Halifax Elementary School

Addition and Renovations

Holmes Public Library

Relocation

Halifax, Massachusetts

Municipal & School Building Committee

Peter Cimorelli, Chair
John Mather, Vice Chair
Bob Daley, School Committee Member
William Brisette
John Campbell
George Sturtevant
Donna Butler, Secretary

Anthony Tappé & Associates, Inc. Architects and Planners

132 Lincoln Street
Boston, MA 02111
(617) 451-0200

Structural Engineers

Anderson Structural Engineering, Inc.
764 Plain Street
Marshfield, MA 02050
(617) 837-6949

Equipment Consultants

OSO Interiors
121 East Foster Street
Melrose, MA 02176
(617) 662-4944

Mechanical Engineers

Fitzemeyer & Tocci, Inc.
265 Franklin Street
Melrose, MA 02176
(617) 665-8460

Septic Design Engineers

Garcia Engineering, Inc.
609 County Street
New Bedford, MA 02740-6517
(508) 996-3388

Electrical Engineers

McCarron, Hufnagle & Bent, Inc.
132 Lincoln Street
Boston, MA 02111
(617) 426-4082

Landscape Architect

Mason & Frey
243 Trapelo Road
Belmont, MA 02178
(617) 489-3800

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#70

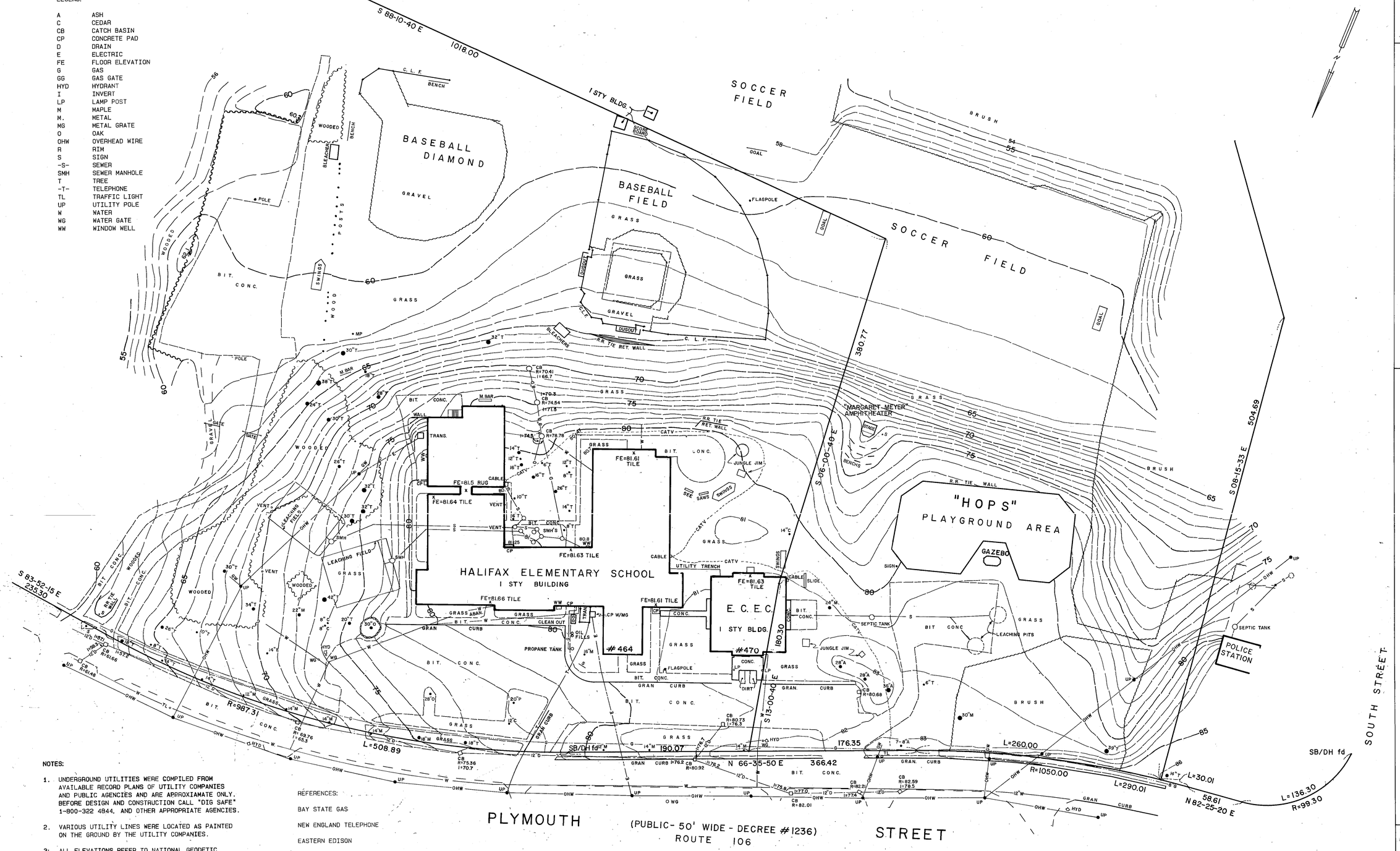
ADK - MINOR MATTERS AUDIT

Title Sheet
SEPT 19, 1996

T-1

LEGEND:

A	ASH
C	CEDAR
CB	CATCH BASIN
CP	CONCRETE PAD
D	DRAIN
E	ELECTRIC
FE	FLOOR ELEVATION
G	GAS
GG	GAS GATE
HYD	HYDRANT
I	INVERT
LP	LAMP POST
M	MAPLE
M.	METAL
MG	METAL GRATE
O	OAK
OHW	OVERHEAD WIRE
R	RIM
S	SIGN
-S-	SEWER
SMH	SEWER MANHOLE
T	TREE
-T-	TELEPHONE
TL	TRAFFIC LIGHT
UP	UTILITY POLE
W	WATER
WG	WATER GATE
WW	WINDOW WELL



NOTES:

1. UNDERGROUND UTILITIES WERE COMPILED FROM AVAILABLE RECORD PLANS OF UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIAMATE ONLY. BEFORE DESIGN AND CONSTRUCTION CALL "DIG SAFE" 1-800-322 4844, AND OTHER APPROPRIATE AGENCIES.
2. VARIOUS UTILITY LINES WERE LOCATED AS PAINTED ON THE GROUND BY THE UTILITY COMPANIES.
3. ALL ELEVATIONS REFER TO NATIONAL GEODETIC VERTICAL DATUM OF 1929.

BENCHMARKS USED:

BM 36+05 128' LT ELEV = 89.42
MDPW DISC SET IN CONC. STEP RIGHT OF THE FRONT ENTRANCE TO TOWN HALL.

BM 8 (DPW) ELEV = 55.352
A CHISELED SQUARE IN THE CENTER OF A 2 x 9.5 ft. GRANITE HEADER ON THE NORTHWEST SIDE OF ROUTE 106. THE BENCH IS ACROSS THE STREET FROM THE HALIFAX FIRE STATION AND KING'S SUPER MARKET.

REFERENCES:

BAY STATE GAS

NEW ENGLAND TELEPHONE

EASTERN EDISON

HARRON CABLE

TOWN OF HALIFAX
WATER
WATER SERVICE PLANS
HALIFAX ELEMENTARY SCHOOL
TOM LEWIS - HEAD CUSTODIAN

ANTHONY TAPPE & ASSOCIATES
TEST BORING LOCATION PLAN
1"=30', 2/28/91

ZONING DISTRICT: RESIDENCE

STAMP

Clifford P. Rohe 3/26/91

REVISIONS:
1. APRIL 26, 1991 CEK
2. MARCH 15, 1991 CEK

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

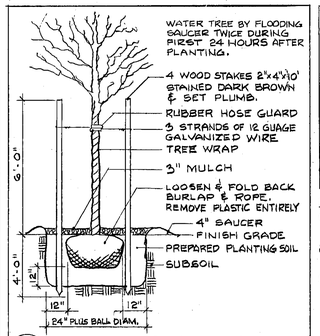
H & R SURVEY
PROFFESIONAL LAND SURVEYORS
33 WALNUT STREET, ARLINGTON, MASSACHUSETTS 02174
(617) 648-5533

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

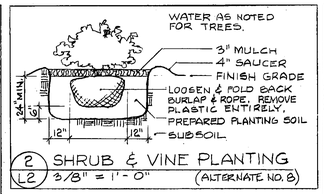
TITLE:
Existing Site Layout Plan

Date: SEPT 28 1992 Drawn By: C
Scale: 1"=40' Job No: 900

SHEET:



1 / L2 TREE PLANTING SECTION
3/8" = 1'-0" (ALTERNATE NO. 8)



2 / L2 SHRUB & VINE PLANTING
3/8" = 1'-0" (ALTERNATE NO. 8)

PLANTING NOTES: (ALTERNATE NO. 8)

1. PROVIDE 18" DEEP BED OF PREPARED PLANTING SOIL FOR DAYLILIES.
2. PROVIDE 12" DEEP BED OF PREPARED PLANTING SOIL FOR PACHYSANDRA.
3. SPREAD MULCH 3" DEEP OVER PLANTING BEDS, WHERE SHRUBS ARE GROUPED, MULCH ENTIRE AREA OF GROUP.

PLANT LIST (ALTERNATE NO. 8)

SYMBOL	QUANTITY	BOTANICAL NAME / COMMON NAME	SIZE	SPECIFICATION
TREES (1/L8)				
GB	9	GINKGO BILOBA 'MAYFIELD' / MALE, NARROW, COLUMNAR GINKGO	2½"-3" CAL	B & B MATCHED SPEC'NS
LS	10	LIQUIDAMBAR STYRACIFLUA 'MORAINE' / AMERICAN SWEETGUM VAR. MORAINE	2½"-3" CAL	" " "
GD	2	GYMNOCLADUS DIOICUS / KENTUCKY COFFEE TREE	2½"-3" CAL	" " "
M	4	MAGNOLIA STELLATA / STAR MAGNOLIA (WHITE)	3'-4' HT	" SPECIMEN
P	7	PINUS STROBUS / WHITE PINE	4'-5' HT	" "
QC	3	QUERCUS COCCINEA / SCARLET OAK	2½"-3" CAL	" MATCHED SPEC'NS
S	8	SOPHORA JAPONICA 'REGENT' / REGENT SCHOLAR TREE	2½"-3" CAL	" " "
SHRUBS (2/L8)				
A	10	COTONEASTER APICULATA / CRANBERRY COTONEASTER	15"-18" SPR'D	" SPECIMEN
R	6	RHODODENDRON ROSEUM ELEGANS	18"-24" SPR'D	" "
T	42	TAXUS CUSPIDATA NANA / DWARF JAPANESE YEW (SPREADING)	18"-24" SPR'D	" "
PERENNIALS		* SEE PLANTING NOTES:		
H	100	HEMEROCALIS HYPERION / LARGE FRAGRANT DAYLILY: YELLOW	1 GAL POTS - 4-5 FANS MIN.	
PC	1200	PACHYSANDRA TERMINALIS / SPURGE (6" ON CENTER)	ROOTED CUTTINGS	

STORM DRAINAGE SCHEDULE

STRUCTURE	RIM ELEVATION	INLET INVERT ELEVATION	OUTLET INVERT ELEV.	BOTTOM ELEV.
CATCH BASINS				
CB # 1	67.70	-	8" CP 64.20	61.20
CB # 2	77.00	-	8" PVC 73.50	70.50
CB # 3	80.00	-	8" CP 76.50	73.50
MANHOLE				
DMH "A"	77.30	6" PVC FROM SEATWALL UNDERDRAIN 74.00 (1/L3) 10" PVC FROM CB # 2 72.33 8" PVC FROM ROOF DRAIN 73.00 8" " " " " 73.00	10" C.I. 72.25	72.33 - 72.25
DMH "B"	77.30	10" CI FROM DMH "A" 70.30 6" PVC FROM EAST ROOF DRAIN 71.33 6" PVC FROM WEST ROOF DRAIN 71.24	10" PVC 70.10	70.30 - 7.10 -
LEACH BASINS				
LB # 1	69.00	8" CP FROM CB # 1 63.80 10" CP " ROOF DRAINS 63.80	-	54.47
LB # 2	66.67	10" PVC FROM ROOF DRAIN 62.40	-	53.23
LB # 3	78.50	10" CP FROM ROOF DRAINS 73.00 8" CP FROM CB # 3 73.00	-	63.67

ROOFWATER COLLECTOR SCHEDULE

	LOCATION	INVERT	COLLECTOR SIZE, MATERIAL & SLOPE OF DOWNSTREAM PIPE	APPROX. PIPE LENGTH	FINISH GRADE AT LOCATION
WING B	DS # 1	78.00	4" PVC @ .01 TO DS # 2	14'	81.00
	DS # 2 *	77.86	6" PVC @ .01 TO DS # 3	44'	81.40
	DS # 3	77.42	6" " " .02 " " # 4	21'	81.40
	DS # 4 *	77.00	8" " " .02 " " # 5	16'	81.40
	DS # 5	76.68	8" " " .02 " " # 6	30'	81.40
	DS # 6	76.08	8" " " .02 " " # 7	20'	81.60
	DS # 7	75.68	8" " " .02 " " # 8	40'	81.40
	DS # 8	74.88	8" PVC @ .02 TO JUNCTION NEAR DS # 9	26'	81.60
KINDERGARTEN	JUNCTION NEAR DS # 9 *	74.16	10" CPS .02 TO LB # 3	57'	81.00
	DS # 9	74.54	6" PVC @ .063 TO JUNCTION NEAR DS # 9	6'	81.40
	JUNCTION AT NW CORNER WING B *	77.52	6" " " .063 TO DS # 9	53'	81.40
	DS # 10 *	78.00	6" " " .02 TO JUNCTION AT NW CORNER WING B	24'	81.40
	DS # 11	78.06	6" " " .01 TO DS # 10	6'	81.60
	DS # 12 & # 13	SPLASHBLOCKS (2) AT FINISH GRADE			81.40
WING A	DS # 14	75.50	4" PVC @ .01 TO JUNCTION NEAR DS # 16	33'	78.50
	JUNCTION NEAR DS # 16 *	75.17	6" " " .01 TO DS # 17	26'	77.90
	DS # 15 & # 16	75.24	6" " " .01 TO JUNCTION NEAR DS # 16	7'	77.95
	DS # 17	74.92	6" " " .01 TO DS # 18	35'	77.70

	LOCATION	INVERT	COLLECTOR SIZE, MATERIAL & SLOPE OF DOWNSTREAM PIPE	APPROX. PIPE LENGTH	FINISH GRADE AT LOCATION
WING A	DS # 18 *	74.57	6" PVC @ .01 TO DS # 19	65'	77.50
	DS # 19 *	73.92	6" " " .03 " " # 20	16'	77.00
	DS # 20 *	73.44	6" " .05 " # 21	48'	76.00
	DS # 21	71.04	6" " .05 " # 22	51'	76.75
	DS # 22	68.49	8" " .05 " # 23 & # 24	19'	78.09
	DS # 23 & # 24	67.54	8" CP @ .05 " # 25	18'	70.09
	DS # 25	66.65	10" CP @ .062 TO LB # 1	46'	70.90
	JUNCTION NEAR DS # 26	72.17	8" PVC @ .062 " DS # 25	89'	77.50
	DS # 26	72.40	6" " " .075 " JUNCTION NEAR DS # 26	3'	77.50
WING C	DS # 27 *	74.99	6" " " .075 " DS # 26	27'	79.40
	DS # 28 *	76.60	4" " " .075 " DS # 27	29'	79.60
	JUNCTION NORTH OF DS # 29 *	73.97	6" " " .062 " JUNCTION NEAR DS # 30	29'	79.50
	DS # 29	74.48	6" " " .032 " JUNCTION NORTH OF DS # 29	16'	79.50
	DS # 30/31 *	75.29	6" " " .016 " DS # 29	58'	79.10
	DS # 32	75.50	4" " " .01 " DS # 30	21'	78.40
EAST END WING C-SOUTH SIDE	DS # 33	74.40	4" " " .01 " " # 34	5'	77.40
	DS # 34	74.35	4" " " .02 " JUNCTION SOUTH OF DS # 34	5'	77.40
	JUNCTION SOUTH OF DS # 34 *	74.25	4" " " .0243 " JUNCTION SOUTH OF DS # 36	56'	77.33

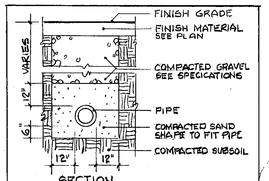
ROOFWATER COLLECTOR SCHEDULE CONTINUED

	LOCATION	INVERT	COLLECTOR SIZE, MATERIAL & SLOPE OF DOWNSTREAM PIPE	APPROX. PIPE LENGTH	FINISH GRADE AT LOCATION
EAST END OF WING C-SOUTH SIDE	DS # 35	74.40	4" PVC @ .10 TO DS # 36	5'	77.40
	DS # 36	73.90	4" " " .202 TO JUNCTION SOUTH OF DS # 36	5'	77.40
	JUNCTION SOUTH OF DS # 36	72.89	6" " " .0243 TO JUNCTION SOUTH OF DS # 38	34'	77.33
	DS # 37	74.40	4" " " .02 TO DS # 38	9'	77.40
	DS # 38	72.60	4" " " .27 TO JUNCTION SOUTH OF DS # 38	2'	77.34
	JUNCTION SOUTH OF DS # 38	72.06	6" " " .0243 TO JUNCTION SOUTH OF DS # 39	22'	77.33
	DS # 39	74.40	4" " " .319 TO JUNCTION SOUTH OF DS # 39	9'	77.60
	JUNCTION SOUTH OF DS # 39	71.53	6" " " .26 TO DMH "B"	1'	77.60
	JUNCTION SOUTH OF DS # 40	71.53	6" " " .015 " " "	19'	77.60
	DS # 40	74.40	4" " " .319 " JUNCTION SOUTH OF DS # 40	9'	77.60
	JUNCTION SOUTH OF DS # 41	72.06	6" " " .0243 " JUNCTION SOUTH OF DS # 40	22'	77.33
	DS # 41	72.60	4" " " .27 " JUNCTION SOUTH OF DS # 41	2'	77.39
	DS # 42	74.40	4" " " .20 " DS # 41	9'	77.40
	JUNCTION SOUTH OF DS # 43	72.89	6" " " .0243 " JUNCTION SOUTH OF DS # 41	34'	77.33
	DS # 43	73.90	4" " " .202 " JUNCTION SOUTH OF DS # 43	5'	77.40
	DS # 44	74.40	4" " " .01 " DS # 43	5'	77.40
	JUNCTION SOUTH OF DS # 45 *	74.25	4" " " .0243 " JUNCTION SOUTH OF DS # 43	56'	77.33
	DS # 45	74.35	4" " " .02 " JUNCTION SOUTH OF DS # 45	5'	77.40
	DS # 46	74.40	4" " " .01 " DS # 45	5'	77.40
COURTYARD	DS # 47	78.00	6" " " .01 " DS # 48	17'	81.10
	DS # 48 *	77.83	6" " " .02 " DS # 49	47'	80.90
	DS # 49	76.89	8" " " .02 " DS # 50	48'	80.55
	DS # 50	75.93	8" " " .04 " DS # 51	9'	80.15
	DS # 51 *	75.57	8" " " .04 " " # 52	32'	80.10
	DS # 52	74.29	8" " " .065 " DMH "A"	20'	77.60
	DS # 53	74.33	4" " " .01 " DS # 52	4'	77.60
	DS # 54	79.47	8" " " .078 " DMH "A"	6'	77.60
	DS # 55 *	75.99	8" " " .06 " DS # 54	32'	80.20
	DS # 56	75.87	8" " " .02 " " # 55	24'	80.20
	DS # 57	76.95	8" " " .02 " " # 56	54'	81.70
	JUNCTION EAST OF DS # 58 *	77.55	6" " " .02 " " # 57	30'	81.60
	DS # 58	77.67	6" " " .01 " JUNCTION EAST OF DS # 58	6'	81.60
	DS # 59 *	78.00	6" " " .01 " DS # 58	33'	81.00

* CLEANOUT REQUIRED AT THESE LOCATIONS - SEE (4/L2)

LEGEND

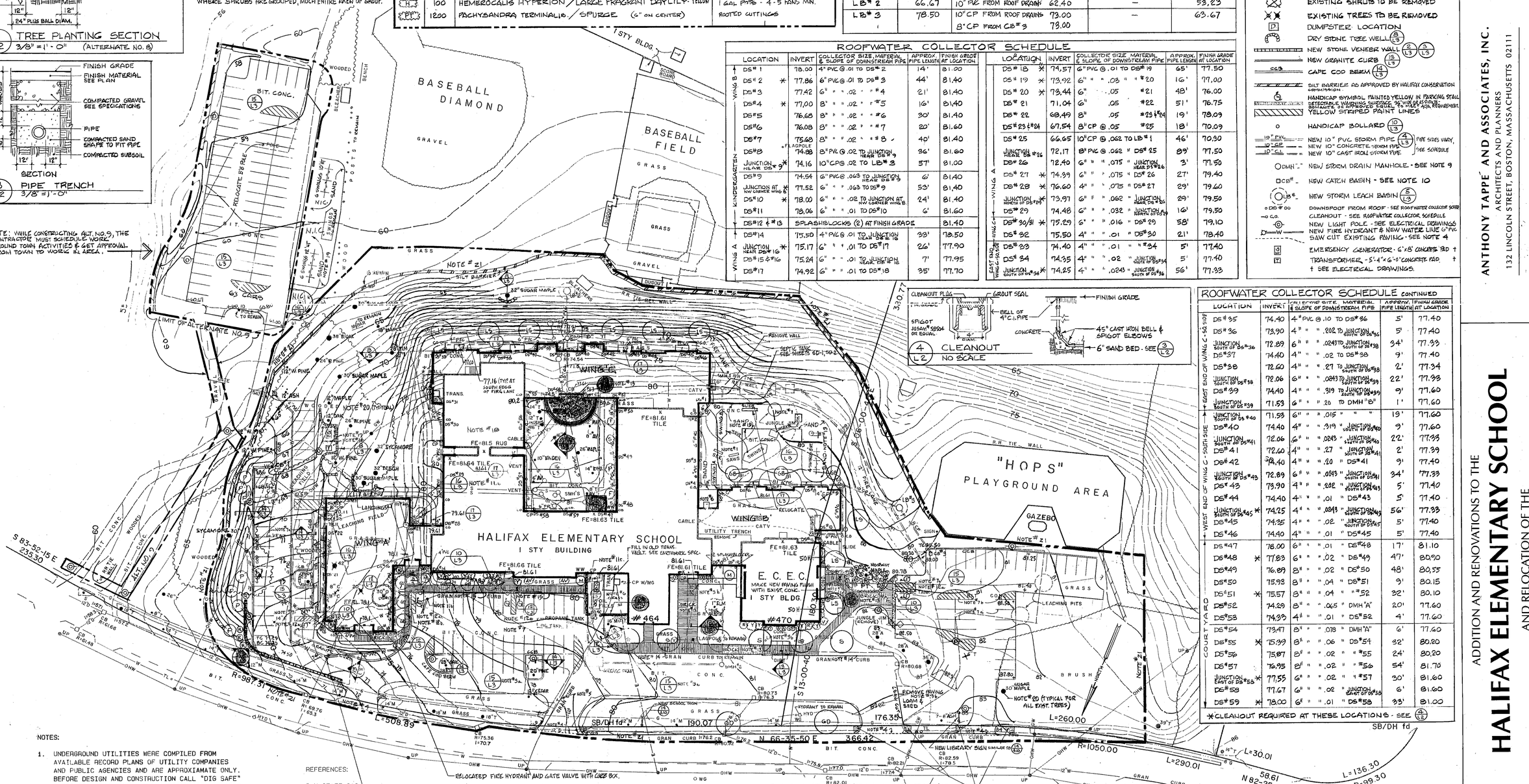
- LIMIT OF WORK
- EXISTING CONTOURS
- PROPOSED CONTOURS
- +0.00 PROPOSED SPOT ELEVATION
- EXISTING VEGETATION TO BE SAVED
- EXISTING TREE TO BE SAVED & PROTECTED
- (F) FORSYTHIA TO BE SAVED
- (S) SPIREA TO BE SAVED
- (P) PUSSY WILLOW SAVED
- (R) RHODODENDRON TO BE SAVED
- (Y) YEW TO BE SAVED
- (V) VIBURNUM TO BE SAVED
- (AV) ARBOR VITAE TO BE SAVED
- EXISTING SHRUB TO BE REMOVED
- EXISTING TREES TO BE REMOVED
- (D) DUMPSTER LOCATION
- DRY STONE TREE WELL (8/L3)
- NEW STONE VENEER WALL (6/L3, 10/L3)
- NEW GRANITE CURB (10/L9)
- CGB CAPE COD BERM (14/L3)
- SILT BARRIER AS APPROVED BY HALIFAX CONSERVATION COMMISSION.
- HANDICAP SYMBOL PAINTED YELLOW IN PARKING STALL. DETECTABLE WARNING SURFACE 36" WIDE GRASCRETE, BONAMITE, OR APPROVED EQUAL, TO MEET ADA REQUIREMENT. YELLOW STRIPED PAINT LINES
- HANDICAP BOLLARD (10/L3)
- 15" PVC, 10" CPE, 10" CSL — NEW 10" PVC STORM PIPE (4/L3); NEW 10" CONCRETE STORM PIPE; NEW 10" CAST IRON STORM PIPE. PIPE SIZES VARY, SEE SCHEDULE
- DMH "A" NEW STORM DRAIN MANHOLE - SEE NOTE 9
- CB # NEW CATCH BASIN - SEE NOTE 10
- LB # NEW STORM LEACH BASIN (5/L3)
- DS # 00 DOWNSPOUT FROM ROOF - SEE ROOFWATER COLLECTOR SCHED.
- C.O. CLEANOUT - SEE ROOFWATER COLLECTOR SCHEDULE
- NEW LIGHT POLE - SEE ELECTRICAL DRAWINGS
- NEW FIRE HYDRANT & NEW WATER LINE 6" PVC
- SAW CUT EXISTING PAVING - SEE NOTE 4
- EG EMERGENCY GENERATOR - 6'x8' CONCRETE PAD
- T TRANSFORMER - 5'-4"x6'-0" CONCRETE PAD †
- † SEE ELECTRICAL DRAWINGS.



SECTION

3 / L2 PIPE TRENCH
3/8" = 1'-0"

NOTE: WHILE CONSTRUCTING ALT. NO. 2, THE CONTRACTOR MUST SCHEDULE WORK AROUND TOWN ACTIVITIES & GET APPROVAL FROM TOWN TO WORK IN AREA.


BASEBALL DIAMOND
GRAVEL
BASEBALL FIELD
GRASS
1 STY BLDG
SCORE BOARD
DUGOUT
BENCH
WOODED
BIT. CONC.
RELOCATE 8" PIPE
3 PINE
2 SWINGS 8'H
SAND
P.I.C.
SANDBOX
SLIDE
JUNGLE GYM
BIT.
CONC.
WOODED
GRASS
NOTE # 21
SILT BARRIER
32" SUGAR MAPLE
R.R. TIE RET. WALL
CLEANOUT PLUG
GROUT SEAL
BELL OF 4" C.I. PIPE
FINISH GRADE
CONCRETE
45° CAST IRON BELL & SPIGOT ELBOWS
6" SAND BED - SEE (3/L2)
SPIGOT JOSAM# 58504 OR EQUAL
4 / L2 CLEANOUT
NO SCALE
LIMIT OF ALTERNATE NO. 2
ALT. NO. 2
S 63-52-15 E 230.30
R=987.31
L=508.89
CONC
BIT.
GRASS
NOTE # 4
NOTE # 21
NOTE # 20 (TYP.)
24" PINE
30" SUGAR MAPLE
12" W. PINE
18" ASH
6" MAPLE
12" OAK
32" SYCAMORE
32" BEECH
NOTE # 18
FE=81.5 RUG
FE=81.64 TILE
FE=81.61 TILE
FE=81.63 TILE
FE=81.66 TILE
FE=81.61
77.16 (TYP. AT SOUTH EDGE OF FIRE LANE
FIRE LANE
REMOVE WALL
SEPTIC TANK SEE SHEETS SD-1, SD-2
WING B
WING C
WING A
HALIFAX ELEMENTARY SCHOOL
1 STY BUILDING
FILL IN OLD TANK, VAULT, SEE BACKWORK SPEC.
E. C. E. C.
MAKE NEW PAVING FLUSH WITH EXIST. CONC.
1 STY BLDG.
#464
#470
"HOPS"
PLAYGROUND AREA
GAZEBO
NOTE # 21
SIGN
LEACHING FIELD
LEACHING PITS
LANDINGS
SLIDE
SWINGS
JUNGLE GYM (REMOVE)
LOG TO REMAIN
NOTE # 11a
NOTE # 11c
NOTE # 19
NOTE # 1
NOTE # 6
NOTE # 7
NOTE # 8
NOTE # 9
NOTE # 10
NOTE # 12
NOTE # 13
NOTE # 14
NOTE # 15
NOTE # 16
NOTE # 17
NOTE # 22
NOTE # 23
NOTE # 24
NOTE # 25
NOTE # 26
NOTE # 27
NOTE # 28
NOTE # 29
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NOTE # 57
NOTE # 58
NOTE # 59
CB R=80.73 I=77.0
CB R=80.68 I=77.0
CB R=82.59 I=79.5
CB R=82.01 I=77.74
CB R=82.2 I=77.8
CB R=75.36 I=70.7
CB R=80.76 I=69.3
CB R=81.48 I=77.5
CB R=81.66 I=77.5
CB R=81.63 I=77.5
CB R=81.61 I=77.5
CB R=81.66 I=77.5
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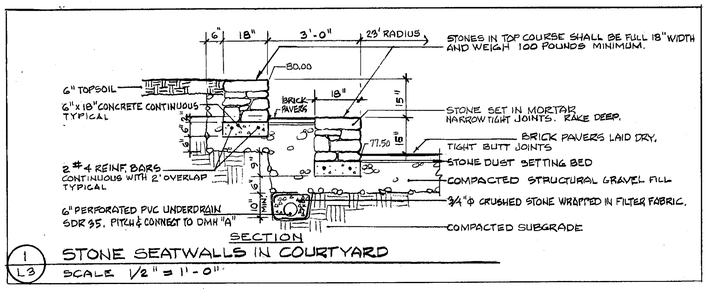
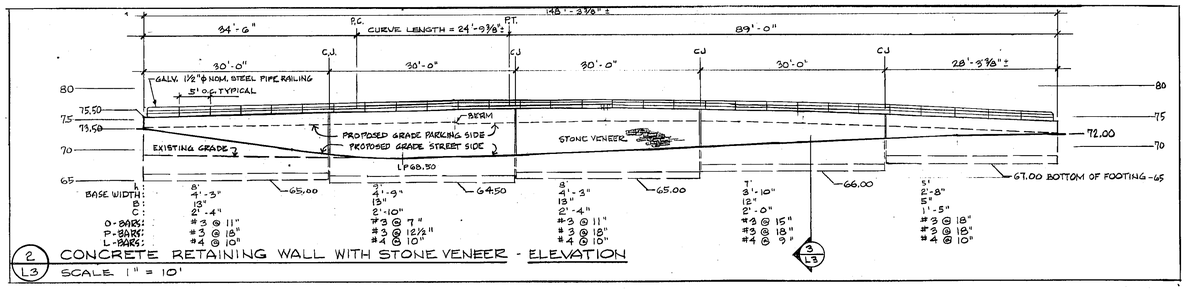
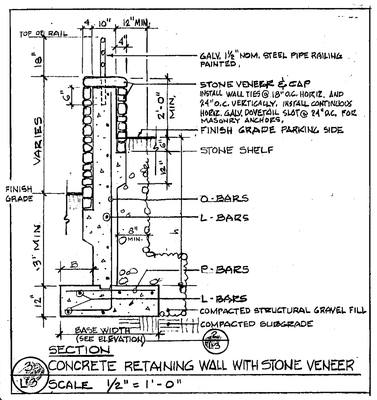
CB R=81.61



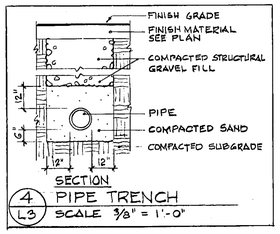
1 / L3 STONE SEATWALLS IN COURTYARD
SCALE 1/2" = 1'-0"



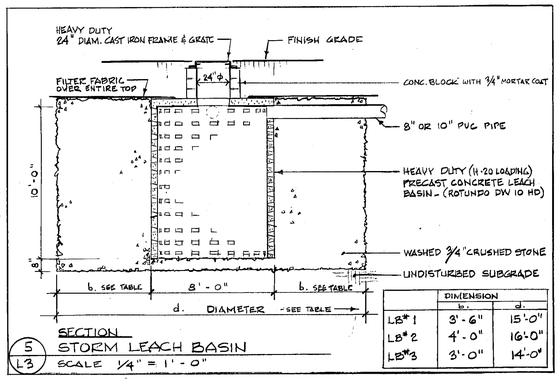
2 / L3 CONCRETE RETAINING WALL WITH STONE VENEER - ELEVATION
SCALE 1" = 10'



2 / L3 CONCRETE RETAINING WALL WITH STONE VENEER
SCALE 1/2" = 1'-0"

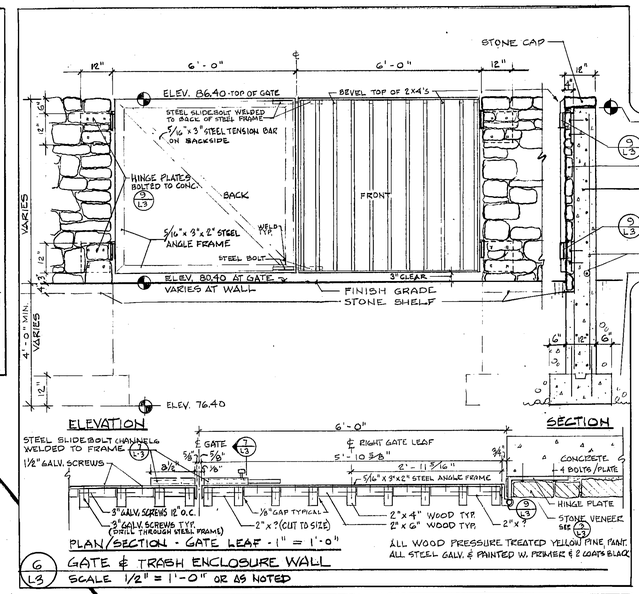


4 / L3 PIPE TRENCH
SCALE 3/8" = 1'-0"



	DIMENSION	
	b.	d.
LB*1	3'-6"	15'-0"
LB*2	4'-0"	16'-0"
LB*3	3'-0"	14'-0"

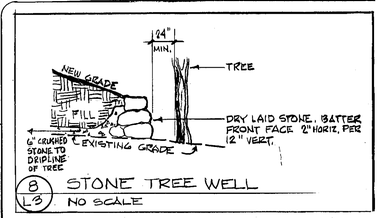
5 / L3 STORM LEACH BASIN
SCALE 1/4" = 1'-0"



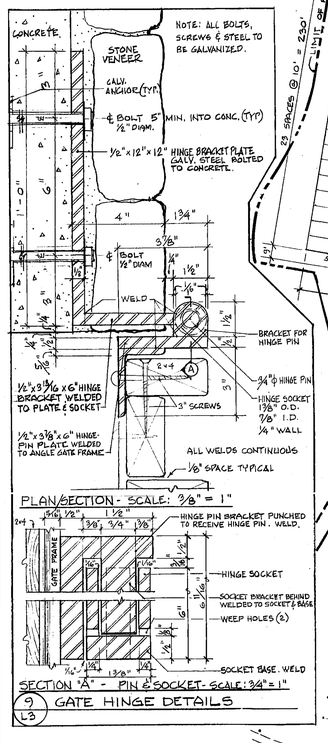
6 / L3 GATE & TRASH ENCLOSURE WALL
SCALE 1/2" = 1'-0" OR AS NOTED

NOTE: SUBMIT SHOP DRAWINGS FOR GATE & HARDWARE FOR APPROVAL.

9 / L3 HINGE
STONE VENEER
CONCRETE WALL
9 / L3 HINGE
#4 RE-BARS 12" ON CENTER BOTH WAYS
COMPACTED STRUCTURAL GRAVEL FILL
ELEV. 86.07 TOP OF CONCRETE

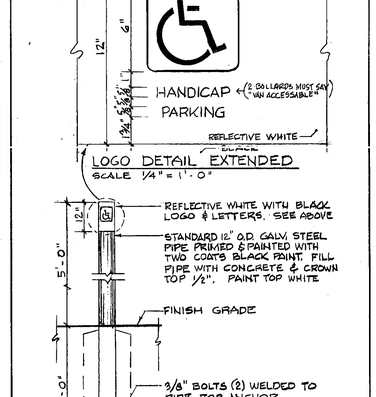


8 / L3 STONE TREE WELL
NO SCALE

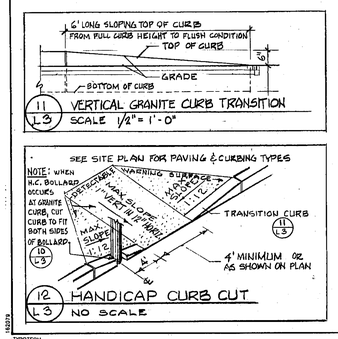


9 / L3 GATE HINGE DETAILS

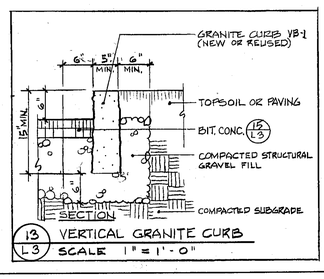
12 / L3 HANDICAP CURB CUT
NO SCALE



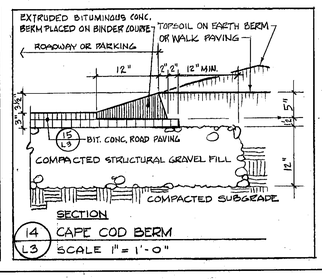
10 / L3 HANDICAP BOLLARD (7 REQUIRED, 2 OF WHICH MUST SAY "VAN ACCESSIBLE")
SCALE ½" = 1'-0"



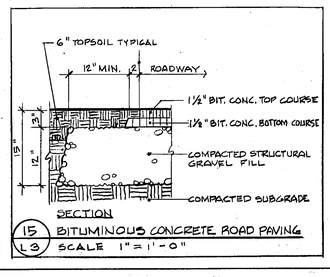
11 / L3 VERTICAL GRANITE CURB TRANSITION
SCALE ½" = 1'-0"



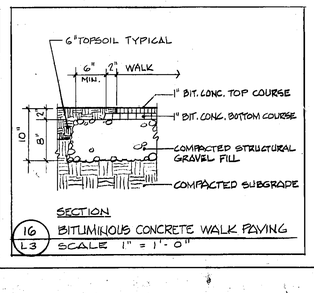
13 / L3 VERTICAL GRANITE CURB
SCALE 1" = 1'-0"



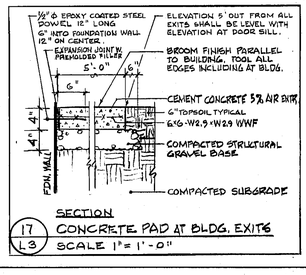
14 / L3 CAPE COD BERM
SCALE 1" = 1'-0"



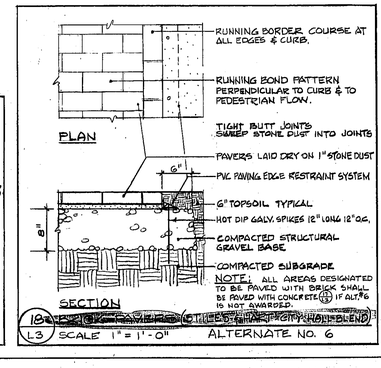
15 / L3 BITUMINOUS CONCRETE ROAD PAVING
SCALE 1" = 1'-0"



16 / L3 BITUMINOUS CONCRETE WALK PAVING
SCALE 1" = 1'-0"



17 / L3 CONCRETE PAD AT BLDG. EXITS
SCALE 1" = 1'-0"



18 / L3 PAVERS (6" THICK) IN RUNNING BOND PATTERN
SCALE 1" = 1'-0" ALTERNATE NO. 6

STAMP

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

MASON & FREY ■ LANDSCAPE ARCHITECTS
241 TRAPELO ROAD, BELMONT, MASSACHUSETTS 02178

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Site Layout Plan / Details

Date: SEPT 29, 1992 Drawn By: JF
Scale: 1" = 40' Job No: 9008 / 9104

SHEET:
L-3

TYPOTECH

SOIL EXPLORATION CORPORATION
Geotechnical Drilling and Groundwater Monitor Wells

148 Pioneer Dr.
Leominster, MA 01453
(508) 840-0061

5 Merrimon Place
Milford, MA 01757
(603) 672-5151

Client: C. Anthony Tappe & Associates — Date: 05/13/91 — Job No. 91-0156
Location: 484 Plymouth Street, Halifax, Massachusetts

BORING B-1 — General Dim. — Date Started: 05/13/91 — Date Completed: 05/13/91 — Drilling Foreman: S.S. — Eng./Geol. Observer: — Ground Elev.: —

Sample Data: No. | Depth (ft.) | Blows per 6" Increment | Rec. (Inches) | Pen. (Inches) | Blows per Foot (N)

Soil and/or bedrock strata descriptions: Visual Identification of Soil and/or Rock Strata

No.	Depth (ft.)	Blows per 6" Increment	Rec. (Inches)	Pen. (Inches)	Blows per Foot (N)	Visual Identification of Soil and/or Rock Strata
1	0'-0"– 1'6"	3-7-10				Dk.Brown, Fine to coarse SAND, some gravel, trace silt, topsoil
					17"	
2	3'-0"– 4'6"	8-10-10				
3	10'-0"– 11'6"	11-11-18				Dry, medium dense to loose, FINE TO MEDIUM SAND AND SILT, trace medium gravel.
4	15'-0"– 16'6"	8-18-11				
5	20'-0"– 21'6"	7-6-8				
6	25'-0"– 26'6"	8-6-6				
					26'6"	End of boring at 26'6" No water encountered upon completion.

Type of Boring: — Casing Size: — Hollow Stem Auger Size: 4½"

Proportion Percentages: Trace 1 to 10% · Some 10 to 20% · And 40 to 50%

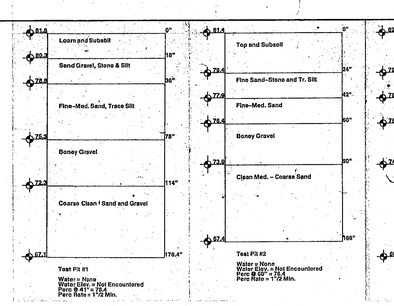
Granular Soils (Blows per ft.): 0 to 4 Very Loose · 5 to 10 Loose · 11 to 30 Medium Dense · 31 to 50 Dense · Over 50 Very Dense

Cohesive Soils (Blows per ft.): 0 to 2 Very Soft · 3 to 4 Soft · 5 to 8 Medium Stiff · 9 to 15 Stiff · 16 to 30 Very Stiff · Over 30 Hard

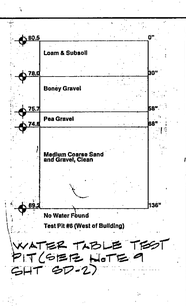
Standard penetration test (SPT) = HSA hammer falling 30" (Blows are per 6" taken with an 18" long × 2" O.D. × 1.375" I.D. split spoon sampler unless otherwise noted.)

The terms and percentages used to describe soil and or rock are based on visual identification of the recovered samples. It follows unless indicated may be affected by zone of over and under added during the drilling process. It follows levels indicated may vary with seasonal fluctuation and the degree of soil saturation when the boring was taken. If the stratification lines represent the approximate boundaries between soil types, the actual transitions may be gradual.

WATER TABLE SOIL BORINGS (SEE NOTE 10 SHT. SD-2)

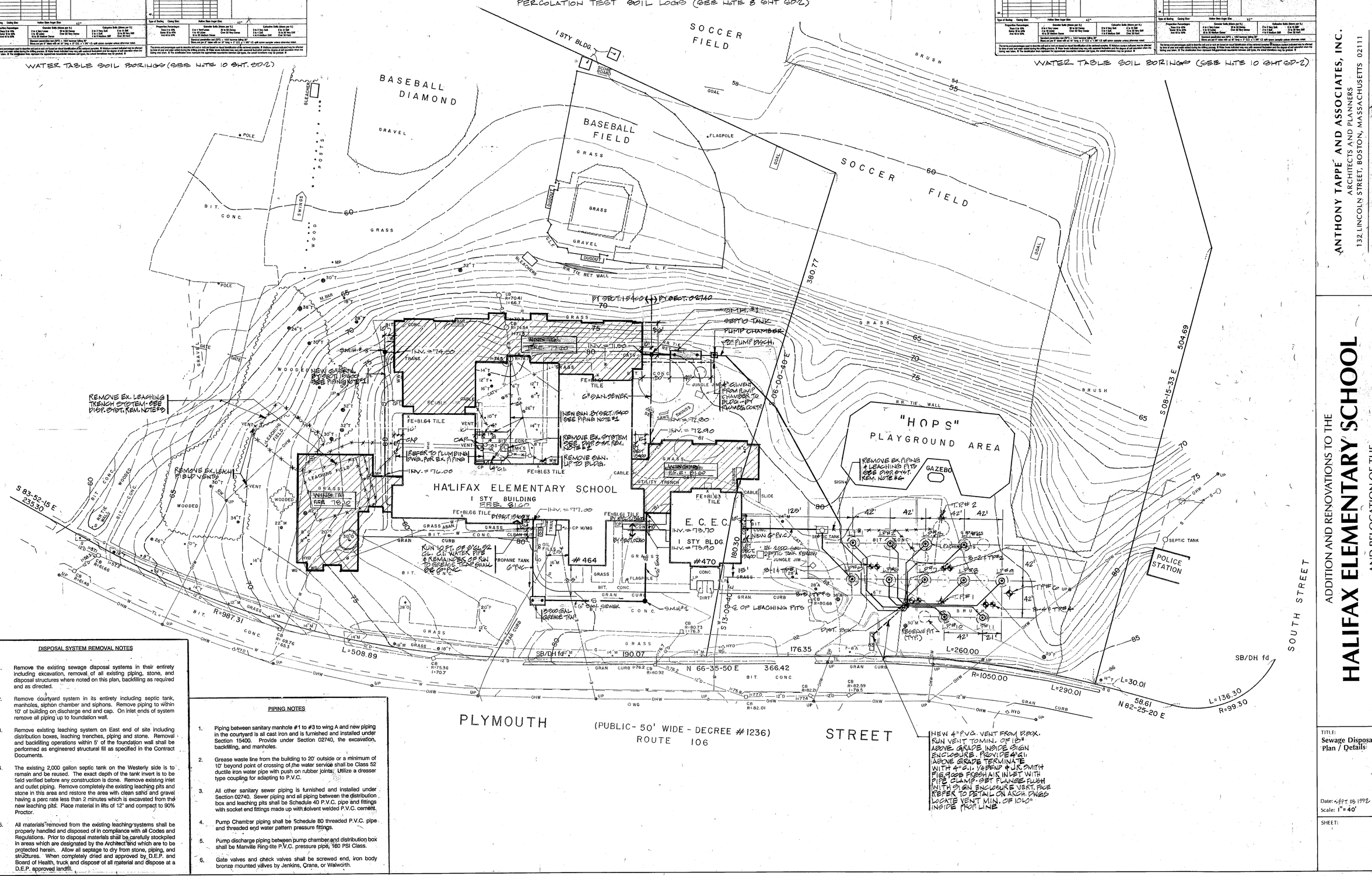


PERCOLATION TEST SOIL LOGS (SEE NOTE 8 SHT SD-2)



WATER TABLE TEST PIT (SEE NOTE 9 SHT SD-2)

WATER TABLE SOIL BORINGS (SEE NOTE 10 SHT SD-2)



DISPOSAL SYSTEM REMOVAL NOTES

1. Remove the existing sewage disposal systems in their entirety including excavation, removal of all existing piping, stone, and disposal structures where noted on this plan, backfilling as required and as directed.
2. Remove courtyard system in its entirety including septic tank, manholes, siphon chamber and siphons. Remove piping to within 10' of building on discharge end and cap. On inlet ends of system remove all piping up to foundation wall.
3. Remove existing leaching system on East end of site including distribution boxes, leaching trenches, piping and stone. Removal and backfilling operations within 5' of the foundation wall shall be performed as engineered structural fill as specified in the Contract Documents.
4. The existing 2,000 gallon septic tank on the Westerly side is to remain and be reused. The exact depth of the tank invert is to be field verified before any construction is done. Remove existing inlet and outlet piping. Remove completely the existing leaching pits and stone in this area and restore the area with clean sand and gravel having a perc rate less than 2 minutes which is excavated from the new leaching pits. Place material in lifts of 12" and compact to 90% Proctor.
5. All materials removed from the existing leaching systems shall be properly handled and disposed of in compliance with all Codes and Regulations. Prior to disposal materials shall be carefully stockpiled in areas which are designated by the Architect and which are to be protected herein. Allow all septage to dry from stone, piping, and structures. When completely dried and approved by, D.E.P. and Board of Health, truck and dispose of all material and dispose at a D.E.P. approved landfill.

PIPING NOTES

1. Piping between sanitary manhole #1 to #3 to wing A and new piping in the courtyard is all cast iron and is furnished and installed under Section 15400. Provide under Section 02740, the excavation, backfilling, and manholes.
2. Grease waste line from the building to 20' outside or a minimum of 10' beyond point of crossing of the water service shall be Class 52 ductile iron water pipe with push on rubber joints. Utilize a dresser type coupling for adapting to P.V.C.
3. All other sanitary sewer piping is furnished and installed under Section 02740. Sewer piping and all piping between the distribution box and leaching pits shall be Schedule 40 P.V.C. pipe and fittings with socket end fittings made up with solvent welded P.V.C. cement.
4. Pump Chamber piping shall be Schedule 80 threaded P.V.C. pipe and threaded end water pattern pressure fittings.
5. Pump discharge piping between pump chamber and distribution box shall be Manville Ring-tite P.V.C. pressure pipe, 160 PSI Class.
6. Gate valves and check valves shall be screwed end, iron body bronze mounted valves by Jenkins, Crane, or Walworth.

STAMP

COMMONWEALTH OF MASSACHUSETTS
MANUEL B. GARCIA
No. 24097
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

GARCIA & GALUSKA, INC.
Consulting Engineers
(508) 970-0006 FAX (508) 970-0320

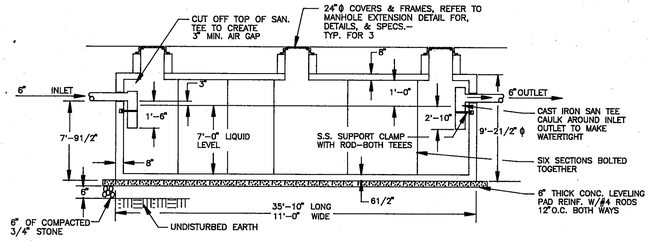
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Sewage Disposal System Plan / Details

Date: SEPT 19, 1992 Drawn By: KES
Scale: 1"=40' Job No: 9008 / 9104

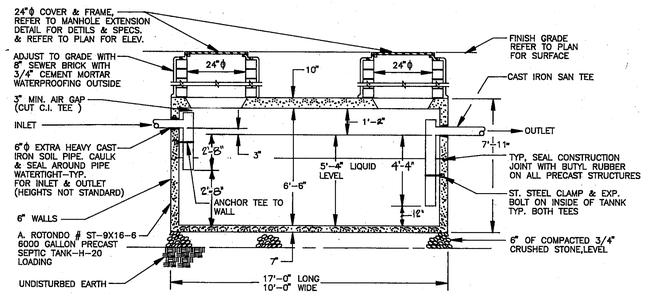
SHEET:

SD-1

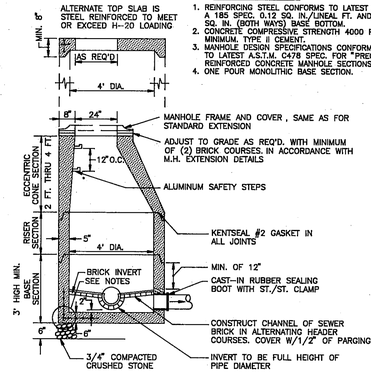


A. ROTONDO & SONS #ST 8X10–18 HEAVY DUTY SEPTIC TANK 18,000 GALLON CAP.

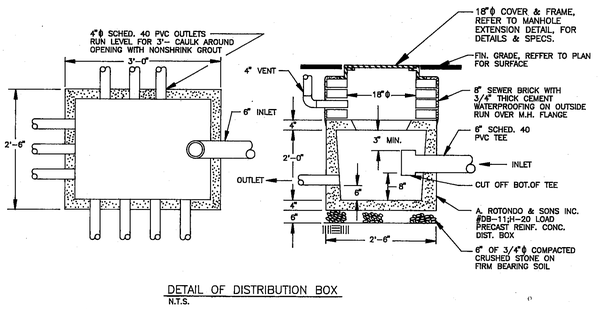
DETAIL OF 18,000 GALLON SEPTIC TANK
N.T.S.



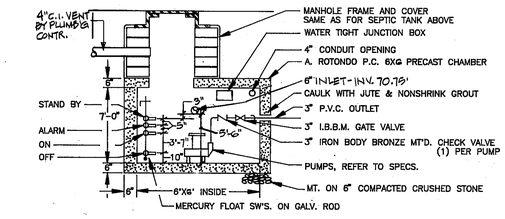
GREASE TRAP DETAIL (5,500 GAL. CAP.)
N.T.S.



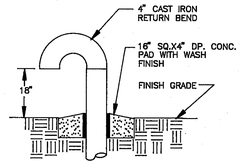
DETAIL OF SANITARY MANHOLE
N.T.S.



DETAIL OF DISTRIBUTION BOX
N.T.S.

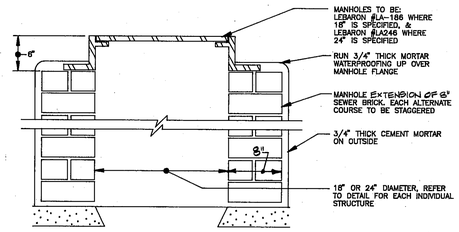


DETAIL OF PUMP CHAMBER
N.T.S.

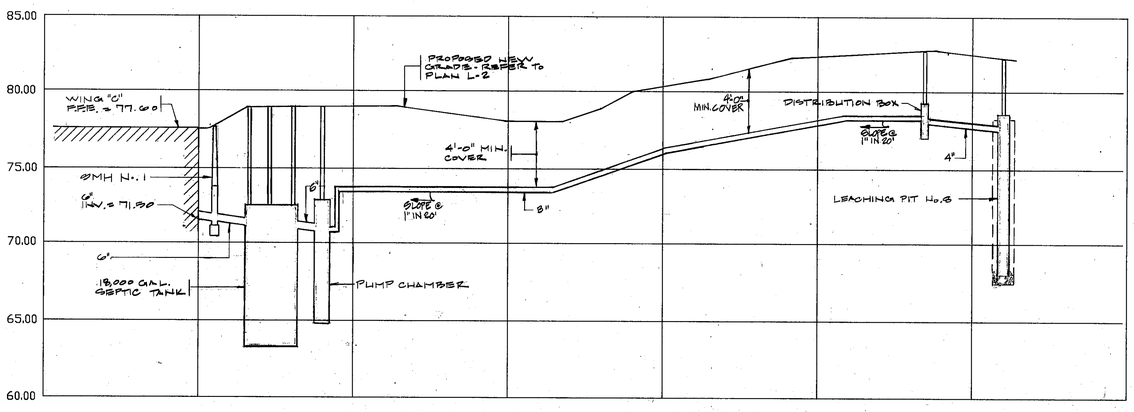


VENT DETAIL
N.T.S.

DETAIL OF LEACHING PIT
N.T.S.



MANHOLE DETAIL
N.T.S.



SEWAGE DISPOSAL SYSTEM PROFILE
HORIZ. SCALE: 1"=40'
VERT. SCALE : 1"=4'–0"

GREASE TRAP- BASIS OF DESIGN

350 CAFETERIA SEATS @ 15 G.P.D./SEAT= 5250 GAL, USE PRECAST 5500 GAL. TANK

PUMP CHAMBER DESIGN

DOSE BOTTOM OF PITS @ 1" DEPTH IN 15 MIN.

VOLUME = 154 S.F. x 10 PITS x 1" = 128.3 CF
DRAWDOWN DEPTH = 128.3/6X6 = 3.56'
SET DEPTH @ 3'-7"

PUMP RATE

128.3 C.F. x 7.5 G/C.F. x 1"/15 MIN = 64 G.P.M.
USE 75 G.P.M. PUMP @ 20' T.D.H.

GENERAL NOTES

1. FOR EXACT LOCATIONS & DIMENSIONS OF BUILDINGS, PARKING LOTS, ETC. REFER TO ARCHITECT'S DRAWINGS.
2. NO HEAVY EQUIPMENT SHALL BE RUN OVER THE DISPOSAL SYSTEM. INSTALLATION SHALL BE IN COMPLETE ACCORDANCE WITH TITLE 5 AND HALIFAX BOARD OF HEALTH REGULATIONS.
3. STONE SHALL BE OF SIZES SHOWN, SHALL BE TRIPLE WASHED AND HAVE LESS THAN 0.2% MATERIAL FINER THAN #200 SIEVE WHEN IN PLACE AND TESTED IN ACCORDANCE WITH AASHO #T–11 AND T–27.
4. NOTIFY THE ARCHITECT WHEN SYSTEMS ARE READY FOR INSPECTIONS AND AT LEAST AS FOLLOWS:
   A. WHEN SYSTEM INCLUDING THE LEACHING PITS IS STAKED OUT.
   B. WHEN EXCAVATION FOR LEACHING PITS & SAND FILTER IS COMPLETED AND BEFORE PLACING STONE.
   C. WHEN SYSTEM IS IN, INCLUDING STONE, AND PRIOR TO BACKFILLING.
5. UNSUITABLE MATERIAL IN THE DISPOSAL AREA SHALL BE REMOVED AND REPLACED WITH MATERIAL TO THE LIMITS SPECIFIED IN REG. 2.17 OF TITLE V. EXCAVATION AND NEW MATERIAL SHALL BE APPROVED BY THE ARCHITECT.
6. SOIL LOGS ARE INDICATIVE OF CONDITIONS ENCOUNTERED AT THE TIME AND LOCATION OF TESTS ONLY.
7. FOR BENCHMARK INFORMATION REFER TO PLAN L–1, DATED 6/3/91 PREPARED BY H & R SURVEY.
8. ⊕ SOIL PERCOLATION TEST SHOWN THUS WERE PERFORMED ON JUNE 1, 1991 BY GARCIA ENGINEERING INC. AND WITNESSED BY KATHLEEN O' BRIAN AND VIRGINIA BAILEY TOWN OF HALIFAX BOARD OF HEALTH INSPECTORS.
9. ✦ SOIL WATER TABLE TEST PIT SHOWN THUS WAS PERFORMED BY GARCIA ENGINEERING INC. AND NOT WITNESSED BY TOWN OF HALIFAX BOARD OF HEALTH.
10. ⊕ WATER TABLE SOIL BORINGS SHOWN THUS PERFORMED BY SOIL EXPLORATION CORPORATION ON 5/15/91.
11. ✦ EXISTING SOIL TEST PITS SHOWN THUS AND THE DESIGN OF THE EXISTING SEPTIC SYSTEM FOR THE EARLY CHILDHOOD LEARNING CENTER BY H. W. MOORE ASSOCIATES AS SHOWN ON DRAWING L–1 DATED 2/5/75.
12. WATER TABLE DETERMINED BY SOIL BORINGS PERFORMED BY SOIL EXPLORATION CORPORATION ON 5/15/91. REFER TO LETTER FROM A. ANTHONY TAPPE' AND ASSOCIATES, INC. DATED 5/7/91 TO TOWN OF HALIFAX BOARD OF HEALTH.

BASIS OF DESIGN

DAILY SEWAGE FLOW

SCHOOL(STUDENTS)	700 X 15 G.P.D. =	10,500 G.P.D.
STAFF	80 X 15 G.P.D. =	1,200 G.P.D.
TOTAL	=	11,700 G.P.D.
LIBRARY(PUBLIC)	=	300 G.P.D.
TOTAL		300 G.P.D.

SEPTIC TANK

150 % OF DAILY FLOW
1.5 X 11,700 G.P.D. = 17,550 G.P.D.
USE 18,000 GALLON TANK

LIBRARY USE EXISTING 2,000 GALLON TANK

LEACHING REQUIREMENTS

PERCOLATION RATE = 1"/ 2 MINUTES
BOTTOM AREA = 1.0 G.P.D./S.F.
SIDE AREA = 2.5 G.P.D./S.F.

USE 14'–0" EFFECTIVE DIAMETER LEACHING PIT BY 10'–0" DEEP

SIDE AREA = πDH = 439 S.F. X 2.5 = 1098 G.P.D.
BOTTOM AREA = πD²/4 = 154 S.F. X 1.0 = 154 G.P.D.

CAPACITY PER LEACHING PIT = 1252 G.P.D.
USE 10 PITS = 12,520 G.P.D.

LIBRARY USE 1 LEACHING PIT = 1252 G.P.D.

LEGEND

SYMBOL	ABREV.	DESRIPTION
———	NEW	NEW WORK SHOWN DARK
———	EX.	EXISTING WORK SHOWN LIGHT
———		TIGHT JOINT PIPING
— S —	S	GRAVITY SANITARY SEWER
— FM —	FM	SANITARY PUMP DISCHARGE
●	SMH	SANITARY SEWER MANHOLE
	LP	LEACHING PIT
	RIM	RIM ELEVATION
	INV	INVERT ELEVATION
	FFE	FINISH FLOOR ELEVATION

SCHEDULE ELEVATIONS

STRUCTURE	RIM	INVERT IN	INVERT OUT
SMH #1	77.6	71.40	71.35
SMH #2	80.65	74.80	74.70
SMH #3	77.5	74.60	74.55
GREASE TRAP	79.0	76.15	75.90
PUMP CHAMBER	79.0	70.75	71.75
SEPTIC TANK	79.0	71.10	70.85
DISTRIBUTION BOX	82.60	78.00	77.80
LP #1	81.15	77.30	–
LP #2	81.30	77.45	–
LP #3	82.00	77.45	–
LP #4	81.0	77.30	–
LP #5	82.10	FIELD VERIFY	
LP #6	82.10	77.60	–
LP #7	82.2	77.65	–
LP #8	81.2	77.45	–
LP #9	80.5	77.25	–
LP #10	82.0	77.60	–
LP #11	81.5	77.40	–

STAMP

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

GARCIA & GALUSKA, INC.
200 Country St. West Bedford, MA 02740-6417
(508) 993-5566 FAX (508) 990-0031

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

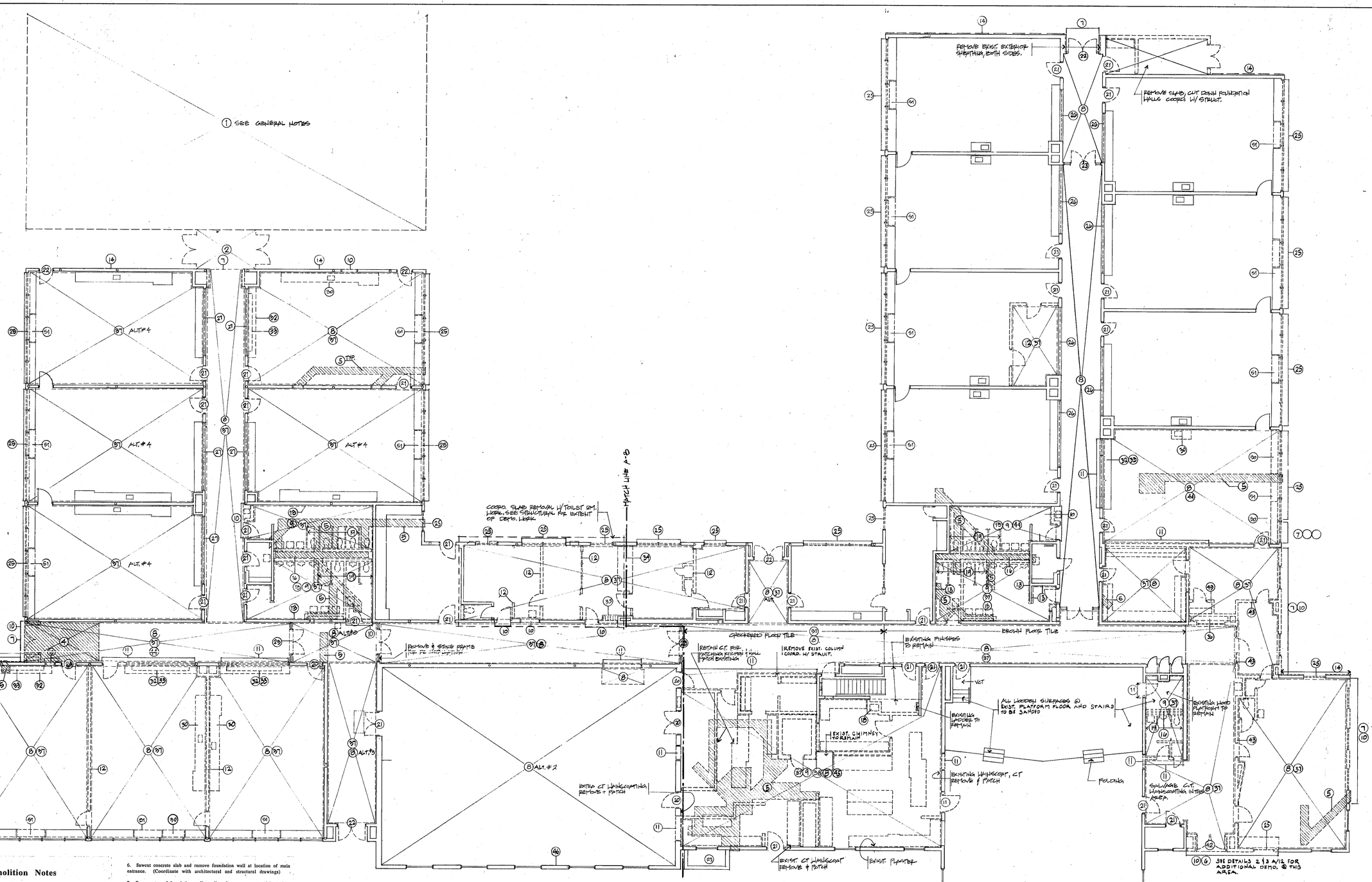
TITLE:
Sewage Disposal System Details

Date: SEPT 6, 1992 Drawn By: KB
Scale: NOTED Job No: 9008/9104

SHEET:

SD-2

TYPOTECH



General Demolition Notes

A. Prior to removal of structural walls, beams, columns, lintels, and other items, identify same and properly shore and brace as required. See specifications

B Remove tackboards, chalkboards, baseboards, soffits and other obstructions which would otherwise interfere with construction.

C Remove wall mounted toilet accessories including mirrors, soap and towel dispensers and other items which would otherwise interfere with construction.

D. Plumbing/Mechanical/Electrical equipment shown for clarity only. Coordinate with respective trade demolition drawings for disconnection and removal of equipment.

E. Refer to specifications section of each discipline for additional demolition work and information.

Demolition Notes
(Refer to Demolition Plans, Elevations & Details For Applicability)

1. Remove relocatable classroom structure in entirety. Site to be clear and free of debris.

2. Remove connecting vestibule in its entirety. Site to be clear and free of debris

3. Remove storage rooms in its entirety. Site to be clear and free of debris.

4. Remove floor finish sawcut concrete slab to provide area for handicap ramp. (Coordinate with architectural and structural drawings)

5. Sawcut concrete slab to provide trenching for underground utilities. Coordinate with architectural, mechanical, plumbing, and electrical drawings. NOTE: PAVING TO BE PATCHED TO MATCH EXISTING UNLESS OTHERWISE DETAILED.

6. Sawcut concrete slab and remove foundation wall at location of main entrance. (Coordinate with architectural and structural drawings)

7. Remove top of foundation wall to allow for new concrete slab to tie into existing slab and foundation wall.

8. Remove flooring and mastic. Existing concrete slab to be clean and smooth after removal.

9. Remove ceramic tile and substrate. Existing concrete slab to be clean and smooth after removal.

10. Provide new opening in existing wall. Coordinate required size with new work. (Refer to General Note A)

11. Masonry wall (concrete block with glazed tile) to be removed. Coordinate required size with new work. (Refer to General Note A).

12. Wood stud wall (2"X4" wood studs with Gyp. Board) to be removed. Coordinate ~~required size~~ with new work. (Refer to General Note A).

13. Carefully remove interior wall finish to face of wood studs. Coordinate required area with new work.

14. Carefully remove exterior wall finish to face of wood stud. Coordinate required area with new work.

15. Remove ~~part~~ section of wall above doorway opening to provide access for replacement of HVAC equipment. (Coordinate HV drawing detail). (Refer to General Note A). See detail 4/D2.

16. Remove chase walls (coordinate with Mechanical, Plumbing and Electrical demolition drawings for removal for equipment in chases. (Refer to General Note A).

17. Provide wall opening for return air duct (coordinate HVAC drawing) (Refer to General Note A)

18. Remove masonry chimney assembly and roof flashing in it entirety.

19. Remove metal wall toilet partition.

20. Remove door and frame. Expose rough opening.

21. Remove door leaf existing frame to remain unchanged.

22. Remove exterior door and frame. Expose rough opening.

23. Remove corridor door leafs - closures - hardware. Existing frame and sidelights to remain in place.

24. Remove window and frame. Expose rough opening.

25. Remove window sash. Existing frame to remain in place (coordinate with demolition and architectural drawings).

26. Remove interior window and frame. Expose rough opening.

27. Remove interior window ~~GRILLS~~. FRAME TO REMAIN IN PLACE.

28. Remove window shades and associated hardware in its entirety.

29. Remove metal grill at transformer area. ~~REMOVE METAL LADDER AND DELIVER TO OWNER~~

30. Remove countertop and base cabinet.

31 Remove above counter cabinet work.

32. Remove storage shelving and brackets. ~~SALVAGE FOR REPAIRS & OTHER CLASSROOMS.~~

33. Remove boot shelf. ~~SALVAGE FOR REPAIRS & OTHER CLASSROOMS.~~

34. Remove administraive counter and access door.

35. Remove teachers mailboxes.

36. Remove display case.

37. Remove ceiling and support system in its entirety.

38. Kitchen equipment to be disconnected - removed - reused (coordinate Kitchen Equipment, Plan FS-1) Refer to General Note D). ~~FS2-2~~)

40. Provide access at wall for new tube steel column and bearing plate. (coordinate with structural drawings)

41. Remove column in boiler room.

42. Carefully remove wood header at new main entrance: Existing eave detail to remain in place. See General Note A.

43. Remove wall. Coordinate with new work. See General Note A.

44. Carefully remove ceiling tile and stockpile for re-use during construction. Remove suspension system in its entirety.

45. Remove all walls shown. Coordinate with new work and General Note A. REMOVE C.T. WAINSCOTING ON WALLS TO REMAIN.

46. Remove existing finish base. - WHOLE ROOM.

47. Carefully remove existing shingle roofing. Coordinate with new work

48. Remove roof framing, sheathing, and all associated finishes. See General Note A.

49. Remove existing utility trench. Coordinate with all trades.

50. Remove existing roof eave. Coordinate with new work.

51. ~~EXISTING~~ HV UNIT VENTILATOR TO BE REMOVED. SEE HV DRAWINGS.

2 FLOOR PLAN
DEMOLITION @ BOILER ROOM BELOW

1 FLOOR PLAN - DEMOLITION (NOTE: SEE SHT. A-5 FOR HOLMES LIBRARY DEMOLITION PLAN)
1/8" = 1'-0"

STAMP

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Demolition: Floor Plan

Date: Sept 28, 1992 Drawn By:
Scale: Job No: 9008/9109

SHEET:
D-1

TWOTECH

General Demolition Notes

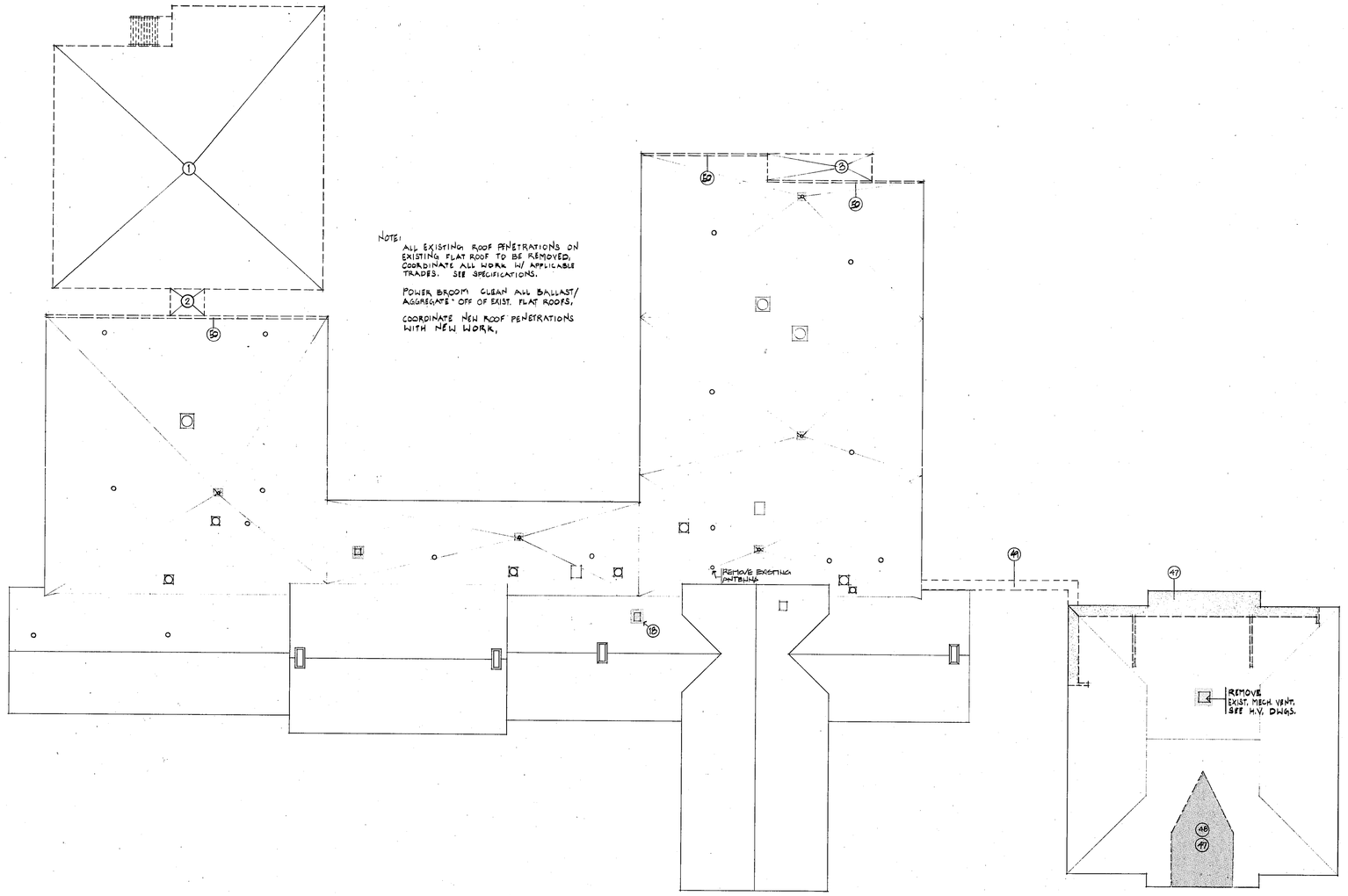
A. Prior to removal of structural walls, beams, columns, lintels, and other items, identify same and properly shore and brace as required. See specifications

B Remove tackboards, chalkboards, baseboards, soffits and other obstructions which would otherwise interfere with construction.

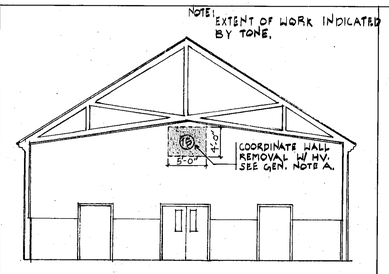
C Remove wall mounted toilet accessories including mirrors, soap and towel dispensers and other items which would otherwise interfere with construction.

D. Plumbing/Mechanical/Electrical equipment shown for clarity only. Coordinate with respective trade demolition drawings for disconnection and removal of equipment.

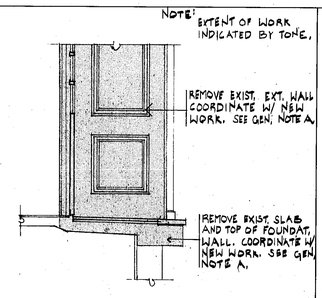
E. Refer to specifications section of each discipline for additional demolition work and information.



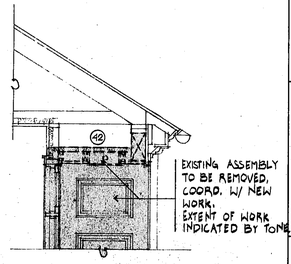
1 ROOF PLAN - DEMOLITION
1/16" = 1'-0"



4 DETAIL - REMOVAL OF WALL @ CAFETERIA B157
1/8" = 1'-0"



3 DETAIL - DEMOLITION @ LOBBY B154 FOUND & SLAB
1/2" = 1'-0"



2 DETAIL - DEMOLITION @ LOBBY B154 EXT. GIPPORT HEAD
1/2" = 1'-0"

STAMP

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

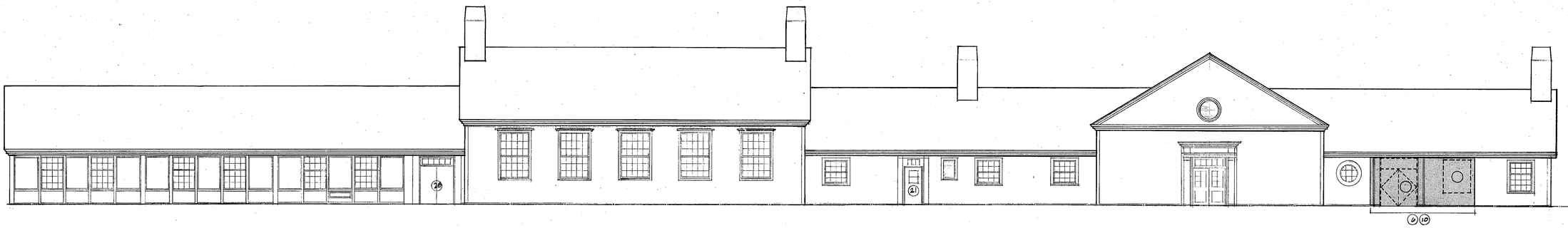
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Demolition: Roof Plan

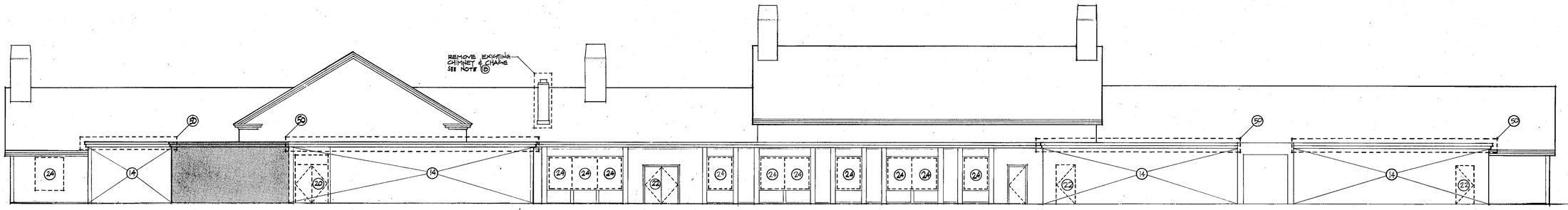
Date: SEPT. 9a 1992 Drawn By:
Scale: AS NOTED , Job No: 9008/9109

SHEET:
D-2

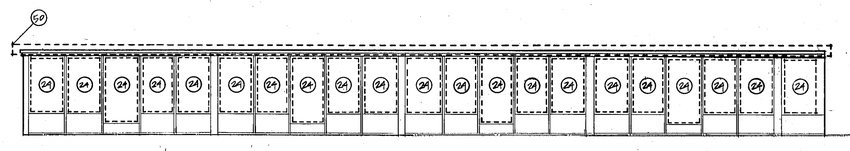
TYPOTECH



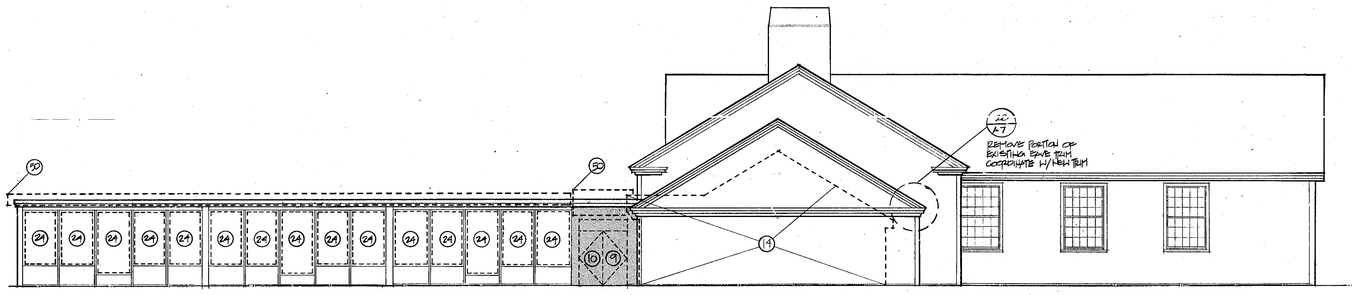
1 ELEVATION
1/8" = 1'-0"



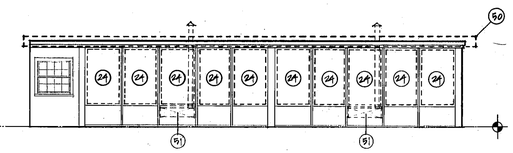
2 ELEVATION
1/8" = 1'-0"



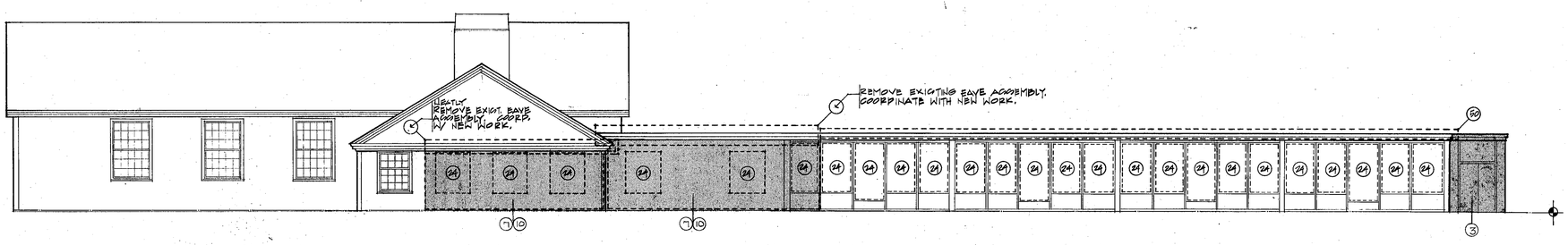
5 ELEVATION
1/8" = 1'-0"



3 ELEVATION
1/8" = 1'-0"



6 ELEVATION
1/8" = 1'-0"



4 ELEVATION
1/8" = 1'-0"

General Demolition Notes

A. Prior to removal of structural walls, beams, columns, lintels, and other items, identify same and properly shore and brace as required. See specifications

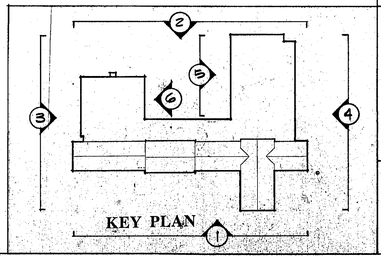
B Remove tackboards, chalkboards, baseboards, soffits and other obstructions which would otherwise interfere with construction.

C Remove wall mounted toilet accessories including mirrors, soap and towel dispensers and other items which would otherwise interfere with construction.

D. Plumbing/Mechanical/Electrical equipment shown for clarity only. Coordinate with respective trade demolition drawings for disconnection and removal of equipment.

E. Refer to specifications section of each discipline for additional demolition work and information.

NOTE: REFER TO SHT D-1 FOR DEMOLITION NOTES.



STAMP

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

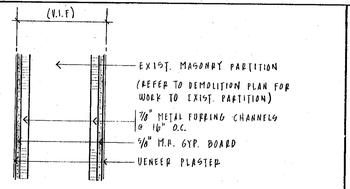
TITLE:
Demolition: Exterior Elevations

Date: SEPT. 29, 1992 Drawn By:
Scale: 1/8" = 1'-0" Job No: 9008 / 9104

SHEET:

D-3

TYPOTECH

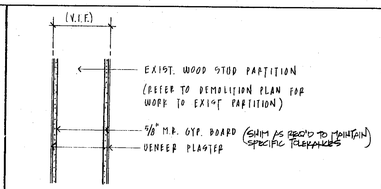


9 INTERIOR PARTITION - NEW CONSTRUCTION

9A INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 9: SUBSTITUTE APPLIED FINISH (REFER TO FINISH SCHEDULE) IN PLACE OF VENEER PLASTER BOTH SIDES

9B INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 9: SUBSTITUTE EXIST. WALL FINISH TO REMAIN ON ONE SIDE IN PLACE OF FURRING - 5/8" M.R. GYP. BOARD

9C INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 9B SUBSTITUTE APPLIED FINISH (REFER TO FINISH SCHEDULE) IN PLACE OF VENEER PLASTER

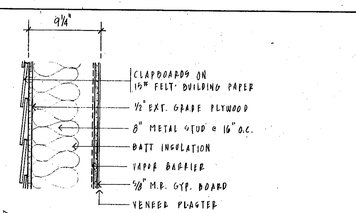


5 INTERIOR PARTITION - NEW CONSTRUCTION

5A INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 5: SUBSTITUTE APPLIED FINISH (REFER TO FINISH SCHEDULE) IN PLACE OF VENEER PLASTER BOTH SIDES

5B INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 5: SUBSTITUTE EXIST. WALL FINISH TO REMAIN ON ONE SIDE IN PLACE OF 5/8" M.R. GYP BOARD

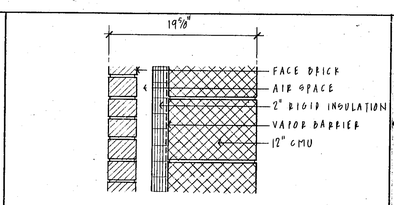
5C INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 5B: SUBSTITUTE APPLIED FINISH (REFER TO FINISH SCHEDULE) IN PLACE OF VENEER PLASTER



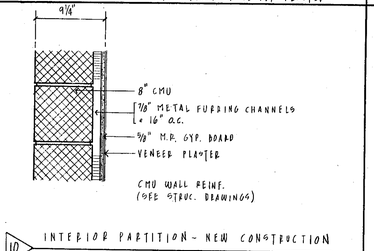
F EXTERIOR WALL - NEW CONSTRUCTION

F1 EXTERIOR WALL - NEW CONSTRUCTION
SIMILAR TO TYPE F: SUBSTITUTE SHINGLES IN PLACE OF CLAPBOARDS (SEE BUILD. ELEVATIONS FOR LOCATIONS)

F2 EXTERIOR WALL - NEW CONSTRUCTION
SIMILAR TO TYPE F: SUBSTITUTE 10" METAL STUDS @ 16" O.C. IN PLACE OF 8" METAL STUDS (OVERALL WIDTH = 11¼")



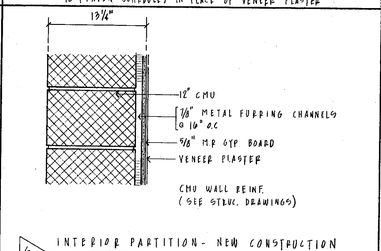
A EXTERIOR WALL - NEW CONSTRUCTION



10 INTERIOR PARTITION - NEW CONSTRUCTION

10A INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 10: REMOVE 7/8" METAL FURRING/M.R GYP. BOARD VENEER PLASTER (OVERALL WIDTH 7⅛")

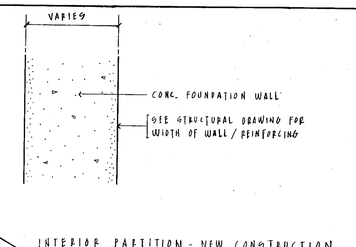
10B INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 10A → UL. NO. U905 (2 HR. FIRE RATING)



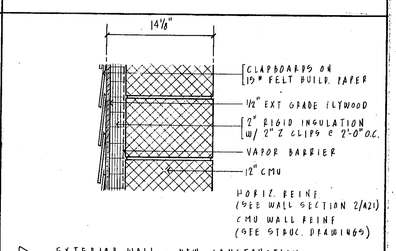
6 INTERIOR PARTITION - NEW CONSTRUCTION

6A INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 6: REMOVE 7/8" METAL FURRING/M.R GYP BOARD VENEER PLASTER (OVERALL WIDTH 11⅞")

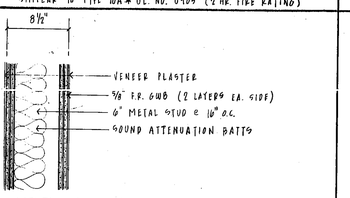
6B INTERIOR PARTITION - NEW CONSTRUCTION
SIM. TO TYPE 6; FURRING + GWB ON EXISTING CONSTRUCTION



1 INTERIOR PARTITION - NEW CONSTRUCTION



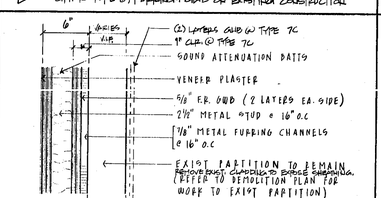
B EXTERIOR WALL - NEW CONSTRUCTION



11B INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 11: SUBSTITUTE 2 5/8" MTL. STUDS @ 16" O.C. FOR 6" MTL. STUDS @ 16" O.C. U.L. NO. U411

11 INTERIOR PARTITION - NEW CONSTRUCTION
* U.L. NO. U411 (2 HR RATING)

11A INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 11: SUBSTITUTE APPLIED FINISH (PARTIAL HGT.) IN PLACE OF RELEVANT VENEER PLASTER ON CORRIDOR SIDE OF WALL. PROVIDE WALL TYPE BB ON HOLMES LIBRARY SIDE OF PARTITION

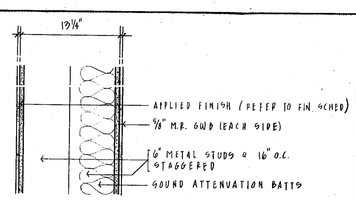


7C INTERIOR PARTITION @ EXPANSION JOINT
SIMILAR TO TYPE 7: SUBSTITUTE 3 5/8" MTL. STUDS. APPLY (2) LAYERS 5/8" F.R. GWB ON EXIST. PARTITION. DELETE 7/8 MTL. FURRING + ATTACH (2) LAYERS GWB. KEEP 1" CLR. BETWEEN NEW / EXISTING MTL. STUDS.

7 INTERIOR PARTITION - NEW CONSTRUCTION
* U.L. NO. U411 (2 HR. RATING - SIMILAR)

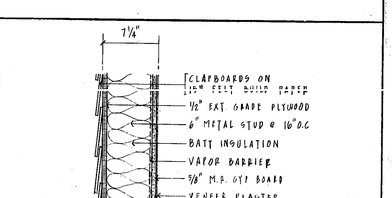
7A INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 7: SUBSTITUTE 3 5/8" METAL STUD @ 16" O.C. IN PLACE OF 2½" METAL STUD - (OVERALL WIDTH 7⅛")

7B INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 7: SUBSTITUTE 6" METAL STUD @ 16" O.C. IN PLACE OF 2½" METAL STUD - (OVERALL WIDTH 9⅛")



2 INTERIOR PARTITION - NEW CONSTRUCTION

2A INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 2: SUBSTITUTE VENEER PLASTER IN PLACE OF APPLIED FINISH - (OVERALL WIDTH TO ALIGN WITH EXIST. PARTITION V.I.F)

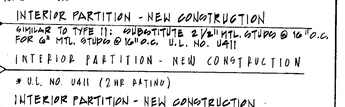


C EXTERIOR WALL - NEW CONSTRUCTION

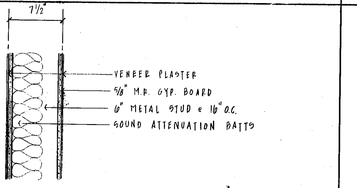
C1 EXTERIOR WALL - NEW CONSTRUCTION
SIMILAR TO TYPE C: SUBSTITUTE SHINGLES IN PLACE OF CLAPBOARDS (SEE BUILD. ELEVATIONS FOR LOCATIONS)

C2 EXTERIOR WALL - NEW CONSTRUCTION
SIMILAR TO TYPE C: SUBSTITUTE ½" H20 PLYWOOD IN PLACE OF CLAPBOARDS (SEE BUILD ELEVATIONS FOR LOCATIONS)

C3 EXTERIOR WALL - NEW CONSTRUCTION
SIMILAR TO TYPE C: SUBSTITUTE APPLIED FINISH (REFER TO FINISH SCHEDULE) IN PLACE OF VENEER PLASTER



13 INTERIOR PARTITION - NEW CONSTRUCTION



12 INTERIOR PARTITION - NEW CONSTRUCTION

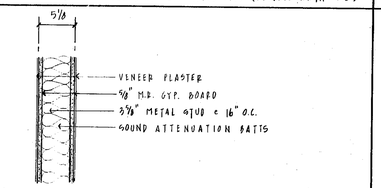
12A INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 12: SUBSTITUTE 5/8" F.R. GWB IN PLACE OF 5/8" M.R GWB * U.L. NO. U465 (1 HR RATING)

12B INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 12: SUBSTITUTE APPLIED FINISH (REFER TO FINISH SCHEDULE) IN PLACE OF VENEER PLASTER ON BATHROOM SIDE OF WALL

12C INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 12: REMOVE 5/8" GWB FROM ONE SIDE SIDE TO REMAIN UNFINISHED

12D INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 12, SUBSTITUTE APPLIED FINISH (PARTIAL HEIGHT) IN PLACE OF RELEVANT VENEER PLASTER ON CORRIDOR SIDE OF WALL

12E INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 12D PROVIDE 1 LAYER ½" CDX PLYWOOD UNDER 5/8" M.R. GWB AND VENEER PLASTER IN STORAGE ROOM SIDE OF WALL.



8 INTERIOR PARTITION - NEW CONSTRUCTION

8A INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 8: SUBSTITUTE 5/8" F.R. GWB IN PLACE OF 5/8" M.R GWB - * U.L. NO. U405 (1 HR RATING)

8B INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 8 ADD (1) LAYER ½" CDX PLYWOOD UNDER 5/8" M.R. GWB ON STORAGE ROOM WALL

8C INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 8: SUBSTITUTE APPLIED FINISH (REFER TO FINISH SCHEDULE) IN PLACE OF VENEER PLASTER ON BATHROOM SIDE OF WALL

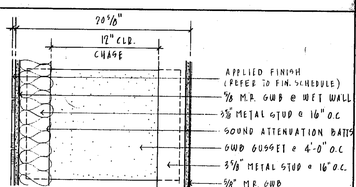
8D INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 8: SUBSTITUTE APPLIED FINISH (REFER TO FINISH SCHEDULE) IN PLACE OF VENEER PLASTER ON BOTH SIDES

8E INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 8: OMIT 5/8" M.R. GWB AND VENEER PLASTER ON NON-FINISH SIDE. SEE PLANS.

8F INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 8: SUBSTITUTE 6" MTL. STUDS @ 16" O.C. IN PLACE OF 3 5/8" MTL. STUDS @ 16" O.C. OVERALL WIDTH: 9 1/2"

8G INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 8: SUBSTITUTE APPLIED FINISH (PARTIAL HEIGHT) IN PLACE OF RELEVANT VENEER PLASTER ON CORRIDOR SIDE OF WALL)

8H INTERIOR PARTITION - RENOVATED CONSTRUCTION
SIMILAR TO TYPE 8B - SUBSTITUTE 6X WOOD STUDS @ 16" O.C. (WIDTH TO MATCH EXIST. ASSEMBLY) IN LIEU OF 3 5/8 MTL. STUDS. CDX PLYWOOD TO BE ON CLASSROOM SIDE OF WALL.

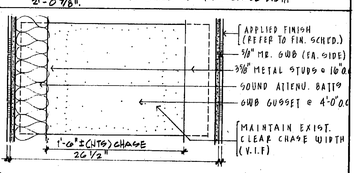


3 INTERIOR PARTITION - NEW CONSTRUCTION

3A INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 3: SUBSTITUTE EXIST PARTITION TO REMAIN IN PLACE OF 3⅝" METAL STUD W/ 5/8" M.R GWB - VENEER PLASTER (OVERALL WIDTH: (V.I.F))

3B INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 3: SUBSTITUTE WALL TYPE 'B' IN PLACE OF 5⅛" METAL STUD W/ 5/8" M.R.GWB (OVERALL WIDTH: (V.I.F))

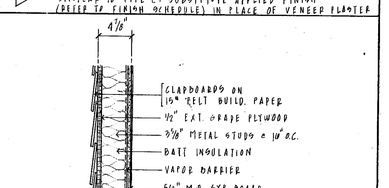
3C INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 3: SUBSTITUTE WALL TYPE F IN PLACE OF ONE SIDE OF CHASE, MAINTAIN 12" CLEAR CHASE, OVERALL WIDTH 2'-0 7/8".



4B

4 INTERIOR PARTITION - NEW CONSTRUCTION

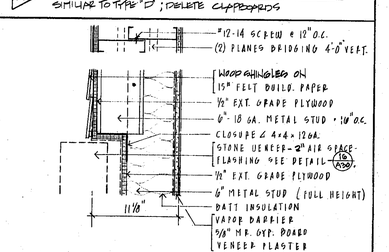
4A INTERIOR PARTITION - NEW CONSTRUCTION
SIMILAR TO TYPE 4: SUBSTITUTE 6" METAL STUD W/ 5/8" M.R. GWB - VENEER PLASTER FINISH ON CLASSROOM SIDE OF WALL - MAINTAIN 12" CLEAR CHASE (OVERALL WIDTH 28")



D EXTERIOR WALL - NEW CONSTRUCTION

D1 EXTERIOR WALL - NEW CONSTRUCTION
SIMILAR TO TYPE D: SUBSTITUTE 6" METAL STUDS IN PLACE OF 3⅝" METAL STUDS - STAGGER 6" METAL STUDS TO ALIGN INTERIOR FACE W/ INTERIOR FACE OF NEW PARTITION BEYOND (OVERALL WIDTH: (V.I.F))

D2 EXTERIOR WALL - NEW CONSTRUCTION
SIMILAR TO TYPE 'D'; DELETE CLAPBOARDS



E EXTERIOR WALL - NEW CONSTRUCTION

E1 EXTERIOR WALL - NEW CONSTRUCTION
SIMILAR TO TYPE E: ADD (1) LAYER ½" CDX PLYWOOD UNDER 5/8" M.R. GYP. BOARD ON STORAGE ROOM WALL

Abbreviations

ALTERN.	ALTERNATE	GA.	GUAGE	PNT.(D)	PAINT
#	POUND	GALS.	GALLONS	POLY.	POLYSTRENE
@	AT	GALV.	GALVANIZED	POLYU.	POLYURETHANE
ABV.	ABOVE	G.C.	GENERAL CONTRACTOR	PR.	PAIR
A.C.T.	ACOUSTIC CEILING TILE	GL.	GLASS	PRAC.	PRACTICE
ADJ.	ADJUSTABLE	G.R.G.	GLASS REINFORCED GYPSUM	P.S.F.	POUNDS PER SQURE FOOT
ADJAC.	ADJACENT	G.W.B.	GYPSUM WALL BOARD	P.S.I.	POUNDS PER SQUARE INCH
A.F.F.	ABOVE FINISH FLOOR	GYP.	GYPSUM	PT.	POINT
A.H.U.	AIR HANDLING UNIT			P.T.	PRESSURE TREATED
ALUM.	ALUMINUM			PTN.	PARTITION
ARCH.	ARCHITECTURAL	H.	HIGH		
ASSEMB.	ASSEMBLY	H.C.	HOLLOW CORE		
B.B.	BASE BLD.	HDW.	HARDWARE	R.	RISERS
BD.	BOARD	HGT.	HEIGHT	RAD.	RADIUS
BIT.	BITUMINOUS	HM	HOLLOW METAL	R.B.	RUBBER BASE
BLDG.	BUILDING	HORIZ.	HORIZONTAL	R.C.P.	REFLECTED CEILING PLAN
BLKG.	BLOCKING.	HTG.	HEATING	R.D.	ROOF DRAIN
BTM.	BOTTOM	HTR.	HEATER	REQ'D.	REQUIRED
				RFG.	ROOFING
C.	COURSES	IN/"	INCHES	R.F.M.	RECESSED FLOOR MAT
CAB.	CABINET	INCL.	INCLUDE,(D),(ING)	R.H.	RIGHT HAND
C.J.	CONTROL JOINT	INSUL.	INSULATE/INSULATION	RM.	ROOM
CLG.	CEILING	INT.	INTERIOR	R.O.	ROUGH OPENING
CLR.	CLEAR	INV.	INVERT		
C.M.U.	CONCRETE MASONRY UNIT			S.C.	SOLID CORE
COL.(S)	COLUMN(S)	JAN.	JANITOR	SCH.	SCHEDULE
CONC.	CONCRETE	JT.	JOINT	SECT.	SECTION
CONST.	CONSTRUCTION			S.F.	SQUARE FOOT
CONT.	CONTINUOUS	LAM.	LAMINATE	SHT.	SHEET
CPT.	CARPET	L.H.	LEFT HAND	SIM.	SIMILAR
C.T.	CERAMIC TILE	L.S.G.	LAMINATED SAFETY GLASS	SMS.	SEAMS
CRTYD	COURTYARD			SPEC.(S)	SPECIFICATION(S)
		MAS.	MASONRY	SQ.FT.	SQUARE FOOT(FEET)
DBL.	DOUBLE	MAT'L.	MATERIAL	STL.	STEEL
DEMO.	DEMOLITION	MAX.	MAXIMUM	STRUCT.	STRUCTURAL
D.F.	DRINKING FOUNTAIN	M.B.	MARKER BOARD	SUSP.	SUSPENDED
DIAM.	DIAMETER	M.D.O.	MEDIUM DENSITY OVERLAY	SWG.	SWING
DIM.	DIMENSION	MECH.	MECHANICAL	SYS.	SYSTEM
D.H.	DOUBLE HUNG	MFR.	MANUFACTURER	SHT. V.	SHEET VINYL
DN.	DOWN	MIN.	MINIMUM		
DP.	DEEP	MISC.	MISCELLANEOUS	T.	TREAD
DR.	DOOR	M.O.	MASONRY OPENING	T&B.	TOP AND BOTTOM
DRG.	DRAWING	M.R.	MOISTURE RESISTANT	T&G.	TOUNGE AND GROOVE
DTL.	DETAIL	MTL.	METAL	T.B.	TACKBOARD
				TECT.	TECTUM PANEL
EA.	EACH	NAT.	NATURAL	TEL.	TELEPHONE
EL.	ELEVATION	N.I.C.	NOT IN CONTRACT	THK.	THICK
EMG.	EMERGENCY	NO.	NUMBER	T.S.	TRANSVERSE BEAM
EQ.	EQUAL	NOM.	NOMINAL	TYP.	TYPICAL
EX.(IST)	EXISTING	N.T.S.	NOT TO SCALE		
EXP.	EXPOSED			U.O.N	UNLESS OTHERWISE NOTED
EXT.	EXTERIOR				
E.T.R.	EXISTING TO REMAIN			V.C.B.	VINYL COVE BASE
		O.C.	ON CENTER	V.C.T.	VINYL COMPOSITION TILE
FDN.	FOUNDATION	O.D.	OUTSIDE DIAMETER	VEN.	VENEER
FE.	FIRE EXTINGUISHER	OPNG.	OPENING	V.P.	VENEER PLASTER
FEM.	FEMINAN	OPP.	OPPOSITE	VERT.	VERTICAL
FIN.FL(R)	FINISH FLOOR			V.I.F.	VERIFY IN FIELD
FIXT.	FIXTURE			V.W.C.	VINYL WALL COVERING
FLG.	FLASHING			V.T.R.	VENT THROUGH ROOF
FLM.	FLOOR MAT			W/	WITH
FLR.(G)	FLOORING			W/O	WITHOUT
F.O.B.	FACE OF BRICK			WIN.(D)	WINDOW
F.O.F.	FACE OF FINISH			WD.	WOOD
F.O.S.	FACE OF STUD			WP.	WEATHERPROOF
FR.	FROM			WRD	WARDROBE
FT.	FOOT(FEET)				
FTG.	FOOTING				
F.R.	FIRE RATED				

Drawing Symbols

PROJECT NORTH ARROW
MAGNETIC NORTH USED ON PLOT SITE PLAN ONLY

POINT ELEVATION NEW OR REQUIRED (PLAN) 461.0

POINT ELEVATION EXISTING (PLAN) 461.0

EXISTING CONTOURS ELEV. NOTED ON HIGH SIDE 460

NEW CONTOURS ELEV.NOTED ON HIGH SIDE 460

TEST BORING TB1

SPOT ELEVATION 456.5 TOP WALL

CENTER LINE ALSO: PROJECTIONS EXTERIOR ELEV. LINES

PROPERTY LINE P.L. PROPERTY LINE

CONTRACT LIMIT LINE

Matchline

BREAK LINE

INDICATION ARROWS NOTE NOTE NOTE

ROOM NAME / NUMBER OFFICE 101

DOOR NUMBER 101

INTERIOR WINDOW 9

EXTERIOR WINDOW TYPE 9

WINDOW SHADE TYPE 11 SEE SCHED. SHEET A4

COLUMN LINES
HORIZONTAL STRING MARK BY #
VERTICAL STRING MARK BY LETTER

PLAN, ELEVATION, SECTION OR DETAIL IDENTIFICATION
1 / A-0 — IDENTIFICATION NO. — FLOOR PLAN — 3/8"=1'-0" — DRAWING NO.

BLDG.SECTION REFERENCE 1 / A-21

WALL SECTION REFERENCE 3 / A-20

DETAIL REFERENCE 3 / A-20 — 4 / A-20 — USED DARIES

INTERIOR ELEV. REFERENCE 101 / A-0 — ELEV. NO. — ROOM NO. — SHEET NO.

EXTERIOR ELEV. REFERENCE 1 / A-1

LOUVER NUMBER 5

PARTITION TYPE B

BUILDING ELEVATION (NEW) 3RD FLOOR EL. 122'-0

BUILDING ELEVATION (EXIST.) HEADHEIGHT EL. 109'-0 EXIST.

NEW WALL CONSTRUCTION

REMOVE WALL CONSTRUCTION

2 HR. RATED WALL CONSTRUCTION

Materials Legend

EARTHWORK — EARTH, GRAVEL, SAND
CONCRETE — CAST IN PLACE CONCRETE
MASONRY — CONCRETE BLOCK, BRICK
STONE — RUBBLE, MARBLE
WOOD — FINISH, ROUGH, BLOCK, PLYWOOD LARGE SCALE, PLYWOOD SMALL SCALE
GLASS — GLASS
INSULATION — BATT LOOSE FILL, RIGID
FINISHES — ACOUSTICAL TILE, CARPET AND PAD, GYPSUM WALLBOARD, CERAMIC TILE, METAL LATH PLASTER

STAMP

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

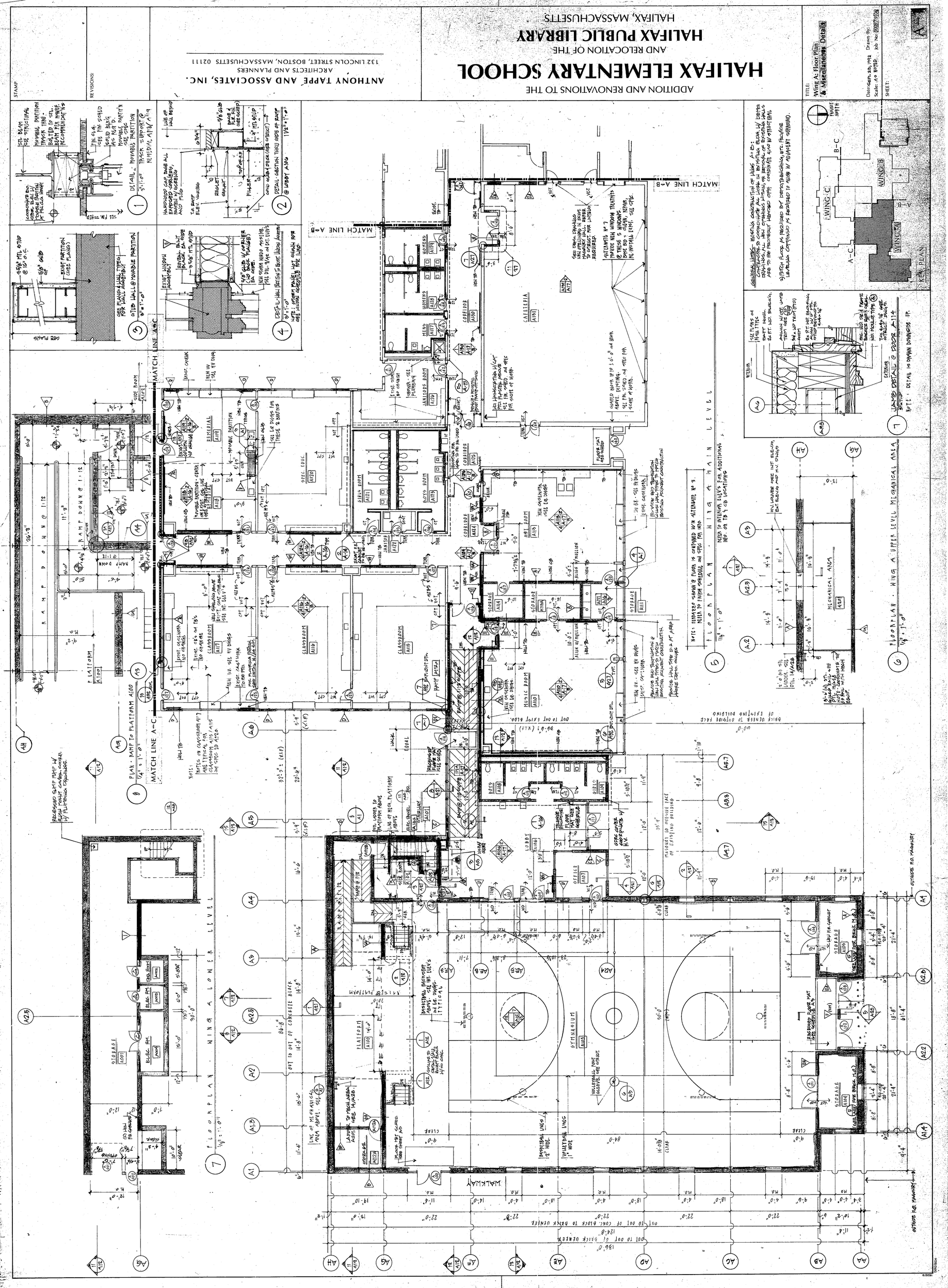
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Abbreviations, Legends, Wall Types

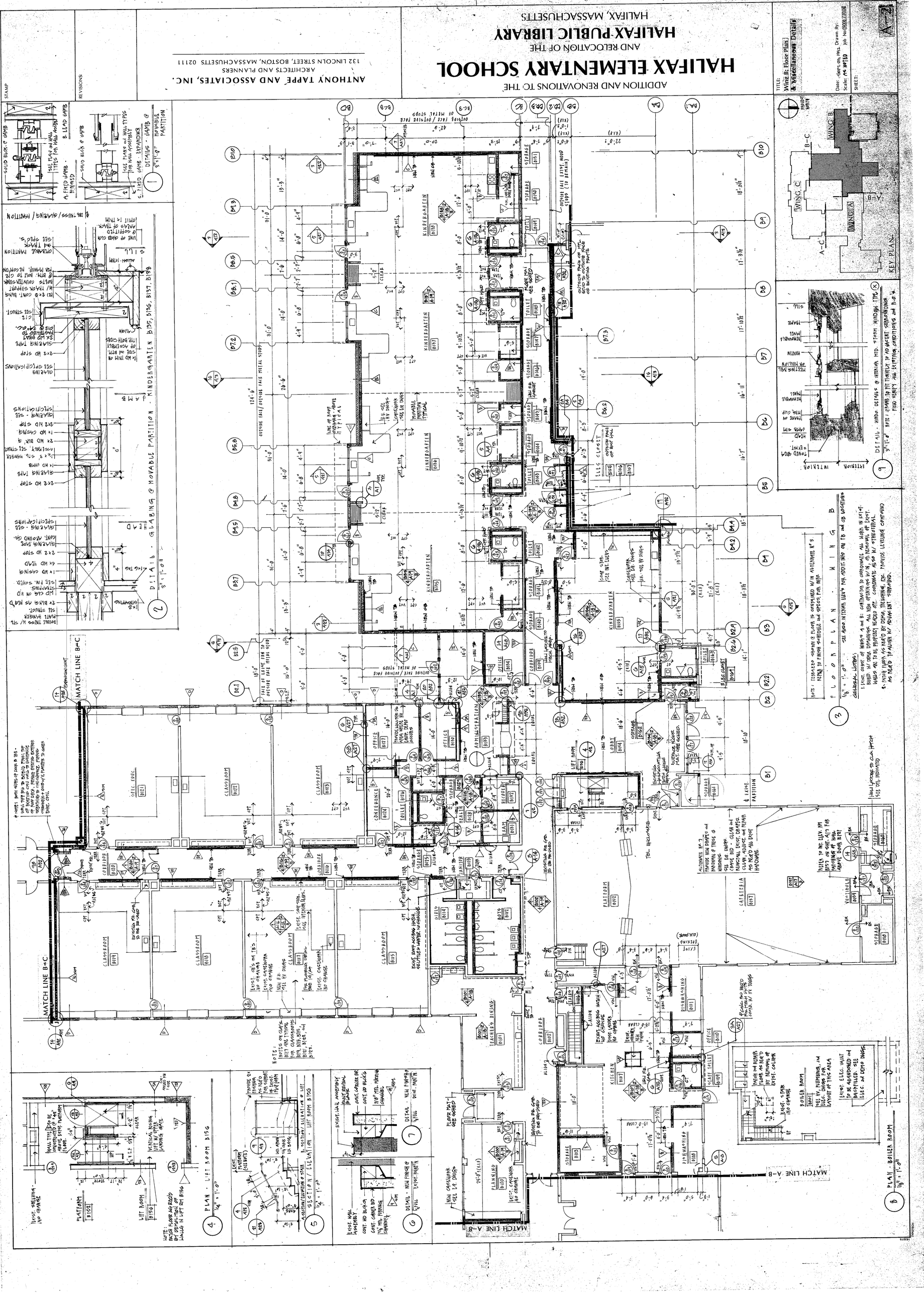
Date: SEPT. 23 1982 Drawn By:
Scale: AS NOTED Job No: 9008./9104

SHEET:
A-0

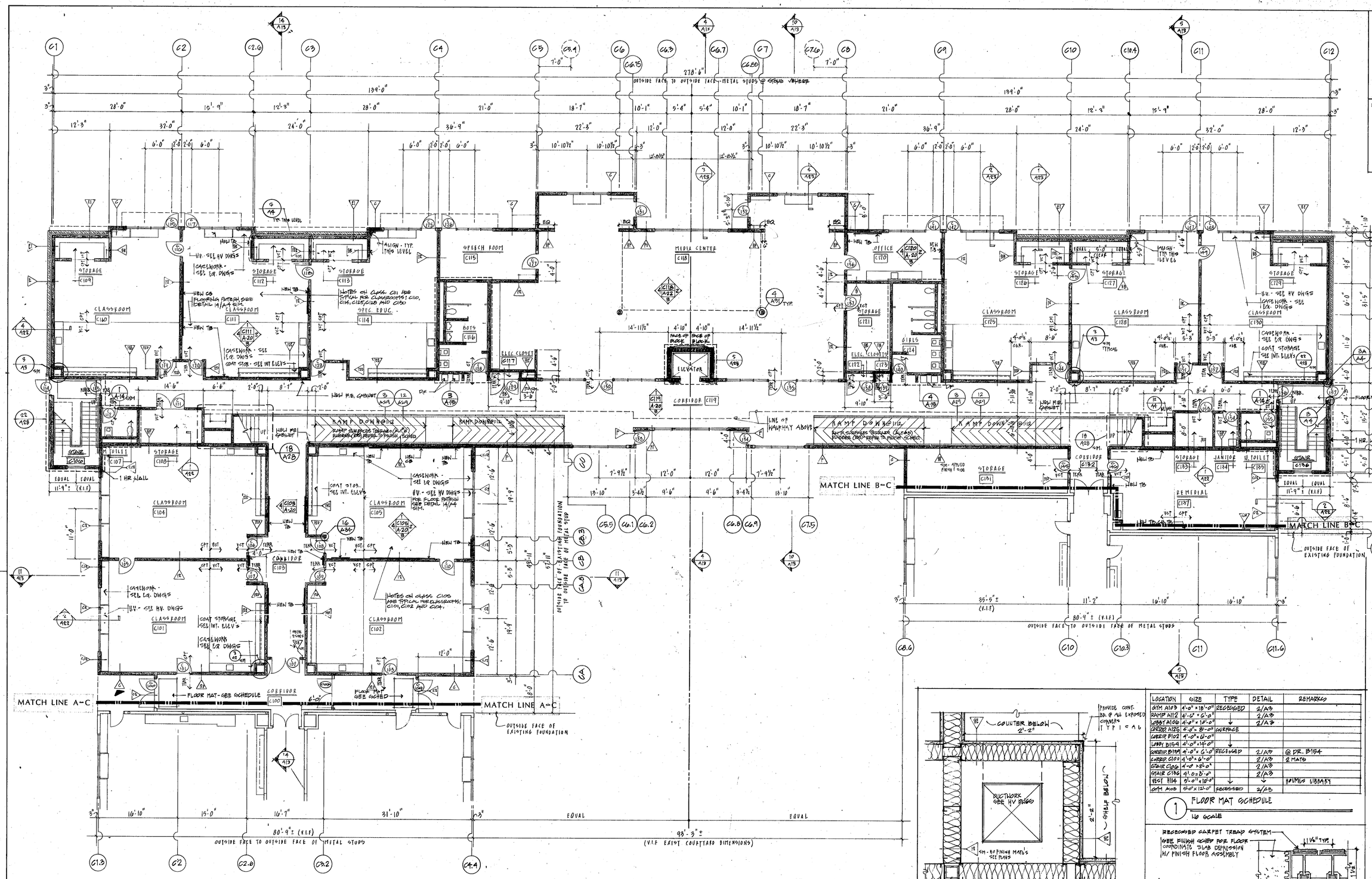
TYPOTECH



ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS
ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111
STAMP
REVISIONS:
TITLE:
Wing A: Floor Plan & Miscellaneous Details
Date: Sept. 28, 1992
Drawn By:
Scale: As Noted
Job No: 8009/9104
SHEET:
A-1
MATCH LINE A-B
MATCH LINE A-C
FLOORPLAN - WING A MAIN LEVEL
FLOORPLAN - WING A LOWER LEVEL
FLOORPLAN - WING A UPPER LEVEL MECHANICAL AREA
PLAN - RAMP TO PLATFORM
RAMP DOWN @ 1:12
PLATFORM
CLASSROOM
STORAGE
CORRIDOR
CAFETERIA
MUSIC ROOM
LOBBY
OFFICE
GYMNASIUM
WALKWAY
KEY PLAN
WING A
WING B
WING C



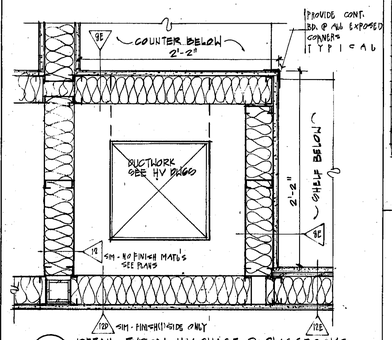
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS
ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111
STAMP
REVISIONS:
TITLE: Wing B: Floor Plan & Miscellaneous Details
Date: Sept. 20, 1992 Drawn By:
Scale: As Noted Job No: 9008/9108
SHEET:
A-2
KEY PLAN
WING B
WING C
WING A
MATCH LINE B-C
MATCH LINE A-B
PLAN - LIFT ROOM B156
SECTION / ELEVATION - LIFT ROOM B156
PLAN - BOILER ROOM
DETAIL - GLAZING @ MOVABLE PARTITION - KINDERGARTEN B135, B136, B137, B138
DETAIL - HINDO DETAILS @ INTERIOR MTD. STORM WINDOW TYPE
FLOOR PLAN - WING B



8 FLOORPLAN - WING C LOWER LEVEL

1/8" = 1'-0" SEE ALSO INTERIOR ELEVATIONS FOR ADDIT. INFO. ON TB and CB LOCATIONS.

NOTE: TERRAZZO SHOWN @ FLOOR IS CONTAINED W/IN ALTERNATE No. 3. REFER TO FINISH SCHEDULE and SPECS FOR INFO.



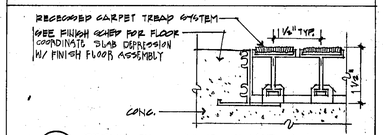
3 DETAIL - TYPICAL H.V. CHASE @ CLASSROOMS

1 1/2" = 1'-0"

LOCATION	SIZE	TYPE	DETAIL	REMARKS
GYM A103	4'-0" x 18'-0"	RECESSED	2/A3	
RAMP A112	4'-6" x 6'-0"	↓	2/A3	
LOBBY A106	4'-0" x 10'-0"	↓	2/A3	
CORRID. A125	4'-0" x 8'-0"	SURFACE		
CORRID. B102	4'-0" x 6'-0"	↓		
LOBBY B154	4'-0" x 14'-0"	↓		
CORRID. B139	4'-0" x 6'-0"	RECESSED	2/A3	@ DR. B154
CORRID. C100	4'-0" x 6'-0"	↓	2/A3	2 MATS
STAIR C106	4'-0" x 8'-0"	↓	2/A3	
STAIR C136	4'-0" x 8'-0"	↓	2/A3	
VEST H114	5'-0" x 10'-0"	↓	↓	HOLMES LIBRARY
GYM A108	5'-0" x 12'-0"	RECESSED	2/A3	

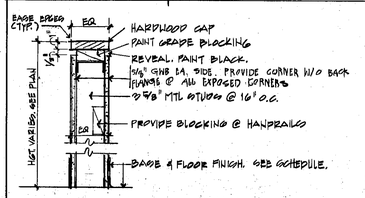
1 FLOOR MAT SCHEDULE

NO SCALE



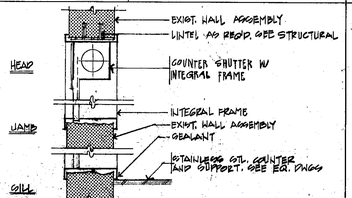
2 DETAIL - RECESSED FLOOR MAT

NO SCALE



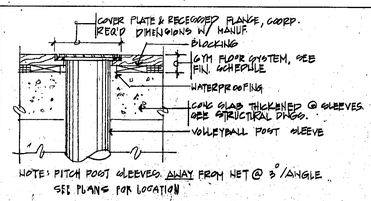
9 DETAIL - PARTIAL HEIGHT WALL

1 1/2" = 1'-0"



7 DETAIL - SECURITY GRILLE @ DISH ROOMS

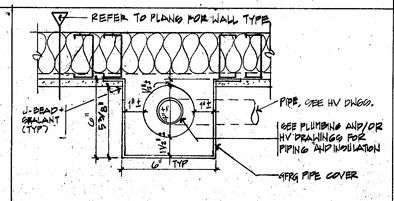
3/4" = 1'-0"



NOTE: PITCH POST SLEEVES AWAY FROM NET @ 3°/ANGLE SEE PLANS FOR LOCATION

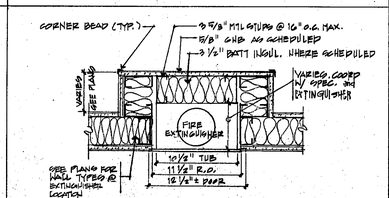
6 DETAIL - VOLLEYBALL POST SLEEVE

NO SCALE



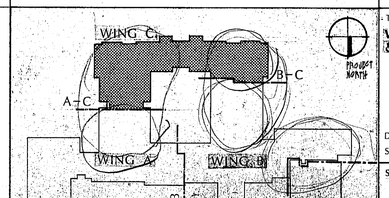
5 DETAIL - GFRG ENCLOSURE

3" = 1'-0"



4 PLAN DETAIL - FIRE EXTINGUISHER CABINET

1 1/2" = 1'-0"



KEY PLAN

STAMP

REVISIONS:

ADDITION AND RENOVATIONS TO THE

HALIFAX ELEMENTARY SCHOOL

AND RELOCATION OF THE

HALIFAX PUBLIC LIBRARY

HALIFAX, MASSACHUSETTS

TITLE:

Wing C: Lower Level Floor Plan & Miscellaneous Details

Date: SEPT. 23, 1992 Drawn By:

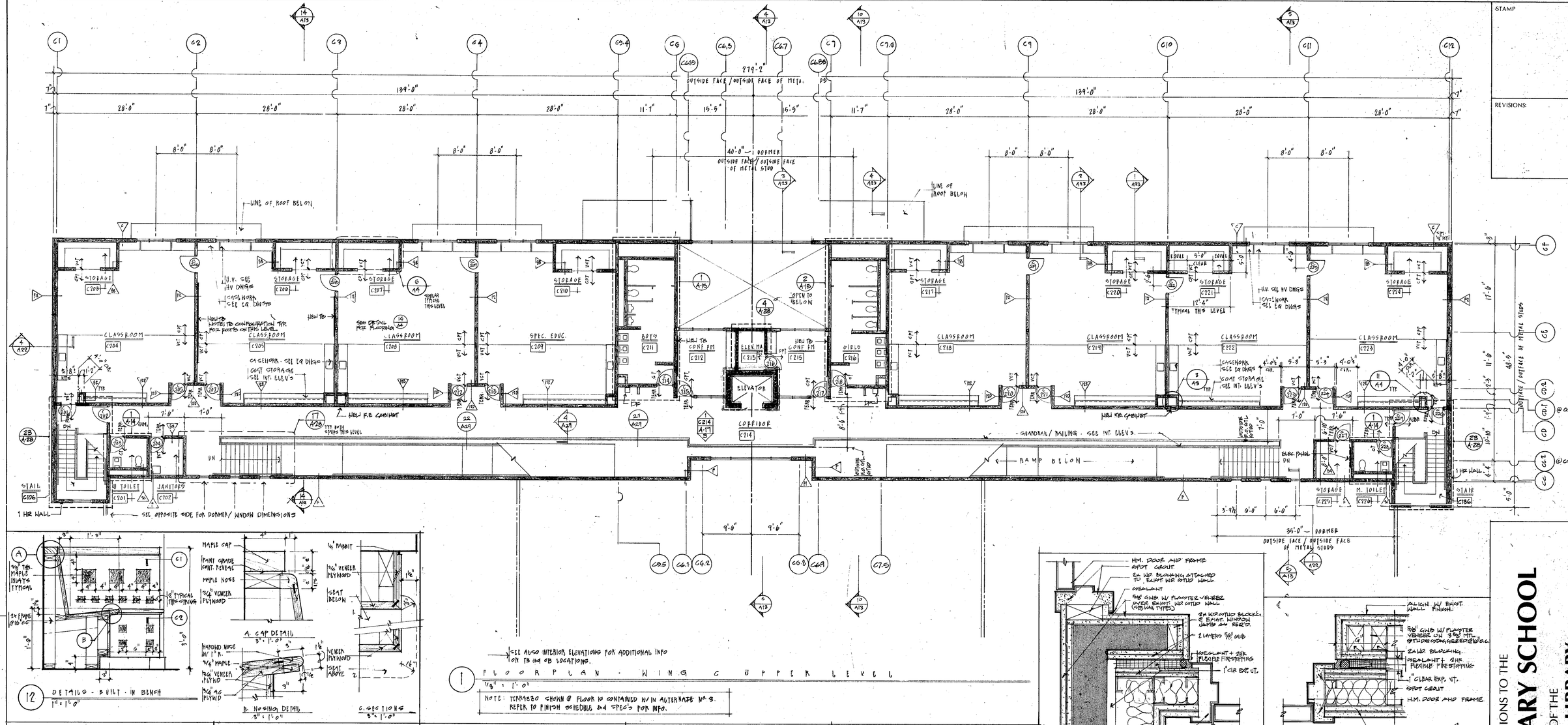
Scale: AS NOTED Job No: 9008/9109

SHEET:

A-3

STAMP

REVISIONS:



12 DETAILS - BUILT - IN BENCH
1" = 1'-0"

A. CAP DETAIL
3" = 1'-0"

B. NOSING DETAIL
3" = 1'-0"

C. SECTIONS
3" = 1'-0"

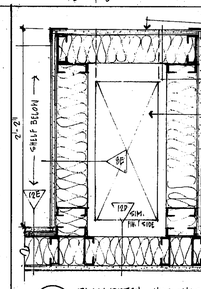
SEE ALSO INTERIOR ELEVATIONS FOR ADDITIONAL INFO ON TB and CB LOCATIONS.

1 FLOOR PLAN - WING C UPPER LEVEL
1/8" = 1'-0"

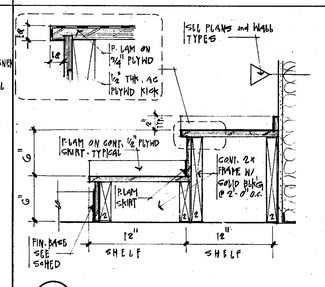
NOTE: TERRAZZO SHOWN @ FLOOR IS CONTAINED W/IN ALTERNATE No. 3. REFER TO FINISH SCHEDULE and SPEC's FOR INFO.

MARK	FRAME SIZE	FRAME DEPTH	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	REMARKS
1	6'-0" Ø		25/A30	25/A30	—	BLANK OFF PANEL
2	6'-0" Ø		20/A30	20/A30	—	
3	2'-0" x 1'-0"		24/A30	24/A30	24/A30	TRIANGULAR
4	4'-0" x 2'-0"		24/A30	24/A30	24/A30	
5	EXIST.					REPAIR AS REQ'D
6	2'-0" x 3'-0"		24/A30	24/A30	24/A30	
7	2'-8" x 3'-0"		↓	↓	↓	
8	0'-9" x 1'-6"					
9	4'-0" x 6'-0"		10/A11	10/A11	10/A11	INSIDE EDGE OF GLAZING
10	4'-0" Ø					
11	2'-8" x 2'-0"		24/A30	20/A30	24/A30	
12	2'-8" x 6'-0"		24/A30	24/A30	20/A30	

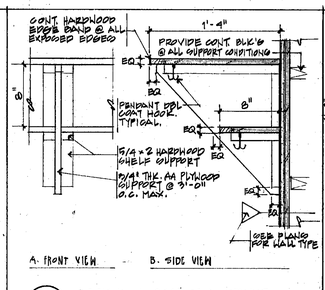
13 LOUVER SCHEDULE
NO SCALE



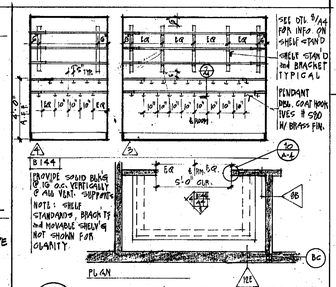
11 PLAN DETAIL - H.V. CHASE @ END CONDITION
1 1/2" = 1'-0"
CLASSROOM C209, C223



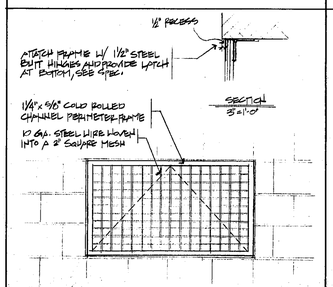
9 DETAIL - BOOT STORAGE SHELF
1 1/2" = 1'-0"



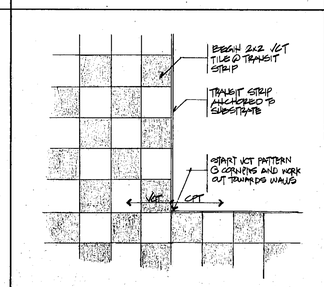
7 DETAIL - COAT STOR. SHELVES
1 1/2" = 1'-0"
NOTE: EDGE ALL EXPOSED EDGES OF WOOD.



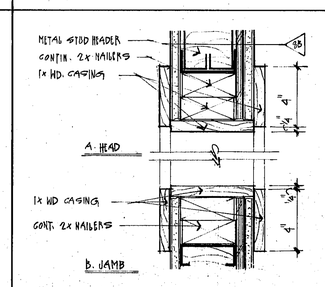
5 PLAN and INT. ELEV's - KINDERG. COAT STOR. RM.
TYPICAL



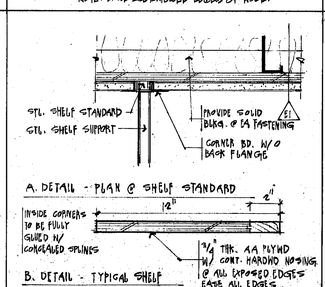
15 ELEV. AID DETAIL - GYM WINDOW GRILLES
N.T.S.



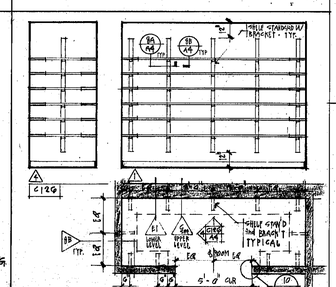
14 DETAIL - TRANSITION VCT/CPT @ CLASSROOM



10 DETAILS - HEAD and JAMB @ STORAGE RMS
3" = 1'-0"



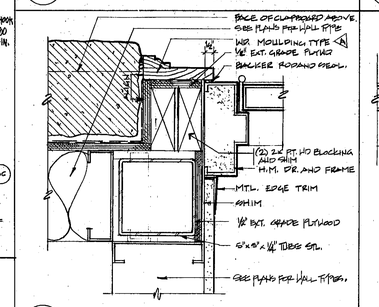
9 DETAIL - SHELF STANDARD SHELVING
3" = 1'-0"
ALL JOINTS IN SHELVING TO OCCUR @ SHELF BRACKET. PROVIDE (6) SHELF BRACKETS WHERE INDIVIDUAL SECTION'S MEET.



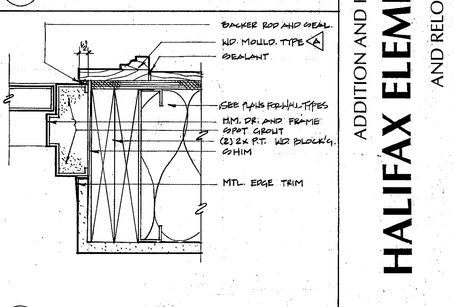
6 PLAN and INT. ELEV's - WING C STOR. RM - TYPICAL
1/4" = 1'-0"

2A JAMB DETAIL @ DOOR (B147)
3" = 1'-0" (OUTSIDE DOWN)

2 JAMB DETAIL @ DOOR (B147)
3" = 1'-0" (COM @ HEAD)



3A JAMB DETAIL @ DOOR (C157)
3" = 1'-0" (OPP HAND of DR. C114)



3 JAMB DETAIL @ DOOR (C157)
3" = 1'-0" (OPP HAND of DR. C114 (COM @ HEAD)

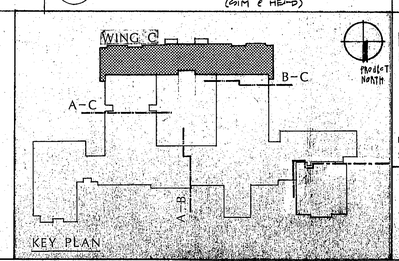
ADDITION AND RENOVATIONS TO THE

HALIFAX ELEMENTARY SCHOOL

AND RELOCATION OF THE

HALIFAX PUBLIC LIBRARY

HALIFAX, MASSACHUSETTS

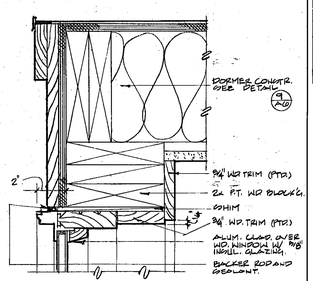


TITLE:
Wing C: Upper Level Floor Plan & Miscellaneous Details

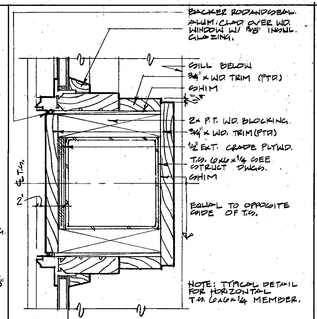
Date: SEPT. 28, 1992 Drawn By:
Scale: AS NOTED Job No.: 90087.9104

SHEET:
A-4

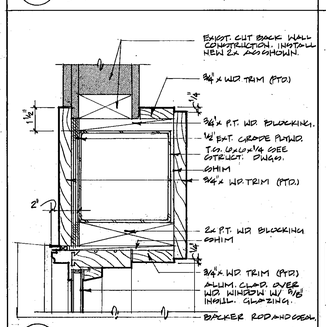
TYPOTECH



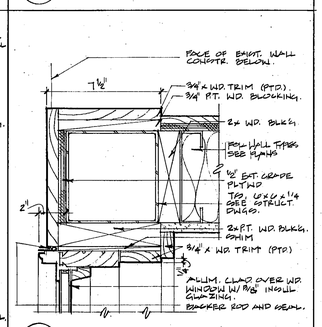
13 WINDOW HEAD DTL. @ DORM. RAKE
3"=1'-0"



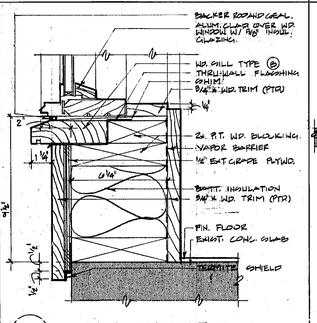
8 WINDOW CENTER SUPPORT JAMB
3"=1'-0"



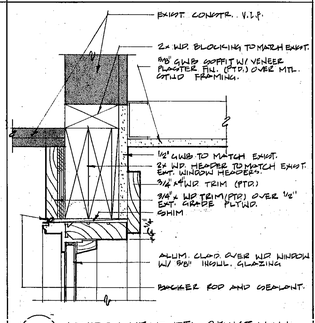
14 WINDOW JAMB & EXIST. WALL COVER
3"=1'-0"



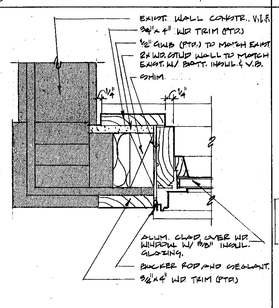
9 DORMER WALL WINDOW JAMB
3"=1'-0"



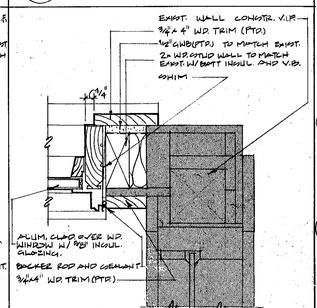
15 WINDOW SILL DETAIL
3"=1'-0"



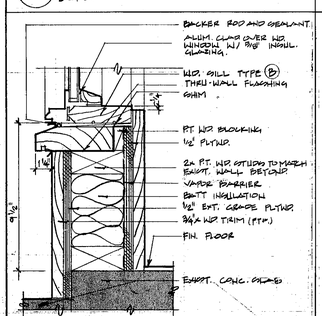
10 WINDOW HEAD DTL. @ EXIST. WALL
3"=1'-0"



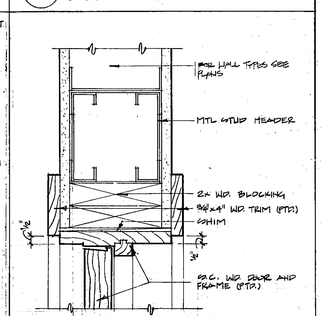
16 WINDOW JAMB DTL. @ EXIST. WALL
3"=1'-0"



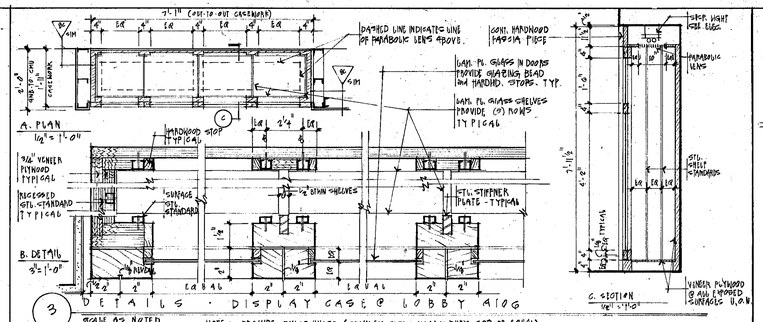
11 WINDOW JAMB DTL. @ EXIST. WALL
3"=1'-0"



17 WINDOW SILL DETAIL
3"=1'-0"



12 INTERIOR DOOR HEAD
3"=1'-0"



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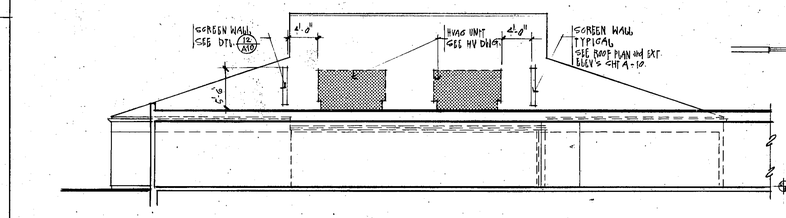
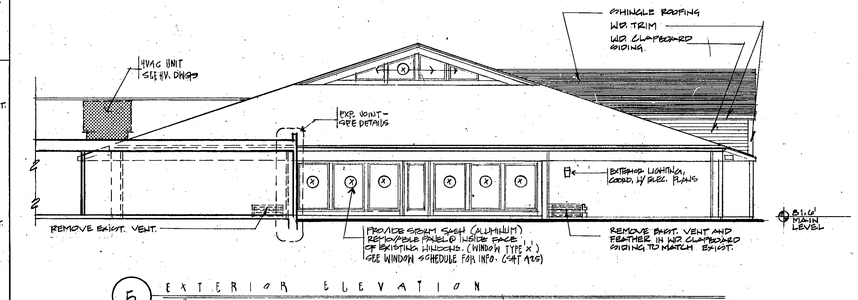
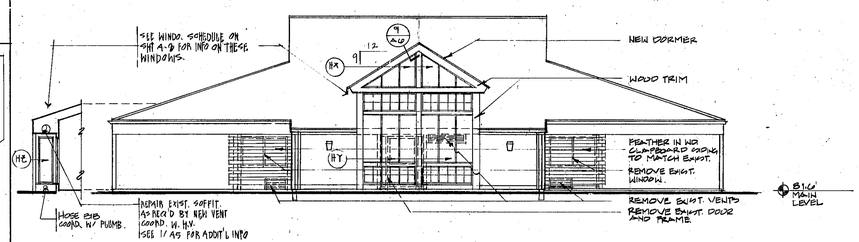


4 EXTERIOR ELEVATION
1/8" = 1'-0"

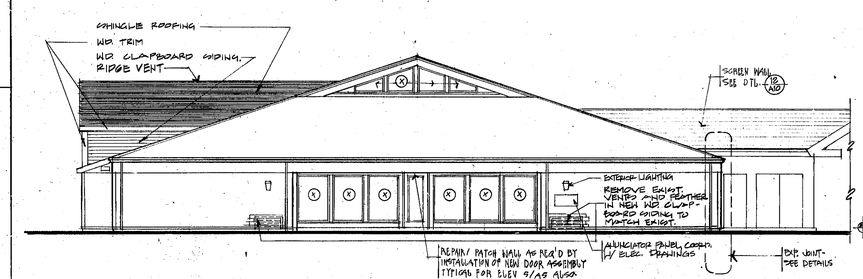


5 EXTERIOR ELEVATION
1/8" = 1'-0"

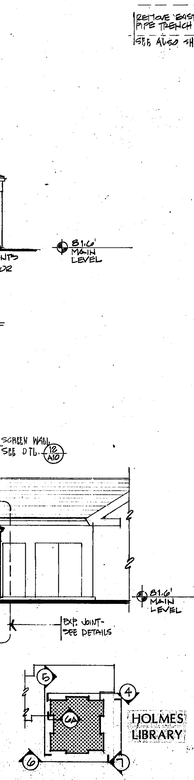


6A PARTIAL ELEVATION
1/8" = 1'-0"

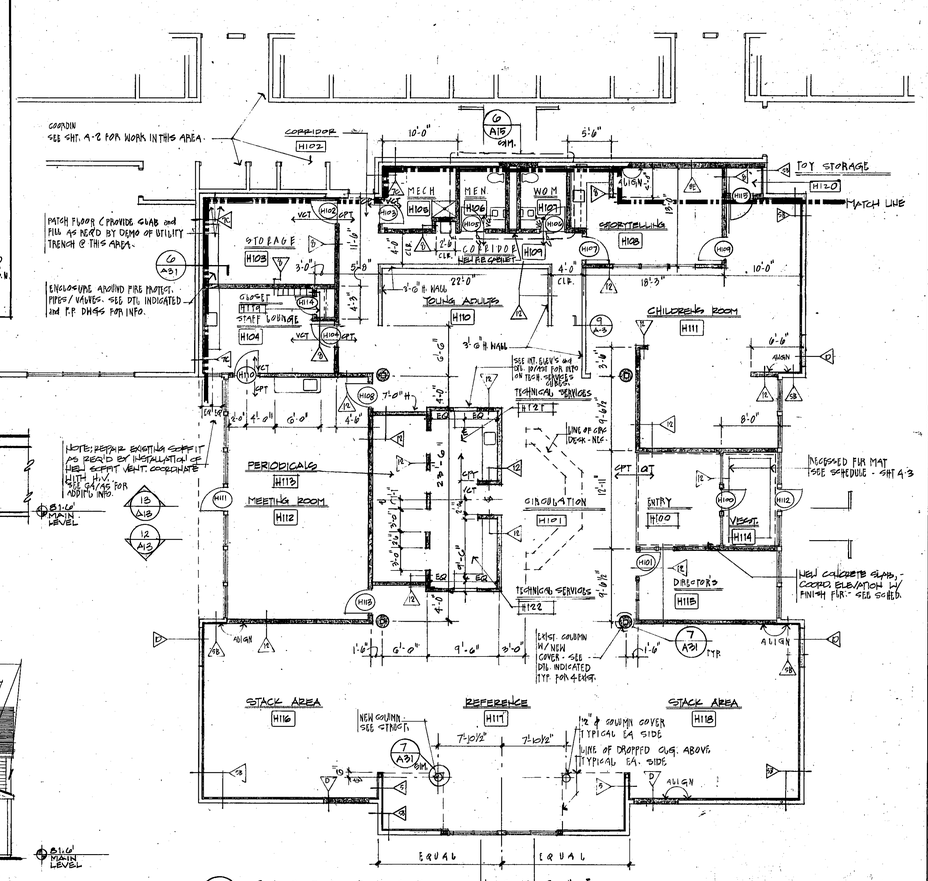
6 EXTERIOR ELEVATION
1/8" = 1'-0"



7 EXTERIOR ELEVATION
1/8" = 1'-0"

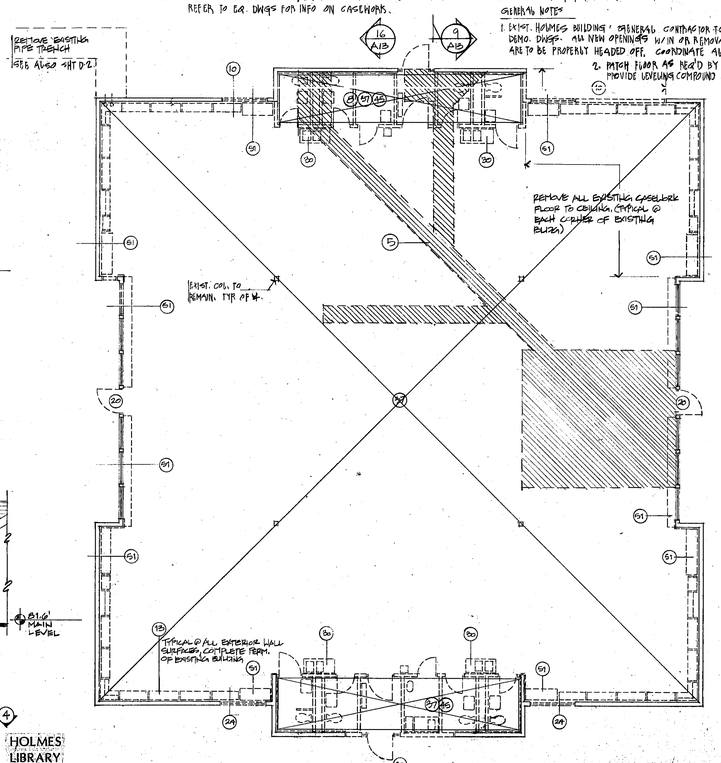


PARTIAL KEY PLAN



1 FLOOR PLAN - LAYOUT
1/8" = 1'-0"

NOTE: SEE BUILDING SECTIONS/INTERIOR ELEVATIONS FOR HEIGHTS OF ALL INTERIOR PARTITIONS
REFER TO RCP. DWGS FOR INFO ON CASEWORK.



GENERAL NOTES
1. EXIST. HOLMES BUILDING: GENERAL CONTRACTOR TO COORD. ALL WORK W/ DEMO. DWGS. ALL NEW OPENINGS W/IN AN REMOVAL OF EXIST. WALLS ARE TO BE PROPERLY HEADED OFF. COORDINATE ALSO W/ STRUCTURAL.
2. PATCH FLOOR AS REQ'D BY DEMO / TRENCHING, ETC. PROVIDE LEVELING COMPOUND AS REQ'D TO ALIGN W/ ADJACENT SURFACES

2 FLOOR PLAN - DEMOLITION HOLMES LIBRARY
1/8" = 1'-0"
NOTE: SEE SHTS D1, D2, AND D3 FOR ADDITIONAL DEMOLITION INFORMATION + DEMO. KEY

STAMP

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

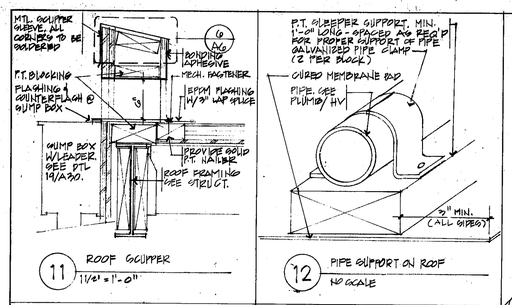
TITLE:
Holmes Library: Floor Plans, Demolition Plans, and Exterior Elevations

Date: SEPT. 23, 1992 Drawn By:
Scale: AS NOTED Job No: 9008 / 9104

SHEET:
A-8

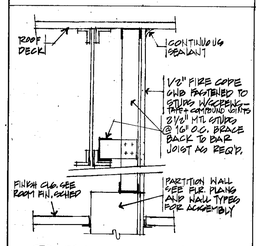
PROJECT NORTH

TYPOTECH

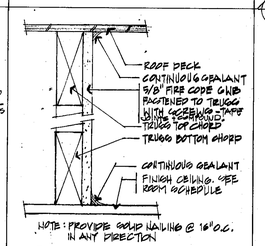


11 ROOF SCUPPER
1 1/2" = 1'-0"

12 PIPE SUPPORT ON ROOF
NO SCALE

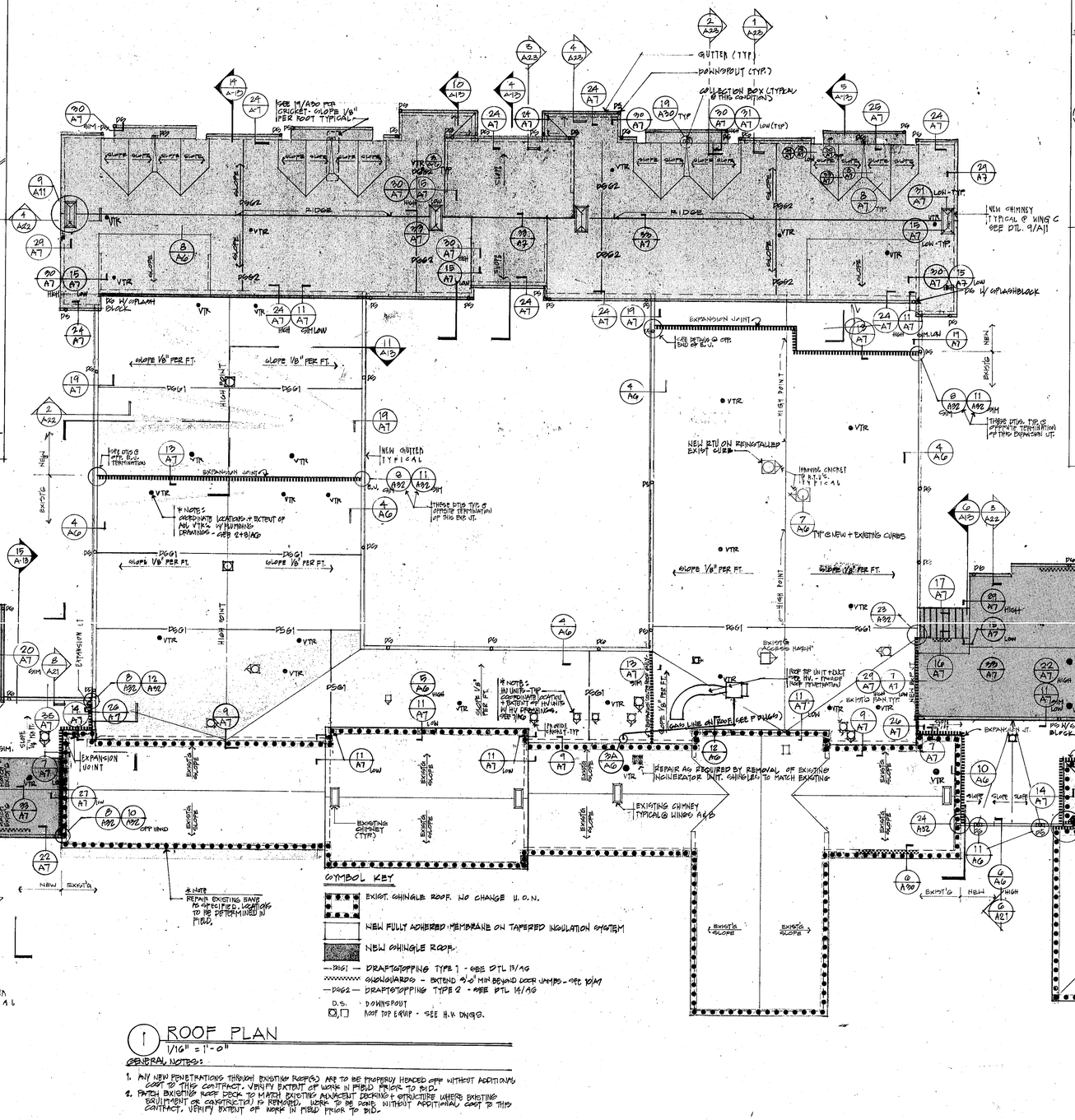


13 DRAFTSTOPPING @ BAR JOIST
1 1/2" = 1'-0"



NOTE: PROVIDE SOLID NAILING @ 16" O.C. IN ANY DIRECTION

14 DRAFTSTOPPING @ WOOD FRAME ROOF
NO SCALE



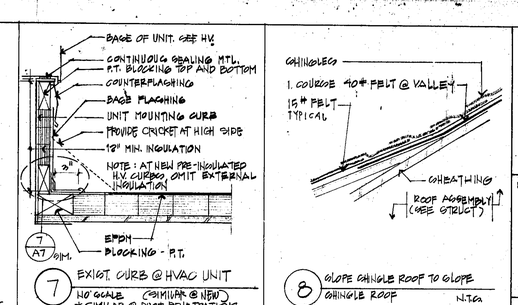
SYMBOL KEY

- EXIST. SHINGLE ROOF. NO CHANGE U.O.N.
- NEW FULLY ADHERED MEMBRANE ON TAPERED INSULATION SYSTEM
- NEW SHINGLE ROOF
- DG1 — DRAFTSTOPPING TYPE 1 - SEE DTL 13/A6
- GWB — GUARDBOARD - EXTEND 3'-0" MIN BEYOND DOOR JAMBS - SEE 10/A7
- DG2 — DRAFTSTOPPING TYPE 2 - SEE DTL 14/A6
- D.S. DOWNSPOUT
- ROOF TOP EQUIP - SEE H.V. DWGS.

1 ROOF PLAN
1/16" = 1'-0"

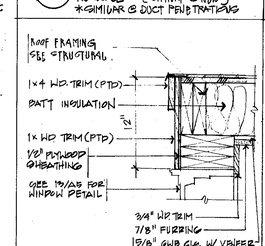
GENERAL NOTES:

1. ANY NEW PENETRATIONS THROUGH EXISTING ROOFS ARE TO BE PROPERLY FLASHED OFF WITHOUT ADDITIONAL COST TO THIS CONTRACT. VERIFY EXTENT OF WORK IN FIELD PRIOR TO BID.
2. PATCH EXISTING ROOF DECK TO MATCH EXISTING ADJACENT DECKING & STRUCTURE WHERE EXISTING EQUIPMENT OR CONSTRUCTION IS REMOVED. WORK TO BE DONE WITHOUT ADDITIONAL COST TO THIS CONTRACT. VERIFY EXTENT OF WORK IN FIELD PRIOR TO BID.

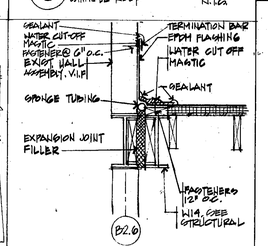


7 EXIST. CURB @ HVAC UNIT
NO SCALE (SIMILAR @ NEW) *SIMILAR @ DUCT PENETRATIONS

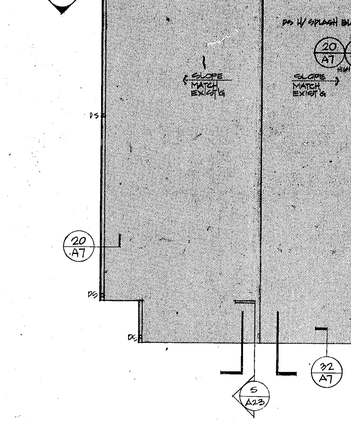
8 SLOPE SHINGLE ROOF TO SLOPE SHINGLE ROOF
N.T.S.



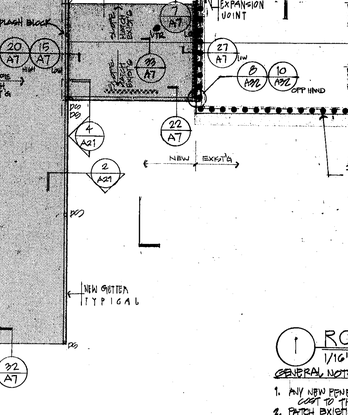
9 RAKE DETAIL @ DORMER
1 1/2" = 1'-0" (HOLMES LIBRARY)



10 FLAT ROOF TO EXIST. FLAT ROOF
3/4" = 1'-0"



6a CAP FLASHING
3"=1'-0"

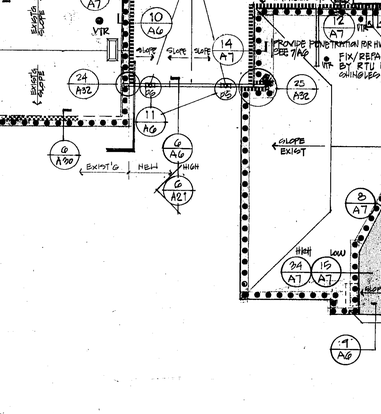


5 EAVE ASSEMBLY DETAIL
1 1/2" = 1'-0"

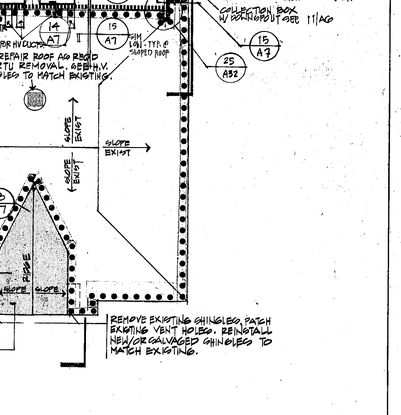
* NOTE: PROFILE TO MATCH EXISTING ASSEMBLY. REPAIR EXIST. STRUCTURE AS REQ'D FOR NEW EAVE ASSEMBLY. PROVIDE NEW PRE-FINISHED ALUM. DRIP EDGE AS REQ'D. REPAIR / REPLACE SHINGLES AS REQ'D. NEW SHINGLES TO MATCH EXIST.

4 GUTTER @ FLAT ROOF SECTION - SHOWING EXISTING ROOF COMP
3"=1'-0"

3A POURABLE SEALER POCKET



3 VENT FLASHING
NO SCALE



2 VENT-PIPE FLASHING
3"=1'-0"

TYPOTECH

STAMP

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE

HALIFAX ELEMENTARY SCHOOL

AND RELOCATION OF THE

HALIFAX PUBLIC LIBRARY

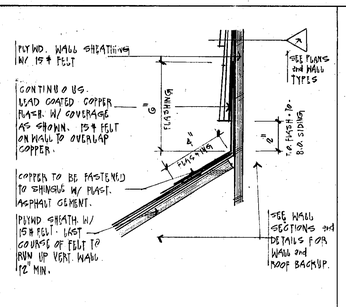
HALIFAX, MASSACHUSETTS

TITLE:
Roof Plan & Details

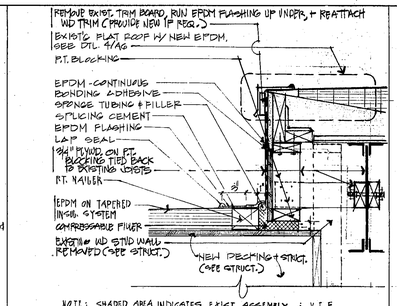
Date: SEPT. 23, 1992 Drawn By:
Scale: AS NOTED Job No: 9006/9104

SHEET:

A-6

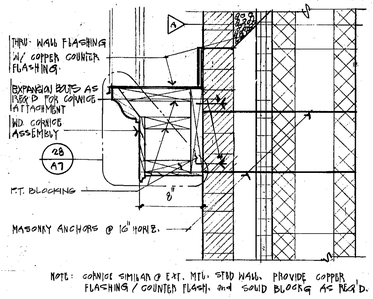


3' DETAIL · TYP. FLASHING @ WALL TO SHINGLE ROOF
3" = 1'-0"



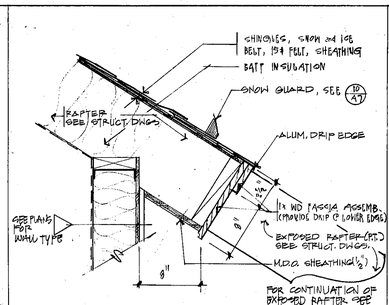
NOTE: SHADED AREA INDICATES EXIST. ASSEMBLY : V.I.F.

26 EXPANSION JOINT @ DECK TO WALL
1½" = 1'-0"

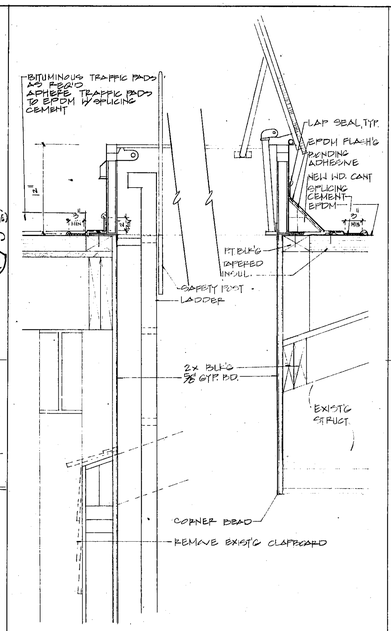


NOTE: CORNICE SIMILAR @ EXT. MTL. STUD WALL. PROVIDE COPPER FLASHING / COUNTER FLASH. and SOLID BLOCKING AS REQ'D.

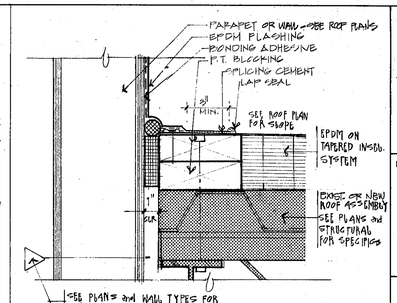
21 DETAIL · ROOF CORNICE @ GYM GABLE WALL
1½" = 1'-0" NOTE: SEE EXTERIOR ELEV'S FOR LENGTHS REQ'D



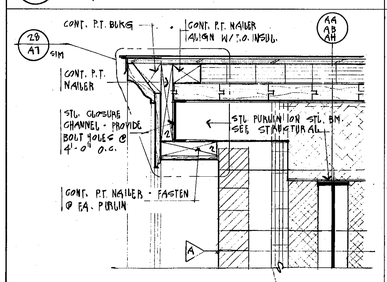
16 DETAIL · CLOSURE @ OPEN RAFTER · WING B
1½" = 1'-0"



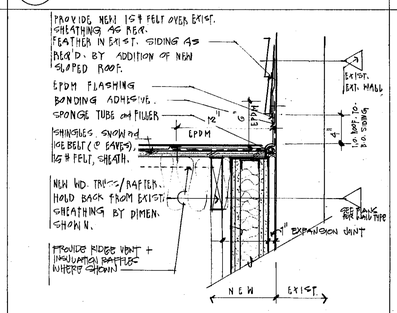
12 NEW ROOF HATCH
1½" = 1'-0"



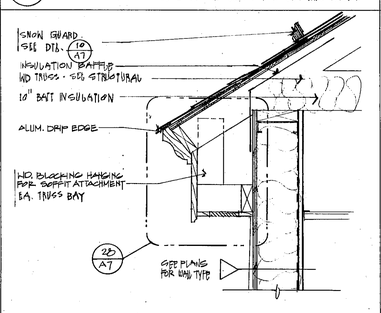
7 BASE FLASHING Expansion joint shown *
3" = 1'-0" * DELETE EXPANSION JOINT WHERE NOT SHOWN



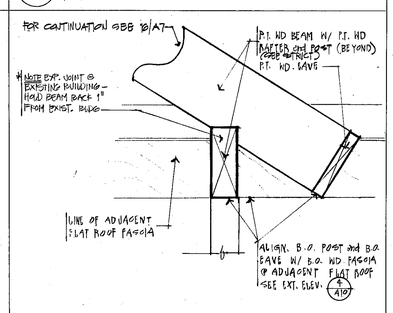
32 DETAIL · RAKE @ GYM ROOF
1½" = 1'-0"



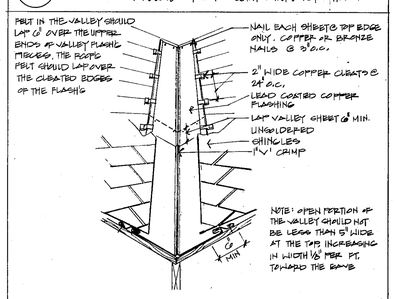
27 DETAIL · EXPANSION JT · NEW SLOPED ROOF TO EXIST. WALL
1½" = 1'-0"



22 EAVE DETAIL @ WING A LOBBY
WING B - KINDERGARTEN
1½" = 1'-0"



17 DETAIL @ EXPOSED RAFTER
1½" = 1'-0"



8 OPEN-VALLEY FLASHING
NO SCALE

33 DETAIL · RIDGE VENT @ SHINGLE ROOF
1½" = 1'-0"

20 TYPICAL EAVE PROFILE
3/4" = 1'-0"

23 LOW EAVE DETAIL @ KINDERGARTEN
1½" = 1'-0"

BUILDING LOCATION	WIDTH "W"
WING A - GYMNASIUM	9"
GYM. LOBBY SLOPED	9"
WING B KINDERG. SLOPED	8"
WING C SLOPED	7"

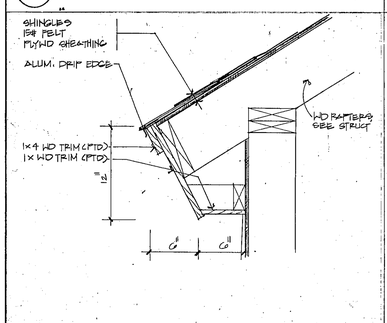
SEE DTL. 19/A7 FOR GUTTER CONDITION @ FLAT ROOFS.

NOTE: ALL DOWNSPOUTS TO BE 4" ø 'ROUND PROFILE' MATL TO MATCH GUTTER ASSEMBLY

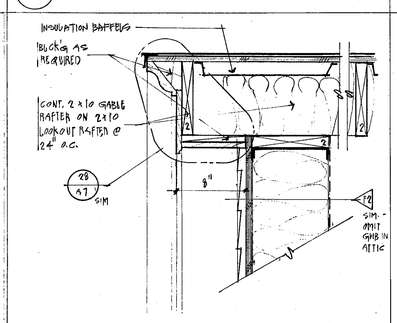
18 DETAIL · TYPICAL GUTTER and DOWNSPOUT @ SLOPED ROOF
3/4" = 1'-0"

13 DETAIL · EXPANSION JOINT @ NEW FLAT ROOF TO EXIST FLAT ROOF
1½" = 1'-0"

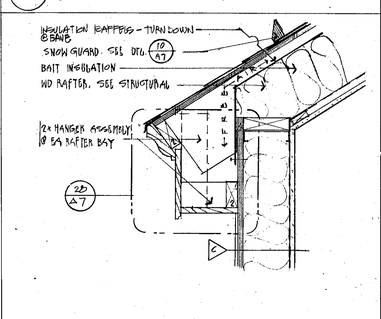
9 EXIST'G SHINGLE TO FLAT EPDM
3/4" = 1'-0"



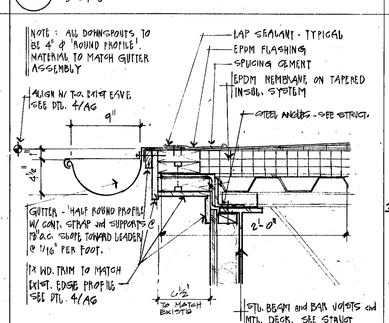
34 EAVE DETAIL @ DORMER - HOLMES LIBRARY
1½" = 1'-0"



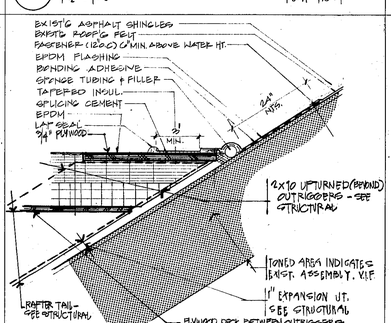
29 DETAIL · RAKE @ WING C
1½" = 1'-0" WING B SIMILAR - 2x LOOKOUT RAFTERS and 2x TRUSS C.



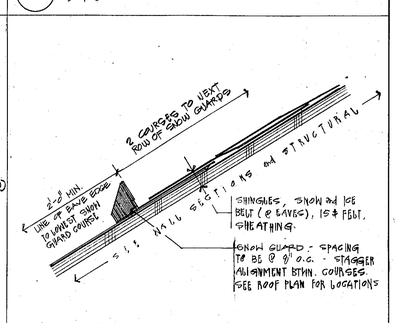
24 EAVE DETAIL @ WING C CLASSROOM
1½" = 1'-0"



19 DETAIL · GUTTER and EDGE CONDITION @ NEW FLAT ROOF
1½" = 1'-0"



14 DETAIL · EXPANSION JT. @ FLAT ROOF TO EXIST SLOPED ROOF
1½" = 1'-0"



10 SNOW GUARD @ SHINGLES ROOF
3/4" = 1'-0"

35 DETAIL · EDGE CONDITION @ EXT. WALL (CONC. W. AT 3)
1½" = 1'-0"

30 RAKE DETAIL @ WING C DORMER
1½" = 1'-0"

25 DETAIL · LOW ROOF @ WING C
1½" = 1'-0"

20 DETAIL · EAVE @ GYM
1½" = 1'-0"

15 DETAIL · STEP FLASHING @ SLOPED ROOF
NO SCALE

REMOVE EXISTING BALLAST AND CAP INSULATION. SEE DEMO DWGS.

11 FLAT ROOF IN/WALL FLASHING
3/4" = 1'-0"

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

STAMP

REVISIONS:

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Roof: Miscellaneous Details

Date: Sept. 23, 1992 Drawn By:
Scale: AS NOTED Job No: 9008/9108

SHEET:
A7.1

TYPOTECH

ROOM FINISH SCHEDULE • HOLMES LIBRARY

REFER TO SHT. A-27 FOR ROOM FINISH SCHEDULE WINGS A, B, AND C.

ROOM NO.	ROOM NAME	FLOOR Mat'l	FLOOR Finish	WALLS No. 1 Mat'l	WALLS No. 1 Finish	WALLS No. 2 Mat'l	WALLS No. 2 Finish	WALLS No. 3 Mat'l	WALLS No. 3 Finish	WALLS No. 4 Mat'l	WALLS No. 4 Finish	BASE Mat'l	BASE Finish	CEILING Mat'l	CEILING Finish	CEILING Hgt.	Dtl.	COMMENTS
H100	ENTRY	QT	-	GWB	PTD	GWB	PTD	GWB	PTD	-	-	QT	-	WD	PDLY	EXIST±		
H101	CIRCULATION	CPT	-	-	-	GWB	PTD	-	-	GWB	PTD	VCB	-	WD	PDLY	EXIST±		
H102	CORRIDOR	CPT	-	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	-	GWB	PTD	7'-8"		
H103	STORAGE	VCT	-	EXIST	PTD	GWB	PTD	GWB	PTD	EXIST	PTD	VCB	-	2×4 ACT	-	EXIST		
H104	STAFF LOUNGE	VCT	-	GWB	PTD	GWB	PTD	GWB	PTD	EXIST	PTD	VCB	-	2×4 ACT	-	EXIST		
H105	MECH. ROOM	VCT	-	EXIST/GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	-	2×4 ACT	-	7'-2"±		HEIGHT TO STRUCTURE
H106	MEDIA ROOM	CPT	-	GT	-	CT	-	CT	-	CT	-	CT	-	GWB	PTD	VARIES		HEIGHT TO STRUCTURE
H107	MECH. ROOM	VCT	-	CT	-	CT	-	CT	-	CT	-	CT	-	GWB	PTD	VARIES		HEIGHT TO STRUCTURE
H108	STORYTELLING	CPT/VCT	-	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	-	GWB/WD	PT/PDLY	7'-2" EXIST		
H109	CORRIDOR	CPT	-	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	-	GWB	GWM	7'-8"		
H110	YOUNG ADULTS	CPT	-	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	-	WD	PDLY	EXIST		
H111	GALLOWAY RM.	CPT	-	EXIST/GWB	PTD	EXIST/GWB	PTD	GWB	PTD	GWB	PTD	VCB	-	WD	PDLY	EXIST		
H112	MEETING RM.	CPT	-	GWB	PTD	EXIST/GWB	PTD	GWB	PTD	EXIST	PTD	VCB	-	WD	PDLY	EXIST		-
H113	PERIODICALS	CPT	-	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	-	WD	PDLY	EXIST		
H114	VESTIBULE	FLR MT/QT	-	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	-	WD	PDLY	EXIST		
H115	DIRECT. OFFICE	CPT	-	EXIST	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	-	WD	PDLY	EXIST		
H116	STACK AREA	CPT	-	EXIST/GWB	PTD	EXIST/GWB	PTD	EXIST/GWB	PTD	EXIST	PTD	VCB	-	WD	PDLY	EXIST		
H117	REFERENCE	CPT	-	-	-	EXIST	PTD	EXIST/GWB	PTD	EXIST	PTD	VCB	-	WD	PDLY	EXIST		
H118	STACK AREA	CPT	-	EXIST/GWB	PTD	EXIST	PTD	EXIST/GWB	PTD	EXIST	PTD	VCB	-	WD	PDLY	EXIST		
H119	CLOSET	CPT	-	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	-	ACT	-	8'-2"		
H120	CLOSET	CPT	-	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	-	ACT	-	7'-2"		
H121	TECHNICAL SERVICE	CPT/VCT	-	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	-	WD	PDLY	EXIST		
H122	TECHNICAL SERVICE	CPT	-	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	-	WD	PDLY	EXIST		

NOTE: REFER TO SHT. A-27, ROOM FINISH SCHEDULE, WING A, B, & C FOR GENERAL NOTES AND CEILING TYPES

DOOR SCHEDULE • HOLMES LIBRARY

REFER TO SHT. A-24 FOR DOOR SCHEDULE, WINGS A, B, C, AND DOOR ELEVATIONS.

Door No.	DOOR From Rm.	DOOR To Rm.	Type	Mat'l	Width	Hgt.	Thkns.	Label	Louver W	Louver H	Glass	Hardware Set	FRAME Label	FRAME Type	FRAME Mat'l	DETAILS Jamb	DETAILS Head	DETAILS Sill	REMARKS
H100	H100	H114	C	SC. WD	3'-0"	6'-8"	1¾"	—	—	—	TEMP		—	A	WOOD	3"=0	16"=0	—	
H101	H101	H115	C	SC. WD	3'-0"	6'-8"	1¾"	—	—	—	TEMP		—	A	WOOD	3"=0	16"=0	3"=0	
H102	H102	H103	K.	SC. WD.	3'-0"	6'-8"	1¾"	—	2'-0"	1'-0"	—		—	B	H.M.	16"=0	16"=0	8"=0	
H103	H102	H118	K.	SC. WD.	3'-0"	6'-8"	1¾"	—	2'-0"	1'-0"	—		—	B	H.M.	16"=0	16"=0	8"=0	
H104	H104	H110	C	SC. WD	3'-0	6'-8	1¾"	—	—	—	—		—	B	H.M.	16"=0	16"=0	8"=0	
H105	H103	H106	K.	SC. WD	3'-0"	6'-8"	1¾"	—	2'-0"	1'-0"	—		—	B	H.M.	16"=0	16"=0	8"=0	
H106	H106	H107	K.	SC. WD	3'-0"	6'-8"	1¾"	—	2'-0"	1'-0"	—		—	B	H.M.	16"=0	16"=0	8"=0	
H107	H109	H108	C.	SC. WD	3'-0"	6'-8"	1¾"	—	—	—	TEMP		—	B	H.M.	16"=0	16"=0	8"=0	
H108	H110	H112	C.	SC. WD	3'-0"	6'-8"	1¾"	—	—	—	TEMP		—	B	H.M.	16"=0	16"=0	8"=0	
H109	H111	H108	C.	SC. WD	3'-0"	6'-8"	1¾"	—	—	—	TEMP		—	B	H.M.	16"=0	16"=0	8"=0	
H110	H112	H104	C.	SC. WD	3'-0"	6'-8"	1¾"	—	—	—	—		—	B	H.M.	16"=0	16"=0	8"=0	
H111	H112	EXT.	C.	SC. WD	3'-0"	6'-8"	1¾"	—	—	—	TEMP		—	B	H.D.	16"=0	SEE SHT	8"=0	
H112	H114	EXT.	C.	SC. WD	3'-0"	6'-8"	1¾"	—	—	—	TEMP		—	B	H.D.	16"=0	SEE SHT	8"=0	
H113	H117	H117	C.	SC. WD	3'-0"	6'-8"	1¾"	—	—	—	—		—	B	H.M.	16"=0	16"=0	8"=0	
H114	H120	H104	C.	SC. WD.	3'-0"	6'-8"	1¾"	—	—	—	—		—	B	H.M.	16"=0	16"=0	8"=0	
H115	-	H111	-	SC. WD	3'-0"	6'-8"	1¾"	—	—	—	—		—	B	H.M.	16"=0	16"=0	8"=0	

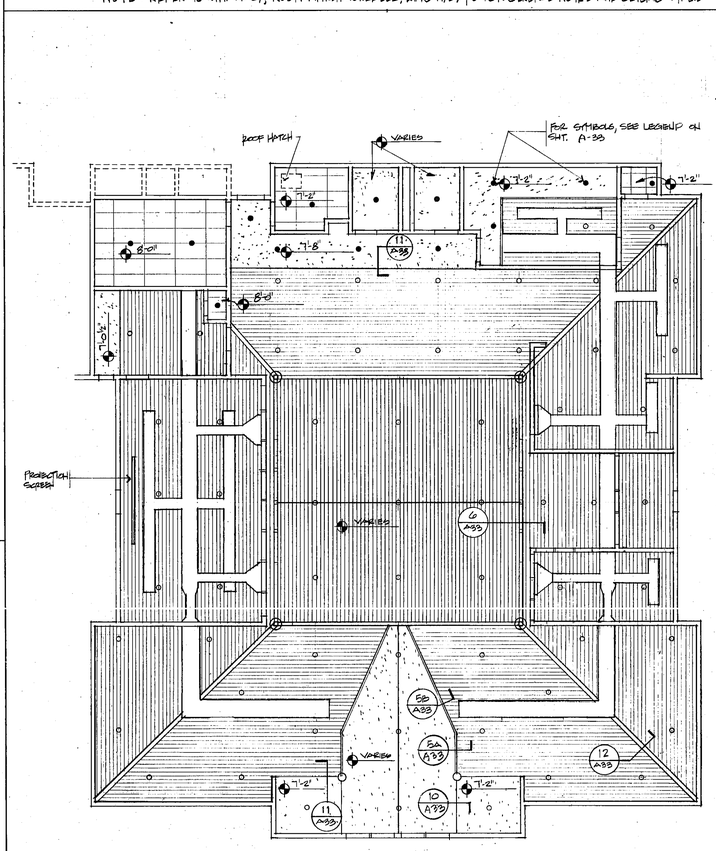
WINDOW SCHEDULE • HOLMES LIBRARY

MARK	FRAME SIZE Width	FRAME SIZE Height	TYPE	OPERATION	DETAILS Head	DETAILS Jamb	DETAILS Sill	DETAILS Mullion	GLAZING TYPE	COMMENTS
HX	7'-1"	4'-0"	ALUM. CLAD	FIXED	8/A8	8/A8	8/A8	21/A2.6	5/8" INSUL.	
HY	7'-1"	12'-0"	ALUM. CLAD	FIXED	8/A8	8/A8, 9/A8, 19/A8	18/A8	21/A2.6, 5/A2.5	5/8" INSUL.	
HZ	1'-11"	15'-11½"	ALUM. CLAD	FIXED	9 5/8/A9	11/A8, 18/A8	11/A8	—	5/8" INSUL.	

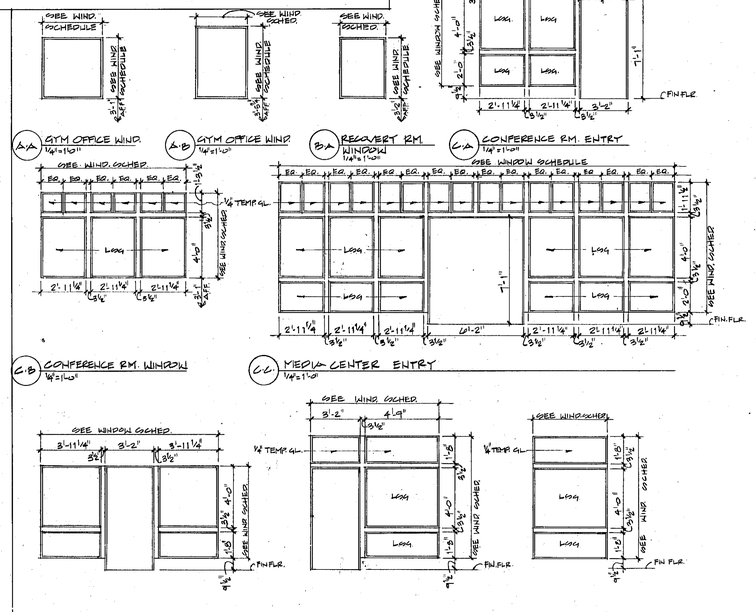
NOTE: REFER TO SHT. A25 FOR WINDOW SCHEDULE WING A, B, AND C.

INTERIOR WINDOW SCHEDULE • HOLMES LIBRARY and WINGS A, B, and C

MARK	FRAME SIZE Width	FRAME SIZE Height	TYPE	OPERATION	DETAILS Head	DETAILS Jamb	DETAILS Sill	DETAILS Mullion	GLAZING TYPE	COMMENTS
A-A	4'-0"	4'-0"	WOOD	FIXED	1/A6	1/A6	1/A6	—	LAM.	
A-B	3'-1"	41 4/16"	WOOD	FIXED	7/A6	9/A6	8/A6	—	1/4" TEMP.	
B-A	8'-0"	4'-0"	WOOD	FIXED	1/A6	1/A6	1/A6	—	1/4" TEMP.	
C-A	9'-7 1/8"	7'-10½"	WOOD	FIXED	1/A6	8/A6, 9/A6, 8/A6	8/A6	8/A6	SEE ELEV. THICK.	
C-B	9'-4 9/16"	5'-1"	WOOD	FIXED	1/A6	1/A6, 8/A6	8/A6	8/A6	SEE ELEV. THICK.	
C-C	29'-0 1/2"	8'-0 1/2"	WOOD	FIXED	1/A6	1/A6, 8/A6, 8/A6	8/A6	8/A6	SEE ELEV. THICK.	
H-A	11'-7 1/2"	5'-11 1/2"	WOOD	FIXED	1/A6	8/A6, 1/A6	8/A6	8/A6	LAM.	
H-B	5'-2 1/8"	7'-11"	WOOD	FIXED	1/A6	8/A6, 1/A6, 8/A6	8/A6	8/A6	SEE ELEV. THICK.	
H-C	41'-9"	7'-11"	WOOD	FIXED	1/A6	1/A6, 8/A6	8/A6	8/A6	SEE ELEV. THICK.	
H-D	11'-5 1/2"	5'-11 1/2"	WOOD	FIXED	1/A6	1/A6, 1/A6	8/A6	8/A6	LAM.	
H-E	3'-0"	3'-0"	WOOD	FIXED	19/A33	19/A33	19/A33	—	1/4" TEMP.	
H-F	151'-7 1/2"	5'-7 1/2"	WOOD	FIXED	1/A6	1/A6, 8/A6	1/A6	—	1/4" TEMP.	



10. REFLECTED CEILING PLAN (HOLMES LIBRARY)
1/8" = 1'-0"
REFER TO REFLECTED CEILING PLAN - WING C LOWER LEVEL FOR REFLECTED CEILING PLAN SYMBOLS & N


SEE WIND. SCHEDULE
SEE WIND SCHED.
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ADDITION AND RENOVATIONS TO THE

HALIFAX ELEMENTARY SCHOOL

AND RELOCATION OF THE

HALIFAX PUBLIC LIBRARY

HALIFAX, MASSACHUSETTS

TITLE: **Wing A: Exterior Elevations**

Date: Sept. 23, 1992 Drawn By:

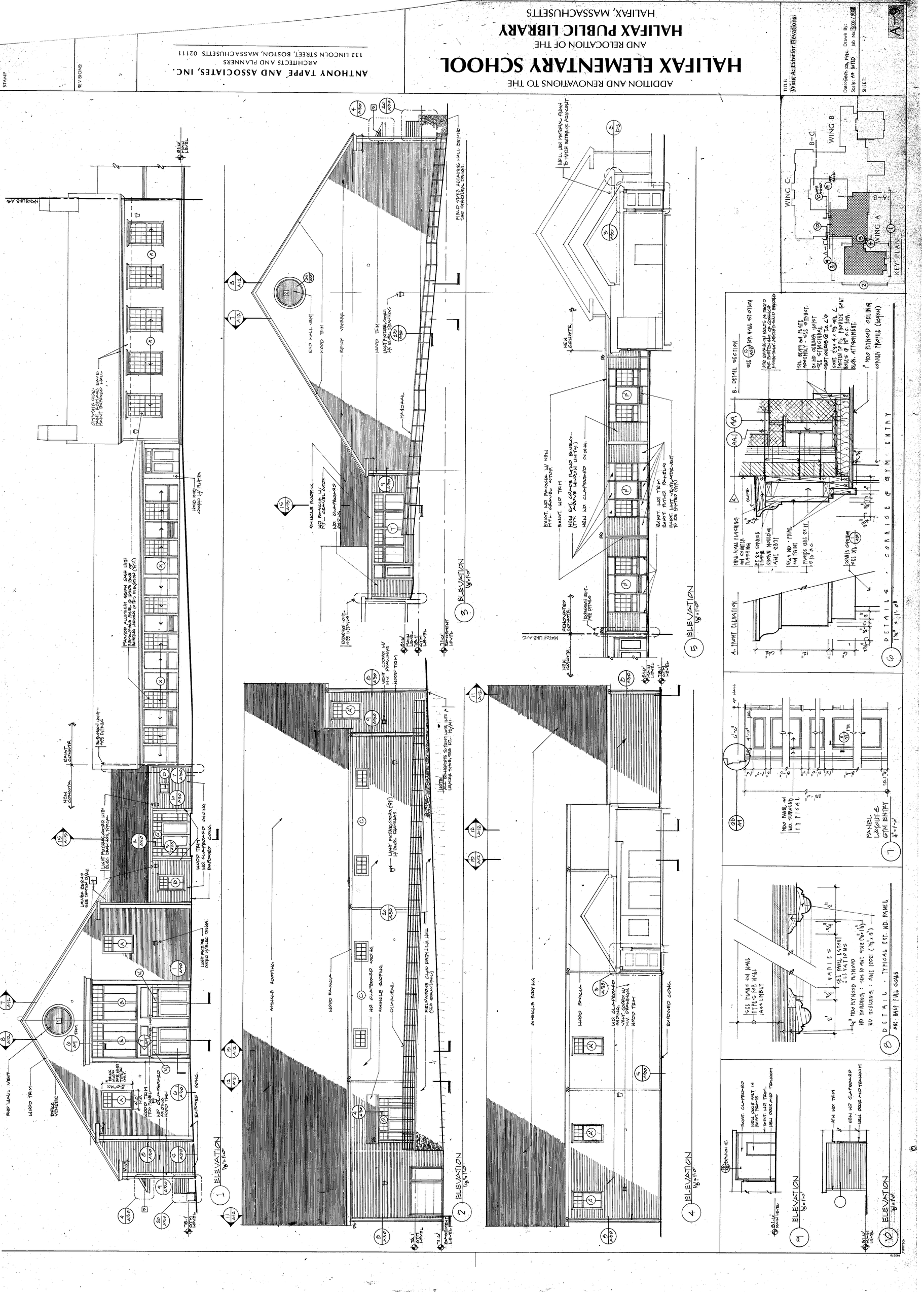
Scale: 1/8" = 1'-0" Job No.: 9208/9209

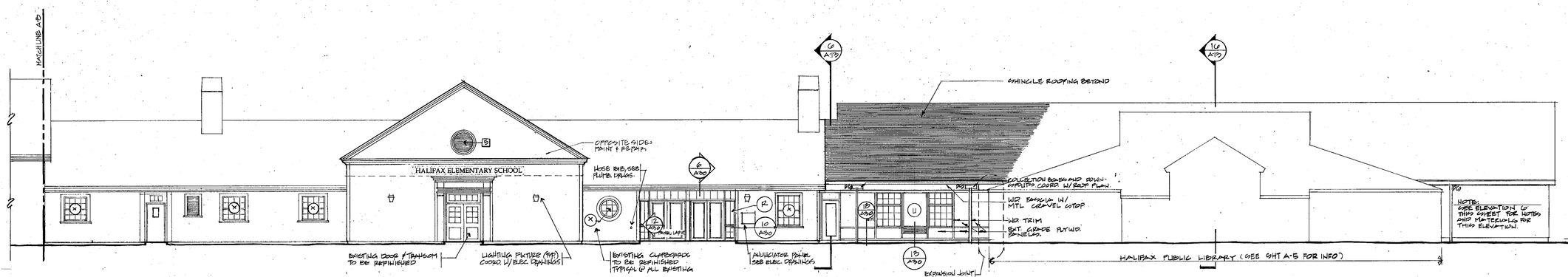
SHEET: **A-8**

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

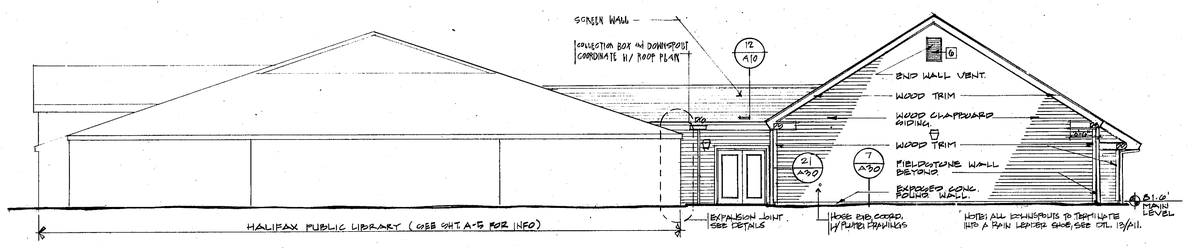
REVISIONS

STAMP

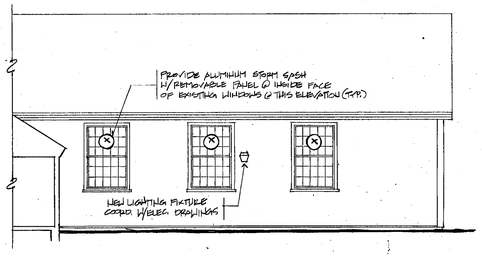

1 ELEVATION 1/8"=1'-0"
2 ELEVATION 1/8"=1'-0"
3 ELEVATION 1/8"=1'-0"
4 ELEVATION 1/8"=1'-0"
5 ELEVATION 1/8"=1'-0"
9 ELEVATION 1/8"=1'-0"
10 ELEVATION 1/8"=1'-0"
KEY PLAN
WING A
WING B
WING C
A-B
B-C
A-C
B. DETAIL SECTION
A. PART ELEVATION
DETAILS - CORNICE @ GYM ENTRY 1"=1'-0"
PANEL LAYOUT @ GYM ENTRY 1/2"=1'-0"
DETAIL - TYPICAL EXT. WD. PANEL 1"=1'-0"
EXIST. WD CLAPBOARD
NEW WD TRIM
NEW DOOR AND TRANSOM
EXIST. WD TRIM
NEW CLAPBOARD TO MATCH EXIST.
NEW WD. CLAPBOARD
NEW WD TRIM
NEW DOOR AND TRANSOM
NEW CONCRETE
EXIST. WD TRIM
EXIST. PAINTED PANELING
NEW WD



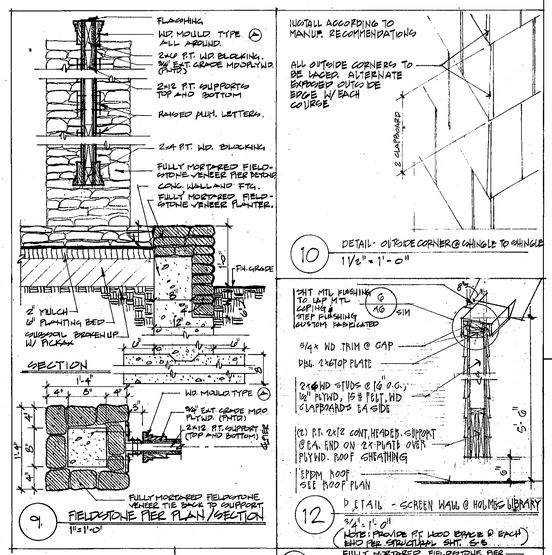
1 ELEVATION (EXISTING CONSTRUCTION - NEW CONSTRUCTION)
1/8" = 1'-0"



2 ELEVATION (EXISTING CONSTRUCTION - NEW CONSTRUCTION)
1/8" = 1'-0"



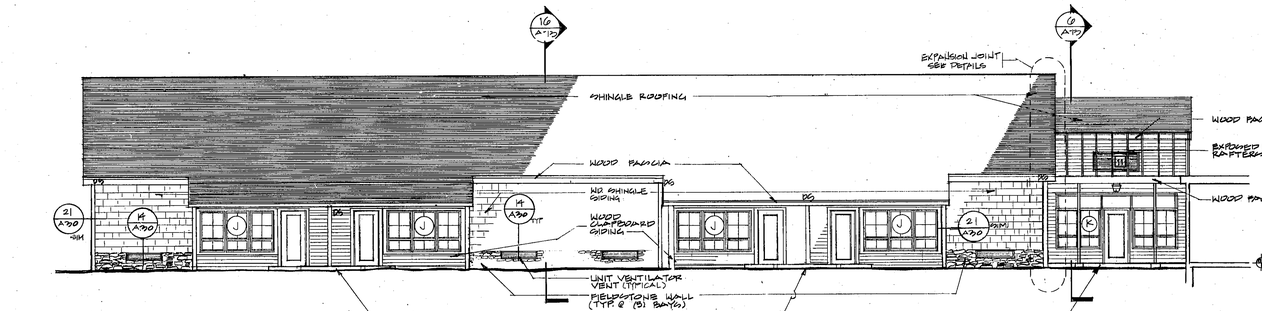
3 ELEVATION (EXISTING CONSTRUCTION)
1/8" = 1'-0"



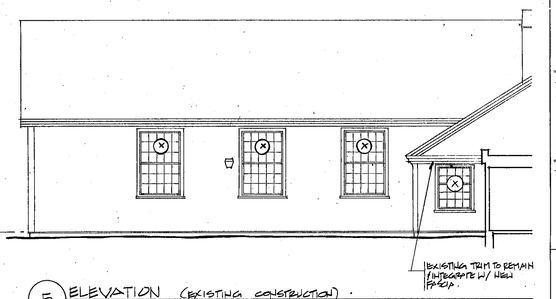
9 FIELDSTONE PIER PLAN/SECTION
1" = 1'-0"

10 DETAIL - OUTSIDE CORNER @ SHINGLE TO SHINGLE
1 1/2" = 1'-0"

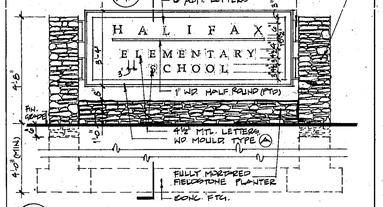
12 DETAIL - SCREEN WALL @ HOLMES LIBRARY
3/4" = 1'-0"
NOTE: PROVIDE PT WOOD BLOCK @ EACH END PER STRUCTURAL SHT. S-5



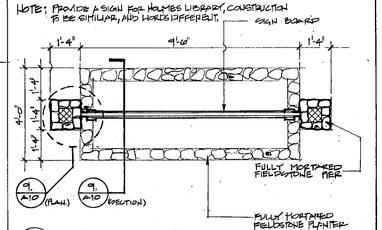
4 ELEVATION (EXISTING CONSTRUCTION - NEW CONSTRUCTION)
1/8" = 1'-0"



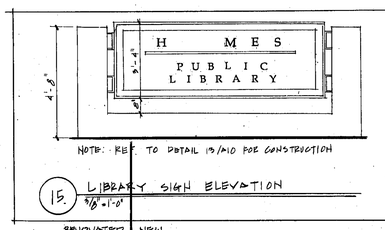
5 ELEVATION (EXISTING CONSTRUCTION)
1/8" = 1'-0"



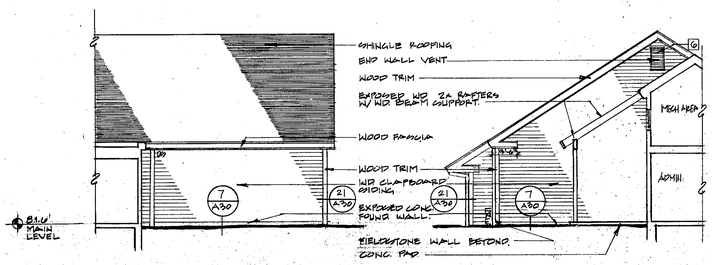
13 SCHOOL SIGN ELEVATION
3/8" = 1'-0"
(OPP. SIDE EQUAL)



14 SCHOOL SIGN PLAN
3/8" = 1'-0"

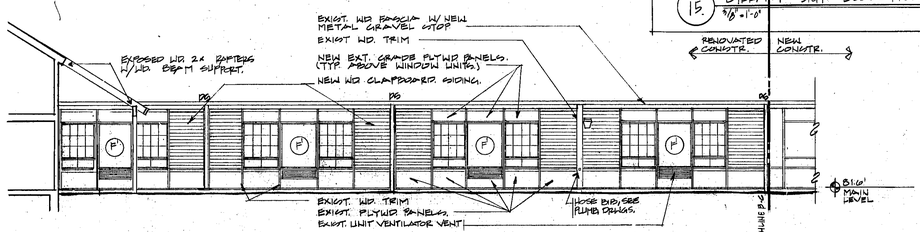


15 LIBRARY SIGN ELEVATION
3/8" = 1'-0"

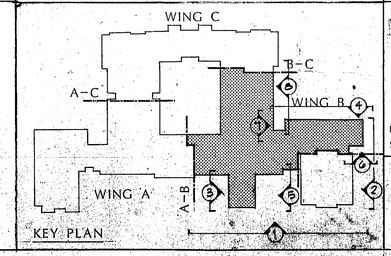


10 ELEVATION (NEW CONSTRUCTION)
1/8" = 1'-0"

7 ELEVATION (NEW CONSTRUCTION)
1/8" = 1'-0"



8 ELEVATION (EXISTING CONSTRUCTION)
1/8" = 1'-0"



STAMP

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

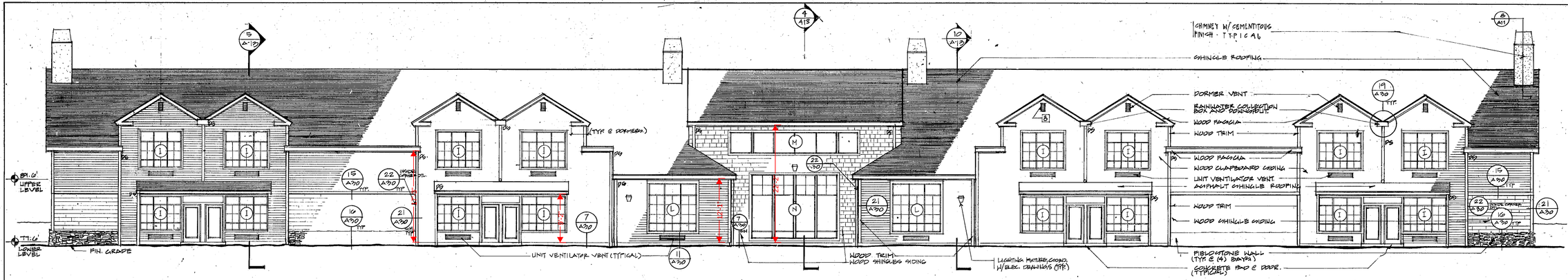
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing B- Exterior Elevations and Miscellaneous Details

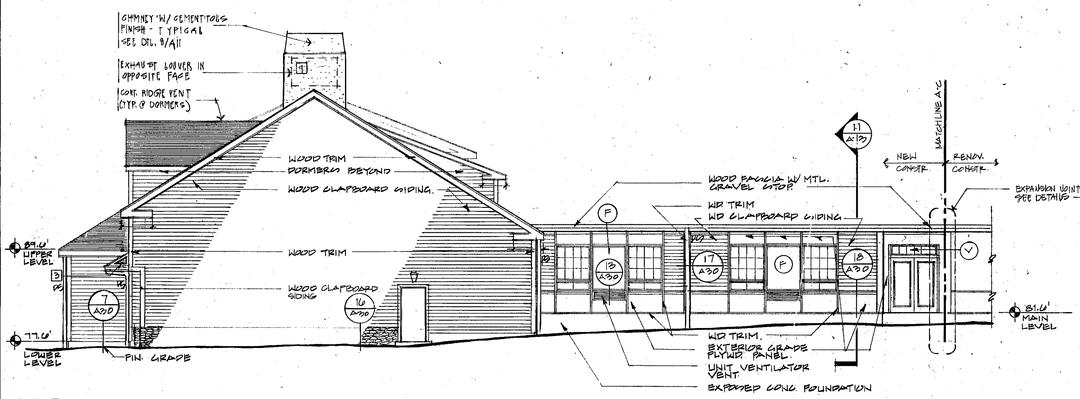
Date: Sept. 29, 1992 Drawn By:
Scale: AS NOTED Job No: 9008.7/9108

SHEET:
A-10

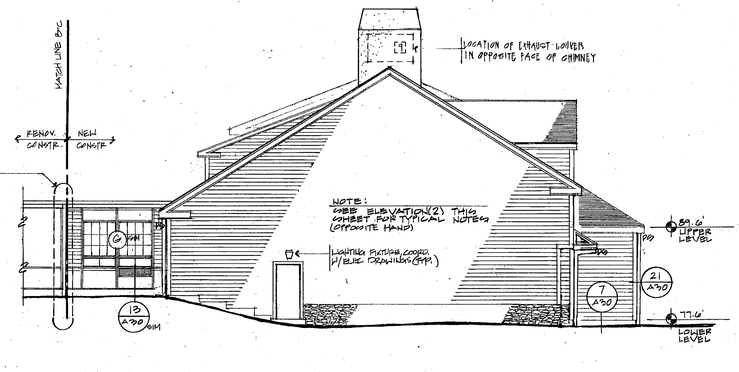
TYPOTECH



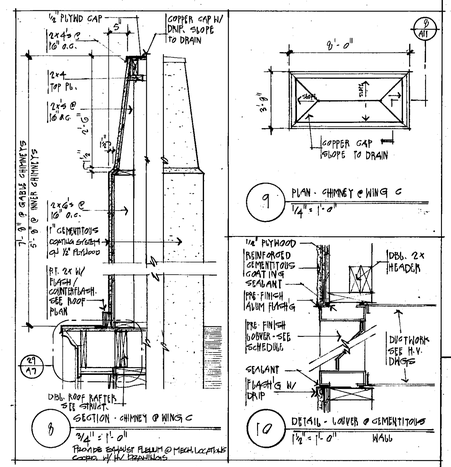
1 ELEVATION
1/8" = 1'-0"



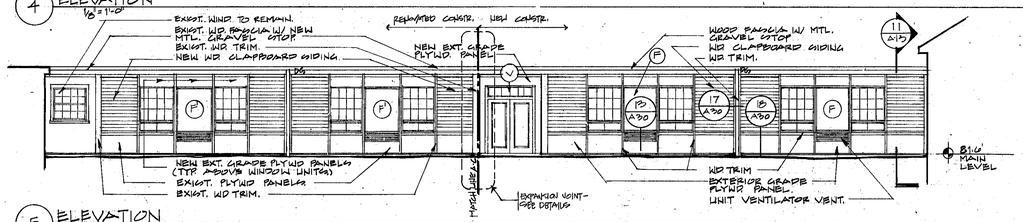
2 ELEVATION
1/8" = 1'-0"



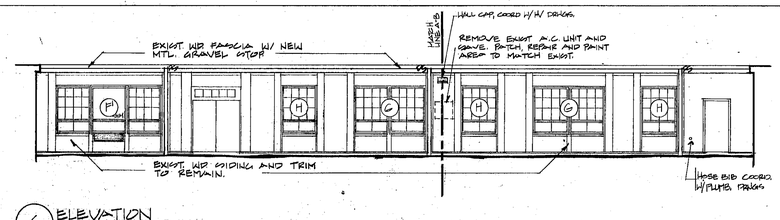
3 ELEVATION
1/8" = 1'-0"



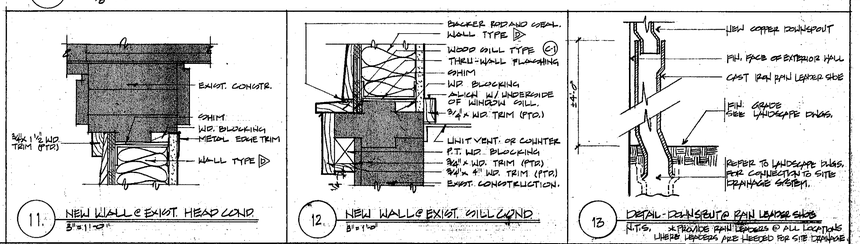
4 ELEVATION
1/8" = 1'-0"



5 ELEVATION
1/8" = 1'-0"



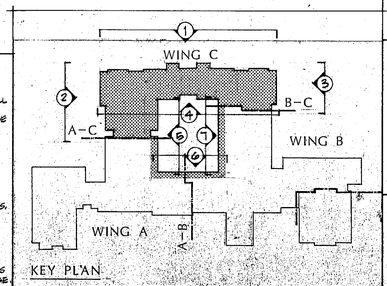
6 ELEVATION
1/8" = 1'-0"



11. NEW WALL @ EXIST. HEAD COND.
3" = 1'-0"

12. NEW WALL @ EXIST. SILL COND
3" = 1'-0"

13 DETAIL - DOWNSPOUT @ RAIN LEADER SHOE
NTS. ALPROVIDE RAIN LEADERS @ ALL LOCATIONS WHERE GARGOYLE AND BASED FOR SITE DRAINAGE



STAMP

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

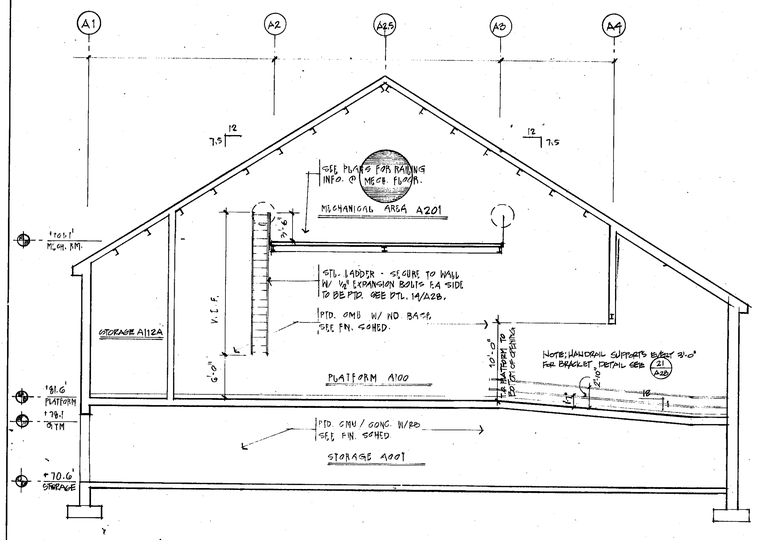
TITLE:
Wing C: Exterior Elevations & Miscellaneous Details

Date: SEPT. 23, 1992 Drawn By:
Scale: AS NOTED Job No: 9008 / 9104

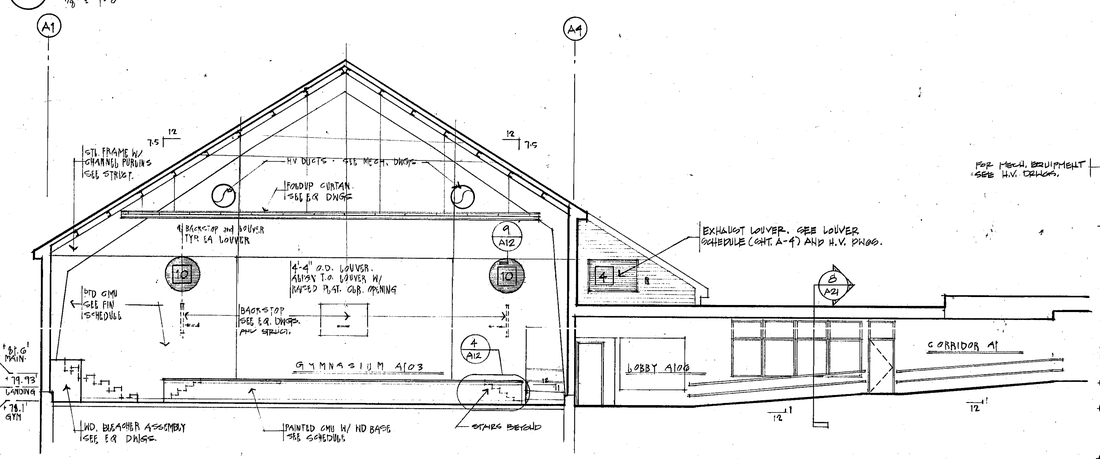
SHEET:

A-11

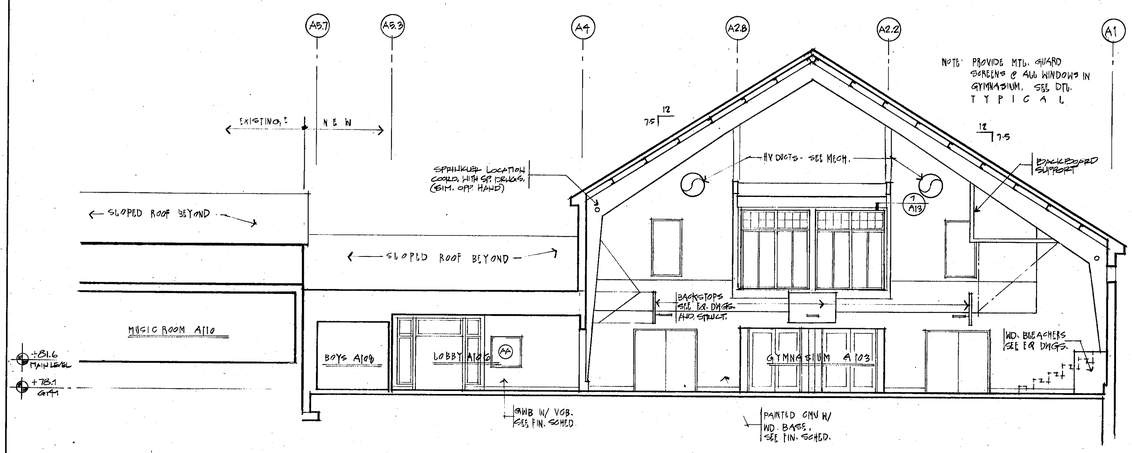
TYPOTECH



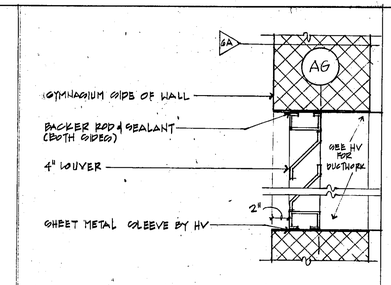
11 BUILDING SECTION - GYMNASIUM
1/8" = 1'-0"



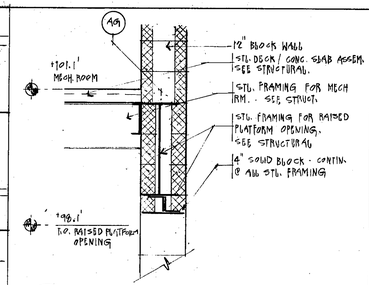
12 BUILDING SECTION - WING A @ GYMNASIUM, LOBBY, CORRIDOR
1/8" = 1'-0"



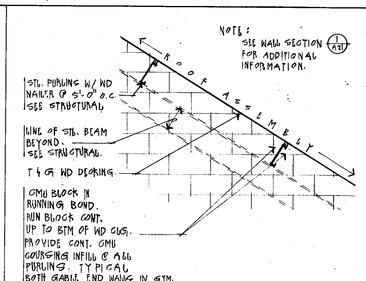
13 BUILDING SECTION - WING A @ MAGIC RM, LOBBY, GYMNASIUM
1/8" = 1'-0"



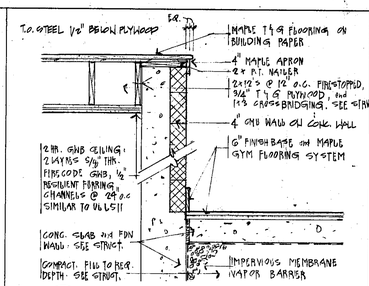
9 DETAIL - LOUVER @ INTERIOR WALL
1 1/2" = 1'-0"



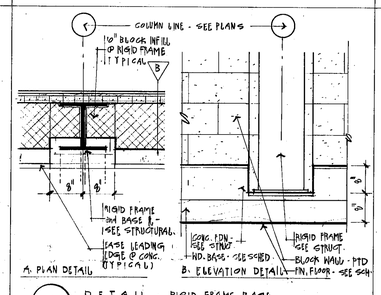
5 DETAIL - FRAMING @ RAISED PLAT. OPENING HEAD
3/4" = 1'-0"



3 ELEVATION - STL PURLINS @ CMU GABLE WALL
1/2" = 1'-0"

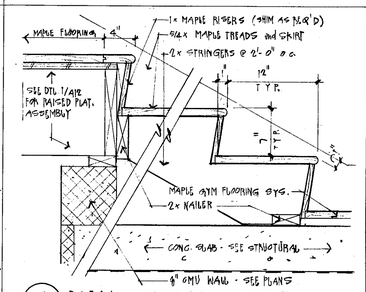


1 DETAIL - RAISED PLATFORM
3/4" = 1'-0"
NOTE: PROVIDE EXPANSION @ PERIMETER WD. FLOORING SYS. PER MANUF. RECOMMENDATION

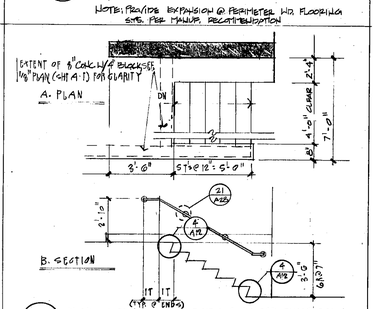


A. PLAN DETAIL
B. ELEVATION DETAIL

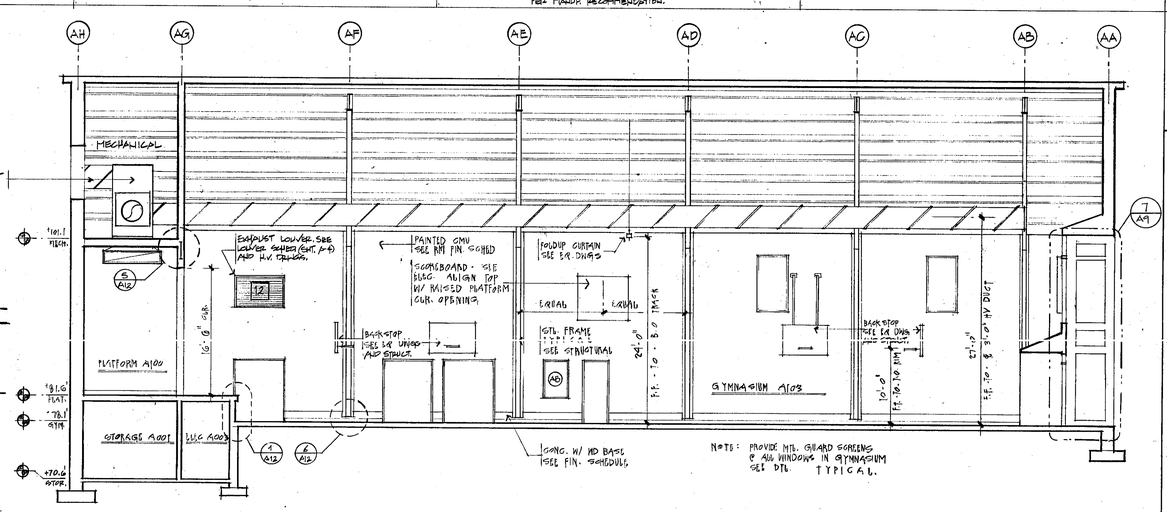
6 DETAIL - RIGID FRAME BASE
3/4" = 1'-0"
REFER TO WALL SECT. 2/A21 FOR ADDIT. INFORMATION



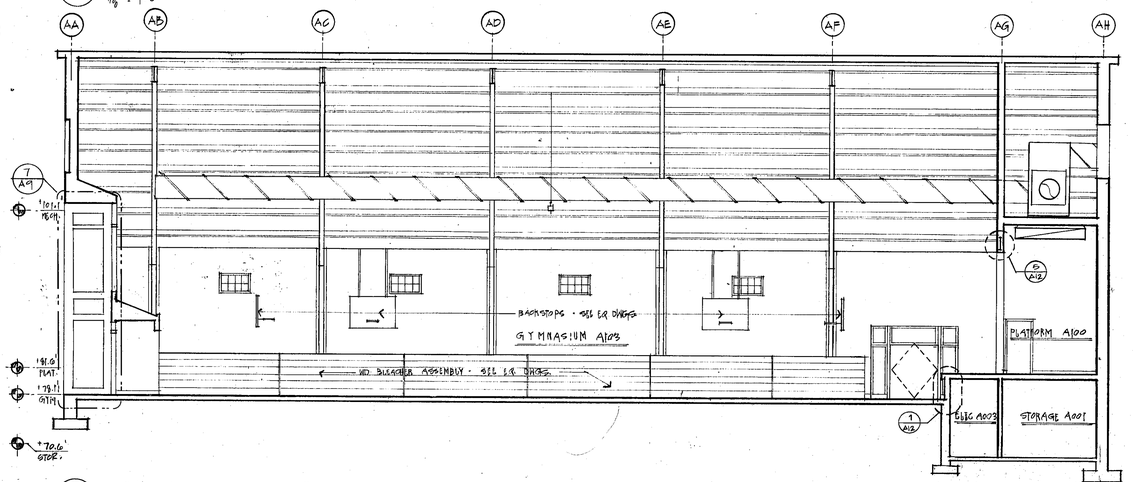
4 DETAIL - STAIRS @ RAISED PLATFORM
1/2" = 1'-0"
NOTE: PROVIDE EXPANSION @ PERIMETER WD. FLOORING SYSTEM PER MANUF. RECOMMENDATION.



2 PLAN and SECTION - STAIRS @ RAISED PLATFORM
1/4" = 1'-0"
NOTE: HALCROW SUPPORTS EVERY 8'-0"



7 BUILDING SECTION - WING A @ GYMNASIUM
1/8" = 1'-0"



8 BUILDING SECTION - WING A @ GYMNASIUM
1/8" = 1'-0"

STAMP

REVISIONS

ANTHONY TAPPE AND ASSOCIATES INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

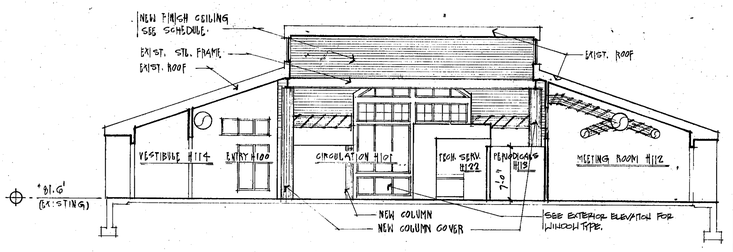
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing A: Building Sections / Interior Elevations

Date: Sept 23, 1992 Drawn By:
Scale: As NOTED Job No: 9208/9108

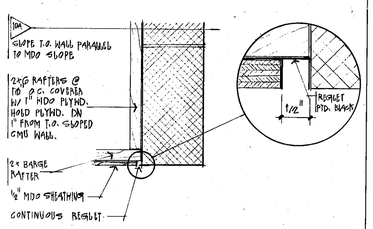
SHEET:
A-10

132879
HYDROTECH

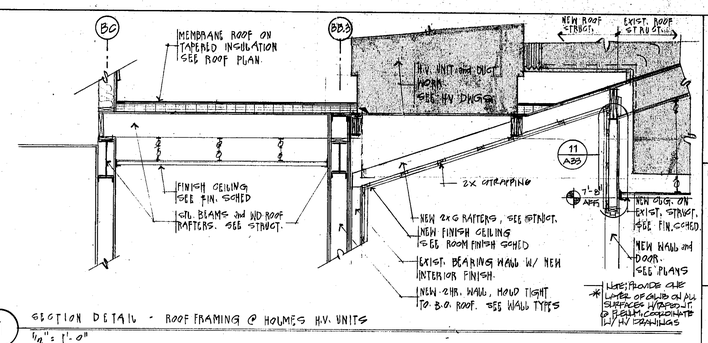


NOTE: ALL INTERIOR FINISHES SHOWN TO BE NEW.

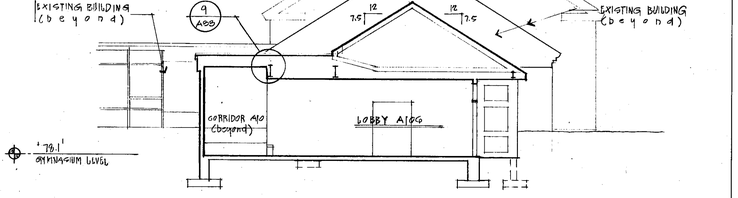
12 BUILDING SECTION / INTERIOR ELEVATION · HOLMES LIBRARY
1/8" = 1'-0"



7 DETAIL - CMU WALL @ MDO ROOF PANEL - GYM #103
1 1/2" = 1'-0" / FULL SIZE DETAIL

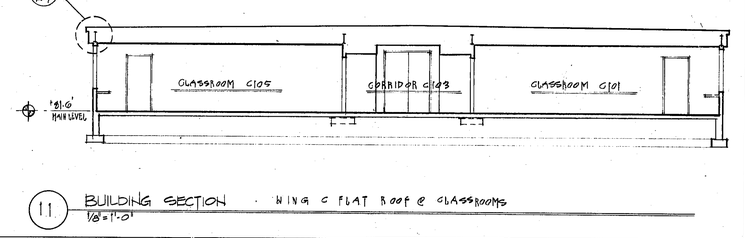


1 SECTION DETAIL - ROOF FRAMING @ HOLMES H.V. UNITS
1/4" = 1'-0"



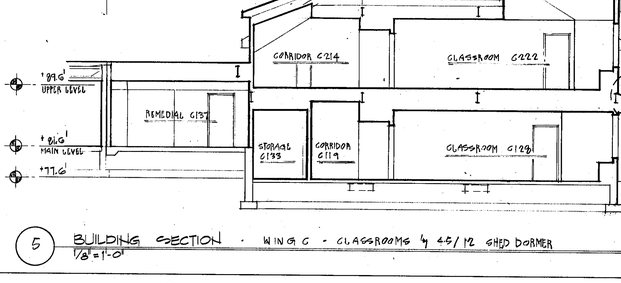
NOTE: ALL INTERIOR FINISHES SHOWN TO BE NEW.

13 BUILDING SECTION / INTERIOR ELEVATION · HOLMES LIBRARY
1/8" = 1'-0"



NOTE: ALL INTERIOR FINISHES SHOWN TO BE NEW.

9 BUILDING SECTION / INTERIOR ELEVATION · HOLMES LIBRARY
1/8" = 1'-0"



3 BUILDING SECTION · WING B @ KINDERGARTEN
1/8" = 1'-0"

14 BUILDING SECTION · WING C CLASSROOMS
1/8"=1'-0"

10 BUILDING SECTION · WING C MEDIA CENTER
1/8"=1'-0"

4 BUILDING SECTION · WING C MEDIA CENTER
1/8"=1'-0"

15 BUILDING SECTION · WING A - ENTRY LOBBY
1/8"=1'-0"

11 BUILDING SECTION · WING C FLAT ROOF @ CLASSROOMS
1/8"=1'-0"

5 BUILDING SECTION · WING C - CLASSROOMS & 4.5/12 SHED DORMER
1/8"=1'-0"

NOTE: ALL INTERIOR FINISHES SHOWN IN HOLMES LIBRARY TO BE NEW.

16 BUILDING SECTION · HOLMES LIBRARY, WING B - KINDERGARTEN
1/8"=1'-0"

6 BUILDING SECTION · WING B · KINDERGARTEN & ADMINISTRATION
1/8"=1'-0"

STAMP

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

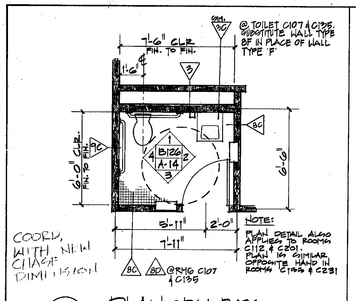
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing B/C: Building Sections

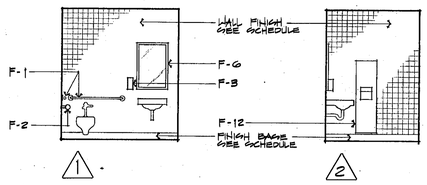
Date: SEPT 25, 1992 Drawn By:
Scale: AS NOTED Job No: 9008/9108

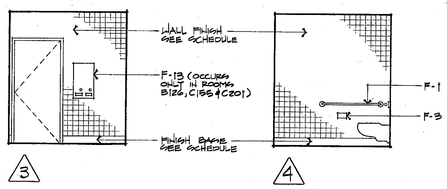
SHEET:
A-18

TYPOTECH 800 182079

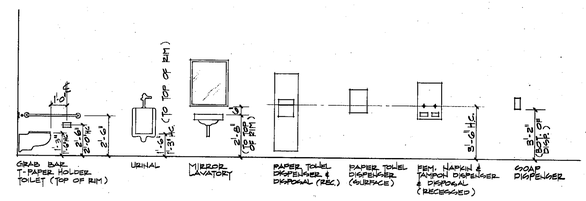


1 PLAN @ RM. B126
1/4"=1'-0"

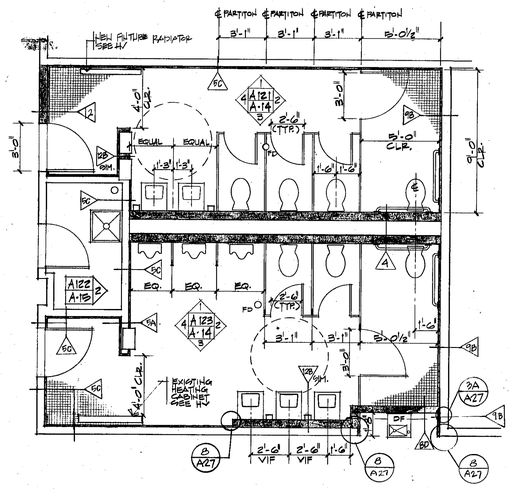




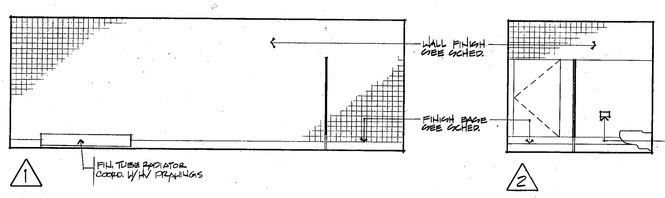
INTERIOR ELEVATIONS
B126 1/4"=1'-0"

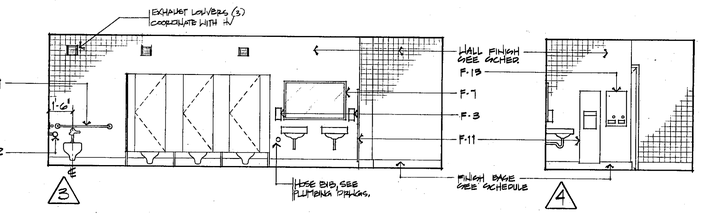


4 TYPICAL FIXTURE MOUNTING HEIGHTS

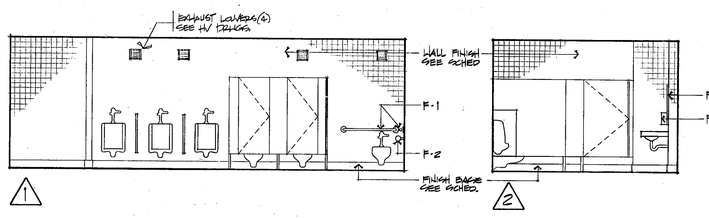


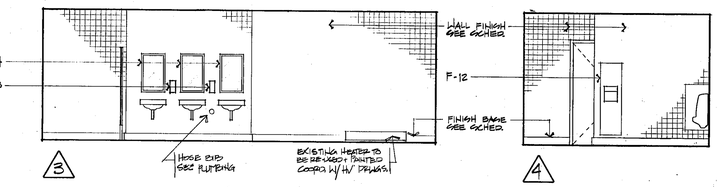
2 PLAN @ BATHROOM NO. A121 & A123
1/4"=1'-0"



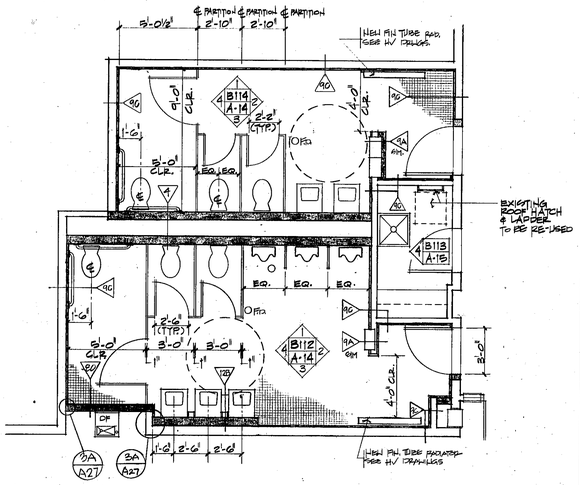


INTERIOR ELEVATIONS
A121 1/4"=1'-0"

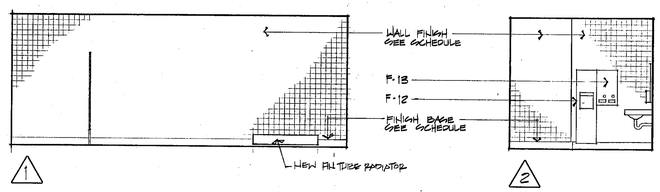


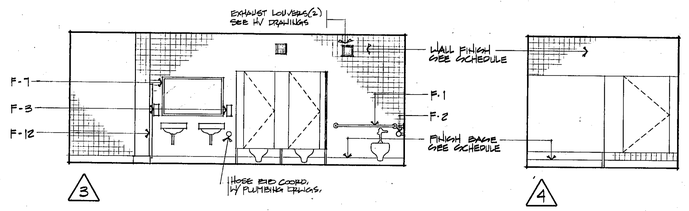


INTERIOR ELEVATIONS
A123 1/4"=1'-0"

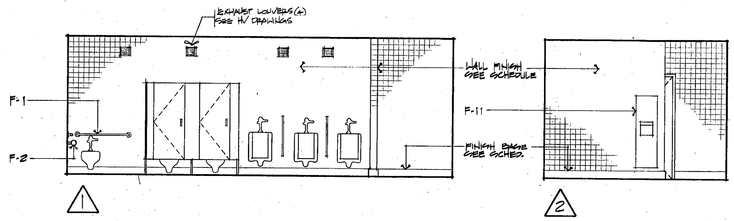


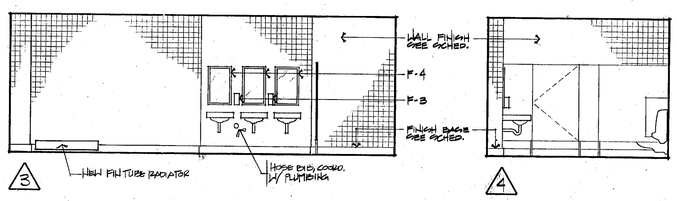
3 PLAN @ BATHROOM NO. B112 & B114
1/4"=1'-0"





INTERIOR ELEVATIONS
B114 1/4"=1'-0"





INTERIOR ELEVATIONS
B112 1/4"=1'-0"

STAMP

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

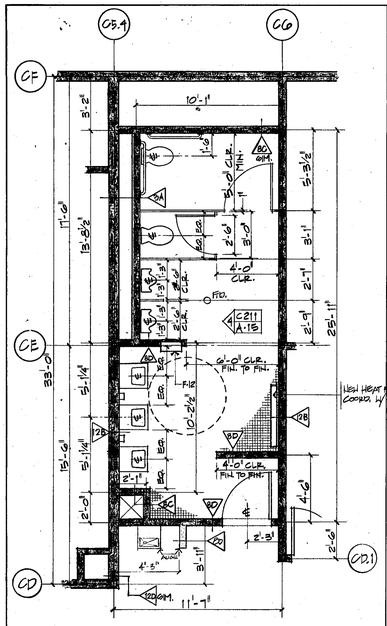
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Toilet Rooms:
Plans / Interior Elevations

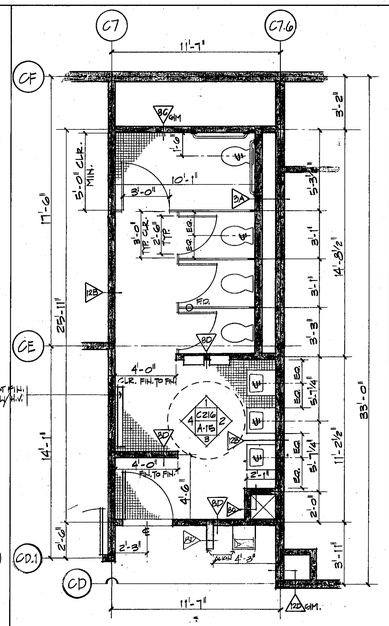
Date: Sept. 23, 1992 Drawn By:
Scale: As noted Job No: 9208/9210

SHEET:
A-14

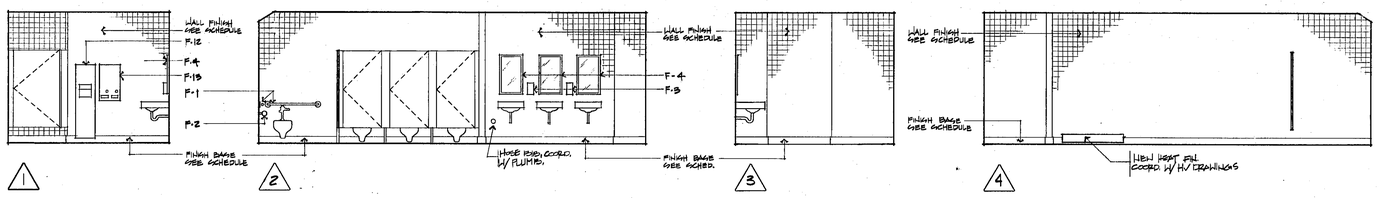
TYPOTECH



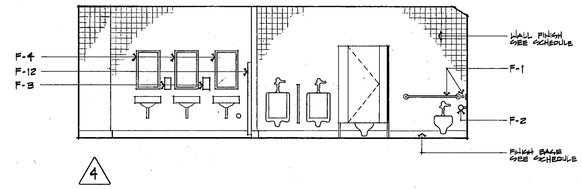
1 PLAN @ ROOM No. C211
1/4" = 1'-0"



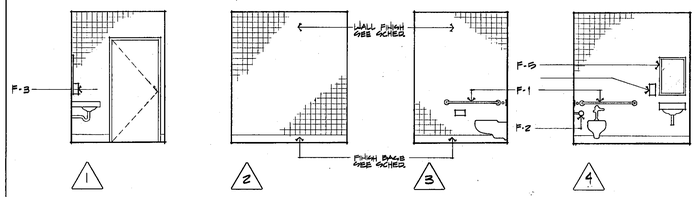
2 PLAN @ ROOM No. C216
1/4" = 1'-0"



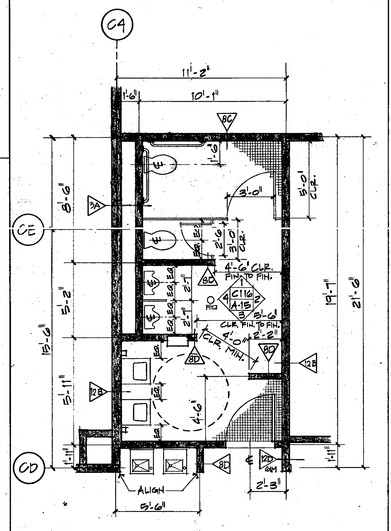
C216 INTERIOR ELEVATIONS
1/4" = 1'-0"



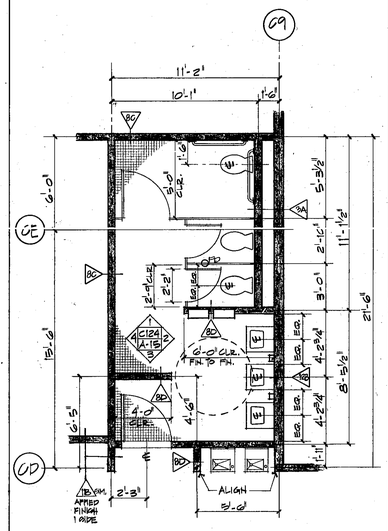
C211 INTERIOR ELEVATIONS
1/4" = 1'-0"



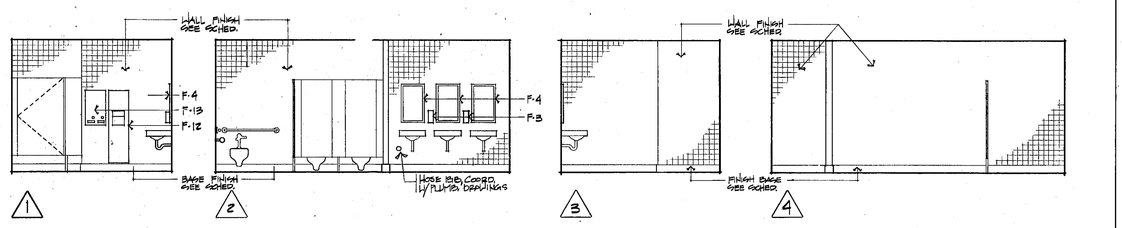
B146 INTERIOR ELEVATIONS
1/4" = 1'-0"



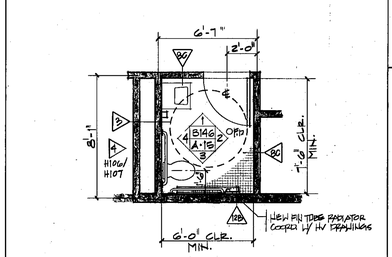
3 PLAN @ ROOM No. C116
1/4" = 1'-0"



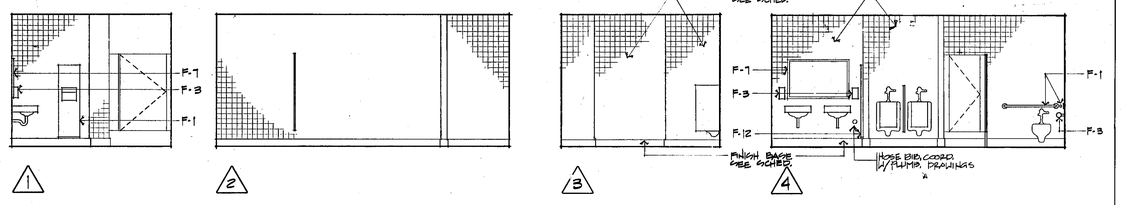
4 PLAN @ ROOM No. C124
1/4" = 1'-0"



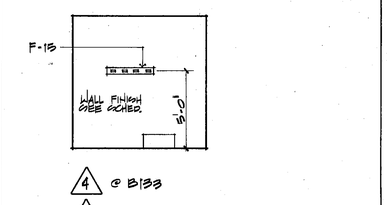
C124 INTERIOR ELEVATIONS
1/4" = 1'-0"



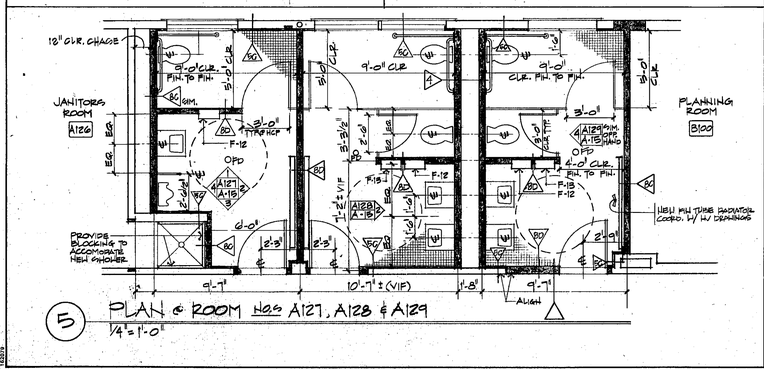
6 PLAN @ RM. No. B143
1/4" = 1'-0" (SIM. @ ROOMS B109, B126, B142 & B148, B149, H106, H107, B160)
NOTE: SEE PLUMBING DRAWINGS FOR EXTENT OF FLOOR TILING.



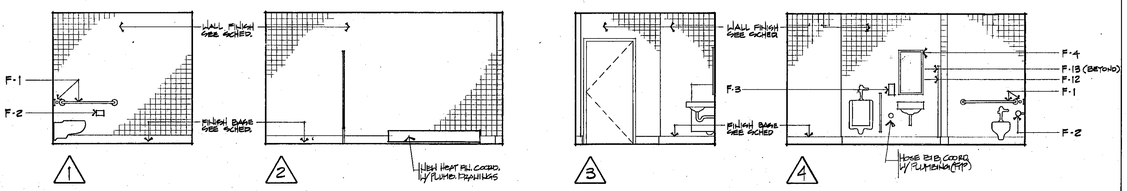
C116 INTERIOR ELEVATIONS
1/4" = 1'-0"



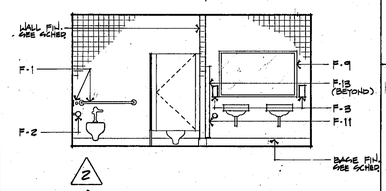
B113 INTERIOR ELEVATION
1/4" = 1'-0"
A122 SIM.



5 PLAN @ ROOMS Nos. A127, A128 & A129
1/4" = 1'-0"



A 127 INTERIOR ELEVATIONS
1/4" = 1'-0"



A 128 INTERIOR ELEVATION
1/4" = 1'-0"
A 129 SIMILAR OPPOSITE HAND

STAMP

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

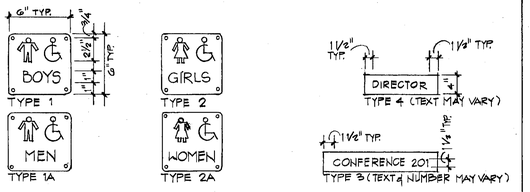
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Toilet Rooms:
Plans / Interior Elevations

Date: SEPT. 23, 1992 Drawn By:
Scale: AS NOTED Job No: 9008/9104

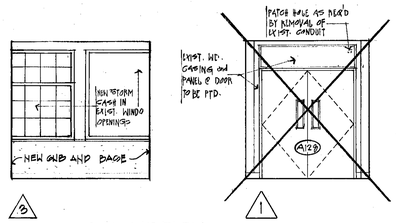
SHEET:
A-15

TYPOTECH



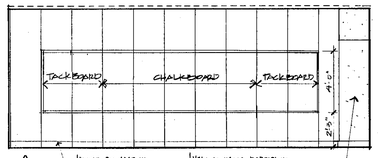
9 SIGNAGE

NOTE: REFER TO SPECIFICATIONS FOR QUANTITIES OF EACH TYPE



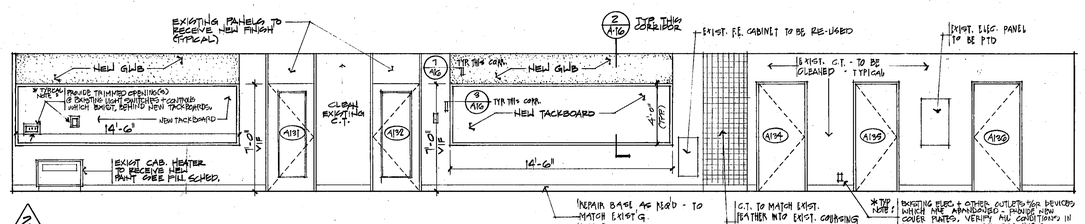
STORAGE INT. ELEV.

A111 1/4"=1'-0"



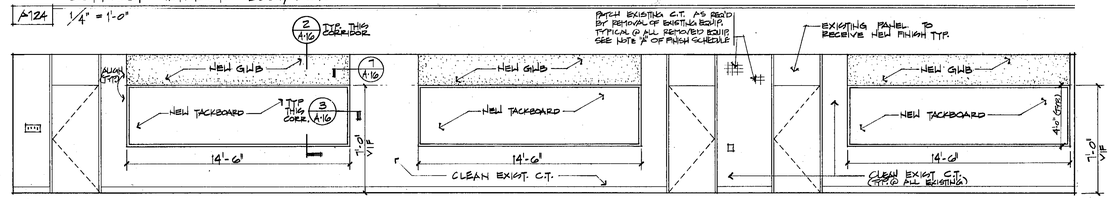
REMEDIAL PARTITION WALL ELEVATION

A118 1/4"=1'-0"



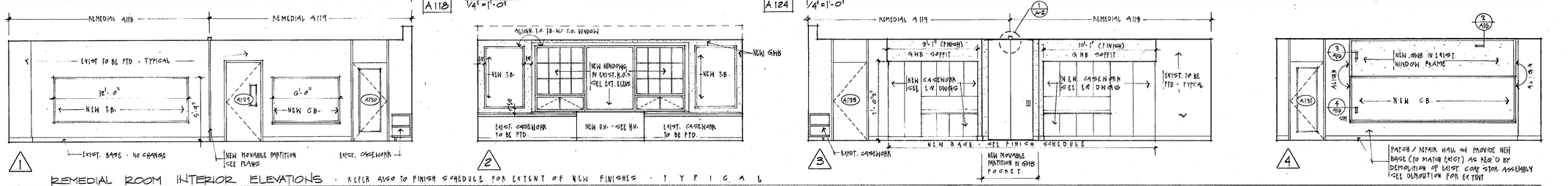
CORRIDOR INTERIOR ELEVATION

A124 1/4" = 1'-0"



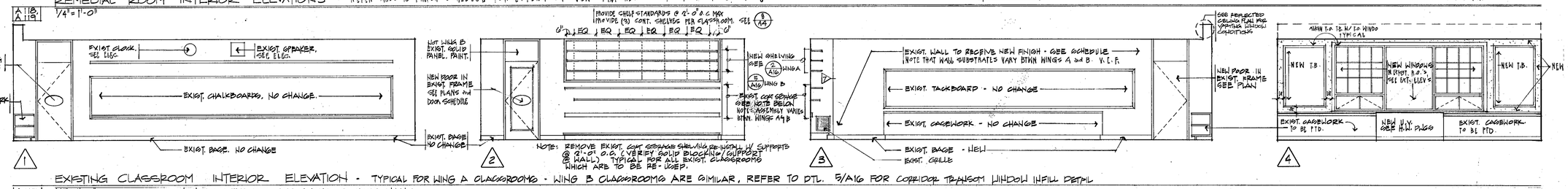
CORRIDOR INTERIOR ELEVATION

A124 1/4"=1'-0"



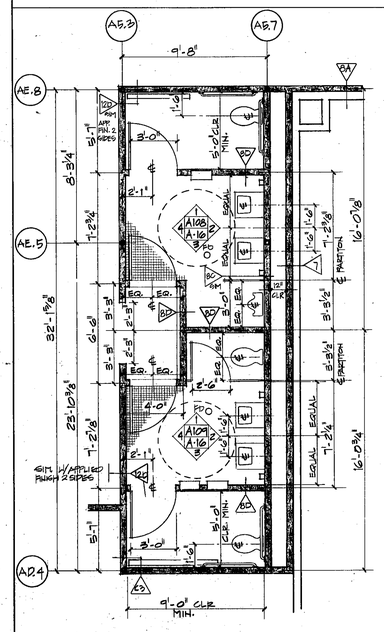
REMEDIAL ROOM INTERIOR ELEVATIONS - REFER ALSO TO FINISH SCHEDULE FOR EXTENT OF NEW FINISHES - TYPICAL

A118, A119 1/4"=1'-0"

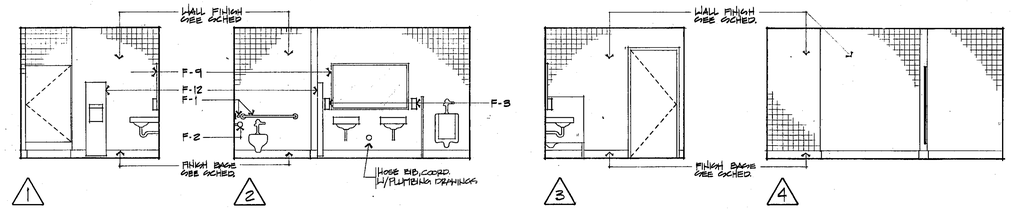


EXISTING CLASSROOM INTERIOR ELEVATION - TYPICAL FOR WING A CLASSROOMS - WING B CLASSROOMS ARE SIMILAR, REFER TO DTL. 5/A16 FOR CORRIDOR TRANSOM WINDOW INFILL DETAIL

A116 1/4"=1'-0" NOTE: SEE FINISH SCHEDULE FOR NEW FINISHES TO EXIST. WALLS

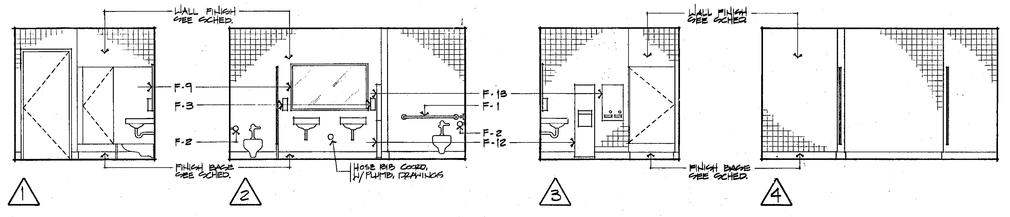


1/4"=1'-0"



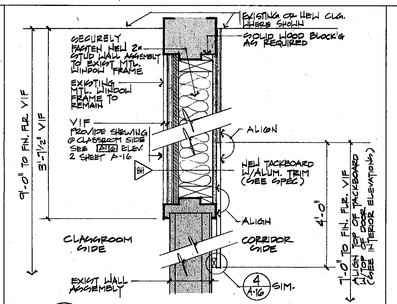
INTERIOR ELEVATIONS

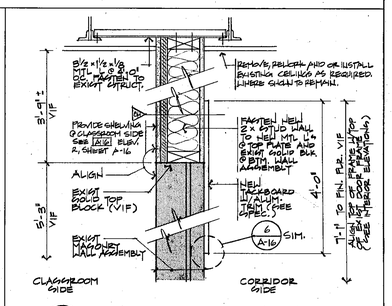
A108 1/4"=1'-0"

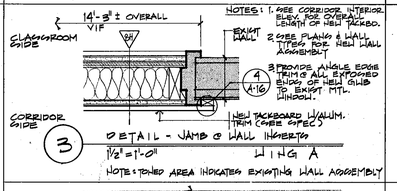


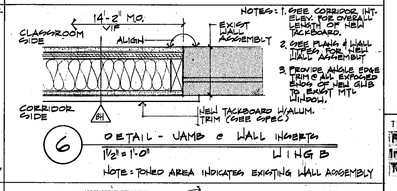
INTERIOR ELEVATIONS

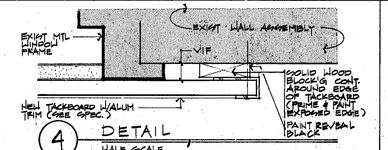
A109 1/4"=1'-0"

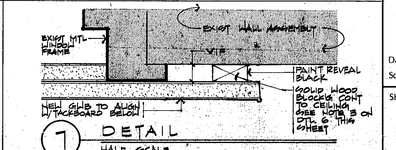












STAMP

REVISIONS

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE

HALIFAX ELEMENTARY SCHOOL

AND RELOCATION OF THE

HALIFAX PUBLIC LIBRARY

HALIFAX, MASSACHUSETTS

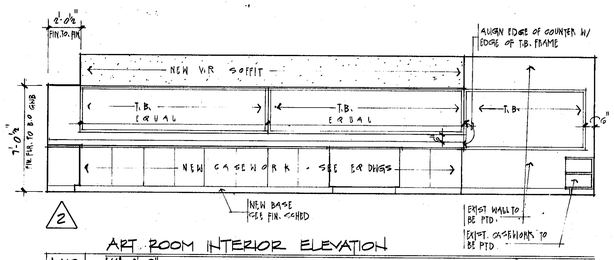
TITLE:
Plans, Details, Miscellaneous
Interior Elevations
Toilet Rooms and Wing A

Date: SEPT. 25, 1992 Drawn By:
Scale: 1/4" NOTED Job No: 9008.7910

SHEET:

A-16

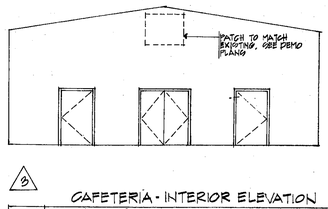
TYPOTECH



2

ART ROOM INTERIOR ELEVATION

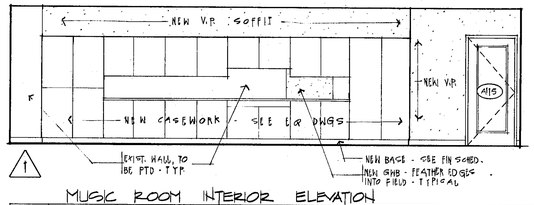
A113 1/4"=1'-0"



3

CAFETERIA - INTERIOR ELEVATION

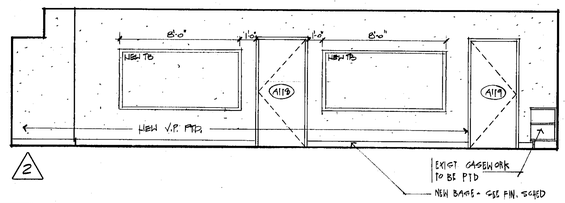
B187 1/8"=1'-0"



1

MUSIC ROOM INTERIOR ELEVATION

A110 1/4"=1'-0"



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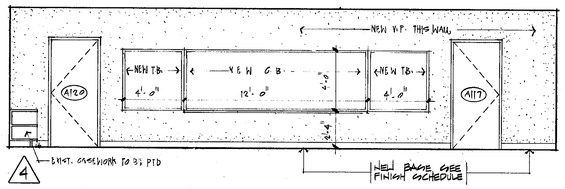
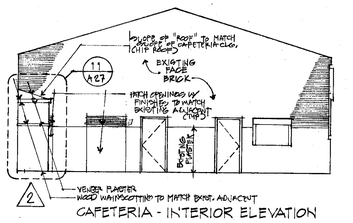


4

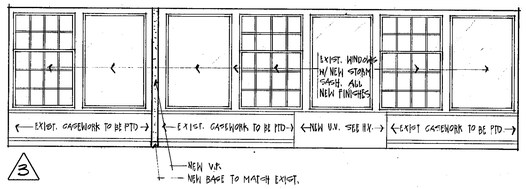
ART ROOM INTERIOR ELEVATION

A113 1/4"=1'-0"



2

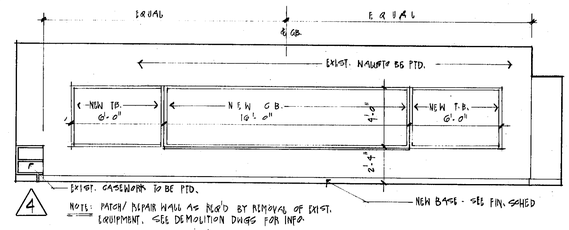
A131 1/8"=1'-0"



3

MUSIC ROOM INTERIOR ELEVATION

A110 1/4"=1'-0"



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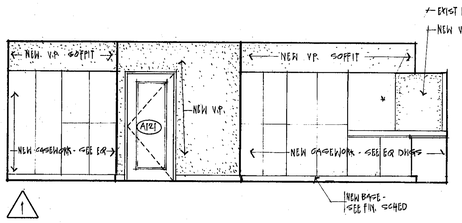
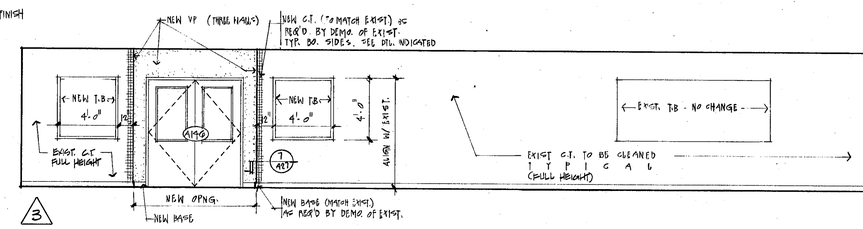


1

ART ROOM INTERIOR ELEVATION

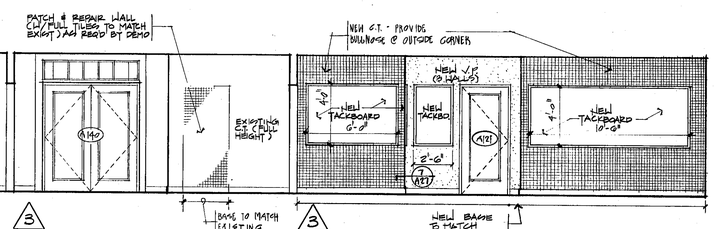
A113 1/4"=1'-0"



3

CORRIDOR INTERIOR ELEVATION

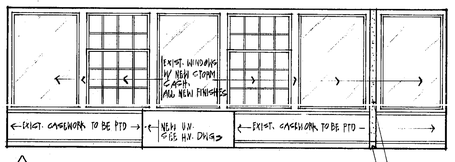
A130 1/4"=1'-0"



3

A125

A124



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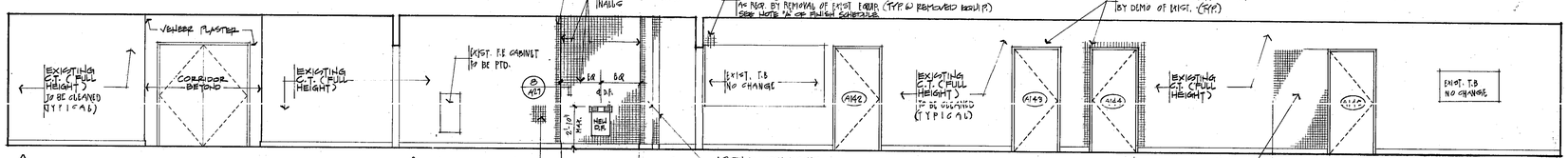
ART ROOM INTERIOR ELEVATION

A113 1/4"=1'-0"

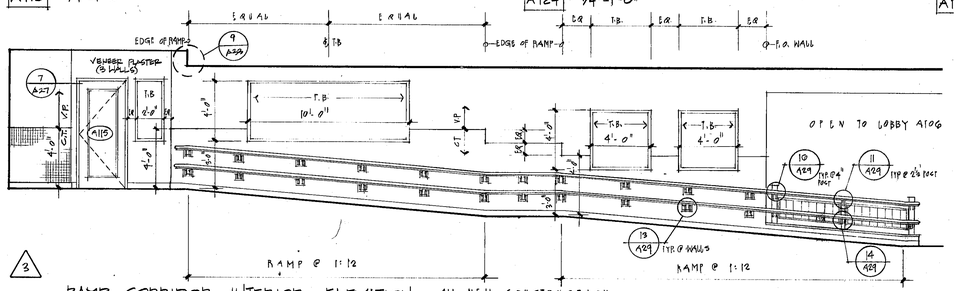


1 1 1

CORRIDOR INTERIOR ELEVATION

A124 1/4"=1'-0"

A125 A130

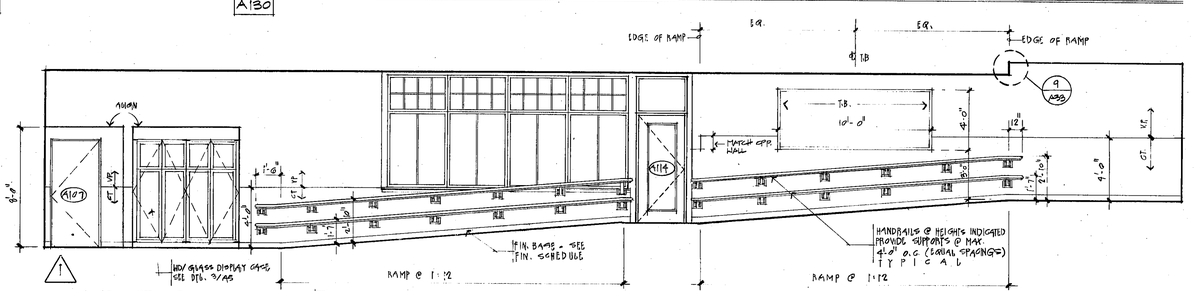


3

RAMP CORRIDOR INTERIOR ELEVATION - ALL NEW CONSTRUCTION

A106A 1/4"=1'-0"

NOTE: ALTERNATE #1 SHOWN. OMIT C.T. SHOWN FOR BASE BID. SEE SPECS.

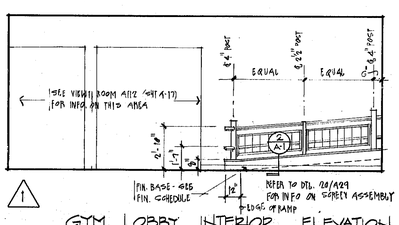


1

RAMP CORRIDOR INTERIOR ELEVATION - ALL NEW CONSTRUCTION

A112A 1/4"=1'-0"

NOTE: ALTERNATE #1 SHOWN. OMIT C.T. SHOWN FOR BASE BID. SEE SPECS.



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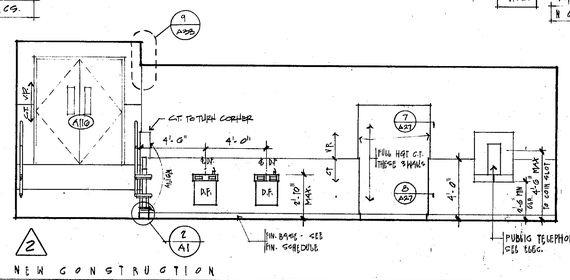

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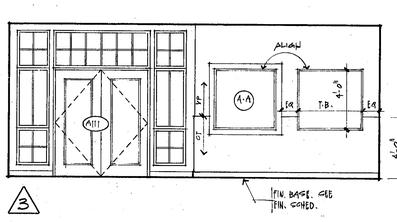

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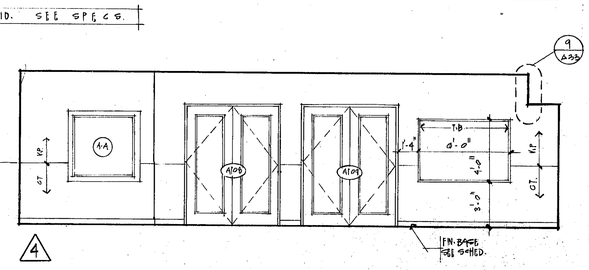


4

GYM LOBBY INTERIOR ELEVATION - ALL NEW CONSTRUCTION

A106 1/4"=1'-0"

NOTE: ALTERNATE #1 SHOWN. OMIT C.T. SHOWN FOR BASE BID. SEE SPECS.

TYPOTECH

STAMP

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE

HALIFAX ELEMENTARY SCHOOL

AND RELOCATION OF THE

HALIFAX PUBLIC LIBRARY

HALIFAX, MASSACHUSETTS

TITLE:

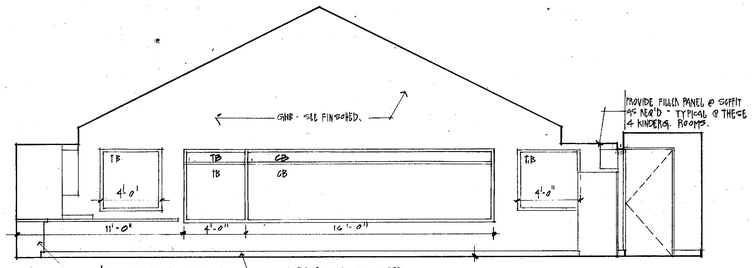
Wing A/B Interior Elevations

Date: SEPT. 23, 1992 Drawn By:

Scale: AS NOTED Job No: 9008/9108

SHEET:

A-17

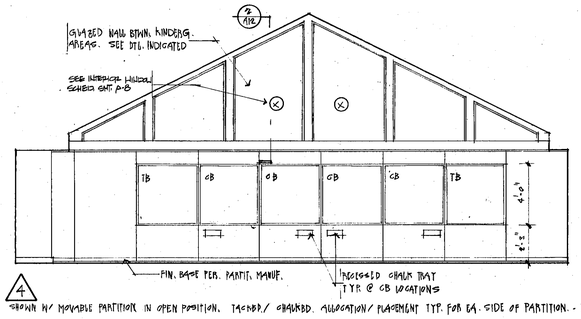


2

KINDERGARTEN INTERIOR ELEVATIONS

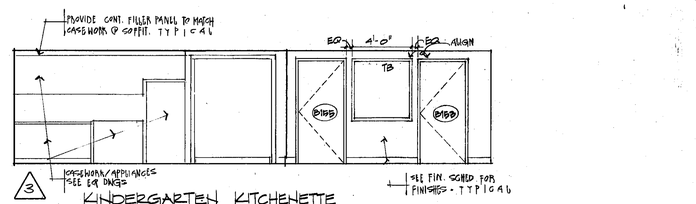
B138 1/4"=1'-0"

NOTE: U.O.N., 5'-0"(H) ASSEMBLY OF TB/CB IS TYPICAL FOR ALL KINDERGARTENS.



4

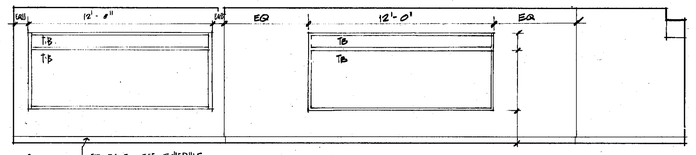
SHOWN W/ MOVABLE PARTITION IN OPEN POSITION. TACKBD./ CHALKBD. ALLOCATION/ PLACEMENT TYP. FOR EA. SIDE OF PARTITION. - TYPICAL



3

KINDERGARTEN KITCHENETTE INTERIOR ELEVATION

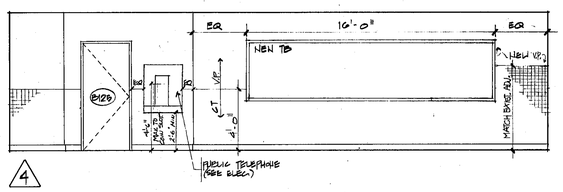
B138 1/4"=1'-0"



1

KINDERGARTEN INTERIOR ELEVATION

B155 1/4"=1'-0"

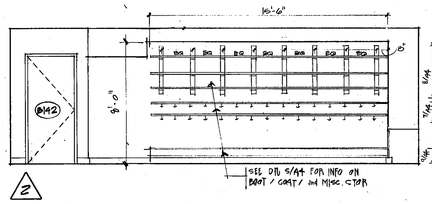


4

LOBBY INTERIOR ELEVATION

B154 1/4"=1'-0"

NOTE: CT SHOWN W/IN THIS ELEV. IS TO BE INCLUDED W/IN BASE BID (ALTERNATE NO 1 HAS NO EFFECT ON THIS AREA.)



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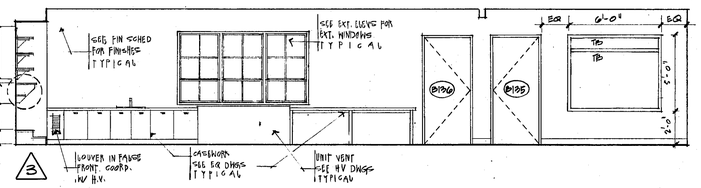
KINDERGARTEN INTERIOR ELEVATIONS

B155 1/4"=1'-0"



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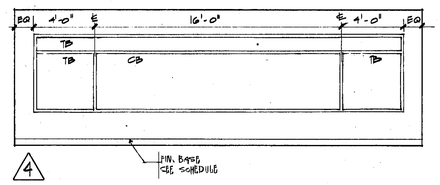

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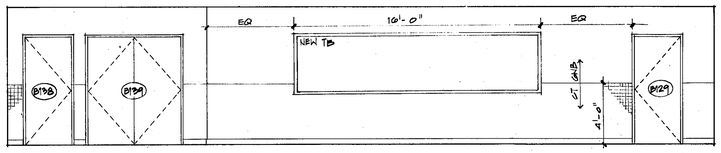
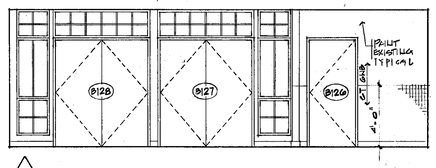


2

LOBBY INTERIOR ELEVATIONS

B154 1/4"=1'-0"

NOTE: CT SHOWN W/IN THIS ELEV. IS TO BE INCLUDED W/IN BASE BID (ALTERNATE NO 1 HAS NO EFFECT ON THIS AREA.)



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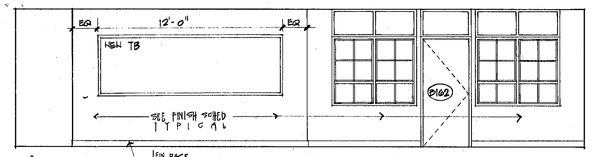
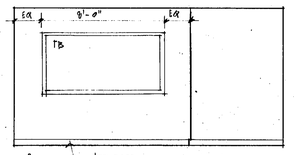


1

ADMINISTRATION INTERIOR ELEVATIONS

B133 1/4"=1'-0"



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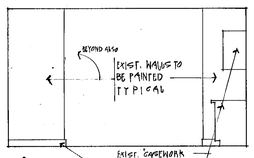
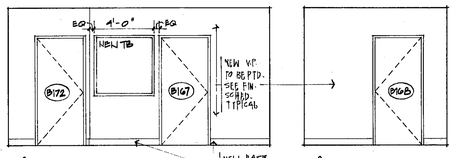


2

TEACHERS DINING INTERIOR ELEVATION

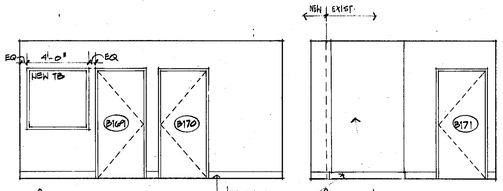
B101



1 2

HEALTH ROOM INTERIOR ELEVATIONS

B128 1/4"=1'-0"



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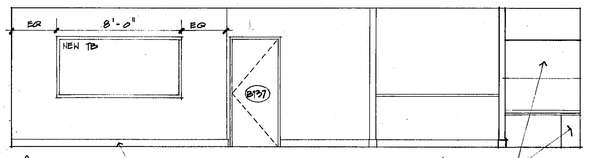

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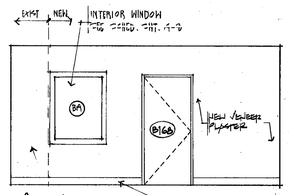
ADMINISTRATION INTERIOR ELEVATIONS

B133 1/4"=1'-0"



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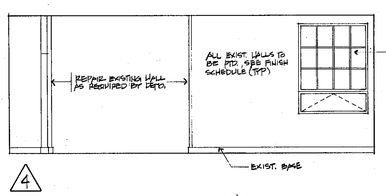
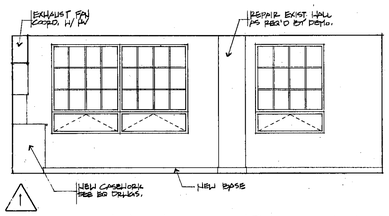


4

TEACHERS DINING INT. ELEVATION

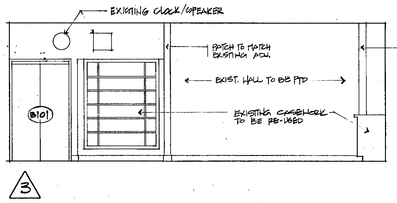
B101 1/4"=1'-0"



1

PLANNING ROOM INTERIOR ELEVATIONS

B100 1/4"=1'-0"



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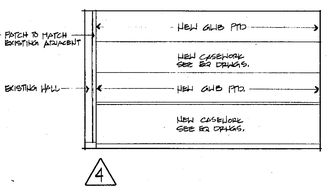

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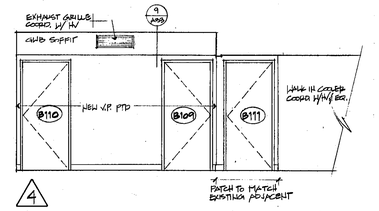
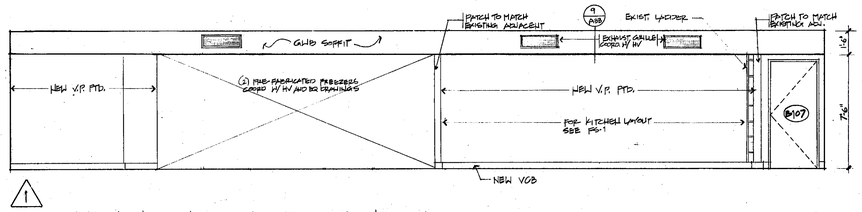


4

KITCHEN INTERIOR ELEVATION

B107 1/4"=1'-0"



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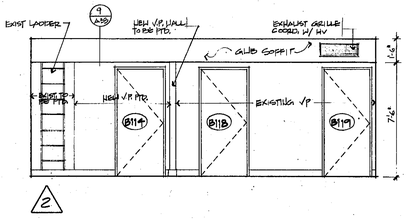

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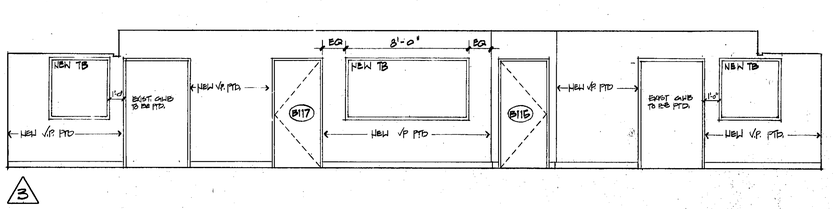


3

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

STAMP

REVISIONS:

ADDITION AND RENOVATIONS TO THE

HALIFAX ELEMENTARY SCHOOL

AND RELOCATION OF THE

HALIFAX PUBLIC LIBRARY

HALIFAX, MASSACHUSETTS

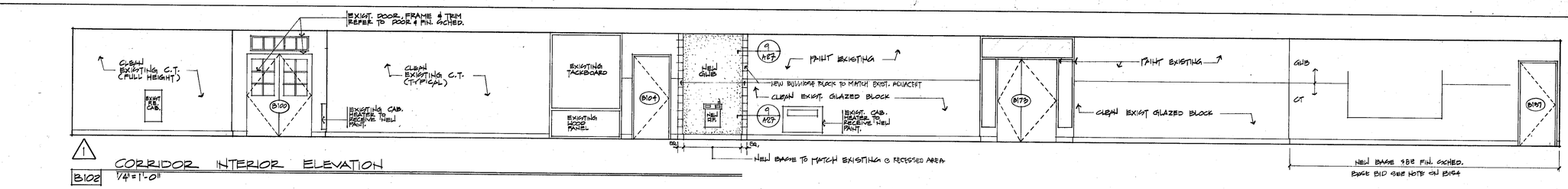
TITLE: Wing & Interior Elevations

Date: SEPT. 23, 1992 Drawn By:

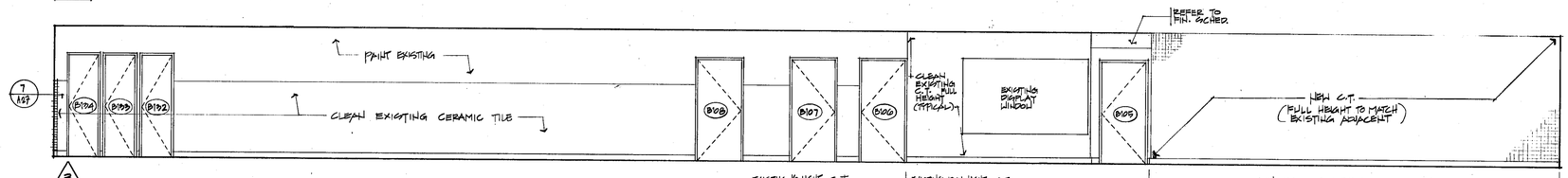
Scale: AS NOTED Job No: 9008/9010

SHEET: A-18

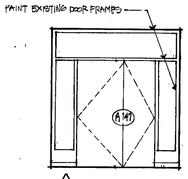
TYPOTECH



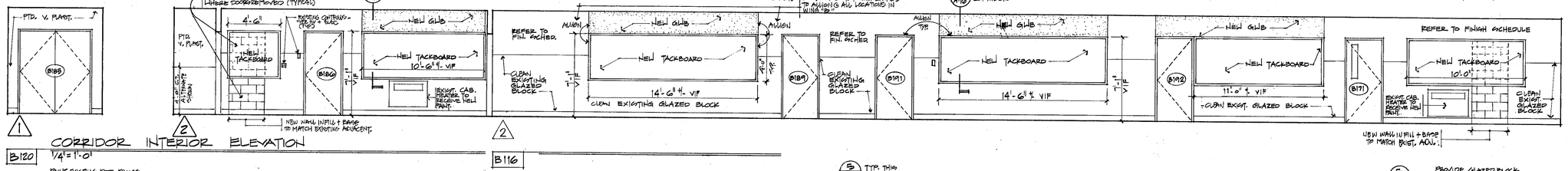
1 CORRIDOR INTERIOR ELEVATION
B102 1/4"=1'-0"



3 CORRIDOR INTERIOR ELEVATION
B102 1/4"=1'-0"

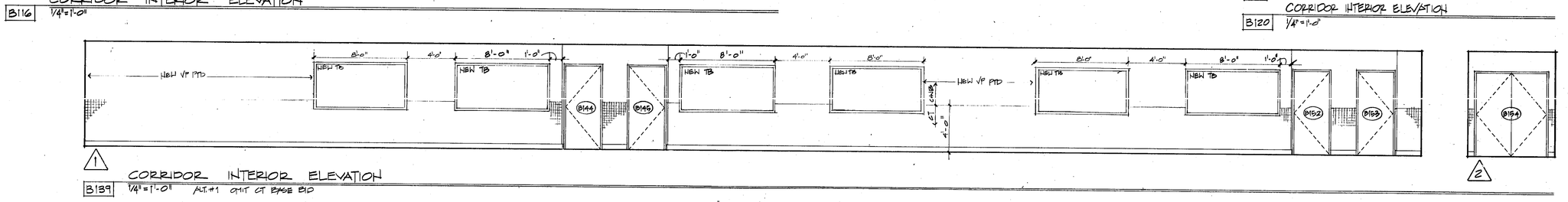


4
B102



1 CORRIDOR INTERIOR ELEVATION
B120 1/4"=1'-0"

2
B116

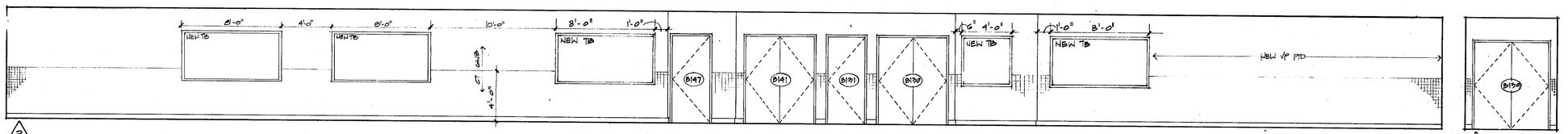


3 CORRIDOR INTERIOR ELEVATION
B116 1/4"=1'-0"

4
B120

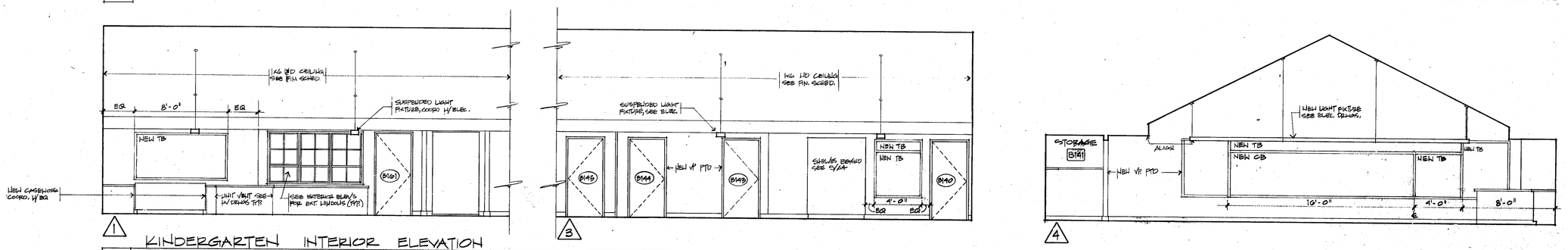
1 CORRIDOR INTERIOR ELEVATION
B139 1/4"=1'-0" ALT.#1 OMIT CT BASE BID

2



3 CORRIDOR INTERIOR ELEVATION
B139 1/4"=1'-0" ALT.#1 OMIT CT BASE BID

4



1 KINDERGARTEN INTERIOR ELEVATION
B135 1/4"=1'-0"

3

4

STAMP

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

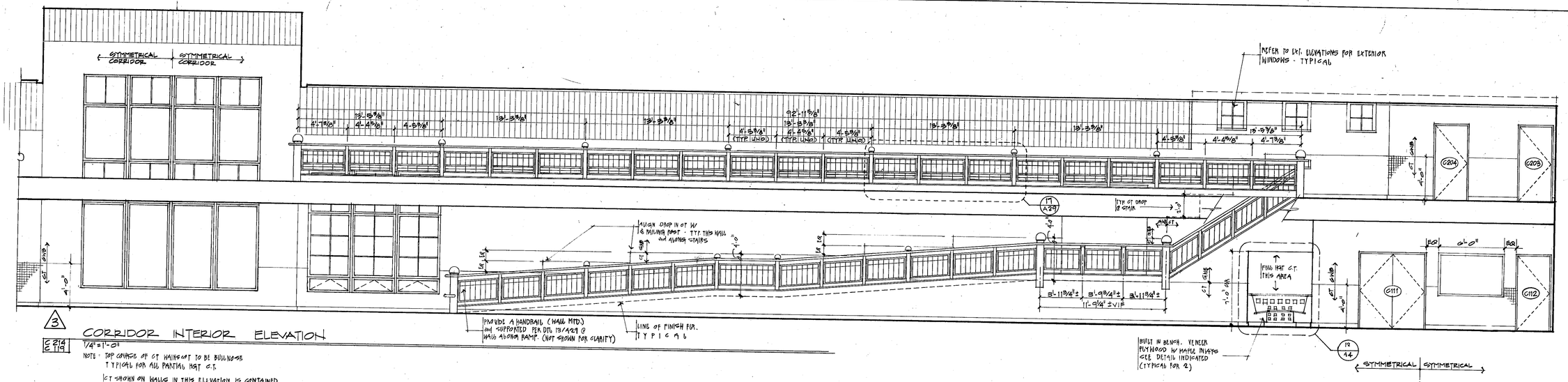
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing B Interior Elevations

Date: Sept. 29, 1992 Drawn By:
Scale: AS NOTED Job No: 9008/9108

SHEET:
A-19

TYPOTECH



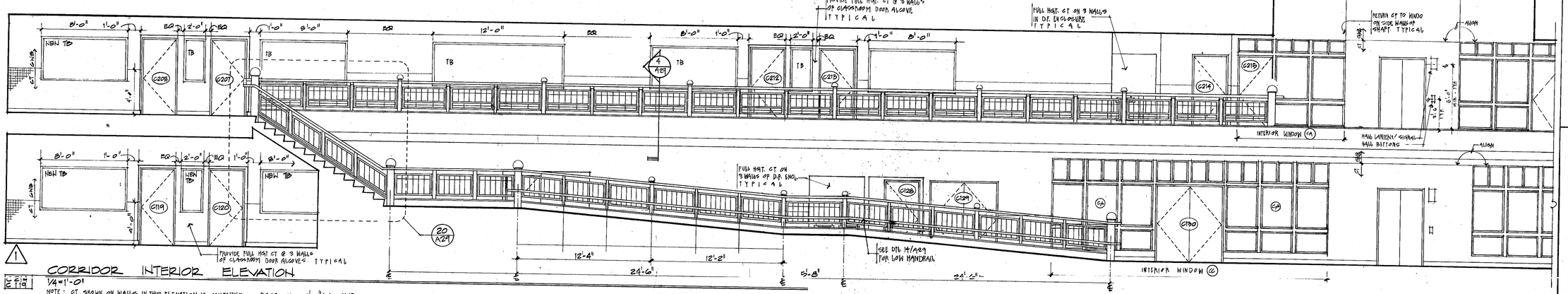
3 CORRIDOR INTERIOR ELEVATION

C 214 / C 119 — 1/4"=1'-0"

NOTE - TOP COURSE OF GT MASONRY TO BE BULLNOSE TYPICAL FOR ALL PARTIAL HGT G.T.

GT SHOWN ON WALLS IN THIS ELEVATION IS CONTAINED W/IN ALTERNATE NO 1. SEE SPEC.

PROVIDE 2'-0" (W) STRIPE OF ACCENT COLOR PAINT. CONTINUOUS ALONG CORRIDOR / ALCOVE WALLS IN WING C. TYPICAL IN BASE BID.

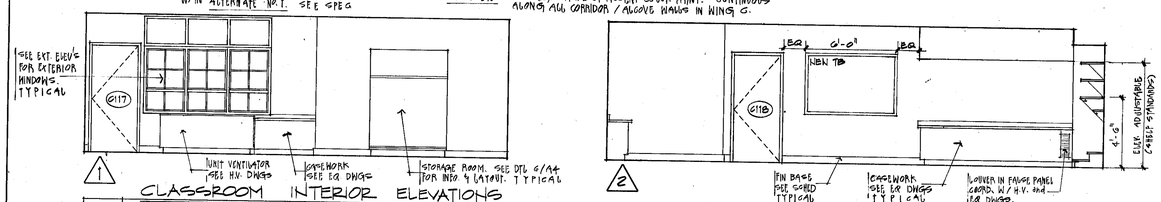


1 CORRIDOR INTERIOR ELEVATION

C 119 — 1/4"=1'-0"

NOTE : GT SHOWN ON WALLS IN THIS ELEVATION IS CONTAINED W/IN ALTERNATE NO. 1. SEE SPEC

BASE BID: 2'-0"(W) STRIPE OF ACCENT COLOR PAINT. CONTINUOUS ALONG ALL CORRIDOR / ALCOVE WALLS IN WING C.

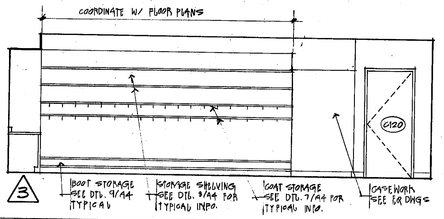


1 CLASSROOM INTERIOR ELEVATIONS

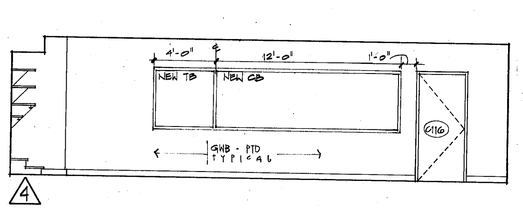
C 111 — 1/4"=1'-0"

REFER TO FINISH SCHEDULE FOR ADDITIONAL INFO. ON FINISHES and MATERIALS TYPICAL.

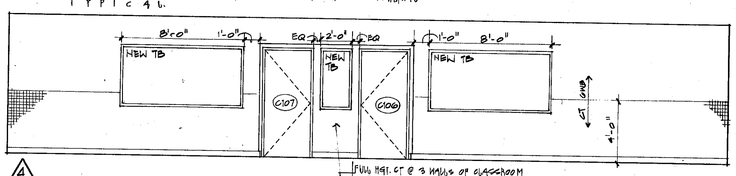
2



3



4

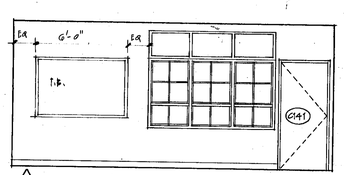


4 CORRIDOR INTERIOR ELEVATION (TYPICAL BOTH SIDES)

C 103 — 1/4" = 1'-0"

GT SHOWN ON WALLS IN THIS ELEVATION IS CONTAINED W/IN ALTERNATE N° 1 SEE SPEC.

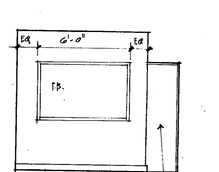
BASE BID - PROVIDE 2'-0"(W) STRIPE OF ACCENT COLOR PAINT CONTINUOUS ALONG CORRIDOR/ ALCOVE WALLS IN WING C



1 OFFICE INTERIOR ELEVATIONS

C 120 — 1/4"=1'-0"

REFER TO FINISH SCHEDULE FOR ADDITIONAL INFO ON FINISHES and MATERIALS - TYPICAL



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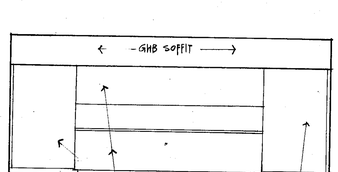
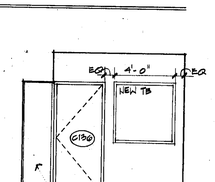
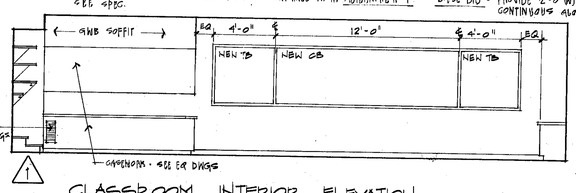


3

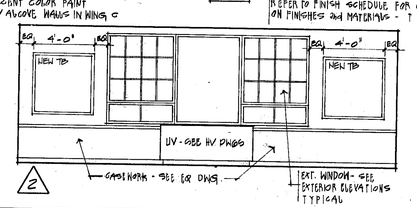


4



1 CLASSROOM INTERIOR ELEVATION

C 105 — 1/4"=1'-0"



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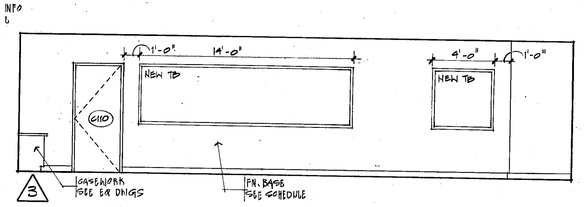

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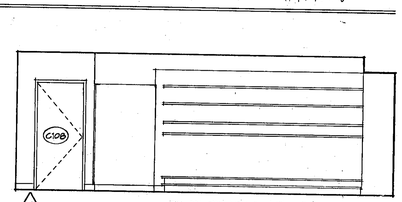


4

STAMP

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

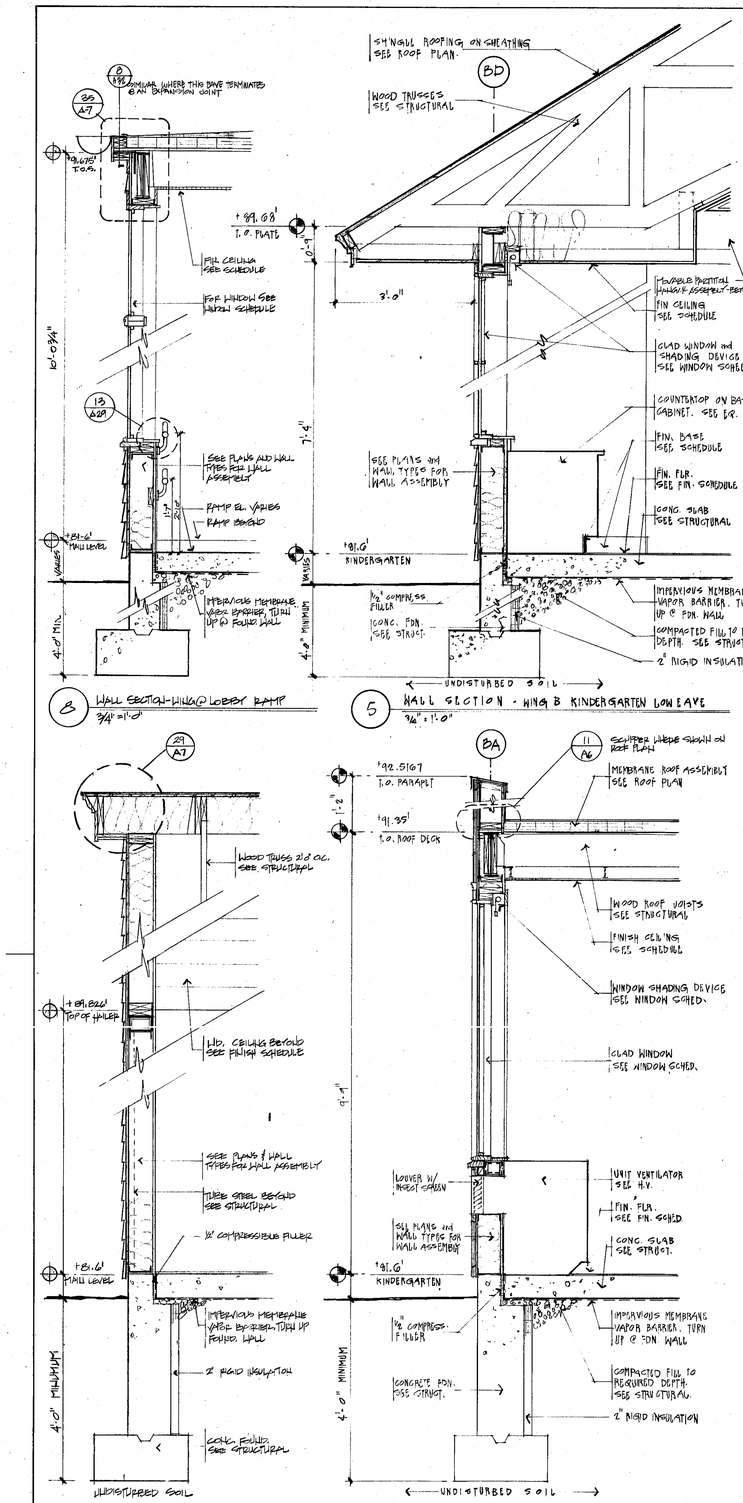
TITLE: Wing 'C' Interior Elevations

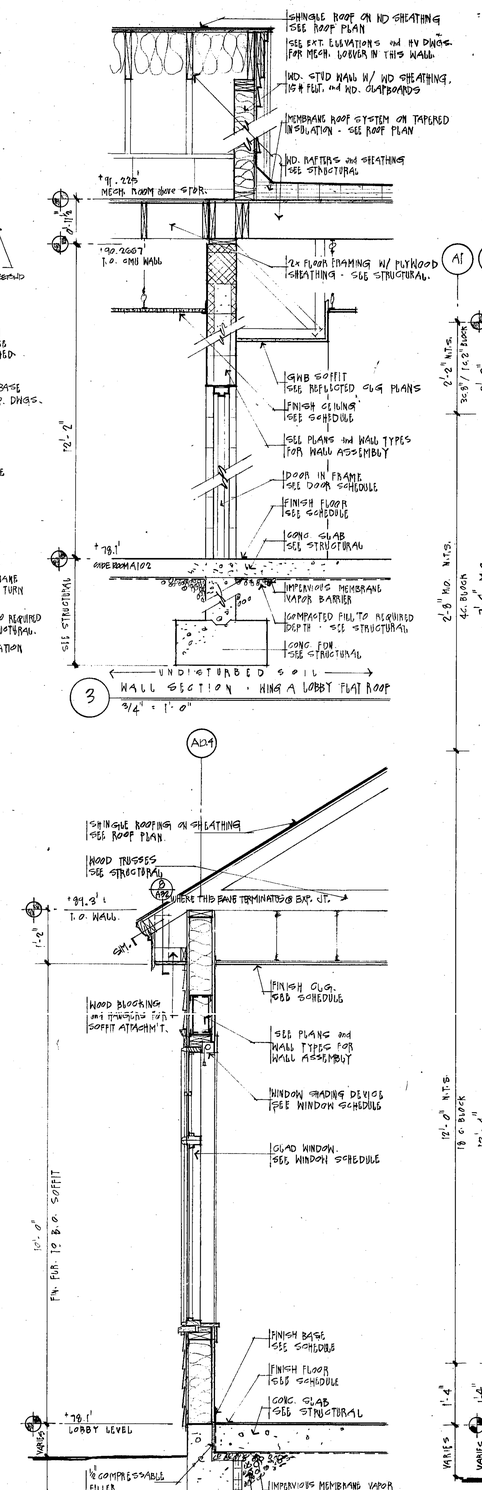
Date: Sept 29, 1982 Drawn By:
Scale: 1/4"=1'0" Job No: 9008/9104

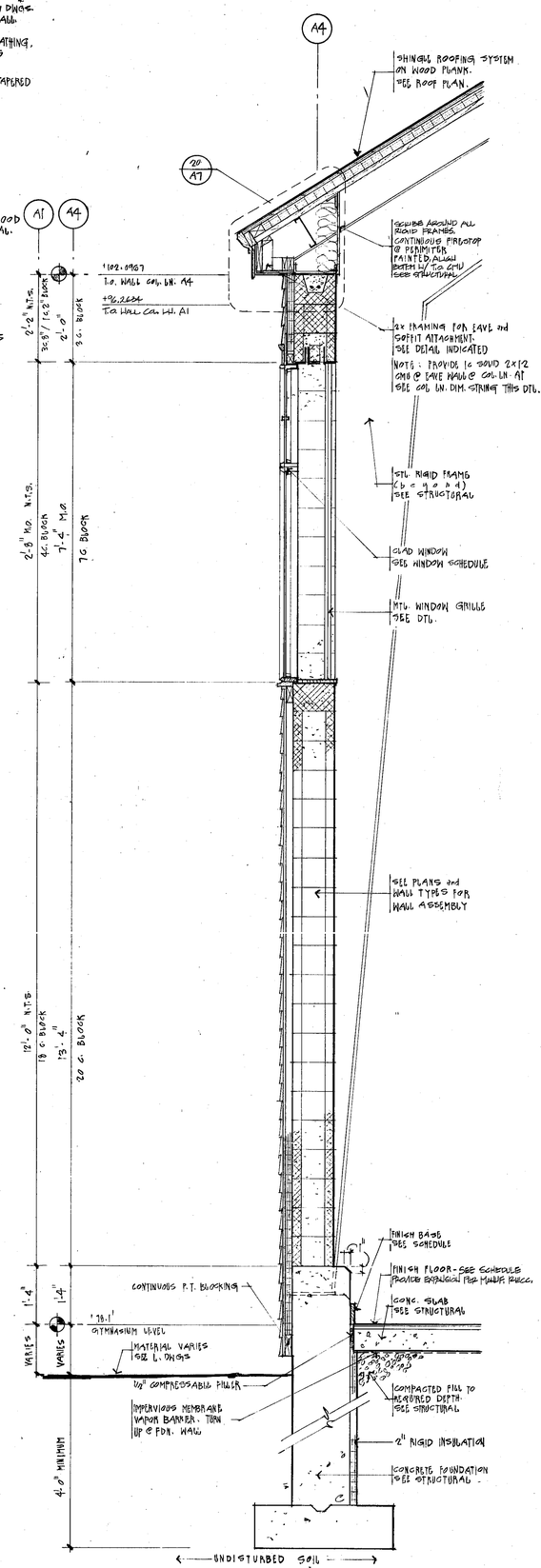
SHEET:

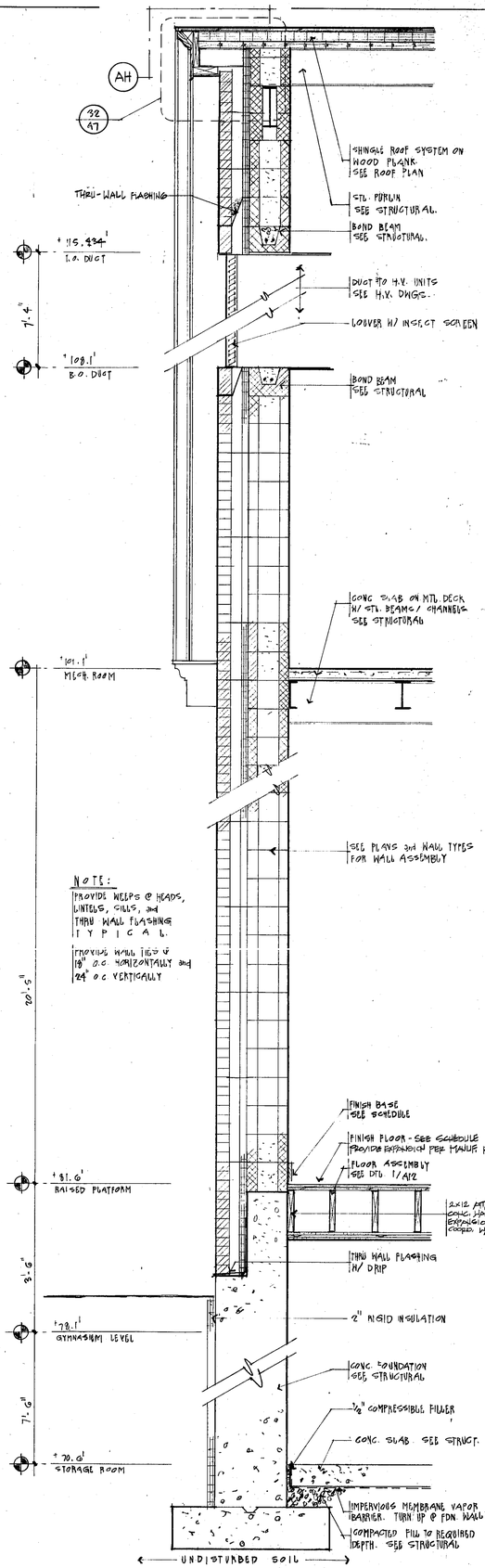
A-20

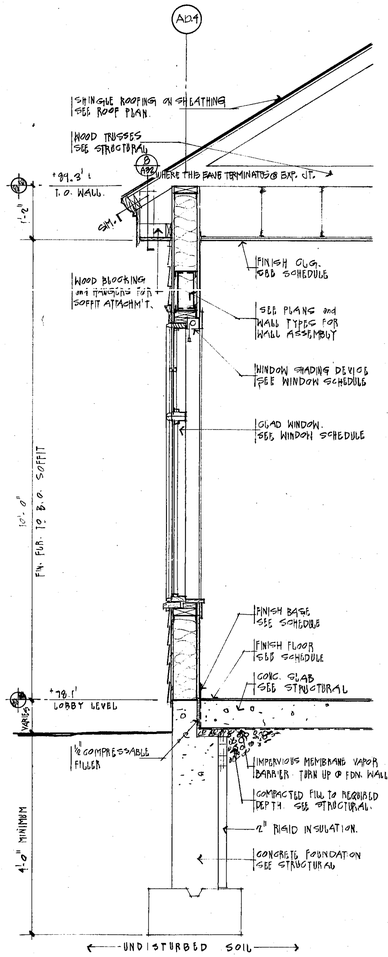
THIS DRAWING











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STAMP

REVISIONS:

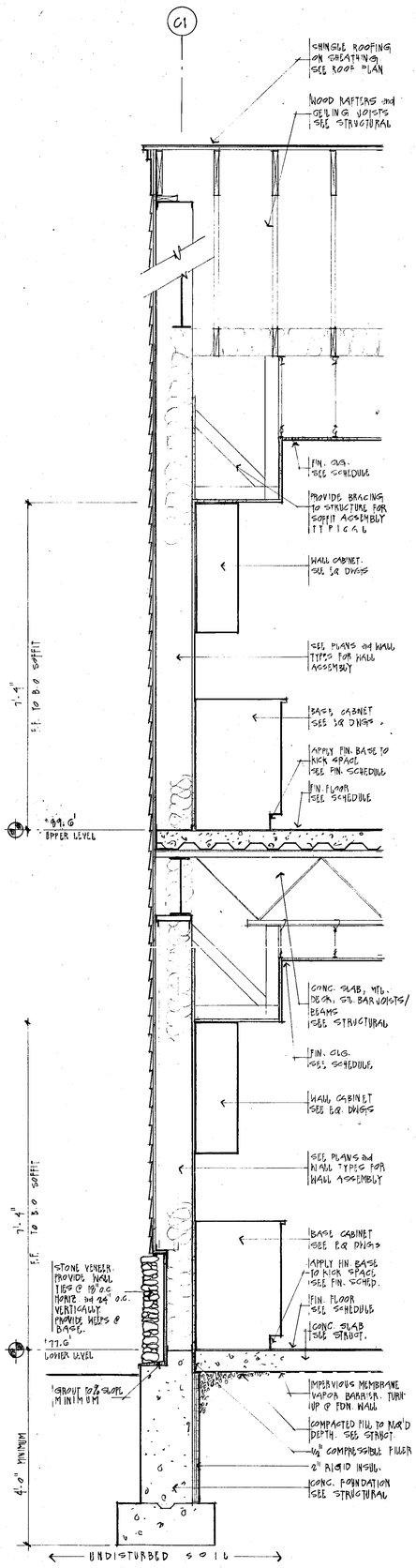
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing A/B: Wall Sections

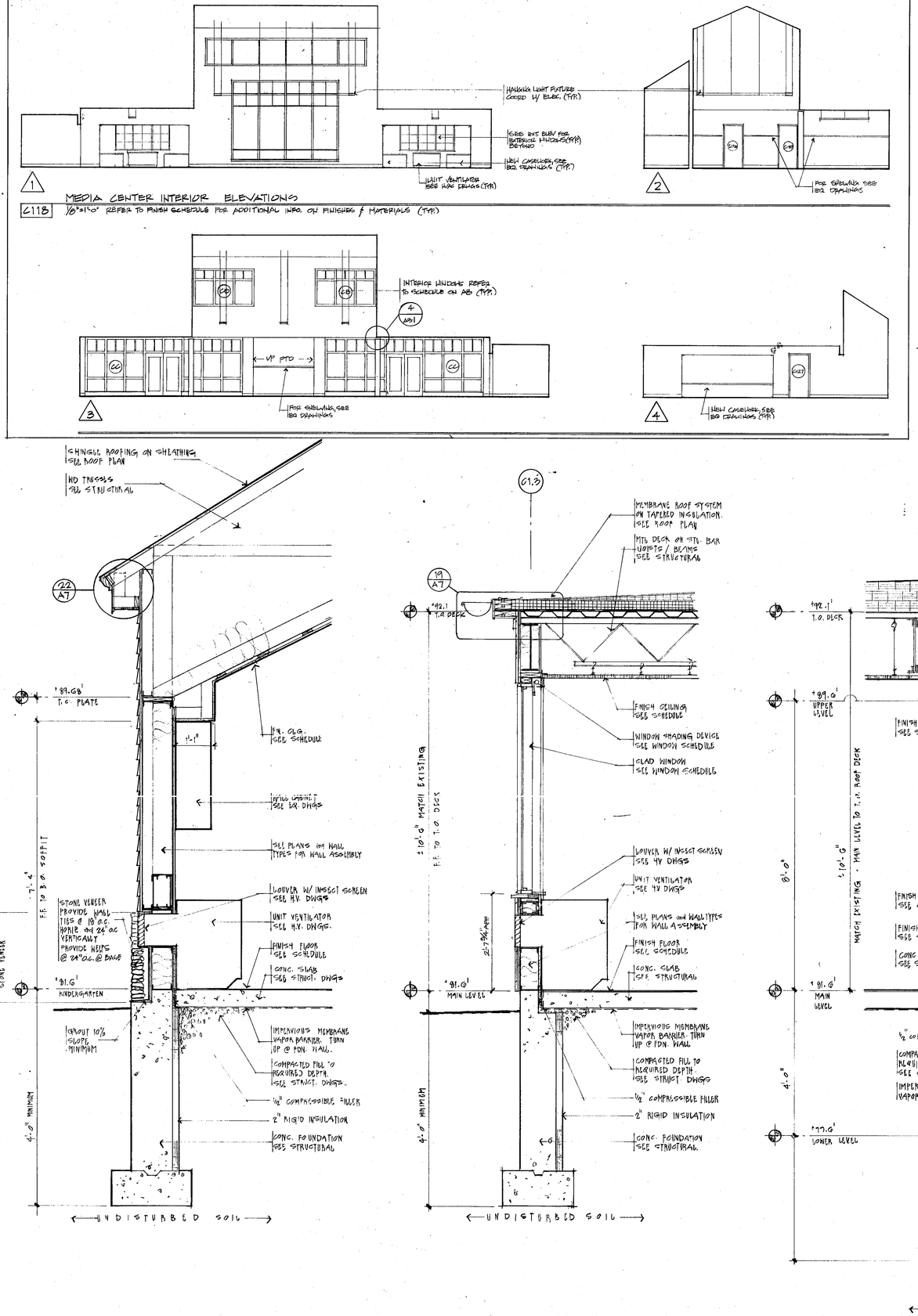
Date: Sept. 23, 1992 Drawn By:
Scale: AS NOTED Job No: 9008 / 9104

SHEET:
A-21

TYPOTECH

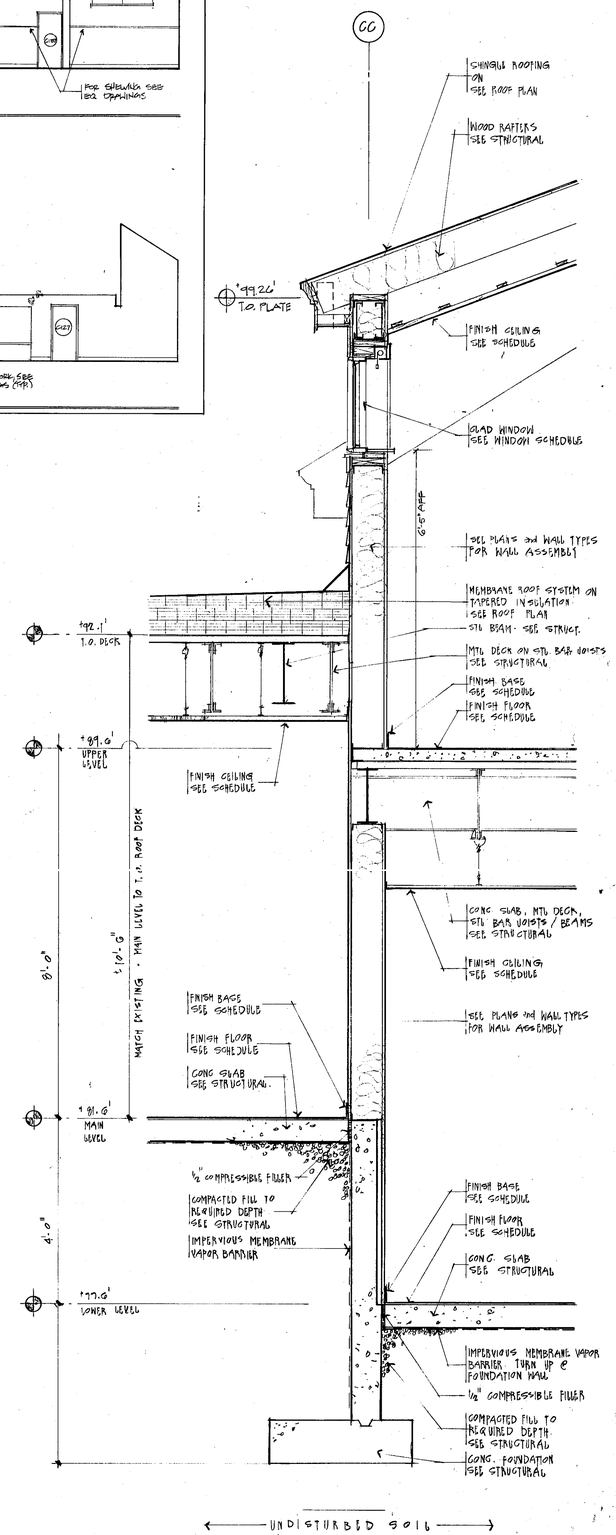


4 WALL SECTION · WING C @ GABLE WALL
3/4" = 1'-0"



3 WALL SECTION · WING B @ KINDERGARTEN
3/4" = 1'-0"

2 WALL SECTION · WING C @ FLAT ROOF
3/4" = 1'-0"



1 WALL SECTION · WING C SHED DORMER @ FLAT ROOF
3/4" = 1'-0"

STAMP

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· ARCHITECTS AND PLANNERS
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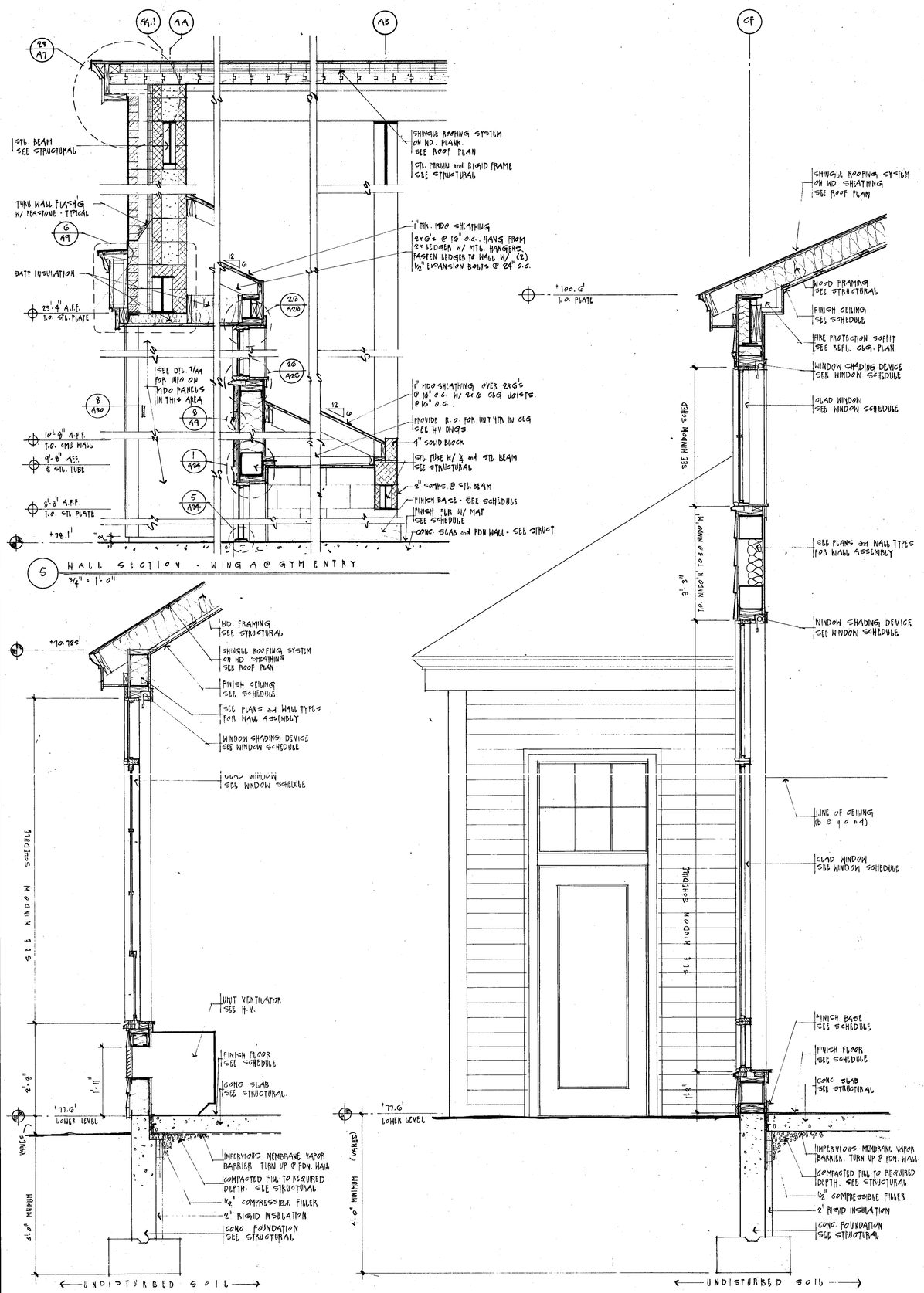
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing B/C - Wall Sections
Wing C - Interior Elevations

Date: SEPT. 23, 1992 Drawn By:
Scale: AS NOTED Job No: 9008/9104

SHEET:
A-22

TYPOTECH



STAMP

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE

HALIFAX ELEMENTARY SCHOOL

AND RELOCATION OF THE

HALIFAX PUBLIC LIBRARY

HALIFAX, MASSACHUSETTS

TITLE:
Wing A/C Wall Sections

Date: ~~Sept. 23, 1992~~ Drawn By:
Scale: AS NOTED Job No: 9008 / 9106

SHEET:
A-23

TYPOTECH

DOOR SCHEDULE • WINGS A, B, and C

REFER TO GHT. A-8 FOR DOOR SCHEDULE, HOLMES LIBRARY.

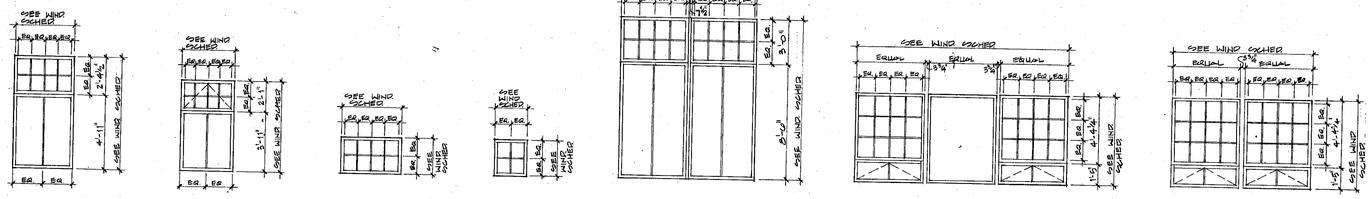
Door No.	From Rm.	To Rm.	Type	Mat'l	Width	Hgt.	Thkns.	Label	Louver W	Louver H	Glass	Hard-Ware Set	Frame Label	Frame Type	Frame Mat'l	Details Jamb	Details Head	Details Sill	Remarks
A100	A103	EXT.	D	AL. CLAD	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP.	–	–	B	H. MTL.	10/A24	16/A24	6/A24	
A 101	A 104	A 103	P	S.C.WD	4'-0"	7'-0"	1 3/4"	–	–	–	–	–	–	B	H. MTL	15/A24	15/A24	2/A24	
A 102	A 103	EXT.	D	ALUM	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP.	–	–	A	WOOD	2/A24	15/A26	6/A24	INSTALL SAFETY GLASS & INTERIOR
A 103	A 103	EXT.	D	AL. CLAD	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP	–	–	A	WOOD	2/A24	15/A26	6/A24	" " " "
A 104	A 103	A 103	H	S.C.WD	4'-0"	7'-0"	1 3/4"	–	–	–	–	–	–	B	H. MTL	15/A24	15/A24	2/A24	
A 105	A 102	A 102	G	S.C.WD	3'-0"	–	1 3/4"	–	–	–	–	–	–	B		15/A24	15/A24	1/A24	
A 106	A 102	A 103	H	S.C.WD	4'-0"	7'-0"	1 3/4"	–	–	–	–	–	–	B		15/A24	15/A24	2/A24	
2 A 107	A 105	A 106	G	S.C.WD	3'-0"	–	1 3/4"	–	–	–	–	–	–	B		7/A24	7/A24	5/A24	* T/A24 BB
3 A 108	A 106	A 103	H	S.C.WD	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP.	–	–	B		7/A24	7/A24	5/A24	INSTALL SAFETY GLASS & INTERIOR
A 109	A 106	A 103	H	S.C.WD	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP	–	–	B		7/A24	7/A24	5/A24	" " " "
A 110	A 107	A 103	G	S.C.WD	3'-0"	7'-0"	1 3/4"	–	–	–	–	–	–	B		7/A24	7/A24	5/A24	
A 111	A 106	EXT.	G	AL. CLAD	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP	–	–	A	WOOD	10/A26	15/A26	6/A24	
3 A 112	A 109	A102B	D	H. MTL.	3'-0"	7'-0"	1 3/4"	–	2'-0"	1'-0"	–	–	–	B	HOLLOW MTL.	16/A24	16/A24	6A/A24	* d/A24 DD
A 112A	A 100	A 112A	G	S.C. WD	3'-0"	–	1 3/4"	–	–	–	–	–	–	B	H. MTL.	10/A24	10/A24	–	
A 112B	A 100	A 102	G	S.C. WD	3'-0"	–	1 3/4"	–	–	–	–	–	–	B	H. MTL.	10/A24	10/A24	–	
2 A 113	A 105	A 106	D	H. MTL	3'-0"	–	1 3/4"	–	2'-0"	1'-0"	–	–	–	B	H. MTL	10/A24	16/A24	6A/A24	* F/A24 DD
A 114	A 106	EXT.	G	AL. CLAD	3'-0"	–	1 3/4"	–	–	–	TEMP	–	–	A	WOOD	10/A26	15/A26	6/A24	* SEE DTL. 1/A1 FOR OFF. JAMB
2 A 115	A 110	A 124	J	H. MTL.	2'-0"	–	1 3/4"	B	–	–	WIRE	B	B	B	H. MTL.	16/A24	16/A24	5/A24	
3 A 116	A 124	A 106	H	H. MTL.	3'-0"	7'-0"	1 3/4"	B	–	–	WIRE	B	B	B		16/A24	16/A24	–	
A 117	A 114	A 113	D	S.C.WD	3'-0"	–	1'-3/4"	–	2'-0"	1'-0"	–	–	–	B		16/A24	16/A24	1/A24	3/4" UNDERCUT
A 118	A 112	A 110	D	S.C.WD	3'-0"	–	1 3/4"	–	2'-0"	1'-0"	–	–	–	B		16/A24	16/A24	3/A24	3/4" UNDERCUT
A 119	A 111	A 110	D	S.C.WD	3'-0"	–	1 3/4"	–	2'-0"	1'-0"	–	–	–	B		16/A24	16/A24	3/A24	3/4" UNDERCUT
A 120	A 111	A 113	D	S.C.WD	3'-0"	–	1 3/4"	–	2'-0"	1'-0"	–	–	–	B		16/A24	16/A24	17A24	3/4" UNDERCUT
2 A 121	A 113	A 124	D	S.C.WD	3'-0"	–	1 3/4"	–	–	–	TEMP	–	–	B		16/A24	16/A24	6A/A24	* F/A24 BB
3 A 122	A 113	A124	C	S.C.HD	3'-0"	–	1 3/4"	–	–	–	TEMP	–	EXIST	–	–	–	–	6A/A24	* F/A24 BB
A 123	A 113	A 116	–	–	–	–	–	–	–	–	–	–	EXIST	–	–	–	–	5/A24	
3 A 124	A 116	A124	C	S.C.HD	3'-0"	–	1 3/4"	–	–	–	TEMP	–	EXIST	–	–	–	–	6A/A24	* d/A24 BB
A 125	A 116	A 117	–	–	–	–	–	–	–	–	–	–	EXIST	–	–	–	–	3/A24 SIM	
3 A 126	A 117	A 124	G	S.C.HD	3'-0"	–	1 3/4"	–	–	–	TEMP	–	EXIST	–	–	–	–	6A/A24	* d/A24 BB
A 127	A 117	EXT.	G	AL. CLAD	3'-0"	–	1 3/4"	–	–	–	TEMP	–	EXIST	–	–	–	–	5/A24	
3 A 128	A 124	C100	J	H. MTL.	3'-0"	7'-0"	1 3/4"	B	–	–	WIRE	B	B	H. MTL.	16/A24	16/A24	6A/A24	* d/A24 DD	
3 A 129	A 119	C100	J	H. MTL.	3'-0"	–	1 3/4"	B	–	–	WIRE	B	B	H. MTL.	16/A24	16/A24	3/A24		
A 130	A 119	EXT.	G	ALUCAD	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP	–	–	A	H. MTL.	–	–	6/A24	
3 A 131	A 115	A 124	D	S.C.HD	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP	–	EXIST	–	–	–	–	6A/A24	* F/A24DD
A 132	A 120	A 124	D	S.C.HD	3'-0"	–	1 3/4"	–	–	–	TEMP	–	EXIST	–	–	–	–	6A/A24	* d/A24BB
A 133	A 120	A 119	–	–	–	–	–	–	–	–	–	–	EXIST	–	–	–	–	3/A24	
3 A 134	A 121	A124	D	H.MTL	3'-0"	–	1 3/4"	–	2'-0"	1'-0"	–	–	–	B	H. MTL	16/A24	16/A24	6/A24	3/4" UNDERCUT
2 A 135	A 122	A 124	D	H.MTL	3'-0"	–	1 3/4"	–	2'-0"	1'-0"	–	–	–	B		–	–	6A/A24	* – BB
2 A 136	A 123	A 124	D	H.MTL	3'-0"	–	1 3/4"	–	2'-0"	1'-0"	–	–	–	B		–	–	4/A24	3/4" UNDERCUT
2 A 137	A 124	A 125	L	H.MTL	3'-0"	2'-0"	1'-3/4"	–	–	–	TEMP	–	–	–	–	–	–	–	
2 A 138	A 130	A 130	L	H.MTL	3'-0"	2'-0"	1'-3/4"	–	–	–	TEMP	–	–	–	–	–	–	–	REVERSE SWEETING FRAME
2 A 139	A 131	A 125	H	S.C.HD	3'-0"	2'-0"	1'-3/4"	–	–	–	TEMP	–	–	–	–	–	–	5/A24	* F/A24 BB
2 A 140	A 129	EXT.	G	ALUCAD	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP	–	–	–	–	–	–	6/A24	
A 141	A 126	EXT.	D	H.MTL	3'-0"	–	1 3/4"	–	–	–	–	–	–	–	–	–	–	5/A24	
2 A 142	A 126	A 130	G	S.C.HD	3'-0"	–	1 3/4"	–	2'-0"	1'-0"	–	–	–	B	H. MTL.	16/A24	16/A24	6A/A24	* F/A24 BB
2 A 143	A 127	A 130	D	H. MTL.	3'-0"	–	1 3/4"	–	2'-0"	1'-0"	–	–	–	B	H. MTL.	16/A24	16/A24	4/A24	
2 A 144	A 128	A 130	D	H. MTL.	2'-8"	–	1 3/4"	–	2'-0"	1'-0"	–	–	–	B	H. MTL.	16/A24	16/A24	2/A24	
2 A 145	A 129	A 130	D	H. MTL.	3'-0"	–	1 3/4"	–	2'-0"	1'-0"	–	–	–	B	H. MTL.	16/A24	16/A24	4/A24	
A 146	A 131	A 130	H	S.C.HD	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP	–	–	B	H. MTL.	11/A24	11/A24	6A/A24	* – BB
2 A 147	A 130	B102	L	H. MTL.	3'-0"	2'-0"	1'-3/4"	–	–	–	TEMP	–	EXIST	–	–	–	–	6/A24	
A 148	A 132	A102	D	H. MTL.	2'-0"	–	1 3/4"	–	–	–	–	–	–	B	H. MTL.	16/A24	16/A24	–	
3 B 100	B 108	EXT.	G	H. MTL.	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP.	–	EXIST	–	–	–	–	B/A24	
B 101	B 100		BOOTH																
2 B 102	B 100	B 108	G	S.C.HD	3'-0"	–	1 3/4"	–	–	–	–	–	EXIST	–	–	–	–	5A/A24	* – BB
2 B 103	B 101	B 102	G	S.C.HD	3'-0"	–	1 3/4"	–	–	–	–	–	EXIST	–	–	–	–	5A/A24	* F/A24 BB
2 B 104	B 101	B 102	G	S.C.HD	3'-0"	–	1 3/4"	–	–	–	–	–	EXIST	–	–	–	–	5A/A24	* – BB
2 B 105	B 106	B 102	BOOTH																
B 106	B 106	B 108	BOOTH																
2 B 107	B 101	B 102	G	S.C.HD	3'-0"	–	1 3/4"	–	–	–	–	–	EXIST	–	–	–	–	5A/A24	* – BB
2 B 108	B 102	B 152	G	S.C.HD	3'-0"	–	1 3/4"	–	–	–	TEMP	–	EXIST	–	–	–	–	5A/A24	* – BB
2 B 109	A 131	B 101	G	S.C.HD	3'-0"	–	1 3/4"	–	–	–	TEMP	–	EXIST	–	–	–	–	5A/A24	* – BB
2 B 110	A 131	B 101	G	S.C.HD	3'-0"	–	1 3/4"	–	–	–	TEMP	–	EXIST	–	–	–	–	5A/A24	* – BB
B 111	B 103	B 101	E	H. MTL.	3'-0"	–	1 3/4"	–	2'-0"	1'-0"	–	–	–	B	H. MTL.	16/A24	16/A24	1/A24	
B 114	B 101	–	R	H. MTL.	2'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	B	H. MTL.	10/A24	16/A24	1/A24	
B 115	B 101	EXT.	D	AL. WD.	3'-0"	–	1 3/4"	–	–	–	TEMP	–	EXIST	–	–	–	–	5/A24	
B 116	B 109	B 101	D	H. MTL.	3'-0"	–	1 3/4"	–	2'-0"	1'-0"	–	–	–	B	H. MTL.	16/A24	16/A24	4/A24	
B 117	B 110	B 101	C	S.C.HD	3'-0"	–	1 3/4"	–	–	–	–	–	–	B	H. MTL.	–	–	1/A24	
B 118	B 101	B 181	C	S.C.HD	3'-0"	–	1 3/4"	–	–	–	TEMP	–	–	B	H. MTL.	–	–	2/A24	
B 119	B 101	B 181	C	S.C.HD	3'-0"	–	1 3/4"	–	–	–	TEMP	–	–	B	H. MTL.	↓	↓	2/A24	
B 120	B 188	B 181	BOOTH																
B 121	B 199	B 181	BOOTH																
B 122	B 180	B 181	BOOTH																
B 123A	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
B 123B	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
B 124	B 180	B 182	BOOTH																
B 125	B 184	B 181	C	S.C.HD	3'-6"	–	1'-3/4"	–	–	–	TEMP.	–	EXIST	–	–	–	–	5A/A24	* – BB
2 B 126	B 181	B 184	BOOTH																
3 B 127	B 184	B 181	C	AL. CLAD	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP	–	–	A	WOOD	10/A26 K	15/A26	6/A24 K	B/A24 @ CENTER SUPPORT
3 B 128	B 181	B 184	C	AL. CLAD	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP	–	–	A	WOOD	10/A26 K	15/A26	6/A24 K	B/A24 @ CENTER SUPPORT
3 B 129	B 182	B 184	G	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B		–	–	5A/A24	* – BB
2 B 130	B 109	B 186	D	H.MTL.	3'-0"	7'-0"	1 3/4"	B	–	–	–	–	–	B		–	–	–	
2 B 131	B 107	B 105	D	H.MTL.	3'-0"	–	1'-3/4"	B	–	–	–	–	–	B		–	–	–	
2 B 132	B 102	–	BOOTH																
2 B 133	B 102	B 103	BOOTH																
2 B 134	B 102	–	BOOTH																
B 135	B 103	B 185	K	S.C.HD	3'-0"	–	1'-3/4"	–	2'-0"	1'-0"	–	–	–	B	H. MTL.	16/A24	16/A24	4/A24	
B 136	B 185	EXT.	G	AL. CLAD	3'-0"	–	1 3/4"	–	–	–	TEMP	–	–	A	WOOD	9/A24 K	3/A24	5/A24 K	* 9IM
2 B 137	B 133	B 184	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	EXIST	–	–	–	–	5/A24	
3 B 138	B 184	B 184	G	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	EXIST	–	–	–	–	6A/A24	* – BB
3 B 139	B 184	B 184	A	S.C.HD	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP	–	–	B		–	–	2/A24	
B 140	B 140	B 185	K	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B		–	–	–	
B 141	B 103	B 185	K	S.C.HD	3'-0"	7'-0"	1 3/4"	–	–	–	–	–	–	B		–	–	1/A24	
2 B 142	B 189	B 191	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	B		–	–	5A/A24	* – BB
B 143	B 133	B 142	K	S.C.HD	3'-0"	–	1'-3/4"	–	2'-0"	1'-0"	–	–	–	B		–	–	5A/A24	* – BB
2 B 144	B 139	B 184	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	B		–	–	6A/A24	* – BB
2 B 145	B 136	B 139	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	B		–	–	6A/A24	* – BB
B 146	B 148	B 186	K	S.C.HD	3'-0"	–	1'-3/4"	–	2'-0"	1'-0"	–	–	–	B		↓	↓	4/A24	
B 147	B 194	DOUBLE DR.	L	H. MTL.	3'-0"	7'-0"	1 3/4"	B	–	–	–	B	B	B		3/4"=6"	6/A24	3/A24	* 9IM
B 148	B 146	B 186	K	S.C.HD	3'-0"	–	1'-3/4"	–	2'-0"	1'-0"	–	–	–	B		10/A24	16/A24	1/A24	
B 149	B 146	B 181	K	S.C.HD	3'-0"	–	1'-3/4"	–	2'-0"	1'-0"	–	–	–	B		–	–	1/A24	
B 150	B 102	B 104	D	H. MTL.	2'-0"	–	1 3/4"	B	–	–	–	–	–	B		–	–	–	
A 001	A 001	EXT.	D	ALUM.	7'-0"	8'-0"	–	–	–	–	–	–	–	B	H. MTL.	3"/A24	19/A24	–	
A 002	A 001	EXT.	D	H. MTL.	8'-0"	8'-0"	1 3/4"	–	–	–	–	–	–	B	H. MTL.	3"/A24	6/A24	–	
A 003	A 002	A 001	D	H. MTL.	8'-0"	–	1 3/4"	–	–	–	–	–	–	B		15/A24	15/A24	–	
A 004	A 003	A 001	D	H. MTL.	3'-0"	–	1 3/4"	B	–	–	–	–	–	B		–	–	–	
A 005	A 004	A 001	D	H. MTL.	3'-0"	–	1'-0"	1 3/4"	B	–	–	–	–	B		–	–	–	

DOOR SCHEDULE • WINGS A, B, and C

REFER TO GHT. A-8 FOR DOOR SCHEDULE, HOLMES LIBRARY.

Door No.	From Rm.	To Rm.	Type	Mat'l	Width	Hgt.	Thkns.	Label	Louver W	Louver H	Glass	Hard-Ware Set	Frame Label	Frame Type	Frame Mat'l	Details Jamb	Details Head	Details Sill	Remarks
B 191	B 148	B 191	K	S.C.HD	3'-0"	–	1 3/4"	–	2'-0"	1'-0"	–	–	–	B	H. MTL.	10/A24	16/A24	6/A24	
B 192	B 191	B 191	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	B		10/A24	10/A24	5A/A24	* – BB
B 193	B 188	B 188	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	B		10/A24	10/A24	5A/A24	* – BB
B 194	B 195	EXT.	G	AL. CLAD	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP	–	–	A	WOOD	4/A24	3/A24	5/A24	
B 195	B 149	B 188	K	S.C.HD	3'-0"	–	1'-3/4"	–	2'-0"	1'-0"	–	–	–	B	H. MTL.	10/A24	10/A24	4/A24	
B 197	B 191	B 188	K	S.C.HD	3'-0"	–	1'-3/4"	–	2'-0"	1'-0"	–	–	–	B	H. MTL.	16/A24	16/A24	1/A24	
B 198	B 196	EXT.	G	AL. CLAD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	A	WOOD	4/A24	3/A24	5/A24	
B 199	B 191	EXT.	G	ALUCAD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	A		4/A24	3/A24	5/A24	
B 160	B 196	EXT.	G	AL. CLAD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	A		4/A24	3/A24	5/A24	
B 161	B 188	EXT.	G	AL. CLAD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	A		4/A24	3/A24	5/A24	
B 162	B 193	EXT.	G	AL. CLAD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	A		10/A24	15/A26	6/A24	
B 163	B 190	B 188	G	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B	H. MTL.	16/A24	16/A24	3/A24 K	* 9IM
B 164	B 127	B 193	G	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B		16/A24	16/A24	5/A24 K	* 9IM
B 165	B 124	B 188	G	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B		16/A24	16/A24	5/A24 K	* 9IM
B 166	B 127	–	G	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B		16/A24	16/A24	3/A24 K	* 9IM
B 167	B 126	B 188	K	S.C.HD	3'-0"	–	1'-3/4"	–	2'-0"	1'-0"	–	–	–	B		16/A24	16/A24	4/A24	
B 168	B 193	B 125	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	B		16/A24	16/A24	1/A24	3/4" UNDERCUT
B 169	B 192	B 188	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B		16/A24	16/A24	3/A24	3/4" UNDERCUT
B 170	B 151	B 188	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B		16/A24	16/A24	3/A24	3/4" UNDERCUT
B 171	B 128	B 116	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B		16/A24	16/A24	3/A24	3/4" UNDERCUT
B 172	B 129	B 125	G	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B		16/A24	16/A24	3/A24	
B 173	B 116	B 102	L	H.MTL.	3'-0"	2'-0"	1'-3/4"	–	–	–	TEMP	–	–	EXIST	–	–	–	6A/A24	* F/A24 BB
B 174	B 172	B 116	D	H.MTL.	3'-0"	–	1'-3/4"	–	2'-0"	1'-0"	–	–	–	EXIST	–	–	–	1/A24	
B 175	B 118	B 116	D	H.MTL.	2'-0"	–	1'-3/4"	–	2'-0"	1'-0"	–	–	–	EXIST	–	–	–	5A/A24	* 2/A24 BB
B 176	B 114	B 116	D	H.MTL.	3'-0"	–	1'-3/4"	–	2'-0"	1'-0"	–	–	–	B	H. MTL.	16/A24	16/A24	4/A24	
B 177	B 161	–	G	S.C.HD	2'-0"	–	1'-3/4"	–	–	–	–	–	–	EXIST	–	–	–	5/A24	
B 178	B 118	B 116	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	–	–	–	–	5A/A24	* 2/A24 BB
B 179	B 116	B 117	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1/A24	
B 180	B 117	B 116	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	–	–	–	–	5A/A24	* 2/A24 BB
B 181	B 117	B 118	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	6/A24	
B 182	B 118	B 116	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	–	–	–	–	5A/A24	* 2/A24 BB
B 183	B 118	B 119	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3/A24 K	* 9IM
B 184	B 119	B 120	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	–	–	–	–	5A/A24 K	* 2/A24 BB
B 185	B 120	C 198	J	H.MTL.	3'-0"	2'-0"	1'-3/4"	B	–	–	WIRE	B	B	H.MTL.	16/A24	16/A24	5/A24		
B 186	B 121	B 120	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	EXIST	–	–	–	–	5A/A24	* 2/A24 BB
B 187	B 116	B 120	L	H.MTL.	3'-0"	2'-0"	1'-3/4"	–	–	–	TEMP	–	–	–	–	–	–	5/A24	
B 188	B 122	B 121	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1/A24	
B 189	B 122	B 116	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	–	–	–	–	5A/A24	* 2/A24 BB
B 190	B 123	B 122	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3/A24 K	* 9IM
B 191	B 123	B 116	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	–	–	–	–	3/A24 K	* 2/A24 BB
B 192	B 124	B 116	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	B	H.MTL.	10/A24	16/A24	3/A24	
C 100A	A 119	C 100	O	ALCAD	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP	–	–	A	WOOD	4/A24	10/A26	5/A24	
C 100	C 100	EXT.	O	ALCAD	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP	–	–	A	WOOD	4/A24	18/A24	5/A24	
C 101	C 101	C 100	G	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B	H. MTL.	16/A24	16/A24	3/A24	
C 102	C 100	C 100	A	S.C.HD	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP	–	–	B	H. MTL.	16/A24	16/A24	5/A24	
C 103	C 102	C 100	G	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B	↓	↓	16/A24	3/A24	
C 104	C 100	EXT.	G	ALCAD	3'-0"	7'-0"	1 3/4"	–	–	–	TEMP	–	–	A	WOOD	4/A24	19/A26	5/A24	
C 105	C 104	C 101	G	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B	H. MTL.	16/A24	16/A24	3/A24 K	* 9IM
C 106	C 104	C 103	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	B		–	–	9/A24	
C 107	C 101	C 103	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	B		–	–	–	
C 108	C 105	C 103	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	B		–	–	–	
C 109	C 102	C 103	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	B		↓	↓	↓	
C 110	C 108	C 103	G	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B		–	–	5/A24 K	* 9IM
C 111	C 108	C 119	F	S.C.HD	3'-0"	3'-0"	1'-3/4"	–	–	–	–	–	–	B		↓	↓	5/A24	
C 118	C 109	C 119	K	S.C.HD	3'-0"	–	1'-3/4"	–	2'-0"	1'-0"	–	–	–	B	H. MTL.	10/A24	16/A24	4/A24	
C 113	C 119	C 106	J	H. MTL.	3'-0"	–	1'-3/4"	B	–	–	WIRE	B	B	B		16/A24	16/A24	5/A24	
C 114	C 100	EXT.	D	H.MTL.	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B		5/A24	5/A24	5/A24	
C 119	C 110	C 119	G	ALCAD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	A	WOOD	11/A24 K	3/A24	5/A24 K	* 10/A26
C 116	C 111	C 110	G	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B	H.MTL.	10/A24	16/A24	3/A24 K	* 9IM
C 117	C 111	EXT.	G	AL. CLAD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	A	WOOD	11/A24 K	3/A24	5/A24 K	* 10/A26
C 118	C 110	C 114	G	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B	H. MTL.	16/A24	16/A24	5/A24 K	* 9IM
C 119	C 110	C 119	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	B				5/A24	
C 120	C 111	C 119	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	B		↓	↓	↓	
C 123	C 114	C 119	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	B	↓	↓	↓	↓	
C 125	C 114	EXT.	G	AL. CLAD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	A	WOOD	11/A24 K	3/A24	5/A24 K	* 10/A26
C 126	C 115	EXT.	G	AL. CLAD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	A	WOOD	11/A24 K	3/A24	5/A24 K	* 10/A26
C 127	C 115	C 119	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	B	H. MTL.	16/A24	16/A24	3/A24 K	* 9IM
C 128	C 116	C 119	D	H.MTL.	3'-0"	–	1'-3/4"	–	2'-0"	1'-0"	–	–	–	B				1/A24	
C 129	C 119	F	G.C.HD	3'-0"	3'-0"	1'-3/4"	–	–	2'-0"	1'-0"	–	–	–	B		↓	↓	↓	5/A24
C 130	C 119	C 119	A	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	A	WOOD	3/A24	3/A24	5/A24	
C 131	C 119	C 119	G	AL. CLAD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	A		4/A24	3/A24	5/A24	
C 132	C 118	EXT.	G	AL. CLAD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	A		4/A24	3/A24	5/A24	
C 133	C 119	EXT.	G	AL. CLAD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	A		4/A24	3/A24	5/A24	
C 134	C 119	EXT.	G	AL. CLAD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	A		3/A24	15/A26	↓	
C 135	C 118	C 119	A	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	A	↓	3/A24	3/A24	5/A24	
C 136	C 118	C 120	C	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	TEMP	–	–	B	H.MTL.	16/A24	16/A24	3/A24 K	* 9IM
C 137	C 118	C 121	G	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B				7/A24	
C 138	C 119	–	G	S.C.HD	3'-0"	–	1'-3/4"	–	–	–	–	–	–	B				5/A

WINDOW TYPES: WINGS A, B AND C. (REFER TO SHT. A-8 FOR WINDOW TYPES @ HOLMES LIBRARY.)



(A') GYMNASIUM WINDOW (SIDE ELEVATION)

(A) GYMNASIUM WINDOW (ENTRY ELEVATION) 1/4"=1'-0"

(B) P.E. OFFICE WINDOW 1/4"=1'-0"

(C) GYMNASIUM WINDOW 1/4"=1'-0"

(D) WING 'C' NORTH DORMERS/ GYM TOILET RM. WINDOW 1/4"=1'-0"

(E) GYMNASIUM ENTRY WINDOW 1/4"=1'-0"

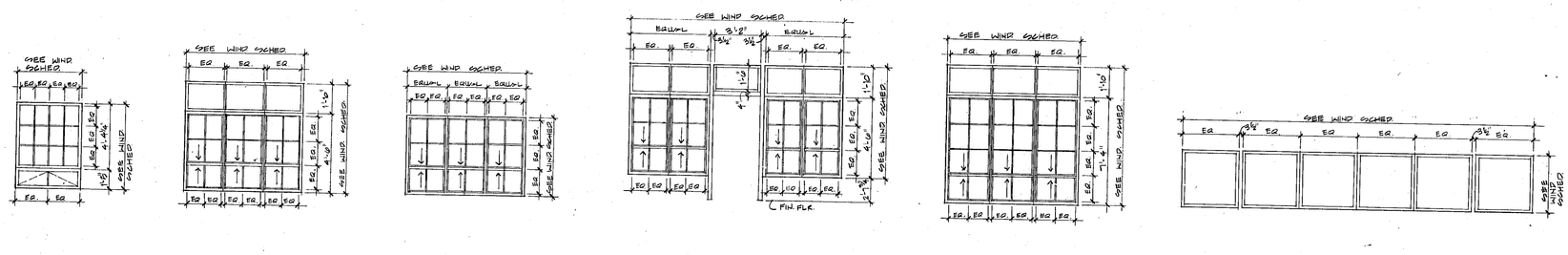
(F) CLASSROOM WINDOW UNIT (NEW CONSTRUCTION)

(F') CLASSROOM WINDOW UNIT (RENOVATED CONSTRUCTION) 1/4"=1'-0"

(G) COURTYARD WINDOW (REPLACEMENT @ EXIST. SOUTH ELEVATION.) 1/4"=1'-0"

WINDOW SCHEDULE • WINGS A, B, and C (REFER TO SHT. A-8 FOR WINDOW SCHEDULE, HOLMES LIBRARY.)

MARK	FRAME SIZE Width	FRAME SIZE Height	TYPE	OPERATION	DETAILS Head	DETAILS Jamb	DETAILS Sill	DETAILS Mullion	GLAZING TYPE	COMMENTS
A	5'-5"	4'-11"	ALUM. CLAD	SWEEP	3/A28	3/A28	3/A28		1" INSUL. GL.	
B	5'-5"	6'-0"	ALUM. CLAD	AWNING / FIXED	3/A28	3/A28	3/A28	2"/A28	1" INSUL. GL.	
D	2'-1"	2'-5"	ALUM. CLAD	FIXED	3/A28	3/A28	3/A28		1" INSUL. GL.	
E	2'-1"	1'-7 1/2"	ALUM. CLAD	FIXED	3/A28	3/A28	3/A28		1" INSUL. GL.	
B/C (F)	13'-6 3/4"	5'-9 1/2"	ALUM. CLAD	FIXED/AWNING	3/A28	3/A28	3/A28	2"/A28	1" INSUL. GL.	
C	2'-1"	5'-9 1/2"	ALUM. CLAD	FIXED/AWNING	3/A28	3/A28	3/A28	2"/A28	1" INSUL. GL.	#1, 2, 3, 5, 8, 9, 21/A28
H	4' 5 3/4"	5'-9 1/2"	ALUM. CLAD	FIXED/AWNING	3/A28	3/A28	3/A28	2"/A28	1" INSUL. GL.	
K	5'-5 3/4"	4'-11"	ALUM. CLAD	FIXED/AWNING	11/A28	11/A28	11/A28	11/A28	1" INSUL. GL.	
J	5'-2 1/8"	4'-0"	ALUM. CLAD	DBLE. HUNG	9/A28	8/A28, 10/A28	9/A28	2"/A28	1" INSUL. GL.	
K	5'-5 3/4"	4'-11"	ALUM. CLAD	FIXED	3/A28	3/A28	3/A28	2"/A28	1" INSUL. GL.	
L	5'-5 3/4"	4'-5 3/4"	ALUM. CLAD	FIXED/ D HUNG	10/A28	8/A28, 10/A28	9/A28	2"/A28	1" INSUL. GL.	
M	2'-2 1/2"	4'-11"	ALUM. CLAD	FIXED	3/A28	3/A28	3/A28	2"/A28	1" INSUL. GL.	
N	16'-6 1/2"	12'-5"	ALUM. CLAD	FIXED/AWNING	3/A28	3/A28	3/A28	2"/A28	1" INSUL. GL.	
O	12'-2"	11'-2"	ALUM. CLAD	FIXED	3/A28	3/A28	3/A28	2"/A28	1" INSUL. GL.	
P	12'-4"	11'-2"	ALUM. CLAD	FIXED/AWNING	3/A28	3/A28	3/A28	2"/A28	1" INSUL. GL.	
Q	11'-1"	7'-0"	ALUM. CLAD	FIXED	3/A28	8/A28, 10/A28	10/A28	2"/A28	1" INSUL. GL.	
R	11'-1"	7'-0"	ALUM. CLAD	FIXED	3/A28	8/A28, 10/A28	10/A28	2"/A28	1" INSUL. GL.	
S	19'-4 3/4"	7'-3 1/2"	ALUM. CLAD	FIXED	3/A28	8/A28, 10/A28	10/A28	2"/A28	1" INSUL. GL.	
T	19'-4 3/4"	7'-3 1/2"	ALUM. CLAD	FIXED	3/A28	8/A28, 10/A28	10/A28	2"/A28	1" INSUL. GL.	
U	13'-5 3/4"	5'-9 1/2"	ALUM. CLAD	FIXED	3/A28	8/A28, 10/A28	10/A28	2"/A28	1" INSUL. GL.	
V/V'	6'-1"	1'-1"	ALUM. CLAD	FIXED	3/A28	8/A28	10/A28	—	1" INSUL. GL.	
W	31'-2"	2'-0 3/4"	ALUM. CLAD	FIXED	11/A28	8/A28	10/A28	—	1" INSUL. GL.	#1, 2, 3, 5, 8, 9, 21/A28
X	VARIES *	VARIES *	STORM WINDOW	REMOVABLE LITES	7/A12	7/A12	7/A12	9/A25	1/8" INSUL. GL.	
									DOOR SHEET	* DIMENSIONS VARY FIELD VERIFY ALL LOCATIONS



(H) COURTYARD WINDOW (REPLACEMENT @ EXIST. SOUTH ELEVATION.) 1/4"=1'-0"

(I) CLASSROOM WINDOW UNIT @ WING 'C' 1/4"=1'-0"

(J) KINDERGARTEN WINDOW UNIT 1/4"=1'-0"

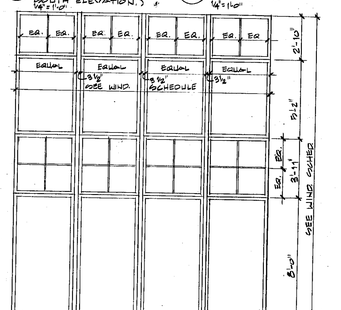
(K) ADMINISTRATION WINDOW UNIT 1/4"=1'-0"

(L) MEDIA CENTER WINDOW UNIT 1/4"=1'-0"

(M) MEDIA CENTER WINDOW UNIT 1/4"=1'-0"

(N) MEDIA CENTER WINDOW UNIT 1/4"=1'-0"

(W) MEDIA CENTER ENTRY WINDOW UNIT 1/4"=1'-0"



(O) COURTYARD WINDOW UNIT @ WING 'C' (NORTH ELEVATION) 1/4"=1'-0"

(P) COURTYARD WINDOW UNIT @ WING 'C' (NORTH ELEVATION) 1/4"=1'-0"

(Q') GYMNASIUM LOBBY ENTRY WINDOW UNIT

(Q) GYMNASIUM SIDE ENTRY WINDOW UNIT 1/4"=1'-0"

(R) MAIN ENTRY WINDOW UNIT 1/4"=1'-0"

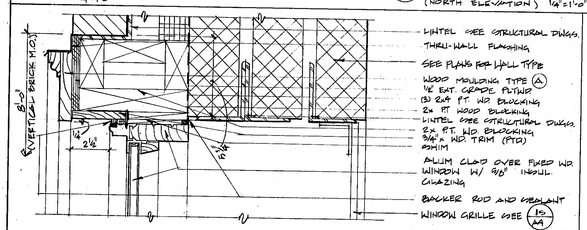
(S) STAIRWAY WINDOW @ WING 'C' 1/4"=1'-0"

(T) GYM LOBBY RAMP AREA WINDOW UNIT 1/4"=1'-0"

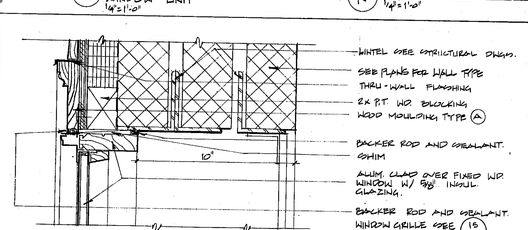
(U) KINDERGARTEN WINDOW UNIT (NORTH ELEVATION) 1/4"=1'-0"

(V') GYMNASIUM ENTRY WINDOW UNIT

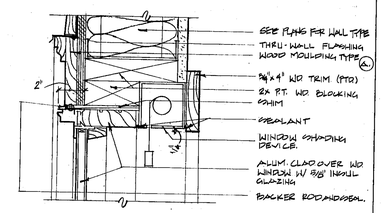
(V) COURTYARD BREEZAGE WINDOW UNIT 1/4"=1'-0"



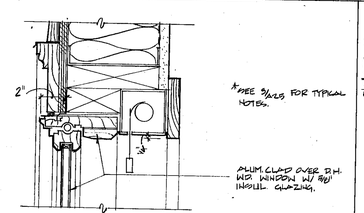
(5) GYMNASIUM WINDOW SECTION 3"=1'-0"



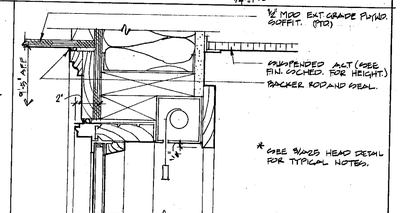
(4) GYMNASIUM WINDOW SECTION 3"=1'-0"



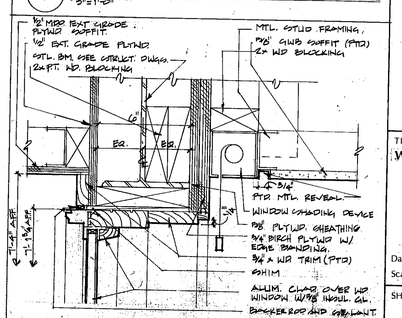
(3) WINDOW SECTION (FIXED OR AWNING) 3"=1'-0"



(2) WINDOW SECTION (DOUBLE-HUNG) 3"=1'-0"



(1) WINDOW HEAD DETAIL @ WING 'C' 1ST FLR. CLASSRM. 3"=1'-0"



(6) WINDOW HEAD DETAIL @ KINDERGARTEN (SOUTH ELEVATION) 3"=1'-0"

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

STAMP

REVISIONS:

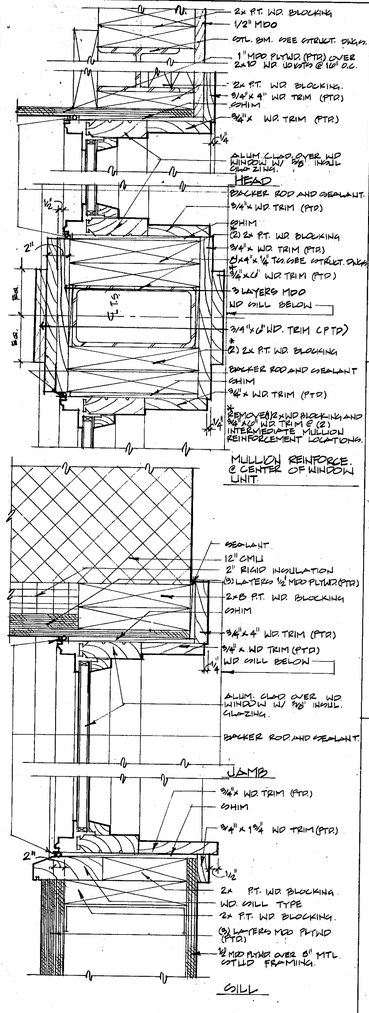
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Window Schedule / Details

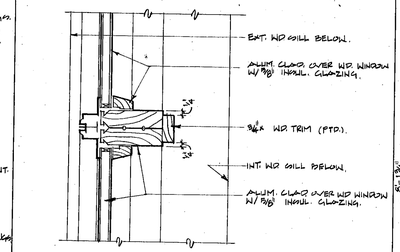
Date: SEPTEMBER 1992 Drawn By:
Scale: AS NOTED Job No: 9008 / 9104

SHEET:
A-23

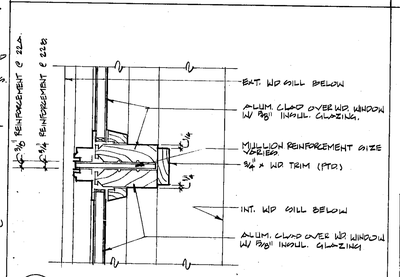
TYPOTECH 180273



26 GYMNASIUM MAIN ENTRY WINDOW
3/4" = 1'-0"

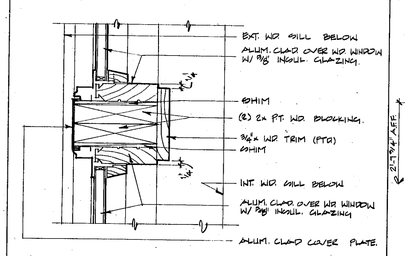


21 WINDOW MULLION DETAIL
3/4" = 1'-0"

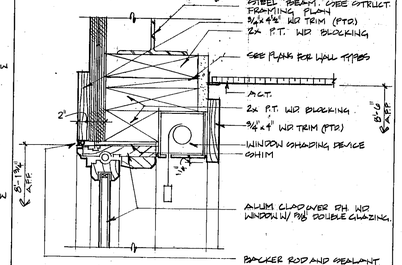


22A WINDOW MULLION REINFORCEMENT DETAIL
3/4" = 1'-0"
(5/8" REINFORCEMENT)

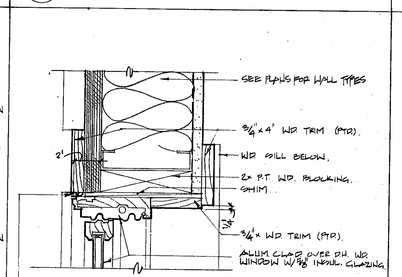
22B WINDOW MULLION REINFORCEMENT. DETAIL
3/4" = 1'-0"
(3/4" REINFORCEMENT)



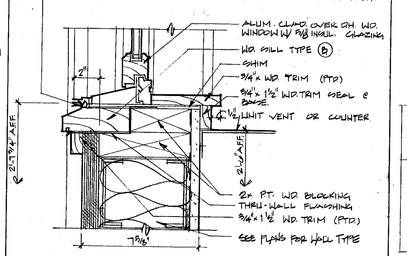
23 WINDOW MULLION REINFORCEMENT DETAIL
3/4" = 1'-0"



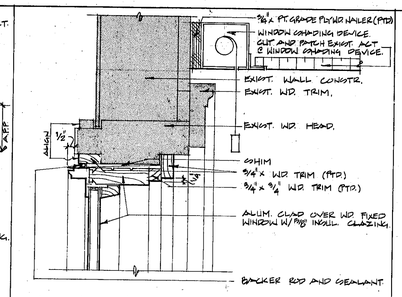
16 WINDOW HEAD DETAIL @ KINDERGARTEN
3/4" = 1'-0"
(NORTH ELEVATION)



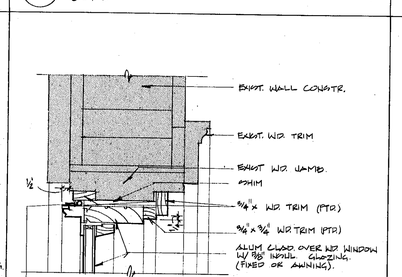
17 WINDOW JAMB DETAIL @ KINDERGARTEN
3/4" = 1'-0"
(NORTH ELEVATION)



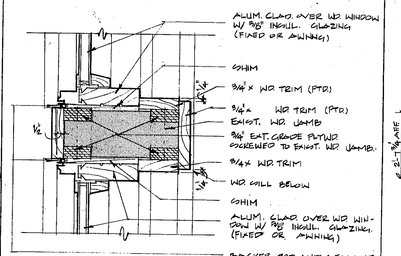
18 WINDOW SILL DETAIL @ KINDERGARTEN
3/4" = 1'-0"
(NORTH ELEVATION)



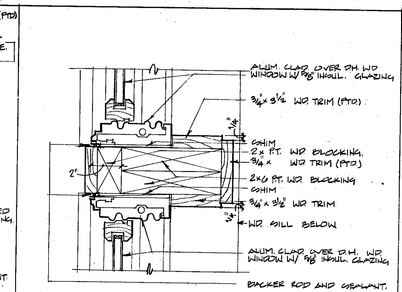
11 WINDOW HEAD DETAIL @ EXIST. CONSTR.
3/4" = 1'-0"



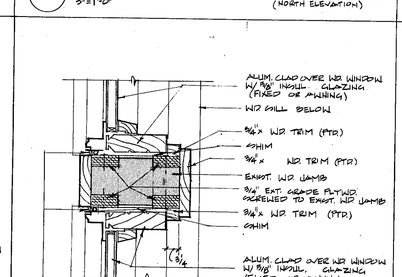
12 WINDOW JAMB DETAIL @ EXIST. CONSTR.
3/4" = 1'-0"



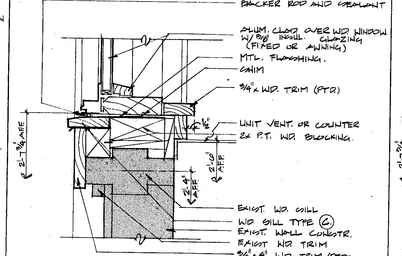
13 WINDOW JAMB DETAIL @ EXIST. CONSTR.
3/4" = 1'-0"



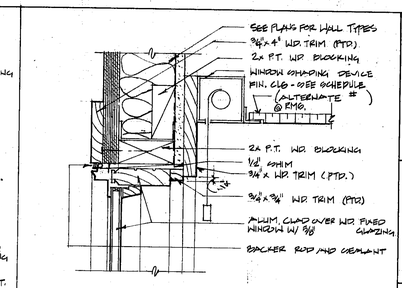
6 WINDOW JAMB DETAIL @ KINDERGARTEN
3/4" = 1'-0"
(NORTH ELEVATION)



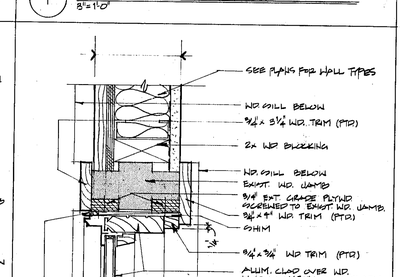
7 WINDOW JAMB DETAIL @ EXIST. CONSTR.
3/4" = 1'-0"



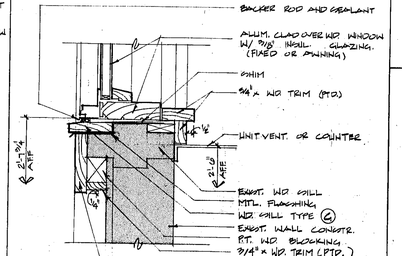
8 WINDOW SILL DETAIL @ EXIST. CONSTR.
3/4" = 1'-0"
WING B



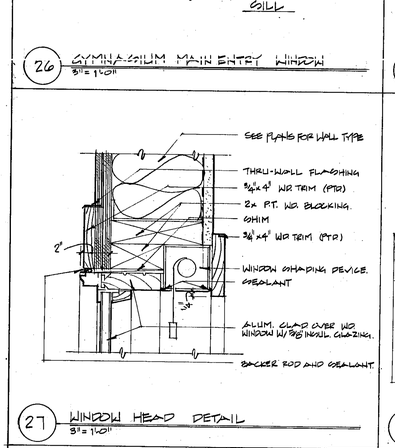
1 WINDOW HEAD DETAIL @ EXIST. CONSTR.
3/4" = 1'-0"



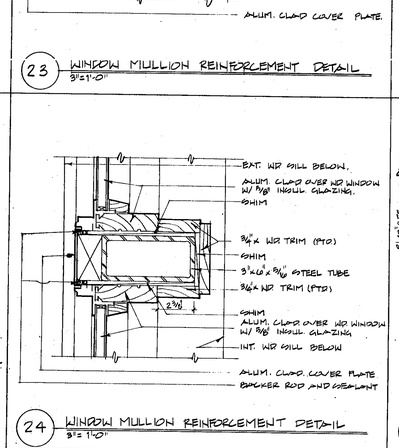
2 WINDOW JAMB DETAIL @ EXIST. CONSTR.
3/4" = 1'-0"



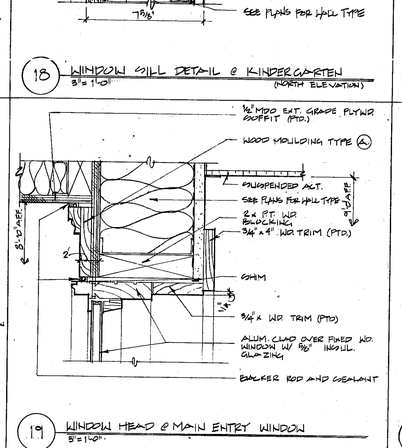
3 WINDOW SILL DETAIL @ EXIST. CONSTR.
3/4" = 1'-0"
WING A



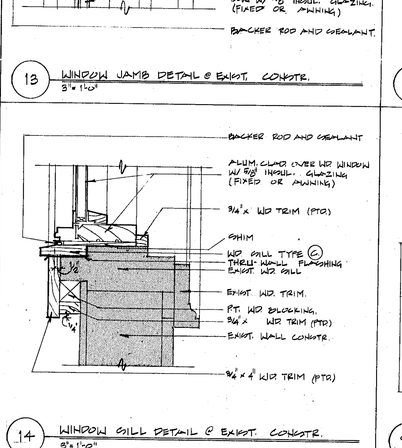
27 WINDOW HEAD DETAIL
3/4" = 1'-0"



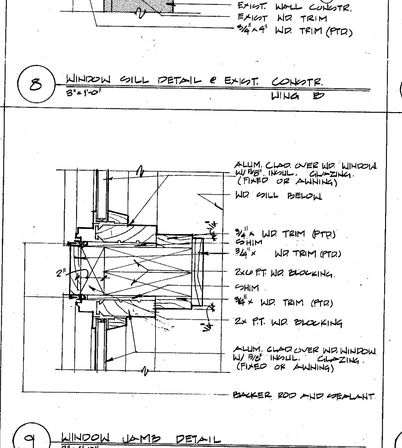
24 WINDOW MULLION REINFORCEMENT DETAIL
3/4" = 1'-0"



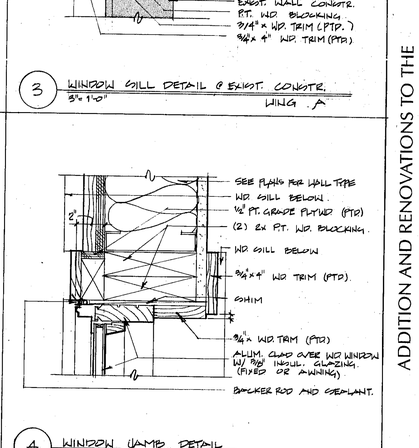
19 WINDOW HEAD @ MAIN ENTRY WINDOW
3/4" = 1'-0"



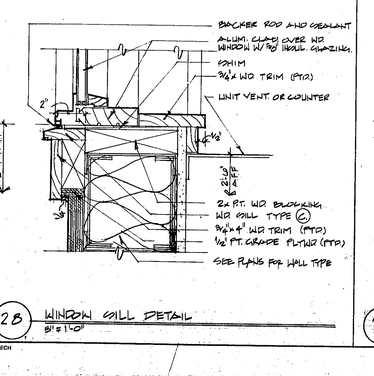
14 WINDOW SILL DETAIL @ EXIST. CONSTR.
3/4" = 1'-0"



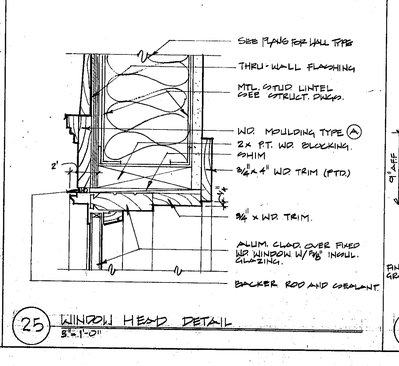
9 WINDOW JAMB DETAIL
3/4" = 1'-0"



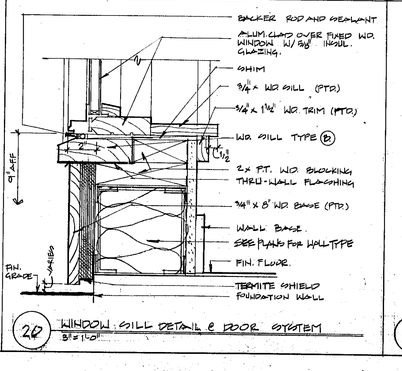
4 WINDOW JAMB DETAIL
3/4" = 1'-0"



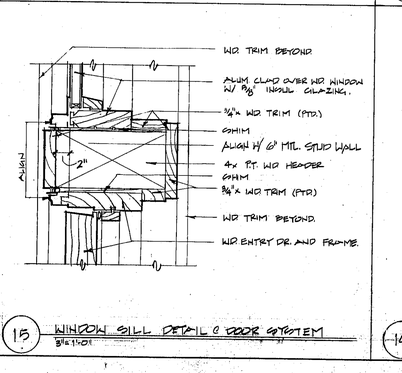
28 WINDOW SILL DETAIL
3/4" = 1'-0"



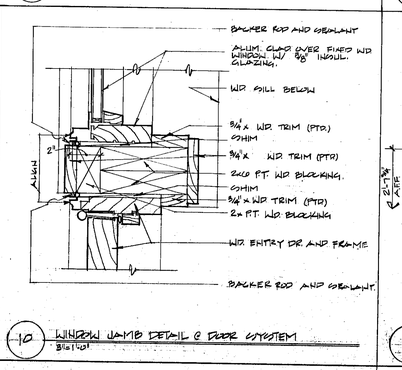
25 WINDOW HEAD DETAIL
3/4" = 1'-0"



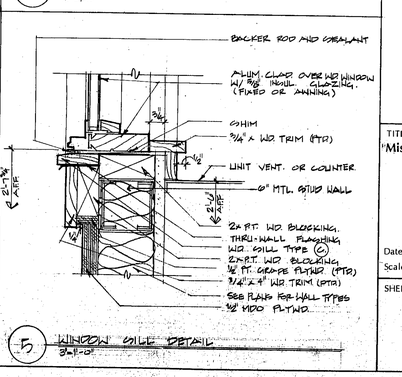
26 WINDOW SILL DETAIL @ DOOR SYSTEM
3/4" = 1'-0"



15 WINDOW SILL DETAIL @ DOOR SYSTEM
3/4" = 1'-0"



10 WINDOW JAMB DETAIL @ DOOR SYSTEM
3/4" = 1'-0"



5 WINDOW SILL DETAIL
3/4" = 1'-0"

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

STAMP

REVISIONS:

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Miscellaneous Window Details

Date: SEPT 08 1992 Drawn By:
Scale: Job No: 9008 / 9104

SHEET:

A-26

TYPOTECH

ROOM FINISH SCHEDULE – WINGS A,B, & C

REFER TO SHEET A-8 FOR FINISH SCHEDULE, HOLMES LIBRARY

RM. NO.	RM. NAME	FLOOR: Mat'l.	FLOOR: Finish	WALLS: No. 1 SOUTH Mat'l.	No. 1 SOUTH Finish	No. 2 WEST Mat'l.	No. 2 WEST Finish	No. 3 NORTH Mat'l.	No. 3 NORTH Finish	No. 4 EAST Mat'l.	No. 4 EAST Finish	BASE: Mat'l.	BASE: Finish	CEILING: Mat'l. (TYP.)	CEILING: Finish	Hgt.	Dtl.	COMMENTS	ALTERN.
A001	STORAGE	CONC	PAINT	CONC	PTD	CONC	PTD	CMU/CONC	PTD	CONC	PTD	VCB	–	WDE (10)	PTD	8'-10½"			
A002	STORAGE	CONC	–	CMU	PTD	CMU	PTD	CONC	PTD	CONC	PTD			HONE (10)	PTD	8'-10½"			
A003	ELEC. ROOM	CONC	–	CMU	PTD	CMU	PTD	CONC	PTD	CMU	PTD			GWB (10)	PTD	8'-9½"	1/A12	2 HR. ENCLOSURE	
A004	ELEC. ROOM	CONC	↓	CMU	PTD	CONC	PTD	CONC	PTD	CMU	PTD	↓	–	GWB (10)	PTD	8'-9½"	1/A12		
A100	VESTIBULE	WD	POLY	CMU	PTD	CMU	PTD	CMU	PTD	–	–	WD	POLY	WD(10)/CONC(6)	PAINT/PTD	*		* SEE BLDG. SECTIONS	
A101	STAIRWELL	VCT/TILE	–	CONC	PTD	CONC	PTD	CONC	PTD	CMU	PTD	VCB	–	GWB (10)	PTD				
A102	BOILER ROOM	VCT	–	CMU	PTD	CMU	PTD	CMU	PTD	–	–	WD	POLY	ACT (2)	–	10'-0"			3
A103	GYMNASIUM	WD	POLY		PTD		PTD		PTD		PTD			WOOD (7)	POLY	*		* SEE BLDG. SECTIONS	
A104	STORAGE	VCT	–		PTD		PTD		PTD		PTD			EXIS (10)	PTD	*			
A105	STORAGE	VCT	–		PTD		PTD		PTD		PTD	↓	–	GWB (10)	PTD	*			
A106	LOBBY	TERR.*	POLISH	VP	PTD	VP/CT	PTD	VP/CT	PTD	VP/CT	PTD	VCB/CT	–	ACT (1)	–	10'-0"		* VCT BORDER PAINT/PTD, TYP. EDGE DTL.	1,6
A107	OFFICE	VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (2)	–	9'-0"			
A108	BOOKS ROOM	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–	8'-6"		* SANITARY COVE	
A109	GIRLS ROOM	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–	8'-6"		* SANITARY COVE	
A110	MUSIC ROOM	CPT/VCT	–	EXIST	WD/PTD	GWB	PTD	EXIST	PTD	EXIST	PTD	EXIST/VCB	–	ACT (1)	–	9'-0"		SEE NOTE A	
A111	STORAGE	VCT	–	GWB	PTD	GWB	PTD	EXIST	PTD	GWB	PTD	VCB	–	ACT (2)	–	9'-0"		SEE NOTE A	
A112	RAMP	TERR.*	POLISH	VP	PTD	VP	PTD	VP	PTD	–	–	VCB	–	ACT (1)	–	VARIES		* RUBBER (C.B), SEE INT. ELEVS	
A112A	RAMP																		
A113	ART ROOM	VCT	–	EXIST/VP	PTD	EXIST	PTD	EXIST	PTD	GWB	PTD	VCB	–	ACT (1)	–	9'-0"			
A113A	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (2)	–	9'-0"			
A114	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (2)	–	9'-0"			
A115	CLASSROOM	CPT/VCT	–	VP	PTD	EXIST/GWB	PTD	EXIST	PTD	EXIST/GWB	PTD	EXIST	–	ACT (1)/GWB	–	* MATCH E		SEE NOTE 4, * CPT/EXIST (B.B.), + EXIST/PTD (B)	4,6
A116	CLASSROOM	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		↓	4,6
A117	CLASSROOM	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		↓	4,6
A118	REMEDIAL	CPT/VCT			GWB							EXIST/VCB		ACT (5)	–			SEE NOTE A	
A119	REMEDIAL	CPT/VCT			EXIST/GWB					GWB		EXIST/VCB		ACT (5)	–				
A120	SPECIAL ED.	CPT/VCT	*	↓	↓	↓	↓	↓	↓	EXIST/GWB	*	VCT	↓	ACT (5)	*			SEE NOTE A, * CPT/EXIST (B.B.), + EXIST/PTD (B)	4,6
A121	GIRLS ROOM	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–	8'-6"		* SANITARY COVE	
A122	JANITOR CLOSET	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST		SEE NOTE A	
A123	BOYS ROOM	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–	8'-6"		* SANITARY COVE	
A124	CORRIDOR	TERR.*	POLISH	EXIST	PTD	EXIST/GWB	PTD	GWB	PTD	EXIST/GWB	PTD	VCB	–	ACT (1)	–	MATCH E		VCT 'X' BASE PAINT/PTD/SEE DTL B	2
A125	CORRIDOR	TERR.*	POLISH	EXIST/C	PTD/C	EXIST	–	EXIST	PTD	EXIST	–	VCB	–	ACT (1)	–	MATCH E		VCT CBASE DTL/SEE DTL B	3
A126	JANITORS ROOM	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	PTD	EXIST		SEE NOTE A	
A127	MENS ROOM	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–	8'-6"		* SANITARY COVE	
A128	WOMENS RM.	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	↓	–	8'-6"			
A129	WOMENS RM.	CT	–	CT	–	CT	–	CT	–	CT	–	↓	–	↓	–	MATCH E			
A130	CORRIDOR	TERR.*	POLISH	EXIST/GWB	–	EXIST	–	EXIST	PTD	EXIST	–	VCB	–	ACT (1)	–	MATCH E		* VCT (CBASE DTL) SEE NOTE A	3
A131	CAFETERIA	VCT. *	–	EXIST/GWB	PTD	EXIST/GWB	–/PTD	EXIST	PTD	EXIST	–	VCB	–	EXIST/	PTD	GWB		* EXIST (CBASE DTL)	2
A132	ELEC. ROOM	VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	GWB	PTD	GWB		2 HR. ENCLOSURE	
A201	MECH. AREA	CONC	BROOM	CMU	PTD	–	–	CMU	PTD	–	–	VCB	–	WOOD (7)	POLY	*		* SEE BLDG SECTIONS	
B001	BOILER ROOM	EXIST	EXIST	EXIST	PTD	EXIST	PTD	EXIST	PTD	EXIST	PTD	–	–	EXIST	PTD	EXIST		SEE NOTE A	
B100			EXIST	EXIST	PTD	EXIST	PTD	EXIST	PTD	GWB	PTD	EXIST/VCB	–	ACT (2)	–	MATCH E			
B101			EXIST	EXIST	PTD	EXIST	PTD	EXIST	PTD	EXIST	PTD	EXIST	EXIST	EXIST	PTD	EXIST		↓	
B102	CORRIDOR	TERR.*	–	EXIST/GWB	PTD/GWB	GWB	PTD	EXIST/GWB	PTD	GWB	PTD	EXIST/GWB	–	ACT (1)	–	MATCH E		* VCT (BASE DTL), * SEE INT. ELEVS	8
B123	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (6)	–	9'-0"			
B124	NOT USED																		
B125	NOT USED																		
B126	STAIRWELL	EXIST	–	EXIST	PTD	EXIST	PTD	GWB	PTD	EXIST	PTD	EXIST/VCB	–	EXIST	PTD	EXIST		SEE NOTE A	
B127	KITCHEN	KIT. VINYL	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	GWB	–	8'-0"		SEE NOTE A + INT. ELEVATIONS	
B128	DISHWASHING	KIT. VINYL	–	VP	PTD	VP	PTD	EXIST	PTD	EXIST	PTD	VCB	–	ACT (5)	–	8'-6"		SEE NOTE A + INT. ELEVATIONS	
B129	STAFF TOILET	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (6)	–	8'-6"		* SANITARY COVE	
B110	OFFICE	KIT. VINYL	–	VP	PTD	VP	PTD	EXIST	PTD	VP	PTD	VCB	–	ACT (5)	–	8'-6"		SEE NOTE A	
B111	DISHWASHING	KIT. VINYL	–	VP	PTD	EXIST	PTD	EXIST	PTD	VP	PTD	VCB	–					SEE NOTE A	
B112	BOYS ROOM	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	↓	–	↓		* SANITARY COVE	
B115	JANITORS CLOSET	EXIST	EXIST	EXIST	PTD	EXIST	PTD	EXIST	PTD	EXIST	PTD	EXIST	–	EXIST	–	EXIST			
B114	GIRLS ROOM	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–	8'-6"		* SANITARY COVE	
B115	CLASSROOM	CPT/VCT	–	EXIST	PTD	EXIST/GWB	PTD	EXIST	PTD	EXIST/GWB	PTD	EXIST	–	EXIST	PTD*	EXIST		SEE NOTE 4, * CPT/EXIST (B.B.), + EXIST (B.B)	5
B116	CORRIDOR	TERR.*	–	EXIST	PTD	EXIST	PTD	EXIST	PTD	EXIST	PTD	VCB *	–	ACT (1)	–	MATCH E		SEE NOTE 4, * VCT (B.B.), SEE INT. ELEV'S	5
B117	CLASSROOM	CPT/VCT	–	EXIST	PTD	EXIST/GWB	PTD	EXIST	PTD	EXIST/GWB	PTD	EXIST	–	EXIST/ACT (6)	PTD	EXIST		SEE NOTE 4, * CPT/EXIST (B.B.), + EXIST (B.B)	5
B118	CLASSROOM	↓	–	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	EXIST	↓	↓		↓	5
B120	CORRIDOR	TERR.*	–	EXIST	PTD	CPT/VCT	PTD	EXIST	PTD	EXIST	PTD	VCB *	–	ACT (1)	–	MATCH E		SEE NOTE 4, * VCT (BB), SEE INT. ELEVS	5
B121	SPECIAL ED	CPT/VCT	–	EXIST	PTD	EXIST/GWB	PTD	EXIST	PTD	EXIST/GWB	PTD	EXIST	–	EXIST	PTD	EXIST		SEE NOTE 4, * CPT/EXIST (B.B.), + EXIST (B.B)	5
B 122	CLASSROOM	CPT/VCT	–	EXIST	PTD	EXIST/GWB	PTD	EXIST	PTD	EXIST/GWB	PTD	VCB *	–	EXIST	PTD	EXIST		SEE NOTE 4, * CPT/EXIST (B.B.), + EXIST (B.B)	6
B 123	CLASSROOM	CPT/VCT	–	EXIST	PTD	EXIST/GWB	PTD	EXIST	PTD	GWB/GLB	PTD	VCB *	–	EXIST	PTD	EXIST		SEE NOTE 4, * CPT/EXIST (B.B.), + EXIST (B.B)	5
B 124	CONFERENCE	CPT	–	EXIST	PTD	VP	PTD	VP	PTD	VP/EXIST	PTD	VCB	–	ACT (1)	–	8'-6"		SEE NOTE A	
B 125	STORAGE	VCT	–	GWB	PTD	VP	PTD	VP	PTD	VP/EXIST	PTD	VCB	–	ACT (2)	–			SEE NOTE A	
B 126	TOILET RM.	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–			* SANITARY COVE BASE	
B 121	OFFICE	CPT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (1)	–				
B 128	HEALTH RM.	VCT	–	VP	PTD	VP	PTD	VP	PTD	EXIST/VP	PTD	VCB	–	ACT (2)	–			SEE NOTE A	
B 129	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (5)	–				
B 130	OFFICE	CPT	–	VP	PTD	VP	PTD	EXIST/VP	PTD	VP	PTD	VCB	–	ACT (2)	–			SEE NOTE A	
B 131	PRINT ROOM	VCT	–	↓	PTD	EXIST/VP	PTD	EXIST/VP	PTD	EXIST/VP	PTD	VCB	–						
B 132	RECEIVING	VCT	–	↓	PTD	EXIST/VP	PTD	EXIST	PTD	VP	PTD	VCB	–	↓	↓	↓		↓	
B 133	ADMIN. STATION	CPT	–	EXIST/VP	PTD	VP	PTD	VP	PTD	EXIST/VP	PTD	VCB	–	↓	↓	↓		SEE NOTE A, SEE INT. ELEVATIONS	
B 134	OFFICE	CPT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (2)	–	8'-6"			
B 135	KINDERGARTEN	CPT/VCT	–	↓	PTD	–	–		PTD	VP	PTD	VCB	–	WD (8)	PTD	*		* SEE INTERIOR ELEVATIONS	
B 136	KINDERGARTEN	CPT/VCT	–		PTD	–	–		PTD	–	–	VCB	–		PTD	*			
B 137	KINDERGARTEN	CPT/VCT	–	↓	PTD	–	–	↓	PTD	–	–	VCB	–	↓	PTD	*			
B 138	KINDERGARTEN	CPT/VCT	–	↓	PTD	GWB	PTD	↓	PTD	–	–	VCB	–	↓	PTD	*			
B 139	CORRIDOR	TERR.*	–	VP/CT	PTD/–	VP/CT	PTD/–	VP/CT	PTD/–	VP/CT	PTD/–	CT * *	–	ACT (2)		* MATCH E		* VCT (BASE DTL), * * PTD (B.B), * * VCB (B.B), + EXIST (B.B)	1,3
B 140	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–			8'-0"			
B 141	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	↓		↓			
B 142	TOILET	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–			* SANITARY COVE BASE	
B 143	TOILET	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–			* SANITARY COVE BASE	
B 144	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (2)	–				
B 145	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (2)	–	↓			

CEILING TYPES

TYPE NO.	DESCRIPTION
1.	2×2 LAY-IN ACOUSTICAL PANELS W/STANDARD SUSPENSION GRID AND PERIMETER CHANNEL MOULD.
2.	8×8 LAY-IN ACOUSTICAL PANELS W/STANDARD SUSPENSION GRID AND PERIMETER CHANNEL MOULD.
3.	8×8 CONCEALED SPLINE ACOUSTICAL PANELS.
4.	1×1 CONCEALED SPLINE ACOUSTICAL PANELS.
5.	8×8 LAY-IN ACOUSTICAL PANELS W/ADJUSTABLE PLUSH AND ALUMINUM WORKBENCH MOULD.
6.	2×2 LAY-IN ACOUSTICAL PANELS TO MATCH EXISTING.
7.	2×2 TONGUE AND GROOVE WOOD DECKING.
8.	1×6 TONGUE AND GROOVE WOOD DECKING.
9.	EXPOSED STRUCTURE AND EQUIPMENT.
10.	GYPSUM WALL BOARD.

GENERAL NOTES

A. EXISTING MATERIALS SHALL REMAIN AS IS EXCEPT WHEN ALTERED DUE TO DEMOLITION OR NEW CONSTRUCTION. UNLESS DETAILED OTHERWISE; REPAIR, PATCH, AND FINISH TO MATCH EXISTING.

B. SEE INTERIOR ELEVATIONS, PLANS, SECTIONS, AND DETAILS FOR ITEMS NOT IDENTIFIED ON FINISH SCHEDULE, MILLWORK, BUT NOT LIMITED TO: MANHOLES, DOORS AND FRAMES, MISC. FRAMED OPENING AND BACKING BUILT-IN CASEWORK, AND SHELVING.

C. VINYL BASE, WHERE NOTED AT ROOMS ON FINISH SCHEDULE, SHALL BE PROVIDED AT ALL EXPOSED WALL, BACKED, CABINETRY, AND BUILT-IN BASES. VINYL BASE SHALL NOT BE PROVIDED AT HOLLOW METAL FRAMES THAT EXTEND TO THE FLOOR.

D. REFER TO PAINTING SCHEDULE IN SPECIFICATION FOR ALL ITEMS TO BE FINISHED.

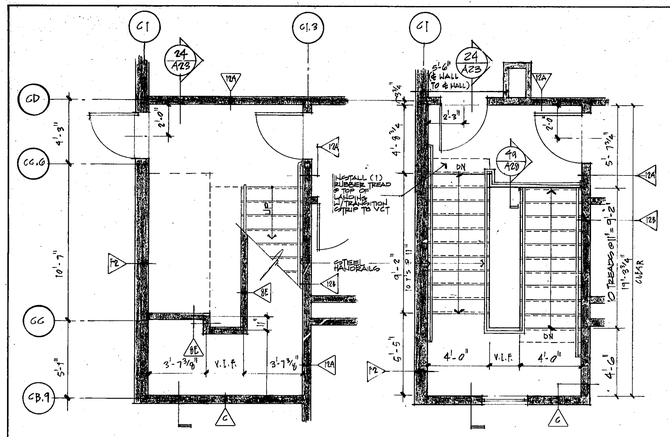
E. SEE INTERIOR ELEVATIONS FOR LOCATION OF VINYL WALL COVERING AND WOOD TRIM.

F. AT EXISTING WALLS & PARTITIONS WHERE CASEWORK REMOVAL OCCURS: PATCH AND FINISH WALLS TO MATCH EXISTING ADJACENT.

ROOM FINISH SCHEDULE – WINGS A,B, & C

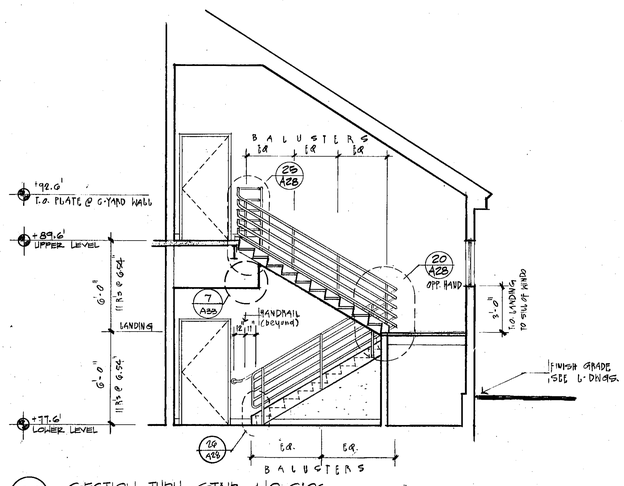
REFER TO SHEET A-8 FOR FINISH SCHEDULE, HOLMES LIBRARY

RM. NO.	RM. NAME	FLOOR: Mat'l.	FLOOR: Finish	WALLS: No. 1 SOUTH Mat'l.	No. 1 SOUTH Finish	No. 2 WEST Mat'l.	No. 2 WEST Finish	No. 3 NORTH Mat'l.	No. 3 NORTH Finish	No. 4 EAST Mat'l.	No. 4 EAST Finish	BASE: Mat'l.	BASE: Finish	CEILING: Mat'l.	CEILING: Finish	Hgt.	Dtl.	COMMENTS	ALTERN.
B 146	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (2)	–	9'-0"			
B 147	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (2)	–				
B 148	TOILET	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–			* SANITARY COVE BASE	
B 149	TOILET	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–			* SANITARY COVE BASE	
B 150	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (2)	–				
B 151	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (2)	–				
B 152	MULTI-PURPOSE	EXIST	POLY	EXIST	PTD	EXIST	PTD	–	–	EXIST	PTD	EXIST	POLY	EXIST	EXIST	EXIST		REFINISH FLOOR @ RAISED PLATFORM	
B 153	NOT USED																		
B 154	LOBBY	TERR.*	–	VP/CT	PTD	VP/CT	PTD	VP/CT	PTD	VP/CT	PTD	VCB	–	ACT (4)	–	9'-0"		SEE NOTE A, * VCT (B.B.)	3
B 155	KINDERGARTEN	CPT/VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (3)/GWB	–	VARIES		SEE INT. ELEV. AND REFL. CEIL. PLAN	
B 156	LIFT ROOM	VCT/TILE	POLY	EXIST	PTD	EXIST/GWB	PTD	+ VP	PTD	EXIST/GWB	PTD/–	GWB/VCB	POLY/–	ACT (2)	–	8'-0"		REFINISH FLOOR @ RAISED PLATFORM	
B 157	CAFETERIA	EXIST	EXIST	EXIST	PTD	EXIST	PTD*	EXIST	PTD*	EXIST	PTD*	EXIST	EXIST	EXIST	EXIST	EXIST		PAINT EXIST WALLS (LIGHT), SEE NOTE A	
B 158	STORAGE	EXIST	EXIST	EXIST	–	EXIST	PTD	EXIST	PTD	EXIST	PTD	EXIST	EXIST	EXIST	EXIST	EXIST		SEE NOTE A	
B 159	VESTIBULE	EXIST	EXIST	EXIST	–	EXIST	–	EXIST	PTD	EXIST	–	EXIST	EXIST	EXIST	EXIST	EXIST			
B 160	STORAGE	EXIST	EXIST	EXIST	–	EXIST	–	EXIST	PTD	EXIST	–	EXIST	EXIST	EXIST					
B 161	STORAGE	EXIST	EXIST	EXIST	–	EXIST	–	EXIST	PTD	EXIST	–	EXIST	EXIST	EXIST					
B 162	STORAGE	VCT	–	GWB	↓	GWB	↓	GWB	PTD	GWB	↓	VCB	–	ACT (2)	–	8'-6"			
B 163	TOILET RM.	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–			* SANITARY COVE BASE	
B 164	ELEC. CLOSET	VCT	–	GWB	PTD	GWB	PTD	MDF PANEL	PTD	GWB	PTD	VCB	–	ACT (2)	–				
B 165	ELEC. CLOSET		–										–	GWB	PTD	8'-0"			
B 166	ELEC. CLOSET		–										–					2 HR. ENCLOSURE	
B 167	ELEC. CLOSET		–	↓	↓	↓	↓	↓	↓	↓	↓	↓	–	↓	↓	↓			
C 100	CORRIDOR	TERR.*	–	VP/CT	PTD/–	VP/CT	PTD/–	VP/CT	PTD/–	VP/CT	PTD/–	CT * *	–	ACT (2)	–	9'-0"		* VCT (BB), * VP (BB), * * VCB (BB)	1,3
C 101	CLASSROOM	CPT/VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (3)	–	9'-0"			
C 102	CLASSROOM	CPT/VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (3)	–	9'-0"			
C 103	CORRIDOR	TERR.*	–	VP/CT	PTD/–	VP/CT	PTD/–	VP/CT	PTD/–	VP/CT	PTD/–	CT * *	–	ACT (11)/GWB	–	–/PTD	8'-6"/6"	* VCT (BB), * VP (BB), * * VCB (BB)	1,3
C 104	CLASSROOM	CPT/VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (3)	–	9'-0"			
C 105	CLASSROOM	CPT/VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (3)	–	9'-0"		VP	
C 106	CATWELL	VCT/TILE	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VP	PTD	GWB	PTD	VARIES			
C 107	TOILET	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–	8'-6"		* SANITARY COVE BASE	
C 108	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (2)	–	9'-0"			
C 109	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (3)	–				
C 110	CLASSROOM	CPT/VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–						
C 111	CLASSROOM	CPT/VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	↓	–	↓			
C 112	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (3)	–	9'-0"			
C 113	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–						
C 114	SPECIAL ED	CPT/VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	↓	–	↓			
C 115	BREECH ROOM	CPT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (2)	–	9'-0"			
C 116	BOYS ROOM	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (3)	–	8'-6"		* SANITARY COVE BASE	
C 117	ELEC. CLOSET	VCT	–	MDF PANEL	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	GWB	PTD	VARIES			
C 118	MEDIA CENTER	CPT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (3)/WP (8)	PAINT WP	9'-8"/VARIES		SEE INT. ELEV'S	
C 119	CORRIDOR	TERR.*	–	VP/CT	PTD/–	VP/CT	PTD/–	VP/CT	PTD/–	VP/CT	PTD/–	CT * *	–	ACT (1)/WP (8)	PAINT WP	9'-8"/VARIES		* VCT (BB), * VP (BB), * * VCB (B.B)	1,3
C 120	OFFICE	CPT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (2)	–	9'-0"			
C 121	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (2)	–	8'-0"			
C 122	ELEC. CLOST.	VCT	–	MDF PANEL	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	GWB	PTD				
C 123	ELEC. CLOST.	VCT	–	MDF PANEL	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	GWB	PTD			2 HR. ENCLOSURE	
C 124	GIRLS ROOM	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–			* SANITARY COVE BASE	
C 125	CLASSROOM	CPT/VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (3)	–	9'-0"			
C 126	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–						
C 127	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	↓	–	↓			
C 128	CLASSROOM	CPT/VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–						
C 129	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–						
C 130	JANITORS CLOSET	EXIST	EXIST	EXIST	–	EXIST	–	EXIST	PTD	EXIST	–	EXIST	EXIST	EXIST	EXIST	EXIST			
C 131	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (2)	–	9'-0"			
C 132	CORRIDOR	TERR.*	–	+ VP/CT	PTD	+ VP/CT	PTD	+ VP/CT	PTD	+ VP/CT	PTD	VCB *	–	ACT (1)	–	9'-6"		* VCT (B.B.), + VP (B.B. * * VCB (B.B.)	1,3
C 133	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (2)	–	9'-0"			
C 134	JANITORS CLOST.	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (2)	–	9'-0"			
C 135	MEN'S TOILET	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–	8'-6"		* SANITARY COVE BASE	
C 136	CATWELL	VCT/TILE	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB/ CARPET	–	GWB	PTD	VARIES			
C 137	REMEDIAL	CPT/VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (3)	–	9'-0"			
C 201	MEN'S TOILET	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–	8'-0"		* SANITARY COVE BASE	
C 202	JANITOR CLOST.	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	ACT (2)	–	9'-0"			
C 203	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	GWB	PTD	VARIES		SEE WALL SECTION 1/A23	
C 204	CLASSROOM	CPT/VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (3)/GWB	GWB PTD	9'-0"/VARIES		SEE INTERIOR ELEVATIONS	
C 205	CLASSROOM	CPT/VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (3)/GWB	GWB PTD	9'-0"/VARIES		SEE INTERIOR ELEVATIONS	
C 206	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	GWB	PTD	VARIES		SEE WALL SECTION 1/A23	
C 207	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	GWB	PTD	VARIES		SEE WALL SECTION 1/A23	
C 208	CLASSROOM	CPT/VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (3)/GWB	GWB PTD	9'-0"/VARIES		SEE INTERIOR ELEVATIONS	
C 209	SPECIAL ED	CPT/VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (3)/GWB	GWB PTD	9'-0"/VARIES		SEE INTERIOR ELEVATIONS	
C 210	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	GWB	PTD	VARIES		SEE WALL SECTION 1/A23	
C 211	BOYS ROOM	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–	8'-0"		* SANITARY COVE BASE	
C 212	CONF. ROOM	CPT.	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (3)	–	9'-0"			
C 213	ELEV. MACH. RM	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	GWB	PTD	8'-0"		2 HR ENCLOSURE	
C 214	CORRIDOR	TERR.*	–	VP/CT	PTD/–	VP/CT	PTD/–	VP/CT	PTD/–	VP/CT	PTD/–	CT * *	–	ACT (1)/GWB/WDB	– / PTD/PTD	* / VCB/PTD		* VCT (BB), + VP (BB), * * VCB (B.B)	1,3
C 215	CONF. ROOM	CPT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (3)	–	9'-0"			
C 216	GIRLS ROOM	CT	–	CT	–	CT	–	CT	–	CT	–	CT *	–	ACT (5)	–	8'-0"		* SANITARY COVE BASE	
C 217	STORAGE	VCT	–	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	VCB	–	GWB	PTD	VARIES		SEE WALL SECTION 1/A23	
C 218	CLASSROOM	CPT/VCT	–	VP	PTD	VP	PTD	VP	PTD	VP	PTD	VCB	–	ACT (3)/GWB

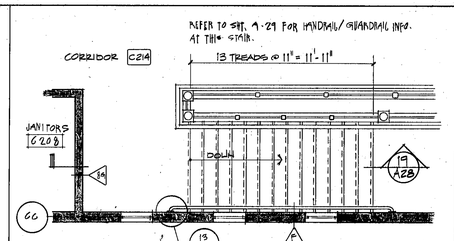


22 STAIR NO. C106 (PLAN @ LOWER LVL.)
1/4" = 1'-0" (STAIR NO. C13B SIMILAR)

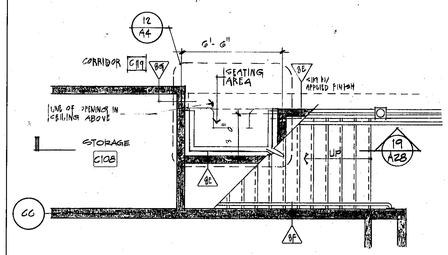
23 STAIR NO. C106 (PLAN @ UPPER LVL.)
1/4" = 1'-0" (STAIR NO. C13B SIMILAR)



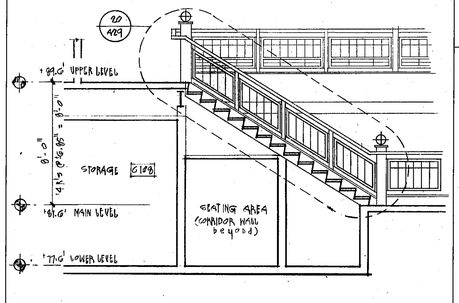
24 SECTION THRU STAIR NO. C106
1/4" = 1'-0" (STAIR NO. C13B SIMILAR OPPOSITE HAND)



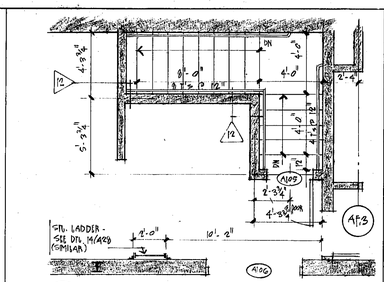
17 PLAN - LEFT STAIR @ CORRIDOR C214 (UPPER LEVEL)
1/4" = 1'-0"



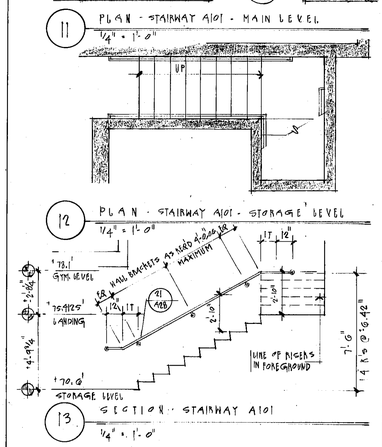
18 PLAN - LEFT STAIR @ CORRIDOR C119 (LOWER LEVEL)
1/4" = 1'-0"



19 SECTION - LEFT STAIR @ CORRIDOR C119/ C214
1/4" = 1'-0"

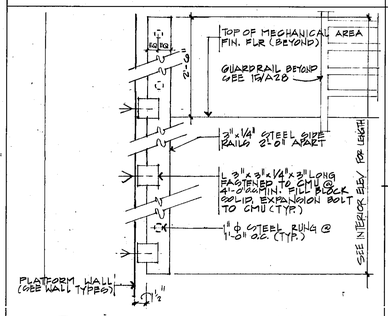


11 PLAN - STAIRWAY A101 - MAIN LEVEL
1/4" = 1'-0"

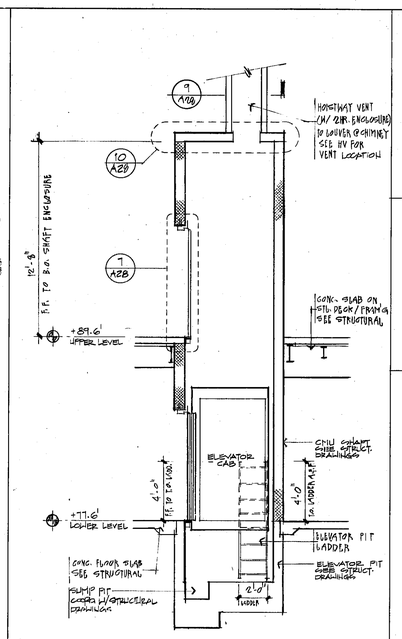


12 PLAN - STAIRWAY A101 - STORAGE LEVEL
1/4" = 1'-0"

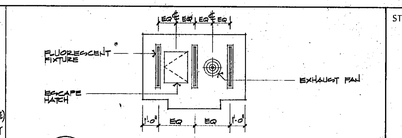
SECTION - STAIRWAY A101
1/4" = 1'-0"



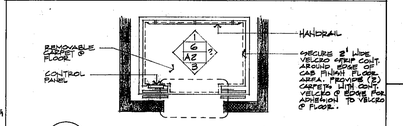
14 PLATFORM LADDER @ RM. A100
1 1/2" = 1'-0"



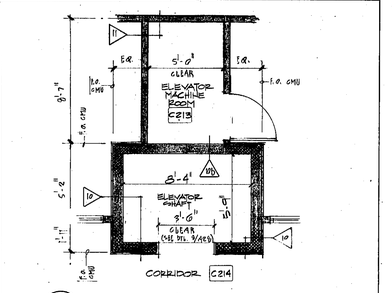
3 SECTION THRU ELEV. HOISTWAY
1/4" = 1'-0"



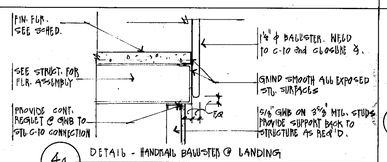
1 REFLECTED CEILING PLAN
1/4" = 1'-0" (@ ELEV. CAB)



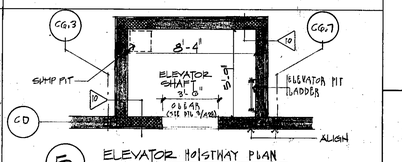
2 ELEVATOR CAB PLAN
1/4" = 1'-0"



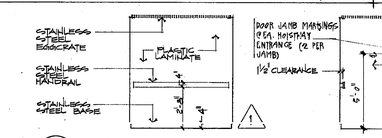
4 ELEVATOR HOISTWAY PLAN
1/4" = 1'-0" (@ UPPER LEVEL)



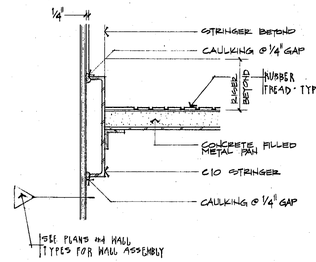
4a DETAIL - HANDRAIL BALUSTER @ LANDING
3/4" = 1'-0"



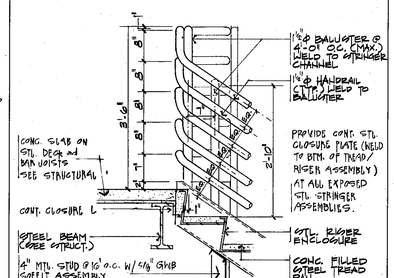
5 ELEVATOR HOISTWAY PLAN
1/4" = 1'-0" (@ LOWER LEVEL)



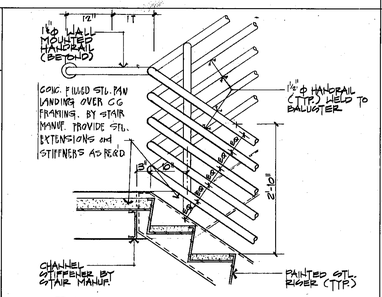
6 INTERIOR ELEVATOR ELEVATIONS
1/4" = 1'-0"



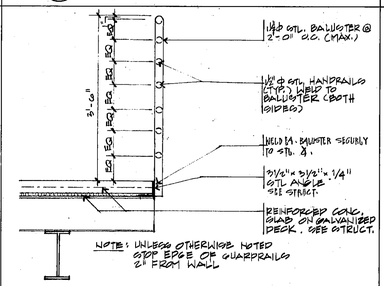
27 SECTION THRU STAIR
1 1/2" = 1'-0"



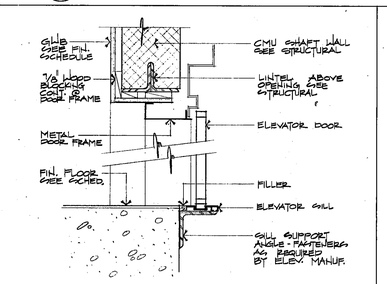
25 STAIR @ UPPER LEVEL
3/4" = 1'-0"



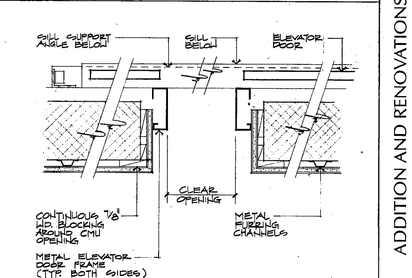
20 STAIR @ LANDING
3/4" = 1'-0"



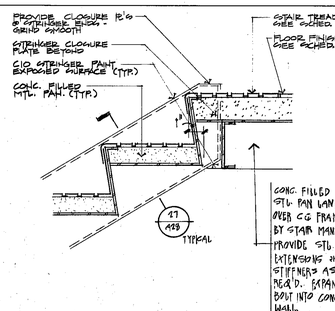
15 GUARDRAILS @ MECH. RM. A201
3/4" = 1'-0"



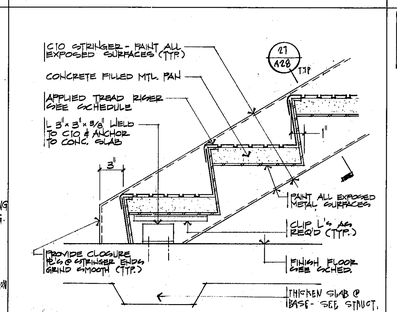
7 ELEVATOR DOOR SILL & HEAD
1 1/2" = 1'-0"



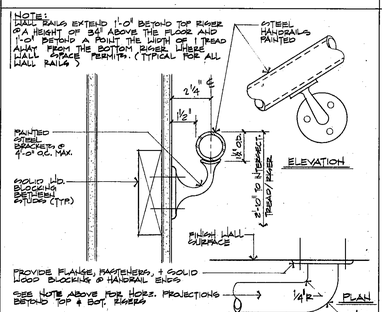
8 ELEVATOR DOOR JAMB
1 1/2" = 1'-0"



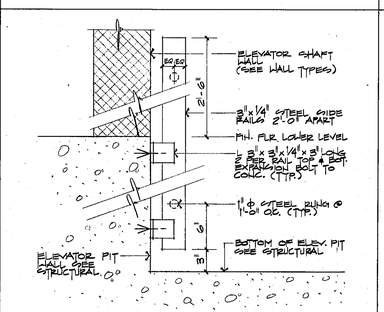
28 STAIR @ FLOOR
1 1/2" = 1'-0"



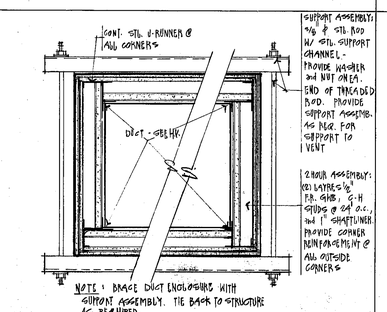
26 STAIR @ BASE
1 1/2" = 1'-0"



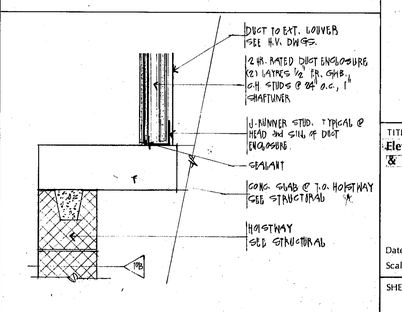
21 HANDRAIL @ STAIRWAYS
3"=1'-0"



16 ELEVATOR PIT LADDER
1 1/2" = 1'-0"



9 DETAIL - 2 HR. ENCLOSURE @ HOISTWAY VENT
1 1/2" = 1'-0" UL DESIGN U438



10 DETAIL - VENT @ TOP OF HOISTWAY
1 1/2" = 1'-0"

STAMP

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

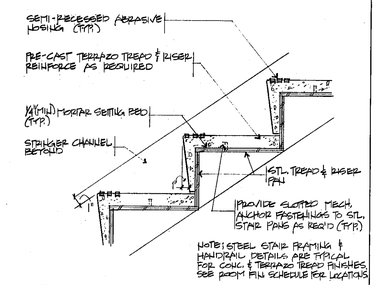
TITLE:
Elevator / Stair Plans & Details & Miscellaneous Details

Date: SEPTEMBER 1992 Drawn By:
Scale: AS NOTED Job No: 9008/9104

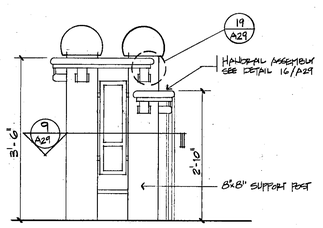
SHEET:

A-28

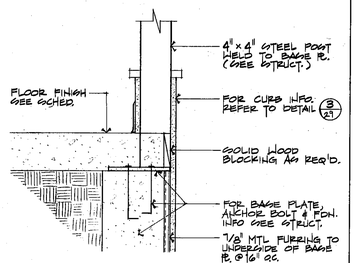
TYPOTECH



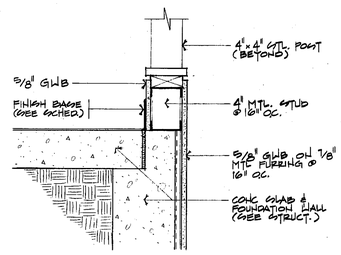
23 TERRAZZO TREAD & RISER DETAIL
1½" = 1'-0"
NOTE: ALTERNATE 3



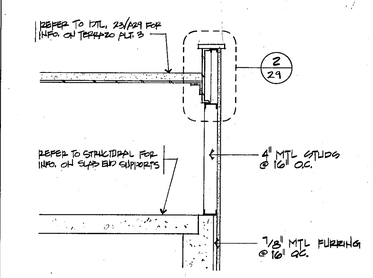
18 ELEVATION @ 8"x8" POSTS
¾" = 1'-0"



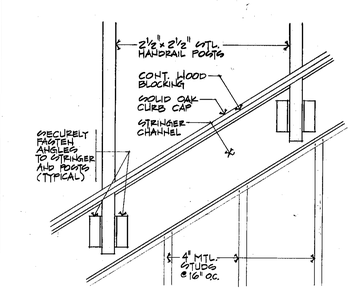
12 DETAIL THRU CURB @ RAMP
1½" = 1'-0"



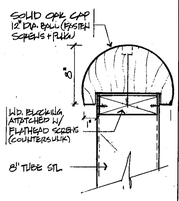
8 DETAIL THRU CURB @ RAMP
1½" = 1'-0"



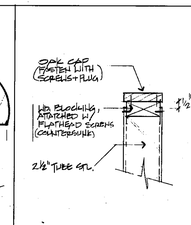
5 DETAIL THRU STAIRS @ CORR.
¾" = 1'-0"
NOTE: REFER TO FINISH SCHEDULE FOR ADDITIONAL FINISHES



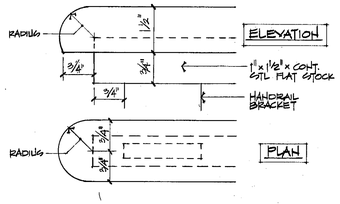
1 T" = 1'-0"



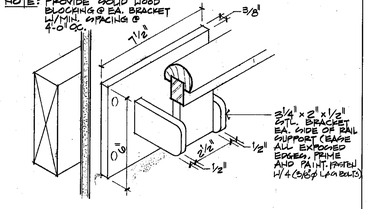
25 DETAIL @ 8" POST
1½" = 1'-0"
NOTE: 4" POST SIMILAR (6" DIA. ROLL) CONSTRUCTION



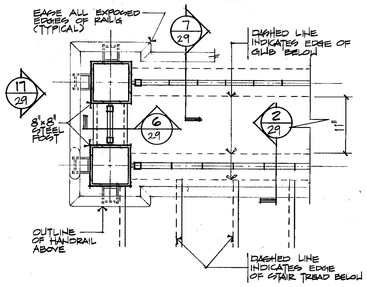
24 DETAIL @ 2½" POST
3" = 1'-0"



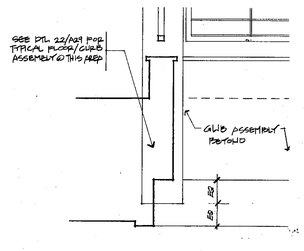
19 DETAIL @ HANDRAIL END
HALF SCALE



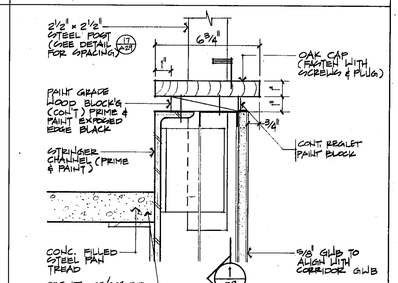
13 DETAIL @ HANDRAIL ALONG WALL



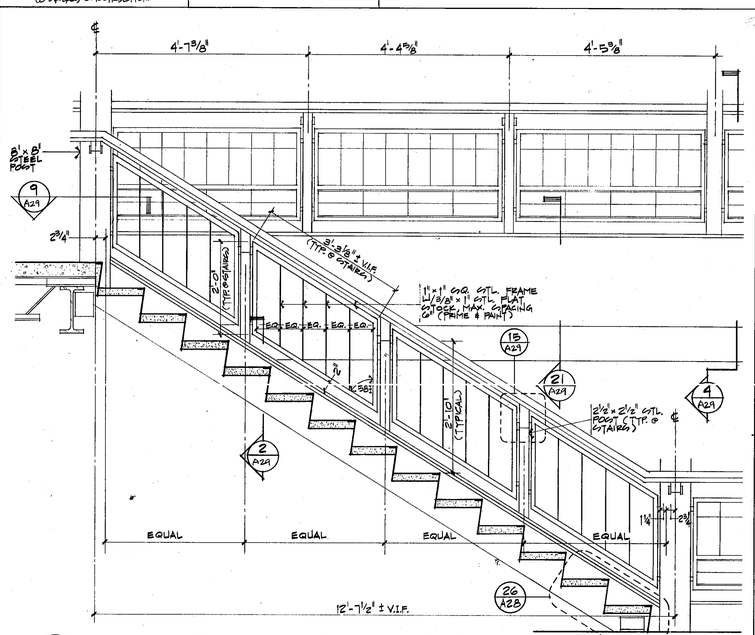
9 SECTION THRU 8" POSTS
1" = 1'-0"



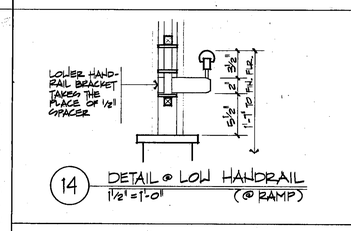
6 DETAIL - GUARD @ INSIDE CORNER
1" = 1'-0"



2 DETAIL THRU CURB @ STAIRS
3" = 1'-0"

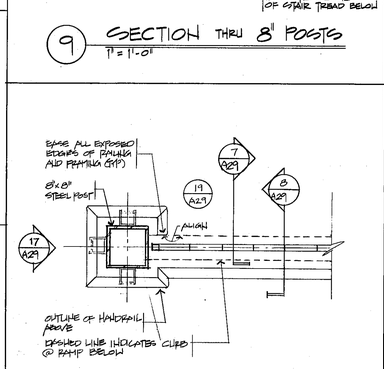


20 SECTION / ELEVATION @ STAIR HANDRAIL
¾" = 1'-0"
REFER TO DTL. 23/A29 FOR INFO ON TYPICAL TREAD/RISER ASSEMBLY W/ TERRAZZO ALTERNATE B

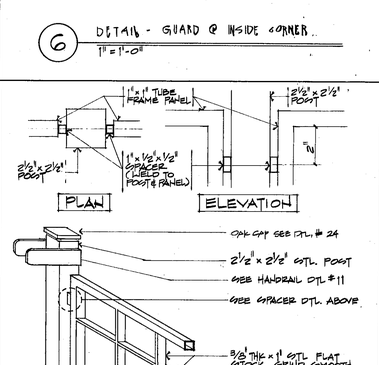


14 DETAIL @ LOW HANDRAIL
1½" = 1'-0" (@ RAMP)

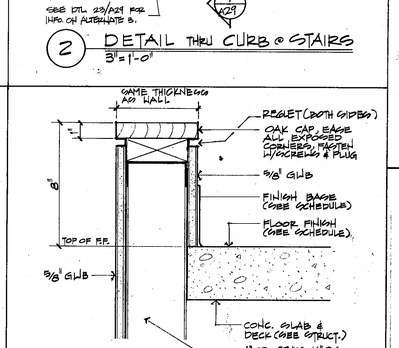
15 DETAIL @ HANDRAIL BRACKET
3" = 1'-0" (@ STAIRS)



10 SECTION THRU 8" POST @ RAMP
1" = 1'-0"



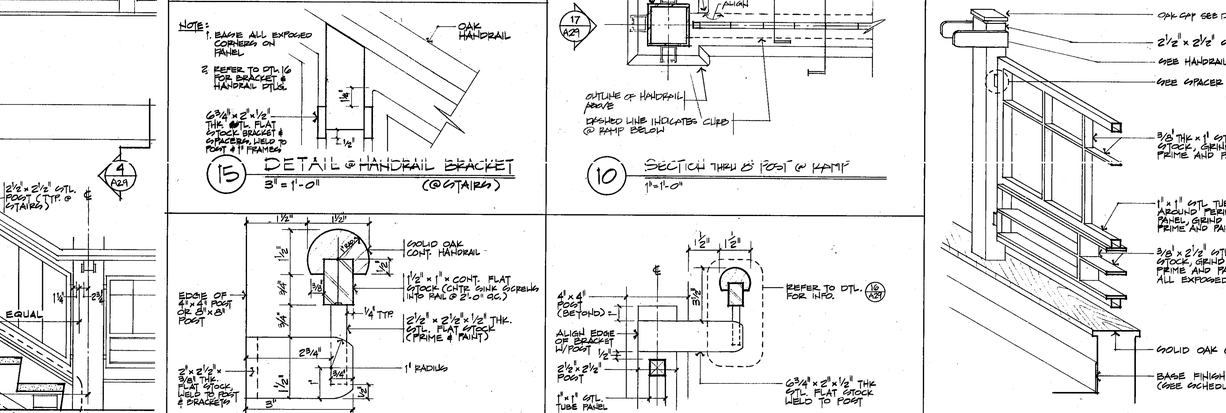
7 DETAIL @ HANDRAIL PANEL
N.T.S.



3 DETAIL THRU CURB
REFER TO FINISH SCHEDULE FOR ADDITIONAL INFO IN THIS AREA.

22 SECTION @ (8"x8" POST)
1½" = 1'-0"

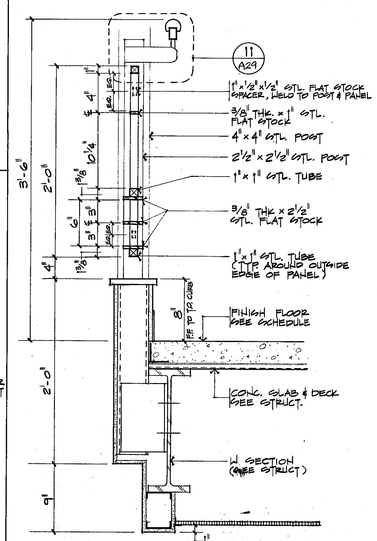
21 SECTION @ (2½"x 2½" POST)
1½" = 1'-0"



17 DETAIL - HANDRAIL / GUARDRAIL @ UPPER LEVEL
1" = 1'-0"

11 DETAIL @ HANDRAIL BRACKET
3" = 1'-0" (@ 2½" POSTS)

16 DETAIL @ HANDRAIL BRACKET
HALF SCALE (@ 4" & 8" POSTS)



4 SECTION
1½" = 1'-0"

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

STAMP

REVISIONS:

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

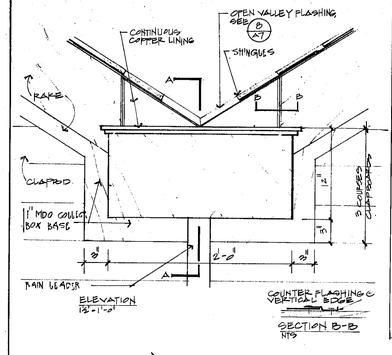
TITLE:
Miscellaneous Details

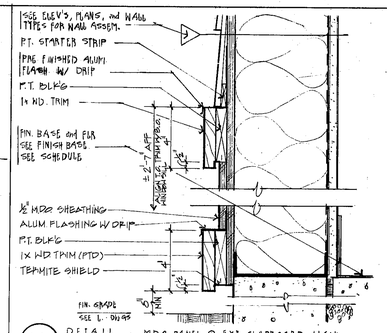
Date: SEPT 03, 1992 Drawn By:
Scale: Job No: 9017

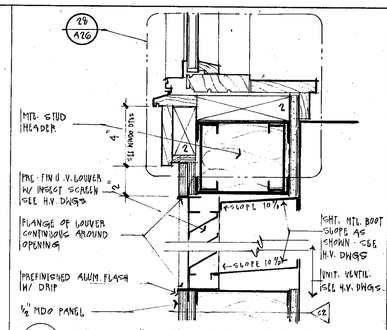
SHEET:

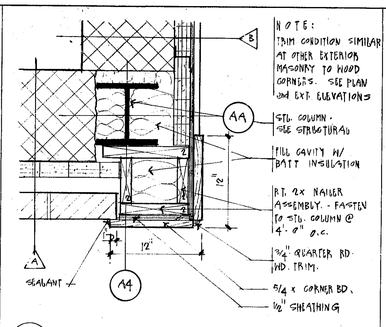
A-29

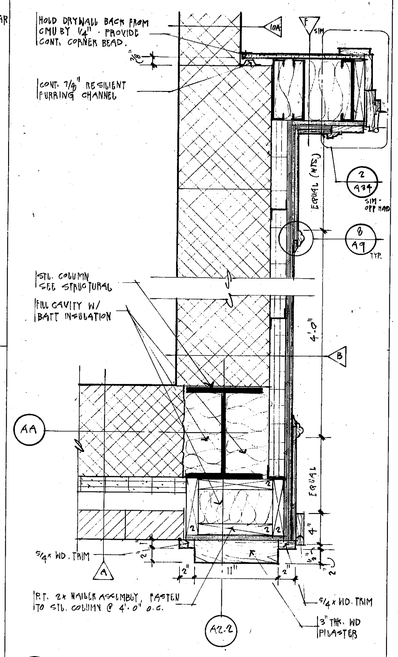
THE DRAFTBOARD

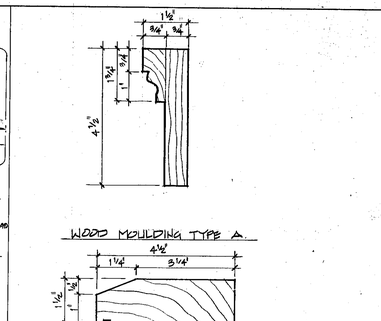


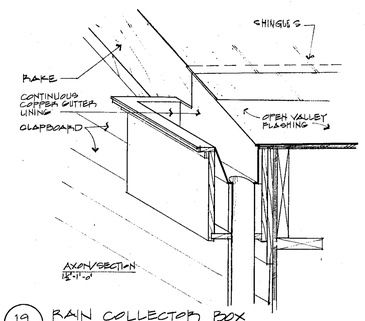


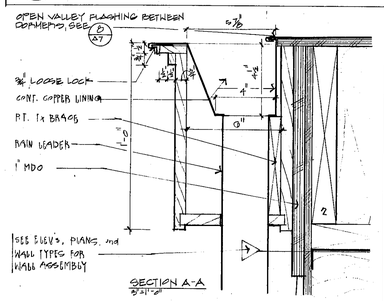


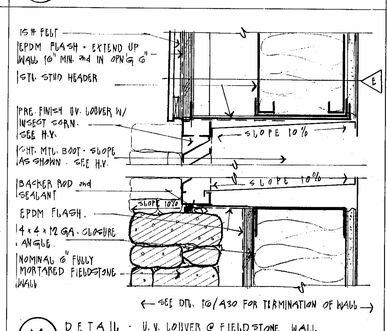


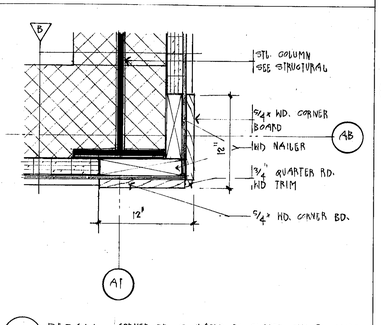


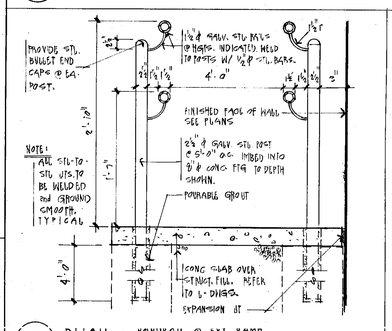


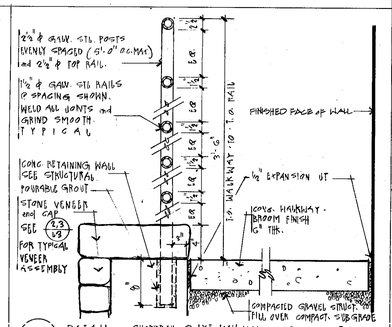


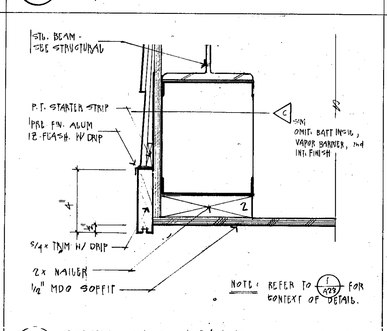


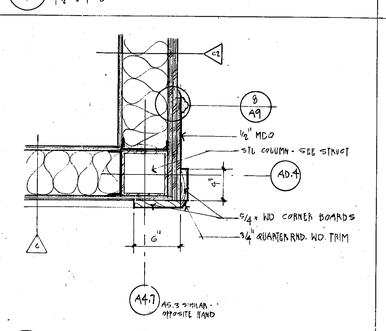


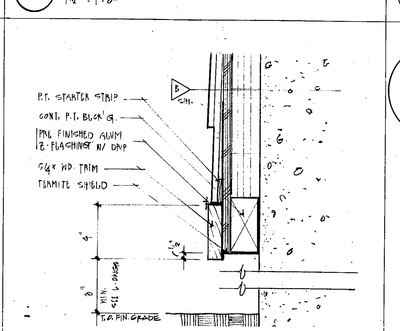


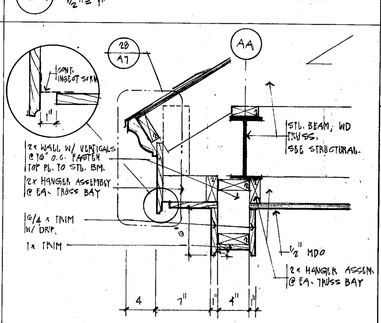


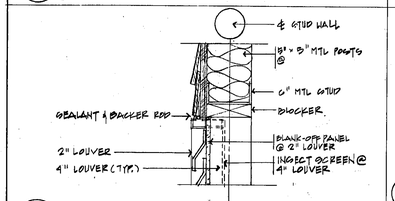


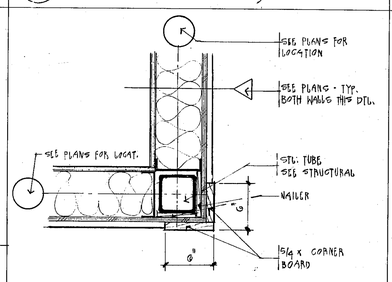


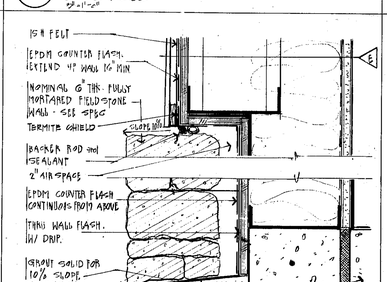


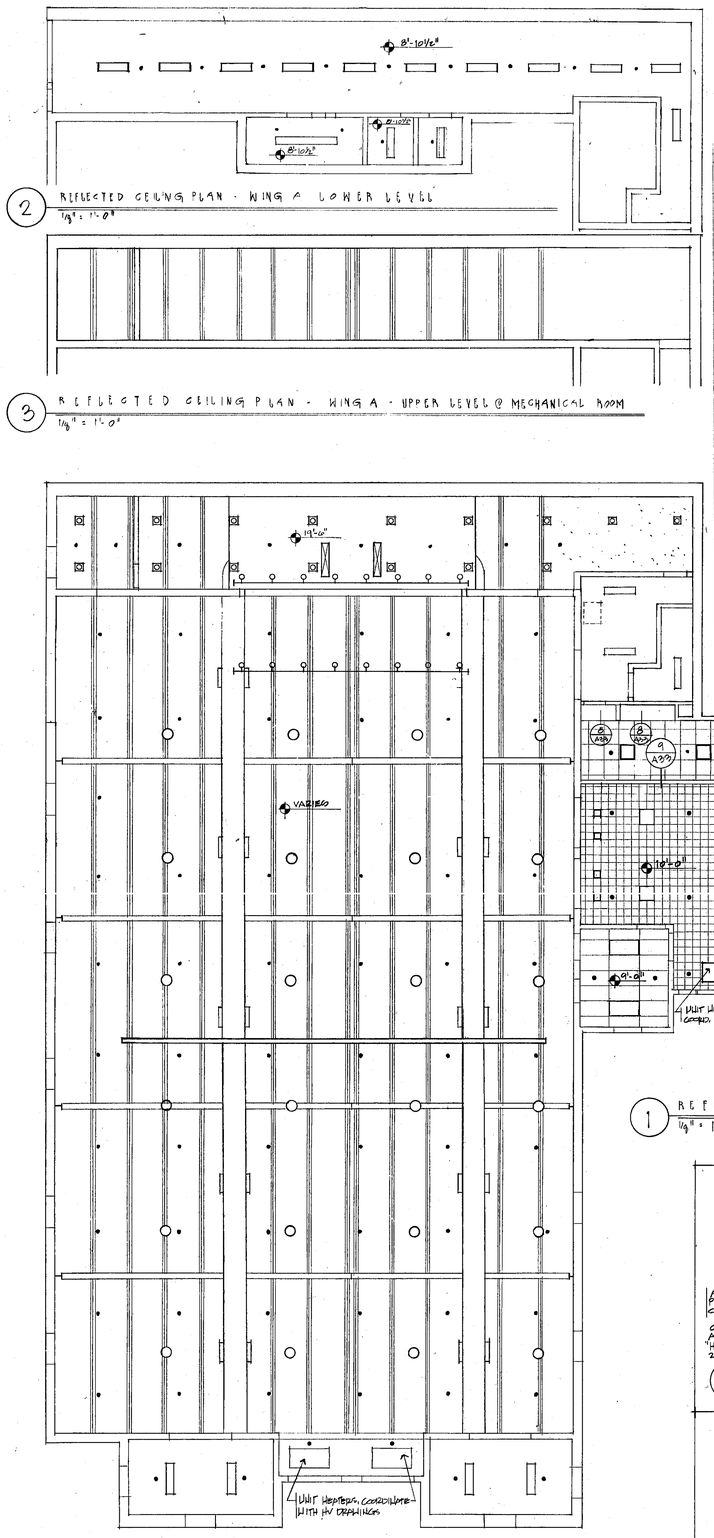









15# FELT
EPDM COUNTER FLASH. EXTEND 4" MIN. UP WALL
NOMINAL 6" THK. FULLY MORTARED FIELDSTONE WALL - SEE SPEC
TERMITE SHIELD
SLOPE 10%
BACKER ROD and SEALANT
2" AIR SPACE
EPDM COUNTER FLASH CONTINUOUS FROM ABOVE
TRIM WALL FLASH. W/ DRIP.
GRADE
GRADE
GRADE



2 REFLECTED CEILING PLAN - WING A LOWER LEVEL
1/8" = 1'-0"

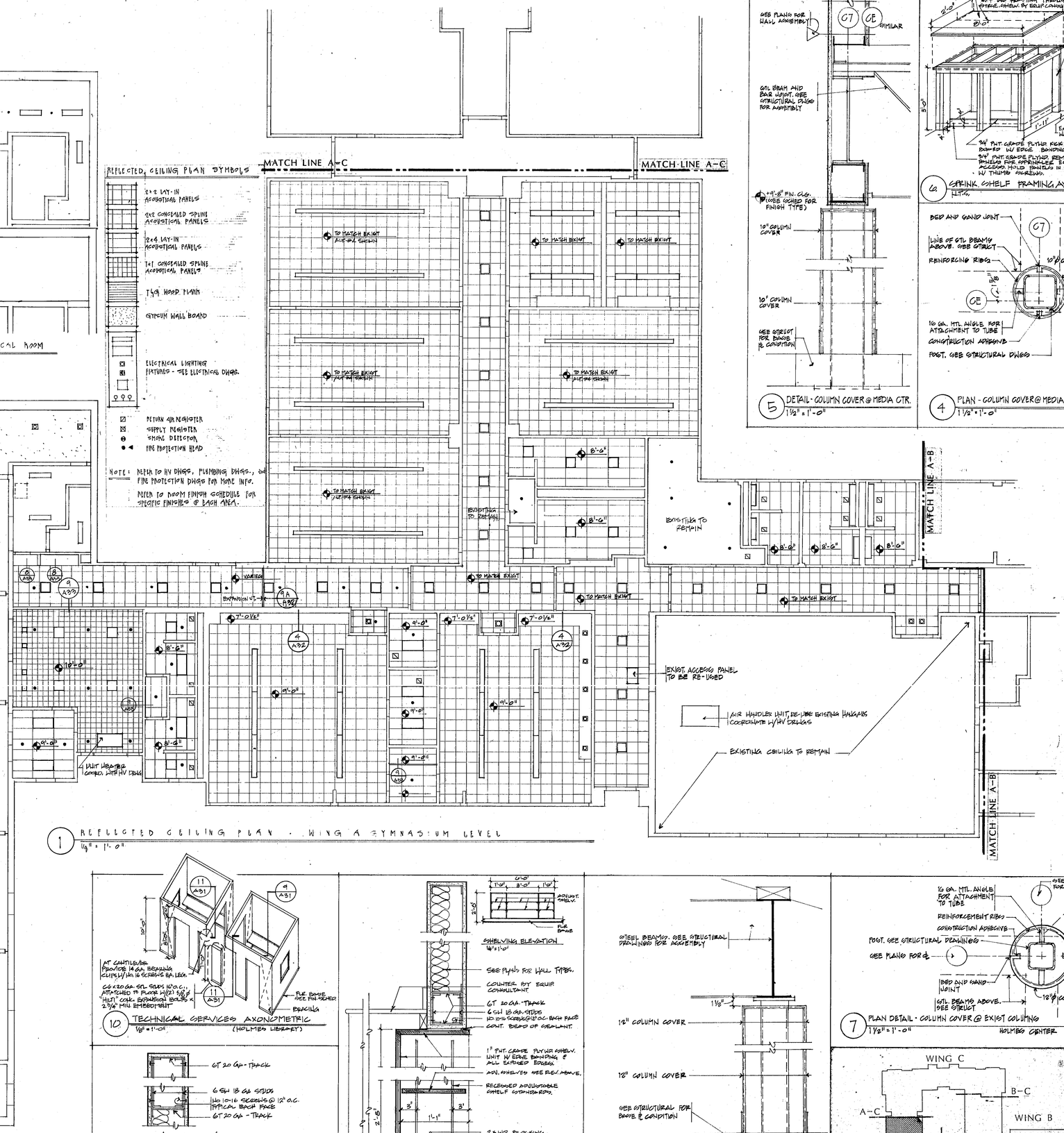
3 REFLECTED CEILING PLAN - WING A - UPPER LEVEL @ MECHANICAL ROOM
1/8" = 1'-0"

REFLECTED CEILING PLAN SYMBOLS

- 2x2 LAY-IN ACOUSTICAL PANELS
- 2x2 CONCEALED SPLINE ACOUSTICAL PANELS
- 2x4 LAY-IN ACOUSTICAL PANELS
- 1x1 CONCEALED SPLINE ACOUSTICAL PANELS
- 1x6 WOOD PLANK
- GYPSUM WALL BOARD
- ELECTRICAL LIGHTING FIXTURES - SEE ELECTRICAL DWGS.
- RETURN AIR REGISTER
- SUPPLY REGISTER
- SMOKE DETECTOR
- FIRE PROTECTION HEAD

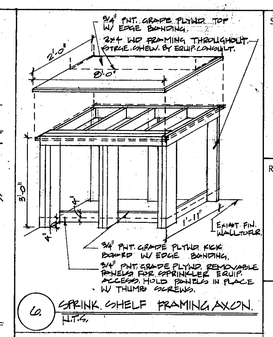
NOTE: REFER TO HV DWGS., PLUMBING DWGS., and FIRE PROTECTION DWGS FOR MORE INFO.

REFER TO ROOM FINISH SCHEDULE FOR SPECIFIC FINISHES @ EACH AREA.

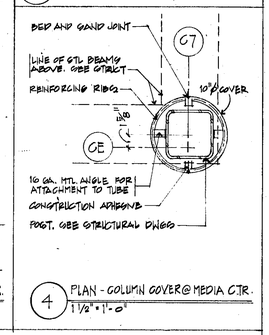


1 REFLECTED CEILING PLAN - WING A GYMNASIUM LEVEL
1/8" = 1'-0"

5 DETAIL - COLUMN COVER @ MEDIA CTR.
1½" = 1'-0"

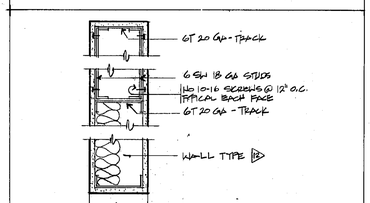


6 SPRINK. SHELF FRAMING AXON.
N.T.S.

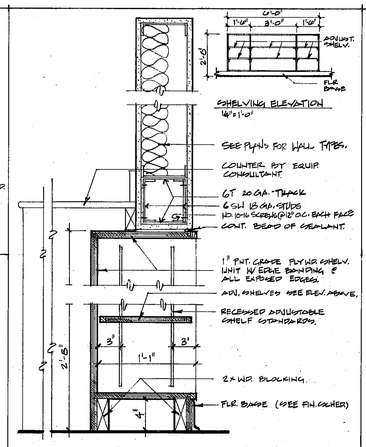


4 PLAN - COLUMN COVER @ MEDIA CTR.
1½" = 1'-0"

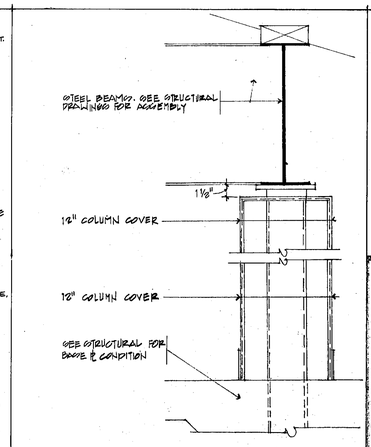
10 TECHNICAL SERVICES AXONOMETRIC
1/8" = 1'-0" (HOLMES LIBRARY)



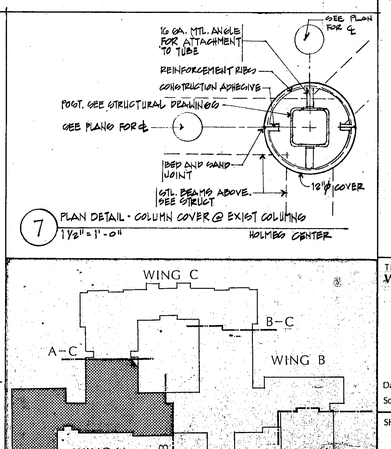
11 TECHNICAL SERVICES HEADER DETAIL
1½" = 1'-0" (HOLMES LIBRARY)



9 TECHNICAL SERVICES WALL SECTION
1½" = 1'-0" (HOLMES LIBRARY)



8 DETAIL - COLUMN COVER @ EXIST COLUMNS
1½" = 1'-0" HOLMES CENTER



7 PLAN DETAIL - COLUMN COVER @ EXIST COLUMNS
1½" = 1'-0" HOLMES CENTER

STAMP

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

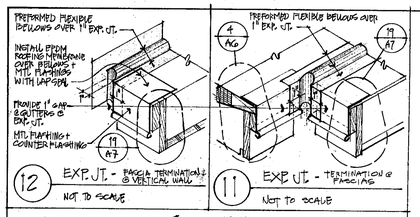
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

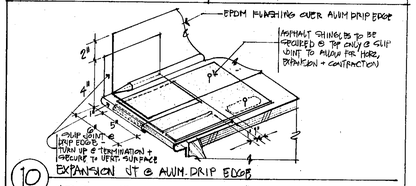
TITLE:
Wing A: Reflected Ceiling Plan

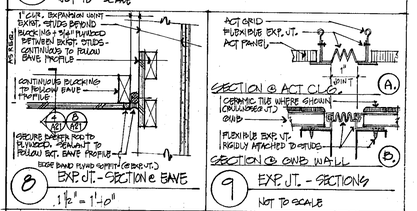
Date: SEPT 28, 1992 Drawn By:
Scale: AS NOTED. Job No: 9008 / 91048

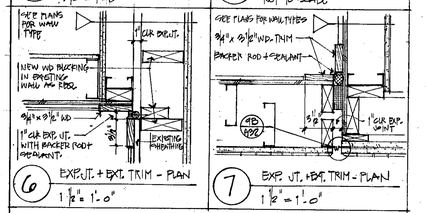
SHEET:
A-31

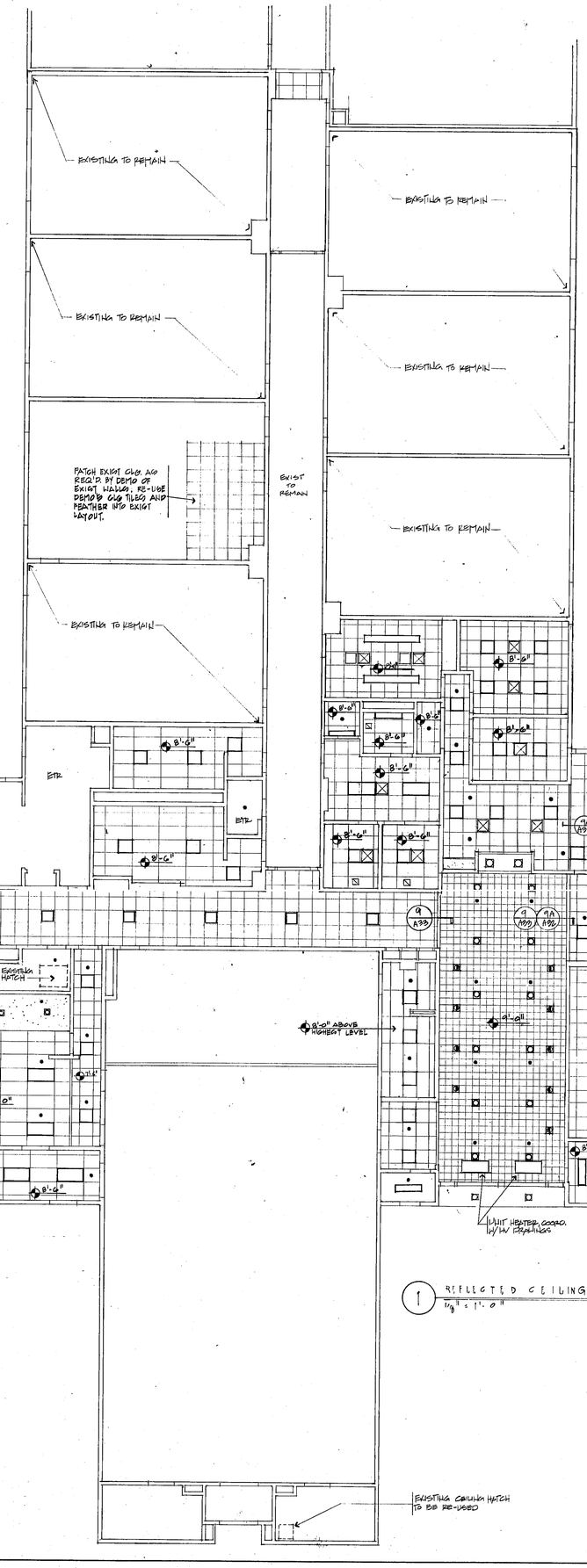
163278
TYPOTECH

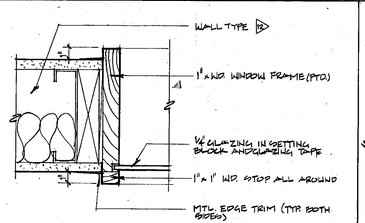




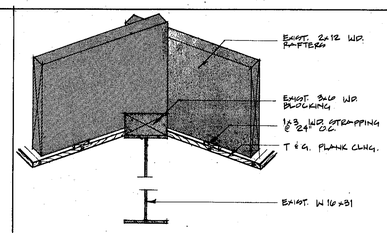




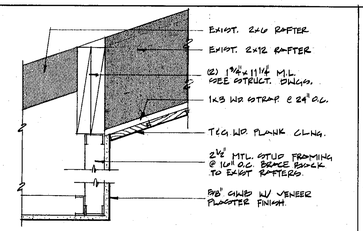

EXISTING TO REMAIN
EXISTING TO REMAIN
EXISTING TO REMAIN
EXISTING TO REMAIN
EXISTING TO REMAIN
PATCH EXIST. CLG. AS REQ'D. BY DEMO OF EXIST. WALLS. RE-USE DEMO'D CLG TILES AND FEATHER INTO EXIST LAYOUT.
EXIST TO REMAIN
TO MATCH EXIST
ETR
ETR
ETR
8'-6"
8'-6"
8'-6"



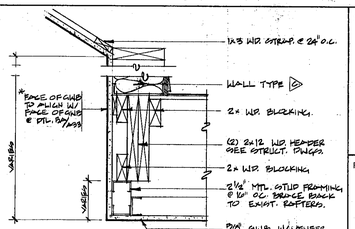
13 WINDOW JAMB & TECHNICAL SERVICES
3" = 1'-0" (SIM @ HEAD AND SILL) (HOLMES WD.)



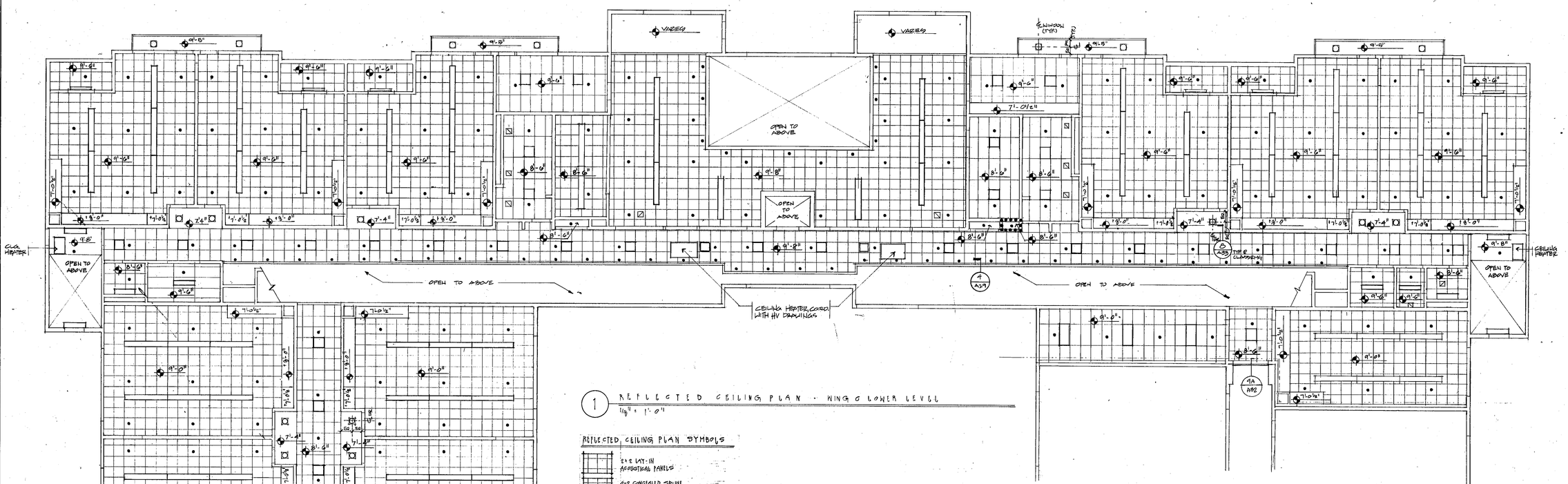
12 WOOD CEILING @ EXIST. HIP
1 1/2" = 1'-0" (HOLMES LIBRARY)



11 GWB CEILING TO WOOD CEILING
1 1/2" = 1'-0" (HOLMES LIBRARY)



10 GWB TO GWB CEILING @ DORMER WALL
1 1/2" = 1'-0" (HOLMES LIBRARY)

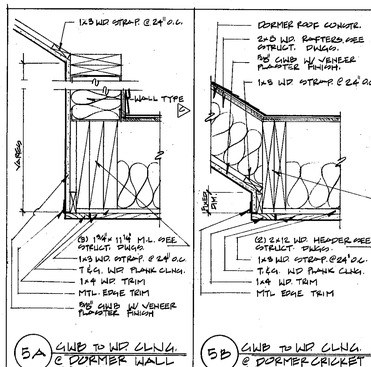


1 REFLECTED CEILING PLAN - WING C LOWER LEVEL
1/8" = 1'-0"

REFLECTED CEILING PLAN SYMBOLS

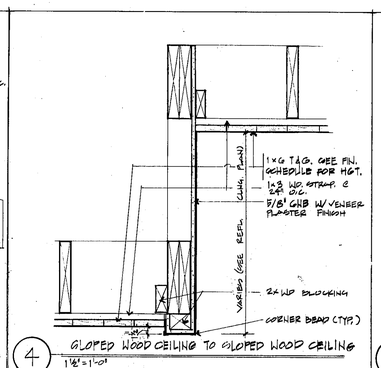
- 2x2 LAY-IN ACOUSTICAL PANELS
- 2x2 CONCEALED SPLINE ACOUSTICAL PANELS
- 2x4 LAY-IN ACOUSTICAL PANELS
- 1x1 CONCEALED SPLINE ACOUSTICAL PANELS
- T&G WOOD PLANK
- GYPSUM WALL BOARD
- ELECTRICAL LIGHTING FIXTURES - SEE ELECTRICAL DWGS.
- RETURN AIR REGISTER
- SUPPLY REGISTER
- SMOKE DETECTOR
- FIRE PROTECTION HEAD

NOTE: REFER TO HV DWGS., PLUMBING DWGS., and FIRE PROTECTION DWGS FOR MORE INFO.
REFER TO ROOM FINISH SCHEDULE FOR SPECIFIC FINISHES @ EACH AREA.

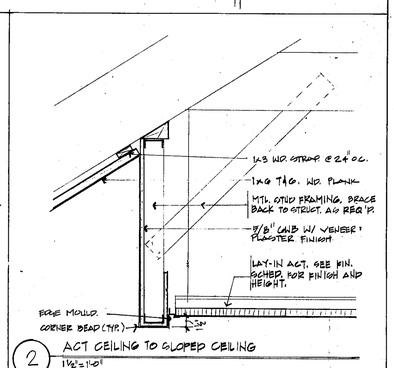


5A GWB TO WD CLNG. @ DORMER WALL
1 1/2" = 1'-0" (HOLMES LIB.)

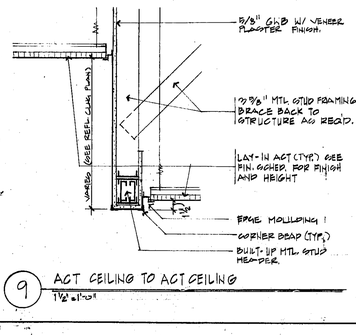
5B GWB TO WD CLNG. @ DORMER CRICKET
1 1/2" = 1'-0" (HOLMES LIB.)



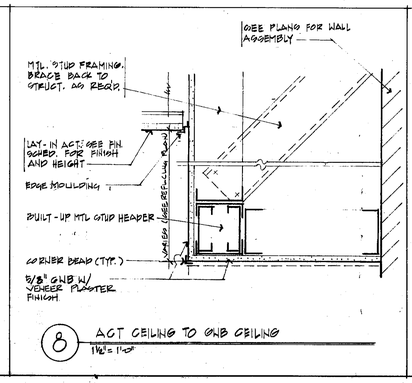
4 SLOPED WOOD CEILING TO SLOPED WOOD CEILING
1 1/2" = 1'-0"



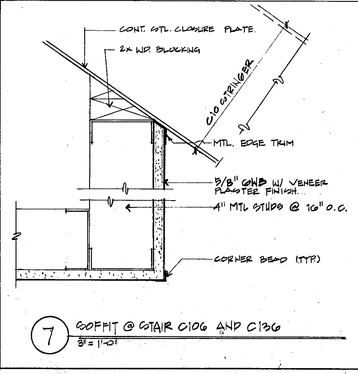
2 ACT CEILING TO SLOPED CEILING
1 1/2" = 1'-0"



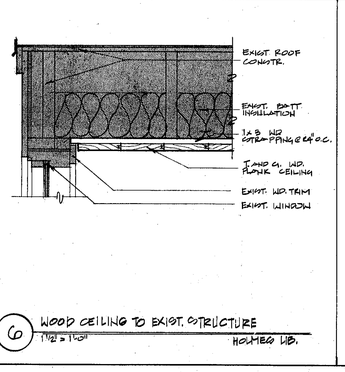
9 ACT CEILING TO ACT CEILING
1 1/2" = 1'-0"



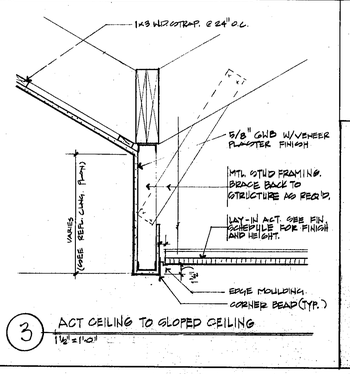
8 ACT CEILING TO GWB CEILING
1 1/2" = 1'-0"



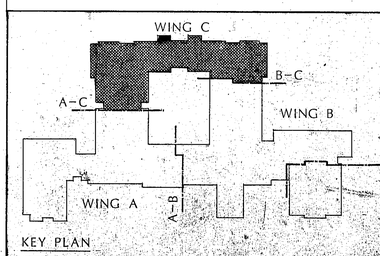
7 SOFFIT @ STAIR C106 AND C136
3/4" = 1'-0"



6 WOOD CEILING TO EXIST. STRUCTURE
1 1/2" = 1'-0" HOLMES WD.



3 ACT CEILING TO SLOPED CEILING
1 1/2" = 1'-0"



STAMP

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

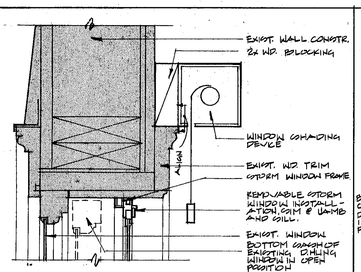
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing C: Lower Level
Reflected Ceiling Plan

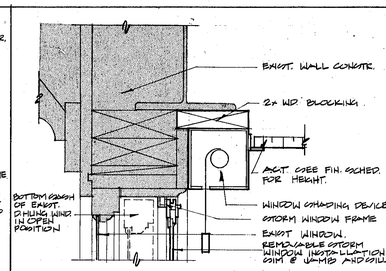
Date: SEPT '96 1998 Drawn By:
Scale: AS NOTED Job No: 9608/9706

SHEET:
A-33

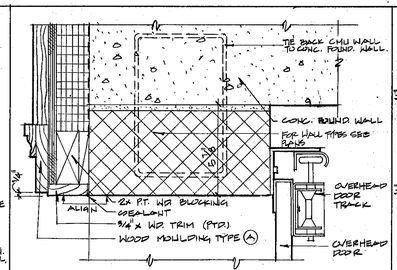
182029
TYPOTECH



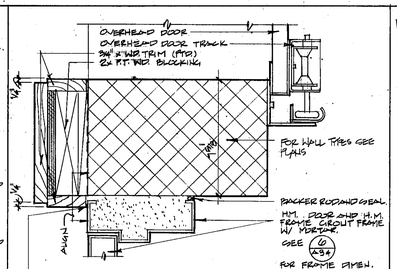
23 SHADING DEVICE/STORM WINDOW @ EXIST. WINDOW
3"=1'-0"



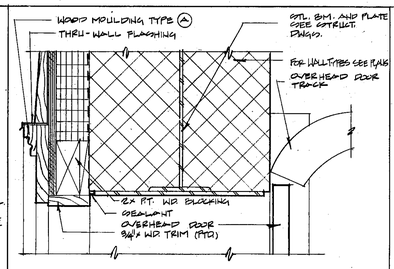
22 SHADING DEVICE/STORM WINDOW & EXIST. WINDOW
3"=1'-0" (TYP @ ART (A113) AND MUSIC (A112) ROOMS)



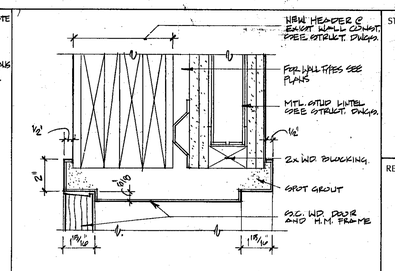
21 OVERHEAD DOOR JAMB DETAIL
3"=1'-0"



20 OVERHEAD DR. JAMB @ STL. ENTRY DR. DETAIL
3"=1'-0"



19 OVERHEAD DOOR HEAD DETAIL
3"=1'-0"

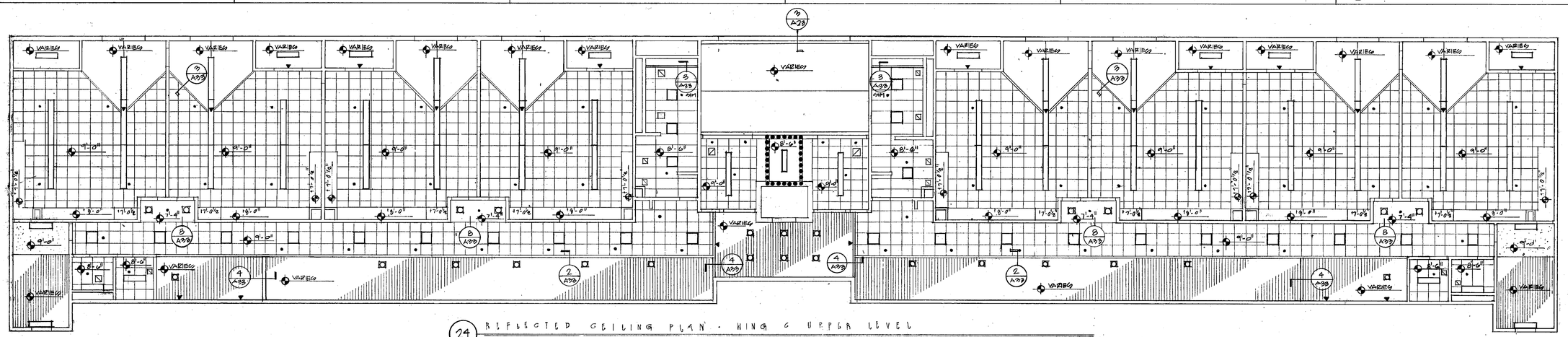


18 DOOR HEAD DETAIL @ EXIST. WALL
3"=1'-0" SIMILAR @ JAMB

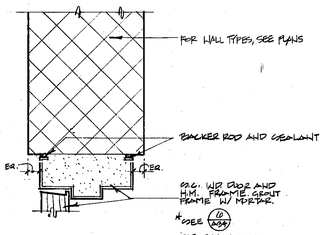
STAMP

REVISIONS:

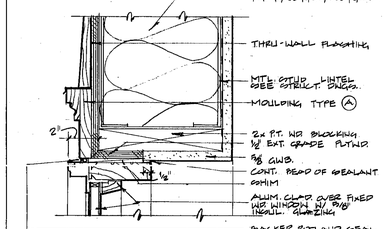
ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111



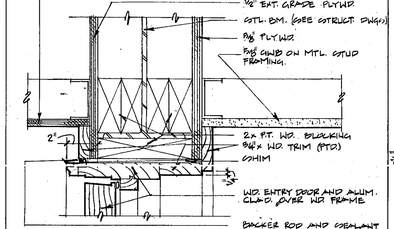
24 REFLECTED CEILING PLAN - WING C UPPER LEVEL
1/8" = 1'-0" REFER TO REFLECTED CEILING PLAN. WING C LOWER LEVEL (SHEET A-33) FOR REFLECTED CEILING PLAN SYMBOLS AND NOTES.



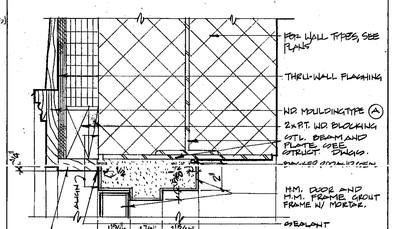
15 DOOR JAMB DETAIL (SIMILAR @ HEAD)



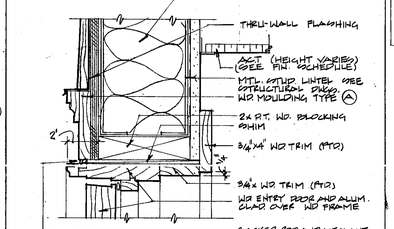
12 WINDOW HEAD DETAIL SIMILAR @ JAMB
3"=1'-0"



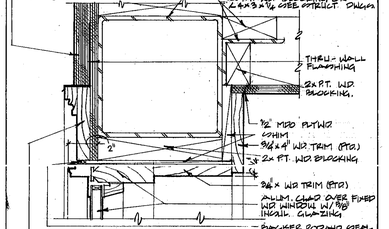
9 DOOR HEAD DETAIL @ KINDERGARTEN
3"=1'-0" (SOUTH ELEVATION)



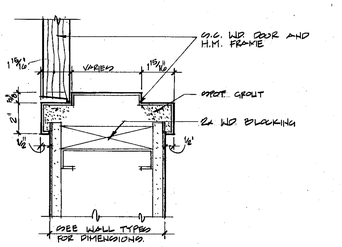
6 DOOR HEAD DETAIL (SIMILAR @ JAMB)
3"=1'-0"



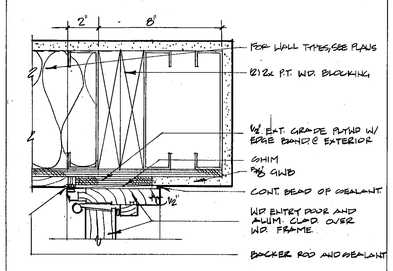
3 DOOR HEAD DETAIL
3"=1'-0"



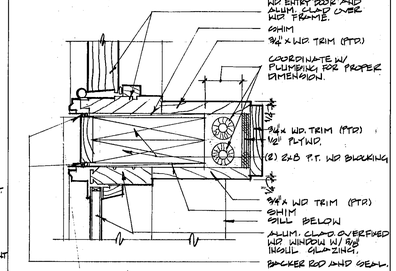
1 TRANSOM HEAD DETAIL
3"=1'-0"



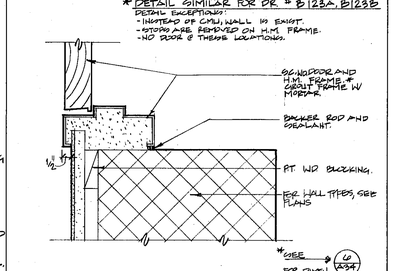
16 DOOR JAMB DETAIL (SIMILAR @ HEAD)
3"=1'-0"



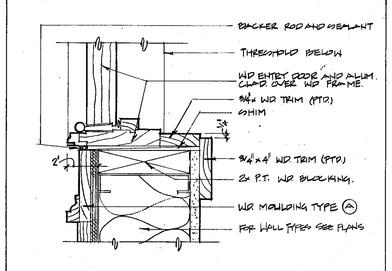
13 DOOR JAMB DETAIL
3"=1'-0"



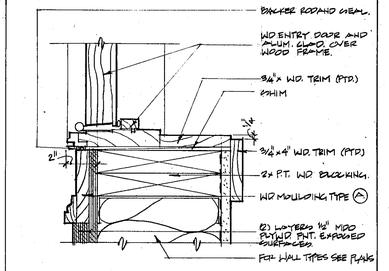
10 DR./WINDOW JAMB DTL. @ KINDERGARTEN.
3"=1'-0" (SOUTH ELEVATION)



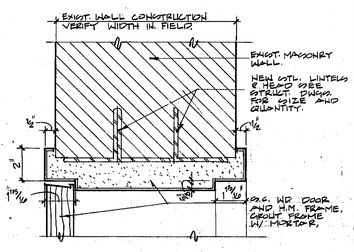
7 DOOR JAMB DETAIL (SIMILAR @ HEAD)
3"=1'-0"



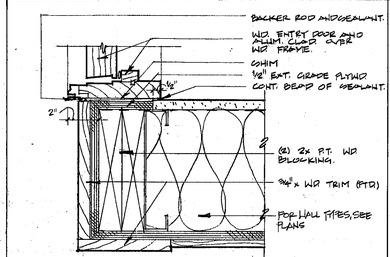
4 DOOR JAMB DETAIL
3"=1'-0"



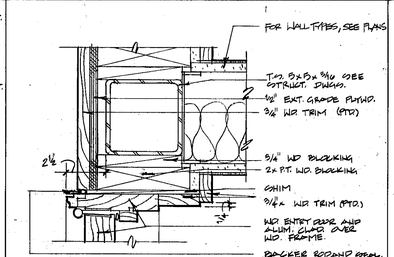
2 DOOR JAMB DETAIL
3"=1'-0"



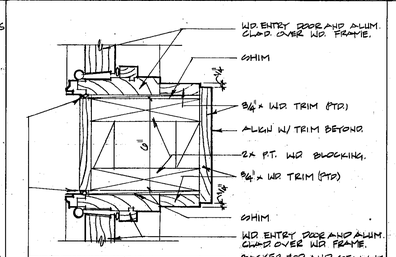
17 DOOR HEAD DETAIL @ EXIST. WALL
3"=1'-0" (SIMILAR @ JAMB)



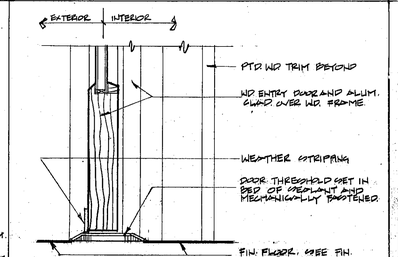
14 DOOR JAMB DETAIL
3"=1'-0"



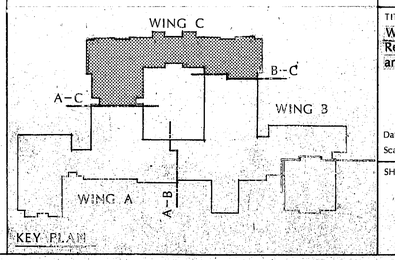
11 DOOR JAMB @ WING 'C' CLASSROOM
3"=1'-0"



8 MAIN ENTRANCE DOORS CENTER SUPPORT.
3"=1'-0"



5 DOOR THRESHOLD DETAIL
3"=1'-0"



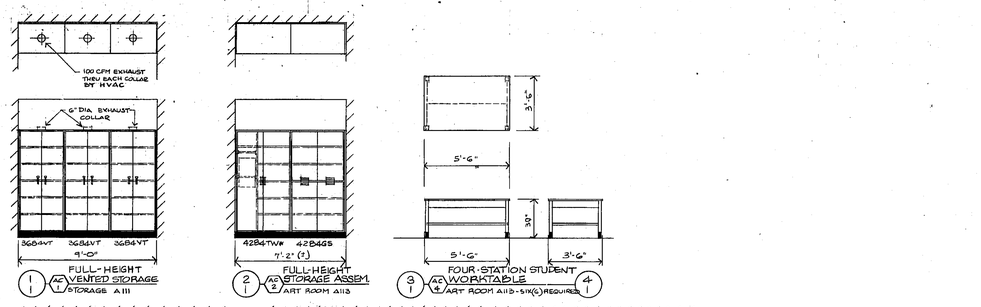
HALIFAX ELEMENTARY SCHOOL
ADDITION AND RENOVATIONS TO THE
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

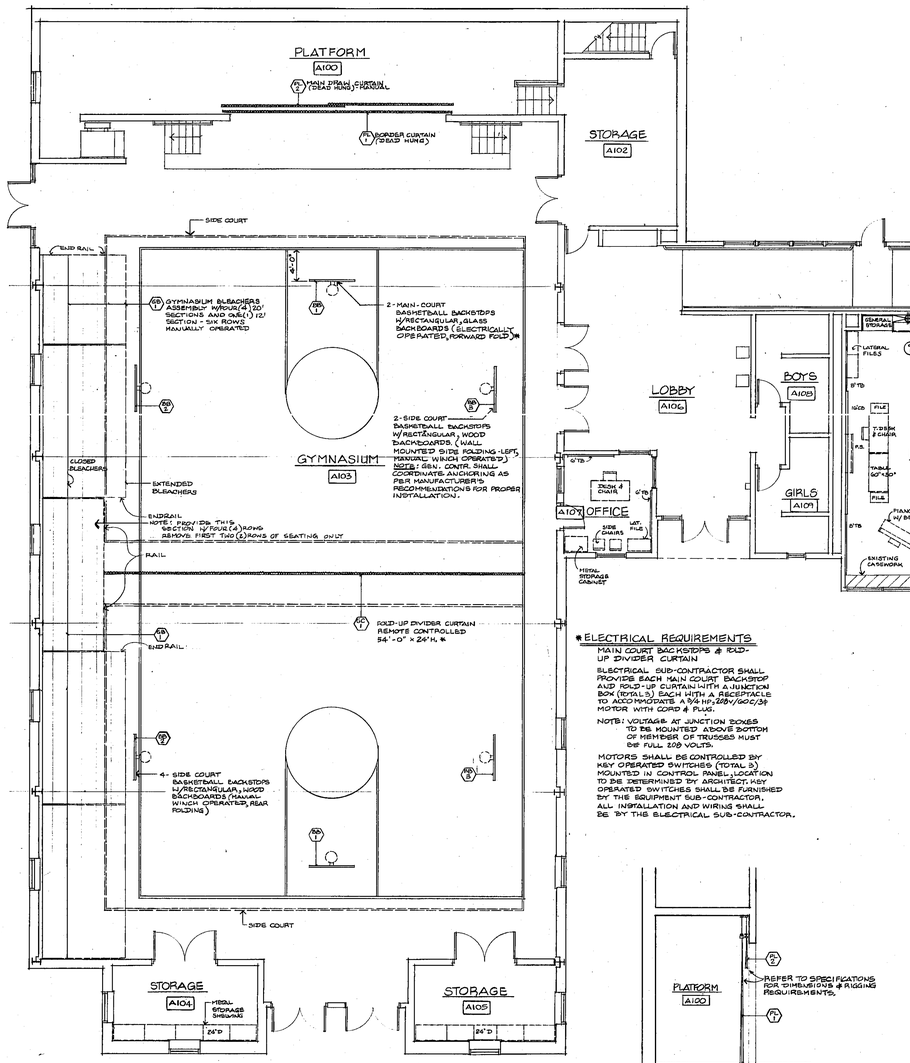
TITLE:
Wing 'C' Upper Level Reflected Ceiling Plan and Door Details

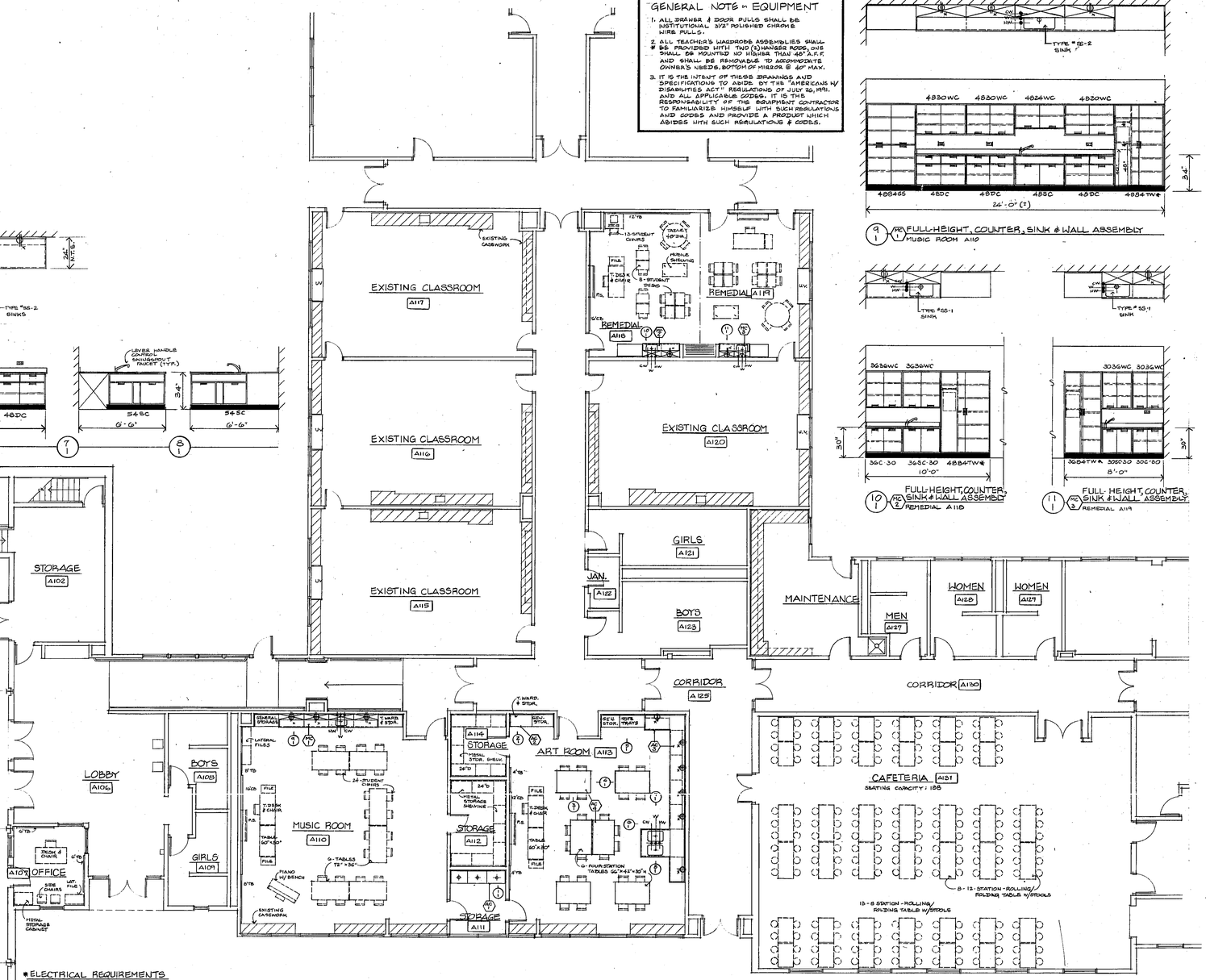
Date: SEPT 28 1994 Drawn By:
Scale: 1" = NOTED Job No: 9308 / 9104

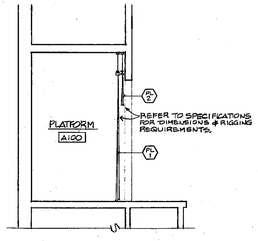
SHEET:
A-34

TYPOTECH









SECTION THRU PLATFORM
SCALE: 1/8" = 1'-0"

GENERAL NOTE re EQUIPMENT

1. ALL DRAWER & DOOR PULLS SHALL BE INSTITUTIONAL 3½" POLISHED CHROME WIRE PULLS.
2. ALL TEACHER'S WARDROBE ASSEMBLIES SHALL BE PROVIDED WITH TWO (2) HANGER RODS, ONE SHALL BE MOUNTED NO HIGHER THAN 48" A.F.F. AND SHALL BE REMOVABLE TO ACCOMMODATE OWNER'S NEEDS, BOTTOM OF MIRROR @ 60" MAX.
3. IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO ABIDE BY THE "AMERICANS W/ DISABILITIES ACT" REGULATIONS OF JULY 26, 1991. AND ALL APPLICABLE CODES. IT IS THE RESPONSIBILITY OF THE EQUIPMENT CONTRACTOR TO FAMILIARIZE HIMSELF WITH SUCH REGULATIONS AND CODES AND PROVIDE A PRODUCT WHICH ABIDES WITH SUCH REGULATIONS & CODES.

*ELECTRICAL REQUIREMENTS

MAIN COURT BACKSTOPS & FOLD-UP DIVIDER CURTAIN

ELECTRICAL SUB-CONTRACTOR SHALL PROVIDE EACH MAIN COURT BACKSTOP AND FOLD-UP CURTAIN WITH A JUNCTION BOX (TOTAL 3) EACH WITH A RECEPTACLE TO ACCOMMODATE A 3/4 HP, 208V/60C/3ϕ MOTOR WITH CORD & PLUG.

NOTE: VOLTAGE AT JUNCTION BOXES TO BE MOUNTED ABOVE BOTTOM OF MEMBER OF TRUSSES MUST BE FULL 208 VOLTS.

MOTORS SHALL BE CONTROLLED BY KEY OPERATED SWITCHES (TOTAL 3) MOUNTED IN CONTROL PANEL, LOCATION TO BE DETERMINED BY ARCHITECT. KEY OPERATED SWITCHES SHALL BE FURNISHED BY THE EQUIPMENT SUB-CONTRACTOR. ALL INSTALLATION AND WIRING SHALL BE BY THE ELECTRICAL SUB-CONTRACTOR.

STAINLESS STEEL SINK ASSEMBLY SCHEDULE

NOTE: EACH OF THE STAINLESS SINK ASSEMBLIES CALLED FOR IN THE ITEMIZED EQUIPMENT LISTING OF THE SPECIFICATIONS SHALL INCLUDE THE FOLLOWING COMPONENTS UNLESS OTHERWISE NOTED.

TYPE "SS-1
- 1- STAINLESS STEEL SINGLE BOWL SINK 17" x 25" OVERALL W/BOWL 14"x16" x 7½" I.D. (JUST "CRA-1725-A-GR)
- 1- H & CW MIXING SWINGSPOUT FAUCET (JUST "J-900)
- 1- STRAINER & TAILPIECE ASSEMBLY (JUST "J-35)

TYPE "SS-2
- 1- STAINLESS STEEL SINGLE BOWL ART SINK 19" x 31" OVERALL W/BOWL 16" x 22" x 7½" D I.D. (JUST "CRA-1931-A-GR)
- 1- H & CW MIXING SWINGSPOUT FAUCET (JUST "J-900)
- 1- STRAINER & TAILPIECE ASSEMBLY (JUST "J-35)

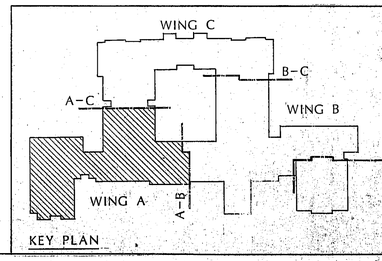
TYPE "SS-3
- 1- STAINLESS STEEL SINGLE BOWL SINK 17" x 25" OVERALL W/BOWL 14"x16"x7½" I.D. (JUST "CRA-1725-A-GR)
- 1- H & CW MIXING SWINGSPOUT FAUCET (JUST "J-900)
- 1- STRAINER & TAILPIECE ASSEMBLY (JUST "J-35)
- 1- BUBBLER ASSEMBLY (JUST JBB-B3)

GENERAL NOTES

1. All Fixed Casework shown on these Equipment Drawings and identified with an AC, and MC, Item number shall be bid as part of the General Contract.
2. Plumbing and electrical fixtures including nipples and locknuts required for mounting in or on the equipment shall be furnished by the Equipment Sub-Contractor. Such fixtures shall be furnished unattached and unassembled to the Plumbing and Electrical Sub-Contractors. The Plumbing and Electrical Sub-Contractors shall install fixtures and provide all internal piping and wiring, and final connections to equipment service fixtures, as part of the General Contract.
3. Equipment Sub-Contractor shall furnish sinks, including overflows, plugs, strainers and tailpieces required for mounting in the equipment. Basins shall be installed in the cabinetwork by the Equipment Sub-Contractor. Fixtures shall be furnished unattached and unassembled to the Plumbing Sub-Contractor, and he shall install fixtures and provide, install and connect all service lines, traps, drainlines, vents and piping within the cabinetwork in service turrets or tunnels, through, under or along backs of work surfaces as part of the General Contract.

EQUIPMENT DRAWING SYMBOLS LEGEND

ϕ		Duplex Receptacle 120V/60C/1ϕ
ϕ_{GI}		Duplex Receptacle 120V/60C/1ϕ -45" A.F.F.
ϕ_{EQ}		Duplex Receptacle 120V/60C/1ϕ -By Equip. Contr.
ϕ		Receptacle - Current As noted
ϕ	F.O.	Floor Receptacle - Duplex 120V/60C/1ϕ
ϕ		Drop Cord Receptacle 120V/60C/1ϕ
ϕ		Phase
	H.P.	Horse Power
ϕ	E.	Electrical Direct Connection -Current As Noted
ϕ	E.S.	Panic Button - Recommended Locations
⊟		SINGLE FACED PEDESTAL BOX - DUPLEX REC.
✦	C.W.	Cold water
✦	H.W.	Hot Water
✦	W.	Waste
✦	G.	Gas
✦	A.	Air
✦	I.D.	Indirect Waste
A	G2	Double Gas Turret - 90°
✦	A	Air outlet



STAMP:

OSO INTERIORS
64 Crescent Avenue
Malden, Massachusetts 02148

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

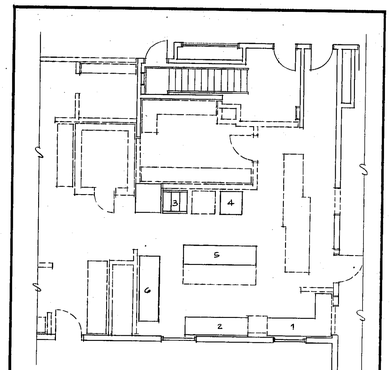
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing A:
Furnishing and Casework Plan

Date: SEPTEMBER 1992 Drawn By: CS/A.OB.
Scale: PLAN: 1/8" = 1'-0" ELEV: 1/4" = 1'-0" Job No: 9005

SHEET:
EQ-1

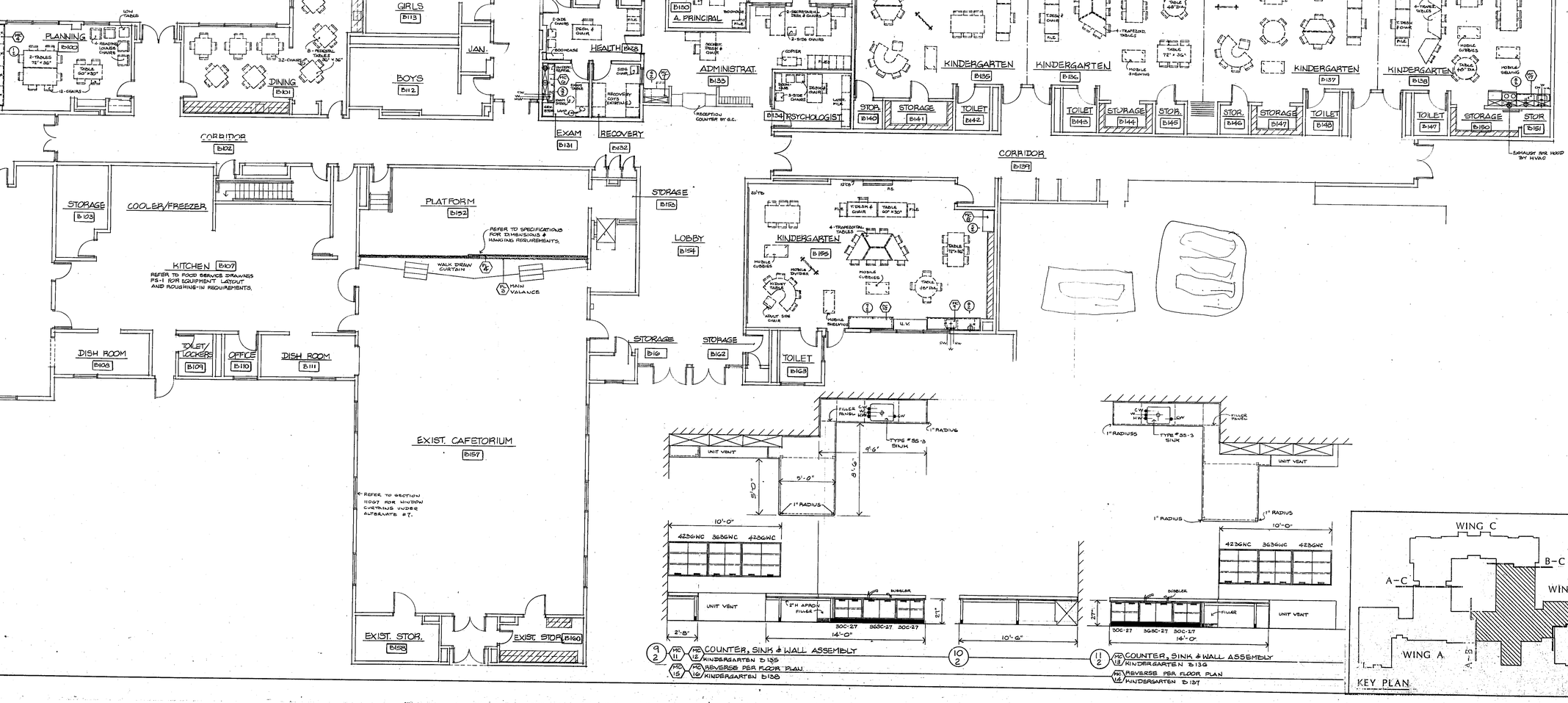
TYPOTECH

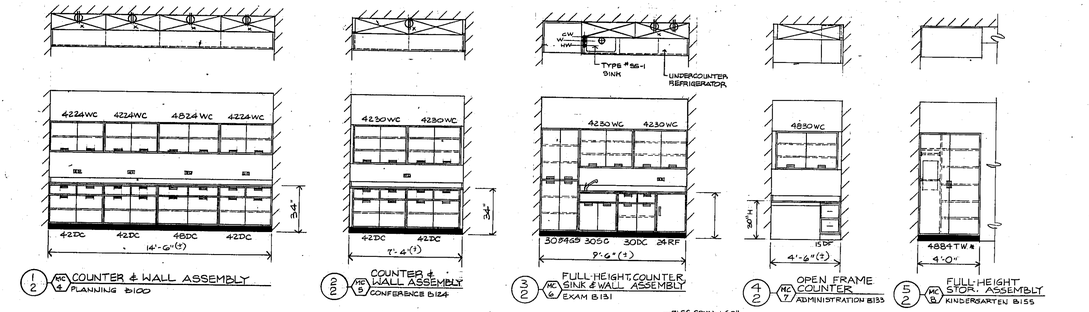


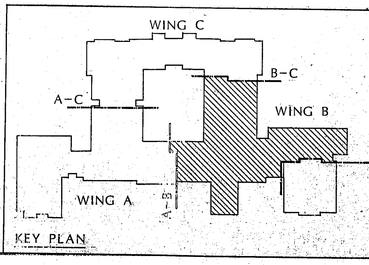
PARTIAL KITCHEN DEMOLITION PLAN

THE FOLLOWING ITEMS SHALL BE SAVED TO BE REUSED - G.C. TO DISCONNECT & STORE IN A LOCATION TO BE DETERMINED BY OWNER.

1 - SOILED DISHTABLE - 5/5
2 - CUBAN DISHTABLE - 5/5
3 - GRIDDLE TOP RANGE - TOASTMASTER #RA36GIRA
4 - CONVECTION OVEN - BLODGETT # RS-42
5 - WORKTABLE - 5/6
6 - POT WASHING SINK







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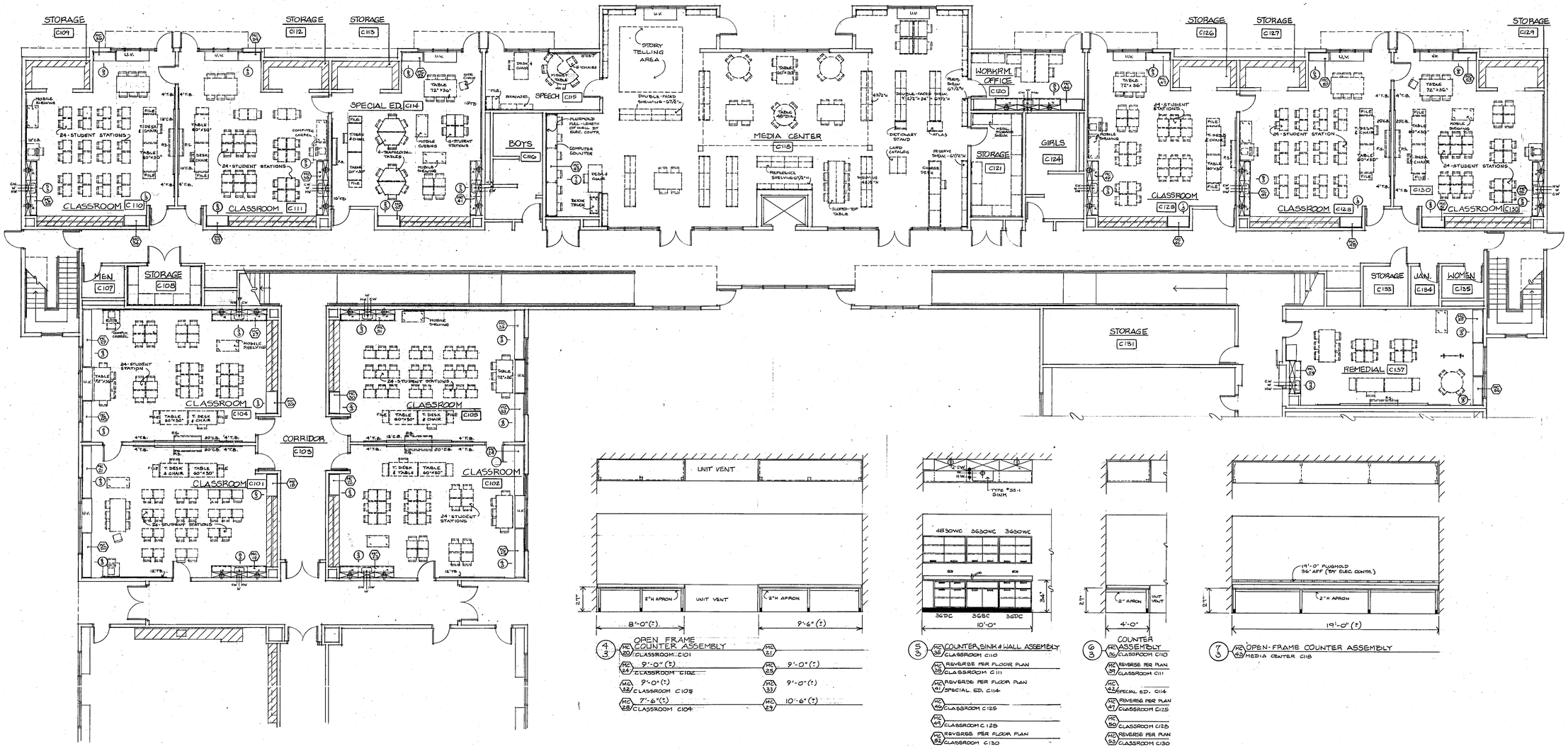
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

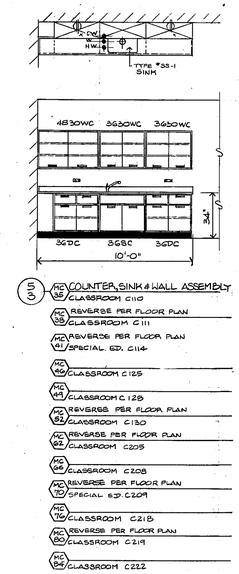
TITLE:
Wing B:
Furnishing and Casework Plan.

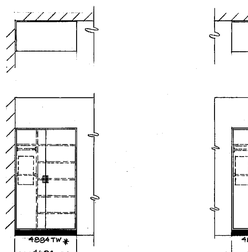
Date: SEPT. 26, 1992 Drawn By: CS/A.D'B.
Scale: PLAN: 3/8"=1'-0" ELEV: 3/4"=1'-0" Job No.: 9005

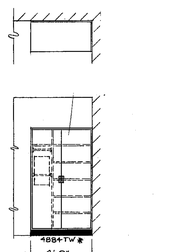
SHEET:
EQ-2

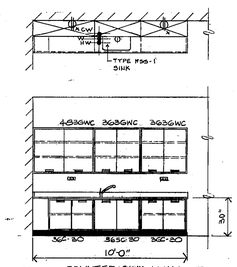
TYPOTECH

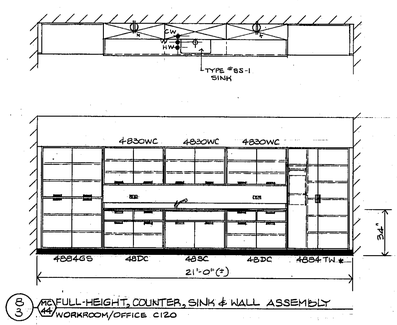


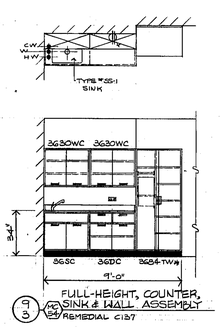


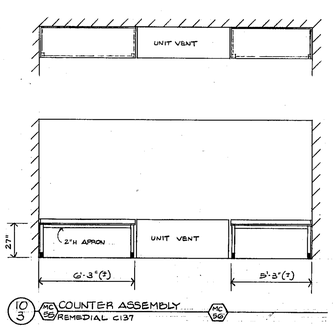


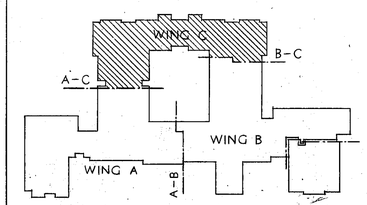












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REVISIONS:

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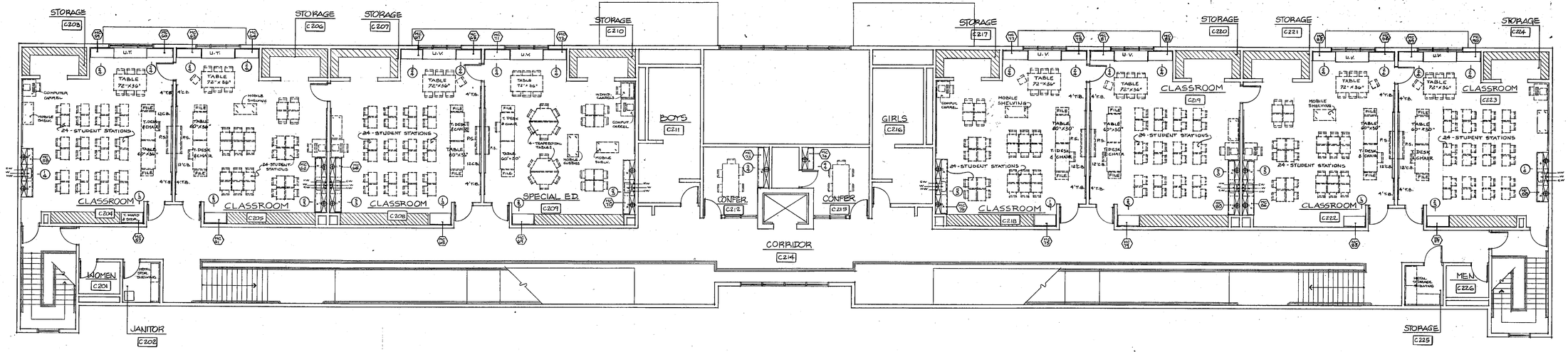
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

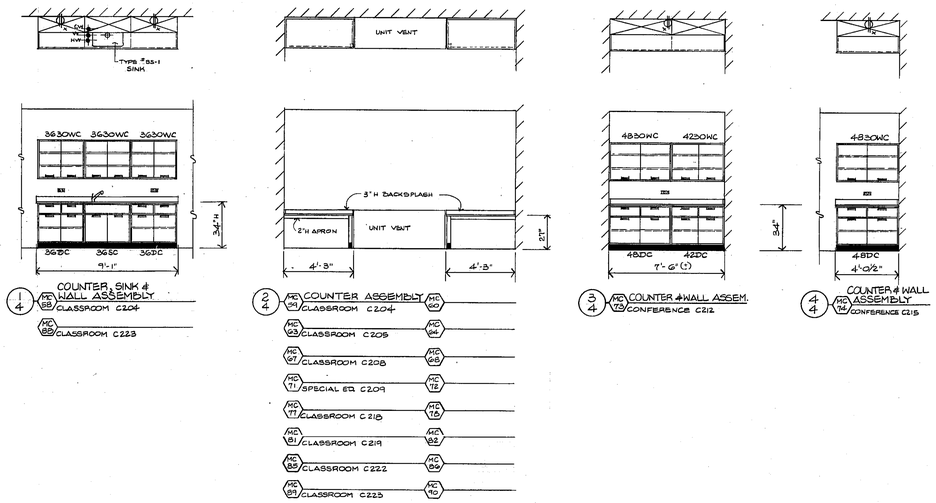
TITLE:
Wing C:
Lower Level Furnishing and Casework Plan

Date: SEPT. 18, 1996 Drawn By: CS/A.O'B
Scale: PLAN: 1/8"=1'-0" ELEV 1/4"=1'-0" Job No: 9005

SHEET:
EQ-3

TYPOTECH



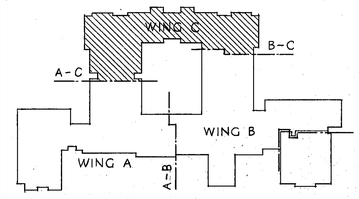


1 / 4 COUNTER, SINK & WALL ASSEMBLY
MC 58 CLASSROOM C204
MC 58 CLASSROOM C223

2 / 4 COUNTER ASSEMBLY
MC 91 CLASSROOM C204
MC 93 CLASSROOM C205
MC 97 CLASSROOM C208
MC 71 SPECIAL ED C209
MC 77 CLASSROOM C218
MC 81 CLASSROOM C219
MC 89 CLASSROOM C222
MC 85 CLASSROOM C225
MC 60
MC 64
MC 68
MC 72
MC 76
MC 82
MC 86
MC 90

3 / 4 COUNTER & WALL ASSEM.
MC 73 CONFERENCE C212

4 / 4 COUNTER & WALL ASSEMBLY
MC 74 CONFERENCE C215



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ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing C; Upper Level Furnishing and Casework Plan

Date: SEPT. 28, 1992 Drawn By: C.S./A.O'B.
Scale: PLAN: 1/4"=1'-0" ELEV: 1/4"=1'-0" Job No: 9005

SHEET:
EQ-4

TYPOTECH

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Malden, Massachusetts 02148

REVISIONS:

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ARCHITECTS AND PLANNERS
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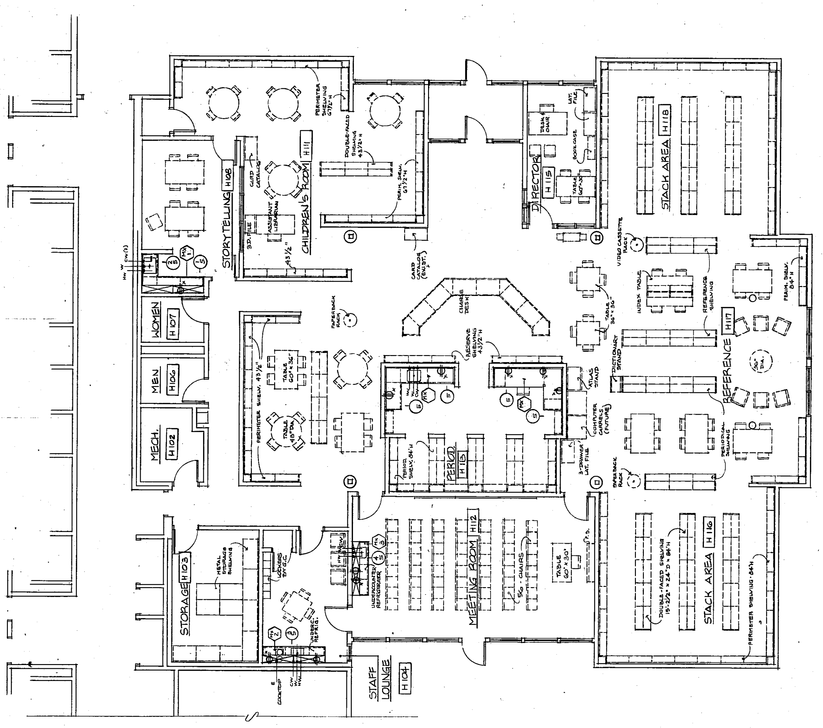
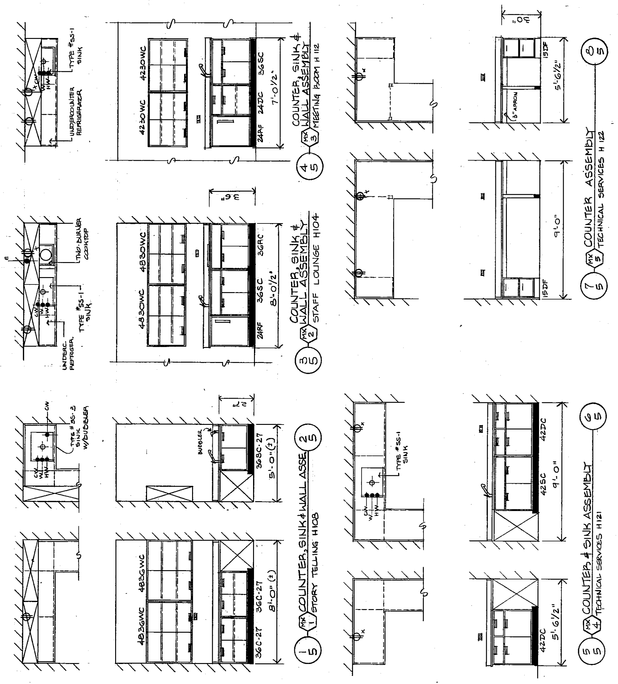
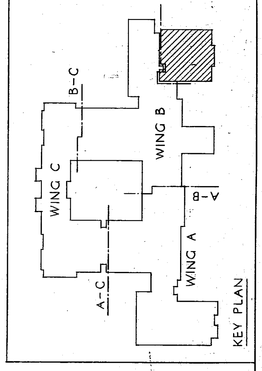
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE: Holmes Library: Furnishing and Casework Plan

Date: Sept. 23, 1992 Drawn By: A.O.B.
Scale: PLAN 1/8"=1'-0" Job No: 9005
SHEET: EQ-5

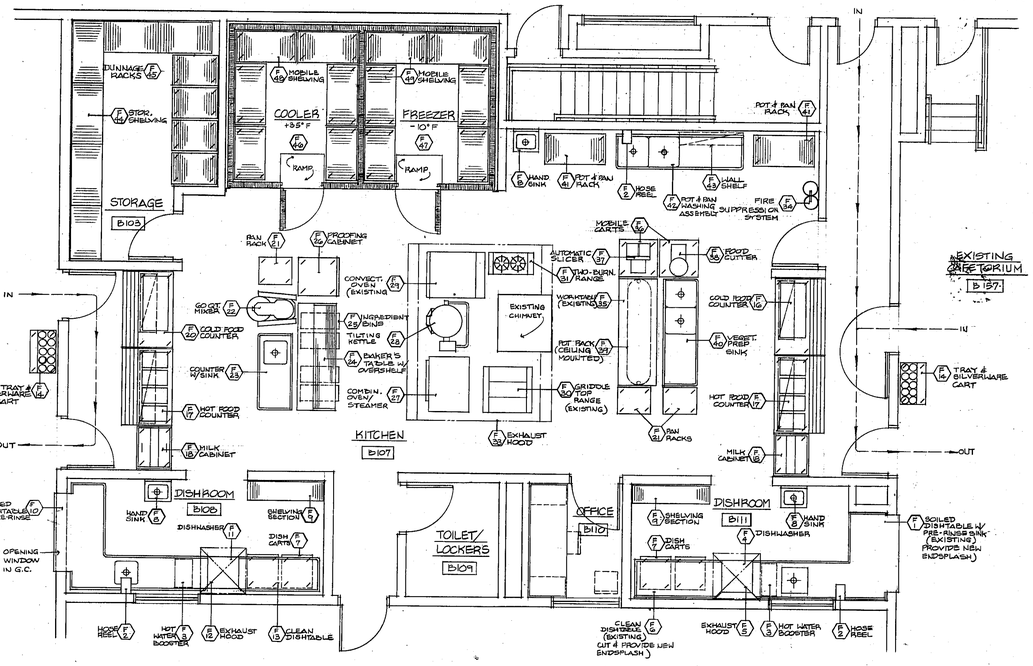


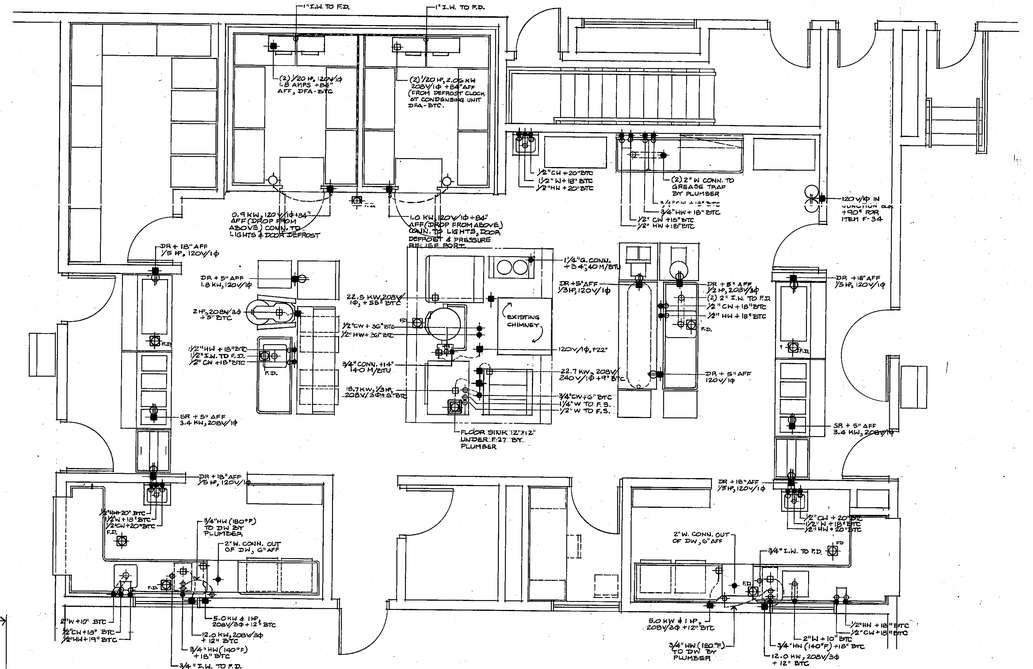


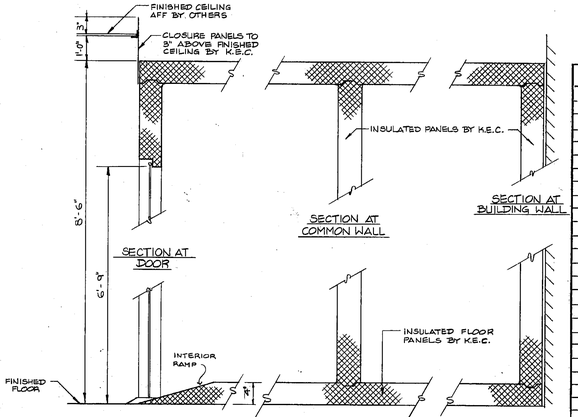


FOOD SERVICE EQUIPMENT SCHEDULE & CONNECTIONS

ITEM NO.	Q'TY.	DESCRIPTION	MAKE & MODEL	PLUMBING HW	CW	W'	I.W.	F.D.	GAS	H.B.T.U.	VENT CFM	ELECTRICAL H.P.	KW	VOLT.	ϕ	C.&P.	REMARKS
F-1	1	SOILED DISHTABLE W/ PRE-RINSE SINK & PASS-THRU	EXISTING-S/S	—	—	2"	—	—	—	—	—	—	—	—	—	—	
F-2	3	HOSE REEL ASSEMBLY	T & S BRASS B-14-03	½"	½"	—	—	—	—	—	—	—	—	—	—	—	
F-3	2	HOT WATER BOOSTER	HATCO CC-12	¾"(H)	—	—	¾"	YES	—	—	—	—	12.0	208	3	—	¾"HW & IBO° TO DW BY PLUMBER
F-4	1	DISHWASHER	HOBART AM-14	¾"(60)	—	—	2"	YES	—	—	—	1	5.0	208	3	—	
F-5	1	DISHWASHER EXHAUST HOOD	FABRICATE-S/S	—	—	—	—	—	—	—	600	—	—	—	—	—	
F-6	1	CLEAN DISHTABLE	EXISTING-S/S	—	—	—	—	—	—	—	—	—	—	—	—	—	
F-7	4	DISH CARTS	CADDY T-160	—	—	—	—	—	—	—	—	—	—	—	—	—	
F-8	3	HAND SINK	SECO HS-15-2H	½"	½"	½"	—	—	—	—	—	—	—	—	—	—	
F-9	2	SHELVING SECTION	METRO "SUPER ERECTA"	—	—	—	—	—	—	—	—	—	—	—	—	—	
F-10	1	SOILED DISHTABLE W/PRE-RINSE SINK & PASS-THRU	FABRICATE-S/S	—	—	2"	—	—	—	—	—	—	—	—	—	—	
F-11	1	DISHWASHER	HOBART AM-14	¾"(60)	—	—	2"	YES	—	—	—	1	5.0	208	3	—	
F-12	1	DISHWASHER EXHAUST HOOD	FABRICATE-S/S	—	—	—	—	—	—	—	600	—	—	—	—	—	
F-13	1	CLEAN DISHTABLE	FABRICATE-S/S	—	—	—	—	—	—	—	—	—	—	—	—	—	
F-14	2	TRAY & SILVERWARE CART	ATLAS TSC	—	—	—	—	—	—	—	—	—	—	—	—	—	
F-15		ITEM NUMBER NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	—	
F-16	1	COLD FOOD COUNTER	ATLAS CAF-4,W/WCM-3/DD-3/SLS	—	—	—	¾"	YES	—	—	—	⅓	—	120	1	YES	
F-17	1	HOT FOOD COUNTER	ATLAS CAF-4,W/WH-4/PR-4/SLS	—	—	—	—	—	—	—	—	—	3.4	208	1	YES	
F-18	2	MILK CABINET	BEVERAGE-AIR ST-34N5	—	—	—	—	—	—	—	—	⅓	—	120	1	YES	
F-19	1	HOT FOOD COUNTER	ATLAS CAF-4,W/WH-4/PR-4/SLS	—	—	—	—	—	—	—	—	—	3.4	208	1	YES	
F-20	1	COLD FOOD COUNTER	ATLAS CAF-4,W/WCM-3/DD-3/SLS	—	—	—	¾"	YES	—	—	—	⅓	—	120	1	YES	
F-21	4	PAN RACKS	EASTERN STEEL A-LT67-1826-18	—	—	—	—	—	—	—	—	—	—	—	—	—	
F-22	1	MIXER - 60 QUARTS	HOBART H-600	—	—	—	—	—	—	—	—	2	—	208	3	—	
F-23	1	COUNTER W/SINK	FABRICATE - S/S	½"	½"	—	1½"	YES	—	—	—	—	—	—	—	—	
F-24	1	BAKER'S TABLE	FABRICATE-S/S	—	—	—	—	—	—	—	—	—	—	—	—	—	
F-25	4	INGREDIENT BIN	RUBBERMAID 3649	—	—	—	—	—	—	—	—	—	—	—	—	—	
F-26	1	PROOFING CABINET	LOCKWOOD CA-72PF	—	—	—	—	—	—	—	—	—	1.8	120	1	YES	
F-27	1	COMBINATION OVEN/STEAMER	FRANKLIN ETO-110F W/BASE	—	¾"	—	1¼"	YES	—	—	—	⅓	18.7	208	3	—	
F-28	1	TILTING KETTLE - 40 GALLON	CLEVELAND KLG-40T W/FAUCET	½"	½"	—	2½"	YES	¾"	140	—	—	—	120	1	—	10 AMPS.
F-29	1	CONVECTION OVEN	EXISTING - BLODGETT RS-42	—	—	—	—	—	—	—	—	—	22.5	208	1	—	
F-30	1	GRIDDLE TOP RANGE	EXISTING-TOASTMASTER RA36 GIRA	—	—	—	—	—	—	—	—	—	21.7 G.-4	208 240	1	—	
F-31	1	TWO-BURNER RANGE	GARLAND 40-45	—	—	—	—	—	1¼"	40	—	—	—	—	—	—	
F-32		ITEM NUMBER NOT USED		—	—	—	—	—	—	—	—	—	—	—	—	—	
F-33	1	EXHAUST HOOD ASSEMBLY	AQUAVENT (2)= AHD-36W/PD/LI/SSM/SPAN (1)= AHD-48W/PD/LI/SSM/SPAN	—	—	—	—	—	—	—	3580	—	0.5	120	1	—	
F-34	1	FIRE SUPPRESSION SYSTEM	ANSUL	—	—	—	—	—	—	—	—	—	—	120	1	—	
F-35	1	WORKTABLE	EXISTING-S/S	—	—	—	—	—	—	—	—	—	—	—	—	—	
F-36	2	MOBILE CART	FABRICATE-S/S	—	—	—	—	—	—	—	—	—	—	—	—	—	
F-37	1	AUTOMATIC SLICER	HOBART - 1712E	—	—	—	—	—	—	—	—	½	—	120	1	YES	
F-38	1	FOOD CUTTER	HOBART 84145	—	—	—	—	—	—	—	—	½	—	208	3	YES	
F-39		POT RACK-CEILING MOUNTED	FABRICATE-S/S	—	—	—	—	—	—	—	—	—	—	—	—	—	
F-40	1	VEGETABLE PREP SINK	FABRICATE-S/S	½"	½"	—	½"	YES	—	—	—	—	—	—	—	—	
F-41	2	POT & PAN RACK	METRO "SUPER ERECTA"	—	—	—	—	—	—	—	—	—	—	—	—	—	
F-42	1	POT WASHING SINK ASSEMBLY	EXISTING-S/S	¾"	¾"	(2)2"	—	—	—	—	—	—	—	—	—	—	"W" THRU GREASE TRAP BY PLUMBER
F-43	1	WALL SHELF	FABRICATE-S/S	—	—	—	—	—	—	—	—	—	—	—	—	—	
F-44	1	LOT-STORAGE SHELVING	METRO "SUPER ERECTA"	—	—	—	—	—	—	—	—	—	—	—	—	—	
F-45	4	DUNNAGE RACK	EASTERN STEEL D40	—	—	—	—	—	—	—	—	—	—	—	—	—	
F-46	1	WALK-IN COOLER (+35°F)	BALLY, THERMO KOOL	—	—	—	—	—	—	—	—	.09	120	1	—	TO LIGHTS & DOOR DEFROST	
	1	EVAPORATOR COIL	CLIMATE CONTROL LSC-090A	—	—	—	1"	YES	—	—	—	(2)⅓	—	120	1	—	
	1	CONDENSING UNIT	CLIMATE CONTROL TRH0101MI-2F	—	—	—	—	—	—	—	—	1	—	208	3	—	ROOF MOUNTED
F-47	1	WALK-IN FREEZER (-10°F)	BALLY, THERMO KOOL	—	—	—	—	—	—	—	—	—	1.0	120	1	—	TO LIGHTS, DOOR DEFROST & PRES. RELIEF
	1	EVAPORATOR COIL	CLIMATE CONTROL LSF094A	—	—	—	1"	YES	—	—	—	(2)⅓	2.06	208	1	—	
	1	CONDENSING UNIT	CLIMATE CONTROL TRH020LS-3F	—	—	—	—	—	—	—	—	2	2.06	208	3	—	ROOF MOUNTED
F-48	1	LOT-MOBILE SHELVING	METRO "SUPER ERECTA"	—	—	—	—	—	—	—	—	—	—	—	—	—	
F-49	1	LOT-MOBILE SHELVING	METRO "SUPER ERECTA"	—	—	—	—	—	—	—	—	—	—	—	—	—	







F46 F47 SECTION THRU WALK-IN REFRIGERATED ROOMS - N.T.S.

COOLER F46 — 1 HP, 230V/3φ

FREEZER F47 — 2 HP, 2.06 KW, 208V/3φ

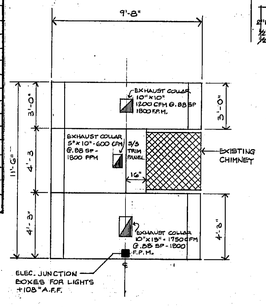
2.06 KW (4 WIRES) FROM DEFROST CLOCH TO EVAPORATOR COIL IN FREEZER.

CONDENSING UNITS - ROOF MOUNTED N.T.S.

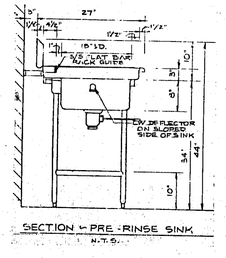
NOTE: 1.) CONDENSING UNITS SHALL BE AIR-COOLED ROOF-MOUNTED TYPE.
2.) UNITS SHALL BE MOUNTED ON ROOF AREA OVER WALK-IN UNITS.
3.) GENERAL CONTRACTOR SHALL PROVIDE PITCH BOXES AND MOUNTING STRUCTURE FOR CONDENSING UNITS.

SYMBOL & ABBREVIATION SCHEDULE

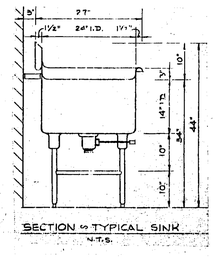
A.F.F.	Above Finished Floor
B.T.C.	Branch to Connection
C&P	Cord and Plug
C.F.M.	Cubic Feet per Minute
C.W.	Cold Water
D.F.A.	Drop From Above
D.R.	Duplex Electric Receptacle
F.D.	Floor Drain
G.C.	General Contractor
H.P.	Horse Power
H.W.	Hot Water
I.W.	Indirect Waste
K.E.C.	Kitchen Equipment Contractor
K.W.	Kilowatt
N.T.S.	Not To Scale
S. P.	Static Pressure
S.R.	Single Receptacle (As Noted)
W.	Waste
CW/HW	Rough-in Location
CW/HW	Connection Location
W	Waste
W/IW	Connection Location
	Electrical Junction Box/Rough-in Location
	Electrical Connection Location
	Electrical Receptacle (power as noted)
	Phase
	Electrical Receptacle 45" A.F.F.



F39 EXHAUST HOOD
SCALE: ⅜" = 1'-0"



SECTION ⏤ PRE-RINSE SINK
N.T.S.



SECTION ⏤ TYPICAL SINK
N.T.S.

GENERAL NOTES - DRAWINGS FS-1

1. Connections, dimensions and roughing-in notations shown on these drawings are to be used for estimating engineering requirements only.
2. The K.E.C. shall provide 1/2"=1'-0", accurate stub-up plans showing exact size and locations of all stub-ups.
3. Services to fixtures should come out of walls where possible; allowing clearance for traps, valves and switches.
4. Connecting piping, shut-off valves, drainlines and traps shall be provided and installed by the Plumbing Sub-Contractor.
5. Outlets boxes conduit and connecting wiring shall be provided and installed by the Electrical Sub-Contractor.
6. Blowers, ductwork and duct connections shall be provided and installed by the Heating and Ventilating Sub-Contractor.

STAMP

OSO INTERIORS
64 Crescent Avenue
Malden, Massachusetts 02148

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

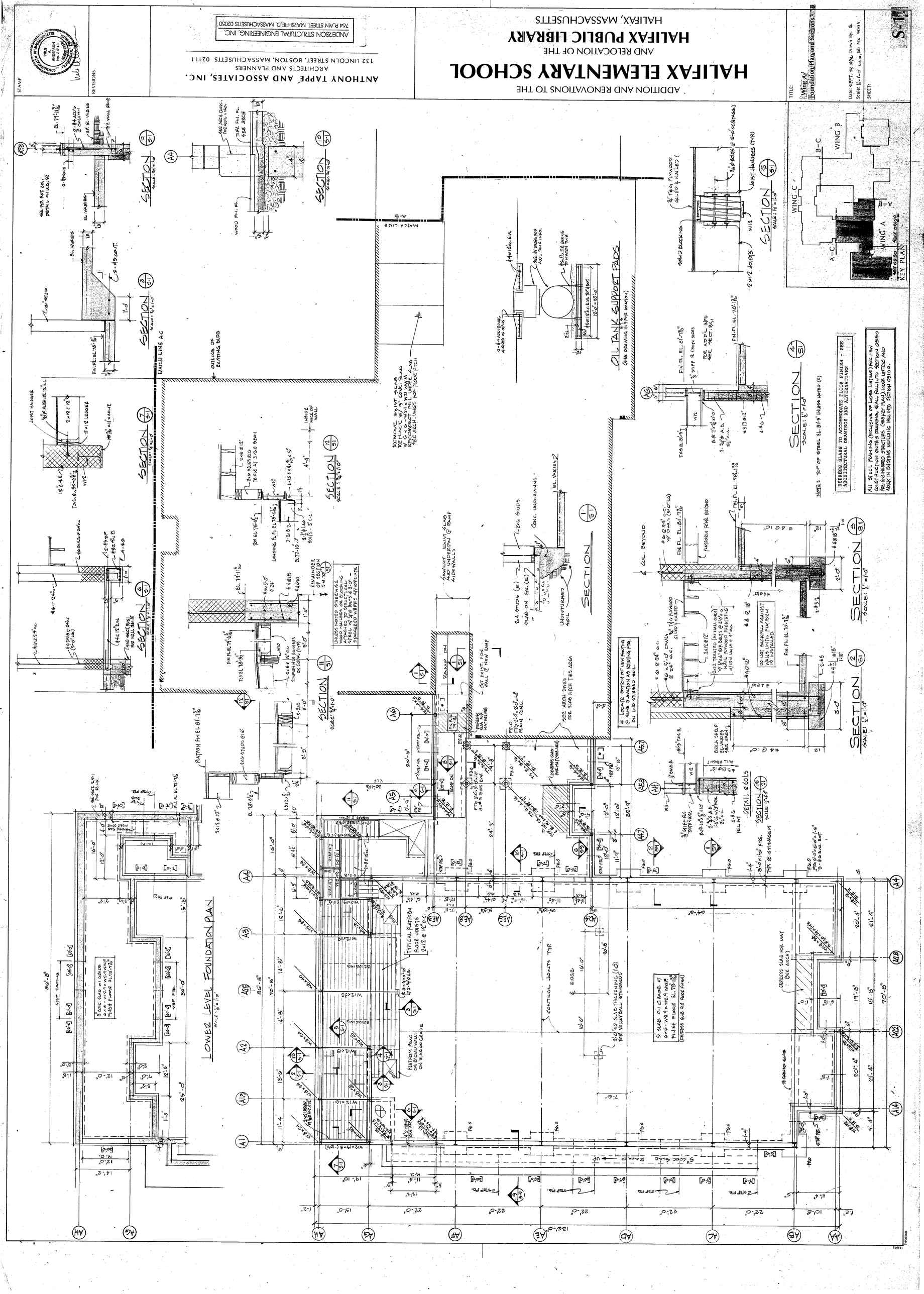
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Food Service Equipment: Plan / Schedule / Details

Date: SEPT 28, 1972 Drawn By: C.S./A.O.B.
Scale: ¼"=1'-0" Job No: 9005

SHEET:
FS-1

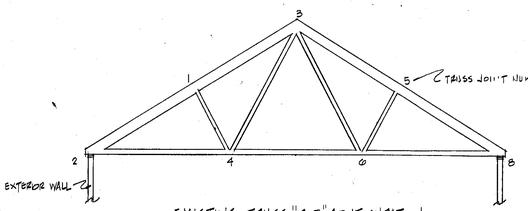
TYPOTECH



ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS
ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111
ANDERSON STRUCTURAL ENGINEERING, INC.
764 PLAIN STREET, MARSHFIELD, MASSACHUSETTS 02050
STAMP
REVISIONS:
TITLE:
Wing A: Foundation Plan and Sections
Date: SEPT. 23, 1992 Drawn By: G.
Scale: 1/8"=1'-0" Unit Job No: 9005
SHEET:
S-1
KEY PLAN
WING A
WING B
WING C
A-C
B-C
SECTION 1/S1
SECTION 2/S1
SECTION 3/S1
SECTION 4/S1
SECTION 5/S1
SECTION 6/S1
SECTION 7/S1
SECTION 8/S1
SECTION 9/S1
SECTION 10/S1
SECTION 11/S1
SECTION 12/S1
SECTION 13/S1
DETAIL @ COLS
OIL TANK SUPPORT PADS
LOWER LEVEL FOUNDATION PLAN
MATCH LINE A-C
OUTLINE OF EXISTING BLDG
DEPRESS SLABS TO ACCOMMODATE FLOOR FINISH - SEE ARCHITECTURAL DRAWINGS AND ALTERNATIVES
ALL STEEL FRAMING (EXCLUSIVE OF LOOSE LINTELS) FOR NEW CONSTRUCTION ON THIS DRAWING, SHALL FALL INTO SECTION 05150 PRE-ENGINEERED STRUCTURE. (SEE KEY PLAN) LOOSE LINTELS AND WORK IN EXISTING BUILDING FALL INTO SECTION 05100.
NOTE: TOP OF STEEL EL. 81'-5" UNLESS NOTED (*)
* - LOCATE BOTTOM OF NEW FOOTING @ SAME ELEVATION AS EXISTING FTG. ON UNDISTURBED SOIL.
DO NOT BACKFILL AGAINST WALLS UNTIL PLATFORM IS INSTALLED.
CONTROL JOINTS TYP.
TYPICAL PLATFORM FLOOR JOISTS 2x12 @ 12" O.C.
PLATFORM PRING ON 8" CMU WALLS ON SLAB ON GRADE
5" SLAB ON GRADE W/ 6x6-W2.9xW2.9 WWF FINISH FLOOR EL. 78'-1 3/16" (DEPRESS SLAB FOR FLOOR FINISH)
DEPRESS SLAB FOR MAT (SEE ARCH)

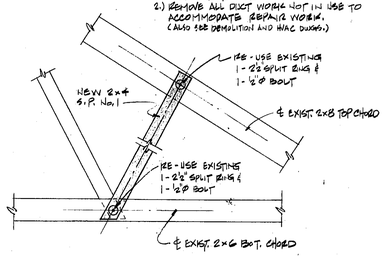
REQUIRED TRUSS REPAIR

TRUSS NUMBER (SEE PLAN)	MEMBER	DESCRIPTION OF DAMAGE	REPAIR DETAIL
#3	5 - 6	MEMBER HAS BEEN CUT	DETAIL "A"
#3	6 - 8	" "	DETAIL "D"
#4	3 - 6	" "	DETAIL "C"
#7	1 - 4	" "	DETAIL "A"
#7	5-6	" "	DETAIL "A"
#9	6 - 8	MEMBER HAS BEEN CUT (FOR HATCH)	DETAIL "E"
#11	3 - 6	MEMBER IN POOR CONDITION	DETAIL "B"

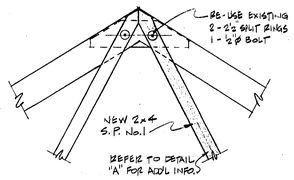


EXISTING TRUSS "2-3" CONFIGURATION

NOTES:
1.) EACH TRUSS MUST BE JACKED-UP PRIOR TO ANY REPAIR WORK.
2.) REMOVE ALL DUCT WORK NOT IN USE TO ACCOMMODATE REPAIR WORK. (ALSO SEE DEMOLITION AND HVAC DWGS.)

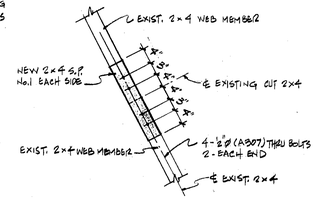


DETAIL "A"

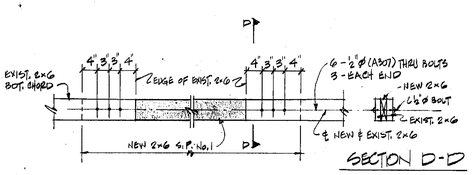


DETAIL "B"

S.P. - DENOTES SOUTHERN PINE 19% M.C.

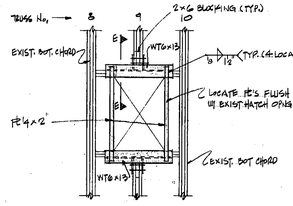


DETAIL "C"

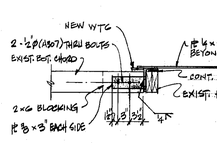


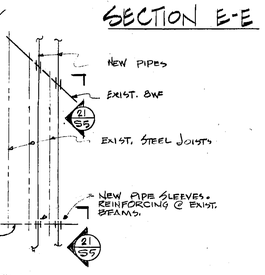
SECTION D-D

DETAIL "D"



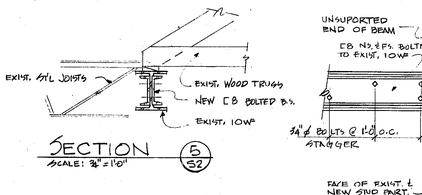
DETAIL "E"



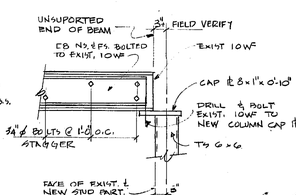


SECTION E-E

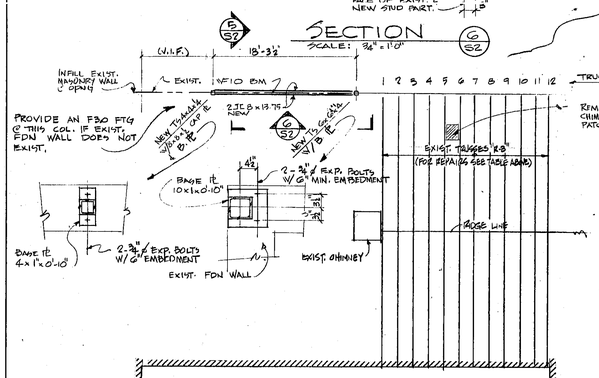
NOTE: COORDINATE EXACT LOCATION OF PIPE SLEEVES W/PLUMBING, S/FIXTURES & EXISTING CONDITIONS.



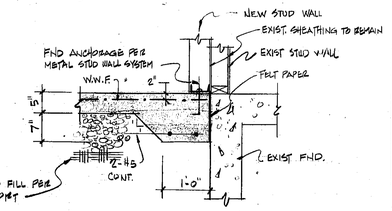
SECTION 5/S2



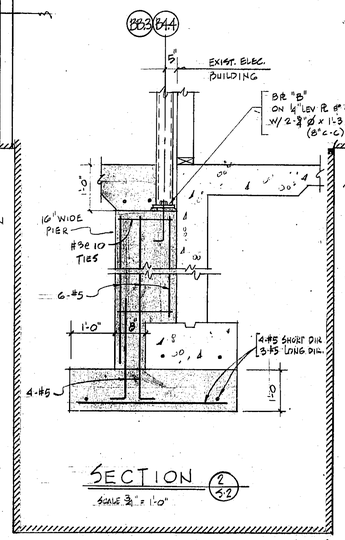
SECTION 6/S2



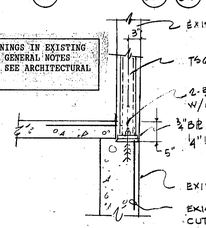
EXISTING ROOF FRAMING
SCALE: ⅛" = 1'-0"



SECTION 1/S2

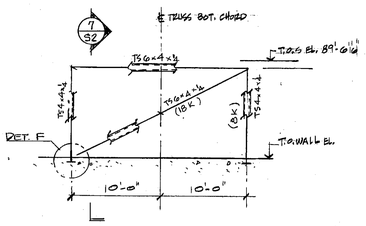


SECTION 2/S2

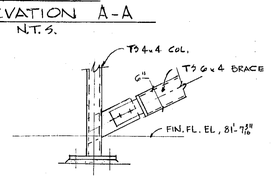


SECTION 3/S2

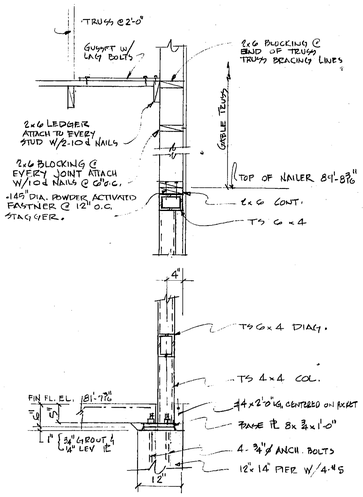
SECTION 4/S2



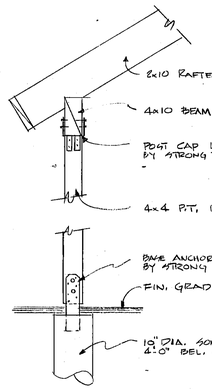
B-BRACE ELEVATION A-A
N.T.S.



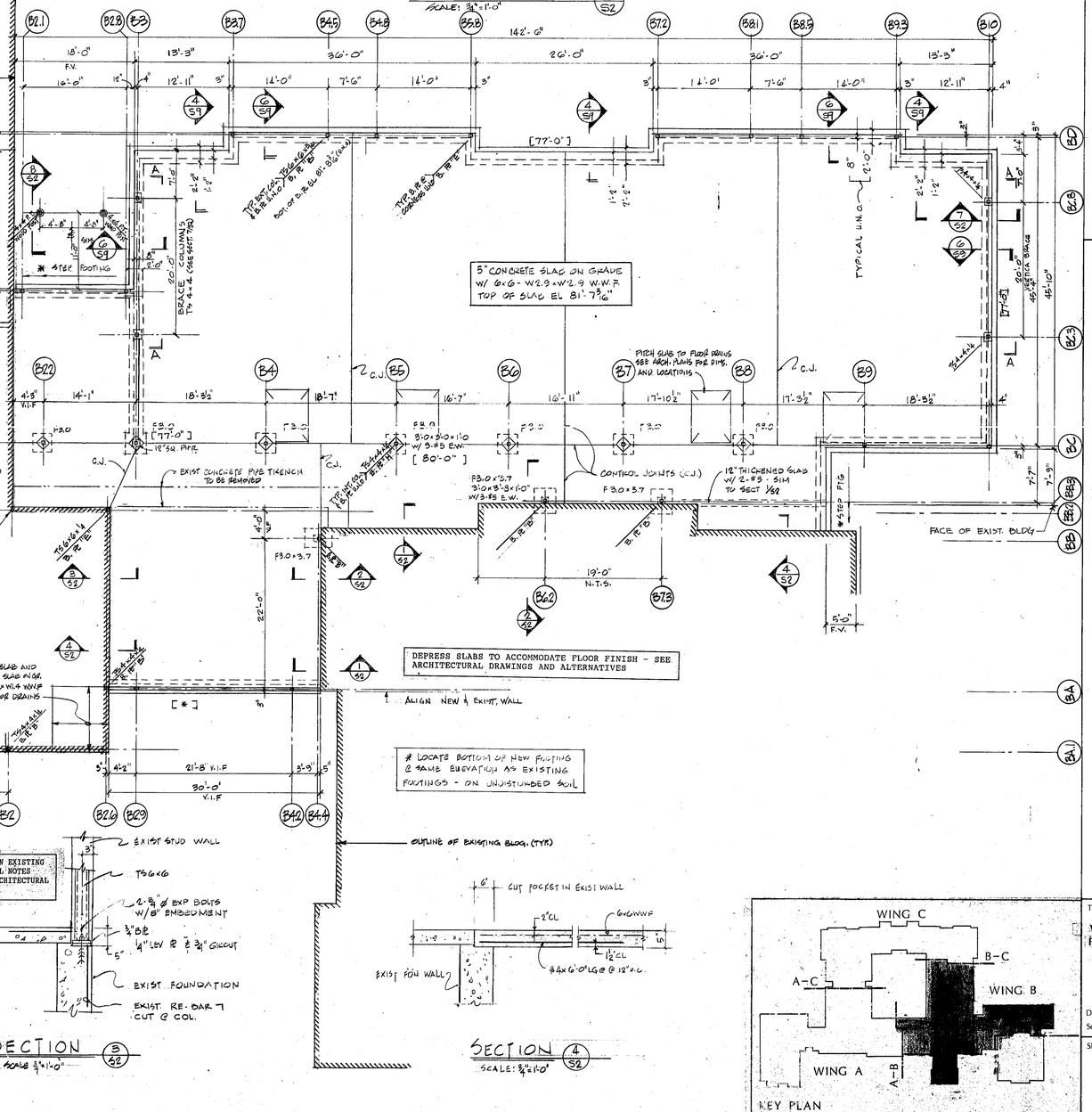
DETAIL F
SCALE: 3/4" = 1'-0"



SECTION 7/S2
SCALE: ¾" = 1'-0"



SECTION 8/S2
SCALE: ¾" = 1'-0"



STAMP
COMMONWEALTH OF MASSACHUSETTS
NILS A. ANDERSON No. 21813 REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ANDERSON STRUCTURAL ENGINEERING, INC.
764 PLAIN STREET, MARSHFIELD, MASSACHUSETTS 02050

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS.

TITLE:
Wing B:
Foundation Plan and Sections

Date: SEPT. 23 1998 Drawn By: T.
Scale: ⅛"=1'-0" U.N.O., Job No: 9005

SHEET:
S-2

160279
TYPOTECH

FOOTING SCHEDULE		
MARK	FOOTING SIZE	BOT. REINF.
F3.0	3'-0" x 3'-0" x 1'-0"	4 - #4 E.W.
F4.0	4'-0" x 4'-0" x 1'-0"	6 - #5 E.W.
F4.5	4'-6" x 4'-6" x 1'-1"	6 - #6 E.W.
F5.0	5'-0" x 5'-0" x 1'-3"	6 - #6 E.W.
F5.5	5'-6" x 5'-6" x 1'-4"	8 - #6 E.W.

DEPRESS SLABS TO ACCOMMODATE FLOOR FINISH - SEE ARCHITECTURAL DRAWINGS AND ALTERNATIVES

NOTES:
Y.I.F - DENOTES GENERAL CONTRACTOR TO VERIFY DIMENSIONS IN THE FIELD.
[*] - DENOTES BOTTOM OF NEW FTG. ELEVATION TO MATCH BOTTOM OF EXIST FTG. ELEVATION.

STAMP

COMMONWEALTH OF MASSACHUSETTS — NILS A. ANDERSON No. 21513 — REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANDERSON STRUCTURAL ENGINEERING, INC.
704 MAIN STREET, MARSHFIELD, MASSACHUSETTS 02050

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

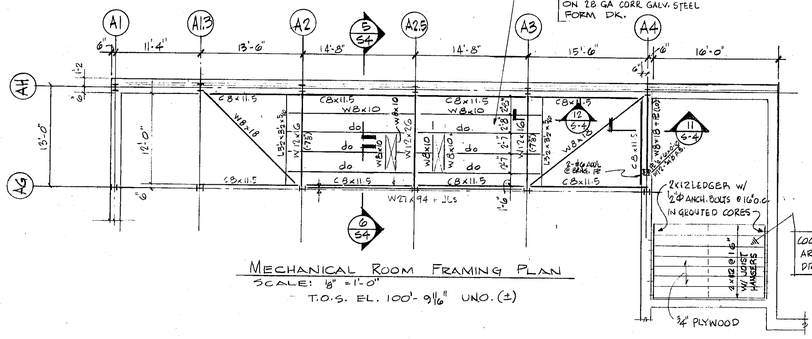
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing C:
Foundation Plan and Sections

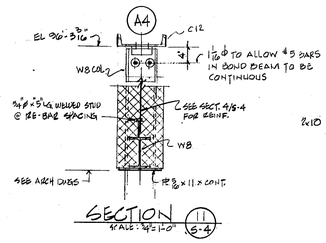
Date: SEPT. 28, 1992 Drawn By: B
Scale: 1/8"=1'-0" U.N.O. Job No: 9005

SHEET:
S-3

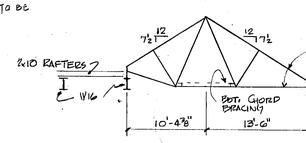
KEY PLAN



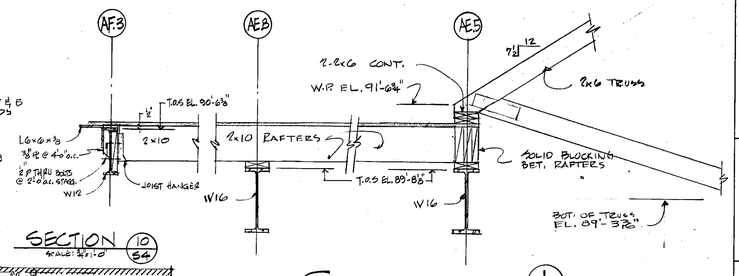
MECHANICAL ROOM FRAMING PLAN
SCALE: ⅛" = 1'-0"
T.O.S. EL. 100'-9 1/16" UNO. (±)



SECTION 11/S-4
SCALE: 1½" = 1'-0"

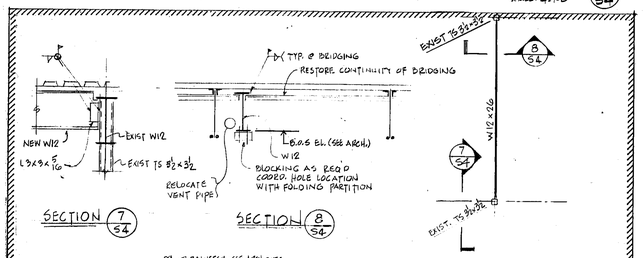


TRUSS T3
SCALE: ⅛" = 1'-0"



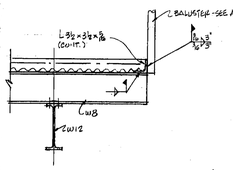
SECTION 10/S4
SCALE: ¾" = 1'-0"

SECTION 1/S4
SCALE: ¾" = 1'-0"

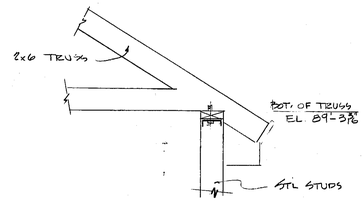


SECTION 7/S4

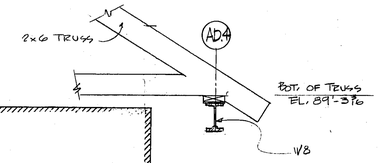
SECTION 8/S4



SECTION 12/S-4
SCALE: ¾" = 1'-0"



SECTION 2/S4
SCALE: ¾" = 1'-0"



SECTION 3/S4
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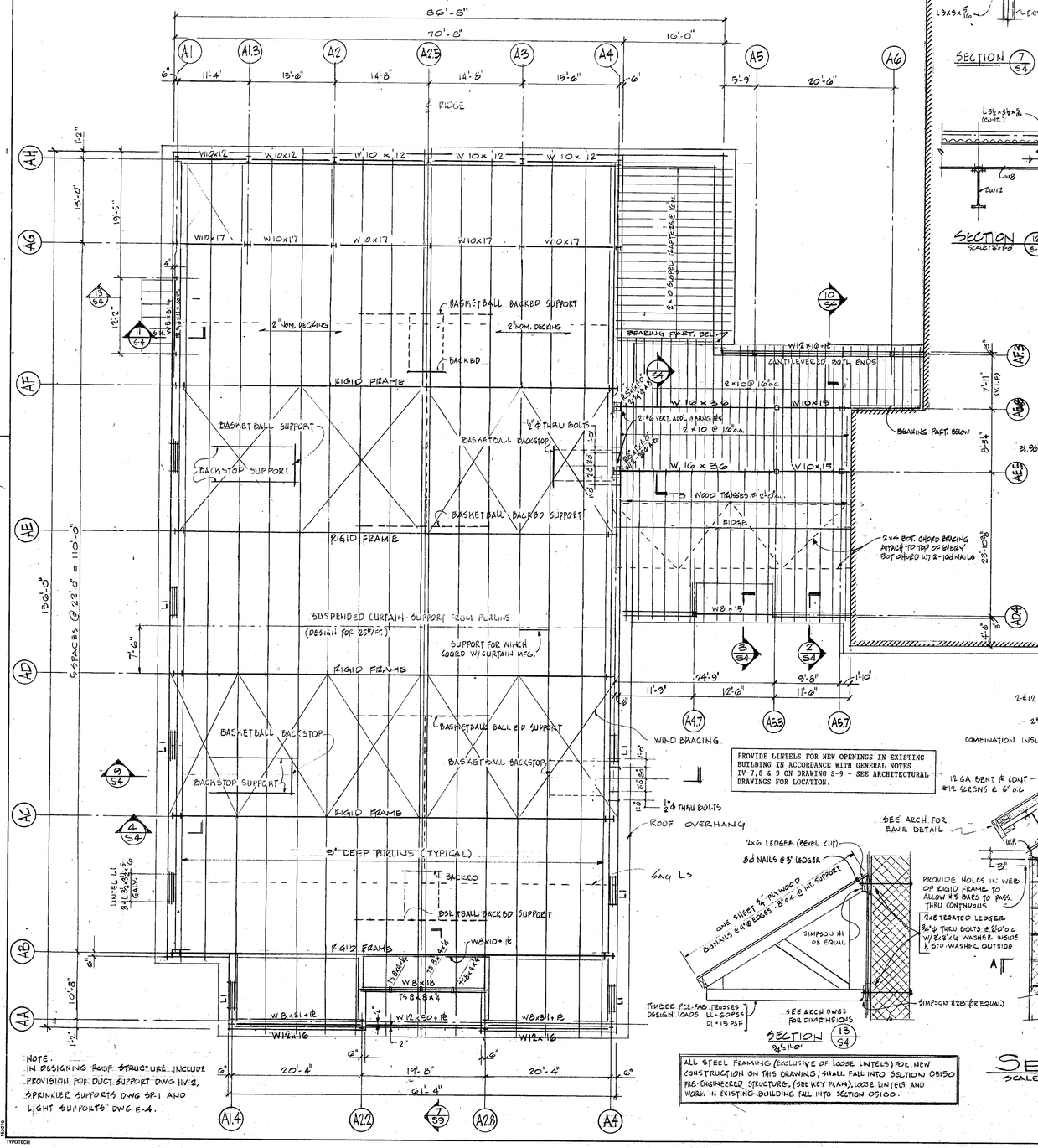


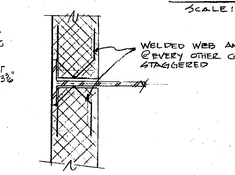
PROVIDE LINTELS FOR NEW OPENINGS IN EXISTING BUILDING IN ACCORDANCE WITH GENERAL NOTES IV-7.8 & 9 ON DRAWING S-9 - SEE ARCHITECTURAL DRAWINGS FOR LOCATION.

NOTE:
IN DESIGNING ROOF STRUCTURE INCLUDE PROVISION FOR DUCT SUPPORT DWG M-2, SPRINKLER SUPPORTS DWG SP-1 AND LIGHT SUPPORTS DWG E-4.

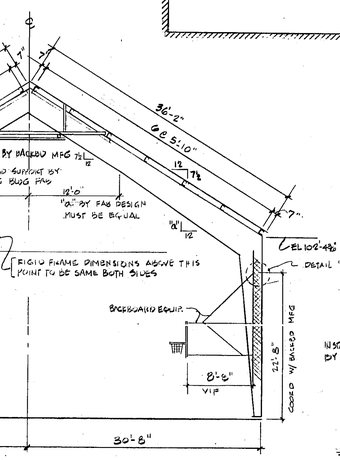
ALL STEEL FRAMING (EXCLUSIVE OF LOOSE LINTELS) FOR NEW CONSTRUCTION ON THIS DRAWING, SHALL FALL INTO SECTION 05150 PRE-ENGINEERED STRUCTURE. (SEE KEY PLAN). LOOSE LINTELS AND WORK IN EXISTING BUILDING FALL INTO SECTION 05100.

SECTION 13/S4

SECTION 4/S4
SCALE: ¾" = 1'-0"

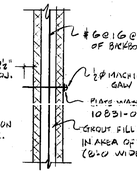


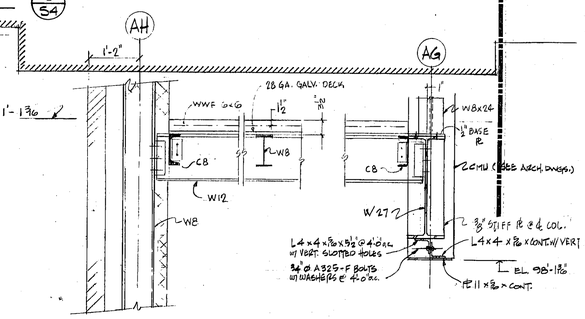
SECTION A-A
SCALE: ¾" = 1'-0



SECTION 9/S4
SCALE: ¾" = 1'-0"

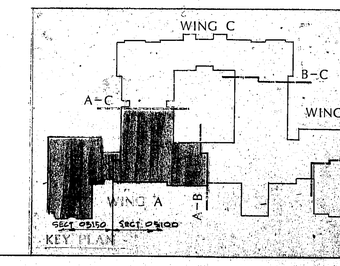
DETAIL "A"
SCALE: 1½" = 1'-0"





SECTION 5/S4
SCALE: ¾" = 1'-0"

SECTION 6/S4
SCALE: ¾" = 1'-0"



KEY PLAN

STAMP

COMMONWEALTH OF MASSACHUSETTS
NILS A. ANDERSON
No. 21613
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
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ANDERSON STRUCTURAL ENGINEERING, INC.
764 PLAIN STREET, MARSHFIELD, MASSACHUSETTS 02050

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing A:
Roof Framing Plan and Sections

Date: SEPT 25 1992 Drawn By: G
Scale: ⅛"=1'-0" UNO Job No: 9005

SHEET:

S-4

TYPOTECH

REMOVE EXISTING ANCHOR BOLTS @ BUT OF BEARING PL
WELD EXIST BEARING PL TO NEW W12
REMOVE EXIST C TIES
EXIST 14" JOISTS
PROVIDE BEAM POCKETS IN EXIST WALL
EXIST 8" C.M.U. BEARING WALL (REMOVED) (SEE DEMO DWGS.)

CUT & GRIND EXIST. SWF BEAM FLUSH TO UNDERSIDE OF FLANGE WELD TO TOP FLANGE OF NEW W10
PROVIDE SHIMMING
NEW W10 EXIST. SWF (W.I.P.)
NEW WELDED ONF PL 8 x 8" x 0'-10"
PROVIDE BRACING
2½" ø CONC. FILLED (EXIST) COL. SAW CUT & FIT NEW CAP PL @ END OF NEW W10

EXISTING TRUSSED ROOF RAFTERS
1" EXP JT.
10'-1½" A.F.F. FIELD VERIFY
FIELD VERIFY
2x10
STUD WALL (E) TO REMAIN
C8 SEE SECT 20/55
NEW PARTITION

NEW W10
L 4 x 4 x 3/8 w/ 1" TEFLON PL
C8
HORIZ. SLOTS 1½" x ⅞"
EXIST COL
SECTION 3a/55
TOP OF STEEL EL 91'-3"

NEW RAFTERS
EXIST. RAFT.
1" EXP. JT.
NEW 2 x 4 RAFT UNDER ROOF HATCH
ROOF HATCH
DOUBLE EXISTING RAFTERS UNDER RAFT.
DETAIL 20/55
SCALE: 1½"=1'-0"

FIELD SPLICE
2x6 & DOUBLE TRUSS FOR CHANNEL HANGERS
2x6 TOP CHORD
2x4 WEB MEMBERS (TYP)
WEB DIAGONAL BRACING
BOTTOM CHORD BRACING
TRUSSES @ 24" O.C.
WEB DIAGONAL BRACING
NEW FLAT ROOF SEE PLAN
EXIST BLDG
W14
14/55
2x6 OUT RIGGER
HANGERS @ PANEL POINTS
C12x20.7 @ DOUBLE TRUSS ONLY
W13
21'-0"
20'-10"

FIELD SPLICE
2x6 & DOUBLE TRUSS FOR CHANNEL HANGERS
2x6 TOP CHORD
2x4 WEB MEMBERS (TYPICAL)
WEB DIAGONAL BRACING
TRUSSES @ 24" O.C.
WEB DIAGONAL BRACING
NEW FLAT ROOF SEE PLAN
EXIST BLDG
W14
BOTTOM CHORD BRACING
2x6 BOT CHORD
C12x20.7 @ DOUBLE TRUSS ONLY
HANGERS & PANEL POINTS

SECTION 1/55
B2.6
GABLE STUD WALL
TOP OF EXIST PLATE
1" EXP JT.
FLAT ROOF T.O.S EL 91'-3"
TAB PL W/ WELDED NUTS
NEW NAILER
NEW W14 W/ SEAT CONN. @ COL.
W14 BEYOND; ON TEFLON COATED COLUMN CAP
EXIST STUD WALL TO BE REMOVED

SECTION 2/35
OUTSIDE FACE OF EXIST STUD WALL
VERIFY
10"
4"
NEW WALL ALIGNED WITH BEYOND
EXISTING BULB TEE & INSUL CONC. ROOF
10'-3½" A.F.F. VERIFY
1" EXP JT.
EXISTING STUD WALL (NON-BEARING) TO BE REMOVED

SECTION 3/55
A
2-¾"ø THRU BOLTS
VERTICAL TRUSS MEMBER
DOUBLE TRUSS
8"x4"
BOTTOM CHORD OF TRUSS
8"x4" HANGER BOTH SIDES
GUSSET PL 8"x4"x¼
C12
EL. 89'-3⅜"
A

TRUSS T1
SCALE ½"=1'-0"
END PLT 3½" @ ASYMMETRY FROM TRUSS CENTER LINE
2x6 DIAG.
2x6 CONTINUOUS
¾" PLYWOOD GUSSETS BOT CHORD OF TRUSS
TRUSS
GABLE TRUSS
2x6 LEDGER
¾"ø x 2½" LAG BOLTS QUANTITY SHOWN ON PLAN IS FOR EACH END OF MEMBER
GUSSET BOLTING DETAILS SCALE ½"=1'-0"

2x10 CONT. LEDGER JOIST HANGER
CONT. 2x10
2x10 OUTRIGGER
SEE ARCH. DWGS.
GABLE TRUSS
TRUSS T2
SECTION 16/55
SCALE: ½"=1'-0"

TRUSS T2
SCALE ½"=1'-0"
16/55
SEE ARCH. DWG FOR OPNG.
TRUSS T2 BEYOND
CONTINUOUS LEDGER - CONNECT TO EVERY STUD IN GABLE TRUSS W/ 2-10d NAILS CONNECT ENDS OF ALL TRUSS BRACING TO LEDGER
2x6 WOOD STUDS @ 16" o.c.
T2 6x (WIND BRACE)
2x6 STL STUDS @ 16" O.C.
GABLE TRUSS SCALE: ⅜"=1'-0"

SECTION 4/55
BC
2x10 @ 16"
EL 93'-4"
2"
2x12 @ 16"
TOS EL 91'-8½"
2-2x6
2x6 @ 16"
W14
2x10
8'-6 A.F.F.

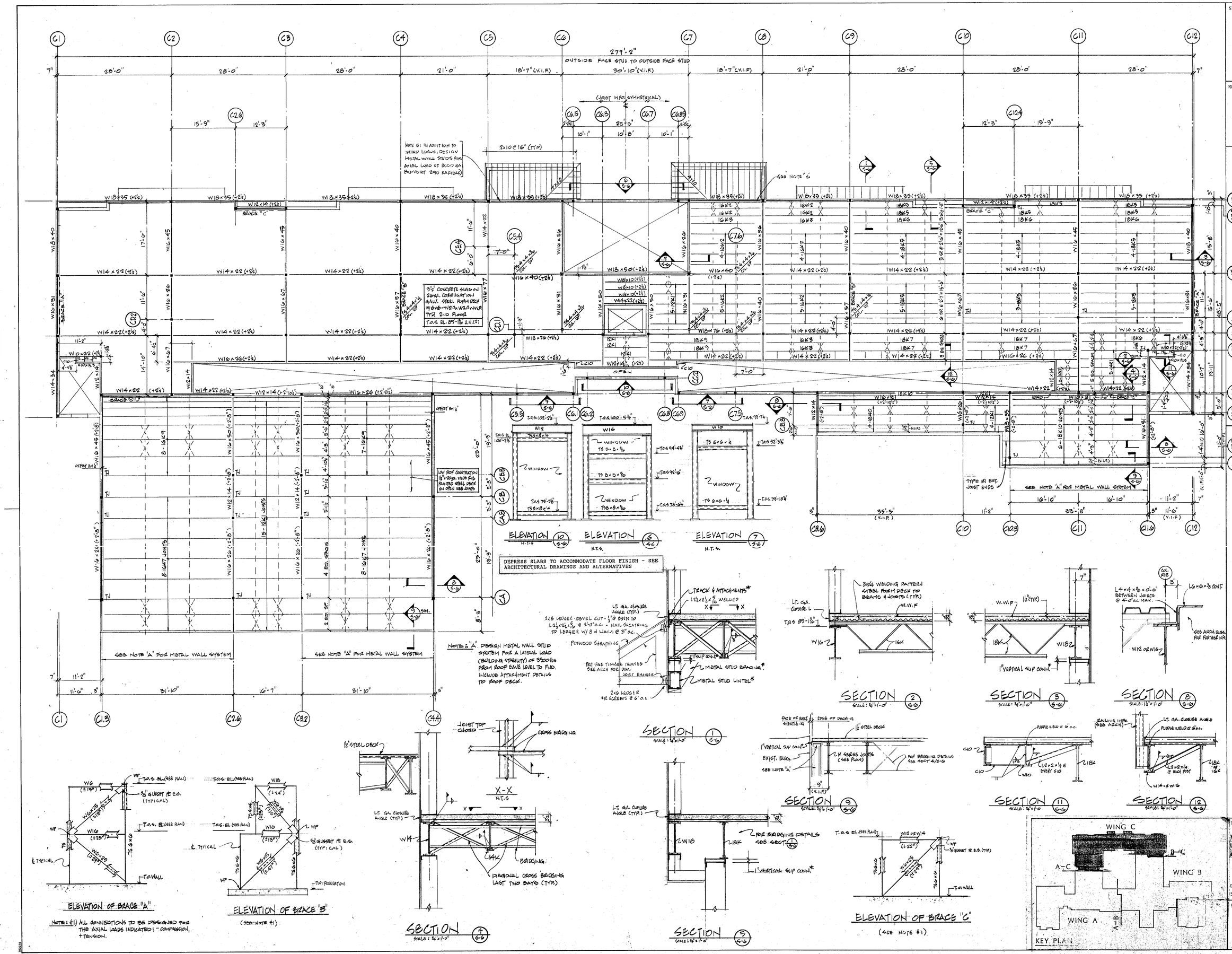
BC
EL 93'-4"
⅜" PLYWOOD SHEATHING CONT. CONNECT TO EVERY TRUSS W/ 10d NAILS @ 6" O.C AND CONNECT ENDS TO LEDGER ON GABLE TRUSS
TOS EL 90'-4⅛"
W14
2x10
L6x3½x⅝x0'-6
EXTENDED 12C SEE ARCH PLAN FOR LOC.
8'-2½"
EDGE OF 2x STUD PAST
EL. 89'-3⅜"

SECTION 5/35

SECTION 14/55
2x10
2x10 @ 24" o.c. P.T.
2x6 @ 16" o.c.
COLLAR TIES @ EAVE
STEEL STUDS
½"ø THRU BOLTS @ 2'-0" (STAGGERED)
2x12 @ 16"
STD. JOIST HANGER
W12

SECTION 15/55
CONN FOR C12
2x6 BOT. CHORD BRACING
W12x50
EXIST EAVING
EXIST BEARING WALL REMOVED (COORDINATE M.O. W/ DEMO DWGS.)
EXIST 14" STEEL JOISTS
EXIST STUD WALL TO BE REMOVED
EXIST BEARING WALL
2-2x12 @ 16" O.C. JOISTS @ AC UNIT. PROVIDE ¾" SHEATHING OVER ENTIRE FLOOR
W10x45
EXIST PIPE COL TO REMAIN (2)
EXIST PIPE COL TO REMAIN
REMOVE EXIST PIPE COL & BWF BEAMS
EXIST BEARING WALL TO REMAIN
T & G C.J. IN EXIST. WALL
EXIST TRUSSED RAFTERS (WOOD)

SECTION A-A 82.1
B2.8 B3 B3.7 B4 B4.8 B5.8 B7.2 B8 B8.5 B9.2 B10
18'-0" 13'-8" 14'-0" 7'-6" 14'-0" 26'-6" 14'-0" 7'-6" 14'-0" 13'-2" 4"
W8x21
SEE OTHER GABLE FOR TRUSS LAYOUT
CONT.
4x10 P.T. BEAM
W18x
2x10 P.T. RAFTERS @ 24" O.C.
2x4 DIAGONAL WEB BRACING @ 24" o.c. CONNECT TO FOUR TRUSSES MIN. W/3-16d NAILS @ EACH MEMBER.
RIDGE LINE
DOUBLE TRUSS @ FOLDING PART
T1 TRUSSES @ 2'-0" o.c.
T2 TRUSSES @ 2'-0" o.c.
B2.2 B3 B4 B5 B6 B7 B8 B9
18'-3" 18'-7" 16'-7" 16'-11" 17-10½" 17'-3½" 18'-3½"
W14x22 W14x30 W14x22 W14x22 W14x22 W14x22 W14x22
2x10 @ 16" o.c.
W14x30
W14x22
W12x19
W10x45
W10x12 W10x15
W10x30 (LO)
CONTINUOUS BRIDGING
ALL INFILL TO BE 2x10 @ 16" o.c.
B6.2 B7.3
2x10 @ 16" o.c.
2x4 @ 16 INFIL FOR SHEATHING
TOP OF PLATE EL 89'-8⅜"
SHEATHING
BOLT C12 TO 2x6 PLATE & RUNNER TWD. W/ L2½x2½x¼ HANGERS & 2-¾"ø THRU BOLTS
6" BEARING
10"
8'-1" A.F.F.
DOUBLE TRUSS
L2½x2½
TOP OF 4x NAILER
TRUSSES
C12
¼" COMP PLATE (B.S.) @ C12 W/ 2-¾"ø THRU BOLTS
¾" PLYWOOD SHEATHING CONTINUOUS CONNECT TO EVERY TRUSS W/ 4-10d NAILS
8"x6" CONTINUOUS 3-16d @ EVERY TRUSS
TOP OF PLATE EL 89'-8⅜"
EL. 89'-6⅛"
CONNECT C TO W3
3'-4"
3'-3⅝"
C12 BEYOND @ FOLDING PARTITION
V10x30
18'-10"
21'-8"
3'-9"
30'-0" P.V.
2'-4"
1" P.V.
3"
2'-4"
2'-0"
2'-0"
2'-0



STAMP

REVISIONS:

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ANDERSON STRUCTURAL ENGINEERING, INC.
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ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing C:
Upper Level Framing Plan and Sections

Date: SEPT. 23 1992 Drawn By:
Scale: ⅛"=1'-0" U.N.O. Job No: 9005

SHEET:
S-6

C1 C2 C3 C4 C5A C6 C7 C7B C9 C10 C11 C12

279'-2" OUTSIDE FACE STUD TO OUTSIDE FACE OF STUD

7" 28'-0" 28'-0" 28'-0" 28'-0" 11'-7" 30'-10" 11'-7" 28'-0" 28'-0" 28'-0" 28'-0" 7"

(SYMMETRICAL)

IN ADDITION TO WIND LOADS DESIGN METAL WALL STUDS FOR UNIFORM AXIAL LOAD OF 490 lb/ft TYP. OF ALL EXTERIOR WALLS

SEE NOTE C FOR METAL WALL STUDS

SEE NOTE B FOR METAL WALL STUDS

SEE NOTE B FOR METAL WALL STUDS

SEE NOTE C FOR METAL WALL STUDS

SEE NOTE E FOR METAL STUDS - TYP

SEE NOTE C FOR METAL WALL STUDS

SEE NOTE "D" FOR METAL WALL STUDS

SEE NOTE D FOR METAL WALL STUDS

SEE NOTE C FOR METAL WALL STUDS

LOW ROOF (SEE SECOND FL FRAMING)

W16x26 W18x46 W18x50 W18x40 W18x35 W12x14 W12x14 W10x12 W10x12

2x10 @ 12" O.C. 2x10 @ 16" O.C. 2x12 RIDGE BOARD

121 PGB 2x8 TIES @ 16" o.c.

BRACE A BRACE B

JL4x4x¼ JL3½x3½x5/16 JL3½x3½x¼ JL3x3x¼

W16x31 (107-24')

2-2x10 2-2x12 2-1½x11⅞ M.L. 2-1¾x14 M.L. 2-1¾x18 M.L. 2-1¾x24 M.L. 3-1¾x11⅞ M.L. 2-1¾x11⅞ M.L.

12-2x12 5-1¾x18 M.L. 12-1¾x11⅞ M.L. FLUSH FRAME 2-2x10 2-2x8

2-2x4 @ 16" O.C. 2-2x4 @ 12" O.C.

4'-0" 15'-6" 13'-9" 10'-10" 17'-6" 48'-5" 14'-10" 5'-0"

C35 C2.1 C2.2 C6.8 C6.9 C7.5

15'-10" 3'-4½" 19'-0" 3'-4½" 13'-10"

ROOF FRAMING PLAN WING C

3/8" = 1'-0"

TOP OF STEEL EL. 101' (UNLESS NOTED OTHERWISE)

IN THIS PORTION ROOF PLYWOOD SHEATHING MUST HAVE ALL JOINTS BLOCKED W/8d NAILS @ 6" O.C. TYPICAL @ END TRUSSES

SECTION (6/S7) SCALE: 1½"=1'-0"

SECURE PLYWOOD W/ 10d @ 4"o.c. @ EDGES & 10d @ 8"o.c. INT. — BLOCK ALL PLYWOOD EDGES — CHIMNEY FRAMING SEE ARCH. DWGS — 2x BLOCKING @ EA. STUD — DOUBLE — 3/16"ø x 4" Lg LAG BOLTS @ 8" o.c. (TYP.) — DOUBLE RAFTERS UNDER CHIMNEY WALLS TYP.

SEE SECT (2/S7) FOR ADD'L INFO — 3-1¾x11⅞ M.L. — TOP R's (CONT) — 6x6 POST — 2x4 HORIZ BRACE (CONT) (SECURE TO STUD W/ 2-10d NAILS)

SECTION (4/S7) SCALE: ½"=1'-0"

SEE SECT (2/S7) FOR ADD'L INFO — 2-1¾x11⅞ M.L. — SIMPSON EPC44 — 4x4 POST W/B TO M.L. (TYP) — 2x4 HORIZ BRACE (CONT) SECURE TO POST W/ 2-10d NAILS

SECTION (5/S7) SCALE: ½"=1'-0"

2x12 RIDGE BOARD — 2x10 @ 16" O.C. — 2x8 @ 16" — 6-10d NAILS (X-B F.S. O-B N.S.) — 2x10 @ 16" O.C. — 2x8 TIES @ 16" o.c. — 2x4 DIAGONAL BRACE @ 20'-0" INTERVALS 2-10d NAILS EACH JOIST (TYP) — ½" PLYWOOD — 2x4 DIAGONAL BRACE @ 20'-0" o.c. — 2x4 HORIZ BRACE (CONT) — NOTE: ATTIC LIVE LOAD 20 PSF — SECURE PLY. W/ 8d @ 6" o.c. @ EDGES & 8d @ 10" o.c. @ INTERMEDIATE JOISTS — 4-10d - TYPICAL — 2x8 @ 16" — 2x10 CEILING JOISTS @ 16" o.c. — A — A — W18 — EL. 101' — JL4x4 — W18 — FIN. CEILING (SEE ARCH. DWGS.)

SECTION (2/S7) SCALE: ½"=1'-0"

Note: DOUBLE CEILING JOISTS UNDER MECH. EQUIPMENT SEE ARCH. & MECH. DWGS FOR SIZES & LOCATIONS.

SIMPSON H9 ANCHOR EACH SIDE — 2x6 PLATE — TRACK — #14 SCREW @ 1'-0 o.c.

2x12 RIDGE BOARD — 2x10 @ 16" — 2x8 @ 16" — SEE SECT (2/S7) FOR NAILING — T.O.S EL. 107-2¼ — W16 — 2-TS 4x4 — 2-2x4 PLATE — VERT. 2x4 X-BRACE @ 20'-0" INTERVALS 2-10d NAILS EA STUD — 2x4 STUDS @ 16" o.c. — 2x10 @ 12" O.C. — ELEVATOR — SOLID BRIDGE @ MID HT. — 2x4 BRACE CONT 2-10d NAILS EA. JOIST — 2x8 @ 12" o.c. — 2x10 CEILING JOISTS @ 12" O.C. — A — A — 2x6 NAILER SECURE TO STEEL BEAMS W/ ¾" ø BOLTS @ 2'-0" o.c. STAGGERED (TYPICAL) — C12 — W18 — JL3x3

SECTION (1/S7) SCALE: ½"=1'-0"

ELEVATOR 8" CMU — GUSSET PL ⅜" — JL3x3 — ⅜" STIFF PL EA. SIDE OF A.B. — C12 — ⅝" ø ANCHOR BOLTS — 3'-0" — 2-8" CMU BOND BEAMS (CONT) 2-#5 (CONT)

SECTION (3/S7) TYPICAL 2 LOCATION

W16 OR W18 (WEO) — FLANGE NOT SHOWN FOR CLARITY — JL4x4 OR JL 3x3 — ⅝" GUSSET PL — 2-¾" ø A325 F - (TYP)

SECTION A-A N.T.S

NOTES

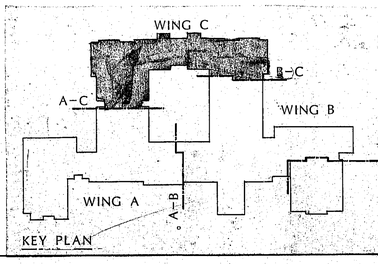
A. TYPICAL RAFTERS 2x10 @ 16" O.C., UNLESS NOTED OTHERWISE.

B. BRACE METAL WALL STUD SYSTEM FOR A HORIZONTAL LOAD (BUILDING STABILITY) OF 4500 LBS FROM ROOF EAVE LEVEL TO SECOND FLOOR.

C. DESIGN METAL WALL STUD SYSTEM FOR A HORIZONTAL LOAD (BUILDING STABILITY) OF 3000 LBS FROM ROOF EAVE LEVEL TO SECOND FLOOR.

D. DESIGN METAL WALL STUD SYSTEM FOR A HORIZONTAL LOAD (BUILDING STABILITY) OF 4500 LBS FROM ROOF EAVE LEVEL TO FOUNDATION.

E. DESIGN LINTELS AND POST (STUDS) FOR THE CONCENTRATED AND UNIFORM LOADS SHOWN ON PLAN (TYPICAL). SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND LOCATIONS.



STAMP

COMMONWEALTH OF MASSACHUSETTS — NILS A. ANDERSON No. 21818 — REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

GF GE GD GC2 GC

ANTHONY TAPPE AND ASSOCIATES, INC.
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ANDERSON STRUCTURAL ENGINEERING, INC.
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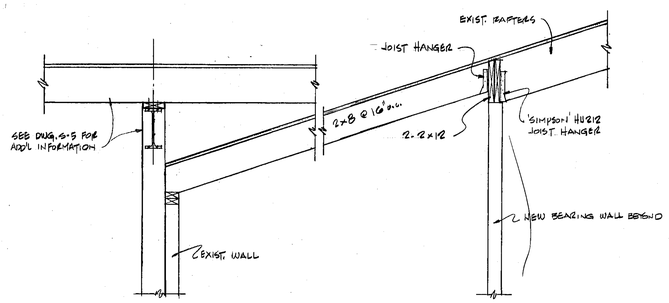
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing C:
Roof Framing Plan

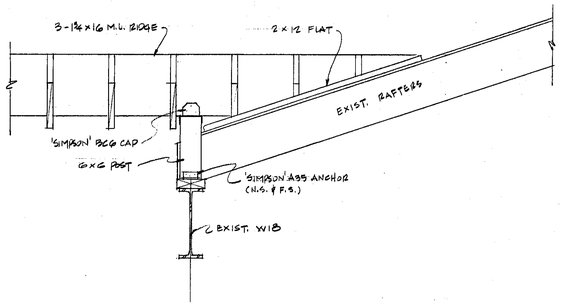
Date: SEPT. 26, 1972 Drawn By: B.
Scale: 3/8"=1'-0" Job. No: 9005

SHEET:
S-7

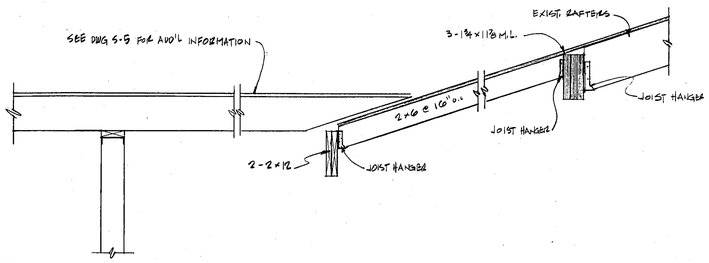
TYPOTECH



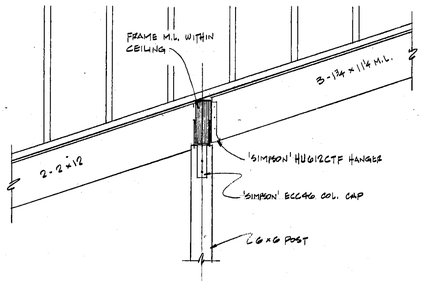
SECTION 4/S-8
SCALE: 3/8"=1'-0"



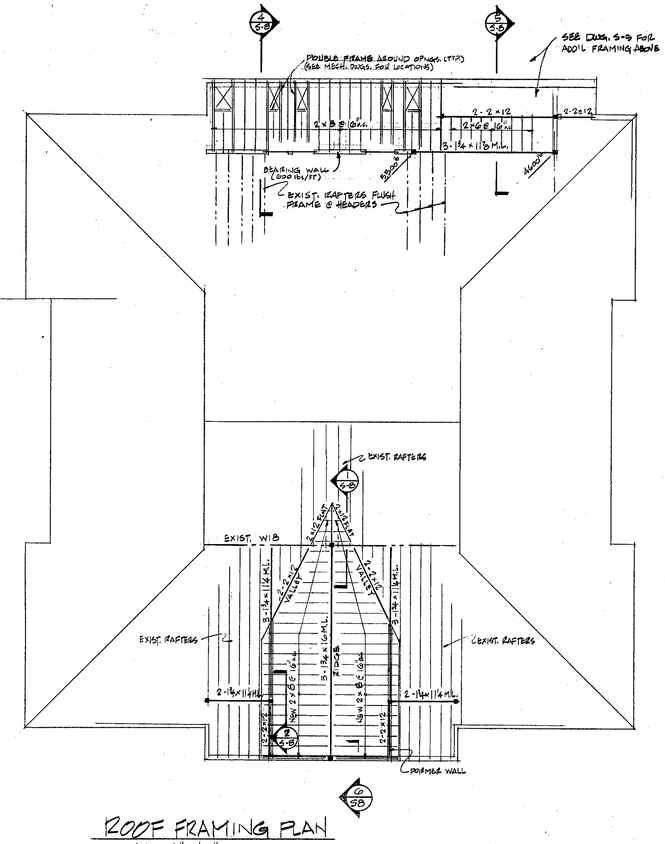
SECTION 1/S-8
SCALE: 3/8"=1'-0"



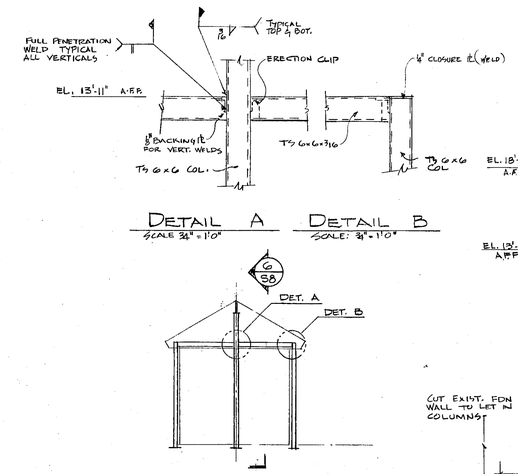
SECTION 3/S-8
SCALE: 3/8"=1'-0"



SECTION 2/S-8
SCALE: 3/8"=1'-0"



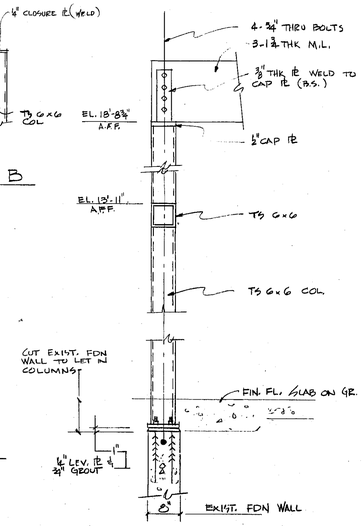
ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"



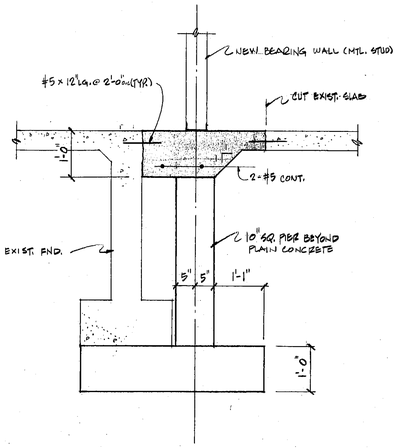
DETAIL A
SCALE: 3/4"=1'0"

DETAIL B
SCALE: 3/4"=1'0"

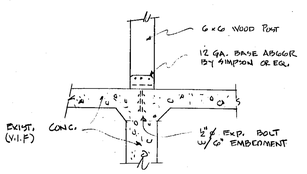
ELEVATION @ NEW DORMER
SCALE: 1/8"=1'-0"



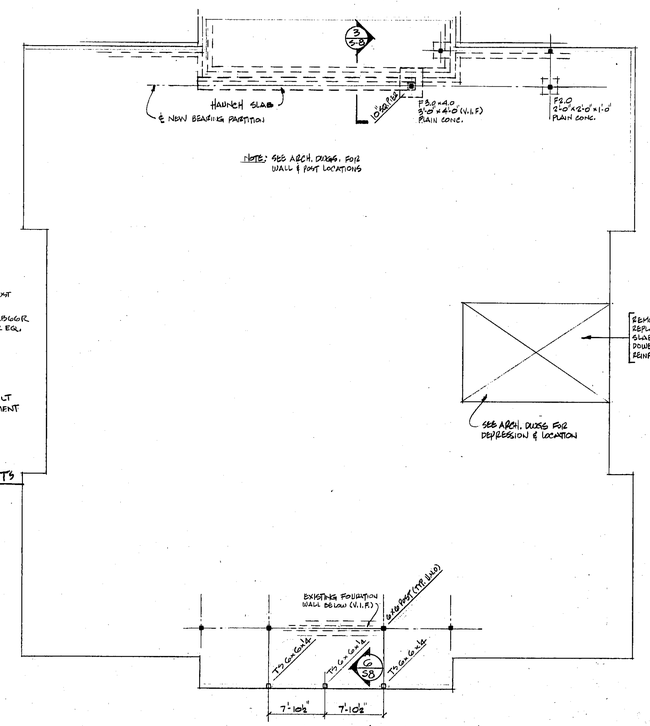
SECTION 6/S8
SCALE: 3/4"=1'-0"



SECTION 3/S-8
SCALE: 3/4"=1'-0"



ANCHORAGE FOR WOOD POSTS TYPICAL.



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

STAMP

COMMONWEALTH OF MASSACHUSETTS
NILS A. ANDERSON No. 21813 REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ANDERSON STRUCTURAL ENGINEERING, INC.
764 PLAIN STREET, MARSHFIELD, MASSACHUSETTS 02050

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

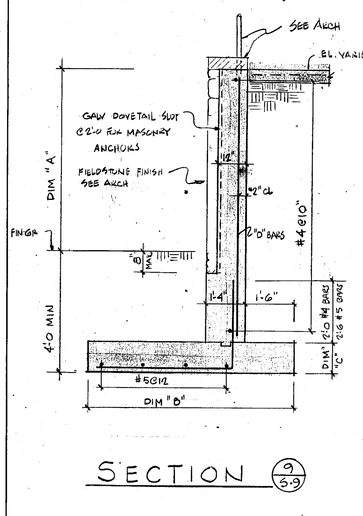
TITLE:
HOLMES LIBRARY
Foundation Plan & Roof framing Plan

Date: SEPT 25, 1992 Drawn By:
Scale: Job No:

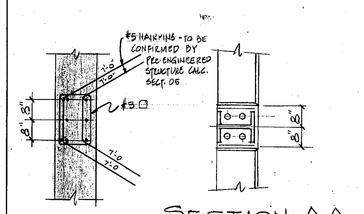
SHEET:
S-8

TYPOTECH

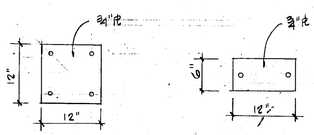
REINFORCING WALL SCHEDULE				
A	B	C	D	E
OVER 6'-0	8'-6	1'-9	#5@7"	#5@7"
3'-0 TO 6'-0	6'-8	1'-0	#4@8"	#4@8"
0'-0 TO 3'-0	4'-6	1'-0	#4@18	#4@18



SECTION (9 / S-9)

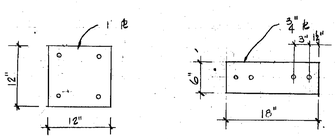


SECTION A-A



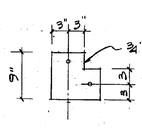
BASE PL "A"

BASE PL "B"

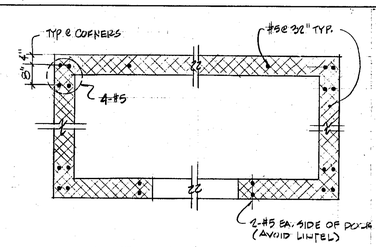


BASE PL "C" (W/ 4-1" ø A.B. x 2'-0" LG PLUS 3" HOOK)

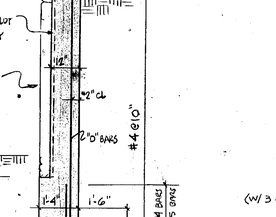
BASE PL "D"



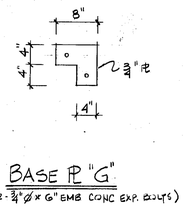
BASE PL "E"



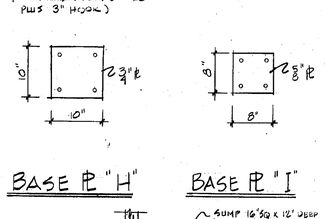
SECTION C-C



BASE PL "F" (W/ 3-1" ø A.B. x 2'-0" LG PLUS 5" HOOK)

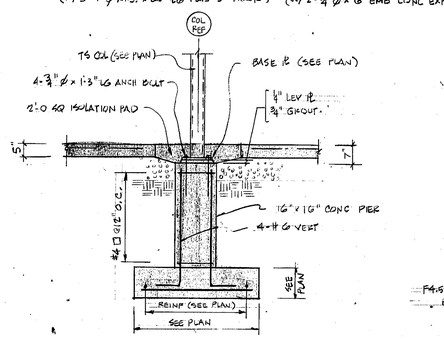


BASE PL "G" (W/ 2-3/4" ø x 6" EMB CONC EXP. BOLTS)

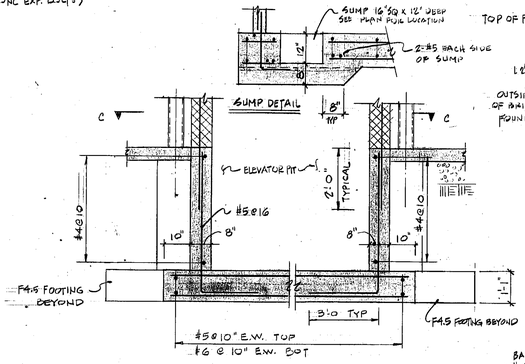


BASE PL "H"

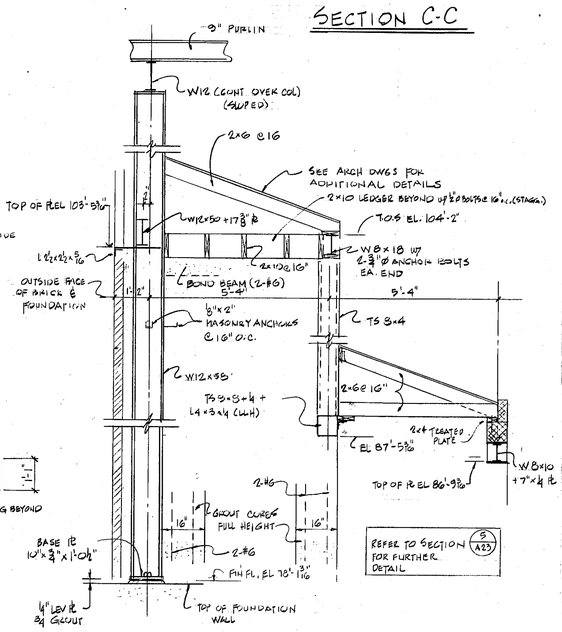
BASE PL "I"



TYPICAL INTERIOR FOOTING W/ PIER

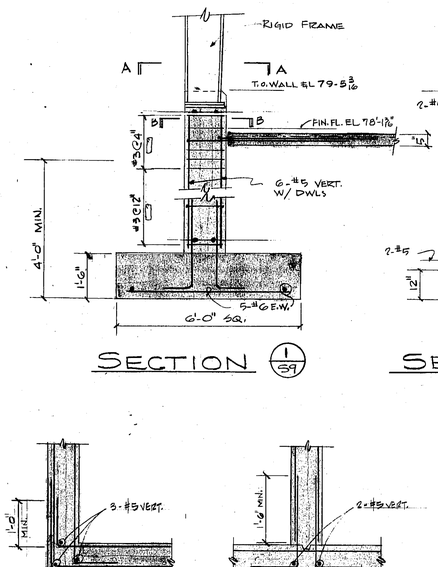


SECTION (8 / S-9)

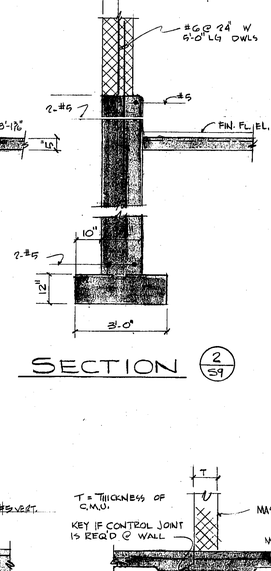


SECTION (7 / S-9)

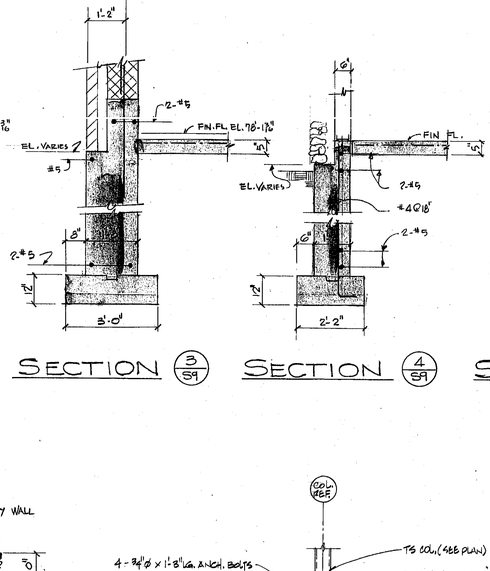
SECTION B-B



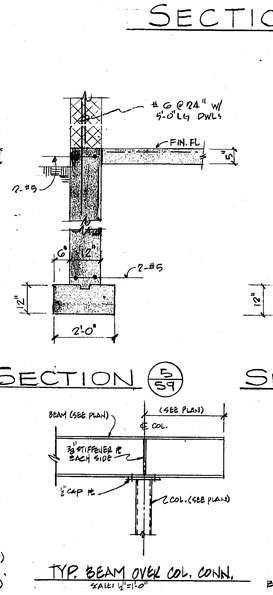
SECTION (1 / S-9)



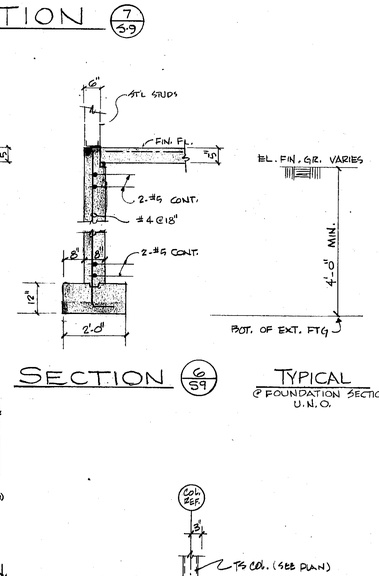
SECTION (2 / S-9)



SECTION (3 / S-9) SECTION (4 / S-9)



SECTION (5 / S-9)



SECTION (6 / S-9)

TYPICAL @ FOUNDATION SECTIONS U.N.O.

GENERAL NOTES

I. LIVE LOADS
- a. Roof ..... 30 p.s.f.
- b. Second Floor - Classrooms (part. plus 20 psf) ..... 50 p.s.f.
  Corridors, Lobbies ..... 100 p.s.f.
- c. First Floor ..... 100 p.s.f.

II. FOUNDATION NOTES
1. Footings shall be carried to elevations shown on drawings and deeper if necessary to obtain a safe bearing of 2.0 tons per square foot.
2. All excavations and foundation construction is to be in the dry and no concrete shall be placed in water.
3. No footing shall be placed on frozen soil.
4. Where it is necessary to raise the grade below slab, fill shall be placed in 12" layers compacted to 95% of ASTM D1557, Method D, Proctor Test.
5. Provide openings for water, electric and other services as required.
6. Pour concrete in level courses full height, or floor to floor with construction joints vertical.
7. Wire mesh in slabs on ground shall be lapped 8" on ends and edges.
8. Provide a minimum of 8" well compacted, clean coarse sand and gravel under all slabs after top soil has been removed. unless flush framed.

III. CONCRETE NOTES
1. All concrete work and reinforcing bar details shall conform to the latest A.C.I. Code and Manual.
2. All concrete shall have a minimum compressive strength of 3000 p.s.i. at 28 days.
3. Minimum protective cover for reinforcements unless otherwise provided for:
   - a. Concrete placed against earth, 3"
   - b. Formed concrete exposed to earth, weather or water, 2"
   - c. Floors on sand, gravel or stone fill, 1 1/2"
   - d. Formed slabs top and bottom 3/4"
4. Reinforcing steel shall conform to ASTM A615-GR60.
5. All continuous reinforcing bars shall be lapped 30 diameters at splices and at corners unless otherwise shown. Terminate continuous bars at non-continuous ends with standard hooks. Lap continuous top bars at supports as required.
6. All footing keys are to be 2" x 4" (nominal) unless otherwise shown.
7. All necessary sleeves and inserts shall be furnished by the various trades in full cooperation with the Contractor.
8. Structural drawings are to be used in conjuction with the heating and ventilating, plumbing, electrical, and architectural drawings and these drawings shall be referred to for size and location of openings, vents, pipes, inserts, boxes and hangers.
9. Provide bar supports, spacers and accessories recommended by the A.C.I. Detailing Manual. All detailing not covered by these notes shall be in accordance with this same manual.
10. Concrete bases with anchor bolts shall be provided for all mechanical equipment where required.
11. All slabs on ground shall be poured in alternate panels not to exceed 1000 square feet or as indicated on plans.

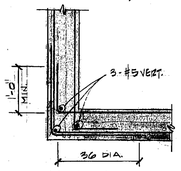
IV. STRUCTURAL STEEL NOTES
1. All structural steel shall be detailed in accordance with the latest Manual of the A.I.S.C. and American Welding Society and shall be ASTM-A36. STRUCTURAL TUBING (TS) SHALL BE ASTM A500 GRADE B.
2. Shop connections shall be welded or bolted.
3. All field connections shall be 3/4" high strength bolts.
4. Paint structural steel, one shop coat. However anchor bolts and steel enclosed in concrete shall not be painted.
5. Welding shall be done by an approved certified welder.
6. Unless otherwise noted, provide suitable bearing plates and government anchors for all wall bearing beams.
7. For openings in masonry not otherwise provided for, provide for each 4" thickness of wall:
   - One angle 3 1/2 x 3 1/2 x 5/16 for openings not over 4'-0" long.
   - One angle 4 x 3 1/2 x 5/16 for wider openings up to 7'-0" long.
   - One angle 5 x 3 1/2 x 5/16 for wider openings up to 10'-0" long.
8. See also architectural drawings for additional lintels.
9. All loose lintel angles to have a minimum of 6" bearing on either side of masonry openings or as shown on drawings.
10. Contractor shall provide all bracings and guys for structural steel during construction to insure stability of building and plumbness of columns.

V. STEEL JOIST NOTES
1. Joists shall be designed in accordance with the Steel Joist Institute and shall be fabricated by an approved manufacturer.
2. Joists shall have a minimum bearing of 4" on concrete or masonry and 2 1/2" on steel.
3. Each joist bearing on steel shall be welded or bolted thereto as per Steel Joist Institute Specifications.
4. End joists shall be anchored to wall beams or top and bottom chords with lateral anchors at ends of bridging lines.
5. Joists shall be bridged as per Steel Joist Institute Specifications.
6. Ceiling extentions shall be furnished as required.
7. Provide standard headers for openings up to 4'-0" unless otherwise noted on plan.
8. Steel deck shall be placed on roof joists and welded thereto according to the manufacturer's specifications.
9. Camber all joists as per Steel Joist Institute Specifications.
10. Roof drains, sprinkler mains etc. shall be hung from top chords of bar joists near panel points. Support details other than to this point shall be submitted to the Engineer for his approval.

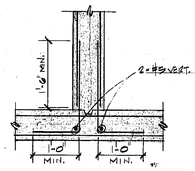
VI. SHOP DRAWINGS
1. The contractor shall submit in quadruplicate to the Engineer for his approval: schedules, shop and setting drawings, giving all necessary details for the proper fabrication and placing of reinforcing and structural steel and structural timber.
2. The approval of the the drawings will indicate only the the general method of construction and detailing is satifactory and shall not be construed as relieving the Contractor of the responsibility for errors that may occur in his drawings.
3. All shop drawings shall reflect field measured dimensions and field verified conditions. The General Contractor shall be responsible for coordination of all dimensions.

VII. EXISTING BUILDING NOTES
1. The Contractor shall verify all existing conditions at the site and report any discrepancy to the Architect before proceeding with the work.
2. The Contractor shall do all required cutting and patching to complete the work.
3. New openings in existing floors, bearing walls and structural members for the mechanical trades shall be shown on the drawings. Any new openings required for the work not shown shall be brought to the attention of the Architect. No openings shall be cut in the work without authorization from the Architect.
4. All new material shall be subject to verification of existing conditions at the site by the Contractor before material ordering and fabrication.

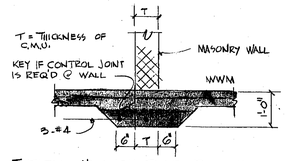
VIII TIMBER NOTES
1. Stress-grade lumber shall be in accordance with "National Design Specifications for Stress-Grade Lumber and Its Fastenings" by the National Forest Products Association (latest revision).
2. Lumber shall be No. 2 grade Hem-Fir Fb = 1150 p.s.i. (joists).
4. All joists shall be bridged with 1" x 3" double cross bridging at intervals not exceeding 8'-0".
4. Stud bearing partitions without plywood sheathing shall be bridged at intervals not exceeding 6'-0".
5. Provide standard saddles where member are flush framed.
6. Double joists under all partitions and at openings.
7. Laminated timber beams (micro-lam or equivolent) shall have a minimum allowable bending stress Fb=28000 psi and a minimum Modulus of Elasticity of 2,000,000 psi.
8. Laminated timber beams shall be protected from moisture during construction.



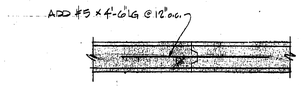
CORNER DETAIL



INTERSECTION OF WALL



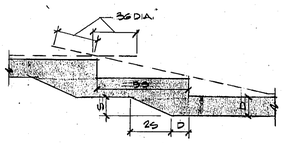
TYPICAL HAUNCH SLAB DETAIL N. T. S.



CONST. JOINT TO BE PERMITTED IN WALL AT ANY POINT 4'-0" MIN. AWAY FROM OPENINGS & CORNER CENTERLINES.

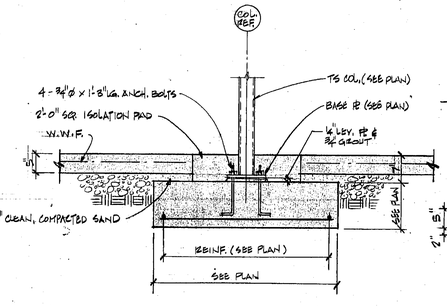
ROUGHEN CONCRETE, MOISTEN & COAT W/ THICK FRESH CEMENT PASTE BEFORE POURING NEW CONC.

CONST. JOINT IN WALL

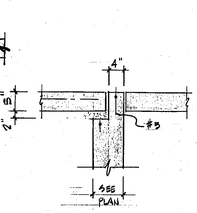


TYP. STEPPED FOOTING N.T.S

PLAN - TYPICAL WALL REINFORCING DETAILS

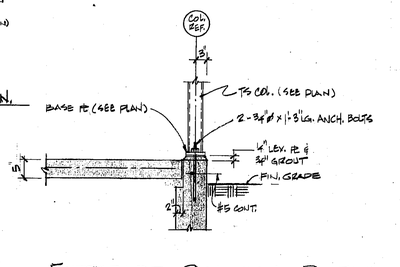


TYPICAL INTERIOR FOOTING
SCALE: 3/4" = 1'-0"



TYP. WALL @ DOORS
SCALE: 3/4" = 1'-0"

TYP. BEAM OVER COL. CONN.
SCALE: 1/2" = 1'-0"



EXTERIOR COLUMN DETAIL

STAMP

COMMONWEALTH OF MASSACHUSETTS — NILS A. ANDERSON No. 21813 — REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

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ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
HOLMES LIBRARY
Structural Sections / Details & General Notes

Date: SEPT 20, 1990 Drawn By: GT
Scale: 3/4"=1'-0" Job No: 9005

SHEET:

S-9

TYPOTECH

NOTE

EXISTING BUILDING, ELECTRIC HV EQUIPMENT, EXHAUST FANS & CONTROLS SHALL BE REMOVED BY THE GENERAL CONTRACTOR

DEMOLITION NOTES

1. ALL MECHANICAL DEMOLITION SHALL BE PERFORMED BY A MECHANICAL CONTRACTOR.
2. ALL EXISTING HOT WATER SUPPLY/RETURN PIPING NOT SHOWN ON THIS DRAWING SHALL REMAIN.

LEGEND

E.T.R. - INDICATES EXISTING MECH. EQUIPMENT TO REMAIN.

1. REMOVE EXISTING WALL FINNED TUBE RADIATION, COVER, VALVES AND PIPING AS INDICATED.
2. REMOVE EXISTING HOT WATER SUPPLY/RETURN PIPING AS INDICATED.
3. EXISTING HOT WATER SUPPLY/RETURN PIPING TO REMAIN.
4. REMOVE EXISTING THERMOSTAT AND RELATED CONTROL AIR TUBING OR WIRING.
5. REMOVE EXISTING CABINET UNIT HEATER, VALVES, PIPING, DUCTWORK, GRILLES AND CONTROLS.
6. REMOVE EXISTING DUCTWORK AND REGISTERS AS INDICATED.
7. CAP AIR TIGHT THE EXISTING DUCT THAT IS TO REMAIN.
8. EXISTING UNIT VENTILATOR AND ALL RELATED VALVES LOCATED IN FAN ROOM ABOVE VESTIBULE ARE TO BE REPLACED. PIPING AND DUCTWORK SHALL REMAIN. REFER TO DWG. H-3.
9. EXISTING CLASSROOM UNIT VENTILATOR AND ALL RELATED VALVES TO BE REMOVED. REFER TO DWG. HV-2 & HV-3.
10. EXISTING TOILET EXHAUST DUCTWORK AND EXHAUST REGISTERS IN PIPE SPACE TO BE REMOVED AND REVISED. REFER TO DWG. HV-2 & HV-3.
11. REMOVE EXISTING UNIT VENTILATOR, SUPPLY/F.A. DUCTWORK AND PIPING AS INDICATED.
12. REMOVE EXISTING HOODS.
13. REMOVE EXISTING ELECTRIC UNIT HEATER AND CONTROLS.
14. EXISTING UNIT VENTILATOR AND ALL RELATED VALVES ARE TO BE REPLACED. FRESH AIR DUCTWORK IS TO REMAIN. REFER TO DWG. HV-2.
15. EXISTING EXHAUST REGISTER AND DUCT RISER TO BE RELOCATED TO 8'-0" ABOVE FLOOR. REFER TO DWG. HV-2.
16. EXISTING FRESH AIR INTAKE LOUVER AND SHEETMETAL COLLAR TO REMAIN.
17. EXISTING THERMOSTATS TO BE REPLACED WITH NEW THERMOSTATS.
18. EXISTING EXHAUST GRILLES AND DUCTWORK TO REMAIN.
19. REMOVE EXISTING F.A. SHEETMETAL COLLAR AND BLANK WATERTIGHT, FROM INSIDE. EXISTING LOUVER TO REMAIN.
20. REMOVE EXISTING 1-1/4" S/R PIPING AND RISERS IN THIS AREA. REFER TO DWG. H-3 FOR REVISION.
21. EXISTING UNDERGROUND PIPING TO BE REMOVED FROM TRENCH.
22. # EXISTING FAN NUMBER. EXISTING ROOF EXHAUST FAN TO BE REPLACED. REFER TO DWG. HV-2 & HV-3.
23. REMOVE EXISTING SHEETMETAL BOX AND ROUND AIR INTAKE DUCT.
24. EXISTING 10,000 GALLON UNDERGROUND STEEL FUEL OIL STORAGE TANK TO BE REMOVED. REFER TO DWG. HV-3.
25. EXISTING CLASSROOM UNIT VENTILATOR AND RELATED PIPING TO BE REMOVED. INSTALL NEW 1-1/4" S/R MAINS TO FILL GAP.
26. VENT TO BE REMOVED.
27. TERMINATION POINT OF F.O. AND VENT PIPING REMOVAL.
28. REMOVE ALL EXISTING HOOD EXHAUST DUCTWORK AND F.A. DUCTWORK IN ATTIC ABOVE EXISTING KITCHEN. REFER TO DWG. HV-3 FOR NEW DUCTWORK.
29. REMOVE EXISTING EXH. REG., DUCTWORK AND ROOF EXH. FAN NO. 4 - CAP EXISTING ROOF CURB WATERTIGHT.
30. REMOVE EXISTING HOT WATER S/R PIPING TO EXISTING F.O. STORAGE TANK AND ALL F.O. PIPING.

CLASSROOM
CORRIDOR
GIRLS RM.
BOYS RM.
JAN.
STORAGE
OFFICE
PRINC.
WORK RM.
GIRLS T.
BOYS T.
WOM. T.
VEST.
PRINCIPAL
WAIT.
KITCHEN
PLATFORM
UNDER PLATFORM
MUSIC RM.
M.T.
STOR.
CAFETERIA
BOILER ROOM BELOW
E.T.R.
1¼" S&R E.T.R.
1½" E.T.R.
HWR HWS
REFER DWG. HV-2 FOR REVISION
TO ECEC BLDG. REFER TO DRWG. H-7 2" HOT WTR. SUP. & RET.
5" TANK VENT
F.O. PIPING TO BOILER RM.
EXISTING CONCRETE PAD TO BE REMOVED BY G.C. (SEE ARCHITECTUAL DEMO PLANS)
EXIST. WALL TO MECH. RM. TO BE REMOVED BY G.C. TO FACILITATE EXIST. HV UNIT REPLACEMENT
F.A. LOUVER ABV. E.T.R.

NOTE

FOR REVISIONS IN BOILER ROOM - REFER TO LARGE SCALE PLAN ON DRWG. H-6

BOILER ROOM PLAN

SITE PLAN

ELEMENTARY SCHOOL
ECEC
PARKING
PLYMOUTH STREET

STAMP

COMMONWEALTH OF MASSACHUSETTS
EDWARD L. STEINMETZ
NO. 19647
REGISTERED ARCHITECT

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

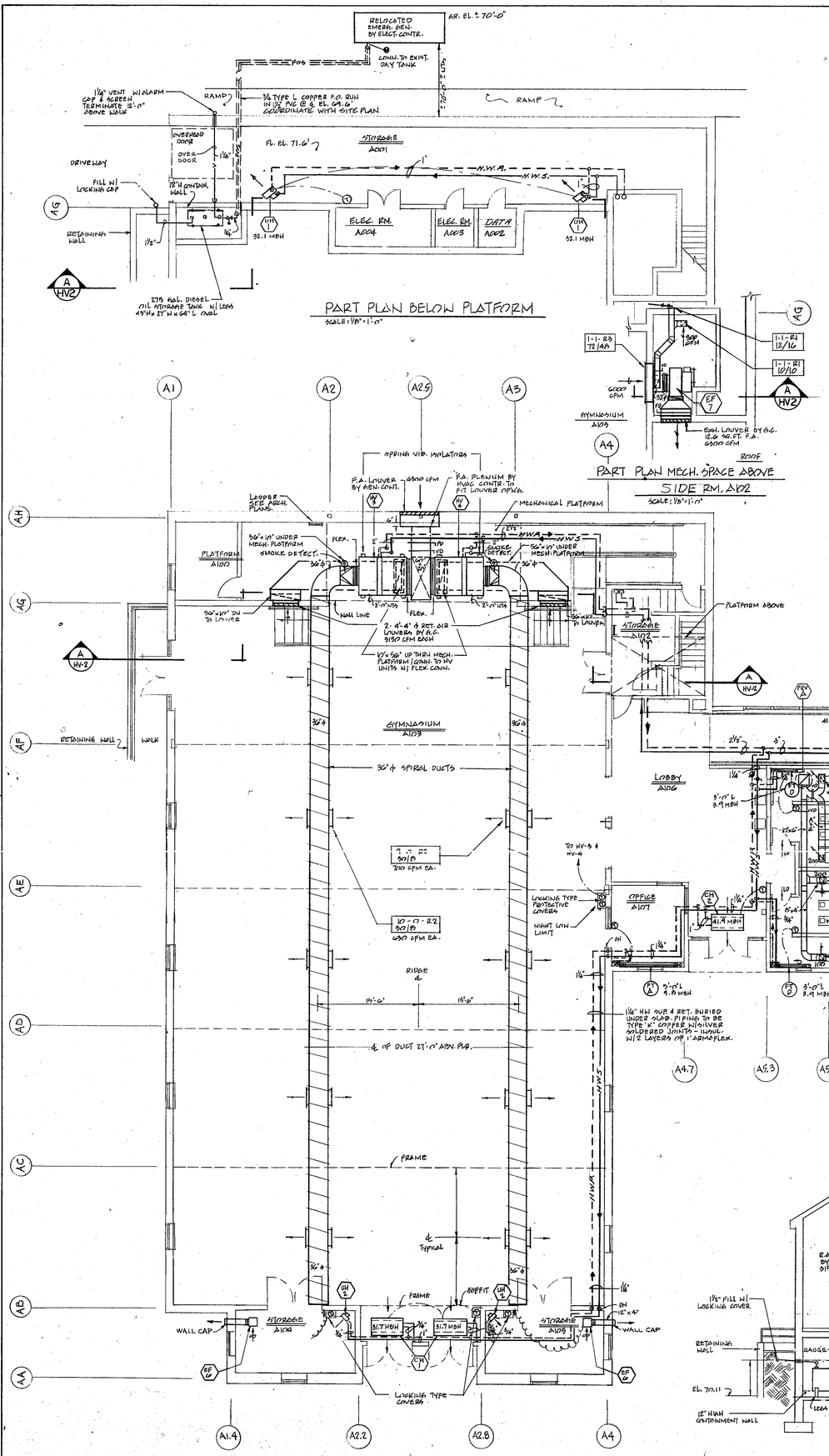
TITLE:
Existing School Building
Heating & Ventilation
Demolition Plan

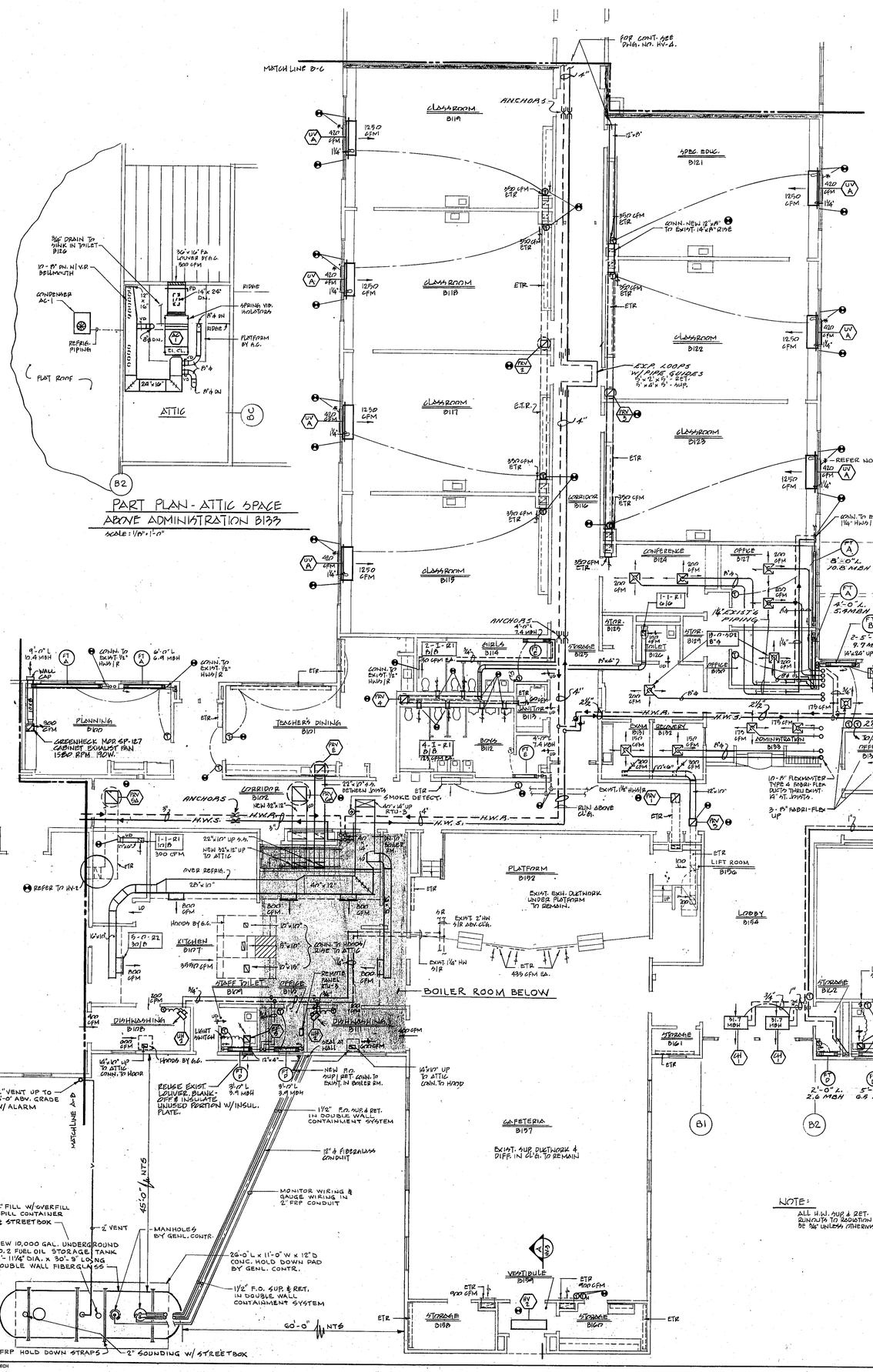
Date: SEPT. 25 1998 Drawn By: JB
Scale: 1/8"=1'-0" Job No: 9008/9104

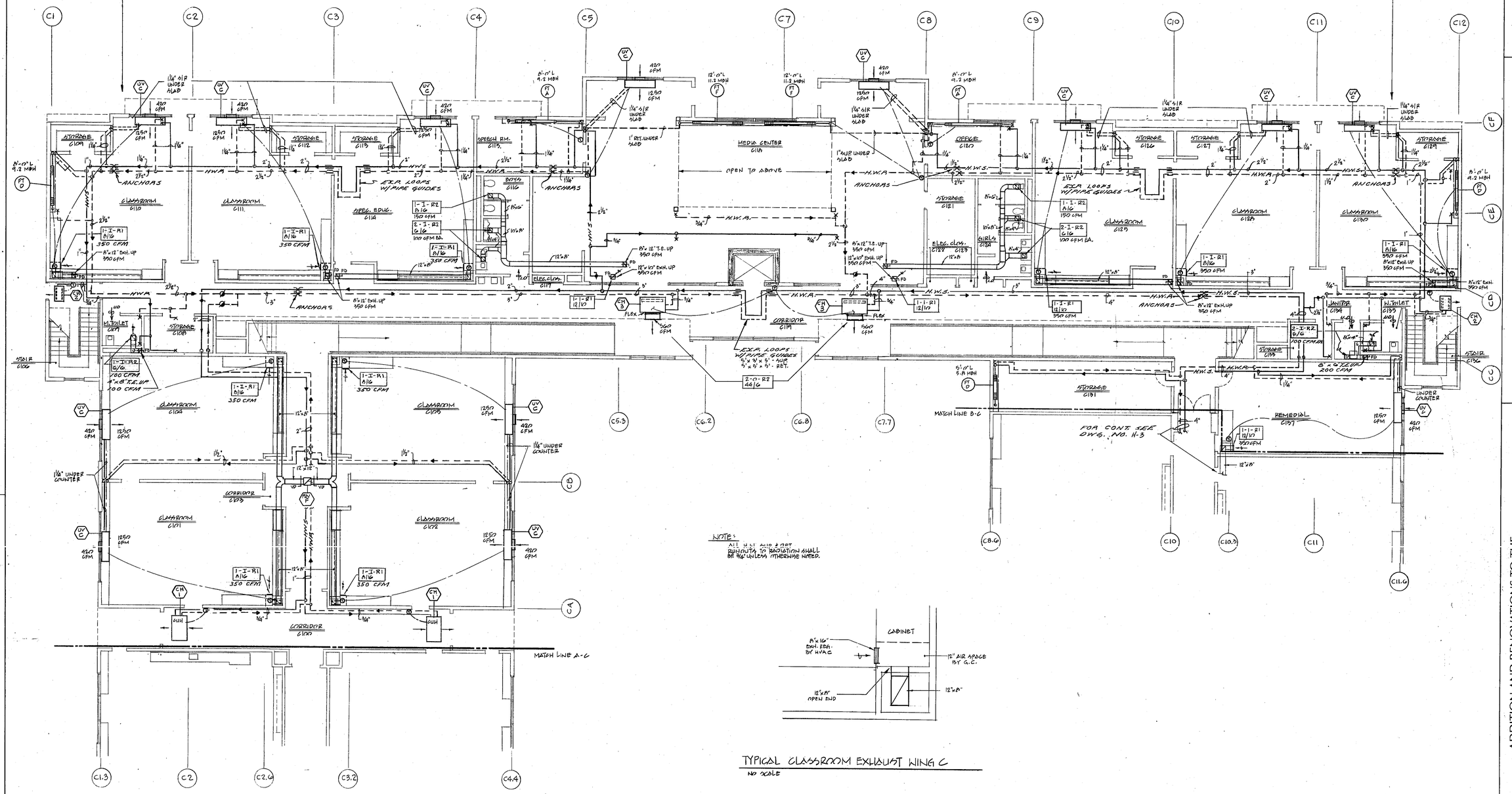
SHEET:

HV-1

TYPOTECH


RELOCATED EMERG. GEN. BY ELECT. CONTR.
AR. EL. ± 70'-0"
CONN. TO EXIST. DAY TANK
1¼" VENT W/ ALARM CAP & SCREEN TERMINATE 12'-0" ABOVE WALK
RAMP
¾" TYPE L COPPER P.O. RUN IN 1½" PVC @ EL. 69.6' COORDINATE WITH SITE PLAN
RAMP
OVERHEAD DOOR
OVER DOOR
DRIVEWAY
FILL W/ LOCKING CAP
12"H CONTAIN. WALL
Fl. El. 71.6'
STORAGE A001
H.W.R.
H.W.S.
ELEC. RM. A004
ELEC. RM. A003
DATA A002
RETAINING WALL
UH 1
32.1 MBH
UH 1
32.1 MBH
A HV2
279 GAL. DIESEL OIL STORAGE TANK W/ LEGS 45"Hx 87"H x 64"L OVAL
PART PLAN BELOW PLATFORM
SCALE: 1/8"=1'-0"
1-1-R3 72/4A
1-1-R1 12/16
1-1-R1 10/10
1G
EF 7
600 CFM
600 CFM
GYMNASIUM A103
A4
ROOF
EXH. LOUVER BY G.C. 12.0 SQ. FT. F.A. 6300 CFM
PART PLAN MECH. SPACE ABOVE SIDE RM. A102
SCALE: 1/8"=1'-0"
A1
A2
A2.5
A3
SPRING VIB. INSULATORS
F.A. LOUVER BY MECH. CONTR.
6300 CFM
F.A. PLENUM BY HVAC CONTR. TO FIT LOUVER OPNG.
MECHANICAL PLATFORM
LOUVER SEE MECH. PLANS.
HV 3
HV 4
PLATFORM A107
56"x 10" UNDER MECH. PLATFORM
SMOKE DETECT.
36"Ø
FLEX.
2'-0"
2'-0"
2'-0"
2'-0"
HWR
HWS
56"x 10" UP TO LOUVER
56"x 10" UNDER MECH. PLATFORM
2'-0"
2'-0"
WALL LINE
FLEX.
2 - 4'-0" Ø SPT. AIR LOUVERS BY G.C. 9150 CFM EACH
10'x 56" UP THRU MECH. PLATFORM / CONN. TO HV UNITS W/ FLEX. CONN.
STORAGE A102
PLATFORM ABOVE
A HV2
HV A
11A VBH
ANCHORS
HWR
HWS
LOBBY A106
5'-0" L 3.9 MBH
RELOCATE
BOX A108
1-1-R1 8/8 100 CFM
MUSIC ROOM A110
2-1-R1 10/8 200 CFM EA.
4 GIRLS A109
1-1-R1 8/8 100 CFM
STORAGE A111
(10) 6"ø DN. CONN. TO GRD. WITH W/ VOL. DAMPER.
ART ROOM A113
1200 CFM EA. CAP.
1½" G/R
EXIST. CLG
EXIST. 18"x8"
EXIST. 18"x8"
EXIST. 12"x8"
20"x 8"
20"x 8"
12"x 8"
10"x 8"
RELOCATE
RELOCATE
EXIST. 1¼" HWS/R
ENCLOSE 1¼" ONLY
CONN. EXIST. 1¼" HWR/R
1250 CFM
1250 CFM
1250 CFM
420 CFM
420 CFM
420 CFM
UV B
UV B
UV B
ETR
ETR
ETR


MATCH LINE B-C
CLASSROOM B119
CLASSROOM B118
CLASSROOM B117
CLASSROOM B122
CLASSROOM B123
CORRIDOR B116
CONFERENCE B124
OFFICE B127
STOR. B129
STOR. B129
TOILET B122
OFFICE B130
GIRLS B114
STORAGE B125
BOYS B112
ADMINISTRATION B133
RECORDS B132
EXAM B131
OFFICE B134
SPEC. EDUC. B121
ANCHORS
FOR CONT. SEE DWG. NO. HV-2.
REFER NOTE ON DWG. HV-2
EXIST. LOOPS W/ PIPE GUIDES 5'-0" x 5'-0" REF. 5'-0" x 5'-0" HP.
EXIST. 1¼" HW SUP. & RET. IN DOUBLE WALL CONTAINMENT SYSTEM
EXIST. 1¼" HW SUP. & RET. RUN OUTS TO RADIATION SHALL BE ¾" UNLESS OTHERWISE NOTED
CONN. NEW 12"ø EXHST. TO EXIST. 14"ø EXHST.
CONN. TO EXIST. 1¼" HW SUP. & RET.
CONN. TO EXIST. 1¼" HW SUP. & RET.
CONN. TO EXIST. 1¼" HW SUP. & RET



NOTE:
ALL U.V. AND 2 OFT RUNOUTS TO RADIATION SHALL BE 3/4" UNLESS OTHERWISE NOTED.

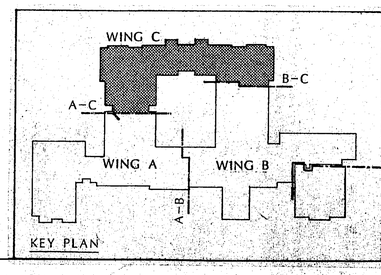
TYPICAL CLASSROOM EXHAUST WING C
NO SCALE

STAMP

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

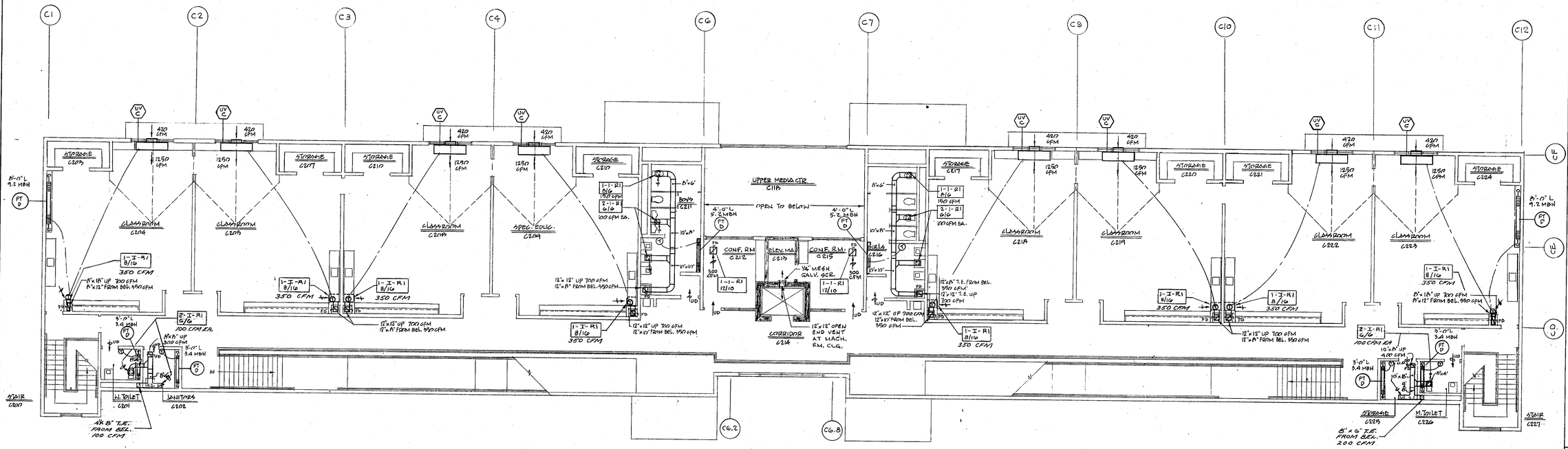


TITLE:
Wing C: Lower Level
Heating & Ventilation Plan

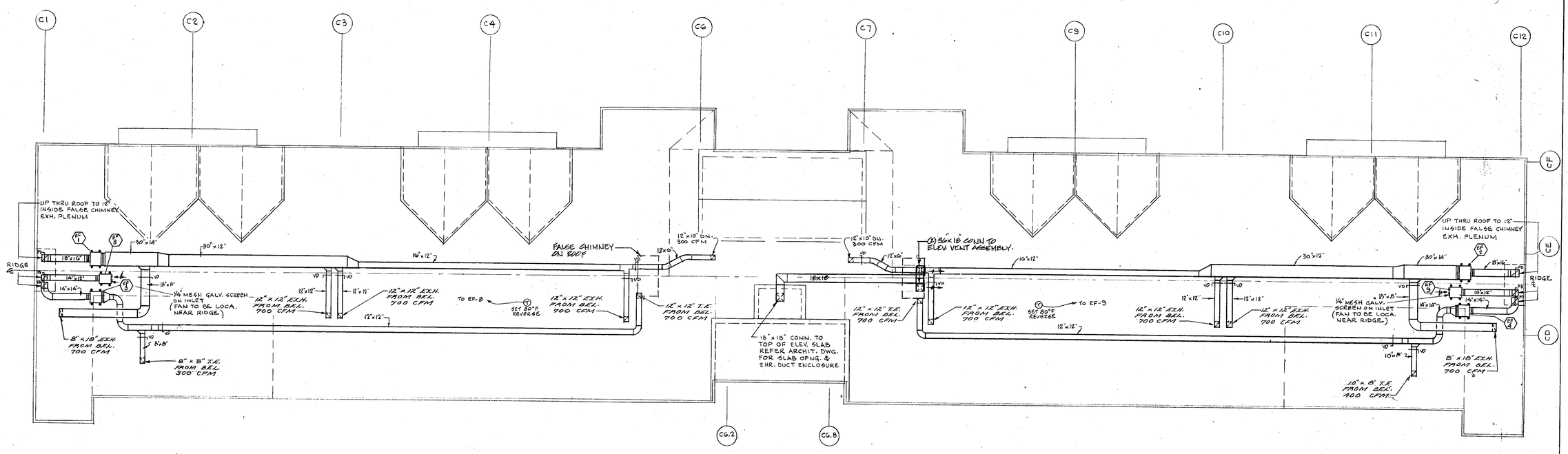
Date: SEPT. 28 1992 Drawn By: JB/
Scale: 1/8" = 1'-0" Job No: 9008/9

SHEET:

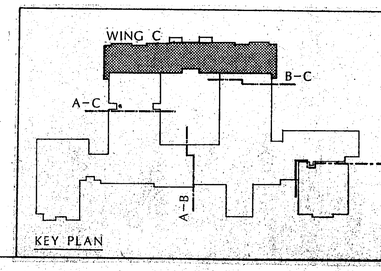
HV-



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



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



STAMP

COMMONWEALTH OF MASSACHUSETTS
EDWARD L. FITZWATER NO. 9247
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

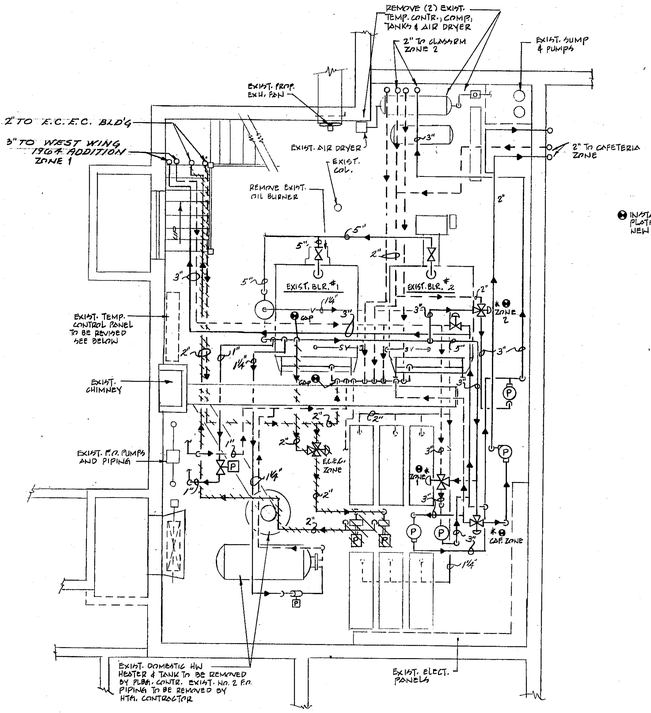
TITLE:
Wing C: Upper Level
Heating & Ventilation Plan

Date: SEPT. 28, 1992 Drawn By: JB/DF
Scale: 1/8"=1'-0" Job No: 9008 / 9104

SHEET:

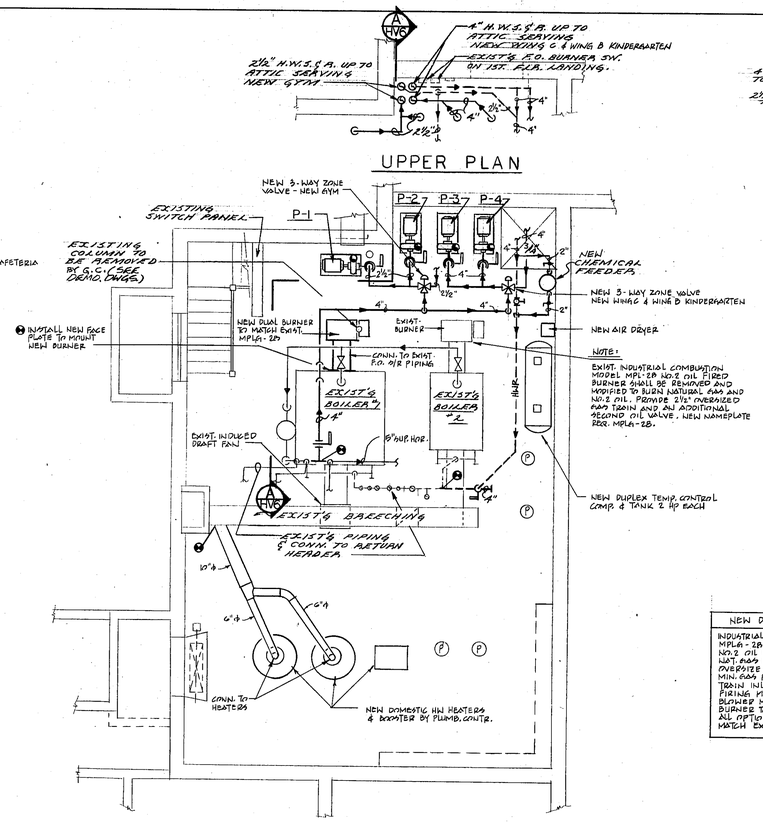
HV-5

TYPOTECH



EXIST'G. BOILER ROOM
SCALE: 1/4" = 1'-0"

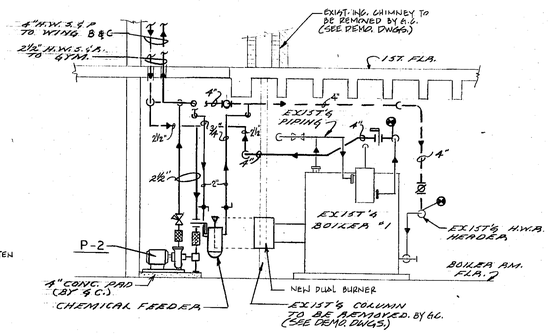
* ALL EXISTING 3-WAY ZONE CONTROL VALVES TO BE REPLACED WITH NEW 3-WAY ZONE VALVES. EXACT SIZES TO BE DETERMINED BY THE CONTROL CONTRACTOR AT THE SITE.



EXIST. INDUSTRIAL COMBUSTION MODEL MPL-28 NO.2 OIL FIRED BURNER SHALL BE REMOVED AND MODIFIED TO BURN NATURAL GAS AND NO.2 OIL. PROVIDE 2½" OVERSIZED GAS TRAIN AND AN ADDITIONAL SECOND OIL VALVE, NEW NAMEPLATE PER MPLA-28.

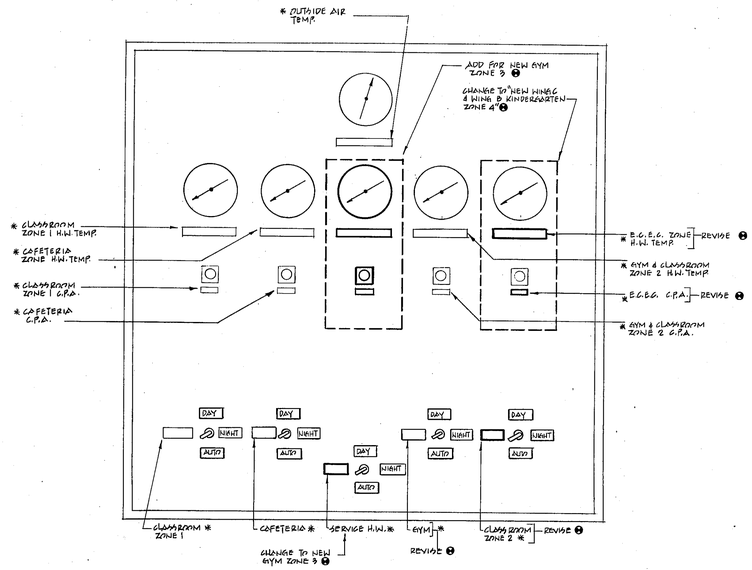
REVISED BOILER ROOM
SCALE: 1/4" = 1'-0"

NOTES:
1. THE EXISTING INDUCED DRAFT FAN AND BOILER SHALL BE THOROUGHLY CLEANED ON THE OUTSIDE, INCLUDING RET. HEADERS, DOORS, INSULATION AND ALL PAINTED METAL AFTER CLEANING ALL PARTS, SHALL BE PAINTED WITH ZINC CROMATE BASED WEATHER RESISTANT PAINT.



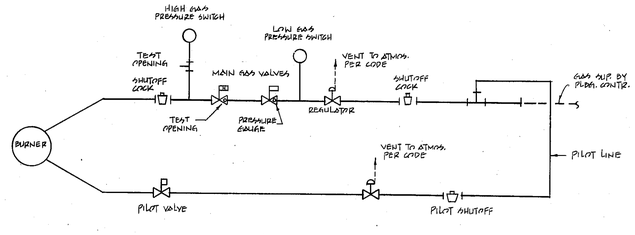
SECTION
SCALE: 1/4" = 1'-0" — A / HV-6

NEW DUAL BURNER
INDUSTRIAL COMBUSTION MODEL MPLA-28
NO.2 OIL INPUT- 19.9 GPH
NAT. GAS INPUT- 2300 MBTU/HR
OVERSIZE GAS TRAIN 2½"
MIN. GAS PRESS. REQ'D @ TRAIN INLET - 5.5" W.C.
FIRING MODE - HI-LO
BLOWER MOTOR 1 HP @ 208-3-60
BURNER TO BE SUPPLIED WITH ALL OPTIONS, FOR OIL FIRING TO MATCH EXIST. MPLA-28 BURNER.



EXIST. TEMPERATURE CONTROL PANEL SHOWING REVISIONS & ADDITIONS
NO SCALE

* INDICATES EXISTING NAMEPLATE.



U.L. 2½" GAS TRAIN PIPING FOR NEW AND EXIST. MODIFIED MODEL MPLG-28 INDUSTRIAL COMB. BURNERS
NO SCALE

LEGEND

SYMBOL	ABBREV.	DESCRIPTION
	BFV	BUTTERFLY VALVE
	BLV	BALL VALVE
	GLV	GLOBE VALVE
	GV	GATE VALVE
	MUW	MAKE UP WATER
--HWR--	HWR	HOT WATER RETURN
--HWS--	HWS	HOT WATER SUPPLY
❷		CONNECT NEW TO EXISTING

SYMBOL	ABBREV.	DESCRIPTION
	DV	DRAIN VALVE
	SCV	SWING CHECK VALVE
	LCV	LIFT CHECK VALVE
	BC	BALANCE COCK
	BV	BALANCE VALVE
	PRV	PRESSURE REDUCING VALVE
	RV	RELIEF VALVE
	ACV	2-WAY AUTOMATIC CONTROL VALVE
	ACV	3-WAY AUTOMATIC CONTROL VALVE
		UNION
	FLG	FLANGE
	PLS	PIPE LINE STRAINER
	PG	PRESSURE GAGE
	AAV	AUTOMATIC AIR VENT
	MAV	MANUAL AIR VENT
	AN	PIPE ANCHOR
	GD	PIPE GUIDE
	TSTAT	THERMOSTAT
	TRM	THERMOMETER

STAMP

COMMONWEALTH OF MASSACHUSETTS — EDWARD FITZMEYER NO. 16147 — REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

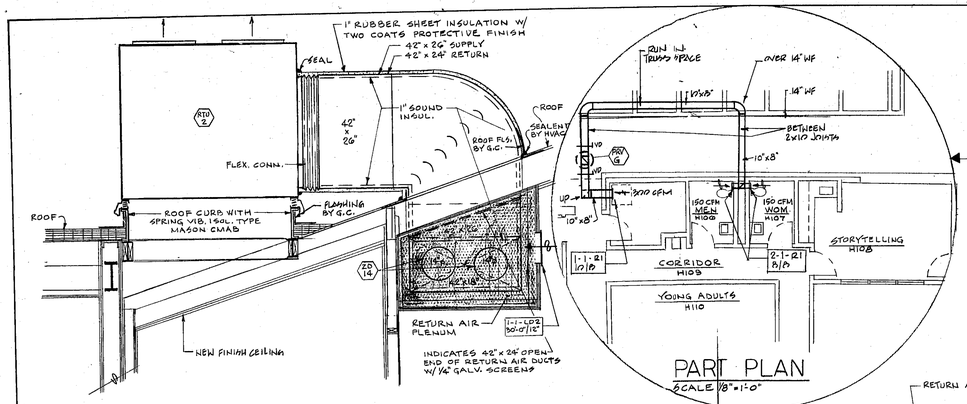
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Boiler Room: Plans and Sections

Date: SEPT. 28, 1992 Drawn By: JBDF
Scale: AS NOTED Job No: 9008.1

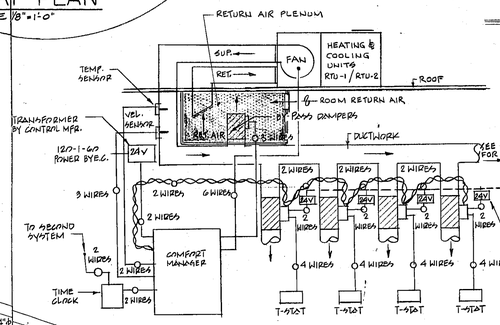
SHEET:

163279
TYPOTECH



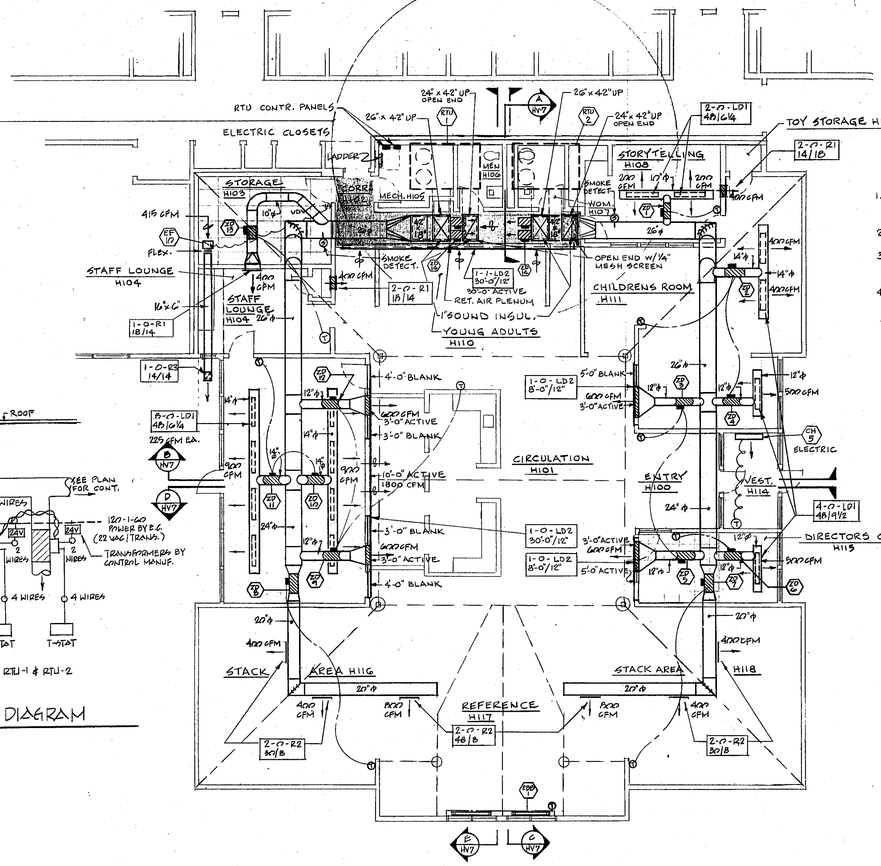
SECTION
1/2" = 1'-0"
A HV-7

PART PLAN
SCALE 1/8" = 1'-0"



NOTE: TWO SYSTEMS REQUIRED, RTU-1 & RTU-2

VAV CONTROL DIAGRAM
NO SCALE

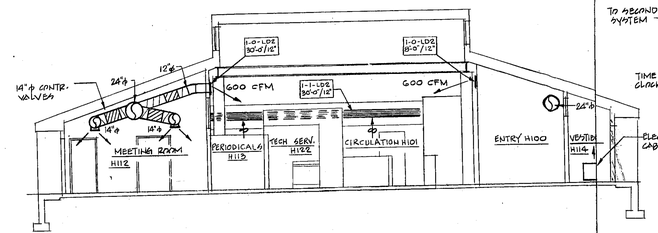


NEW LIBRARY PLAN
1/8" = 1'-0"

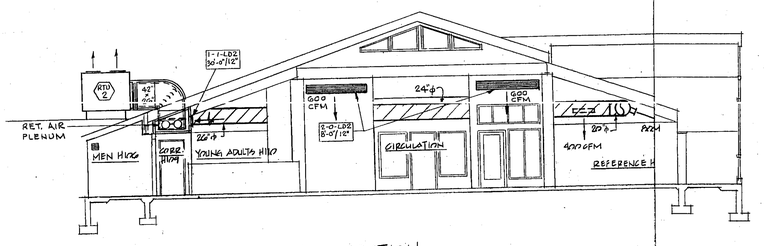
INSULATION NOTES

1. SUPPLY AND RETURN DUCTWORK FROM RTU UNITS SHALL HAVE 1" SOUND INSULATION AS SHOWN.
2. ZONE DAMPERS ZD-14 SHALL NOT BE INSULATED.
3. ALL SUPPLY DUCTWORK LOCATED ABOVE HUNG CLG. SHALL BE INSULATED.
4. ALL EXPOSED SUPPLY DUCTWORK SHALL NOT BE INSULATED.

LINEAR DIFFUSER DETAIL
(ALSO APPLIES TO SUP. REG.)

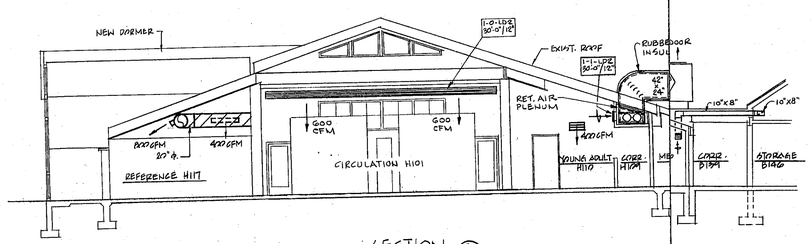


SECTION
1/8" = 1'-0"
D HV-7



SECTION
1/8" = 1'-0"
G HV-7

SECTION
1/8" = 1'-0"
D HV-7



SECTION
1/8" = 1'-0"
E HV-7

DEMOLITION NOTES

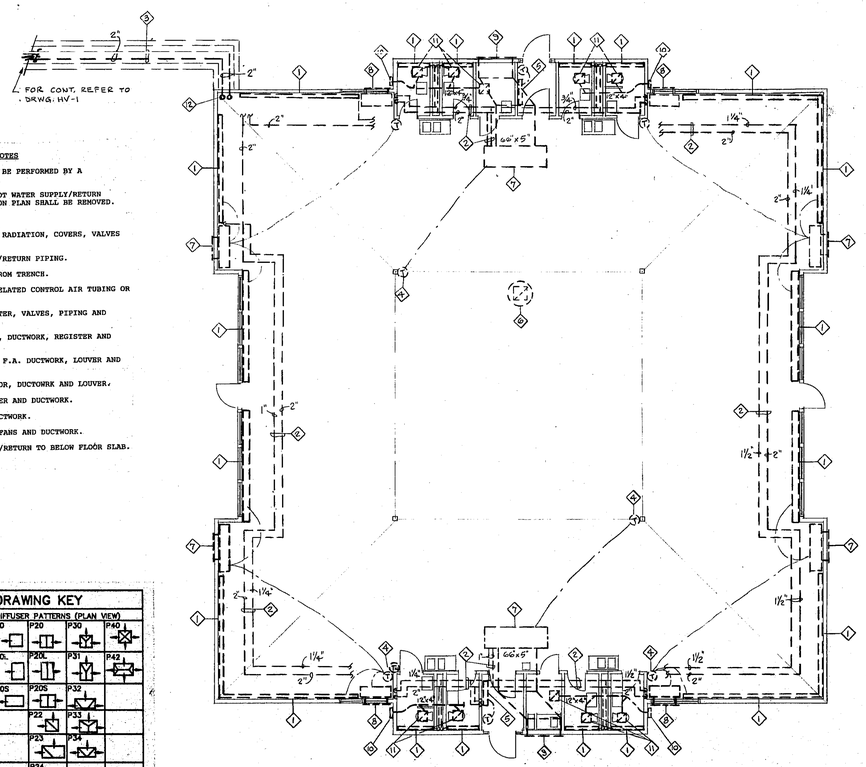
1. ALL MECHANICAL DEMOLISHING SHALL BE PERFORMED BY A MECHANICAL CONTRACTOR.
2. ALL EXISTING HOT WATER HEATING HOT WATER SUPPLY/RETURN PIPING NOT SHOWN ON THE DEMOLITION PLAN SHALL BE REMOVED.

LEGEND

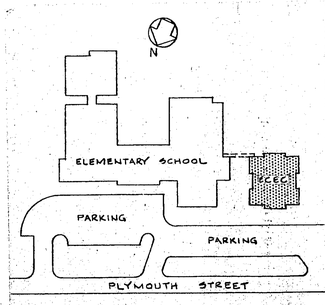
1. REMOVE EXISTING WALL FINNED TUBE RADIATION, COVERS, VALVES AND PIPING.
2. REMOVE EXISTING HOT WATER SUPPLY/RETURN PIPING.
3. REMOVE EXISTING HEATING PIPING FROM TRENCH.
4. REMOVE EXISTING THERMOSTAT AND RELATED CONTROL AIR TUBING OR WIRING.
5. REMOVE EXISTING CABINET UNIT HEATER, VALVES, PIPING AND CONTROLS.
6. REMOVE EXISTING ROOF EXHAUST FAN, DUCTWORK, REGISTER AND ROOF CURB.
7. REMOVE EXISTING UNIT VENTILATOR, F.A. DUCTWORK, LOUVER AND PIPING.
8. REMOVE EXISTING EXHAUST VENTILATOR, DUCTOWRK AND LOUVER.
9. REMOVE EXISTING F.A. INTAKE LOUVER AND DUCTWORK.
10. REMOVE EXISTING WALL CAPS AND DUCTWORK.
11. REMOVE EXISTING CEILING EXHAUST FANS AND DUCTWORK.
12. REMOVE EXISTING HOT WATER SUPPLY/RETURN TO BELOW FLOOR SLAB.

AIR INLET/OUTLET DRAWING KEY

DRAWING SYMBOL	ABBREV.	DIFFUSER PATTERNS (PLAN VIEW)
TYPE SEE SCH.	D-DIFFUSER	P10, P20, P30, P40
O-OUTLET I-INLET	G-GRILLE	P10L, P20L, P31, P42
NO. UNITS	R-REGISTER	P10S, P20S, P32
1 - O - 01 / 12/12 - P40	T-TRANSFER	P22, P33
NECK SIZE	F-FILT/RET	P23, P34
BLOW PATTERN	S-SLOT	P24
	L-LINEAR	



EXISTING E. C. E.C. BLDG. DEMOLITION PLAN
SCALE 1/8" = 1'-0"



SITE PLAN

STAMP

COMMONWEALTH OF MASSACHUSETTS
EDWARD L. FITZMEYER
NO. 9417
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Holmes Library:
Heating & Ventilation Plan
& Demolition

Date: SEPT. 30, 1992 Drawn By: JB/DI
Scale: AS NOTED Job No: 9008.091

SHEET:

HV-1

REGISTER AND GRILLE SCHEDULE

SYM	TYPE	FACE TYPE	FACE BAR	MOUNTING	DAMPER	MAT'L	FINISH	REMARKS	BASED ON MFR/MODEL
R1	EXH. REG.	SINGLE FIXED 35°	HORIZ.	SURFACE	OPP. BLD.	STL.	COLOR BY ARCHITECT	—	TITUS 350 RL
R2	SUP. REG.	DOUBLE DEFLEC.	HORIZ.	DUCT MOUNTED	OPP. BLD.	STL.	↓	ALL BLADES INDIVID. ADJUST.	TITUS 300 FL
R3	EXH. REG.	FIXED BAR	HORZ.	SURFACE	OPP. BLD.	STL.	↓	HEAVY DUTY GYM TYPE	TITUS 50 RL

WATER PUMP SCHEDULE

TAG	SERVICE	TYPE	SIZE SUCT.	SIZE DSCH.	SIZE IMP.	GPM	HEAD (FT)	NPSH (FT)	EFF %	MOTOR RPM	MOTOR HP	MOTOR V	MOTOR PH	SUCT DIFF PUMP SIDE	SUCT DIFF SYS SIDE	PUMP DSCH VALVE	BASED ON MFR/MODEL
P-1	H.W. - GYM	END SUCT. BASE MTD.	2"	1½"	8"	100	70	8	65	1750	3	208	3	YES	NO	YES	B&G 104TB 1½BC
P-2	STAND-BY H.W. - GYM	↓	2"	1½"	8"	100	70	8	65	↓	3	↓	↓	↓	↓	↓	B&G 104TB 1½BC
P-3	H.W.-HVAC & B		3"	2½"	9½"	220	90	8	75		7.5						B&G 109TB 2½BB
P-4	STAND-BY H.W.-HVAC & B	↓	3"	2½"	9½"	220	90	8	75	↓	7.5	↓	↓	↓	↓	↓	B&G 109TB 2½BB

BASED ON SERIES 1510 PUMPS.

UNIT VENTILATOR SCHEDULE

SYMBOL	TOTAL CFM	MIN O.A. CFM	ESP	CABINET TYPE	MOTOR DATA HP	RPM	V	PH	HZ	COOLING COIL DATA TOTAL MBH	SENS MBH	EWT °F	TR °F	GPM	WPD (FT)	HEATING COIL DATA TOTAL MBH	EWT °F	TD °F	GPM	WPD (FT)	FILTER TYPE	BASES ON MFR/MODEL
A	1250	420	—	VERT.	1/6		120	1	60	—	—	—	—	—	—	90.0	190		6	7.5	TA	MSI-TOW-1250
B	1250	420	—	VERT.	1/6		120	1	60	—	—	—	—	—	—	90.0	190		6	7.5	TA	MSI-TOW-1250
C	1250	420	—	VERT.	1/6		120	1	60	—	—	—	—	—	—	90.0	190		6	7.5	TA	MSI-TOW-1250

"A" UNITS TO REPLACE EXIST. U.V. O.A. LENGTH INCLUDING END PANELS TO BE 72". TYPE B F.A. INLET. SEE DETAIL.
"B" UNITS TO REPLACE EXIST. U.V. O.A. LENGTH INCLUDING END PANELS TO BE 80". TYPE B F.A. INLET. SEE DETAIL.
"C" UNITS FOR NEW ADDITION - O.A. LENGTH INCLUDING END PANELS TO BE 80". TYPE B F.A. INLET. SEE DETAIL.
ALL UNITS TO BE 21⅜" WIDE x 30" HIGH. UNITS "A & B" TO HAVE 1/4" COPPER CROSSOVER TUBING W/EXPANSION LOOP. OUTDOOR AIR INTAKES FOR "C" UNITS TO BE STANDARD VERTICAL LOUVER W/ GRILLE 56"L x 10⅜"H.
"D" CABINET COLOR SELECTION BY ARCHITECT.

FIN TUBE RADIATION

SYMBOL	ELEMENT TUBE SIZE	ELEMENT TUBE MTL	ELEMENT FIN SIZE	ELEMENT FIN MTL	ELEMENT FPF	ELEMENT ROWS	ELEMENT BTUH/LF	ELEMENT AWT °F	ELEMENT STM PSI	ENCLOSURE STYLE	ENCLOSURE MIN GA.	ENCLOSURE HT IN	ENCLOSURE DEPTH IN	ENCLOSURE FINISH	BASED ON MFR/MODEL
FT-A	1¼	STL	4⅛ x 4¼	STL	40	1	1160	190	—	FLAT TOP	16	20	5¼	SELECTION BY ARCHITECT	STERLING 720
FT-B	1¼	STL	4⅛ x 4¼	STL	40	2	1710	190	—	FLAT TOP	16	20	5¼	↓	STERLING 720
FT-C	1¼	STL	4⅛ x 4¼	STL	40	1	1060	190	—	DOUBLE SLOPE	16	11½	5¼		STERLING 5144
FT-D	1¼	STL	4⅛ x 4¼	STL	40	1	1300	190	—	SLOPE TOP	16	20	5¼		STERLING 5144
FT-E	1¼	STL	4⅛ x 4¼	STL	40	2	1850	190	—	SLOPE TOP	16	20	5¼		STERLING 5144
FT-F	1¼	GTL	4⅞ x 4¼	STL	40	1	940	190	—	FLAT TOP	16	7 7/16	5 5/16	↓	STERLING SCAR-LP LOW PROFILE 5144

UNIT HEATER SCHEDULE

TAG	AIR FLOW	CFM	FAN MOTOR DATA RPM	HP	V	PH	HZ	COIL TYPE	MBH	GPM	E.W.T.(°F)	W.T.D. (°F)	W.P.D. (FT)	ACCESSORIES	BASED ON MFR/MODEL
UH-1	HORIZ.	1100	1550	1/6	120	1	60	HTR	32.1	3.30	190	20	.21	LOUVERS	TRANE 705
UH-2	HORIZ.	315	1050	1/25	120	1	60	HTR	8.8	1.71	190	10	.04	LOUVERS	TRANE 20-02

CABINET HEATER SCHEDULE

TAG	CFM	AIR FLOW	CAB TYPE	AIR INLET	AIR OUTLET	CAB FINISH	COIL TYPE	MBH	GPM OR LB/HR	EWT OR PSI	WTD ()	WPD (FT)	FAN MOTOR DATA HP	V	PH	HZ	FAN SPD. SW.	T'STAT	BASED ON MANUFACT. — MODEL
CH-1	420	VERT	HORIZ. REC.	BOT. GRILLE	BOT. GRILLE	COLOR BY ARCHITECT	HTR	31.7	2.0	190	38.3	1.28	1/30	120	1	60	UM	YES	TRANE EBGA004
CH-2	560	VERT	↓	BOT. GRILLE	BOT. GRILLE	↓	HTR	41.9	2.0	190	42.6	1.54	1/20	120	1	60	UM	↓	TRANE EBGA006
CH-3	560	HORIZ.		BOT. GRILLE	PRODUCT COL.		HTR	41.9	2.0	190	42.6	1.54	1/20	120	1	60	UM		TRANE EBGA006
CH-4	200	VERT	VERT. W.H.	—	TOP		ELEC.	11.9 / 23.85	—	—	—	—	3.75 kW	208	3	60	UM		TRANE EBGA006
CH-5	600	HORZ.	INNER REC.	FRONT GRILLE	FRONT GRILLE	↓	HTR	41.9	2.0	190	42.6	1.54	1/20	120	1	60	UM	↓	TRANE H4GA006

VIBRATION ISOLATION

EQUIP TAG	EQUIPMENT TYPE	BASE TYPE	MOUNT TYPE	HANGER TYPE	MINIMUM DEFLECTION INCHES	PIPE CONNECTION TYPE	REMARKS
HV-1	HORIZ. AIR HANDLER	—	—	H2	0.35	—	
HV-2	VERT. AIR HANDLER	B2	M3	—	0.30	—	
HV-3	HORIZ. AIR HANDLER	B1	M3	—	0.30	—	
HV-4	HORIZ. AIR HANDLER	B1	M3	—	0.30	—	
P1,P2,P3,P4	BASE MOUNTED PUMPS	—	—	—	0.30	—	
EF-1,2,3,4, 8&9	INLINE CAB. EXH. FANS	—	—	—	—	P1	
AC-1	HORZ. AIR HANDLER	B1	M3	H2	0.35	—	
	ROOF TOP CONDENSER	B1	M2	—	0.30	—	
				—	0.35	—	

DIFFUSER SCHEDULE

SYM	TYPE	MOUNTING	FACE	DAMPER	MTL	FINISH	ACCESSORIES	REMARKS	BASED ON MFR/MODEL
LD-1	LINEAR DIFF.	SEE DETAIL	—	AG-350PD	ALUM.	COLOR BY ARCHITECT	—	FRAME 1B	TITUS - LL-2
SD2	PFS 2'x2' FLUSH	T BAR	PERF.	O-100	STL.	↓	FIXED DEFLECTOR	8"ø INLET	TITUS - PFS
LD-2	LINEAR DIFF.	WALL (DW.)	—	—	ALUM.	↓	BLANK-OFF (SEE PLANS)	FRAME 1B	TITUS - LL-1

NOTE
EXACT SIZE OF EXIST. ROOF CURBS TO BE VERIFIED BY HVAC CONTR. IN FIELD.

POWER ROOF VENTILATOR SCHEDULE

TAG	TYPE	CFM	S.P. IN WG	DRIVE	FAN RPM	T.S. FPM	MOTOR HP	MOTOR V	MOTOR PH	HOUSING TOTAL FAN WEIGHT LBS.	HOUSING MTL	ROOF CURB TYPE	ROOF CURB MTL	ROOF CURB HT	DAMPER	BASED ON MFR/MODEL	FUNCTION	MOTOR STARTER DEVICE	MOTOR STARTER FURN. BY	MOTOR STARTER CONTROL
PRV-1	DN. BLAST	1740	7/8"	V-BELT	1240	1075	½	208	3	95	ALUM.	USE EXIST. 27"x 27"	—	—	USE EXIST. 27"x20" 6"DRW.	COOK 150CSB	WING B BSY CAFETERIA EXH.	H.O.A.	ELECT.	R.T.U-3
PRV-2		1400	¾"		1085	4264	½	120	1	85		USE EXIST. 25"x 25"	—	—		COOK 150CSD	WING B CLASSROOM EXH.	H.O.A.	ELECT.	CL, UNIT V.
PRV-3		1750	¾"		1180	4697	½		1	90		↓	—	—		COOK 150CSB	WING B CLASSROOM EXH.	H.O.A	ELECT.	CL, UNIT V.
PRV-4		1200	⅞"		1435	4500	½		1	70		USE EXIST. 25"x 25"	—	—	USE EXIST. 16/18 6"DRW.	COOK 120CSB	WING B TOILETS EXH.	H.O.A	ELECT.	CL, UNIT V.
PRV-5		800	½"		1835	4782	½		1	70		USE EXIST. 25"x 25"	—	—	USE EXIST. 12/18 6"DRW.	COOK 120CSB	WING B TOILETS EXH.	M.S	ELECT.	ON/OFF
PRV-5A		1750	¾"		1180	4697	½		1	90		USE EXIST. 30"x 30"	—	—	USE EXIST. 22/22 6"DRW.	COOK 150CAB	WING A CLASSROOM EXH.	M.S	ELECT.	ON/OFF
PRV-5B	UP BLAST	800	¾"		1365	4286	½		1	76		USE EXIST. 28"x 28"	—	—	USE EXIST. 22/22 6"DRW.	COOK 120CSB	WING A TOILETS EXH.	M.S	ELECT.	ON/OFF
PRV-5C	———	150	—		—	—	—	—	—	—		—	—	—	—	COOK 120VSB	WING A KITCH. EXH. CLASSROOM EXH.	M.S	ELECT.	ON/OFF
PRV-5D	DN. BLAST	1400	¾"		1085	4264	½	120	1	85	ALUM.	USE EXIST. 30"x 30"	—	—	USE EXIST. 22/22 6"DRW.	COOK 150CSB	WING A A151 CAFETERIA EXH.	H.O.A.	ELECT.	HV-1
PRV-6A	UP BLAST	5550	1½"		985	5802	1½	208	3	260		USE EXIST. 41"x 41"	ALUM.		USE EXIST. 33/39 FUEL	COOK 225VDB	WING B B107 KITCH. HOOD EXH.	H.O.A.	ELECT.	RTU-3
PRV-A	DN. BLAST	600	⅝"		1700	4200	½	120	1	95		15"x 15"			10"⅛ x 10"⅛"	COOK 100CZB	WING A TOILET EXH.	M.S	ELECT.	ON/OFF
PRV-B		960	¾"		1400	4300	½		1	70		20"x 20"			10"⅛ x 10"⅛"	COOK 100CZB	WING A TOILET EXH.	M.S	ELECT.	ON/OFF
PRV-C		400	⅞"		1700	4200	½		1	95		15"x 15"			12"⅛ x 12"⅛"	COOK 120CZB	WING A TOILET EXH.	M.S	ELECT.	ON/OFF
PRV-D	↓	1000	⅞"		1575	4946	¼		1	70		20"x 20"			10"⅛ x 10"⅛"	COOK 100CZB	WING D TOILET EXH.	M.S	ELECT.	ON/OFF
PRV-E	UP BLAST	1200	¾"		1570	4930	¼		1	76		20"x 20"			12"⅛ x 12"⅛"	COOK 120CSB	WING D CLASSROOM EXH.	H.O.A	ELECT.	CL. UNIT V.
PRV-F	DN. BLAST	1400	¾"		1085	4264	¼		1	85		24"x 24"			12"⅛ x 12"⅛"	COOK 120CSB	WING D DISHWASH EXH.	H.O.A	ELECT.	RTU-3
PRV-G	DN. BLAST	600	⅝"		1700	4200	½		1	95		15"x 15"			10"⅛ x 10"⅛"	COOK 100CZB	WING C CLASSROOM EXH. HOLMES LIBRARY TOILET EXH.	H.O.A.	ELECT.	CL. UNIT V.
																		M.S	ELECT	ON/OFF

CENTRIFUGAL FAN SCHEDULE

TAG	TYPE	CLASS	CFM	S.P. IN WG	OUTLET VEL. FPM	DISCHARGE	WHEEL DIA.	WHEEL TYPE	WHEEL RPM	DRIVE	MOTOR DATA RPM	MOTOR DATA HP	MOTOR DATA V	MOTOR DATA PH	ACCESSORIES	BASED ON MFR/MODEL	FUNCTION	MOTOR STARTER DEVICE	MOTOR STARTER FURN. BY	MOTOR STARTER CONTROL	FAN WEIGHT LBS.
EF-1&2	DUCT BLOWER	IN-LINE	3100	1"	1600	HORIZ.	15"	B1	1384	V-BELT	—	1	208	3	INSULATED	COOK 150 SDB	WING C CLASSROOM EXH.	H.O.A	ELECT.	WING C UV-C	205
EF-3&4	DUCT BLOWER	IN-LINE	1170	¾"	1100		12"	B1	1415	V-BELT	—	⅛	208	3	INSULATED	COOK 120 SDB	WING C TOILET EXH.	M.S	ELECT.	MANUAL ON/OFF	80
EF-5	CLG. BLOWER	—	140	⅛"	1100		—	—	—	DIRECT	1550	35W	120	1	WALL CAP	COOK REMINI 4-15A	WING A TOILET EXH.	M.S	ELECT.	ON/OFF	21
EF-6	CLG. BLOWER	—	180	⅛"	—	↓	—	—	—	DIRECT	1550	63W	120	1	WALL CAP	COOK REMINI 4-19A	WING A STORAGE EXH.	LIGHT SW.	ELECT.	ON/OFF	21
EF-7	CENTRIFUGAL	I	6300	3/8"	1500	CCHTHD	27"	B1	653	V-BELT	—	1½	208	3	———	COOK 270 EA 4WS1	WING A STOR. & GYMNASIUM EXH.	WALL SW.	ELECT.	ON/OFF	21
EF-8&9	DUCT BLOWER	IN-LINE	1000	½"	1000	HORIZ	12"	B1	1415	V-BELT	—	½	208	3	INSULATED	COOK 120 SDB	WING C ATTIC EXH.	H.O.A.	ELECT.	THERM.	80
EF-10	CLG. BLOWER	—	415	⅛"	—	HORIZ.	—	—	—	DIRECT	1550	159W	120	1	WALL CAP	COOK REMINI 5-15	HOLMES LIBRARY STORAGE EXH.	LOCAL SWITCH	ELECT.	SW. INTLK. BY E.C.	35

ELECTRIC BASEBOARD RADIATION

UNIT NO.	ELEMENT LENGTH	WATTS PER FT	ENCL. EXT. LENGTH	TOTAL MBH	V	PH	HZ	REMARKS
EBB-1	2@5'-0"	250	14'-0" ±	25.00	208	1	60	12.0 AMPS

BASED ON CHROMALOX TYPE ADB053 5"D x 5⅜"H. W/ BUILT-IN TAMPER PROOF TWO STAGE THERMOSTAT, 16 GA. BACK COVER & DISCONNECT.

ZONE DAMPER SCHEDULE (HOLMES LIBRARY)

TAG	CFM CFM MAX	CFM CFM MIN	DIA. INCHES	OVERALL LENGTH(IN)	OVERALL WIDTH(IN)	MAX P.D. IN WA.	IN.G @ MIN PD	BASED ON MFR/MODEL	REMARKS
ZD-1	450	190	10⅜	16	19⅛	.05		TRANE-VARITRAC	PROVIDE 24 VOLT CONTROL TRANSFORMER 82 VA EACH
ZD-2	800	260	12⅜	20	19⅛				
ZD-3	600	200	12⅜	16	17⅛				
ZD-4	500	165							
ZD-5	600	200							
ZD-6	500	165							
ZD-7	1200	400	16⅜	20	21⅛				
ZD-8	1600	400	16⅜	20	21⅛				
ZD-9	600	200	12⅜	16	17⅛				
ZD-10	900	300	14⅜	20	19⅛				
ZD-11	900	300	14⅜	20	19⅛				
ZD-12	600	200	12⅜	16	17⅛				
ZD-13	400	190	10⅜	16	15⅛				
ZD-14	2000	0	14⅜	20	19⅛				BY-PASS DAMPERS - 4 REQUIRED 2 - RTU-1, 2 - RTU-2

RTU-2
RTU-1

PROVIDE SEPERATE CONTROL OPERATION OF RTU-1 & RTU-2 HEATING/COOLING, ONE TIME CLOCK & TWO COMFORT MANAGERS W/ 75VA TRANSFORMERS.

ROOF TOP UNIT SCHEDULE

TAG	FAN DATA DUCT CONFIG	FAN DATA CFM TOTAL	FAN DATA OA MIN	FAN DATA ESP IN H20	FAN DATA OA CONFIG	COOLING DATA EDB	COOLING DATA EWB	COOLING DATA LDB	COOLING DATA LWB	COOLING DATA COND EAT	COOLING DATA MBH TOTAL	COOLING DATA MBH SENS	COOLING DATA EER (ARI)	HEATING DATA FUEL	HEATING DATA INPUT CFH or KW	HEATING DATA OUTPUT MBH	HEATING DATA NO. OF STAGES	ELECTRICAL DATA V	ELECTRICAL DATA PH	ELECTRICAL DATA HZ	ELECTRICAL DATA COMP QTY	ELECTRICAL DATA COMP RLA	ELECTRICAL DATA COMP LRA	ELECTRICAL DATA COND FAN QTY	ELECTRICAL DATA COND FAN FLA EA	ELECTRICAL DATA FANS FAN HP	ELECTRICAL DATA SUPPLY FAN FLA	ELECTRICAL DATA UNIT MCA	ELECTRICAL DATA UNIT MOCP	ROOF CURB	ACCESSORIES SPACE T'STAT	ACCESSORIES RMT PANEL	ACCESSORIES LOW AMB	BASED ON MFR/MODEL	UNIT WEIGHT LBS.
RTU-1	HORIZ.	5400	1400	.70	ECONO.	80	67			55	180	127	8.5	NAT. GAS	250	201	2	208	3	60	2	28.7	156	2	3.2	3	10.6	81.5	—	APRIN VIB.MTG.	NO	NO	NO	TRANE YCD180A3A	1800
RTU-2	HORIZ.	4700	1200	.70	ECONO.	80	67			55	160	115	8.5	NAT. GAS	250	201	2	208	3	60	2	28.7	156	2	3.2	3	10.6	81.5	—	↓	NO	NO	NO	TRANE YCD180A3A	1800
RTU-3	HORIZ.	4000	700	.80	ABR2.2	—	—	—	—	—	—	—	—	NAT. GAS	400	308	2	208	3	60	—	—	—	—	—	2	7.8	—	—	↓	YES	YES	—	TRANE EIRNC 040	1000

HOLMES LIBRARY
HOLMES LIBRARY B107 KITCHEN

AIR HANDLER SCHEDULE

TAG	TYPE	FAN DATA CFM TOTAL	FAN DATA CFM O.A.	FAN DATA SP TOTAL	FAN DATA SP EXT	HEATING COIL DATA TYPE	HEATING COIL DATA DIA	HEATING COIL DATA O.V. FPM	HEATING COIL DATA RPM	HEATING COIL DATA HP	HEATING COIL DATA V	HEATING COIL DATA PH	COOLING COIL DATA TYPE	COOLING COIL DATA FACE AREA	COOLING COIL DATA MBH	COOLING COIL DATA EAT	COOLING COIL DATA LAT	COOLING COIL DATA EWT	COOLING COIL DATA LWT	COOLING COIL DATA WATER GPM	COOLING COIL DATA WATER WPD	COOLING COIL DATA STEAM PSIG	COOLING COIL DATA STEAM LBS/HR	COOLING COIL DATA APD IN H20	OUTDOOR CONDENSER DATA MBH TOTAL	OUTDOOR CONDENSER DATA MBH SENS	OUTDOOR CONDENSER DATA EDB °F	OUTDOOR CONDENSER DATA EWB °F	OUTDOOR CONDENSER DATA NET MBH	OUTDOOR CONDENSER DATA O.A. AMB.	OUTDOOR CONDENSER DATA V	OUTDOOR CONDENSER DATA PH	OUTDOOR CONDENSER DATA COMP HP	OUTDOOR CONDENSER DATA COMP LRA	OUTDOOR CONDENSER DATA FAN LRA	OUTDOOR CONDENSER DATA UNIT MCA	ACCESSORIES BY MANUFACTURER	BASED ON MFR/MODEL	UNIT WEIGHT LBS.
HV-1	CLG. HEATA HORIZ. DRAW THRU	3000	1800	.75"	.50"	FC	9"	1700	1219	1.5	208	3	W 2 ROW	6	300	95	—	190	160	20	3.7	—	—	—										DOUBLE PLEN. W/BELLE DELUXE FILT. MIX BOX	TRANE - TAORIVENT T7	
HV-2	FLR. MTD. VERT. DRAW THRU	3000	1800	.80"	.40"	FC	9"	1700	1219	1.5										20	3.7	—	—	—										DELUXE FILT. MIX BOX FILLER PANEL	TRANE - TAORIVENT T7	800
HV-3	FLR. MTD. HORIZ. DRAW THRU	6000	3150	1.5"	.90"	FC	20"	1600	1091	3.0				6	300	—	—			20	3.7	—	—	—										DELUXE FILT. MIX BOX	TRANE - TAORIVENT T14	1300
HV-4	FLR. MTD. HORIZ. DRAW THRU	6000	3150	1.5"	.90"	FC	20"	1600	1091	3.0				19.1	360	—	—			25	1.3	—	—	—										DELUXE FILT. MIX BOX	TRANE - TAORIVENT T14	1500
AC-1	SPLIT-SYSTEM HORZ. DRAW THRU	2500	500	1.25	.80	FC	15"	1500	821	1.5	208	3	AUX. ELECT. HTG. 10 KW	15.1	360	—	—			25	1.3	—	—	—	DX	8.1	90.0	62.3	80	67	88.0	95	208	3	7.5	156.0	9.1	40	ANTI-SHORT-CYCLE-CONT. GUARD. ①	TRANE - 7.5 TON 2TA090/TWE090	AC-1=450 COND=430

A151 EXIST. CAFE.
B157 EXIST. CAFE.
A103 NEW GYM
A103 NEW GYM OFFICE AREA

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

STAMP
COMMONWEALTH OF MASSACHUSETTS — EDWARD FITZGERALD NO. 8047 — REGISTERED PROFESSIONAL ENGINEER

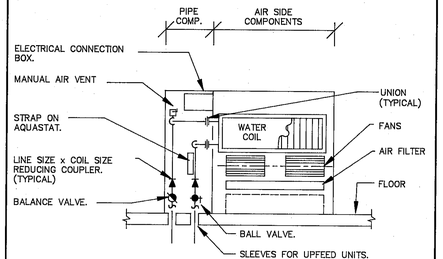
REVISIONS:

TITLE:
Heating & Ventilation Schedule

Date: SEPT. 19, 1998 Drawn By: JB/DF
Scale: AS NOTED Job No: 9008/9104

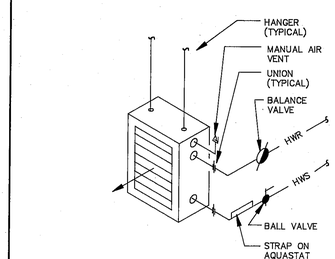
SHEET:
HV-8

TYPOTECH 132029

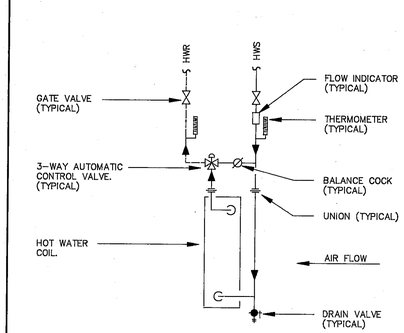


NOTES
1. FLOOR UNIT INDICATED, WALL UNIT SIMILAR WITH BOTTOM OF UNIT 4" ABOVE FINISHED FLOOR. (EXCEPT AS NOTED)
2. FASTEN TO WALL AT MOUNTING LUGS.
3. LEFT HAND UNIT SHOWN. RIGHT HAND UNIT OPPOSITE FEED. REFER TO PLANS.

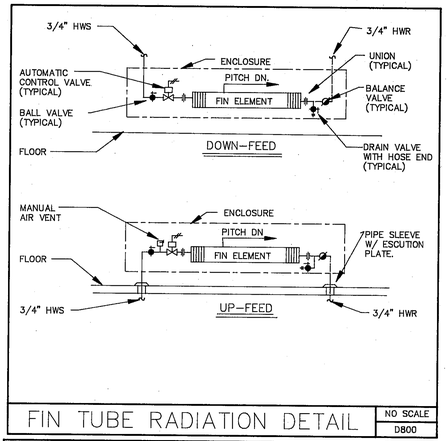
CABINET HEATER DETAIL — NO SCALE — D500



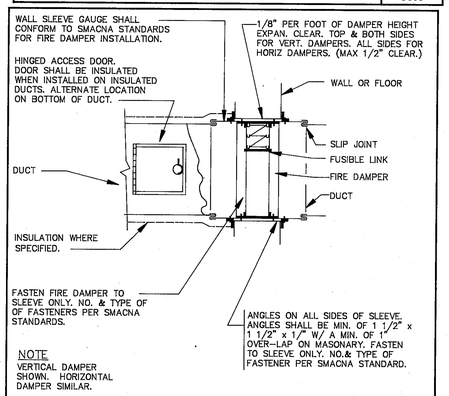
HORIZ. UNIT HEATER DETAIL — NO SCALE — D600



HOT WATER PIPING DETAIL — NO SCALE — D962

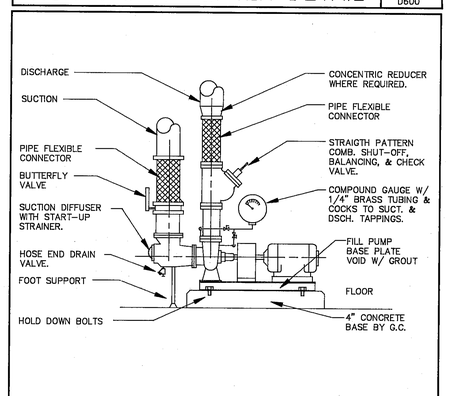


FIN TUBE RADIATION DETAIL — NO SCALE — D800

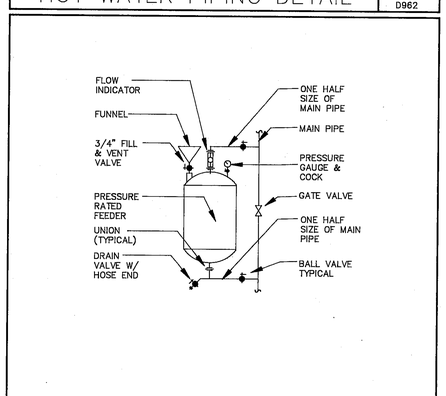


NOTE
VERTICAL DAMPER SHOWN. HORIZONTAL DAMPER SIMILAR.

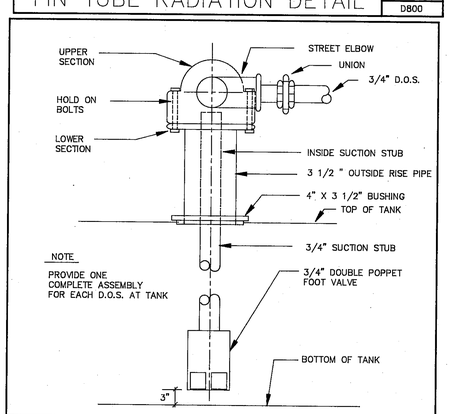
FIRE DAMPER TYPE-A DET. — NO SCALE — D-1201



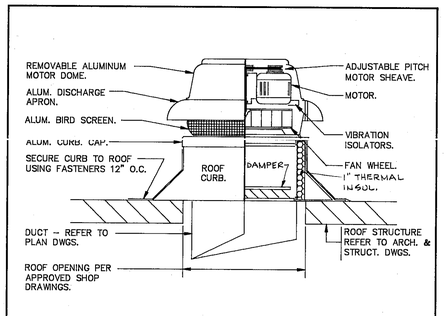
END SUCTION PUMP DETAIL — NO SCALE — D100



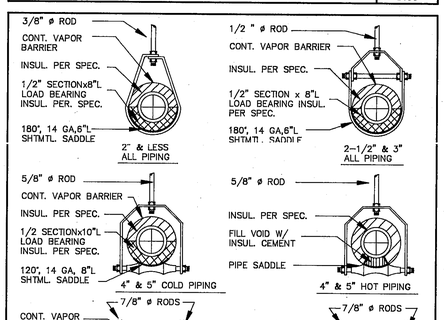
SHOT FEEDER DETAIL — NO SCALE — D400



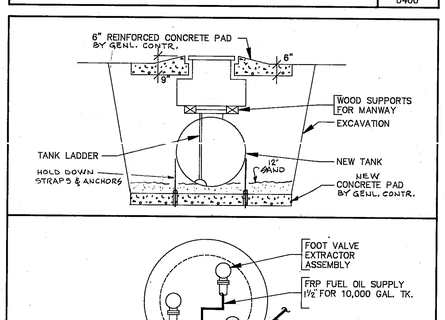
FOOT VALVE EXTRACTOR FOR DIESEL OIL TANK — NO SCALE — DETAIL NO.



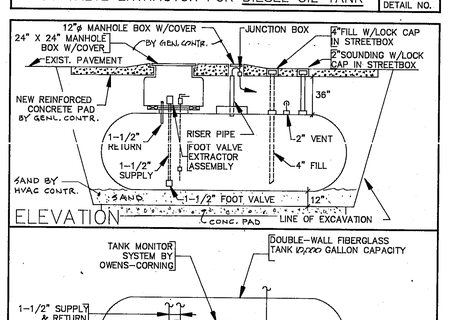
ROOF FAN DETAIL — NO SCALE — D1000



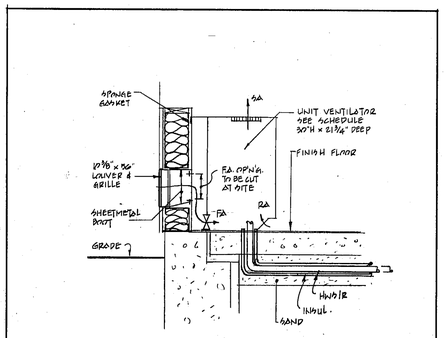
PIPE HANGER DETAIL — NO SCALE — D1300



MANWAY — NO SCALE — MANWAY

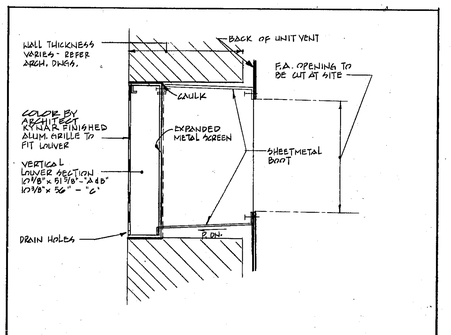


OIL TANK (NO. 2 FUEL OIL) — NO SCALE



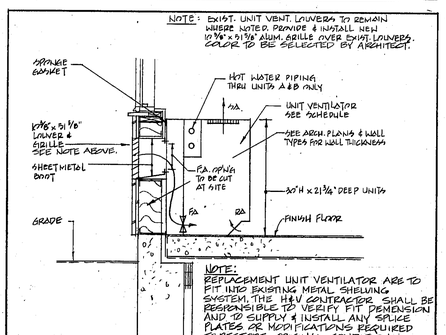
UNIT VENT "C"

UNIT VENT DETAIL - WING C

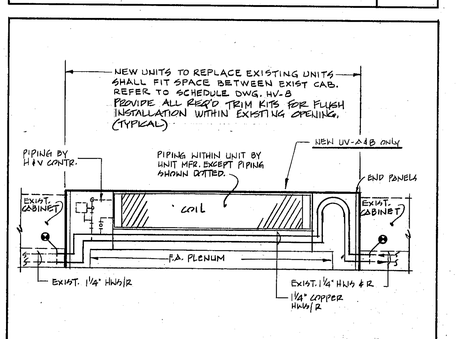


FLUSH MOUNTED FOR PANEL WALL

DETAIL OF LOUVER INSTALLATIONS FOR UNIT VENTS — NO SCALE



UNIT VENT DETAIL - WINGS A & B — NO SCALE



TYPICAL CLASSROOM UNIT VENT PIPING A/B — NO SCALE

STAMP

COMMONWEALTH OF MASSACHUSETTS
EDWARD L. FITZENEYER NO. 6642 REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

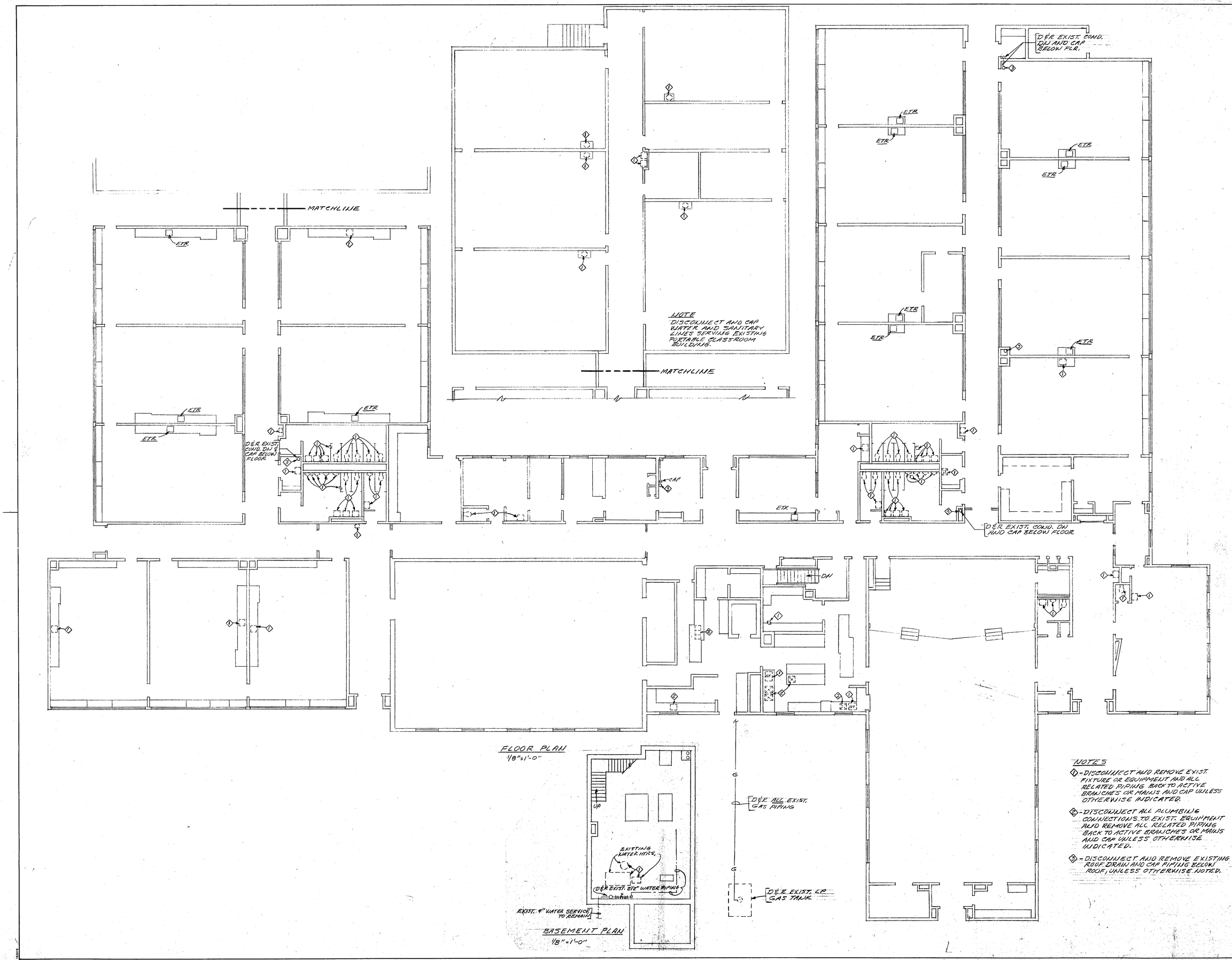
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Heating & Ventilation Details

Date: SEPT. 16, 1996 Drawn By: JB
Scale: AS NOTED Job No: 9008 / 9104

SHEET:
HV-9

TYPOTECH



NOTES

1. - DISCONNECT AND REMOVE EXIST. FIXTURE OR EQUIPMENT AND ALL RELATED PIPING BACK TO ACTIVE BRANCHES OR MAINS AND CAP UNLESS OTHERWISE INDICATED.
2. - DISCONNECT ALL PLUMBING CONNECTIONS TO EXIST. EQUIPMENT AND REMOVE ALL RELATED PIPING BACK TO ACTIVE BRANCHES OR MAINS AND CAP UNLESS OTHERWISE INDICATED.
3. - DISCONNECT AND REMOVE EXISTING ROOF DRAIN AND CAP PIPING BELOW ROOF, UNLESS OTHERWISE NOTED.

STAMP

COMMONWEALTH OF MASSACHUSETTS
EDWARD L. FITZEMEYER
NO. 9847
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Existing School Building Plumbing Demolition Plan

Date: SEPT. 18, 1992 Drawn By: D.D.
Scale: 1/8"=1'-0" Job No: 9008/91

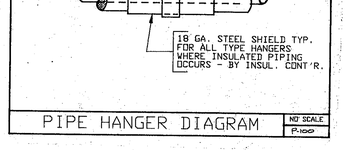
SHEET:

P-

EJECTOR-WEIL 2-240540-1/2, 1/2 HP, 115 V, 1Ø, IN 28"ØX5' DEEP FIBERGLASS BASIN W/ COVER & 2" VENT OPENINGS.

LOWER LEVEL GYM PLAN
1/8" = 1'-0"

INV. = 76.00'
2"W RISE W/GV
INV. = 69.60'
FOR CONTIN. SEE PLAN BELOW
2"V RISE
4" FD 'B' 4" WET
INV. = 70.75'
S = .01
4"Ø FCO
2"V UP
2"V DN & RISE
STORAGE 1100
ELEC. RM. 1100A
ELEC. 1100B
DATA 1100C
UP
STORAGE 1101A
2"V DN & RISE
2"VTR
PLATFORM 1110
1102
DN
INV. = 76.00'
6"
FCO
2"W DN
LOBBY 1106
4"VTR
1109
1108
P-8
P-1A
GYM 1103
OFFICE 1107
MUSIC 1110
STOR. 1104
STOR. 1105
STOR. 1114
STOR. 1112
STOR. 1111
FOR CONTIN. SEE DWG. A-4
CLASSROOM 1117
CLASSROOM 1116
CLASSROOM 1115
2"V DN
(2) 2"S, 2"V
4"S, 2"V
2"V DN
(2) 4"S, 2"V
4"S DN, 4"V RISE VTR
CONN. WITH EXIST. CW DROP & EXIST. HW DROP
NEW BRANCH PIPING TO NEW FIXTURES
(2) 1 1/4 WE V
2"W DN, 2"V RISE, 3"VTR.
CONN. WITH NEW & EXIST. CW BRANCH PIP. TO FIX. EXIST. HW 2" W DN, 1 1/4 V RISE
1/2" CW DROP
2"W DN, 2"V RISE
1/2" W & V
1/2" HW DROP
1/2" W, 1 1/2" V RISE
1/2" CW DROP
3/4" HW DROP
2"W DN
3/4" CW
3/4" HW
2"W DN
RUN UNDER CNTR.
3/4" H & CW
2"W
4"S DN, 3"V RISE
2"V DN
4"S & 2"V
3/4" HW } DROP
2" CW
(2) 1 1/2" W & V
4"S DN, 4"V RISE,
REMEDIAL 1118
REMEDIAL 1119
SPECIAL ED. 1120
1121
1122
1123
1124
1125
1126
1127
1128
1129
1130
JAN. 1120
CORR. 1130
CAFETERIA 1131
ART ROOM 1113
INTERGERATOR SMITH 8714
1/2" CW DROP
2"W DN, 1 1/2" V RISE
1/2" HW DROP
INV. = 78.00'
4"S DN, 3"V RISE
1 1/4" CW DROP
1/2" HW DROP
1 1/2" W & V
2"S, 2"V
6" C.I.
CTE
INV. = 77.55'
EXIST. SMH
EXIST. 4" CMI.
(2) 2"V DN, 2"W&T
FOR CONTIN. SEE DWG. A3
4"S DN, 4"V RISE
2"V DN
4"S & 2"V
3" CW } DROP
3/4" HW
(2) 1 1/2" W & V
2"W, 2"V RISE



PIPE HANGER DIAGRAM — NO SCALE — P.1000

NOTES
3 - FURNISH AND INSTALL WATTS LF8-C VACUUM BREAKER ONTO EXIST. WALL HYDRANT.
4 - SINK - FBOC. (2) 3/8" SUPPLIES W/ STOPS 1/2" W & T

FIXTURE SCHEDULE

SYMBOL	FIXTURE	CONNS BY PLUMB'G CONTR. SOIL OR WASTE	VENT	HOT WATER	COLD WATER
P-1, P-1A	WATER CLOSET	4"	2"	---	1-1/4"
P-2	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"
P-3	LAVATORY, HC	1-1/2"	1-1/2"	1/2"	1/2"
P-4, P-4A	URINAL	2"	2"	---	1"
P-5	WORK SINK	1-1/2"	1-1/2"	1/2	1/2"
P-6	SHOWER	2"	2"	1/2"	1/2"
P-7	MOP BASIN	3"	2"	1/2"	1/2"
P-8	DRINKING FOUNTAIN	1-1/2"	1-1/2"	---	1/2"
P-9	HOSE BIBB	---	---	---	1/2"

FLOOR DRAIN SCHEDULE

TYPE	DESCRIPTION
'A'	SMITH 2010-B C.I. DRAIN WITH 5"X5" N.B. GRATE
'B'	SMITH 2110 C.I. DRAIN AND GRATE
'C'	SMITH 3100 C.I. SAN. DRAIN WITH N.B. GRATE
'D'	SMITH 3100-13 C.I. DRAIN WITH 3/4 GRATE
'E'	SMITH 3100-10 C.I. SAN. DRAIN LESS GRATE
'F'	SMITH 3140 C.I. DRAIN WITH 12"X12" N.B. GRATE

PLUMBING LEGEND

CW	COLD WATER	
HW	HOT WATER	
HWC	HOT WATER CIRCULATION	
G	GAS	
S. OR W.	SOIL OR WASTE	
IW	INDIRECT WASTE	
COND.	CONDUCTOR	
V.	VENT	
S. OR W.	SOIL OR WASTE – BURIED	
COND.	CONDUCTOR – BURIED	
V.	VENT – BURIED	
G.V.	GATE VALVE	
G.C.	GAS COCK	
GLB.V.	GLOBE VALVE	
P.R.V.	PRESSURE REDUCING VALVE	
V.B.	VALVE AND BOX W/ EXTENSION TO GRADE	
T.V.B.	TAPPING VALVE AND BOX W/ EXTENSION TO GRADE	
P.A.	PIPE ANCHOR	
C.T.E.	CONNECT TO EXISTING	
W. & T.	WASTE AND TRAP	
C.O.	CLEANOUT	
D.C.O.	DANDY CLEANOUT	
F.C.O.	FLOOR CLEANOUT	
W.H.	WALL HYDRANT	
T.B.	THRUST BLOCK	
.	DIRECTION OF FLOW	
	DIRECTION OF PITCH DOWN	
F.D.	FLOOR DRAIN	
RD	ROOF DRAIN	
INV.	INVERT	
V.T.R.	VENT THRU ROOF	
CI	CAST IRON	
E.T.R.	EXISTING TO REMAIN	
D. & R.	DISCONNECT AND REMOVE	
C.I.D.I.	CEMENT LINED DUCTILE IRON	
F.B.O.C.	FURNISHED BY OTHER CONTRACTOR	
B.F.P.	BACKFLOW PREVENTER	
O.E.D.&T.	OPEN END DRAIN AND TRAP	

STAMP
COMMONWEALTH OF MASSACHUSETTS — EDWARD L. FITZMEYER — NO. 9267 — REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

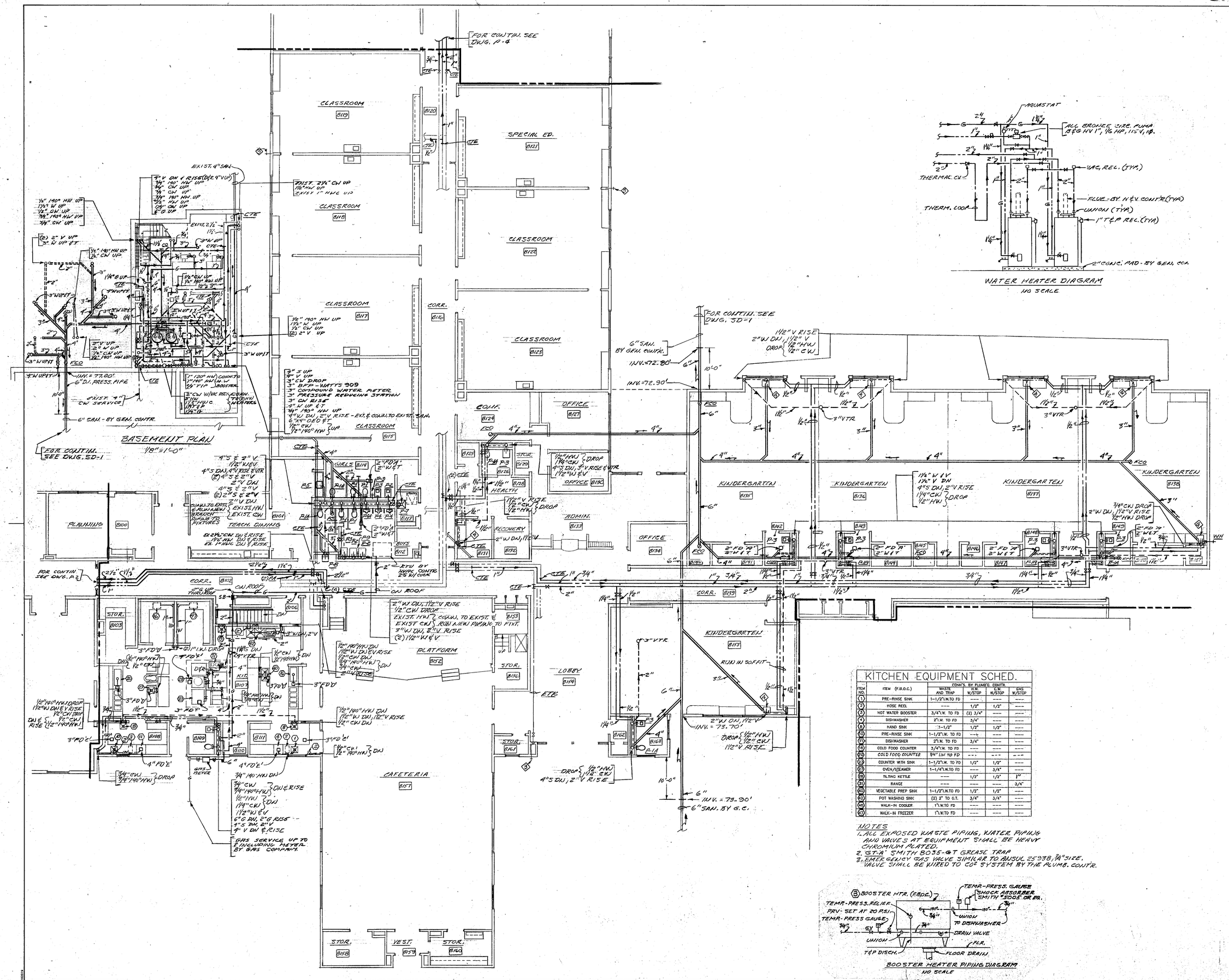
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing A: Plumbing Plan

Date: SEPT. 24, 1992 Drawn By: D.D.S.
Scale: 1/8"=1'-0" Job No: 9008 / 9104

SHEET:
P-2

TYPOTECH



STAMP

COMMONWEALTH OF MASSACHUSETTS — EDWARD FITZMEYER — NO. 19047 — REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

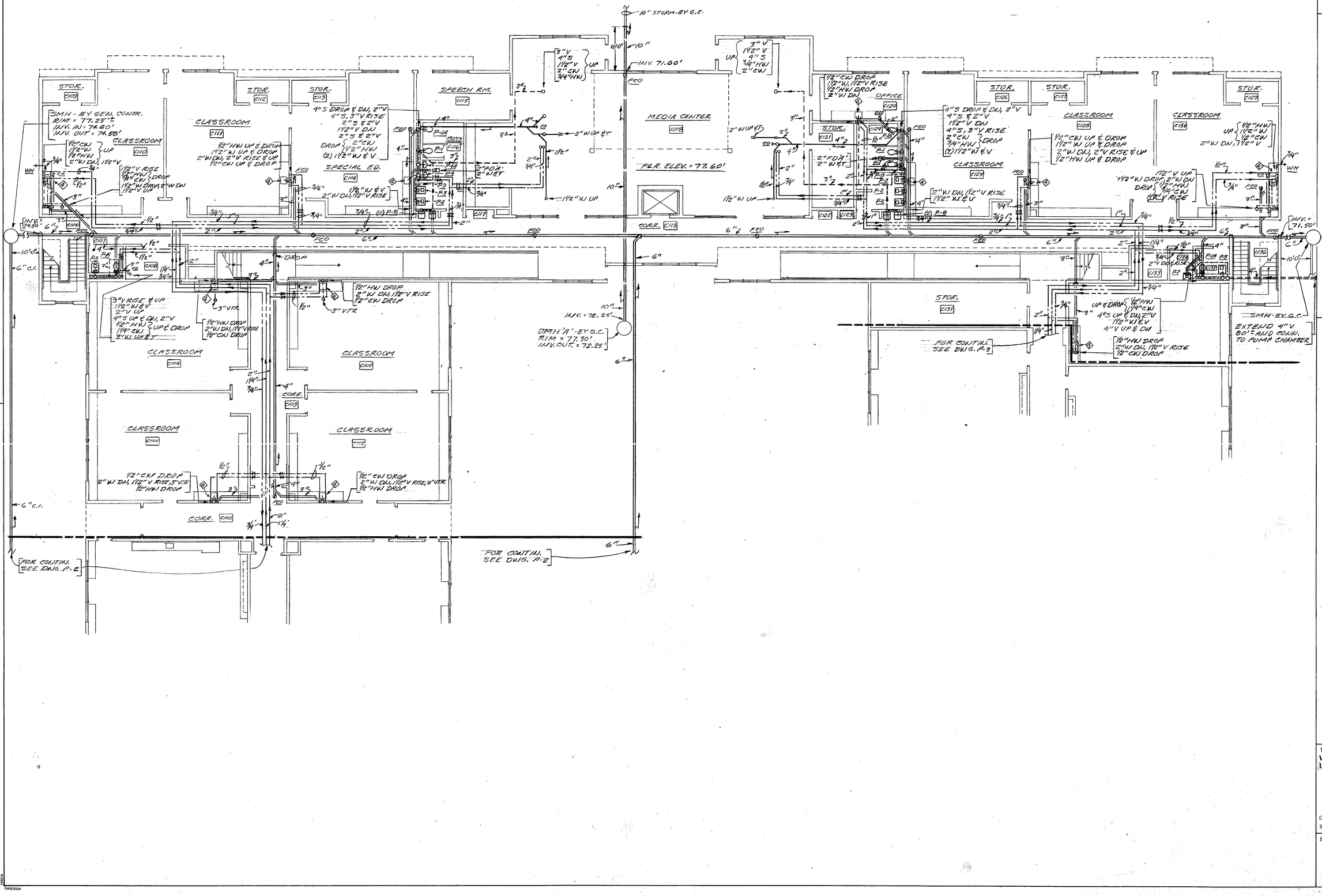
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing B : Plumbing Plan

Date: SEPT. 28 1992 Drawn By: D.D.
Scale: 1/8"=1'-0" Job No: 9008 / 91

SHEET:
P-3

TYPOTECH



STAMP

COMMONWEALTH OF MASSACHUSETTS
EDWARD L. FITZMEYER NO. 9047
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE

HALIFAX ELEMENTARY SCHOOL

AND RELOCATION OF THE

HALIFAX PUBLIC LIBRARY

HALIFAX, MASSACHUSETTS

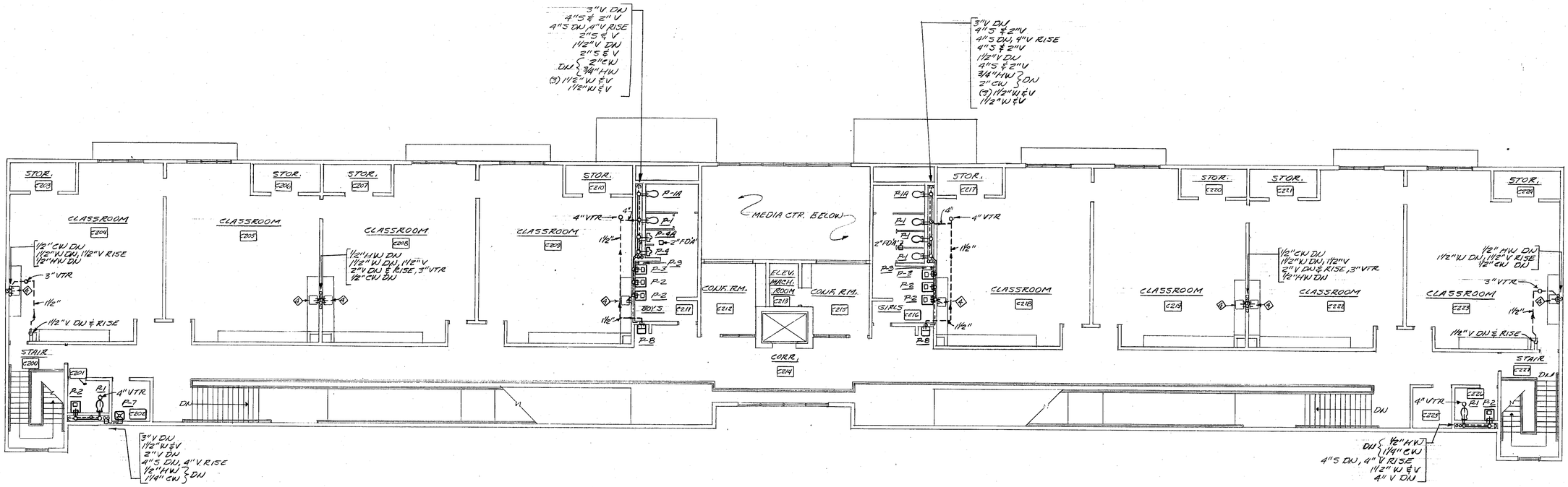
TITLE:
Wing C: Lower Level Plumbing Plan

Date: SEPT 18, 1998 Drawn By: D.D.
Scale: 1/8"=1'-0" Job No: 9008 / 91

SHEET:

P-4

TYPOTECH



STAMP

COMMONWEALTH OF MASSACHUSETTS
EDWARD L. FITZEMEYER
NO. 9047
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE

HALIFAX ELEMENTARY SCHOOL

AND RELOCATION OF THE

HALIFAX PUBLIC LIBRARY

HALIFAX, MASSACHUSETTS

TITLE:
Wing C:
Upper Level Plumbing Plan

Date: SEPT 29, 1992 Drawn By: DDS
Scale: 1/8"=1'-0" Job No: 9008 / 910

SHEET:

P-5

STAMP

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

HALIFAX ELEMENTARY SCHOOL

ADDITION AND RENOVATIONS TO THE

AND RELOCATION OF THE

HALIFAX PUBLIC LIBRARY

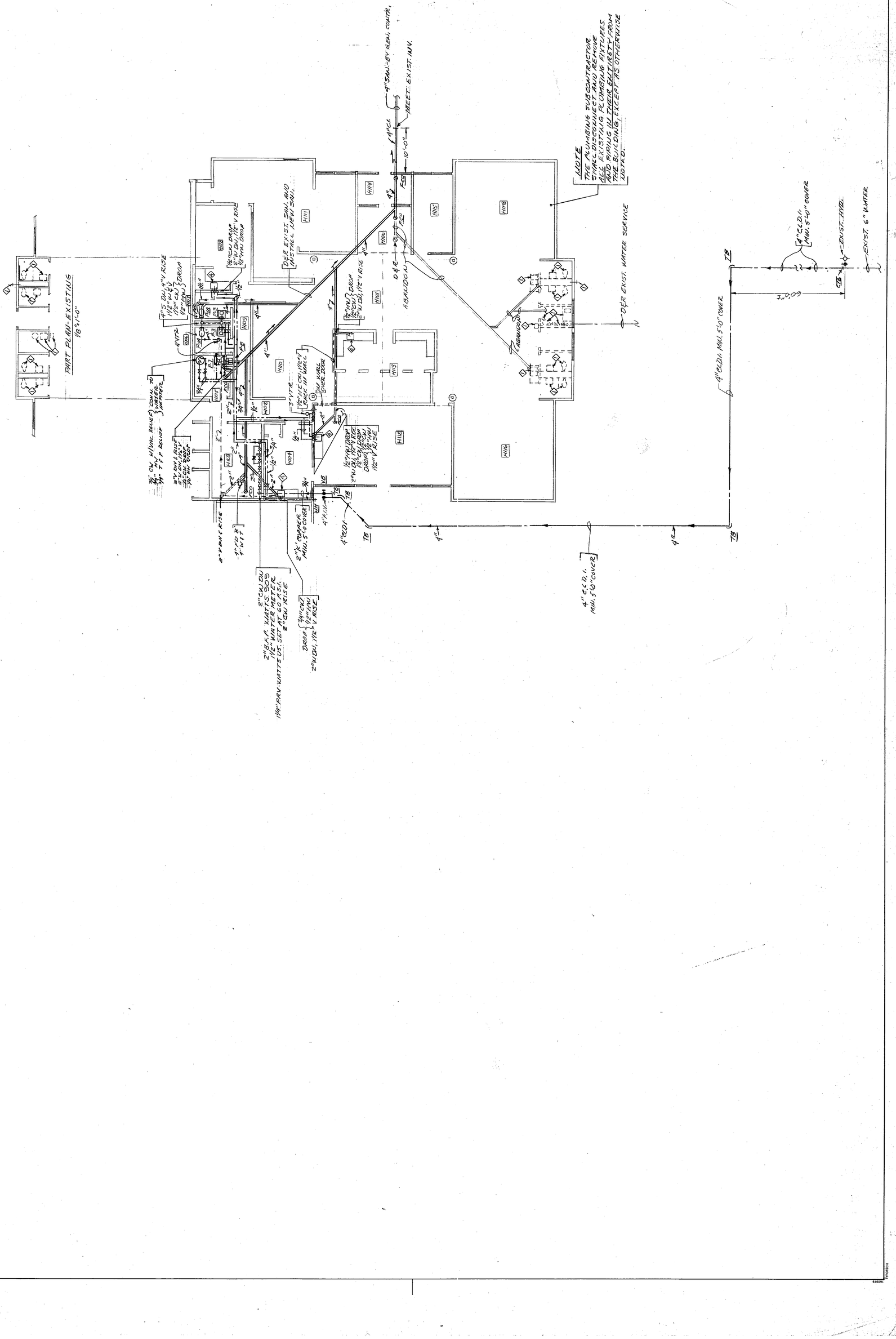
HALIFAX, MASSACHUSETTS

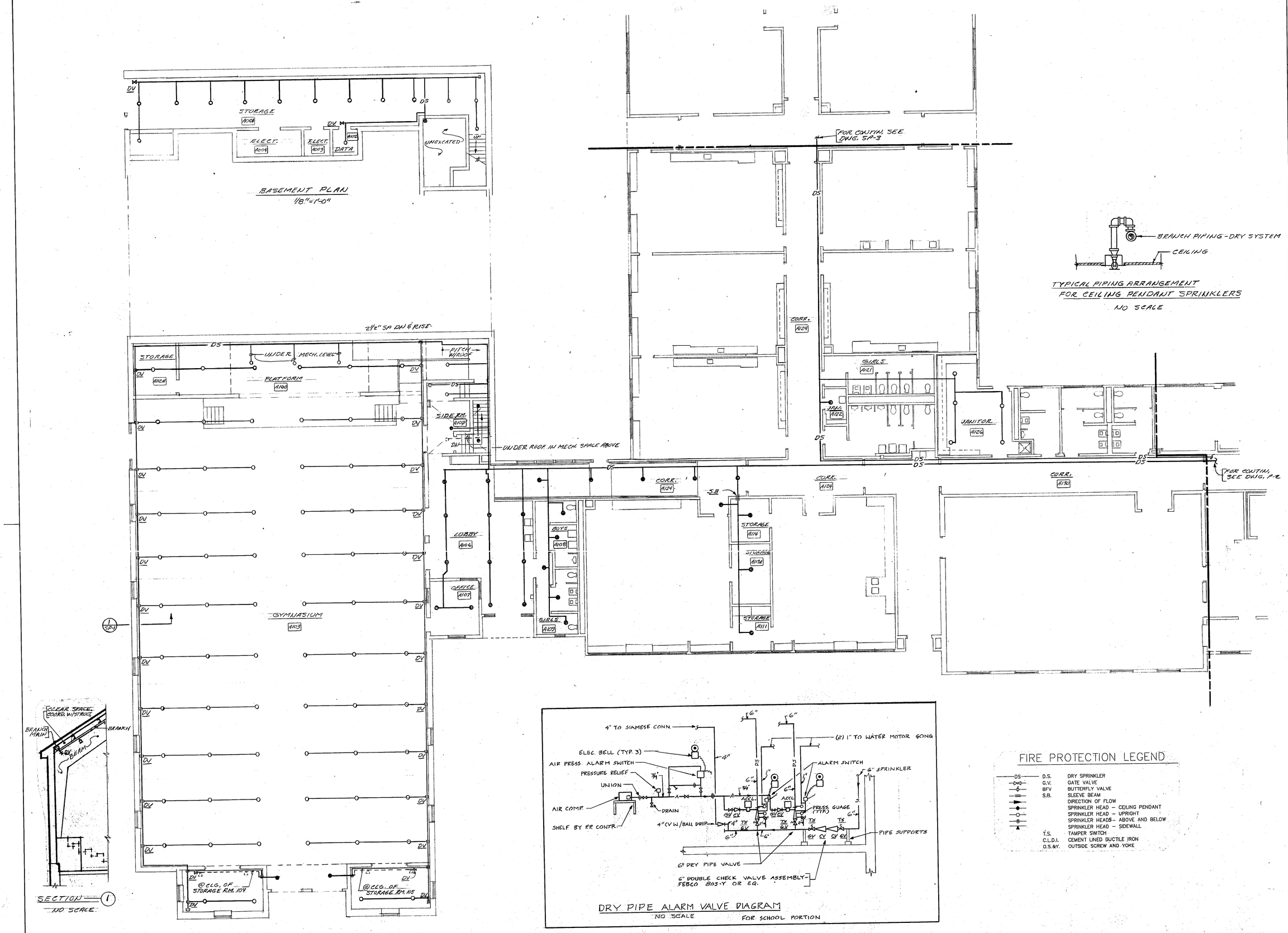
TITLE:
Holmes Library:
Plumbing Plan & Demolition

Date: SEPT 29, 1977 Drawn By: DJS
Scale: 1/8"=1'-0" Job No: 9008

SHEET:

P-6





FIRE PROTECTION LEGEND

—DS—	D.S.	DRY SPRINKLER
	G.V.	GATE VALVE
	BFV	BUTTERFLY VALVE
	S.B.	SLEEVE BEAM
		DIRECTION OF FLOW
		SPRINKLER HEAD – CEILING PENDANT
		SPRINKLER HEAD – UPRIGHT
		SPRINKLER HEADS – ABOVE AND BELOW
		SPRINKLER HEAD – SIDEWALL
	T.S.	TAMPER SWITCH
	C.L.D.I.	CEMENT LINED DUCTILE IRON
	O.S.&Y.	OUTSIDE SCREW AND YOKE

STAMP

COMMONWEALTH OF MASSACHUSETTS
EDWARD L. FITZENEYER
NO. 9247
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

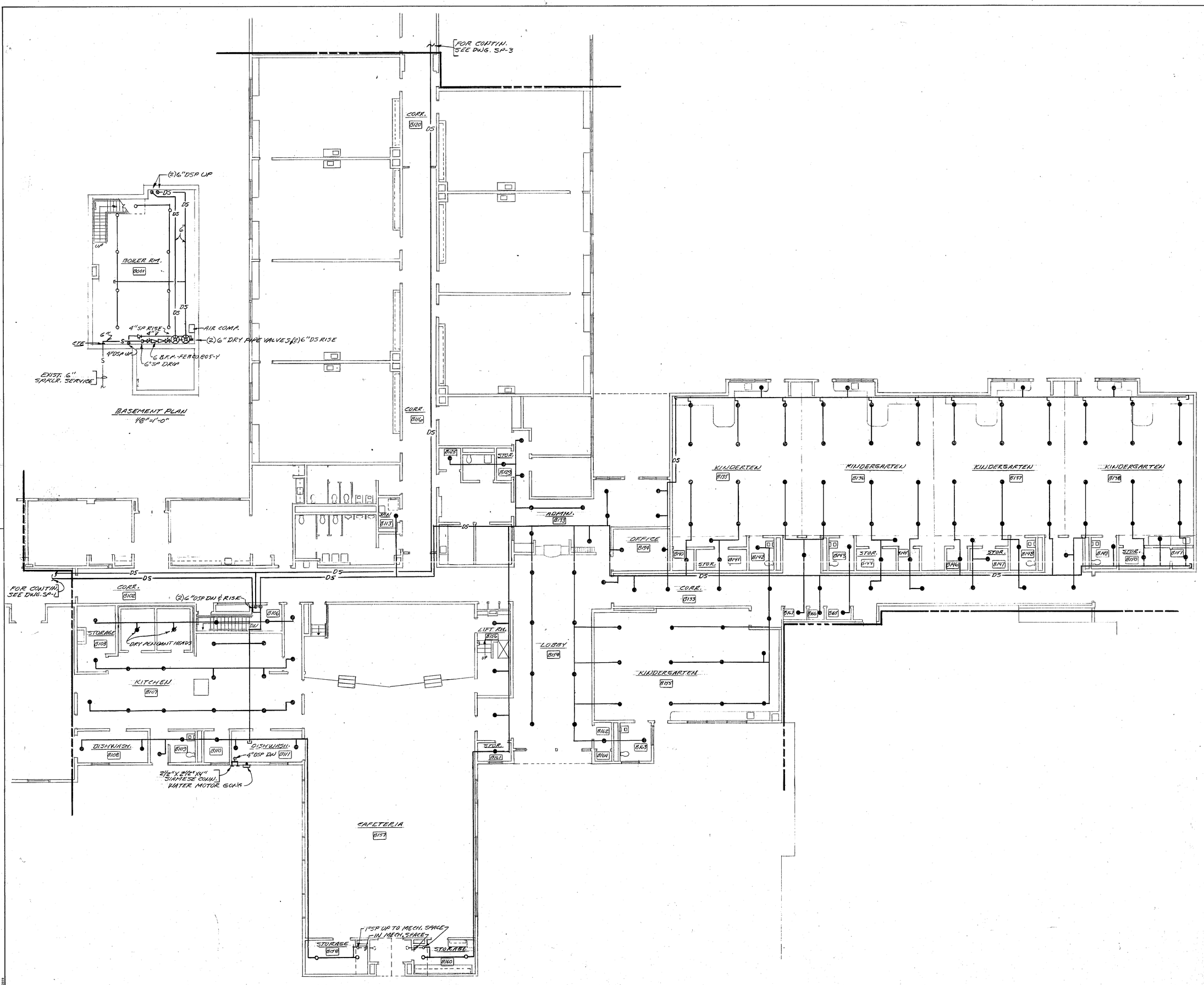
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing A: Sprinkler Plan

Date: SEPT 28 1992 Drawn By: D.C.
Scale: 1/8"=1'-0" Job No: 9008 / 9

SHEET:

SP-



STAMP

COMMONWEALTH OF MASSACHUSETTS
EDWARD L. FITZEMEYER
NO. 9247
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE

HALIFAX ELEMENTARY SCHOOL

AND RELOCATION OF THE

HALIFAX PUBLIC LIBRARY

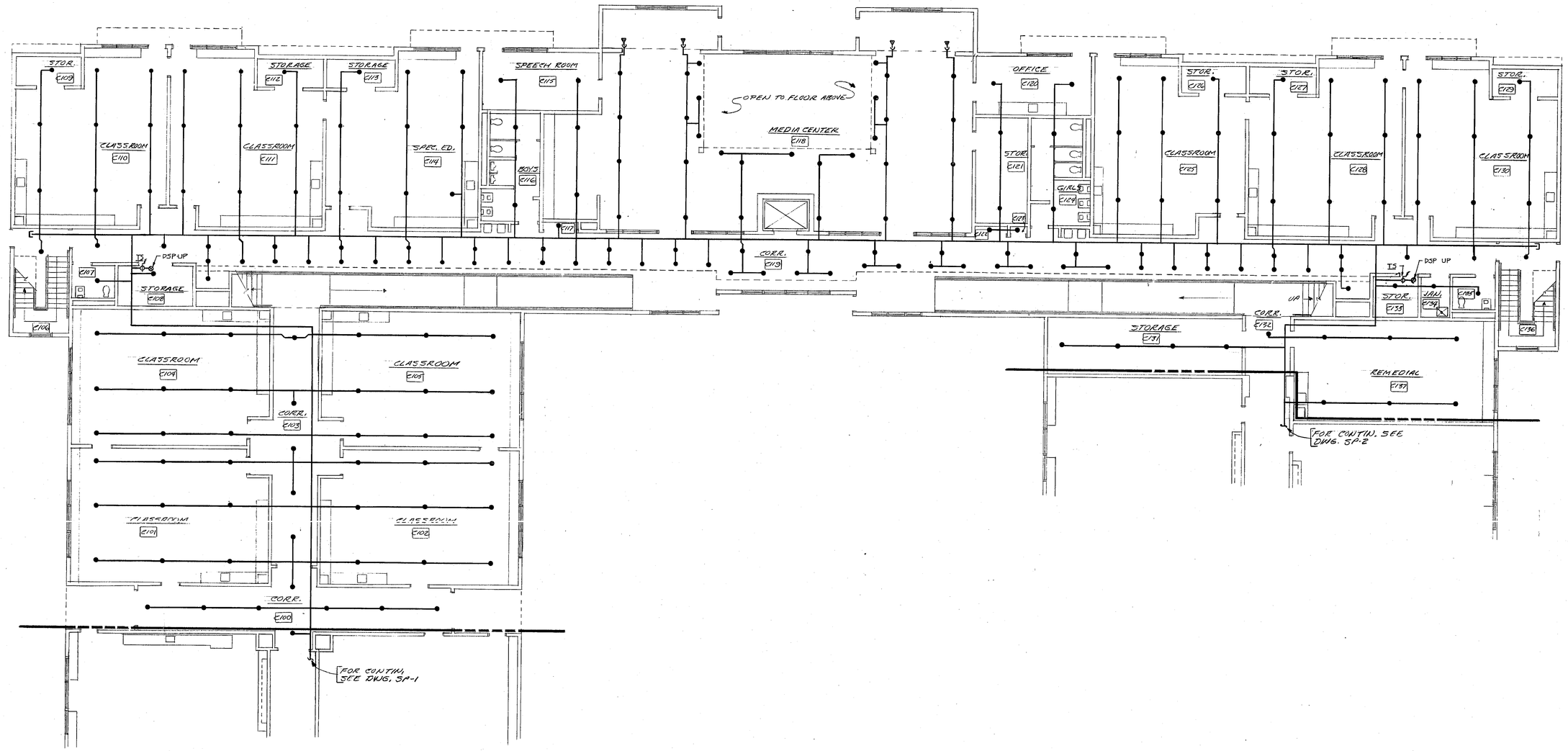
HALIFAX, MASSACHUSETTS

TITLE:
Wing B: Sprinkler Plan

Date: SEPT. 28, 1992 Drawn By: D.D.
Scale: 1/8"=1'-0" Job No: 9008/9

SHEET:

SP-2



STAMP

COMMONWEALTH OF MASSACHUSETTS
EDWARD L. FITZHEVER
NO. 9247
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

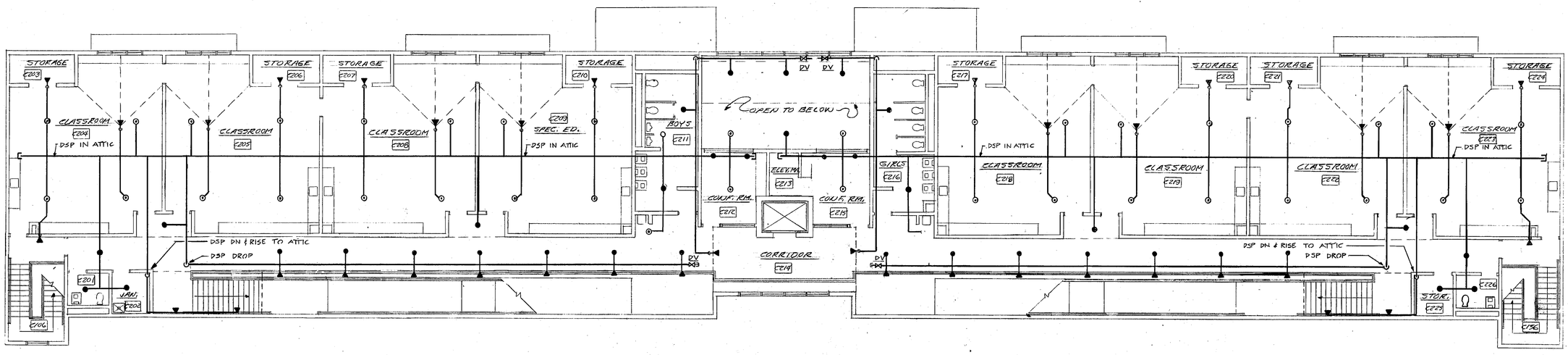
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing C: Lower Level
Sprinkler Plan

Date: SEPT. 25, 1992 Drawn By: D.D.S.
Scale: 1/8"=1'-0" Job No: 9008 / 9104

SHEET:

SP-3



STAMP

COMMONWEALTH OF MASSACHUSETTS
EDWARD L. FITZMEYER NO. 9367 REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE

HALIFAX ELEMENTARY SCHOOL

AND RELOCATION OF THE

HALIFAX PUBLIC LIBRARY

HALIFAX, MASSACHUSETTS

TITLE:

Wing C: Upper Level Sprinkler Plan

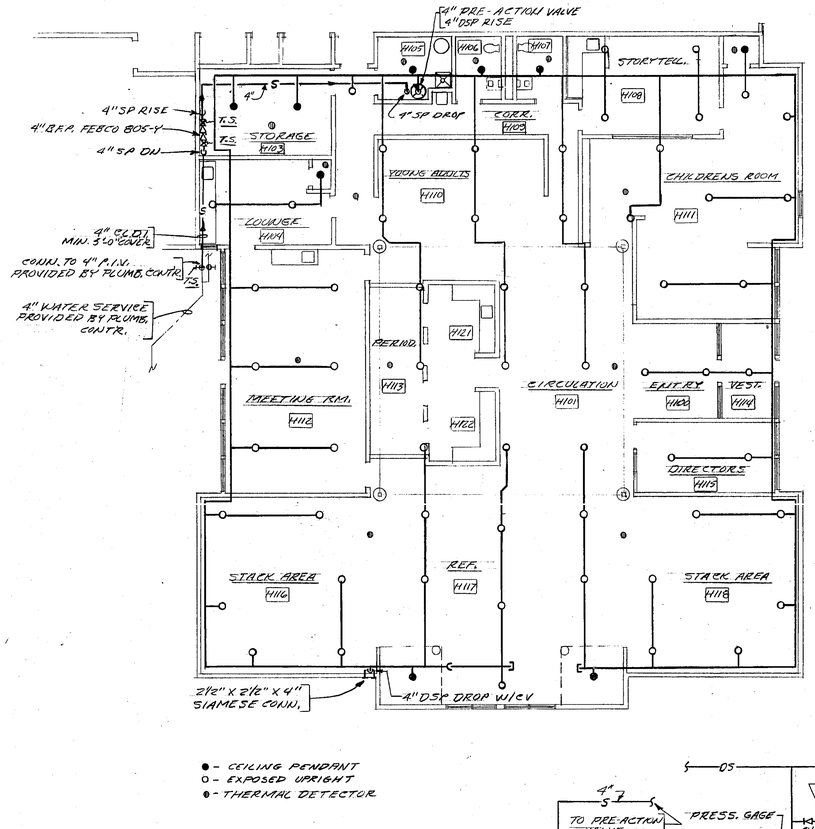
Date: SEPT. 25, 1992 Drawn By: D.D.

Scale: 1/8"=1'-0" Job No: 9008 / 910

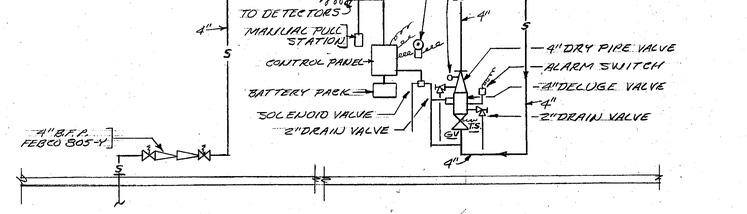
SHEET:

SP-4

TYPOTECH



● - CEILING PENDANT
○ - EXPOSED UPRIGHT
● - THERMAL DETECTOR



PRE-ACTION VALVE DIAGRAM
NO SCALE
LIBRARY PORTION

STAMP

COMMONWEALTH OF MASSACHUSETTS
EDWARD FITZGERALD MEYER
NO. 9247
REGISTERED
PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

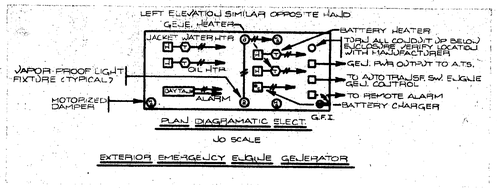
TITLE:
Holmes Library: Sprinkler Pla

Date: SEPT. 29, 1992 Drawn By: D.D.
Scale: 1/8"=1'-0" Job No: 9008 / 9

SHEET:

SP-

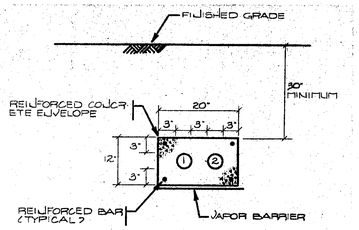
TYPOTECH



PLAN DIAGRAMATIC ELECT.

JO SCALE

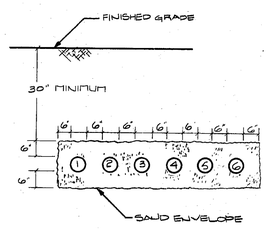
EXTERIOR EMERGENCY ENGINE GENERATOR



SECTION A-A

JO SCALE

1. 4" PVC SCHEDULE 40 CONDUIT PRIMARY 15 KV
2. 4" PVC SCHEDULE 40 CONDUIT SPARE

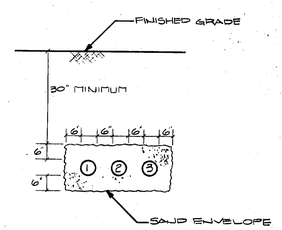


SECTION B-B

JO SCALE

1,2,3,4,5,4" RIGID GALV. CONDUIT WITH SECONDARY SERVICE CABLES (6 #600MCM & 1 #1/0 EACH)

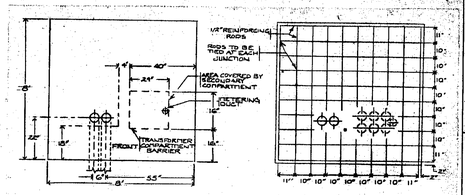
6. 4" RIGID GALV. CONDUIT SPARE

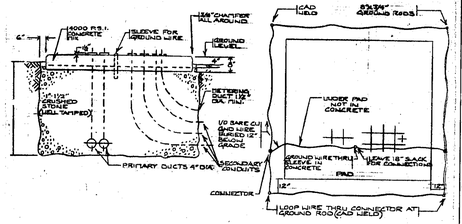


SECTION C-C

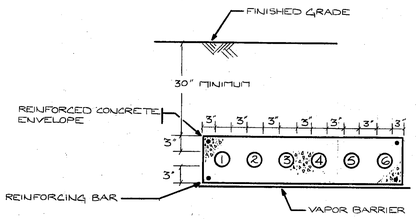
JO SCALE

1. 4" RIGID GALV. CONDUIT- TELEPHONE
2. 4" RIGID GALV. CONDUIT- CATV
3. 4" RIGID GALV. CONDUIT- SPARE



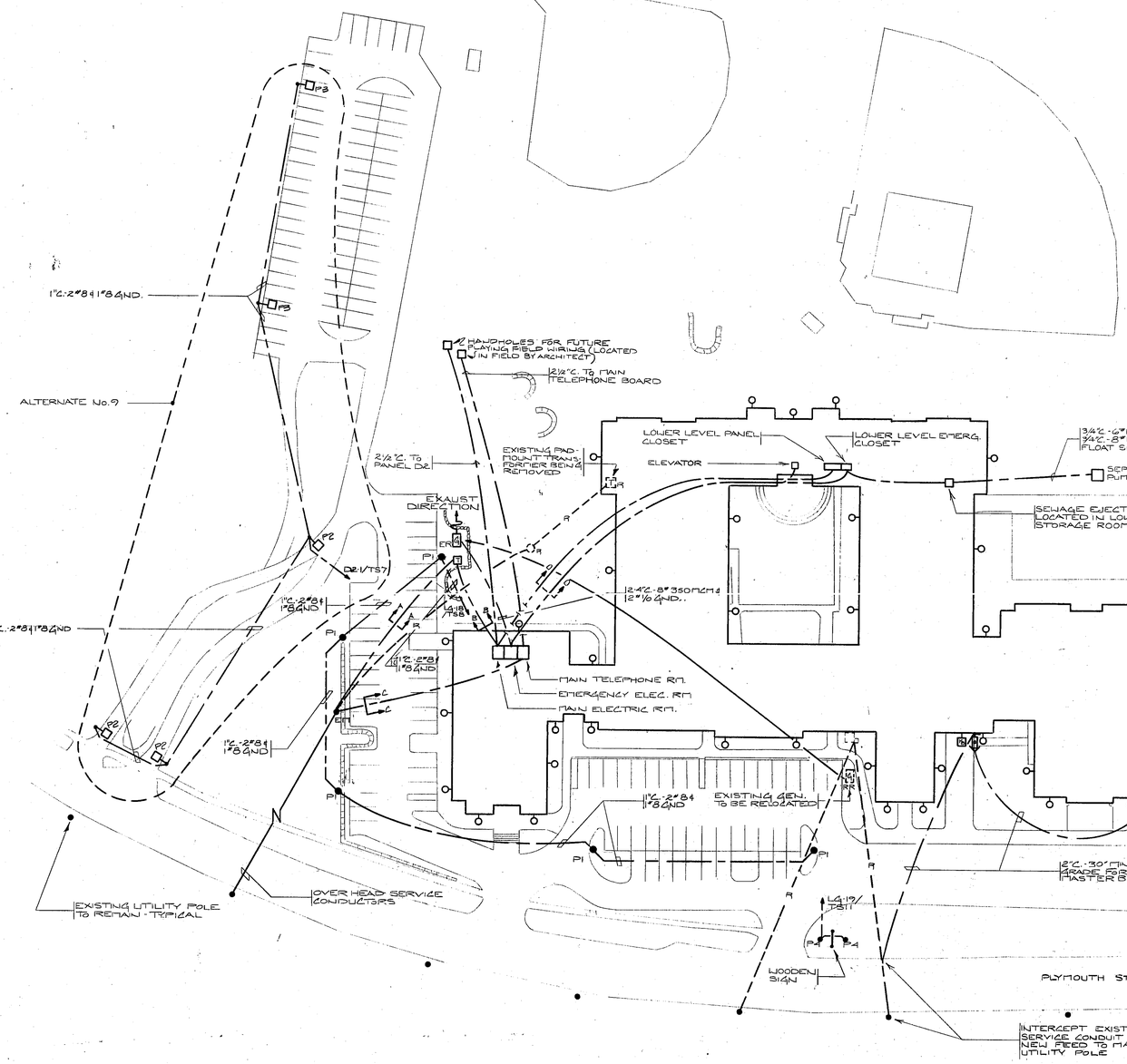


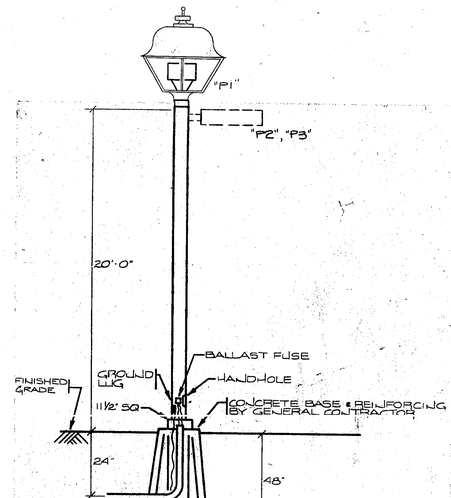
CONCRETE PAD FOR PAD-MOUNTED TRANSFORMER 500 KVA MIN. - 1500 KVA MAX



SECTION D-D

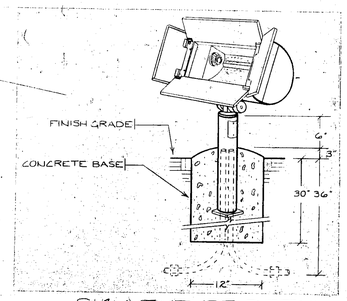
1. 2½" PVC SCHEDULE 40 CONDUIT- PANEL PC
2. 2½" PVC SCHEDULE 40 CONDUIT- PANEL LC
3. 2½" PVC SCHEDULE 40 CONDUIT- SPARE
4. 2½" PVC SCHEDULE 40 CONDUIT- PANEL EPC
5. 2" PVC SCHEDULE 40 CONDUIT- ELEVATOR
6. 2½" PVC SCHEDULE 40 CONDUIT- PANEL PCA





LIGHT STANDARD 'P' DETAIL

NOTE:
LUMINAIRE TYPE 'P3' TO BE MOUNTED ON 30'-0" HIGH POLE WITH BASE TO BE EMBEDDED TO 2'-0" DEEP 3'-0" SQUARE AT BOTTOM



SIGN FIXTURE DETAIL - P4

STAMP

COMMONWEALTH OF MASSACHUSETTS
CHARLES H. BENT
No. 24718
REGISTERED PROFESSIONAL ENGINEER

REVISIONS

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

McCarron Hufnagle & Bent Inc.
132 Lincoln Street
Boston, Ma.
Consulting Engineers
Electrical

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Electrical Site Plan & Details

Date: SEPT. 23, 1993 Drawn By: ATD
Scale: 1"=40'-0" Job No: 9008/9104

SHEET:
E-1

TYPOTECH

FIXTURE SCHEDULE

FURNISH AND INSTALL ALL FIXTURES COMPLETE WITH ACCESORIES TO MEET JOB CONDITIONS
REFER TO ARCHITECTURAL ROOM FINISH SCHEDULES AND DETAILS

BASIC FIXTURE LETTERS

MOUNTING	FLUORESCENT	EXIT SIGNS	INCAND. OR HID
RECESSED	FR	ER	R
CEILING	FC	EC	C
WALL	FW	EW	W
SUSPENDED AS DIRECTED BY ARCHITECT	FS	ER	S

	LETTER	MANUFACTURER	CATALOG NUMBER	LAMP NO.	LAMP WATTS	LAMP TYPE	VOLT	REMARKS
	FR1	LITHONIA	2SP4 3-32 A12 125 120 EB4LR	3	32	F032T8	120	2X4 GRID
	FR2	LITHONIA	2SP4 2-U32 A12 125 120 EB4LR	2	32	F032T8-U	120	2X2 GRID
	FR3	LITHONIA	AFI3TT7AR HPF	2	13	PL13	120	PL DOWN LIGHT W/EMERG. BALLAST
	FR4	LITHONIA	2P4 2-32 A12 125 120 EB4LR	2	32	F032T8	120	1X4 GRID
	FR5	LITHONIA	DFW13TT7ASL HPF	2	13	PL13	120	PL WALL WASHER
	FR6	LITHONIA	SPF2 32 A12 125 120 EB4LR	2	32	F032T8	120	1X4 FLANGE
	FC1	LITHONIA	C2 32 120 EB4LR	2	32	F032T8	120	4' STRIP
	FC2	LITHONIA	CA 232 AR 120 EB4LR	2	32	F032T8	120	4' CORRIDOR 2 LAMP WRAP
	FC3	LITHONIA	BTC 4 32 120 EB 4LR	4	32	F032T8	120	8' STRIP
	FW1	LITHONIA	C 2 32 120 EB4LR	2	32	F032T8	120	4' STRIP
	FW2	LITHONIA	WS 232 A12 125 120 EB4LR	2	32	F032T8	120	4' MIRROR
	FW3	LITHONIA	BTWS 432 A12 125 120 EB4LR	4	32	F032T8	120	8' MIRROR
	FW4	LITHONIA	LIC 1 32 A12 120 EB4LR	1	32	F032T8	120	4' ENCLOSED (CLOSET) 1 LAMP
	FW5	LITHONIA	LIC 2 32 A12 120 EB4LR	2	32	F032T8	120	4' STAIR
	FW6	LITHONIA	LIC 2 32 A12 120 EB4LR	2	32	F032T8	120	4' ENCLOSED (CLOSET) 2 LAMP
	FW7	LITHONIA	VR1 2/7TT 120 HPF 45	2	7	PL7	120	PL THUMB STONE
*	FS1	LIGHTCONTROL	P-ID 90-6 BT8 PARSS TW 120 ELB F	6	32	F032T8	120	L-90 8' FINISH BY ARCHITECT PROVIDE AIRCRAFT CABLE
*	FS2	LIGHTCONTROL	P-ID 90-3-4 T8 PARSS TW 120 ELB F	3	32	F032T8	120	L-90 4' FINISH BY ARCHITECT PROVIDE AIRCRAFT CABLE
	FS3	LITHONIA	BTC 4 32 120 EB4LR	4	32	F032T8	120	8' STRIP
	FS4	LITHONIA	C 2 32 120 EB4LR	2	32	F032T8	120	4' STRIP
	R1	LITHONIA	LAH 100M 11 RW T73	1	100	100W MH	120	100W MH DOWN LIGHT-W.P.-GRS
	R2	LITHONIA	LAH 70M 11 RW T73	1	70	70W MH	120	70W MH DOWN LIGHT
	R3	LITHONIA	LAH 100S 11 RW T73	1	100	100W HPS	120	100W HPS DOWN LIGHT
	R4	ELLIPTIPAR	M-204 0250 L02 A 00	1	250	250W MH	120	DOWN LIGHT
	C1	LITHONIA	C 2 32 120 EB4LR	2	32	F032T8	120	4' STRIP
*	C2	BENJAMIN	V-5642 1389	1	150	A21	120	SOCKET REFLECTOR UNIT
	C3	LEVITON	9875 2 CAGE	1	100	A19	120	PORCELAIN FIXTURE W/ CAGE
	WL1	STERNBERG	9558 BB 100MHTF LONG FOUNT	1	100	100MH	120	100W MH LANTERN / TYPE III REFRACTOR
*	WL2	LITHONIA	TWP100S 120 SF	1	100	100W HPS	120	100W HPS WALL PAK
	WL3	LITHONIA	VR2 120 45	1	100	A19	120	KITCHEN DOOR FIXTURE
*	WL4	LITHONIA	TWP100M 120 SF	1	100	100W MH	120	100W MH WALL PAK
*	WL5	LITHONIA	TP38 WH BD40 F40RR F40MB F40MG F40MA T4/B	1	250	Q250 PAR38	120	THEATRICAL SPOT (GYM)
*	WL6	LITHONIA	TWP100S 120 SF QRS	1	100	100W HPS	120	100W HPS W/QRS WALL PAK
*	WL7	LIGHTOLIER	G686	2	9	PL9	120	STAGE WALL LIGHT
	S1	LITHONIA	TE250MH 175 SF LDPP PPH-WH SCK	1	250	250W MH	208	250W MH HIGH BAY
	S2	LITHONIA	TE250MH 175 SF QRSTD LDPP PPH-WH SCK	1	250	250W MH	208	250W MH HIGH BAY-RESTRIKE
*	S3	BENJAMIN	V-5642 1389	1	150	A21	120	SOCKET REFLECTOR UNIT
*	S4	LITHONIA	T8 WH				120	8' TRACK
*	S5	LITHONIA	TP38 WH BD40 F40RR F40MB F40MG F40MA	1	250	Q250 PAR38	120	TRACK FIXTURE
	S6	VISA	TC1078 PB	21	40	40W CANDELABRA	120	CHANDELIER
	EC1	EMERGI-LITE	TP1 R VR FACDC	2	3	3W INC	120	SINGLE FACE "EXIT"
	EC2	EMERGI-LITE	TP2 R VR FACDC	2	3	3W INC	120	DOUBLE FACE "EXIT"
	EW1	EMERGI-LITE	TP1 R VR FACDC	2	3	3W INC	120	SINGLE FACE "EXIT"
	EW2	EMERGI-LITE	TP2 R VR FACDC	2	5	3W INC	120	DOUBLE FACE "EXIT"
*	P1	STERNBERG	9403 BB 250MH TF/ 25BT	1	250	250W MH	208	20' POLE LT. W/ LANTERN TOP 250W MH W/ TYPE IV REFRACTOR
*	P2	DEVINE	SEDH20-A 250MH 208V DSS/SSAG 20-A	1	250	250W MH	208	20' POLE LT. W/ 250 W MH
*	P3	DEVINE	SEDH20 400HPS A-208V DSS/ 675AG 30-A	1	400	400W HPS	208	30' POLE LT. W/ 400W MH
* **	P4	KIM	AFL3 70MH120SMFL-L3	1	70	70W MH	120	
	RS	KURT VERSEN	D7424	1	150	150R40SP	120	DOWN LIGHT
	RG	KURT VERSEN	D7424	1	150	150R40FL	120	DOWN LIGHT
	FR7	LITHONIA	2SP4 2U32 A12 125 120EL 4LR	2	32	F032T8-U	120	2X2 GRID FLURESCENT W/ EMERG. BALLAST
	EW4	EMERGI-LITE	TPWLRW BW-BM FACDC	2	3	3W INC	120	SELF CONTAINED EXIT SIGN WALL
	ES1	EMERGI-LITE	TPWLRW C FAC DC	2	3	3W INC	120	SELF CONTAINED EXIT SIGN PENDANT
	FW8	ALKCO	SFM1213 HPF RSW FUSE	2	13	F13T5	120	UNDER CABINET 4'
*	FW9	LITE CONTROL	LWD6GN28T8 48T8 PARSS EB-F	6	32	F032T8	120	DIRECT/INDIRECT 8'
*	FW10	LITE CONTROL	LWD6GN28T8 24T8 PARSS EB-F	6	25	F025T8	120	DIRECT/INDIRECT 6'
*	FW11	LITE CONTROL	LWD6GN14T8 24T8 PARSS EB-F	3	32	F032T8	120	DIRECT/INDIRECT 4'
*	FW12	LITE CONTROL	LWD6GN28T8 48 T8 PARSS EF-F	6	32	F032T8	120	DIRECT/INDIRECT-EMERGENCY 8'
*	FW13	LITE CONTROL	LWD6GN26T8 48T8 PARSS EF-F	6	25	F025T8	120	DIRECT/INDIRECT-EMERGENCY 6'
*	FW14	LITE CONTROL	LWD6GN14T8PARSS EB-F	3	32	F032T8	120	DIRECT 4'
*	FS5	LITE CONTROL	PSD6GN48T8 PBSS-EB-F	4	32	F032T8	120	DIRECT/INDIRECT 8'- PROVIDE AIRCRAFT CABLE
*	FS6	LITE CONTROL	PSD6GN46T8 PBSS-EB-F	2	25	F025T8	120	DIRECT/INDIRECT 6'- PROVIDE AIRCRAFT CABLE
*	FS7	LITE CONTROL	PSD6GN24T8 PBSS-EB-F	2	32	F032T8	120	DIRECT/INDIRECT 4'- PROVIDE AIRCRAFT CABLE
*	FS8	LITE CONTROL	PSD6GN48T8 PBSS-EB-F	4	32	F032T8	120	DIRECT/INDIRECT-EMERGENCY 8' PROVIDE AIRCRAFT CABLE
*	FS9	LITE CONTROL	SD6GN28T8PARSS EB-F	2	32	F032T8	120	DIRECT 8' PROVIDE AIRCRAFT CABLE
*	FS10	LITE CONTROL	SD6GN26T8PARSS EB-F	2	25	F025T8	120	DIRECT 6' PROVIDE AIRCRAFT CABLE
*	FS11	LITE CONTROL	P-ID-90-6-T8 PARSS-TW-120 EF/ELB-F	6	32	F032T8	120	L-90-8' WITH BODINE EMERG. BALLAST PROVIDE AIRCRAFT CABLE. FINISH BY ARCHITECT

* INDICATES COLOR BY ARCHITECT
** INDICATES, PROVIDE WITH STANTION MOUNT AND BARN DOOR SHIELD

MISCELLANEOUS

- LIGHTING AND/OR POWER PANELBOARD
- TERMINAL STRIP CABINET
- JUNCTION BOX
- MOTOR OUTLET
- DISCONNECT SWITCH - FUSED
- DISCONNECT SWITCH - UNFUSED
- PULL BOX
- AUTOMATIC THERMAL DETECTOR - "F" INDICATES FIXED TEMPERATURE TYPE
- MANUAL FIRE ALARM STATION - C UP 4'-0"
- FIRE ALARM SIGNALS (AUDIBLE & VISUAL) - C UP 6'8"
- SMOKE DETECTOR (REFER TO SPECIFICATIONS)
- PROJECTOR TYPE SMOKE DETECTOR (REFER TO SPECIFICATIONS)
- SMOKE DETECTOR IN SUPPLY AND RETURN AIR DUCTS - INSTALLED BY HVAC SUBCONTRACTOR - FURNISHED WIRED & CONNECTED BY ELECTRICAL SUBCONTRACTOR
- REMOTE TEST SWITCH (WITH INDICATOR LIGHT AND NAMEPLATE)
- FLAME DETECTOR
- DOOR HOLDER "DC" INDICATES DOOR CHECK REFER TO SPECIFICATIONS
- REMOTE INDICATOR LAMP (WITH NAMEPLATE)
- FIRE ALARM MASTER BOX
- YARD GONG
- TELEPHONE OUTLET - C UP 18" - PROVIDE 3/4" CONDUIT TO CABLE TRAY IN CORRIDOR CEILING
- TELEPHONE OUTLET - C UP 4'-0" - PROVIDE 3/4" CONDUIT TO CABLE TRAY IN CORRIDOR CEILING
- BELL TRANSFORMER
- DOORBELL PUSH BUTTON - "WP" INDICATES WEATHERPROOF - C UP 4'-6"
- DOORBELL
- SINGLE GANG ADJUSTABLE FLOOR BOX
- MAGNETIC CONTACTOR
- TIME SWITCH - TORK #B-7000Z
- PHOTOCONTROL
- CORRIDOR MOTION DETECTOR
- DOOR SWITCH MOUNTED IN DOOR FRAME
- DOOR ACCESS SYSTEM KEY PAD
- ROOM MOTION DETECTOR
- KNOX BOX
- SQUARE D #8501:C08:V20 REFER TO DETAIL ON E-11
- DRY TYPE TRANSFORMER
- SPEAKER & CLOCK UNIT - FLUSH MOUNTED
- WALL MOUNTED SPEAKER - FLUSH MOUNTED
- CEILING MOUNTED SPEAKER - FLUSH MOUNTED
- CLOCK - FLUSH MOUNTED
- PRIVACY SWITCH C UP 4'-0"
- RACEWAY COMPONENTS #RC 560 FLUSH WALL OUTLET, COMBINATION ELECTRIC (DUPLEX RECEPTACLE). VOICE, DATA, CCTV, TELEPHONE AND CATV. PROVIDE 2-1" CONDUITS FOR VOICE, DATA, CCTV, CCTV AND TELEPHONE TO CABLE TRAY IN CORRIDOR CEILING.
- RACEWAY COMPONENTS CARPET TYPE #RC 560 FLOOR FLUSH OUTLET, COMBINATION ELECTRIC (DUPLEX RECEPTACLE). VOICE, DATA, CCTV, TELEPHONE AND CATV. PROVIDE 2-1" CONDUITS FOR VOICE, DATA, CCTV, TELEPHONE AND CATV TO CABLE TRAY IN CORRIDOR CEILING.
- CABLE TRAY MOUNTED ABOVE CORRIDOR CEILING
- MICROPHONE OUTLET
- PROJECTOR OUTLET
- VOLUME CONTROL
- WIREMOLD G4000D - WITH TRANSITION TO CEILING ABOVE. PROVIDE 2-1" CONDUITS TO CABLE TRAY IN CORRIDOR FOR VOICE, DATA, CATV, CCTV AND TELEPHONE. PROVIDE GROMMETED OUTLETS ON WIREMOLD FOR SAME
- PROVIDE 1 1/2"C TO CABLE TRAY IN CORRIDOR FOR TELEVISION CAMERA.
- HOA 120 VOLT 20AMP HAND-OFF-AUTOMATIC SWITCH
- $_{P}$ SINGLE GANG PEDESTAL MOUNTED FLOOR OUTLET. DUPLEX 20A. #5362I
- $_{P}$ SINGLE GANG PEDESTAL MOUNTED HEAVY DUTY FLOOR OUTLET. REFER TO "SINGLE-HEAVY DUTY RECEPTACLES" FOR SIZES.
- $_{P}$ PEDESTAL MOUNTED JUNCTION BOX

RR INDICATES EXISTING TO BE REMOVED AND RELOCATED
ER INDICATES EXISTING RELOCATED
EM INDICATES EXISTING TO BE MAINTAINED
R INDICATES EXISTING TO BE REMOVED

GENERAL NOTES:

1. EXIT SIGNS SHALL BE PROVIDED WITH FLASHER UNITS AND WIRED TO THE FIRE ALARM SYSTEM PER A.D.A. CODE.
2. ALL WIRING IN EXISTING CORRIDORS NOT HAVING NEW WALL FINISHES SHALL BE INSTALLED CONCEALED IF POSSIBLE OR INSTALLED IN ROOMS OFF OF CORRIDOR AND POKED THROUGH AT THE EQUIPMENT LOCATIONS.
3. COORDINATE WITH ARCHITECT IN FIELD BEFORE DISTURBING ANY EXISTING FINISHES TO REMAIN.

SYMBOLS

LIGHT OUTLET AND FIXTURE - LETTER REFERS TO FIXTURE SCHEDULE

- CEILING - SURFACE OR SUSPENDED
- RECESSED
- WALL - BRACKET OR FLUSH
- FLUORESCENT
- EXIT SIGN
- NIGHTLIGHT
- FLOODLIGHT

EMERGENCY LIGHTING

- SURFACE WALL MOUNTED
- SURFACE CEILING MOUNTED
- RECESSED
- BATTERY UNIT

TUMBLER SWITCHES - C UP 4'-0" - CATALOG NO'S ARE HUBBELL

- $ SINGLE POLE - #1221-I
- $_{2}$ TWO POLE - #1222-I
- $_{3}$ THREE WAY - #1223-I
- $_{4}$ FOUR WAY - #1224-I
- $_{P}$ SINGLE POLE WITH PILOT LIGHT #1221 & RED JEWEL
- $_{T}$ SINGLE POLE WITH THERMAL ELEMENT
- $_{TM}$ MANUAL MOTOR STARTER WITH THERMAL ELEMENT
- $_{D}$ DIMMER SWITCH

KEY OPERATED SWITCHES - C UP 4'-0" - CATALOG NO'S ARE HUBBELL

- $_{K}$ SINGLE POLE - #1221-L
- $_{K3}$ THREE WAY - #1223-L
- $_{K4}$ FOUR WAY - #1224-L

CONVENIENCE OUTLET - C UP 18" - CATALOG NO'S ARE HUBBELL REFER TO ARCHITECTURAL ELEVATIONS

- DUPLEX 20A. - #5362-I
- DUPLEX 20A. - MOUNTED ABOVE COUNTER - #5362-I
- DUPLEX 20A. - GROUND FAULT INTERRUPTING - #GF-5362-I
- DUPLEX 20A. - WEATHERPROOF WITH LOCKING CAP
- DOUBLE DUPLEX - (2) #5362-I
- DUPLEX 20A. - ISOLATED GROUND - #IG-5392
- DUPLEX 15A. - SAFETY - #SG-62-H
- SCOREBOARD OUTLET

SINGLE - HEAVY DUTY RECEPTACLES

- 125 VOLT, 30 AMP, 2 POLE, 3 WIRE
- 250 VOLT, 30 AMP, 2 POLE, 3 WIRE
- 250 VOLT, 20 AMP, 2 POLE, 3 WIRE
- 250 VOLT, 50 AMP, 2 POLE, 3 WIRE
- 120/240 VOLT, 50AMP, 3POLE, 4WIRE

COMBINATION FUSED DISCONNECT SWITCH AND MAGNETIC ACROSS-THE-LINE MOTOR STARTER WITH PILOT. REFER TO SPECIFICATIONS FOR AUTO TRANSFER, Y - Δ TYPE. VERIFY MOTOR SPEEDS.

- WITH HAND-OFF-AUTO SELECTOR SWITCH
- WITH START-STOP PUSH BUTTONS
- LESS CONTROLS
- TWO SPEED

CONDUIT RUNS (REFER TO SPECIFICATIONS) MINIMUM 3 #12 (3/4") NO COMMON NEUTRALS

- CONCEALED
- FLEXIBLE
- — E — EMERGENCY
- L1-1,2 HOMERUN TO PANELBOARD, PANEL L1 CIRCUITS 1 & 2 - SEPARATE NEUTRAL
- TURNING UP
- TURNING DOWN

DEVICES FURNISHED BY OTHERS - INSTALLED, WIRED AND CONNECTED BY ELECTRICAL SUBCONTRACTOR

- MOTOR STARTER AND/OR CONTROL SWITCH
- THERMOSTAT
- AQUASTAT
- PRESSURE ELECTRIC SWITCH
- ELECTRIC PRESSURE SWITCH
- SOLENOID VALVE
- FLOW SWITCH
- TAMPER SWITCH
- MOTORIZED DAMPER

STAMP

COMMONWEALTH OF MASSACHUSETTS
CHARLES H. BENT
No. 24718
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

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HALIFAX, MASSACHUSETTS

TITLE:
Electrical Symbol List & Schedule

Date: SEPT. 23, 1992 Drawn By: TJH
Scale: NO SCALE Job No: 9008 / 91

SHEET:

E-2

TYPOTECH

PORTABLE CLASS ROOMS

DISCONNECT AND REMOVE EXISTING ELECTRIC SERVICE & ALL WIRING AND EQUIPMENT INTERCONNECTED WITH SCHOOL BUILDING. PORTABLE CLASSROOMS TO BE DEMOLISHED BY GEN. CONTRACTOR

TYPICAL CLASS ROOM FEED TO REMAIN FOR RECONNECTION TO NEW UNIT VENTILATOR

UNIT HEATER

ANTENNA ON ROOF

TELEPHONE PEDESTAL

DISCONNECT AND REMOVE ALL WIRING & EQUIPMENT TO POINT OF ORIGIN

DISCONNECT AND REMOVE MOTOR STARTERS FOR ROOF TOP EQUIPMENT BEING REPLACED

DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES

DISCONNECT AND REMOVE EXISTING BOILER ROOM PANELS

EXISTING WATER HEATERS

PANEL DU

CT CABINET

MAIN DISCONNECT

ATS

OLD CT CABINET

PANEL DL

F.A. DISCONNECT

TELEPHONE CAB

FIRE ALARM CONTROL PANEL

DISCONNECT AND REMOVE EXISTING ELECTRIC SERVICE INCLUDING TRANSFORMER

DEMOLITION NOTES:

1. THIS DEMOLITION IS PROVIDED FOR CONVENIENCE ONLY. DISCONNECT AND REMOVE TO POINT OF ORIGIN ALL EXISTING ELECTRICAL OUTLETS, DEVICES, EQUIPMENT AND LIGHTING FIXTURES NOT USED IN FINAL ARRANGEMENT.
2. EQUIPMENT SHOWN DOTTED IS EXISTING TO BE REMOVED TO POINT OF ORIGIN. REFER TO ARCHITECTURAL, STRUCTURAL, HVAC, PLUMBING AND FIRE PROTECTION DRAWINGS FOR COORDINATION OF DEMOLITION WORK.
3. ALL OTHER EQUIPMENT TO BE REMOVED MUST BE VERIFIED DURING BID WALK.

NOTES:

1. DISCONNECT AND REMOVE ALL EXIST. FIRE ALARM DEVICES & WIRING TO POINT OF ORIGIN
2. DISCONNECT AND REMOVE ALL EXIST. SECURITY ALARM DEVICES AND WIRING TO POINT OF ORIGIN
3. DISCONNECT AND REMOVE ALL EXIST. EMERGENCY BATTERY LIGHTING EQUIPMENT AND WIRING TO POINT OF ORIGIN
4. DISCONNECT AND REMOVE ALL EXISTING EXIT SIGN EQUIPMENT AND WIRING TO POINT OF ORIGIN

STAMP

COMMONWEALTH OF MASSACHUSETTS
CHARLES H. BENT
No. 24718
REGISTERED PROFESSIONAL ENGINEER
Charles H. Bent

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

McCarron Hufnagle & Bent Inc.
132 Lincoln Street Boston, Ma.
Consulting Engineers Electrical

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

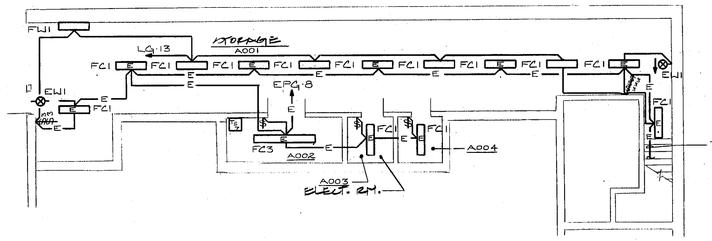
TITLE:
Existing School Building Electrical Demolition Plan

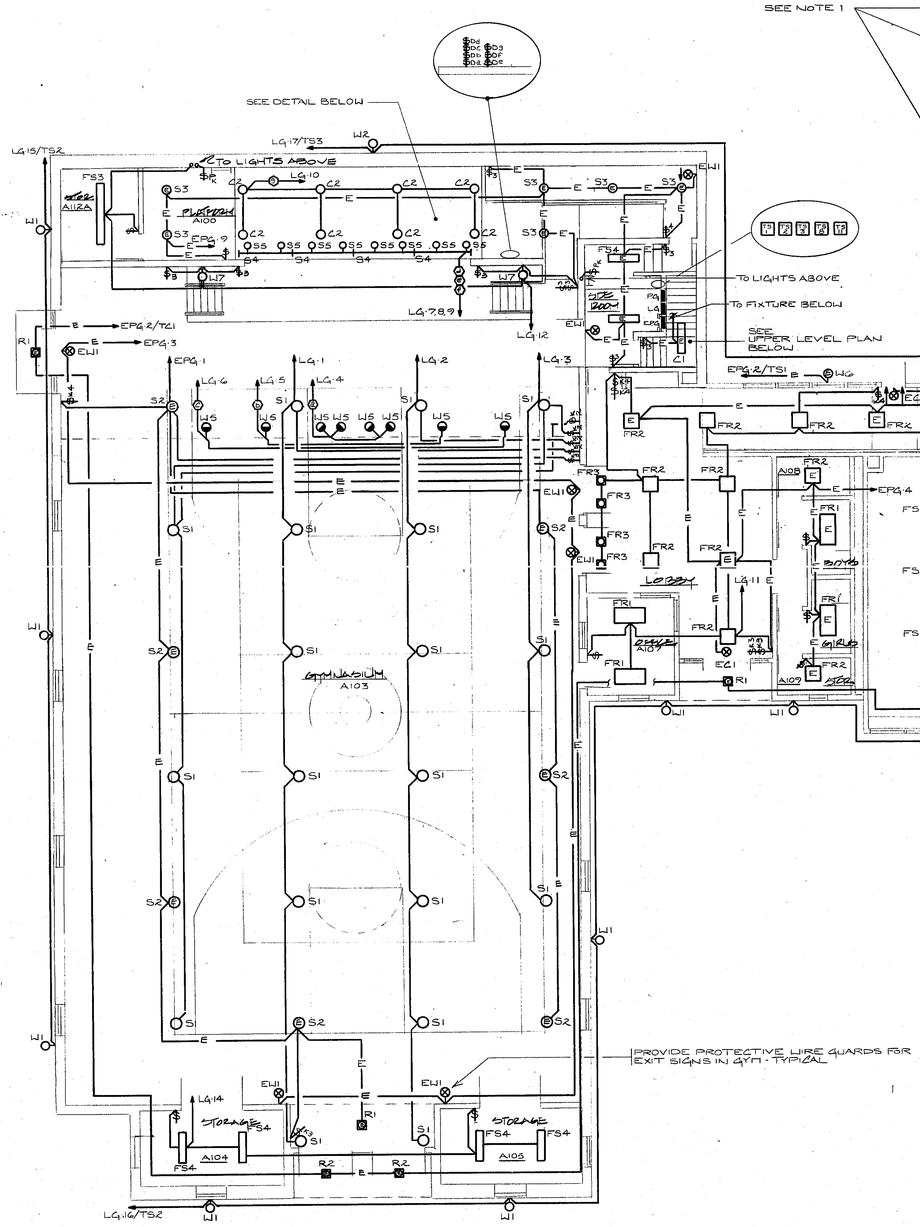
Date: SEPT. 25 1992 Drawn By: ATT
Scale: 1/8"=1'-0" Job No: 9008/910

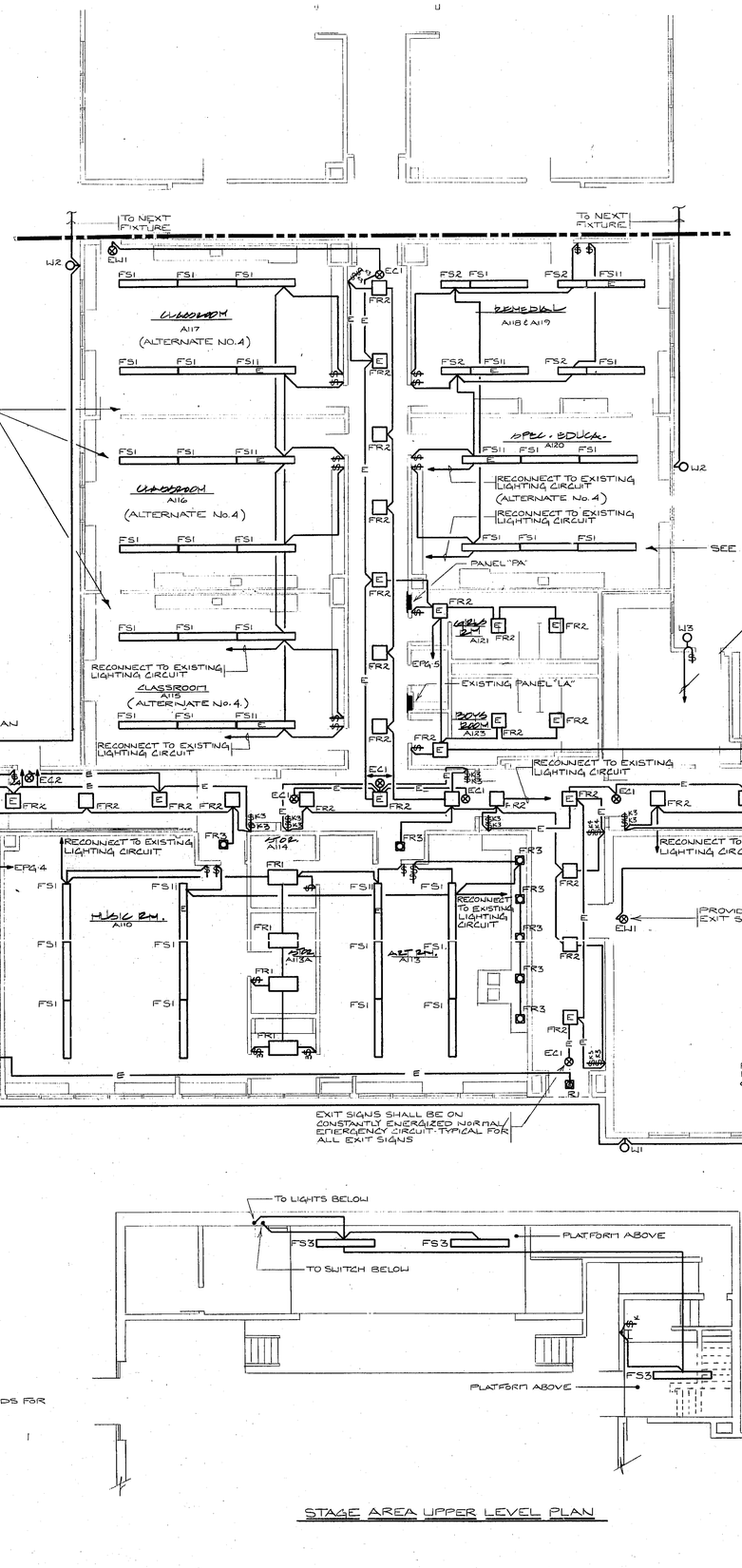
SHEET:
E-3

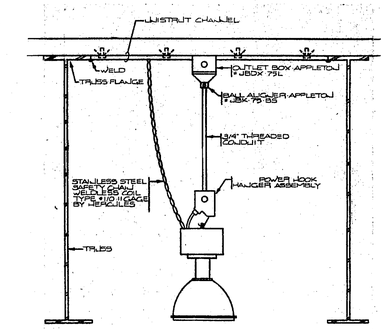
TYPOTECH

91010









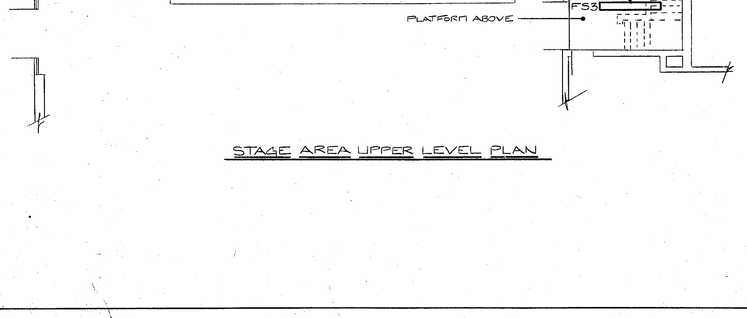
TYPICAL LIGHT DETAIL OF FIXTURES "S1" & "S2"

NOT TO SCALE

NOTE: COORDINATE WITH ARCHITECT IN FIELD

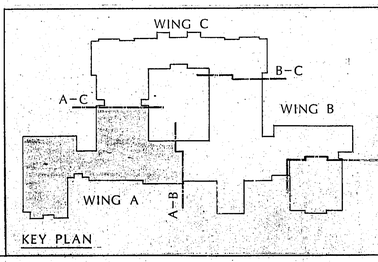
DIMMER SCHEDULE - GYM

LETTER	LOCATION	STRAND NO.
a	GYM SPOTS	NTV-1000
b	GYM SPOTS	NTV-600
c	GYM SPOTS	NTV-600
d	TRACK LIGHTS	NTV-1500
e	TRACK LIGHTS	NTV-1500
f	TRACK LIGHTS	NTV-1500
g	STAGE LIGHTS	NTV-1500



STAGE AREA UPPER LEVEL PLAN

NOTE #1: BASE BID - PROVIDE 6 WHITE FLAT CANOPY COVER PLATES ON EXISTING CEILING OUTLETS NOT BEING USED IN EACH CLASSROOM



STAMP

COMMONWEALTH OF MASSACHUSETTS
CHARLES H. BENT
No. 24718
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

McCarron Hufnagle & Bent Inc.
132 Lincoln Street Boston, Ma.
Consulting Engineers Electrical

ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

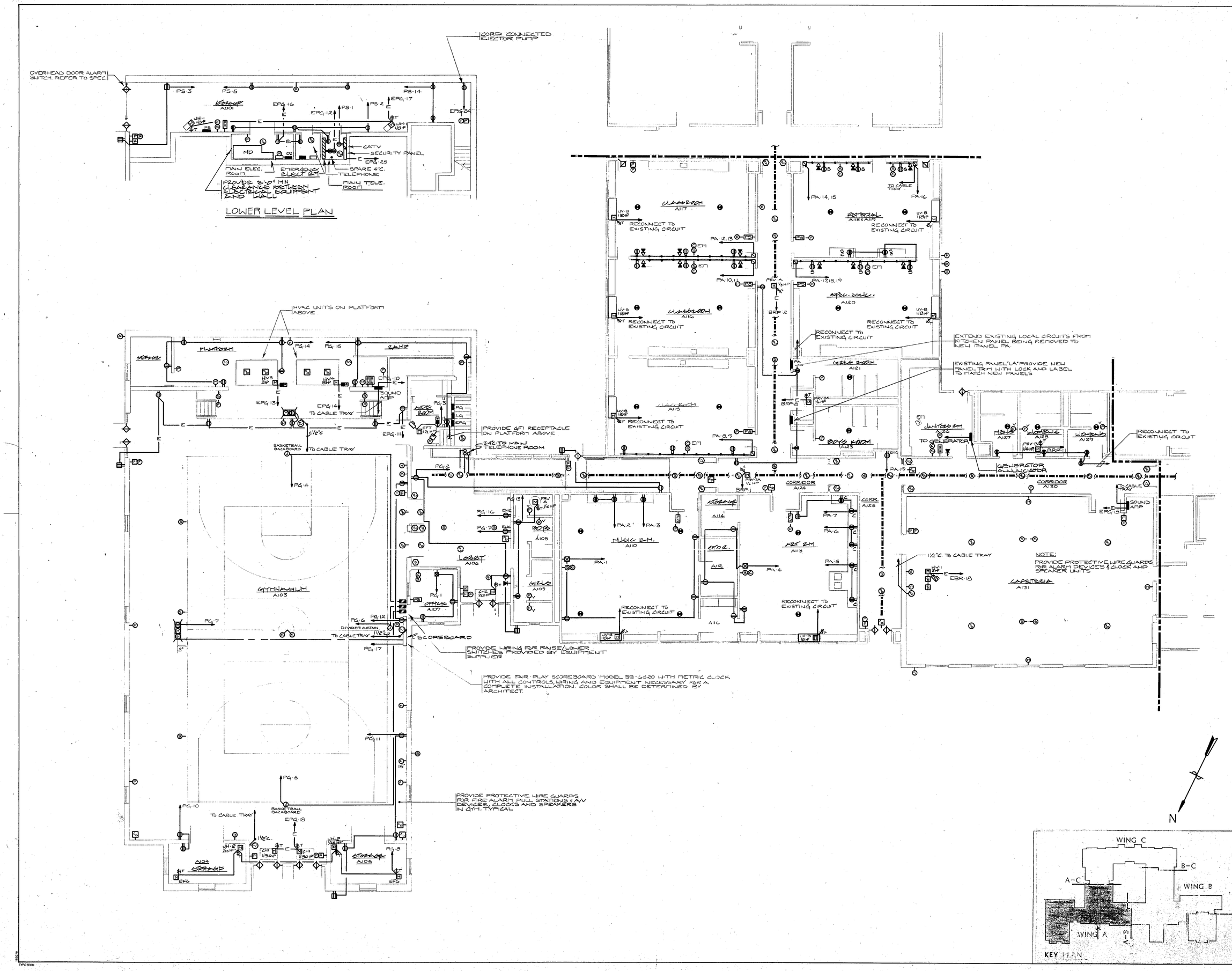
TITLE:
Wing A: Lighting Plan

Date: SEPT. 29 1992 Drawn By: ATI
Scale: 1/8"=1'-0" Job No: 9008/93

SHEET:
E-4

TYPOTECH

91010



STAMP

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CHARLES H. BENT
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REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
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Consulting Engineers Electrical

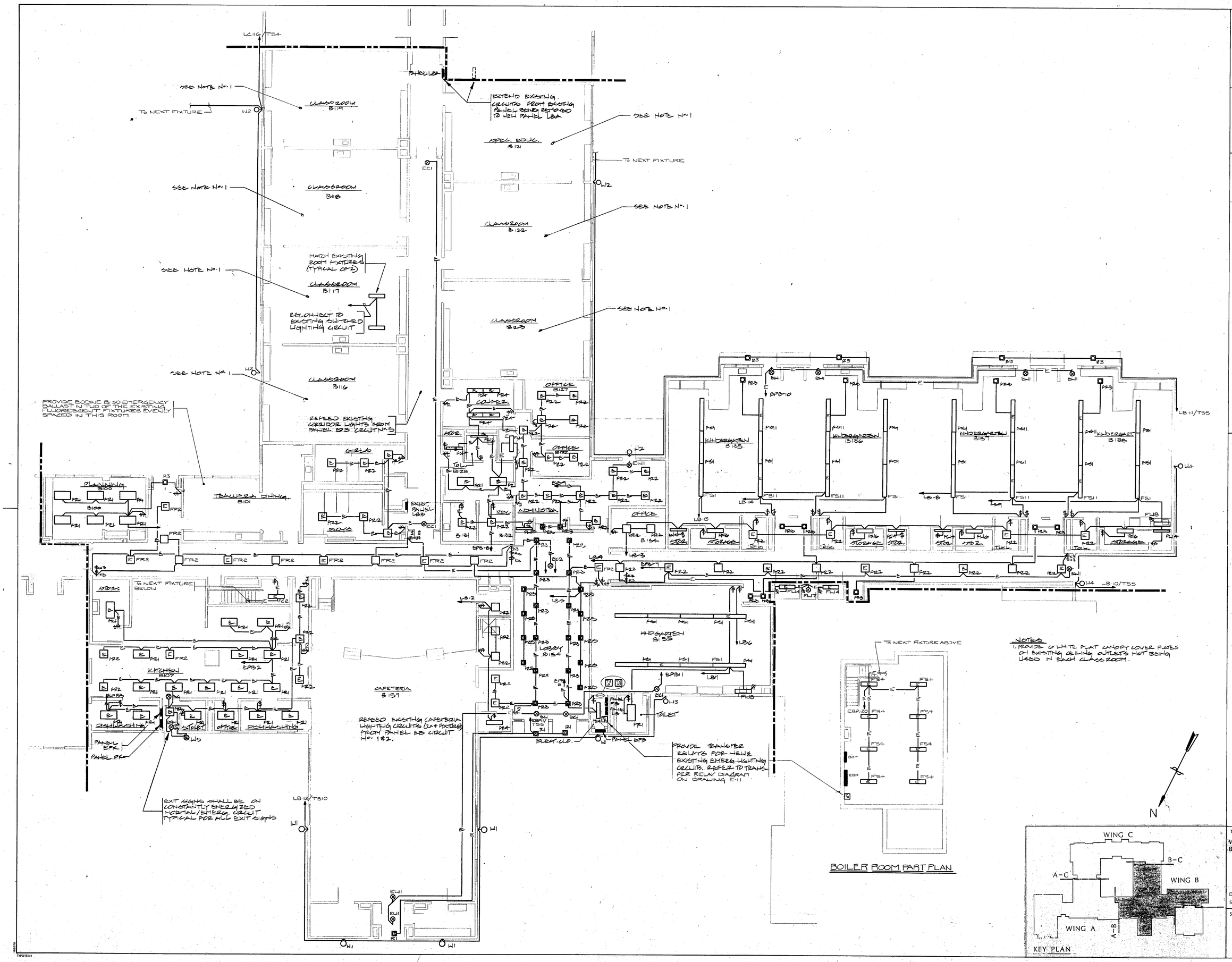
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing A: Power Plan

Date: SEPT. 23 1992 Drawn By: ATD
Scale: 1/8"=1'-0" Job No: 9008 / 91

SHEET:
E-5

91010



NOTES
1. PROVIDE 6 WHITE FLAT CANOPY COVER PLATES ON EXISTING CEILING OUTLETS NOT BEING USED IN EACH CLASSROOM.

STAMP

CHARLES H. BENT No. 24716 REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

McCarron Hufnagle & Bent Inc.
132 Lincoln Street Boston, Ma.
Consulting Engineers Electrical

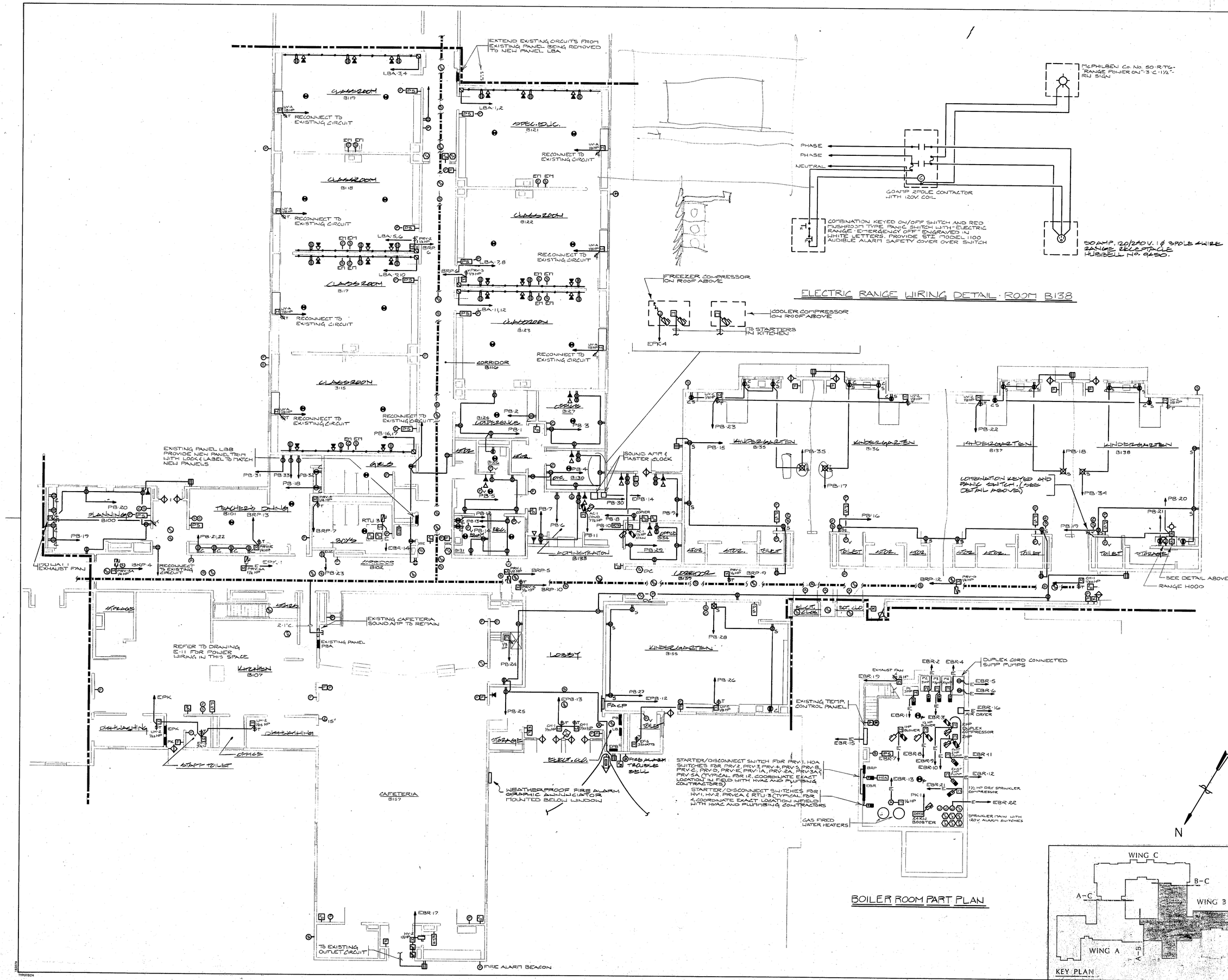
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

TITLE:
Wing B: Lighting Plan & Boiler Room Part Plan

Date: SEPT 23, 1992 Drawn By: ATD
Scale: 1/8"=1'-0" Job No: 9008/910

SHEET:
E-6

91010


EXTEND EXISTING CIRCUITS FROM EXISTING PANEL BEING REMOVED TO NEW PANEL LBA
LBA-3,4
CLASSROOM B119
RECONNECT TO EXISTING CIRCUIT
LBA-1,2
KIDERGARTEN B121
CLASSROOM B118
LBA-5,6
CLASSROOM B122
LBA-7,8
CLASSROOM B117
LBA-9,10
CLASSROOM B123
LBA-11,12
CORRIDOR B110
CLASSROOM 3115
B124 LOBBY
B127 OFFICE
PB-1
PB-2
PB-3
PB-4
PB-5
B130
B131
B132
B134
B135 KINDERGARTEN
B136 KINDERGARTEN
B137 KINDERGARTEN
B138 KINDERGARTEN
PB-15
PB-16
PB-17
PB-18
PB-19
PB-20
PB-21
PB-22
PB-23
PB-24
PB-25
PB-26
PB-27
PB-28
PB-30
PB-31
PB-32
PB-33
PB-34
PB-35
EXISTING PANEL L8B PROVIDE NEW PANEL TRIM WITH LOCK & LABEL TO MATCH NEW PANELS
PLANNING B100
TEACHER'S DINING B101
BOYS B102
GIRLS
LOBBY B137
STOR.
TOILET
KITCHEN B107
STORAGE
DISHWASHING
OFFICE
STAFF TOILET
CAFETERIA B157
ELEV. MD.
EXISTING CAFETERIA SOUND AMP TO REMAIN
EXISTING PANEL P8A
REFER TO DRAWING E-11 FOR POWER WIRING IN THIS SPACE
SOUND AMP & MASTER CLOCK
FIRE ALARM TROUBLE BELL
WEATHERPROOF FIRE ALARM GRAPHIC ANNUNCIATOR MOUNTED BELOW WINDOW
TO EXISTING OUTLET CIRCUIT
FIRE ALARM BEACON
LOBBY
EXISTING TEMP. CONTROL PANEL
STARTER/DISCONNECT SWITCH FOR PRV-1, HOA SWITCHES FOR PRV-2, PRV-3, PRV-4, PRV-5, PRV-B, PRV-C, PRV-D, PRV-E, PRV-1A, PRV-2A, PRV-3A, PRV-5A (TYPICAL FOR 12, COORDINATE EXACT LOCATION IN FIELD WITH HVAC AND PLUMBING CONTRACTORS)
STARTER/DISCONNECT SWITCHES FOR HV-1, HV-2, PRV-2A & RTU-3 (TYPICAL FOR 4, COORDINATE EXACT LOCATION IN FIELD WITH HVAC AND PLUMBING CONTRACTORS
GAS FIRED WATER HEATERS
EXHAUST FAN EBR-19
DUPLEX CORD CONNECTED SUMP PUMPS
EBR-2 EBR-4 EBR-5 EBR-6 EBR-16 AIR DRYER
EBR-1 EBR-3 EBR-8 EBR-9 EBR-10 EBR-11 EBR-12 EBR-13 EBR-21 EBR-22
EBR-15
2 HP DUPLEX COMPRESSOR
½ HP DRY SPRINKLER COMPRESSOR
SPRINKLER MAIN WITH 120 V. ALARM SWITCHES
BOILER ROOM PART PLAN
EXHAUST FAN EBR-14
RTU-3
HV-1 HV-2
EPK-1
EPK-4
EPK
BRP-1 BRP-2 BRP-3 BRP-4 BRP-5 BRP-7 BRP-9 BRP-10 BRP-12 BRP-13
EPB-12 EPB-13 EPB-14
FA-CP
DC
LB
PS
PK-1
PK-2
PK-3
PK-4
PK-5
PK-6
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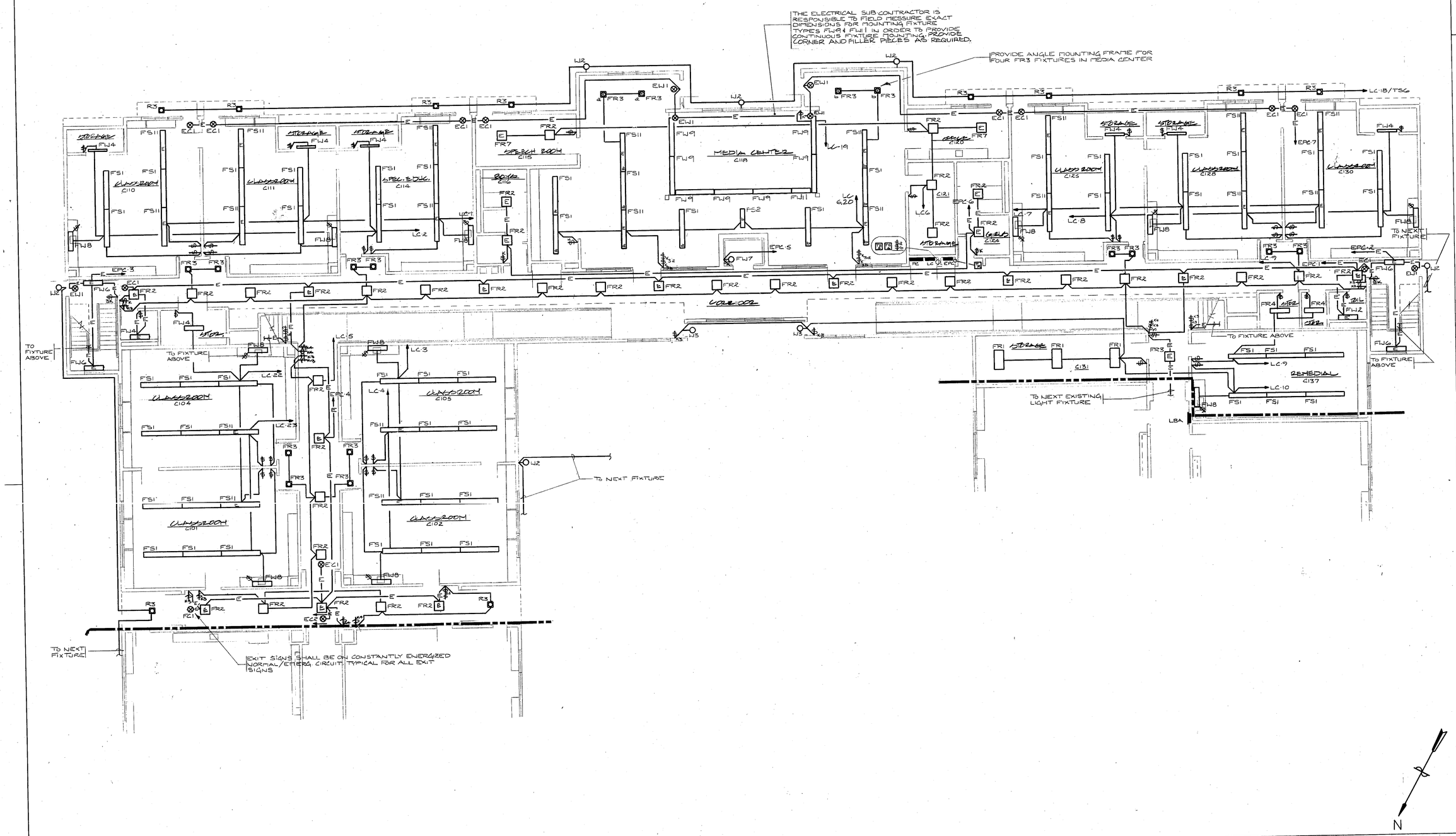
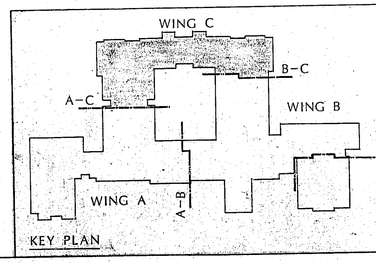
PK-40

91010





STAMP

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

McCarron Hufnagle & Bent Inc.
132 Lincoln Street Boston, Ma.
Consulting Engineers Electrical

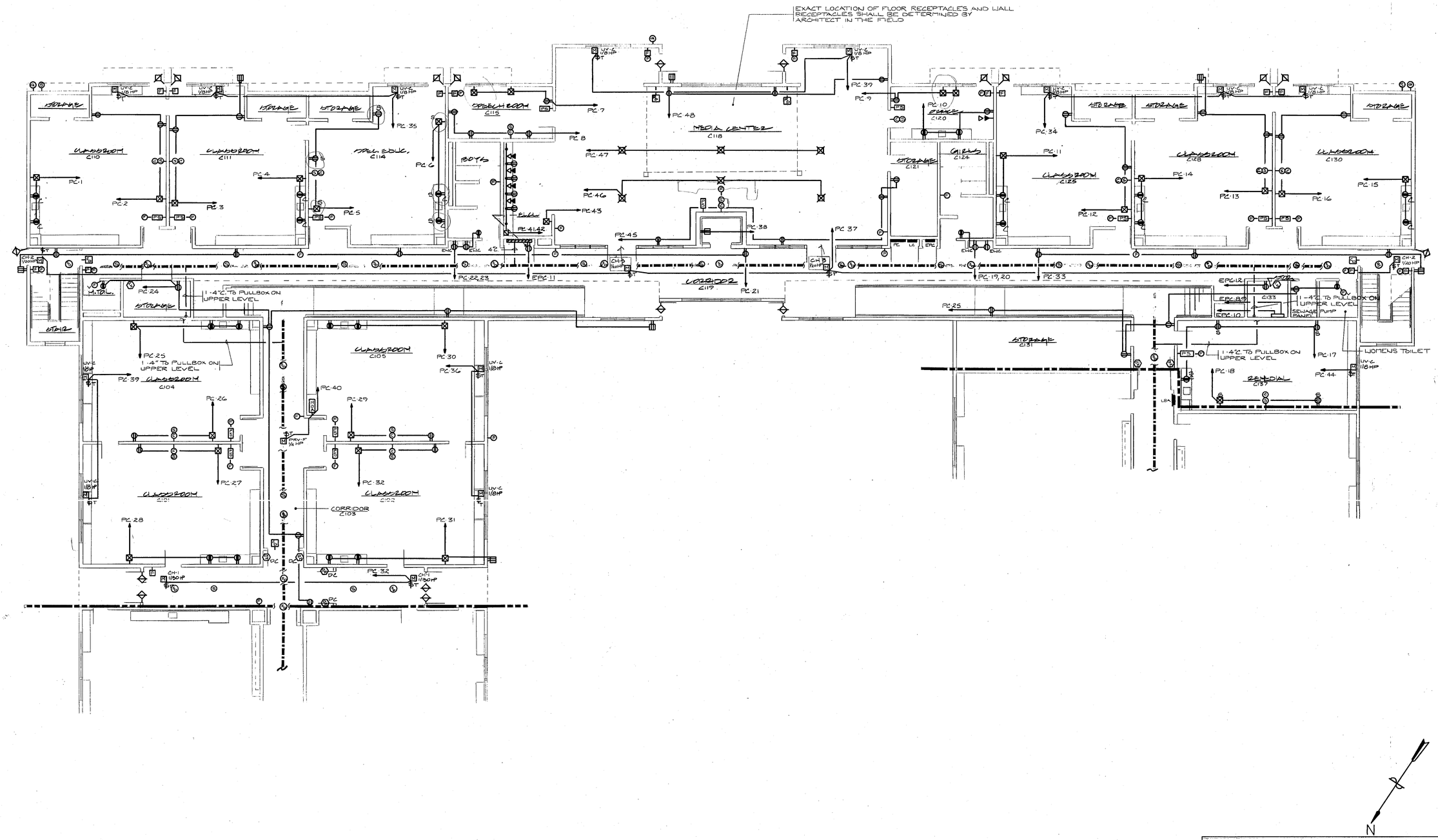
ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

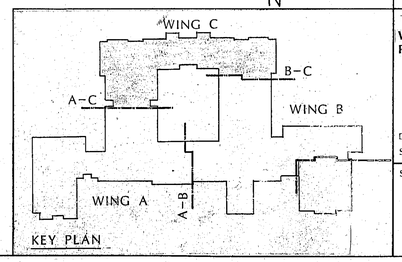
TITLE:
Wing C: Lower Level Lighting Plan

Date: SEPT. 23, 1992 Drawn By: A
Scale: 1/8"=1'-0" Job No: 9008 /

SHEET:

E-





STAMP:

REVISIONS:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

McCarron Hufnagle & Bent Inc.
132 Lincoln Street Boston, Ma.
Consulting Engineers Electrical

ADDITION AND RENOVATIONS TO THE

HALIFAX ELEMENTARY SCHOOL

AND RELOCATION OF THE

HALIFAX PUBLIC LIBRARY

HALIFAX, MASSACHUSETTS

TITLE:
Wing C: Lower Level Power Plan

Date: SEPT. 23, 1992 Drawn By: ATC
Scale: 1/8"=1'-0" Job No: 9008 / 91

SHEET:

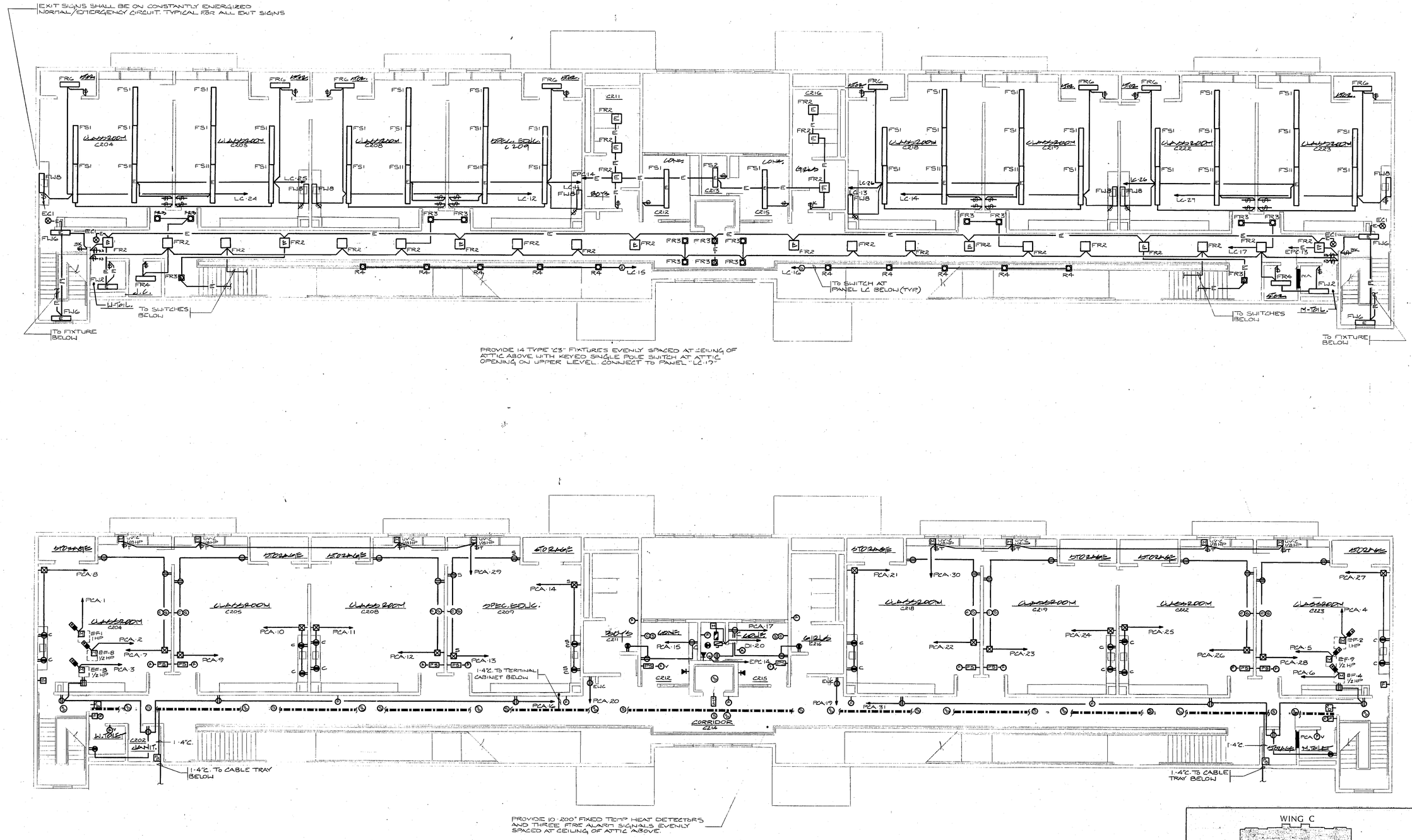
E-9

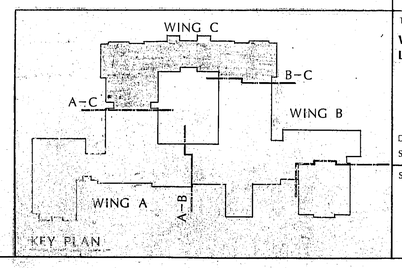
91010

STAMP

CHARLES H. BENT No. 24718 REGISTERED PROFESSIONAL ENGINEER

REVISIONS:





N

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

McCarron Hufnagle & Bent Inc.
132 Lincoln Street Boston, Ma.
Consulting Engineers Electrical

ADDITION AND RENOVATIONS TO THE

HALIFAX ELEMENTARY SCHOOL

AND RELOCATION OF THE

HALIFAX PUBLIC LIBRARY

HALIFAX, MASSACHUSETTS

TITLE:

Wing C: Upper Level Lighting & Power Plans

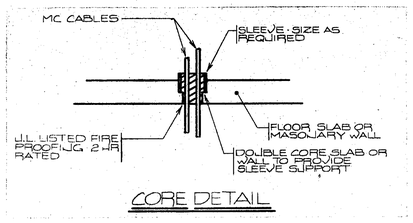
Date: SEPT. 23, 1992 Drawn By: ATC

Scale: 1/8"=1'-0" Job No: 9008/91

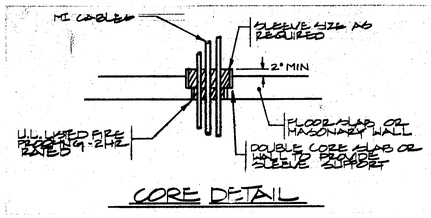
SHEET:

E-10

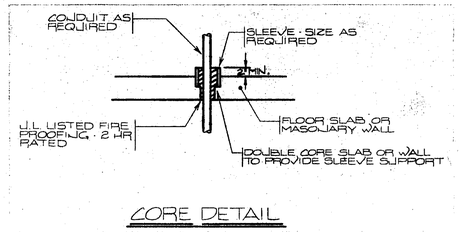
91010



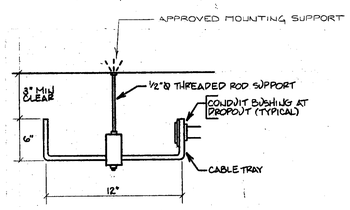
CORE DETAIL



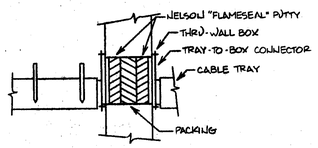
CORE DETAIL



CORE DETAIL

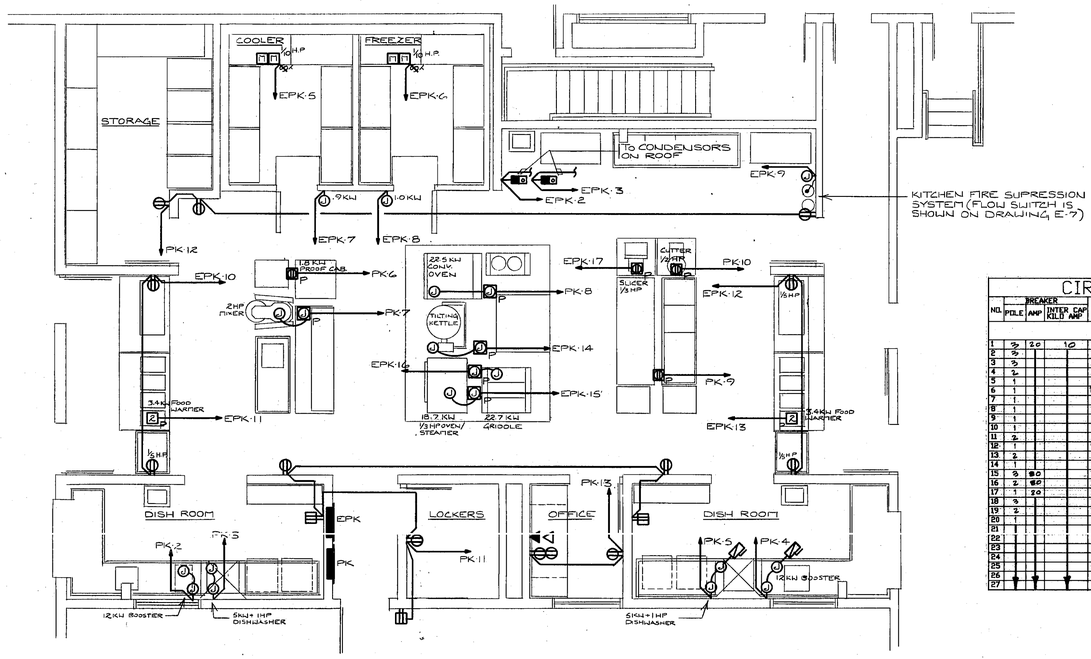


MOUNTING DETAIL



DETAIL AT FIRE/SMOKE WALL PENETRATIONS

CABLE TRAY DETAILS



LARGE SCALE KITCHEN PLAN

NOTE: REFER TO DRAWING FS-1 FOR EXACT OUTLET LOCATIONS AND MOUNTING HEIGHTS

CIRCUIT SCHEDULE

PANEL "EPK"

NO.	POLE	BREAKER AMP	BREAKER INTER CAP KILO AMP	H.P.	CONN. LOAD K.V. MISCELLANEOUS	EQUIPMENT	COND INCHES	WIRE	GND PER COND
						225 AMP MLO 120/208V, 3Ø 4W.			
1	3	20	10	1½		PRV - GA	3/4	4#12	12
2	3			½		COOLER CONDENSOR		4#12	
3	3			½		FREEZER COND.		4#12	
4	3				2.0	FREEZER EVAP. DEF.		2#12	
5	1			1/10		COOLER FANS		2#12	
6	1			1/10		FREEZER FANS		2#12	
7	1				.9	COOLER DOOR		2#12	
8	1				1.0	FREEZER DOOR		2#12	
9	1				1.0	FIRE ALARM SYST.		2#12	
10	1			1/3		MILK COOLER REC.		2#12	
11	3				3.4	FOOD WARMER		3#12	
12	1			1/3		MILK COOLER REC.		2#12	
13	3				3.4	FOOD WARMER		3#12	
14	1				1.2	TILTING KETTLE		2#12	
15	3	80		1/3	18.7	OVEN STEAMER	1 1/4	4#4	8
16	2	60			22.7	GRIDDLE	1 1/4	4#4	8
17	1	20		1/3		SLICER REC.	3/4	2#12	12
18	3					SPARE			
19	2					SPARE			
20						SPARE			
21									
22									
23									
24									
25									
26									
27									

CIRCUIT SCHEDULE

PANEL "PK"

NO.	POLE	BREAKER AMP	BREAKER INTER CAP KILO AMP	H.P.	CONN. LOAD K.V. MISCELLANEOUS	EQUIPMENT	COND INCHES	WIRE	GND PER COND
						400 AMP MLO 120/208V, 3Ø 4W.			
1	3	40	10		3.4	WATER HEATER BOOSTER	1 1/2	4#6	6
2	3	30	1		12	DISHWASH BOOSTER	1	4#10	10
3	3	30		1	5	DISHWASHER	3/4	4#10	10
4	3	30			12	DISHWASH BOOSTER	1	4#10	10
5	3	30		1	5	DISHWASHER	3/4	4#10	10
6	1	20				1.8 FROSTING CAB REC.	3/4	4#12	12
7	3	20		2		MIXER	3/4	4#12	12
8	3	150			21.5	CONVECTION OVEN	2	3#6	6
9	1	20				1.0 FLOOR OUTLET	3/4	2#12	12
10	1	20		1/2		CUTTER REC.			
11	1	20				1.0 GEN. PURP. REC.			
12	1	20				.6 GEN. PURP. REC.			
13	1	20				.6 OFFICE REC.			
14	3	50				SPARE			
15	3	90							
16	3	20							
17	1	20							
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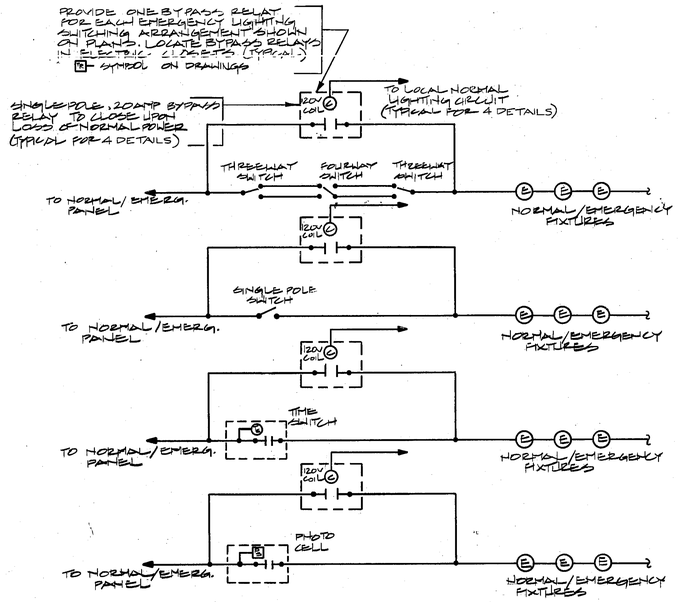
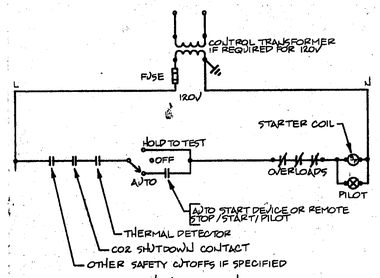
22									
23									

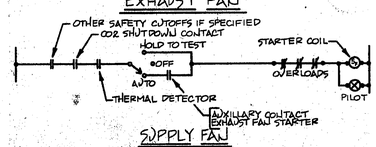


TYPICAL NORMAL/EMERGENCY LIGHTING BY PASS RELAY WIRING DETAILS

NOT TO SCALE

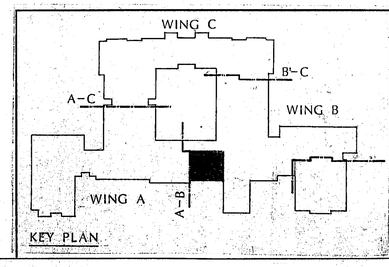


EXHAUST FAN



SUPPLY FAN

KITCHEN HOOD CONTROL DIAGRAM



STAMP

COMMONWEALTH OF MASSACHUSETTS
CHARLES H. BENT
No. No. 24718
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

Mc Carron Hufnagle & Bent Inc.
132 Lincoln Street Boston, Ma.
Consulting Engineers Electrical

ADDITION AND RENOVATIONS TO THE

HALIFAX ELEMENTARY SCHOOL

AND RELOCATION OF THE

HALIFAX PUBLIC LIBRARY

HALIFAX, MASSACHUSETTS

TITLE:

Large Scale Kitchen Plan & DETAILS & DIAGRAMS

Date: SEPT 23, 1992 Drawn By: GT

Scale: 1/4"=1'-0" Job No: 9008 / 91

SHEET:

E-11

TYPOTECH

ADDITION AND RENOVATIONS TO THE

HALIFAX ELEMENTARY SCHOOL

AND RELOCATION OF THE

HALIFAX PUBLIC LIBRARY

HALIFAX, MASSACHUSETTS

ANTHONY TAPPE AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
132 LINCOLN STREET, BOSTON, MASSACHUSETTS 02111

McCarron Huffnagle & Bent Inc.
132 Lincoln Street Boston, Ma.
•Consulting Engineers Electrical

REVISIONS:

STAMP

COMMONWEALTH OF MASSACHUSETTS — CHARLES H. BENT — No. 19178 — REGISTERED PROFESSIONAL ENGINEER

TITLE: Holmes Library: Lighting & Power Plans

Date: Sept. 29, 1994 Drawn By: AS

Scale: 1/8"=1'-0" Job No: 9308

SHEET: E-12

KEY PLAN

WING A
WING B
WING C
A–B
B–C
A–C

N

HOLME LIBRARY ROOF PART PLAN

RTU-1 20HP
RTU-2 20HP
D3.4
D3.3
PL-33
PL-32
PL-31
PL-29
4.5 kW ELEC. WATER HEATER
SPRINKLER ALARM PNL.
FIRE ALARM GRAPHIC ANNUN.
FIRE ALARM BEACON
REFER TO DRAWING E-7.1 FOR FIRE ALARM DEVICES
FIRE ALARM CONTROL PNL.
TELEPHONE/DATA CABINET
208V. 1Ø 4W 20 AMP
HEAT DETECTORS IN THE HOLMES LIBRARY SHALL BE FURNISHED BY THE ELECTRICAL SUB CONTRACTOR (TYPICAL)

DEMOLITION NOTE:
1. REMOVE & REMOVE TO POINT OF DEMOLITION ALL EXISTING ELECTRICAL WIRING & EQUIPMENT TO POINT OF ORIGIN ALL BUILDING WIRING & EQUIPMENT BEING FED FROM THE SCHOOL BUILDING ELECTRICAL SYSTEMS. REFER TO DEMOLITION NOTES ON DRAWING E-3

FIRE ALARM CONTROL PANEL
ESBI - 2500H

PL-1 thru PL-33

FU1 thru FU15
FS1 thru FS59
LL1 thru LL17
EL1 thru EL4
FR1 thru FR3
R5

DIMMER SCHEDULE

LETTER	LOCATION	WATTAGE
F	REFERENCES DOWNLIGHTS	NTV-1000
G		NTV-1500
H		NTV-1000
I		NTV-1500
J	CHANDELIER	NTV-1500

NOTE: IT IS THE ELECTRICAL SUB CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL FIXTURE TYPES PUT THROUGH FU13 ARE SHOWN BEFORE ORDERING. ALL FIXTURE MANUFACTURERS EQUIPPED FIXTURES NECESSARY FOR DIMMABLE FIXTURE RUNS INCLUDING LINE VOLTAGE DIMMERS.

MAIN SWITCHBOARD SCHEDULE

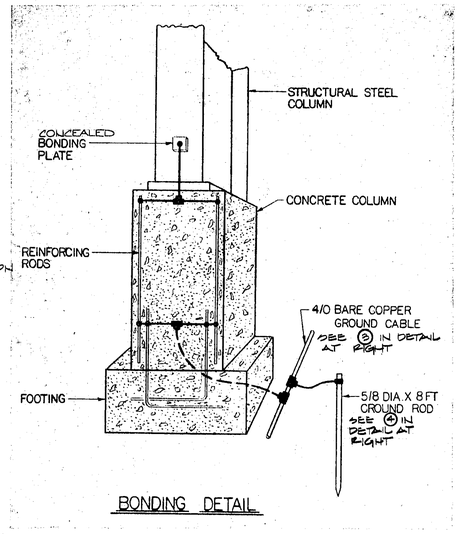
120/208 V. 3Ø, 4W.

2000 AMP

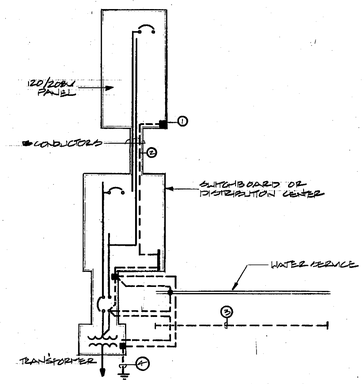
NO.	BREAKER POLES	BREAKER TRIP	BREAKER KAIC	CONN. LOAD H.P.	CONN. LOAD K.V.A. MISC.	CONN. LOAD K.V.A. MOTOR	CONN. LOAD K.V.A. REC.	COND.	WIRE	LUGS FEEDER	GND PER COND.	EQUIPMENT
1	3	1600	200						1600A. BUS			DISTRIBUTION SECTION "D1"
* 2		200					2.0		2½	4#3/0		6 DISTRIBUTION PANEL "D2"
* 3		400		48.0	16.0	14.0	29.0	2-3"	8#250MCM			2#2 DISTRIBUTION PANEL "D3"
4		400		353	59.8	80.7	33	2-4"	8#350MCM			2#1/0 DISTRIBUTION PANEL "ED" (CONTINUED)
* 5		300		4.5	80.5		5.0	4	4#500MCM			1/0 PANEL "PK"
* 6		100		1.5	.2		11.3	2	4#1			6 PANEL "PG"
* 7		100					2.2	2	4#1			6 PANEL "PS"
* 8		200						2½	4#3/0			6 PANEL "LA"
* 9		100		.5			9.6	1½	4#2			6 PANEL "PA"
* 10		100				12.0		2	4#3/0			6 PANEL "LB"
* 11		150					4.8	4	4#350			1/0 PANEL "LBA"
* 12		125						2½	4#4/0			4 PANEL "LBB"
* 13		225		10.1	11.0		23.8	3	4#300MCM			2 PANEL "PB"
* 14		100						1½	4#2			6 PANEL "PBA"
* 15		100				16.9		1½	4#3			6 PANEL "LG"
* 16		100		2.6				2	4#3/0			6 PANEL "BRP"
* 17		150				27.4		2½	4#4/0			4 PANEL "LC"
* 18		200		8.6			20.2	2½	4#4/0			4 PANEL "PC"
* 19		100		.0			12.4	2½	4#3/0			6 PANEL "PCA"
20		150		20.0				2	4#1			6 ELEVATOR
* 21		200										SPACE
* 22		100										SPARE
* 23		100										SPARE
24												200 AMP SPACE

* PROVIDE SERIES RATED CIRCUIT BREAKERS TO PROTECT ALL DOWN STREAM PANELS TO 10 KAIC

DISTRIBUTION PANEL "D1"



BONDING DETAIL



LEGEND

1. GROUNDING PAD SUITABLY BRAZED TO CABINET SIZE & NUMBER OF CONNECTIONS TO SUIT APPLICATION.
2. GREEN INSULATED GROUNDING CONDUCTOR.
3. CONCRETE ENCASED ELECTRODE. NEC 250-83(c) (2) (10'-0") MINIMUM RUN IN BUILDING FOOTING
4. GROUND RODS

TYPICAL GROUNDING SYSTEM DIAGRAM

NOT TO SCALE

LIGHTING & POWER PANELBOARD SCHEDULE

PANEL I.D.	TOTAL LOAD	TOTAL POLES	CIRCUIT BREAKERS 600A 3P	300A 3P	225A 3P	150A 3P	150A 2P	125A 3P	100A 3P	90A 3P	80A 3P	80A 2P	60A 3P	60A 2P	30A 3P	30A 2P	20A 3P	20A 2P	20A 1P	INTERR. CAPACITY SYM KILO AMPS	F I M
"PK"	23	42				1							3		3		2		13	10	R
"PG"	23	30															1		22		R
"PS"	12	24																	12		S
* "LA"	EXIST.																1				X
"PA"	30	30																	30		R
"LB"	21	24																	21		R
"LBA"	42	42																	42		R
* "LBB"	EXIST.																				R
"PB"	41	60											2	1					38		R
* "PBA"	EXIST.																				R
"LG"	25	30															1	3	21		R
"BRP"	20	30															2		18		S
"LC"	36	36																	36		S
"PC"	56	60																	56		S
"PCA"	40	60															6		34		R
"ED"	6	24	1	1		1						2								100	S
"EPA"	25	30															2	1	22	10	R
"EPB"	17	18																1	16		R
"EPK"	27	42								1	1						4	4	17		R
"EBR"	28	60										3					13		12		S
"EPC"	20																2		18		S
"D2"	2	12																2			S
"D3"	4	18					2	1													S
"LL"	24	30																1	23		S
"PL"	29	42															1	2	25		S

* INDICATES EXISTING PANELBOARDS TO REMAIN

CIRCUIT SCHEDULE

PANEL ED — 600AMP MLO 120/208V 3Ø 4W

NO.	POLE	AMP	BREAKER INTER CAP KILO AMP	CONN. LOAD H.P.	CONN. LOAD K.V. MISC.	CONN. LOAD K.V. TORREC.	EQUIPMENT	COND INCHES	WIRE	GND PER COND
1	3	150	100	6.25	7.9	2.5	PANEL EPA	MCMS	4#2	
* 2	3	50		.6	2.0	8.0	EPB	MCMS	4#6	
* 3	3	300		7	34.3		EPK	4"	2#4/0	1/0
4	3	200		38.4	2.5	.5	EBR	MCMS	2#4/0	
* 5	3	50		3.0	1.0	23.3	EPC	2"	4#6	6
* 6	3						SPACE			

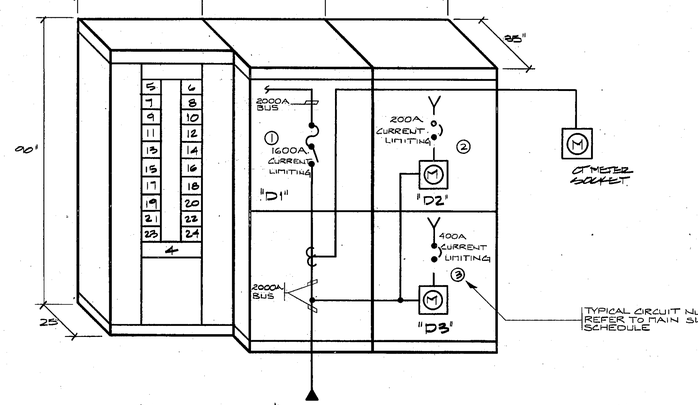
* PROVIDE SERIES RATED CIRCUIT BREAKERS TO PROTECT ALL DOWN STREAM PANELS TO 10 KAIC.

PANEL D2 — 200A. MLO 120/208V. 3Ø 4 W.

NO.	POLE	AMP	BREAKER INTER CAP KILO AMP	CONN. LOAD H.P.	CONN. LOAD K.V. MISC.	CONN. LOAD K.V. TORREC.	EQUIPMENT	COND INCHES	WIRE	GND PER COND
1	2	20	10			2.0	*EXISTING LOT LIGHTING	1"	2#8	8
2	2	50					SPACE			
3	2						100 AMP SPACE			
4	3						100 AMP SPACE			
5	3						100 AMP SPACE			

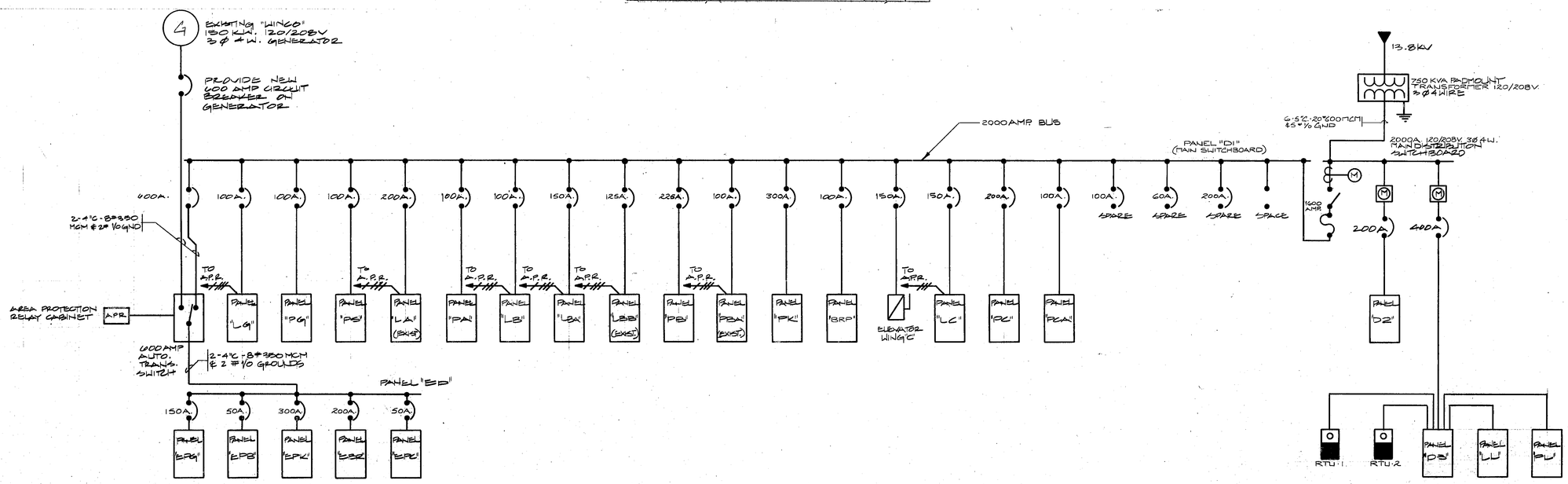
PANEL D3 — 100 AMP MLO 120/208V. 3Ø 4 W.

NO.	POLE	AMP	BREAKER INTER CAP KILO AMP	CONN. LOAD H.P.	CONN. LOAD K.V. MISC.	CONN. LOAD K.V. TORREC.	EQUIPMENT	COND INCHES	WIRE	GND PER COND
1	2	20	10		1.6	2.4	PANEL PL	2"	4#4/0	4
2	2	100			1.4		PANEL LL	1½	4#3	6
3	2	125		2+			RTU-1	1½	4#3	6
4	2	125		2+			RTU-2	1½	4#3	6
5	2						100 AMP SPACE			
6	2						200 AMP SPACE			



MAIN SWITCHBOARD ELEVATION

NOT TO SCALE



ELECTRICAL DISTRIBUTION ONE LINE DIAGRAM

STAMP

CHARLES H. TROUT NO. 9019

REVISIONS:

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ADDITION AND RENOVATIONS TO THE
HALIFAX ELEMENTARY SCHOOL
AND RELOCATION OF THE
HALIFAX PUBLIC LIBRARY
HALIFAX, MASSACHUSETTS

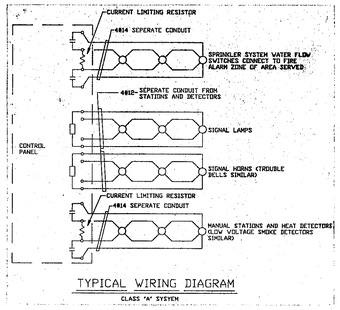
TITLE:
ELECTRICAL DISTRIBUTION ONE LINE DIAGRAM, DETAILS & SCHEDULES

Date: SEPT. 28, 1992 Drawn By: TPR
Scale: AS NOTED Job No: 9008/91

SHEET:
E-1

TYPOTECH

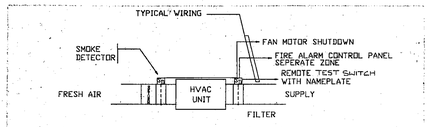
9/010



TYPICAL WIRING DIAGRAM

CLASS "A" SYSTEM

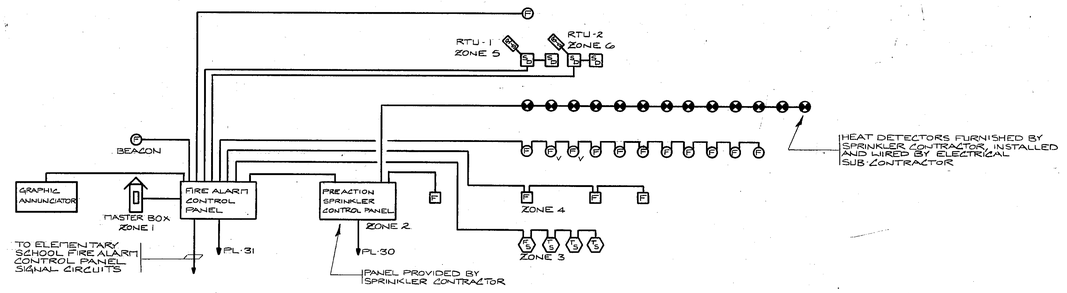
FIRE ALARM ZONES - ANNUNICATOR ELEMENTARY SCHOOL	
1	MASTER BOX
2	SPRINKLER
3	SPRINKLER
4	SPRINKLER
5	BOILER ROOM
6	HV-2
7	AC-1
8	RTU-3
9	HV-1
10	HV-3
11	HV-4
12	WING B - CORRIDOR B139
13	- CORRIDOR B132, KITCHEN & CAFETERIA
14	- CORRIDOR B116 & ADMINISTRATION
15	- KITCHEN SUPPRESSION SYSTEM
16	WING A
17	WING A - GYM
18	WING C - TAMPERSWITCH (TROUBLE ONLY)
19	- TAMPERSWITCH (TROUBLE ONLY)
20	- LOWER LEVEL
21	- ELEVATOR SHAFT
22	- UPPER LEVEL
23	SPARE
24	SPARE
25	SPARE
26	SPACE
27	
28	
29	
30	
31	
32	



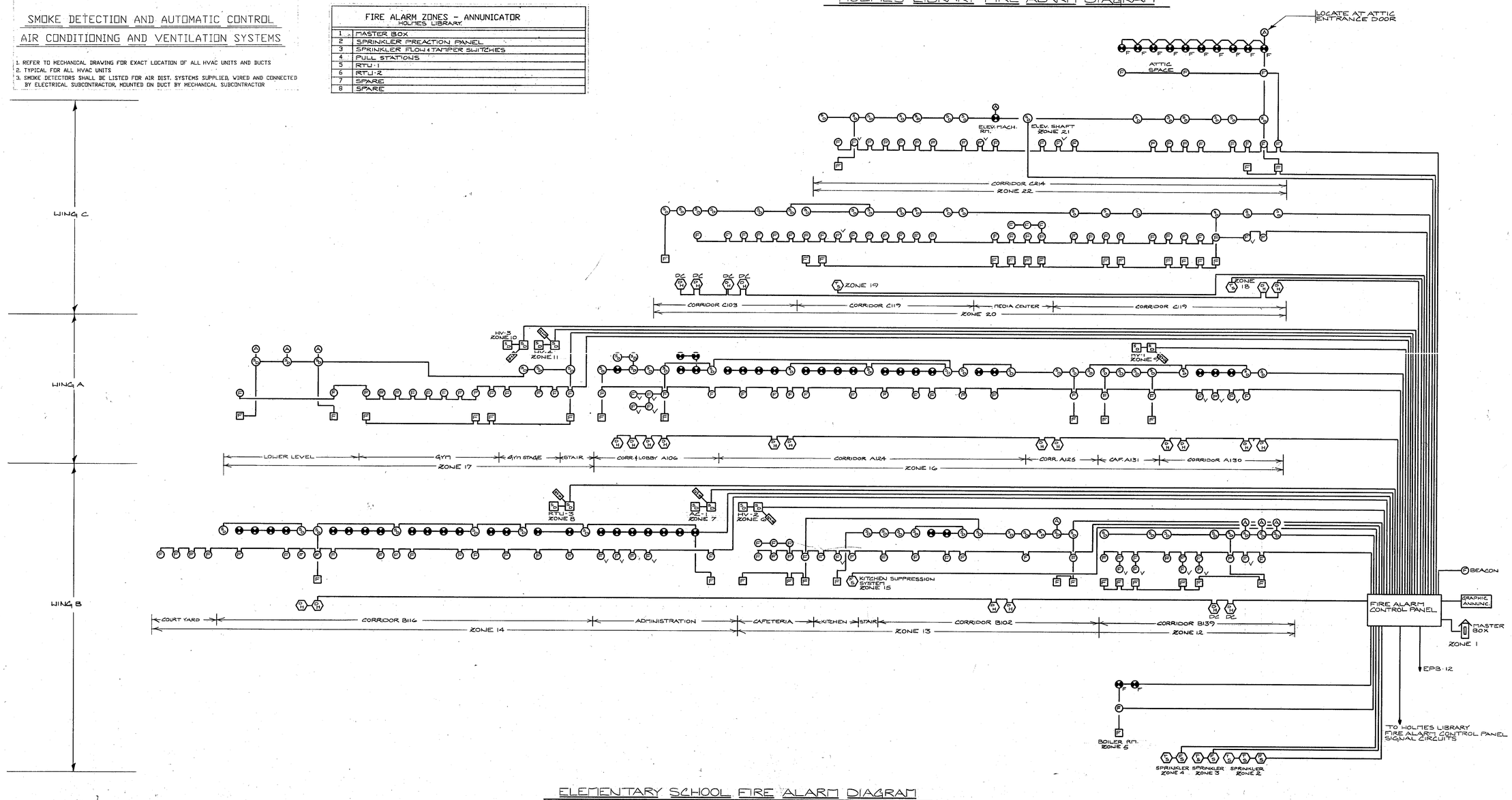
SMOKE DETECTION AND AUTOMATIC CONTROL AIR CONDITIONING AND VENTILATION SYSTEMS

1. REFER TO MECHANICAL DRAWING FOR EXACT LOCATION OF ALL HVAC UNITS AND DUCTS
2. TYPICAL FOR ALL HVAC UNITS
3. SMOKE DETECTORS SHALL BE LISTED FOR AIR DIST. SYSTEMS SUPPLIED, WIRED AND CONNECTED BY ELECTRICAL SUBCONTRACTOR, MOUNTED ON DUCT BY MECHANICAL SUBCONTRACTOR

FIRE ALARM ZONES - ANNUNICATOR HOLMES LIBRARY	
1	MASTER BOX
2	SPRINKLER PREACTION PANEL
3	SPRINKLER FLOW & TAMPER SWITCHES
4	PULL STATIONS
5	RTU-1
6	RTU-2
7	SPARE
8	SPARE



HOLMES LIBRARY FIRE ALARM DIAGRAM



ELEMENTARY SCHOOL FIRE ALARM DIAGRAM

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COMMONWEALTH OF MASSACHUSETTS — CHARLES H. BENT — NO. 8478 — REGISTERED PROFESSIONAL ENGINEER

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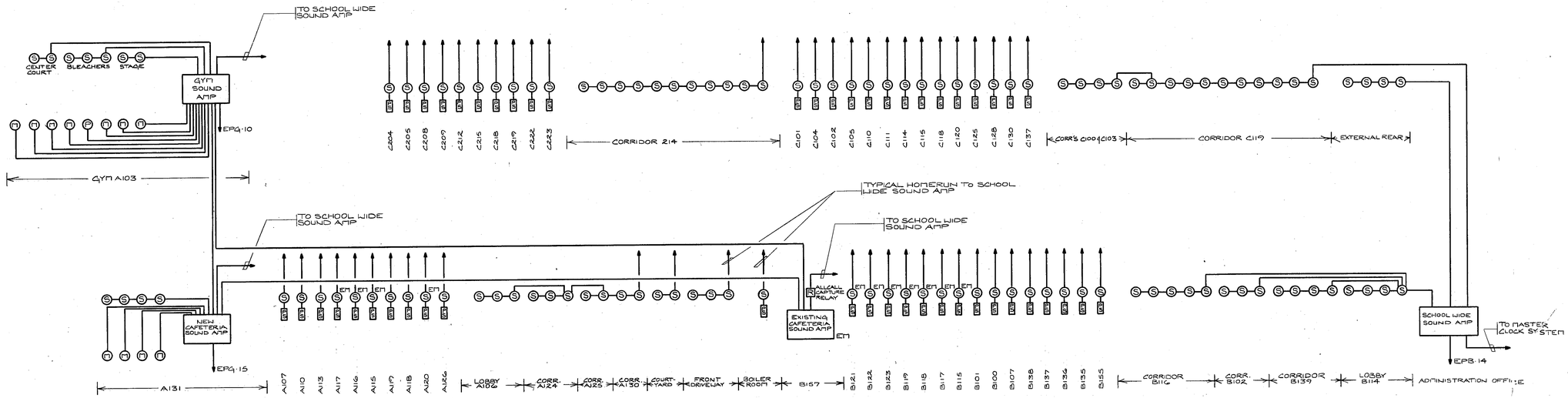
TITLE:
FIRE ALARM RISERS

Date: SEPT. 23 1992 Drawn By: TN
Scale: NONE Job No: 9003/91

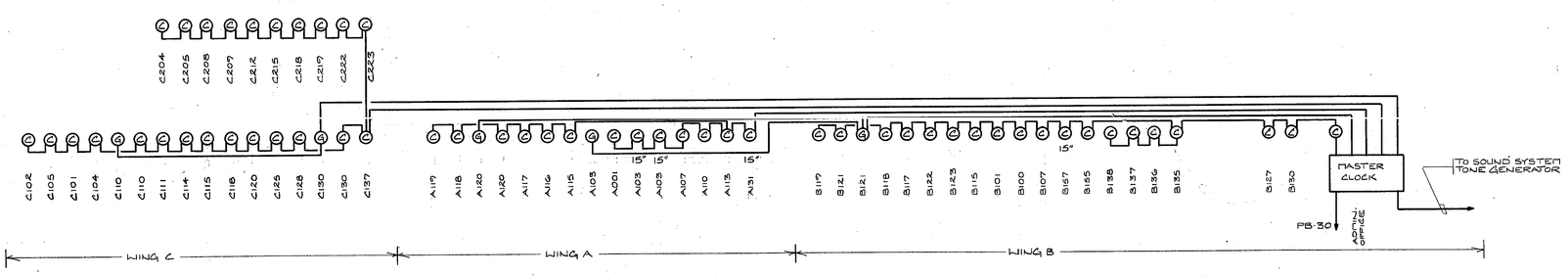
SHEET:

E-14

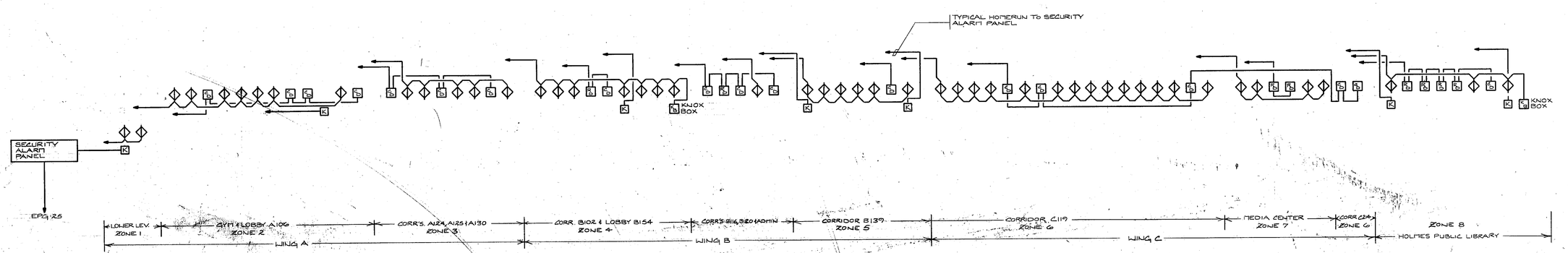
THE DRAFTBOARD



SOUND SYSTEM DIAGRAM



MASTER CLOCK SYSTEM DIAGRAM



SECURITY SYSTEM DIAGRAM

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TITLE:
SOUND SYSTEM, MASTER CLOCK SYSTE SECURITY SYSTEM DIAGRAMS

Date: SEPT 23, 1992 Drawn By: TN
Scale: NONE Job No:

SHEET:
E-15