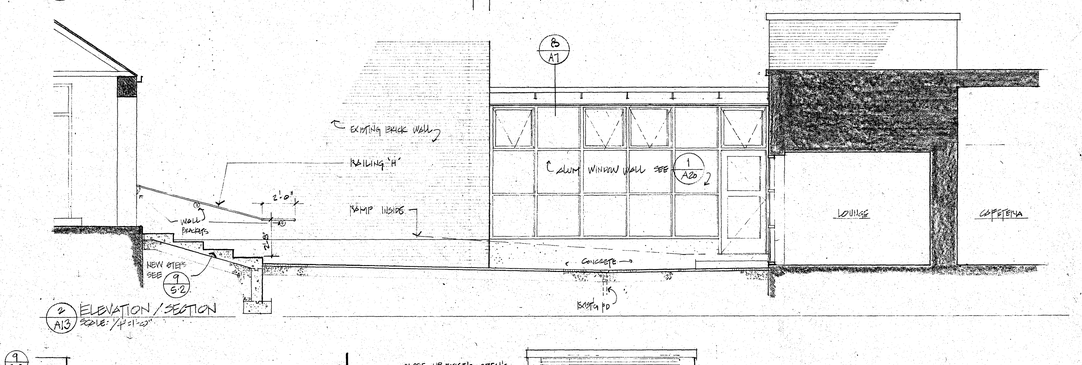
WASHINGTON PRIMARY SCHOOL



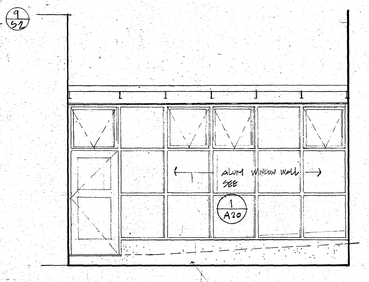
A/A13 FIRST FLOOR STAIR, CONNECTION RAMP, ELEVATOR & SPECIAL SERVICES - PLAN
SCALE: 1/4" = 1'-0"



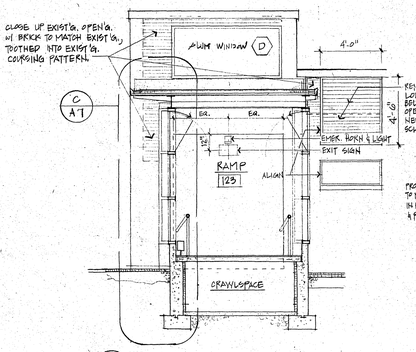
1/A13 SECTION THRU RAMP & STAIR
SCALE: 1/4" = 1'-0"



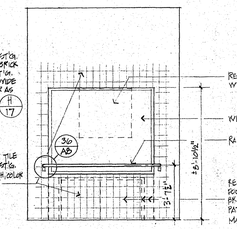
2/A13 ELEVATION / SECTION
SCALE: 1/4" = 1'-0"



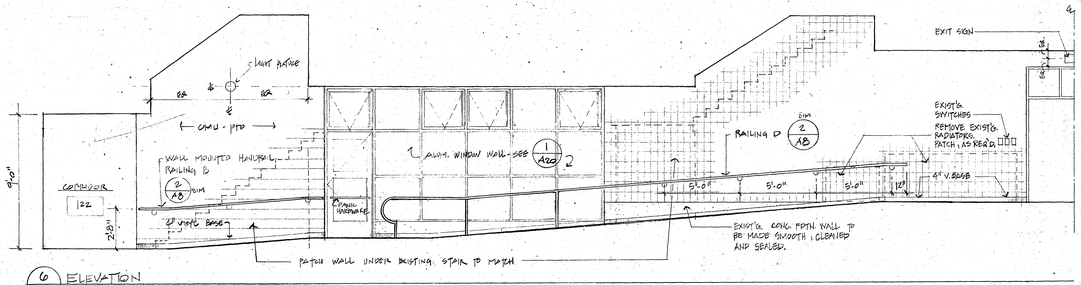
3/A13 ELEVATION
SCALE: 1/4" = 1'-0"



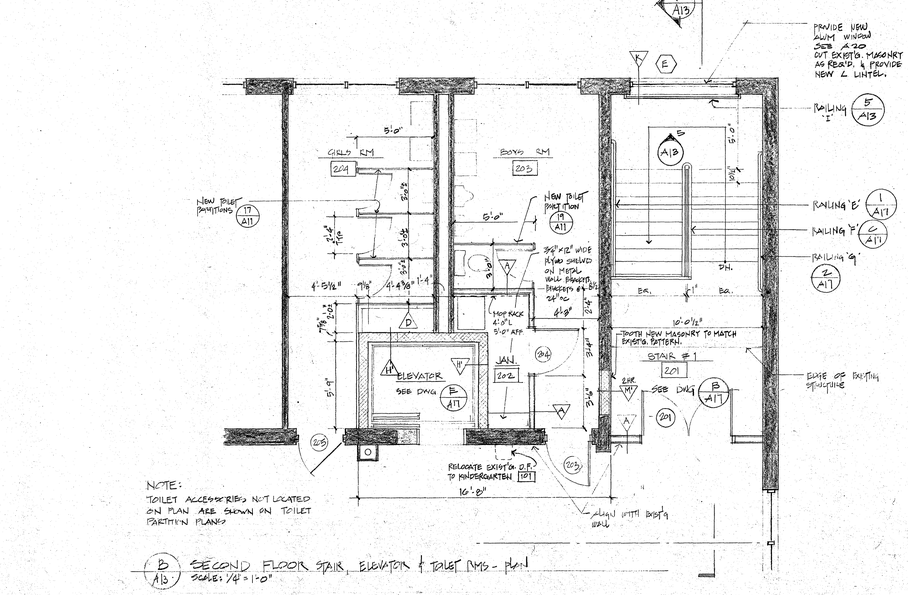
4/A13 SECTION
SCALE: 1/4" = 1'-0"



5/A13 STAIR #1 LANDING ELEVATION
SCALE: 1/4" = 1'-0"

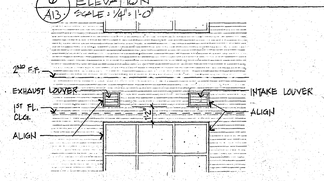


6/A13 ELEVATION
SCALE: 1/4" = 1'-0"



NOTE:
TOILET ACCESSORIES NOT LOCATED ON PLAN ARE SHOWN ON TOILET PARTITION PLANS

B/A13 SECOND FLOOR STAIR, ELEVATOR & TOILET RMS - PLAN
SCALE: 1/4" = 1'-0"



7/A13 PARTIAL EXT. ELEVATION
SCALE: 1/4" = 1'-0"

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GIRARD & CO. ENGINEERS
40 WATERSFIELD AVENUE EASTFORD, CT. 06114 (203) 456-1884

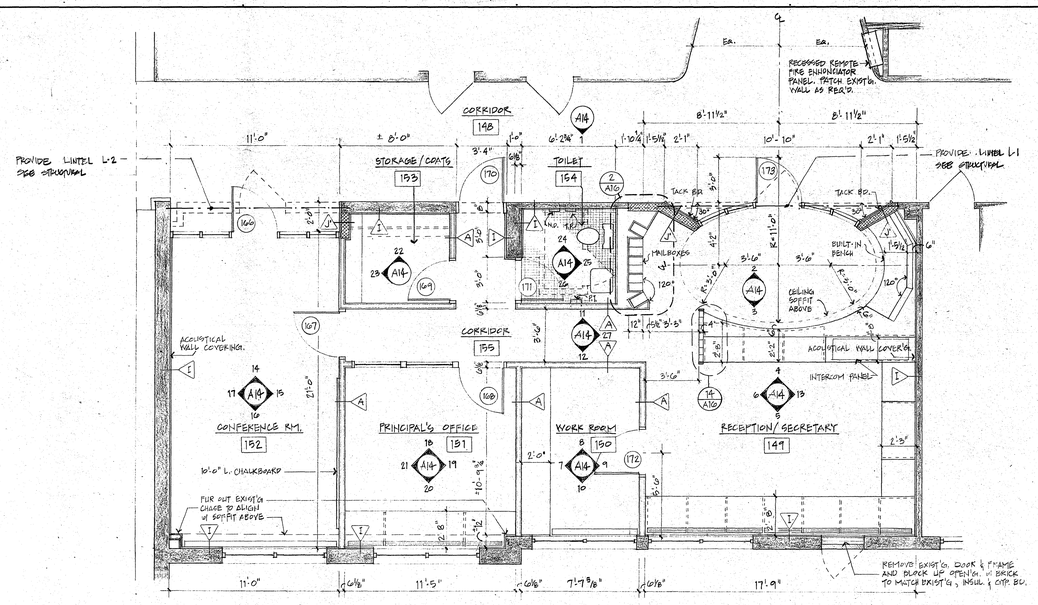
CONSULTANTS:
MECHANICAL & ELECTRICAL:
CIVIL/STRUCTURAL:

ENLARGED PLANS & ELEVATIONS - STAIR #1, ELEVATOR, RAMP, SPECIAL SERVICES, and TOILETS

SCALE 1/4" = 1'-0"
DRAWN BY C.F.G., VAG
DATE SEPT. 1, 1985
REVISED

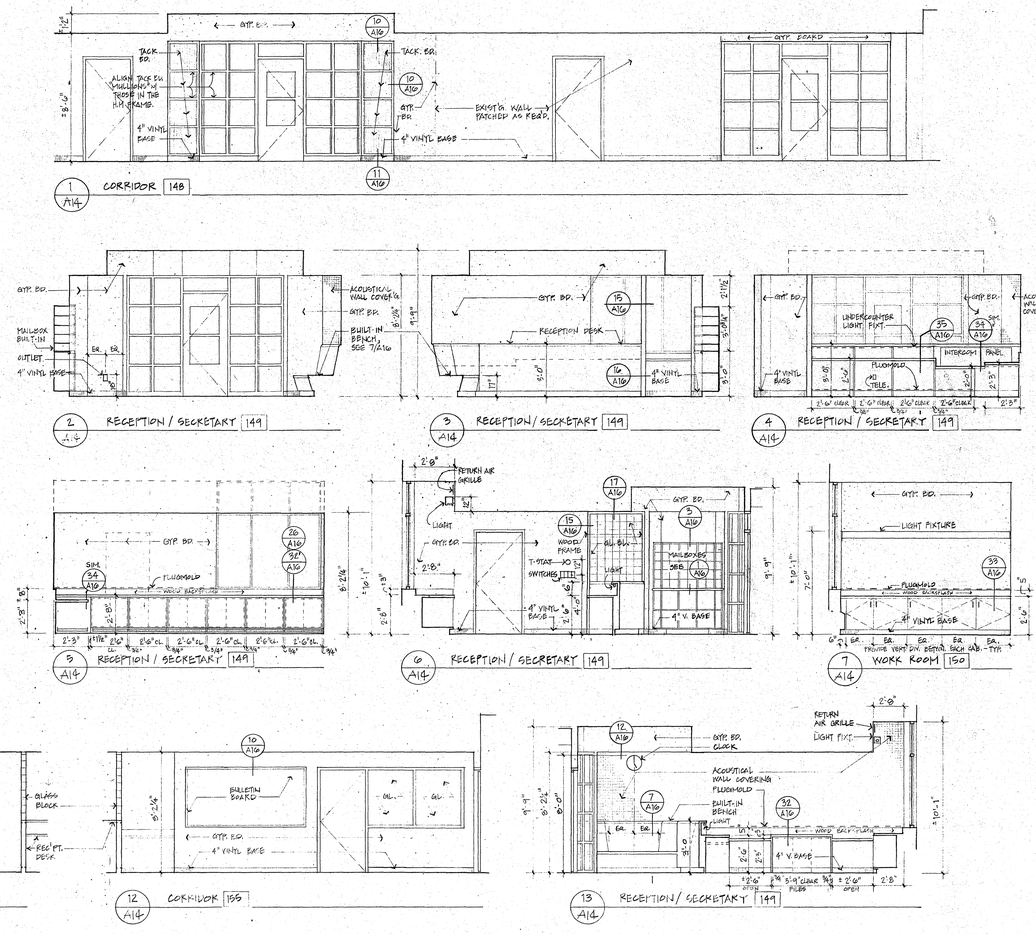
A13

WASHINGTON PRIMARY SCHOOL

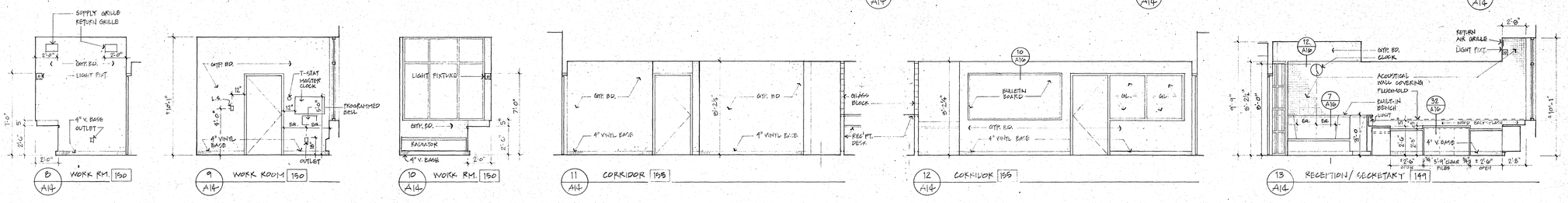


A / A14 RECEPTION AREA & MAIN OFFICES
SCALE: 1/4" = 1'-0"

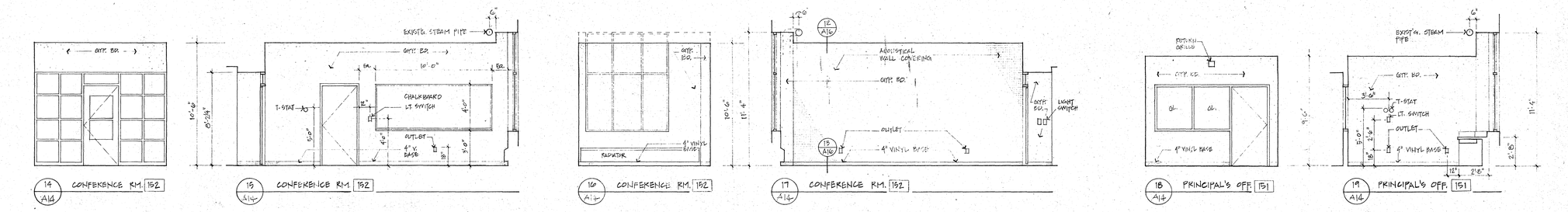
INTERIOR ELEVATIONS
SCALE: 1/4" = 1'-0"



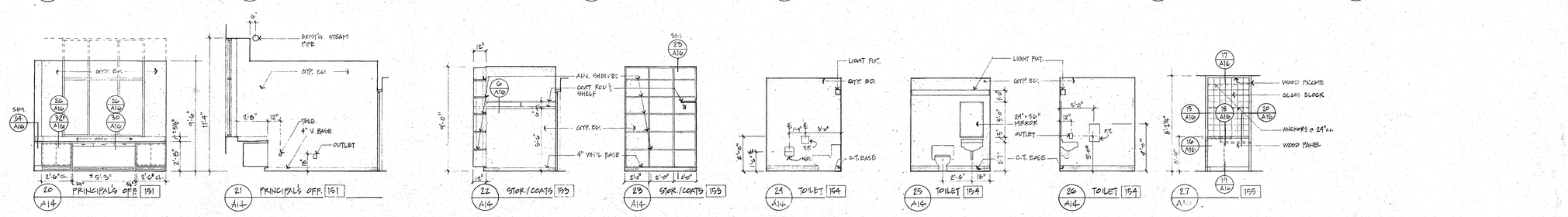
1 / A14 CORRIDOR 148
2 / A14 RECEPTION / SECRETARY 149
3 / A14 RECEPTION / SECRETARY 149
4 / A14 RECEPTION / SECRETARY 149
5 / A14 RECEPTION / SECRETARY 149
6 / A14 RECEPTION / SECRETARY 149
7 / A14 WORK ROOM 150



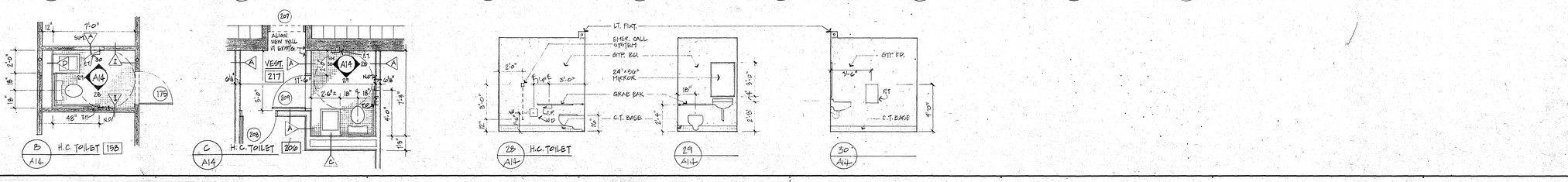
8 / A14 WORK RM. 150
9 / A14 WORK ROOM 150
10 / A14 WORK RM. 150
11 / A14 CORRIDOR 155
12 / A14 CORRIDOR 155
13 / A14 RECEPTION / SECRETARY 149



14 / A14 CONFERENCE RM. 152
15 / A14 CONFERENCE RM. 152
16 / A14 CONFERENCE RM. 152
17 / A14 CONFERENCE RM. 152
18 / A14 PRINCIPAL'S OFF. 151
19 / A14 PRINCIPAL'S OFF. 151



20 / A14 PRINCIPAL'S OFF. 151
21 / A14 PRINCIPAL'S OFF. 151
22 / A14 STOR./COATS 153
23 / A14 STOR./COATS 153
24 / A14 TOILET 154
25 / A14 TOILET 154
26 / A14 TOILET 154
27 / A14 155



3 / A14 H.C. TOILET 153
6 / A14 H.C. TOILET 206
28 / A14 H.C. TOILET
29 / A14
30 / A14

C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-6626

STATE OF CONNECTICUT · CHARTER NO. 298 · REGISTERED ARCHITECT

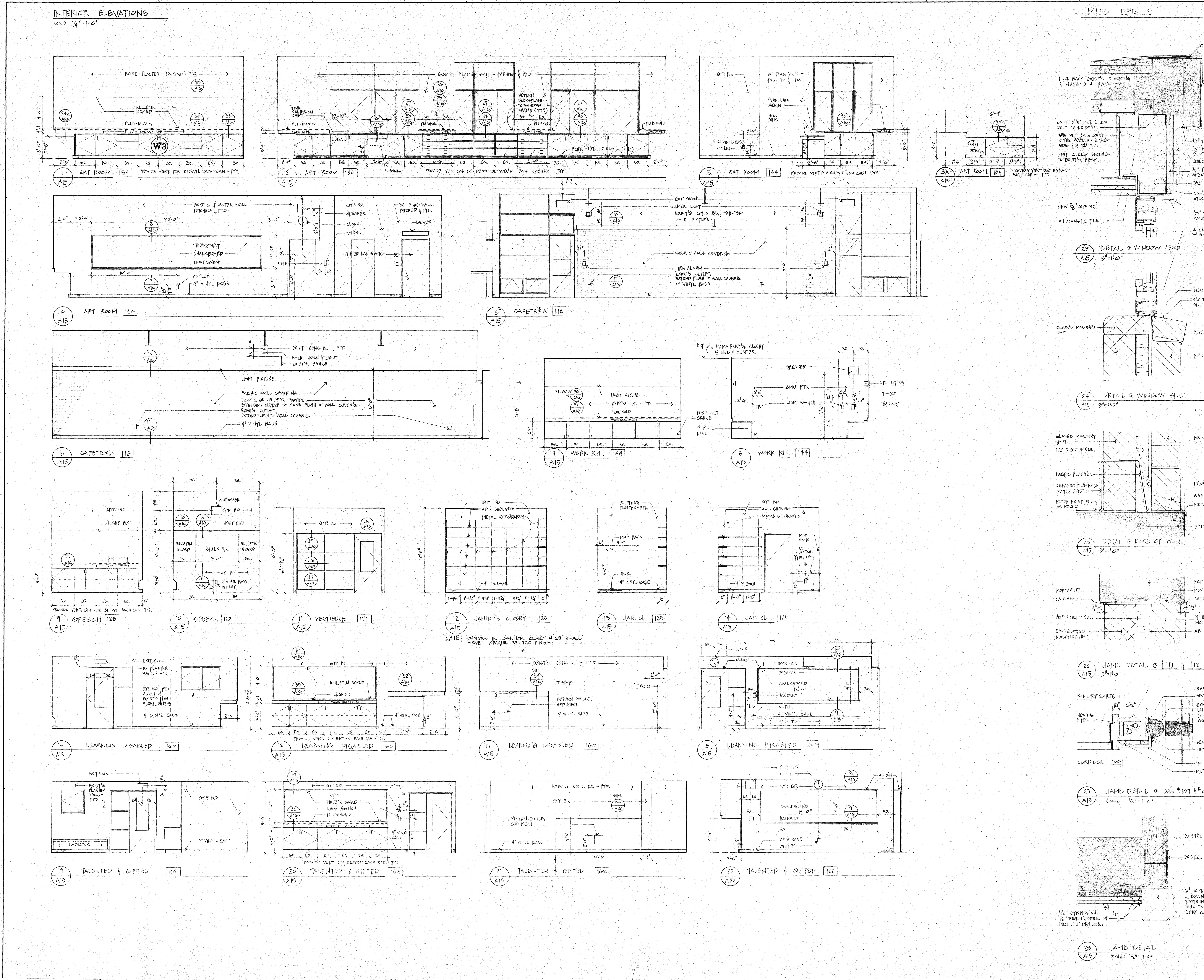
CONSULTANTS:
MECHANICAL & ELECTRICAL: BURTON & VANHOUTEN ENGINEERS INC. 10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-2866
STRUCTURAL: GIRARD & CO. ENGINEERS 48 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1594

ENLARGED PLANS & ELEVATIONS - MAIN OFFICES, and H.C. TOILETS

SCALE 1/4" = 1'-0"
DRAWN BY VAS
DATE SEPT. 1, 1982
REVISED

A14

WASHINGTON PRIMARY SCHOOL



C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-5526

CONSULTANTS:

MECHANICAL & ELECTRICAL: BURTON & VANHOUTEN ENGINEERS INC.

STRUCTURAL: GIRARD & CO. ENGINEERS

MISC. INTERIOR ELEVATIONS & DETAILS & PARTIAL ALT. W3

SCALE 1/4" = 1'-0" & AS NOTED

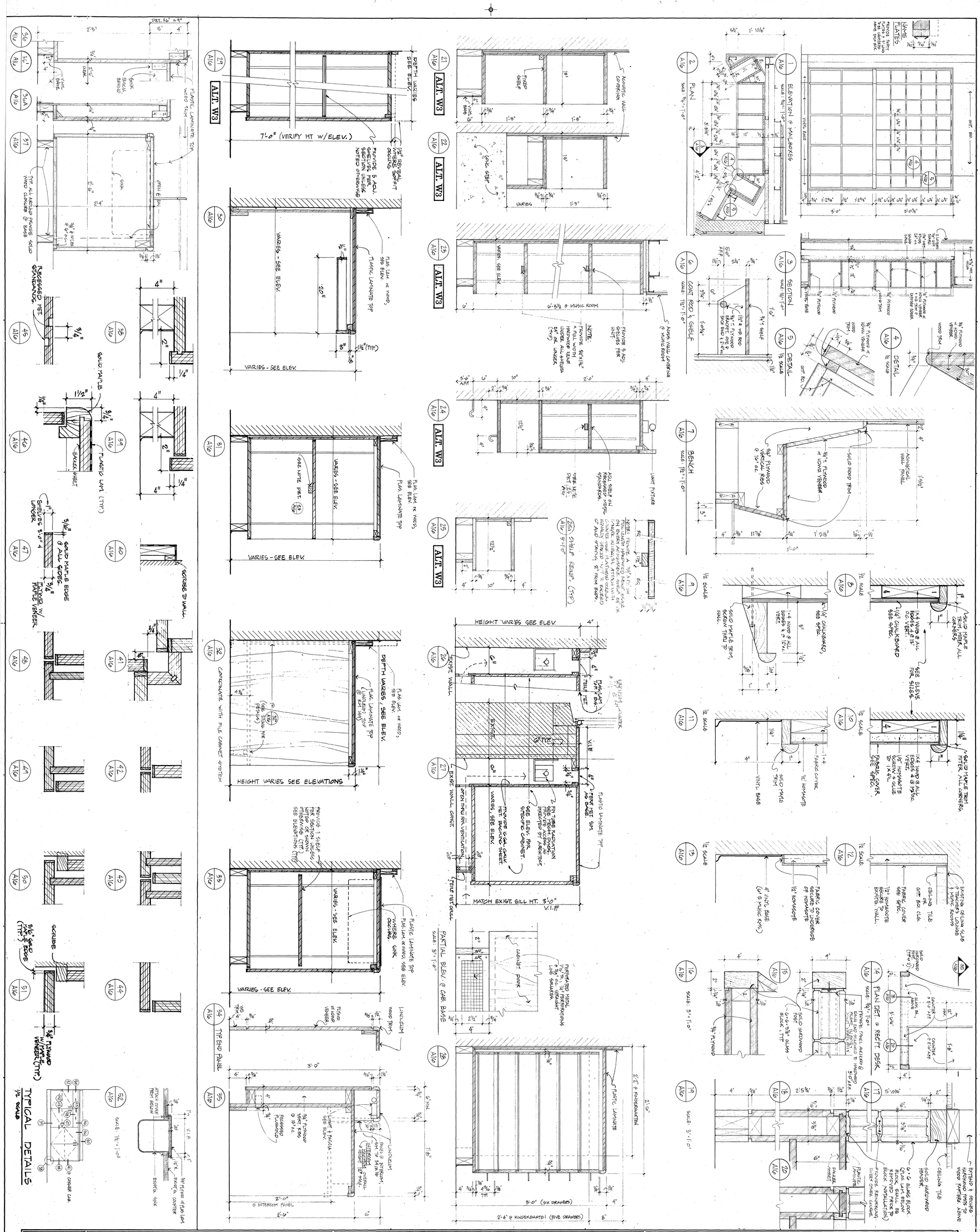
DATE SEPT. 1988

DRAWN BY

REVISED

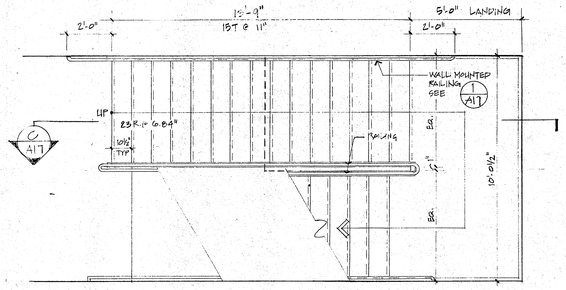
WASHINGTON PRIMARY SCHOOL

A15

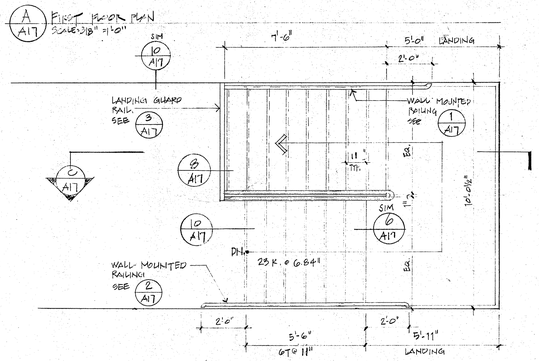


A16	MILLWORK DETAILS & PART. ALT. W3	CONSULTANTS:	C. J. LAWLER ASSOCIATES
	SCALE: 1½"=1'-0"	MECHANICAL & ELECTRICAL: BURTON & VANHOUTEN ENGINEERS INC. 10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-2265	ARCHITECTS & PLANNERS
	DATE: SEPT. 1, 1988	STRUCTURAL: GIRARD & CO. ENGINEERS 48 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1594	7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-8526
	DRAWN BY: RM, VAG		
	REVISION:		

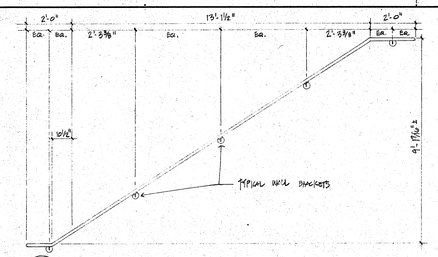
WASHINGTON PRIMARY SCHOOL



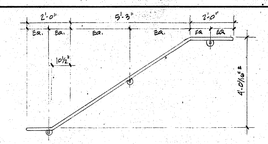
A/A17 FIRST FLOOR PLAN
SCALE: 3/8" = 1'-0"



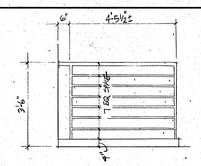
B/A17 SECOND FLOOR PLAN
SCALE: 3/8" = 1'-0"



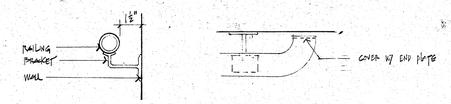
1/A17 RAILING E ELEVATION
SCALE: 3/8" = 1'-0"



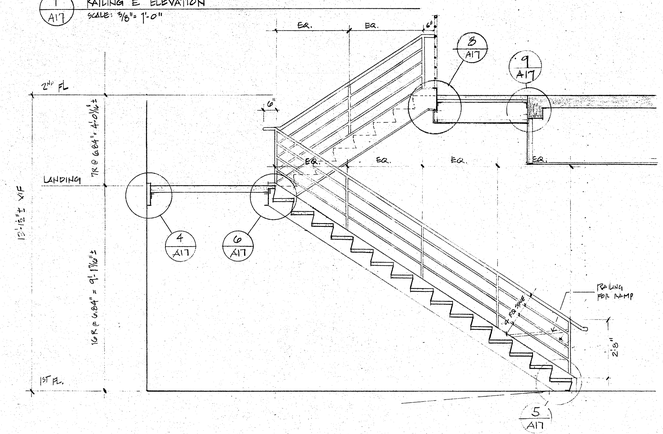
2/A17 RAILING G ELEVATION
SCALE: 3/8" = 1'-0"



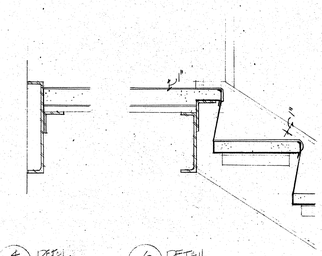
3/A17 GUARD RAIL ELEVATION
SCALE: 3/8" = 1'-0"



7/A17 DETAIL
SCALE: 3" = 1'-0"

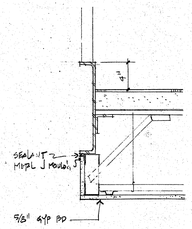


5/A17

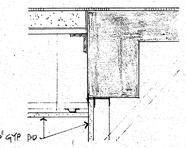


4/A17 DETAIL
SCALE: 1½" = 1'-0"

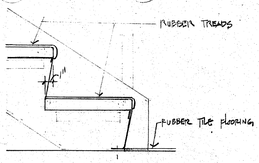
6/A17 DETAIL
SCALE: 1½" = 1'-0"



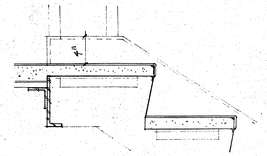
8/A17 DETAIL
SCALE: 1½" = 1'-0"



9/A17 DETAIL
SCALE: 1½" = 1'-0"

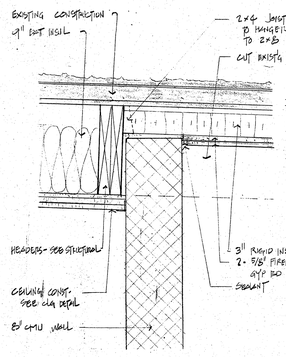


5/A17 DETAIL
SCALE: 1½" = 1'-0"

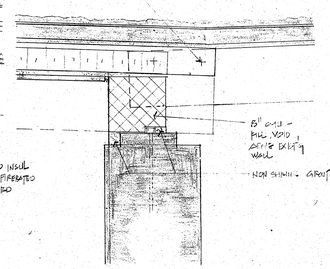


10/A17 DETAIL
SCALE: 1½" = 1'-0"

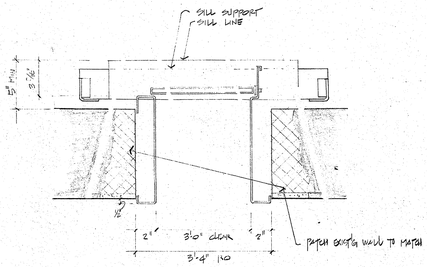
C/A17 SECTION
SCALE: 3/8" = 1'-0"



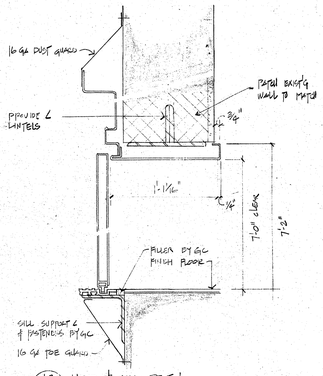
13/A17 1½" = 1'-0"



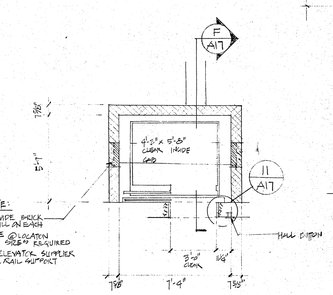
14/A17 1½" = 1'-0"



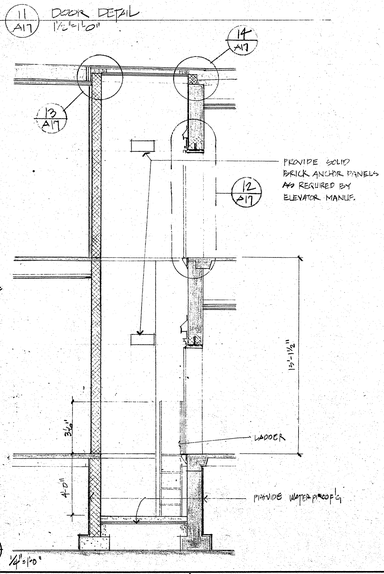
11/A17 DOOR DETAIL
1½" = 1'-0"



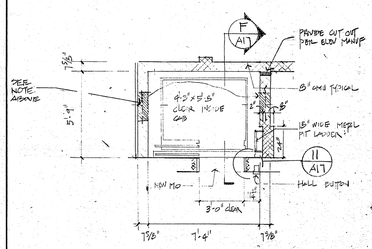
12/A17 HEAD & SILL DETAIL
1½" = 1'-0"



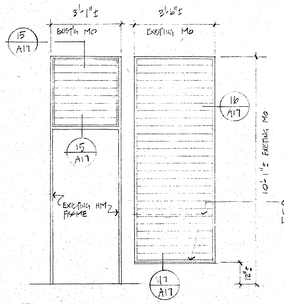
D/A17 SECOND FLOOR ELEVATOR PLAN
SCALE: 1/4" = 1'-0"



F/A17 1/4" = 1'-0"

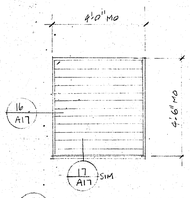


E/A17 FIRST FLOOR ELEVATOR PLAN
SCALE: 1/4" = 1'-0"



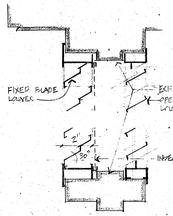
G/A17 LOUVERS & BOILER RM - ELEVATIONS
SCALE: 3/8" = 1'-0"

NOTE: REMOVE EXISTING METAL WINDOWS. PROVIDE NEW LOUVERS

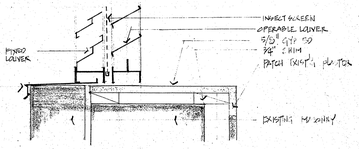


H/A17 LOUVERS @ FAN RM ELEVATION
SCALE: 3/8" = 1'-0"
NOTE: SEE DWG 4/A13 FOR ADDITIONAL NOTES.

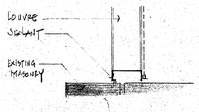
NOTE:
PROVIDE BIRD SCREEN @ MECHANICAL UNITS



15/A17 DETAIL
SCALE: 3" = 1'-0"



17/A17 DETAIL
SCALE: 3" = 1'-0"



16/A17 DETAIL
SCALE: 3" = 1'-0"

C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-8526

CONSULTANTS:
MECHANICAL & ELECTRICAL: BURTON & VANHOUTEN ENGINEERS INC.
10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-2865
STRUCTURAL: GIRARD & CO. ENGINEERS
40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1664

STAIR #1, ELEVATOR and LOUVER DETAILS

SCALE AS NOTED
DRAWN BY CJL
DATE SEPT. 1, 1988
REVISED

A17

WASHINGTON PRIMARY SCHOOL

DOOR SCHEDULE

DR. NO.	OPENING TO	DOOR WIDTH	DOOR HGTH.	DOOR MAT.	DOOR TCKNS.	DOOR TYPE	FRAME MAT.	FRAME TYPE	FRAME HEAD	FRAME JAMB	FRAME SILL	UL LABEL	HDWR SET	REMARKS
B01	EXTERIOR	3'-0"	6'-11"	HM	1 3/8"	FG	HM	T-1	H2	J5/J4	S4*	—	1	
B02	STORAGE B02	↓	5'-0"	↓	↓	F	↓	T-1	J-1	J-1	—	B	2	
B03	MUSICAL HGTH. B04	↓	3'-0"	↓	↓	F	↓	T-4	H2 DIM	J5	—	B	3	
B04	VESTIBULE B03	↓	6'-9"	↓	↓	FG	↓	T-2	J-2'	J2	—	C	4	
B05	VESTIBULE B03	↓	6'-9"	↓	↓	FG	↓	T-2	J-2'	J2	—	C	4	
B06	STORAGE B06	↓	7'-0"	↓	↓	F	↓	T-1	H2	J5	—	B	5	
B07	STAIR #3	↓	7'-0"	↓	↓	FNV	EXISTING	FRAME				B	6	V.I.F FOR EXACT DOOR SIZE
B08	EXTERIOR	↓	6'-9"	↓	↓	FG	HM	T-2	H2	J5	S4*	—	7	
B09	EXTERIOR	↓	6'-1"	↓	↓	FG	↓	T-1	H2	J5	S4*	—	1	
B10	EXTERIOR	NO WORK										→	—	
B11	EXTERIOR	NO WORK										→	—	
B12	EXTERIOR	PR 2'-6"	7'-0"	HM	1 3/8"	FG	EXISTING	FRAME			S4*	—	8	VIF FOR EXACT DOOR SIZE
B13	MECH. RM. B09	2'-8"	7'-0"	HM	1 3/8"	FNV	EXISTING	FRAME				B	5	VIF FOR EXACT DOOR SIZE
B14	DUCT SPACE B10	NO WORK										→	—	
B14A	DUCT SPACE B10	NO WORK										→	—	
B15	MECH. RM. B09	NO WORK										→	—	
B16	STORAGE B13	NO WORK										→	—	
B17	EXTERIOR	SEE REMARKS										→	—	REGLAZE
B18	EXTERIOR	SEE REMARKS										→	—	REGLAZE
B19	VESTIBULE B14	SEE REMARKS										→	—	REGLAZE
B20	STAIR #5	3'-0"	7'-0"	HM	1 3/4"	FNV	EXISTING	FRAME			→	B	6	VIF FOR EXACT DOOR SIZE
B21	TOILET B16	NO WORK										→	—	
B22	VESTIBULE B14	NO WORK										→	—	
B23	EXTERIOR	PR 2'-6"	7'-0"	HM	1 3/8"	FG	EXISTING	FRAME			→	B	8	VIF FOR EXACT DOOR SIZE – REGLAZE
B24	STORAGE	3'-0"	6'-10"	HM	1 3/4"	F	HM	T-1	J-5	J-5	—	B	5	
101	EXTERIOR	PR. 3'-0"	6'-8"	HM	1 3/4"	FG	HM	T-1	H3	J5	S4	—	8	
102	CORRIDOR 108	NO WORK										→	—	
103	WASH AREA 104	3'-0"	6'-8"	WD	1 3/4"	F	HM	T-1	H4	J-4	S3	—	9	
104	TOILET 102	2'-8"	↓	↓	↓	↓	↓	↓	J-1	J-1	—	—	9	
105	TOILET 103	2'-8"	↓	↓	↓	↓	↓	↓	J-1	J-1	—	—	9	
106	WASH AREA 104	3'-0"	↓	↓	↓	↓	↓	↓	J-4	H-4	S3	—	9	VIF FOR EXACT DOOR SIZE
107	CORRIDOR 106	3'-0"	↓	↓	↓	F	HM	T3	J-3	J-4	S-2	—	9	SEE 27/A15
108	EXTERIOR	SEE REMARKS										→	—	REGLAZE
109	CORRIDOR 106	3'-0"	6'-8"	WD	1 3/4"	F	HM	T3	J3	J-4	S-2	—	9	SEE 27/A15
110	COAT ROOM 105	NO DOOR					HM	T-1	J3	J-3	—	—	—	FRAME SIZE: 3'-11" x 6'-9 1/2"
111	CORRIDOR 108	SEE REMARKS										→	—	REGLAZE
112	EXTERIOR	SEE REMARKS										→	—	REGLAZE
113	CORRIDOR 108	3'-0"	6'-8"	WD	1 3/4"	F	HM	T-1	H4'	J-4'	S3 SIM	C	10	
114	JANITOR'S CL. 110	2'-8"	↓	↓	↓	↓	EXISTING	FRAME				B	5	V.I.F. FOR EXACT DOOR SIZE
115	CORRIDOR 108	3'-0"	↓	↓	↓	↓	HM	T-1	H-4'	J-4'	—	C	9	
116	CORRIDOR 108	↓	↓	↓	↓	↓	↓	↓	H4'	J-4'	S3 SIM	C	10	
117	WORK ROOM 113	NO WORK										→	—	
118	WORK ROOM 113	NO WORK										→	—	
119	LOUNGE 116	3'-0"	6'-8"	WD	1 3/4"	F	HM	T-1	J-2'	J-2' SIM	S3	—	11	
120	EXTERIOR	ALUM	DR SEE	A2/A20			ALUM	FRAME	SEE 3/A20		S4*	—	1	
121	LOUNGE 116	3'-0"	6'-8"	WD	1 3/4"	F	HM	T-1	J-2'	J-2' SIM	S-3	—	11	
122	KITCHENETTE 117	2'-8"	6'-8"	↓	↓	FNV	EXISTING	FRAME				B	12	VIF FOR EXACT DOOR SIZE
123	CORRIDOR 122	PR 2'-10"	6'-7 1/2"	↓	↓	FNV	EXISTING	FRAME				B	13	VIF FOR EXACT DOOR SIZE
124	CORRIDOR 108	SEE REMARKS										→	—	REGLAZE
125	EXTERIOR	SEE REMARKS										→	—	REGLAZE
126	EXTERIOR	SEE REMARKS										→	—	REGLAZE
127	KITCHEN 120	NO WORK										→	—	
128	KITCHEN 120	NO WORK										→	—	
129	KITCHEN 120	NO WORK										→	—	
130	EXTERIOR	SEE REMARKS										→	—	REGLAZE
131	KITCHEN 120	NO WORK										→	—	
132	TOILET 121	NO WORK										→	—	
133	EXTERIOR	PR 2'-10"	7'-2"	WD	1 3/8"	FG	EXISTING	FRAME			S4	—	8	VIF FOR EXACT DOOR SIZE
134	EXTERIOR	ALUM	DR SEE	A1/A20			ALUM	FRAME	SEE 1/A20		S4		7	
135	EXTERIOR	ALUM	DR SEE	A1/A20			ALUM	FRAME	SEE 1/A20		S4		7	
136	STAIR #1	PR 3'-0"	6'-10"	HM	1 3/4"	FNV	HM	T-1	J-1	J-1	—	B	14	
137	EXTERIOR	PR 3'-0"	7'-0"	HM	1 3/4"	FG	EXISTING	FRAME				—	8	VIF FOR EXACT DOOR SIZE
138	ART ROOM 134	3'-1"	6'-5"	HM	1 3/4"	F	HM	T-1	J-13	J-13	—	B	3	
139	ART ROOM 134	3'-0"	6'-8"	HM	1 3/4"	F	HM	T-1	J-1	J-1	—	B	3	

DOOR SCHEDULE

DR. NO.	OPENING TO	DOOR WIDTH	DOOR HGTH.	DOOR MAT.	DOOR TCKNS.	DOOR TYPE	FRAME MAT.	FRAME TYPE	FRAME HEAD	FRAME JAMB	FRAME SILL	UL LABEL	HDWR SET	REMARKS
140	CORRIDOR 131	3'-0"	6'-10"	HM	1 3/4"	FNV	HM	T-1	J-12	J-12	—	C	9	
141	CORRIDOR 131	↓	↓	↓	↓	F	↓	↓	J-12	J-12	—	B	2	
142	VESTIBULE 171	↓	↓	↓	↓	↓	↓	↓	J-2	J-2	—	B	5	
143	PSYCHOLOGY 127	↓	↓	↓	↓	↓	↓	↓	J-1	J-1	—	—	9	
144	SPEECH 128	↓	↓	↓	↓	↓	↓	↓	↓	J-1	—	—	9	
145	CORRIDOR 130	↓	↓	↓	↓	FG	↓	T-2	↓	J-1/J-9	—	—	9	
146	VESTIBULE 171	↓	↓	↓	↓	FG	HM	T-5	↓	J-1/J-9	—	C	9	
147	CORRIDOR 131	↓	↓	↓	↓	FG	EXISTING	FRAME				C	9	SEE PKG 3/A7 FOR FRAME MODIFICATION DETAILS & VIF FOR EXACT DR. SIZE
148	CORRIDOR 131	↓	↓	↓	↓	FG	EXISTING	FRAME				C	9	↓
149	CORRIDOR 131	↓	↓	↓	↓	FG	EXISTING	FRAME				C	9	↓
150	STORAGE 142	↓	7'-0"	↓	↓	F	HM	T-1	J-1	J-1	—	B	5	
151	MEDIA CENTER 143	NO	WORK									→	9	
152	STAIR #3	3'-0"	7'-0"	HM	1 3/4"	FNV	EXISTING	FRAME				B	12	VIF FOR EXACT DOOR SIZE
153	STAIR #3	3'-0"	7'-0"	HM	1 3/8"	FNV	EXISTING	FRAME				B	12	VIF FOR EXACT DOOR SIZE
154	EXTERIOR	SEE REMARKS										→	—	REGLAZE
155	EXTERIOR	SEE REMARKS										→	—	REGLAZE
156	EXTERIOR	SEE REMARKS										→	—	REGLAZE
157	EXTERIOR	3'-0"	7'-2"	HM	1 3/4"	FG	HM	T2	H2	J-2	S4	—	1	VIF FOR EXACT M.O.
158	EXTERIOR	SEE REMARKS										→	—	REGLAZE
159	STAIR #2	PR. 3'-0"	6'-10"	HM	1 3/4"	FNV	HM	T-1	J-1	J-1	—	B	14	
160	HEALTH RM. 135	3'-0"	6'-10"	HM	1 3/4"	FG	EXISTING	FRAME				C	9	VIF FOR EXACT DOOR SIZE
161	TOILET RM 136	NO	WORK										—	
162	EXTERIOR	2'-10"	6'-10"	HM	1 3/8"	LI	EXISTING	FRAME					1	VIF FOR EXACT DOOR SIZE
163	EXTERIOR	PR 3'-0"	6'-10"	HM	1 3/8"	FG	HM	T-9	H-1	J-16	S4	—	8	
164	CORRIDOR 148	3'-0"	7'-0"	WD	1 3/8"	F	HM	T-1	J-13	J-13	—	C	10	
165	CORRIDOR 148	3'-0"	6'-10"	HM	1 3/4"	F	EXISTING	FRAME				B	5	VIF FOR EXACT DOOR SIZE
166	CORRIDOR 148	3'-0"	6'-10"	WD	1 3/8"	G2	HM	T-6	J-1/J-5	J5/J-9	S-1	C	10	
167	CORRIDOR 153	↓	↓	↓	↓	F	↓	T-1	J-1	J-1	—	—	9	
168	PRINCIPAL 151	↓	↓	↓	↓	↓	↓	T-3	↓	J-1/J-9	—	—	9	
169	STORAGE 153	↓	↓	↓	↓	↓	↓	T-1	↓	J-1	—	B	2	
170	CORRIDOR 148	↓	↓	↓	↓	↓	↓	↓	↓	↓	S-1	C	9	
171	TOILET 154	↓	↓	↓	↓	↓	↓	↓	↓	↓	S-3	—	11	
172	WORK ROOM 150	↓	↓	↓	↓	↓	↓	↓	↓	↓	—	B	2	
173	CORRIDOR 148	↓	↓	↓	↓	G2	↓	T-7	J-1/J-5	J10/J15 J-9	S-1	C	10	
174	CORRIDOR 148	↓	7'-0"	↓	↓	F	↓	T-1	J-13	J-13	—	C	10	
175	CORRIDOR 164	↓	↓	↓	↓	F	↓	T-1	J-13	J-13	S-3 SIM	C	9	
176	CORRIDOR 164	↓	↓	↓	↓	F	↓	T-1	J-1	J-1	S-3 SIM	C	9	
177	CORRIDOR 164	↓	↓	↓	↓	FG	↓	T-2	J-1	J-1/J5	S-1	C	9	
178	CORRIDOR 164	SEE REMARKS										→	—	REGLAZE
179	CORRIDOR 164	SEE REMARKS										→	—	REGLAZE
180	CORRIDOR 164	3'-0"	7'-0"	WD	1 3/4"	FG	HM	T-2	J-1	J-1/J-5	S-1	C	9	
181	CORRIDOR 164	3'-0"	7'-0"	WD	1 3/4"	F	HM	T-1	J-1	J-1	S3 SIM	C	9	
182	BOY'S LOCKERS 161	3'-0"	7'-0"	WD	1 1/2"	F	EXISTING	FRAME				B	2	VIF FOR EXACT DR. SIZE
183	BOY'S LOCKERS 161	SEE REMARKS										→	—	REGLAZE
184	STORAGE 163	PR 2'-6"	7'-0"	HM	1 3/8"	F	EXISTING	FRAME				B	15	VIF FOR EXACT DR SIZE
185	STAIR #4	PR 2'-6"	↓	↓	↓	FNV	EXISTING	FRAME				B	14	VIF FOR EXACT DR SIZE
186	STAIR #4	2'-8"	↓	↓	↓	FNV	EXISTING	FRAME				B	6	VIF FOR EXACT DR SIZE
187	DRESSING RM. 166	2'-6" ±	7'-0" ±	↓	↓	F	EXISTING	FRAME				B	12	
188	DRESSING RM. 168	2'-6" ±	7'-0" ±	↓	↓	F	EXISTING	FRAME				B	12	
189	STAIR #5	2'-8"	7'-0"	HM	1 3/8"	FNV	EXISTING	FRAME				6	VIF FOR EXACT DR SIZE	
190	STAIR #5	PR 2'-6"	7'-0"	HM	1 3/8"	FNV	EXISTING	FRAME				B	14	VIF FOR EXACT DR SIZE
191	EXTERIOR	SEE REMARKS											16	HARDWARE ONLY
192	EXTERIOR	SEE REMARKS											16	HARDWARE ONLY
193	CORRIDOR 185	NO	WORK										—	
194	EXTERIOR	3'-0"	7'-2"	HM	1 3/8"	FG	HM	T2	H2	J2	S-1	—	1	VIF FOR EXACT MO
195	CORRIDOR 185	PR 2'-6"	6'-8"	WD	1 3/8"	F	HM	T-1	J-1	J-1	—	B	15	
196	COAT RM 105	NO	DOOR				HM	T-1	J-3	J-3	J-2 SIM	—	—	FRAME SIZE 3'-11 1/2" x 6'-9 1/2"
201	CORRIDOR 209	PR 3'-0"	6'-10"	HM	1 3/4"	FNV	HM	T-1	J-1	J-1	—	B	14	
202	CORRIDOR 209	3'-0"	↓	↓	↓	FG	EXISTING	FRAME				C	9	VIF FOR EXACT DR SIZE
203	CORRIDOR 209	↓	↓	↓	↓	F	HM	T-1	J-12	J-12	—	C	10	
204	BOYS ROOM 203	↓	↓	↓	↓	↓	HM	T-1	J-1	J-1	—	B	5	
205	CORRIDOR 209	↓	↓	↓	↓	↓	EXISTING	FRAME				C	10	SEE PKG 3/A7 FOR FRAME MODIFICATIONS & VIF FOR EXACT DOOR SIZE
206	CORRIDOR 209	↓	↓	↓	↓	FG	EXISTING	FRAME				C	9	↓
207	CORRIDOR 209	NO DOOR					EXISTING	FRAME				C	—	↓
208	STORAGE 207	3'-0"	6'-10"	HM	1 3/8"	F	HM	T-1	J-1	J-1	—	B	5	
209	VESTIBULE 217	↓	↓	↓	↓	F	HM	T-1	J-1	J-1	S3 SIM	C	9	
210	CORRIDOR 209	↓	↓	↓	↓	FG	EXISTING	FRAME				C	9	SEE PKG 3/A7 FOR FRAME MODIFICATIONS & VIF FOR EXACT DOOR SIZE
211	CORRIDOR 209	↓	↓	↓	↓	FG	EXISTING	FRAME				C	9	

NOTE: REGLAZE ALL EXISTING EXTERIOR DOORS W/ LAMINATED SAFETY GLASS.

STATE OF CONNECTICUT
CARLOS JAMES LAWLER JR.
NO. 2522
REGISTERED ARCHITECT

C. J. LAWLER ASSOCIATES
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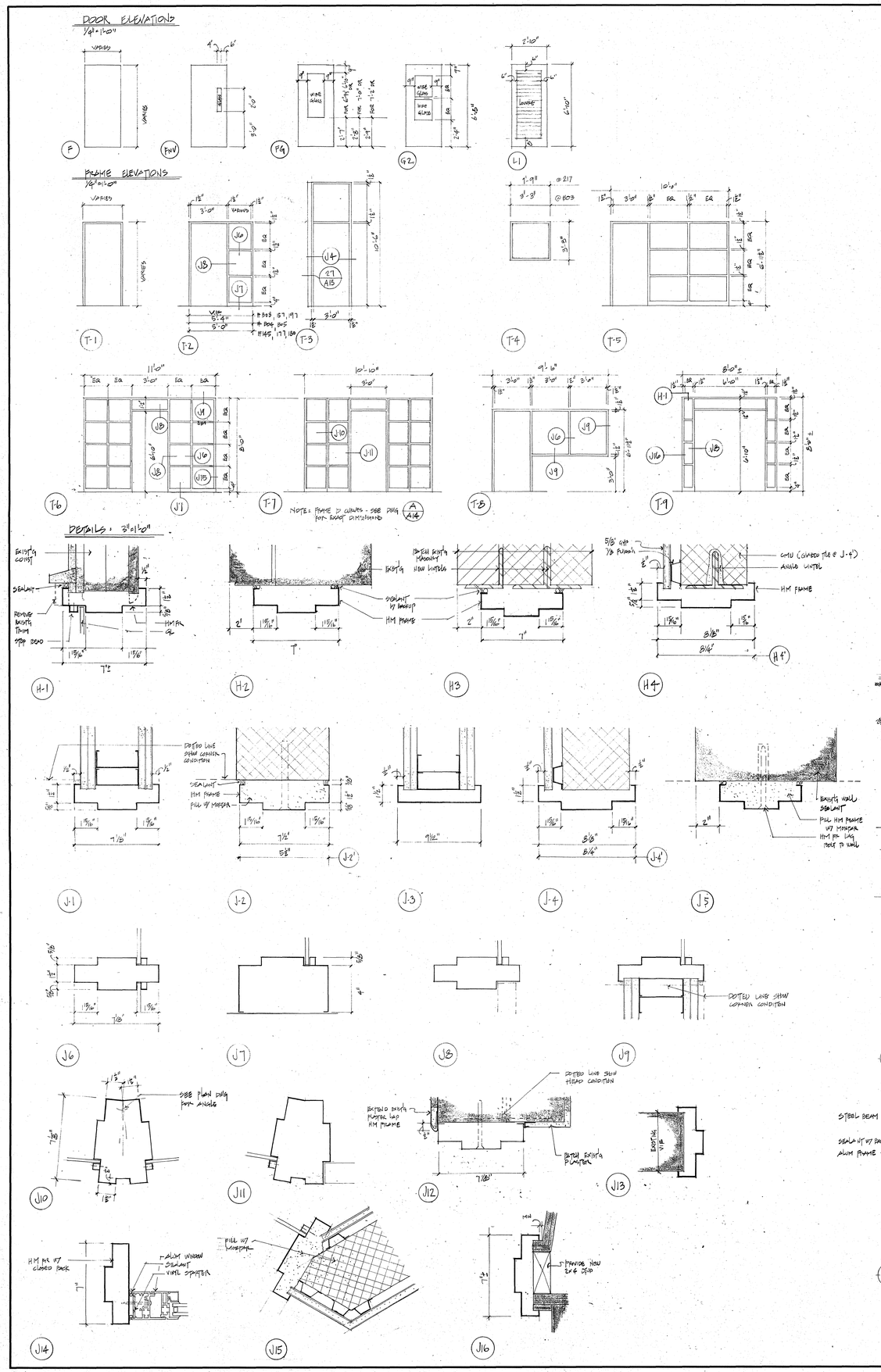
10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-2586
STRUCTURAL: GIRARD & CO. ENGINEERS
40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1594

DOOR SCHEDULE

DRAWN BY: CPC
SCALE: NONE
REVISED:
DATE: SEPT. 1, 1988

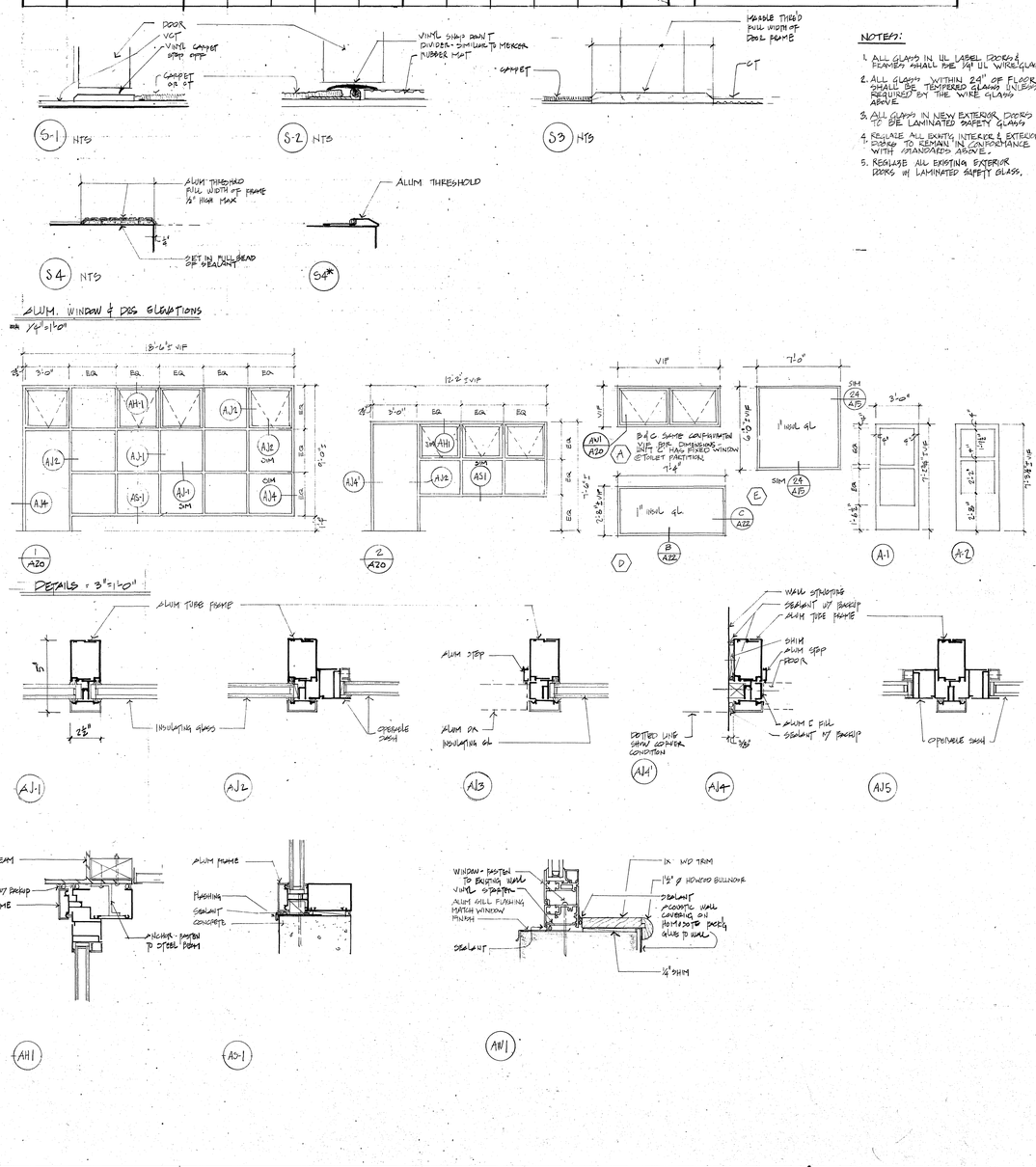
A19

WASHINGTON PRIMARY SCHOOL



DOOR SCHEDULE

DR. NO.	OPENING TO	DOOR WIDTH	DOOR HGTH.	DOOR MAT.	DOOR TCKNS.	DOOR TYPE	FRAME MAT.	FRAME TYPE	FRAME HEAD	FRAME JAMB	FRAME SILL	UL LABEL	HDWE SET	REMARKS
212	STAIR #2	FL 3'-0"	6'-10"	HM	1 3/4"	FNV	HM	T-1	J-1 sim	J-1	—	B	14	
213	CORRIDOR 209	3'-0"	↓	↓	↓	P9	EXISTING	FRAME			—	C	9	SEE DWG 2/A1 FOR FRAME MODIFICATION & VIF FOR EXACT DR SIZE
214	CORRIDOR 209	↓	↓	↓	↓	↓	↓				—	C	9	↓
215	CORRIDOR 209	↓	↓	↓	↓	↓	↓				—	C	9	↓
216	CLASSROOM 205	NO WORK										—	—	↓
217	FAN ROOM	1'-6"	3'-0"	H.M.	1 3/4"	F	HM	T-4	H-2	J-5	J-5	—	17	EXACT LOCATION TO BE DETERMINED IN THE FIELD.
ALTERNATE W1														
108	EXTERIOR	ALUM	DR. SEE	1/A21		AL 3	ALUM	FR. SEE	1/A21				7	
112	EXTERIOR	ALUM	DR. SEE	1/A21		AL 2	ALUM	FR. SEE	1/A21				7	
125	EXTERIOR	ALUM	DR. SEE	2/A21		AL 4	ALUM	FR. SEE	2/A21				7	
126	EXTERIOR	ALUM	DR. SEE	2/A21		AL 4	ALUM.	FR. SEE	2/A21				7	
156	EXTERIOR	ALUM	DR. SEE	9/A21		AL 1	ALUM.	FR. SEE	9/A21				8	
158	EXTERIOR	ALUM	DR. SEE	9/A21		AL-1	ALUM.	FR. SEE	9/A21				7	



NOTES:

1. ALL GLASS IN UL LABEL DOORS & FRAMES SHALL BE 1/4" UL WIRE GLASS.
2. ALL GLASS WITHIN 24" OF FLOOR SHALL BE TEMPERED GLASS UNLESS REQUIRED BY THE WIRE GLASS ABOVE.
3. ALL GLASS IN NEW EXTERIOR DOORS TO BE LAMINATED SAFETY GLASS.
4. REGLAZE ALL EXISTING INTERIOR & EXTERIOR DOORS TO REMAIN IN CONFORMANCE WITH STANDARDS ABOVE.
5. REGLAZE ALL EXISTING EXTERIOR DOORS W/ LAMINATED SAFETY GLASS.

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GIRARD & CO. ENGINEERS
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CONSULTANTS:
MECHANICAL & ELECTRICAL:
STRUCTURAL:

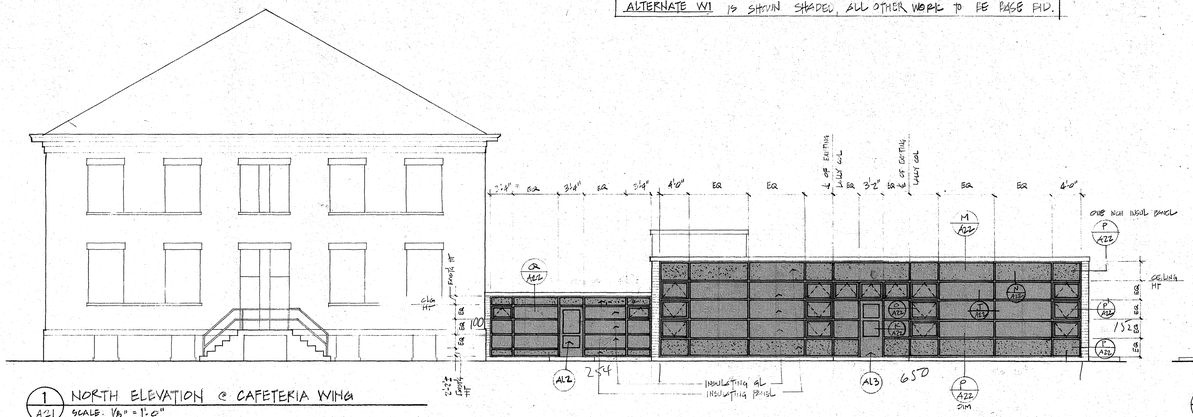
WASHINGTON PRIMARY SCHOOL

DOOR SCHEDULE & DETAILS | ALT. W1

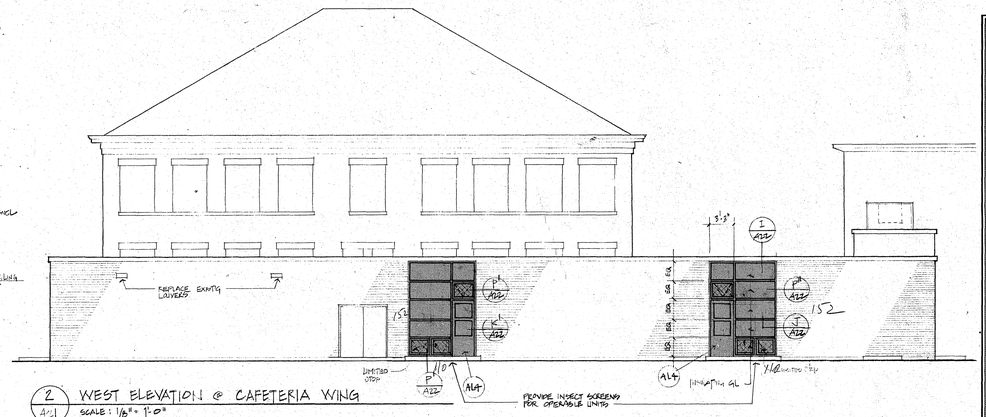
SCALE: AS NOTED
DRAWN BY: CPC
DATE: SEPT. 1, 1980
REVISED:

A20

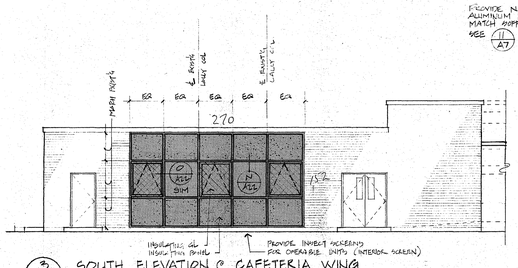
ALTERNATE W1 IS SHOWN SHADED, ALL OTHER WORK TO BE PER BID.



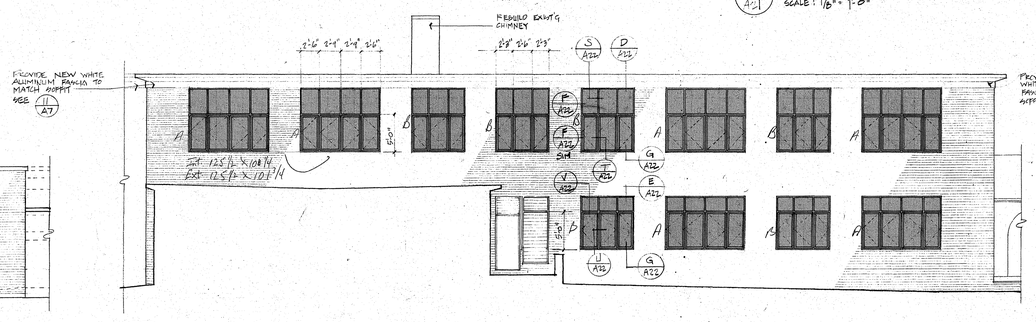
1 A21 NORTH ELEVATION @ CAFETERIA WING
SCALE: 1/8" = 1'-0"



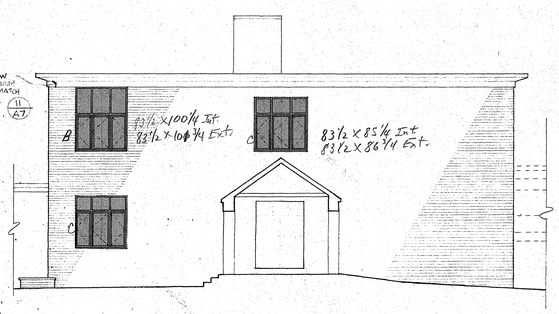
2 A21 WEST ELEVATION @ CAFETERIA WING
SCALE: 1/8" = 1'-0"



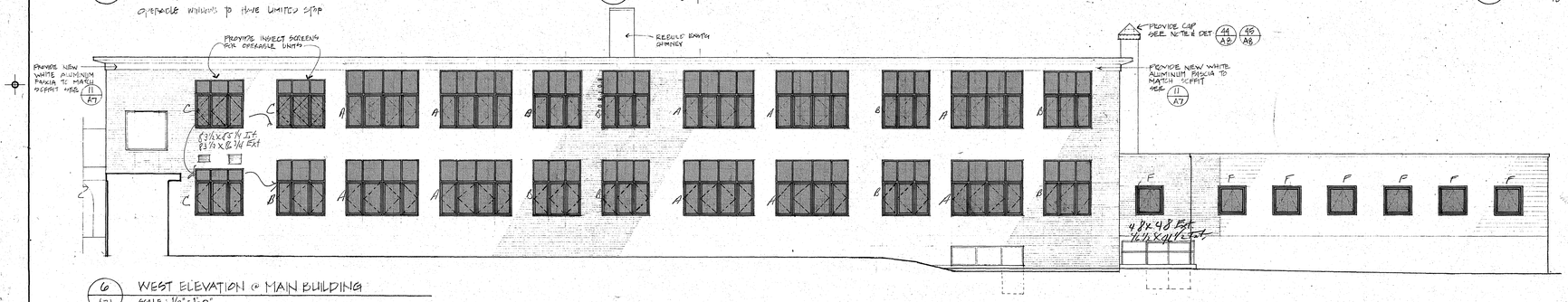
3 A21 SOUTH ELEVATION @ CAFETERIA WING
SCALE: 1/8" = 1'-0"
OPERABLE WINDOWS TO HAVE LIMITED STOP



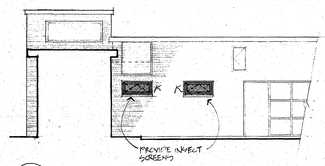
4 A21 PARTIAL EAST ELEVATION @ MAIN BUILDING
SCALE: 1/8" = 1'-0"



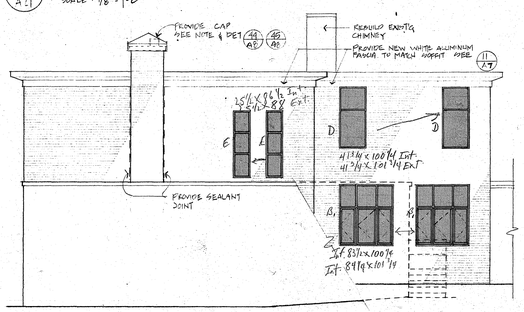
5 A21 PARTIAL NORTH ELEVATION @ MAIN BUILDING
SCALE: 1/8" = 1'-0"



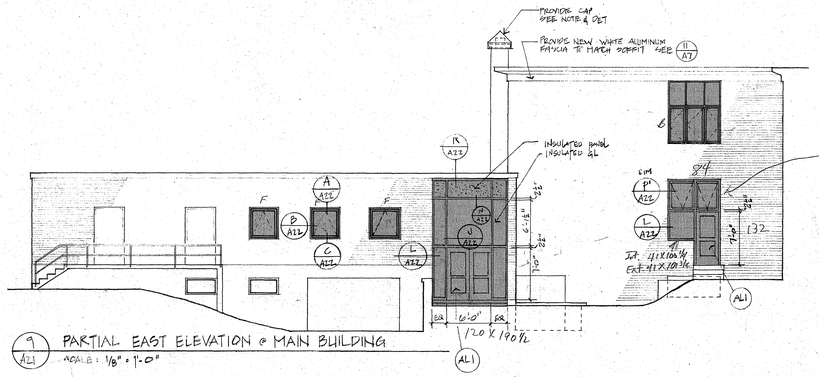
6 A21 WEST ELEVATION @ MAIN BUILDING
SCALE: 1/8" = 1'-0"



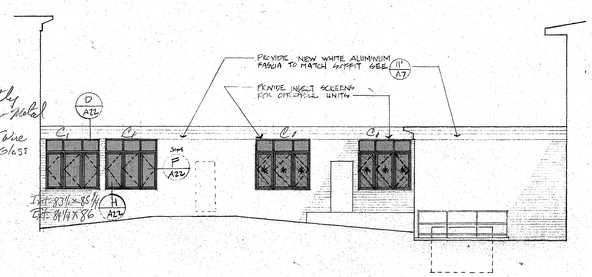
7 A21



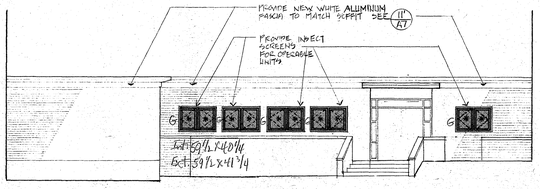
8 A21 SOUTH ELEVATION @ MAIN BUILDING
SCALE: 1/8" = 1'-0"



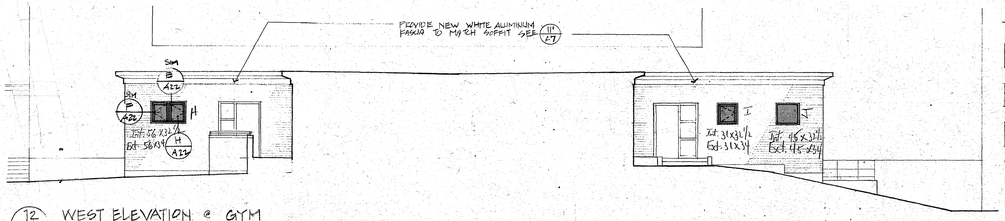
9 A21 PARTIAL EAST ELEVATION @ MAIN BUILDING
SCALE: 1/8" = 1'-0"



10 A21 SOUTH ELEVATION @ OFFICE CORRIDOR
SCALE: 1/8" = 1'-0"



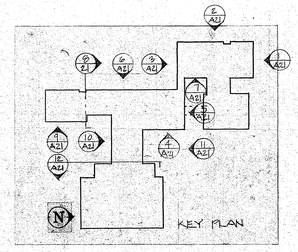
11 A21 NORTH ELEVATION @ OFFICE CORRIDOR
SCALE: 1/8" = 1'-0"



12 A21 WEST ELEVATION @ GYM
SCALE: 1/8" = 1'-0"

KEY TO SYMBOLS

- INSULATING GLASS
- INSULATING PANEL
- INSULATING GLASS OBSCURE
- OPERABLE WINDOWS WITH SCREENS
- DOOR #



KEY PLAN

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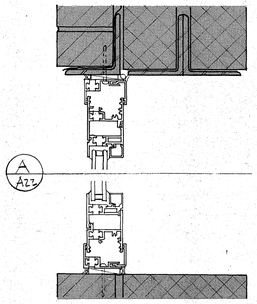
STRUCTURAL: GIRARD & CO. ENGINEERS
40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1194

EXTERIOR ELEVATIONS
ALTERNATE W1
SCALE 1/8" = 1'-0"
DATE SEPT 1, 1988
DRAWN BY CPL, DJW
REVISED

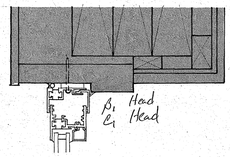
A21

WASHINGTON PRIMARY SCHOOL

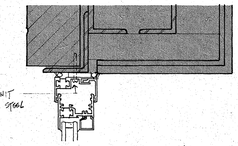


A / A22

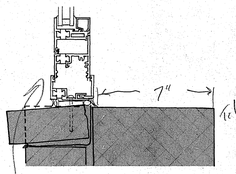
B / A22 JAMB DETAIL



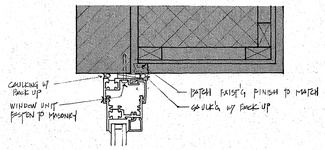
D / A22 HEAD DETAIL



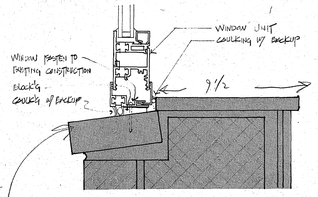
E / A22 HEAD DETAIL



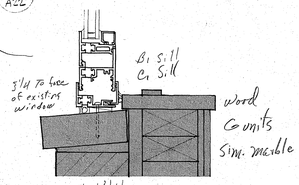
C / A22 SILL DETAIL



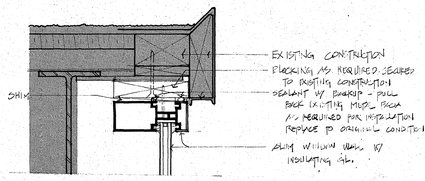
F / A22 JAMB DETAIL



G / A22 SILL DETAIL

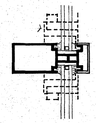


H / A22 SILL DETAIL



I / A22 HEAD DETAIL @ CURTAINWALL

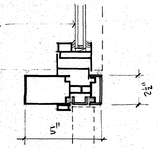
J" / A22 OPERABLE SASH



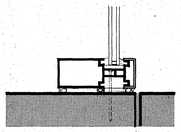
J / A22 INSULATING PANELS INSTEAD OF GLASS @ J" / A22

K" / A22 INSULATING PANEL INSTEAD OF GL

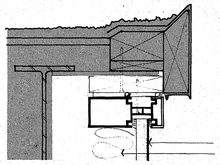
DOTTED LINE SHOW WALL @ K' / A22



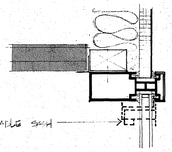
K / A22



L / A22 INSULATING PANELS INSTEAD OF GLASS @ L' / A22



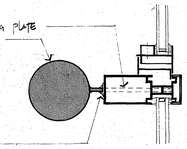
M / A22



N" / A22 OPERABLE SASH

N / A22

CUT EXISTING PLATE
BIDDING COL

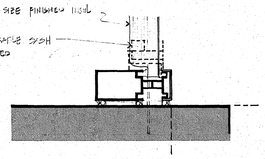


SEALANT

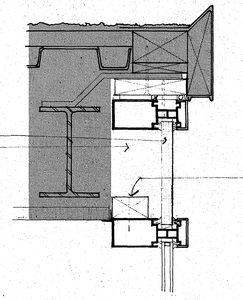
O / A22

2" DOUBLE SIDE FINISHED INSUL PANEL

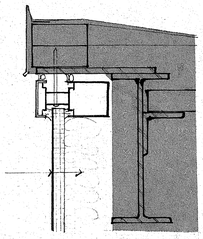
P / A22 OPERABLE SASH DOTTED



P / A22 INSULATING GL INSTEAD OF PANEL @ P" / A22



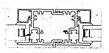
G / A22



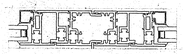
R / A22

GENERAL NOTES

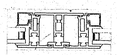
1) REMOVE EXISTING WINDOWS & PROVIDE NEW AS SHOWN
2) CONTRACTOR IS TO EXAMINE EXISTING CONDITIONS FOR EXACT ANCHORAGE REQUIREMENTS. IF APPROPRIATE CONTRACTOR IS TO REMOVE EXISTING WINDOW FOR EXAMINATION. REPLACE WINDOW APPURTENANCES & PATCH EXISTING SURROUNDING TO MATCH EXISTING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR FOR ANCHORAGE OF NEW WINDOWS.
3 PROVIDE SCREENS @ KITCHEN, TOILET & AND CAFETERIA ROOMS. SCREENS TO BE ON INTERIOR FOR CASEMENT & TOP HINGED PROJECTED WINDOWS, AND ON THE EXTERIOR FOR BOTTOM HINGED INSWINGING WINDOWS OTHERWISE NOTED



S / A22



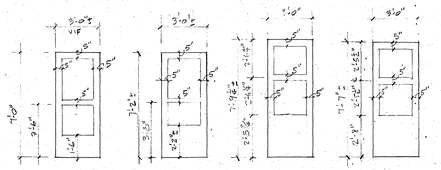
T / A22



U / A22

V / A22

ALUMINUM DOOR ELEVATIONS
1/4"=1'-0"



AL1 AL2 AL3 AL4

C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-8626

STATE OF CONNECTICUT
CARROLL JAMES LAWLER
NO. 2503
REGISTERED ARCHITECT

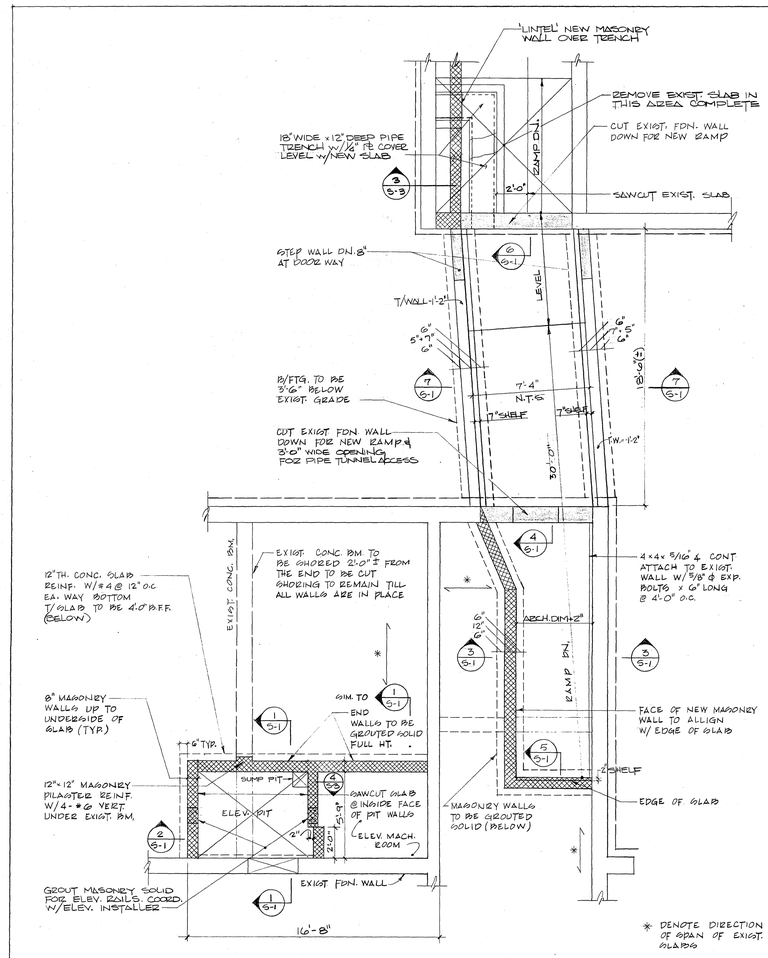
CONSULTANTS:
MECHANICAL & ELECTRICAL: BURTON & VANHOUTEN ENGINEERS INC.
15 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-2866
STRUCTURAL: GIRARD & CO. ENGINEERS
40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1194

ALTERNATE W1 · WINDOW DETAILS
& DOOR ELEVATIONS

SCALE 3/4"=1'-0"
DRAWN BY CFC
DATE SEPT. 1, 1983
REVISED

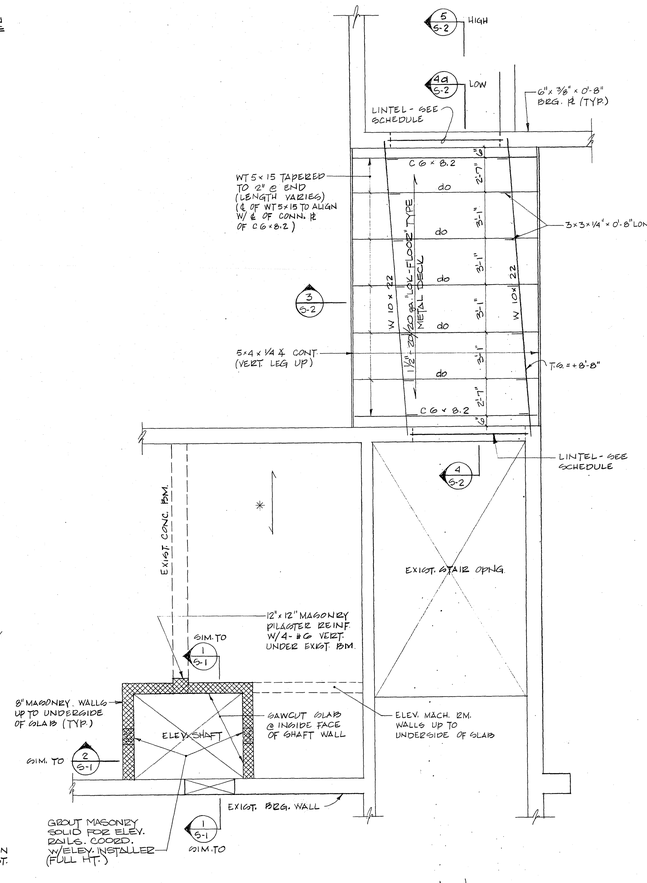
A22

WASHINGTON PRIMARY SCHOOL



PART. FDN. & FIRST FLR. FRAMING PLAN

SCALE: 1/4" = 1'-0"



CONNECTOR ROOF FRAMING PLAN &
PART. SECOND FLOOR FRAMING PLAN

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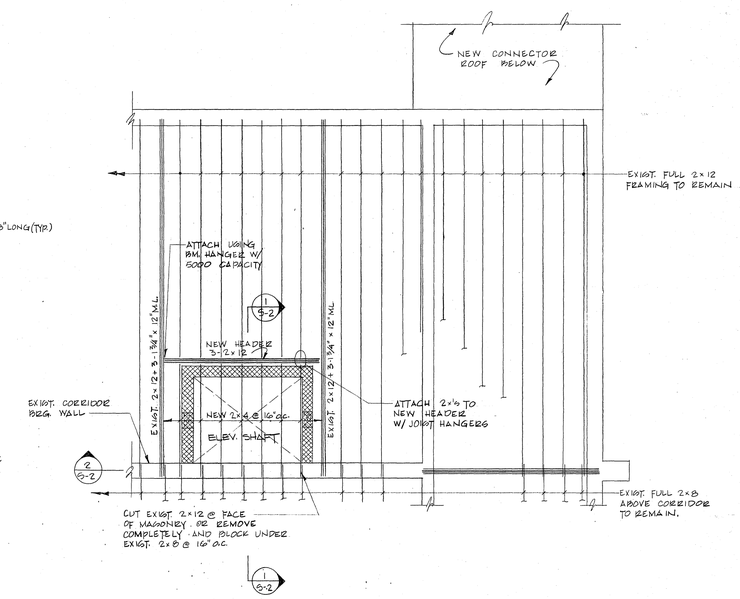
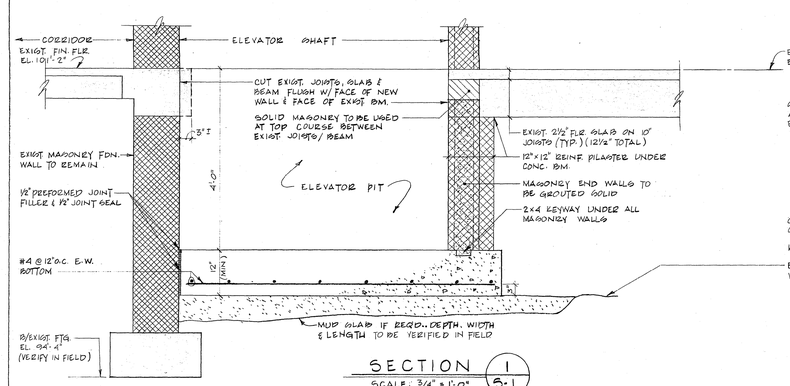


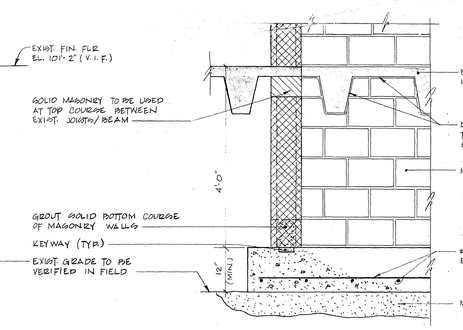
ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"



SECTION 1 / S-1

SCALE: 3/4" = 1'-0"



SECTION 2 / S-1

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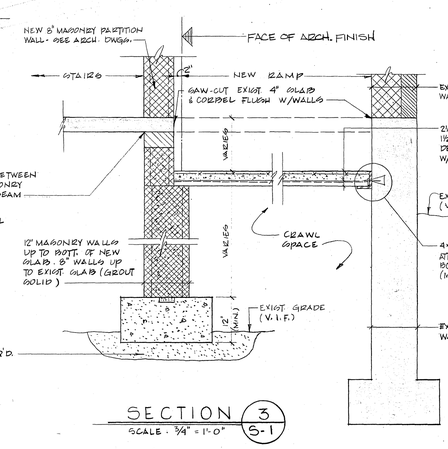

SECTION 3 / S-1

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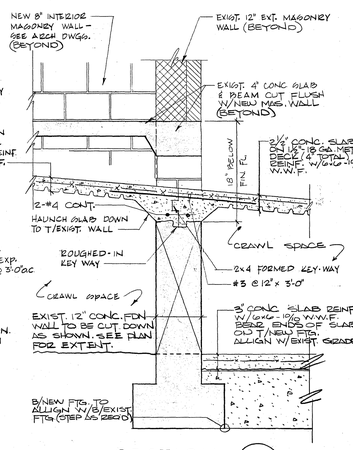

SECTION 4 / S-1

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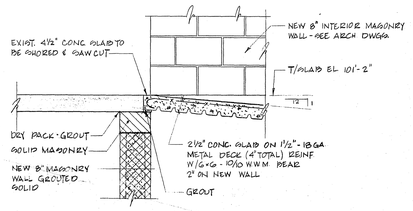

SECTION 5 / S-1

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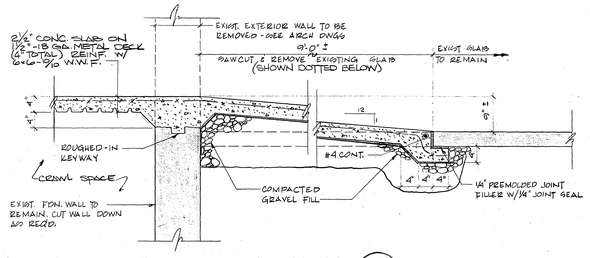
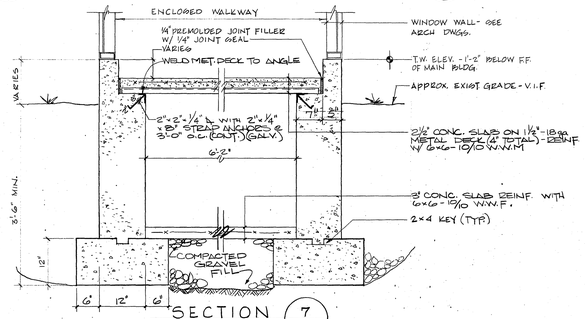


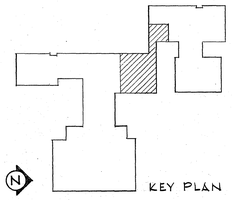
SECTION 6 / S-1

SCALE: 3/4" = 1'-0"



SECTION 7 / S-1

SCALE: 3/4" = 1'-0"



KEY PLAN

C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-0526

BURTON & VANHOUTEN ENGINEERS INC.
10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-2866

GIRARD & CO. ENGINEERS
40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 525-1594

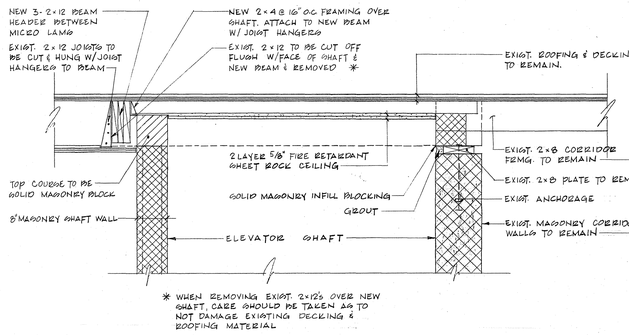
CONSULTANTS:
MECHANICAL & ELECTRICAL:

FOUNDATION & FRAMING PLANS.
FOUNDATION SECTIONS

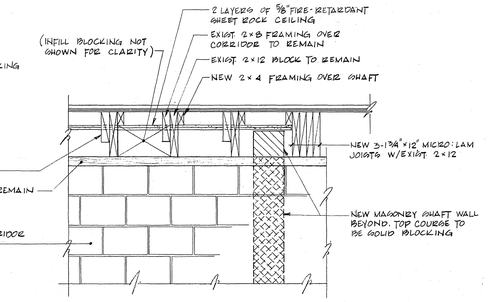
S-1

SCALE AS NOTED | DRAWN BY B.S. & D.S.G.
DATE 9-12-88 | REVISED

WASHINGTON PRIMARY SCHOOL



SECTION 1 / S-2
SCALE: 3/4" = 1'-0"



SECTION 2 / S-2
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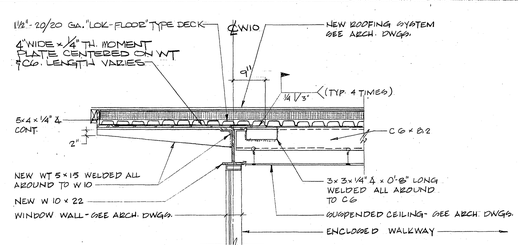


SECTION 3 / S-2
SCALE: 3/4" = 1'-0"

DESIGN DATA

CODES USED:
STATE OF CONNECTICUT
BASIC BUILDING CODE - B.O.C.A. - 84
A.I.S.C. 8th EDITION
A.C.I. - 318-83

STRESSES USED:
SOIL BEARING - 4,000 P.S.F.
CONCRETE - f'c = 3,000 p.s.i.
STRUCT. STEEL fs = 36 K.S.I.
REINF. STEEL ASTM GR. 60

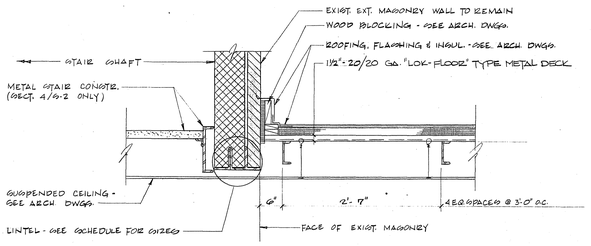
LOCATION \ LOAD	LIVE LOAD	SLAB ON DECK	ROOFING & INSUL.	CEILING	FRAMING	MISC.	TOTAL
ROOF	32	3	12	3	5	5	60
CORRIDORS	100	43	–	—	—	7	150
MECHANICAL ROOM	125	40	–	—	—	15	190

LINTEL SCHEDULE

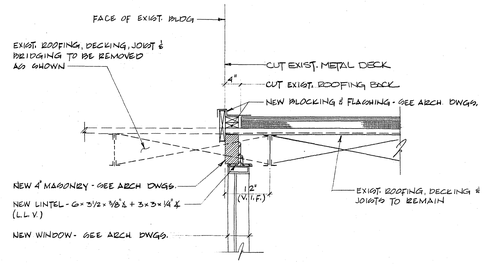
SPAN	SIZE
UP TO 3'-4"	ONE ANGLE - 4" VERT. × 3 1/2" H. × 1/4" FOR EACH 4" OF MASONRY THICKNESS
3'-4" TO 6'-0"	ONE ANGLE - 5" VERT. × 3 1/2" H. × 1/4" FOR EACH 4" OF MASONRY THICKNESS
6'-0" TO 8'-0"	ONE ANGLE - 6" VERT. × 3 1/2" H. × 3/8" FOR EACH 4" OF MASONRY THICKNESS
L-1	2-1 3/4"×11 7/8" MICRO-LAM + 1/2"×11 3/4" PL - THRU BOLTED W/ 1/2"Ø BOLTS @ 3'-0" STAGGERED TOP TO BOTT. *
L-2	W8×24 + 3/8"×11 1/2" PL WELDED TO BOTTOM OF BEAM FULL LENGTH

ALL LINTELS TO BEAR 8" EACH END UNLESS OTHERWISE NOTED ON THE DRAWINGS.

* - USE 3-2×6 STUDS IN EXIST. WALL @ COLUMNS UNDER EACH END OF BEAM LINTEL.



SECTION 4 / S-2 4a / S-2
SCALE: 3/4" = 1'-0"



SECTION 5 / S-2
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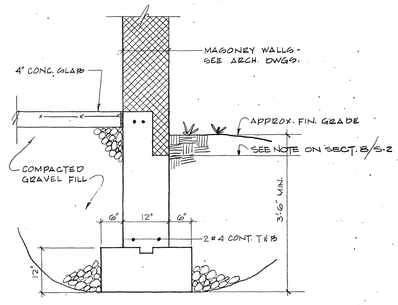
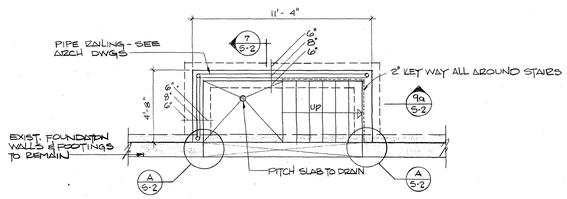
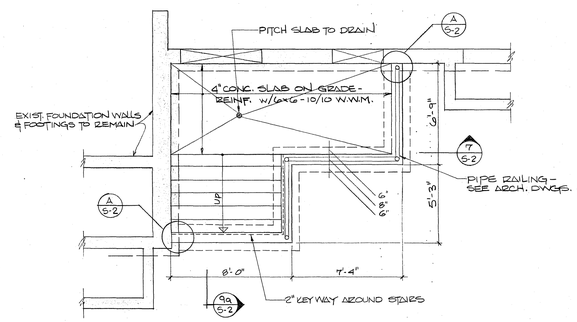


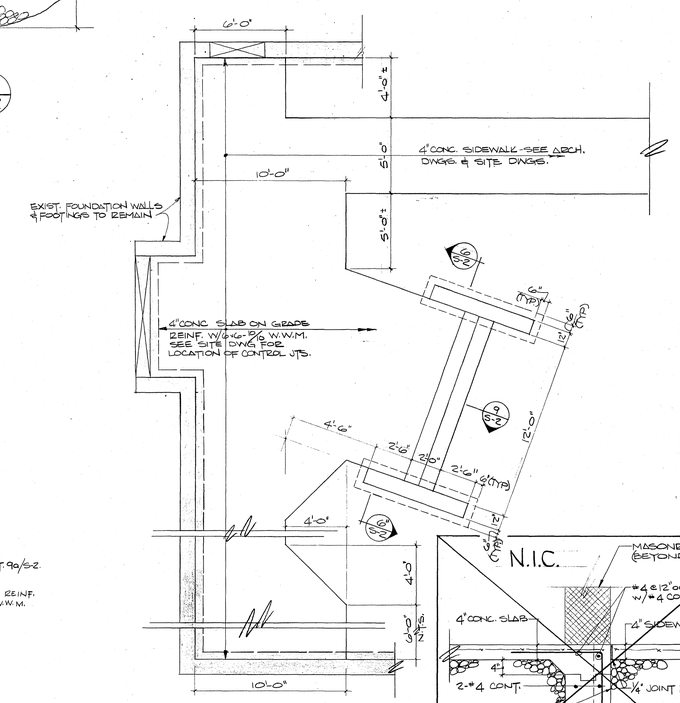
SECTION 6 / S-2
SCALE: 3/4" = 1'-0"



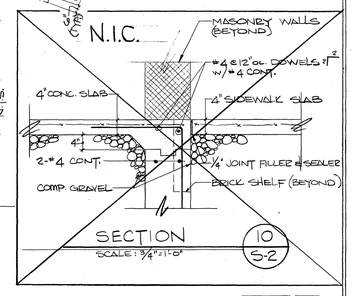
PLAN AREA "A"
SCALE: 1/4" = 1'-0"



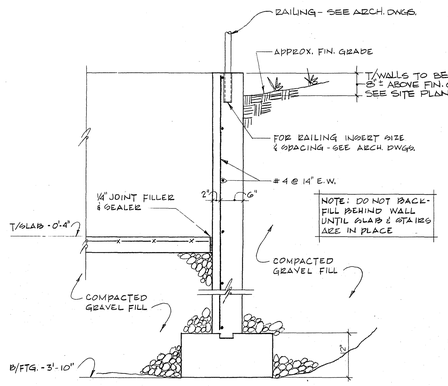
PLAN AREA "B"
SCALE: 1/4" = 1'-0"



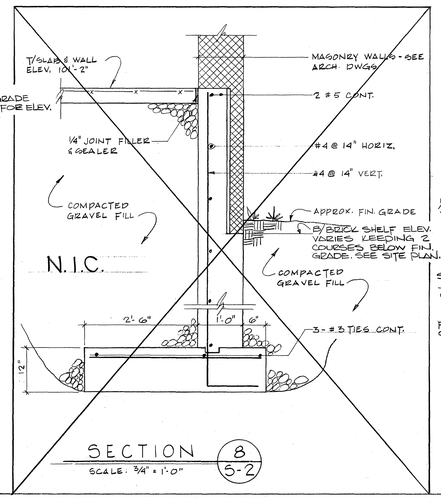
PLAN AREA "C"
SCALE: 1/4" = 1'-0"



SECTION 10 / S-2
SCALE: 3/4" = 1'-0"



SECTION 7 / S-2
SCALE: 3/4" = 1'-0"



SECTION 8 / S-2
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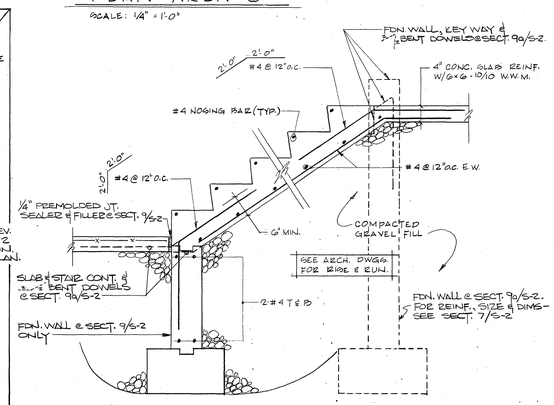
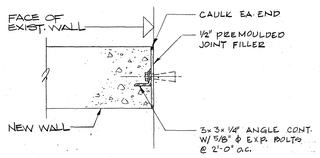
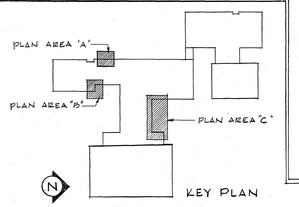


SECTION 9 / S-2 9a / S-2
SCALE: 3/4" = 1'-0"



DETAIL A / S-2
SCALE: 1" = 1'-0"



KEY PLAN

C. J. LAWLER ASSOCIATES
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CONSULTANTS:
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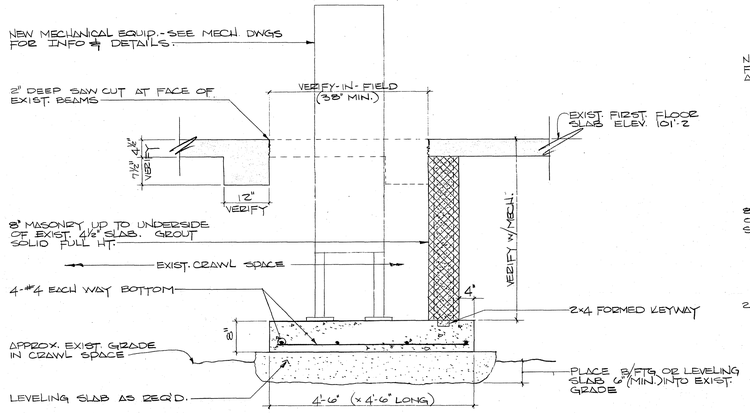
STRUCTURAL: GIRARD & CO. ENGINEERS 40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1564

WASHINGTON PRIMARY SCHOOL

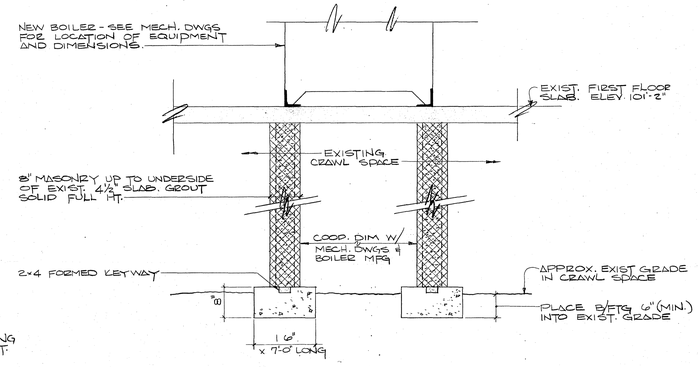
ROOF FRAMING SECTIONS, EXTERIOR STAIR PLANS & SECTIONS

SCALE AS NOTED | DRAWN BY B.S. & D.S.G. | DATE 9-1-88 | REVISED

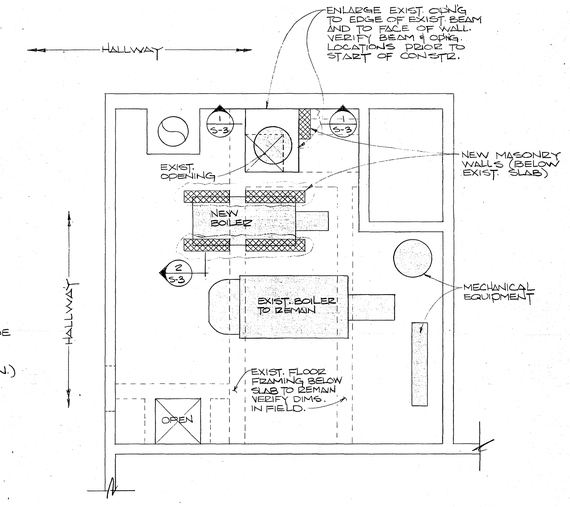
S-2



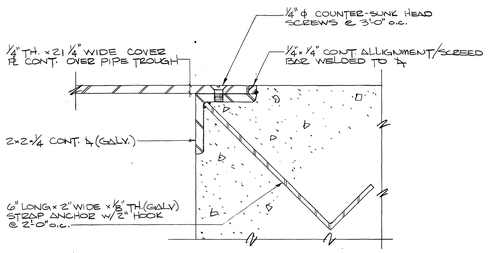
SECTION 1 / S-3
SCALE: 3/4" = 1'-0"



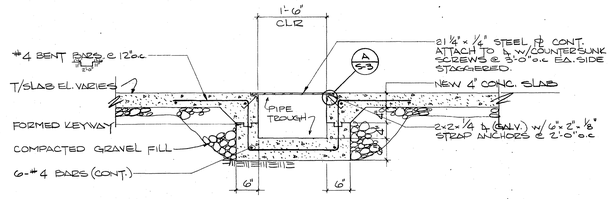
SECTION 2 / S-3
SCALE: 3/4" = 1'-0"



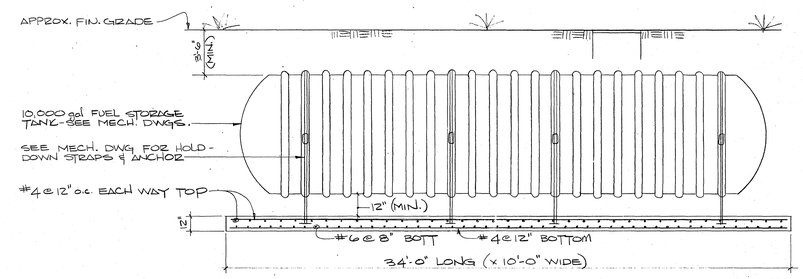
BOILER ROOM PLAN
SCALE: 1/4" = 1'-0"



DETAIL A / S-3
SCALE: HALF-SIZE

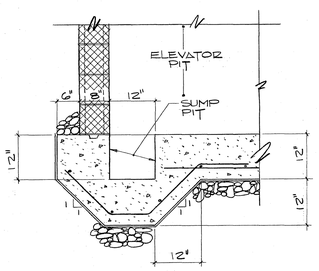


SECTION 3 / S-3
SCALE: 3/4" = 1'-0"



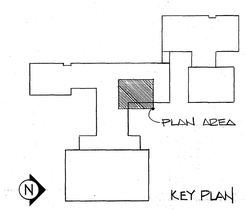
OIL TANK SLAB REINFORCEMENT
NOT TO SCALE

NOTE: SEE SITE PLAN FOR TANK LOCATION.



SECTION 4 / S-3
SCALE: 3/4" = 1'-0"

NOTE: FOR INFO. & DETAILS NOT SHOWN, SEE OTHER ELEV. PIT SECTIONS ON S-1.



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GIRARD & CO. ENGINEERS
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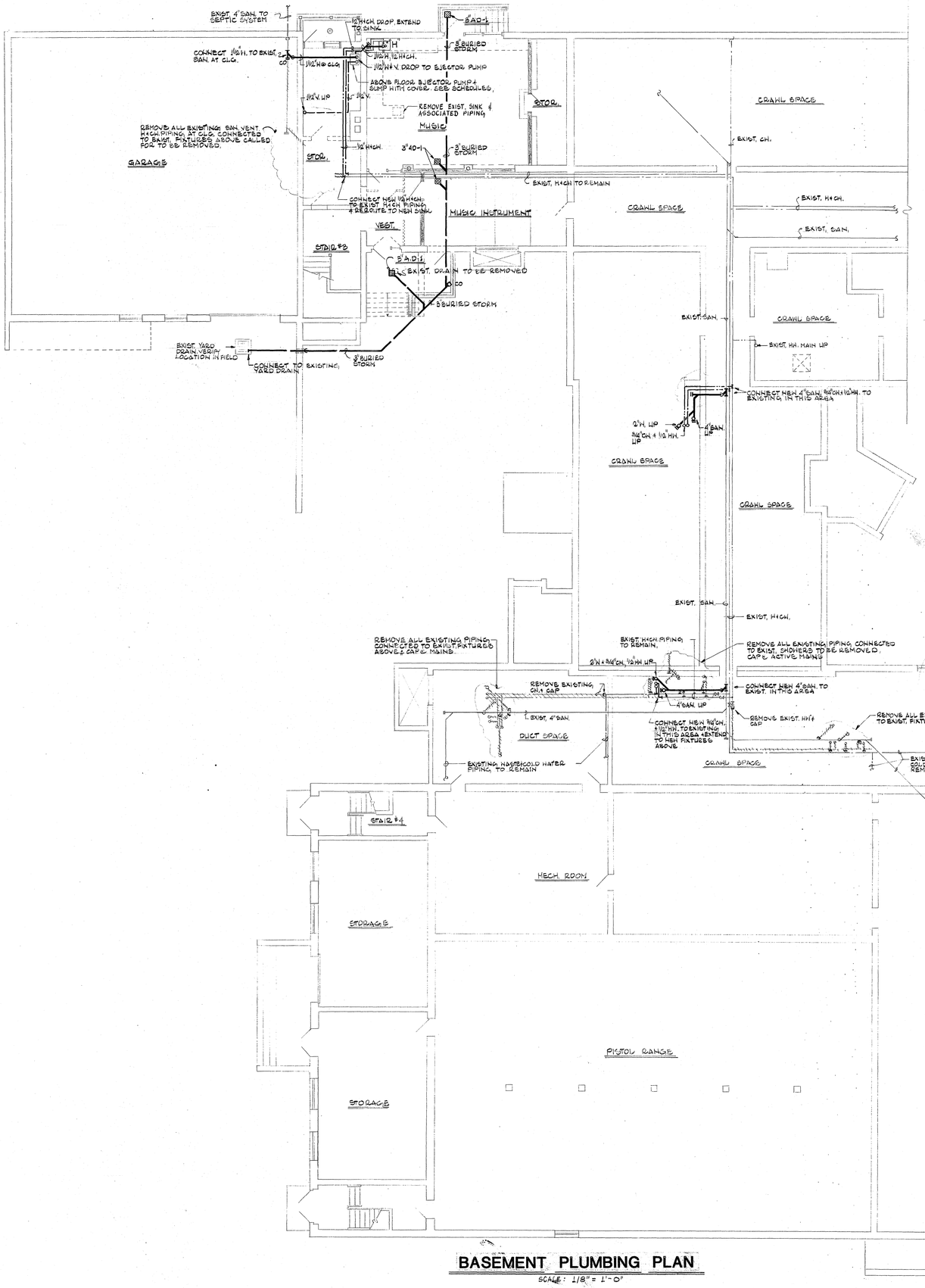
CONSULTANTS:
MECHANICAL & ELECTRICAL:
STRUCTURAL:

BOILER ROOM PLAN & SECTIONS

SCALE AS NOTED DRAWN BY D.S.G.
DATE 9-1-88 REVISED

S-3

WASHINGTON PRIMARY SCHOOL



BASEMENT PLUMBING PLAN

SCALE: 1/8" = 1'-0"

CONTRACTOR'S NOTES

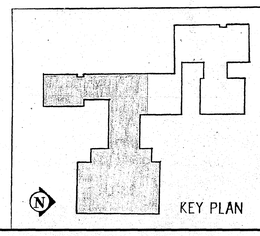
1. This job is a renovation and addition. Before submitting his Bid, the Contractor shall visit the site and become thoroughly familiar with all existing conditions under which his work will be installed. This Contract includes all modifications of existing systems required for the installation of new equipment. This Contract includes all necessary offsets, transitions and modifications required to install all new equipment in existing spaces. All new and existing equipment and systems shall be fully operational under this Contract before the job is considered complete. The Contractor shall be held responsible for any assumptions he makes, any omissions or errors he makes as a result of his failure to become fully familiar with the existing conditions and the Contract Documents of all trades.

2. Location of all existing piping shown on floor plans is based on the best available information. Plumbing Contractor shall verify all locations of existing piping in the field and adjust as necessary.

3. Plumbing Contractor shall verify exact location and invert elevation of existing buried sanitary or waste piping prior to excavation for new piping connection and shall notify Engineer if any problem arises.

PLUMBING LEGEND

- Existing wall construction to remain
- Existing wall construction to be removed
- New wall construction
- Existing piping to remain
- Existing piping to be removed
- New piping
- Piping to be capped
- Existing fixture to remain
- Existing fixture to be removed
- New fixture



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CONSULTANTS:
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STRUCTURAL: GIRARD & CO. ENGINEERS
40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1194

WASHINGTON PRIMARY SCHOOL

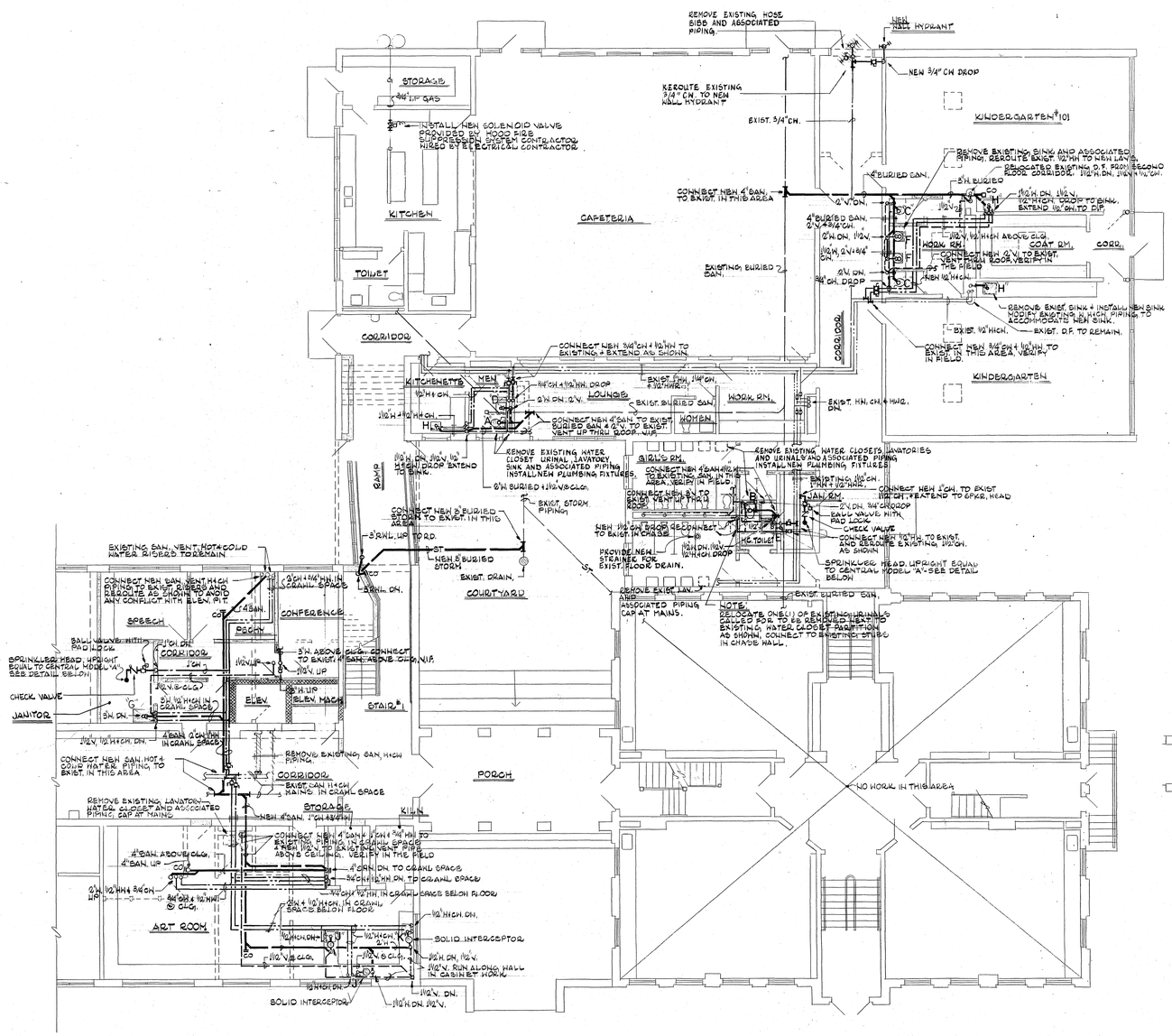
BASEMENT PLUMBING PLAN

SCALE: 1/8" = 1'-0"
DRAWN BY: G.S.K.
DATE: 2-1-89
REVISED

P - 1

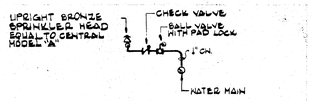
87291

JOSEPH MERRITT & CO. A.S. 12-30-87



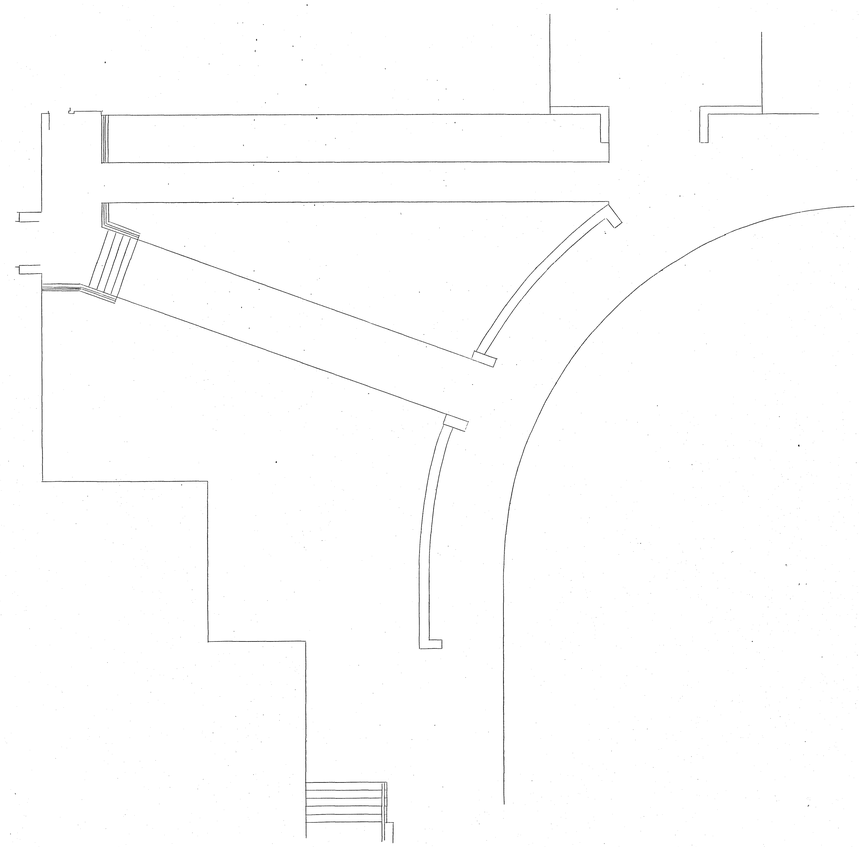
FIRST FLOOR PLUMBING PLAN – NORTHWEST

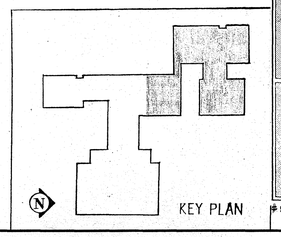
SCALE: 1/8" = 1'-0"



SPRINKLER HEAD PIPING DETAIL

N.T.S.





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CONSULTANTS:
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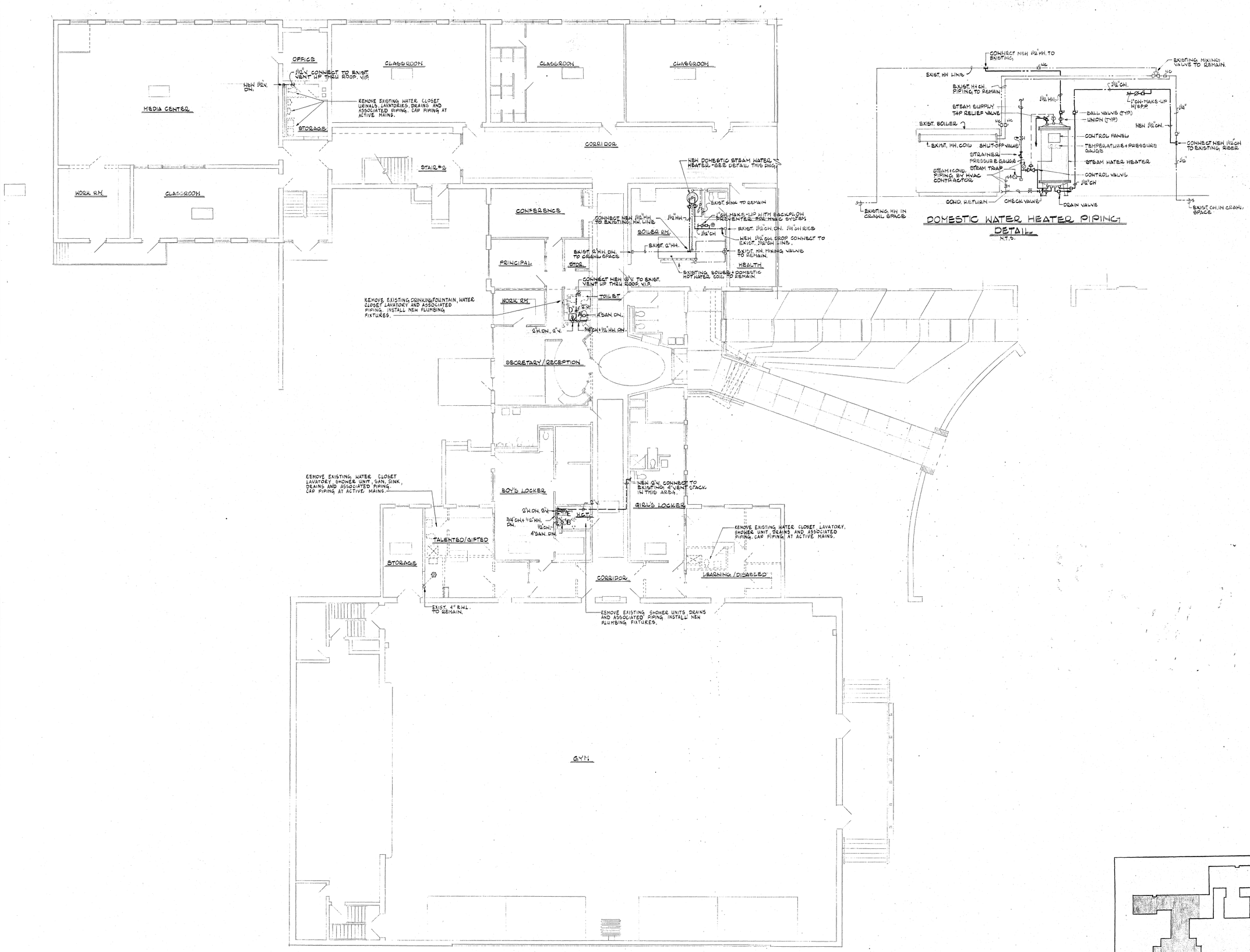
FIRST FLOOR PLUMBING PLAN –NORTHWEST

SCALE: 1/8" = 1'-0"
DATE: 2-1-89
DRAWN BY: GEK
REVISED:

P - 2

WASHINGTON PRIMARY SCHOOL

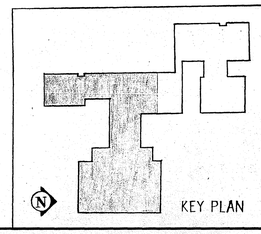


FIRST FLOOR PLUMBING PLAN - SOUTHEAST

SCALE: 1/8" = 1'-0"

DOMESTIC WATER HEATER PIPING DETAIL

N.T.S.



KEY PLAN

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STRUCTURAL: GIRARD & CO. ENGINEERS 40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1594

FIRST FLOOR PLUMBING PLAN -SOUTHEAST

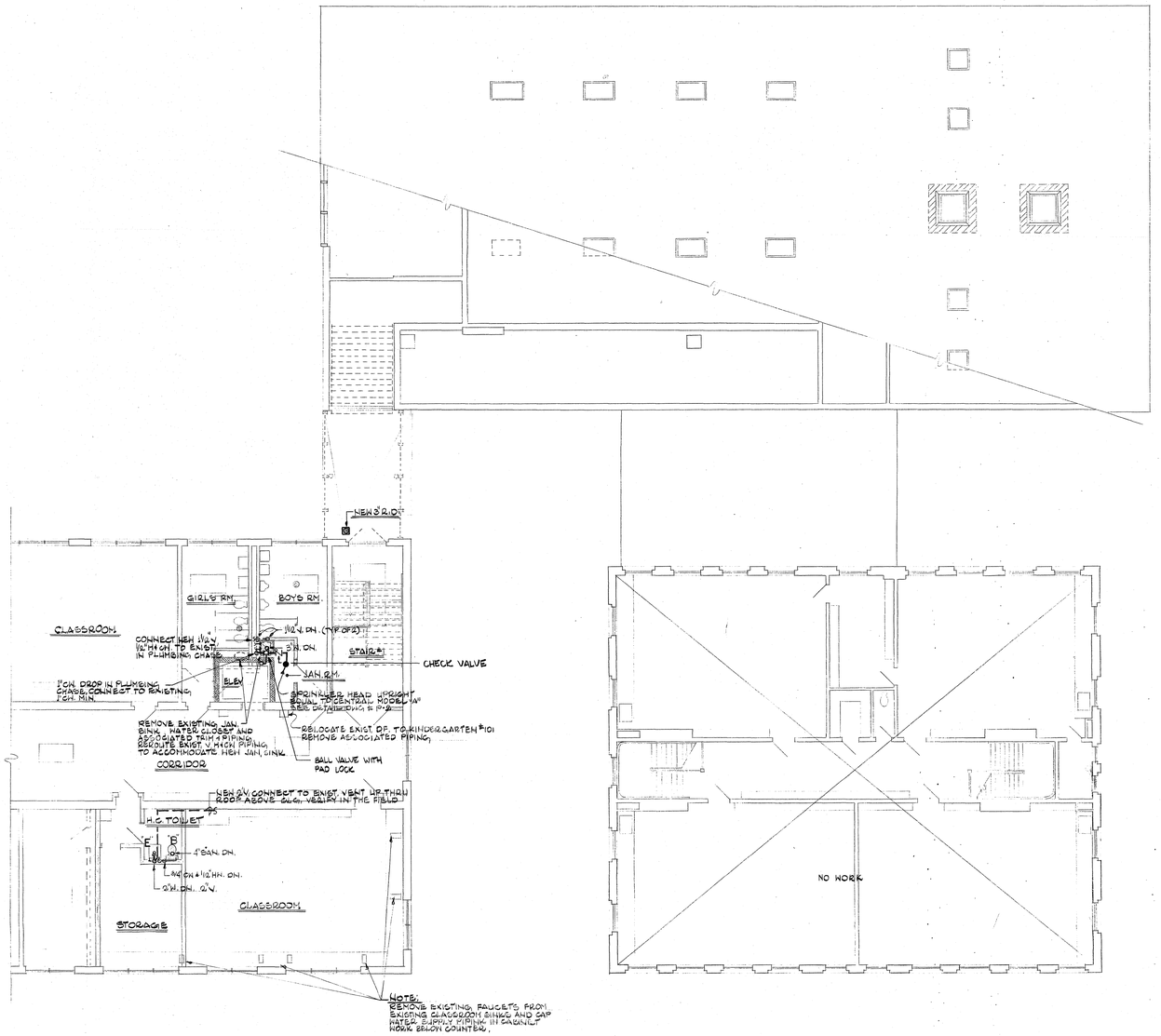
SCALE 1/8" = 1'-0"
DATE 2-1-89
DRAWN BY GSK
REVISED

P - 3

WASHINGTON PRIMARY SCHOOL

#87281

A.S. 12-31-87



NOTE:
REMOVE EXISTING FAUCETS FROM EXISTING CLASSROOM SINKS AND CAP WATER SUPPLY PIPING IN CABINET HOWN BELOW COUNTER.

SECOND FLOOR PLUMBING PLAN – NORTHWEST

SCALE: 1/8" = 1'-0"

PLUMBING FIXTURE SCHEDULE

Fixtures are based on Kohler or equals by American Standard. Support and drainage items are based on J. R. Smith, or equals by Wade. Water heater is based on Aerco. Stainless steel sinks are based on Elkay or equal by Just.

TYPE	FIXTURE	SOIL OR WASTE	VENT	HOT WATER	COLD WATER	MOUNT	DESCRIPTION
"A"	Water Closet	4"	2"	---	1/2"	Floor	Kohler "Wellworth" #K-3520-EBU vitreous china close-coupled siphon jet elongated toilet with tank liner. Olsonite #95 toilet seat. Provide supply with stop.
"B"	Water Closet Handi-capped	4"	2"	---	1/2"	Floor	Same as Fixture "A", but with Olsonite #L210N-CC, 2-inch toilet seat.
"C"	Water Closet	4"	2"	---	1/2"	Floor	Kohler "Primary" #K-4319-ET vitreous china, elongated 10" high toilet with 2" top spud, bolts and caps. #K-4526-A vitreous china tank with #K-9482 straight flush connection, #K-7638 supply and stop, #K-4686-C toilet seat.
"D"	Lavatory	1½"	1½"	1/2"	1/2"	Wall	Kohler "Greenwich" #2032, 20"x18" vitreous china lavatory with 4" faucet centers. #K-7404-TL, Triton II water-guard faucet with aerator and lever handles, #K-7715 drain with perforated grate and tailpiece. #K-9000 cast brass "P" trap. Provide J. R. Smith concealed arm support, supplies and stops.
"E"	Lavatory Handi-capped	1½"	1½"	1/2"	1/2"	Wall	Kohler "Morningside" #K-12636 vitreous china wheelchair lavatory with 4" centers. #K-6885 single-lever faucet. #K-13885 offset drain with open strainer. #K-9000 cast brass "P" trap. Provide supplies and stops and J. R. Smith concealed arm support.
"F"	Lavatory	1½"	1½"	1/2"	1/2"	Counter	Kohler "Tahoe" #K-2894, 20"x18", self-rimming, enameled cast iron lavatory with 4" faucet centers, #K-7404-TL Triton II Water-guard faucet with aerator and lever handles, #K-7715 drain with perforated grate and tailpiece, #K-9000 cast brass "P" trap. Provide supplies with stops.
"G"	Mop Sink	3"	1½"	1/2"	1/2"	Floor	Fiat "Molded Stone" MSB-3624, 36"x24" mop service basin with stainless steel integral drain, #832-AA rubber hose, #889-CC mop hanger, #833-AA silicone sealant, #8-77-AA, bumper guard #830-AA 8" centers, service faucet with vacuum breaker, stops, pail hook with top brace, spout with hose thread. Mount tight to wall.
		NOTE. FOR JANITOR RM ON SECOND FLOOR FURNISH 24"x24" SINK					
"H"	Sink	1½"	1½"	1/2"	1/2"	Counter	Elkay "Lustertone" #LK-2219, single compartment, 18-gauge, Type 302 stainless steel sink with ~~three~~ SINGLE (3) faucet holes, #LK-2412 Provide strainer, tailpiece, stops, supplies and cast brass "P" trap.
"J"	Art Room Sink	1½"	1½"	1/2"	1/2"	Counter	Elkay "Lustertone" #DLR-2522-10, single-compartment, 18-gauge, Type 302 stainless steel sink with three (3) faucet holes. #LK-~~232-5-HB-5~~ - gooseneck faucet with aerator. J. R. Smith #8710 solid interceptor. Provide strainer, tailpiece, stops and supplies. Mount interceptor in cabinet work.
"K"	Art Room N.C. Sink	1½"	1½"	1/2"	1/2"	Counter	Elkay "Celebrity" #GECR-2521-R, SINGLE compartment, 20-gauge, Type 302 stainless steel sink with two (2) faucet holes. #LK-4123 hi-ark faucet less spray. Provide supplies with stops and strainer. Sink to be installed with solid interceptor. J. R. Smith #8710 mount in cabinet work.

BACKFLOW PREVENTOR:

Watts #909-S, reduced pressure principle backflow preventor assembly. All bronze construction, including strainer. The device shall consist of a pressure differential relief valve, check valves, ball valves, test cocks and protective strainer. Pipe relief valve to floor drain. See Plans for size.

FLOOR CLEANOUT:

J. R. Smith #4026, cast iron body and frame with round, adjustable, scoriated, secured nickel-bronze top. For carpeted floors, provide carpet market type (Y).

WALL CLEANOUTS:

J. R. Smith #4720, chrome-plated frame and plate secured with screws in all finished areas.

AREA DRAIN:

J. R. Smith #2110-B-U, Duco cast iron body and flashing collar with cast iron bar grate, sediment bucket and vendal proof top.

WALL HYDRANT:

Woodford #25, automatic draining, freezeless wall hydrant with vacuum breaker backflow preventer and handle.

EJECTOR PUMP AND SUMP:

Hydromatic Lazer II water box sink pump complete with Hydromatic #WS25A1 submersible pump, 1/4 HP, 115V-1Ø and 14" High x 10" Wide x 17" Long polysump with cover. Mount unit on floor in storage room. See Drawing #P-1 for location.

STEAM WATER HEATER:

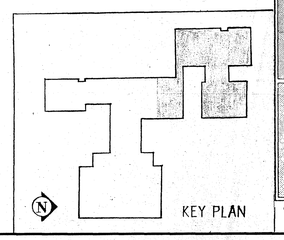
Aerco #SWIAT04/25/S, factory packaged water heater with following accessories, resilient insulation, self-contain control valve and temperature controller, union orifice and check valve, T&P relief valve, control panel 110V-1Ø with pressure gauges, temperature unit system and status lights. Heater shall have carbon steel shell with copper lining. Heads shall be bronze. Coils shall be Helical wound copper tube. Heater shall be rated to heat 25 GPM of water from 40°F to 120°F when supplied with 5 PSIG steam at the control valve aerco heater internal parts and coils shall carry a ten (10) year warranty. Manufacture Representative shall start and adjust system.

Roof Drain RD-1:

J. R. Smith #1010-C-R, Duco cast iron body with combined flashing clamp and gravel stop with dome, underdeck clamp and sump receiver.

PLUMBING SYMBOL LIST

—ST—	Storm Buried	CO	Cleanout
— — —	Soil or Waste Buried	AD	Area Drain
———	Soil or Waste Above Grade	FD	Floor Drain
- - - -	Vent	RD	Roof Drain
—·—·—	Cold Water	CW	Cold Water
—··—··—	Hot Water	HW	Hot Water
—⊡—	Trap	SAN	Sanitary
—○—	Pipe Elbow up	W	Waste
—●—	Pipe Elbow Down	V	Vent
—⊡—	Ball Valve	EWH	Electric Water Heater
—⊠—	Gate Valve	EWC	Electric Water Cooler
—⊕—	Union	VIF	Verify in the Field
—HB—	Hydrant (HB)	RWL	Rain Water Leader
—⊘—	Backflow Preventer		
—■—○	Cleanout		
●	Floor Drain		
■	Roof or Area Drain		



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STRUCTURAL:
GIRARD & CO. ENGINEERS
40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 525-1594

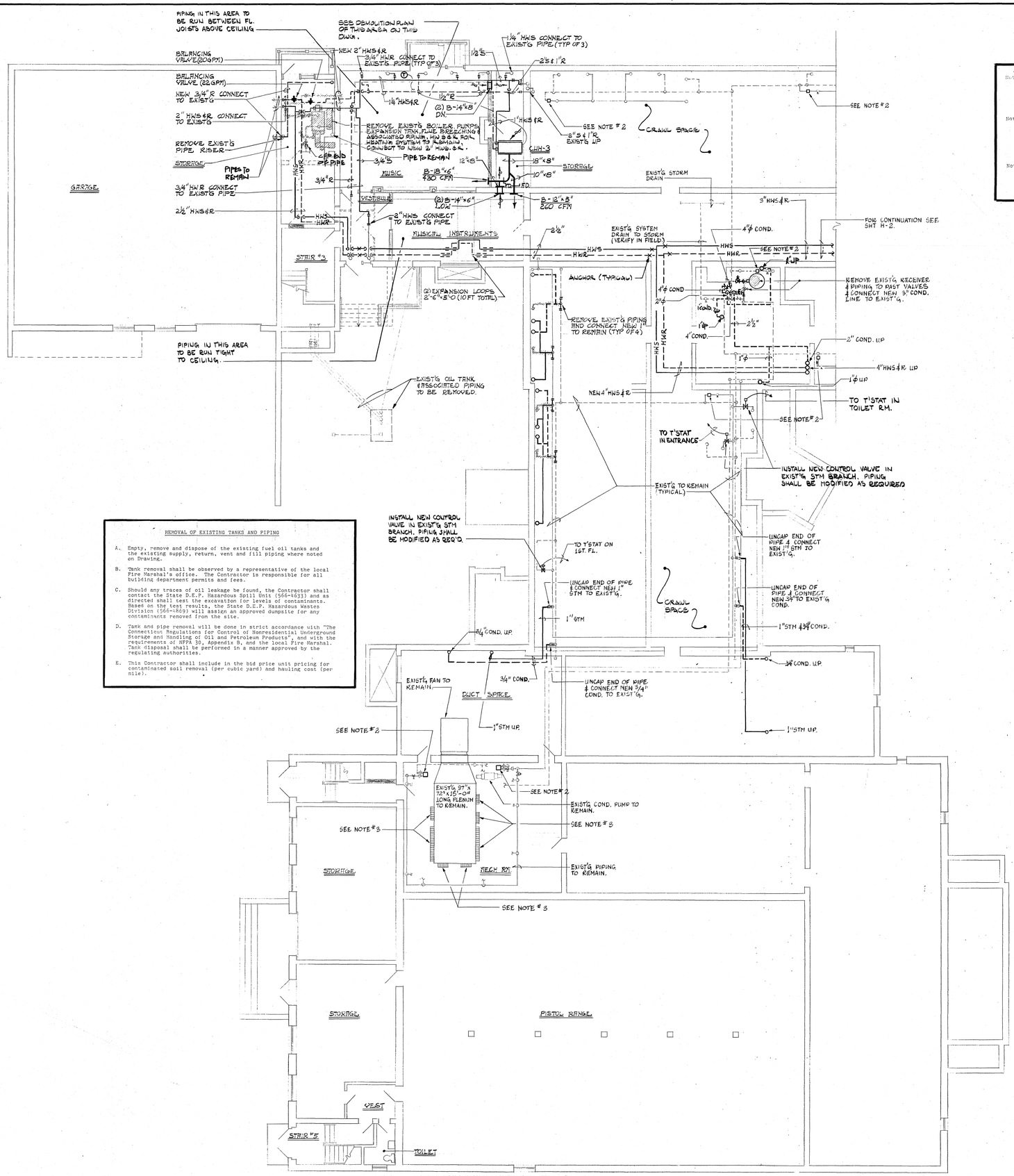
WASHINGTON PRIMARY SCHOOL

SECOND FLOOR PLUMBING PLAN
-NORTHWEST

SCALE 1/8" = 1'-0"
DRAWN BY GSK
DATE 2-1-89
REVISED

P - 4

JOSEPH MERRITT & CO.
A.S. 1-4-88



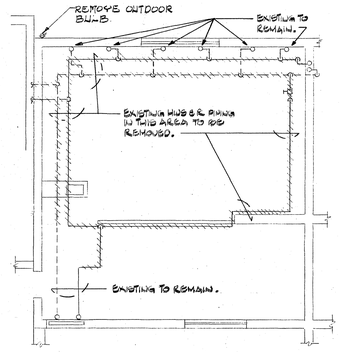
HVAC BASEMENT PLAN

SCALE: 1/8" = 1'-0"

Note #1. Remove existing steam condensate traps (including body) and replace with new Hoffman Thermostatic Traps, Model #17-C. Remove existing steam control valve (automatic or hand) and replace with new hand valve. Modify piping as required for proper installation. Contractor shall furnish five (5) new traps and hand valves in addition to those being installed to be turned over to Owner.

Note #2. Remove and replace end of main P&T steam traps, strainers and gate valves with new of required size and capacity. Majority of these assemblies are located in crawl space. Piping shall be modified as required for proper installation. Contractor shall furnish five (5) new of each P&T steam condensate traps, strainers and gate valves in addition to those being installed (to be turned over to Owner). P&T traps to be equal to Hoffman Series 55 P&T trap.

Note #3. Remove and replace coil steam condensate P&T traps with new of required size and capacity. Piping shall be modified as required for proper installation. Contractor shall furnish two (2) new steam condensate P&T traps in addition to those being installed to be turned over to Owner. P&T traps to be equal to Hoffman Series 55 P&T trap.



MUSIC ROOM DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

REMOVAL OF EXISTING TANKS AND PIPING

A. Empty, remove and dispose of the existing fuel oil tanks and the existing supply, return, vent and fill piping where noted on Drawing.

B. Tank removal shall be observed by a representative of the local Fire Marshal's office. The Contractor is responsible for all building department permits and fees.

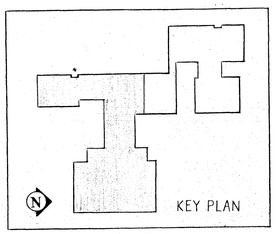
C. Should any traces of oil leakage be found, the Contractor shall contact the State D.E.P. Hazardous Spill Unit (566-4633) and as directed shall test the excavation for levels of contaminants. Based on the test results, the State D.E.P. Hazardous Wastes Division (566-4869) will assign an approved dumpsite for any contaminants removed from the site.

D. Tank and pipe removal will be done in strict accordance with "The Connecticut Regulations for Control of Nonresidential Underground Storage and Handling of Oil and Petroleum Products", and with the requirements of NFPA 30, Appendix B, and the local Fire Marshal. Tank disposal shall be performed in a manner approved by the regulating authorities.

E. This Contractor shall include in the bid price unit pricing for contaminated soil removal (per cubic yard) and hauling cost (per mile).

GENERAL NOTES

1. This job is a renovation. Before submitting his Bid, the Contractor shall visit the site and become thoroughly familiar with all existing conditions under which his work will be installed. This Contract includes all modifications of existing systems required for the installation of new equipment. This Contract includes all necessary offsets, transitions, and modifications required to install all new equipment in existing spaces. All new and existing equipment and systems shall be fully operational under this Contract before the job is considered complete. The Contractor shall be held responsible for any assumptions he makes, any omissions or errors he makes as a result of his failure to become fully familiar with the existing conditions and the Contract Documents of all trades.
2. All ductwork penetrations of floor slab, fire-rated wall or chases shall be protected with UL fire dampers (F.D.).
3. The location of all diffusers, registers and grilles shall be coordinated with the Architectural Reflected Ceiling Plans.
4. Provide insulated backplates for the thermostats located on exterior walls.
5. All ductwork elbows are to be full radius or squared with turning vanes.
6. The Contractor shall modify existing ductwork as required for the installation of fire dampers. Field measure ducts before ordering dampers.
7. All existing steam traps, including traps not shown on these Plans, shall be replaced, including traps for radiators, coils, unit heaters and piping drips. The Contractor to visit school before Bid to verify scope of work.
8. All new steam and condensate piping, fittings and valves shall be insulated. Verify existing pipe sizes in field.
9. The Contractor shall verify routing of new piping, prior to installing new piping, to verify clearance with existing equipment, piping or structural conditions.
10. The Contractor shall furnish and install lockable access doors in walls to all inaccessible attic or ceiling spaces where piping is to be installed. See Specifications for type.
11. Where piping is installed through floors or walls, the Contractor shall be required to re-route or off-set risers and piping if location shown on Plans for risers and piping is in conflict with existing structural or architectural condition.
12. Pitch steam and condensate piping one (1") inch per 20 feet. Provide drips and traps at low points.
13. All existing piping , radiators, convectors and other material removed shall be disposed of as directed by Owner.
14. The demolition drawing and notes are provided as a guide to the scope of demolition work. The work shall include, but not be limited to the scope of work shown and described on the Drawing and indicated in the Specifications. It is not the intent of the Drawing or notes to describe every demolition condition.



#87-181

C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-8626

CONSULTANTS:
MECHANICAL & ELECTRICAL: BURTON & VANHOUTEN ENGINEERS INC. 10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-2365
STRUCTURAL: GIRARD & CO. ENGINEERS 40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1594

WASHINGTON PRIMARY SCHOOL

HVAC BASEMENT PLAN

DRAWN BY DJH

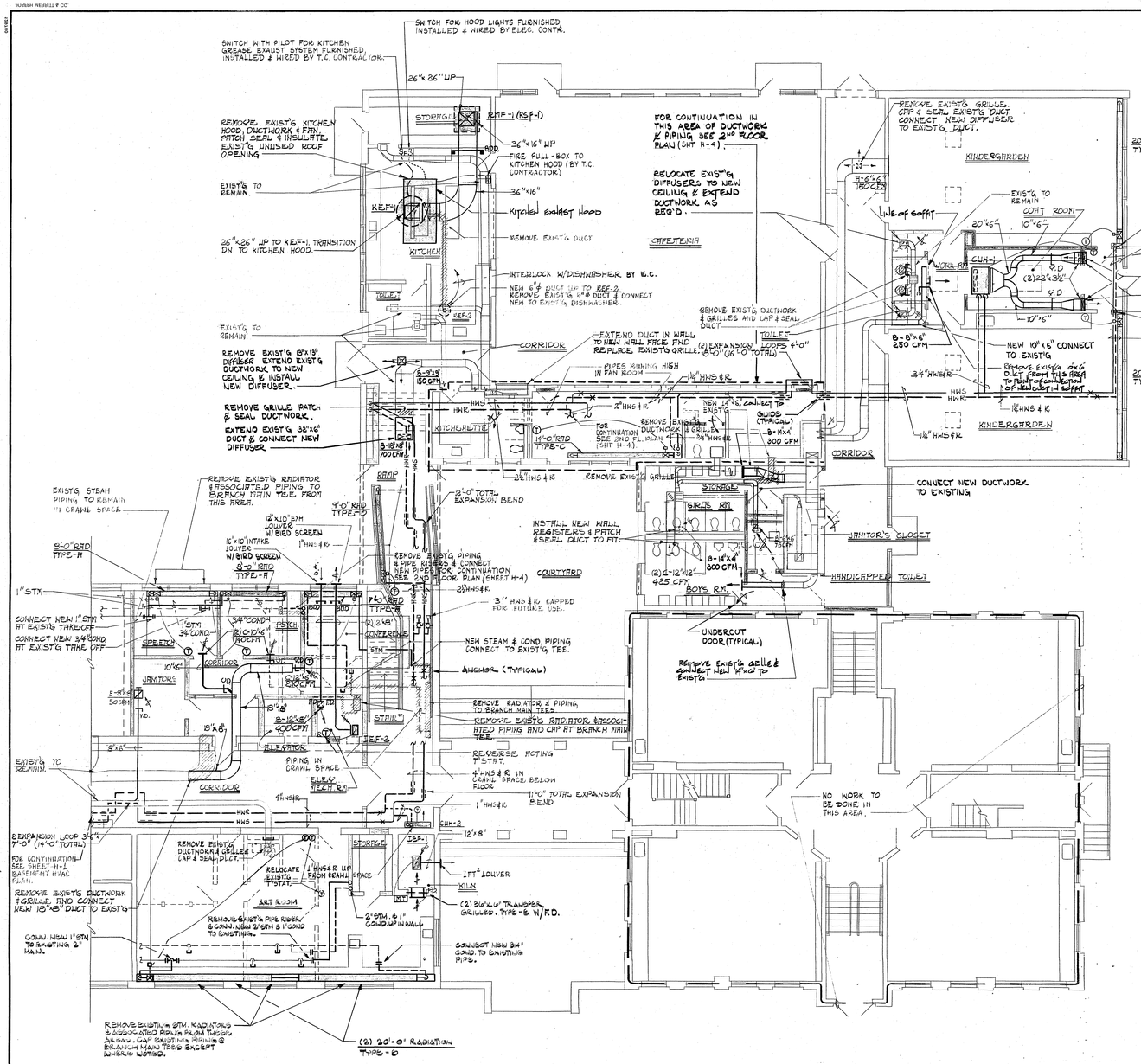
REVISED

SCALE: 1/8" = 1'-0"

DATE 2-1-88

H - 1

A.S. 1-4-88



FIRST FLOOR HVAC PLAN – NORTHWEST

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. This job is a renovation. Before submitting his Bid, the Contractor shall visit the site and become thoroughly familiar with all existing conditions under which his work will be installed. This Contract includes all modifications of existing systems required for the installation of new equipment. This Contract includes all necessary offsets, transitions, and modifications required to install all new equipment in existing spaces. All new and existing equipment and systems shall be fully operational under this Contract before the job is considered complete. The Contractor shall be held responsible for any assumptions he makes, any ommissions or errors he makes as a result of his failure to become fully familiar with the existing conditions and the Contract Documents of all trades.
2. All ductwork penetrations of floor slab, fire-rated wall or chases shall be protected with UL fire dampers (F.D.).
3. The location of all diffusers, registers and grilles shall be coordinated with the Architectural Reflected Ceiling Plans.
4. Provide insulated backplates for the thermostats located on exterior walls.
5. All ductwork elbows are to be full radius or squared with turning vanes.
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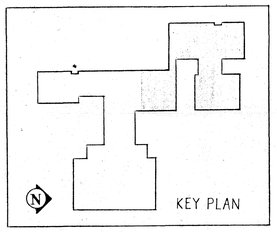
Note #1. Remove existing steam condensate traps (including body) and replace with new Hoffman Thermostatic Traps, Model #17-C. Remove existing steam control valve (automatic or hand) and replace with new hand valve. Modify piping as required for proper installation. Contractor shall furnish five (5) new traps and hand valves in addition to those being installed to be turned over to Owner.

Note #2. Remove and replace end of main P&T steam traps, strainers and gate valves with new of required size and capacity. Majority of these assemblies are located in crawl space. Piping shall be modified as required for proper installation. Contractor shall furnish five (5) new of each P&T steam condensate traps, strainers and gate valves in addition to those being installed (to be turned over to Owner). P&T traps to be equal to Hoffman Series 55 P&T trap.

Note #3. Remove and replace coil steam condensate P&T traps with new of required size and capacity. Piping shall be modified as required for proper installation. Contractor shall furnish two (2) new steam condensate P&T traps in addition to those being installed to be turned over to Owner. P&T traps to be equal to Hoffman Series 55 P&T trap.



#87-181

C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-8526

CONSULTANTS:
MECHANICAL & ELECTRICAL: BURTON & VANHOUTEN ENGINEERS INC.
10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-2265
STRUCTURAL: GIRARD & CO. ENGINEERS
40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1594

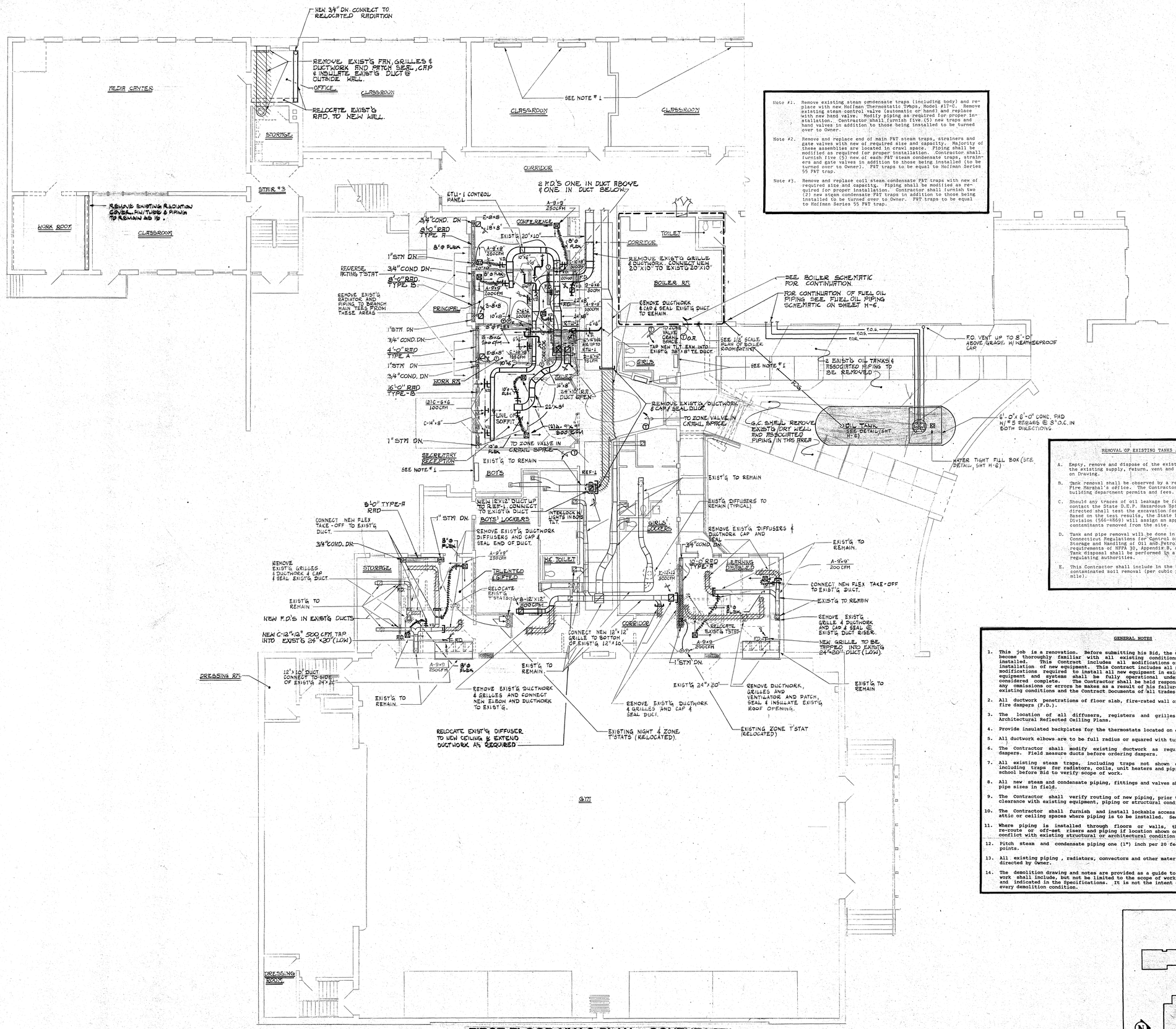
FIRST FLOOR HVAC PLAN – NORTHWEST

SCALE: 1/8" = 1'-0" DRAWN BY D.J.H.

DATE 2-1-89 REVISED

H - 2

WASHINGTON PRIMARY SCHOOL



FIRST FLOOR HVAC PLAN – SOUTHEAST

SCALE: 1/8" = 1'-0"

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REMOVAL OF EXISTING TANKS AND PIPING

A. Empty, remove and dispose of the existing fuel oil tanks and the existing supply, return, vent and fill piping where noted on Drawing.

B. Tank removal shall be observed by a representative of the local Fire Marshal's office. The Contractor is responsible for all building department permits and fees.

C. Should any traces of oil leakage be found, the Contractor shall contact the State D.E.P. Hazardous Spill Unit (566-4633) and as directed shall test the excavation for levels of contaminants. Based on the test results, the State D.E.P. Hazardous Wastes Division (566-8869) will assign an approved dumpsite for any contaminants removed from the site.

D. Tank and pipe removal will be done in strict accordance with "The Connecticut Regulations for Control of Nonresidential Underground Storage and Handling of Oil and Petroleum Products", and with the requirements of NFPA 30, Appendix B, and the local Fire Marshal. Tank disposal shall be performed in a manner approved by the regulating authorities.

E. This Contractor shall include in the bid price unit pricing for contaminated soil removal (per cubic yard) and hauling cost (per mile).

GENERAL NOTES

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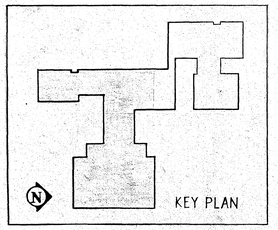


#87-181

C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-8526

BURTON & VANHOUTEN ENGINEERS INC.
10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-2266

GIRARD & CO. ENGINEERS
40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1194

CONSULTANTS:
MECHANICAL & ELECTRICAL:
STRUCTURAL:

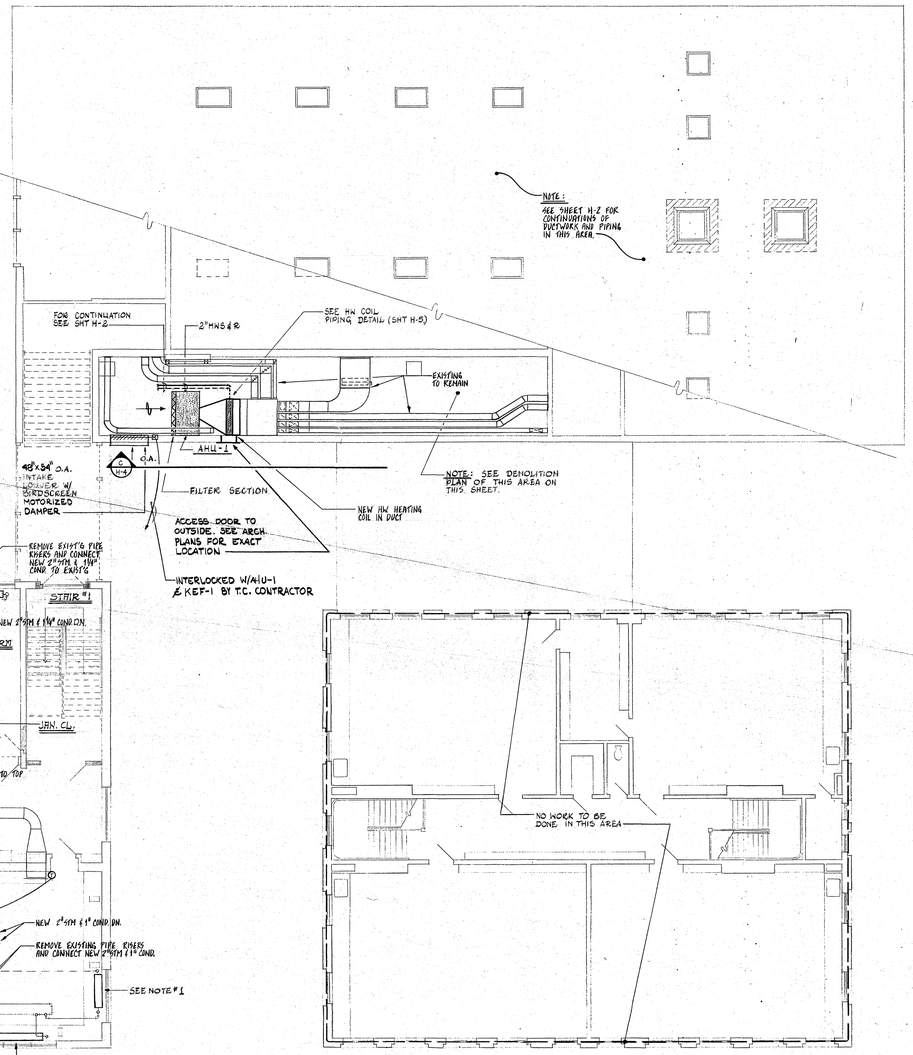
WASHINGTON PRIMARY SCHOOL

FIRST FLOOR HVAC PLAN– SOUTHEAST

SCALE: 1/8" = 1'-0"
DRAWN BY DJH
DATE 2-1-89
REVISED

H - 3

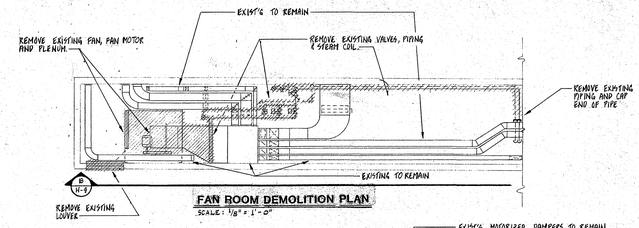
JOSEPH MERRITT & CO. A5 1-6-88



SECOND FLOOR HVAC PLAN–NORTHWEST

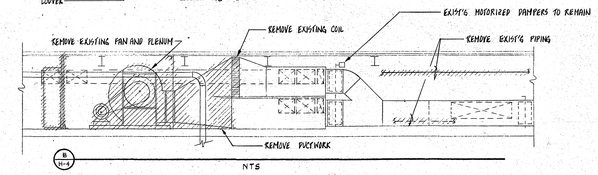
SCALE: 1/8" = 1'-0"

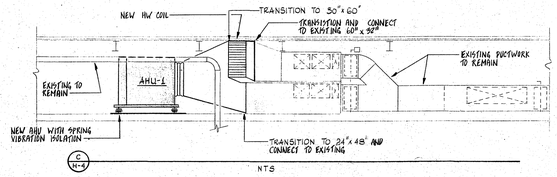
NOTE: ALL TAKE-OFFS FROM STM. MAINS SHALL BE OFF TOP OF PIPE

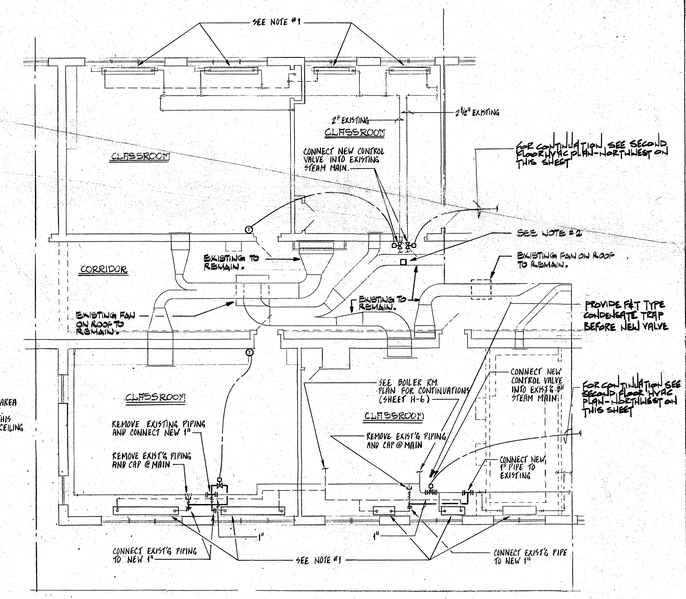


FAN ROOM DEMOLITION PLAN

SCALE: 1/8" = 1'-0"







SECOND FLOOR HVAC PLAN–SOUTHEAST

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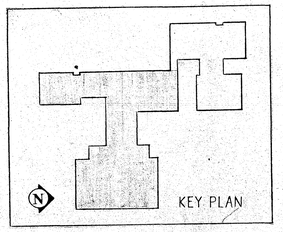


87-281

C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-8526

BURTON & VANHOUTEN ENGINEERS INC.
10 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-2866

GIRARD & CO. ENGINEERS
40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1594

CONSULTANTS:
MECHANICAL & ELECTRICAL:
STRUCTURAL:

WASHINGTON PRIMARY SCHOOL

SECOND FLOOR HVAC PLAN–NORTHWEST/SOUTHEAST & FAN ROOM DEMOLITION PLAN.

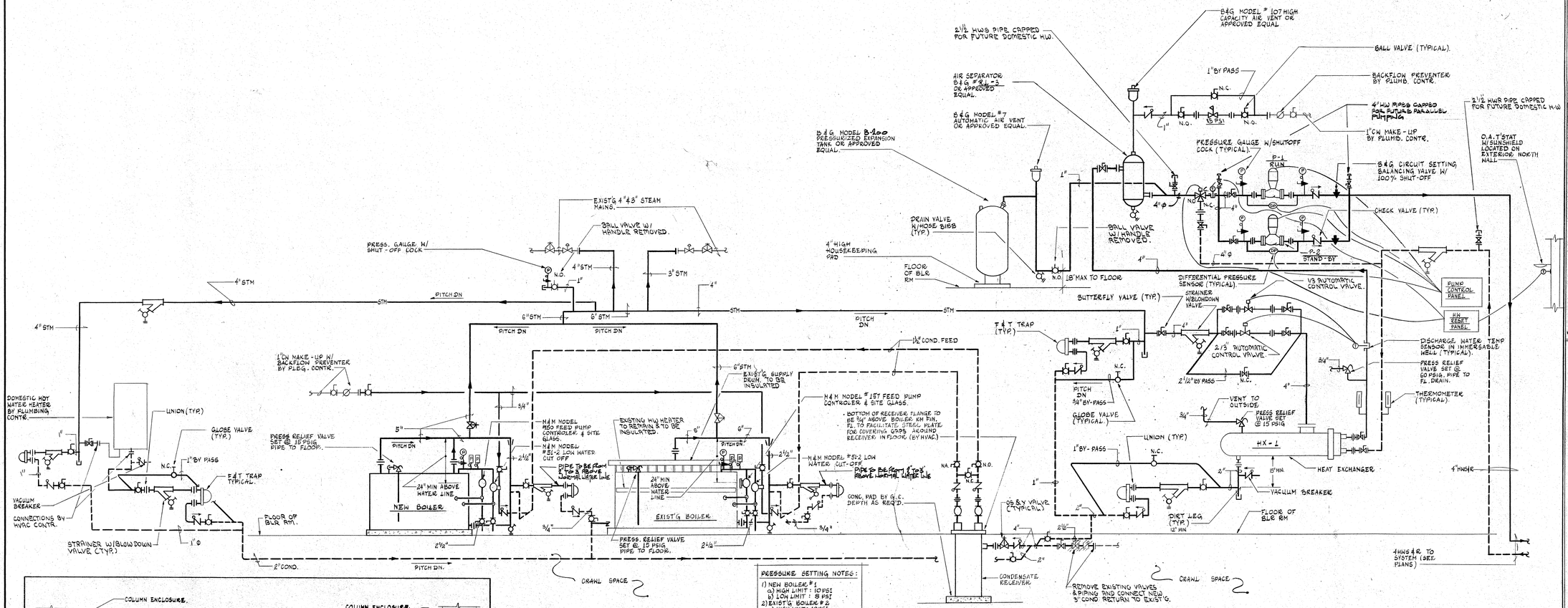
SCALE: 1/8" = 1'-0"

DRAWN BY: DJH

DATE 2-1-89

REVISED

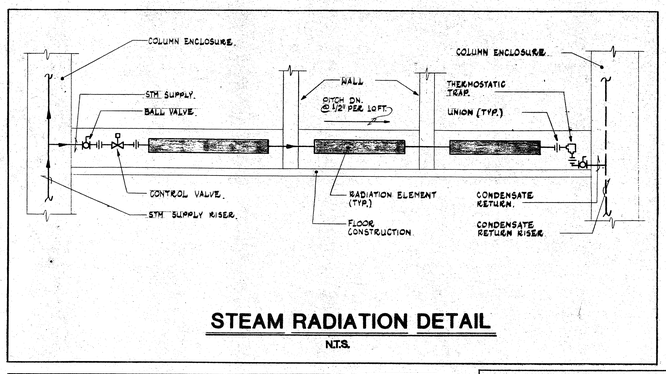
H - 4



PRESSURE SETTING NOTES:
1) NEW BOILER #1
a) HIGH LIMIT: 10 PSI
b) LOW LIMIT: 8 PSI
2) EXIST'G BOILER #2
a) HIGH LIMIT: 10 PSI
b) LOW LIMIT: 6 PSI

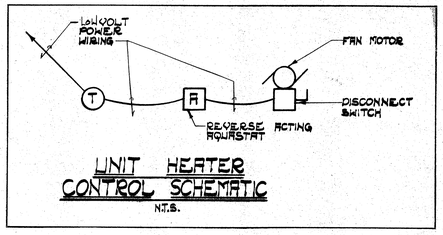
BOILER ROOM PIPING SCHEMATIC

N.T.S.



STEAM RADIATION DETAIL

N.T.S.



UNIT HEATER CONTROL SCHEMATIC

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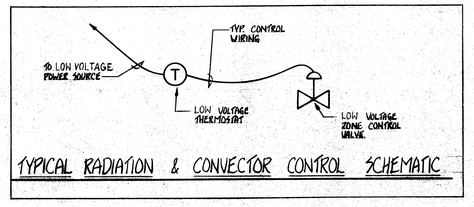
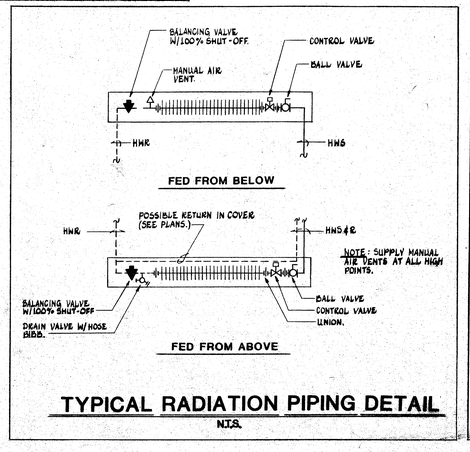


TYPICAL RADIATION & CONVECTOR CONTROL SCHEMATIC



TYPICAL RADIATION PIPING DETAIL

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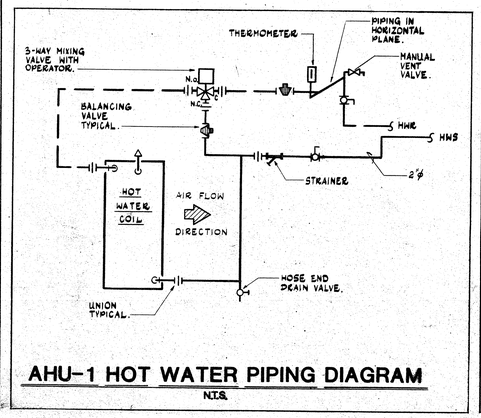
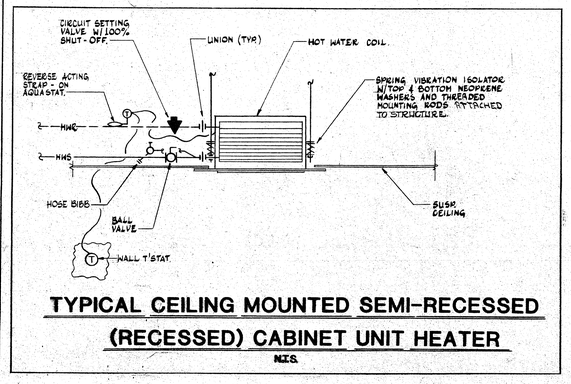


AHU-1 HOT WATER PIPING DIAGRAM

N.T.S.



TYPICAL CEILING MOUNTED SEMI-RECESSED (RECESSED) CABINET UNIT HEATER

N.T.S.

C. J. LAWLER ASSOCIATES
ARCHITECTS & PLANNERS
7 SOUTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 233-8526

CONSULTANTS:
MECHANICAL & ELECTRICAL: BURTON & VANHOUTEN ENGINEERS INC. 110 NORTH MAIN STREET WEST HARTFORD, CT. 06107 (203) 236-2866
STRUCTURAL: GIRARD & CO. ENGINEERS 40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1194

WASHINGTON PRIMARY SCHOOL

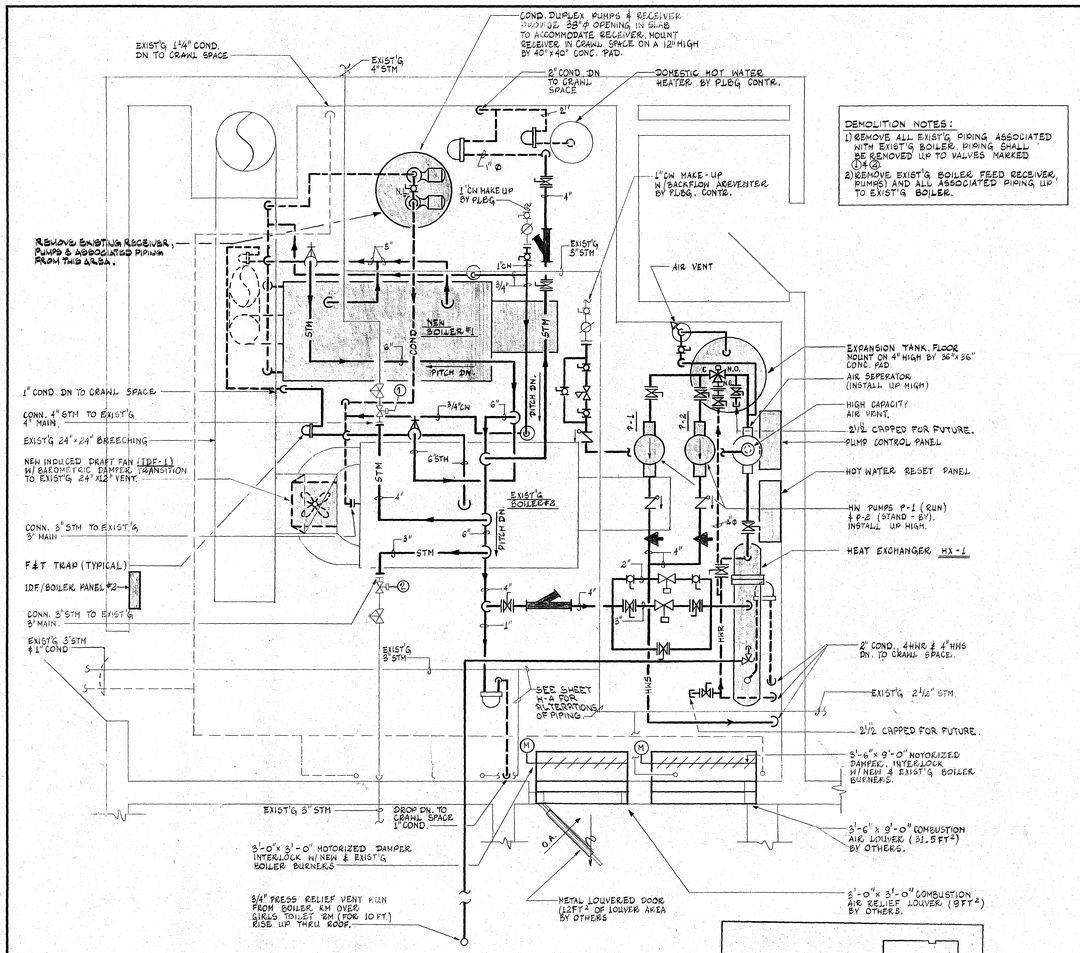
BOILER ROOM PIPING SCHEMATIC & DETAILS

SCALE AS NOTED | DRAWN BY DJH | DATE 2-1-83 | REVISED

H - 5

#87-281

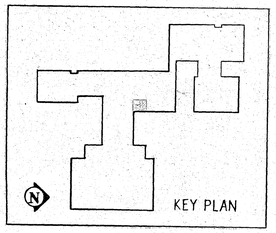
JOSEPH MERRITT & CO.



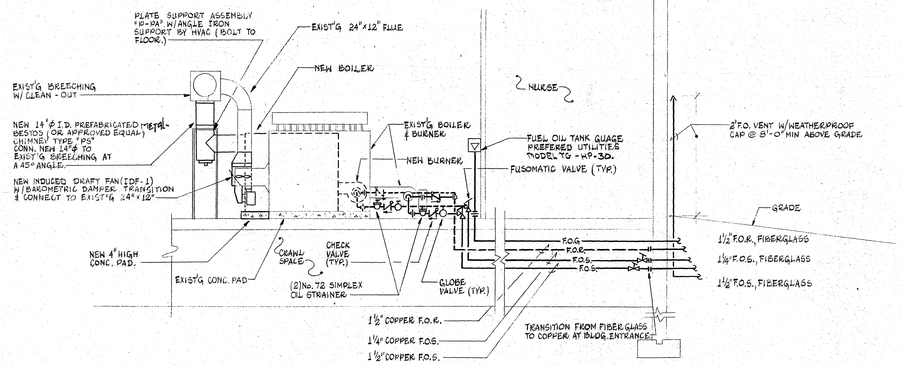
ENLARGED BOILER ROOM PLAN

SCALE: 1/2" = 1'-0"

DEMOLITION NOTES:
1) REMOVE ALL EXIST'G PIPING ASSOCIATED WITH EXIST'G BOILER. PIPING SHALL BE REMOVED UP TO VALVES MARKED (D1) (D2)
2) REMOVE EXIST'G BOILER FEED RECEIVER, PUMP(S) AND ALL ASSOCIATED PIPING UP TO EXIST'G BOILER.

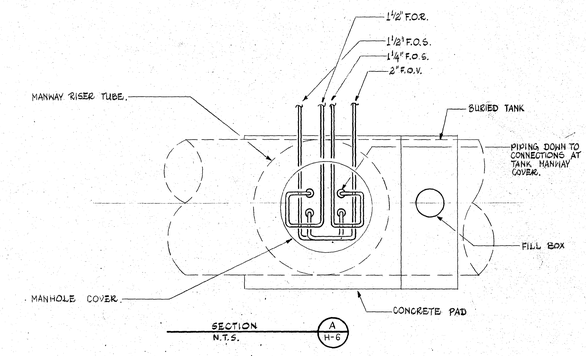


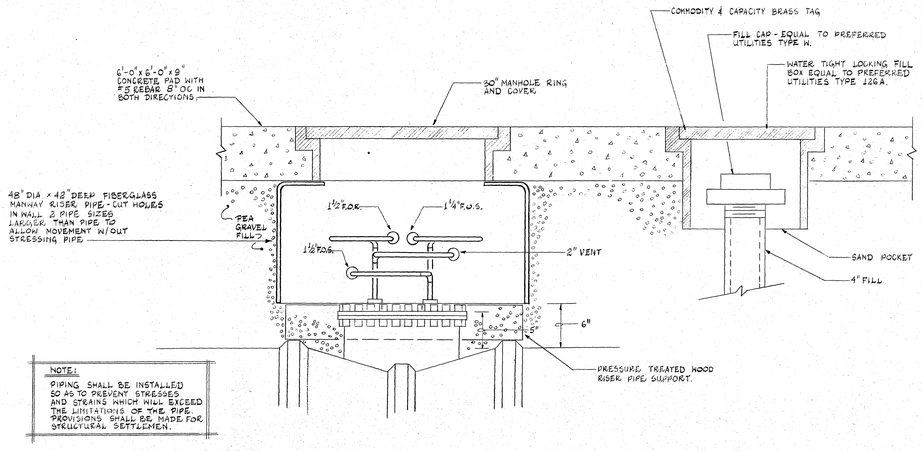
NOTE: FUEL OIL RETURN PIPING TO BE RUN @ HIGHER ELEVATION THAN FUEL OIL SUPPLY PIPING.



FUEL OIL PIPING SCHEMATIC & BREECHING DETAIL

SCALE: 1/4" = 1'-0"

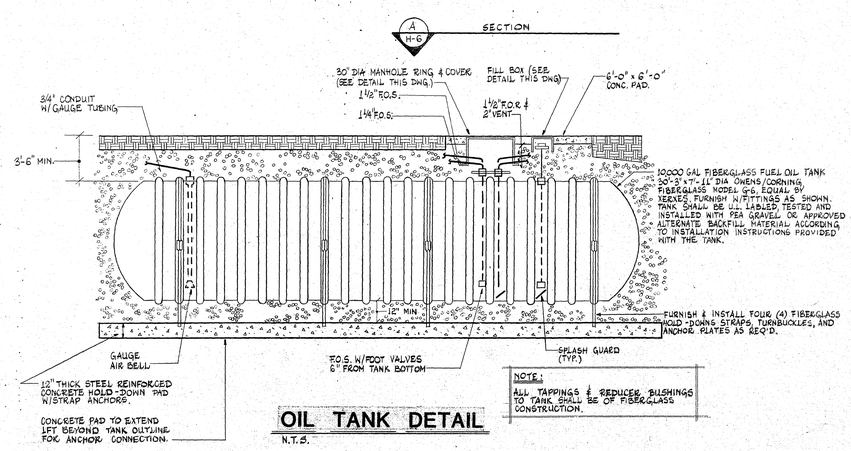




NOTE:
PIPING SHALL BE INSTALLED SO AS TO PREVENT STRESSES AND STRAINS WHICH WILL EXCEED THE LIMITATIONS OF THE PIPE. PROVISIONS SHALL BE MADE FOR STRUCTURAL SETTLEMENT.

MANHOLE DETAIL & FILL BOX DETAIL

N.T.S.



NOTE:
ALL TAPPINGS & REDUCER BUSHINGS TO TANK SHALL BE OF FIBERGLASS CONSTRUCTION.

OIL TANK DETAIL

N.T.S.

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BURTON & VANHOUTEN ENGINEERS INC.
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GIRARD & CO. ENGINEERS
40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1594

CONSULTANTS:
MECHANICAL & ELECTRICAL:
STRUCTURAL:

WASHINGTON PRIMARY SCHOOL

ENLARGED BOILER ROOM PLAN & FUEL OIL PIPING DETAILS

SCALE: 1/2" = 1'-0"
DRAWN BY: DJH
DATE: 2-1-89
REVISED

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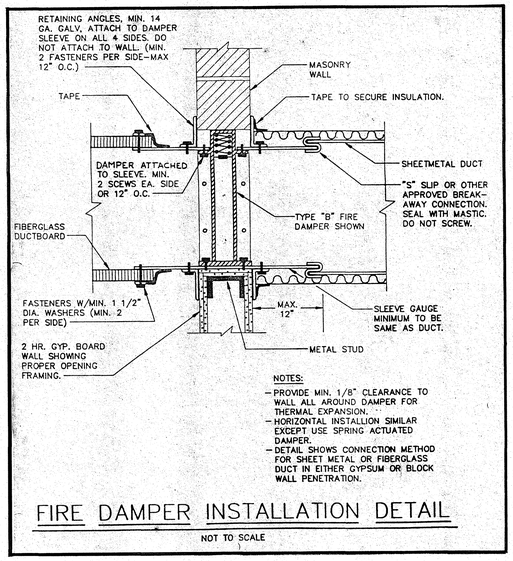
#87-481

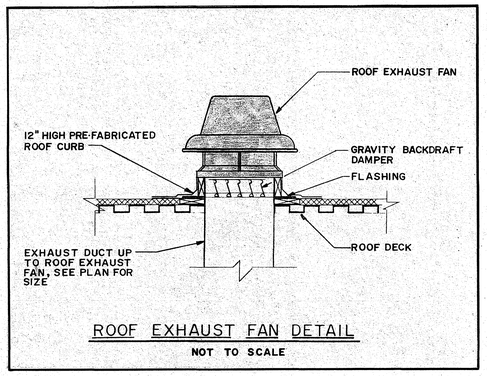
JOSEPH MERRITT & CO.



NOTES:
- PROVIDE MIN. 1/8" CLEARANCE TO WALL ALL AROUND DAMPER FOR THERMAL EXPANSION.
- HORIZONTAL INSTALLION SIMILAR EXCEPT USE SPRING ACTUATED DAMPER.
- DETAIL SHOWS CONNECTION METHOD FOR SHEET METAL OR FIBERGLASS DUCT IN EITHER GYPSUM OR BLOCK WALL PENETRATION.

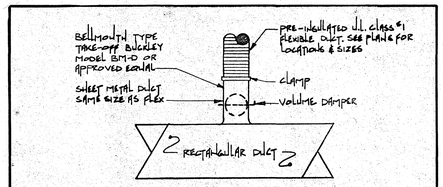
FIRE DAMPER INSTALLATION DETAIL

NOT TO SCALE



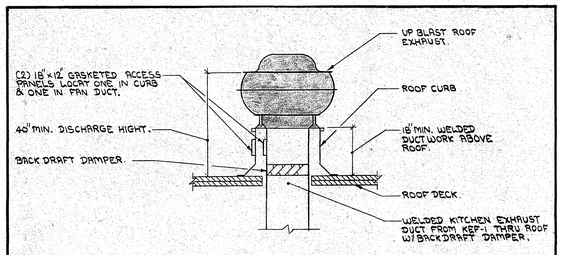
ROOF EXHAUST FAN DETAIL

NOT TO SCALE



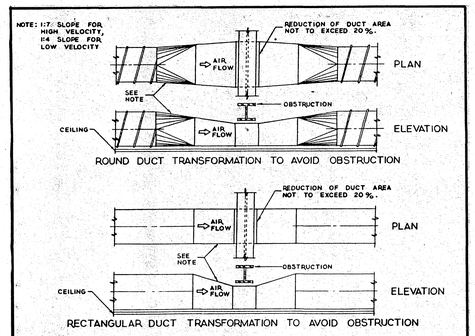
SECONDARY DUCTWORK TYPICAL FLEXIBLE TAKE-OFF DETAIL

NOT TO SCALE



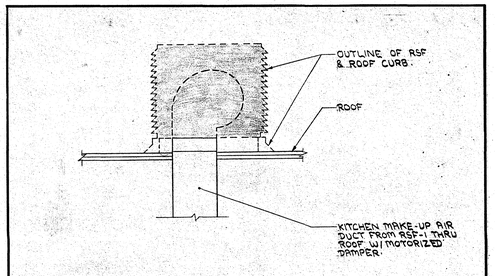
KITCHEN HOOD EXHAUST FAN (KEF-1)

SCALE : N.T.S.



DUCT OBSTRUCTION TRANSFORMATION DETAILS

NTS



KITCHEN HOOD MAKE-UP AIR FAN (RSF-1)

SCALE : N.T.S.

HVAC ABBREVIATIONS LIST

MBH	Thousands of BTU/Hr
T'STAT	Thermostat
HWS	Hot Water System
HWR	Hot Water Return
S&R	Supply & Return
FOS	Fuel Oil Supply
FOR	Fuel Oil Return
FOG	Fuel Oil Gauge
FOV	Fuel Oil Vent
N.O.	Normally Open (Valve)
N.C.	Normally Closed (Valve)
FB	Duct Transition-Flat on Bottom
FT	Duct Transition-Flat on Top
AFF	Above Finished Floor
BFF	Below Finished Floor
BG	Below Grade
WP	Weather Proof
DB	Dry Bulb Temperature
WB	Wet Bulb Temperature
OA	Outside Air
RA	Return Air
SA	Supply Air
EXH	Exhaust
CFM	Cubic Feet Per Minute
GPM	Gallons Per Minute
GAL	Gallon
"WG	Inches of Water, Gage (Pressure)
SP	Static Pressure
ESP	External Static Pressure
REQ'D	Required
VD	Volume Damper
FD	Fire Damper
BDD	Back Draft Damper
MD	Motorized Damper
AD	Access Door
DG	Door Grille
E.A.T.	Entering Air Temperature
EWT	Entering Water Temperature
LAT	Leaving Air Temperature
LWT	Leaving Water Temperature
ΔT	Temperature Difference
APD	Air Pressure Drop
WPD	Water Pressure Drop
F&T	Float & Thermostatic Trap
GC	Gravity Condensate Line
STM	Steam
COND	Condensate
KEF	Kitchen Exhaust Fan
RTU	Roof Top Unit
RSF	Roof Supply Fan
REF	Roof Exhaust Fan
CEF	Ceiling Exhaust Fan
RMF	Roof Make-up Fan
IEF	Inline Exhaust Fan
AHU	Air Handling Unit
BLR	Boiler
IDF	Induced Draft Fan
HX	Heat Exchanger
CUH	Cabinet Unit Heater
RAD	Radiation

HVAC SYMBOL LIST

- Rectangular or Round Air Duct (Plan View)
- Duct with 1" Acoustical Lining
- Existing Duct to be Removed
- Flexible Duct Connection
- Supply or Outside Air Duct Up
- Supply or Outside Air Duct Down
- Return or Exhaust Duct Up
- Return or Exhaust Duct Down
- F.D. Fire Damper in Wall
- UP Duct Rise in Direction of Arrow (Airflow)
- DOWN Duct Drop in Direction of Arrow (Airflow)
- Flexible Duct
- Direction of Supply or Outside Air
- Direction of Return or Exhaust Air
- Hot Water or Stm. Radiation. Shaded Area Indicates Active Heating Element, Unshaded Indicates Length of Cover.
- Existing Radiation to be removed
- Hot Water or Steam Supply Line
- Hot Water or Condensate Return Line
- Pipe to be removed
- Air Vent (Manual or Automatic)
- Pressure Relief Valve
- Gate Valve
- Globe Valve
- Ball Valve
- Balancing Valve
- Drain Valve
- Check Valve
- Butterfly Valve
- Backflow Preventor
- Strainer W/Blow-Down-Valve
- OS&Y Valve
- Shut-Off Cock
- Control Valve
- 3-Way Temperature Modulating Valve
- In-Line Expansion Compensator
- Union
- Anchor
- Guides
- Direction of Fluid Flow
- Pipe Elbow Up
- Pipe Elbow Down
- Takeoff From Top of Main Pipe
- Takeoff From Bottom of Main Pipe
- T Room Thermostat
- Thermometer
- Capped End of Pipe
- Flexible Connector
- P Pressure Gauge
- Pressure Reducing Valve

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CONSULTANTS:
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STRUCTURAL: GIRARD & CO. ENGINEERS
49 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1294

WASHINGTON PRIMARY SCHOOL

HVAC DETAILS AND SYMBOL LIST & ABBREVIATIONS

SCALE NONE
DRAWN BY DJH
DATE 2-1-89
REVISED

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JOSEPH MERRITT & CO.

BOILER/BURNER SCHEDULE

The HVAC Contractor shall furnish and install boiler/burner unit as manufacutred by H.B. Smith. The boiler shall be of a low pressure, cast-iron wet base design and constructed in accordance with the provisions of Section IV of the ASME Boiler and Pressure Vessel Code and include the IBR symbol of certification.

The boiler shall be completely assembled at the job site in strict and exact accordance with the manufacturer's installation instructions.

The boiler shall be suitable for steam system and be stamped for a maximum working pressure of 15 PSIG. The boiler shall be provided with an ASME listed safety valve set at 15 PSIG and have a discharge capacity equal to or greater than the listed IBR gross output MBH of the boiler. The installing Contractor shall provide necessary piping to connect the safety valve -full size- to within six (6") inches of floor so as to be no danger of scalding boiler room personnel during a relief situation.

The steam boiler shall be provided with an ASME approved safety valve, steam gauge, gauge glass set, manual reset high limit control operation pressure control, pump controller/cutoff with piping, emergency feeder/cutoff with piping and float and thermostatic trap.

The burner fuel system shall conform to all State and local applicable Codes and with the requirements of UL. The burner shall be of the flame retention design, with high efficiency and good performance under either natural or forced draft venting conditions. The boiler shall be pressurized under either draft venting condition.

The burner shall be provided with low/high/low firing mode, a prewired electronic control panel which will incorporate a UL listed primary flame safeguard control. The panel will be mounted on the burner itself. The burner shall be provided with a prepurge primary flame safeguard, control circuit fuse, power on light, flame failure light and alarm bell with reset switch, air flow switch and low fire hold switch. All boiler control wiring on the new and existing boilers shall be by the HVAC Contractor.

The boiler manufacturer shall provide the services of their own service department personnel who shall conduct a start-up of the entire boiler/burner unit. The start-up shall check all limits, safety devices and controls. The unit shall be set to optimum efficiency and a report shall be made to the Contractor. This Contractor shall relay this report to the Engineer for his review.

The boiler manufacturer shall contract the service of this installation to a reputable service group who on a 24 hour a day basis will respond to all reports of problems. The response will be within a six (6) hour period or less.

UNIT	MODEL	OUTPUT MBH IBR GROSS	OUTPUT MBH IBR NET	OIL BURNER MODEL	OIL BURNER VOLTAGE/PHASE	HP	FUEL OIL	REMARKS
B-1	L028-S-9	2,076	1,611.80	Carlin 801CRD	208/3	3/4	#2	

EXISTING BOILER SCHEDULE

In addition to the fan modifications the installing Contractor will retune the burner to its optimum efficiency according to the maximum boiler rating. The existing steam boiler shall be provided with new manual reset high limit control, operating control, pump controller/cutoff and emergency feeder/cutoff. The Contractor will properly add a float and thermostatic valve to eliminate high water condition. This Contractor will also insure the low water devices, pressure controls, relief valve, all boiler/burner equipment and boiler insulation/sealing, if not replaced, are properly cleaned and/or repaired and/or replaced according to the Mechanical Engineer's direction. The cost for such retuning, repairing or replacing will be part of the initial Bid and will not require additional monies to the Owner.

INDUCED DRAFT FAN (IDF-1)

Contractor shall furnish and install an induced draft fan as manufactured by Wing, Model #14D 3/4 with a Carbondale Barometric Damper and a induced draft control panel to the existing HB Smith Model #3500-S-14. The fan motor voltage will be 208V-3ø, 3/4 HP. The draft control panel will contain at least the following components: Magnetic starter, prepurge and draft safety switch, terminal block, red warning light for low draft condition installed and wired in a wall-mounted panel. This panel will be properly interlocked to the burner operation by the Temperature Control Contractor and will not allow the firing mode to initiate or continue in the event of a no draft situation.

BOILER FEED UNIT

Furnish and install according to manufacturer's instructions a Duplex type underground boiler feed unit as shown on Drawings. Each unit shall consist of one (1) condensate receiver, two (2) water pumps, one (1) water make-up assembly and all accessories as hereafter specified. Boiler feed receiver shall be underground style, close grained cast iron. Receiver shall be equipped with a water make-up assembly of capacity equal to one (1) boiler feed pump. The assembly shall consist of a level control switch and solenoid electric valve. The valve shall be equipped with a strainer and a manual bypass shall be provided around the valve. The unit shall be equipped with vent and inlet openings. Receiver shall be sized for 10 minute net storage based upon system return rate. Boiler feed pumps shall be vertically mounted, flexible coupled mechanical seal, driven by vertical drip-proof ball bearing motors. Each pump shall be fitted with a ball thrust bearing with provision for lubrication, enclosed bronze impellers, renewable bronze case rings, and stainless steel shaft.

MODEL NUMBER	RECEIVER SIZE	TOTAL CAP.	FLOAT CAP.	FEED WATER PUMPS NO.	GPM	PSI	HP	VOLTS/PHASE	REMARKS
202.5CMU	36"ø x 48"	211	110	2	20	25	3/4	208/3	Furnish and install gate valves check valves and flexible connector on pump discharge.

WATER CIRCULATING PUMPS

HVAC Contractor shall furnish and install centrifugal water circulating pumps as manufactured by ITT Bell & Gossett or equal by Armstrong or Taco. Pumps shall be bronze fitted with mechanical seals, unless indicated otherwise. Furnish with across-line magnetic starters with H.O.A. switch, 120 Volt control transformers, built-in thermal overloads and two (2) pairs of convertible auxiliary contacts. Pumps shall be aligned and adjusted by a trained service representative of the manufacturer. Power supply to motors will be 208V-3ø-60 Hz.

PUMP NUMBER	MODEL NUMBER	GPM EACH	HEAD/PUMP IN FEET	MOTOR HP	MOTOR RPM	REMARKS
P-1, P-2	Series 80 2-1/2 x 2-1/2 x 9-1/2 B	100	75	5	1750	Hot water pumps. One (1) run, one (1) standby. Furnished with one (1) differential pressure switch on each pump.

HEAT EXCHANGER (HX-1)

Furnish and install a steam-to-water heat exchanger as manufactured by "ITT Bell & Gossett". Equal by Whitlock, Armstrong or Taco may be submitted for approval. Exchanger shall be Model SU108-2. Exchanger capacity shall be to heat 180 GPM of water in tubes from 180°F to 200°F, with 5 PSI steam in shell. Water pressure drop through exchanger shall not exceed five (5') feet in tubes. Shell side flow to be 1875 lbs./hour. Exchanger construction shall comply with the latest ASME Code for pressure vessels. Exchangers shall be equipped with proper shell side relief valve set at 15 PSI and vacuum breaker. Capacity based on 0.001 fouling factor. Provide mounting saddles as required for hanging installation.

HOT WATER/STEAM RADIATION

Furnish and install hot water radiation or steam radiation as manufactured by Sterling or equal by Trane or Vulcan. Enclosures to be of 14-gauge steel. Color selection by Architect. Heating element lengths as indicated on Plans. Extend cover wall to wall unless shown otherwise. Provide allen-head screw type access panel in cover for valves where required. Provide, as part of the enclosure, end cap and full backplate with rubber gasket at wall for complete air seal.

TYPE	MODEL	COVER STYLE	HEIGHT ENCL.	HEIGHT MOUNT.	SIZE	FPF	TUBING	WIDTH	MATERIAL	BTUH/LF	AWT°F	Remarks
A	Versa-Line	Slope JVB-5	14"	18"	1-Tier 4-1/4" x 4-1/4"	32	1-1/4"C	0.020"	Aluminum	1620	N/A	Steam Radiation
B	Versa-Line	Bare	N/A	N/A	1-Tier 4-1/4" x 4-1/4"	32	1-1/4"C	0.020"	Aluminum	1460	N/A	Steam radiation. Element only for use with Architect enclosure.
C	Versa-Line	Slope JVB-5	14"	18"	1-Tier 4-1/4" x 4-1/4"	32	1-1/4"C	0.020"	Aluminum	1260	190	Hot water radiation.
D	Versa-Line	Pedestal VB-PM	6-3/4"	10-3/5"	1-Tier 4-1/4" x 4-1/4"	40	1"C	0.020"	Aluminum	1120	190	Hot water radiation.

ROOFTOP UNIT (RTU)

HVAC Contractor shall furnish and install rooftop cooling only unit, as manufactured by Lennox. Equal by Trane or Carrier may be submitted for approval. Units shall be completely factory assembled, tested, and shall include: Casing, roof curb, compressors, evaporator coil, supply fan and motor, condenser coil, precharge, condenser fan and motor, and all interconnecting wiring, piping and filters.

Unit's casing shall be completely weatherproof, heavy gauge galvanized steel with epoxy-primered, baked enamel finish. Casing shall be insulated with one (1") inch thick, one (1) pound density fiberglass insulation with matte finish. Casing shall have removable insulated and hinged access panels for servicing coil and fan sections. Furnish units with a 14-inch high, factory-assembled roof curb of 16-gauge galvanized steel.

Compressors shall be hermetic type, mounted on vibration isolators, with crankcase heaters, service valves, high and low pressure controls, thermal and current overload protection, anti-short cycle timer, and a full five (5) year warranty. Evaporator and condenser coils shall be aluminum fin and copper tube construction, circuited for full coil face area refrigerant flow during reduced loading. Evaporator coil shall have an insulated condensate drain pan under it which discharges outside the unit.

Supply fans shall be forward-curved, centrifugal, direct-drive type with multiple speed taps. Fans shall be statically and dynamically balanced and shall have permanently lubricated ball bearings. Motors shall be resiliently mounted. Condenser fans shall be direct-drive propeller type, discharging vertically, drawing air in through condenser coils. Motors shall be weatherproof and thermally protected.

Units shall have duct enclosure of galvanized steel and baked on polyester paint finish. Duct enclosure shall be fully insulated and supplied with minimum outside air intake damper (set at 10% minimum) and two (2) sets of fiberglass throw-away filters, one (1) for start-up and one (1) clean set to be installed at time of turnover to Owner.

Assessories to be furnished with units shall be 24 Volt control transformer, and a low voltage thermostat with Off-Cool, Fan-On-Auto sub-base. Provide a combination disconnect switch/magnetic starter with one (1) spare N.O. contactor. Temperature Control Contractor to wire and provide high temperature detection device to be installed in supply and return air ductwork. Power supply to unit shall be 208 Volt, 3-phase, 60 Hz. Cooling output based on 95°F air entering condenser and 67°F wet bulb entering evaporator.

UNIT NUMBER	MODEL NUMBER	EVAPORATOR FAN HP	COMPRESSOR WATTS	COOLING OUTPUT MBH	SUPPLY FAN CFM	SUPPLY FAN ESP	SUPPLY FAN HP	REMARKS
RTU-1	CHA 15-513	3/4	4640	50.7	1600	0.5"	1/4	

AIR HANDLING UNIT (AHU-3)

Furnish and install cabinet fan as manufactured by Trane Company; equal by McQuay or Bohn may be submitted for approval. Verify that units will fit in assigned spaces with adequate clearance for maintenance and coil removal. Unit shall be complete with casing, fan, motor and drive, filter box and accessories as listed below.

Casing shall be heavy gauge steel, angle reinforced, and shall have a phosphatized baked enamel finish. Casing shall be insulated with one (1") inch thick, 3/4 lb. density, fiberglass insulation with matte finish. Unit shall have gasketed, insulated, hinged access panels to fan sections on both sides of unit. Access openings shall be framed and finished. Sawcut openings are not acceptable.

Fan shall be double width, double inlet, forward curved or airfoil as specified, centrifugal type, statically and dynamically balanced at the factory. Bearings shall be externally mounted, grease lubricated ball bearings with extended lubrication lines, rated for 200,000 hours life. Fan shall be belt driven with matched belt sets through adjustable pitch pulleys. Motor shall be externally mounted for servicing and shall have rubber vibration isolators and adjustable mounting brackets.

Unit shall have a flat filter box assembly with hinged and gasketed access doors at top and side for using flat, pleated media, fiberglass filters. Furnish two (2) sets of filters, one (1) for start-up and balancing, and a new set to be installed at time of acceptance by Owner. Provide unit with base-mounted spring vibration isolation.

Unit voltage shall be 208V, 3-phase, 60 Hz. Motor shall be high efficiency, open drip-proof type. Provide magnetic across-line starter and 115 Volt control transformer.

Starter shall have two (2) spare sets of normally open dry contacts.

Provide all control devices as required to perform sequence of operations as described in the Specifications, Section 15900.

UNIT NUMBER	TRANE MODEL NUMBER	CFM	MIN. O.A. CFM	APPROX. TSP	FAN TYPE DIA.	FAN MOTOR HP	FAN APPROX. RPM	REMARKS
AHU-1	CF-14A	7800	780	1.5"	F.C./ 20"	3	527	Cabinet fan and O.A. damper interlocked with KEF-1.

HEATING COIL (AHU-1)

HVAC Contractor shall furnish and install in ductwork hot water heating coils as manufactured by Airtherm, Carrier, Singer, Trane or approved equal.

MODEL NUMBER	SIZE H x L	ROWS	TYPE	MBH	MAX H2O	PD AIR	CFM	EWT °F	LWT °F	EAT °F	LAT °F	GPM
PF (PRIMA-FLO)	30" x 60"	3	W	680	0.9	0.34	7800	200	160	45	125	34

DIFFUSERS, REGISTERS AND GRILLES

Furnish and install diffusers, registers and grilles as manufactured by Titus, Price or Metalaire. Provide square to round transitions where required. Sizes on Plans are neck sizes. Consult Architect for color.

TYPE	MODEL NUMBER	ACCESSORIES	REMARKS
A	TMS	Opposed Blade Damper	Ceiling Supply Diffuser
B	301RL	Opposed Blade Damper	Wall Supply Grille
C	350RL	Opposed Blade Damper	Wall Return Grille/Register
D	350RL	Opposed Blade Damper	Ceiling Return Register
E	350RL	----	Ceiling Return Grille

FIRE DAMPERS

Furnish and install fire dampers as manufactured by Ruskin or approved equal. Frame shall be constructed of 20-gauge, galvanized steel. Damper blades shall be constructed of 24-gauge with recessed interlocking blades. Dampers shall be suitable for horizontal or vertical mounting. Dampers shall be UL labeled according to UL Standard 555 for 1-1/2 hours for use in walls of two (2) hours or less fire rating. Provide fusible like with a melting point as required by local Codes. Dampers shall be installed according to the manufacturer's instructions. Provide gasketed, hinged, insulated access panels in duct as required for proper access. Vertical and horizontally mounted fire dampers shall be UL 95% minimum free area.

ROOF EXHAUST FAN SCHEDULE (REF)

HVAC Contractor shall furnish and install roof exhaust fans as manufactured by Greenheck or approved equal. Fans shall be downblast, and shall be furnished with gravity backdraft damper, 12-inch high self-flashing aluminum roof curb, bird screen, factory-wired disconnect switch and cold weather belts. Provide shaded pole and permanent split capasitors and thermal overload protection. Housing and Venturi inlet shall be constructed of spun aluminum. Fan shall be AMCA certified. Provide with remote-mounted speed control (to be mounted in ceiling below unit).

FAN	MODEL NUMBER	MOTOR CFM	MOTOR ESP	MOTOR HP	MOTOR VOLTAGE	FAN RPM	DRIVE	REMARKS
REF-1	G-95-D	625	0.5"	1/8	120 - 1ø	1550	Direct	Interlock with TLT lights by Electrical Contractor.
REF-2	GB-7-4	144	0.375"	1/4	120 - 1ø	1350	Belt	Interlock with dishwasher by Electrical Contractor.

IN-LINE EXHAUST FANS (IEF)

HVAC Contractor shall furnish and install in-line exhaust fans as manufactured by Greenheck or approved equal. Provide heavy gauge galvanized steel cabinet with duct flanges on inlet and discharge with removable side panel for service. Fan shall be aluminum, backward inclined, centrifugal type. Motors shall be high efficiency type. Bearings shall be permantly lubricated. Provide cold weather belts for belt driven model. Provide spring type hanging vibration isolation. Power shall be 120 Volt - 1ø. Provide factory wired disconnect switch and thermal overload protection. Provide insulated housing and unit-mounted variable speed control for direct drive models.

UNIT NUMBER	MODEL NUMBER	CFM	ESP	HP	RPM	REMARKS
IEF-1	SP-50	400	0.15	1/15	1050	Kiln exhaust remote marktime switch wired and provided by Temperature Control Contractor.
IEF-2	SP-50	395	0.25	1/15	1050	Elevator machine room exhaust. Reverse acting thermostat wired and provided by Temperature Control Contractor.

KITCHEN EXHAUST FAN SCHEDULE (KEF)

HVAC Contractor shall furnish and install roof exhaust fans as manufactured by Greenheck or approved equal. Fans shall be upblast and shall be furnished with grease container, 12-inch high self-flashing aluminum roof curb, bird screen, factory-wired disconnect switch and cold weather belts. Provide magnetic starters with thermal overload protection for all 3-phase motors. Starter shall be furnished with H.O.A. switch and 120 Volt control transformer. Housing and Venturi inlet shall be constructed of spun aluminum. Fan shall be AMCA certified. Provide extended base with gasketed access door. Fan to meet NFPA 96 standards.

FAN	MODEL NUMBER	MOTOR CFM	MOTOR ESP	MOTOR HP	MOTOR VOLTAGE	FAN RPM	DRIVE	REMARKS
KEF-1	CUBE-HP-36	7500	1"	2	208 Volt/3ø	550	Belt	UL listed for grease removal Interlock with AHU-1 OA damper by the Temperature Control Contractor.

ROOF MAKE-UP FANS

Furnish and install centrifugal roof supply fans as manufactured by Greenheck or approved equal. Housing shall be aluminum or galvanized steel, with permanent slide racks for filters. Filters shall be permanent washable aluminum mesh type, sized to provide minimal pressure drop. Housing shall be constructed in a manner as to prevent rain or snow from entering unit. Fan shall be double width, double inlet, forward curved centrifugal type, dynamically balanced and vibration isolated. Fans shall be belt driven through adjustable sheaves.

Furnish fans with 12-inch high self-flashing aluminum roof curbs, factory wired disconnect switches, magnetic starters with thermal overload and 115 Volt control circuit,BACKDRAFT damper, 115 Volt. Fans shall be AMCA certified.

FAN NUMBER	MODEL NUMBER	MOTOR CFM	MOTOR ESP	MOTOR RPM	MOTOR HP	MOTOR VOLTAGE	REMARKS
RMF-1	RSF-18	5250	1"	742	3	208V-3-Phase	Interlock with motorized damper and KEF-1 by Temperature Control Contractor.

KITCHEN EXHAUST HOOD

The HVAC Contractor shall furnish and install a canopy type exhaust hood ceiling mounted type exposed on all four (4) sides as manufactured by Weav-Air or equal. The unit shall be 10'-0" long by 5'-0" wide by 24" high. Entire hood constructed of 18-gauge, Type 304 stainless steel #4 finish, all welded, all welds ground and polished to original finish. Hood to have a filter rack of 18-gauge stainless steel #4 finish, all welded, all welds ground and polished to original finish. Filter rack shall hold as many as required 20" x 20" x 2" UL listed stainless steel baffle type filters. Filters shall be installed at an angle not less than 45° from the horizontal. Filters shall be tight fitting and firmly held in place. Filters shall be easily accessible and removable for cleaning. Filter rack shall be equipped with a drip tray and shall be kept to minimum size needed to collect the grease and pitched to drain to an enclosed stainless steel container having a capacity not to exceed one (1) gallon. On the front side of the hood there shall be a make-up air plenum constructed of 18-gauge stainless steel Type 304 #3 finish, all welded, all welds ground and polished to original finish. On the interior of the plenum, full length, there shall be an air distribution plate to give equal air flow; also the interior of the plenum shall be insulated with one (1") inch rigid fiberglass foil faced. The bottom of the plenum facing the filters shall be bent at the correct angle to achieve the velocity contour required to pull in room air to mix with untempered air to avoid fogging in cold weather. On the top of the hood there shall be stainless steel hanger brackets welded to hood; these shall be drilled out to receive 1/2-inch diameter hanger rods. Hood to have three (3) UL listed vaporproof lights to be installed on hood and prewired to junction box on top of hood. All wiring shall conform to local Codes and NFPA 96 Codes.

The hood shall exhaust 7500 CFM and untempered make-up air shall be 5250 CFM.

The hood and all of its components shall comply to present up dated NFPA 96 Codes and to the latest Public Health Code.

A fire suppression system shall be provided by the hood manufacturer to afford surface and duct fire protection for ranges, ovens and hot tops located under the hood. The system shall be Range Guard, as manufactured by Automatic Sprinkler Corporation, Cleveland, Ohio, and shall utilize Karboloy II as fire suppression agent or Engineer approved equal. Chrome-plated brass appliance nozzles shall be utilized across the front of the range hood with spacing as determined by equipment placement and size. All pipe and fittings shall be concealed where possible, exposed piping shall be stainless steel and sized according to flow rate. An automatic detection system shall be utilized to provide automatic discharge when the temperature reaches 360°F at the detectors which shall be located and installed according to manufacturer's and fire Code requirements. Detection cable shall be protected by 1/2" EMT (stainless steel where exposed on hood surface) and a ball bearing corner pulley shall be used for each change of direction, and shall incorporate a manual pull station. Pull station interlock by HVAC Contractor. Complete protection system shall be UL listed and by one (1) manufacture.

A pneumatic switch containing normally open, normally closed and common leads shall be supplied with the hood system. Hood fire suppression system shall be interlocked with appliance power circuit breakers. These shunt trip breakers, furnished and installed by the Electrical Contractor, shall be de-energized upon activation of hood fire suppression system. Interlock to breakers by the HVAC Contractor. Interlock hood fire suppression system with building fire alarm panel. The interlock wiring shall be installed by the Electrical Contractor according to wiring diagram furnished by the HVAC Contractor. Installation shall conform to insurance requirements and local and State fire Codes in effect at the time of installation.

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GIRARD & CO. ENGINEERS
40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1944

CONSULTANTS:
MECHANICAL & ELECTRICAL:
STRUCTURAL:

WASHINGTON PRIMARY SCHOOL

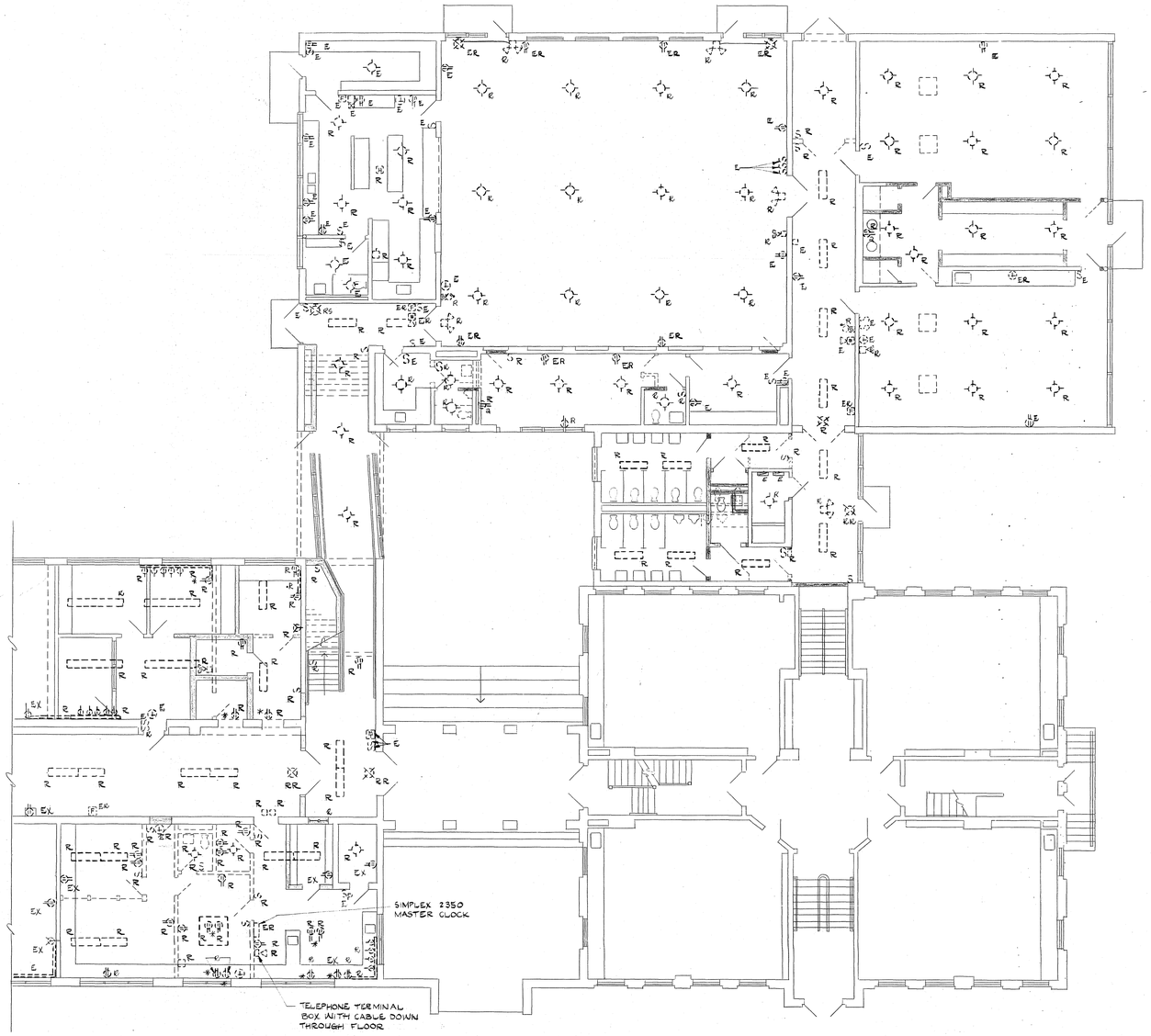
HVAC SCHEDULES

SCALE 1/16
DATE 2-1-89
DRAWN BY
REVISED

H-8

#87-281

JOSEPH MERRITT & CO.

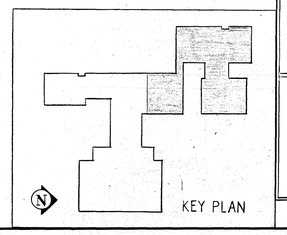


FIRST FLOOR WEST

SCALE: 1/8"=1'-0"

E	Existing to remain
R	Existing to be removed and turned over to Owner for disposal
ER	Existing to be relocated
RE	Relocated existing
RR	Remove fixture during construction, clean, relamp and replace after construction
*	Indicates outlets are wall or floor-mounted on a surface junction box with 3/4-inch conduit down through floor
RS	Remove existing light fixture and store during construction for reinstallation.
EX	Existing device (receptacle, speaker, switches, fire alarm and conductors shall be removed and turned over to Owner for disposal. Related conduits, backboxes and junctions boxes shall remain for future use.)
RW	Provide and install new device (receptacle, speaker, switches, fire alarm in existing backbox or junction box. Provide and install new conductors as indicated on Drawings.

- Existing pendant or surface-mounted fluorescent light fixture.
- Existing surface or pendant-mounted incandescent light fixture.
- Existing manual fire alarm pull station.
- Existing fire alarm with flashing light and horn.
- Existing heat detector.
- Existing duplex receptacle.
- Existing special purpose receptacle.
- Existing light switch.
- Existing emergency light with heads.
- Existing exit light.
- Existing plugmold.
- Existing door hold open.
- Existing disconnect switch.
- Existing wall-mounted fixture.
- Existing power or light panel.
- Existing junction box.
- Existing clock.
- Existing program bell.
- Existing wall-mount speaker.
- Existing remote emergency light.
- Existing telephone outlet.
- Existing keyed switch.



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CONSULTANTS:

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STRUCTURAL:
GIRARD & CO. ENGINEERS
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WASHINGTON PRIMARY SCHOOL

ELECTRICAL DEMOLITION

SCALE 1/8"=1'-0"

DRAWN BY J.J.

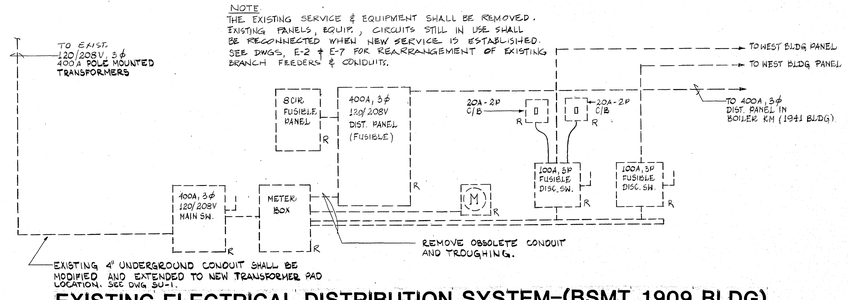
DATE 2-1-89

REVISED

DE-1

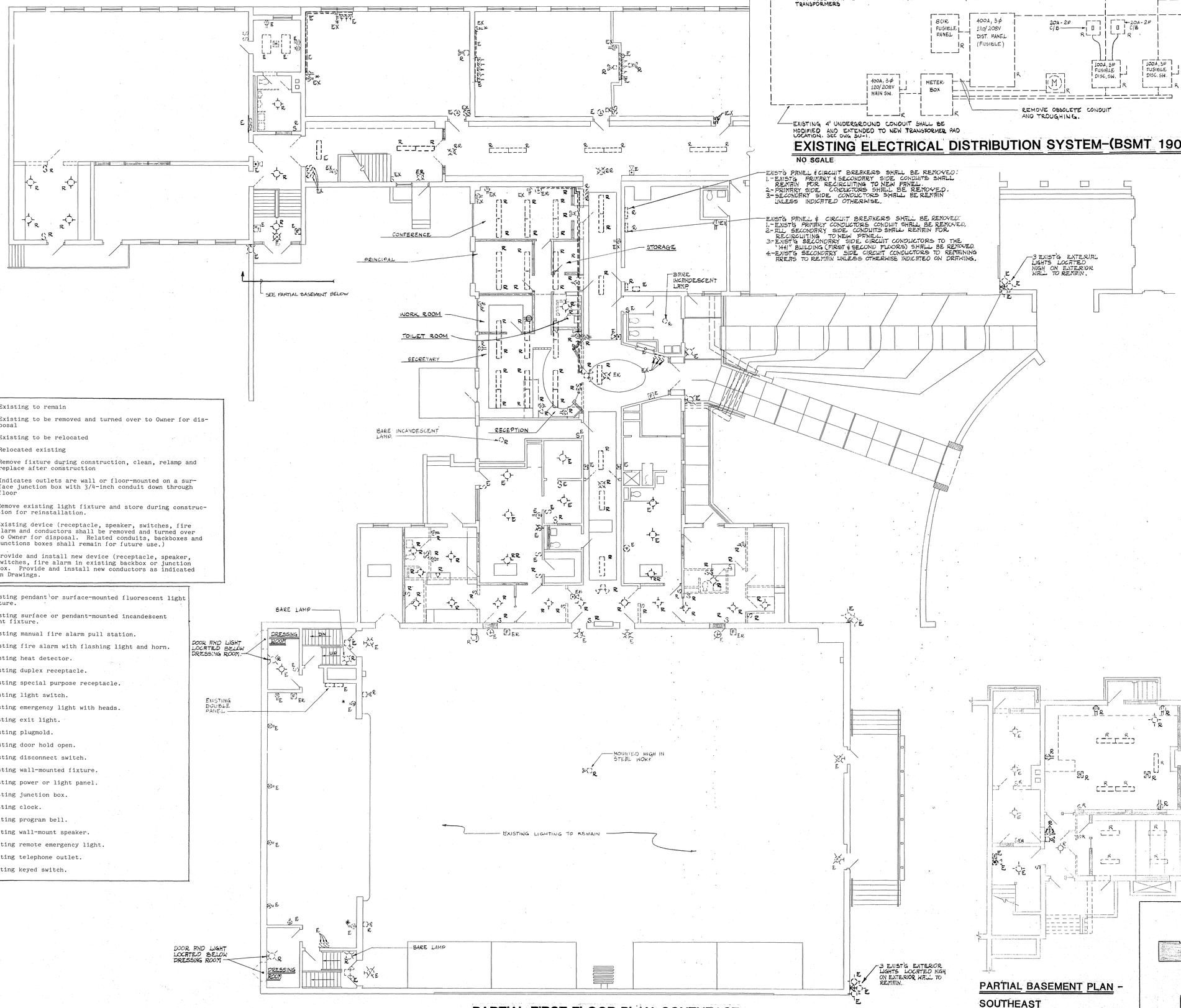
JOSEPH MERRITT & CO.

NOTE
THE EXISTING SERVICE & EQUIPMENT SHALL BE REMOVED. EXISTING PANELS, EQUIP., CIRCUITS STILL IN USE SHALL BE RECONNECTED WHEN NEW SERVICE IS ESTABLISHED. SEE DWGS. E-2 & E-7 FOR REARRANGEMENT OF EXISTING BRANCH FEEDERS & CONDUITS.



EXISTING ELECTRICAL DISTRIBUTION SYSTEM-(BSMT 1909 BLDG)

NO SCALE



PARTIAL FIRST FLOOR PLAN-SOUTHEAST

SCALE: 1/8" = 1'-0"

E	Existing to remain
R	Existing to be removed and turned over to Owner for disposal
ER	Existing to be relocated
RE	Relocated existing
RR	Remove fixture during construction, clean, relamp and replace after construction
*	Indicates outlets are wall or floor-mounted on a surface junction box with 3/4-inch conduit down through floor
RS	Remove existing light fixture and store during construction for reinstallation.
EX	Existing device (receptacle, speaker, switches, fire alarm and conductors shall be removed and turned over to Owner for disposal. Related conduits, backboxes and junctions boxes shall remain for future use.)
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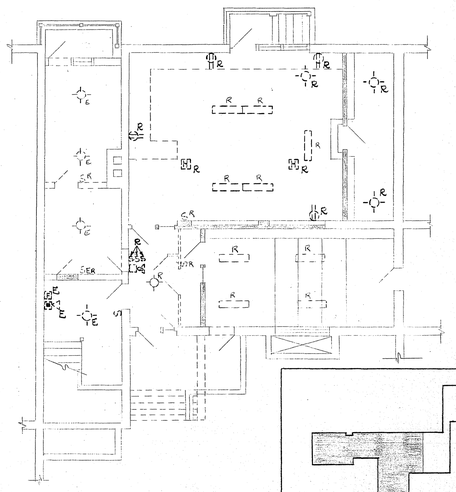
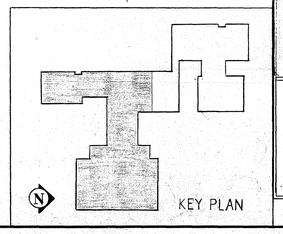
- Existing surface or pendant-mounted incandescent light fixture.
- Existing manual fire alarm pull station.
- Existing fire alarm with flashing light and horn.
- Existing heat detector.
- Existing duplex receptacle.
- Existing special purpose receptacle.
- Existing light switch.
- Existing emergency light with heads.
- Existing exit light.
- Existing plugmold.
- Existing door hold open.
- Existing disconnect switch.
- Existing wall-mounted fixture.
- Existing power or light panel.
- Existing junction box.
- Existing clock.
- Existing program bell.
- Existing wall-mount speaker.
- Existing remote emergency light.
- Existing telephone outlet.
- Existing keyed switch.



PARTIAL BASEMENT PLAN - SOUTHEAST

SCALE: 1/8" = 1'-0"



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WASHINGTON PRIMARY SCHOOL

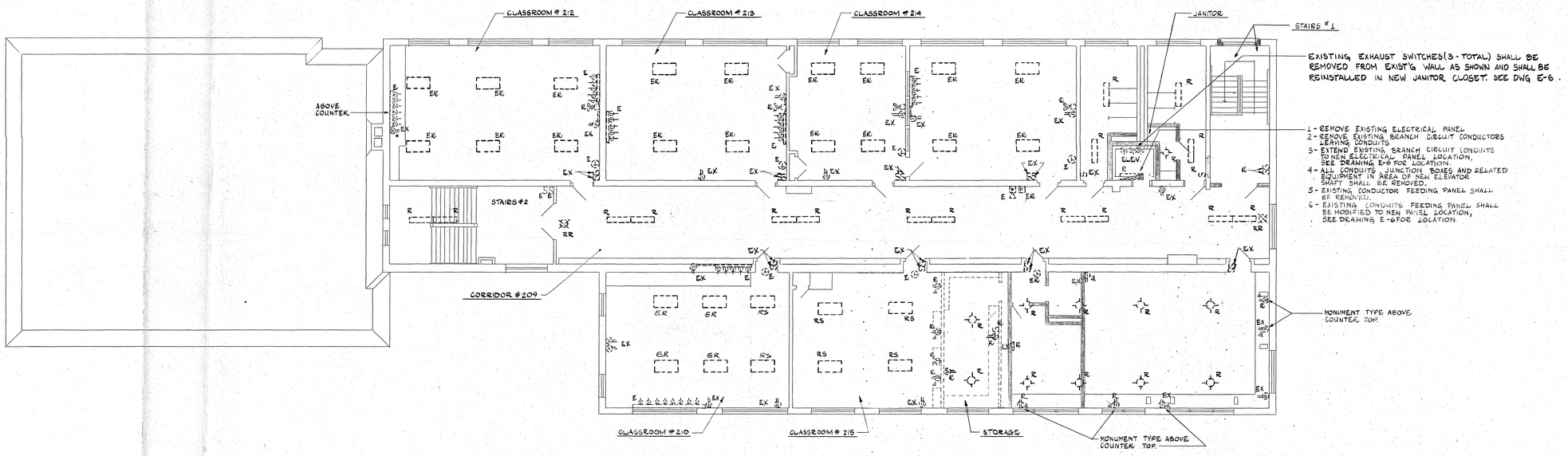
FIRST FLOOR PLAN-SOUTHEAST
ELECTRICAL DEMOLITION PLAN

DRAWN BY J.J.
REVISED
SCALE 1/8"=1'-0"
DATE 2-1-89

DE-2

PART "A" 1ST FL.

KENRIPH MERRITT & CO.



EXISTING EXHAUST SWITCHES(3-TOTAL) SHALL BE REMOVED FROM EXIST'G WALL AS SHOWN AND SHALL BE REINSTALLED IN NEW JANITOR CLOSET. SEE DWG E-6.

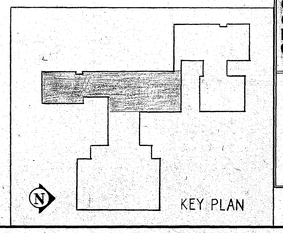
1 - REMOVE EXISTING ELECTRICAL PANEL
2 - REMOVE EXISTING BRANCH CIRCUIT CONDUCTORS LEAVING CONDUITS
3 - EXTEND EXISTING BRANCH CIRCUIT CONDUITS TO NEW ELECTRICAL PANEL LOCATION, SEE DRAWING E-6 FOR LOCATION.
4 - ALL CONDUITS, JUNCTION BOXES AND RELATED EQUIPMENT IN AREA OF NEW ELEVATOR SHAFT SHALL BE REMOVED.
5 - EXISTING CONDUCTOR FEEDING PANEL SHALL BE REMOVED.
6 - EXISTING CONDUITS FEEDING PANEL SHALL BE MODIFIED TO NEW PANEL LOCATION, SEE DRAWING E-6 FOR LOCATION.

SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"

E	Existing to remain
R	Existing to be removed and turned over to Owner for disposal OR DISPOSED AS REQUESTED BY OWNER
ER	Existing to be relocated
RE	Relocated existing
RR	Remove fixture during construction, clean, relamp and replace after construction
*	Indicates outlets are wall or floor-mounted on a surface junction box with 3/4-inch conduit down through floor
RS	Remove existing light fixture and store during construction for reinstallation.
EX	Existing device (receptacle, speaker, switches, fire alarm and conductors shall be removed and turned over to Owner for disposal. Related conduits, backboxes and junctions boxes shall remain for future use.)
RW	Provide and install new device (receptacle, speaker, switches, fire alarm in existing backbox or junction box. Provide and install new conductors as indicated on Drawings.

- Existing pendant or surface-mounted fluorescent light fixture.
- Existing surface or pendant-mounted incandescent light fixture.
- Existing manual fire alarm pull station.
- Existing fire alarm with flashing light and horn.
- Existing heat detector.
- Existing duplex receptacle.
- Existing special purpose receptacle.
- S Existing light switch.
- Existing emergency light with heads.
- Existing exit light.
- Existing plugmold.
- Existing door hold open.
- Existing disconnect switch.
- Existing wall-mounted fixture.
- Existing power or light panel.
- Existing junction box.
- Existing clock.
- Existing program bell.
- Existing wall-mount speaker.
- Existing remote emergency light.
- Existing telephone outlet.
- SK Existing keyed switch.



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WASHINGTON PRIMARY SCHOOL

SECOND FLOOR EXISTING ELECTRICAL PLAN

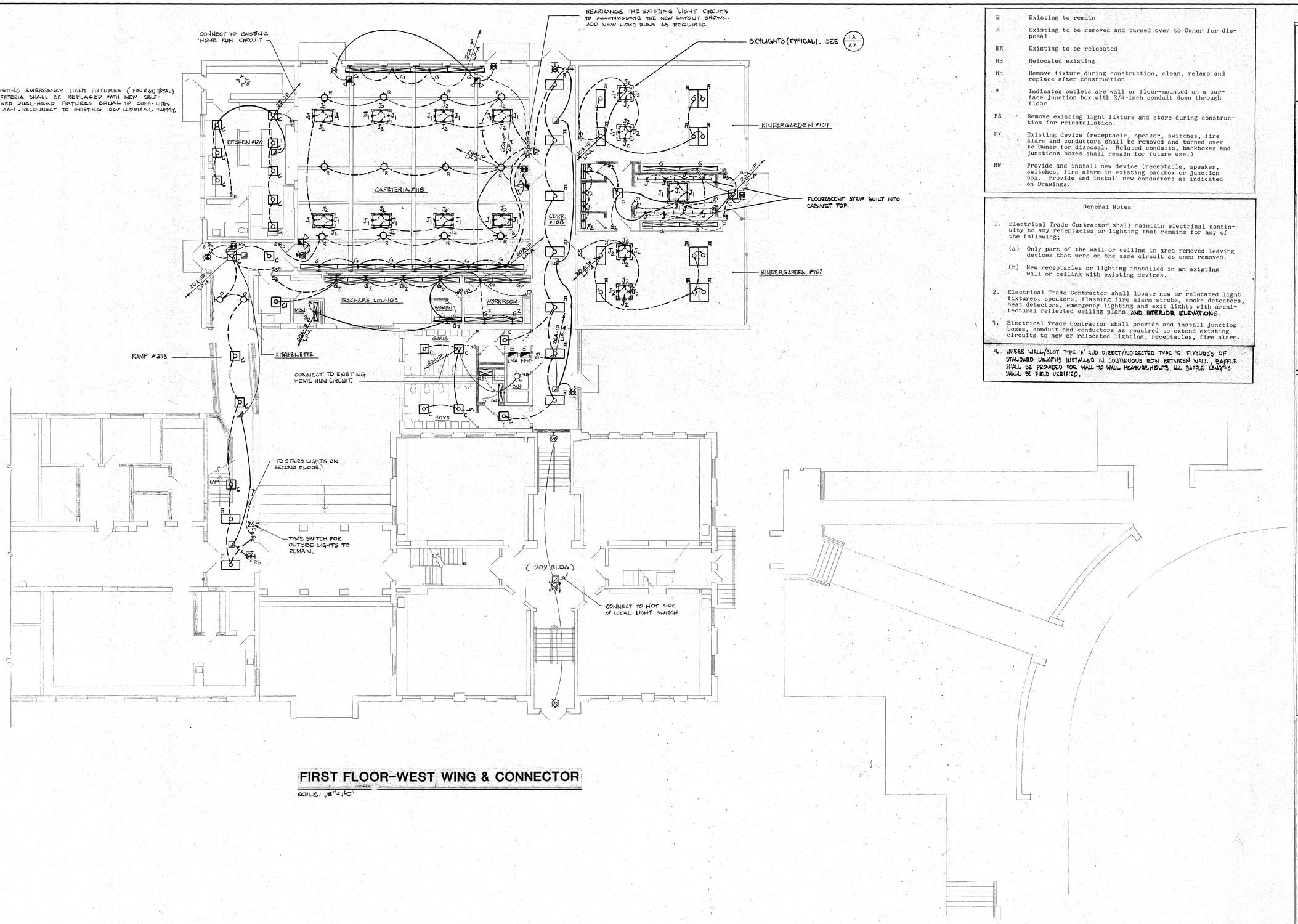
SCALE: 1/8" = 1'-0"
DRAWN BY J.J.
DATE 2-1-89
REVISED

DE-3

JOSEPH MERRITT & CO.

NOTE

1) THE EXISTING EMERGENCY LIGHT FIXTURES (FOUR (4) TOTAL) IN CAFETERIA SHALL BE REPLACED WITH NEW SELF-CONTAINED DUAL-HEAD FIXTURES EQUAL TO SURE-LITES MODEL AA-1. RECONNECT TO EXISTING 120V NORMAL SUPPLY.



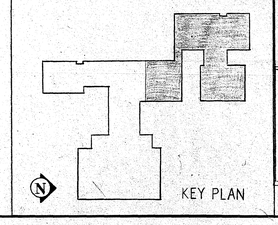
FIRST FLOOR-WEST WING & CONNECTOR

SCALE: 1/8"=1'-0"

E	Existing to remain
R	Existing to be removed and turned over to Owner for disposal
ER	Existing to be relocated
RE	Relocated existing
RR	Remove fixture during construction, clean, relamp and replace after construction
*	Indicates outlets are wall or floor-mounted on a surface junction box with 3/4-inch conduit down through floor
RS	Remove existing light fixture and store during construction for reinstallation.
EX	Existing device (receptacle, speaker, switches, fire alarm and conductors shall be removed and turned over to Owner for disposal. Related conduits, backboxes and junctions boxes shall remain for future use.)
RW	Provide and install new device (receptacle, speaker, switches, fire alarm in existing backbox or junction box. Provide and install new conductors as indicated on Drawings.

General Notes

1. Electrical Trade Contractor shall maintain electrical continuity to any receptacles or lighting that remains for any of the following;
   (a) Only part of the wall or ceiling in area removed leaving devices that were on the same circuit as ones removed.
   (b) New receptacles or lighting installed in an existing wall or ceiling with existing devices.
2. Electrical Trade Contractor shall locate new or relocated light fixtures, speakers, flashing fire alarm strobe, smoke detectors, heat detectors, emergency lighting and exit lights with architectural reflected ceiling plans AND INTERIOR ELEVATIONS.
3. Electrical Trade Contractor shall provide and install junction boxes, conduit and conductors as required to extend existing circuits to new or relocated lighting, receptacles, fire alarm.
4. WHERE WALL/SLOT TYPE 'F' AND DIRECT/INDIRECTED TYPE 'G' FIXTURES OF STANDARD LENGTHS INSTALLED IN CONTINUOUS ROW BETWEEN WALL, BAFFLE SHALL BE PROVIDED FOR WALL TO WALL MEASUREMENTS. ALL BAFFLE LENGTHS SHALL BE FIELD VERIFIED.



KEY PLAN

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STRUCTURAL: GIRARD & CO. ENGINEERS
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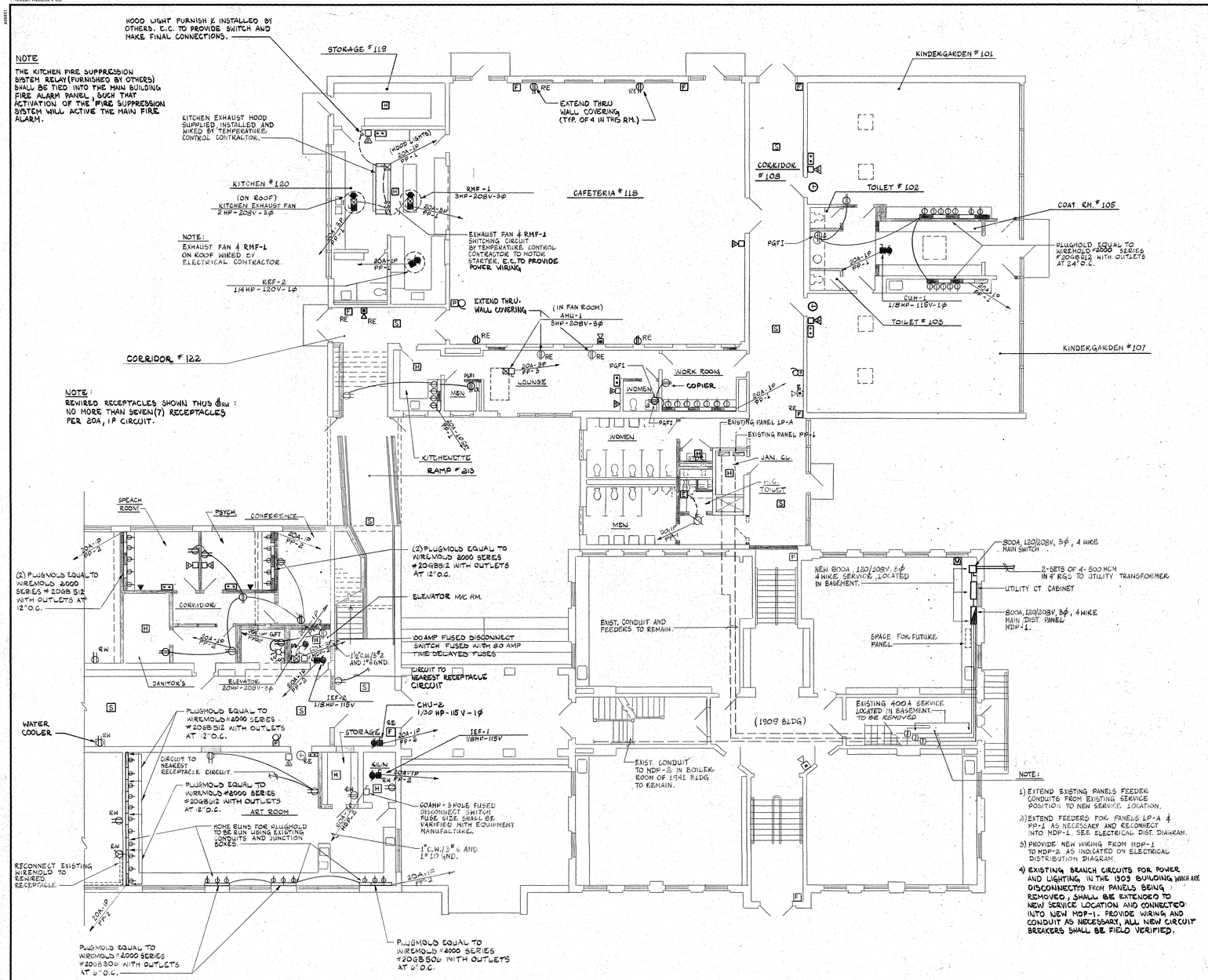
FIRST FLOOR-WEST WING & CONNECTOR LIGHTING PLAN
SCALE 1/8"=1'-0"
DRAWN BY J.J.
DATE 2-1-89
REVISED

E-1

WASHINGTON PRIMARY SCHOOL



NOTE:
SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUGMOLDS.

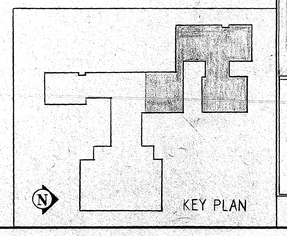
FIRST FLOOR -WEST WING & CONNECTOR

SCALE: 1/8"=1'-0"

E	Existing to remain
R	Existing to be removed and turned over to Owner for disposal
ER	Existing to be relocated
RE	Relocated existing
RR	Remove fixture during construction, clean, relamp and replace after construction
*	Indicates outlets are wall or floor-mounted on a surface junction box with 3/4-inch conduit down through floor
RS	Remove existing light fixture and store during construction for reinstallation.
EX	Existing device (receptacle, speaker, switches, fire alarm and conductors shall be removed and turned over to Owner for disposal. Related conduits, backboxes and junctions boxes shall remain for future use.)
RW	Provide and install new device (receptacle, speaker, switches, fire alarm in existing backbox or junction box. Provide and install new conductors as indicated on Drawings.

General Notes

1. Electrical Trade Contractor shall maintain electrical continuity to any receptacles or lighting that remains for any of the following;
   (a) Only part of the wall or ceiling in area removed leaving devices that were on the same circuit as ones removed.
   (b) New receptacles or lighting installed in an existing wall or ceiling with existing devices.
2. Electrical Trade Contractor shall locate new or relocated light fixtures, speakers, flashing fire alarm strobe, smoke detectors, heat detectors, emergency lighting and exit lights with architectural reflected ceiling plans **AND INTERIOR ELEVATIONS.**
3. Electrical Trade Contractor shall provide and install junction boxes, conduit and conductors as required to extend existing circuits to new or relocated lighting, receptacles, fire alarm.



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CONSULTANTS:
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STRUCTURAL: GIRARD & CO. ENGINEERS
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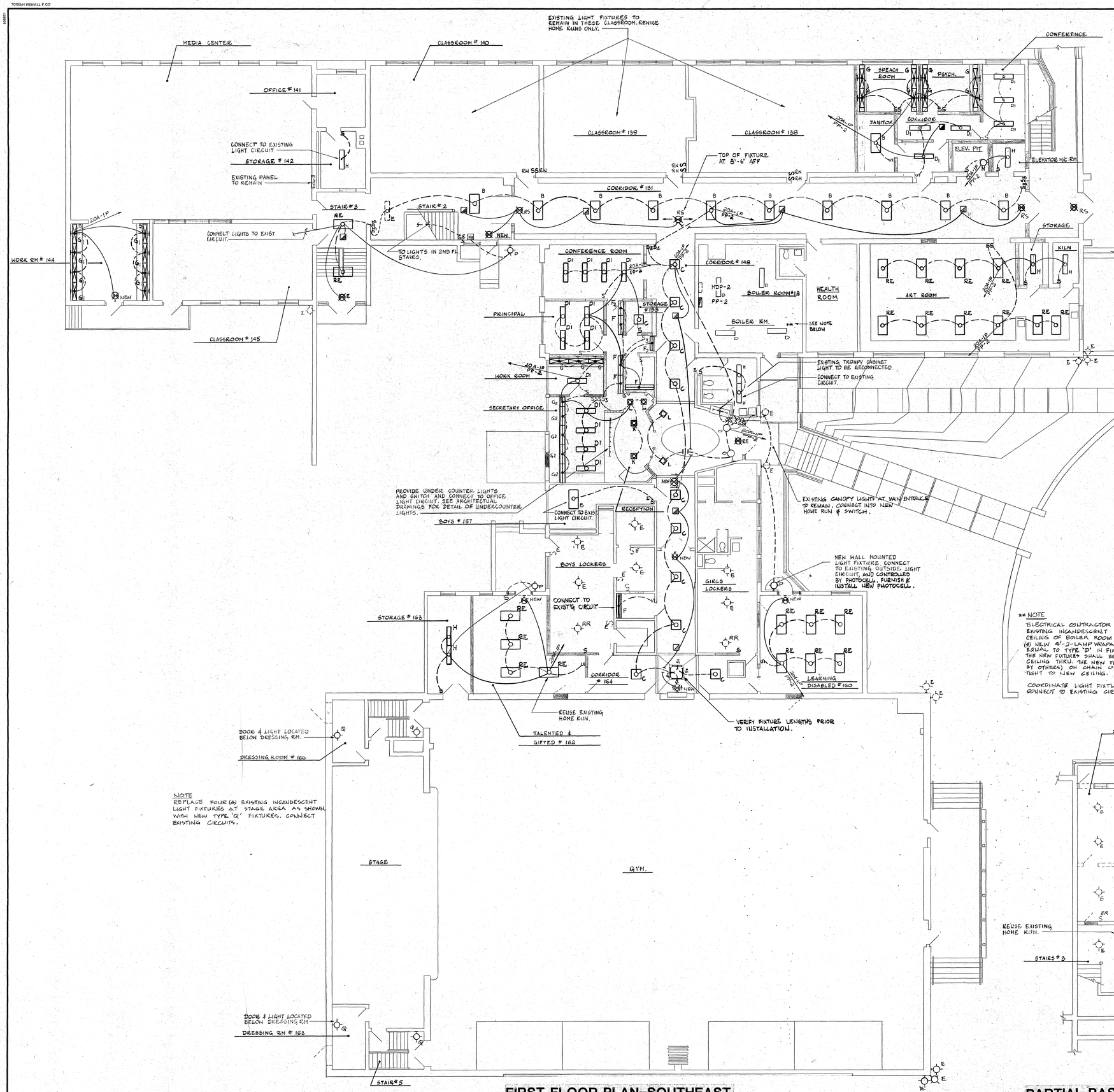
FIRST FLOOR-WEST WING & CONNECTOR POWER PLAN

SCALE 1/8"=1'-0" DRAWN BY J.J. DATE 2-1-89 REVISED

E-2

WASHINGTON PRIMARY SCHOOL



NOTE
REPLACE FOUR (4) EXISTING INCANDESCENT LIGHT FIXTURES AT STAGE AREA AS SHOWN, WITH NEW TYPE 'Q' FIXTURES. CONNECT EXISTING CIRCUITS.

FIRST FLOOR PLAN-SOUTHEAST

SCALE: 1/8" = 1'-0"

E	Existing to remain
R	Existing to be removed and turned over to Owner for disposal
ER	Existing to be relocated
RE	Relocated existing
RR	Remove fixture during construction, clean, relamp and replace after construction
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4. WHERE WALL/SLOT TYPE 'F' AND DIRECT/INDIRECTED TYPE 'G' FIXTURES OF STANDARD LENGTHS INSTALLED IN COUTINUOUS ROW BETWEEN WALL, BAFFLE SHALL BE PROVIDED FOR WALL TO WALL MEASUREMENTS. ALL BAFFLE LENGTHS SHALL BE FIELD VERIFIED.

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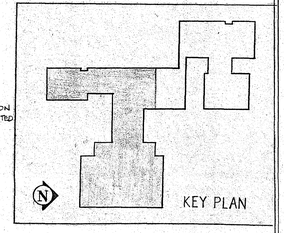
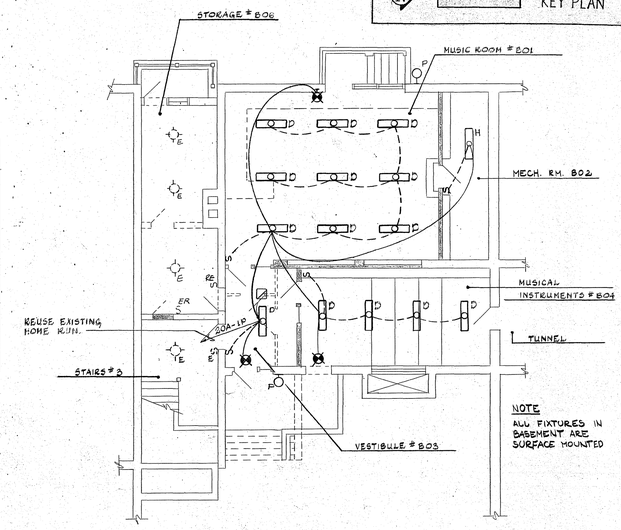
3. Electrical Trade Contractor shall provide and install junction boxes, conduit and conductors as required to extend existing circuits to new or relocated lighting, receptacles, fire alarm.

** NOTE
ELECTRICAL CONTRACTOR SHALL: REMOVE FOUR (4) EXISTING INCANDESCENT LIGHT FIXTURES FROM CEILING OF BOILER ROOM; FURNISH AND INSTALL FOUR (4) NEW 4'-2-LAMP WRAPAROUND FLUO. FIXTURES EQUAL TO TYPE 'D' IN FIXTURE SCHEDULE. THE NEW FIXTURES SHALL BE SUPPORTED FROM EXIST. CEILING THRU. THE NEW FIRE RATED INSULATION (INSULATION BY OTHERS) ON CHAIN OR ROD HANGERS, AND MOUNTED TIGHT TO NEW CEILING.

COORDINATE LIGHT FIXTURES WITH MECH. EQUIP. CONNECT TO EXISTING CIRCUIT & SWITCH.





NOTE
ALL FIXTURES IN BASEMENT ARE SURFACE MOUNTED

PARTIAL BASEMENT FLOOR PLAN-SOUTHEAST

SCALE: 1/8" = 1'-0"

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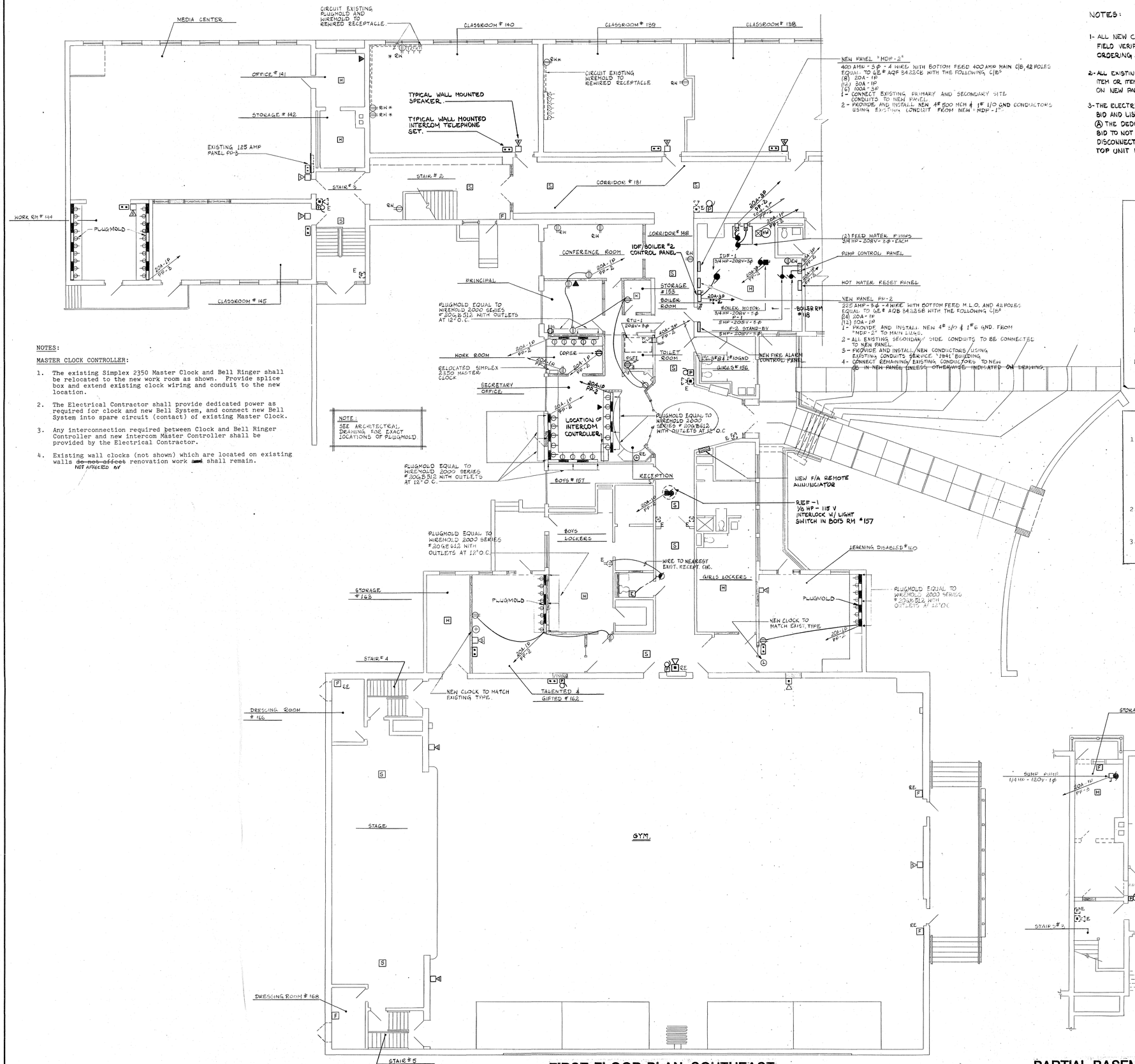
WASHINGTON PRIMARY SCHOOL

FIRST FLOOR PLAN-
SOUTHEAST LIGHTING PLAN

SCALE 1/8" = 1'-0" DRAWN BY J.J. REVISED

DATE 2-1-89

E-3



NOTE:
SEE ARCHITECTURAL DRAWING FOR EXACT LOCATIONS OF PLUGMOLD

NOTES:

MASTER CLOCK CONTROLLER:

1. The existing Simplex 2350 Master Clock and Bell Ringer shall be relocated to the new work room as shown. Provide splice box and extend existing clock wiring and conduit to the new location.
2. The Electrical Contractor shall provide dedicated power as required for clock and new Bell System, and connect new Bell System into spare circuit (contact) of existing Master Clock.
3. Any interconnection required between Clock and Bell Ringer Controller and new intercom Master Controller shall be provided by the Electrical Contractor.
4. Existing wall clocks (not shown) which are located on existing walls ~~do not affect~~ NOT AFFECTED BY renovation work ~~and~~ shall remain.

NOTES:

1- ALL NEW CIRCUITS BRAKERS REPLACING EXISTING SHALL BE FIELD VERIFIED BY ELECTRICAL TRADE CONTRACTOR BEFORE ORDERING.

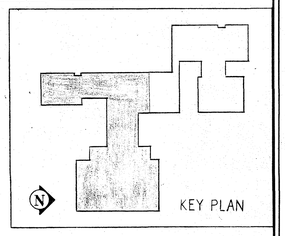
2- ALL EXISTING CIRCUITS IN EXISTING PANELS WITH NO INDICATION OF ITEM OR ITEMS BEING SERVED SHALL BE VERIFIED AND LISTED ON NEW PANEL INDEX.

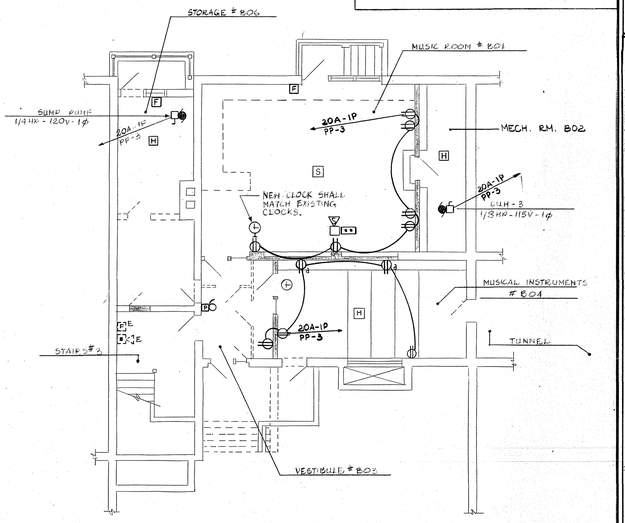
3- THE ELECTRICAL CONTRACTOR SHALL SUBMIT WITH THE BASE BID AND LIST SEPARATELY, THE FOLLOWING ALTERNATE BID:
(A) THE DEDUCT AMOUNT TO BE SUBTRACTED FROM THE BASE BID TO NOT FURNISH AND INSTALL POWER WIRING, CONDUIT, DISCONNECT SWITCH AND CIRCUIT BREAKER FOR ROOF TOP UNIT RTU-1.

E	Existing to remain
R	Existing to be removed and turned over to Owner for disposal
ER	Existing to be relocated
RE	Relocated existing
RR	Remove fixture during construction, clean, relamp and replace after construction
*	Indicates outlets are wall or floor-mounted on a surface junction box with 3/4-inch conduit down through floor
RS	Remove existing light fixture and store during construction for reinstallation.
EX	Existing device (receptacle, speaker, switches, fire alarm and conductors shall be removed and turned over to Owner for disposal. Related conduits, backboxes and junctions boxes shall remain for future use.)
RW	Provide and install new device (receptacle, speaker, switches, fire alarm in existing backbox or junction box. Provide and install new conductors as indicated on Drawings.

General Notes

1. Electrical Trade Contractor shall maintain electrical continuity to any receptacles or lighting that remains for any of the following;
   (a) Only part of the wall or ceiling in area removed leaving devices that were on the same circuit as ones removed.
   (b) New receptacles or lighting installed in an existing wall or ceiling with existing devices.
2. Electrical Trade Contractor shall locate new or relocated light fixtures, speakers, flashing fire alarm strobe, smoke detectors, heat detectors, emergency lighting and exit lights with architectural reflected ceiling plans AND INTERIOR ELEVATION
3. Electrical Trade Contractor shall provide and install junction boxes, conduit and conductors as required to extend existing circuits to new or relocated lighting, receptacles, fire alarm.





FIRST FLOOR PLAN-SOUTHEAST

SCALE: 1/8" = 1'-0"

PARTIAL BASEMENT FLOOR PLAN-SOUTHEAST

SCALE: 1/8" = 1'-0"

C. J. LAWLER ASSOCIATES
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STRUCTURAL: GIRARD & CO. ENGINEERS 40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1504

WASHINGTON PRIMARY SCHOOL

FIRST FLOOR PLAN-SOUTHEAST
POWER PLAN

SCALE 1/8" = 1'-0"
DRAWN BY J.J.
DATE 2-1-89
REVISED

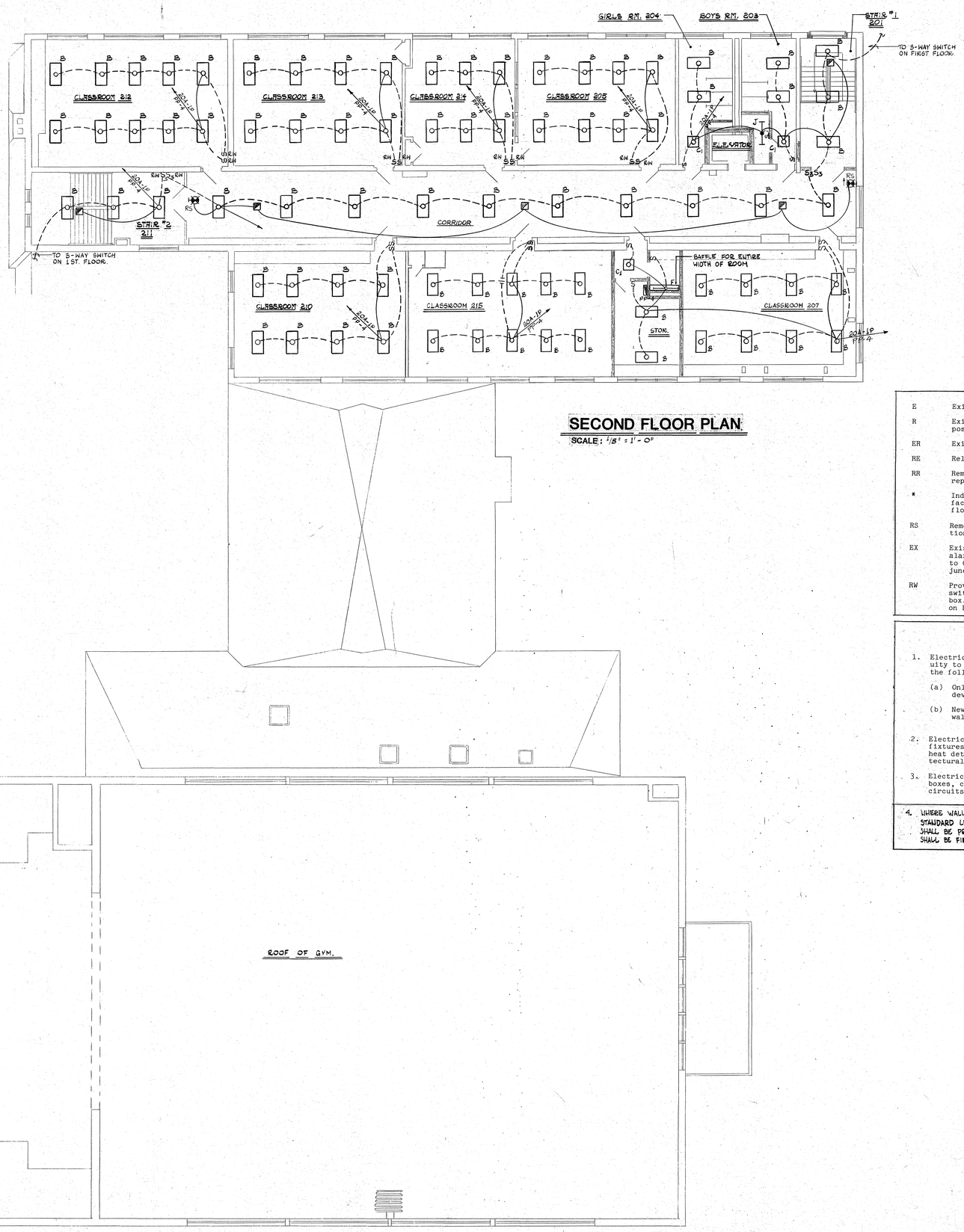
E-4

W.W.GREEN McPARTLIN & CO.

LIGHTING FIXTURE SCHEDULE

1. All fluorescent lamps shall be warm white, rapid-start, equal to Sylvania, General Electric or Westinghouse.
2. All lighting fixtures shall be 120 Volt, unless otherwise noted, UL approved with all necessary adjustable hangers, brackets, clamps, yokes, stems or pendants as required.
3. All fluorescent lamp ballasts shall be SLH "P" CBM/ETL UL approved.
4. All incandescent lamps shall be 130 Volt long-life.
5. Refer to Architectural Drawings for specific locations, details, arrangements, mounting heights, reflected ceiling plan, construction, etc. All colors and finishes shall be selected by the Architect.
6. Refer to Electrical Specifications for further details.

TYPE	MAKE AND DESCRIPTION	LAMP
A	Recessed fluorescent troffer, 2' x 4' with acrylic prismatic lens and energy saving ballast. Equal to Williams Series EP, Catalog #EPG-S224-RWKA110-120.	4-F34 RS
B	Surface-mounted 2' x 4' fluorescent fixture with plastic sides, acrylic prismatic lens and energy saving ballast. Equal to Williams Series 16, Catalog #1624-FWKA110-120.	4-F34 RS
C	Recessed fluorescent troffer, 2' x 2' with acrylic prismatic lens and energy saving ballast. Equal to Williams Series EP, Catalog #EPG-S262-RWKA110-120.	2-F34-U/6
C1	Surface-mounted 2' x 2' fluorescent fixture with plastic sides, acrylic prismatic lens and energy saving ballast. Equal to Williams Series 16, Catalog #1604-FXWA110-120.	2-F34-U/6
D	Surface-mounted 1' x 4' fluorescent fixture with wraparound prismatic lens, fixture shall be 3-1/6-inch deep with energy saving ballast. Equal to Miller INDIGO2, Catalog #DA-2101-04-120. PENDANT MT. AT BOILER RM #10	2-F34 RS
D1	Recessed fluorescent troffer, 1' x 4' with acrylic prismatic lens and energy saving ballast. Equal to Williams Series EP, Catalog #EPG-S122-RWKA110-120.	2-F34 RS
E	Not used	
F	Wall/slot fluorescent light system, four (4') feet with support rail, reflector shield, baffle and spline energy saving ballast. Equal to Litecontrol, Catalog #85N14RS-F/PBSS-G-PR-120.	1-F34 RS
F1	Same as "F" above, but two (2') foot length.	1-F20-TS
F2	Same as "F" above, but three (3') foot length.	1-F30-TS
G	Wall-mounted direct-indirect fluorescent fixture, 6" x 6-1/2-inches continuous row mounting, four (4') foot lamps with diffuser on bottom portion of fixture and energy saving ballast. Equal to Litecontrol MOD-66-II #W-ID-66N24RS-BW. VERIFY FIXTURE LENGTH IN FIELD	2-F34 RS
G1	Same as "G" above, but fitted with (PBSS) parabolic baffles.	2-F34 RS
G2	Same as "G" above, but with 2-4' lamp, AND DOWN LIGHT ONLY.	2-F34 RS
H	Surface-mounted fluorescent fixture, four (4') foot, 2-lamp wraparound injection molded lens with energy saving ballast. Equal to Williams Series 21, Catalog #2122M-IM.	2-F34 RS
I	Not used	
J	One-lamp fluorescent channel with snap-fit cover and energy saving ballast. Equal to Keystone #CH140-RT.	1-F34 RS
J1	Same as "J" above, but two (2') foot long.	1-F20-TS
J2	Same as "J" above, but three (3') foot long.	1-F30-TS
K	Recessed incandescent downlight with black milligroove baffle and clear Alzak reflector. Equal to Prescolite #1220-920.	1-75W-R30
L	Recessed incandescent downlight wallwasher with black milligroove baffle and specular Alzak reflector. Equal to Prescolite #1285-928.	1-75W-R30
M	Wall-mounted compact fluorescent (PL) fixture with snap-on opal diffuser. Equal to Prescolite #9424-13.	1-13W-PL
N	Wall-mounted incandescent vapor tight fixture with Lexan globe. Equal to Stonco #VWXL-5A.	1-100W-A19
O	Wall-mounted compact fluorescent fixture with translucent Lexan diffuser, vandal-resistant, regressed matte white holder. Equal to Lightolier #6619.	13W-PL
P	Wall-mounted incandescent fixture, durable spun aluminum cylinder downlight with cast aluminum fittings and one (1) piece grooved aluminum baffle. Suitable for wet locations. Equal to Prescolite #9344. PHOTOCELL CONTROLLED.	1-75W-R30
Q	Wall-mounted compact fluorescent (PL) fixture suitable for high abuse areas. Clear prismatic injection molded polycarbonate lens - wraparound design. Equal to Kenell 3700 Series #3714.	2-7W-PL
R	Surface (ceiling) mounted incandescent cylindrical downlight with black milligroove baffle and Alzak reflector. Equal to Prescolite #1102-910.	1-75W-R30
⊗ ⊗	Self-contained emergency exit sign, surface ceiling on end mounting with single or double face as shown. Equal to Dual-Lite Exquisite Series, white housing with red letters.	Included
◪	Self-contained emergency light fixture, 9" x 9" square, surface/semi-recessed mounted. Equal to Dual-Lite Spectron Series, Lite Series I #ESS-I-SRM.	Included
	Self-contained emergency light fixture with dual head, surface-mounted. Equal to Dual-Lite Spectron Series, Lumenette Series S1 #ML-2.	Included



SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"

E	Existing to remain
R	Existing to be removed and turned over to Owner for disposal
ER	Existing to be relocated
RE	Relocated existing
RR	Remove fixture during construction, clean, relamp and replace after construction
*	Indicates outlets are wall or floor-mounted on a surface junction box with 3/4-inch conduit down through floor
RS	Remove existing light fixture and store during construction for reinstallation.
EX	Existing device (receptacle, speaker, switches, fire alarm and conductors shall be removed and turned over to Owner for disposal. Related conduits, backboxes and junctions boxes shall remain for future use.)
RW	Provide and install new device (receptacle, speaker, switches, fire alarm in existing backbox or junction box. Provide and install new conductors as indicated on Drawings.

General Notes

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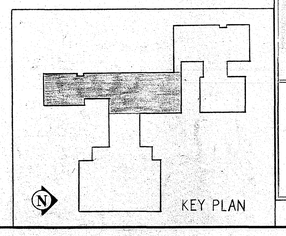
   (a) Only part of the wall or ceiling in area removed leaving devices that were on the same circuit as ones removed.
   (b) New receptacles or lighting installed in an existing wall or ceiling with existing devices.
2. Electrical Trade Contractor shall locate new or relocated light fixtures, speakers, flashing fire alarm strobe, smoke detectors, heat detectors, emergency lighting and exit lights with architectural reflected ceiling plans AND INTERIOR ELEVATIONS.
3. Electrical Trade Contractor shall provide and install junction boxes, conduit and conductors as required to extend existing circuits to new or relocated lighting, receptacles, fire alarm.
4. WHERE WALL/SLOT TYPE 'F' AND DIRECT/INDIRECTED TYPE 'G' FIXTURES OF STANDARD LENGTHS INSTALLED IN CONTINUOUS ROW BETWEEN WALL, BAFFLE SHALL BE PROVIDED FOR WALL TO WALL MEASUREMENTS. ALL BAFFLE LENGTHS SHALL BE FIELD VERIFIED.



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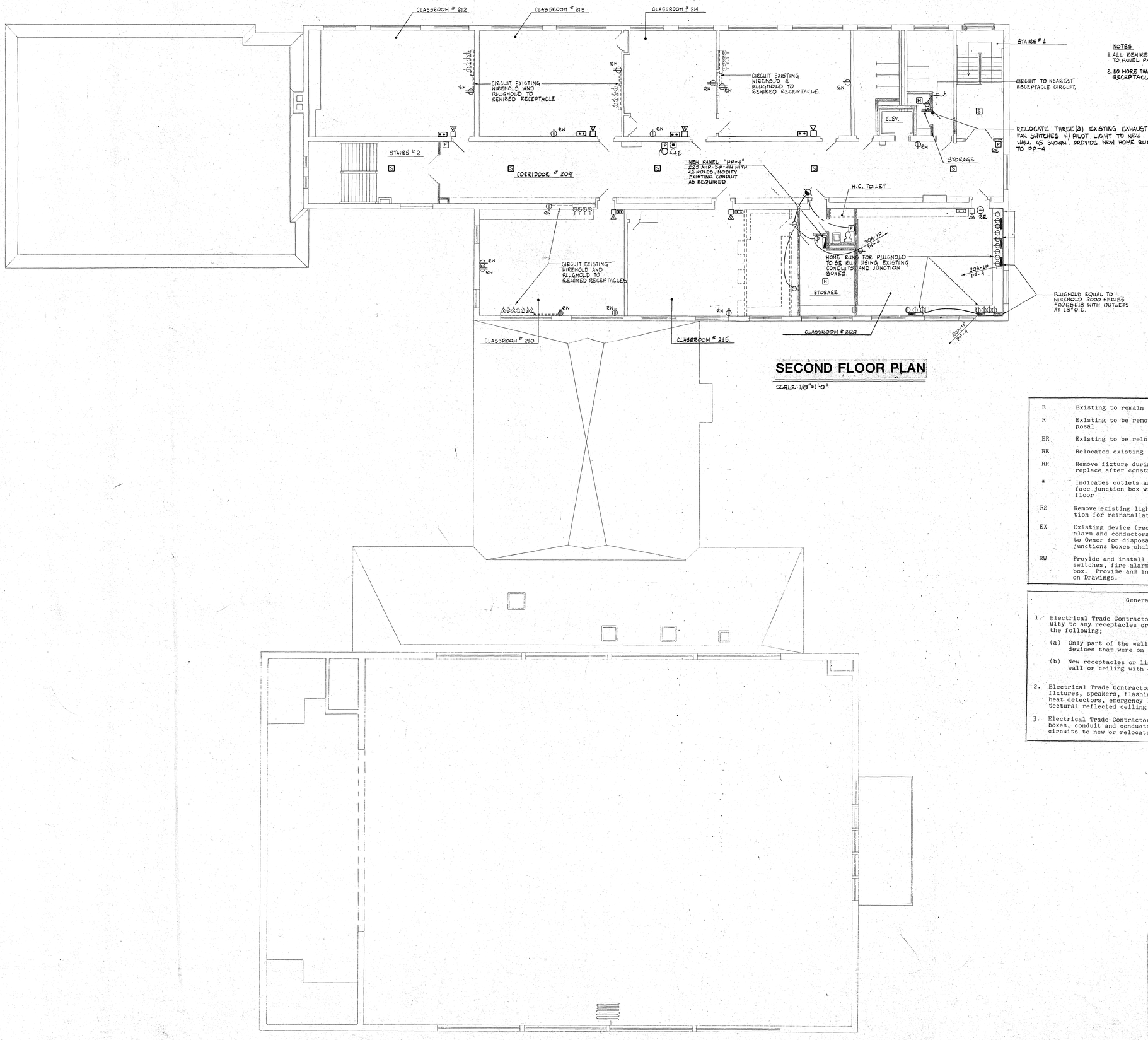
WASHINGTON PRIMARY SCHOOL

SECOND FLOOR PLAN LIGHTING

DRAWN BY J.J.
REVISED
SCALE: 1/8"=1'-0"
DATE 2-1-89

E-5

128806
JOSEPH MERRITT & CO.



NOTES

1. ALL REWIRED CIRCUITS THIS FLOOR TO PANEL PP-4.
2. NO MORE THAN SEVEN (7) DUPLEX RECEPTACLES PER 20A, 1P CIRCUIT.

SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"

E	Existing to remain
R	Existing to be removed and turned over to Owner for disposal
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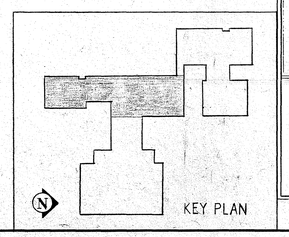

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WASHINGTON PRIMARY SCHOOL

SECOND FLOOR PLAN-POWER

SCALE 1/8" = 1'-0"
DRAWN BY J.J.
DATE 2-1-89
REVISED

E -6

JOSEPH MERRITT & CO.

ELECTRICAL LEGEND

- Recessed downlight fixture; subletter indicates fixture type.
- Surface-mounted light fixture; subletter indicates fixture type.
- Wall-mounted light fixture; subletter indicates fixture type.
- Typical ceiling-mounted, fluorescent light fixture; subletter indicates fixture type.
- Fluorescent wall-mounted fixture; subletter indicates fixture type.
- Ceiling or wall-mounted, self-contained exit sign with directional arrows as indicated on Plans.
- Ceiling or wall-mounted exit sign with directional arrows as indicated on Plans.
- Ceiling or wall-mounted, self-contained emergency light unit; fixture shall monitor major lighting circuit in area.
- S — Single-pole switch; mount at 48" AFF.
- S_2 — Double-pole switch; mount at 48" AFF.
- S_3 — 3-way switch; mount at 48" AFF.
- S_4 — 4-way switch; mount at 48" AFF.
- S_T — Single-pole switch with thermal overload protection; mount at 48" AFF.
- S_P — Single-pole switch and pilot light; mount at 48" AFF.
- SK — Keyed, switch.
- Sb_e — Boiler emergency switch; mount at 48" AFF.
- S_D — Single-pole dimmer switch; mount at 48" AFF.

(COORDINATE WITH ARCH. DWG.)

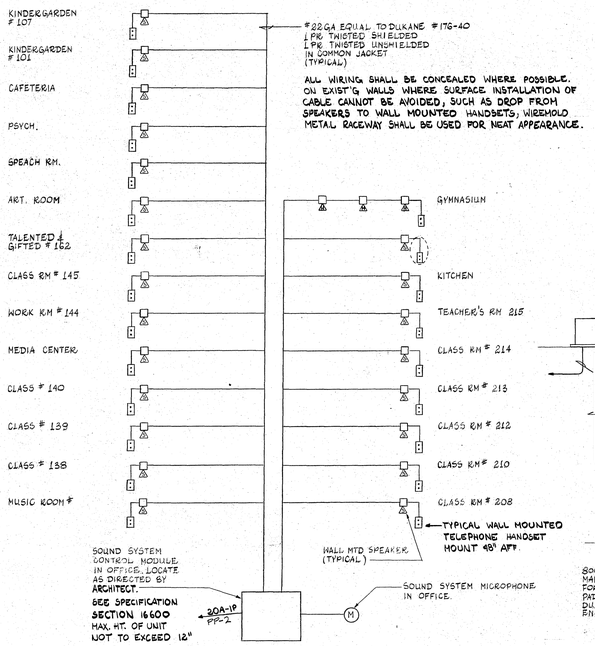
- a,b — Duplex receptacle; mount at 18" AFF. Subletter "a" indicates receptacle to be mounted 6" above counter top or 48" AFF. Subletter "b" indicates mounted in architectural millwork. Coordinate installation with Architect.
- WP — Weatherproof, duplex receptacle; mount at 24" AFG.
- Single receptacle; mount at 18" AFF.
- 30A — Special-purpose outlet. Amperage and voltage as indicated on Plans. Verify NEMA configuration with equipment manufacturer.
- Surface plugmold with outlets as indicated on Plans, mounted at 18" AFF, unless otherwise noted.
- TV — Television outlet; mount at 18" AFF.
- F — Manual fire alarm pull station; mount at 48" AFF.
- Fire alarm audio/visual unit; mount at 7'-6" AFF. (COORDINATE W/ ARCH. DWGS.)
- H — Automatic fire alarm heat detector (135 degrees F). Heat detectors mounted in boiler rooms shall be 200 degrees F.
- S — Automatic fire alarm smoke detector.
- H — Fire alarm magnetic door hold device.
- DS — Duct smoke fire alarm detector.
- F — Master fire alarm pull box; mount at 48" AFF.
- Remote fire alarm flashing strobe light.
- S — Ceiling-mounted, sound system speaker.
- Wall-mounted sound system speaker at 7'-6" AFF; subletter "RA" indicates radial horn speaker. (COORDINATE W/ ARCH. DWGS)
- VC — Sound system volume controller; mount at 48" AFF.
- F,W — Sound system microphone. Subletter "F" indicates floor-mounted. Subletter "W" indicates wall-mounted at 18" AFF.
- PA/sound system handset; mount at 48" AFF.
- Wall clock with hanger type outlet mounted at ±7'-6" AFF. (COORDINATE W/ ARCH. DWGS.)
- P — Program bell; mount at 7'-6" AFF.
- E — Emergency call bell mounted at 7'-6" AFF.
- Bell pushbutton mounted at 48" AFF.
- E — Emergency call switch, mounted at 48" AFF.
- Schematic power wiring. 3/4" conduit, 2 #12 and 1 #12 ground, unless otherwise noted.
- Schematic switching circuit.
- Schematic AC or DC control circuit.
- E-H — Schematic emergency AC or DC wiring. 3/4" conduit, 2 #10 and 1 #10 ground, unless otherwise noted.
- NL — Schematic night-light circuit. 3/4" conduit, 2 #10 and 1 #10 ground, unless otherwise noted.
- Home run. 3/4" conduit, 2 #12 and 1 #12 ground, unless otherwise noted. NOTE: Home run shall be from first electrical device backbox in circuit to electrical panel.
- Electrical ground.
- Electrical panel, 480/277 Volt.
- Electrical panel, 120/208 Volt.
- Special-purpose electrical panel or equipment.
- T — Electrical power transformer.
- Motor controller.
- Disconnect switch by Mechanical Contractor; wired by Electrical Contractor.
- Disconnect switch with appropriate HP ratings.
- Electric motor.
- J — Junction box, according to NEC requirements.
- C — Relay or contactor, complete with NEMA enclosure.
- W,P — Telephone outlet, ±18" with backbox and empty conduit, including fish wire, according to telephone roughing in and pull box schedule. Subletter "W" indicates wall-mounted at ±48" AFF. Subletter "P" indicates pay phone; mount at ±48" AFF, unless otherwise noted.

TEMPERATURE CONTROLS

- Aquastat
- Motorized damper
- Control valve
- Thermostat

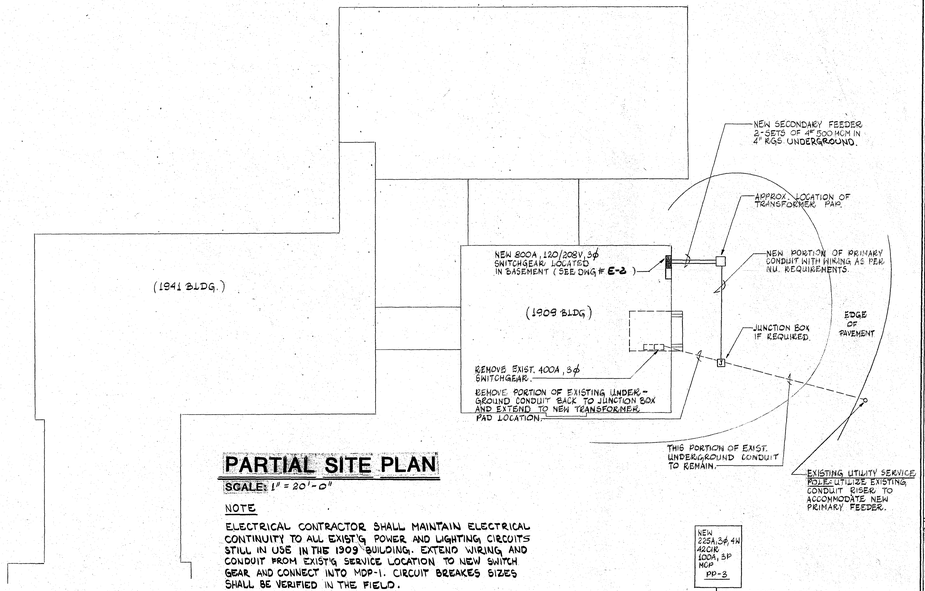
NEW PANEL SCHEDULE

PANEL	VOLTAGE	PHASE	SIZE	MAIN C/B	C/B ACTIVE	C/B SPACE	SPACE	
MDP-1	120/208	3 4-WIRE	800 A	MLO	1-400 A-3A REMAIDER TO BE FIELD VERIFIED.			
MDP-2	120/208	3 4-WIRE	400 A 42 CIR.	400-3P MCB	TO BE FIELD VERIFIED			
PP-2	120/208	3 4-WIRE	225 A 42 CIR.	MLO	TO BE VERIFIED FROM EXIST. PANEL			
PP-3	120/208	3 4-WIRE	225 A 42 CIR.	100 A-3P MCB	TO BE FIELD VERIFIED			



COMMUNICATION SYSTEM'S RISER

NTS

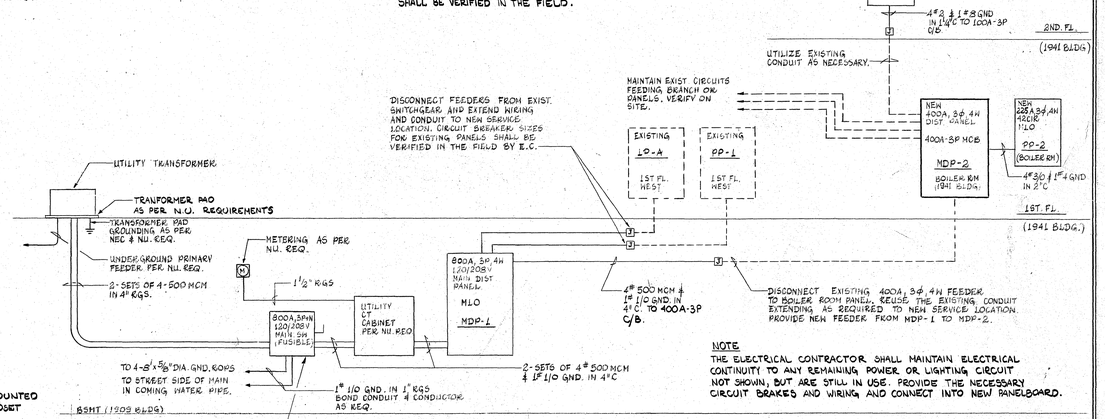


PARTIAL SITE PLAN

SCALE: 1" = 20'-0"

NOTE

ELECTRICAL CONTRACTOR SHALL MAINTAIN ELECTRICAL CONTINUITY TO ALL EXIST'G POWER AND LIGHTING CIRCUITS STILL IN USE IN THE 1909 BUILDING. EXTEND WIRING AND CONDUIT FROM EXIST'G SERVICE LOCATION TO NEW SWITCH GEAR AND CONNECT INTO MDP-1. CIRCUIT BREAKES SIZES SHALL BE VERIFIED IN THE FIELD.

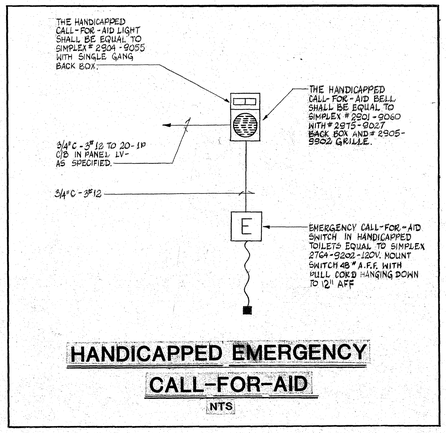


NOTE

THE ELECTRICAL CONTRACTOR SHALL MAINTAIN ELECTRICAL CONTINUITY TO ANY REMAINING POWER OR LIGHTING CIRCUIT NOT SHOWN, BUT ARE STILL IN USE. PROVIDE THE NECESSARY CIRCUIT BRAKES AND WIRING AND CONNECT INTO NEW PANELBOARD.

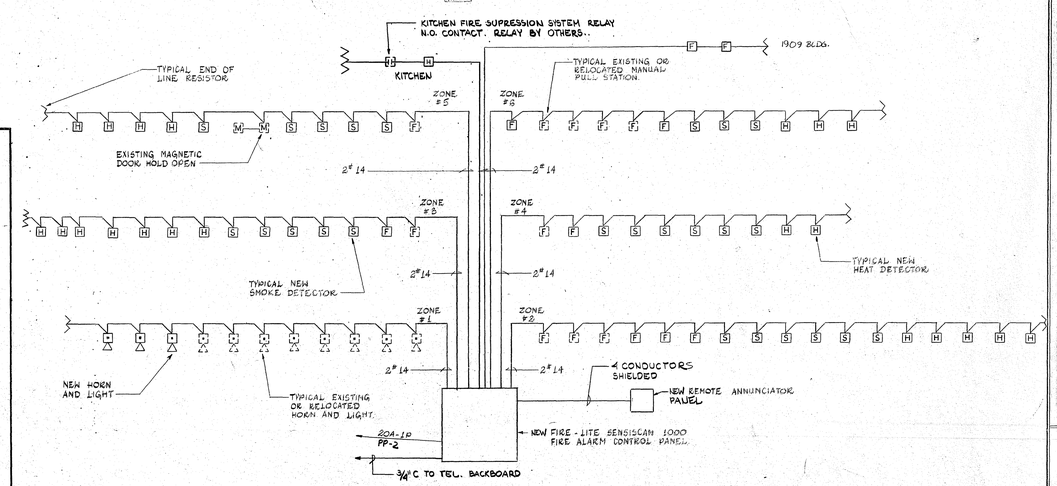
NEW ELECTRICAL DISTRIBUTION SYSTEM

NTS



HANDICAPPED EMERGENCY CALL-FOR-AID

NTS



FIRE ALARM RISER

NTS

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GIRARD & CO. ENGINEERS
40 WETHERSFIELD AVENUE HARTFORD, CT. 06114 (203) 524-1594

CONSULTANTS:
MECHANICAL & ELECTRICAL:
STRUCTURAL:

RISER DIAGRAMS, LEGEND, & DETAILS.

DRAWN BY J.J.
REVISED
SCALE N.T.S.
DATE 2-1-89

E-7

WASHINGTON PRIMARY SCHOOL

JOSEPH MERRITT & CO.