Addition and Renovations to the

Pine Hill Elementary School

Pine Hill Lane
Sherborn, Massachusetts

Anthony Tappe & Associates Inc.
Six Edgerly Place
Boston, Massachusetts 02116
T:617 451-0200
F:617 451-3899

CIVIL/MECHANICAL
PLUMBING
Gordon Cole & Associates
109 County Street
New Bedford, MA 02740
T:508 996-9988
F:508 996-7211

ELECTRICAL
Joseph Stover, Inc.
256 Parker Street
Stoughton, MA 02072
T:617 341-[illegible]
F:617 341-[illegible]

STRUCTURAL
Foley & Buhman Engineering Inc.
Galen Street
Watertown, MA 02172
T:617 926-9150
F:617 924-4167

COST ESTIMATOR
Daedelus Projects Inc.
112 South Street
Boston, MA 02111
T:617 451-2717
F:617 451-2679

LANDSCAPE ARCHITECT
Mason & Frey
1183 Massachusetts Avenue
Lexington, MA 02173
T:617 862-[illegible]104
F:617 863-1712

GEOTECHNICAL ENGINEER
Haley & Aldrich Inc.
58 Charles Street
Cambridge, MA 02141
T:617 [illegible]94-1[illegible]6
F:617 577-8[illegible]

SURVEYOR
H & R Survey
1068A Massachuestts Avenue
Arlington, MA 02174
T:617 648-[illegible]
F:617 648-2667

INTERIOR CONSULTANT
OSO Interiors
121 East Foster Street
Melrose, MA 02176
T:617 246-4944
F:617 246-49[illegible]

March 20, 1997

T-1

List of Drawings

T1 TITLE SHEET
A0.1 SYMBOLS, ABBREV.,KEYNOTES, LEGEND, PHASING PLAN
A0.2 CODE REVIEW PLAN

SP-1 TOPOGRAPHIC PLAN OF LAND
C-1 SITE UTILITIES
C-2 SITE LEGEND, NOTES & DETAILS
L1 GRADING PLAN
L2 LAYOUT PLAN
L3 PLANTING PLAN
L4 LANDSCAPE DETAILS

D1.1 BLOCK "A"DEMOLITION PLAN
D1.2 BLOCK "B" DEMOLITION PLAN
D1.3 BLOCK "C", "D" & "D" MEZZ. DEMOLITION PLAN

A2.1 FLOOR PLANS BLOCK "A" & "E"
A2.2 FLOOR PLAN BLOCK "B"
A2.3 FLOOR PLANS BLOCK "C ", "D" & "D MEZZ."
A2.4 ROOF PLAN
A2.5 ROOF DETAILS
A2.6 ROOF DETAILS
A3.1 EXTERIOR ELEVATIONS
A4.1 WALL SECTIONS
A4.2 WALL SECTIONS & SECTION DETAILS
A4.3 SECTION DETAILS
A5.1 PLAN DETAILS EXT. & INT.
A6.1 WINDOW ELEVATIONS & DETAILS
A7.1 DOOR SCHEDULE & DETAILS
A7.2 ROOM FINISH SCHED. & PARTITION TYPES
A7.3 DOOR DETAILS & PLAN DETAILS
A8.1 ELEVATOR PLANS, SECTIONS & DETAILS
A8.2 RAMP/STAIR PLANS, SECTIONS & DETAILS
A8.3 TOILET PLANS & ELEVATIONS
A9.1 INTERIOR ELEVATIONS
A10.1 R.C.P. BLOCK "A" & "E"
A10.2 R.C.P. BLOCK "B"
A10.3 R.C.P. BLOCK "C", "D" & "D MEZZ."
A10.4 R.C.P. DETAILS

EQ.-1 BLOCK "A" & BLOCK "E" EQUIPMENT PLANS
EQ-2 BLOCK "B" EQUIPMENT PLANS
EQ-3 BLOCK "C", "D" EQUIP. PLANS
EQ-4 EQUIPMENT ELEV. & DETAILS

S-1 GENERAL NOTES & TYP.DETAILS
S2.2 BLOCK "E" FOUNDATION PLAN & SECTION
S2.3 BLOCK "E" ROOF PLAN & SECTION
S2.4 BLOCK "A" & "C" ROOF PLAN & SECTIONS
S2.5 BLOCK "B" & "D" PARTIAL PLANS & SECTIONS

P-1 BLOCK "B" DEMOLITION PLAN
P-2 BLOCK "A","C" & "D" DEMOLITION PLANS
P-3 BLOCK "A", "E" FLOOR PLANS
P-4 BLOCK "B" FLOOR PLANS
P-5 BLOCK "C", "D", D MEZZ." FLOOR PLANS

M-1 BLOCK "B" DEMOLITION PLAN
M-2 BLOCK "A", "C", "D" DEMO PLANS
M-3 BLOCK "A" & "E" FLOOR PLANS
M-4 BLOCK "B" FLOOR PLAN
M-5 BLOCK "C" & "D" FLOOR PLANS
M-6 BOILER ROOM PLAN
M-7 LEGEND & SCHEDULE SHEET
M-8 DETAIL SHEET

E1.1 LEGEND & SCHEDULE
E2.1 BLOCK "A" & "E" LIGHTING PLAN
E2.2 BLOCK "B" LIGHTING PLAN
E2.3 BLOCK "C", "D" & "D MEZZ." LIGHTING PLAN
E2.4 BLOCK "A" & "E" POWER & SIGNAL PLAN
E2.5 BLOCK "B" POWER & SIGNAL PLAN
E2.6 BLOCK "C", "D", "D MEZZ." POWER & SIGNAL PLAN
E2.7 RISER DIAGRAM & SCHEDULES
E2.8 FIRE ALARM & SECURITY RISERS
E2.9 ELECTRICAL RISER DETAILS
E2.10 ELECTRICAL SCHEDULES
E3.1 INSTRUCTIONAL TECHNOLOGY SYSTEM
E3.2 INSTRUCTIONAL TECHNOLOGY SYSTEM RISER

BID SET No.

#56

LEGEND

Center Line, Exterior Elevation Lines, Section Lines

Property Line, Boundry Line

Hidden, Future, Existing to be Removed

Contract Limit Line

Break Line

Dimension Lines — 4'-3 1/2"

Indication Arrows — NOTE — NOTE — 2'-1 1/4"

Stair/Ramp Directional Arrows — UP 20 R

Slope Arrows
Always Face Downslope — SLOPE TO DRAIN 4:12

Notes — Keynote; Key Format (2R6000); Note No.; HAND WRITTEN NOTE; NOTE:; Box Important Notes

SITE

Project North Arrow — Magnetic North (Site Plan Only); Project North

Point Elevation in Plan
New or Required — + 461.0'

Point Elevation in Plan
Existing — + 461.0'

Existing Topographic Contour Line
Elevation Noted on High Side — 215

New Topographic Contour Line
Elevation Noted on High Side — 215

Test Boring Site and Number — TB-2

Element Elevation — 138.75' TOW

ARCHITECTURAL

Room Name and Number — OFFICE

Door Number — A003

Door Type — B

Interior Window Type — 5

Exterior Window Type — 10

Window Treatment Type — IV

Louver Type — 7

Glass Type

Partition Type — One mark indicates a one hour rated UL assembly; Two marks indicate a two hour rated UL assembly; Denotes Sound Attenuation Insulation

Column Lines
Numbers for Horizontal String
Letters for Vertical String — 3; A

Plan, Elevation, Section or Detail
Identification Number — 2 FLOOR PLAN 1/4" = 1'-0"

Building Section — 3 A101; 3 A101

Wall Section — 2 A101

Detail Reference — 2 A101; 2 A102

Interior Elevation Reference
Interior Elevations are grouped by room with a group number and each wall noted North, South, East and West. — 103 A202; Denotes corner when corresponds to elevation shown

Exterior Elevation Reference — 2 7301

Building Elevation Mark
Existing Construction — GROUND FLOOR EL. 120.50

Building Elevation Mark
New Construction — GROUND FLOOR EL. 120.50

New Construction
in Plan

Existing Construction in Plan

Existing Construction in Section

SYMBOLS USED ON DRAWINGS

EARTHWORK: POROUS FILL GRAVEL; EARTH COMPACT FILL; ROCK

CONCRETE: CAST-IN-PLACE PRECAST; LIGHT WEIGHT; SAND

MASONRY: CONCRETE BLOCK; COMMON FACE; FIRE BRICK; STRUCTURAL FACING TILE

STONE: RUBBLE; MARBLE; BLUESTONE / SLATE / SOAPSTONE / FLAGGING

METAL: STEEL; BRONZE/BRASS; ALUMINUM

WOOD: ROUGH; BLOCKING; PLYWOOD LG. SCALE; PLYWOOD SM. SCALE; PARTICLE BOARD; FINISH

GLASS: GLASS; GLASS BLOCK

INSULATION: BATT LOOSE FILL; RIGID; SPRAY FOAM

FINISHES: ACOUSTICAL TILE; CARPET; CERAMIC TILE; METAL LATH & PLASTER; TERRAZZO; GYPSUM WALLBOARD; PLASTIC LAMINATE

ABBREVIATIONS

CENTERLINE
< ANGLE
ø DIAMETER
POUND

@ AT
AB ANCHOR BOLT
ABV. ABOVE
A/C AIR CONDITIONING
ACC. ACCESS
ACOUS. ACOUSTICAL
ACT ACOUSTIC CEILING TILE
ACP ACOUSTIC CEILING PANEL
AD AREA DRAIN
ADD. ADDENDUM
ADJ. ADJUSTABLE/ADJACENT
AFF ABOVE FINISH FLOOR
ALT ALTERNATE
AHU AIR HANDLING UNIT
ALUM. ALUMINUM
ANC ANCHOR/ANCHORAGE
APX. APPROXIMATE
ARCH. ARCHITECT/ARCHITECTURAL
ASMB ASSEMBLY
AUTO AUTOMATIC

BD. BOARD
BBL BELOW
BTWN BETWEEN
BIT. BITUMINOUS
BIT CONC BITUMINOUS CONCRETE
BLDG. BUILDING
BLKG. BLOCKING
BM BENCH MARK
BPL BEARING PLATE
BTM. BOTTOM
BSMT BASEMENT
BUR BUILT-UP ROOFING
BVL BEVELED

C. COURSES
CAB. CABINET
CAP CAPACITY
CB CATCH BASIN/CHALK BOARD
CC CLOSED CIRCUIT
CEM. CEMENT
CFT CUBIC FEET
CFMS COLD FORMED MTL. STUDS
CJ CONTROL JOINT
CKG. CAULKING
CL. CLOSET
CLL CONTRACT LIMIT LINE
CLG. CEILING
CLR. CLEAR/CLEARANCE
CMU CONCRETE MASONRY UNIT
CO CLEAN OUT
COL.(S) COLUMN(S)
COMP COMPRESS/COMPOSITE
CONC. CONCRETE
CONST. CONSTRUCTION
CONT. CONTINUOUS
CORR. CORRIDOR
CPT. CARPET
CSMT CASEMENT
CT CERAMIC TILE
CTSK. COUNTERSINK
CUH CABINET UNIT HEATER
CYD CUBIC YARD

D DRAIN
DBL. DOUBLE
DEMO. DEMOLITION
DF DRINKING FOUNTAIN
DH DOUBLE HUNG
DIA. DIAMETER
DIAG DIAGONAL
DIM. DIMENSION
DISP. DISPENSER
DIV DIVISION
DN. DOWN
DP. DEEP/DAMPPROOFING
DR. DOOR
DWG. DRAWING
DRW. DRAWER
DS DOWNSPOUT
DTL. DETAIL

E. EAST
EA. EACH
EHD ELECTRIC HAND DRYER
EL. ELEVATION
ELASTO. ELASTOMERIC
ELEC. ELECTRICAL
EMER. EMERGENCY
ENCL. ENCLOSURE
EQ. EQUAL
EQPT. EQUIPMENT
ETR EXISTING TO REMAIN
EX.(IST) EXISTING
EXP. EXPOSED/EXPANSION
EXT. EXTERIOR
FA FIRE ALARM
FAS FASTEN/FASTENER
FB FACE BRICK
FD FLOOR DRAIN
FDN. FOUNDATION
FE. FIRE EXTINGUISHER
FEC FIRE EXTINGUISHER CABINET
FF FINISH FLOOR
FG FIBER GLASS
FHC FIRE HOSE CABINET
FIN. FINISH
FIN.FL.(R) FINISH FLOOR
FIXT. FIXTURE
FLG. FLASHING
FLM. FLOOR MAT
FLR.(G) FLOOR (FLOORING)
FOB FACE OF BRICK
FOC FACE OF CONCRETE
FOF FACE OF FINISH
FOS FACE OF STUD
FP FIRE PROTECTION
FR. FROM
FT (') FOOT/FEET/FIRE TREATED
FTG. FOOTING
FURR. FURRING
FV FIELD VERIFY
FVC FIRE VALVE CABINET

GA. GAUGE
GALS. GALLONS
GALV. GALVANIZED
GB GRAB BAR
GC GENERAL CONTRACTOR
GL. GLASS
GND. GROUND
GT GROUT
GR. GRADE
GRG GLASS REINFORCED GYPSUM
GVC GAS VALVE CABINET
GWB GYPSUM WALL BOARD
GYP. GYPSUM
GLAZ GLAZED

H. HIGH
HB HOSE BIBB
HC HOLLOW CORE/HANDICAPPED
HDW HARDWARE
HDR HEADER
HGT HEIGHT
HM HOLLOW METAL
HOR HORIZONTAL
HP HIGH POINT
HTG. HEATING
HTR. HEATER
HVAC HEATING, VENTILATING & AIR CONDITIONING
HWD. HARDWOOD
HWH HOT WATER HEATER

IN. (") INCHES
INCL. INCLUDE/INCLUDING
INS INSULATE/INSULATION
INT. INTERIOR
INV. INVERT

J JOIST
JAN. JANITOR
JC JANITOR'S CLOSET
JT. JOINT

KIT KITCHEN
KO KNOCKOUT
KPL KICKPLATE

L LOW
LAB LABORATORY
LAM. LAMINATE
LAV LAVATORY
LBL LABEL
LF LINEAR FOOT (FEET)
LH LEFT HAND
LP LOW POINT
LT LIGHT
LTL LINTEL

MACH MACHINE
MAS. MASONRY
MATL. MATERIAL
MAX. MAXIMUM
MB. MARKERBOARD
MBR MEMBER
MDO MEDIUM DENSITY OVERLAY
MECH. MECHANICAL
MED MEDIUM
MEMB. MEMBRANE
MFR. MANUFACTURER
MH MANHOLE
MIN. MINIMUM
MIR MIRROR
MISC. MISCELLANEOUS
MLD MOLDING
MO MASONRY OPENING
MR MOISTURE RESISTANT
MRB MOISTURE RESISTANT BOARD
MTD. MOUNTED
MTL. METAL

N. NORTH
NAT. NATURAL
NC. NOT IN CONTRACT
NO. NUMBER
NOM. NOMINAL
NTS NOT TO SCALE

OA OVERALL
OC ON CENTER
OD OUTSIDE DIAMETER
OH OPPOSITE HAND/OVERHEAD
OP OPAQUE
OPG. OPENING
OPP. OPPOSITE

PANNING
PAR PARALLEL
PCT PORCELIN CERAMIC TILE
PERC. PERCOLATION
PERF. PERFORATED
PK PARKING
PL PLASTIC/PLATE/PROPERTY LINE
PLAM. PLASTIC LAMINATE
PLAS. PLASTER
PLWD. PLYWOOD
PNL PANEL
PNT PAINT/PAINTED
POLY. POLYSTYRENE
POLYI POLYISOCYANURATE
POLYU. POLYURETHANE
PR. PAIR
PRAC. PRACTICE
PSF POUNDS PER SQUARE FOOT
PSI POUNDS PER SQUARE INCH
PT. POINT/PRESSURE TREATED
PTD PAINTED
PTN. PARTITION
PTR PAPER TOWEL RECEPTACLE
PVC POLYVINYL CHLORIDE

QT QUARRY TILE

R. RISERS
RAD. RADIUS
RB RUBBER BASE
RCP REFLECTED CEILING PLAN
RD ROOF DRAIN
RE REINFORCED/REINFORCING
RF RESILIENT FLOORING
REM REMOVE
RET RETURN
REQ REQUIRED
REV REVISED/REVISION
RFG. ROOFING
RFM RECESSED FLOOR MAT
RGTR. REGISTER
RH RIGHT HAND
RM. ROOM
RO ROUGH OPENING
RTU ROOFTOP UNIT

S. SOUTH
SC SOLID CORE
SCHED. SCHEDULE
SD STORM DRAIN/SOAP DISPENSER
SECT. SECTION
SF SQUARE FOOT
SHT. SHEET
SIM. SIMILAR
SMS. SEAMS
SND SANITARY NAPKIN DISPENSER
SNR SANITARY NAPKIN RECEPTACLE
SOG SLAB ON GRADE
SPEC SPECIFICATION
SPK SPEAKER
SPR. SPRINKLER (PIPING/SYSTEM)
SQ. SQUARE
SQ. FT. SQUARE FOOT (FEET)
SS STAINLESS STEEL
STD STANDARD
STL. STEEL
STO. STORAGE
STR. STRUCTURAL
SUSP. SUSPENDED
SWG. SWING
SYM SYMMETRICAL
SYS. SYSTEM

T. TREAD
TB TACKBOARD
T&B. TOP AND BOTTOM
TC TERRA COTTA
T&G. TONGUE AND GROOVE/TAR AND GRAVEL
TECT. TECTUM PANEL
TEL. TELEPHONE
TEMP TEMPERED/TEMPORARY
THK. THICK/THICKNESS
TO TOP OF
TOC TOP OF CONCRETE
TOS TOP OF STEEL/SLAB
TPD TOILET PAPER DISPENSER
TV TELEVISION
TYP. TYPICAL FOR ALL SIMILAR CONDITIONS

UC UNDERCUT
UNF. UNFINISHED
UON UNLESS OTHERWISE NOTED
UR URINAL

VB VINYL BASE/VAPOR BARRIER
VCB VINYL COVE BASE
VCT VINYL COMPOSITION TILE
VERT. VERTICAL
VEST VESTIBULE
VIF VERIFY IN FIELD
VIN VINYL
VNR VENEER

W. WEST
W/ WITH
WB WOOD BASE
WC WATER CLOSET
WG WIRED GLASS
WM WIRE MESH
W/O WITHOUT
WIN WINDOW
WD WOOD
WP WEATHERPROOF/WORKING POINT
WWM WELDED WIRE MESH

YD YARD

STANDARD KEYNOTES

02200.01 Earthworks
02050.00 Demolition

03300.01 Concrete -Refer to Structural Drawings
03300.02 Concrete foundation/footing - Refer to Structural Drawings
03300.03 Concrete slab on grade - Refer to Structural Drawings

04200.01 Masonry veneer wall construction
04200.02 Load bearing masonry wall construction
04200.03 Face Brick
04200.04 Reinforcing
04200.05 Flashing
04200.06 Grout
04200.07 Control joint
04200.08 Pointing
04200.09 2" Rigid insulation
04200.10 Thru wall flashing
04200.11 CMU
04200.12 Precast Concrete
04200.13 Split Rib CMU
04200.14 Ground face CMU
04200.15 Weep Wicks
04200.16 Sound Block CMU
04200.17 Center Scored CMU
04200.18 Glass Block

05100.01 Structural steel - Refer to Structural Drawings
05100.02 Steel beam/column - Refer to Structural Drawings

05200.01 Steel joists - Refer to Structural Drawings
05200.02 Joist seat - Height varies - Refer to Structural Drawings

05300.01 Metal decking - Refer to Structural Drawings
05300.02 Pour stop/slab closure
05300.03 Patch roof deck- refer to structural drawings

05400.01 Cold formed metal framing system
05400.02 Metal stud(s)
05400.03 Track
05400.04 Deflection track
05400.05 Channel bridging
05400.06 Exterior gypsum sheathing

05500.01 Miscellaneous metal materials
05500.02 Galvanized loose lintels - Refer to Loose Lintel Schedule on Structural Drawings
05500.03 Steel handrail assembly
05500.04 Steel guardrail assembly
05500.05 Steel pan stair assembly
05500.06 Security Screens

06100.01 Pressure treated wood blocking
06100.02 Wood blocking
06100.03 Pressure treated plywood
06100.04 Plywood
06100.05 Pressure treated wood framing
06100.06 Wood framing
06100.07 Hanger

06200.01 Hardwood trim, stain finish
06200.02 Softwood trim, paint finish
06200.03 Veneer plywood
06200.04 Vertical T & G Cedar Siding to match existing

07100.01 Exterior sealant
07100.02 Interior sealant
07100.03 Exterior sealant and backer rod
07100.04 Interior sealant and backer rod
07100.05 Dampproofing
07100.06 Backer rod

07200.01 Fiberglass batt insulation
07200.02 Rigid Insulation
07200.03 Fire safing insulation
07200.04 Vapor Barrier

07500.01 Modified Bitumen roofing system
07500.02 Flashing
07500.03 Roof edge fascia/gravel stop
07500.04 Metal hook strip/Cleat
07500.05 Rigid insulation
07500.06 Tapered rigid insulation
07500.07 Pre-formed metal
07500.08 Gutters
07500.09 EPDM
07500.10 Not Used
07500.11 Brake metal
07500.12 Metal fascia
07500.13 Lead coated flashing
07500.14 Downspouts
07500.15 Splash Blocks
07500.16 Cricket (1/4" slope)
07500.17 Expansion Joint
07500.18 Scupper
07500.19 Termination Bar

07800.01 Skylight

08110.01 Hollow metal frame - Refer to Door Schedule
08110.02 Hollow metal door - Refer to door schedule

08210.01 Wood door - Refer to Door Schedule

08500.01 Aluminum window(s)
08500.02 Anchor clip
08500.03 Insect screen
08500.04 Sealant
08500.05 Alum. insulated panel
08500.06 Curtain wall
08500.07 Alum. panning
08500.08 Sealant

08710.00 Finish Hardware

08800.01 Float glass
08800.02 Tempered glass
08800.03 Wire glass
08800.04 Laminated glass
08800.05 Insulating glass

08900.00 Curtain wall

09200.01 Lathe & Plaster

09250.01 Gypsum board wall construction
09250.02 Gypsum board ceiling construction
09250.03 Metal stud(s)
09250.04 Metal stud track
09250.05 Furring channel
09250.06 Cold rolled channel
09250.07 Gypsum wall board
09250.08 Moisture-resistant gypsum board
09250.09 Fire-resistant gypsum board
09250.10 Control joint
09250.11 Corner bead
09250.12 Casing bead
09250.13 Deflection track
09250.14 Acoustical insulation
09250.15 Cond. board
09250.16 1" Shaft Liner

09300.01 Ceramic wall tile
09300.02 Ceramic floor tile
09300.03 Ceramic tile base

09400.00 Patch Terrazzo

09500.01 Acoustical tile/panel ceiling system
09500.02 Pre-finished metal suspension system
09500.03 Pre-finished metal trim
09500.04 1 x 1 ACT Panels adhered

09650.01 Vinyl composition tile
09650.02 Sheet flooring
09650.03 Vinyl base
09650.04 One piece rubber stair tread and riser
09650.05 Rubber flooring - seamless

09680.01 Carpeting

09700.01 Composite synthetic Gym flooring

10100.01 Chalkboards, markerboards, tackboards

10150.01 Compartments & cubicles

10200.01 Louvers & vents

10400.01 Identifying devices

10800.01 Toilet paper dispenser - TPD
10800.02 Sanitary napkin receptacle - SNR
10800.03 Sanitary napkin/tampon dispenser - SND
10800.04 Paper Towel dispenser/receptacle - PTD/R
10800.05 3'-6" Knurled grab bar - GB
10800.06 Wall mounted soap dispenser - WSD
10800.07 Not Used
10800.08 Mirror with stainless steel frame
10800.09 Mop rack/shelf assembly

10990.01 Fire extinguisher
10990.02 Fire extinguisher and cabinet
10990.03 Expansion Joints

11132.01 Projection Screens

11480.01 Gymnasium equipment

12500.01 Fixed Casework

12500.01 Window treatment

12690.01 Floor mats & frames

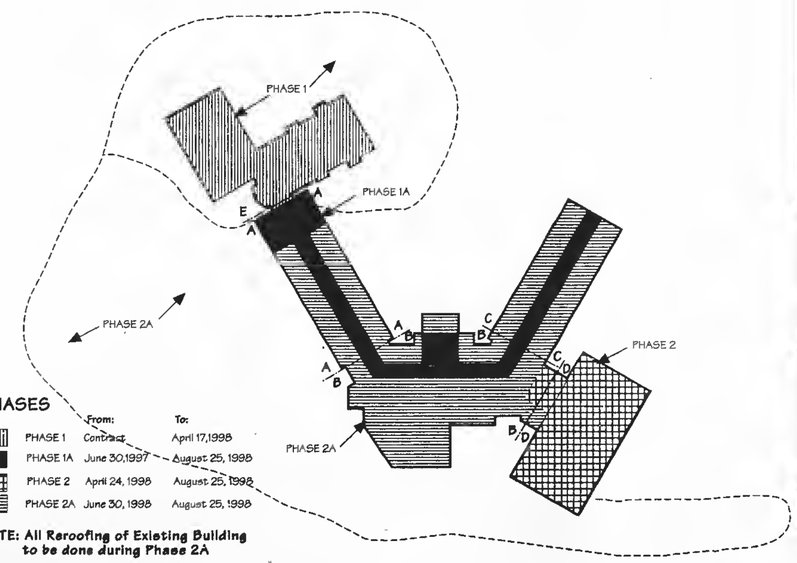
14200.01 Elevators

15400.01 Plumbing - Refer to Plumbing Drawings
15400.03 Drinking fountain/Electric water cooler, Handicapped accessible - Refer to Plumbing Drawings
15400.04 Water closet - Handicapped accessible - HCWC
15400.05 Water closet - WC
15400.06 Urinal - Handicapped accessible - HCUR
15400.07 Urinal - UR
15400.08 Lavatory
15400.09 Lavatory - Handicapped accessible
15400.10 Floor drain - Refer to Plumbing Drawings
15400.11 Roof drain - Refer to Plumbing Drawings

15600.01 Mechanical unit - Refer to HVAC Drawings
15600.02 Ductwork - Refer to HVAC Drawings
15600.03 HVAC piping - Refer to HVAC Drawings
15600.04 Fin tube radiation

16000.01 Electrical fixture - Refer to Electrical Drawings
16000.02 Exit sign - Refer to Electrical Drawings
16000.03 Clock refer to Electrical
16000.04 Speaker refer to Electrical

16740.00 Technology Systems



PHASES

	From:	To:
PHASE 1	Contract	April 17,1998
PHASE 1A	June 30,1997	August 25, 1998
PHASE 2	April 24, 1998	August 25, 1998
PHASE 2A	June 30, 1998	August 25, 1998

NOTE: All Reroofing of Existing Building to be done during Phase 2A

Stamp:

Revisions:

ANTHONY TAPPÉ AND ASSOCIATES, INC.
ARCHITECTS AND PLANNERS
SIX EDGERLY PLACE, BOSTON, MASSACHUSETTS 02116

ADDITION AND RENOVATIONS TO THE

Pine Hill Elementary School

Sherborn, Massachusetts

Title: Symbols, Abbreviations, Keynotes, Legend, Phasing Plan

Date: 3/20/97 Drawn By: SFW
Scale: N.T.S. Job No.: 9608.0

Sheet: AO.1

WING "F" CLASSROOMS
CONST. TYPE 2C NON COMBUSTIBLE
UNPROTECTED
USE GROUP E
WING "E" GYM
CONST. TYPE 2C NON COMBUSTIBLE
UNPROTECTED
USE GROUP A

TYPE E EGRESS: W/O FIRE SUPPRESSION
FROM TABLE 805 780 CMR EGRESS WIDTH PER OCCUPANT
STAIRS 0.3"/PER
DOORS, RAMPS & CORRIDORS 0.2"/PER
OCCUPANCY CALCULATIONS FROM TABLE 806 780 CMR
MAXIMUM FLOOR AREA ALLOWANCE PER OCCUPANT

KEYNOTES

02200.00 Earthwork
02100.00 Demolition
03300.01 Concrete - Refer to Structural Drawings
03300.02 Concrete foundation/footing - Refer to Structural Drawings
03300.03 Concrete slab on grade - Refer to Structural Drawings
04200.01 Masonry veneer construction
04200.02 Load bearing masonry wall construction
04200.03 Face Brick
04200.04 Reinforcing
04200.05 Flashing
04200.06 Brick
04200.07 Control joint
04200.08 Pointing
04200.09 2" Rigid insulation
04200.10 Thru wall flashing
04200.11 CMU
04200.12 Precast Concrete
04200.13 Split Rib CMU
04200.14 Ground face CMU
04200.15 Field Ribs
04200.16 Bond Beam CMU
04200.17 Center Scored CMU
04200.18 Glass Block
05100.01 Structural steel - Refer to Structural Drawings
05100.02 Steel beam/column - Refer to Structural Drawings
05200.01 Steel joists - Refer to Structural Drawings
05200.02 Joist seat - Height varies - Refer to Structural Drawings
05300.01 Metal decking - Refer to Structural Drawings
05500.02 Pour stop/side closure
05500.03 Patch roof deck - refer to structural drawings
05400.01 Cold formed metal framing system
05400.02 Metal stud(s)
05400.03 Track
05400.04 Deflection track
05400.05 Channel bridging
05400.06 Exterior gypsum sheathing
05500.01 Structural steel lintels - Refer to Structural Drawings
05500.02 Galvanized loose lintels - Refer to Loose Lintel Schedule on Structural Drawings
05500.03 Steel handrail assembly
05500.04 Steel guardrail assembly
05500.05 Steel pan stair assembly
05100.01 Pressure treated wood blocking
06100.02 Wood blocking
06100.03 Pressure treated plywood
06100.04 Plywood
06100.05 Pressure treated wood framing
06100.06 Wood framing
06100.07 Veneer
06200.01 Interior finish carpentry, paint finish
06200.02 Softwood trim, paint finish
06200.03 Veneer plywood
06200.04 Vertical "T & G" Cedar Siding to match building
07100.01 Exterior sealant
07100.02 Interior sealant
07100.03 Exterior sealant and backer rod
07100.04 Interior sealant and backer rod
07100.05 Dampproofing
07100.06 Bituthene
07200.01 Roof/wall batt insulation
07200.02 Rigid insulation
07200.03 Fire safing insulation
07200.04 Vapor barrier
07500.01 Modified bitumen membrane system
07500.02 Flashing
07500.03 Roof edge fascia/gravel stop
07500.04 Metal hook strip/cleat
07500.05 Rigid insulation
07500.06 Tapered rigid insulation
07500.07 Pre-formed metal
07500.08 Gutters
07500.09 EPDM
07500.10 Not used
07500.11 Brake metal
07500.12 Metal fascia
07500.13 Lead coated flashing
07500.14 Downspouts
07500.15 Splash Blocks
07500.16 Crickets (1/4" slope)
07500.17 Expansion joint
07500.18 Scupper
07500.19 Termination Bar
07500.20 Sealant
08110.01 Hollow metal frame - Refer to Door Schedule
08110.02 Hollow metal door - Refer to door schedule
08210.01 Acoustic door - Refer to door schedule
08500.01 Aluminum window(s)
08500.02 Anchor clip
08500.03 Insect screen
08500.04 Sealant
08500.05 Alum. insulated panel
08500.06 Curtainwall
08500.07 Alum. panning
08500.08 Sealant
08500.09 Sealant
08500.01 Tempered glass
08500.02 Fire glass
08500.03 Laminated glass
08500.04 Insulating glass
08500.05 Sealant
08200.01 Wood door
08200.02 Gypsum board ceiling construction
08200.03 Gypsum board ceiling construction
08200.04 Metal stud(s)
08200.05 Metal stud track
08200.06 Furring channel
08200.07 Gold rolled channel
08200.08 Gypsum wall board
08200.09 Moisture-resistant gypsum board
08200.10 Fire-resistant gypsum board
08200.11 Control joint
08200.12 Corner bead
08200.13 Ceiling bead
08200.14 Deflection track
08200.15 Acoustical insulation
08200.16 Conc. board
08200.17 Sound insulation
08800.01 Ceramic tile
08800.02 Ceramic floor tile
08800.03 Ceramic tile base
08800.04 Epoxy grout
08800.05 Acoustical ceiling system
08800.06 Pre-finished metal suspension system
08800.07 Pre-finished metal trim
08800.08 Lay in ACT Panels adhered
08800.09 Carpet tile
08800.10 Sheet flooring
08800.11 Vinyl base
08800.12 One piece rubber stair tread and riser
08800.13 Rubber flooring - seamless
08800.14 Composite synthetic gym flooring
08800.15 Sealer/polish for gym floor
08800.16 Paint
08800.17 Blinds
08800.18 Window sills
08800.19 Shelving
10800.01 Paper towel dispenser - TPD
10800.02 Sanitary napkin receptacle - SNR
10800.03 Sanitary napkin/tampon dispenser - SND
10800.04 Paper towel dispenser/receptacle - PTD/R
10800.05 5'-6" Knurled grab bar - GB
10800.06 Wall mounted soap dispenser - WSD
10800.07 Not used
10800.08 Mirror with stainless steel frame
10800.09 Toilet seat/seat assembly
10400.01 Fire extinguisher
10400.02 Fire extinguisher and cabinet
10400.03 Expansion joints
10400.01 Projection Screens
10400.02 Bulletin board
10400.03 Chalkboards
10400.01 Window/Lockers
10400.02 Floor mats & frames
10400.01 Signs
19400.01 Plumbing - Refer to Plumbing Drawings
19400.03 Drinking fountain/Electric water cooler, Handicapped accessible - Refer to Plumbing Drawings
19400.04 Water closet - Handicapped accessible - HCWC
19400.05 Water closet - WC
19400.06 Urinal - Handicapped accessible - HCUR
19400.07 Urinal - UR
19400.08 Lavatory
19400.09 Lavatory - Handicapped accessible
19400.10 Floor drain - Refer to Plumbing Drawings
19400.11 Roof drain - Refer to Plumbing Drawings
19500.01 Mechanical - Refer to HVAC Drawings
19500.02 Ductwork - Refer to HVAC Drawings
19500.03 HVAC piping - Refer to HVAC Drawings
19000.01 Electrical - Refer to Electrical Drawings
19000.02 Bell sign - Refer to Electrical Drawings
19000.03 Clock: refer to Electrical
19000.04 Speaker: refer to Electrical
19740.00 Technology Systems

Stamp:

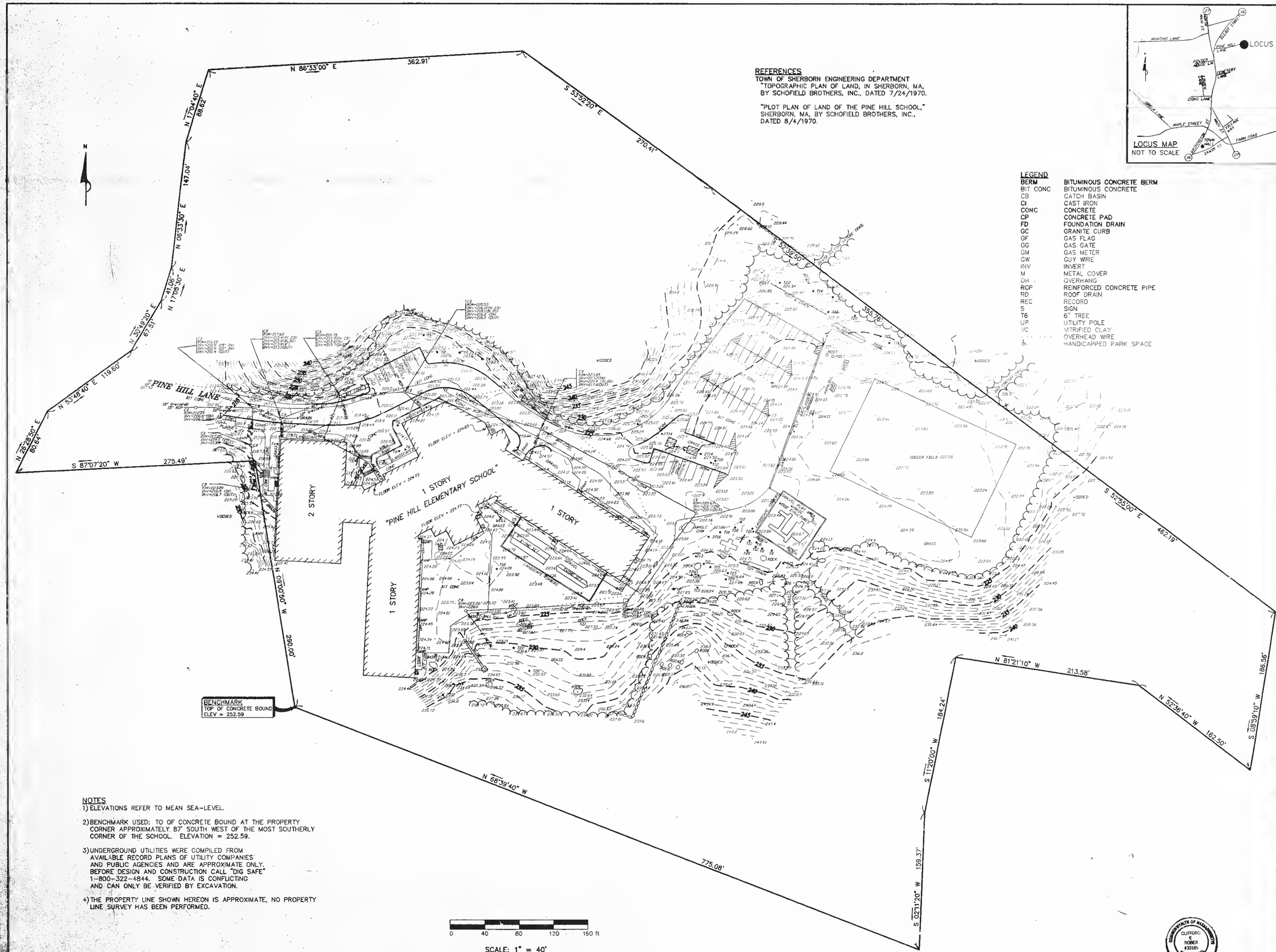
Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0300 Facsimile 617-451-3899

Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

Title:
Code Review Floor Plan

Date: 3/20/97 Drawn By: MDD
Scale: 1/16"=1'-0" Job No.: 9606
Sheet:
A0.2



REFERENCES
TOWN OF SHERBORN ENGINEERING DEPARTMENT
"TOPOGRAPHIC PLAN OF LAND, IN SHERBORN, MA, BY SCHOFIELD BROTHERS, INC., DATED 7/24/1970.

"PLOT PLAN OF LAND OF THE PINE HILL SCHOOL," SHERBORN, MA, BY SCHOFIELD BROTHERS, INC., DATED 8/4/1970.

LEGEND

BERM	BITUMINOUS CONCRETE BERM
BIT CONC	BITUMINOUS CONCRETE
CB	CATCH BASIN
CI	CAST IRON
CONC	CONCRETE
CP	CONCRETE PAD
FD	FOUNDATION DRAIN
GC	GRANITE CURB
GF	GAS FLAG
GG	GAS GATE
GM	GAS METER
GW	GUY WIRE
INV	INVERT
M	METAL COVER
OH	OVERHANG
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REC	RECORD
S	SIGN
T6	6" TREE
UP	UTILITY POLE
VC	VITRIFIED CLAY
- - - - -	OVERHEAD WIRE
♿	HANDICAPPED PARK SPACE

NOTES
1) ELEVATIONS REFER TO MEAN SEA-LEVEL.

2) BENCHMARK USED: TO OF CONCRETE BOUND AT THE PROPERTY CORNER APPROXIMATELY 87' SOUTH WEST OF THE MOST SOUTHERLY CORNER OF THE SCHOOL. ELEVATION = 252.59.

3) UNDERGROUND UTILITIES WERE COMPILED FROM AVAILABLE RECORD PLANS OF UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY. BEFORE DESIGN AND CONSTRUCTION CALL "DIG SAFE" 1-800-322-4844. SOME DATA IS CONFLICTING AND CAN ONLY BE VERIFIED BY EXCAVATION.

4) THE PROPERTY LINE SHOWN HEREON IS APPROXIMATE, NO PROPERTY LINE SURVEY HAS BEEN PERFORMED.

CLIFFORD E. ROBER, PLS No. 33189 10/30/96

COMMONWEALTH OF MASSACHUSETTS CLIFFORD E ROBER #33189 PROFESSIONAL LAND SURVEYOR

A. ANTHONY TAPPÉ AND ASSOCIATES, INC.
Architecture, Planning and Development
6 EDGERLY PLACE, BOSTON, MASSACHUSETTS 02116
(617) 451-0200

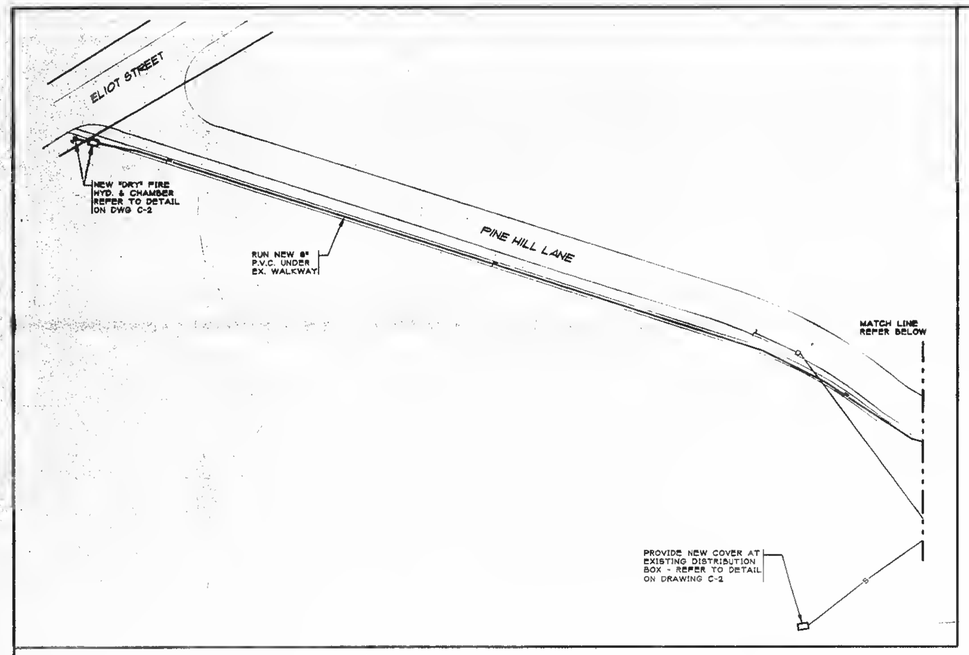
H & R SURVEY
PROFESSIONAL LAND SURVEYORS
1068A MASSACHUSETTS AVENUE, ARLINGTON, MASSACHUSETTS 02174
(617) 648-5533

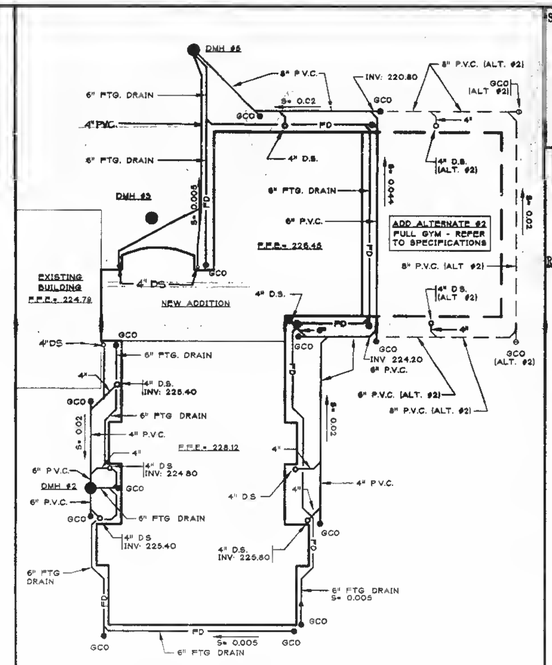
PINE HILL ELEMENTARY SCHOOL
SHERBORN, MASSACHUSETTS

TITLE
TOPOGRAPHIC PLAN OF LAND IN SHERBORN, MA
(MIDDLESEX COUNTY)

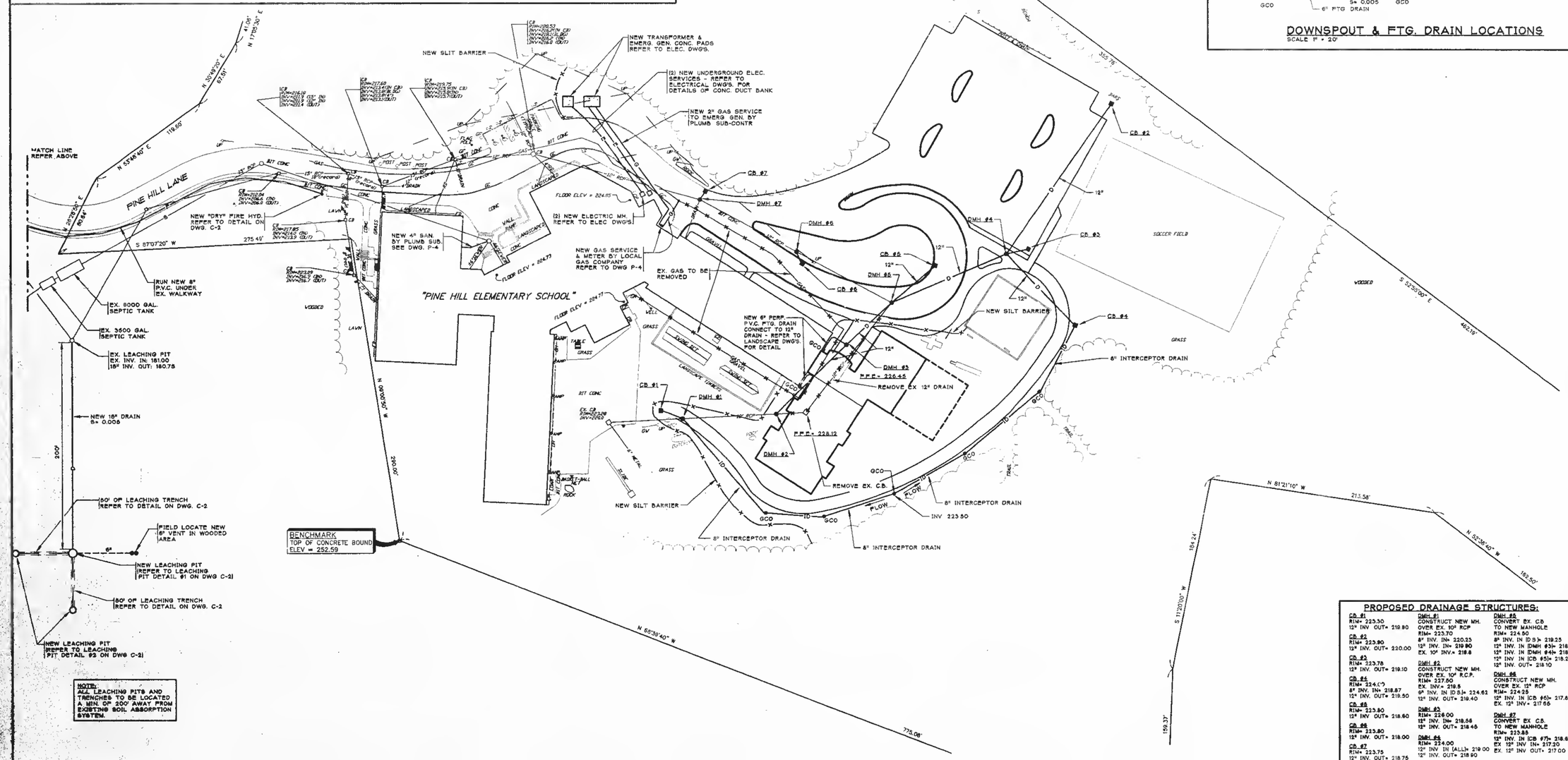
Date: 10/14/1996 Drawn By: MAP
Scale: 1" = 40' Job No: HR-1258

SHEET:
SP-1





DOWNSPOUT & FTG. DRAIN LOCATIONS
SCALE 1" = 20'



PROPOSED DRAINAGE STRUCTURES:

CB #1
RIM= 223.30
12" INV. OUT= 219.80

CB #2
RIM= 223.80
12" INV. OUT= 220.00

CB #3
RIM= 223.78
12" INV. OUT= 219.10

CB #4
RIM= 224.00
8" INV. IN= 218.87
12" INV. OUT= 218.50

CB #5
RIM= 223.80
12" INV. OUT= 218.60

CB #6
RIM= 223.80
12" INV. OUT= 218.00

CB #7
RIM= 223.75
12" INV. OUT= 218.75

DMH #1
CONSTRUCT NEW MH. OVER EX. 10" RCP
RIM= 223.70
8" INV. IN= 220.25
12" INV. IN= 219.80
EX. 10" INV.= 219.8

DMH #2
CONSTRUCT NEW MH. OVER EX. 10" R.C.P.
RIM= 227.60
EX. INV.= 219.5
6" INV. IN (D.S.)= 224.62
12" INV. OUT= 219.40

DMH #3
RIM= 224.00
12" INV. IN= 218.56
12" INV. OUT= 218.45

DMH #4
RIM= 224.00
12" INV IN (ALL)= 219.00
12" INV. OUT= 218.90

DMH #5
CONVERT EX. C.B. TO NEW MANHOLE
RIM= 224.50
8" INV. IN (D.S.)= 219.25
12" INV. IN (DMH #3)= 218.30
12" INV. IN (DMH #4)= 218.20
12" INV. IN (CB #5)= 218.20
12" INV. OUT= 218.10

DMH #6
CONSTRUCT NEW MH. OVER EX. 12" RCP
RIM= 224.25
12" INV. IN (CB #5)= 217.80
EX. 12" INV.= 217.65

DMH #7
CONVERT EX. C.B. TO NEW MANHOLE
RIM= 223.85
12" INV. IN (CB #7)= 218.60
EX. 12" INV. IN= 217.20
EX. 12" INV. OUT= 217.00

Stamp:

Revisions:

A.Anthony Tappe & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

GARCIA & GALUSKA, INC.
CONSULTING ENGINEERS
609 COUNTY ST., NEW BEDFORD MA 02740-6517
508-995-3398 • FAX 508-990-7021

Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

Title: Site Utilities

Date: 3-20-97 Drawn By: CMG
Scale: 1" = 40' Job No.: 9606.0

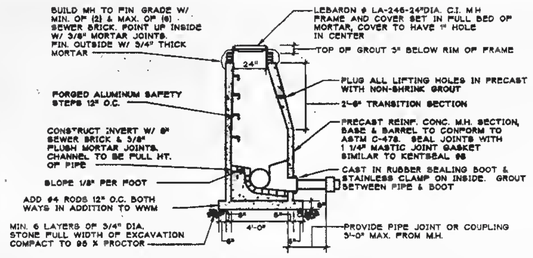
Sheet: C-1

SITE LEGEND

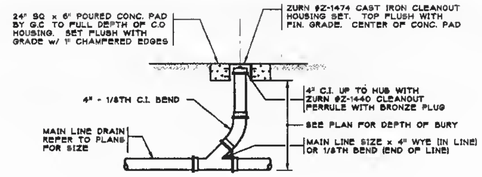
SYMBOL	ABBREV.	DESCRIPTION
	NEW	NEW WORK (DARK)
	EX	EXISTING WORK (LIGHT)
—S—	S	SANITARY SEWER
—D—	D	STORM DRAIN
—ID—	ID	INTERCEPTOR DRAIN
—W—	W	WATER PIPE
—G—	G	GAS MAIN
—F—	F	FIRE SERVICE
—FD—	FD	FOUNDATION DRAIN
—OHW—	OHW	OVERHEAD WIRE
—P—		PROPERTY LINE
	E.P.	EDGE OF PAVING
	EWL	EDGE OF WETLANDS
—x—x—x—	S.B.	SILT BARRIER
177		EXISTING CONTOUR
177		FINISH CONTOUR
	CCB	CAPE COD BERM
	PCC	PRECAST CONC. CURB
	GC	GRANITE CURB
	BIT CONC	BITUMINOUS CONCRETE
	BCC	BITUMINOUS CONCRETE CURB
230		EXISTING SPOT GRADE
+230		FINISH SPOT GRADE
	M.H.	NEW MANHOLE (SMH=SEWER MANHOLE)
	M.H.	EXISTING MANHOLE
	C.B.	NEW CATCH BASIN
	C.B.	EXISTING CATCH BASIN
	F.H.	FIRE HYDRANT
	G.V.	GATE VALVE AND CURB BOX
	HDCP	HANDICAP SYMBOL(PARKING SPACE)
		TRAFFIC FLOW DIRECTION
	CTB	CONCRETE THRUST BLOCK
	HW	HEADWALL
		WETLANDS
	F.F.E.	FINISH FLOOR ELEVATION(FIRST FLOOR)
	(S)INV.	INVERT ELEVATION (S)=SANITARY ETC.
	C.T.E	POINT OF CONNECTION TO EXISTING
	UP	UTILITY POLE
	VC	VITRIFIED CLAY
	RCP	REINFORCED CONCRETE PIPE
	CI	CAST IRON

GENERAL NOTES

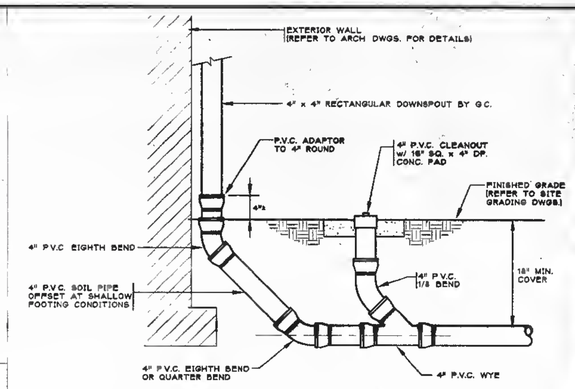
1. REFER TO SURVEY PLAN FOR COMPLETE TOPOGRAPHIC AND UTILITY INFORMATION.
2. CONTRACTOR SHALL RETAIN THE SERVICES OF A REGISTERED LAND SURVEYOR TO LAYOUT ON THE GROUND ALL NEW ELEMENTS OF WORK. THE NEW WORK IS TO BE COMPLETED, MARKED, AND LAID OUT ON THE GROUND, REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. IF ANY WORK IS INSTALLED PRIOR TO THE ABOVE REQUIREMENT BEING MET, AND IF THE WORK IS NOT SATISFACTORY IN LAYOUT TO THE ARCHITECT, CONTRACTOR SHALL REPLACE THE WORK AT NO COST.
3. PRIOR TO ANY EXCAVATION, IN ADDITION TO "DIG SAFE", NOTIFY APPROPRIATE UTILITY COMPANY OR AUTHORITY TO VERIFY EXACT DEPTH AND LOCATION OF UNDERGROUND UTILITIES. LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE ONLY AND THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND PROTECT UTILITIES IN THE FIELD WHETHER OR NOT SHOWN ON THE DRAWINGS.
4. REFER TO THE SPECIFICATIONS. IN ADDITION TO THOSE REQUIREMENTS, SITE PREPARATION SHALL ALSO INCLUDE THE FOLLOWING:
   A. IN THE COURSE OF INSTALLING THE UNDERGROUND UTILITIES, REMOVE ANY ABANDONED FOUNDATION, UTILITY STRUCTURES, ETC. ENCOUNTERED WHICH INTERFERE WITH THE UTILITY WORK. ALL SUCH STRUCTURES SHALL BE COMPLETELY REMOVED AND SHALL BE BACKFILLED WITH GRAVEL COMPACTED IN 8" LIFTS TO 95% COMPACTION TO 6" BELOW THE BOTTOM OF THE PIPE AND UTILITY.
   B. IF DURING EXCAVATION THE TRENCH WIDTH EXCEEDS THE SUM OF THE PIPE O.D. PLUS 2'-0", PLACE AND COMPACT THE FILL TO 12" ABOVE THE PIPE AND RE-EXCAVATE TO REQUIRED GRADES.
5. STORM DRAINS 12" AND OVER SHALL BE ADVANCED DRAINAGE SYSTEMS, INC. N-12 CORRUGATED POLYETHYLENE PIPE, SMOOTH INTERIOR, WITH N-12 COUPLINGS AND FITTINGS.
6. STORM DRAINS 10" AND UNDER SHALL BE JOHNS-MANVILLE ASTM D-3034 SDR-35 P.V.C. SEWER PIPE WITH PUSH-ON RUBBER RING JOINTS.
7. DRY FIRE SERVICE PIPE SHALL BE JOHNS-MANVILLE "BLUE BRUTE" CLASS 150 AWWA WATER PIPE WITH PUSH-ON "RING-TITE" JOINTS. WHERE DRAWINGS SHOW "DUCTILE IRON", PIPE SHALL BE CLASS 52 DOUBLE CEMENT LINED DUCTILE IRON WITH TYTON JOINTS. FITTINGS FOR P.V.C. AND DUCTILE IRON SHALL BE 250 lb. GREY IRON CASTINGS WITH MECHANICAL JOINT ENDS. ALL BENDS, TEES, ETC. SHALL BE JOINT RESTRAINED BY THE USE OF (4) 1/2"ø GALVANIZED RODS EXTENDING 5' ALONG BARREL OF PIPE APPXIXED TO PIPE WITH FRICTION CLAMP. CONCRETE THRUST BLOCKS SHALL NOT BE USED.
8. CHECK VALVES SHALL BE CAST IRON BODY BRONZE MOUNTED, AWWA, 175 PSI, WITH FLANGED ENDS.
9. THE SILT FENCE SHALL BE INSTALLED PRIOR TO ANY WORK IN THE AREA SHOWN. THE LOCATION OF FENCE SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO ANY WORK BEING PERFORMED



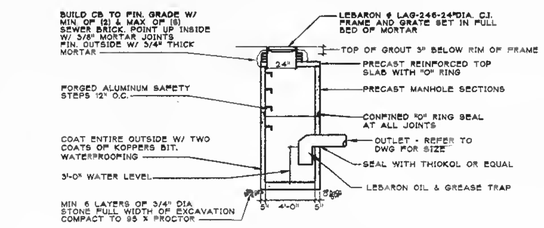
STANDARD MANHOLE DETAIL
N.T.S.



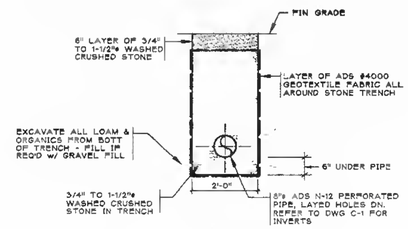
GROUND CLEANOUT DETAIL
N.T.S.



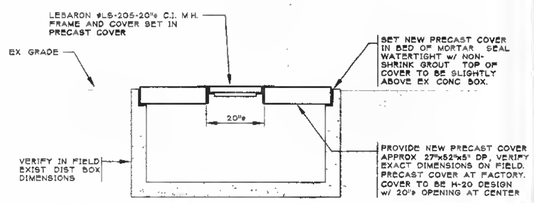
TYPICAL DOWNSPOUT CONNECTION AT GRADE
N.T.S.



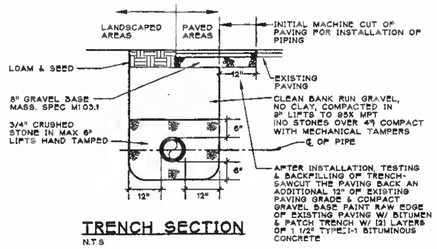
CATCH BASIN DETAIL
N.T.S.



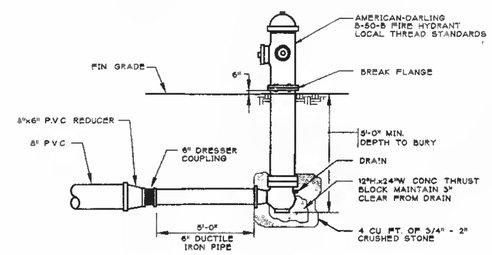
DETAIL OF INTERCEPTOR DRAIN
N.T.S.



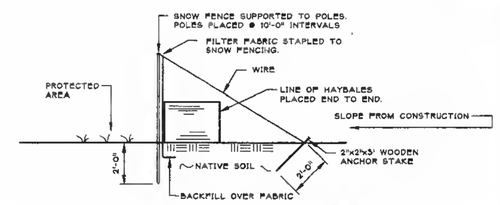
EXISTING DISTRIBUTION BOX DETAIL
NTS.



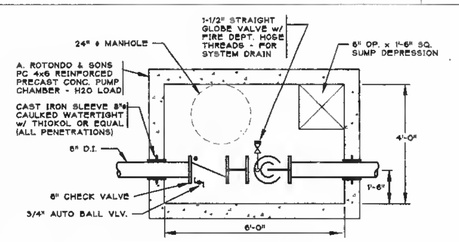
TRENCH SECTION
N.T.S



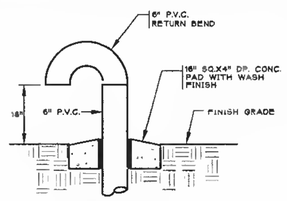
"DRY" FIRE HYDRANT DETAIL AT SCHOOL
NTS.



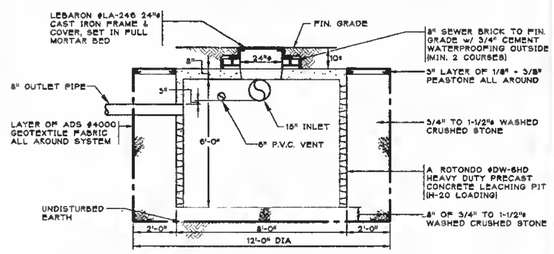
DETAIL OF SILT BARRIER
N.T.S.



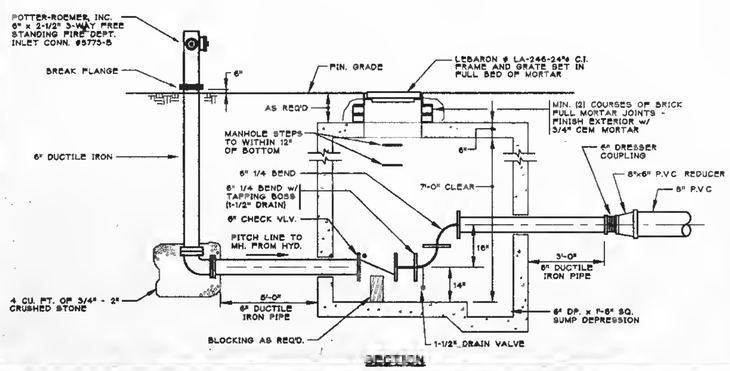
PLAN VIEW



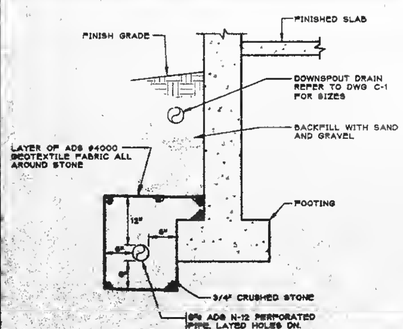
VENT DETAIL
N.T.S.



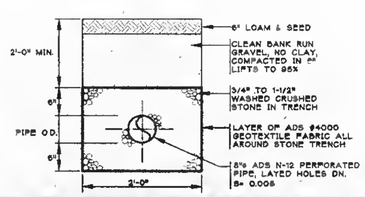
DETAIL LEACHING PIT #1
N.T.S



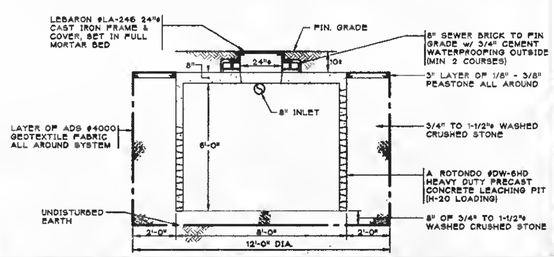
"DRY" FIRE HYDRANT DETAIL AT ELIOT STREET
NTS.



SECTION AT FOUNDATION
N.T.S.



LEACHING TRENCH DETAIL
N.T.S.



DETAIL LEACHING PIT #2
N.T.S

Stamp:

MANUEL GARCIA No. 24377 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS

Revisions:

A.Anthony Tappe & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

GARCIA & GALUSKA, INC.
CONSULTING ENGINEERS
1 ROCKDALE STREET - P.O. BOX 1 - NEW BEDFORD, MA 02740-6517
508-996-3368 • FAX 508-990-7021

Additions and Alterations to the

Pine Hill School

Sherborn, Massachusetts

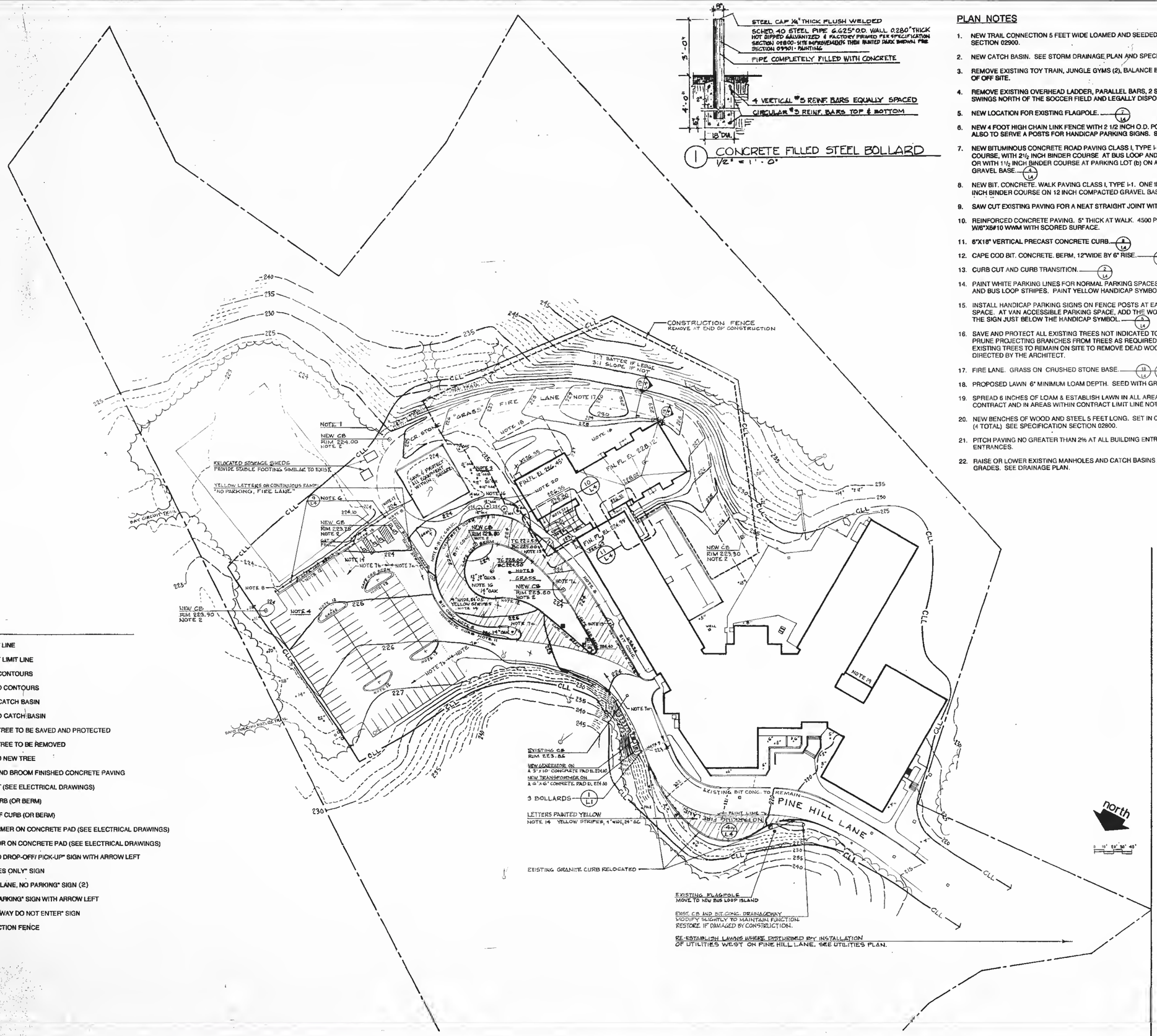
Title:

Site Legend, Notes & Details

Date: 3-20-97 Drawn By: CMG
Scale: AS NOTED Job No.: 9606.0
Sheet:

C-2

1 CONCRETE FILLED STEEL BOLLARD
1/2" = 1'-0"



LEGEND

- PROPERTY LINE
- CLL — CONTRACT LIMIT LINE
- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN
- EXISTING TREE TO BE SAVED AND PROTECTED
- EXISTING TREE TO BE REMOVED
- PROPOSED NEW TREE
- SCORED AND BROOM FINISHED CONCRETE PAVING
- NEW LIGHT (SEE ELECTRICAL DRAWINGS)
- TC — TOP OF CURB (OR BERM)
- BC — BOTTOM OF CURB (OR BERM)
- TR — TRANSFORMER ON CONCRETE PAD (SEE ELECTRICAL DRAWINGS)
- G — GENERATOR ON CONCRETE PAD (SEE ELECTRICAL DRAWINGS)
- A — NEW "AUTO DROP-OFF/ PICK-UP" SIGN WITH ARROW LEFT
- B — NEW "BUSES ONLY" SIGN
- FL — NEW "FIRE LANE, NO PARKING" SIGN (2)
- P — NEW "TO PARKING" SIGN WITH ARROW LEFT
- O — NEW "ONE WAY DO NOT ENTER" SIGN
- CONSTRUCTION FENCE

PLAN NOTES

1. NEW TRAIL CONNECTION 5 FEET WIDE LOAMED AND SEEDED PER SPECIFICATION SECTION 02900.
2. NEW CATCH BASIN. SEE STORM DRAINAGE PLAN AND SPECIFICATION SECTION 02720.
3. REMOVE EXISTING TOY TRAIN, JUNGLE GYMS (2), BALANCE BEAM AND LEGALLY DISPOSE OF OFF SITE.
4. REMOVE EXISTING OVERHEAD LADDER, PARALLEL BARS, 2 SETS OF BARS, POSTS AND SWINGS NORTH OF THE SOCCER FIELD AND LEGALLY DISPOSE OF OFF SITE.
5. NEW LOCATION FOR EXISTING FLAGPOLE. (7/L4)
6. NEW 4 FOOT HIGH CHAIN LINK FENCE WITH 2 1/2 INCH O.D. POSTS, FOUR OF WHICH ARE ALSO TO SERVE A POSTS FOR HANDICAP PARKING SIGNS. SEE DETAIL. (8/L4)
7. NEW BITUMINOUS CONCRETE ROAD PAVING CLASS I, TYPE I-1. 1½ INCH WEARING COURSE, WITH 2½ INCH BINDER COURSE AT BUS LOOP AND AUTO DROP-OFF AREAS (a) OR WITH 1½ INCH BINDER COURSE AT PARKING LOT (b) ON A 12 INCH COMPACTED GRAVEL BASE. (4/L4)
8. NEW BIT. CONCRETE. WALK PAVING CLASS I, TYPE I-1. ONE INCH WEARING COURSE, 1½ INCH BINDER COURSE ON 12 INCH COMPACTED GRAVEL BASE. (3/L4)
9. SAW CUT EXISTING PAVING FOR A NEAT STRAIGHT JOINT WITH NEW PAVING.
10. REINFORCED CONCRETE PAVING. 5" THICK AT WALK. 4500 PSI, 5% AIR ENTRAINMENT, W/6"X6#10 WWM WITH SCORED SURFACE.
11. 6"X18" VERTICAL PRECAST CONCRETE CURB. (8/L4)
12. CAPE COD BIT. CONCRETE. BERM, 12"WIDE BY 6" RISE. (6/L4)
13. CURB CUT AND CURB TRANSITION. (2/L4)
14. PAINT WHITE PARKING LINES FOR NORMAL PARKING SPACES. PAINT YELLOW FIRE LANE AND BUS LOOP STRIPES. PAINT YELLOW HANDICAP SYMBOLS AND AISLES.
15. INSTALL HANDICAP PARKING SIGNS ON FENCE POSTS AT EACH HANDICAP PARKING SPACE. AT VAN ACCESSIBLE PARKING SPACE, ADD THE WORDS "VAN ACCESSIBLE" TO THE SIGN JUST BELOW THE HANDICAP SYMBOL. (9/L4)
16. SAVE AND PROTECT ALL EXISTING TREES NOT INDICATED TO BE REMOVED. NEATLY PRUNE PROJECTING BRANCHES FROM TREES AS REQUIRED. CAREFULLY PRUNE ALL EXISTING TREES TO REMAIN ON SITE TO REMOVE DEAD WOOD AND ENHANCE FORM AS DIRECTED BY THE ARCHITECT.
17. FIRE LANE. GRASS ON CRUSHED STONE BASE. (18/L4) (19/L4)
18. PROPOSED LAWN 6" MINIMUM LOAM DEPTH. SEED WITH GRASS.
19. SPREAD 6 INCHES OF LOAM & ESTABLISH LAWN IN ALL AREAS DISTURBED BY CONTRACT AND IN AREAS WITHIN CONTRACT LIMIT LINE NOT OTHERWISE DEVELOPED
20. NEW BENCHES OF WOOD AND STEEL 5 FEET LONG. SET IN CONCRETE FOOTING. (4 TOTAL) SEE SPECIFICATION SECTION 02800.
21. PITCH PAVING NO GREATER THAN 2% AT ALL BUILDING ENTRANCES TO 5 FEET OUT FROM ENTRANCES.
22. RAISE OR LOWER EXISTING MANHOLES AND CATCH BASINS AS REQUIRED TO MEET NEW GRADES. SEE DRAINAGE PLAN.

BASE INFORMATION FOR THIS PLAN IS FROM THE TOPOGRAPHIC PLAN OF LAND IN SHERBORN, MA PREPARED BY H & R SURVEY, ARLINGTON, MA, DATED 10/14/1996.

Stamp:

Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Faneuil Hall Marketplace, Boston, Massachusetts 02116
Telephone 617-451-0210 Facsimile 617-451-3899

MASON AND FREY □ LANDSCAPE ARCHITECTS
1135 MASSACHUSETTS AVENUE, LEXINGTON, MA 02173 617-862-9494 FAX 617-863-9718

Additions and Alterations to the

Pine Hill School

Sherborn, Massachusetts

Title:

Grading Plan

Date: 03-20-97 Drawn By: JWF
Scale: 1" = 40' Job No.: 9606

Sheet:

L1

LAYOUT PLAN NOTES

1. SEE SHEET L1 FOR LIMIT OF WORK.
2. BASE INFORMATION FOR THIS PLAN IS FROM THE TOPOGRAPHIC PLAN OF LAND IN SHERBORN, MA PREPARED BY H & R SURVEY, ARLINGTON, MA, DATED 10/14/1996.

Stamp:

Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

MASON AND FREY □ LANDSCAPE ARCHITECTS
1133 MASSACHUSETTS AVENUE, LEXINGTON, MA 02173 617-862-5194 FAX 617-863-9718

Additions and Alterations to the

Pine Hill School

Sherborn, Massachusetts

Title:

Layout Plan

Date: 03-20-97 Drawn By: JTF
Scale: 1" = 40' Job No.: 9606

Sheet:

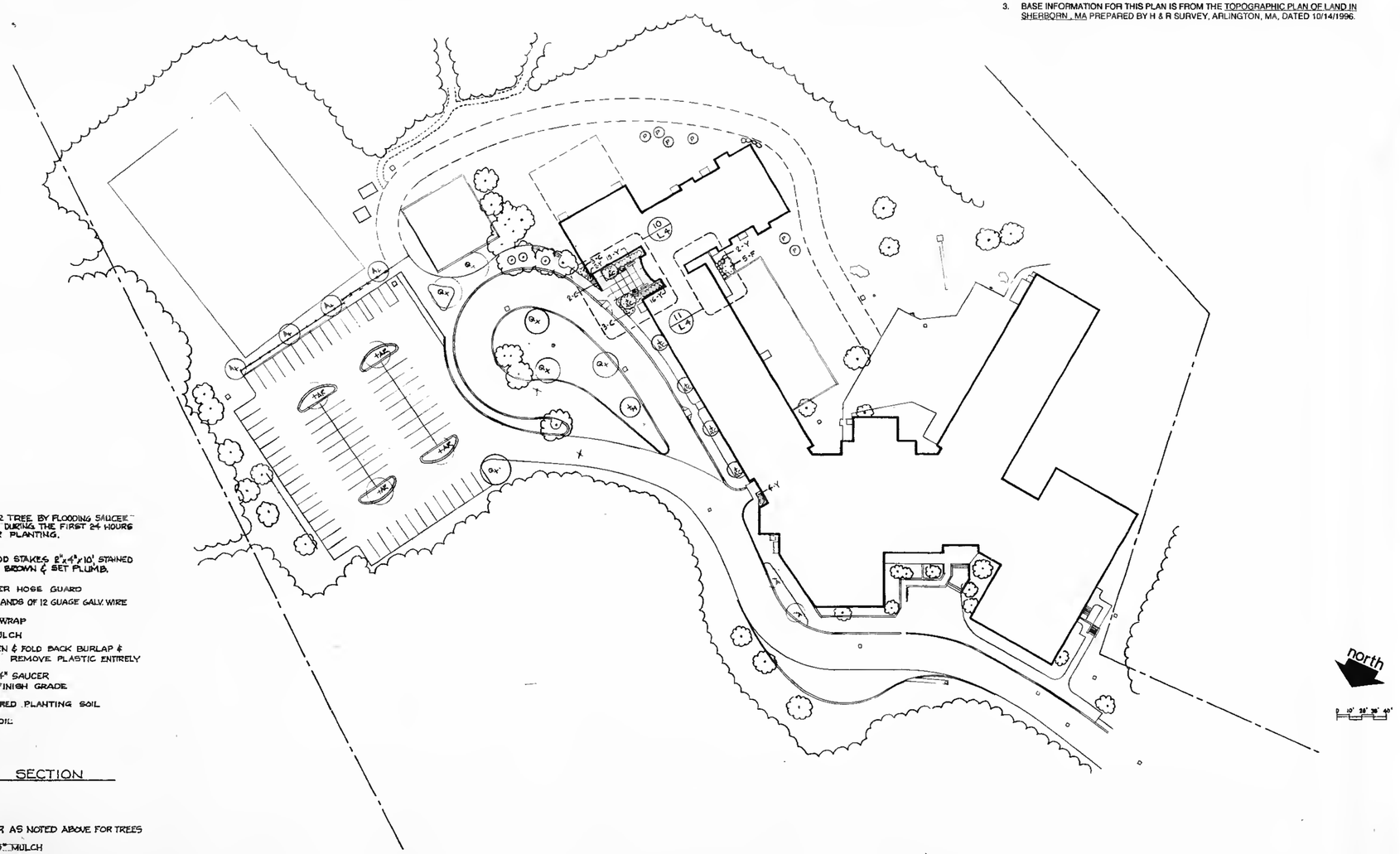
L 2

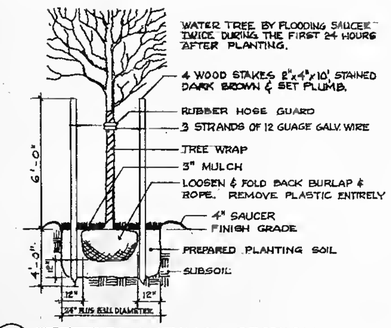
PLANT LIST

	KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	SPECIFICATION
TREES:	AC	5	ACER PLATANOIDES COLUMNARE	COLUMNAR NORWAY MAPLE	2½"-3" CAL	B&B MATCHED SELECTED SPECIMENS
	AR	4	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2½"-3" CAL.	" " " "
	A	2	" " 'ARMSTRONG'	ARMSTRONG RED MAPLE	2½"-3" CAL	" " " "
	M	1	MAGNOLIA x LOEBNERI 'MERRILL'	MERRILL MAGNOLIA	5'-6' HT.	" SELECTED SPECIMEN
	P	6	PINUS STROBUS	WHITE PINE	4'-5' HT.	" "
	Q	4	QUERCUS RUBRA	RED OAK	2½"-3" CAL	" " "
SHRUBS:	C	8	COTONEASTER APICULATA	CRANBERRY COTONEASTER	15"-18" SPD.	2 GAL. " "
	F	5	FORSYTHIA OVATA 'TETRAGOLD'	EARLY TETRAGOLD FORSYTHIA	2'-3' HT.	3 GAL. " "
	T	37	TAXUS CUSPIDATA 'LON SPREADING'	WESTON NURSERIES LOW SPREADING YEW	18"-24" SPD.	B&B " "

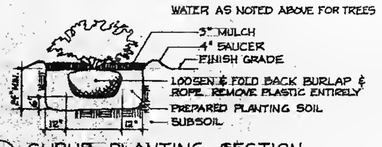
PLANTING PLAN NOTES

1. INSTALL 6 INCHES OF LOAM (TOPSOIL) AND SEED (OR SOD) ALL AREAS NOT OTHERWISE DEVELOPED. RESTORE ALL LAWNS EVEN IF NOT DAMAGED BY CONSTRUCTION.
2. SPREAD 3 INCH DEPTH OF SHREDDED BARK MULCH OVER ENTIRE SHRUB BEDS.
3. BASE INFORMATION FOR THIS PLAN IS FROM THE TOPOGRAPHIC PLAN OF LAND IN SHERBORN, MA PREPARED BY H & R SURVEY, ARLINGTON, MA, DATED 10/14/1996.





1 TREE PLANTING SECTION
3/8" = 1'-0"



2 SHRUB PLANTING SECTION
3/8" = 1'-0"

Stamp:

Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0210 Facsimile 617-451-3899

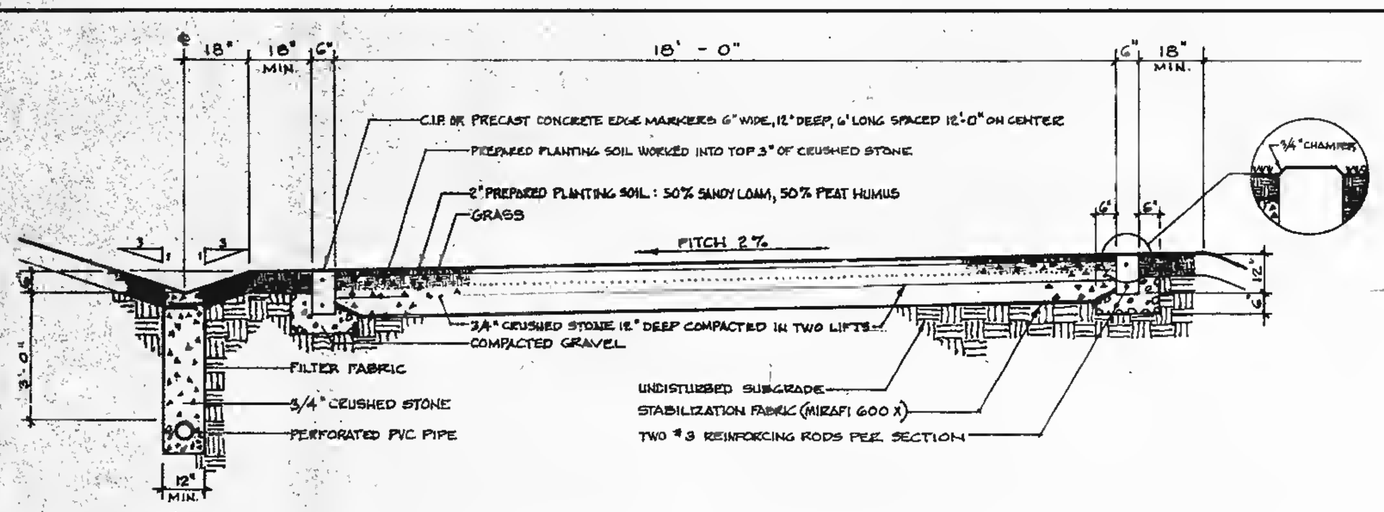
MASON AND FREY □ LANDSCAPE ARCHITECTS
1153 MASSACHUSETTS AVENUE, LEXINGTON, MA 02173 617-862-9144 FAX 617-505-1798

Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

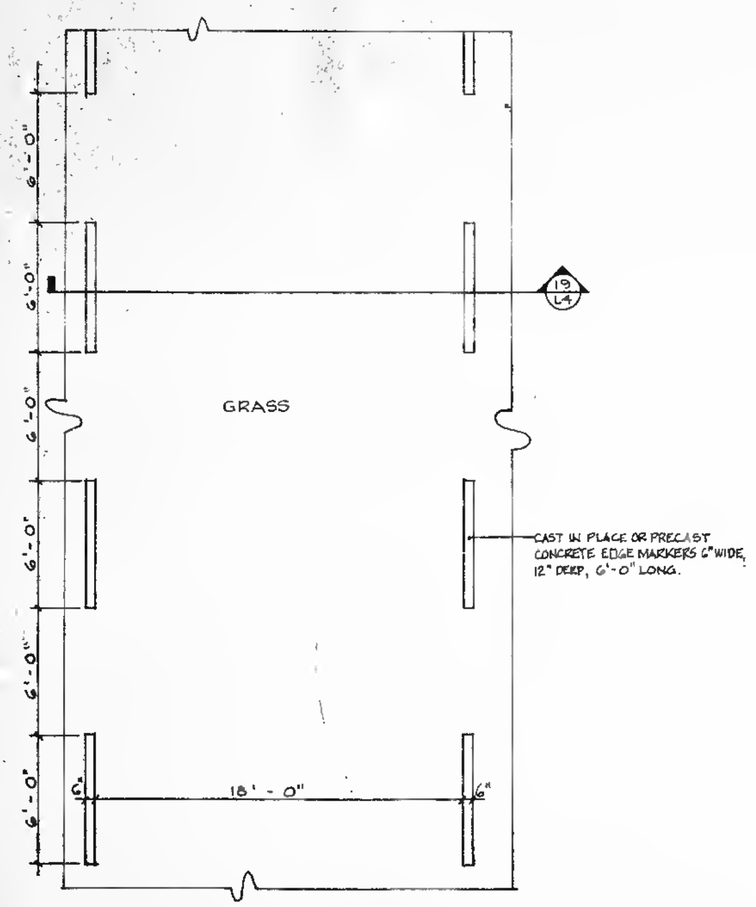
Title:
Planting Plan

Date: 05-20-97 Drawn By: JWF
Scale: 1"=40' Job No.: 9606

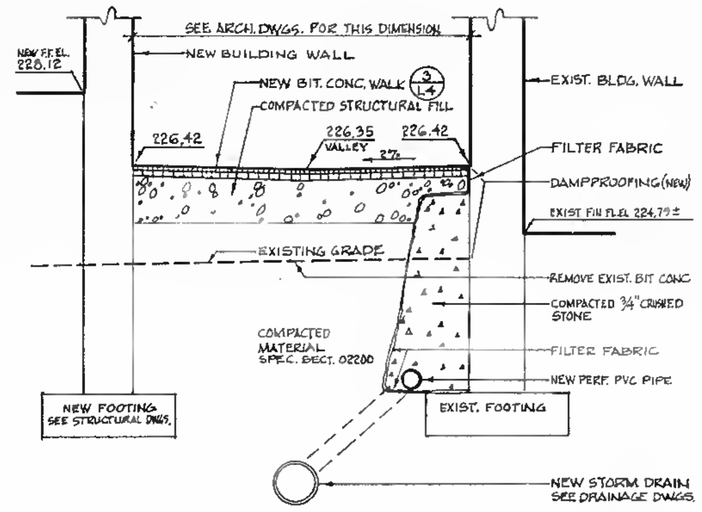
Sheet:
L 3



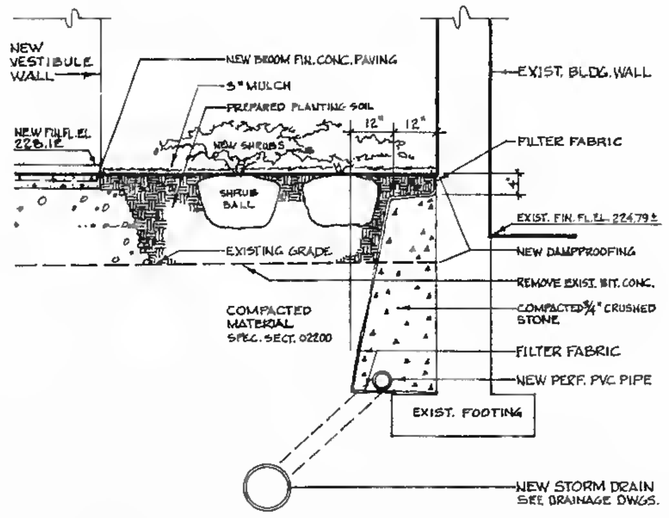
19 CROSS SECTION - FIRE LANE & INTERCEPTOR DRAIN
1/2" = 1' - 0"



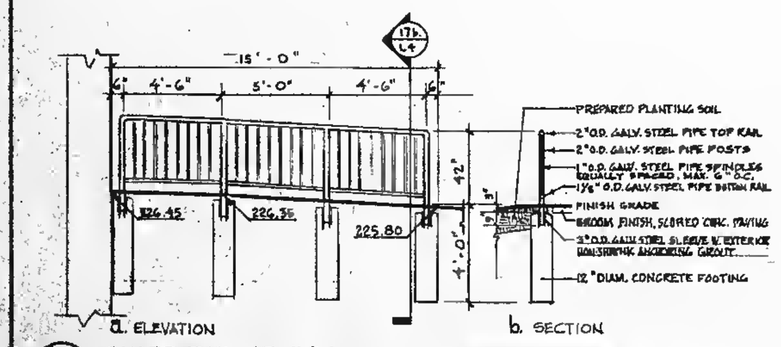
18 PLAN - "GRASS" FIRE LANE WITH CONC. EDGE MARKERS
1/4" = 1' - 0"



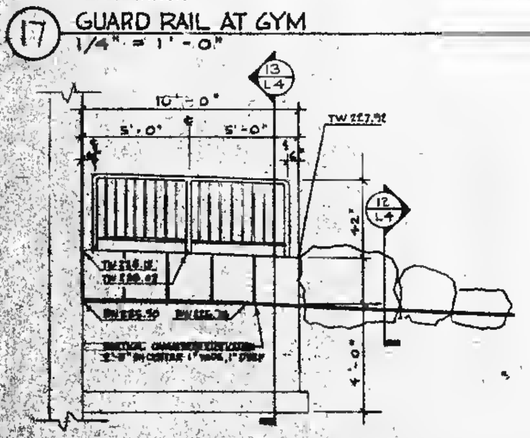
15 SECTION - WALK 5' OUT FROM REAR LOBBY DOOR
1/2" = 1' - 0"



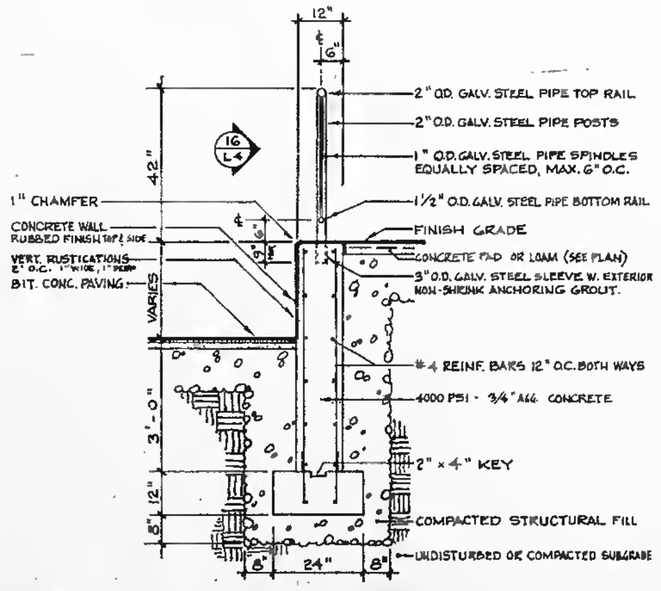
14 SECTION - SHRUB BED BETW. NEW VESTIBULE & EXIST. BLDG.
1/2" = 1' - 0"



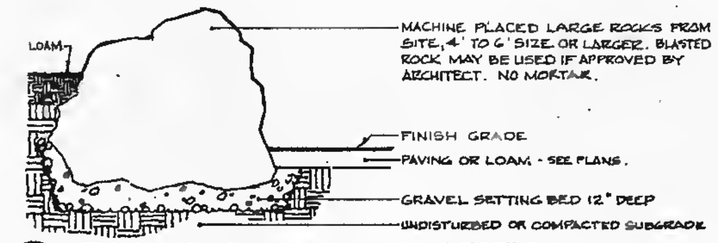
17 GUARD RAIL AT GYM
1/4" = 1' - 0"



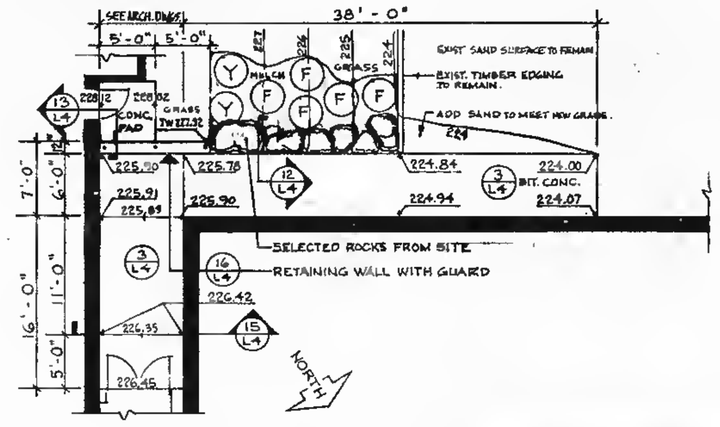
16 RETAINING WALL WITH GUARD RAIL
1/4" = 1' - 0"



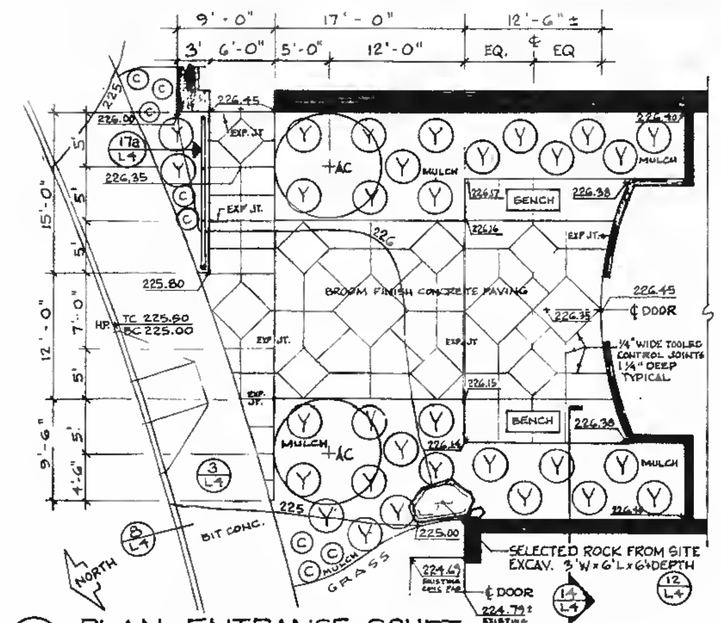
13 SECTION - CONCRETE RETAINING WALL WITH GUARD
1/2" = 1' - 0"



12 ROCK RETAINING WALL - SECTION
NO SCALE

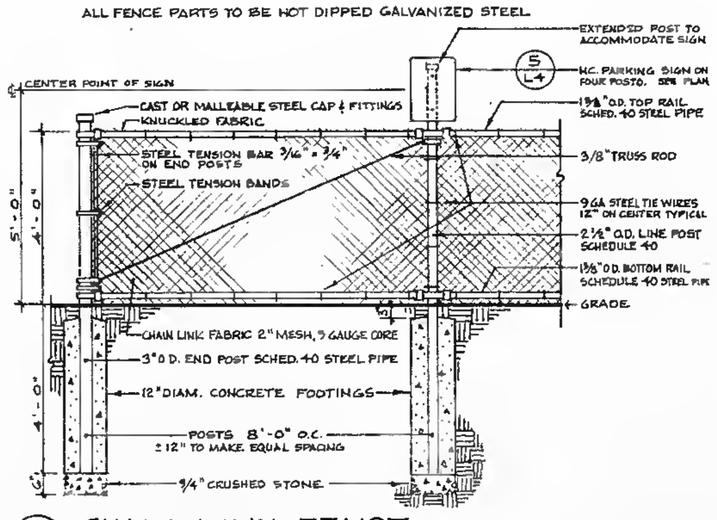


11 PLAN - REAR LOBBY EXIT AREA
1/8" = 1' - 0"

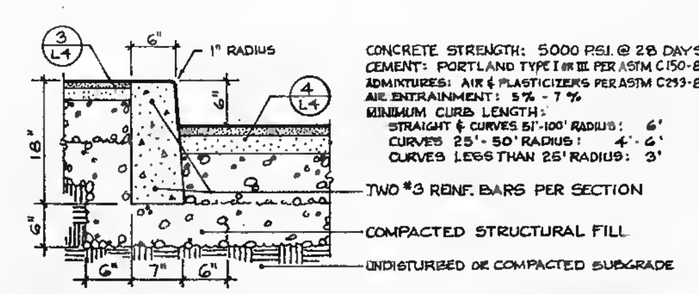


10 PLAN - ENTRANCE COURT
1/8" = 1' - 0"

ALL FENCE PARTS TO BE HOT DIPPED GALVANIZED STEEL

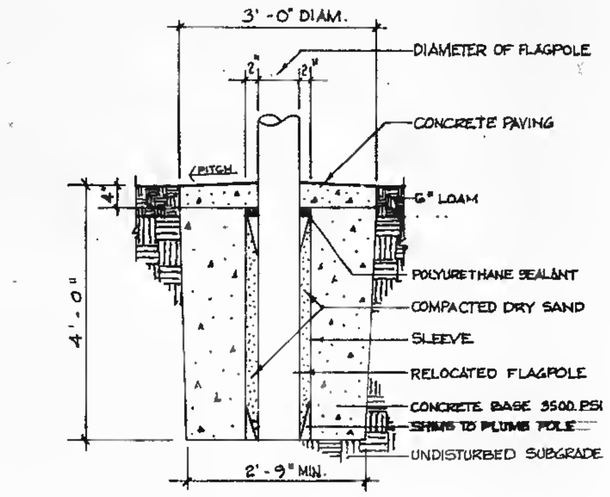


9 CHAIN LINK FENCE
1/2" = 1' - 0"

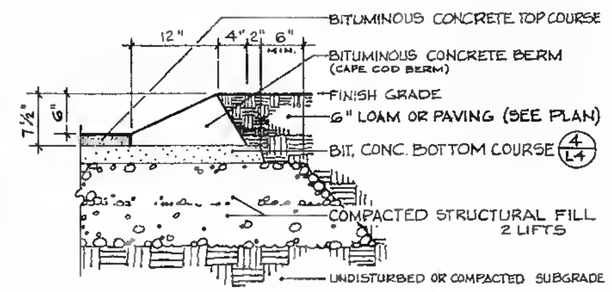


CONCRETE STRENGTH: 5000 PSI. @ 28 DAYS
CEMENT: PORTLAND TYPE I OR III PER ASTM C150-81
ADMIXTURES: AIR & PLASTICIZERS PER ASTM C233-82
AIR ENTRAINMENT: 5% - 7%
MINIMUM CURB LENGTH:
STRAIGHT & CURVES 51'-100' RADIUS: 6'
CURVES 25'-50' RADIUS: 4'-6'
CURVES LESS THAN 25' RADIUS: 3'

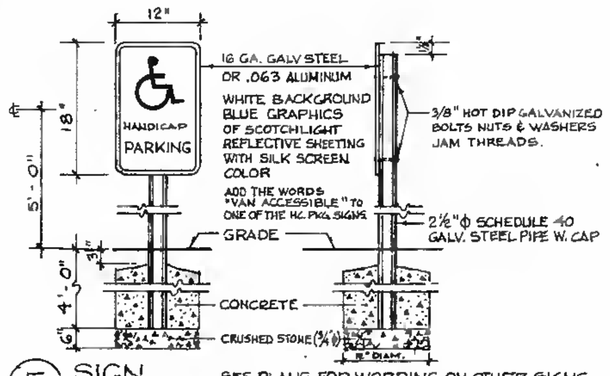
8 PRECAST CONCRETE CURB
1" = 1' - 0"



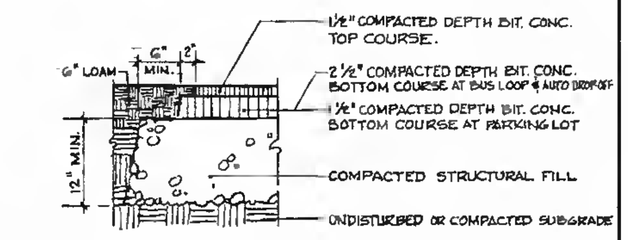
7 FLAGPOLE RESETTING
3/4" = 1' - 0"
SECTION



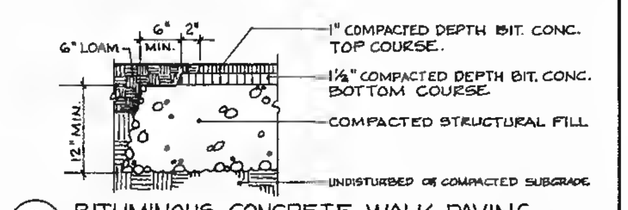
6 BITUMINOUS CONCRETE BERM
1" = 1' - 0"
SECTION



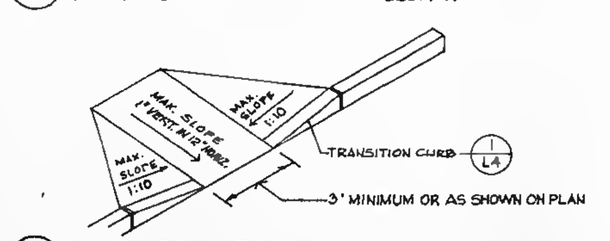
5 SIGN
1" = 1' - 0"
SEE PLANS FOR WORDING ON OTHER SIGNS



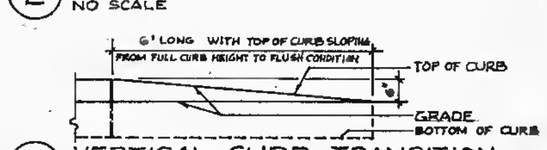
4 BITUMINOUS CONCRETE ROAD PAVING
1" = 1' - 0"
SECTION



3 BITUMINOUS CONCRETE WALK PAVING
1" = 1' - 0"
SECTION



2 HANDICAP CURB CUT - ISOMETRIC
NO SCALE



1 VERTICAL CURB TRANSITION
1/2" = 1' - 0"
SECTION/ELEVATION

Stamp:

Revisions:

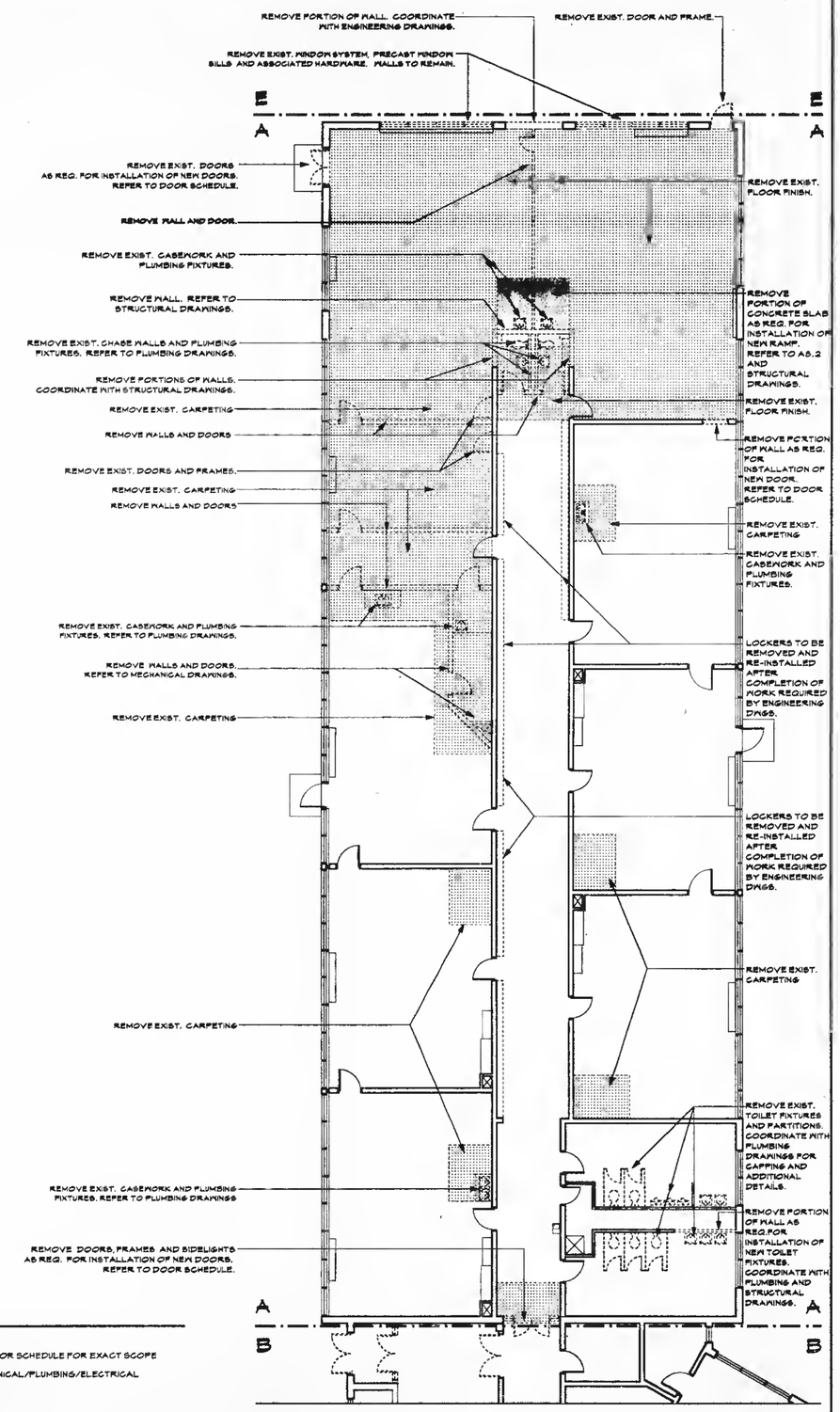
A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

MASON AND FREY ☐ LANDSCAPE ARCHITECTS
1135 MASSACHUSETTS AVENUE, LEXINGTON, MA 02173 617-862-2184 FAX 617-863-1710

Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

Title:
Landscape Details

Date: 03-20-97 Drawn By: JWF
Scale: AS SHOWN Job No.: 9606
Sheet:
L 4



1 D1.1 **Block 'A' Demolition Plan**

1/8"=1'-0"

DEMOLITION KEY:

- INDICATES PARTITION OR WALL TO BE REMOVED.
- INDICATES DOOR(S) AND/OR FRAME(S) TO BE REMOVED, SEE DOOR SCHEDULE FOR EXACT SCOPE
- INDICATES FIXTURES TO BE REMOVED, COORDINATE WITH MECHANICAL/PLUMBING/ELECTRICAL DRAWINGS
- INDICATES EXTERIOR WINDOW WALL SYSTEM TO BE REMOVED
- INDICATES FLOOR AREA TO BE REMOVED
- INDICATES REMOVAL OF PORTION OR ALL OF STRUCTURAL SLAB. COORDINATE WITH STRUCTURAL DRAWINGS

General Demolition Notes:

1. Prior to the start of demolition work, General Contractor shall determine locations of all load bearing partitions, columns, lintels, and other items, and provide temporary supports as required by their removal or relocation. Note: If unknown structural elements are encountered during demolition, shore affected construction as required, and notify the Architect and Structural Engineer immediately.
   a. Refer to the Site Plans, Demolition Plans, Floor Plans and Elevations, Roof Plan, Wall Sections, Details, Room Finish Schedule and the Specifications for additional information regarding materials Demolition and Removals.
   b. Refer to the Engineering Drawings and Specifications for additional information regarding materials Demolition and Removals.
2. Provide, install, and maintain in safe condition at all times, the following:
   a. Temporary protection required to ensure safety for all persons and property during demolition and removal work.
   b. Cap and patch all exterior openings to provide a safe, secure and weather-tight building envelope during construction.
   c. Other temporary utilities and protections as provided in the Specifications.
   d. Dust coverings to prevent the spread of dust beyond the immediate area where dust is being performed.
3. Sub-contractors shall review all demolition drawings, and note specific scopes of work to the General Contractor. General Contractor shall coordinate all demolition work with new construction and provide a "SCHEDULE OF DEMOLITION WORK" to the Architect and the Structural Engineer for review within five business days of the issuance of the Notice to Proceed. Refer to the Specifications for requirements.
4. General Contractor shall coordinate demolition work with all Sub-contractors prior to the start of, and during, demolition. Note the following:
   a. Sub-contractors shall disconnect all fixtures and service for their respective trades which are indicated to be deactivated, removed, and/or which interfere with the new work, and cap service at the building source.
   b. Removal of fixtures, devices and hardware by the General Contractor.
   c. Provide all trenching, cutting or drilling for the installation of all new utilities as required.
   d. Cutting of holes up to twelve inches in any dimension is to be by the respective Subcontractor, patching of all holes and surfaces is to be by the respective trade responsible for the original surface.
   e. Cutting of openings larger than twelve inches in any dimension shall be by the General Contractor. Re-support larger openings with lintels as provided in the Specifications and/or as scheduled (refer to Structural Drawings), provide shoring and bracing as required at smaller openings.
   f. All new openings in walls, ceilings and/or floors, as well as trenches in the floor slabs shall be core drilled or saw-cut.
   g. Demolition of existing roofing shall be by roofing Sub-Contractor, refer to Specifications.
   h. Coordinate with the work of all other trades, including items to be removed and items to remain. General scope of demolition work includes:
      i. The removal of all existing plumbing fixtures and equipment as noted, see Plumbing Drawings.
      ii. The removal of all mechanical equipment, piping, and related hardware as noted, see Mechanical Drawings.
      iii. The removal of all electrical switches, wiring, fixtures, and devices as noted, see Electrical Drawings.
      iv. Coordinate the removal of equipment, fixtures, etc., with the capping of existing services by the Sub-contractors.
5. All items slated for careful removal shall be stockpiled or stored as required, undamaged, in a secure location on site
6. The Owner has retained the services of an Asbestos Consultant:
   Universal Engineering Corporation
   100 Boylston Street
   Boston, MA 02116
   (617) 542-6216
   a. All asbestos containing building materials including selected floor tile scheduled to be removed will be removed by the Owner's asbestos removal contractor under a separate Contract. General Contractor shall coordinate work schedule with that of the Asbestos Abatement Contractor. Prior to commencing work in the existing buildings, General Contractor shall notify the Owner of his/her intent to begin work and allow for a sufficient amount of time for the Owner's Asbestos Abatement Contractor to remove the asbestos containing building materials prior to the General Contractor's commencement of work so as not to impact the project school dates.
   b. Take note of partition demolition as shown on the Drawings, particularly where existing plumbing chases are impacted. General Contractor shall demolish wall carefully so as not to disturb potential asbestos containing pipe insulation. If, the chase wall does contain piping with asbestos containing pipe insulation, immediately stop work in the area, and notify the Owner's Asbestos Consultant Representative and the Architect and allow ten (10) working days for asbestos abatement completion. Hence, General Contractor's work schedule shall allow for ten (10) working day interruption due to asbestos abatement at all plumbing chase walls without delays to the project or additional compensation due to delays thereof.
   c. If, in the process of demolition, removals, and cutting of existing materials, asbestos-containing building materials are encountered, immediately stop work in such areas, and notify the Owner's Asbestos Consultant Representative and Architect of such conditions. Do not continue the work in such areas until the asbestos-containing materials have been completely removed by the Owner's asbestos removal contractor.
7. Brick removal shall be done with care. Clean salvaged brick and save to reuse for patching existing walls.
8. Refer to Phasing Drawing for sequencing of work.
9. Refer to work required by Add Alternates as noted in Specifications and on Drawings.
10. Where removal of such is shown, carefully remove and save chalkboards, markerboards, and tackboards and turn over to Owner.
11. Refer to Reflected Ceiling Plans and Details A1.8 & A1.9 for ceiling areas to be demolished and patched in addition to the Demolition Plans.
12. Coordinate removal of existing casework with EQ drawings which indicate casework to be retained. Verify with Owner equipment to be removed and disposed of.
13. Opening(s) created for new windows and doors in existing walls shall be saw cut, taking care not to chip corners or edges.
14. Unless otherwise indicated, the Owner will remove all moveable equipment and furnishings.
15. Exercise care during all selective demolition to prevent damage to the existing building to remain. All debris shall be disposed off site as required by local, state, and federal regulations.
16. Coordinate with Door Schedules for locations of new or existing doors, hardware, and details.
17. Save all existing projection screens at those walls or rooms that are being affected by demolition.
18. Coordinate area of existing finish floor removal with Floor Plans A2.1, A2.2 and A2.5.
19. Remove existing finish floor down to slab at all new partition locations. Refer to Floor Plans A2.1, A2.2 and A2.3 for locations typical.
20. At add alternates 2, 4 and 5, remove remaining existing carpet - Refer to Room Finish Schedule.

Stamp:

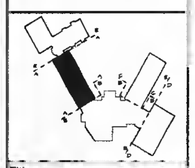
Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Additions and Alterations to the

Pine Hill School

Sherborn, Massachusetts



Title:

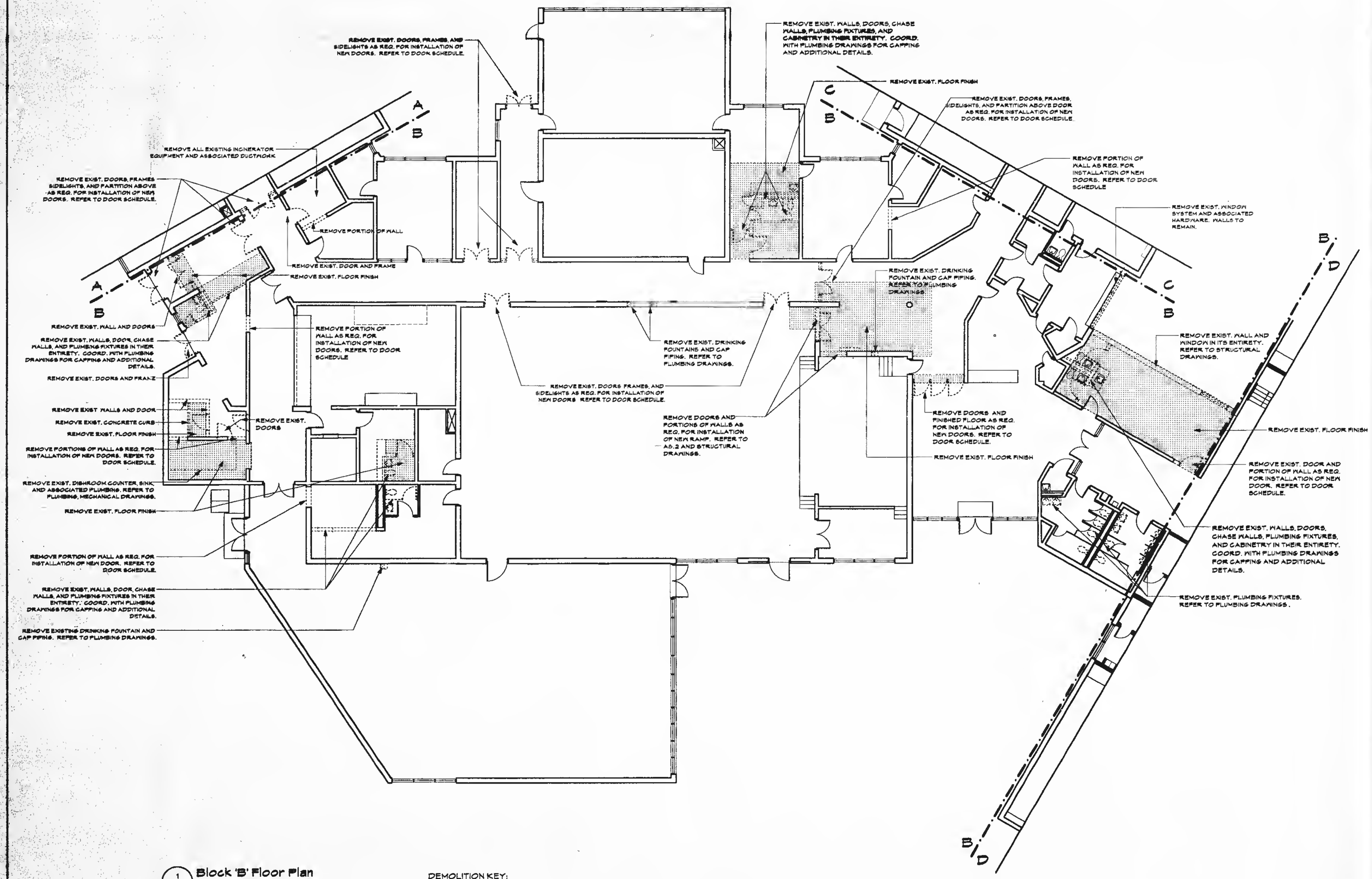
Block 'A' Demolition Plan

Date: 3/20/97 Drawn By: MDD

Scale: 1/8"=1'-0" Job No.: 9606

Sheet:

D1.1



1 D1.2 **Block 'B' Floor Plan**

1/8"=1'-0"

DEMOLITION KEY:

- INDICATES PARTITION OR WALL TO BE REMOVED.
- INDICATES DOOR(S) AND/OR FRAME(S) TO BE REMOVED, SEE DOOR SCHEDULE FOR EXACT SCOPE
- INDICATES FIXTURES TO BE REMOVED, COORDINATE WITH MECHANICAL/PLUMBING/ELECTRICAL DRAWINGS
- INDICATES EXTERIOR WINDOW WALL SYSTEM TO BE REMOVED
- INDICATES FLOOR AREA TO BE REMOVED
- INDICATES REMOVAL OF PORTION OR ALL OF STRUCTURAL SLAB. COORDINATE WITH STRUCTURAL DRAWINGS

General Demolition Notes:

1. Prior to the start of demolition work, General Contractor shall determine locations of all load bearing partitions, columns, lintels, and other items, and provide temporary supports as required by their removal or relocation. Note: If unforeseen structural elements are encountered during demolition, stop affected construction as required, and notify the Architect and Structural Engineer immediately.
   a. Refer to the Site Plans, Demolition Plans, Floor Plans and Elevations, Roof Plan, Wall Sections, Details, Room Finish Schedule and the Specifications for additional information regarding materials Demolition and Removals.
   b. Refer to the Engineering Drawings and Specifications for additional information regarding materials Demolition and Removals.
2. Provide, install, and maintain in safe condition at all times, the following:
   a. Temporary protection required to ensure safety for all persons and property during demolition and removal work.
   b. Cap and patch all exterior openings to provide a safe, secure and weather-tight building envelope during construction.
   c. Other temporary utilities and protections as provided in the Specifications.
   d. Dust coverings to prevent the spread of dust beyond the immediate area where demolition is being performed.
3. Sub-contractors shall review all demolition drawings, and note specific scopes of work to the General Contractor. General Contractor shall coordinate all demolition work with new construction and provide a "SCHEDULE OF DEMOLITION WORK" to the Architect and the Structural Engineer for review within five business days of the issuance of the Notice to Proceed. Refer to the Specifications for requirements.
4. General Contractor shall coordinate demolition work with all Sub-contractors prior to the start of, and during, demolition. Note the following:
   a. Sub-contractors shall disconnect all fixtures and service for their respective trades which are indicated to be demolished, removed, and/or which interfere with the new work, and cap service at the building source.
   b. Removal of fixtures, devices and hardware is by the General Contractor.
   c. Provide all trenching, cutting or drilling for the installation of all new utilities as required.
   d. Cutting of holes up to twelve inches in any dimension is to be by the respective Sub-contractor, patching of all holes and surfaces is to be by the respective trade responsible for the original surface.
   e. Cutting of openings larger than twelve inches in any dimension shall be by the General Contractor. Re-support larger openings with lintels as provided in the Specifications and/or as scheduled (refer Structural Drawings), provide shoring and bracing as required at smaller openings.
   f. All new openings in walls, ceilings and/or floors, as well as trenches in the floor slabs shall be core drilled or saw-cut.
   g. Demolition of existing roofing shall be by roofing Sub-Contractor, refer to Specifications.
   h. Coordinate with the work of all other trades, including items to be removed and items to remain. General scope of demolition work includes:
      i. The removal of all existing plumbing fixtures and equipment as noted, see Plumbing Drawings.
      ii. The removal of all mechanical equipment, piping, and related hardware as noted, see Mechanical Drawings.
      iii. The removal of all electrical switches, wiring, fixtures, and devices as noted, see Electrical Drawings.
      iv. Coordinate the removal of equipment, fixtures, etc., with the capping of existing services by the Sub-contractors.
5. All items slated for careful removal shall be stockpiled or stored as required, undamaged, in a secure location on site.
6. The Owner has retained the services of an Asbestos Consultant:
   Universal Engineering Corporation
   100 Boylston Street
   Boston, MA 02116
   (617) 542-0216
   a. All asbestos containing building materials including selected floor tile scheduled to be removed will be removed by the Owner's asbestos removal contractor under a separate Contract. General Contractor shall coordinate work schedule with that of the Asbestos Abatement Contractor. Prior to commencing work in the existing buildings, General Contractor shall notify the Owner of his/her intent to begin work and allow for a sufficient amount of time for the Owner's Asbestos Abatement Contractor to remove the asbestos containing building materials prior to the General Contractor's commencement of work so as not to impact the project schedule.
   b. Take note of partition demolition as shown on the Drawings, particularly where existing plumbing chases are impacted. General Contractor shall demolish wall carefully so as not to disturb potential asbestos containing pipe insulation. If, the chase wall does contain piping with asbestos containing pipe insulation, immediately stop work in the area, and notify the Owner's Asbestos Consultant Representative and the Architect and allow ten (10) working days for asbestos abatement completion. Note: General Contractor's work schedule shall allow for ten (10) working day interruption due to asbestos abatement at all plumbing chase walls without delays to the project or additional compensation due to delays thereof.
   c. If, in the process of demolition, removals, and cutting of existing materials, asbestos-containing building materials are encountered, immediately stop work in such areas, and notify the Owner's Asbestos Consultant Representative and Architect of such conditions. Do not continue the work in such areas until the asbestos-containing materials have been completely removed by the Owner's asbestos removal contractor.
7. Brick removal shall be done with care. Clean salvaged brick and save to reuse for patching existing walls.
8. Refer to Phasing Drawing for sequencing of work.
9. Refer to work required by Add Alternates as noted in Specifications and on Drawings.
10. Where removal of such is shown, carefully remove and save chalkboards, marketboards, and tackboards and turn over to Owner.
11. Refer to Reflected Ceiling Plans and Details A10.1-A10.4 for ceiling areas to be demolished and patched in addition to the Demolition Plans.
12. Coordinate removal of existing casework with SQ drawings which indicate casework to be retained. Verify with Owner equipment to be removed and disposed of.
13. Opening(s) created for new windows and doors in existing walls shall be saw cut, taking care not to chip corners or edges.
14. Unless otherwise indicated, the Owner will remove all moveable equipment and furnishings.
15. Exercise care during all selective demolition to prevent damage to the existing building to remain. All debris shall be disposed off-site as required by local, state, and federal regulations.
16. Coordinate with Door Schedules for locations of new or existing doors, hardware, and details.
17. Save all existing projection screens at those walls or rooms that are being affected by demolition.
18. Coordinate area of existing finish floor removal with Floor Plans A2.1, A2.2 and A2.3.
19. Remove existing finish floor down to slab at all new partition locations. Refer to Floor Plans A2.1, A2.2 and A2.3 for locations, typical.
20. At add alternates 2,4 and 5, remove remaining existing carpet - Refer to Room Finish Schedule.

Stamp:

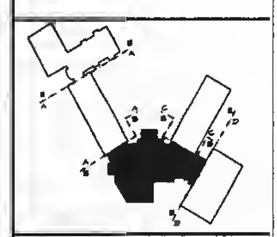
Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Additions and Alterations to the

Pine Hill School

Sherborn, Massachusetts



Title:

Block 'B' Demolition Plan

Date: 3/20/97 Drawn By: MDD

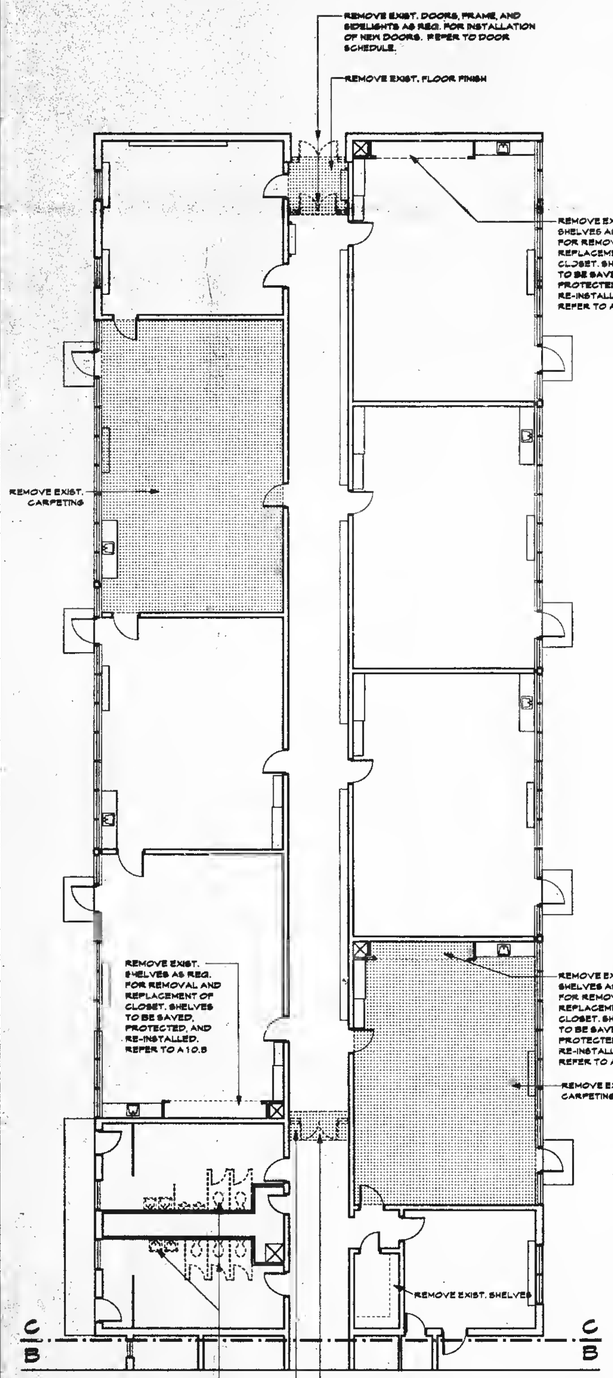
Scale: 1/8"=1'-0" Job No.: 9606

Sheet:

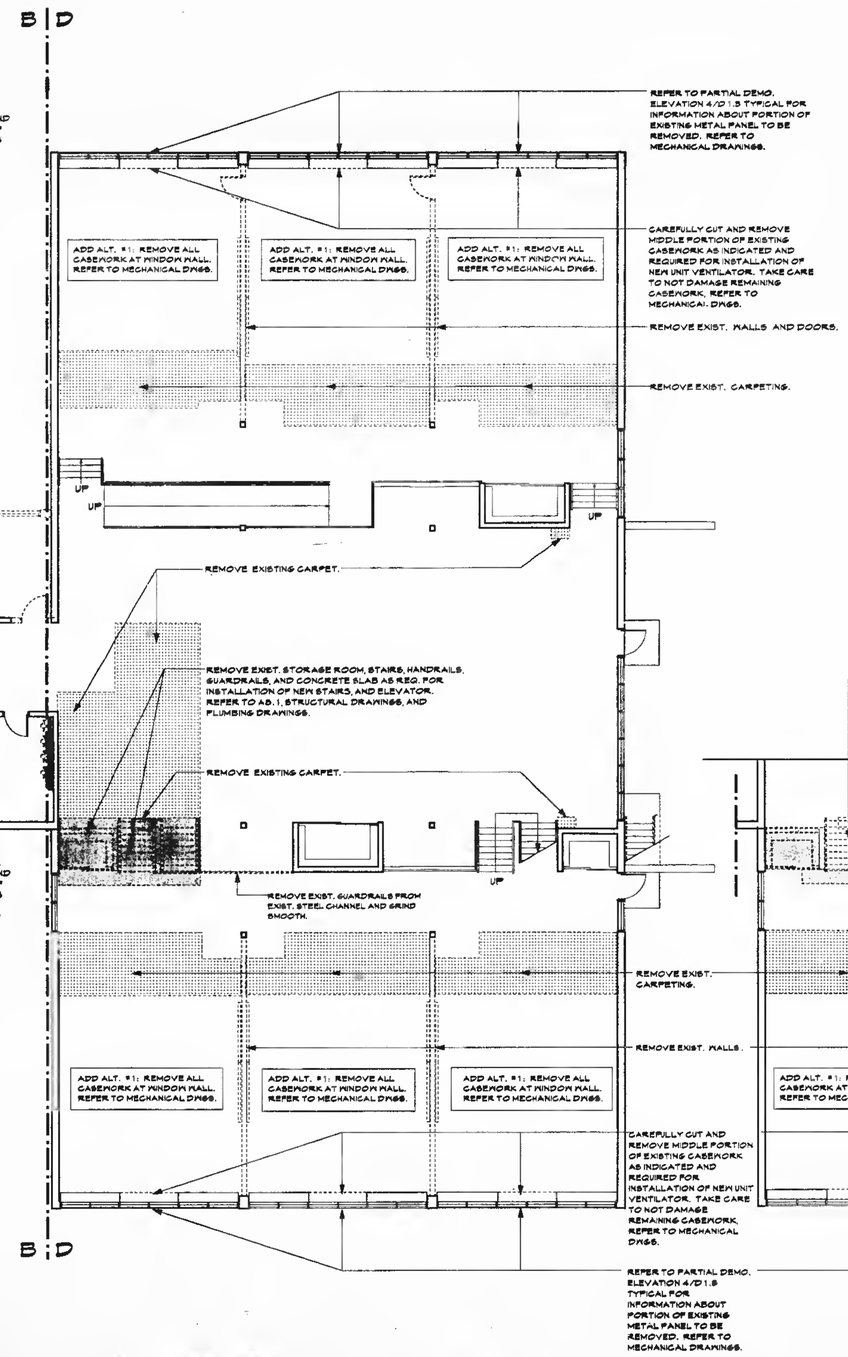
D1.2

DEMOLITION KEY:

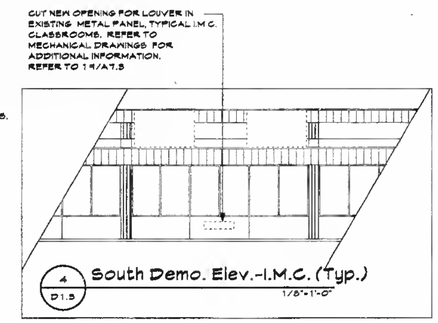
- INDICATES PARTITION OR WALL TO BE REMOVED.
- INDICATES DOOR(S) AND/OR FRAME(S) TO BE REMOVED, SEE DOOR SCHEDULE FOR EXACT SCOPE
- INDICATES FIXTURES TO BE REMOVED, COORDINATE WITH MECHANICAL/PLUMBING/ELECTRICAL DRAWINGS
- INDICATES EXTERIOR WINDOW WALL SYSTEM TO BE REMOVED
- INDICATES FLOOR AREA TO BE REMOVED
- INDICATES REMOVAL OF PORTION OR ALL OF STRUCTURAL SLAB. COORDINATE WITH STRUCTURAL DRAWINGS



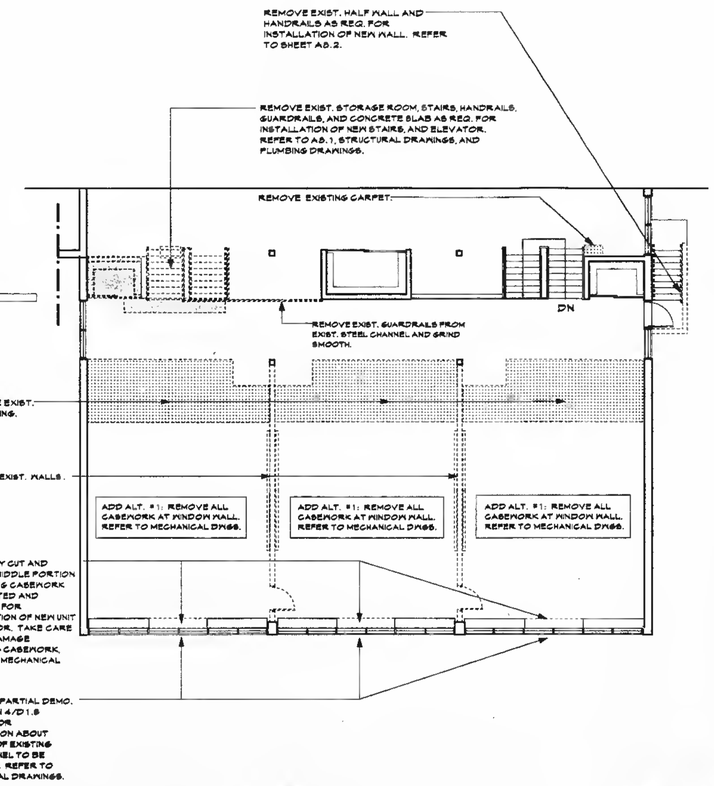
1 D1.3 Block 'C' Floor Plan 1/8"=1'-0"



2 D1.3 Block 'D' Floor Plan 1/8"=1'-0"



4 D1.3 South Demo. Elev.-I.M.C. (Typ.) 1/8"=1'-0"



3 D1.3 Block 'D' Mezz. Floor Plan 1/8"=1'-0"

General Demolition Notes:

1. Prior to the start of demolition work, General Contractor shall determine locations of all load bearing partitions, columns, beams, and other items, and provide temporary supports as required by their removal or relocation. Note: If unknown structural elements are encountered during demolition, shore affected construction as required, and notify the Architect and Structural Engineer immediately.
   a. Refer to the Site Plans, Demolition Plans, Floor Plans and Elevations, Roof Plan, Wall Sections, Details, Room Finish Schedule and the Specifications for additional information regarding materials Demolition and Removals.
   b. Refer to the Engineering Drawings and Specifications for additional information regarding materials Demolition and Removals.
2. Furnish, install, and maintain in safe condition at all times, the following:
   a. Temporary protection required to ensure safety for all persons and property during demolition and removal work.
   b. Cap and patch all exterior openings to provide a safe, secure and weather-tight building envelope during construction.
   c. Other temporary utilities and protections as provided in the Specifications.
   d. Dust coverings to prevent the spread of dust beyond the immediate area where demolition is being performed.
3. Sub-contractors shall review all demolition drawings, and note specific scopes of work to the General Contractor. General Contractor shall coordinate all demolition work with new construction and provide a "SCHEDULE OF DEMOLITION WORK" to the Architect and the Structural Engineer for review within five business days of the issuance of the Notice to Proceed. Refer to the Specifications for requirements.
4. General Contractor shall coordinate demolition work with all Sub-contractors prior to the start of, and during, demolition. Note the following:
   a. Sub-contractors shall disconnect all fixtures and service for their respective trades which are indicated to be deactivated, removed, and/or which interfere with the new work, and cap service at the building source.
   b. Removal of fixtures, devices and hardware is by the General Contractor.
   c. Provide all trenching, cutting or drilling for the installation of all new utilities as required.
   d. Cutting of holes up to twelve inches in any dimension is to be by the respective Subcontractor, patching of all holes and surfaces is to be by the respective trade responsible for the original surface.
   e. Cutting of openings larger than twelve inches in any dimension shall be by the General Contractor. Re-support larger openings with linear lintels as provided in the Specifications and/or as scheduled (refer infrastructural Drawings); provide shoring and bracing as required at smaller openings.
   f. All new openings in walls, ceilings and/or floors, as well as trenches in the floor slabs shall be core drilled or saw-cut.
   g. Demolition of existing roofing shall be by roofing Sub-Contractor, refer to Specifications.
   h. Coordinate with the work of all other trades, including items to be removed and items to remain. General scope of demolition work includes:
      i. The removal of all existing plumbing fixtures and equipment as noted, see Plumbing Drawings.
      ii. The removal of all mechanical equipment, piping, and related hardware as noted, see Mechanical Drawings.
      iii. The removal of all electrical switches, wiring, fixtures, and devices as noted, see Electrical Drawings.
      iv. Coordinate the removal of equipment, fixtures, etc., with the capping of existing services by the Sub-contractors.
5. All items slated for careful removal shall be stockpiled or stored as required, undamaged, in a secure location on site.
6. The Owner has retained the services of an Asbestos Consultant:
   Universal Engineering Corporation
   100 Boylston Street
   Boston, MA 02116
   (617) 542-8226
   a. All asbestos containing building materials including selected floor tile scheduled to be removed will be removed by the Owner's asbestos removal contractor under a separate Contract. General Contractor shall coordinate work schedule with that of the Asbestos Abatement Contractor. Prior to commencing work in the existing buildings, General Contractor shall notify the Owner of his/her intent to begin work and allow for a sufficient amount of time for the Owner's Asbestos Abatement Contractor to remove the asbestos containing building materials prior to the General Contractor's commencement of work so as not to impact the project schedule.
   b. Take note of partition demolition as shown on the Drawings, particularly where existing plumbing chases are suspected. General Contractor shall demolish wall carefully so as not to damage potential asbestos containing pipe insulation. If, the chase wall does contain piping with asbestos containing pipe insulation, immediately stop work in the area, and notify the Owner's Asbestos Consultant Representative and the Architect and allow ten (10) working days for asbestos abatement completion. Note: General Contractor's work schedule shall allow for ten (10) working day interruption due to asbestos abatement at all plumbing chase walls without delays to the project or additional compensation due to delays thereof.
   c. If, in the process of demolition, removals, and cutting of existing materials, asbestos-containing building materials are encountered, immediately stop work in such areas, and notify the Owner's Asbestos Consultant Representative and Architect of such conditions. Do not continue the work in such areas until the asbestos-containing materials have been completely removed by the Owner's asbestos removal contractor.
7. Brick removal shall be done with care. Clean salvaged brick and save to reuse for patching existing walls.
8. Refer to Phasing Drawing for sequencing of work.
9. Refer to work required by Add Alternates as noted in Specifications and on Drawings.
10. Where removal of such is shown, carefully remove and save chalkboards, markerboards, and tackboards and turn over to Owner.
11. Refer to Reflected Ceiling Plans and Details A10.1-A10.4 for ceiling areas to be demolished and patched in addition to the Demolition Plans.
12. Coordinate removal of existing casework with BQ drawings which indicate casework to be retained. Verify with Owner equipment to be removed and disposed of.
13. Opening(s) created for new windows and doors in existing walls shall be saw cut, taking care not to chip corners or edges.
14. Unless otherwise indicated, the Owner will remove all moveable equipment and furnishings.
15. Exercise care during all selective demolition to prevent damage to the existing building to remain. All debris shall be disposed off-site as required by local, state, and federal regulations.
16. Coordinate with Door Schedules for locations of new or existing doors, hardware, and details.
17. Save all existing projection screens at those walls or rooms that are being affected by demolition.
18. Coordinate area of existing finish floor [illegible] A2.3.
19. Remove existing finish floor down to slab at all new partition locations. Refer to Floor Plans A2.1, A2.2 and A2.3 for locations, typical.
20. At add alternates 3,4 and 5, remove remaining existing carpet - Refer to Room Finish Schedule.

Stamp:

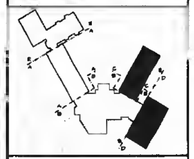
Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Additions and Alterations to the

Pine Hill School

Sherborn, Massachusetts



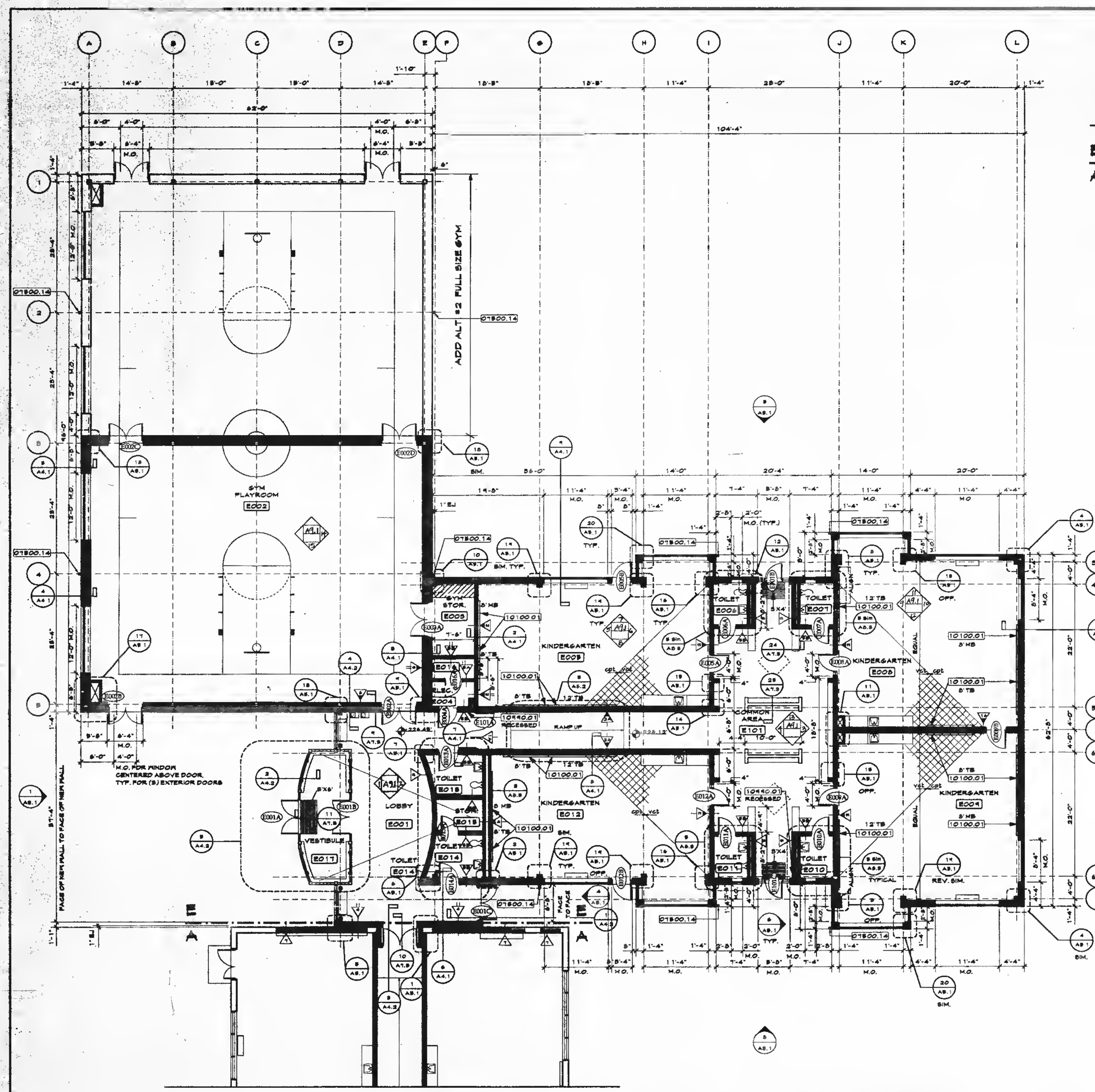
Title:

Block 'C'
Block 'D'
Block 'D' Mezz.
Demolition Plans

Date: 3/20/97 Drawn By: MDD
Scale: 1/8"=1'-0" Job No.: 9606

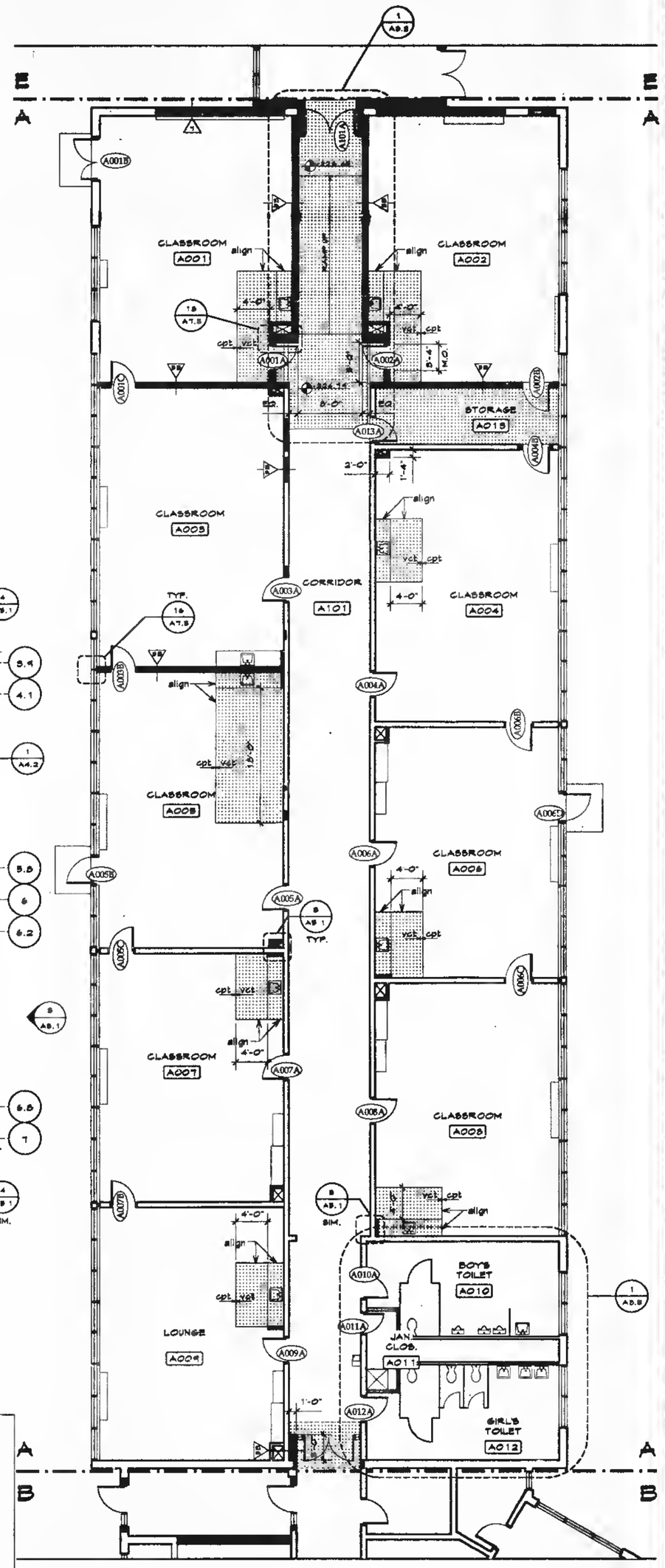
Sheet:

D1.3



1 A2.1 Block 'E' Floor Plan

1/8"=1'-0"



2 A2.1 Block 'A' Floor Plan

1/8"=1'-0"

GENERAL NOTES

Patch all holes in existing walls, floors, and ceilings created by the removal of existing items as indicated on the Architectural Demolition drawings, Plumbing, Fire Protection, Mechanical and Electrical drawings. Patching shall match adjacent finish.

Refer to sheet A7.2 for Partition Types.

Refer to sheet A7.2 for Room Finish Schedule.

Refer to sheet A7.1 for interior glazing.

Refer to sheet A7.1 for Door Schedule.

Refer to sheet A4.1 for interior Elevations.

Unless otherwise noted, all partitions shall be carried up to underside deck.

Existing material indicated to remain shall remain, as is, except when altered due to demolition or new construction. Unless detailed otherwise, repair, patch and finish to match adjacent surfaces.

Deflection Track:

All top runners shall be continuous 12 gauge, 2 inch deep deflection track. A 1/2 inch clearance shall be maintained at the tops of all studs. Studs shall not be connected to the deflection track. A continuous channel bridging shall be required within 1.8 inches of the deflection track at the top of the studs. Channel bridging spacing shall not exceed 8 foot on centers.

ADD ALTERNATES (See specification for additional information)

- ADD ALTERNATE #1 Baseboard fin tube heat with casework @ 4 IMC classrooms, Block 'D'
- ADD ALTERNATE #2 Full sized gym
- ADD ALTERNATE #3 Finishes (new ceilings/carpet/ window treatment @ Block 'A')
- ADD ALTERNATE #4 Finishes (new ceilings/ carpet/ window treatment @ Block 'C')
- ADD ALTERNATE #5 Finishes (new ceilings/ carpet/ window treatment @ Blocks 'B' and 'D')
- ADD ALTERNATE #6 Finishes (new paint) @ Blocks 'A' and 'C'
- ADD ALTERNATE #7 Finishes (new paint) @ Blocks 'B' and 'D'
- ADD ALTERNATE #8 Canopy @ new entrance

LEGEND:

- NEW WALL
- EXISTING WALL
- NEW FLOOR FINISH IN AREA WITH EXIST. TO REMAIN

02300.00 Earthwork
02810.00 Demolition
03300.01 Concrete - Refer to Structural Drawings
03300.02 Concrete foundation/footing - Refer to Structural Drawings
03300.03 Concrete slab on grade - Refer to [illegible]
04200.01 Masonry wall construction
04200.02 Load bearing masonry wall construction
04200.03 Face Brick
04200.04 Reinforcing
04200.05 Flashing
04200.06 Grout
04200.07 Control joint
04200.08 Flashing
04200.09 2" Rigid insulation
04200.10 Thru wall flashing
04200.11 CMU
04200.12 Precast Concrete
04200.13 Split Rib CMU
04200.14 Ground face CMU
04200.15 Keep Make
04200.16 Sound Block CMU
04200.17 Center Scored CMU
[illegible]
08100.02 Steel beam/column - Refer to Structural Drawings
08200.01 Steel joists - Refer to Structural Drawings
08200.02 Joist seat - Height varies - Refer to [illegible]
08300.01 Metal decking - Refer to Structural Drawings
08300.02 Floor slab/slab closure
08300.03 Patch roof deck - refer to structural [illegible]
08400.01 Cold formed metal framing system
08400.02 Metal stud(s)
08400.03 Track
08400.04 Deflection track
08400.05 Channel bridging
[illegible]
08500.02 Galvanized loose lintels - Refer to Loose Lintel Schedule on Structural Drawings
08500.03 Steel handrail assembly
08500.04 Steel guardrail assembly
08500.05 Steel pan stair assembly
08500.06 Security Screens
06100.01 Pressure treated wood blocking
06100.02 Wood blocking
06100.03 Pressure treated plywood
06100.04 Plywood
06100.05 Pressure treated wood framing
06100.06 Wood framing
06100.07 Hardwood
06200.01 Trim, clear pine, stain finish
06200.02 Softwood trim, paint finish
06200.03 Veneer plywood
06200.04 Vertical T & G Cedar Siding to match existing
07100.01 Exterior sealant
07100.02 Interior sealant
07100.03 Exterior sealant and backer rod
07100.04 Interior sealant and backer rod
07100.05 Dampproofing
07100.06 Backer rod
07200.01 Fiberglass batt insulation
07200.02 Rigid insulation
07200.03 Fire safing insulation
07200.04 Vapor Barrier
07500.01 Modified Bitumen roofing system
07500.02 Flashing
07500.03 Roof edge fascia/gravel stop
07500.04 Metal hook strip/clips
07500.05 Rigid insulation
07500.06 Tapered rigid insulation
07500.07 Pre-formed metal
07500.08 Gutters
07500.09 EPDM
07500.10 Not used
07500.11 Brake metal
07500.12 Metal fascia
07500.13 Lead coated flashing
07500.14 Downspouts
07500.15 Splash Blocks
07500.16 Crickets (1/4" slope)
07500.17 Expansion joint
07500.18 Scupper
07500.19 Termination Bar
07500.20 Skylight
08110.01 Hollow metal frame - Refer to Door Schedule
08110.02 Hollow metal door - Refer to door schedule
08210.01 Wood door - Refer to Door Schedule
08500.01 Aluminum window(s)
08500.02 Anchor clip
08500.03 Insect screen
08500.04 Sealant
08500.05 Alum. insulated panel
08500.06 Curtain wall
08500.07 Alum. panning
08500.08 Sealant
08110.00 Finish Hardware
08500.01 Float glass
08500.02 Tempered glass
08500.03 Fire glass
08500.04 Laminated glass
08500.05 Insulating glass
08500.06 Curtain wall
09200.01 Lathe & Plaster
09250.01 Gypsum board wall construction
09250.02 Gypsum board ceiling construction
09250.03 Metal stud(s)
09250.04 Metal stud track
09250.05 Furring channel
09250.06 Cold rolled channel
09250.07 Gypsum wall board
09250.08 Moisture-resistant gypsum board
09250.09 Fire-resistant gypsum board
09250.10 Control joint
09250.11 Corner bead
09250.12 Casing bead
09250.13 Deflection track
09250.14 Acoustical insulation
09250.15 Conc. board
09250.16 1" Shaft liner
09500.01 Ceramic wall tile
09500.02 Ceramic floor tile
09500.03 Ceramic tile base
09400.00 Polish Terrazzo
09500.01 Acoustical tile/panel ceiling system
09500.02 Pre-finished metal suspension system
09500.03 Pre-finished metal trim
09500.04 1 x 1 ACT Panels adhered
09550.01 Vinyl composition tile
09550.02 Sheet flooring
09550.03 Vinyl base
09550.04 One piece rubber stair tread and riser
09550.05 Rubber flooring - seamless
09550.01 Carpeting
09500.01 Concrete synthetic [illegible]
10100.01 Chalkboards, markerboards, tack-boards
10150.01 Compartments & cubicles
10300.01 Louvers & vents
10400.01 Identifying devices
10500.01 Toilet paper dispenser - TPD
10500.02 Sanitary napkin receptacle - SNR
10500.03 Sanitary napkin/tampon dispenser - SND
10500.04 Paper towel dispenser /receptacle - PTD/R
10500.05 9'-6" knurled grab bar - GB
10500.06 Wall mounted soap dispenser - WSD
10500.07 Not used
10500.08 Mirror with stainless steel frame
10500.09 Mop rack/clear assembly
10440.01 Fire extinguisher
10440.02 Fire extinguisher and cabinet
10440.03 Expansion joints
[illegible] Fire station access
[illegible] Fire station [illegible]
[illegible] Exact dimensions
[illegible] Mirrors & shelves
[illegible] Door mats & frames
19400.01 Plumbing - Refer to Plumbing Drawings
19400.02 Drinking fountain/Electric water cooler, Handicapped accessible - Refer to Plumbing Drawings
19400.04 Water closet - Handicapped accessible - HCWC
19400.05 Water closet - WC
19400.06 Urinal - Handicapped accessible - HCUR
19400.07 Urinal - UR
19400.08 Lavatory
19400.09 Lavatory - Handicapped accessible
19400.10 Floor drain - Refer to Plumbing Drawings
19400.11 Roof drain - Refer to Plumbing [illegible]
19400.12 [illegible] - Refer to HVAC Drawings
19400.03 Ductwork - Refer to HVAC Drawings
19400.03 HVAC piping - Refer to HVAC Drawings
[illegible] Light fixtures
19500.01 [illegible] - Refer to Electrical Drawings
19500.02 Exit sign - Refer to Electrical Drawings
19500.03 Clock refer to Electrical
[illegible] Speaker refer to Electrical
19740 Tele[illegible] Systems

Stamp:

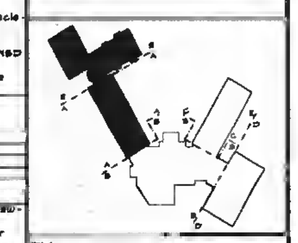
Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Elderly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Additions and Alterations to the

Pine Hill School

Sherborn, Massachusetts



Title:

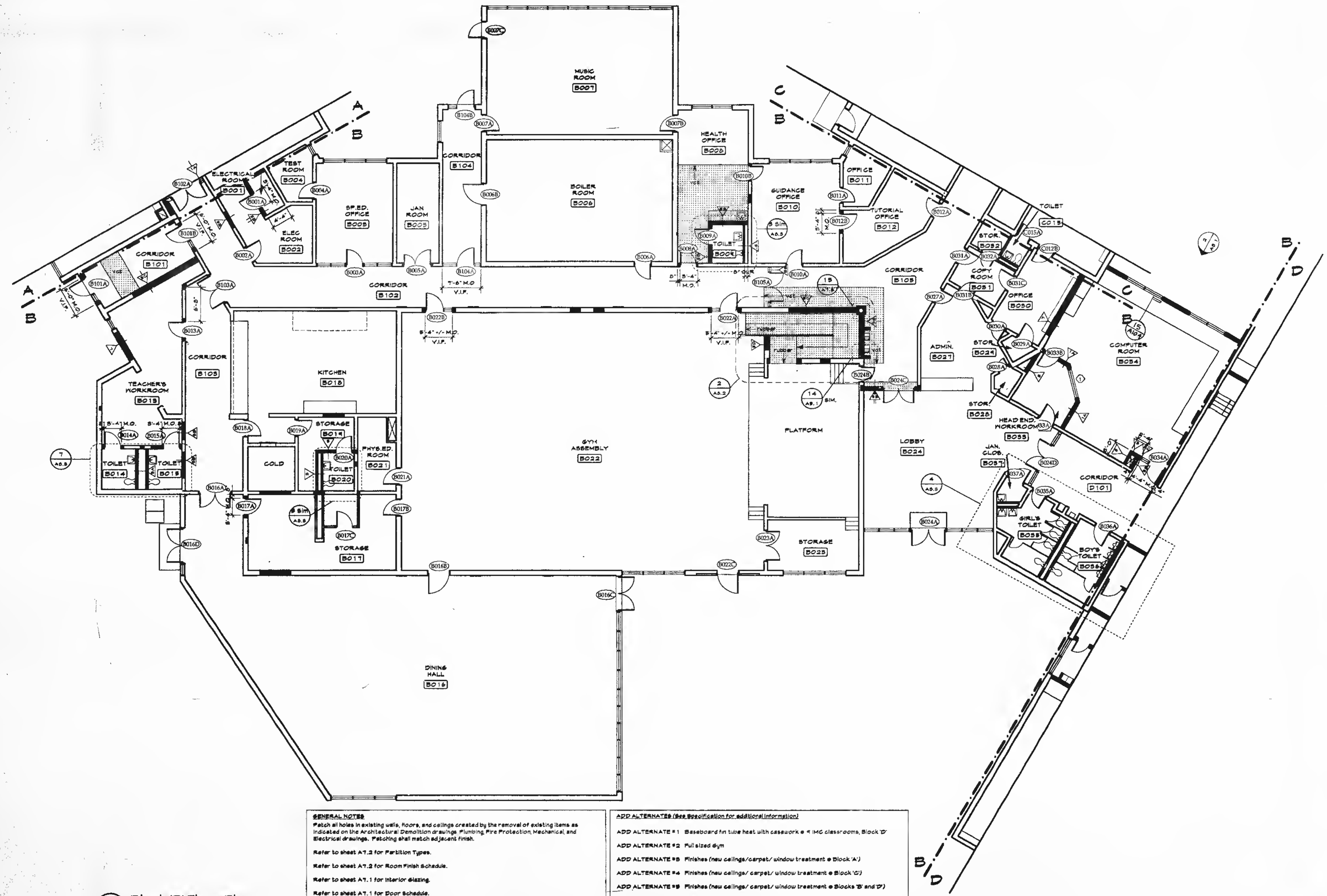
Block 'A' Block 'E' Floor Plans

Date: 3/20/97 Drawn By: MDD

Scale: 1/8"=1'-0" Job No.: 9606

Sheet:

A2.1



1 A2.2 Block 'B' Floor Plan

1/8"=1'-0"

GENERAL NOTES

Patch all holes in existing walls, floors, and ceilings created by the removal of existing items as indicated on the Architectural Demolition drawings Plumbing Fire Protection, Mechanical, and Electrical drawings. Patching shall match adjacent finish.

Refer to sheet A7.2 for Partition Types.

Refer to sheet A7.2 for Room Finish Schedule.

Refer to sheet A7.1 for Interior Glazing.

Refer to sheet A7.1 for Door Schedule.

Refer to sheet A4.1 for Interior Elevations.

Unless otherwise noted, all partitions shall be carried up to underside deck.

Existing material indicated to remain shall remain, as is, except when altered due to demolition or new construction. Unless detailed otherwise, repair, patch and finish to match adjacent surfaces.

Deflection Track:

All top runners shall be continuous 12 gauge, 2 inch deep deflection track. A 1/2 inch clearance shall be maintained at the tops of all studs. Studs shall not be connected to the deflection track. A continuous channel bridging shall be required within 18 inches of the deflection track at the top of the studs. Channel bridging spacing shall not exceed 8 foot on centers.

ADD ALTERNATES (See Specification for additional information)

ADD ALTERNATE # 1 Baseboard fin tube heat with casework @ 4 IMG classrooms, Block 'D'

ADD ALTERNATE # 2 Full sized gym

ADD ALTERNATE # 3 Finishes (new ceilings/carpet/ window treatment @ Block 'A')

ADD ALTERNATE # 4 Finishes (new ceilings/ carpet/ window treatment @ Block 'C')

ADD ALTERNATE # 5 Finishes (new ceilings/ carpet/ window treatment @ Blocks 'B' and 'D')

ADD ALTERNATE # 6 Finishes (new paint) @ Blocks 'A' and 'C'

ADD ALTERNATE # 7 Finishes (new paint) @ Blocks 'B' and 'D'

ADD ALTERNATE # 8 Canopy @ new entrance

LEGEND:

NEW WALL

EXISTING WALL

NEW FLOOR FINISH IN AREA WITH EXIST. TO REMAIN

KEYNOTES

02300.00 Earthworks
02315.00 Demolition
03300.01 Concrete -Refer to Structural Drawings
03300.02 Concrete foundation/footing - Refer to Structural Drawings
03300.03 Concrete slab on grade - Refer to Structural Drawings
04200.01 Masonry veneer wall construction
04200.02 Load bearing masonry wall construction
04200.03 Face Brick
04200.04 Reinforcing
04200.05 Flashing
04200.06 Grout
04200.07 Control joint
04200.08 Parapets
04200.09 2" Rigid insulation
04200.10 Thru wall flashing
04200.11 CMU
04200.12 Precast Concrete
04200.13 Split Rib CMU
04200.14 Ground face CMU
04200.15 Deep Rocks
04200.16 Sound Block CMU
04200.17 Center Scored CMU
04200.18 Glass Block
05100.01 Structural steel - Refer to Structural Drawings
05100.02 Steel beam/column - Refer to Structural Drawings
05200.01 Steel joists - Refer to Structural Drawings
05200.02 Joist seat - Height varies - Refer to Structural Drawings
05500.01 Metal decking - Refer to Structural Drawings
05500.02 Floor stop/slab closure
05500.03 Patch roof deck- refer to structural drawings
05400.01 Cold formed metal framing system
05400.02 Metal stud(s)
05400.03 Track
05400.04 Deflection track
05400.05 Channel bridging
05400.06 Exterior gypsum sheathing
05500.01 Miscellaneous metal materials
05500.02 Galvanized lintel lintels - Refer to Lintel Schedule on Structural Drawings
05500.03 Steel handrail assembly
05500.04 Steel guardrail assembly
05500.05 Steel pan stair assembly
05500.06 Security screens
06100.01 Pressure treated wood blocking
06100.02 Wood blocking
06100.03 Pressure treated plywood
06100.04 Plywood
06100.05 Pressure treated wood framing
06100.06 Wood framing
06100.07 Hanger
06200.01 Hardwood trim, stain finish
06200.02 Softwood trim, paint finish
06200.03 Veneer plywood
06200.04 Vertical T & G Cedar Siding to match existing
07100.01 Exterior sealant
07100.02 Interior sealant
07100.03 Exterior sealant and backer rod
07100.04 Interior sealant and backer rod
07100.05 Dampproofing
07100.06 Backer rod
07200.01 Fiber glass batt insulation
07200.02 Rigid insulation
07200.03 Fire safing insulation
07200.04 Vapor Barrier
07500.01 Modified Bitumen roofing system
07500.02 Flashing
07500.03 Roof edge fascia/gravel stop
07500.04 Metal hook strip/Cleat
07500.05 Rigid insulation
07500.06 Tapered rigid insulation
07500.07 Pre-formed metal
07500.08 Gutters
07500.09 EPDM
07500.10 Not Used
07500.11 Drake metal
07500.12 Metal fascia
07500.13 Lead coated flashing
07500.14 Downspouts
07500.15 Splash Blocks
07500.16 Crickets (1/4" slope)
07500.17 Expansion joint
07500.18 Scupper
07500.19 Termination Bar
07500.20 Skylight
08110.01 Hollow metal frame - Refer to Door Schedule
08110.02 Hollow metal door - Refer to door schedule
08210.01 Wood door - Refer to Door Schedule
08500.01 Aluminum window(s)
08500.02 Anchor clip
08500.03 Insect screen
08500.04 Sealant
08500.05 Alum. insulated panel
08500.06 Curtain wall
08500.07 Alum. framing
08500.08 Sealant
08710.00 Finish Hardware
08800.01 Mirror glass
08800.02 Tempered glass
08800.03 Wire glass
08800.04 Laminated glass
08800.05 Insulating glass
09100.00 Curtain wall
09200.01 Lime & Plaster
09250.01 Gypsum board wall construction
09250.02 Gypsum board ceiling construction
09250.03 Metal stud(s)
09250.04 Metal stud track
09250.05 Furring channel
09250.06 Cold rolled channel
09250.07 Gypsum wall board
09250.08 Moisture-resistant gypsum board
09250.09 Fire-resistant gypsum board
09250.10 Control joint
09250.11 Corner bead
09250.12 Casing bead
09250.13 Deflection track
09250.14 Acoustical insulation
09250.15 Cons. board
09250.16 1" Shaft Liner
09500.01 Ceramic wall tile
09500.02 Ceramic floor tile
09500.03 Ceramic tile base
09600.00 Polish Terrazzo
09700.01 Acoustical tile/panel ceiling system
09700.02 Pre-finished metal suspension system
09700.03 Pre-finished metal trim
09800.01 1 X 1 AGT Panels adhered
09650.01 Vinyl composition tile
09650.02 Sheet flooring
09650.03 Vinyl base
09650.04 One piece rubber stair tread and riser
09650.05 Rubber flooring - seamless
09650.01 Carpeting
09700.01 Composite synthetic gym flooring
10100.01 Chalkboards, markerboards, tackboards
10150.01 Compartments & cubicles
10200.01 Louvers & vents
10400.01 Identifying devices
10500.01 Toilet paper dispenser - TPD
10500.02 Sanitary napkin receptacle - SNR
10500.03 Sanitary napkin/tampon dispenser - SND
10500.04 Paper Towel dispenser/receptacle PTD/R
10500.05 3'-6" Knurled grab bar - GB
10500.06 Wall mounted soap dispenser - WSD
10500.07 Not Used
10500.08 Mirror with stainless steel frame
10500.09 Mop rack/shelf assembly
10440.01 Fire extinguisher
10440.02 Fire extinguisher and cabinet
10400.03 Expansion joints
11183.01 Projection Screens
11450.01 Gymnasium equipment
12500.01 Fixed casework
12500.01 Window treatment
12a10.01 Floor mats & frames
14200.01 Elevators
19400.01 Plumbing - Refer to Plumbing Drawings
19400.03 Drinking fountain/Electric water cooler, Handicapped accessible - Refer to Plumbing Drawings
19400.04 Water closet - Handicapped accessible - HCWC
19400.05 Water closet - WC
19400.06 Urinal - Handicapped accessible - HCUR
19400.07 Urinal - UR
19400.08 Lavatory
19400.09 Lavatory - Handicapped accessible
19400.10 Floor drain - Refer to Plumbing Drawings
19400.11 Roof drain - Refer to Plumbing Drawings
19500.01 Mechanical unit - Refer to HVAC Drawings
19500.02 Ductwork - Refer to HVAC Drawings
19500.03 HVAC piping - Refer to HVAC Drawings
19500.04 Fin tube radiation
16000.01 Electrical fixture - Refer to Electrical Drawings
16000.03 Exit sign - Refer to Electrical Drawings
16000.05 Clock refer to Electrical
16000.06 Speaker, refer to Electrical
16740.00 Technology Systems

Stamp:

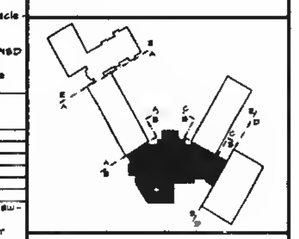
Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Additions and Alterations to the

Pine Hill School

Sherborn, Massachusetts



Title:

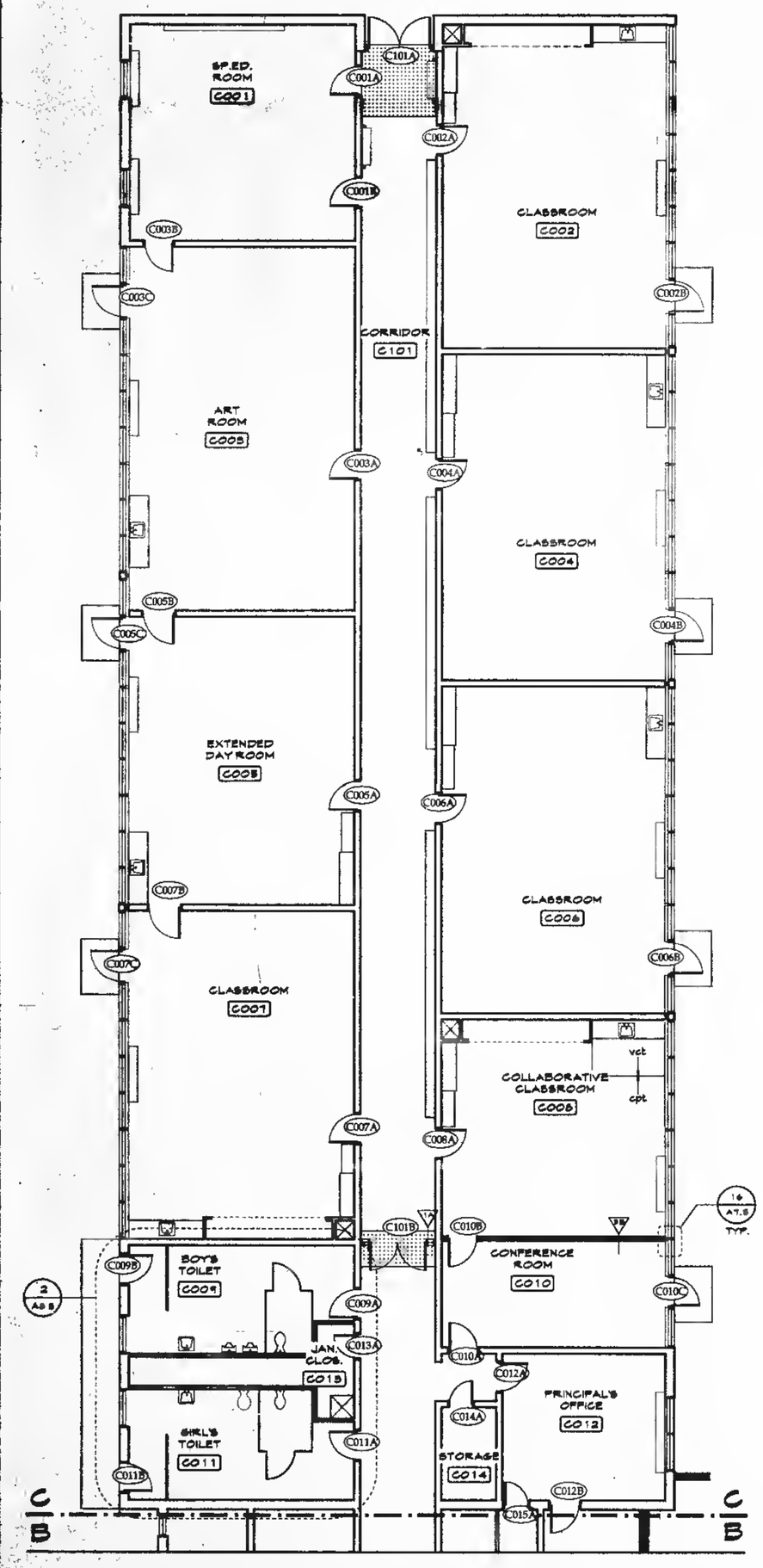
Block 'B' Floor Plan

Date: 3/20/97 Drawn By: MDD

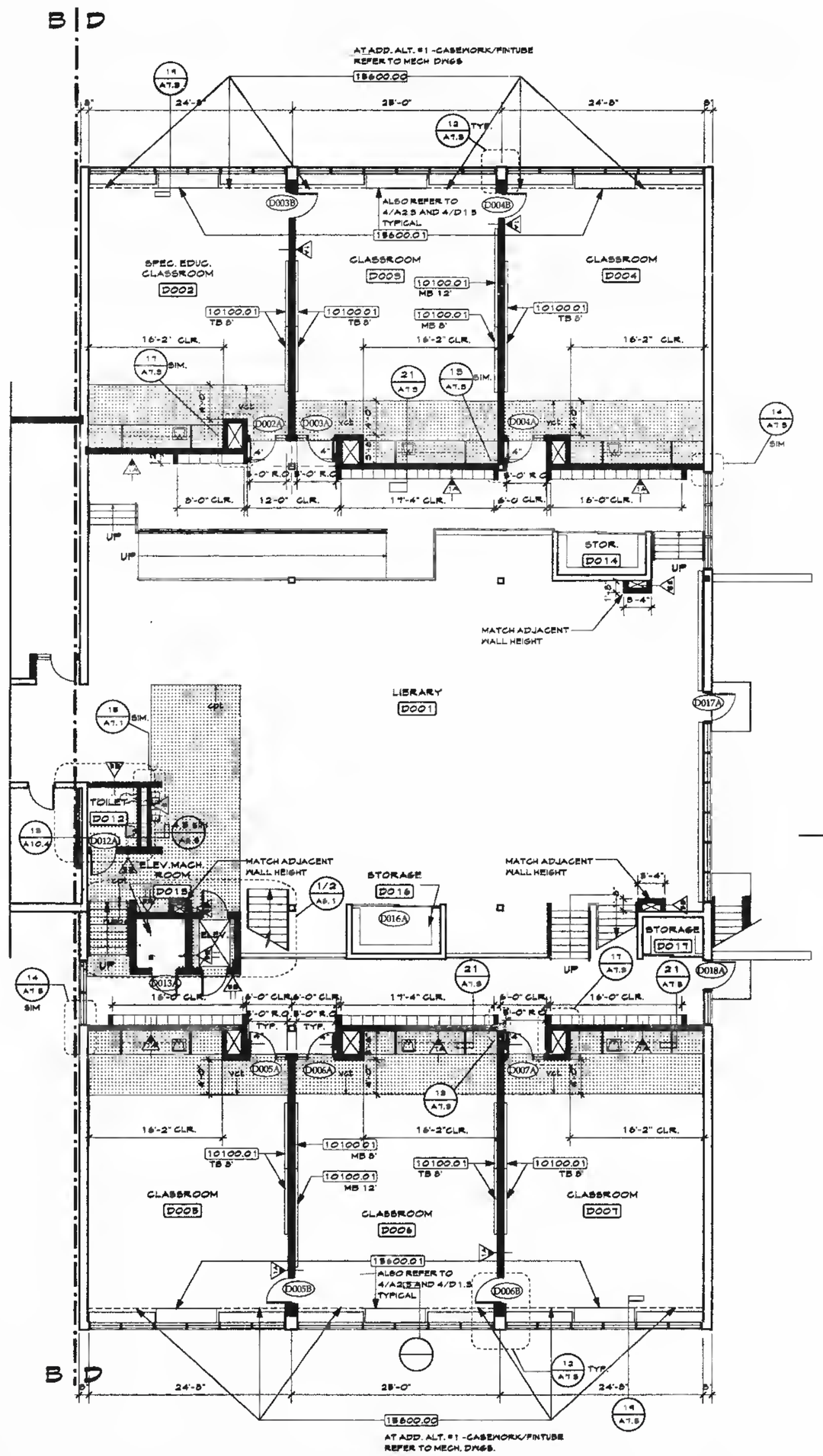
Scale: 1/8"=1'-0" Job No.: 9606

Sheet:

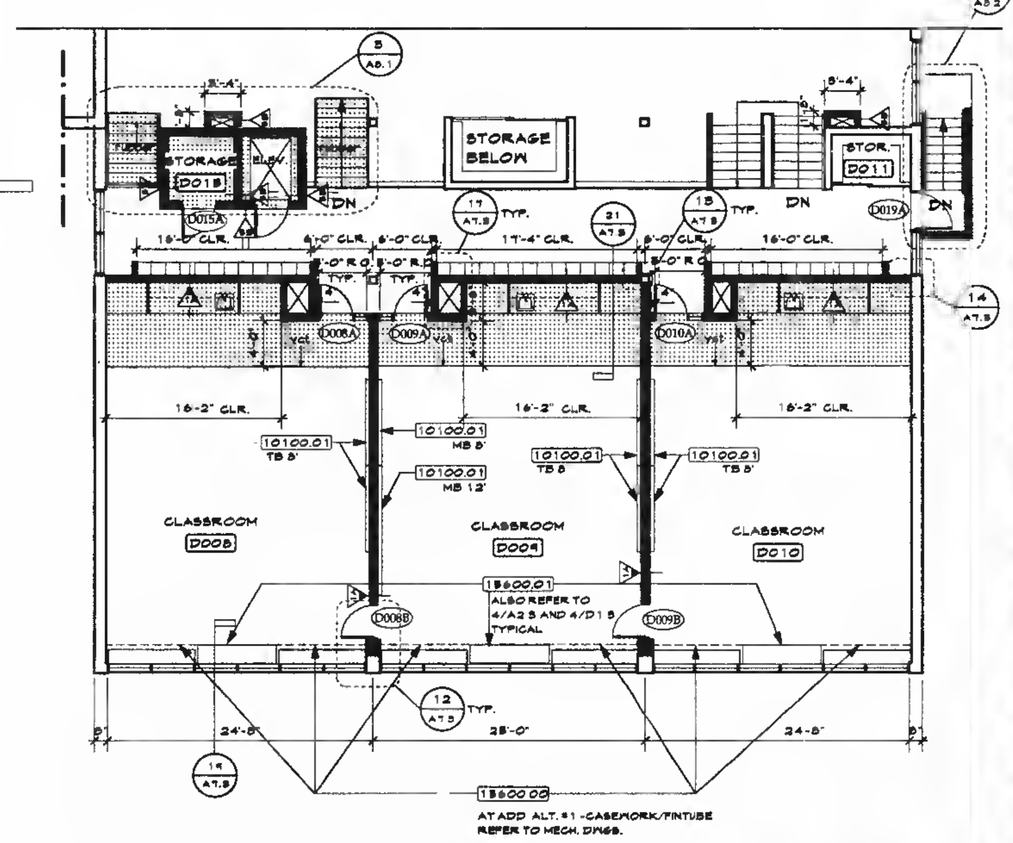
A2.2



1 A2.3 Block 'C' Floor Plan 1/8"=1'-0"



2 A2.3 Block 'D' Floor Plan 1/8"=1'-0"



5 A2.3 Block 'D' Mezz. Floor Plan 1/8"=1'-0"

GENERAL NOTES

Patch all holes in existing walls, floors, and ceilings created by the removal of existing items as indicated on the Architectural Demolition drawings, Plumbing, Fire Protection, Mechanical, and Electrical drawings. Patching shall match adjacent finish.

Refer to sheet A1.2 for Partition Types.

Refer to sheet A1.2 for Room Finish Schedule.

Refer to sheet A7.1 for Interior Glazing.

Refer to sheet A7.1 for Door Schedule.

Refer to sheet A4.1 for Interior Elevations.

Unless otherwise noted, all partitions shall be carried up to underside deck.

Existing material indicated to remain shall remain, as is, except when altered due to demolition or new construction. Unless detailed otherwise, repair, patch and finish to match adjacent surfaces.

Deflection Track:

All top runners shall be continuous 12 gauge, 2 inch deep deflection track. A 1/2 inch clearance shall be maintained at the tops of all studs. Stude shall not be connected to the deflection track. A continuous channel bridging shall be required within 12 inches of the deflection track at the top of the stude. Channel bridging spacing shall not exceed 8 foot on centers.

ADD ALTERNATES (See Specification for additional information)

ADD ALTERNATE #1 Baseboard fin tube heat with casework @ 4 IMC classrooms, Block 'D'

ADD ALTERNATE #2 Full sized Gym

ADD ALTERNATE #3 Finishes (new ceilings/carpet/ window treatment @ Block 'A')

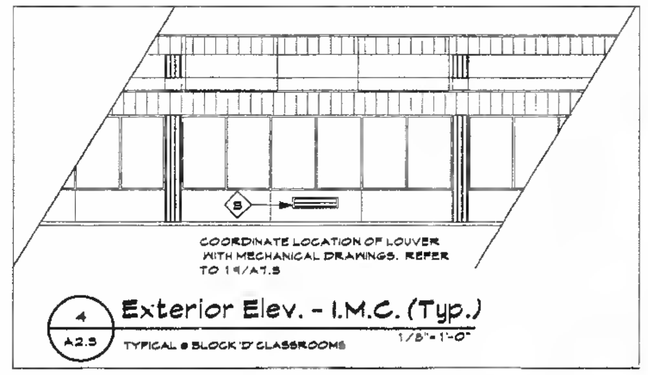
ADD ALTERNATE #4 Finishes (new ceilings/ carpet/ window treatment @ Block 'C')

ADD ALTERNATE #5 Finishes (new ceilings/ carpet/ window treatment @ Blocks 'B' and 'D')

ADD ALTERNATE #6 Finishes (new paint) @ Blocks 'A' and 'C'

ADD ALTERNATE #7 Finishes (new paint) @ Blocks 'B' and 'D'

ADD ALTERNATE #8 Canopy @ new entrance



4 A2.3 Exterior Elev. - I.M.C. (Typ.) 1/8"=1'-0"
TYPICAL @ BLOCK 'D' CLASSROOMS

LEGEND:

NEW WALL

EXISTING WALL

NEW FLOOR FINISH IN AREA WITH EXIST. TO REMAIN

KEYNOTES

02200.00 Earthworks
02200.00 Demolition
03800.01 Concrete - Refer to Structural Drawings
03800.02 Concrete foundation/footing - Refer to Structural Drawings
03800.03 Concrete slab on grade - Refer to Structural Drawings
04200.01 Masonry veneer wall construction
04200.02 Load bearing masonry wall construction
04200.03 Face Brick
04200.04 Reinforcing
04200.05 Flashing
04200.06 Grout
04200.07 Control joint
04200.08 Pressure
04200.09 2" Rigid insulation
04200.10 Thru wall flashing
04200.11 CMU
04200.12 Precast Concrete
04200.13 Split Rib CMU
04200.14 Ground face CMU
04200.15 Keep Picks
04200.16 Sound Block CMU
04200.17 Center Scored CMU
04200.18 Glass Block
05100.01 Structural Steel - Refer to Structural Drawings
05100.02 Steel beam/column - Refer to Structural Drawings
05300.01 Steel joists - Refer to Structural Drawings
05300.02 Joist seat - Height varies - Refer to Structural Drawings
05500.01 Metal decking - Refer to Structural Drawings
05500.02 Pour stop/slab closure
05500.05 Patch roof deck - refer to structural drawings
05400.01 Cold formed metal framing system
05400.02 Metal stud(s)
05400.03 Track
05400.04 Deflection track
05400.05 Channel bridging
05400.06 Exterior gypsum sheathing
05500.01 Miscellaneous metal materials
05500.02 Galvanized loose lintels - Refer to Loose Lintel Schedule on Structural Drawings
05500.03 Steel handrail assembly
05500.04 Steel guardrail assembly
05500.05 Steel pan stair assembly
05500.06 Security Screens
06100.01 Pressure treated wood blocking
06100.02 Wood blocking
06100.03 Pressure treated plywood
06100.04 Plywood
06100.05 Pressure treated wood framing
06100.06 Wood framing
06100.07 Hanger
06200.01 Hardwood trim, stain finish
06200.02 Softwood trim, paint finish
06200.03 Veneer plywood
06200.04 Vertical T & G Cedar siding to match existing
07100.01 Exterior sealant
07100.02 Interior sealant
07100.03 Exterior sealant and backer rod
07100.04 Interior sealant and backer rod
07100.05 Dampproofing
07100.06 Backer rod
07200.01 Fiberglass batt insulation
07200.02 Rigid insulation
07200.03 Fire safing insulation
07200.04 Vapor Barrier
07500.01 Modified Bitumen roofing system
07500.02 Flashing
07500.03 Roof edge fascia/gravel stop
07500.04 Metal hook strip/Cleat
07500.05 Rigid insulation
07500.06 Tapered rigid insulation
07500.07 Pre-formed metal
07500.08 Gutters
07500.09 EPDM
07500.10 Not Used
07500.11 Brake metal
07500.12 Metal fascia
07500.13 Lead coated flashing
07500.14 Downspouts
07500.15 Splash Blocks
07500.16 Cricket (1/4" slope)
07500.17 Expansion joint
07500.18 Scupper
07500.19 Termination Bar
07500.01 Skylight
08110.01 Hollow metal frame - Refer to Door Schedule
08110.02 Hollow metal door - Refer to door schedule
08210.01 Wood door - Refer to Door Schedule
08500.01 Aluminum window(s)
08500.02 Anchor clip
08500.03 Insect screen
08500.04 Sealant
08500.05 Alum. insulated panel
08500.06 Curtain wall
08500.07 Alum. panning
08500.08 Sealant
08710.00 Finish hardware
08500.01 Float glass
08500.02 Tempered glass
08500.03 Wire glass
08500.04 Laminated glass
08500.05 Insulating glass
08100.00 Curtain wall
08300.01 Lath & Plaster
08280.01 Gypsum board wall construction
08280.02 Gypsum board ceiling construction
08280.03 Metal stud(s)
08280.04 Metal stud track
08280.05 Furring channel
08280.06 Cold rolled channel
08280.07 Gypsum wall board
08280.08 Moisture-resistant gypsum board
08280.09 Fire-resistant gypsum board
08280.10 Control joint
08280.11 Corner bead
08280.12 Ceiling bead
08280.13 Deflection track
08280.14 Acoustical insulation
08280.15 Cove board
08280.16 1" Shaft Liner
08800.01 Ceramic wall tile
08800.02 Ceramic floor tile
08800.03 Ceramic tile base
09400.00 Field Terrazzo
09500.01 Acoustical tile/panel ceiling system
09500.02 Pre-finished metal suspension system
09500.03 Pre-finished metal trim
09500.04 1 x 1 ACT Panels adhered
09680.01 Vinyl composition tile
09680.02 Sheet flooring
09680.03 Vinyl base
09680.04 One piece rubber stair tread and riser
09680.05 Rubber flooring - seamless
09900.01 Carpeting
09100.01 Composite synthetic gym flooring
10100.01 Chalkboards, markerboards, tack - boards
10150.01 Compartments & cubicles
10200.01 Louvers & vents
10400.01 Identifying devices
10500.01 Toilet paper dispenser - TPD
10500.02 Sanitary napkin receptacle - SNR
10500.03 Sanitary napkin/tampon dispenser - SND
10500.04 Paper towel dispenser/receptacle PTD/R
10500.05 8'-6" Knurled grab bar - GB
10500.06 Wall mounted soap dispenser - WSD
10500.07 Not Used
10500.08 Mirror with stainless steel frame
10500.09 Mop rack/shelf assembly
10440.01 Fire extinguisher
10440.02 Fire extinguisher and cabinet
10439.03 Expansion joints
11132.01 Projection Screens
11450.01 Kitchen equipment
12500.01 Fixed Casework
12500.01 Window treatment
12510.01 Floor mats & frames
14200.01 Elevators
15400.01 Plumbing - Refer to Plumbing Drawings
15400.03 Drinking fountain/Electric water cooler, Handicapped accessible - Refer to Plumbing Drawings
15400.04 Water closet - Handicapped accessible - HCWC
15400.05 Water closet - WC
15400.06 Urinal - Handicapped accessible - HCUR
15400.07 Urinal - UR
15400.08 Lavatory
15400.09 Lavatory - Handicapped accessible
15400.10 Floor drain - Refer to Plumbing Drawings
15400.11 Roof drain - Refer to Plumbing Drawings
15900.01 Heat pump unit - Refer to HVAC Drawings
15900.02 Ductwork - Refer to HVAC Drawings
15900.03 HVAC piping - Refer to HVAC Drawings
15900.04 Hydro radiation
16000.01 Electrical Fixture - Refer to Electrical Drawings
16000.02 Exit sign - Refer to Electrical Drawings
16000.03 Clock refer to Electrical
16000.04 Speaker refer to Electrical
16740.00 Technology Systems

Stamp:

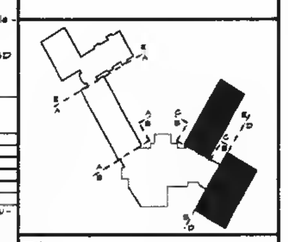
Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Additions and Alterations to the

Pine Hill School

Sherborn, Massachusetts



Title:

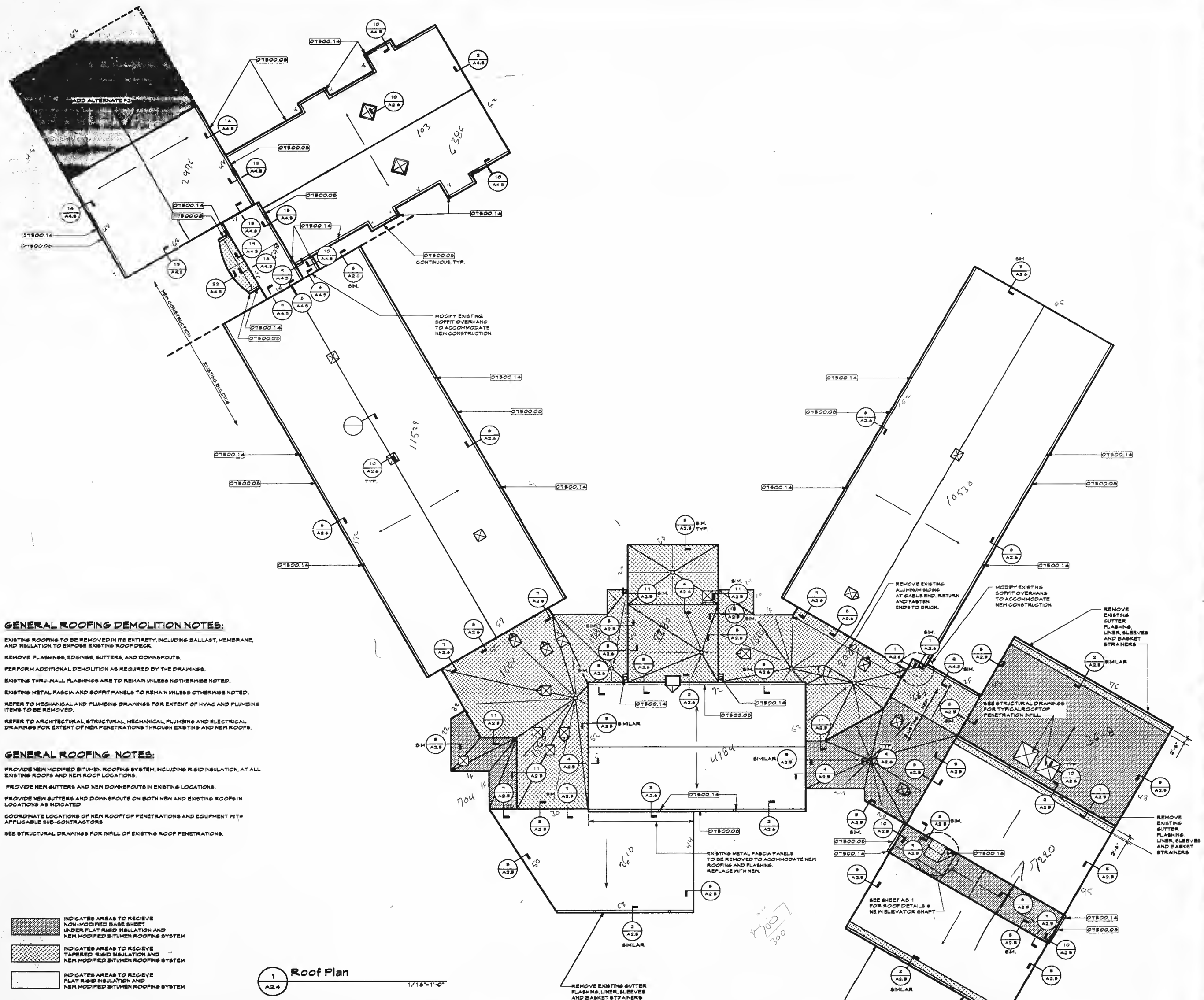
Block 'C'
Block 'D'
Block 'D' Mezz.
Floor Plans

Date: 3/20/97 Drawn By: MDD

Scale: 1/8"-1'-0" Job No.: 9606

Sheet:

A2.3



1 A2.4 **Roof Plan** 1/16"=1'-0"

GENERAL ROOFING DEMOLITION NOTES:

EXISTING ROOFING TO BE REMOVED IN ITS ENTIRETY, INCLUDING BALLAST, MEMBRANE, AND INSULATION TO EXPOSE EXISTING ROOF DECK.

REMOVE FLASHINGS, EDGINGS, GUTTERS, AND DOWNSPOUTS.

PERFORM ADDITIONAL DEMOLITION AS REQUIRED BY THE DRAWINGS.

EXISTING THRU-WALL FLASHINGS ARE TO REMAIN UNLESS NOTHERWISE NOTED.

EXISTING METAL FASCIA AND SOFFIT PANELS TO REMAIN UNLESS OTHERWISE NOTED.

REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXTENT OF HVAC AND PLUMBING ITEMS TO BE REMOVED.

REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR EXTENT OF NEW PENETRATIONS THROUGH EXISTING AND NEW ROOFS.

GENERAL ROOFING NOTES:

PROVIDE NEW MODIFIED BITUMEN ROOFING SYSTEM, INCLUDING RIGID INSULATION, AT ALL EXISTING ROOFS AND NEW ROOF LOCATIONS.

PROVIDE NEW GUTTERS AND NEW DOWNSPOUTS IN EXISTING LOCATIONS.

PROVIDE NEW GUTTERS AND DOWNSPOUTS ON BOTH NEW AND EXISTING ROOFS IN LOCATIONS AS INDICATED

COORDINATE LOCATIONS OF NEW ROOFTOP PENETRATIONS AND EQUIPMENT WITH APPLICABLE SUB-CONTRACTORS

SEE STRUCTURAL DRAWINGS FOR INFILL OF EXISTING ROOF PENETRATIONS.

INDICATES AREAS TO RECIEVE NON-MODIFIED BASE SHEET UNDER FLAT RIGID INSULATION AND NEW MODIFIED BITUMEN ROOFING SYSTEM

INDICATES AREAS TO RECIEVE TAPERED RIGID INSULATION AND NEW MODIFIED BITUMEN ROOFING SYSTEM

INDICATES AREAS TO RECIEVE FLAT RIGID INSULATION AND NEW MODIFIED BITUMEN ROOFING SYSTEM

KEYNOTES

02300.00 Earthworks
[illegible]
05500.01 Concrete - Refer to Structural Drawings
05500.02 Concrete foundation/footing - Refer to Structural Drawings
05500.05 Concrete slab on grade - Refer to Structural Drawings
04200.01 Masonry veneer wall construction
04200.02 Load bearing masonry wall construction
04200.03 Face Brick
04200.04 Reinforcing
04200.05 Flashing
04200.06 Grout
04200.07 Control joint
04200.08 Pavestone
04200.09 2" Rigid insulation
04200.10 Thru wall flashing
04200.11 CMU
04200.12 Precast Concrete
04200.13 Split Rib CMU
04200.14 Ground face CMU
04200.15 Keep Micks
04200.16 Sound Block CMU
04200.17 Center Scores CMU
04200.18 Glass Block
05100.01 Structural steel - Refer to Structural Drawings
05100.02 Steel beam/column - Refer to Structural Drawings
05200.01 Steel joists - Refer to Structural Drawings
05200.02 Joist seat - Height varies - Refer to Structural Drawings
05500.01 Metal decking - Refer to Structural Drawings
05500.02 Pour stops/slab edges
05500.03 Patch roof deck - refer to structural drawings
05400.01 Cold formed metal framing system
05400.02 Metal stud(s)
05400.03 Track
05400.04 Deflection track
05400.05 Channel bridging
05400.06 Exterior wall sheathing
[illegible]
05500.02 Galvanized lintels - Refer to Lintel Schedule on Structural Drawings
05500.03 Steel handrail assembly
05500.04 Steel guardrail assembly
05500.05 Steel pan stair assembly
[illegible]
06100.01 Pressure treated wood blocking
06100.02 Wood blocking
06100.03 Pressure treated plywood
06100.04 Plywood
06100.05 Pressure treated wood framing
06100.06 Wood framing
06100.07 Header
06200.01 Hardwood trim, paint finish
06200.02 Soft wood trim, paint finish
06200.03 Veneer plywood
06200.04 Vertical T & G Cedar Siding to match existing
07100.01 Exterior sealant
07100.02 Interior sealant
07100.03 Exterior sealant and backer rod
07100.04 Interior sealant and backer rod
07100.05 Dampproofing
07100.06 Sealer rod
07200.01 Fiberglass insulation
07200.02 Rigid insulation
07200.03 Fire safing insulation
07200.04 Vapor Barrier
07500.01 Modified Bitumen roofing system
07500.02 Flashing
07500.03 Roof edge fascia/gravel stop
07500.04 Metal hook strip/Cleat
07500.05 Rigid insulation
07500.06 Tapered rigid insulation
07500.07 Pre-formed metal
07500.08 Gutters
07500.09 EPDM
07500.10 Not Used
07500.11 Brake metal
07500.12 Metal fascia
07500.13 Lead coated flashing
07500.14 Downspouts
07500.15 Splash Blocks
07500.16 Cricket (1/4" slope)
07500.17 Expansion Joint
07500.18 Scupper
07500.19 Termination Bar
[illegible]
08110.01 Hollow metal frame - Refer to Door Schedule
08110.02 Hollow metal door - Refer to door schedule
08210.01 Wood door - Refer to Door Schedule
08900.01 Aluminum (unspecified)
08500.03 Anchor clip
08500.05 Insect screen
08500.06 Sash
08500.08 Alum. insulated panel
08500.09 Curtain wall
08500.07 Alum. parking
[illegible]
08710.00 Door hardware
[illegible]
08800.02 Tempered glass
08800.03 Mirror glass
08800.04 Laminated glass
08800.05 Insulating glass
[illegible]
09250.01 Gypsum board wall construction
09250.02 Gypsum board ceiling construction
09250.03 Metal stud(s)
09250.04 Metal stud track
09250.05 Furring channel
09250.06 Cold rolled channel
09250.07 Gypsum wall board
09250.08 Moisture-resistant gypsum board
09250.09 Fire-resistant gypsum board
09250.10 Control joint
09250.11 Corner bead
09250.12 Casing bead
09250.13 Deflection track
09250.14 Radiantical insulation
09250.15 Conc. board
09250.16 [illegible] Shaft liner
[illegible] Ceramic tile
09500.02 Ceramic floor tile
09500.03 Ceramic tile base
[illegible]
09510.01 Acoustic ceiling system
09500.02 Pre-finished metal suspension system
09500.03 Pre-finished metal trim
09500.04 [illegible] Finish painted
[illegible] Vinyl composition tile
09650.02 Sheet flooring
09650.03 Vinyl base
09650.04 One piece rubber stair tread and riser
09650.05 Rubber flooring - seamless
[illegible]
10100.01 Chalkboard/marker board
[illegible]
10500.01 Toilet paper dispenser - TPD
10500.02 Sanitary napkin receptacle - SNR
10500.03 Sanitary napkin/tampon dispenser - SND
10500.04 Paper Towel dispenser/receptacle - PTD/R
10500.05 5'-6" Knurled grab bar - GB
10500.06 Wall mounted soap dispenser - WSD
10500.07 Not Used
10500.08 Mirror with stainless steel frame
10500.09 Mop rack/shelf assembly
10990.01 Fire extinguisher
10990.02 Fire extinguisher and cabinet
[illegible]
[illegible] Projection Screens
[illegible]
[illegible] Chalkboard
[illegible] Window treatment
[illegible] Floor mats & frames
[illegible]
19400.01 Plumbing - Refer to Plumbing Drawings
19400.05 Drinking fountain/Electric water cooler, Handicapped accessible - Refer to Plumbing Drawings
19400.04 Water closet - Handicapped accessible - HCWC
19400.05 Water closet - WC
19400.06 Urinal - Handicapped accessible - HCUR
19400.07 Urinal - UR
19400.08 Lavatory
19400.09 Lavatory - Handicapped accessible
19400.10 Floor drain - Refer to Plumbing Drawings
19400.11 Roof drain - Refer to Plumbing Drawings
[illegible] Mechanical - Refer to HVAC Drawings
19500.03 Ductwork - Refer to HVAC Drawings
19500.05 HVAC piping - Refer to HVAC Drawings
[illegible] Electrical - Refer to Electrical Drawings
19000.02 Exit sign - Refer to Electrical Drawings
19000.05 Clock refer to Electrical
19000.04 Speaker refer to Electrical
19100.00 Telephone System

Stamp:

Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Additions and Alterations to the

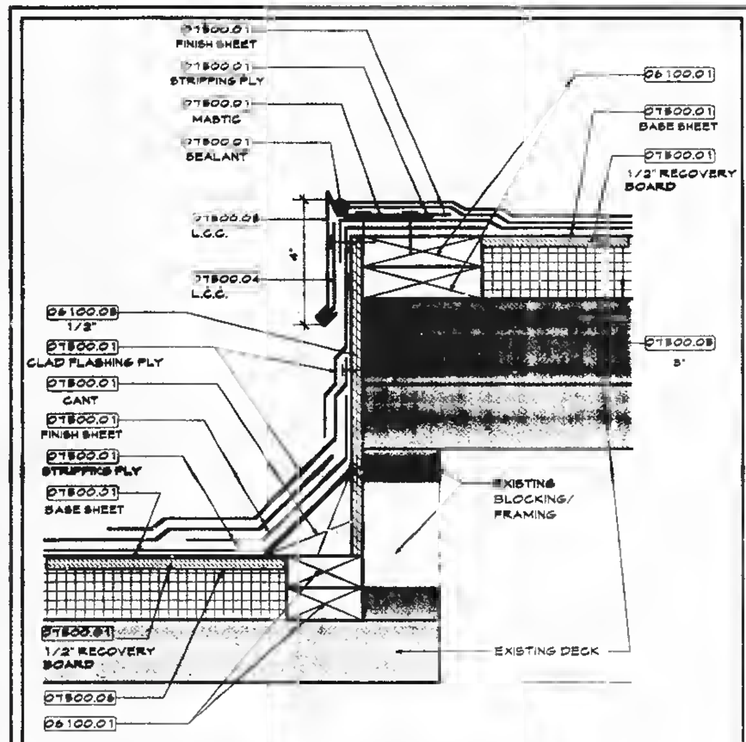
Pine Hill School

Sherborn, Massachusetts

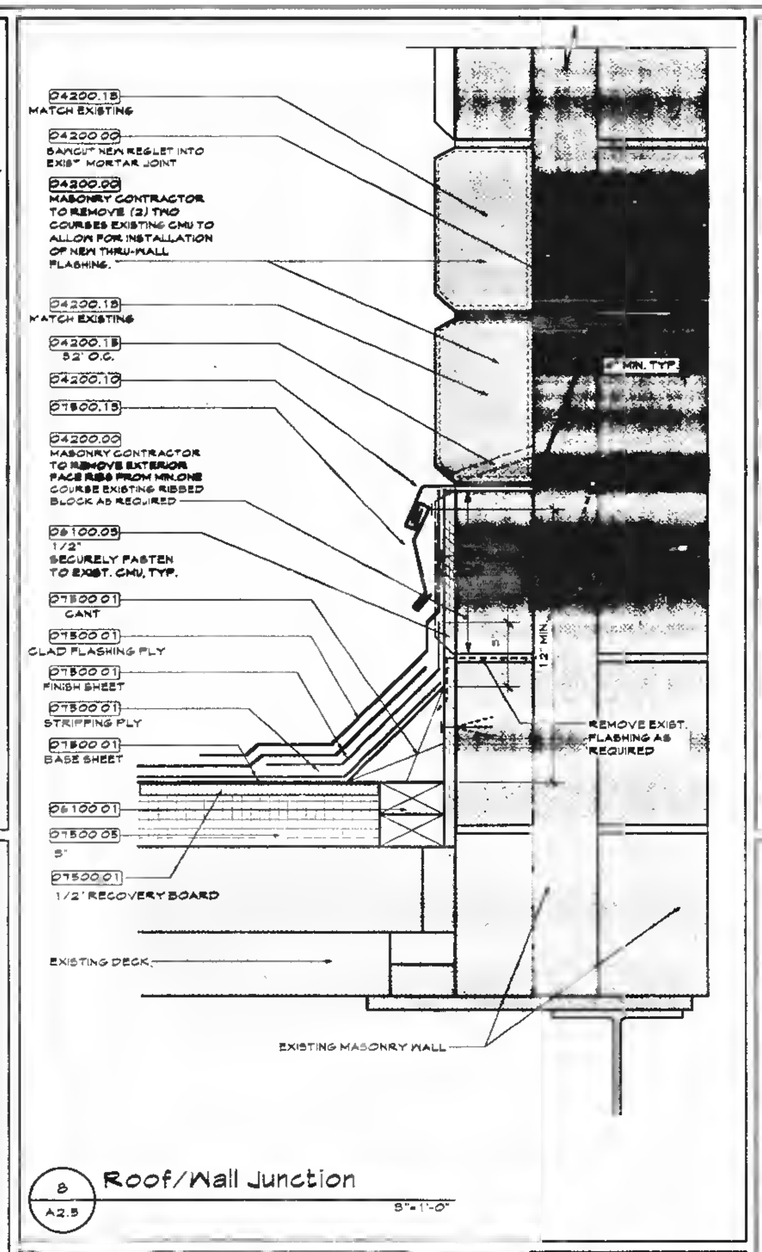
Title: **Roof Plan**

Date: 3/20/97 Drawn By: MJL
Scale: 1/16"=1'-0" Job No.: 9606.0

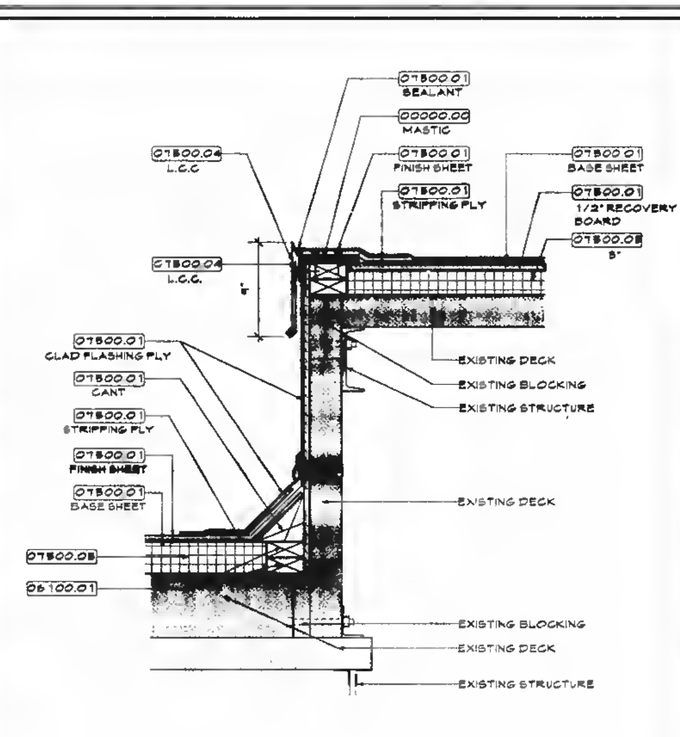
Sheet: **A2.4**



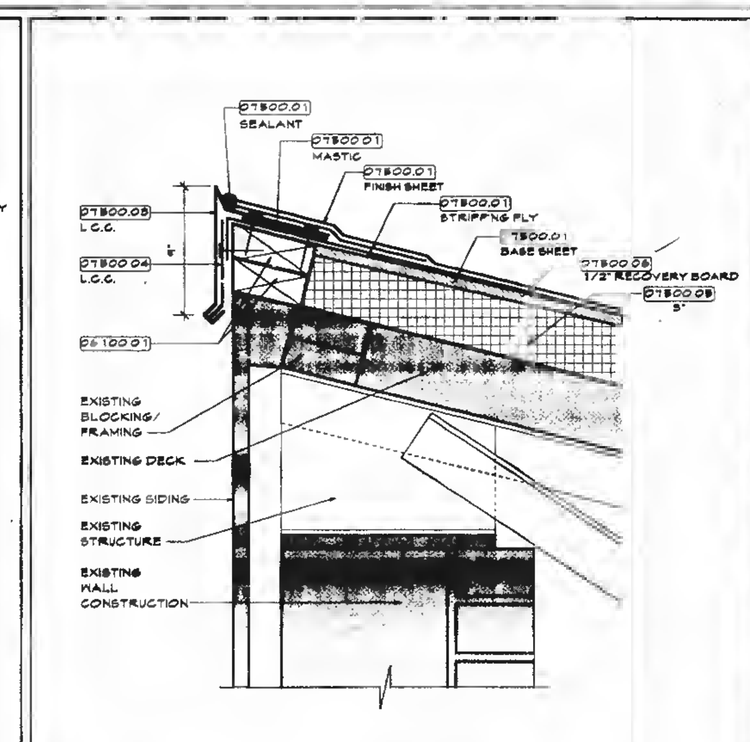
11 A2.5 **Roof Detail** 3"=1'-0"



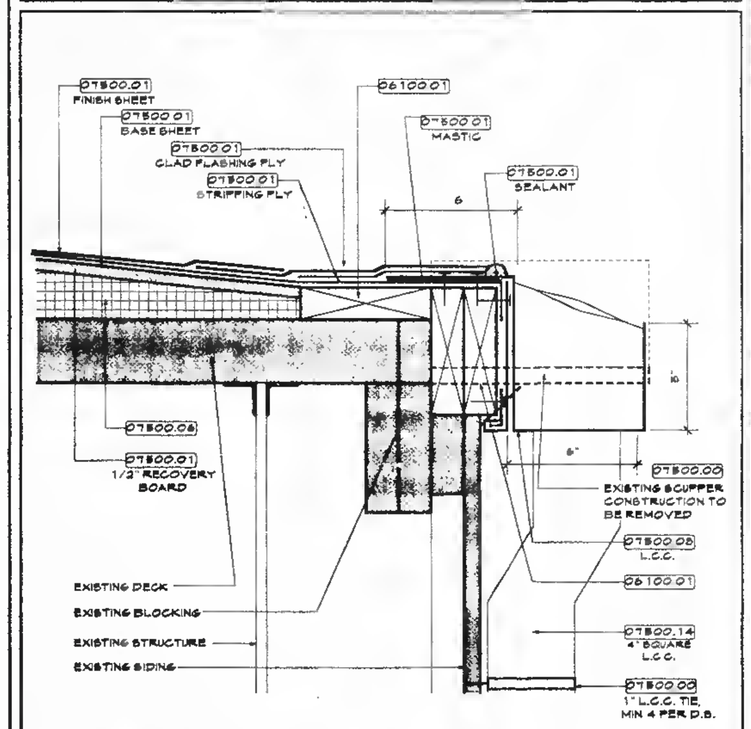
8 A2.5 **Roof/Wall Junction** 3"=1'-0"



6 A2.5 **Roof Transition Detail** 1 1/2"=1'-0"

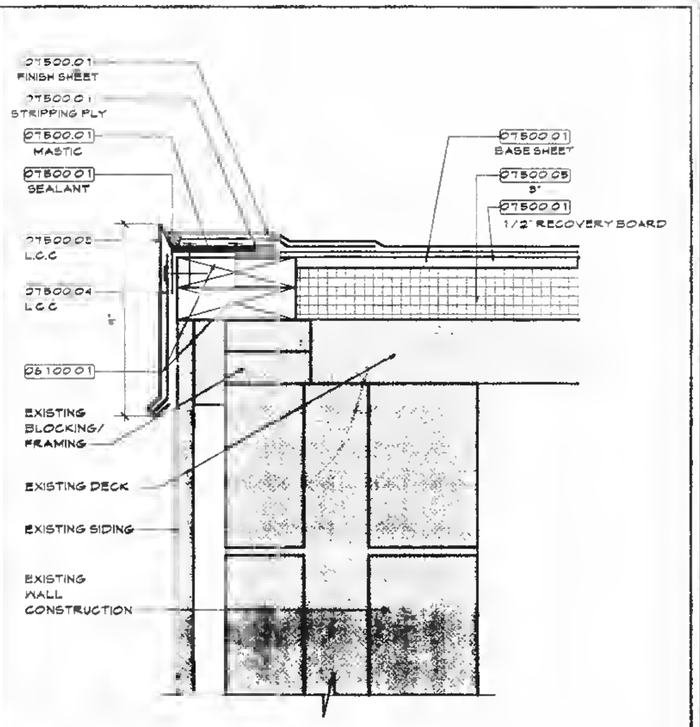


3 A2.5 **Roof Edge Detail** 3"=1'-0"

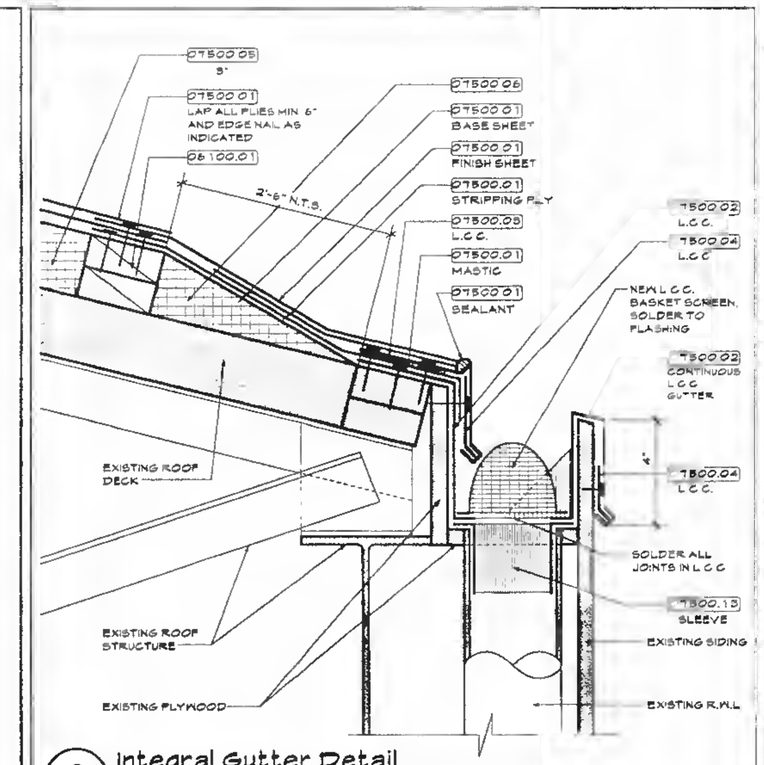


10 A2.5 **Roof Edge/Gutter Detail** 3"=1'-0"

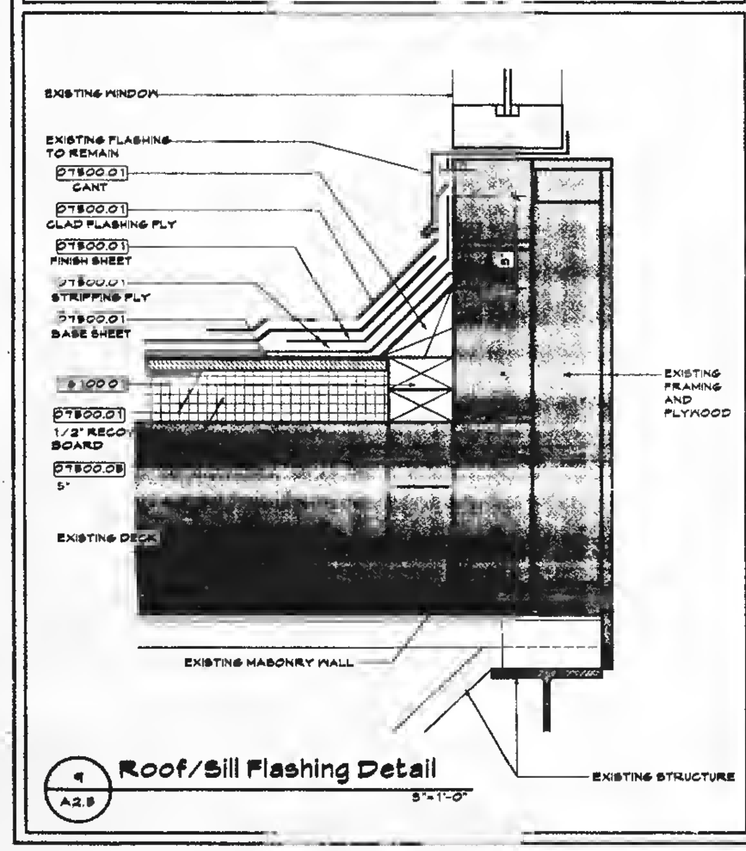
7a A2.5 **Typical Horizontal Flashing Lap** 3"=1'-0"



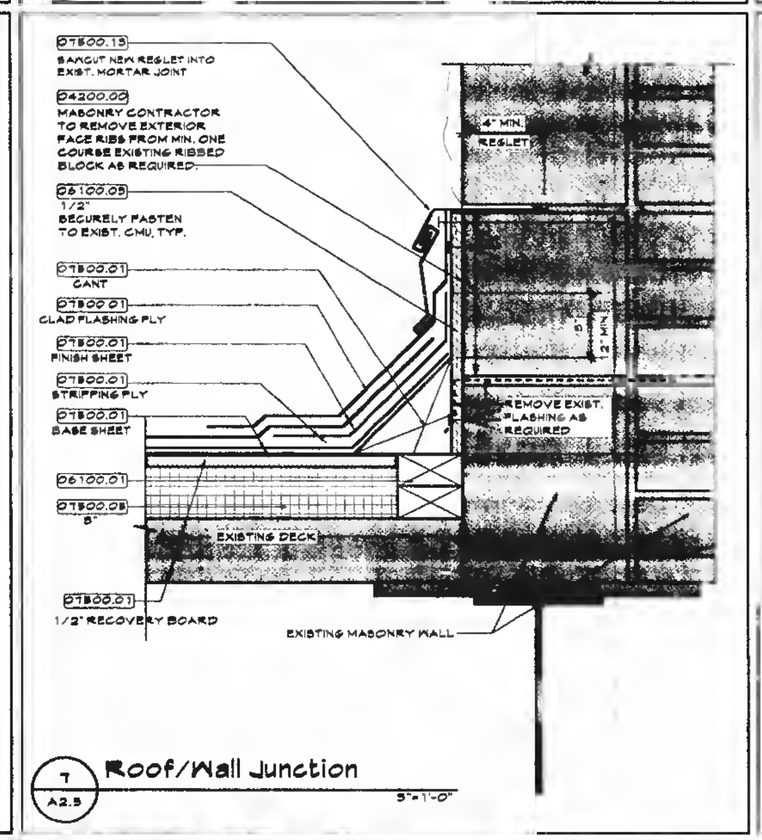
5 A2.5 **Roof Edge Detail** 3"=1'-0"



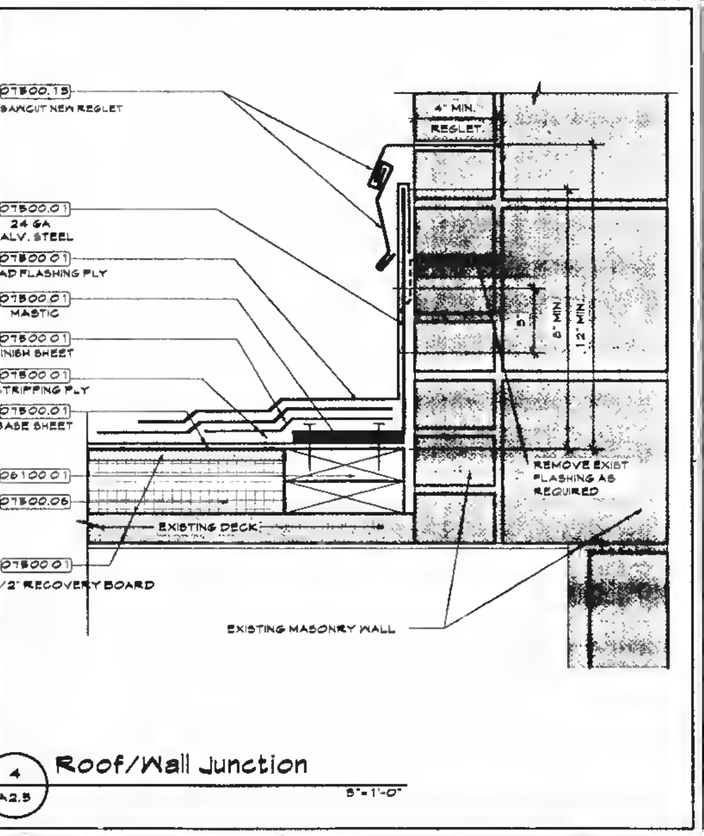
2 A2.5 **Integral Gutter Detail** 3"=1'-0"



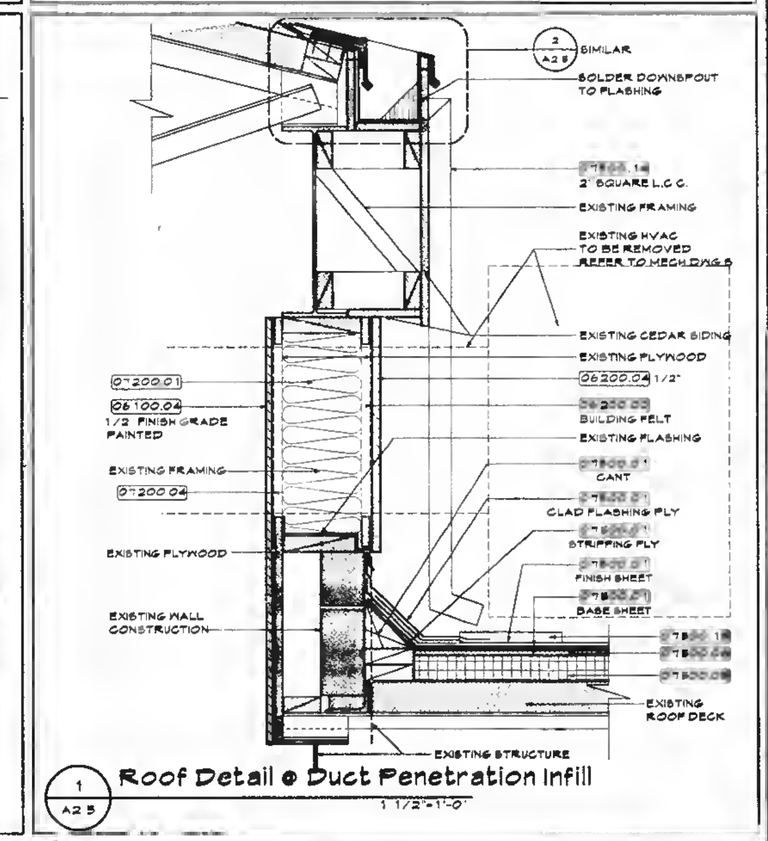
9 A2.5 **Roof/Sill Flashing Detail** 3"=1'-0"



7 A2.5 **Roof/Wall Junction** 3"=1'-0"



4 A2.5 **Roof/Wall Junction** 3"=1'-0"



1 A2.5 **Roof Detail @ Duct Penetration Infill** 1 1/2"=1'-0"

KEYNOTES

022 10.00	Earthworks
033 20.00	Concrete
033 10.01	Concrete - Refer to Structural Drawings
033 10.02	Concrete foundation/footing - Refer to Structural Drawings
033 10.03	Concrete slab on grade - Refer to Structural Drawings
042 10.00	Masonry
042 10.01	Masonry veneer wall construction
042 10.02	Load bearing masonry wall construction
042 10.03	Face Brick
042 10.04	Reinforcing
042 10.05	Flashing
042 10.06	Grout
042 10.07	Control joints
042 10.08	Pebble
042 10.09	2" Rigid insulation
042 10.10	Thru wall flashing
042 10.11	CMU
042 10.12	Precast Concrete
042 10.13	Split Rib CMU
042 10.14	Ground face CMU
042 10.15	Weep holes
042 10.16	Sound Block CMU
042 10.17	Center Scored CMU
042 10.18	Glass Block
051 10.01	Structural steel - Refer to Structural Drawings
051 10.02	Steel beam/column - Refer to Structural Drawings
052 10.01	Steel joists - Refer to Structural Drawings
052 10.02	Joist seat - Height varies - Refer to Structural Drawings
055 10.01	Metal decking - Refer to Structural Drawings
055 10.03	Pour stop/slab closure
055 10.04	Patch roof deck - refer to structural details
054 10.01	Cold formed metal framing system
054 10.02	Metal stud(s)
054 10.03	Track
054 10.04	Deflection track
054 10.05	Channel bridging
054 10.06	Exterior sheathing
055 10.01	Miscellaneous metal work
055 10.02	Galvanized steel lintels - Refer to Lintel Schedule on Structural Drawings
055 10.03	Steel frame assembly
055 10.04	Steel guards assembly
055 10.05	Steel pan stair assembly
055 10.06	Steel railings
061 10.01	Wood blocking
061 10.02	Wood blocking
061 10.03	Pressure treated plywood
061 10.04	Plywood
061 10.05	Pressure treated wood framing
061 10.06	Wood framing
061 10.07	Hanger
061 10.08	Plywood underlayment
061 10.09	Plywood underlayment
062 10.02	Plywood
062 10.03	Veneer plywood
062 10.04	Vertical T & G cedar siding to match existing
071 10.01	Exterior sealant
071 10.02	Interior sealant
071 10.03	Exterior sealant and backer rod
071 10.04	Interior sealant and backer rod
071 10.05	Dampproofing
071 10.06	Sealant
072 10.01	Batt wall insulation
072 10.02	Rigid insulation
072 10.03	Fire safing insulation
072 10.04	Vapor Barrier
072 10.05	Protected membrane roofing system
073 10.02	Flashing
073 10.03	Roof edge fascia/drave stop
073 10.04	Metal hook strip/clips
073 10.05	Rigid insulation
073 10.06	Tapered rigid insulation
073 10.07	Pre-formed metal
073 10.08	Gutters
073 10.09	EPDM
073 10.10	Not used
073 10.11	Brake metal
073 10.12	Metal fascia
073 10.13	Soffit/Metal flashing
073 10.14	Downspouts
073 10.15	Splash Blocks
073 10.16	Crickets (1/4" slope)
073 10.17	Expansion Joint
073 10.18	Scupper
073 10.19	Termination Bar
074 10.01	Siding
081 10.01	Hollow metal frame - Refer to door schedule
081 10.02	Hollow metal door - Refer to door schedule
082 10.01	Wood door - Refer to door schedule
083 10.01	Aluminum windows
083 10.02	Anchor clip
083 10.03	Insect screen
083 10.04	Sealant
083 10.05	Alum. insulated panel
083 10.06	Curtain wall
083 10.07	Alum. panning
083 10.08	Sealant
084 10.01	Storefront
084 10.02	Glass
085 10.03	Tempered glass
085 10.04	Wire glass
085 10.05	Laminated glass
085 10.06	Insulating glass
085 10.07	Mirror
085 10.08	Plexiglass
091 10.01	Gypsum wall board construction
091 10.02	Gypsum board ceiling construction
091 10.03	Metal stud(s)
091 10.04	Metal stud track
091 10.05	Furring channel
091 10.06	Cold rolled channel
091 10.07	Gypsum wall board
091 10.08	Moisture resistant gypsum board
091 10.09	Fire-resistant gypsum board
091 10.10	Control joint
091 10.11	Corner bead
091 10.12	Casing bead
091 10.13	Deflection track
091 10.14	Acoustical insulation
091 10.15	Cont. board
091 10.16	1" Shaft liner
092 10.01	Ceramic tile
092 10.02	Ceramic floor tile
092 10.03	Ceramic base
092 10.04	Floor tile
093 10.01	Acoustical tile/panel ceiling system
093 10.02	Pre-finished metal suspension system
093 10.03	Pre-finished metal trim
093 10.04	1" x 1" Metal Fence and rail
094 10.01	Vinyl composition
094 10.02	Sheet flooring
094 10.03	Vinyl base
094 10.04	One piece rubber stair tread and riser
094 10.05	Rubber flooring - aggregate
[illegible]	[illegible]
[illegible]	Chalkboards/markerboards, tackboards
[illegible]	Locker benches
[illegible]	Lockers
[illegible]	Toilet partitions
105 10.01	Toilet/paper dispenser - TPD
105 10.02	Sanitary napkin receptacle - SNR
105 10.03	Sanitary napkin/tampon dispenser - SND
105 10.04	Paper towel dispenser/receptacle - PTD/R
105 10.05	5'-6" Knurled grab bar - GB
105 10.06	Wall mounted soap dispenser - WSD
105 10.07	Not used
105 10.08	Mirror with stainless steel frame
105 10.09	Mop rack/mop assembly
105 10.10	Fire extinguisher and cabinet
105 10.11	Exterior signage
[illegible]	Toilet accessories
[illegible]	Not used
[illegible]	Not used
[illegible]	Wood treatment
[illegible]	Not used/Alternate
[illegible]	Insulation
[illegible]	Plumbing - Refer to Plumbing Drawings
184 10.03	Drinking fountain/Electric water cooler - Handicapped accessible - Refer to Plumbing Drawings
184 10.04	Water closet - Handicapped accessible - HVAC
184 10.05	Water closet - HC
184 10.06	Urinal - Handicapped accessible - HCUR
184 10.07	Urinal - UR
184 10.08	Lavatory
184 10.09	Lavatory - Handicapped accessible
184 10.10	Floor drain - Refer to Plumbing Drawings
184 10.11	Roof drain - Refer to Plumbing Drawings
[illegible]	[illegible] - Refer to HVAC Drawings
186 10.02	Ductwork - Refer to HVAC Drawings
186 10.03	HVAC piping - Refer to HVAC Drawings
[illegible]	[illegible]
160 00.01	Electrical fixture - Refer to Electrical Drawings
160 00.02	Exit sign - Refer to Electrical Drawings
160 00.03	Clock refer to Electrical
160 00.04	Speaker refer to Electrical
[illegible]	Fire alarm system

Stamp:

Revisions:

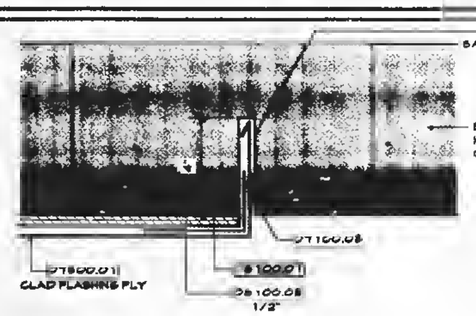
A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-437-0200 Facsimile 617-437-3999

Addition and Alterations to the
Pine Hill School
Sherborn, Massachusetts

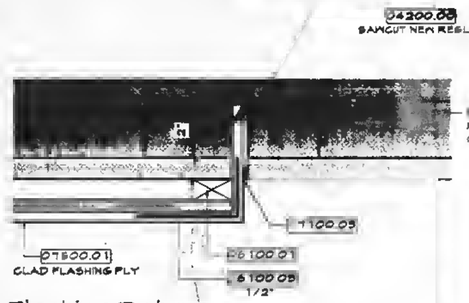
Roof Details

Date: 3/20/97 Drawn By: MJL
Scale: As Noted Job No.: 9606.0
Sheet:

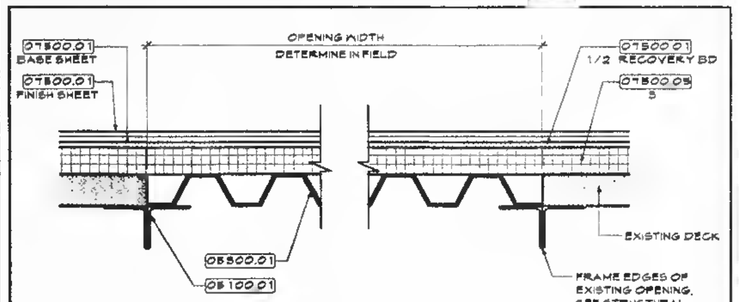
A2.5



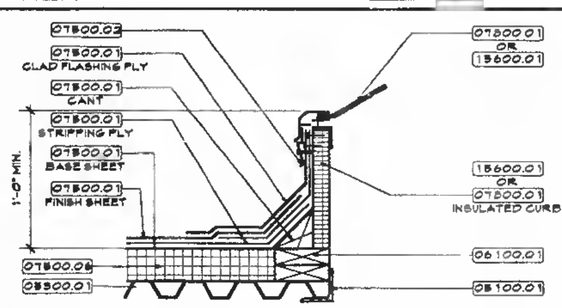
12 A2.6 **Flashing Return** 3"=1'-0"



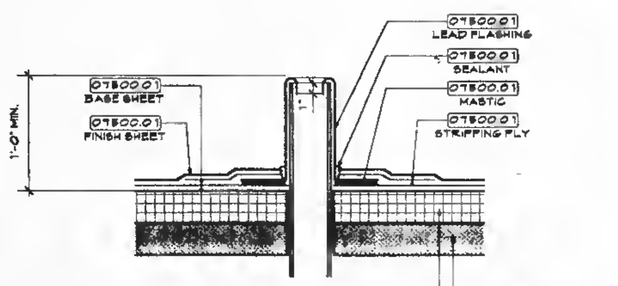
11 A2.6 **Flashing Return** 3"=1'-0"



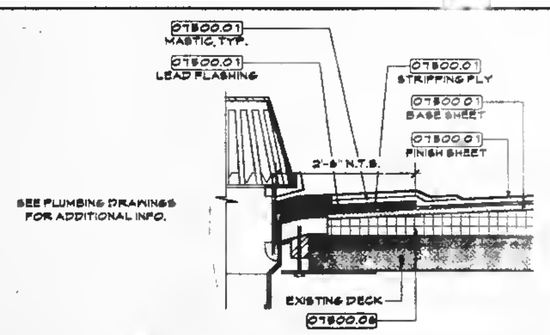
10 A2.6 **Roof Opening Infill Detail** TYPICAL AT EXISTING CONSTRUCTION 2"=1'-0"



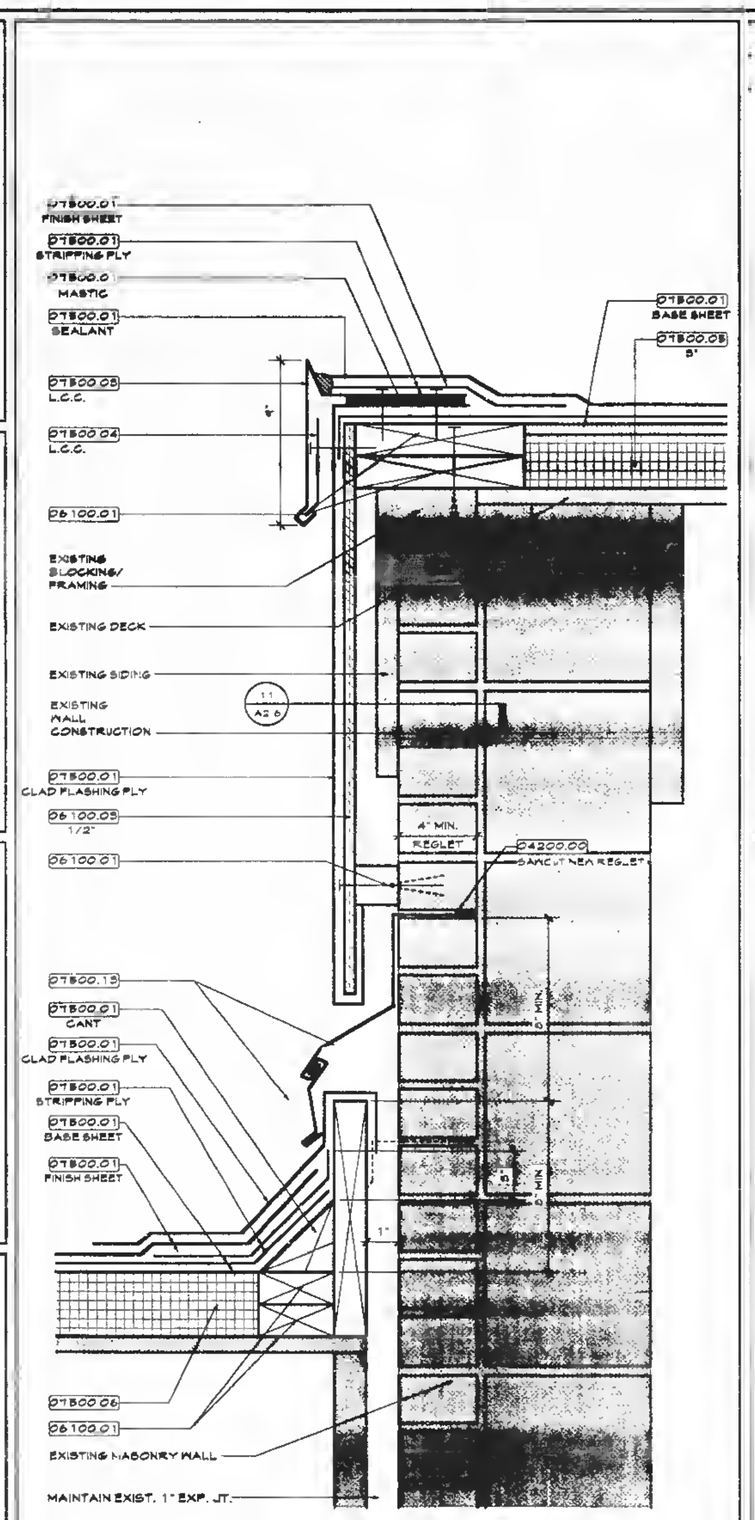
10 A2.6 **Roof Curb Detail** EXISTING ROOF DECK AND STRUCTURE AT SIMILAR CONDITION 1 1/2"=1'-0"



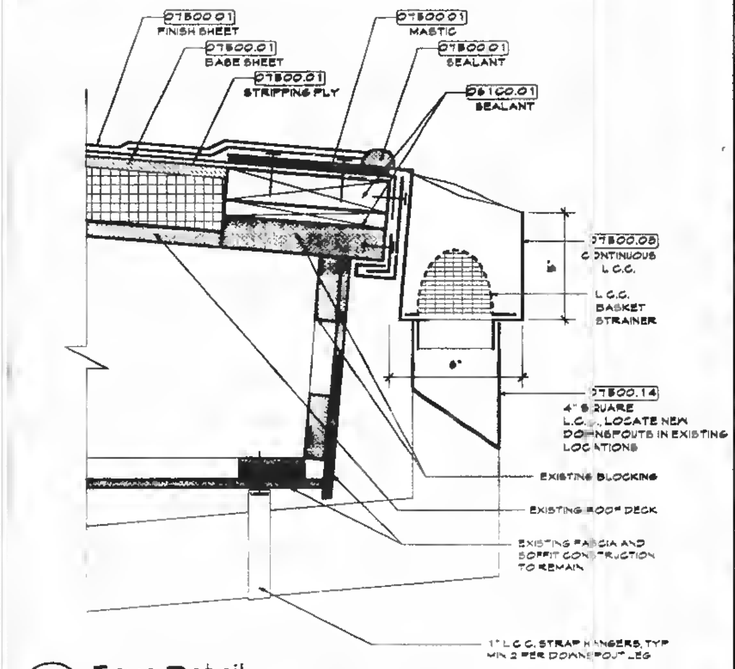
9 A2.6 **Vent Pipe Flashing** 1 1/2"=1'-0"



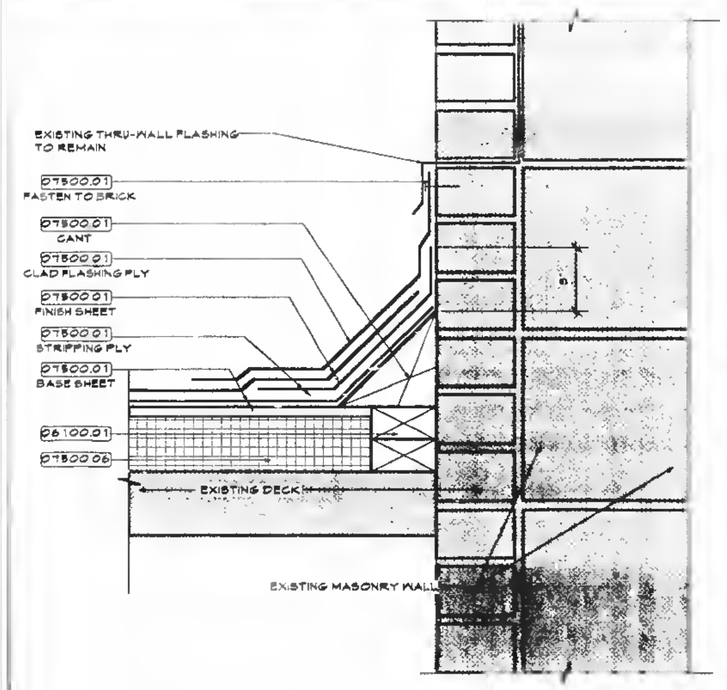
9 A2.6 **Roof Drain Detail** 1 1/2"=1'-0"



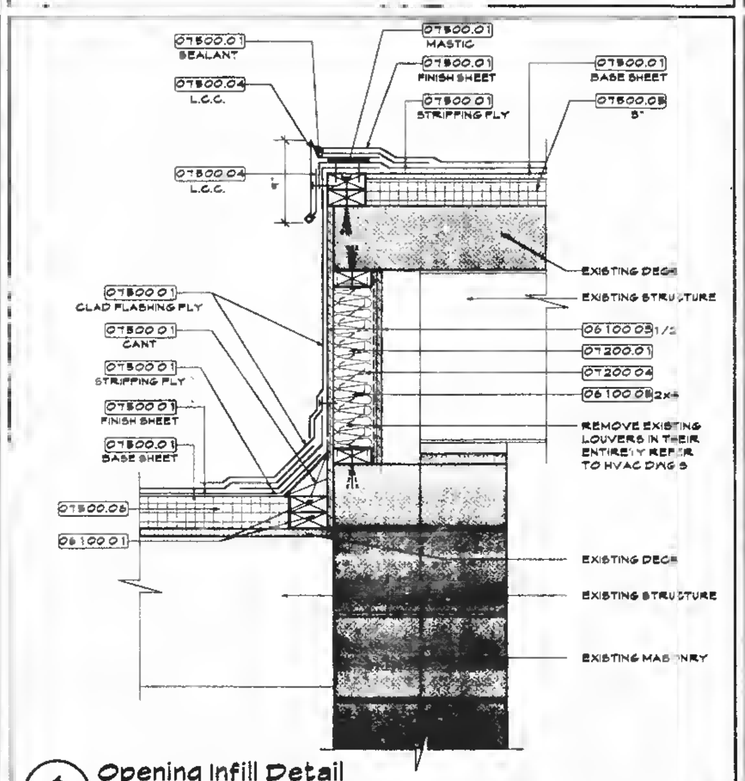
8 A2.6 **Expansion. Joint Detail** 3"=1'-0"



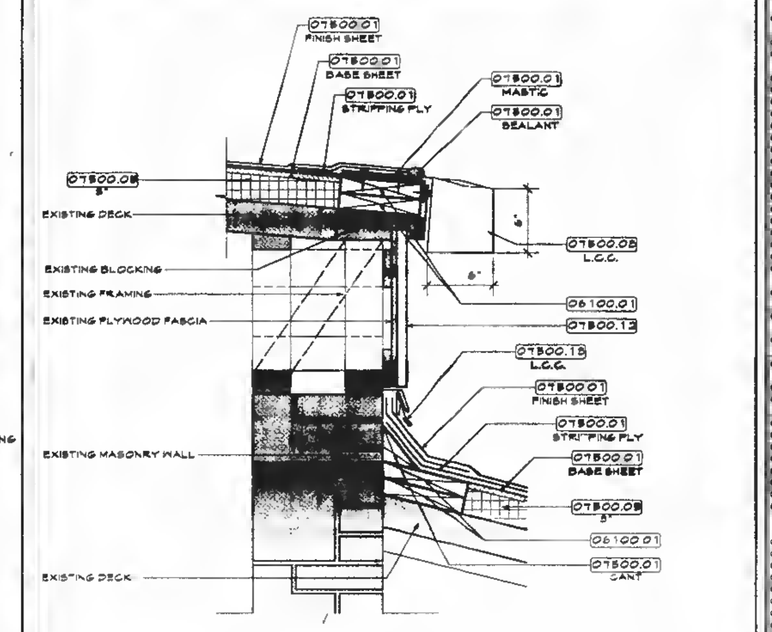
6 A2.6 **Eave Detail** 3"=1'-0"



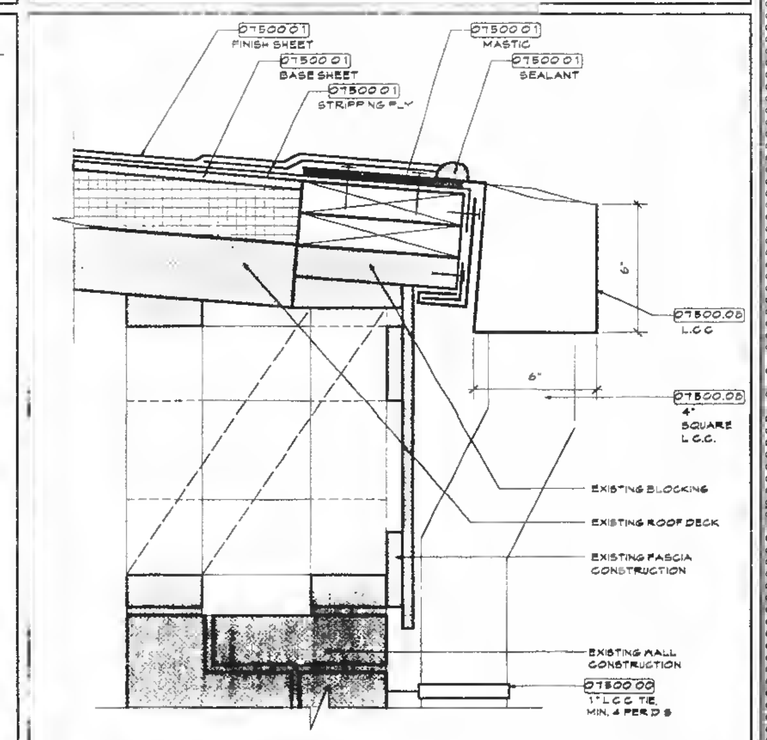
5 A2.6 **Roof/Wall Transition** 3"=1'-0"



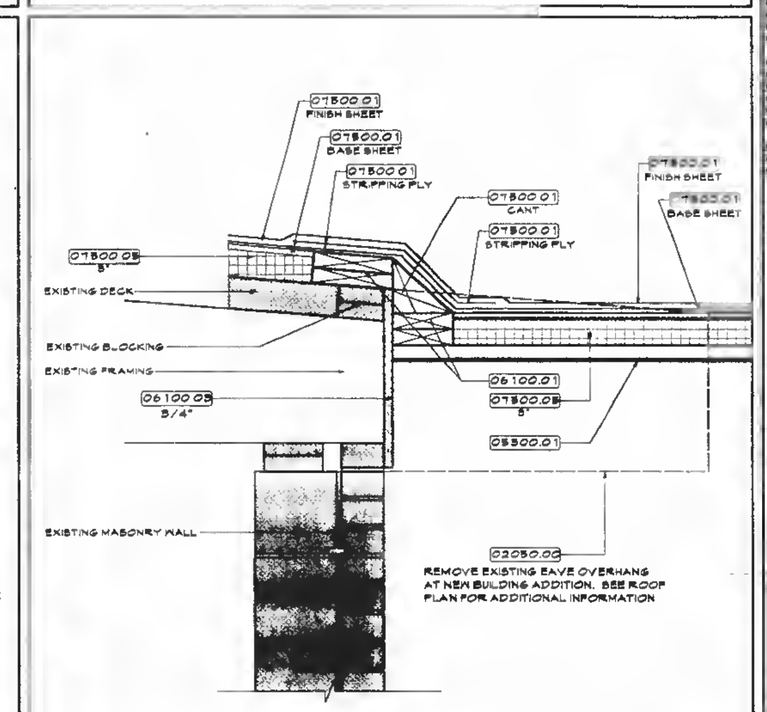
4 A2.6 **Opening Infill Detail** 1 1/2"=1'-0"



3 A2.6 **Roof Detail** 1 1/2"=1'-0"



2 A2.6 **Roof Edge/Gutter Detail** 3"=1'-0"



1 A2.6 **Roof to Roof Transition** 3"=1'-0"

KEYNOTES

022500.0	Earthworks
022500.0	Soil
033000.0	Concrete - Refer to Structural Drawings
033000.0	Concrete foundation/footing - Refer to Structural Drawings
033000.0	Concrete slab on grade - Refer to Structural Drawings
042000.0	Masonry veneer wall construction
042300.0	Load bearing masonry wall construction
042300.0	Face Brick
042000.0	Reinforcing
042000.0	Flashing
042300.0	Grout
042300.0	Control Joint
042300.0	Pebbstone
042300.0	3" Rigid insulation
042000.1	Thru wall flashing
042000.1	CMU
042000.1	Precast Concrete
042300.1	Split Rib CMU
042300.1	Ground face CMU
042300.1	Keep Picks
042300.1	Bound Block CMU
042000.1	Center Scored CMU
042000.1	Slate Block
091000.0	Structural steel - Refer to Structural Drawings
091000.0	Steel beam/column - Refer to Structural Drawings
092000.0	Steel joists - Refer to Structural Drawings
092300.0	Joist seat - Height varies - Refer to Structural Drawings
093000.0	Metal decking - Refer to Structural Drawings
093000.0	Pour stop/slab closure
093000.0	Patch roof deck - refer to structural drawings
094000.0	Cold formed metal framing system
094000.0	Metal studs
094000.0	Track
094000.0	Deflection track
094000.0	Channel bridging
094000.0	Exterior gypsum sheathing
094000.0	Metal stud wall bracing
099000.0	Galvanized loose lintels - Refer to Loose Lintel Schedule on Structural Drawings
099000.0	Steel handrail assembly
099000.0	Steel guardrail assembly
099000.0	Steel pan stair assembly
099000.0	Metal screens
061000.0	Pressure treated wood blocking
061000.0	Wood blocking
061000.0	Pressure treated plywood
061000.0	Plywood
061000.0	Pressure treated wood framing
061000.0	Wood framing
061000.0	Hanger
062000.0	Hardwood trim, stain finish
062000.0	Softwood trim, paint finish
062000.0	Veneer plywood
062000.0	Vertical T & G Cedar Siding to match existing
071000.0	Exterior sealant
071000.0	Interior sealant
071000.0	Exterior sealant and backer rod
071000.0	Interior sealant and backer rod
071000.0	Dampproofing
071000.0	Backer rod
072000.0	Blow open cell insulation
072000.0	Rigid insulation
072000.0	Fire sealing insulation
072000.0	Vapor barrier
075000.0	Modified Bitumen roofing system
075000.0	Flashing
075000.0	Roof edge fascia/gravel stop
075000.0	Metal hook strip/cleat
075000.0	Rigid insulation
075000.0	Tapered rigid insulation
075000.0	Pre-formed metal
075000.0	Gutters
075000.0	Drain
075000.1	Not used
075000.1	Brake metal
075000.1	Metal fascia
075000.1	Lead coated flashing
075000.1	Downspouts
075000.1	Splash Blocks
075000.1	Cricket (1/4" slope)
075000.1	Expansion joint
075000.1	Scupper
075000.1	Termination Bar
076000.0	Sheet
081100.0	Hollow metal frame - Refer to Door Schedule
081100.0	Hollow metal door - Refer to door schedule
082100.0	Wood door - Refer to Door Schedule
088000.0	Aluminum window(s)
088000.0	Anchor clip
088000.0	Insect screen
088000.0	Sealant
088000.0	Alum. insulated panel
088000.0	Curtain wall
088000.0	Alum panning
088000.0	Sealant
088000.0	Ridge ventilator
088000.0	Wire glass
088000.0	Tempered glass
088000.0	Wire glass
088000.0	Laminated glass
088000.0	Insulated glass
088000.0	Glass
088000.0	Glass hardware
092000.0	Gypsum board construction
092000.0	Gypsum board ceiling construction
092000.0	Metal studs
092000.0	Metal stud track
092000.0	Furring channel
092000.0	Cold rolled channel
092000.0	Gypsum wall board
092000.0	Moisture-resistant gypsum board
092000.0	Fire-resistant gypsum board
092000.1	Control joint
092000.1	Corner bead
092000.1	Casing bead
092000.1	Deflection track
092000.1	Acoustical insulation
092000.1	Gonc board
092000.1	Shaft liner
093000.0	Porcelain wall tile
093000.0	Ceramic floor tile
093000.0	Ceramic tile base
093000.0	Grout
093000.0	Acoustical tile/panel ceiling system
093000.0	Pre-finished metal suspension system
093000.0	Pre-finished metal trim
093000.0	Lay in ACT Panels specified
093000.0	Vinyl composition tile
093000.0	Sheet flooring
093000.0	Vinyl base
093000.0	One piece rubber stair treads and riser
093000.0	Rubber flooring - seamless
093000.0	Carpet
093000.0	Non-corrosive metal corner guard
093000.0	Corner guards metal corner guard back-ground
101000.0	Corner guards acrylic
101000.0	Corner guards
101000.0	Toilet partitions
101000.0	Toilet partitions - ped
101000.0	Sanitary napkin receptacle - SNR
101000.0	Sanitary napkin/tampon dispenser - SND
101000.0	Paper Toue dispenser/receptacle - PTD
101000.0	18" Knurled grab bar - GB
101000.0	Wall mounted soap dispenser - WSD
101000.0	Hot used
101000.0	Mirror with stainless steel frame
101000.0	Toilet partitions assembly
101000.0	Fire extinguisher
101000.0	Fire extinguisher and cabinet
101000.0	Expansion joints
113000.0	Projection screens
113000.0	Projection screen shelf
123000.0	Wood casework
123000.0	Window treatment
123000.0	Roof access hatch
123000.0	Shelving
150000.0	Plumbing - Refer to Plumbing Drawings
150000.0	Drinking fountain/Electric water cooler, Handicapped accessible - Refer to Plumbing Drawings
150000.0	Water closet - Handicapped accessible - HCMC
150000.0	Water closet - WC
150000.0	Urinal - Handicapped accessible - HCUR
150000.0	Urinal - UR
150000.0	Lavatory
150000.0	Lavatory - Handicapped accessible
150000.0	Floor drain - Refer to Plumbing Drawings
150000.1	Roof drain - Refer to Plumbing Drawings
150000.0	Mechanical unit - Refer to HVAC Drawings
150000.0	Ductwork - Refer to HVAC Drawings
150000.0	HVAC piping - Refer to HVAC Drawings
150000.0	Finned tube radiation
160000.0	Electrical Fixture - Refer to Electrical Drawings
160000.0	Exit sign - Refer to Electrical Drawings
160000.0	Clock refer to Electrical
160000.0	Speaker refer to Electrical
160000.0	Technology systems

Stamp:

Revisions:

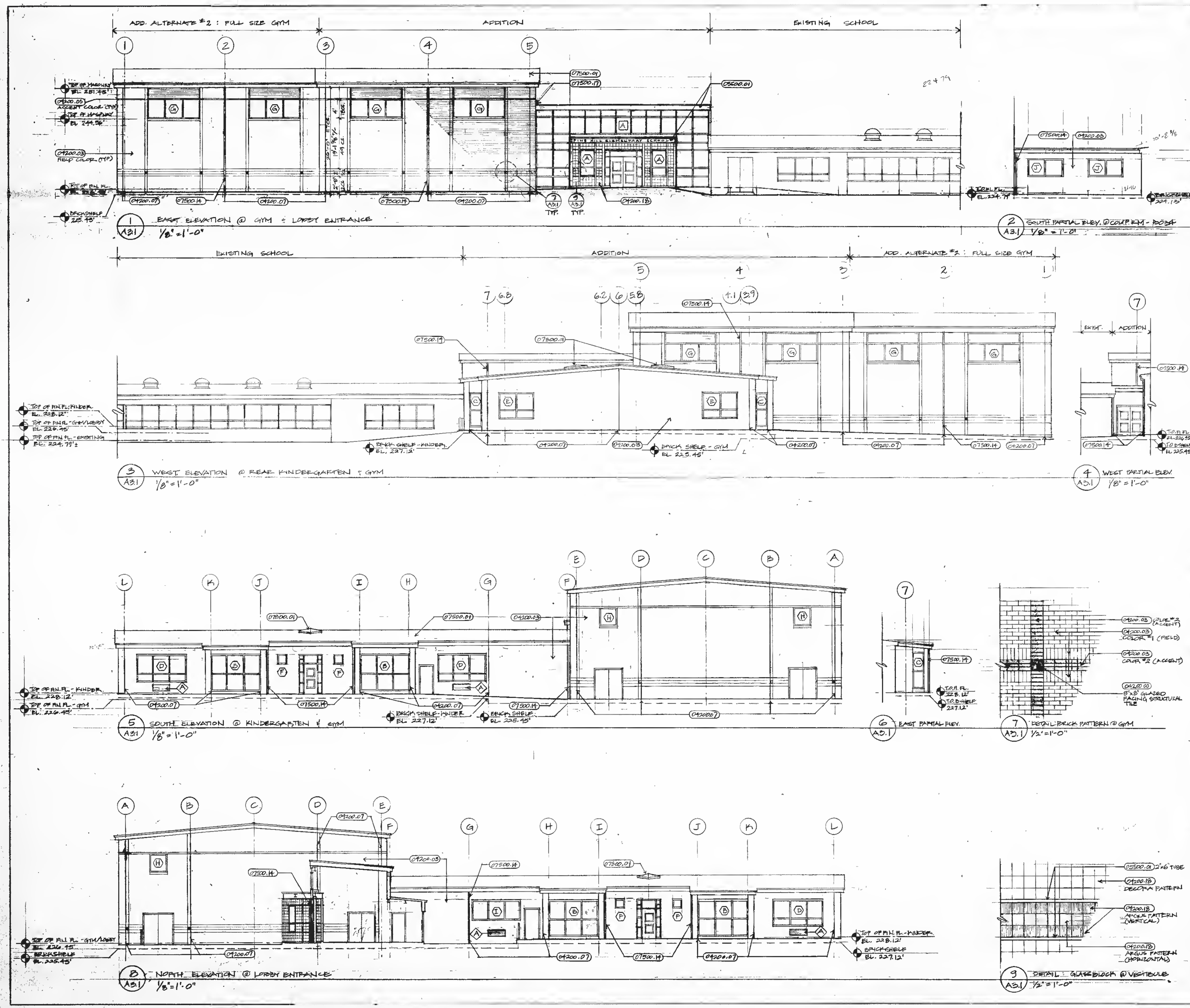
A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Addition and Alterations to the
Pine Hill School
Sherborn, Massachusetts

Roof Details

Date: 3/20/97 Drawn By: MJL
Scale: As Noted Job No.: 9606.0
Sheet:

A2.6



KEYNOTES

03300.00 Earthworks
02080.00 Demolition
03300.01 Concrete - Refer to Structural Drawings
03300.02 Concrete foundation/footing - Refer to Structural Drawings
03300.03 Concrete slab on grade - Refer to Structural Drawings
04200.01 Masonry veneer wall construction
04200.02 Load bearing masonry wall construction
04200.03 Face Brick
04200.04 Reinforcing
04200.05 Flashing
04200.06 Grout
04200.07 Control joint
04200.08 Pressions
04200.09 2" Rigid insulation
04200.10 Thru wall flashing
04200.11 CMU
04200.12 Precast Concrete
04200.13 Split Rib CMU
04200.14 Ground face CMU
04200.15 Mesa Mucka
04200.16 Scoria Block CMU
04200.17 Center Scored CMU
04200.18 Glass Block
05100.01 Structural steel - Refer to Structural Drawings
05100.02 Steel beam/column - Refer to Structural Drawings
05200.01 Steel joists - Refer to Structural Drawings
05200.02 Joist seat - Height varies - Refer to Structural Drawings
05300.01 Metal decking - Refer to Structural Drawings
05300.02 Pour stop/slab closure
05300.03 Patch roof deck - refer to structural drawings
05400.01 Cold formed metal framing system
05400.02 Metal stud(s)
05400.03 Track
05400.04 Deflection track
05400.05 Channel bridging
05400.06 Exterior gypsum sheathing
05900.01 Miscellaneous metal materials
05900.02 Galvanized loose lintels - Refer to Loose Lintel Schedule on Structural Drawings
05900.03 Stair railing assembly
05900.04 Stair guards assembly
05900.05 Stair grab bar assembly
05900.06 Specialty Screens
06100.01 Pressure treated wood blocking
06100.02 Wood blocking
06100.03 Pressure treated plywood
06100.04 Plywood
06100.05 Pressure treated wood framing
06100.06 Wood framing
06100.07 Hanger
06200.01 Wood cabinet assembly
06200.02 Solid wood cabinet assembly
06200.03 Veneer plywood
06200.04 Vertical T & G Cedar siding to match existing
07100.01 Exterior sealant
07100.02 Interior sealant
07100.03 Exterior joint and expansion joint
07100.04 Interior joint, expansion joint
07100.05 Dampproofing
07100.06 Caulking
07100.07 Flashing/bituminous membrane
07100.08 Rigid insulation
07200.03 Roofing insulation
07200.04 Vapor Barrier
07200.05 Modified bituminous membrane
07200.06 Flashing
07500.01 Roofing/glass fiberglass slope
07500.04 Metal hood, sill/Cleat
07500.06 Rigid insulation
07500.09 Tapered rigid insulation
07500.01 Pre-formed metal
07500.05 Gutters
07500.06 EPDM
07500.10 Not used
07500.11 Brake metal
07500.12 Metal fascia
07500.13 Lead coated flashing
07500.14 Downspouts
07500.15 Splash Blocks
07500.16 Crickets (1/4" slope)
07500.17 Expansion joint
07500.18 Scupper
07500.19 Termination Bar
08100.01 Hollow metal frame - Refer to Door Schedule
08110.02 Hollow metal door - Refer to door schedule
08210.01 Wood door - Refer to Door Schedule
08500.01 Aluminum window(s)
08500.02 Anchor clip
08500.03 Insect screen
08500.04 Bezel
08500.05 Alum insulated panel
08500.06 Curtain wall
08500.07 Alum panning
08500.08 Bezel
08710.00 Finish hardware
08800.01 Float glass
08800.02 Tempered glass
08800.03 Wire glass
08800.04 Laminated glass
08800.05 Insulating glass
08900.01 Curtain wall
09200.01 Lathe & Plaster
09250.01 Gypsum board wall construction
09250.02 Gypsum board ceiling construction
09250.03 Metal stud(s)
09250.04 Metal stud track
09250.05 Furring channel
09250.06 Cold rolled channel
09250.07 Gypsum wall board
09250.08 Moisture-resistant gypsum board
09250.09 Fire-resistant gypsum board
09250.10 Control joint
09250.11 Corner bead
09250.12 Casing bead
09250.13 Deflection track
09250.14 Acoustical insulation
09250.15 Cono board
09250.16 "T" shaft liner
09300.01 Ceramic wall tile
09300.02 Ceramic floor tile
09300.03 Ceramic tile base
09400.00 Patch Terrazzo
09500.01 Acoustical tile/panel ceiling system
09500.02 Pre-finished metal suspension system
09500.03 Pre-finished metal trim
09500.04 1 x 1 ACT Panels adhered
09650.01 Vinyl composition tile
09650.02 Sheet flooring
09650.03 Vinyl base
09650.04 One piece rubber stair tread and riser
09650.05 Rubber flooring - seamless
09680.01 Carpeting
09700.01 Composite synthetic gym flooring
10100.01 Chalkboards markerboards tack-boards
10150.01 Compartments & cubicles
10200.01 Louvers & vents
10400.01 Identifying devices
10800.01 Toilet paper dispenser - TPD
10800.02 Sanitary napkin receptacle - SNR
10800.03 Sanitary napkin/tampon dispenser - SND
10800.04 Paper Towel dispenser/receptacle - PTD/R
10800.05 8-6" Knurled grab bar - GB
10800.06 Wall mounted soap dispenser - WSD
10800.07 Not used
10800.08 Mirror with stainless steel frame
10800.09 Map rack/shelf assembly
11190.01 Fire extinguisher
11190.02 Fire extinguisher and cabinet
11190.03 Expansion joints
11530.01 Projection Screens
11600.01 Gymnasium equipment
12500.01 Fixed Casework
12500.01 Window treatment
12610.01 Floor Mats & frames
14200.01 Elevators
15400.01 Plumbing - Refer to Plumbing Drawings
15400.03 Drinking fountain/Electric water cooler Handicapped accessible - Refer to Plumbing Drawings
15400.04 Water closet Handicapped accessible - HCWC
15400.05 Water closet WC
15400.06 Urinal - Handicapped accessible - HCUR
15400.07 Urinal - UR
15400.08 Lavatory
15400.09 Lavatory - - Handicapped accessible
15400.10 Floor drain - Refer to Plumbing Drawings
15400.11 Roof drain - Refer to Plumbing Drawings
15400.01 Mechanical unit - Refer to HVAC Drawings
15400.02 Diffuser - Refer to HVAC Drawings
15400.03 HVAC piping - Refer to HVAC Drawings
15400.04 Finbaseboard
16000.01 Electrical fixture - Refer to Electrical Drawings
16000.02 Exit sign - Refer to Electrical Drawings
16000.03 Clock refer to Electrics
16000.04 Speaker refer to Electrical
16100.01 Telephone System

Stamp:

Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0210 Facsimile 617-451-3899

Additions and Alterations to the

Pine Hill School

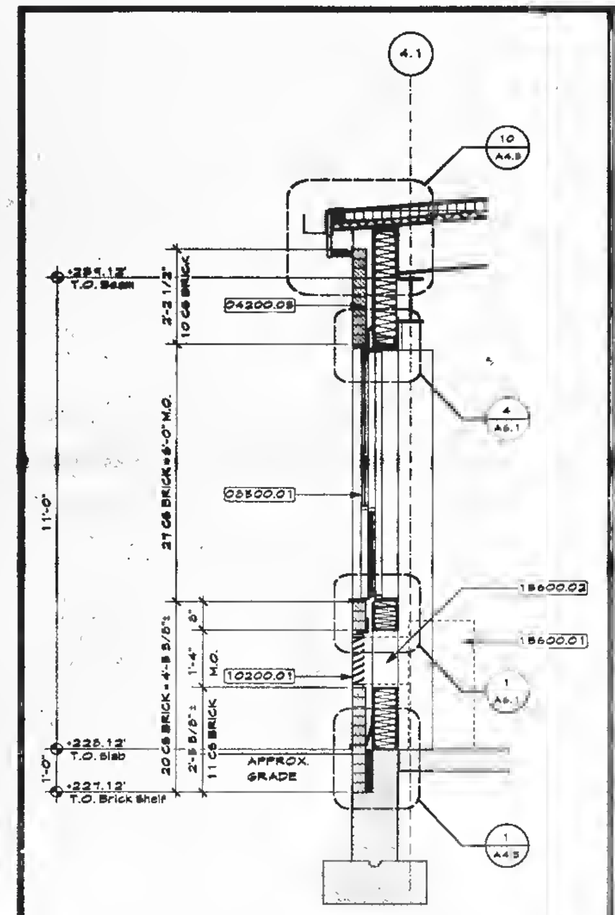
Sherborn, Massachusetts

Title:

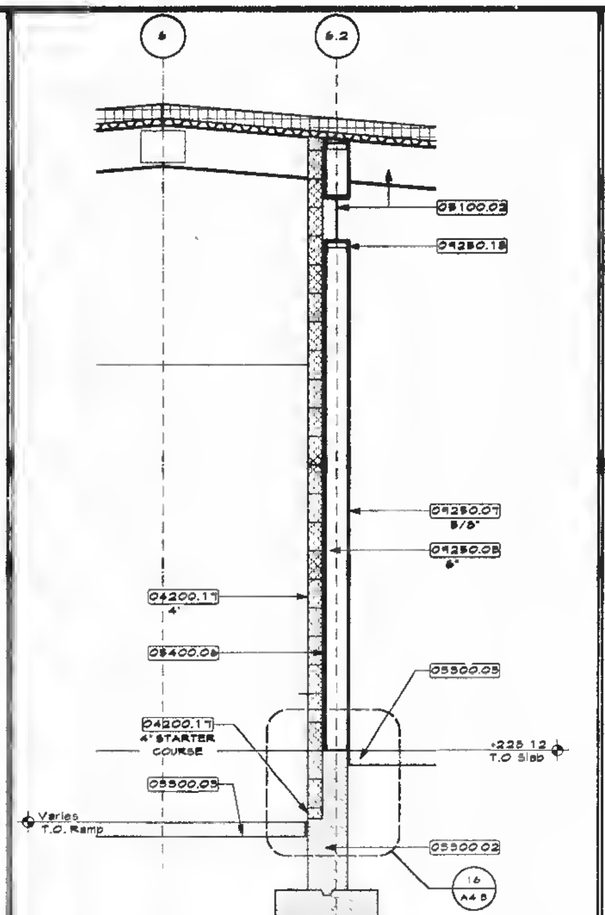
Exterior Elevations

Date: 3/20/97 Drawn By: MD
Scale: As Noted Job No.: 9606.00
Sheet:

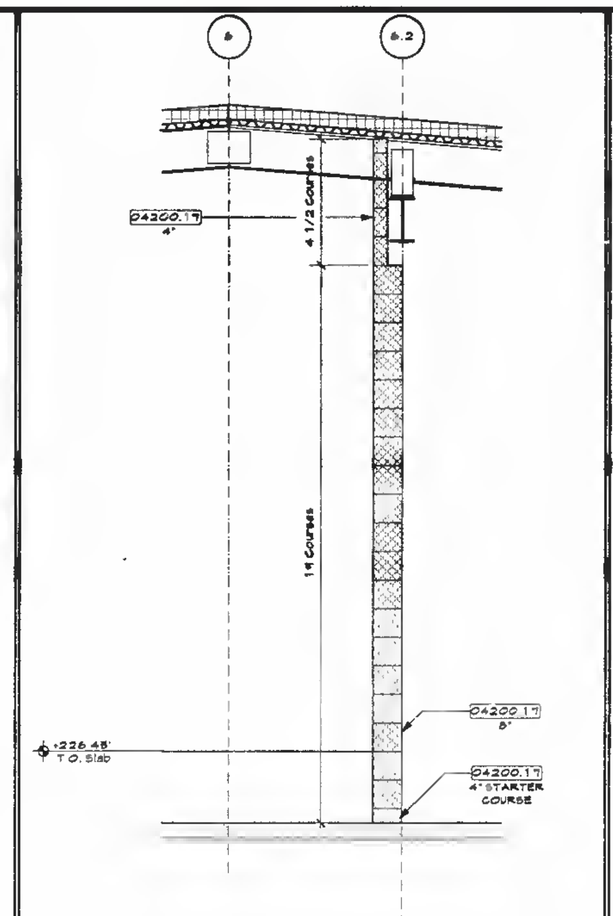
A3.1



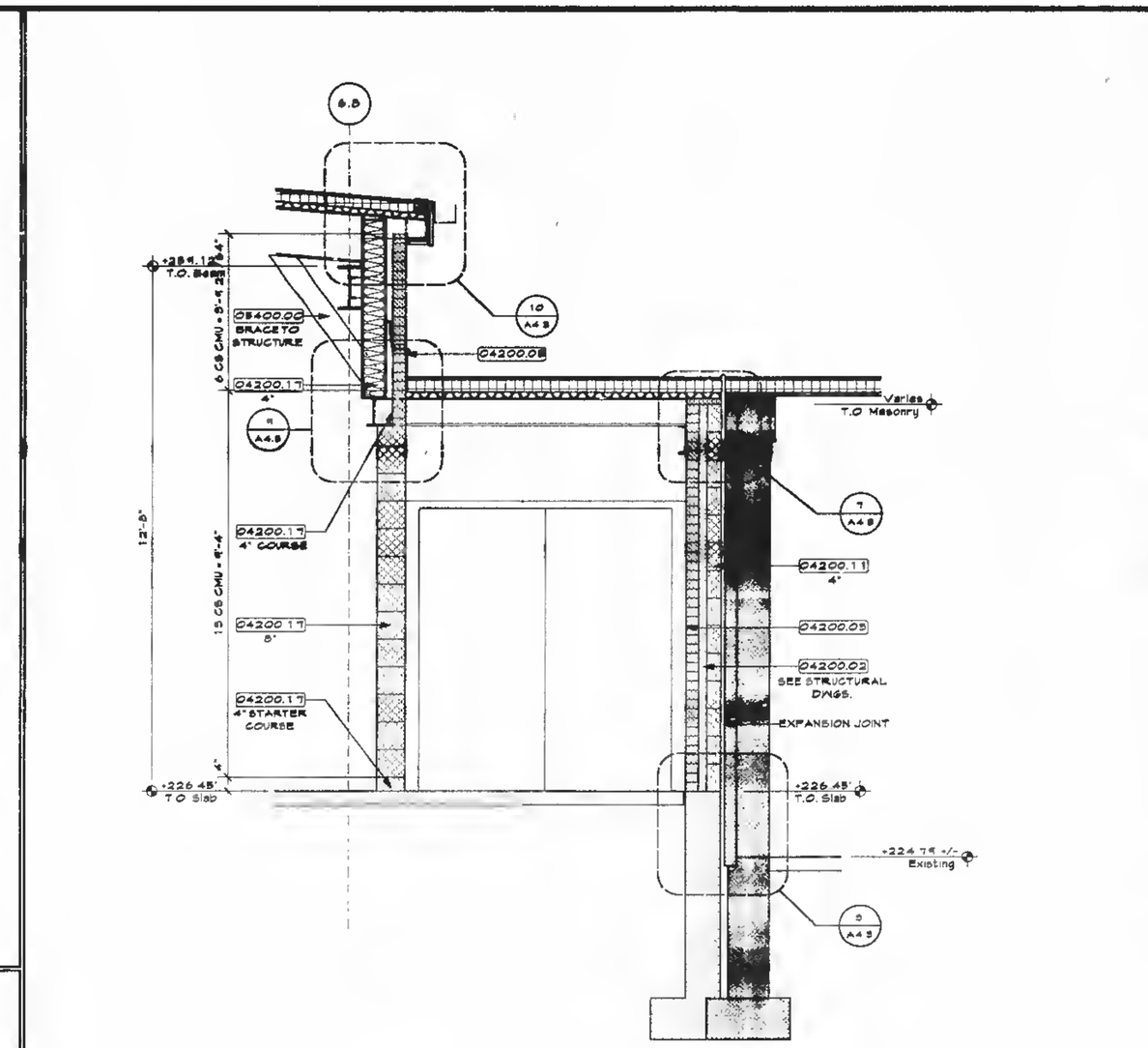
9 A4.1 Wall Section 1/2"=1'-0"



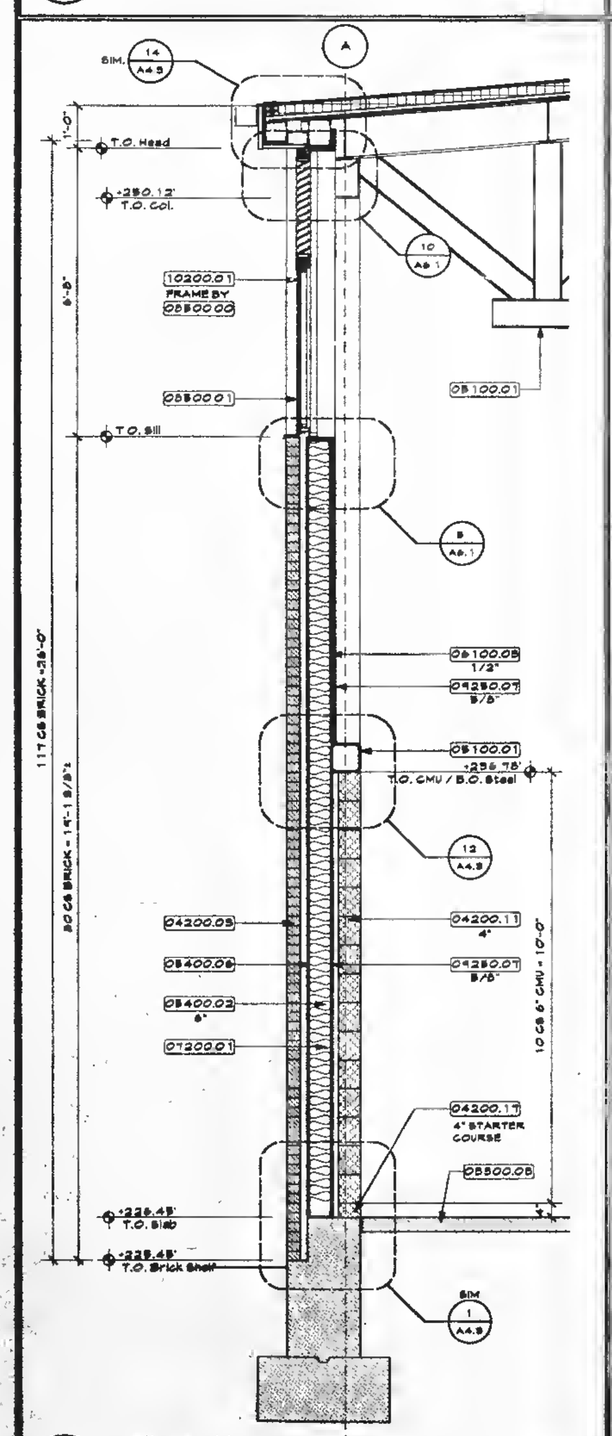
8 A4.1 Wall Section 1/2"=1'-0"



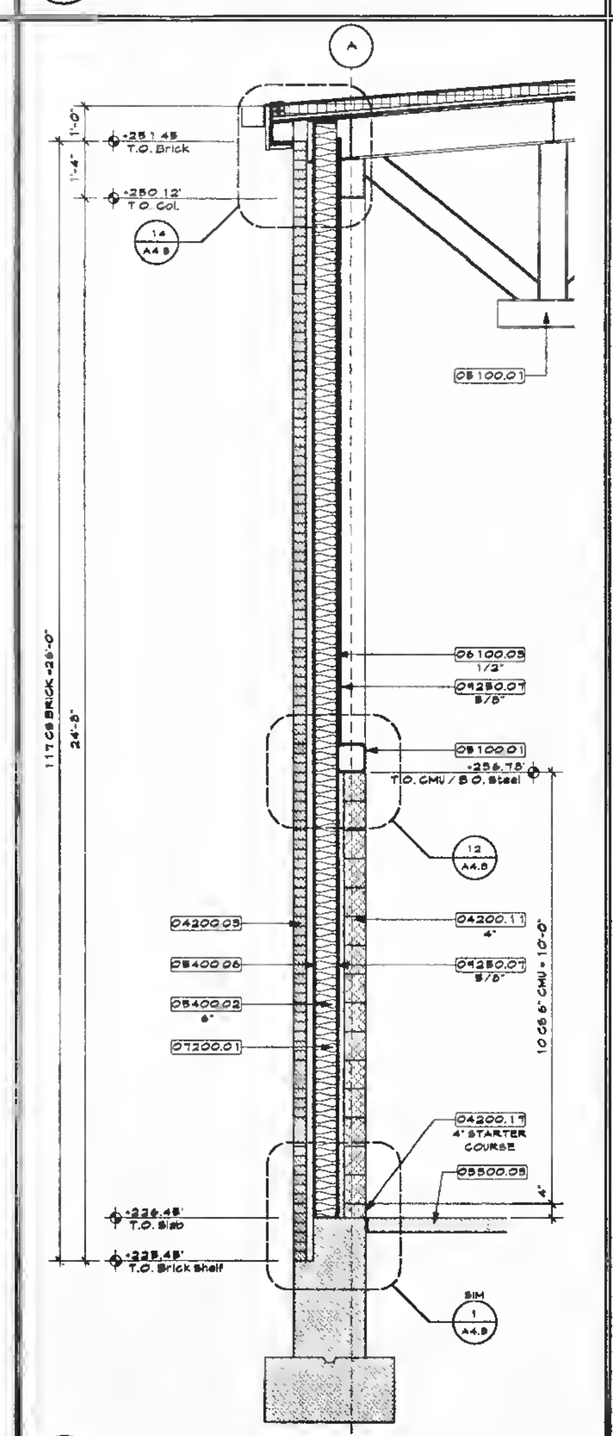
7 A4.1 Wall Section 1/2"=1'-0"



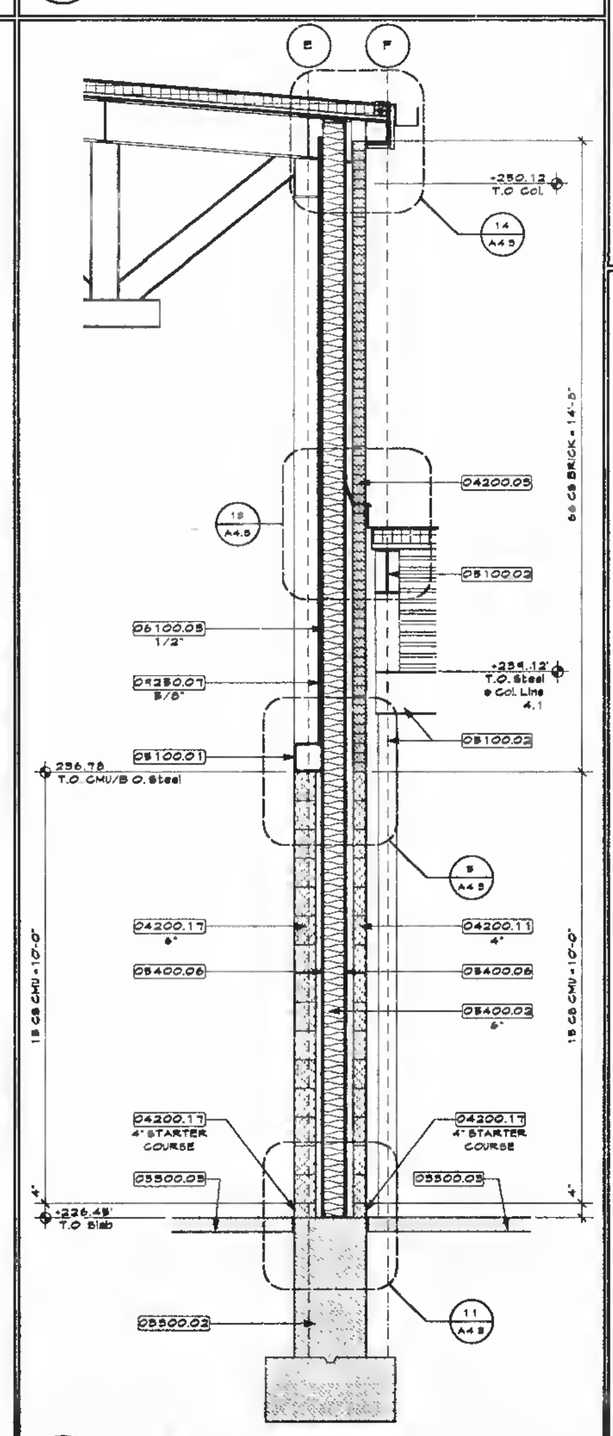
6 A4.1 Wall Section 1/2"=1'-0"



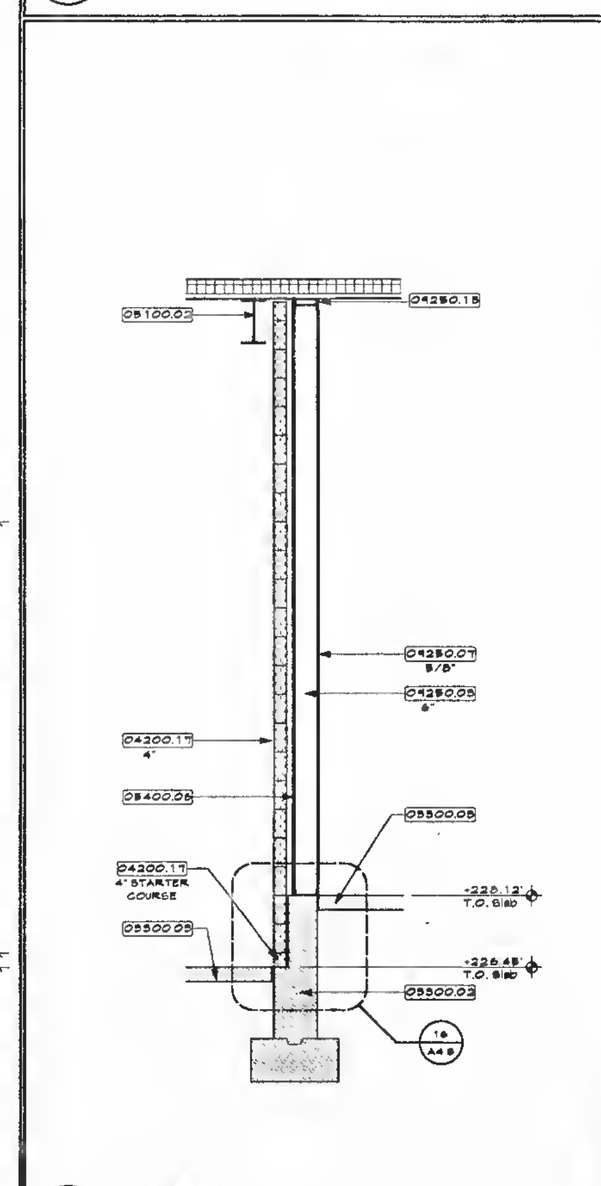
5 A4.1 Wall Section 1/2"=1'-0"



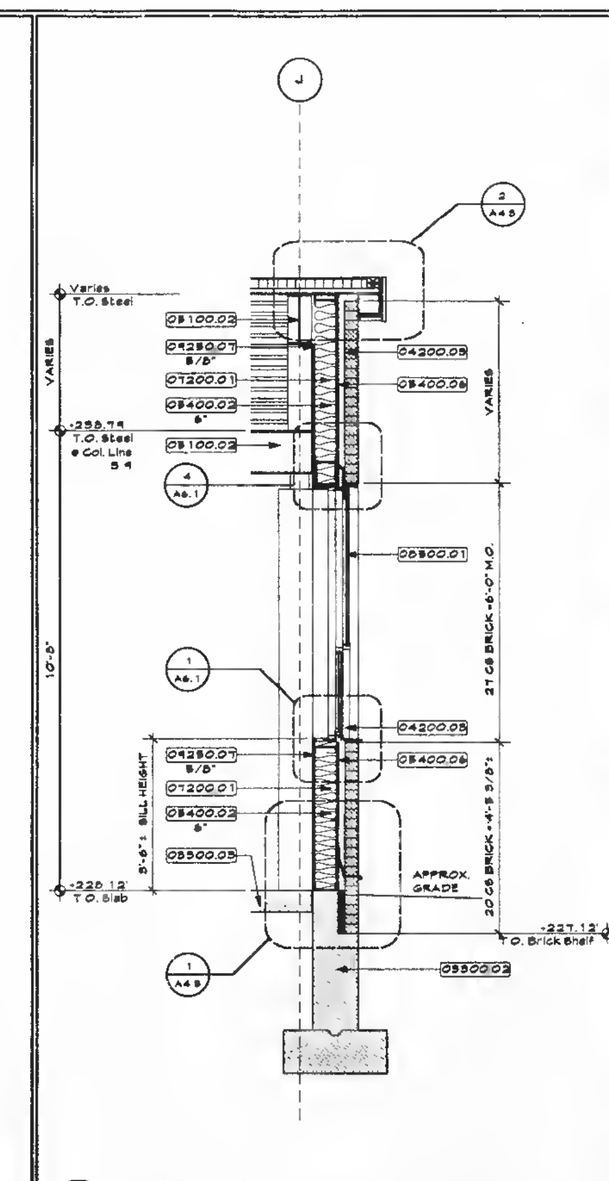
4 A4.1 Wall Section 1/2"=1'-0"



3 A4.1 Wall Section 1/2"=1'-0"



2 A4.1 Wall Section 1/2"=1'-0"



1 A4.1 Wall Section 1/2"=1'-0"

KEYNOTES

02200.00 Earthworks
02282.00 Demolition
03800.01 Concrete - Refer to Structural Drawings
03800.02 Concrete foundation/footing - Refer to Structural Drawings
03800.03 Concrete slab on grade - Refer to Structural Drawings
04200.01 Masonry veneer wall construction
04200.02 Load bearing masonry wall construction
04200.03 Face Brick
04200.04 Reinforcing
04200.05 Flashing
04200.06 Grout
04200.07 Control joint
04200.08 Headers
04200.09 2" Rigid insulation
04200.10 Thru wall flashing
04200.11 CMU
04200.12 Precast Concrete
04200.13 Split Rib CMU
04200.14 Ground face CMU
04200.15 Weep holes
04200.16 Sound Block CMU
04200.17 Center Scored CMU
04200.18 Glass Block
05100.01 Structural steel - Refer to Structural Drawings
05100.02 Steel beam/column - Refer to Structural Drawings
05200.01 Steel joists - Refer to Structural Drawings
05200.02 Joist seat - Height varies - Refer to Structural Drawings
05300.01 Metal decking - Refer to Structural Drawings
05500.03 Pour stop/slab closure
05500.05 Patch roof deck - refer to structural drawings
06400.01 Cold formed metal framing system
06400.02 Metal stud(s)
06400.03 Track
06400.04 Deflection track
06400.05 Channel bridging
06400.06 Exterior gypsum sheathing
06500.01 Miscellaneous metal materials
06500.02 Galvanized loose lintels - Refer to Loose Lintel Schedule on Structural Drawings
06500.03 Steel handrail assembly
06500.04 Steel guardrail assembly
06500.05 Steel pan stair assembly
06500.06 Security screens
06100.01 Pressure treated wood blocking
06100.02 Woodblocking
06100.03 Pressure treated plywood
06100.04 Plywood
06100.05 Pressure treated wood framing
06100.06 Wood framing
06100.07 Hanger
06200.01 Hardwood trim, stain/finish
06200.02 Softwood trim, paint finish
06200.03 Veneer plywood
06200.04 Vertical T & G cedar siding to match existing
07100.01 Exterior sealant
07100.02 Interior sealant
07100.03 Exterior sealant and backer rod
07100.04 Interior sealant and backer rod
07100.05 Dampproofing
07100.06 Backer rod
07200.01 Fiberglass batt insulation
07200.02 Rigid insulation
07200.03 Fire safing insulation
07200.04 Vapor Barrier
07500.01 Modified Bitumen roofing system
07500.02 Flashing
07500.03 Roof edge fascia/gravel stop
07500.04 Metal hook strip/Cleat
07500.05 Rigid insulation
07500.06 Tapered rigid insulation
07500.07 Pre-formed metal
07500.08 Gutters
07500.09 EPDM
07500.10 Not used
07500.11 Brake metal
07500.12 Metal fascia
07500.13 Lead coated flashing
07500.14 Downspouts
07500.15 Splash Blocks
07500.16 Cricket (1/4" slope)
07500.17 Expansion joint
07500.18 Scupper
07500.19 Termination Bar
07600.01 Skylight
08110.01 Hollow metal frame - Refer to Door Schedule
08110.02 Hollow metal door - Refer to door schedule
08210.01 Wood door - Refer to Door Schedule
08500.01 Aluminum window(s)
08500.02 Anchor clip
08500.03 Insect screen
08500.04 Sealant
08500.05 Alum. insulated panel
08500.06 Curtain wall
08500.07 Alum. panning
08500.08 Sealant
08710.00 Finish hardware
08800.01 Float glass
08800.02 Tempered glass
08800.03 Wire glass
08800.04 Laminated glass
08800.05 Insulating glass
08900.00 Curtain wall
09200.01 Lathe & Plaster
09250.01 Gypsum board wall construction
09250.02 Gypsum board ceiling construction
09250.03 Metal stud(s)
09250.04 Metal stud track
09250.05 Furring channel
09250.06 Cold rolled channel
09250.07 Gypsum wall board
09250.08 Moisture-resistant gypsum board
09250.09 Fire-resistant gypsum board
09250.10 Control joint
09250.11 Corner Bead
09250.12 Ceiling bead
09250.13 Deflection track
09250.14 Acoustical insulation
09250.15 Cond. board
09250.16 1" Shaft Liner
09300.01 Ceramic wall tile
09300.02 Ceramic floor tile
09300.03 Ceramic tile base
09400.00 Patch Terrazzo
09500.01 Acoustic tile/panel ceiling system
09500.02 Pre-finished metal suspension system
09500.03 Pre-finished metal trim
09500.04 1 x 1 ACT Panels adhered
09630.01 Vinyl composition tile
09630.02 Sheet flooring
09630.03 Vinyl base
09630.04 One piece rubber stair tread and riser
09630.05 Rubber flooring - seamless
09650.01 Carpeting
09700.01 Composite synthetic gym flooring
10100.01 Chalkboards, marker board, tack-boards
10150.01 Compartments & cubicles
10200.01 Louvers & vents
10400.01 Identifying devices
10800.01 Toilet paper dispenser - TPD
10800.02 Sanitary napkin receptacle - SNR
10800.03 Sanitary napkin/tampon dispenser - SND
10800.04 Paper Towel dispenser/receptacle - PTD/R
10800.05 8-6" Knurled grab bar - 6B
10800.06 Wall mounted soap dispenser - WSD
10800.07 Not Used
10800.08 Mirror with stainless steel frame
10800.09 Hat rack/shelf assembly
10440.01 Fire extinguisher
10440.02 Fire extinguisher and cabinet
10440.03 Expansion joints
11132.01 Projection screens
11400.01 Gymnasium equipment
12800.01 Fixed casework
15800.01 Kitchen treatment
12840.01 Floor mats & frames
14200.01 Elevators
19400.01 Plumbing - Refer to Plumbing Drawings
19400.02 Drinking fountain/Electric water cooler, Handicapped accessible - Refer to Plumbing Drawings
19400.03 Water closet - Handicapped accessible - HCWC
19400.04 Water closet - WC
19400.05 Urinal - Handicapped accessible - HCUR
19400.06 Urinal - UR
19400.07 Lavatory
19400.08 Lavatory - Handicapped accessible
19400.09 Floor drain - Refer to Plumbing Drawings
19400.10 Roof drain - Refer to Plumbing Drawings
19600.01 Mechanical unit - Refer to HVAC Drawings
19600.02 Ductwork - Refer to HVAC Drawings
19600.03 HVAC piping - Refer to HVAC Drawings
19600.04 Finned tube radiation
16000.01 Electrical fixture - Refer to Electrical Drawings
16000.02 Exit sign - Refer to Electrical Drawings
16000.03 Clock refer to Electrical
16000.04 Speaker: refer to Electrical
16740.00 Technology Systems

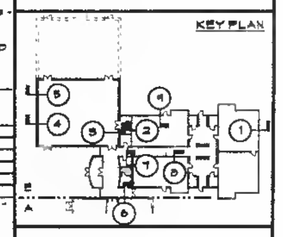
Stamp:

Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Faneuil Hall Marketplace, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Addition and Alterations to the
Pine Hill School
Sherborn, Massachusetts

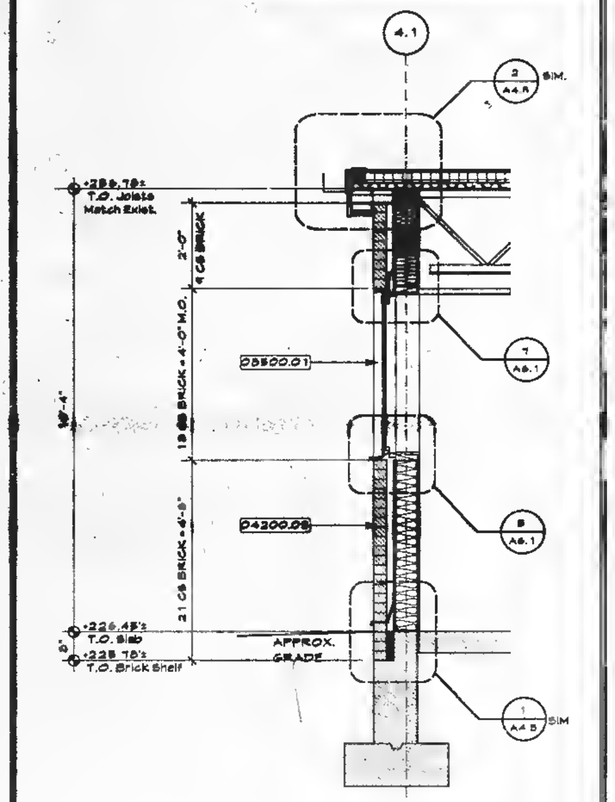
KEY PLAN



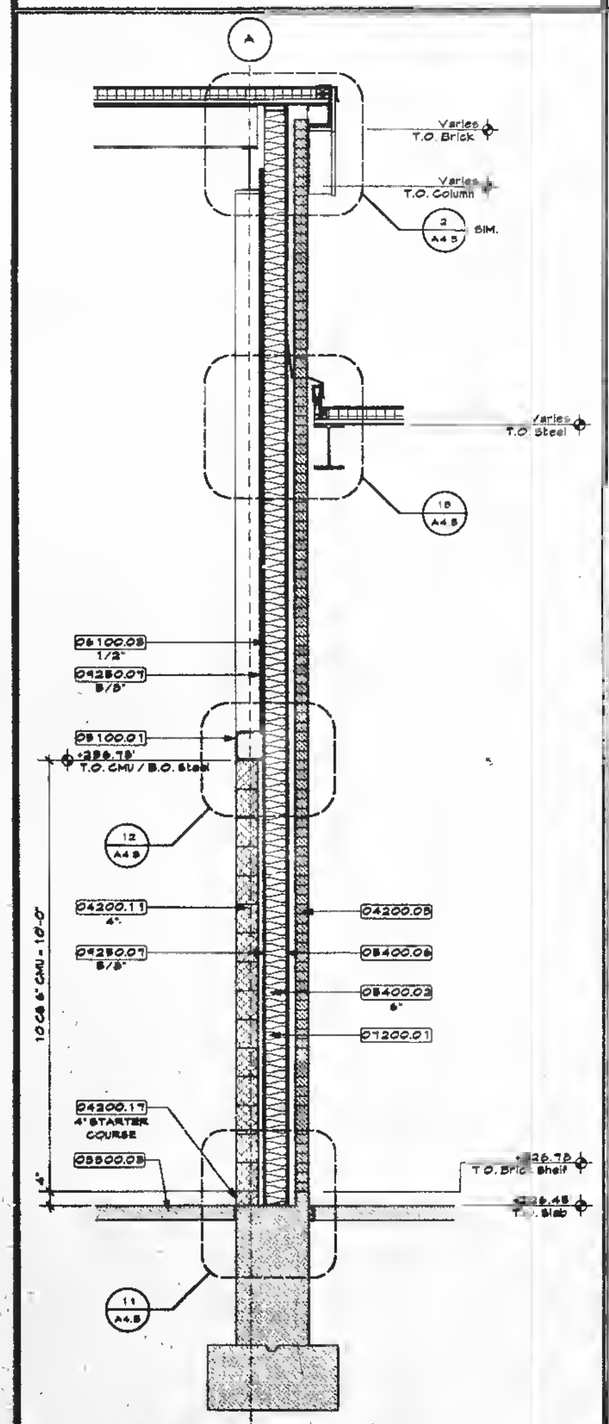
Wall Sections

Date: 3/20/97 Drawn By: MJL
Scale: As Noted Job No.: 9606.0
Sheet:

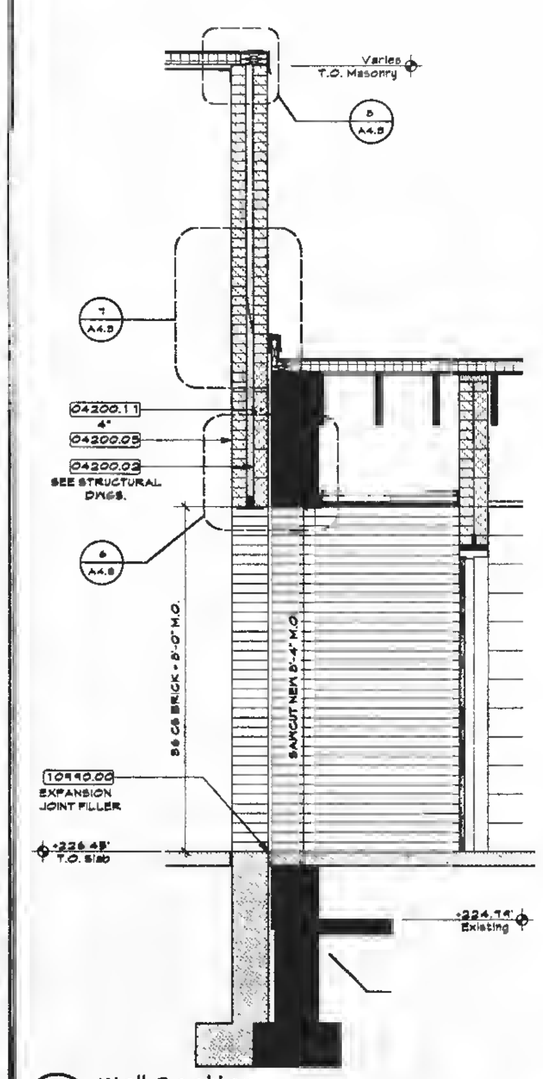
A4.1



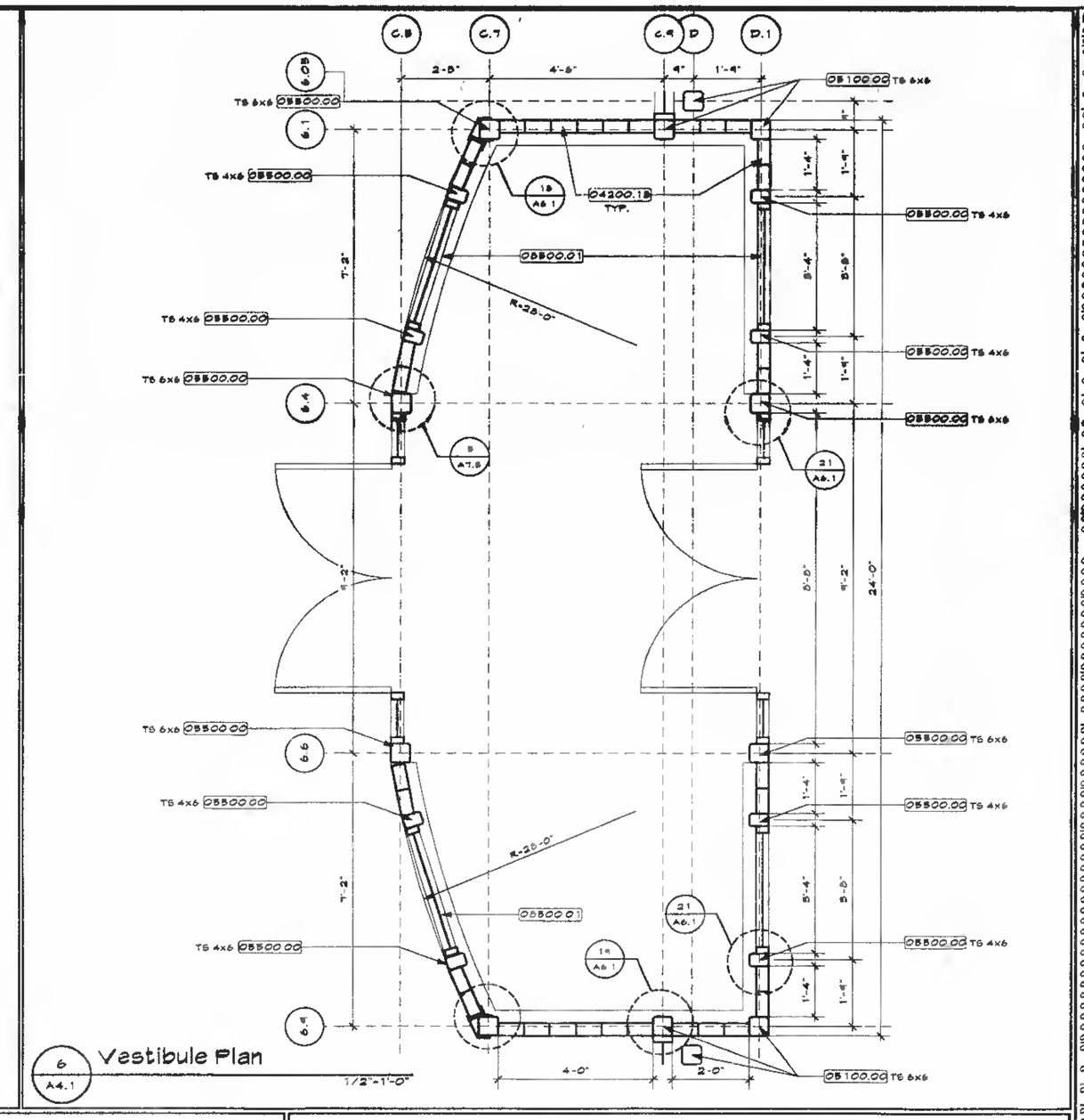
9 A4.1 Wall Section 1/2"=1'-0"



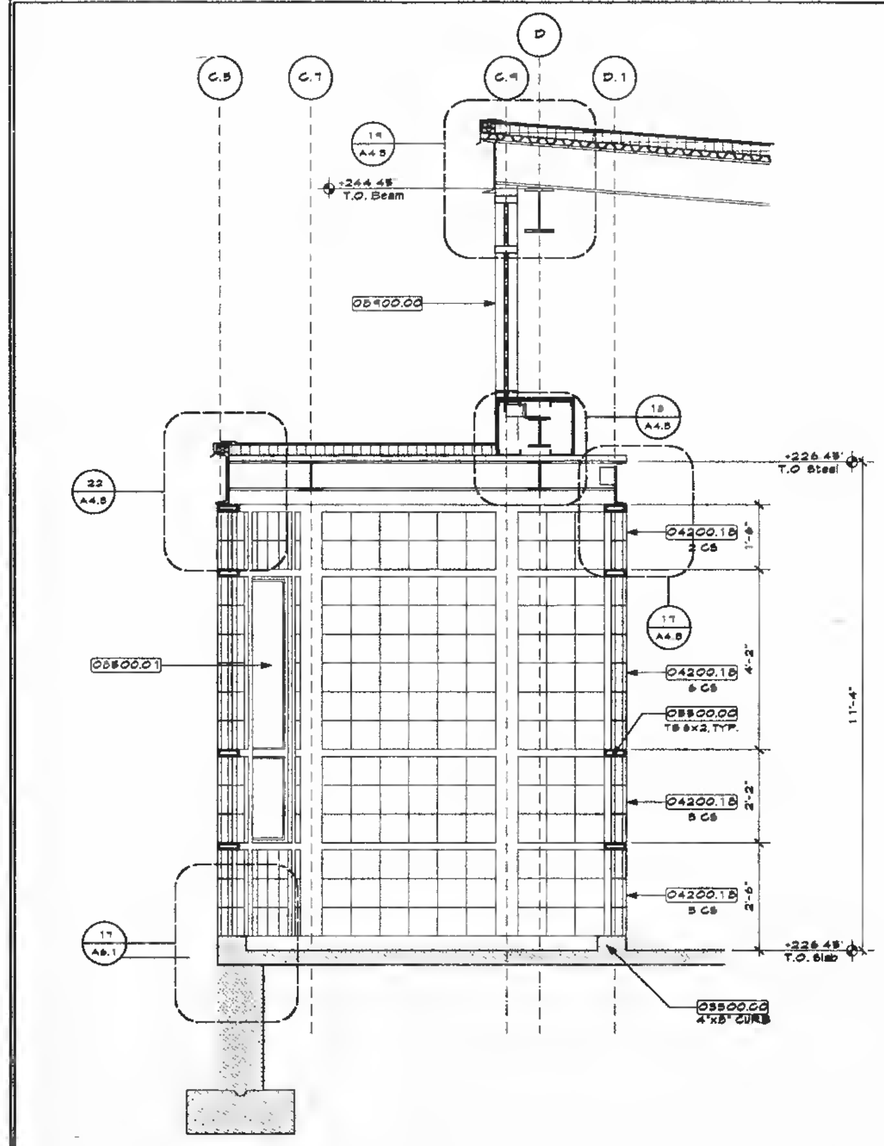
9 A4.1 Wall Section 1/2"=1'-0"



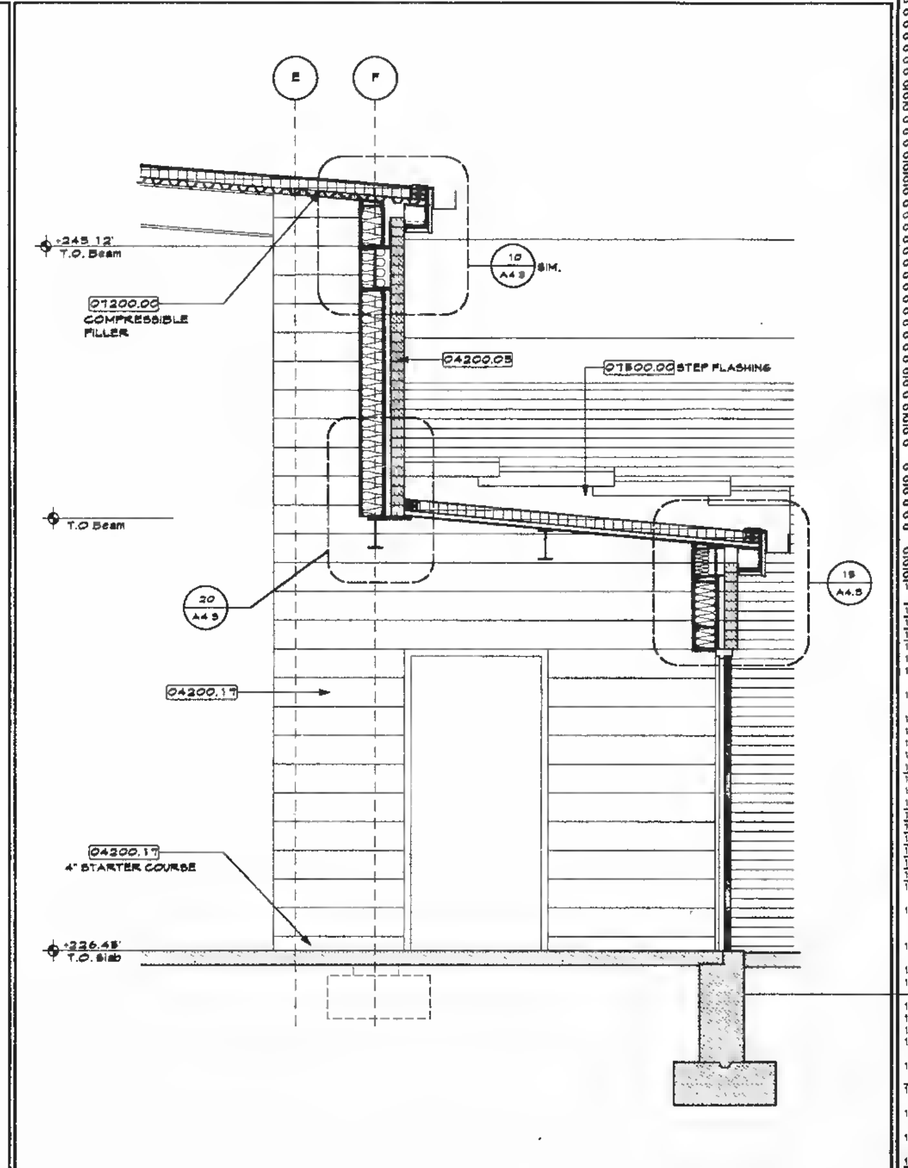
4 A4.1 Wall Section 1/2"=1'-0"



6 A4.1 Vestibule Plan 1/2"=1'-0"



2 A4.2 Wall Section 1/2"=1'-0"



1 A4.2 Wall Section 1/2"=1'-0"

KEYNOTES

02300.00	Earthworks
02050.00	Demolition
03300.01	Concrete -Refer to Structural Drawings
03300.03	Concrete foundation/footing - Refer to Structural Drawings
03300.05	Concrete slab on grade - Refer to Structural Drawings
04200.01	Masonry veneer wall construction
04200.02	Load bearing masonry wall construction
04200.03	Face Brick
04200.04	Reinforcing
04200.05	Flashing
04200.06	Grout
04200.07	Control joint
04200.08	Pressione
04200.09	2" Rigid insulation
04200.10	Thru wall flashing
04200.11	CMU
04200.12	Precast Concrete
04200.13	Split Rib CMU
04200.14	Ground face CMU
04200.15	Keep Wicks
04200.16	Sound Block CMU
04200.17	Center Scored CMU
04200.18	Glass Block
05100.01	Structural Steel - Refer to Structural Drawings
05100.02	Steel beam/column - Refer to Structural Drawings
06200.01	Joist seat - Refer to Structural Drawings
06200.02	Joist seat - Height varies - Refer to Structural Drawings
05500.01	Metal decking - Refer to Structural Drawings
05500.02	Pump step/slab closure
05500.03	Patch roof deck - refer to structural drawings
05400.01	Cold formed metal framing system
05400.02	Metal stud(s)
05400.03	Track
05400.04	Deflection track
05400.05	Channel bridging
05400.06	Exterior gypsum sheathing
05500.01	Miscellaneous metal material
05500.02	Galvanized loose lintels - Refer to Loose Lintel Schedule on Structural Drawings
05500.03	Steel handrail assembly
05500.04	Steel guardrail assembly
05500.05	Steel pan stair assembly
05500.06	Security screens
06100.01	Pressure treated wood blocking
06100.02	Wood blocking
06100.03	Pressure treated plywood
06100.04	Plywood
06100.05	Pressure treated wood framing
06100.06	Wood framing
06100.07	Hanger
06200.01	Hardwood trim, stain finish
06200.02	Softwood trim, paint finish
06200.03	Veneer plywood
06200.04	Vertical T & G Cedar Siding to match existing
07100.01	Exterior sealant
07100.02	Interior sealant
07100.03	Exterior sealant and backer rod
07100.04	Interior sealant and backer rod
07100.05	Dampproofing
07100.06	Backer rod
07200.01	Fiberglass batt insulation
07200.02	Rigid insulation
07200.03	Fire safing insulation
07200.04	Vapor Barrier
07500.01	Modified Bitumen roofing system
07500.02	Flashing
07500.03	Roof edge fascia/gravel stop
07500.04	Metal hook strip/Cleat
07500.05	Rigid insulation
07500.06	Tapered rigid insulation
07500.07	Pre-formed metal
07500.08	Gutters
07500.09	EPDM
07500.10	Not used
07500.11	Brake metal
07500.12	Metal fascia
07500.13	Lead coated flashing
07500.14	Downspouts
07500.15	Splash Blocks
07500.16	Crickets (1/4" slope)
07500.17	Expansion joint
07500.18	Bouppar
07500.19	Termination Bar
07600.01	Skylight
08110.01	Hollow metal frame - Refer to Door Schedule
08110.02	Hollow metal door - Refer to door schedule
08210.01	Wood door - Refer to Door Schedule
08500.01	Aluminum window(s)
08500.02	Anchor clip
08500.03	Insect screen
08500.04	Sealant
08500.05	Alum. insulated panel
08500.06	Curtain wall
08500.07	Alum. perring
08500.08	Sealant
08710.00	Finish Hardware
08800.01	Float glass
08800.02	Tempered glass
08800.03	Wire glass
08800.04	Laminated glass
08800.05	Insulating glass
08800.06	Curtain wall
09200.01	Lathe & Plaster
09250.01	Gypsum board wall construction
09250.02	Gypsum board ceiling construction
09250.03	Metal stud(s)
09250.04	Metal stud track
09250.05	Furring channel
09250.06	Cold rolled channel
09250.07	Gypsum wall board
09250.08	Moisture-resistant gypsum board
09250.09	Fire-resistant gypsum board
09250.10	Control joint
09250.11	Corner bead
09250.12	Casing bead
09250.13	Deflection track
09250.14	Acoustical insulation
09250.15	Cosc board
09250.16	1" Shaft liner
09300.01	Ceramic wall tile
09300.02	Ceramic floor tile
09300.03	Ceramic tile base
09300.04	Resin Terrazzo
09500.01	Acoustical tile/panel ceiling system
09500.02	Pre-finished metal suspension system
09500.03	Pre-finished metal trim
09500.04	1 x 1 ACT Finish spherad
09650.01	Vinyl composition tile
09650.02	Sheet flooring
09650.03	Vinyl base
09650.04	One piece rubber stair tread and riser
09650.05	Rubber flooring - seamless
09680.01	Carpeting
09700.01	Composite synthetic gym flooring
10100.01	Chalkboards, markerboards, tack-boards
10150.01	Compartments & cubicles
10200.01	Louvers & vents
10400.01	Identifying devices
10800.01	Toilet paper dispenser - TPD
10800.02	Sanitary napkin receptacle - SNR
10800.03	Sanitary napkin/tampon dispenser - SND
10800.04	Paper Towel dispenser/receptacle - PTD/R
10800.05	8'-6" Knurled grab bar - GB
10800.06	Wall mounted soap dispenser - WSD
10800.07	Not used
10800.08	Mirror with stainless steel frame
10800.09	Mop rack/shelf assembly
10400.01	Fire extinguisher
10400.02	Fire extinguisher and cabinet
10400.03	Expansion joints
11182.01	Projection screens
11450.01	Gymnasium equipment
12800.01	Fixed casework
12800.02	Window treatment
12400.01	Floor mats & frames
14200.01	Elevators
15400.01	Plumbing - Refer to Plumbing Drawings
15400.02	Drinking fountain/Electric water cooler, Handicapped accessible - Refer to Plumbing Drawings
15400.03	Water closet - Handicapped accessible - HCPC
15400.04	Water closet - HC
15400.05	Urinal - Handicapped accessible - HCUR
15400.06	Urinal - UR
15400.07	Lavatory
15400.08	Lavatory - Handicapped accessible
15400.10	Floor drain - Refer to Plumbing Drawings
15400.11	Roof drain - Refer to Plumbing Drawings
15500.01	Mechanical unit - Refer to HVAC Drawings
15600.02	Ductwork - Refer to HVAC Drawings
15600.03	HVAC piping - Refer to HVAC Drawings
15600.04	Fin tube radiation
16000.01	Electrical fixture - Refer to Electrical Drawings
16000.02	Exit sign - Refer to Electrical Drawings
16000.03	Clock refer to Electrical
16000.04	Speaker refer to Electrical
16740.00	Technology Systems

Stamp:

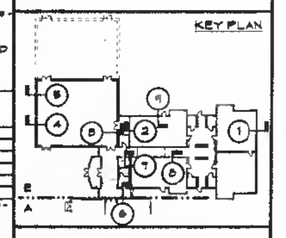
Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Addition and Alterations to the Pine Hill School

Sherborn, Massachusetts

KEY PLAN



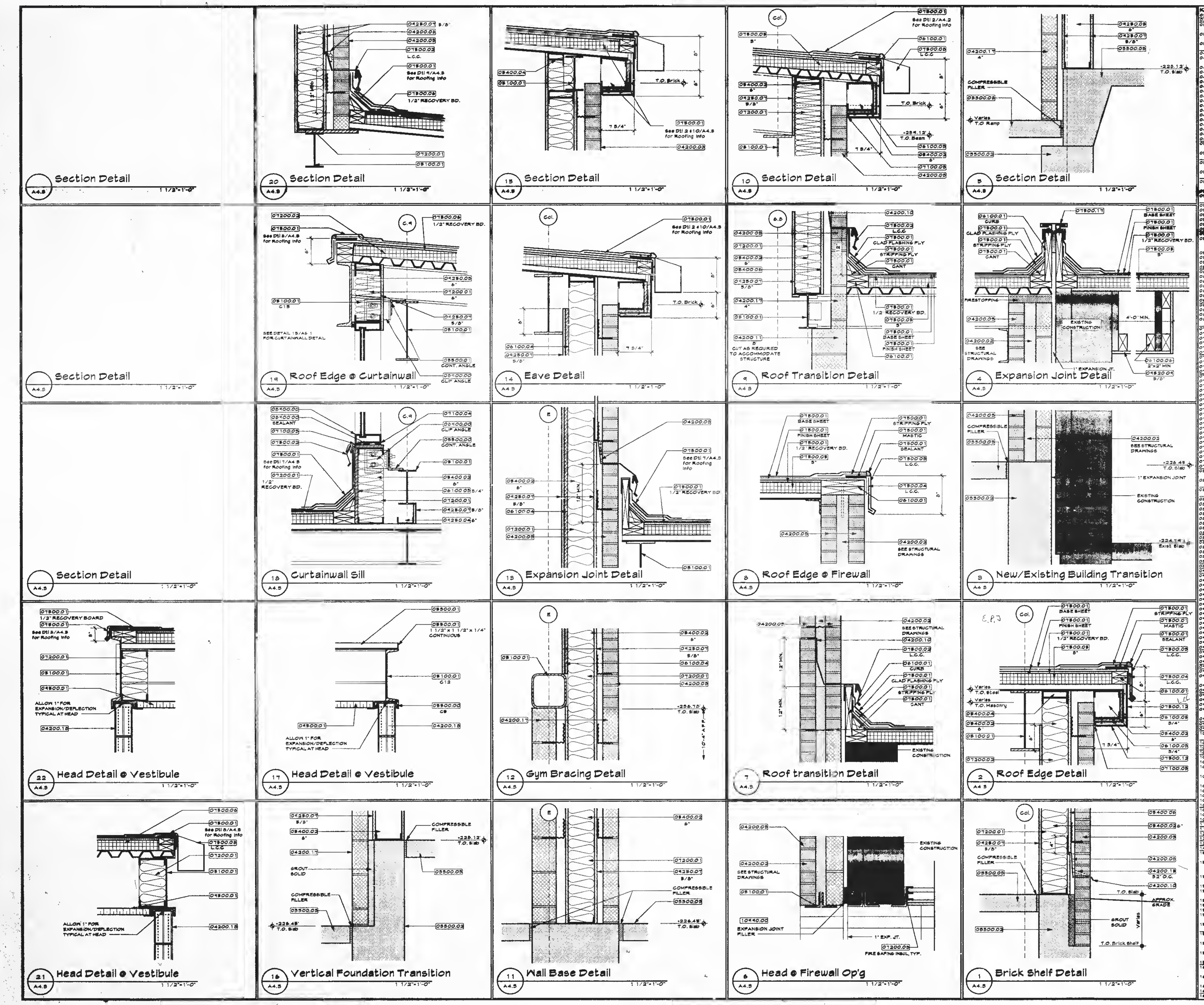
Wall Sections

Date: 2/23/97 Drawn By: MJL

Scale: As Noted Job No.: 9606

Sheet:

A4.2



KEYNOTES

- 02200.00 Earthworks
- 02222.00 Demolition
- 03300.01 Concrete - Refer to Structural Drawings
- 03300.02 Concrete foundation/footing - Refer to Structural Drawings
- 03300.03 Concrete slab on grade - Refer to Structural Drawings
- 04200.01 Masonry veneer wall construction
- 04200.02 Load bearing masonry wall construction
- 04200.03 Face Brick
- 04200.04 Reinforcing
- 04200.05 Masking
- 04200.06 Grout
- 04200.07 Control joint
- 04200.08 Pointing
- 04200.09 2" Rigid insulation
- 04200.10 Thru wall flashing
- 04200.11 CMU
- 04200.12 Precast Concrete
- 04200.13 Split Rib CMU
- 04200.14 Ground face CMU
- 04200.15 Keep ricks
- 04200.16 Sound Block CMU
- 04200.17 Center Scored CMU
- 04200.18 Glass Block
- 05100.01 Structural steel - Refer to Structural Drawings
- 05100.02 Steel beam/column - Refer to Structural Drawings
- 05200.01 Steel joists - Refer to Structural Drawings
- 05200.02 Joist seat - Height varies - Refer to Structural Drawings
- 05300.01 Metal decking - Refer to Structural Drawings
- 05300.02 Pour deck/sub square
- 05300.03 Patch roof deck - refer to structural drawings
- 05400.01 Cold formed metal framing system
- 05400.02 Metal stud(s)
- 05400.03 Track
- 05400.04 Deflection track
- 05400.05 Channel bridging
- 05400.06 Exterior gypsum sheathing
- 05400.07 Exterior CMU wall material
- 05500.02 Galvanized loose lintels - Refer to Loose Lintel Schedule on Structural Drawings
- 05500.03 Steel handrail assembly
- 05500.04 Steel guardrail assembly
- 05500.05 Steel pan stair assembly
- 05500.06 Security Screens
- 06100.01 Pressure treated wood blocking
- 06100.02 Wood blocking
- 06100.03 Pressure treated plywood
- 06100.04 Plywood
- 06100.05 Pressure treated wood framing
- 06100.06 Wood framing
- 06100.07 Hanger
- 06200.01 Hardwood trim, stain finish
- 06200.02 Softwood trim, paint finish
- 06200.03 Veneer plywood
- 06200.04 Vertical T & G Cedar Siding to match existing
- 07100.01 Exterior sealant
- 07100.02 Interior sealant
- 07100.03 Exterior sealant and backer rod
- 07100.04 Interior sealant and backer rod
- 07100.05 Dampproofing
- 07100.06 Backer rod
- 07200.01 Fiberglass batt insulation
- 07200.02 Rigid insulation
- 07200.03 Pre sealing insulation
- 07200.04 Vapor Barrier
- 07500.01 Modified Bitumen roofing system
- 07500.02 Flashing
- 07500.03 Roof edge fascia/gravel stop
- 07500.04 Metal hook strip/Cleat
- 07500.05 Rigid insulation
- 07500.06 Tapered rigid insulation
- 07500.07 Pre-formed metal
- 07500.08 Gutters
- 07500.09 EPDM
- 07500.10 Not used
- 07500.11 Brake metal
- 07500.12 Metal fascia
- 07500.13 Lead coated flashing
- 07500.14 Downspouts
- 07500.15 Splash Blocks
- 07500.16 Crickets (1/4" slope)
- 07500.17 Expansion joint
- 07500.18 Scupper
- 07500.19 Termination Bar
- 07500.21 Skylight
- 08110.01 Hollow metal frame - Refer to Door Schedule
- 08110.02 Hollow metal door - Refer to door schedule
- 08210.01 Wood door - Refer to Door Schedule
- 08500.01 Aluminum window(s)
- 08500.02 Anchor clip
- 08500.03 Insect screen
- 08500.04 Sealant
- 08500.05 Alum. insulated panel
- 08500.06 Curtain wall
- 08500.07 Alum. panning
- 08500.08 Sealant
- 08710.00 Finish Hardware
- 08800.01 Float glass
- 08800.02 Tempered glass
- 08800.03 Wire glass
- 08800.04 Laminated glass
- 08800.05 Insulating glass
- 08900.00 Curtain wall
- 09200.01 Lathe & Plaster
- 09250.01 gypsum board wall construction
- 09250.02 gypsum board ceiling construction
- 09280.03 Metal studs(s)
- 09290.04 Metal stud track
- 09290.05 Furring channel
- 09290.06 Cold rolled channel
- 09290.07 gypsum wall board
- 09290.08 Moisture-resistant gypsum board
- 09290.09 Fire-resistant gypsum board
- 09310.10 Control joint
- 09290.11 Corner bead
- 09290.12 Ceiling bead
- 09290.13 Deflection track
- 09290.14 Acoustical insulation
- 09290.15 Gyno board
- 09290.16 1" Shaft liner
- 09300.01 Ceramic wall tile
- 09300.02 Ceramic floor tile
- 09300.03 Ceramic tile base
- 09300.04 Patch Terrazzo
- 09500.01 Acoustical tile/panel ceiling system
- 09500.02 Pre-finished metal suspension system
- 09500.03 Pre-finished metal trim
- 09500.04 1 x 1 ACT Panels scheduled
- 09680.01 Vinyl composition tile
- 09680.02 Sheet flooring
- 09680.03 Vinyl base
- 09680.04 One piece rubber stair tread and riser
- 09680.05 Rubber flooring - seamless
- 09680.01 Carpeting
- 09700.01 Composite synthetic gym flooring
- 10100.01 Chalkboards markerboards, tack-boards
- 10150.01 Compartments & cubicles
- 10200.01 Louvers & vents
- 10400.01 Identifying devices
- 10500.01 Toilet paper dispenser - TPD
- 10500.02 Sanitary napkin receptacle - SNR
- 10500.03 Sanitary napkin/tampon dispenser - SND
- 10500.04 Paper Towel dispenser/receptacle - PTD/R
- 10500.05 18-8" Knurled grab bar - GB
- 10500.06 Wall mounted soap dispenser - WSD
- 10500.07 Not used
- 10500.08 Mirror with stainless steel frame
- 10500.09 Mop rack/shelf assembly
- 10440.01 Fire extinguisher
- 10440.02 Fire extinguisher and cabinet
- 10440.03 Expansion joints
- 11182.01 Projection screens
- 11680.01 Gymnasium equipment
- 12500.01 Fixed casework
- 12500.01 Window treatment
- 12650.01 Floor mats & frames
- 14200.01 Elevators
- 15400.01 Plumbing - Refer to Plumbing Drawings
- 15400.03 Drinking fountain/Electric water cooler, Handicapped accessible - Refer to Plumbing Drawings
- 15400.04 Water closet - Handicapped accessible - HCWC
- 15400.05 Water closet - WC
- 15400.06 Urinal - Handicapped accessible - HCUR
- 15400.07 Urinal - UR
- 15400.08 Lavatory
- 15400.09 Lavatory - Handicapped accessible
- 15400.10 Floor drain - Refer to Plumbing Drawings
- 15400.11 Roof drain - Refer to Plumbing Drawings
- 15500.01 Mechanical unit - Refer to HVAC Drawings
- 15600.02 Ductwork - Refer to HVAC Drawings
- 15600.03 HVAC piping - Refer to HVAC Drawings
- 15800.04 Fire protection
- 16000.01 Electrical fixture - Refer to Electrical Drawings
- 16000.02 Exit sign - Refer to Electrical Drawings
- 16000.03 Clock refer to Electrical
- 16000.04 Speaker refer to Electrical
- 16740.00 Technology systems

Stamp:

Revisions:

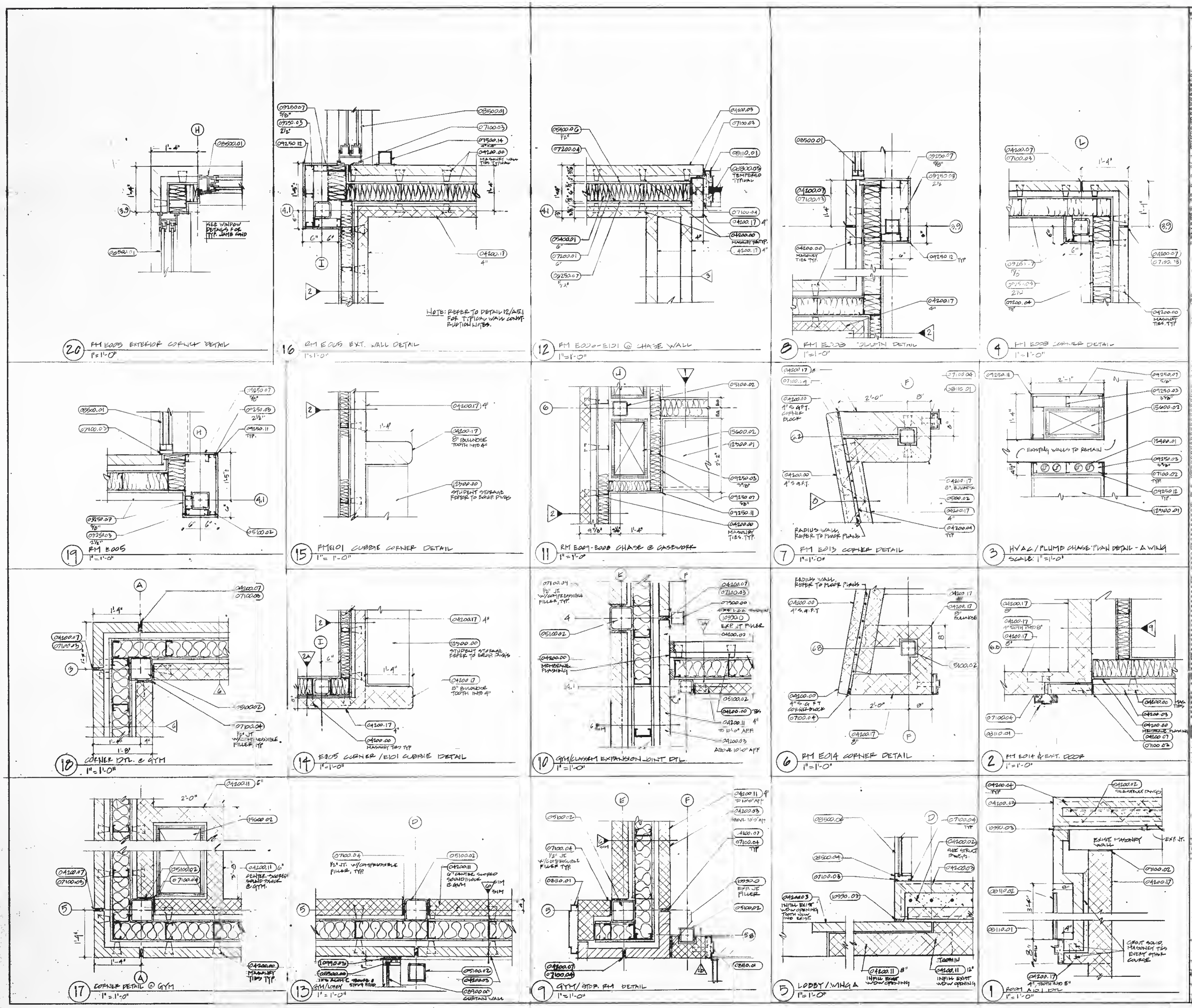
A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Addition and Alterations to the
Pine Hill School
Sherborn, Massachusetts

Section Details

Date: 3/20/97 Drawn By: ML/SW
Scale: As Noted Job No.: 9606.0
Sheet:

A4.3



KEYNOTES

02200.01	Earthwork
02300.01	Backfill
03010.01	Concrete - Refer to Structural Drawings
03300.02	Concrete foundation footing - Refer to Structural Drawings
03300.05	Concrete slab on grade - Refer to Structural Drawings
04200.01	Masonry veneer wall construction
04200.02	Load bearing masonry wall construction
04200.03	Face Brick
04200.04	Reinforcing
04200.05	Flashing
04200.06	Grout
04200.07	Control joint
04200.08	Pointing
04200.09	2" Rigid insulation
04200.10	Thru wall flashing
04200.11	CMU
04200.12	Precast Concrete
04200.13	Split Rib CMU
04200.14	Ground face CMU
04200.15	Keep Picks
04200.16	Sound Block CMU
04200.17	Center Scored CMU
04200.18	Glass Block
05100.01	Structural steel - Refer to Structural Drawings
05100.02	Steel beam bottom - Refer to Structure Drawings
05200.01	Steel joists - Refer to Structure Drawings
05200.02	Joist seat - Height varies - Refer to Structure Drawings
05300.01	Metal decking - Refer to Structural Drawings
05300.02	Pour stops/slab closure
05300.03	Patch roof deck - refer to structural drawings
05400.01	Cold formed metal framing system
05400.02	Metal stud(s)
05400.03	Track
05400.04	Deflection track
05400.05	Channel bridging
05400.06	Exterior [illegible] sheathing
05500.01	Miscellaneous metal elements
05500.02	Galvanized lone lintels - Refer to Lintel Schedule on Structure Drawings
06100.01	Sleeper nailer assembly
06100.02	Stud assembly
06100.03	Sill plate assembly
06100.04	Sill plate assembly
06100.05	Sheathing Sheets
06100.06	Pressure treated wood blocking
06100.07	Wood blocking
06100.08	Pressure treated wood
06100.09	Pressure treated wood framing
06100.10	Wood framing
06100.11	Hanger
06200.01	[illegible]
06200.02	Solid edge minimum pattern
06200.03	Veneer plywood
06200.04	Vertical T&G Cedar Siding to match existing
06200.05	Exterior trim
06200.06	Interior trim
06200.07	Solid edge minimum pattern
06200.08	Shelving
06200.09	Casework
07100.01	Fiberglass batt insulation
07100.02	Rigid insulation
07100.03	Fire safing insulation
07100.04	Vapor barrier
07100.05	Roof deck [illegible]
07500.01	Flashing
07500.02	Roof edge fascia gravel stop
07500.03	Metal roof drip flashing
07500.05	Rigid insulation
07500.06	Tapered rigid insulation
07500.07	Pre-formed metal
07500.08	Gutters
07500.09	EPDM
07500.10	Not used
07500.11	Brake metal
07500.12	Metal fascia
07500.13	Lead coated flashing
07500.14	Downspouts
07500.15	Scupper Blocks
07500.16	Gravel fine stops
07500.17	Expansion joint
07500.18	Scupper
07500.19	Termination Bar
07500.20	Skylight
08110.01	Hollow metal frame - Refer to Door Schedule
08110.02	Hollow metal door - Refer to door schedule
08210.01	Wood door - Refer to Door Schedule
08500.01	Aluminum window(s)
08500.02	Anchor clip
08500.03	Insect screen
08500.04	Sash
08500.05	Alum insulated panel
08800.06	Curtain wall
08800.07	Alum panning
08800.08	Sealant
08710.01	Finish hardware
08800.01	Float glass
08800.02	Tempered glass
08800.03	Wire glass
08800.04	Laminated glass
08800.05	Insulated glass
09100.01	Curtain wall
09210.01	Lath & Plaster
09250.01	Gypsum board wall construction
09250.02	Gypsum board ceiling construction
09250.03	Metal stud(s)
09250.04	Metal stud track
09250.05	Furring channel
09250.06	Cold rolled channel
09250.07	Sound wall board
09250.08	Moisture-resistant gypsum board
09250.09	Fire-resistant gypsum board
09250.10	Control joint
09250.11	Corner bead
09250.12	Casing bead
09250.13	Deflection track
09250.14	Acoustical insulation
09250.15	Cement board
09250.16	1/2" sell board
09300.01	Ceramic wall tile
09300.02	Ceramic floor tile
09300.03	Ceramic tile base
09400.01	Poured Terrazzo
09500.01	Acoustical tile/panel ceiling system
09500.02	Pre-finished metal suspension system
09500.03	Pre-finished metal trim
09500.04	1" ACT Panels adhered
09650.01	Vinyl composition tile
09650.02	Sheet flooring
09650.03	Vinyl base
09650.04	One piece rubber stair treads and riser
09650.05	Rubber flooring - seamless
09680.01	Carpeting
09700.01	Composite synthetic gym flooring
10100.01	Chalkboards, markerboards, tackboards
10150.01	Compartments & cubicles
10200.01	Louvers & vents
10400.01	Identifying devices
10800.01	Toilet paper dispenser - TPD
10800.02	Sanitary napkin receptacle - SNR
10800.03	Sanitary napkin/tampon dispenser - SND
10800.04	Paper Towel dispenser/receptacle - PTD/R
10800.05	5'-6" Knurled grab bar - GB
10800.06	Wall mounted soap dispenser - WSD
10800.07	Not used
10800.08	Mirror with stainless steel frame
10800.09	Mop rack and assembly
10810.01	Fire extinguisher
10810.02	Fire extinguisher and cabinet
08810.03	Expansion joints
11150.01	Projection Screens
11400.01	Gymnasium equipment
12350.01	Fixed Casework
12600.01	Bubbler treatment
12600.01	Floor mats & frames
14200.01	Elevators
15400.01	Plumbing - Refer to Plumbing Drawings
15400.03	Drinking fountain-Electric water cooler Handicapped accessible - Refer to Plumbing Drawings
15400.04	Water closet - Handicapped accessible - HCWC
15400.05	Water closet - WC
15400.06	Urinal - Handicapped accessible - HCUR
15400.07	Urinal - UR
15400.08	Lavatory
15400.09	Lavatory - Handicapped accessible
15400.10	Floor drain - Refer to Plumbing Drawings
15400.11	Roof drain - Refer to Plumbing Drawings
15800.01	Mechanical grill - Refer to HVAC Drawings
15800.02	Diffusers - Refer to HVAC Drawings
15800.03	HVAC piping - Refer to HVAC Drawings
15800.04	Fin tube radiation
16000.01	Electrical fixture - Refer to Electrical Drawings
16000.02	Exit sign - Refer to Electrical Drawings
16000.03	Clock refer to Electrical
16000.05	Speaker - refer to Electrical
16400.01	Telephone Systems

Stamp:

Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Fidgerty Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Additions and Alterations to the

Pine Hill School

Sherborn, Massachusetts

Title:

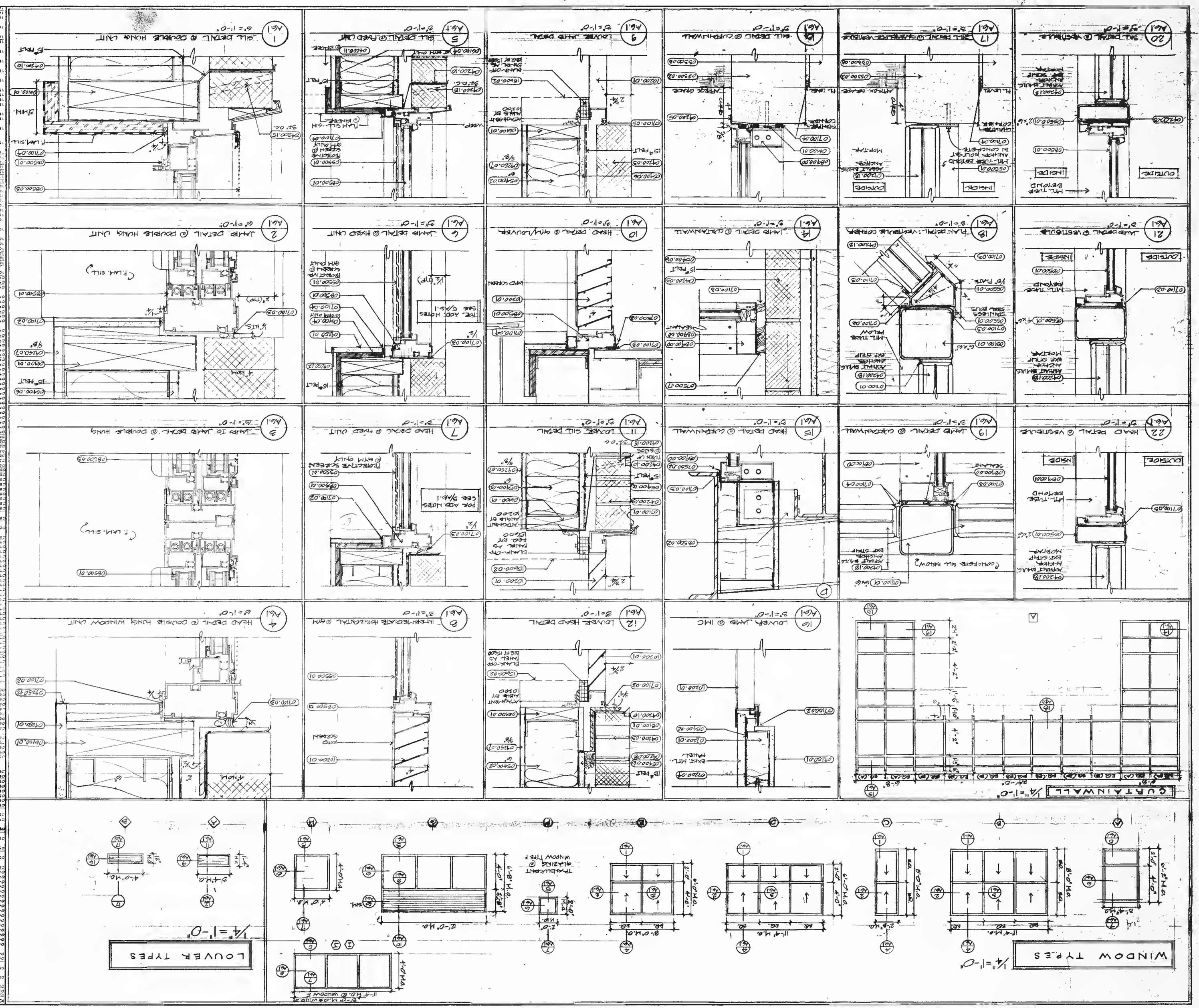
Plan Details

Date: 3/20/97 Drawn By: SW

Scale: As Noted Job No.: 9606.00

Sheet:

A5.1



Pine Hill School

Additions and Alterations to the

Sherborn, Massachusetts

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Liberty Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Revisions

Stamp:

Title: Window Elevations and Details

Date: 3/20/97 Drawn By: MD

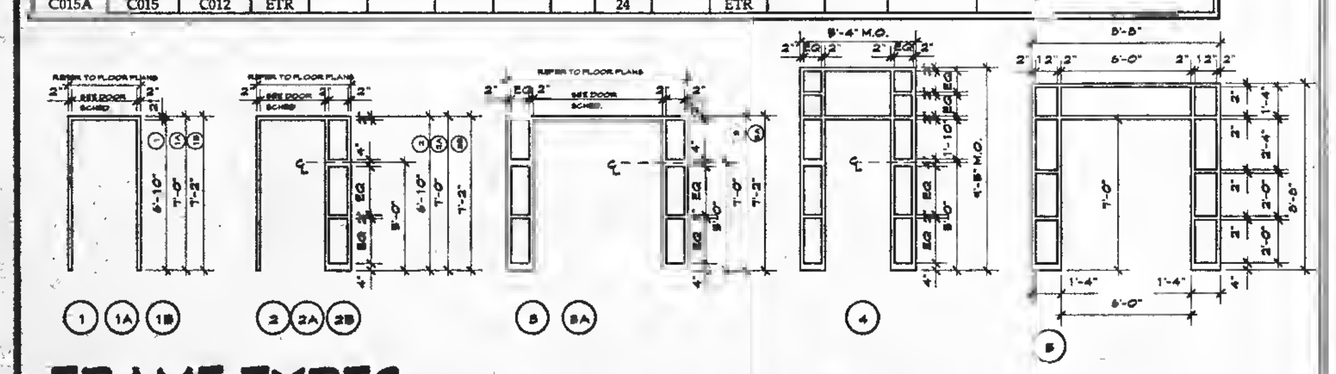
Scale: As Noted Job No.: 9606.00

Sheet: A6.1

DOOR SCHEDULE

Door No.	Room From	To	Door Type	Mat'l	Width	Height	Thick	UL Label	Hdwr Set	Under Cut	Frame Type	Mat'l	Head	Jamb	Sill	Notes
A001A	A001	A101	B	WD	3'-0"	7'-0"	13/4"		12		1B	HM	5A/A7.1	6A/A7.1		
A001B	A001	EXT	A	HM	(1) 3'-(1)2"	7'-0"	13/4"		7		ETR				8/A7.3	VIF EXIST. OPENING
A001C	A003	A001	A	WD	3'-0"	7'-0"	13/4"		15		1B	HM	5A/A7.1	6A/A7.1		
A002A	A002	A101	B	WD	3'-0"	7'-0"	13/4"		12		1B	HM	5A/A7.1	6A/A7.1		
A002B	A002	A013	A	WD	3'-0"	7'-0"	13/4"		15		1B	HM	5A/A7.1	6A/A7.1		
A003A	A101	A003	ETR						13		ETR					
A003B	A006	A003	A	WD	3'-0"	7'-0"	13/4"		15		1B	HM	5A/A7.1	6A/A7.1		
A004A	A101	A004	ETR						13		ETR					
A004B	A013	A004	A	WD	3'-0"	7'-0"	13/4"		15		1B	HM	5A/A7.1	6A/A7.1		VIF EXIST. WALL
A005A	A101	A005	ETR						13		ETR					
A005B	A005	EXT	ETR						26		ETR				8/A7.3	
A005C	A007	A005	ETR						16		ETR					
A006A	A101	A006	ETR						13		ETR					
A006B	A004	A006	ETR						16		ETR					
A006C	A008	A006	ETR						16		ETR					
A006D	A006	EXT	ETR						26		ETR				8/A7.3	
A007A	A101	A007	ETR						13		ETR					
A007B	A009	A007	ETR						16		ETR					
A008A	A101	A008	ETR						13		ETR					
A009A	A101	A009	ETR						27		ETR					
A010A	A101	A010	ETR						29		ETR					
A011A	A101	A011	ETR						13		ETR					
A012A	A101	A012	ETR						29		ETR					
A013A	A101	A013	ETR						13		ETR					
A101A	A101	E001	A	HM	(2) 3'-0"	6'-10"	13/4"	B	19		1	HM	5A/A7.1	6A/A7.1		
E001A	E017	EXT	C	HM	(2) 3'-0"	6'-10"	13/4"		1		5	HM	25/A7.3	5/A7.3	8/A7.3	
E001B	E001	E017	C	HM	(2) 3'-0"	6'-10"	13/4"		17		5	HM	25/A7.3	5/A7.3		
E001C	E001	EXT	C	HM	(2) 3'-0"	6'-10"	13/4"		1		1	HM	7/A7.3	6/A7.3	8/A7.3	
E002A	E002	E001	A	WD	(2) 3'-0"	6'-10"	13/4"	C	18		1	HM	2/A7.3	1/A7.3		
E002B	E002	EXT	A	HM	(2) 3'-0"	6'-10"	13/4"		2		1	HM	2/A7.3	1/A7.3	8/A7.3	
E002C	E002	EXT	A	HM	(2) 3'-0"	6'-10"	13/4"		2		1	HM	2/A7.3	1/A7.3	8/A7.3	
E002D	E002	EXT	A	HM	(2) 3'-0"	6'-10"	13/4"		2		1	HM	2/A7.3	1/A7.3	8/A7.3	
E003A	E003	E002	A	WD	(2) 3'-0"	6'-10"	13/4"		22		1	HM	2/A7.3	1/A7.3		
E004A	E004	E001	A	WD	3'-0"	6'-10"	13/4"	B	11		1	HM	5A/A7.1	6A/A7.1		
E005A	E005	E101	A	WD	3'-0"	6'-10"	13/4"	C	11		2A	HM	4/A7.1SIM	3/A7.1		
E005B	E005	EXT	A	HM	3'-0"	6'-10"	13/4"		6		1	HM	7/A7.3	6/A7.3	8/A7.3	
E006A	E006	E101	A	WD	3'-0"	6'-10"	13/4"		15	1/2"	1	HM	5A/A7.1	6A/A7.1		
E007A	E007	E101	A	WD	3'-0"	6'-10"	13/4"		15	1/2"	1	HM	5A/A7.1	6A/A7.1		
E008A	E008	E101	A	WD	3'-0"	6'-10"	13/4"	C	11		2A	HM	4/A7.1SIM	3/A7.1		
E009A	E009	E101	A	WD	3'-0"	6'-10"	13/4"	C	11		2A	HM	4/A7.1SIM	3/A7.1		
E009B	E008	E009	A	WD	3'-0"	6'-10"	13/4"		15		1	HM	1/A7.1	1/A7.1		
E010A	E010	E101	A	WD	3'-0"	6'-10"	13/4"		15	1/2"	1	HM	5A/A7.1	6A/A7.1		
E011A	E011	E101	A	WD	3'-0"	6'-10"	13/4"	C	15	1/2"	1	HM	5A/A7.1	6A/A7.1		
E012A	E012	E101	A	WD	3'-0"	6'-10"	13/4"		11		2A	HM	4/A7.1SIM	3/A7.1		
E012B	E012	EXT	A	HM	3'-0"	6'-10"	13/4"		6		1	HM	7/A7.3	6/A7.3	8/A7.3	
E013A	E001	E013	A	WD	3'-0"	6'-10"	13/4"	C	24	1/2"	1	HM	5A/A7.1	6A/A7.1		
E014A	E001	E014	A	WD	3'-0"	6'-10"	13/4"	C	24	1/2"	1	HM	5A/A7.1	6A/A7.1		
E015A	E014	E015	A	WD	3'-0"	6'-10"	13/4"		15		1	HM	5A/A7.1	6A/A7.1		
E016A	E016	E004	A	HM	3'-0"	6'-10"	13/4"	B	11		1	HM	5A/A7.1	6/A7.1		
E101A	E101	E001	A	HM	3'-0"	6'-10"	13/4"	C	19		1	HM	2&8/A7.1	8/A7.1		
E101B	E101	EXT	C	HM	3'-0"	6'-10"	13/4"		5		4	HM	4/A7.3	3/A7.3	8/A7.3	
E101C	E101	EXT	C	HM	3'-0"	6'-10"	13/4"		5		4	HM	4/A7.3	3/A7.3	8/A7.3	

Door No.	Room From	To	Door Type	Mat'l	Width	Height	Thick	UL Label	Hdwr Set	Under Cut	Frame Type	Mat'l	Head	Jamb	Sill	Notes
B001A	B001	B002	A	HM	3'-0"	7'-0"	13/4"	B	11		1B	HM	5A/A7.1	6A/A7.1		
B002A	B102	B002	ETR						11		ETR					
B003A	B102	B003	ETR						14		ETR					
B004A	B003	B004	ETR						13		ETR					
B005A	B102	B005	A	HM	(1) 3'-(1)2"	7'-0"	13/4"	C	23		ETR					VIF EXIST. OPENING
B006A	B006	B102	ETR					B	14		ETR					
B006B	B006	B104	ETR					B	14		ETR					
B007A	B104	B007	ETR						13		ETR					
B007B	B008	B007	ETR						13		ETR					
B007C	B007	EXT	ETR						8		ETR				8/A7.3	
B008A	B102	B008	A	WD	3'-0"	7'-0"	13/4"	C	11		1B	HM	5A/A7.1	6A/A7.1		VIF EXIST. WALL
B009A	B009	B008	A	WD	3'-0"	7'-0"	13/4"		24	1/2"	1B	HM	5A/A7.1	6A/A7.1		
B010A	B105	B010	ETR						14		ETR					
B010B	B008	B010	ETR						14		ETR					
B011A	B010	B011	ETR						13		ETR					
B012A	B105	B012	ETR						14		ETR					
B012B	B010	B012	A	WD	3'-0"	7'-0"	13/4"		12		1B	HM	5A/A7.1	6A/A7.1		VIF EXIST. WALL
B013A	B103	B013	A	HM	3'-0"	7'-0"	13/4"	B	11		1B	HM	5A/A7.1	6A/A7.1		VIF EXIST. WALL
B014A	B014	B013	A	WD	3'-0"	7'-0"	13/4"		24	1/2"	1B	HM	5A/A7.1	6A/A7.1		VIF EXIST. WALL
B015A	B015	B013	A	WD	3'-0"	7'-0"	13/4"		24	1/2"	1B	HM	5A/A7.1	6A/A7.1		VIF EXIST. WALL
B016A	B103	B016	ETR					B	25		ETR					
B016B	B022	B016	ETR					B	27		ETR					
B016C	B016	EXT	ETR						3		ETR				8/A7.3	
B016D	B016	EXT	ETR						3		ETR				8/A7.3	
B017A	B016	B017	A	HM	3'-0"	7'-0"	13/4"	B	11		1B	HM	5B/A7.1	6B/A7.1		VIF EXIST. WALL
B017B	B022	B017	ETR						13		ETR					
B017C	B017	B038	ETR						12		ETR					
B018A	B103	B018	ETR						27		ETR					
B019A	B018	B019	ETR						28		ETR					
B020A	B020	B019	A	WD	3'-0"	7'-0"	13/4"		24	1/2"	1B	HM	5C/A7.1	6C/A7.1		
B021A	B022	B021	ETR						13		ETR					
B022A	B022	B102	A	HM	3'-6"	7'-0"	13/4"	C	20		2B	HM	5B/A7.1	6B&7B/A7.1		VIF EXIST OPENING
B022B	B022	B102	A	HM	3'-6"	7'-0"	13/4"	C	20		2B	HM	5B/A7.1	6B&7B/A7.1		VIF EXIST OPENING
B022C	B022	EXT	ETR						9		ETR				8/A7.3	
B023A	B022	B023	ETR						22		ETR					
B024A	B024	EXT	ETR						4		ETR				8/A7.3	
B024B	B022	B024	ETR						21		ETR					
B024C	B105	B024	A	HM	(2) 3'-0"	7'-0"	13/4"	B	19		1B	HM	5A/A7.1	6A/A7.1		
B024D	D101	B024	ETR					C	19		ETR					
B027A	B105	B027	ETR					B	27		ETR					
B028A	B028	B027	ETR						28		ETR					
B029A	B029	B030	ETR						13		ETR					
B030A	B030	B027	A1	HM	3'-0"	7'-0"	13/4"	B	11		ETR					VIF EXIST OPENING
B031A	B105	B031	ETR						28		ETR					
B031B	B027	B031	ETR					B	27		ETR					
B031C	B030	B031	ETR						13		ETR					
B032A	B032	B031	ETR						13		ETR					
B033A	B024	B033	ETR						14		ETR					
B033B	B034	B033	A	WD	3'-0"	7'-0"	13/4"		12		1B	HM	1/A7.1	1/A7.1		
B034A	B034	D101	A	WD	3'-0"	7'-0"	13/4"		11		3A	HM	5B/A7.1	6B&7B/A7.1		
B035A	D101	B035	ETR						29		ETR					
B036A	D101	B036	ETR						29		ETR					
B037A	B037	B024	ETR						13		ETR					
B101A	B101	EXT	C	HM	3'-6"	7'-0"	13/4"		5		2B	HM	5A/A7.1	6A&7A/A7.1	8/A7.3	VIF EXIST OPENING
B101B	B102	B101	C	HM	3'-6"	7'-0"	13/4"	C	20		2B	HM	5B/A7.1	6B&7B/A7.1		VIF EXIST OPENING
B102A	A101	B102	A	HM	(2) 3'-0"	7'-0"	13/4"	C	19		3A	HM	1/A7.1	7/A7.1		VIF EXIST OPENING
B103A	B102	B103	ETR						19		ETR					VIF EXIST OPENING
B104A	B102	B104	C	HM	3'-6"	7'-0"	13/4"	C	20		2B	HM	5A/A7.1	7A/A7.1		VIF EXIST OPENING
B104B	B104	EXT	C	HM	3'-6"	7'-0"	13/4"		5		2B	HM	5A/A7.1	6A&7A/A7.1	8/A7.3	VIF EXIST OPENING
B105A	B102	B105	A	HM	(2) 3'-0"	7'-0"	13/4"	C	19		3A	HM	5A/A7.1	6A/A7.1		
C012B	C012	B030	ETR						14		ETR					
C015A	C015	C012	ETR						24		ETR					



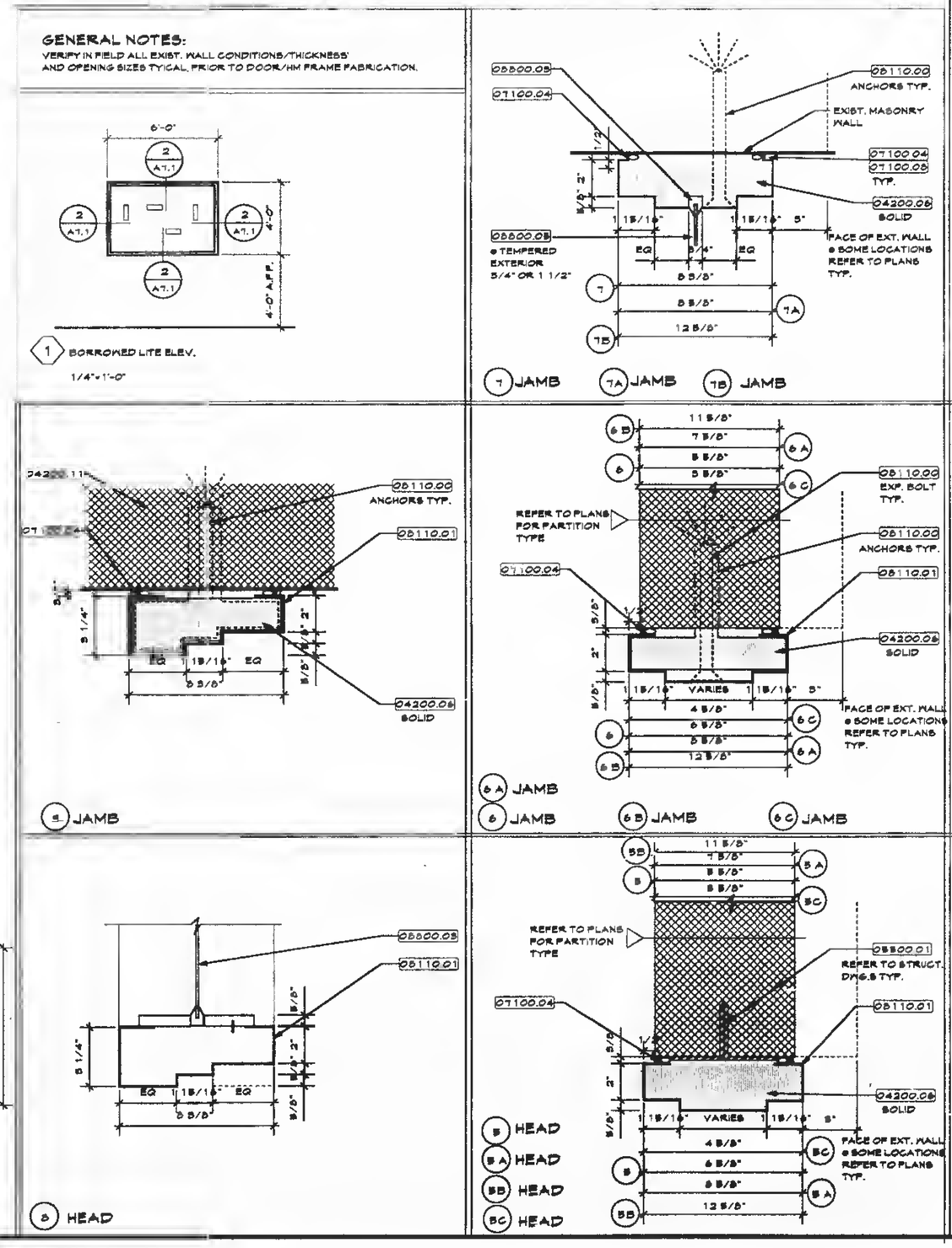
1 1A 1B 2 2A 2B 3 3A 4 5

FRAME TYPES

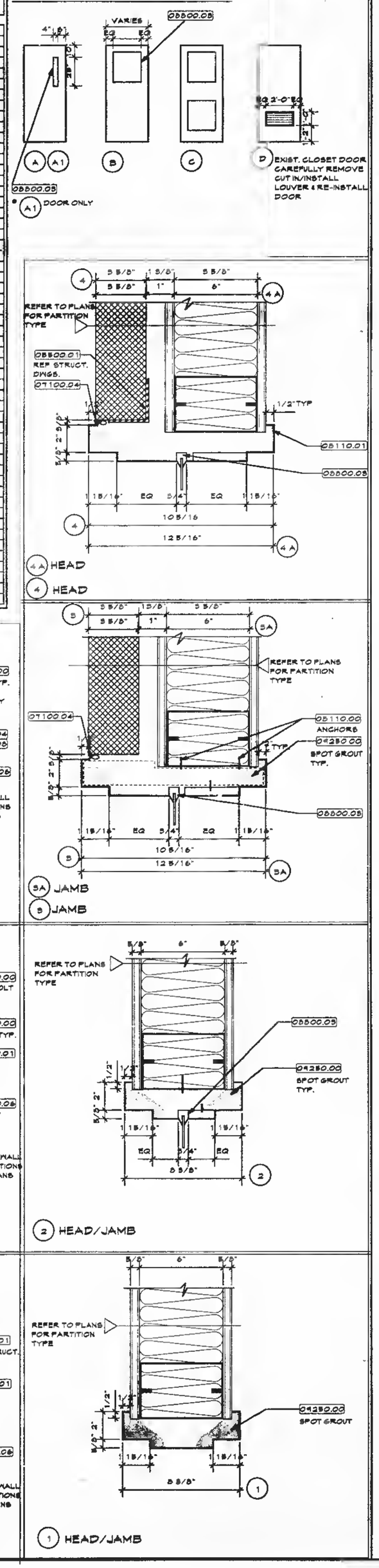
DOOR SCHEDULE

Door No.	Room From	To	Door Type	Mat'l	Width	Ht	Thick	UL Label	Hdwr Set	Under Cut	Frame Type	Mat'l	Head	Jamb	Sill	Notes
C001A	C101	C001	ETR						13		ETR					
C001B	C101	C001	ETR						13		ETR					
C002A	C101	C002	ETR						13		ETR					
C002B	C002	EXT	ETR						8		ETR					
C003A	C101	C003	ETR						13		ETR				8/A7.3	
C003B	C001	C003	ETR						16		ETR					
C003C	C003	EXT	ETR						8		ETR					
C004A	C101	C004	ETR						13		ETR				8/A7.3	
C004B	C004	EXT	ETR						8		ETR					
C005A	C101	C005	ETR						13		ETR				8/A7.3	
C005B	C003	C005	ETR						16		ETR					
C005C	C005	EXT	ETR						8		ETR					
C006A	C101	C006	ETR						13		ETR				8/A7.3	
C006B	C006	EXT	ETR						8		ETR					
C007A	C101	C007	ETR						13		ETR				8/A7.3	
C007B	C005	C007	ETR						16		ETR					
C007C	C007	EXT	ETR						8		ETR				8/A7.3	
C008A	C101	C008	ETR						13		ETR					
C009A	B105	C009	ETR						29		ETR					
C009B			ETR						10		ETR					
C010A	B105	C010	ETR						13		ETR					
C010B	C008	C010	A	WD	3'-0"	7'-0"	13/4"		12		1B	HM	5A/A7.1	6A/A7.1		
C010C	C010	EXT	ETR						8		ETR				8/A7.3	
C011A	B105	C011	ETR						29		ETR					
C011B			ETR						10		ETR					
C012A	B105	C012	ETR						14		ETR					
C012B	C012	B030	ETR						14		ETR					
C013A	B105	C013	ETR						13		ETR					
C014A	C014	B105	ETR						13		ETR					
C015A	C015	C012	ETR						24		ETR					
C101A	C101	EXT	C	HM	(2) 3'-4"	7'-0"	13/4"		1		1B	HM	2/A7.1	7/A7.1	8/A7.3	VIF EXIST. OPENING
C101B	C101	B105	A	HM	(2) 3'-0"	7'-0"	13/4"	C	19		3A	HM	2/A7.1	7/A7.1		VIF EXIST. OPENING
D002A	D002	D001	A	WD	3'-0"	6'-8"	13/4"	C	11		2	HM	1&2/A7.1	1&2/A7.1		
D003A	D003	D001	A	WD	3'-0"	6'-8"	13/4"	C	11		2	HM	1&2/A7.1	1&2/A7.1		
D003B	D002	D003	A	WD	3'-0"	6'-8"	13/4"		15		1A	HM	1/A7.1	1/A7.1		
D004A	D004	D001	A	WD	3'-0"	6'-8"	13/4"	C	11		2	HM	1&2/A7.1	1&2/A7.1		
D004B	D003	D004	A	WD	3'-0"	6'-8"	13/4"		15		1A	HM	1/A7.1	1/A7.1		
D005A	D005	D001	A	WD	3'-0"	6'-8"	13/4"	C	11		2	HM	1&2/A7.1	1&2/A7.1		
D005B	D006	D005	A	WD	3'-0"	6'-8"	13/4"		15		1A	HM	1/A7.1	1/A7.1		
D006A	D006	D001	A	WD	3'-0"	6'-8"	13/4"	C	11		2	HM	1&2/A7.1	1&2/A7.1		
D006B	D007	D006	A	WD	3'-0"	6'-8"	13/4"		15		1A	HM	1/A7.1	1/A7.1		
D007A	D007	D001	A	WD	3'-0"	6'-8"	13/4"	C	11		2	HM	1&2A7.1	1&2/A7.1		
D008A	D008	D001	A	WD	3'-0"	6'-8"	13/4"	C	11		2	HM	1&2/A7.1	1&2/A7.1		
D008B	D009	D008	A	WD	3'-0"	6'-8"	13/4"		15		1A	HM	1/A7.1	1/A7.1		
D009A	D009	D001	A	WD	3'-0"	6'-8"	13/4"	C	11		2	HM	1&2/A7.1	1&2/A7.1		
D009B	D010	D009	A	WD	3'-0"	6'-8"	13/4"		15		1A	HM	1/A7.1	1/A7.1		
D010A	D010	D001	A	WD	3'-0"	6'-8"	13/4"	C	11		2	HM	1&2/A7.1	1&2/A7.1		
D012A	D012	D001	A	WD	3'-0"	6'-10"	13/4"		24	1/2"	1	HM	5A/A7.1	6A/A7.1		
D013A	D013	D001	A	HM	3'-0"	6'-10"	13/4"	B	11		1	HM	5A/A7.1	6A/A7.1		
D015A	D015	D001	A	WD	3'-0"	6'-10"	13/4"		12		1	HM	5A/A7.1	6A/A7.1		
D016A	D016	D001	ETR/D								ETR					LOUVER
D017A	D001	EXT	ETR						9		ETR				8/A7.3	
D018A	D001	EXT	ETR						9		ETR				8/A7.3	
D019A	D001	EXT	ETR						9		ETR				8/A7.3	

GENERAL NOTES:
VERIFY IN FIELD ALL EXIST. WALL CONDITIONS/THICKNESS AND OPENING SIZES TYICAL, PRIOR TO DOOR/HM FRAME FABRICATION.



DOOR TYPES



KEYNOTES
02300.00 Earthworks
02870.00 Demolition
03300.01 Concrete - Refer to Structural Drawings
03300.02 Concrete foundation/footing - Refer to Structural Drawings
03300.03 Concrete slab on grade - Refer to Structural Drawings
04200.01 Masonry veneer/wall construction
04200.02 Load bearing masonry wall construction
04200.03 Face Brick
04200.04 Reinforcing
04200.05 Flashing
04200.06 Grout
04200.07 Control joint
04200.09 Weepholes
04200.09 2" Rigid insulation
04200.10 Thru-wall flashing
04200.11 CMU
04200.12 Precast Concrete
04200.13 Split Rib CMU
04200.14 Ground face CMU
04200.15 Keep Picks
04200.16 Sound Block CMU
04200.17 Center Scored CMU
04200.18 Glass Block
05100.01 Structural steel - Refer to Structural Drawings
05100.02 Steel beam/column - Refer to Structural Drawings
05200.01 Steel joists - Refer to Structural Drawings
05200.02 Joist seat - Height varies - Refer to Structural Drawings
05300.01 Metal decking - Refer to Structural Drawings
05500.02 Pan stair/stair closure
05500.05 Patch roof deck - refer to structural drawings
06400.01 Cold formed metal framing system
06400.02 Metal stud(s)
06400.03 Track
06400.04 Deflection track
06400.06 Channel bridging
06400.06 Exterior gypsum sheathing
06500.01 Miscellaneous metal materials
06500.02 Galvanized loose lintels - Refer to Loose Lintel Schedule on Structural Drawings
06500.05 Steel handrail assembly
06500.06 Steel guardrail assembly
06500.08 Steel pan stair assembly
06800.06 Security screens
06100.01 Pressure treated wood blocking
06100.02 Wood blocking
06100.05 Pressure treated plywood
06100.06 Plywood
06100.08 Pressure treated wood framing
06100.09 Wood framing
06100.07 Hanger
06200.01 Hardwood trim stain finish
06200.02 Softwood trim paint finish
06200.05 Veneer plywood
06200.04 Vertical T & G Cedar siding to match existing
07100.01 Exterior sealant
07100.02 Interior sealant
07100.05 Exterior sealant and backer rod
07100.04 Interior sealant and backer rod
07100.08 Dampproofing
07100.06 Backer rod
07200.01 Fiberglass batt insulation
07200.02 Rigid insulation
07200.05 Fire safing insulation
07200.04 Vapor Barrier
07500.01 Modified bitumen roofing system
07500.02 Flashing
07500.03 Roof edge fascia/gravel stop
07500.04 Metal hook strip/Cleat
07500.05 Rigid insulation
07500.06 Tapered rigid insulation
07500.07 Pre-formed metal
07500.08 Gutters
07500.04 EPDM
07500.10 Hot Mop
07500.11 Brake metal
07500.12 Metal fascia
07500.13 Lead coated flashing
07500.14 Downspouts
07500.15 Splash Blocks
07500.16 Crickets (1/4" slope)
07500.17 Expansion joint
07500.18 Scupper
07500.19 Termination Bar
07500.01 Skylight
08110.01 Hollow metal frame - Refer to Door Schedule
08110.02 Hollow metal door - Refer to door schedule
08210.01 Wood door - Refer to Door Schedule
08500.01 Aluminum window(s)
08500.03 Anchor clip
08500.05 Insect screen
08500.04 Sealant
08500.09 Alum. insulated panel
08500.06 Curtain wall
08500.07 Alum. panning
08500.08 Sealant
08710.00 Finish Hardware
08800.01 Float glass
08800.02 Tempered glass
08800.05 Fire glass
08800.04 Laminated glass
08800.06 Insulating glass
08400.00 Curtain wall
09200.01 Lathe & Plaster
09250.01 Gypsum board wall construction
09250.02 Gypsum board ceiling construction
09250.05 Metal stud(s)
09250.04 Metal stud track
09250.09 Furring channel
09250.06 Cold rolled channel
09250.07 Gypsum wall board
09250.08 Moisture-resistant gypsum board
09250.09 Fire-resistant gypsum board
09250.10 Control joint
09250.11 Corner bead
09250.12 Casing bead
09250.15 Deflection track
09250.14 Acoustical insulation
09250.13 Cond. board
09250.16 1" Shaft Liner
09300.01 Ceramic wall tile
09300.02 Ceramic floor tile
09300.09 Ceramic tile base
09400.00 Patch Terrazzo
09800.01 Acoustical tile/panel ceiling system
09800.02 Pre-finished metal suspension system
09800.08 Pre-finished metal trim
09800.04 1 x 1 ACT Panels adhered
09680.01 Vinyl composition tile
09680.02 Sheet flooring
09680.08 Vinyl base
09680.04 One piece rubber stair tread and riser
09680.08 Rubber flooring - seamless
09650.01 Carpeting
09700.01 Composite synthetic gym flooring
10100.01 Chalkboards, markerboards, tack boards
10150.01 Compartments & cubicles
10200.01 Louvers & vents
10400.01 Identifying devices
10600.01 Toilet paper dispenser - TPD
10600.02 Sanitary napkin receptacle - SNR
10600.08 Sanitary napkin/tampon dispenser - SND
10600.04 Paper Towel dispenser/receptacle - PTD/R
10600.08 8'-6" Knurled grab bar - GB
10600.06 Wall mounted soap dispenser - MSD
10600.07 Not used
10600.05 Mirror with stainless steel frame
10600.04 Mop rack/shelf assembly
10440.01 Fire extinguisher
10440.02 Fire extinguisher and cabinet
10440.05 Expansion joints
11152.01 Projection Screens
11450.01 Gymnasium equipment
12500.01 Fixed casework
12600.01 Window treatment
12650.01 Floor mats & frames
14200.1 Elevators
15400.01 Plumbing - Refer to Plumbing Drawings
15400.08 Drinking fountain/Electric water cooler, Handicapped accessible - Refer to Plumbing Drawings
15400.04 Water closet - Handicapped accessible - HCWC
15400.08 Water closet - WC
15400.06 Urinal - Handicapped accessible - HCUR
15400.07 Urinal - UR
15400.08 Lavatory
15400.04 Lavatory - Handicapped accessible
15400.10 Floor drain - Refer to Plumbing Drawings
15400.11 Roof drain - Refer to Plumbing Drawings
15500.01 Mechanical units - Refer to HVAC Drawings
15500.02 Ductwork - Refer to HVAC Drawings
15500.08 HVAC piping - Refer to HVAC Drawings
15600.04 Fin tube radiation
16000.01 Electrical fixture - Refer to Electrical Drawings
16000.02 Exit sign - Refer to Electrical Drawings
16000.08 Clock refer to Electrical
16000.04 Speaker: refer to Electrical
16740.00 Technology Systems

Stamp:

Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-4200 Facsimile 617-451-3899

Addition and Alterations to the
Pine Hill School
Sherborn, Massachusetts

Door Schedule & Details Door & Frame Types

Date: 3/20/97 Drawn By: SFW
Scale: Varies Job No.: 9606.0
Sheet:

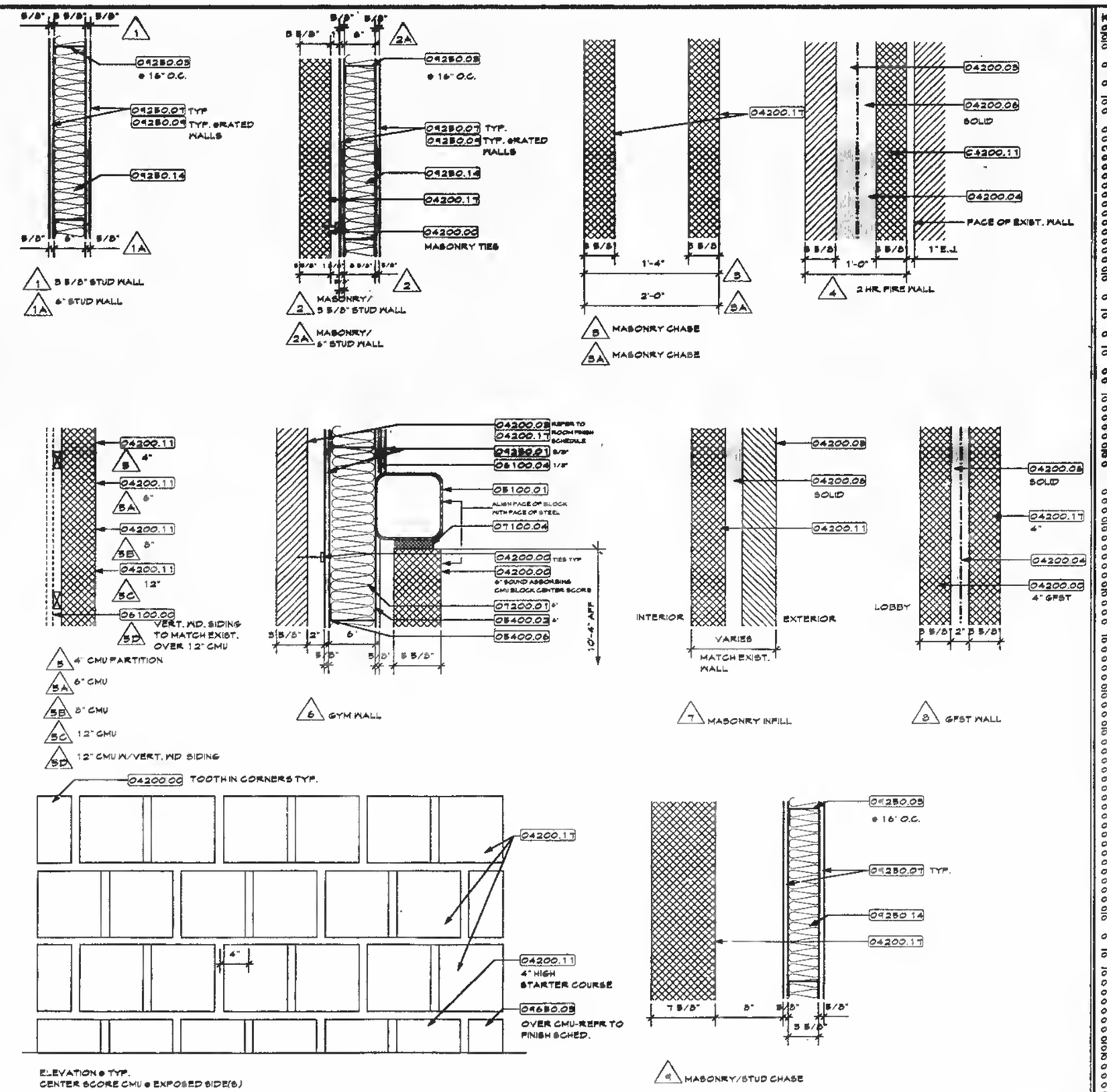
A7.1

ROOM FINISH SCHEDULE

Room No.	Room Name	Floor Mat'l	Floor Fin.	Base Mat'l	Base Fin.	Walls North Mat'l	North Fin.	East Mat'l	East Fin.	South Mat'l	South Fin.	West Mat'l	West Fin.	Ceiling Mat'l	Ceiling Fin.	Height	Notes Remarks
A001	CLASSROOM	CPT/VCT		VINYL		CMU	PAINT	ETR	PAINT	CMU/ETR	PAINT	CMU	PAINT	ACT		8'-6"	7,11
A002	CLASSROOM	CPT/VCT		VINYL		CMU	PAINT	CMU	PAINT	CMU/ETR	PAINT	ETR	PAINT	ACT		8'-6"	7,11
A003	CLASSROOM	CPT/VCT		VINYL		CMU	PAINT	ETR	PAINT	CMU	PAINT	CMU/ETR	PAINT	ACT		8'-6"	7,11,16
A004	CLASSROOM	VCT/ETR		VINYL/ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	GWB/ETR	PAINT/ETR	VARIES	7,10,11,12,13,15,16
A005	CLASSROOM	VCT/ETR		VINYL/ETR		ETR	ETR	ETR	ETR	CMU	PAINT	ETR	PAINT	ACT		8'-6"	7,11,13,15,16
A006	CLASSROOM	VCT/ETR		VINYL/ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	GWB/ETR	PAINT/ETR	VARIES	7,10,11,12,13,15,16
A007	CLASSROOM	VCT/ETR		VINYL/ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	GWB/ETR	PAINT/ETR	VARIES	7,10,11,12,13,15,16
A008	CLASSROOM	VCT/ETR		VINYL/ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	GWB/ETR	PAINT/ETR	VARIES	7,10,11,12,13,15,16
A009	EXTENDED DAY ROOM	VCT/ETR		VINYL/ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	GWB/ETR	PAINT/ETR	VARIES	7,10,11,12,13,15,16
A010	BOY'S TOILET	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			11,12,13,15,19,
A011	JAN. CLOS.	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			11,13
A012	GIRL'S TOILET	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			11,12,13,15,19
A013	STORAGE	VCT		VINYL		ETR	ETR	ETR	ETR	CMU	ETR	ETR	ETR	ACT		8'-6"	7,11,13
A101	CORRIDOR	ETR		ETR		CMU/ETR	PAINT/ETR	CMU/ETR	PAINT/ETR	CMU/ETR	PAINT/ETR	CMU/ETR	PAINT/ETR	ACT/GWB	PAINT/GWB		4,9,10,11,13,19
B001	LOBBY	VCT		VINYL		BRICK	EXP.	GLASS/MTL		BRICK/CMU	EXP/PAINT	GPST	EXP.	EXP.	PAINT		1,2,5,17,18
B002	GYM/PLAYROOM	CSGF				CMU/GWB	PAINT	CMU/GWB	PAINT	CMU/GWB	PAINT	CMU/GWB	PAINT	EXP.	PAINT	VARIES	1,2,5,17,19
B003	GYM/STORAGE	CONC.	PAINT	VINYL		CMU	PAINT	CMU	PAINT	CMU	PAINT	CMU	PAINT	EXP.	PAINT	VARIES	1,2,17
B004	ELECTRICAL ROOM	CONC.	PAINT	VINYL		CMU/GWB	PAINT	CMU	PAINT	CMU	PAINT	CMU	PAINT	EXP.	PAINT	VARIES	1,2,17
B005	KINDERGARTEN	CPT/VCT		VINYL		GWB	PAINT	GWB	PAINT	GWB	PAINT	GWB	PAINT	EXP.	PAINT	VARIES	1,2,6
B006	TOILET	SHT VINYL		SHT VINYL		CMU	PAINT	CMU	PAINT	CMU	PAINT	CMU	PAINT	ACT			17,19
B007	TOILET	SHT VINYL		SHT VINYL		CMU	PAINT	CMU	PAINT	CMU	PAINT	CMU	PAINT	ACT			17,19
B008	KINDERGARTEN	CPT/VCT		VINYL		GWB	PAINT	GWB	PAINT	GWB	PAINT	GWB	PAINT	EXP.	PAINT	VARIES	1,2,6
B009	KINDERGARTEN	CPT/VCT		VINYL		GWB	PAINT	GWB	PAINT	GWB	PAINT	GWB	PAINT	EXP.	PAINT	VARIES	1,2,6
B010	TOILET	SHT VINYL		SHT VINYL		CMU	PAINT	CMU	PAINT	CMU	PAINT	CMU	PAINT	ACT			17,19
B011	TOILET	SHT VINYL		SHT VINYL		CMU	PAINT	CMU	PAINT	CMU	PAINT	CMU	PAINT	ACT			17,19
B012	KINDERGARTEN	CPT/VCT		VINYL		GWB	PAINT	GWB	PAINT	GWB	PAINT	GWB	PAINT	EXP.	PAINT	VARIES	1,2,6
B013	TOILET	SHT VINYL		SHT VINYL		CMU	PAINT	CMU	PAINT	CMU	PAINT	CMU	PAINT	ACT			17,19
B014	TOILET	SHT VINYL		SHT VINYL		CMU	PAINT	CMU	PAINT	CMU	PAINT	CMU	PAINT	ACT			17,19
B015	STORAGE	CON.	PAINT			CMU	PAINT	CMU	PAINT	CMU	PAINT	CMU	PAINT	EXP.	PAINT	VARIES	1,2,17
E101	COMMON AREA	VCT		VINYL		CMU	PAINT	CMU	PAINT	CMU	PAINT	CMU	PAINT	EXP.ACT	PAINT/GWB	VARIES	1,2,4,5,9,10,17,18,19
E016	ELECTRICAL ROOM	CONC.	PAINT			CMU/EXP	PAINT	CMU/EXP	PAINT	CMU/GWB	PAINT	CMU/EXP.	PAINT	EXP.	PAINT		
E017	VESTIBULE																

Room No.	Room Name	Floor Mat'l	Floor Fin.	Base Mat'l	Base Fin.	Walls North Mat'l	North Fin.	East Mat'l	East Fin.	South Mat'l	South Fin.	West Mat'l	West Fin.	Ceiling Mat'l	Ceiling Fin.	Height	Notes Remarks
B001	ELEC. RM.	ETR		ETR		ETR	ETR	GWB	PAINT	ETR	ETR	ETR	ETR	ETR			11,13
B002	ELEC. ROOM	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	GWB/ETR	PAINT	ETR			11,13
B003	SPEC. ED. OFFICE	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			7,11,12,13,14,15
B004	TEST ROOM	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETER	ETR			7,11,12,13,14,15
B005	JAN. ROOM	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			11,13
B006	BOILER ROOM	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			11
B007	MUSIC ROOM	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			7,11,13,12,13,15
B008	HEALTH OFFICE	VCT/ETR		VINYL		ETR	PAINT	ETR	PAINT	ETR	PAINT	CMU/ETR	PAINT	ACT			6,11,14
B009	TOILET	SHT VINYL		SHT VINYL		ETR	ETR	CMU	PAINT	CMU	PAINT	CMU	PAINT	ACT			19
B010	GUIDANCE	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			7,7,11,12,13,14,15
B011	OFFICE	ETR		ETR		ETR	ETR	ETR	STR	ETR	ETR	ETR	ETR	ETR			7,11,12,13,14,15
B012	TUTORIAL	CARPET		VINYL		ETR	PAINT	ETR	PAINT	ETR	PAINT	ETR	PAINT	ACT			11
B013	TEACHER'S WORKRM.	VCT		VINYL		CMU/ETR	PAINT	CMU/ETR	PAINT	CMU/ETR	PAINT	CMU/ETR	PAINT	ACT			6,11
B014	TOILET	SHT VINYL		SHT VINYL		ETR	PAINT	ETR	PAINT	ETR	PAINT	CMU	PAINT	ACT			11,19
B015	TOILET	SHT VINYL		SHT VINYL		ETR	PAINT	CMU	PAINT	ETR	PAINT	CMU/ETR	PAINT	ACT			11,19
B016	DINING HALL	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			7,11,13
B017	STORAGE	ETR		ETR		CMU	ETR	ETR	STR	ETR	ETR	ETR	ETR	ETR			11,13
B018	KITCHEN	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ACT			11,13,19,20
B019	STORAGE	ETR		ETR		ETR	PAINT	ETR	ETR	ETR	ETR	CMU	PAINT	ETR			11,13
B020	TOILET	SHT VINYL		VINYL		ETR	PAINT	CMU	PAINT	CMU	PAINT	ETR	PAINT	ETR			11,19
B021	PHYS. ED. ROOM	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			11,13
B022	GYM/ASSEMBLY	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			4,7,9,11,13,19
B023	STORAGE	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			7,11,13
B024	LOBBY	ETR		VINYL/ETR		ETR	ETR	ETR	ETR	CMU/ETR	PAINT/ETR	ETR	ETR	ETR			11
B027	ADMINISTRATION	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			11,13,15
B028	STORAGE	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			11
B029	STORAGE	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			11
B030	OFFICE	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	CMU/ETR	PAINT/ETR	ACT			11,13,15
B031	COPY ROOM	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ACT			11,13
B032	STORAGE	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			11,13
B033	HEAT. END WORKROOM	CARPET		VINYL		ETR	PAINT	CMU/ETR	PAINT	GWB	PAINT	GWB	PAINT	ACT			11
B034	COMPUTER ROOM	CARPET		VINYL		GWB/ETR	PAINT	GWB/CMU	PAINT	GWB	PAINT	ETR	PAINT	ACT			6,11
B035	GIRL'S TOILET	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			1,13,19
B036	BOY'S TOILET	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			11,13,19
B037	JAN.CLOS.	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			11
B101	CORRIDOR	VCT/ETR		VINYL/ETR		CMU/ETR	PAINT/ETR	ETR	ETR	ETR	ETR	ETR	ETR	ACT/ETR			10,11,13
B102	CORRIDOR	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ACT/GWB	PAINT/GWB		10,11,13,19
B103	CORRIDOR	ETR		ETR		ETR	CMU/ETR	PAINT/ETR	ETR	ETR	ETR	ETR	ETR	ACT			11,13,19
B104	CORRIDOR	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ACT			11,13,19
B105	CORRIDOR	VCT/ETR		VINYL/ETR		CMU/ETR	PAINT	PAINT	ETR	ETR	ETR	ETR	ETR	ACT/GWB	PAINT/GWB		10,11,13,19
C015	TOILET	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			11
D101	CORRIDOR	CPT/ETR		VINYL/ETR		ETR	ETR	ETR	ETR	CMU/ETR	EXP./ETR	ETR	ETR	ETR			1,2,11,13,15,17

Room No.	Room Name	Floor Mat'l	Floor Fin.	Base Mat'l	Base Fin.	Walls North Mat'l	North Fin.	East Mat'l	East Fin.	South Mat'l	South Fin.	West Mat'l	West Fin.	Ceiling Mat'l	Ceiling Fin.	Height	Notes Remarks
C001	[illegible] ROOM	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	GWB/ETTR	PAINT/ETR	VARIES	7,10,11,12,13,15
C002	CLASSROOM	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	GWB/ETR	PAINT/ETR	VARIES	7,10,11,12,13,15,21
C003	ART ROOM	VCT		VINYL		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	GWB/ETR	PAINT/ETR	VARIES	7,10,11,12,13,21
C004	CLASSROOM	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	GWB/ETR	PAINT/ETR	VARIES	7,10,11,12,13,15,21
C005	HEALTHFIRST CONCEPT	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	GWB/ETR	PAINT/ETR	VARIES	7,10,11,12,13,15,21
C006	CLASSROOM	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	GWB/ETR	PAINT/ETR	VARIES	7,10,11,12,13,15,21
C007	CLASSROOM	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	GWB/ETR	PAINT/ETR	VARIES	7,10,11,12,13,15,21
C008	COLLAB. CLASSROOM	CPT/VCT		VINYL		CMU	PAINT	ETR	ETR	ETR	ETR	ETR	ETR	ACT			7,10,11,13,21
C009	BOY'S TOILET	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			11,12,13,19
C010	CONFERENCE ROOM	CPT		VINYL		ETR	ETR	ETR	ETR	CMU	ETR	ETR	ETR	ACT			6,11,13,14
C011	GIRL'S TOILET	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			11,12,13,19
C012	PRINCIPAL'S OFFICE	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			7,11,12,13,14,15
C013	[illegible]	ETR		ETR		ETR	TETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			11,13
C014	[illegible]	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			11,13
C101	[illegible]	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ACT/GWB	PAINT/GWB	EXIST	10,11,13,19
D001	[illegible]	CPT/ETR		VINYL/ETR		GWB/CMU	PAINT/EXP	CMU/ETR	EXP/ETR	GWB	PAINT	ETR	ETR	ETR	PAINT/GWB		1,7,9,10,11,13,15 *AT STAIRS BY ELEV
D002	CLASSROOM	VCT/ETR		VINYL/ETR		GWB	PAINT	ETR	ETR	GWB/ETR	PAINT	GWB	PAINT	ETR			1,7,11,13,15,17
D003	CLASSROOM	VCT/ETR		VINYL/ETR		GWB	PAINT	GWB	PAINT	GWB/ETR	PAINT	GWB	PAINT	ETR	PAINT		1,7,11,13,15,17
D004	CLASSROOM	VCT/ETR		VINYL/ETR		GWB	PAINT	GWB	APINT	GWB/ETR	PAINT	ETR	ETR	ETR			1,7,11,13,15,17
D005	CLASSROOM	VCT/ETR		VINYL/ETR		GWB/ETR	PAINT	ETR	ETR	GWB	PAINT	GWB	PAINT	ETR			1,7,11,13,15,17
D006	CLASSROOM	VCT/ETR		VINYL/ETR		GWB/ETR	PAINT	GWB	PAINT	GWB	PAINT	GWB	PAINT	ETR			1,7,11,13,15,17
D007	CLASSROOM	VCT/ETR		VINYL/ETR		GWB/ETR	PAINT	GWB	PAINT	GWB	PAINT	ETR	ETR	ETR			1,7,11,13,15,17
D008	CLASSROOM	VCT/ETR		VINYL/ETR		GWB/ETR	PAINT	ETR	ETR	GWB	PAINT	GWB	PAINT	ETR			1,7,11,13,15,17
D009	STORAGE	ETR		ETR		ETR	ETR	ETR	ETR	DOORS	PAINT	ETR	ETR	ETR			1,11,13,15,17
D009	CLASSROOM	VCT/ETR		VINYL/ETR		GWB/ETR	PAINT	GWB	PAINT	GWB	PAINT	GW3	PAINT	ETR			1,7,11,13,15,17
D010	STORAGE	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			1,11,13,15,17
D010	CLASSROOM	VCT/ETR		VINYL/ETR		GWB/ETR	PAINT	GWB	PAINT	GWB	PAINT	GWB	PAINT	ETR			1,7,11,13,15,17
D011	STORAGE	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			1,11,13,15,17
D012	TOILET	SHT VINYL		SHT VINYL		CMU	PAINT	CMU	PAINT	CMU	PAINT	CMU	PAINT	ACT			11,17,19
D013	ELEV. MACHEROOM	CONC.	PAINT	VINYL		CMU	EXP.	CMU	EXP.	CMU	EXP	CMU	EXP	GWB	PAINT		1,2,17
D014	STORAGE	ETR		ETR		ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			1,11,13,15,17
D015	STORAGE	CONC.	PAINT	VINYL		CMU	EXP	CMU	EXP.	CMU	EXP	CMU	EXP	EXP.	PAINT		1,2,15,17



GENERAL NOTES:

A INDICATES ACOUSTICAL INSULATION

B EXTEND ALL PARTITIONS TO UNDERSIDE OF DECK

C ONE MARK INDICATES A ONE HOUR UL ASSEMBLY. TWO MARKS INDICATES A A TWO HOUR RATED ASSEMBLY

D CENTER SCORE CMU @ EXPOSED SURFACES IN BLOCK "E", & TO MATCH EXISTING IN BLOCK "D" & "B". OTHER CMU TO BE STANDARD FINISH CMU-TO MATCH EXIST. ADJACENT WALL FINISH, TYP. EXCEPT AS NOTED

E INFILL EXIST. MASONRY WALLS TO MATCH EXIST. WIDTH & FINISH, TYP.

F EXIST. MATERIAL INDICATED TO REMAIN, SHALL REMAIN AS IS EXCEPT WHEN ALTERED DUE TO DEMOLITION OR NEW CONSTRUCTION.

G PATCH ALL HOLES IN EXIST. WALLS, FLOORS, AND CEILINGS CREATED BY THE REMOVAL OF EXIST. ITEMS SUCH AS INDICATED ON THE ARCHITECTURAL DEMOLITION DRAWINGS, PLUMBING, MECHANICAL, ELECTRICAL AND STRUCTURAL DRAWINGS. PATCHING SHALL MATCH ADJACENT FINISH.

FINISH SCHEDULE COMMENTS:

1. EXPOSED STRUCTURE W/HPS COATING
2. EXPOSED METAL DECK W/HPS COATING
3. RUBBER STAIR TREADS AND RISERS.
4. RUBBER TILE @ RAMP AND LANDINGS.
5. SEE REFLECTED CEILING PLAN
6. SHADE(S) @ EXTERIOR WINDOWS.
7. ADD ALTERNATE SHADES @ EXTERIOR WINDOWS. REMOVE EXIST. SHADES AT AFFECTED AREAS. REFER TO ADD ALTERNATES 3,4, AND 5.
8. NOT USED
9. PAINTED METAL STAIR/RAMP HANDRAILS & STRINGERS.
10. PAINTED GWB SOFFIT-REFER TO REFLECTED CLG. PLAN.
11. EXIST. MATERIAL INDICATED TO REMAIN SHALL REMAIN AS IS UNLESS DETAILED OTHERWISE, REPAIR, PATCH AND FINISH TO MATCH.
12. ADD ALTERNATE, NEW ACOUSTICAL TILE CEILING. REFER TO ADD ALTERNATES 3,4, & 5 AND REFER TO CEILING PLANS.
13. ADD ALTERNATE, PAINT EXISTING WALLS AND OTHER PAINTED SURFACES NOT INDICATED TO BE PAINTED UNDER BASE BID. REFER TO ADD ALTERNATES 3 & 7.
14. MATCH CEILING HEIGHT TO WINDOW HEAD-VERIFY CEILING HEIGHT.
15. ADD ALTERNATE, NEW CARPET FLOOR & VINYL BASE-REFER TO ALTERNATE 3,4 & 5.
16. PAINT GWB CHASE(S).
17. CENTER SCORE CMU @ EXPOSED SURFACES.
18. RECESSED ENTRY MAT-REFER TO PLAN.
19. HP2-HIGH PERFORMANCE COATING FOR MASONRY.
20. WASHABLE CEILING TILE.
21. 4'-0" DEEP X WIDTH OF EXIST. CASEWORK VIF-NEW VCT-REMOVE EXIST CARPET-INSTALLATION OF VCT SIMILAR TO BLOCK "A" CLASSROOMS ADD ALTERNATE #4.

ADD ALTERNATES:

ADD ALTERNATE #1 BASEBOARD FIN TUBE HEAT WITH CASEWORK @ 4 IMC CLASSROOMS, BLOCK "D"

ADD ALTERNATE #2 FULL SIZED GYM

ADD ALTERNATE #3 FINISHES (NEW CEILINGS/CARPET/WINDOW TREATMENT @ BLOCK "A")

ADD ALTERNATE #4 FINISHES (NEW CEILINGS/ CARPET/WINDOW TREATMENT @ BLOCK "C")

ADD ALTERNATE #5 FINISHES (NEW CEILINGS/CARPET/WINDOW TREATMENT @ BLOCK "B" & "D")

ADD ALTERNATE #6 FINISHES (NEW PAINT) @ BLOCK "A" & "C"

ADD ALTERNATE #7 FINISHES (NEW PAINT) @ BLOCK "B" & "D"

ADD ALTERNATE #8 CANOPY @ NEW ENTRANCE

KEYNOTES

- 03800.00 Earthworks
- 03900.00 Demolition
- 03800.01 Concrete - Refer to Structural Drawings
- 03800.02 Concrete foundation/footing - Refer to Structural Drawings
- 03800.03 Concrete slab on grade - Refer to Structural Drawings
- 04200.01 Masonry veneer wall construction
- 04200.02 Load bearing masonry wall construction
- 04200.03 Face Brick
- 04200.04 Reinforcing
- 04200.05 Flashing
- 04200.06 Grout
- 04200.07 Control joint
- 04200.08 Weepholes
- 04200.09 2" Rigid insulation
- 04200.10 Thru wall flashing
- 04200.11 CMU
- 04200.12 Precast Concrete
- 04200.13 Split Rib CMU
- 04200.14 Ground Face CMU
- 04200.15 Keep Micks
- 04200.16 Sound Block CMU
- 04200.17 Center Scored CMU
- 04200.18 Glass Block
- 08100.01 Structural steel - Refer to Structural Drawings
- 08100.02 Steel beam/column - Refer to Structural Drawings
- 08200.01 Steel joists - Refer to Structural Drawings
- 08200.02 Joist seat - Height varies - Refer to Structural Drawings
- 08900.01 Metal decking - Refer to Structural Drawings
- 08900.02 Floor steps/slab closure
- 08900.03 Patch roof deck - refer to structural drawings
- 09400.01 Cold formed metal framing system
- 09400.02 Metal stud(s)
- 09400.03 Track
- 09400.04 Deflection track
- 09400.05 Channel bridging
- 09400.06 Exterior gypsum sheathing
- 09800.01 Miscellaneous metal materials
- 09800.02 Galvanized loose lintels - Refer to Loose Lintel Schedule on Structural Drawings
- 09800.03 Steel handrail assembly
- 09800.04 Steel guardrail assembly
- 09800.05 Steel pan stair assembly
- 09800.06 Security Screens
- 06100.01 Pressure treated wood blocking
- 06100.02 Wood blocking
- 06100.03 Pressure treated plywood
- 06100.04 Plywood
- 06100.05 Pressure treated wood framing
- 06100.06 Wood framing
- 06100.07 Hanger
- 06200.01 Hardwood trim, stain finish
- 06200.02 Softwood trim, paint finish
- 06200.03 Veneer plywood
- 06200.04 Vertical T & G Cedar Siding to match existing
- 07100.01 Exterior sealant
- 07100.02 Interior sealant
- 07100.03 Exterior sealant and backer rod
- 07100.04 Interior sealant and backer rod
- 07100.05 Dampproofing
- 07100.06 Backer rod
- 07200.01 Fiberglass batt insulation
- 07200.02 Rigid insulation
- 07200.03 Fire sealing insulation
- 07200.04 Vapor Barrier
- 07800.01 Modified Bitumen roofing system
- 07800.02 Flashing
- 07800.03 Roof edge fascia/gravel stop
- 07800.04 Metal hook strip/clips
- 07800.05 Rigid insulation
- 07800.06 Tapered rigid insulation
- 07800.07 Pre-formed metal
- 07800.08 Gutters
- 07800.09 EPDM
- 07800.10 Not used
- 07800.11 Brake metal
- 07800.12 Metal fascia
- 07800.13 Lead coated flashing
- 07800.14 Downspouts
- 07800.15 Splash Blocks
- 07800.16 Crickets (1/4" slope)
- 07800.17 Expansion joints
- 07800.18 Scupper
- 07800.19 Termination Bar
- 07800.21 Skylight
- 08110.01 Hollow metal frame - Refer to Door Schedule
- 08110.02 Hollow metal door - Refer to door schedule
- 08210.01 Wood door - Refer to Door Schedule
- 08800.01 Aluminum window(s)
- 08800.02 Anchor clip
- 08800.03 Insect screen
- 08800.04 Sealant
- 08800.05 Alum. insulated panel
- 08800.06 Curtain wall
- 08800.07 Alum. panning
- 08800.08 Sealant
- 08110.00 Finish Hardware
- 08820.01 Plate glass
- 08800.02 Tempered glass
- 08800.03 Fire glass
- 08800.04 Laminated glass
- 08800.05 Insulating glass
- 08400.00 Curtain wall
- 09200.01 Lathe & Plaster
- 09280.01 Gypsum board wall construction
- 09280.02 Gypsum board ceiling construction
- 09280.03 Metal stud(s)
- 09280.04 Metal stud track
- 09280.05 Furring channel
- 09280.06 Cold rolled channel
- 09280.07 Gypsum wall board
- 09280.08 Moisture-resistant gypsum board
- 09280.09 Fire-resistant gypsum board
- 09280.10 Control joints
- 09280.11 Corner bead
- 09280.12 Casing bead
- 09280.13 Deflection track
- 09280.14 Acoustical insulation
- 09280.15 Cond. board
- 09280.16 1" Shaft Liner
- 09300.01 Ceramic wall tile
- 09300.02 Ceramic floor tile
- 09300.03 Ceramic tile base
- 09400.00 Patch Terrazzo
- 09800.01 Acoustic tile/panel ceiling system
- 09800.02 Pre-finished metal suspension system
- 09800.03 Pre-finished metal trim
- 09800.04 1 x 1 ACT Panels adhered
- 09680.01 Vinyl composition tile
- 09680.02 Sheet flooring
- 09680.03 Vinyl base
- 09680.04 One piece rubber stair tread and riser
- 09680.05 Rubber flooring - seamless
- 09680.01 Carpeting
- 09700.01 Composite synthetic gym flooring
- 10100.01 Chalkboards, markerboards back-boards
- 10160.01 Compartments & cubicles
- 10200.01 Louvers & vents
- 10400.01 Identifying devices
- 10500.01 Toilet paper dispenser - TPD
- 10500.02 Sanitary napkin receptacle - SNR
- 10500.03 Sanitary napkin/tampon dispenser - SND
- 10500.04 Paper towel dispenser/receptacle PTD/R
- 10500.05 8-48" Mounted grab bar - GB
- 10500.06 Wall mounted soap dispenser - WSD
- 10800.01 Not used
- 10800.02 Mirror with stainless steel frame
- 10800.04 Mop rack/shelf assembly
- 10440.01 Fire extinguisher
- 10440.02 Fire extinguisher and cabinet
- 10440.03 Expansion joints
- 11152.01 Projection screens
- 11420.01 Gymnasium equipment
- 12800.01 Fixed casework
- 12800.01 Window treatment
- 12640.01 Floor mats & frames
- 14200.01 Elevators
- 15400.01 Plumbing - Refer to Plumbing Drawings
- 15400.03 Drinking fountain/Electric water cooler: Handicapped accessible - Refer to Plumbing Drawings
- 15400.04 Water closet - Handicapped accessible - HCWC
- 15400.05 Water closet - WC
- 15400.06 Urinal - Handicapped accessible - HCUR
- 15400.07 Urinal - UR
- 15400.08 Lavatory
- 15400.09 Lavatory - Handicapped accessible
- 15400.10 Floor drain - Refer to Plumbing Drawings
- 15400.11 Roof drain - Refer to Plumbing Drawings
- 15500.01 Mechanical unit - Refer to HVAC Drawings
- 15500.02 Ductwork - Refer to HVAC Drawings
- 15500.03 HVAC piping - Refer to HVAC Drawings
- 15500.04 Fin tube radiation
- 16000.01 Electrical fixture - Refer to Electrical Drawings
- 16000.02 Exit sign - Refer to Electrical Drawings
- 16000.03 Clock refer to Electrical
- 16000.04 Speaker refer to Electrical
- 16160.01 Acoustical Ceiling

Stamp:

Revisions:

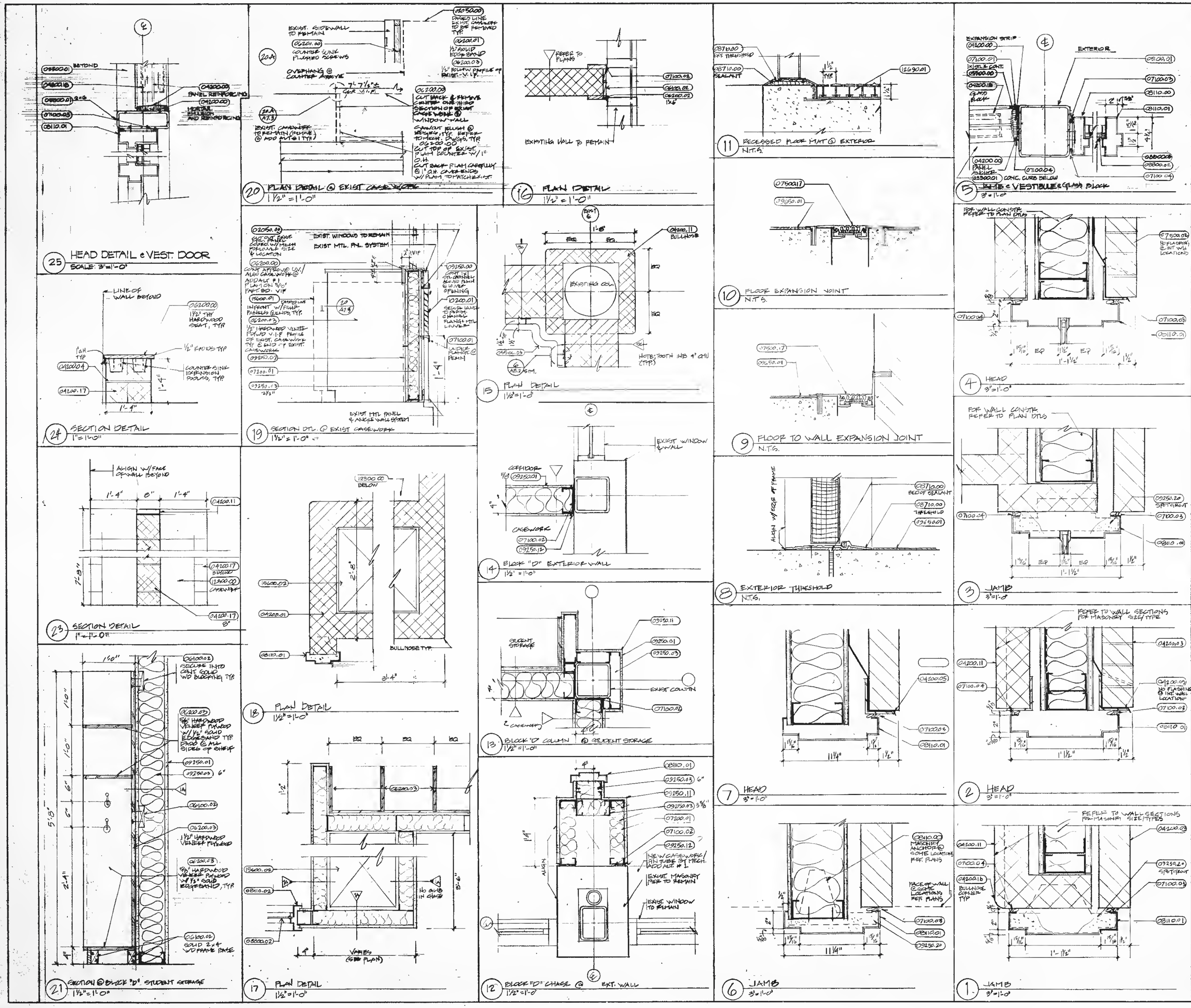
A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0100 Facsimile 617-451-3899

Addition and Alterations to the
Pine Hill School
Sherborn, Massachusetts

Room Finish Schedule Partition Types

Date: 3/20/97 Drawn By: SFW
Scale: Varies Job No.: 9606.0
Sheet:

A7.2



KEYNOTES

- 02300.00 Earthwork
- 02315.00 Excavation
- 03300.01 Concrete - Refer to Structural Drawings
- 03300.02 Concrete foundation/footing - Refer to Structural Drawings
- 03300.03 Concrete slab on grade - Refer to Structural Drawings
- 04200.01 Masonry veneer wall construction
- 04200.02 Load bearing masonry wall construction
- 04200.03 Face Brick
- 04200.04 Reinforcing
- 04200.05 Flashing
- 04200.06 Brick
- 04200.07 Control joint
- 04200.08 Reveals
- 04200.09 4" Rigid insulation
- 04200.10 Thru wall flashing
- 04200.11 CMU
- 04200.12 Precast Concrete
- 04200.13 Split Rib CMU
- 04200.14 Ground face CMU
- 04200.15 Keep Picks
- 04200.16 Scoffit Block CMU
- 04200.17 Center scored CMU
- 04200.18 Glass Block
- 05100.01 Structural steel - Refer to Structural Drawings
- 05100.02 Steel beam/column - Refer to Structural Drawings
- 05200.01 Steel joists - Refer to Structural Drawings
- 05200.02 Joist seat - Height varies - Refer to Structural Drawings
- 05300.01 Metal decking - Refer to Structural Drawings
- 05300.02 Floor slab/slab closure
- 05300.03 Patch roof deck - refer to structural drawings
- 05400.01 Cold formed metal framing system
- 05400.02 Metal studs
- 05400.03 Track
- 05400.04 Deflection track
- 05400.05 Channel bridging
- 05400.06 Exterior gypsum sheathing
- 05500.01 Miscellaneous metal materials
- 05500.02 Galvanized lookout brkts - Refer to Lookout Lintel Schedule on Structural Drawings
- 05500.03 Steel handrail assembly
- 05500.04 Steel guardrail assembly
- 05500.05 Steel pan stair assembly
- 05500.06 Security Screens
- 06100.01 Pressure treated wood blocking
- 06100.02 Wood blocking
- 06100.03 Pressure treated plywood
- 06100.04 Plywood
- 06100.05 Pressure treated wood framing
- 06100.06 Wood framing
- 06100.07 Hanger
- 06200.01 Hardwood trim stain finish
- 06200.02 Softwood trim paint finish
- 06200.03 Veneer plywood
- 06200.04 Vertical T & G Cedar Siding to match existing
- 07100.01 Exterior sealant
- 07100.02 Interior sealant
- 07100.03 Exterior sealant and backer rod
- 07100.04 Interior sealant and backer rod
- 07100.05 Sandproofing
- 07100.06 Backer rod
- 07200.01 Fiberglass batt insulation
- 07200.02 Rigid insulation
- 07200.03 Fire insulation
- 07200.04 Vapor Barrier
- 07500.01 Modified bitumen roofing system
- 07500.02 Flashing
- 07500.03 Roof edge fascia/gravel stop
- 07500.04 Metal hook strap/Clest
- 07500.05 Rigid insulation
- 07500.06 Tapered rigid insulation
- 07500.07 Preformed metal
- 07500.08 Gutters
- 07500.09 Snow
- 07500.10 Not used
- 07500.11 Brass metal
- 07500.12 Metal fascia
- 07500.13 Lead coated flashing
- 07500.14 Downspouts
- 07500.15 Splash Blocks
- 07500.16 Crickets (1/4" slope)
- 07500.17 Expans on Joint
- 07500.18 Scupper
- 07500.19 Termination Bar
- 07800.01 Skylight
- 08110.01 Hollow metal frame - Refer to Door Schedule
- 08110.02 Hollow metal door - Refer to door schedule
- 08210.01 Wood door - Refer to Door Schedule
- 08500.01 Aluminum window(s)
- 08500.02 Anchor clip
- 08500.03 Insect screen
- 08500.04 Sealant
- 08500.05 Alum. insulated panel
- 08500.06 Curtain wall
- 08500.07 Alum. panning
- 08500.08 Sealant
- 08710.00 Finish Hardware
- 08800.01 Plate glass
- 08800.02 Tempered glass
- 08800.03 Fire glass
- 08800.04 Laminated glass
- 08800.05 Insulating glass
- 08800.06 Curtain wall
- 09200.01 Lathe & Plaster
- 09250.01 Gypsum board wall construction
- 09250.02 Gypsum board ceiling construction
- 09250.03 Metal studs
- 09250.04 Metal stud track
- 09250.05 Furring channel
- 09250.06 Cold rolled channel
- 09250.07 Gypsum wall board
- 09250.08 Moisture-resistant gypsum board
- 09250.09 Fire-resistant gypsum board
- 09250.10 Control joint
- 09250.11 Corner bead
- 09250.12 Ceiling bead
- 09250.13 Deflection track
- 09250.14 Acoustical insulation
- 09250.15 Conc. board
- 09250.16 1" Shaft Liner
- 09300.01 Ceramic wall tile
- 09300.02 Ceramic floor tile
- 09300.03 Ceramic tile base
- 09400.00 Patch Terrazzo
- 09500.01 Acoustical tile/panel ceiling system
- 09500.02 Pre-finished metal suspension system
- 09500.03 Pre-finished metal trim
- 09500.04 1 x 1 ACT Panels adhered
- 09680.01 Vinyl composition tile
- 09680.02 Sheet flooring
- 09680.03 Vinyl base
- 09680.04 One piece rubber stair tread and riser
- 09680.05 Rubber flooring - seamless
- 09680.01 Carpeting
- 09700.01 Composite synthetic gym flooring
- 10100.01 Chalkboards, markerboards, tack-boards
- 10180.01 Compartments & cubicles
- 10200.01 Louvers & vents
- 10400.01 Identifying devices
- 10500.01 Toilet paper dispenser - TPD
- 10500.02 Sanitary napkin receptacle - SNR
- 10500.03 Sanitary napkin/tampon dispenser - SND
- 10500.04 Paper towel dispenser/receptacle - PTD/R
- 10500.05 5'-0" Knurled grab bar - GB
- 10500.06 Wall mounted soap dispenser - WSD
- 10500.07 Not used
- 10500.08 Mirror with stainless steel frame
- 10500.09 Mop rack/shelf assembly
- 10400.01 Fire extinguisher
- 10400.02 Fire extinguisher and cabinet
- 10400.03 Expansion joints
- 11100.01 Projection screens
- 11400.01 Gymnasium equipment
- 12800.01 Fixed casework
- 12500.01 Window treatment
- 12640.01 Floor mats & frames
- 14200.01 Elevators
- 15400.01 Plumbing - Refer to Plumbing Drawings
- 15400.03 Drinking fountain/Electric water cooler, Handicapped accessible - Refer to Plumbing Drawings
- 15400.04 Water closet - Handicapped accessible - HCWC
- 15400.05 Water closet - WC
- 15400.06 Urinal - Handicapped accessible - HCUR
- 15400.07 Urinal - UR
- 15400.08 Lavatory
- 15400.09 Lavatory - Handicapped accessible
- 15400.10 Floor drain - Refer to Plumbing Drawings
- 15400.11 Roof drain - Refer to Plumbing Drawings
- 15900.01 Mechanical unit - Refer to HVAC Drawings
- 15900.02 Ductwork - Refer to HVAC Drawings
- 15900.03 HVAC piping - Refer to HVAC Drawings
- 15900.04 Fin tube radiation
- 15000.01 Electrical fixture - Refer to Electrical Drawings
- 15000.02 Exit sign - Refer to Electrical Drawings
- 15000.03 Clock - refer to Electrical
- 15000.04 Speaker - refer to Electrical
- 15400.00 Technology Outlets

Stamp:

Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Additions and Alterations to the Pine Hill School

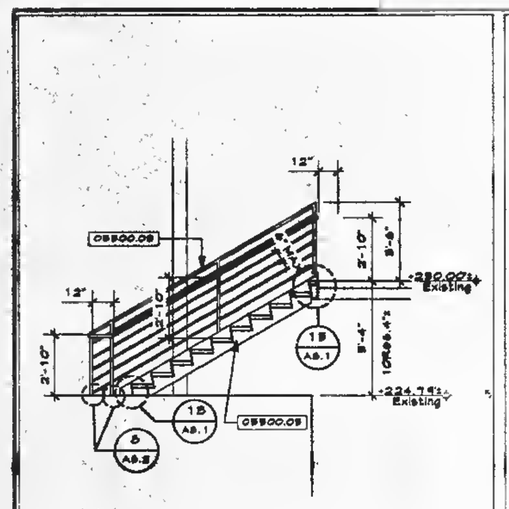
Sherborn, Massachusetts

Title: Door / Plan Details

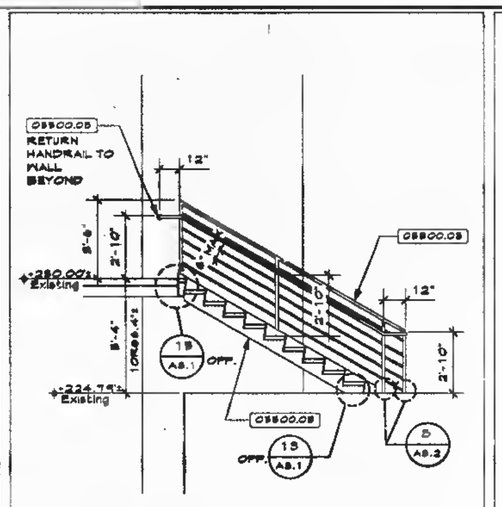
Date: 3/20/97 Drawn By: SW

Scale: As Noted Job No.: 9606.00

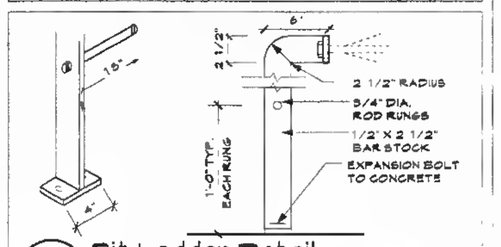
Sheet: A7.3



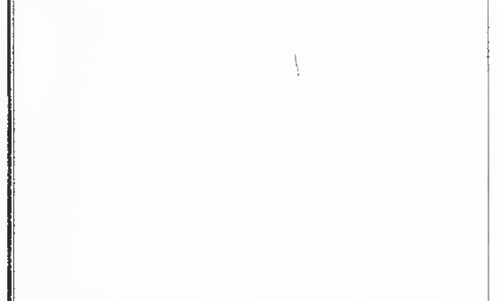
16 A8.1 **Stair Elevation** 1/4"=1'-0"



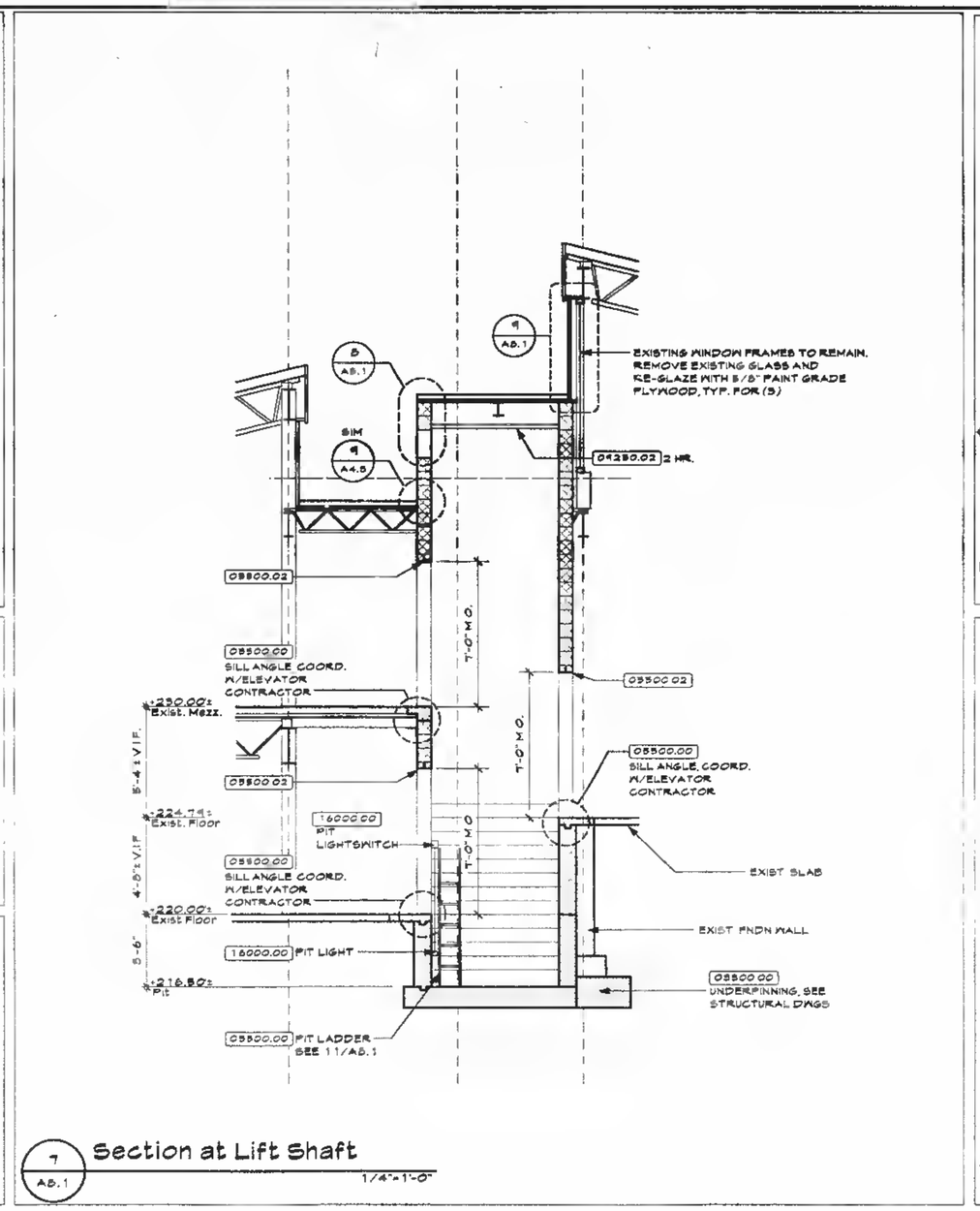
12 A8.1 **Stair Elevation** 1/4"=1'-0"



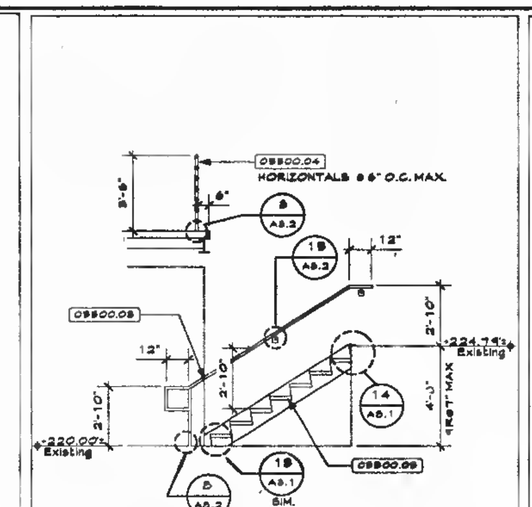
11 A8.1 **Pit Ladder Detail** 1 1/2"=1'-0"



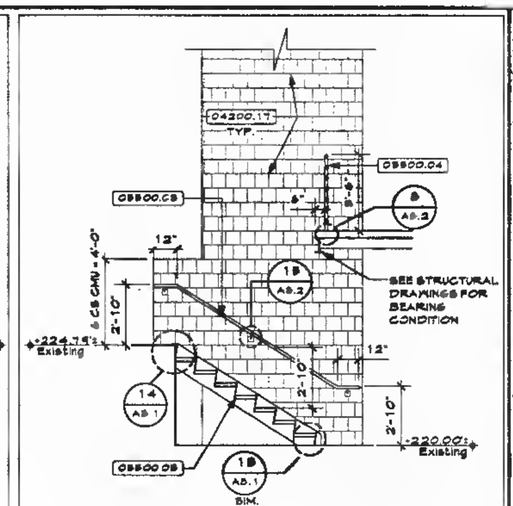
10 A8.1 **Window Infill Return** 1 1/2"=1'-0"



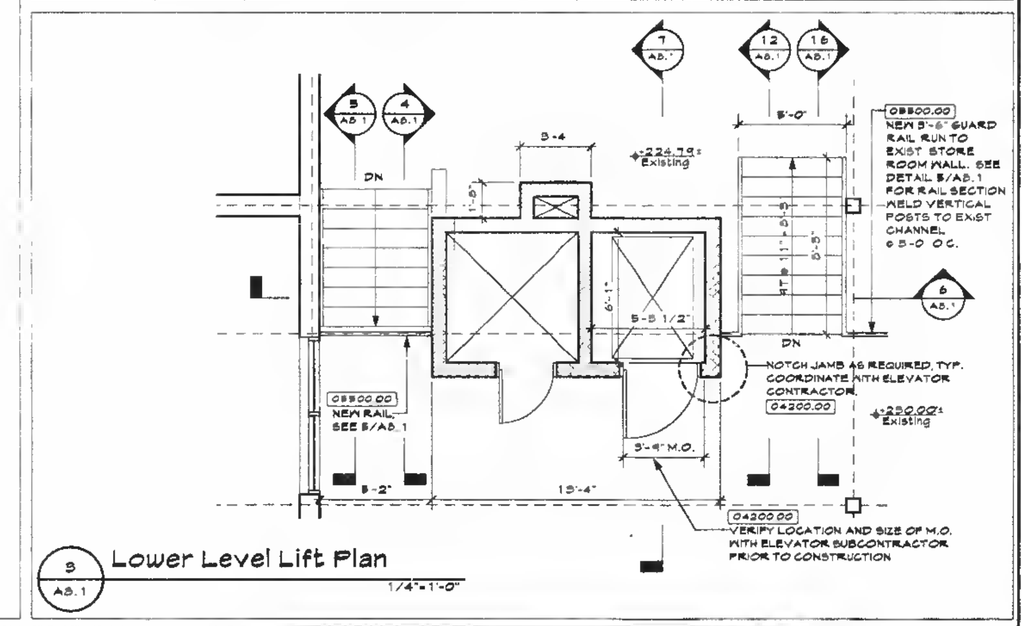
7 A8.1 **Section at Lift Shaft** 1/4"=1'-0"



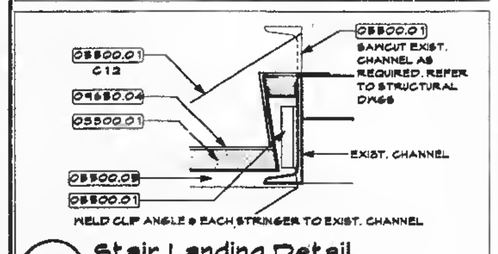
5 A8.1 **Stair Elevation** 1/4"=1'-0"



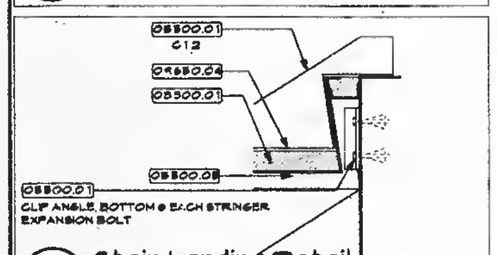
4 A8.1 **Stair Elevation** 1/4"=1'-0"



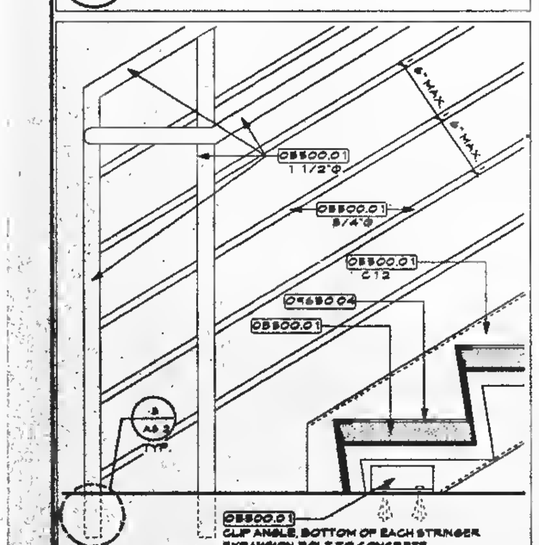
3 A8.1 **Lower Level Lift Plan** 1/4"=1'-0"



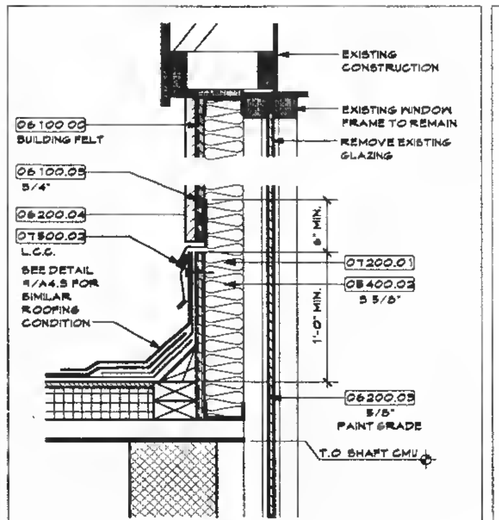
19 A8.1 **Stair Landing Detail** 1 1/2"=1'-0"



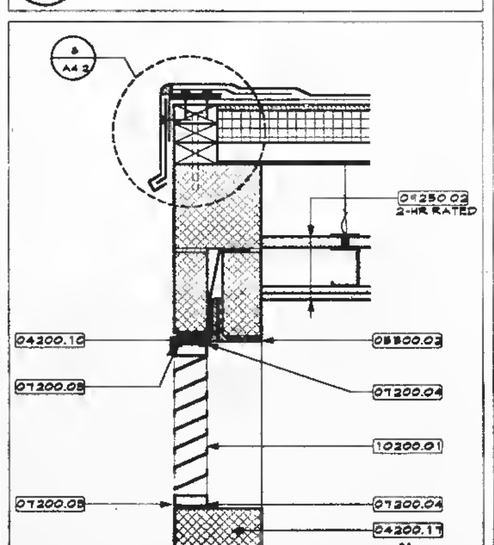
14 A8.1 **Stair Landing Detail** 1 1/2"=1'-0"



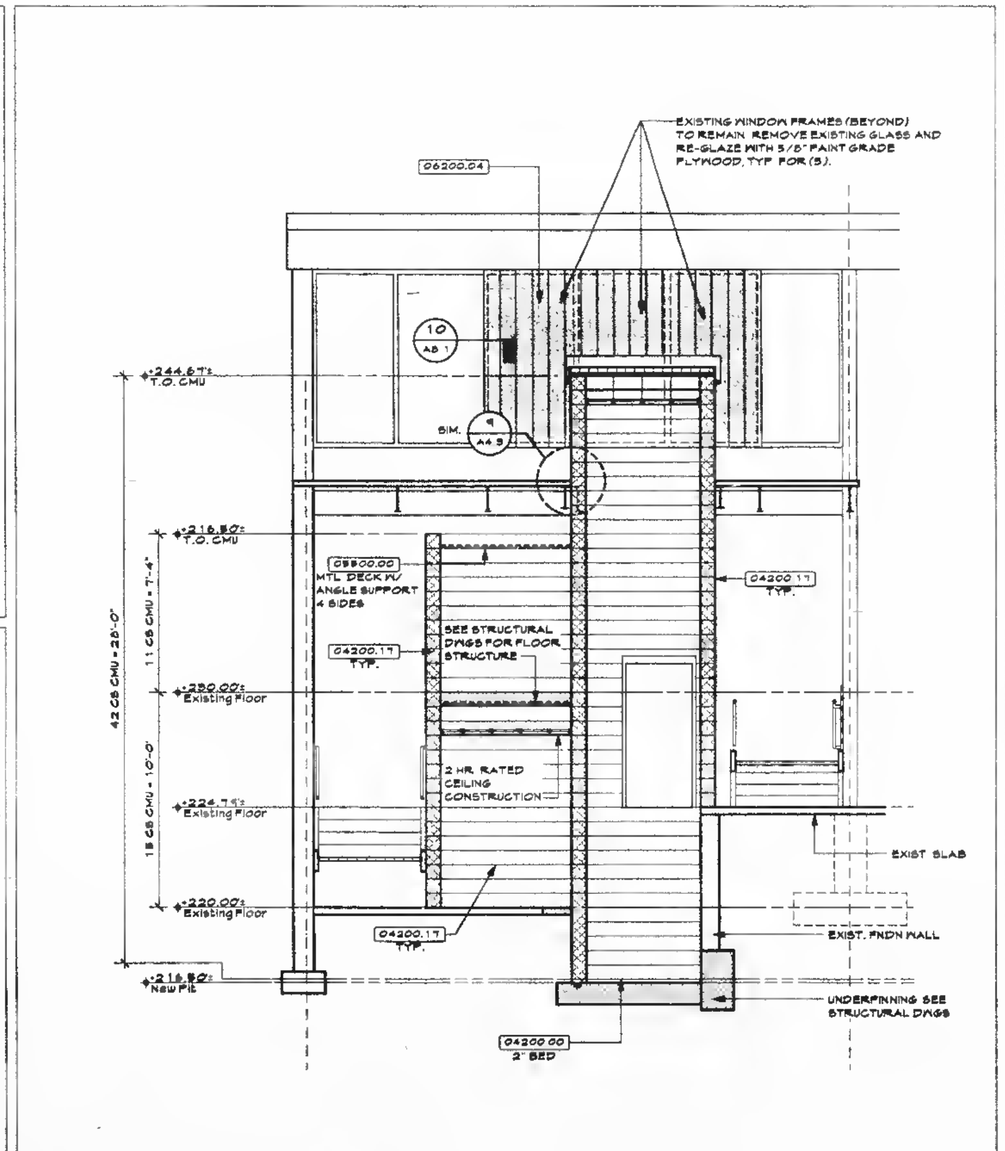
18 A8.1 **Stair Foot Detail** 1 1/2"=1'-0"



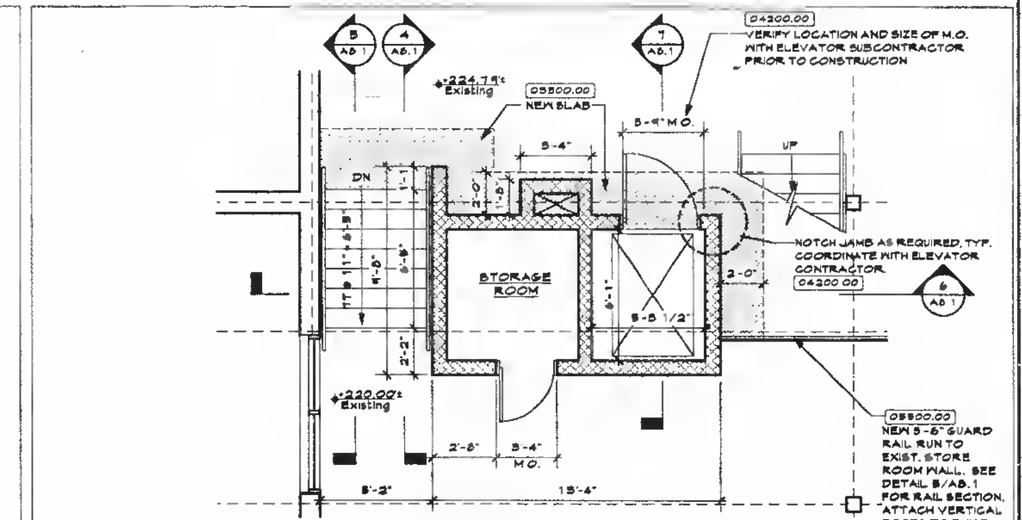
9 A8.1 **Window Infill Detail** 1 1/2"=1'-0"



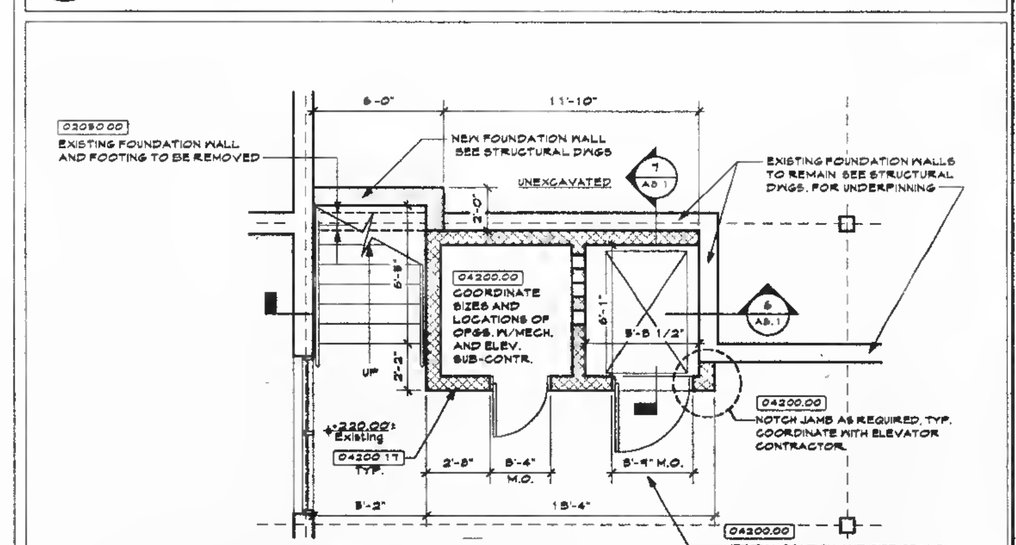
8 A8.1 **Louver/Roof Edge Detail** 1 1/2"=1'-0"



6 A8.1 **Section at Lift Shaft** 1/4"=1'-0"



2 A8.1 **Lower Level Lift Plan** 1/4"=1'-0"



1 A8.1 **Lower Level Lift Plan** 1/4"=1'-0"

KEYNOTES

02200.00	Earthworks
02250.00	Demolition
03900.01	Concrete - Refer to Structural Drawings
03900.02	Concrete foundation/footing - Refer to Structural Drawings
03900.03	Concrete slab on grade - Refer to Structural Drawings
04200.01	Masonry veneer wall construction
04200.02	Load bearing masonry wall construction
04200.03	Face Brick
04200.04	Reinforcing
04200.05	Flashing
04200.06	Grout
04200.07	Control joint
04200.08	Pressure
04200.09	2" Rigid insulation
04200.10	Thru wall flashing
04200.11	CMU
04200.12	Precast Concrete
04200.13	Split Rib CMU
04200.14	Ground face CMU
04200.15	Keep Ricks
04200.16	Bond Block CMU
04200.17	Center Scored CMU
04200.18	Slope Block
05100.01	Structural Steel - Refer to Structural Drawings
05100.02	Steel beam/column - Refer to Structural Drawings
05200.01	Steel joists - Refer to Structural Drawings
05200.02	Joist seat - Height varies - Refer to Structural Drawings
05500.01	Metal decking - Refer to Structural Drawings
05500.02	Pour stop/slab closure
05500.05	Patch roof deck - refer to structural drawings
05400.01	Cold formed metal framing system
05400.02	Metal stud(s)
05400.03	Track
05400.04	Deflection track
05400.05	Channel bridging
05400.06	Exterior gypsum sheathing
05500.01	Miscellaneous metal materials
05500.02	Ornamental loose finials - Refer to Loose Lintel Schedule on Structural Drawings
05500.03	Steel handrail assembly
05500.04	Steel guardrail assembly
05500.05	Steel pan stair assembly
05500.06	Security Screens
06100.01	Pressure treated wood blocking
06100.02	Wood blocking
06100.03	Pressure treated plywood
06100.04	Plywood
06100.05	Pressure treated wood framing
06100.06	Wood framing
06100.07	Hanger
06200.01	Hardwood trim stain finish
06200.02	Softwood trim paint finish
06200.03	Veneer plywood
06300.04	Vertical T & G Cedar Siding to match existing
07100.01	Exterior sealant
07100.02	Interior sealant
07100.03	Exterior sealant and backer rod
07100.04	Interior sealant and backer rod
07100.05	Dampproofing
07100.06	Backer rod
07200.01	Fiberglass batt insulation
07200.02	Rigid insulation
07200.03	Fire safing insulation
07200.04	Vapor Barrier
07500.01	Modified Bitumen roofing system
07500.02	Flashing
07500.03	Roof edge fascia/gravel stop
07500.04	Metal hook strip/Clips
07500.05	Rigid insulation
07500.06	Tapered rigid insulation
07500.07	Preformed metal
07500.08	Gutters
07500.09	EPDM
07500.10	Not used
07500.11	Brake metal
07500.12	Metal fascia
07500.13	Lead coated flashing
07500.14	Downspouts
07500.15	Screen Blocks
07500.16	Crickets (1/4" slope)
07500.17	Expansion joint
07500.18	Scupper
07500.19	Termination Bar
07500.01	Skylight
08110.01	Hollow metal frame - Refer to Door Schedule
08110.02	Hollow metal door - Refer to door schedule
08210.01	Wood door - Refer to Door Schedule
08900.01	Aluminum window(s)
08900.02	Anchor clip
08900.03	Insect screen
08900.04	Sealant
08900.05	Alum. insulated panel
08900.06	Curtain wall
08900.07	Alum. panning
08900.08	Sealant
09110.00	Finish Hardware
09500.01	Float glass
09500.02	Tempered glass
09500.03	Fire glass
09500.04	Laminated glass
09500.05	Insulating glass
09400.00	Curtain wall
09200.01	Lathe & Plaster
09250.01	Gypsum board wall construction
09250.02	Gypsum board ceiling construction
09250.03	Metal stud(s)
09250.04	Metal stud track
09250.05	Furring channel
09250.06	Cold rolled channel
09250.07	Gypsum wall board
09250.08	Moisture-resistant gypsum board
09250.09	Fire-resistant gypsum board
09250.10	Control joint
09250.11	Corner bead
09250.12	Ceiling bead
09250.13	Deflection track
09250.14	Acoustical insulation
09250.15	Cond. board
09250.16	Shaft Liner
09300.01	Ceramic wall tile
09300.02	Ceramic floor tile
09300.03	Ceramic tile base
09300.04	Patch Terrazzo
09500.01	Acoustical tile/panel ceiling system
09500.02	Pre-finished metal suspension system
09500.03	Pre-finished metal trim
09500.04	1 x 1 ACT Panels exposed
09650.01	Vinyl composition tile
09650.02	Sheet flooring
09650.03	Vinyl base
09650.04	One piece rubber stair tread and riser
09650.05	Rubber flooring - seamless
09680.01	Carpeting
09700.01	Composite synthetic gym flooring
10100.01	Chalkboards, markerboards tack-boards
10150.01	Compartments & cubicles
10200.01	Louvers & vents
10400.01	Identifying devices
10800.01	Toilet paper dispenser - TPD
10800.02	Sanitary napkin receptacle - SNR
10800.03	Sanitary napkin/tampon dispenser - SND
10800.04	Paper Towel dispenser/receptacle - PTD/R
10800.05	9'-0" Knurled grab bar - GB
10800.06	Wall mounted soap dispenser - WSD
10800.07	Not used
10800.08	Mirror with stainless steel frame
10800.09	Mop rack/shelf assembly
10440.01	Fire extinguisher
10440.02	Fire extinguisher and cabinet
10440.03	Expansion joints
11152.01	Projection screens
11450.01	Gymnasium equipment
12300.01	Fixed casework
12800.01	Window treatment
12410.01	Door mats & frames
14200.01	Elevators
15400.01	Plumbing - Refer to Plumbing Drawings
15400.03	Drinking fountain/Electric water cooler, Handicapped accessible - Refer to Plumbing Drawings
15400.04	Water closet - Handicapped accessible - HCWC
15400.05	Water closet - WC
15400.06	Urinal - Handicapped accessible - HCUR
15400.07	Urinal - UR
15400.08	Lavatory
15400.09	Lavatory - Handicapped accessible
15400.10	Floor drain - Refer to Plumbing Drawings
15400.11	Roof drain - Refer to Plumbing Drawings
15900.01	Mechanical unit - Refer to HVAC Drawings
15900.02	Ductwork - Refer to HVAC Drawings
15900.03	HVAC piping - Refer to HVAC Drawings
15800.04	Fin tube radiation
16000.01	Electrical fixture - Refer to Electrical Drawings
16000.02	Exit sign - Refer to Electrical Drawings
16000.03	Clock refer to Electrical
16000.04	Speaker refer to Electrical
16740.00	Technology Systems

Stamp:

Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Additions and Alterations to the

Pine Hill School

Sherborn, Massachusetts

Title:

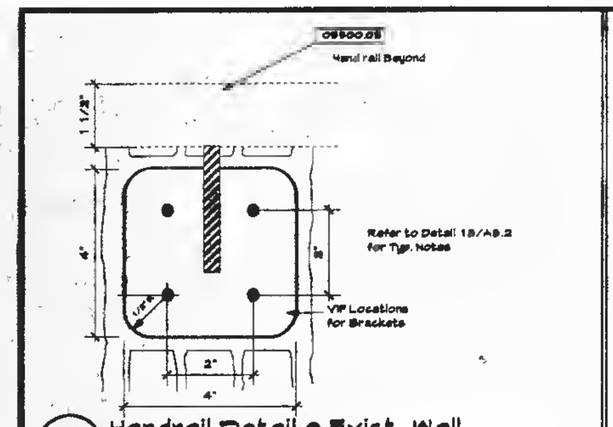
Elevator and Stair Plans, Sections and Details

Date: 3/20/97 Drawn By: MJL

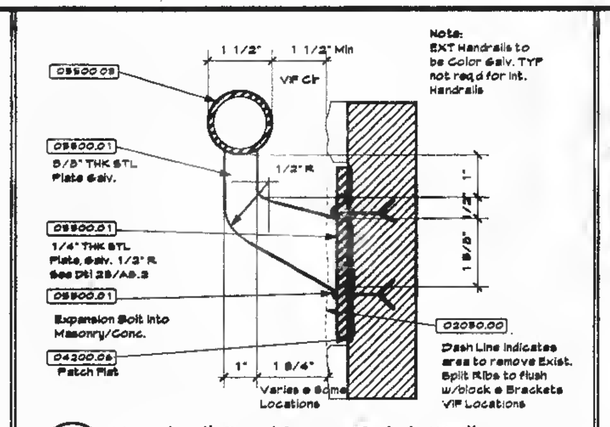
Scale: As Noted Job No.: 9606.0

Sheet:

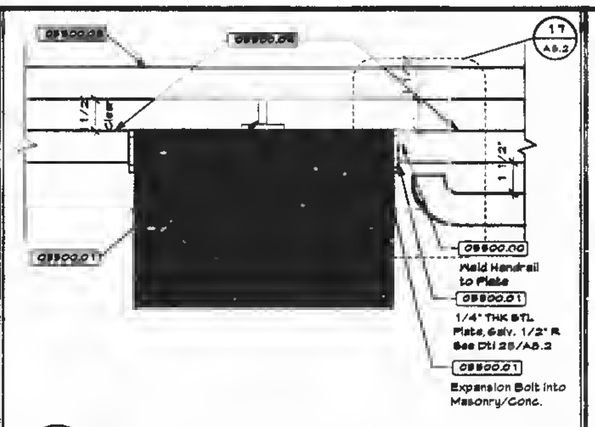
A8.1



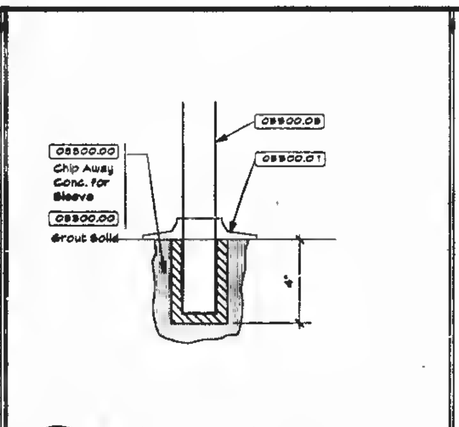
23 A8.2 Handrail Detail @ Exist. Wall
1/2 Size



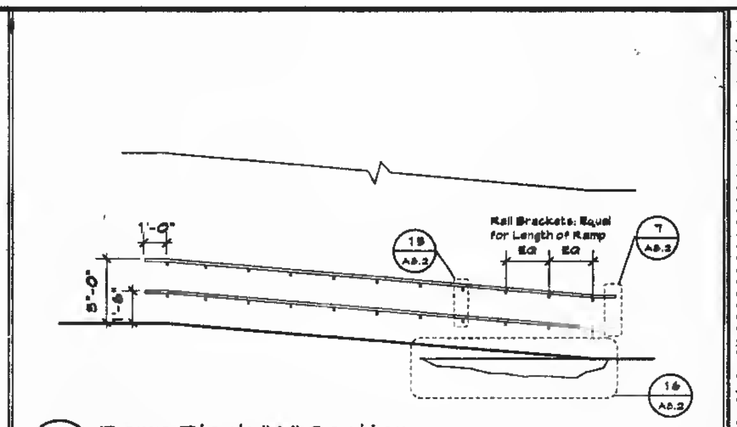
18 A8.2 Handrail Section @ Exist. Wall
1/2 Size



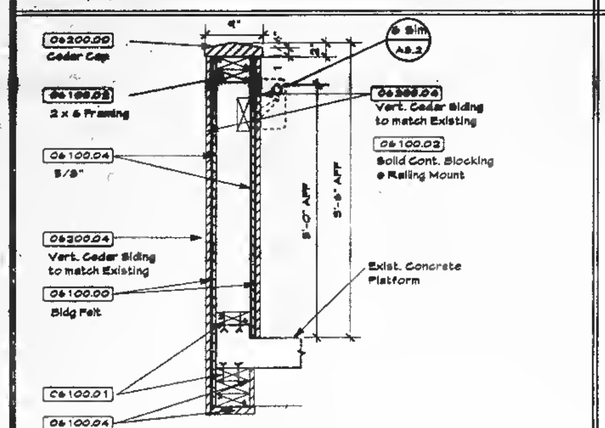
15 A8.2 Handrail @ Corner Wall
3"=1'-0"



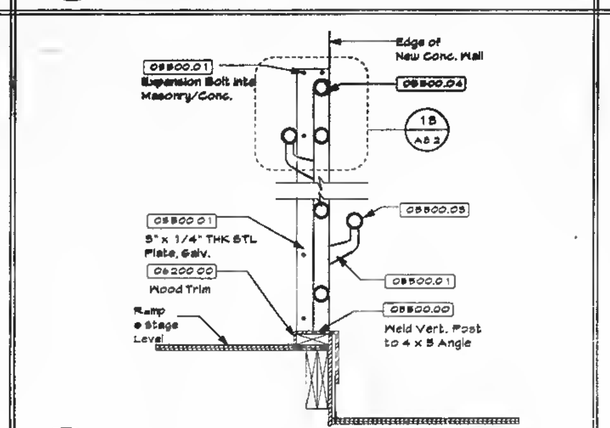
5 A8.2 Rail Conc. Sleeve
3"=1'-0"



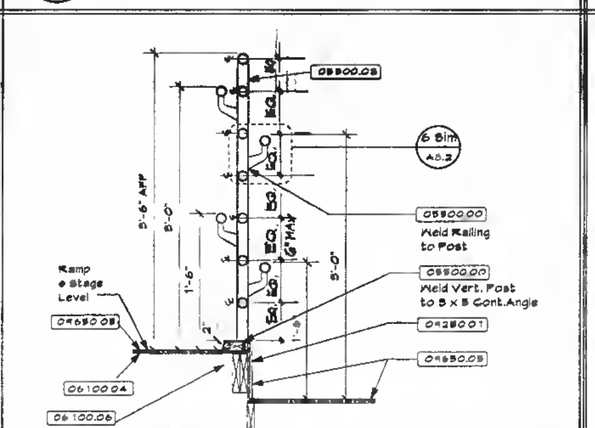
5 A8.2 Ramp Block "A" Section
1/4"=1'-0"



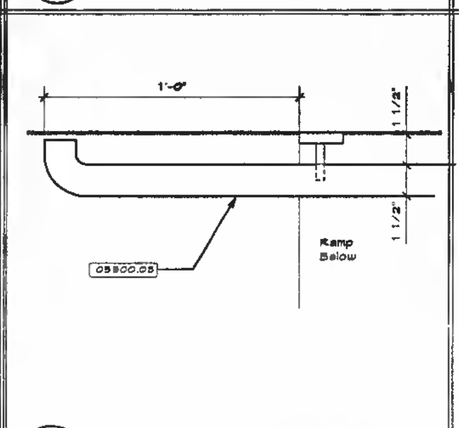
22 A8.2 Ext Stair Rail Section
1"=1'-0"



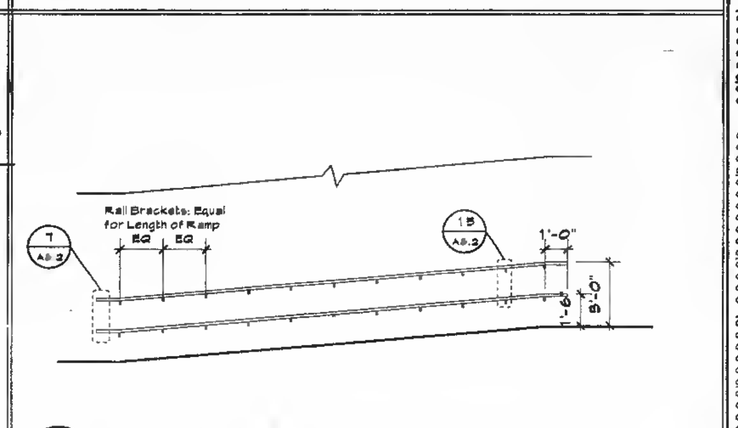
17 A8.2 Guard Rail Connection @ Wall
1 1/2"=1'-0"



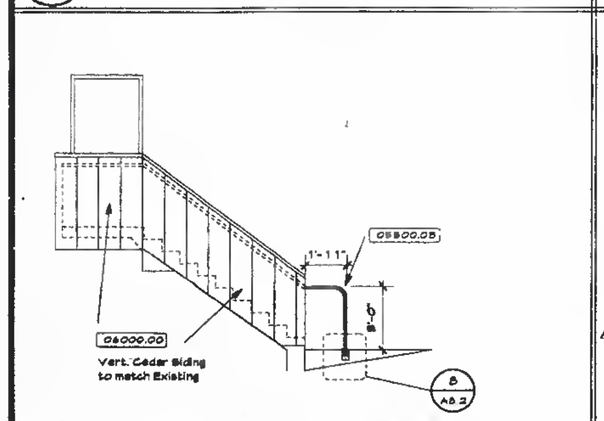
12 A8.2 Guard Rail Section
1"=1'-0"



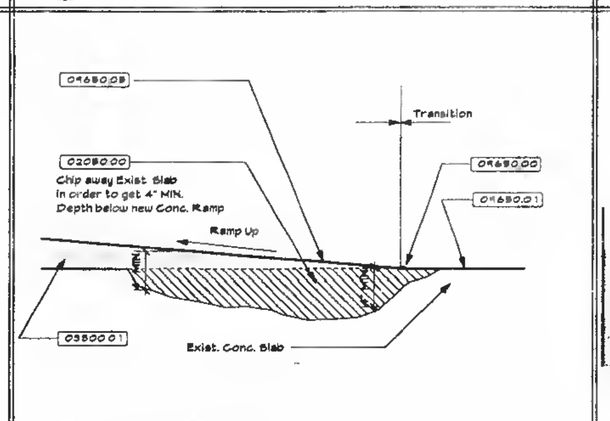
7 A8.2 Handrail Dtl @ Wall Return
3"=1'-0"



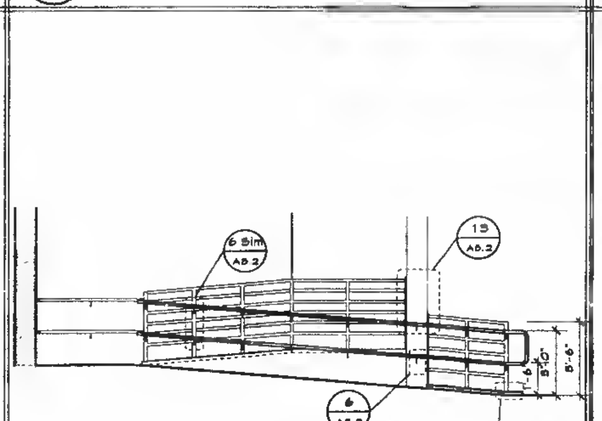
4 A8.2 Ramp Block "E" Section
1/4"=1'-0"



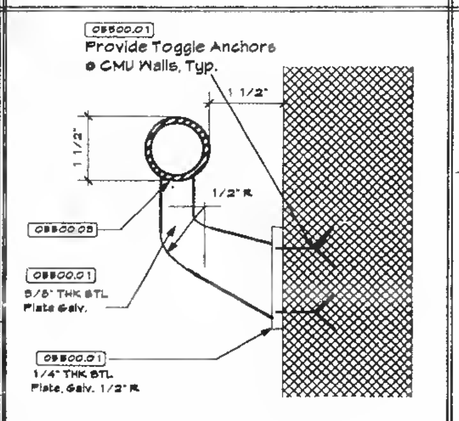
21 A8.2 Block "D" Exterior Stair Elev.
1/4"=1'-0"



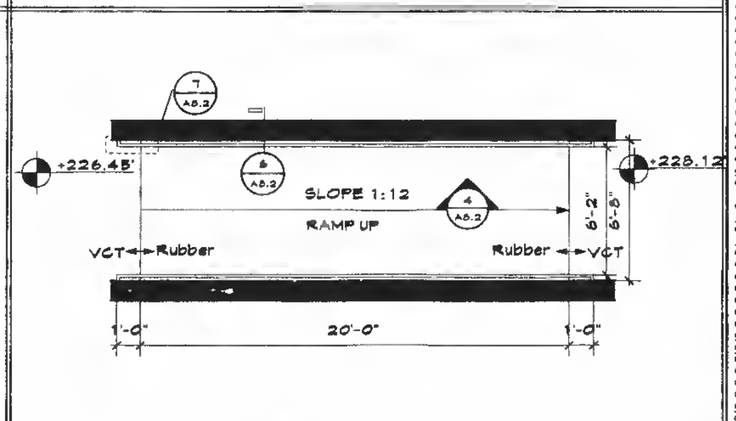
16 A8.2 Ramp End Section
1 1/2"=1'-0"



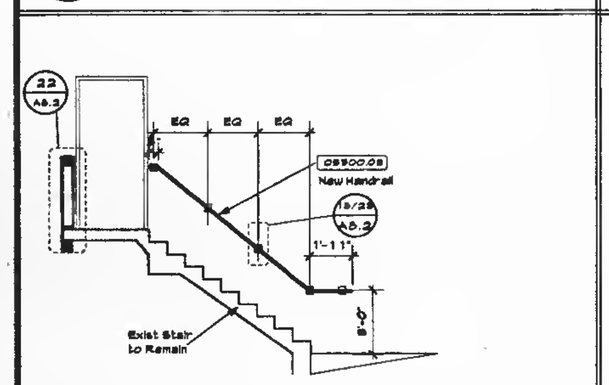
11 A8.2 Block "B" Stage Ramp Section
1/4"=1'-0"



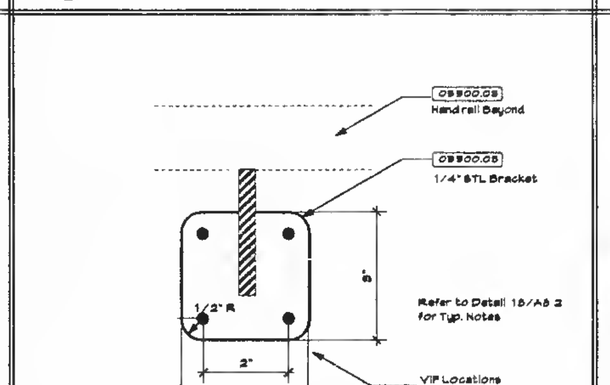
6 A8.2 Handrail Detail @ CMU Wall
1/2 Size



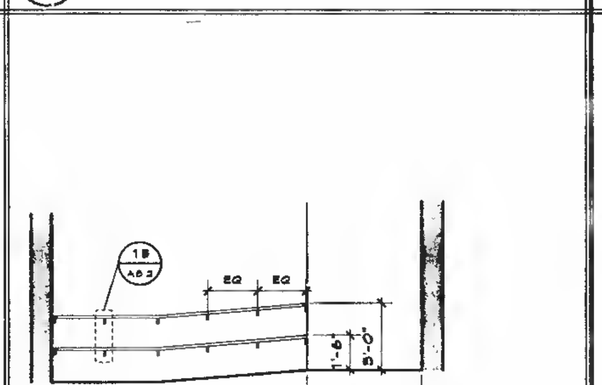
5 A8.2 Ramp Block "E" Plan
1/4"=1'-0"



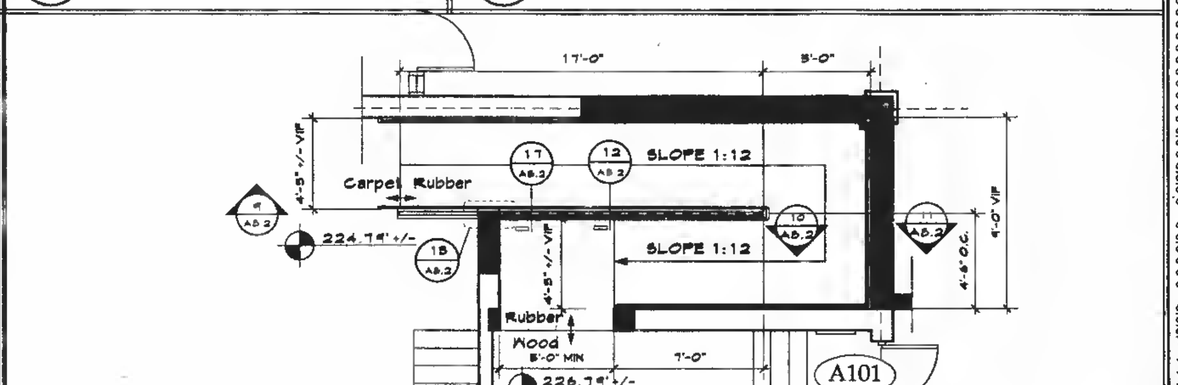
20 A8.2 Block "D" Exterior Stair Section
1/4"=1'-0"



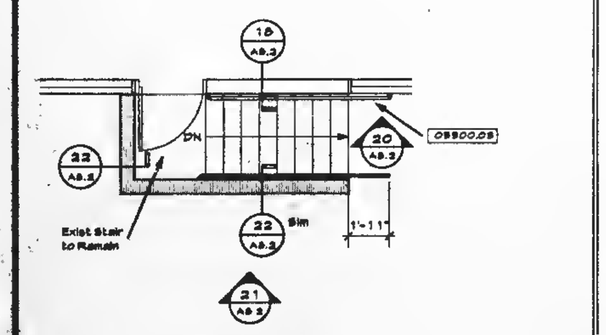
18 A8.2 Interior Handrail Bracket
1/2 Size



10 A8.2 Ramp Block "B" Stage Section
1/4"=1'-0"

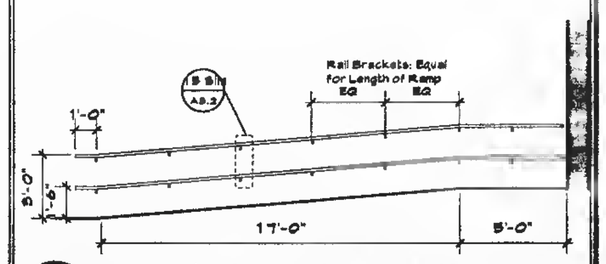


2 A8.2 Ramp Block "B" Auditorium
1/4"=1'-0"

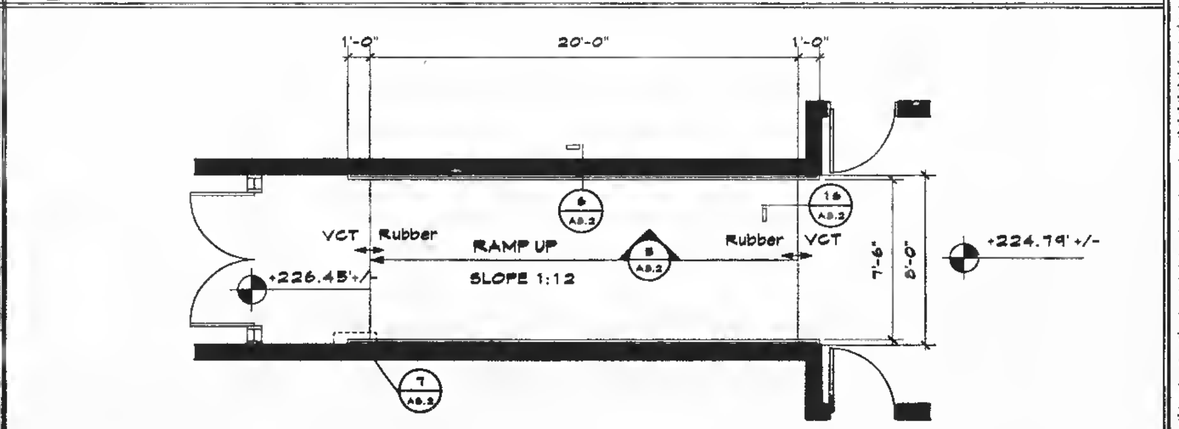


19 A8.2 Block "D" Exterior Stair Plan
1/4"=1'-0"

14 A8.2
1/4"=1'-0"



9 A8.2 Ramp Block "B" Stage Section
1/4"=1'-0"



1 A8.2 Ramp Block "A"
1/4"=1'-0"

KEYNOTES

02200.00 Earthworks
02050.00 Demolition
09900.01 Concrete - Refer to Structural Drawings
09900.02 Concrete foundation/footing - Refer to Structural Drawings
09900.03 Concrete slab on grade - Refer to Structural Drawings
04200.01 Masonry veneer wall construction
04200.02 Load bearing masonry wall construction
04200.03 Face Brick
04200.04 Reinforcing
04200.05 Flashing
04200.06 Grout
04200.07 Control Joint
04200.08 Weepkeys
04200.09 2" Rigid Insulation
04200.10 Thru wall Keying
04200.11 CMU
04200.12 Precast Concrete
04200.13 Split Rib CMU
04200.14 Ground Face CMU
04200.15 Mesp Ricks
04200.16 Sound Block CMU
04200.17 Center Scored CMU
04200.18 Glass Block
09100.01 Structural Steel - Refer to Structural Drawings
09100.02 Steel beam/column - Refer to Structural Drawings
09200.01 Steel joists - Refer to Structural Drawings
09200.02 Joist seat - Height varies - Refer to Structural Drawings
09500.01 Metal decking - Refer to Structural Drawings
09900.02 Pour stops/side closure
09900.03 Patch roof deck - refer to structural drawings
09400.01 Cold formed metal framing system
09400.02 Metal studs)
09400.03 Track
09400.04 Deflection track
09400.05 Channel bridging
09400.06 Exterior gypsum sheathing
09400.07 Metal stud Header
09900.01 Galvanized loose lintels - Refer to Loose Lintel Schedule on Structural Drawings
09900.05 Steel handrail assembly
09900.04 Steel guardrail assembly
09800.05 Steel pan stair assembly
09900.06 Security Screens
06100.01 Pressure treated wood blocking
06100.02 Wood blocking
06100.03 Pressure treated plywood
06100.04 Plywood
06100.05 Pressure treated wood framing
06100.06 Wood framing
06100.07 Hanger
06200.01 Hardwood trim, stain finish
06200.02 Softwood trim, paint finish
06200.03 Veneer plywood
06200.04 Vertical T & G Cedar Siding to match existing
07110.01 Exterior sealant
07110.02 Interior sealant
07110.03 Exterior sealant, and backer rod
07110.04 Interior sealant and backer rod
07110.05 Dampproofing
07110.06 Backer rod
07200.01 Fiberglass batt insulation
07200.02 Rigid insulation
07200.03 Fire sealing insulation
07200.04 Vapor Barrier
07500.01 Modified Bitumen roofing system
07500.02 Flashing
07500.03 Roof edge fascia/gravel stop
07500.04 Metal hook strip/Cleat
07500.05 Rigid insulation
07500.06 Tapered rigid insulation
07500.07 Pre-formed metal
07500.08 Gutters
07500.09 EPDM
07500.10 Not used
07500.11 Brake metal
07500.12 Metal fascia
07500.13 Lead coated flashing
07500.14 Downspouts
07500.15 Splash Blocks
07500.16 Crickets (1/4" slope)
07500.17 Expansion joint
07500.18 Scupper
07500.19 Termination Bar
07500.20 Sealant
08110.01 Hollow metal frame - Refer to Door Schedule
08110.02 Hollow metal door - Refer to door schedule
08210.01 Wood door - Refer to Door Schedule
08900.01 Aluminum window(s)
08900.02 Anchor clip
08900.03 Insect screen
08900.04 Sealant
08900.05 Alum. insulated panel
08900.06 Curtain wall
08900.07 Alum. panning
08900.08 Sealant
08110.00 Finish Hardware
08900.01 Float glass
08900.02 Tempered glass
08900.03 Fire glass
08900.04 Laminated glass
08900.05 Insulating glass
08100.00 Curtain wall
09200.01 Lathe & Plaster
09290.01 Gypsum board wall construction
09290.02 Gypsum board ceiling construction
09290.03 Metal stud(s)
09290.04 Metal stud track
09290.05 Furring channel
09290.06 Cold rolled channel
09290.07 Gypsum wall board
09290.08 Moisture-resistant gypsum board
09290.09 Fire-resistant gypsum board
09290.10 Control joint
09290.11 Corner bead
09290.12 Ceiling bead
09290.13 Deflection track
09290.14 Acoustical insulation
09290.15 Conc. board
09290.16 1" Shaft Liner
09300.01 Ceramic wall tile
09800.02 Ceramic floor tile
09800.03 Ceramic tile base
09400.00 Patch Terrazzo
09500.01 Acoustical tile/panel ceiling system
09500.02 Pre-finished metal suspension system
09500.03 Pre-finished metal trim
09500.04 1 x 1 ACT Panels adhered
09680.01 Vinyl composition tile
09680.02 Sheet flooring
09680.03 Vinyl base
09680.04 One piece rubber stair tread and riser
09680.05 Rubber flooring - seamless
09680.01 Carpeting
09700.01 Composite synthetic gym flooring
10100.01 Chalkboards, markerboards, tack-boards
10180.01 Compartments & cubicles
10300.01 Louvers & vents
10400.01 Identifying devices
10800.01 Toilet paper dispenser - TPD
10800.02 Sanitary napkin receptacle - SNR
10800.03 Sanitary napkin/tampon dispenser - SND
10800.04 Paper Towel dispenser/receptacle - PTD/R
10800.05 8'-6" towel grab bar - GB
10800.06 Wall mounted soap dispenser - WSD
10800.07 Not used
10800.08 Mirror with stainless steel frame
10800.09 Mop rack/shelf assembly
10440.01 Fire extinguisher
10440.02 Fire extinguisher and cabinet
10440.03 Expansion joints
11182.01 Projection screens
11400.01 Gymnasium equipment
12500.01 Fixed casework
12800.01 Window treatment
12a 10.01 Floor mats & frames
14200.01 Elevators
15400.01 Plumbing - Refer to Plumbing Drawings
15400.03 Drinking fountain/Electric water cooler; Handicapped accessible - Refer to Plumbing Drawings
15400.04 Water closet - Handicapped accessible - HCWC
15400.05 Water closet - WC
15400.06 Urinal - Handicapped accessible - HCUR
15400.07 Urinal - UR
15400.08 Lavatory
15400.09 Lavatory - Handicapped accessible
15400.10 Floor drain - Refer to Plumbing Drawings
15400.11 Roof drain - Refer to Plumbing Drawings
15800.01 Mechanical unit - Refer to HVAC Drawings
15800.02 Ductwork - Refer to HVAC Drawings
15800.03 HVAC piping - Refer to HVAC Drawings
15800.04 Fin tube radiation
16000.01 Electrical fixture - Refer to Electrical Drawings
16000.02 Exit sign - Refer to Electrical Drawings
16000.03 Clock refer to Electrical
16000.04 Speaker refer to Electrical
16700.00 Technology Systems

Stamp:

Revisions:

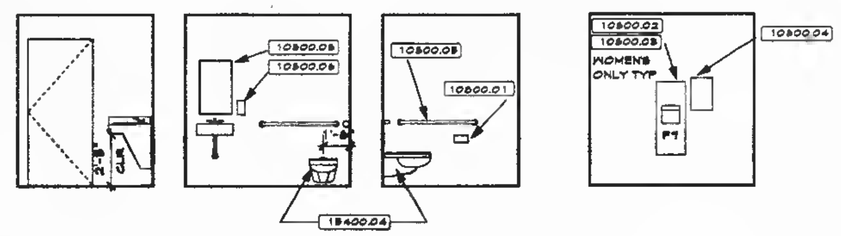
A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Addition and Alterations to the
Pine Hill School
Sherborn, Massachusetts

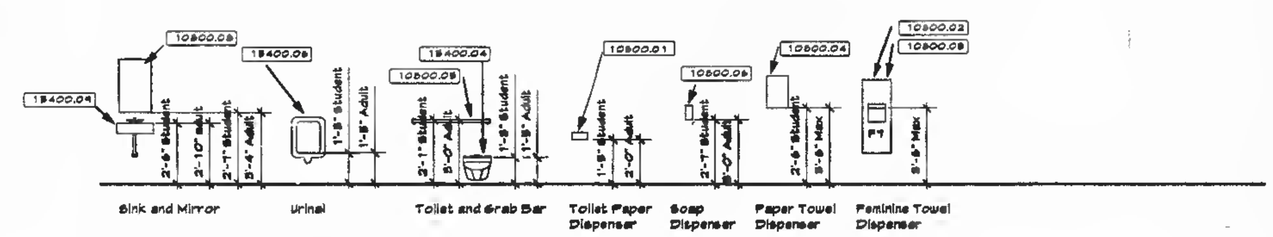
Ramp/Stair Plans, Sections Details

Date: 3/20/97 Drawn By: SFW
Scale: Varies Job No.: 9606.0
Sheet:

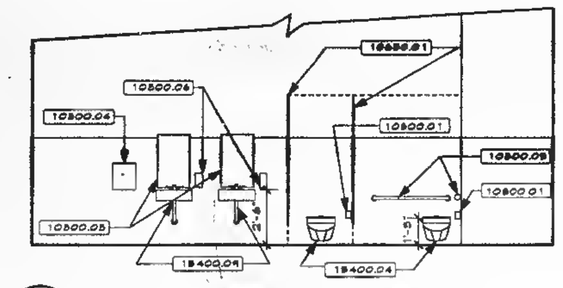
A8.2



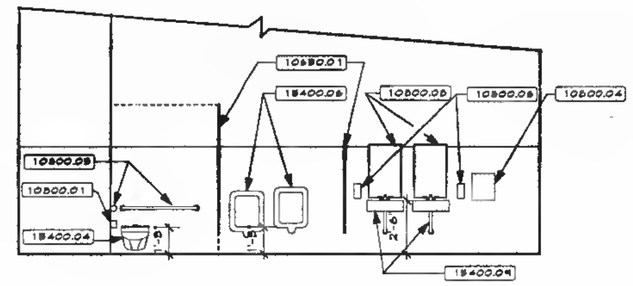
15 A8.3 HANDICAP TOILET TYPICAL
Opposite Similar 1/4"=1'-0"



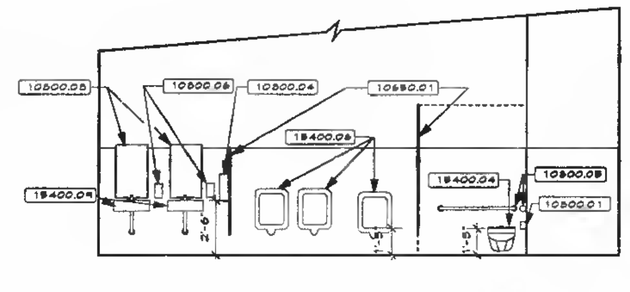
12 A8.3 FIXTURE HEIGHTS
1/4"=1'-0"



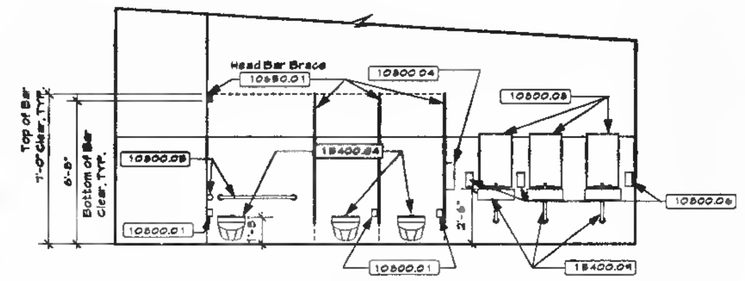
11 A8.3 BLOCK "C" GIRL'S TOILETS
1/4"=1'-0"



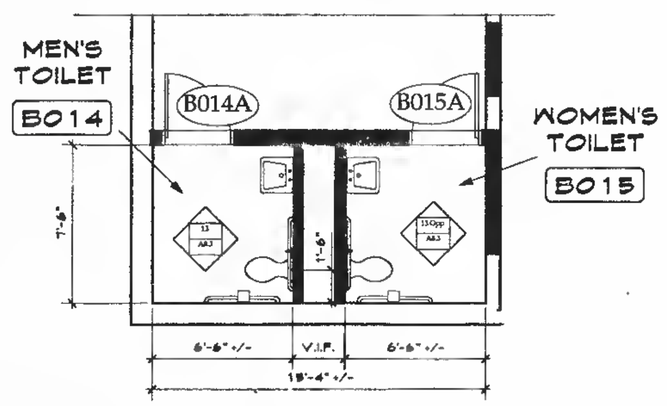
10 A8.3 BLOCK "C"BOY'S TOILETS
1/4"=1'-0"



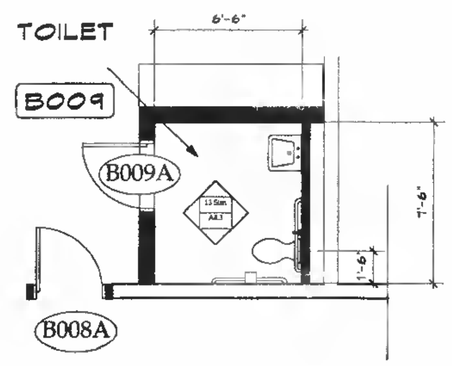
9 A8.3 BLOCK "A" BOY'S TOILETS
1/4"=1'-0"



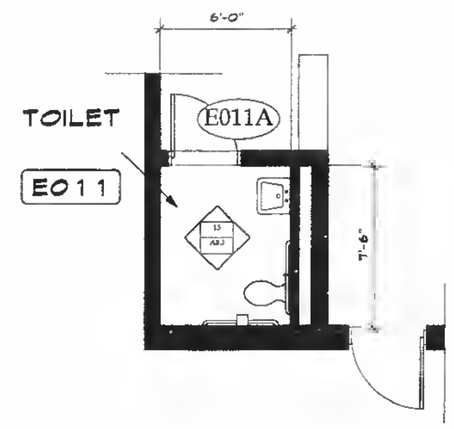
8 A8.3 BLOCK "A" GIRL'S TOILETS
1/4"=1'-0"



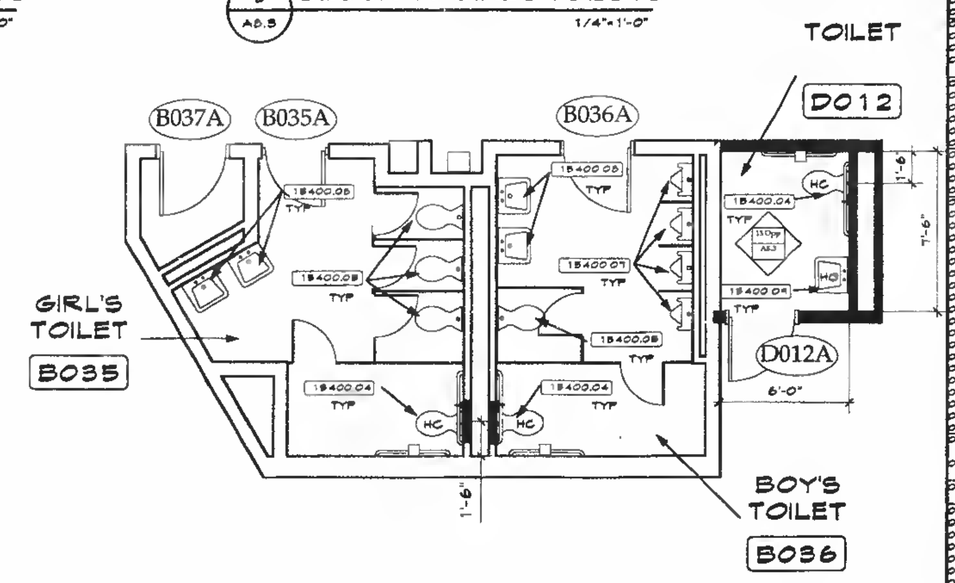
7 A8.3 BLOCK "B" STAFF TOILETS
1/4"=1'-0"



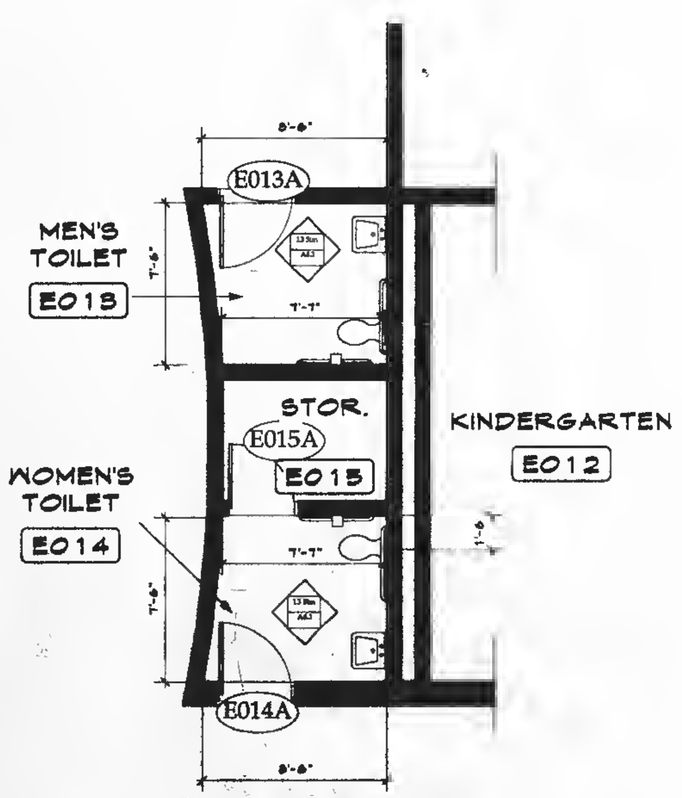
6 A8.3 BLOCK "B" NURSE TOILET
1/4"=1'-0"



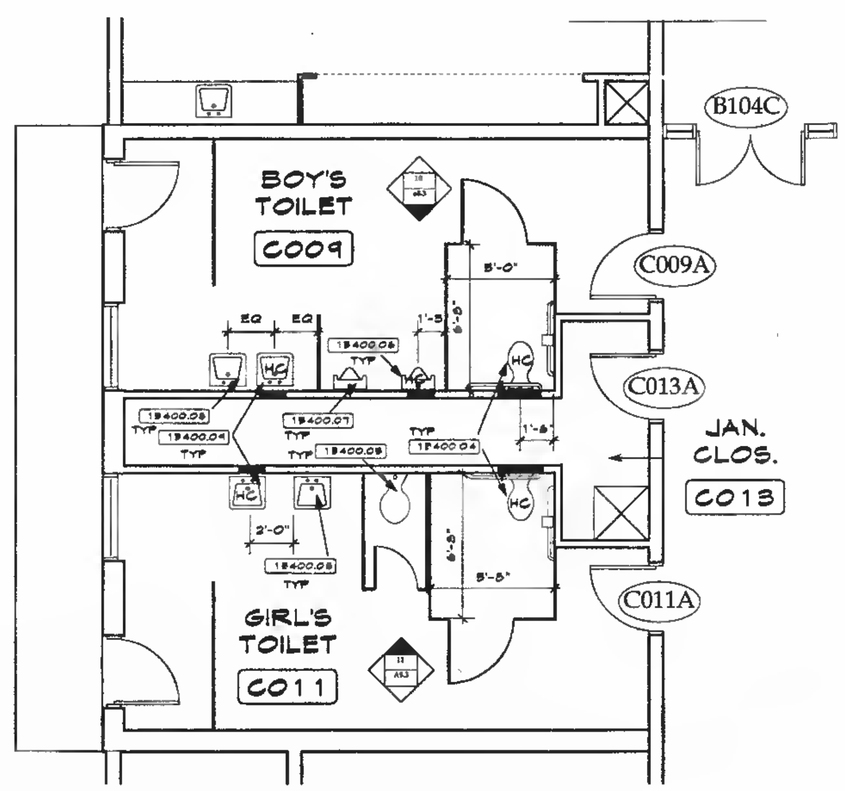
5 A8.3 BLOCK "E" KINDERGARTEN TOILET
Reverse/Opposite Similar 1/4"=1'-0"



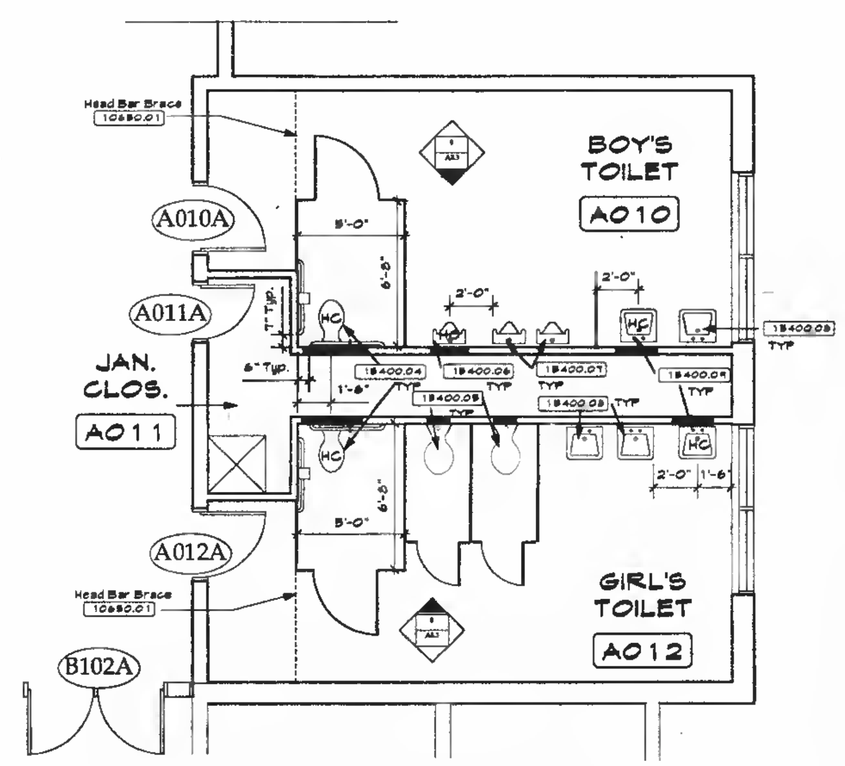
4 A8.3 BLOCK "B","D" TOILETS
1/4"=1'-0"



3 A8.3 BLOCK "E" TOILETS
1/4"=1'-0"



2 A8.3 BLOCK "C" TOILETS
1/4"=1'-0"



1 A8.3 BLOCK "A" TOILETS
1/4"=1'-0"

KEYNOTES

03100.00	Formwork
03200.00	Reinforcing
03300.01	Concrete - Refer to Structural Drawings
03300.02	Concrete foundation/footing - Refer to Structural Drawings
03300.03	Concrete slab on grade - Refer to Structural Drawings
04200.01	Masonry veneer wall construction
04200.02	Load bearing masonry wall construction
04200.03	Face Brick
04200.04	Reinforcing
04200.05	Flashing
04200.06	Grout
04200.07	Control joint
04200.08	Pressure
04200.09	2" Rigid insulation
04200.10	Thru wall flashing
04200.11	CMU
04200.12	Precast Concrete
04200.13	Split Rib CMU
04200.14	Ground face CMU
04200.15	Deep Rocks
04200.16	Bound Block CMU
04200.17	Center Scored CMU
04200.18	Glass Block
05100.01	Structural steel - Refer to Structural Drawings
05100.02	Steel beam/column - Refer to Structural Drawings
05200.01	Steel joists - Refer to Structural Drawings
05200.02	Joist seat - Height varies - Refer to Structural Drawings
05300.01	Metal decking - Refer to Structural Drawings
05500.00	Pipe shop/lab sleeve
05500.08	Patch roof deck - refer to structural drawings
05400.01	Cold formed metal framing system
05400.02	Metal stud(s)
05400.03	Track
05400.04	Deflection track
05400.05	Channel bridging
05400.06	Refer to structural framing
05500.01	Fabricated lintel - Refer to Structural Plans
05500.02	Galvanized loose lintels - Refer to Loose Lintel Schedule on Structural Drawings
05500.03	Steel handrail assembly
05500.04	Steel guardrail assembly
05500.05	Steel pan stair assembly
05500.06	Security Screens
06100.01	Pressure treated wood blocking
06100.02	Wood blocking
06100.03	Pressure treated plywood
06100.04	Plywood
06100.05	Pressure treated wood framing
06100.06	Wood framing
06100.07	Hanger
06200.01	Hardwood trim, stain finish
06200.02	Softwood trim, paint finish
06200.03	Veneer plywood
06200.04	Vertical 1" x 6 Cedar Siding to match existing
07100.01	Exterior sealant
07100.02	Interior sealant
07100.03	Exterior sealant endbacker rod
07100.04	Interior sealant endbacker rod
07100.05	Dampproofing
07100.06	Backer rod
07200.01	Fiberglass batt insulation
07200.02	Rigid insulation
07200.03	Firestopping insulation
07200.04	Vapor Barrier
07500.01	Modified Bitumen roofing system
07500.02	Flashing
07500.03	Roof edge fascia/gravel stop
07500.04	Metal hook strip/Cleat
07500.05	Rigid insulation
07500.06	Tapered rigid insulation
07500.07	Pre-formed metal
07500.08	Gutters
07500.09	EPDM
07500.10	Not used
07900.11	Brake metal
07900.12	Metal fascia
07900.13	Lead coated flashing
07900.14	Downspouts
07900.15	Splash Blocks
07900.16	Cricket (1/4" slope)
07900.17	Expansion joint
07900.18	Scupper
07900.19	Termination Bar
07900.01	Skylight
08110.01	Hollow metal frame - Refer to Door Schedule
08110.02	Hollow metal door - Refer to door schedule
08210.01	Wood door - Refer to Door Schedule
08500.01	Aluminum window(s)
08500.02	Anchor clip
08500.03	Insect screen
08500.04	Sealant
08500.05	Alum. insulated panel
08500.06	Curtain wall
08500.07	Alum. panning
08500.08	Sealant
08710.00	Finish Hardware
08300.01	Float glass
08500.02	Tempered glass
08500.03	Mirror glass
08500.04	Laminated glass
08500.05	Insulating glass
09100.00	Curtain wall
09200.01	Lathe & Plaster
09250.01	Gypsum board wall construction
09250.02	Gypsum board ceiling construction
09250.03	Metal stud(s)
09250.04	Metal stud track
09250.05	Furring channel
09250.06	Cold rolled channel
09250.07	Gypsum wall board
09250.08	Moisture-resistant gypsum board
09250.09	Fire-resistant gypsum board
09250.10	Control joint
09250.11	Corner bead
09250.12	Casing bead
09250.13	Deflection track
09250.14	Acoustical insulation
09250.15	Cond. board
09250.16	1" Shaft Liner
09600.01	Ceramic wall tile
09600.02	Ceramic floor tile
09600.03	Ceramic tile base
09600.04	Patch Terrazzo
09500.01	Acoustical tile/panel ceiling system
09500.02	Pre-finished metal suspension system
09500.03	Pre-finished metal trim
09500.04	1 x 1 ACT Panels adhered
09650.01	Vinyl composition tile
09650.02	Sheet flooring
09650.03	Vinyl base
09650.04	One piece rubber stair tread and riser
09650.05	Rubber flooring - seamless
09680.01	Carpeting
09700.01	Composite synthetic gym flooring
10100.01	Chalkboards, Markerboards, Tackboards
10150.01	Compartments & cubicles
10200.01	Louvers & vents
10400.01	Identifying devices
10500.01	Toilet paper dispenser - TPD
10500.02	Sanitary napkin receptacle - SNR
10500.03	Sanitary napkin/tampon dispenser - SND
10500.04	Paper Towel dispenser/receptacle - PTD/R
10500.05	8'-0" Knurled grab bar - GB
10500.06	Wall mounted soap dispenser - MSD
10500.07	Not Used
10500.01	Mirror with stainless steel frame
10500.04	Mop rack/shelf assembly
10440.01	Fire extinguisher
10440.02	Fire extinguisher and cabinet
10440.03	Expansion joints
11132.01	Projection Screens
11400.01	Gymnasium equipment
12500.01	Fixed Casework
12500.01	Window treatment
12640.01	Floor mats & frames
14200.01	Elevators
19400.01	Plumbing - Refer to Plumbing Drawings
19400.02	Drinking fountain/Electric water cooler: Handicapped accessible - Refer to Plumbing Drawings
19400.03	Water closet - Handicapped accessible - HCWC
19400.05	Water closet - HC
19400.06	Urinal - Handicapped accessible - HCUR
19400.07	Urinal - UR
19400.08	Lavatory
19400.09	Lavatory - Handicapped accessible
19400.10	Floor drain - Refer to Plumbing Drawings
19400.11	Roof drain - Refer to Plumbing Drawings
19500.01	Mechanical units - Refer to HVAC Drawings
19600.02	Ductwork - Refer to HVAC Drawings
19600.03	HVAC piping - Refer to HVAC Drawings
19600.04	Oil tank radiation
16000.01	Electrical fixtures - Refer to Electrical Drawings
16000.02	Bell sign - Refer to Electrical Drawings
16000.03	Clock refer to Electrical
16000.04	Speaker refer to Electrical
16740.00	Technology Systems

Stamp:

Revisions:

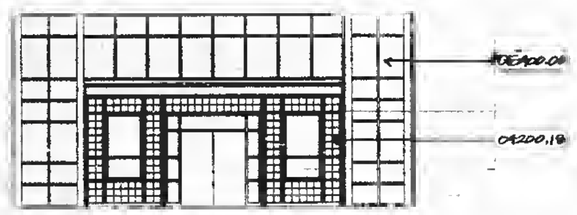
A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

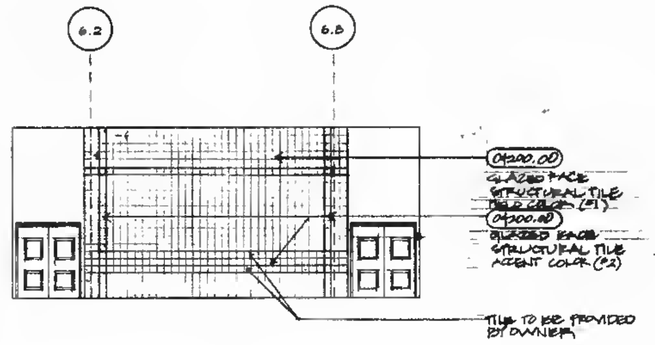
Title:
Toilet Plans, Elevations, Fixture Heights

Date: 3/20/97 Drawn By: SFW
Scale: 1/4"=1'-0" Job No.: 9606.0

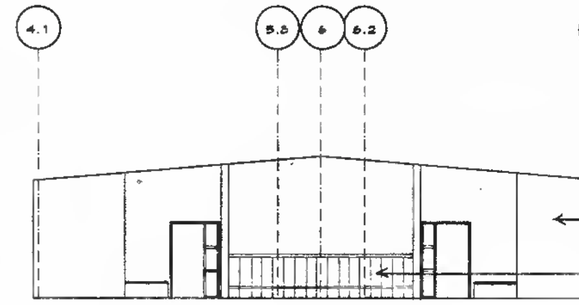
Sheet:
A8.3



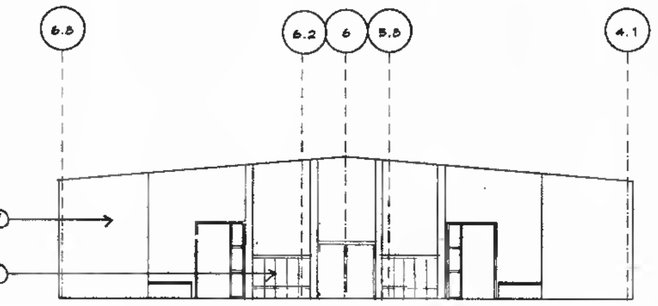
1 A9.1 East Lobby Elevation 1/8"=1'-0"



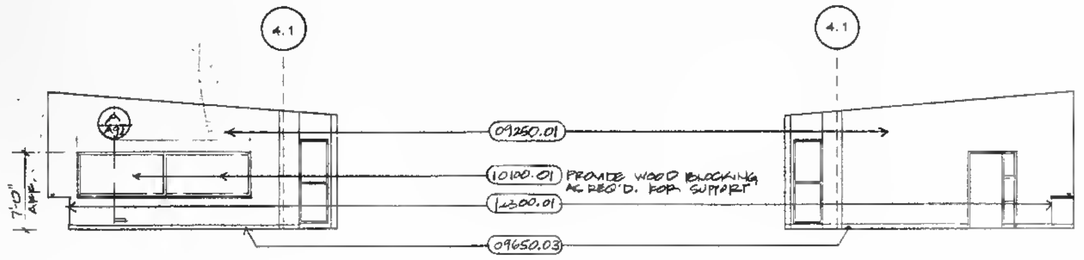
2 A9.1 West Lobby Elevation 1/8"=1'-0"



3 A9.1 West Elev. @ Common Area - E101 1/8"=1'-0"

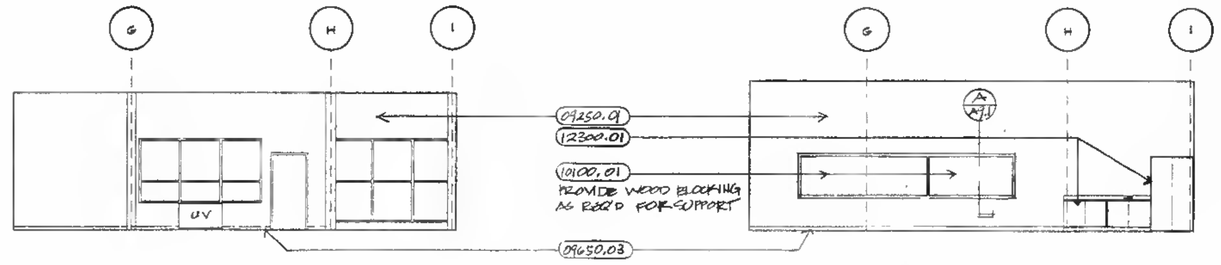


4 A9.1 East Elev. @ Common Area - E101 1/8"=1'-0"



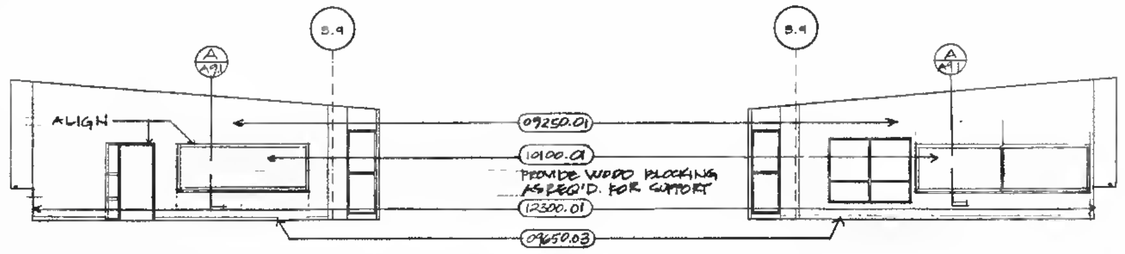
5 A9.1 East Elev. @ Kinder. - E005 (Typ) 1/8"=1'-0"

6 A9.1 West Elev. @ Kinder. - E005 (Typ) 1/8"=1'-0"



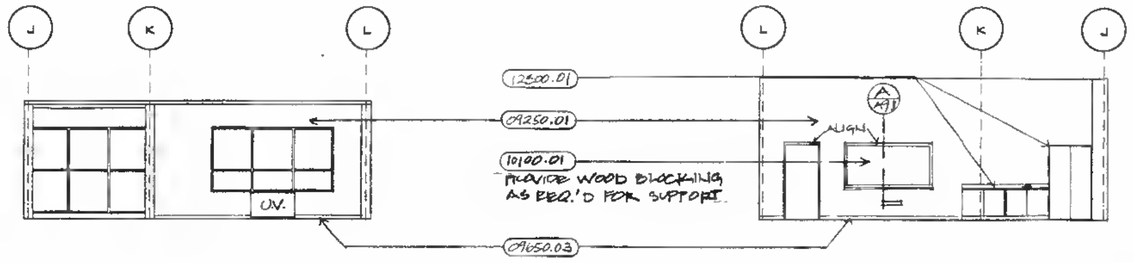
7 A9.1 South Elev. @ Kinder. - E005 (Typ) 1/8"=1'-0"

8 A9.1 North Elev. @ Kinder. - E005 (Typ) 1/8"=1'-0"



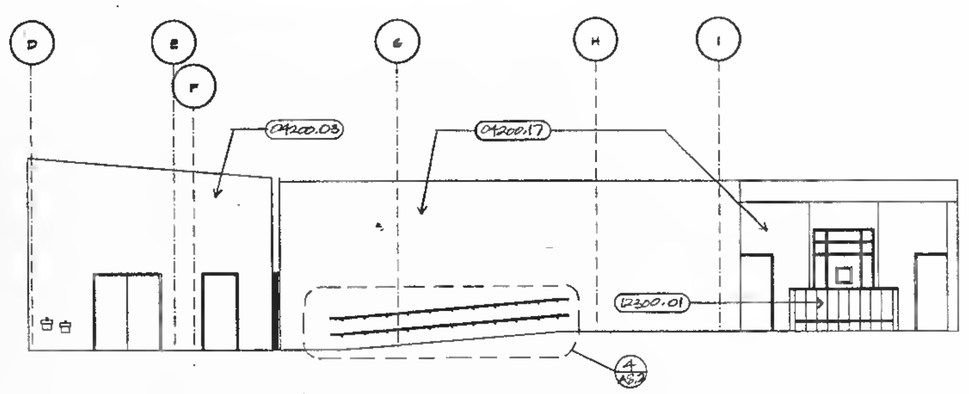
9 A9.1 East Elev. @ Kinder. - E008 (Typ) 1/8"=1'-0"

10 A9.1 West Elev. @ Kinder. - E008 (Typ) 1/8"=1'-0"

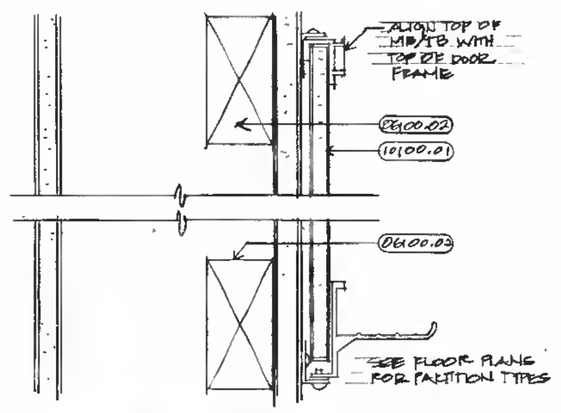


11 A9.1 South Elev. @ Kinder. - E008 (Typ) 1/8"=1'-0"

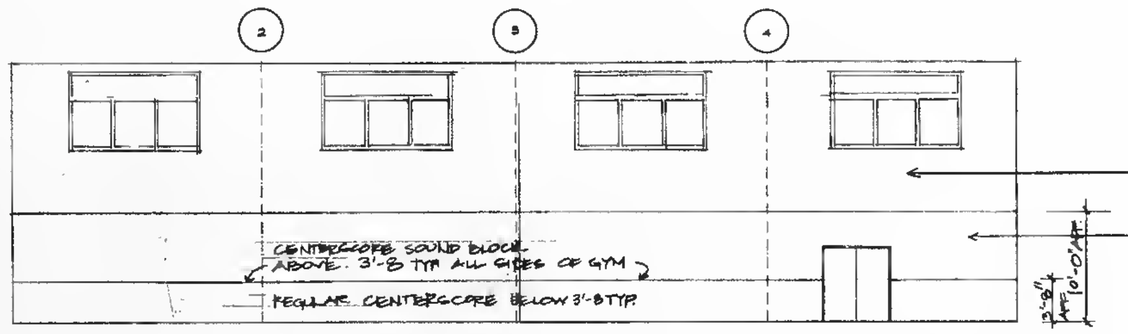
12 A9.1 North Elev. @ Kinder. - E008 (Typ) 1/8"=1'-0"



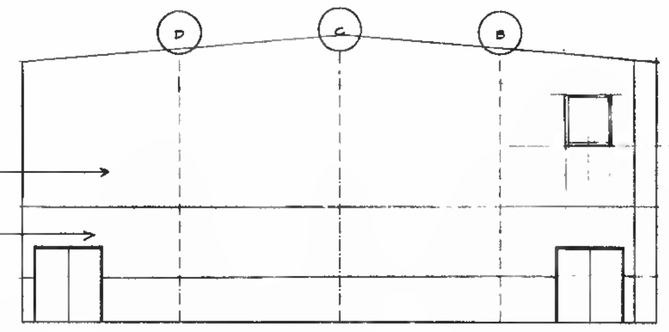
13 A9.1 South Corridor Elev. @ Kinder. 1/8"=1'-0"



A A9.1 SECTION @ MARKER/ TACK BOARD N.T.S.



14 A9.1 West Elev. @ Gym/Playroom - E002 1/8"=1'-0"



15 A9.1 North Elev. @ Gym/Playroom - E002 1/8"=1'-0"

KEYNOTES

02300.00 Earthworks
02300.00 Demolition
03300.01 Concrete -Refer to Structural Drawings
03300.02 Concrete foundation/footing - Refer to Structural Drawings
03300.03 Concrete slab on grade - Refer to Structural Drawings
04200.01 Masonry veneer wall construction
04200.02 Load bearing masonry wall construction
04200.03 Face Brick
04200.04 Reinforcing
04200.05 Flashing
04200.06 Grout
04200.07 Control joint
04200.08 Pointing
04200.09 2" Rigid insulation
04200.10 Thru wall flashing
04200.11 CMU
04200.12 Precast Concrete
04200.13 Split Rib CMU
04200.14 Ground face CMU
04200.15 Weep Holes
04200.16 Sound Block CMU
04200.17 Center Scored CMU
04200.18 Glass Block
05100.01 Structural steel - Refer to Structural Drawings
05100.02 Steel beam/column - Refer to Structural Drawings
05200.01 Steel joists - Refer to Structural Drawings
05200.02 Joist seat - Height varies - Refer to Structural Drawings
05300.01 Metal decking - Refer to Structural Drawings
05300.02 Pour stop/slab closure
05300.03 Patch roof deck- refer to structural drawings
05400.01 Cold formed metal framing system
05400.02 Metal stud(s)
05400.03 Track
05400.04 Deflection track
05400.05 Channel bridging
05400.06 Exterior gypsum sheathing
05500.01 Miscellaneous metal materials
05500.02 Galvanized loose lintels - Refer to Loose Lintel Schedule on Structural Drawings
05500.03 Steel handrail assembly
05500.04 Steel guardrail assembly
05500.05 Steel partial assembly
05500.06 Security Screens
06100.01 Pressure treated wood blocking
06100.02 Wood blocking
06100.03 Pressure treated plywood
06100.04 Plywood
06100.05 Pressure treated wood framing
06100.06 Wood framing
06100.07 Hanger
06200.01 Hardwood trim, stain finish
06200.02 Softwood trim, paint finish
06200.03 Veneer plywood
06200.04 Vertical T & G Cedar Siding to match existing
07100.01 Exterior sealant
07100.02 Interior sealant
07100.03 Exterior sealant and backer rod
07100.04 Interior sealant and backer rod
07100.05 Dampproofing
07100.06 Backer rod
07200.01 Rigid glass batt insulation
07200.02 Rigid insulation
07200.03 Fire safing insulation
07200.04 Vapor Barrier
07500.01 Modified Bitumen roofing system
07500.02 Flashing
07500.03 Roof edge fascia/gravel stop
07500.04 Metal hook strip/Cleat
07500.05 Rigid insulation
07500.06 Tapered rigid insulation
07500.07 Pre-formed metal
07500.08 Gutters
07500.09 EPDM
07500.10 not used
07500.11 Brake metal
07500.12 Metal fascia
07500.13 Lead coated flashing
07500.14 Downspouts
07500.15 Splash Blocks
07500.16 Cricket (1/4" slope)
07500.17 Expansion joint
07500.18 Scupper
07500.19 Termination Bar
07500.01 Skylight
08110.01 Hollow metal frame - Refer to Door Schedule
08110.02 Hollow metal door - Refer to door schedule
08210.01 Wood door - Refer to Door Schedule
08500.01 Aluminum window(s)
08500.02 Anchor clip
08500.03 Insect screen
08500.04 Sealant
08500.05 Alum. insulated panel
08500.06 Curtain wall
08500.07 Alum. panning
08500.08 Sealant
08710.00 Finish Hardware
08800.01 Float glass
08800.02 Tempered glass
08800.03 Fire glass
08800.04 Laminated glass
08800.05 Insulating glass
09100.02 Curtain wall
09200.01 Lathe & Plaster
09250.01 Gypsum board wall construction
09250.02 Gypsum board ceiling construction
09250.03 Metal stud(s)
09250.04 Metal stud track
09250.05 Furring channel
09250.06 Cold rolled channel
09250.07 Gypsum wallboard
09250.08 Moisture-resistant gypsum board
09250.09 Fire-resistant gypsum board
09250.10 Control joint
09250.11 Corner bead
09250.12 Ceiling bead
09250.13 Deflection track
09250.14 Acoustical insulation
09250.15 Cond. board
09250.16 1" Shaft Liner
09300.01 Ceramic wall tile
09300.02 Ceramic floor tile
09300.03 Ceramic tile base
09400.00 Patch Terrazzo
09500.01 Acoustical tile/panel ceiling system
09500.02 Pre-finished metal suspension system
09500.03 Pre-finished metal trim
09500.04 1 x 1 ACT Panels adhered
09600.01 Vinyl composition tile
09650.02 Sheet flooring
09650.03 Vinyl base
09650.04 One piece rubber stair tread and riser
09650.05 Rubber flooring - seamless
09680.01 Carpeting
09700.01 Composite synthetic gym flooring
10100.01 Chalkboards markerboards, tackboards
10150.01 Compartments & cubicles
10200.01 Louvers & vents
10400.01 Identifying devices
10500.01 Toilet paper dispenser - TPD
10500.02 Sanitary napkin receptacle - SNR
10500.03 Sanitary napkin/tampon dispenser - SND
10500.04 Paper Towel dispenser/receptacle - PTD/R
10500.05 8-9" Knurled grab bar - GB
10500.06 Wall mounted soap dispenser - WSD
10500.07 Not used
10500.08 Mirror with stainless steel frame
10500.09 Mop rack/shelf assembly
10440.01 Fire extinguisher
10440.02 Fire extinguisher and cabinet
10440.03 Expansion joints
11150.01 Projection screens
11480.01 Gymnasium equipment
12800.01 Fixed Casework
12900.01 Window treatment
13640.01 Floor mats & frames
14200.01 Elevators
15400.01 Plumbing - Refer to Plumbing Drawings
15400.02 Drinking fountain/Electric water cooler, Handicapped accessible - Refer to Plumbing Drawings
15400.04 Water closet - Handicapped accessible - HCWC
15400.05 Water closet - WC
15400.06 Urinal - Handicapped accessible - HCUR
15400.07 Urinal - UR
15400.08 Lavatory
15400.09 Lavatory - Handicapped accessible
15400.10 Floor drain - Refer to Plumbing Drawings
15400.11 Roof drain - Refer to Plumbing Drawings
15800.01 Mechanical unit - Refer to HVAC Drawings
15800.02 Ductwork - Refer to HVAC Drawings
15800.03 HVAC piping - Refer to HVAC Drawings
15800.04 Finned radiation
16000.01 Electrical fixture - Refer to Electrical Drawings
16000.02 Exit sign - Refer to Electrical Drawings
16000.03 Clock refer to Electrical
16000.04 Speaker refer to Electrical
16740.00 Technology Systems

Stamp:

Revisions:

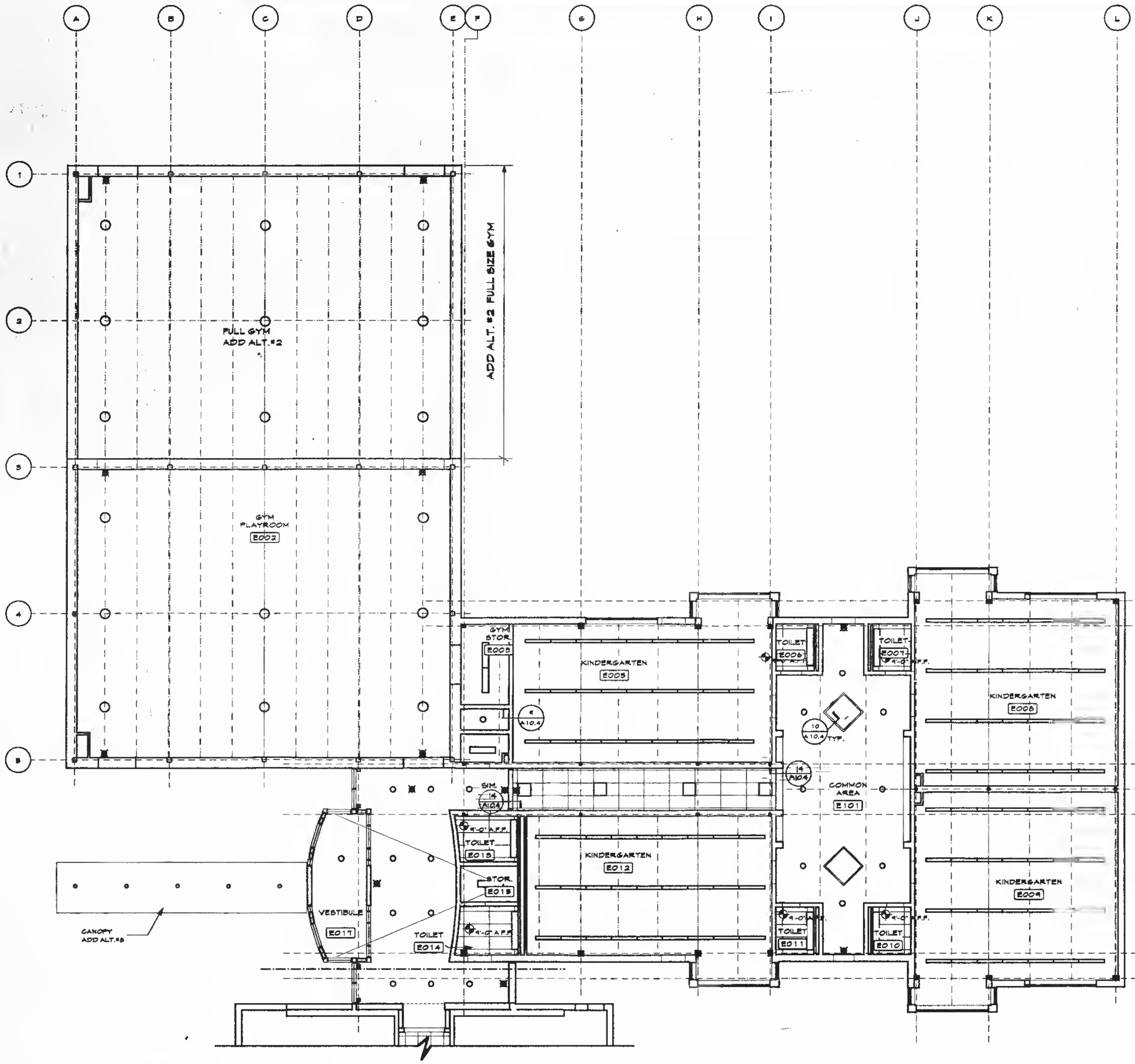
A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

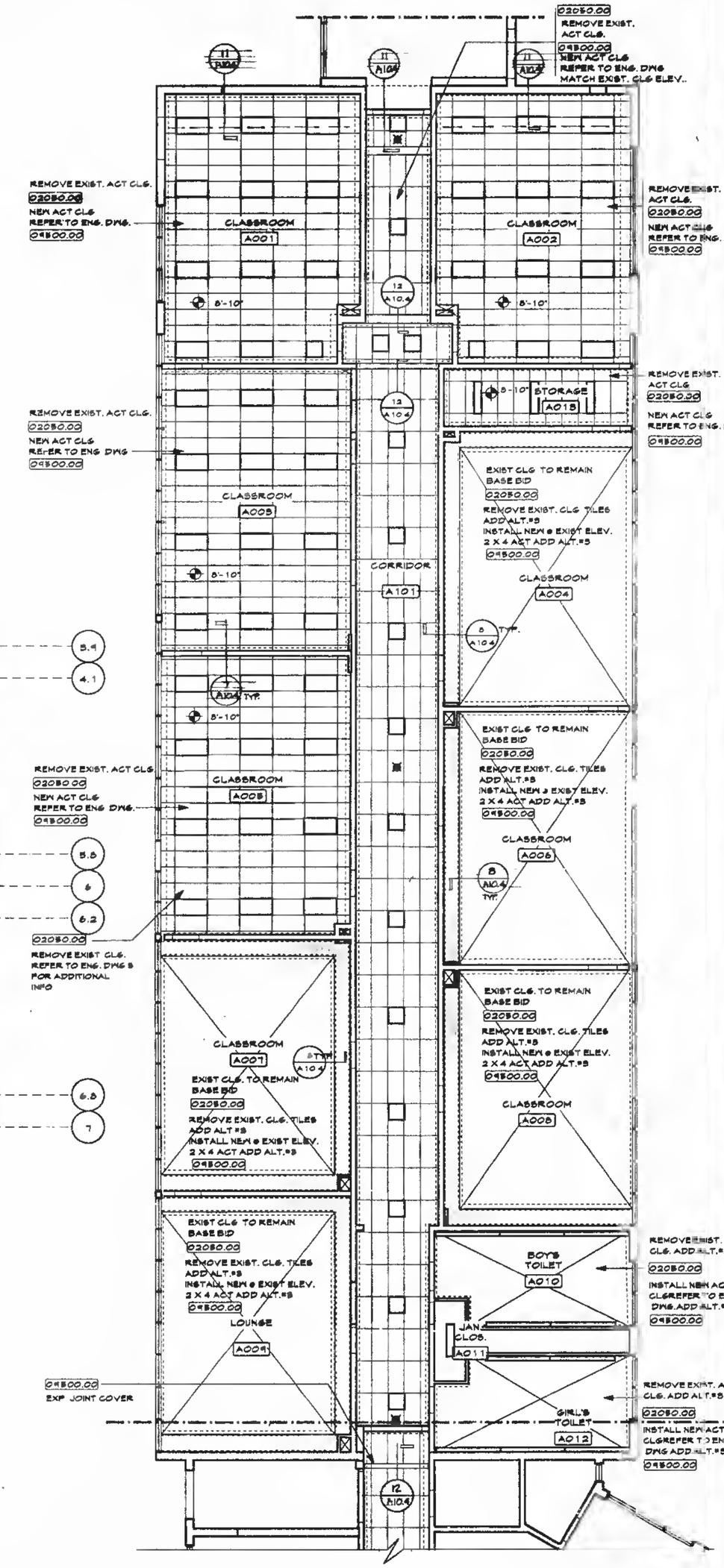
Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

Title:
Interior Elevations

Date: 3/20/97 Drawn By: MDD
Scale: 1/8"=1'-0" Job No.: 9606

Sheet:
A9.1





LEGEND

- EXIST CLG. DEMO'D W/NEW GWB CLG
- NEW GWB CLG.
- REMOVE EXIST. ACT CLG INSTALL NEW ACT CLG. MATCH EXIST. ELEV. AT ADD ALT. #3
- NEW 2 X 4 ACT CLG.
- 2 X 4 LIGHT FIXTURE
- 2 X 2 LIGHT FIXTURE
- INDIRECT/DIRECT LIGHT FIXTURE
- 1 X 4 LIGHT FIXTURE
- PENDANT
- DOWNLIGHT
- EXIT SIGN

GENERAL NOTES

1. WING "A", ADD ALT. #3
2. WING "C", ADD ALT. #4
3. WING "B" & "D", ADD ALT. #3

1 / A10.1 RCP Block "E"
1/8"=1'-0"

2 / A10.1 RCP Block "A"
1/8"=1'-0"

KEYNOTES

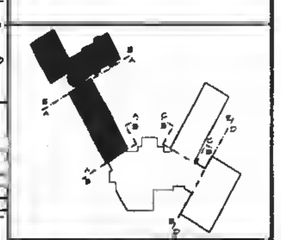
02050.00 Demolition
09300.01 Ceramic tile
09800.01 Concrete - Refer to Structural Drawings
09800.02 Concrete foundation/footing - Refer to Structural Drawings
09800.03 Concrete slab on grade - Refer to Structural Drawings
04200.01 Masonry veneer wall construction
04200.02 Load bearing masonry wall construction
04200.03 Face Brick
04200.04 Reinforcing
04200.05 Flashing
04200.06 Grout
04200.07 Control joint
04200.08 Veneklase
04200.09 2" Rigid insulation
04200.10 Thru wall flashing
04200.11 CMU
04200.12 Precast Concrete
04200.13 Split rib CMU
04200.14 Ground face CMU
04200.15 Weep Wicks
04200.16 Bond Block CMU
04200.17 Center Scored CMU
04200.18 Glass Block
09100.01 Building stud - Refer to Structural Drawings
09100.02 Steel beam/column - Refer to Structural Drawings
09200.01 Steel joists - Refer to Structural Drawings
09200.02 Joist seat - Height varies - Refer to Structural Drawings
09500.01 Metal decking - Refer to Structural Drawings
09500.02 Pour stop/form closure
09500.03 Patch roof deck - refer to structural drawings
09400.01 Cold formed metal framing system
09400.02 Metal stud(s)
09400.03 Track
09400.04 Deflection track
09400.05 Channel bridging
09500.01 Structural steel shelf angle
09500.02 Galvanized loose lintels - Refer to Loose Lintel Schedule on Structural Drawings
09500.03 Steel handrail assembly
09500.04 Steel guardrail assembly
09500.05 Steel pan stair assembly
09500.06 Security screens
06100.01 Pressure treated wood blocking
06100.02 Wood blocking
06100.03 Pressure treated plywood
06100.04 Plywood
06100.05 Pressure treated wood framing
06100.06 Wood framing
06100.07 Heavy timber
06200.01 Heavy timber trim
06200.02 Softwood trim, paint finish
06200.03 Veneer plywood
06200.04 Vertical T & G Cedar Siding to match existing
07100.01 Exterior sealant
07100.02 Interior sealant
07100.03 Exterior sealant and backer rod
07100.04 Interior sealant and backer rod
07100.05 Dampproofing
07100.06 Backer rod
07200.01 Fiberglass batt insulation
07200.02 Rigid insulation
07200.03 Fire safing insulation
07200.04 Vapor Barrier
07200.01 Hot mop bitumen roofing system
07500.02 Flashing
07500.03 Roof edge fascia/gravel stop
07500.04 Metal hook strip/Cleat
07500.05 Rigid insulation
07500.06 Tapered rigid insulation
07500.07 Pre-formed metal
07500.08 Gutters
07500.09 EPDM
07500.10 Not used
07500.11 Brake metal
07500.12 Metal fascia
07500.13 Lead coated flashing
07500.14 Downspouts
07500.15 Splash Blocks
07500.16 Cricket (1/4" slope)
07500.17 Expansion joint
07500.18 Scupper
07500.19 Termination Bar
07500.20 Sheet 1
08110.01 Door frame - Refer to Door Schedule
08110.02 Hollow metal door - Refer to door Schedule
08210.01 Wood door - Refer to Door Schedule
08500.01 Aluminum window(s)
08500.02 Anchor clip
08500.03 Insect screen
08500.04 Sealant
08500.05 Alum. insulated panel
08500.06 Curtain wall
08500.07 Alum. glazing
08500.08 Sealant
08110.00 Finish Hardware
08300.01 Mirror glass
08300.02 Tempered glass
08300.03 Fire glass
08300.04 Laminated glass
08300.05 Insulating glass
08100.00 Curtain wall
09200.01 Lathe & Plaster
09250.01 Gypsum board wall construction
09250.02 Gypsum board ceiling construction
09250.03 Metal stud(s)
09250.04 Metal stud track
09250.05 Furring channel
09250.06 Cold rolled channel
09250.07 Gypsum wall board
09250.08 Moisture-resistant gypsum board
09250.09 Fire-resistant gypsum board
09250.10 Control joint
09250.11 Corner bead
09250.12 Ceiling bead
09250.13 Deflection track
09250.14 Acoustical insulation
09250.15 Conc. board
09250.16 1" Shaft Liner
09300.01 Ceramic wall tile
09300.02 Ceramic floor tile
09300.03 Ceramic tile base
09400.00 Patch Terrazzo
09500.01 Acoustical tile/panel ceiling system
09500.02 Pre-finished metal suspension system
09500.03 Pre-finished metal trim
09500.04 1 x 1 ACT Panels adhered
09650.01 Vinyl composition tile
09650.02 Sheet flooring
09650.03 Vinyl base
09650.04 One piece rubber stair tread and riser
09650.05 Rubber flooring - seamless
09680.01 Carpeting
09700.01 Composite synthetic gym flooring
10100.01 Chalkboards, markerboards tack - boards
10150.01 Compartments - cubicles
10200.01 Louvers - vents
10200.01 Ventilating grilles
10800.01 Toilet paper dispenser - TPD
10800.02 Sanitary napkin receptacle - SNR
10800.03 Sanitary napkin/tampon dispenser - SND
10800.04 Paper Towel dispenser/receptacle - PTD/R
10800.05 5'-6" Knurled grab bar - GB
10800.06 Wall mounted soap dispenser - WSD
10800.07 Not used
10800.08 Mirror with stainless steel frame
10800.09 Mop rack/shelf assembly
10400.01 Fire extinguisher
10400.02 Fire extinguisher and cabinet
10400.03 Expansion joints
11130.01 Projection screens
11400.01 Gymnasium equipment
12300.01 Plastic cabinets
12800.01 Window sill tops
12640.01 Floor mats & frames
14200.01 Elevators
19400.01 Plumbing - Refer to Plumbing Drawings
19400.03 Drinking fountain/Electric water cooler, Handicapped accessible - Refer to Plumbing Drawings
19400.04 Water closet - Handicapped accessible - HCWC
19400.05 Water closet - WC
19400.06 Urinal - Handicapped accessible - HCUR
19400.07 Urinal - UR
19400.08 Lavatory
19400.09 Lavatory - Handicapped accessible
19400.10 Floor drain - Refer to Plumbing Drawings
19400.11 Roof drain - Refer to Plumbing Drawings
19600.01 Air handling units - Refer to HVAC Drawings
19600.02 Ductwork - Refer to HVAC Drawings
19600.03 HVAC piping - Refer to HVAC Drawings
19000.01 Exit sign - Refer to Electrical Drawings
19000.02 Exit sign - Refer to Electrical Drawings
19000.03 Clock refer to Electrical
19000.04 Speaker - refer to Electrical
19740.00 Fire alarm system

Stamp:

Revisions:

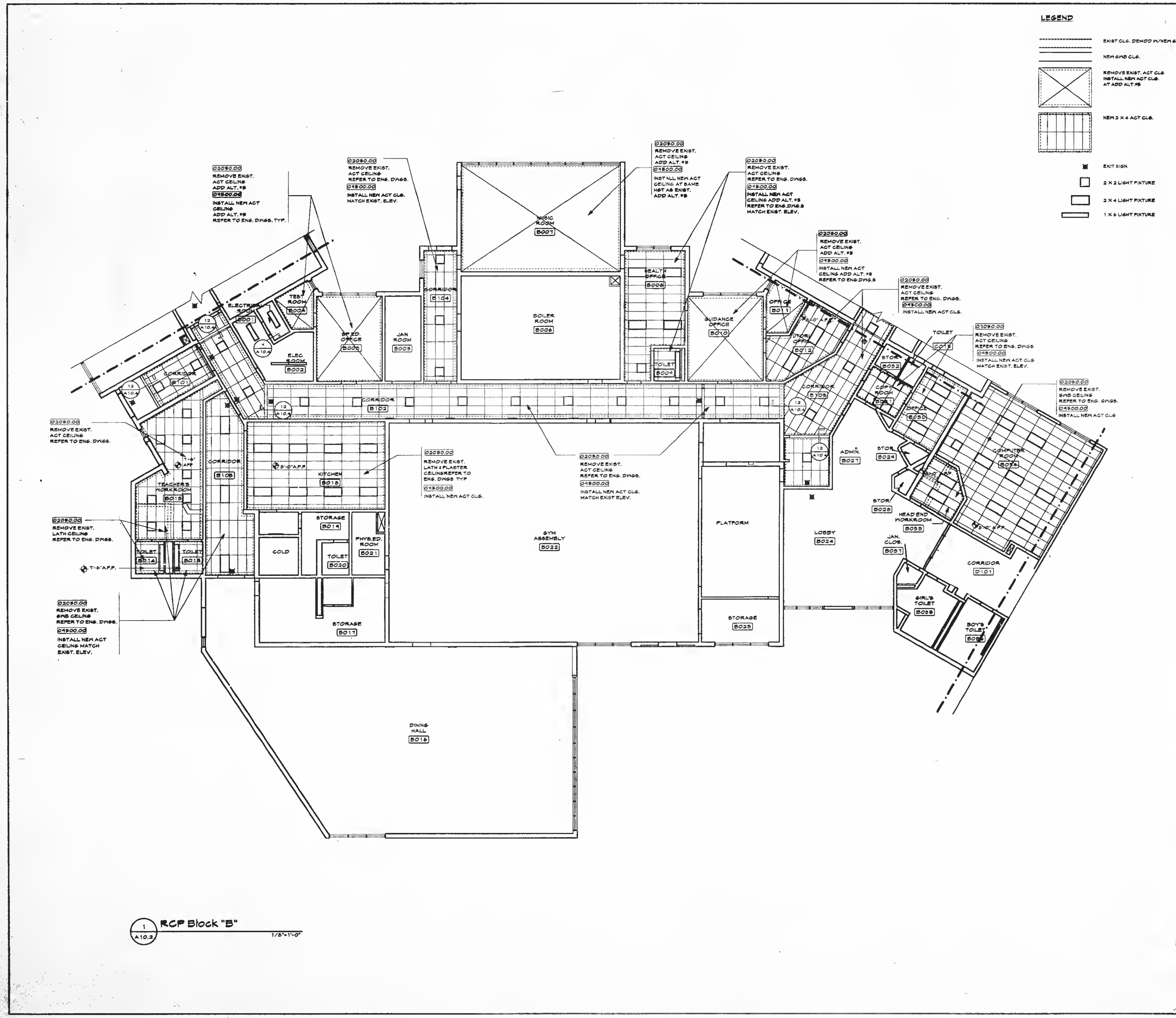
A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts



Title:
Reflected Ceiling Plan Block A & E

Date: 3/20/97 Drawn By: SFW
Scale: 1/8"=1'-0" Job No.: 9606.0
Sheet:
A10.1



1 A10.2 RCP Block "B"

1/8"=1'-0"

LEGEND

- EXIST CLG. DEMOD W/NEW GWB CLG
- NEW GWB CLG.
- REMOVE EXIST. ACT CLG INSTALL NEW ACT CLG. AT ADD ALT.#9
- NEW 2 X 4 ACT CLG.
- EXIT SIGN
- 2 X 2 LIGHT FIXTURE
- 2 X 4 LIGHT FIXTURE
- 1 X 8 LIGHT FIXTURE

KEYNOTES

02200.00 Earthwork
02250.00 Demolition
03500.01 Concrete -Refer to Structural Drawings
03500.03 Concrete foundation/footing - Refer to Structural Drawings
03500.05 Concrete slab on grade - Refer to Structural Drawings
04200.01 Masonry veneer wall construction
04200.03 Load bearing masonry wall construction
04200.05 Face Brick
04200.06 Reinforcing
04200.09 Flashing
04200.08 Grout
04200.07 Control joint
04200.05 Pressions
04200.06 5" Rigid insulation
04200.10 Thru wall flashing
04200.11 CMU
04200.12 Precast Concrete
04200.13 8x8 Rib CMU
04200.14 Ground face CMU
04200.15 Haze Block
04200.16 Sound Block CMU
04200.17 Center Scored CMU
04200.18 Glass Block
05100.01 Structural steel - Refer to Structural Drawings
05100.03 Steel beam/column - Refer to Structural Drawings
05200.01 Steel joists - Refer to Structural Drawings
05200.03 Joist seat - Height varies - Refer to Structural Drawings
05500.01 Metal decking - Refer to Structural Drawings
05500.03 Pour stops/sink closure
05500.05 Patch roof deck - refer to structural drawings
05900.01 Cold formed metal framing system
05400.02 Metal stud(s)
05400.03 Track
05400.04 Deflection track
05400.05 Channel bridging
05400.06 Exterior gypsum sheathing
05900.01 Miscellaneous metal materials
05900.03 Galvanized loose lintels - Refer to Loose Lintel Schedule on Structural Drawings
05900.05 Steel handrail assembly
05900.04 Steel guardrail assembly
05900.06 Steel pan stair assembly
05900.05 Security Screens
06100.01 Pressure treated wood blocking
06100.02 Wood blocking
06100.01 Pressure treated plywood
06100.04 Plywood
06100.03 Pressure treated wood framing
06100.06 Wood framing
06100.01 Hanger
06200.01 Hardwood trim, stain finish
06200.02 Softwood trim, paint finish
06200.03 Veneer plywood
06200.04 Vertical T & G Cedar Siding to match existing
07100.01 Exterior sealant
07100.03 Interior sealant
07100.05 Exterior sealant and backer rod
07100.04 Interior sealant and backer rod
07100.05 Dampproofing
07100.06 Backer rod
07200.01 Fiberglass batt insulation
07200.02 Rigid insulation
07200.03 Fire safing insulation
07200.04 Vapor Barrier
07500.01 Modified Bitumen roofing system
07500.03 Flashing
07500.03 Roof edge fascia/gravel stop
07500.04 Metal hook strip/cleat
07500.05 Rigid insulation
07500.06 Tapered rigid insulation
07500.07 Pre-formed metal
07500.03 Gutters
07500.04 Eryhm
07500.10 Not used
07500.11 Brake metal
07500.12 Metal fascia
07500.13 Lead coated flashing
07500.14 Downspouts
07500.15 Splash Blocks
07500.16 Crickets (1/4" slope)
07500.17 Expansion joints
07500.18 Scupper
07500.14 Termination Bar
07500.01 Skylight
08110.01 Hollow metal frame - Refer to Door Schedule
08110.02 Hollow metal door - Refer to door schedule
08210.01 Wood door - Refer to Door Schedule
08500.01 Aluminum window(s)
08500.02 Anchor clip
08500.03 Insect screen
08500.04 Sealant
08500.05 Alum. insulated panel
08500.06 Curtain wall
08500.07 Alum. panning
08500.03 Sealant
08710.00 Finish hardware
08500.01 Float glass
08500.02 Tempered glass
08500.03 Fire glass
08500.04 Laminated glass
08500.05 Insulating glass
08500.00 Curtain wall
09300.01 Lathe & Plaster
09250.01 Gypsum board wall construction
09250.02 Gypsum board ceiling construction
09250.03 Metal stud(s)
09250.04 Metal stud track
09250.05 Furring channel
09250.06 Cold rolled channel
09250.07 Gypsum wall board
09250.08 Moisture-resistant gypsum board
09250.09 Fire-resistant gypsum board
09250.10 Control joint
09250.11 Corner bead
09250.12 Ceiling bead
09250.13 Deflection track
09250.14 Acoustical insulation
09250.15 Concu. board
09250.16 1" Shaft Liner
09500.01 Ceramic wall tile
09500.02 Ceramic floor tile
09500.03 Ceramic tile base
09500.00 Patch Terrazzo
09500.01 Acoustical tile/panel ceiling system
09500.02 Pre-finished metal suspension system
09500.03 Pre-finished metal trim
09500.04 1 x 1 ACT Panels adhered
09650.01 Vinyl composition tile
09650.02 Sheet flooring
09650.03 Vinyl base
09650.04 One piece rubber stair tread and riser
09650.05 Rubber flooring - seamless
09683.01 Carpeting
09705.01 Composite synthetic gym flooring
10100.01 Chalkboards, markerboards, tack-boards
10150.01 Compartments & cubicles
10200.01 Louvers & vents
10400.01 Identifying devices
10500.01 Toilet paper dispenser - TPD
10500.02 Sanitary napkin receptacle - SNR
10500.03 Sanitary napkin/tampon dispenser - SND
10500.04 Paper Towel dispenser/receptacle - PTD/R
10500.05 5'-6" Knurled grab bar - GB
10500.06 Wall mounted soap dispenser - WSD
10500.07 Not Used
10500.08 Mirror with stainless steel frame
10500.09 Mop rack/shelf assembly
10110.01 Fire extinguisher
10110.02 Fire extinguisher and cabinet
10110.03 Expansion joints
11132.01 Projection Screens
11450.01 Gymnasium equipment
12500.01 Fixed Casework
12500.01 Window treatment
13110.01 Floor mats & frames
14200.01 Elevators
15400.01 Plumbing - Refer to Plumbing Drawings
15400.03 Drinking fountain/Electric water cooler; Handicapped accessible - Refer to Plumbing Drawings
15400.04 Water closet - Handicapped accessible - HCWC
15400.05 Water closet - WC
15400.06 Urinal - Handicapped accessible - HCUR
15400.07 Urinal - UR
15400.08 Lavatory
15400.09 Lavatory - Handicapped accessible
15400.10 Floor drain - Refer to Plumbing Drawings
15400.11 Roof drain - Refer to Plumbing Drawings
15500.01 Mechanical unit - Refer to HVAC Drawings
15500.02 Ductwork - Refer to HVAC Drawings
15500.03 HVAC piping - Refer to HVAC Drawings
15500.04 Finned radiation
16000.01 Electrical fixture - Refer to Electrical Drawings
16000.02 Exit sign - Refer to Electrical Drawings
16000.03 Clock refer to Electrical
16000.04 Speaker refer to Electrical
16160.01 Technical systems

Stamp:

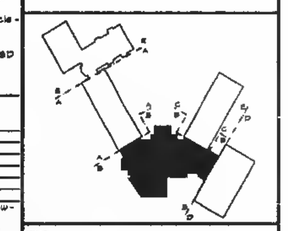
Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Additions and Alterations to the

Pine Hill School

Sherborn, Massachusetts



Title:

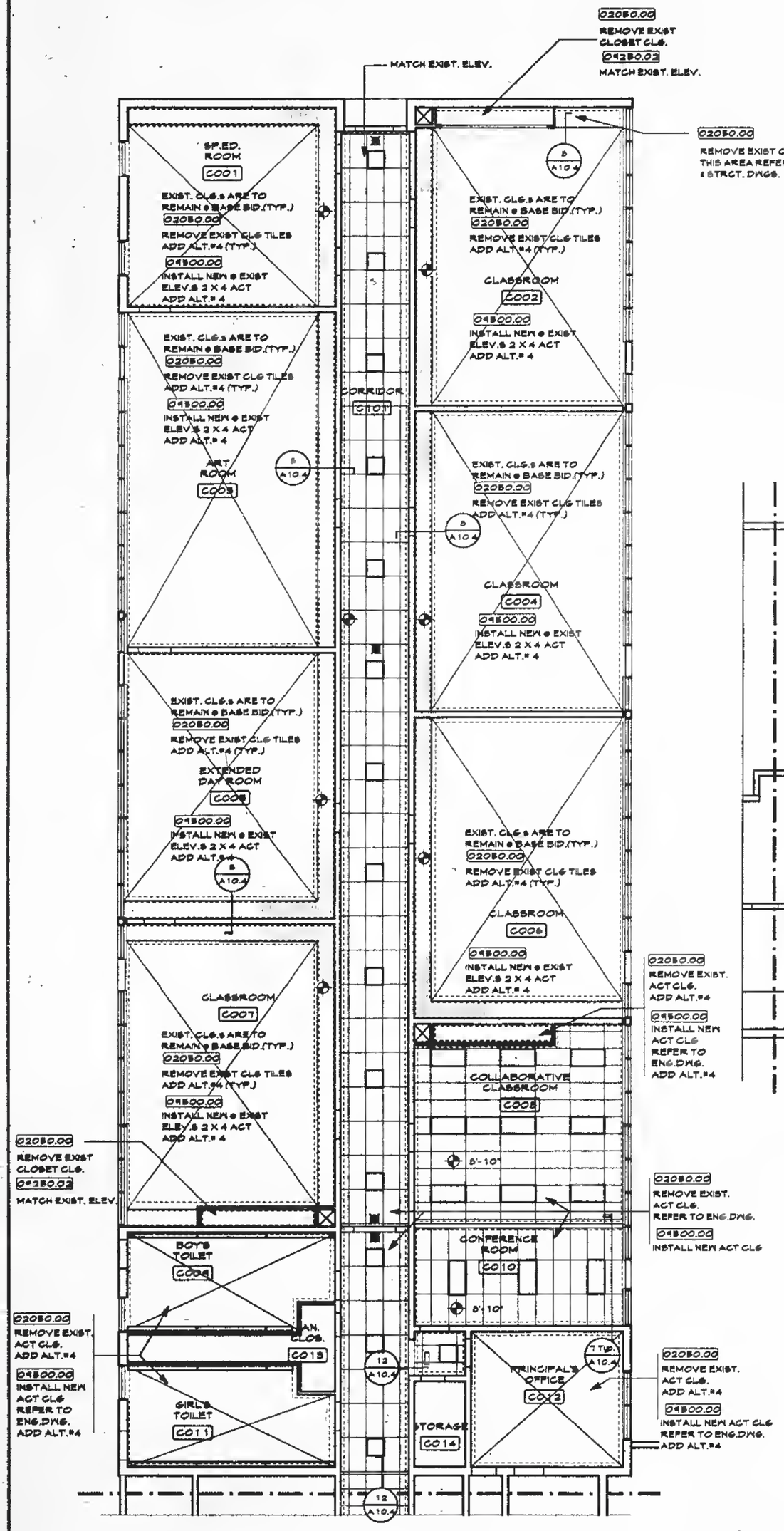
Reflected Ceiling Plan Block "B"

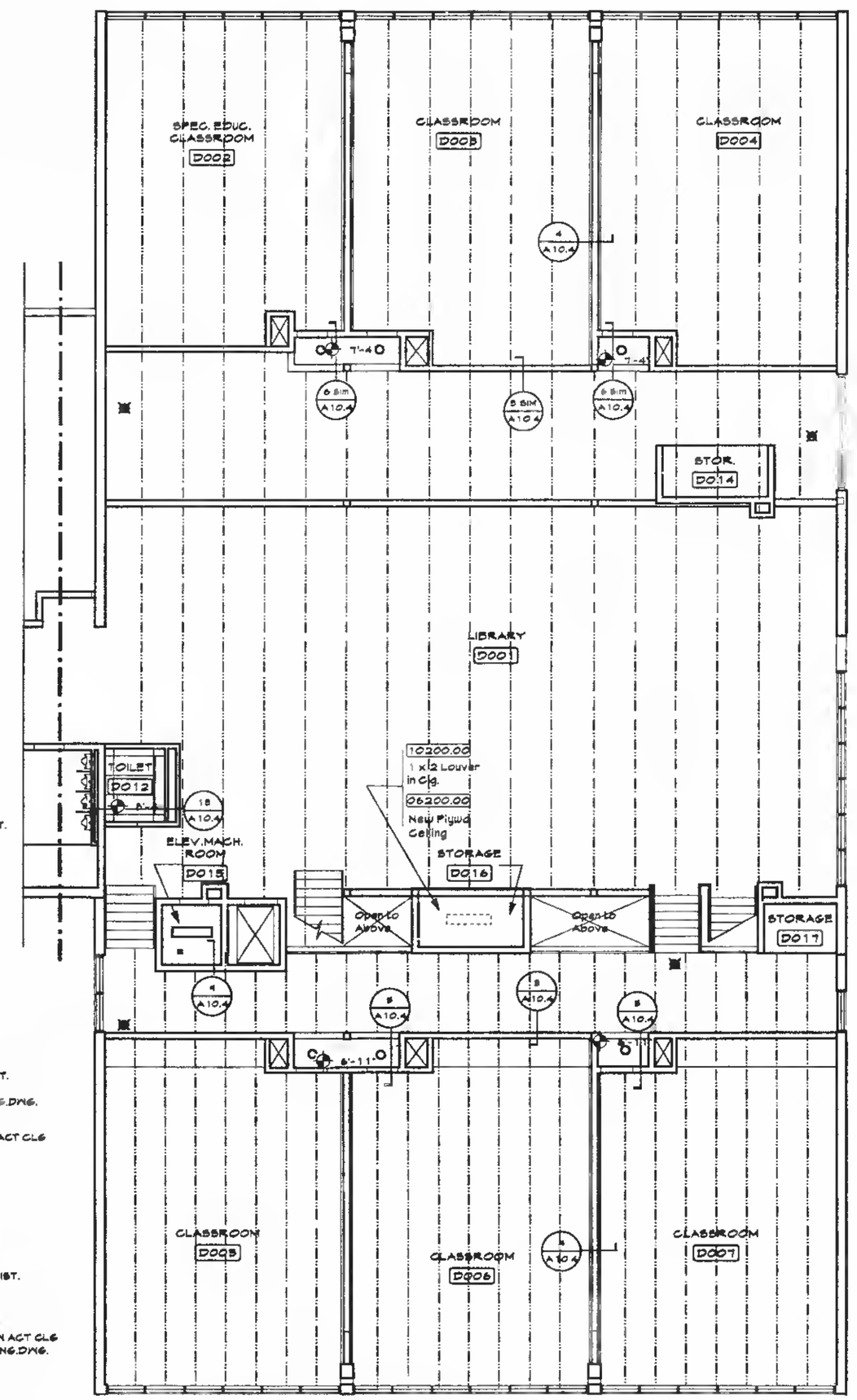
Date: 3/20/97 Drawn By: SFW

Scale: 1/8"=1'-0" Job No.: 9606.0

Sheet:

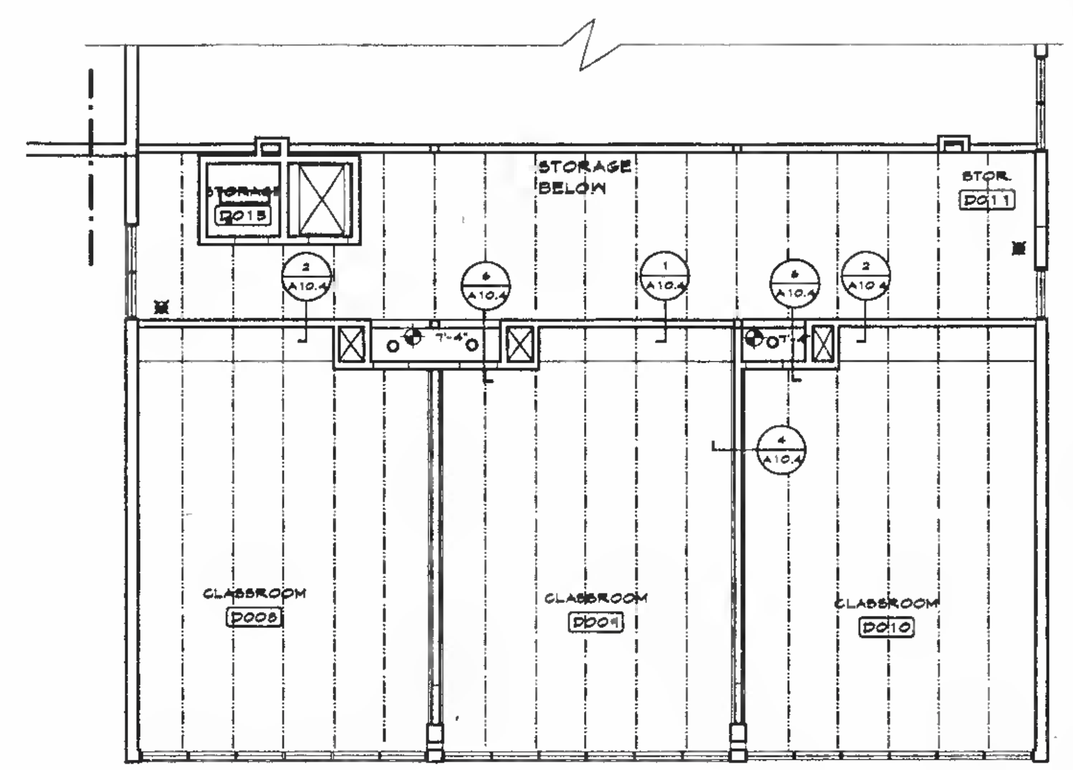
A10.2





LEGEND

- EXIST CLG DEMO'D W/NEW GWB CLG.
- NEW GWB CLG.
- REMOVE EXIST. ACT CLG INSTALL NEW ACT CLG. AT ADD ALT.#4 MATCH EXIST. ELEV. TYP.
- NEW 2 X 4 ACT CLG.
- EXIT SIGN
- DOWNLIGHT
- 1 X 4 LIGHT FIXTURE
- 2 X 2 LIGHT FIXTURE
- 2 X 4 LIGHT FIXTURE



(2) RCP Block "D"

(3) RCP Block "D" Mezzanine

03500.01	Concrete fill on metal decking - Refer to Structural Drawings
03500.02	Concrete foundation/footing - Refer to Structural Drawings
03500.03	Concrete slab on grade - Refer to Structural Drawings
04200.01	Masonry veneer wall construction
04200.02	Load bearing masonry wall construction
04200.03	Face Brick
04200.04	Reinforcing
04200.05	Flashing
04200.06	Grout
04200.07	Control joints
04200.08	Parapet
04200.09	2" Rigid insulation
04200.10	Thru wall flashing
04200.11	CMU
04200.12	Precast Concrete
04200.13	Split Rib CMU
04200.14	Ground face CMU
04200.15	Weep Holes
04200.16	Sound Block CMU
04200.17	Center Scored CMU
04200.18	Glass Block
05100.01	Structural steel - Refer to Structural Drawings
05100.02	Steel beam/column - Refer to Structural Drawings
05200.01	Steel joists - Refer to Structural Drawings
05200.02	Joist seat - Height varies - Refer to Structural Drawings
05300.01	Metal decking - Refer to Structural Drawings
05300.02	Pour stop/Slab closure
05300.03	Patch roof deck - refer to structural drawings
05400.01	Cold formed metal framing system
05400.02	Metal stud(s)
05400.03	Track
05400.04	Deflection track
05400.05	Channel bridging
05400.06	Exterior gypsum sheathing
05500.01	Miscellaneous metal materials
05500.02	Galvanized loose lintels - Refer to Loose Lintel Schedule on Structural Drawings
05500.03	Steel handrail assembly
05500.04	Steel guardrail assembly
05500.05	Steel pan stair assembly
05500.06	Security Screens
06100.01	Pressure treated wood blocking
06100.02	Wood blocking
06100.03	Pressure treated plywood
06100.04	Plywood
06100.05	Pressure treated wood framing
06100.06	Wood framing
06100.07	Verger
06200.01	Hardwood trim, stain finish
06200.02	Softwood trim, paint finish
06200.03	Veneer plywood
06200.04	Vertical T & G Cedar siding to match existing
07100.01	Exterior sealant
07100.02	Interior sealant
07100.03	Exterior sealant and backer rod
07100.04	Interior sealant and backer rod
07100.05	Dampproofing
07100.06	Backer rod
07200.01	Fiberglass batt insulation
07200.02	Rigid insulation
07200.03	Fire sealing insulation
07200.04	Vapor Barrier
07500.01	Modified Bitumen roofing system
07500.02	Flashing
07500.03	Roof edge fascia/gravel stop
07500.04	Metal hook strip/Cleat
07500.05	Rigid insulation
07500.06	Tapered rigid insulation
07600.01	Pre-formed metal
07600.02	Gutters
07600.03	EPDM
07600.10	Not Used
07600.11	Break metal
07600.12	Metal fascia
07600.13	Lead coated flashing
07600.14	Downspouts
07600.15	Splash Blocks
07600.16	Crickets (1/4" slope)
07600.17	Expansion joint
07600.18	Scupper
07600.19	Termination Bar
07600.01	Skylight
08110.01	Hollow metal frame - Refer to Door Schedule
08110.02	Hollow metal door - Refer to door schedule
08210.01	Wood door - Refer to Door Schedule
08500.01	Aluminum window(s)
08500.02	Anchor clip
08500.03	Insect screen
08500.04	Sealant
08500.05	Alum. insulated panel
08500.06	Curtain wall
08500.07	Alum. panning
08500.08	Sealant
08710.00	Finish Hardware
08800.01	Float glass
08800.02	Tempered glass
08800.03	Wire glass
08800.04	Laminated glass
08800.05	Insulating glass
08400.00	Curtain wall
09200.01	Lathe & Plaster
09250.01	gypsum board wall construction
09250.02	gypsum board ceiling construction
09250.03	Metal stud(s)
09250.04	Metal stud track
09250.05	Furring channel
09250.06	Cold rolled channel
09250.07	gypsum wallboard
09250.08	Moisture-resistant gypsum board
09250.09	Fire-resistant gypsum board
09250.10	Control joint
09250.11	Corner bead
09250.12	Casing bead
09250.13	Deflection track
09250.14	Acoustical insulation
09250.15	Cons board
09250.16	1" Shaft Liner
09400.01	Ceramic wall tile
09400.02	Ceramic floor tile
09400.03	Ceramic tile base
09400.04	Pitch Pocket
09500.01	Acoustical tile/panel ceiling system
09500.02	Pre-finished metal suspension system
09500.03	Pre-finished metal trim
09500.04	1 x 1 ACT Panels edged
09650.01	Vinyl composition tile
09650.02	Sheet flooring
09650.03	Vinyl base
09650.04	One piece rubber stair tread and riser
09650.05	Rubber flooring - seamless
09680.01	Carpeting
09700.01	Composite synthetic gym flooring
10100.01	Chalkboards markerboards, tackboards
10150.01	Compartments & cubicles
10200.01	Louvers & vents
10400.01	Identifying devices
10500.01	Toilet paper dispenser - TPD
10500.02	Sanitary napkin receptacle - SNR
10500.03	Sanitary napkin/tampon dispenser - SND
10500.04	Paper towel dispenser/receptacle - PTD/R
10500.05	8-9" Knurled grab bar - GB
10500.06	Wall mounted soap dispenser - WSD
10500.07	Not Used
10500.08	Mirror with stainless steel frame
10500.09	Mop rack/shelf assembly
10440.01	Fire extinguisher
10440.02	Fire extinguisher and cabinet
10400.03	Expansion joints
11182.01	Projection Screens
11400.01	Gymnasium equipment
12800.01	Fixed casework
12800.01	Window treatment
12400.01	Floor mats & frames
14200.01	Elevators
15400.01	Plumbing - Refer to Plumbing Drawings
15400.02	Drinking fountain/Electric water cooler, Handicapped accessible - Refer to Plumbing Drawings
15400.03	Water closet - Handicapped accessible - HCWC
15400.04	Water closet - WC
15400.05	Urinal - Handicapped accessible - HCUR
15400.06	Urinal - UR
15400.07	Lavatory
15400.08	Lavatory - Handicapped accessible
15400.10	Floor drain - Refer to Plumbing Drawings
15400.11	Roof drain - Refer to Plumbing Drawings

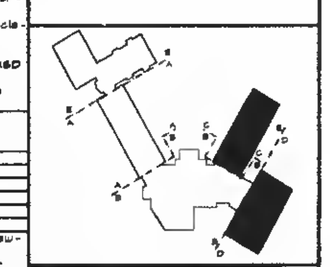
Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Additions and Alterations to the

Pine Hill School

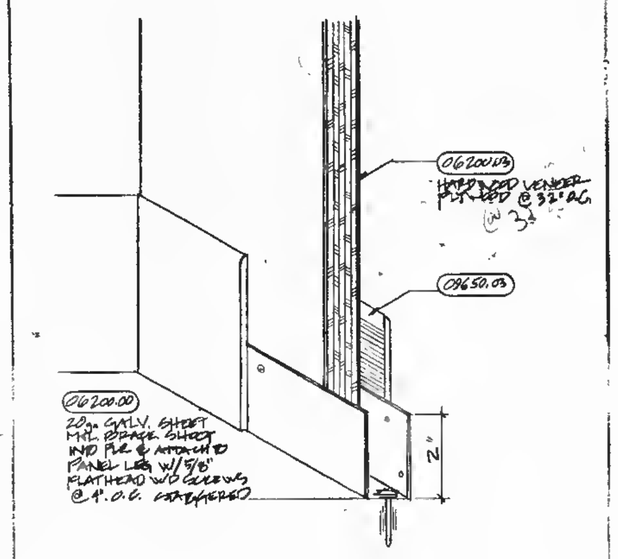
Sherborn, Massachusetts



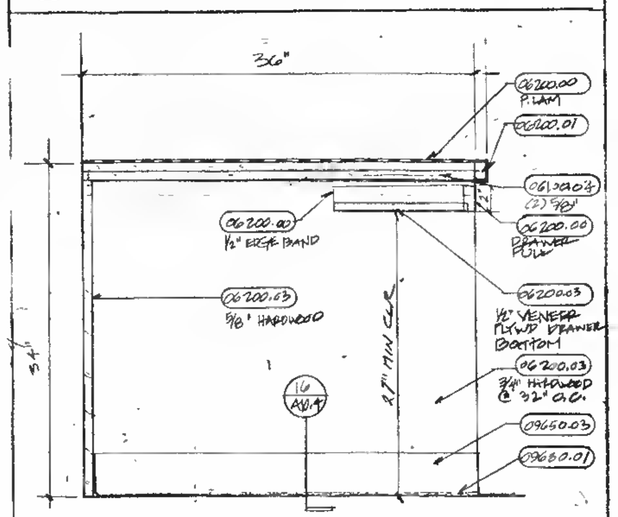
Title:

Reflected Ceiling Plan Block "C, D" and "D Mezz."

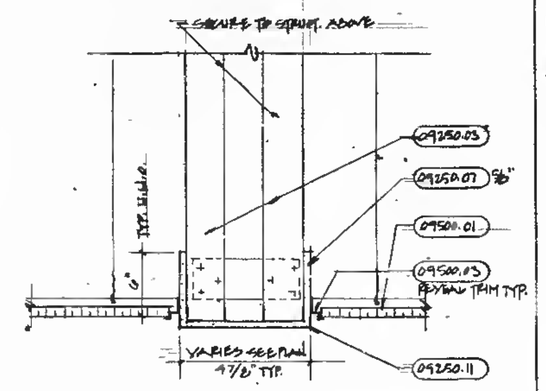
Date: 3/20/97 Drawn By: SFW



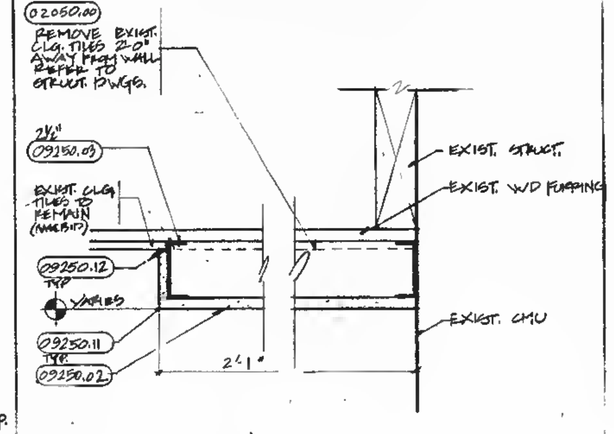
16 PANEL LEG FLOOR ATTACHMENT
1/2 SIZE



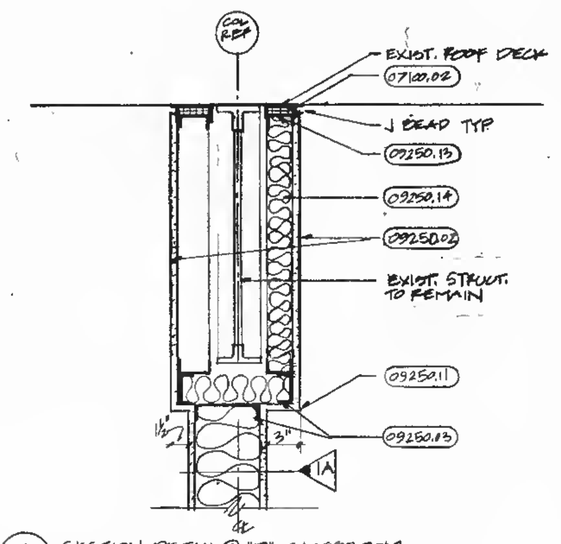
15 SECTION @ COUNTER
SCALE: 1 1/2"=1'-0"



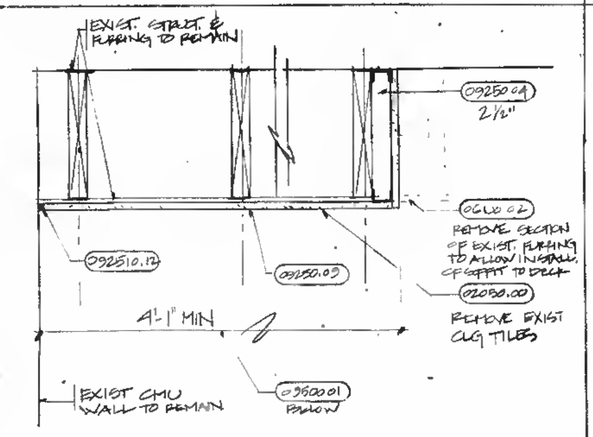
12 DETAIL @ TYPICAL SOFFIT
1 1/2" = 1'-0"



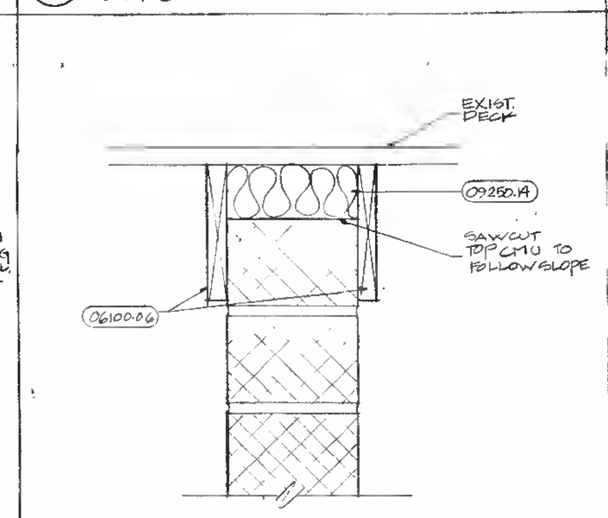
8 SOFFIT IN CLASSROOMS
3" = 1'-0"



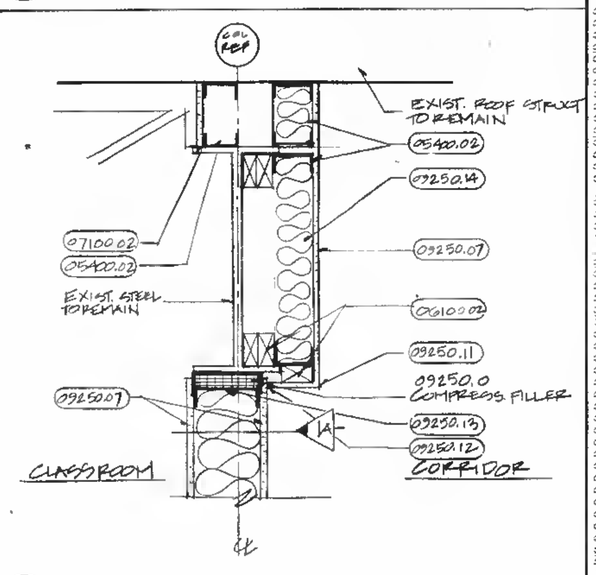
4 SECTION DETAIL @ "D" CLASSROOM
1 1/2" = 1'-0"



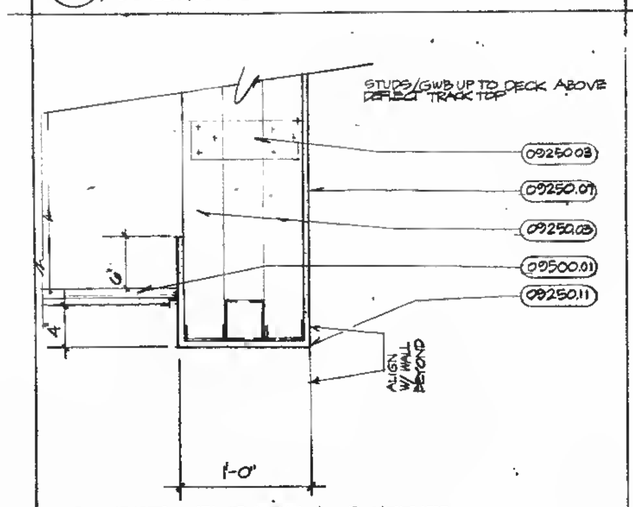
11 DTL. @ FIRE WALL CLG
1" = 1'-0"



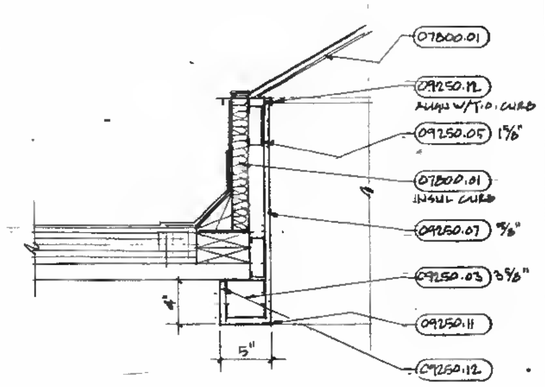
7 NEW CMU @ ROOF DECK
1 1/2" = 1'-0"



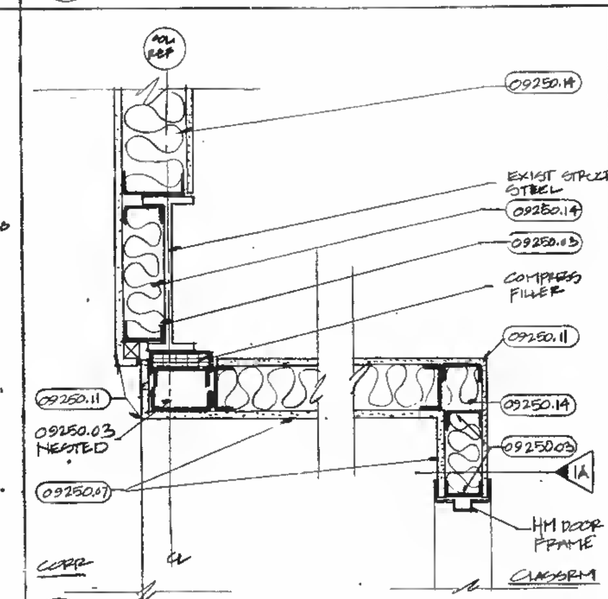
3 SECTION DETAIL @ "D" SOFFIT LOWER LEVEL
1 1/2" = 1'-0"
OPPOSITE SIM. @ 1ST FLOOR CLASSROOMS



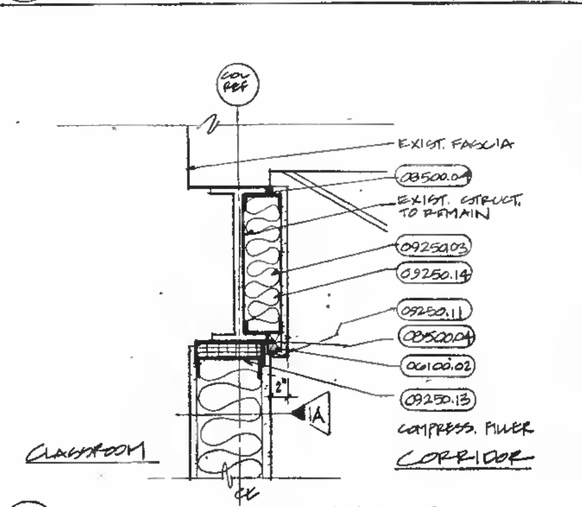
14 DET. @ END WALL SOFFIT
SCALE: 1 1/2"=1'-0"



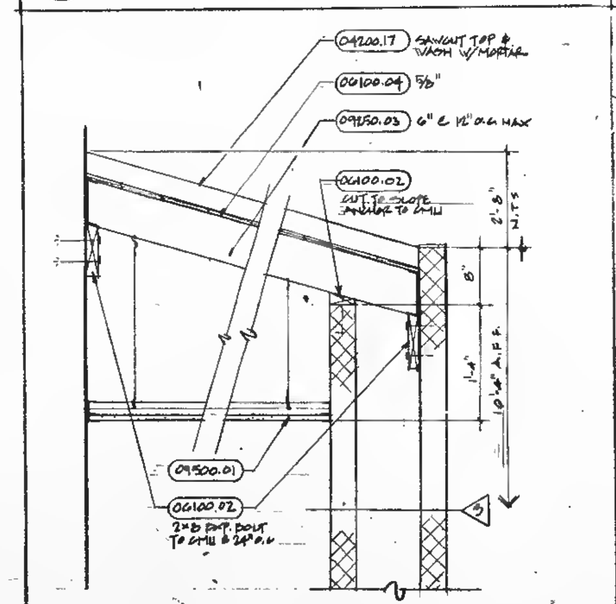
10 DETAIL @ TYPICAL SKYLIGHT
1 1/2" = 1'-0" SEE ROOF PLANS A2.5 & A2.6



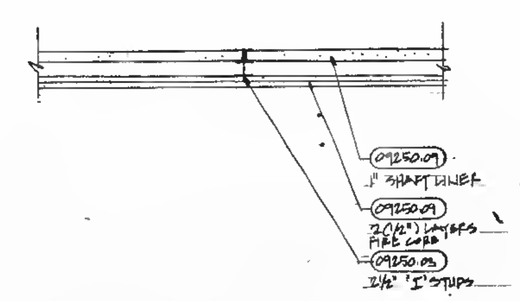
6 SECTION @ CLASSRM DOOR MEZZANINE BLOCK "D"
1 1/2" = 1'-0"



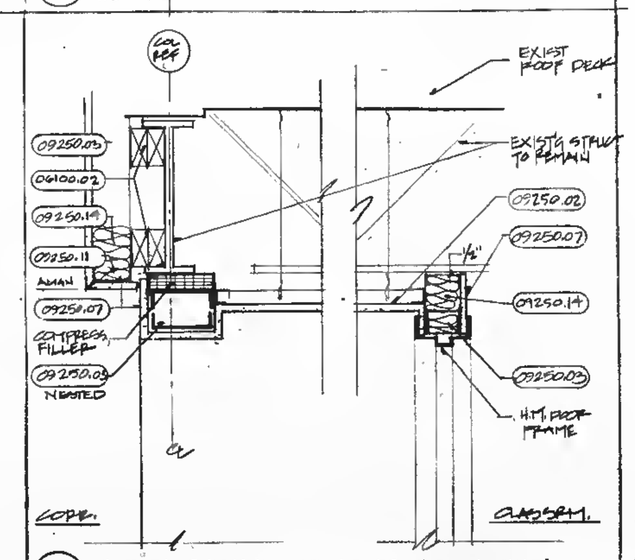
2 SECTION DETAIL @ BLOCK "D" SOFFIT
1 1/2" = 1'-0"



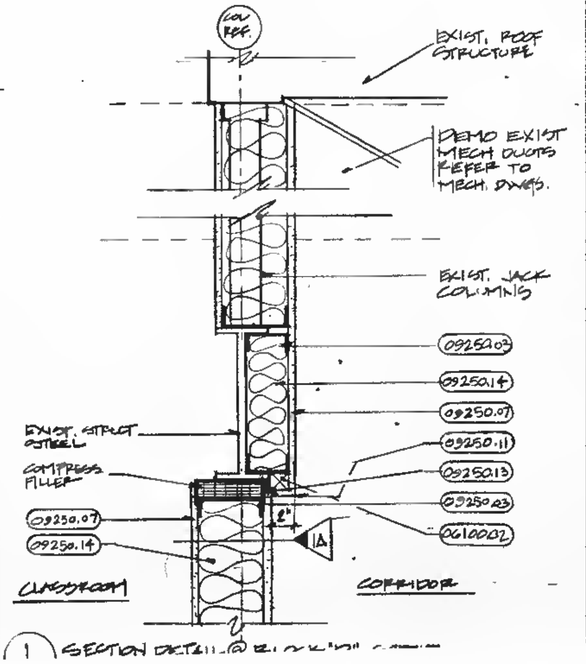
13 SECTION DETAIL @ 'D' - TOILET
1" = 1'-0"



9 DETAIL @ 2 HR. CEILING UL DESIGN U497
1 1/2" = 1'-0"



5 SECTION AT CLASSRM DOOR LOWER LEVEL BLOCK "D"
1 1/2" = 1'-0"



1 SECTION DETAIL @ BLOCK "D"

KEYNOTES

02300.00	Earthworks
02230.00	Demolition
03300.01	Concrete - Refer to Structural Drawings
03300.02	Concrete foundation/footing - Refer to Structural Drawings
03300.03	Concrete slab on grade - Refer to Structural Drawings
04200.01	Masonry veneer wall construction
04200.02	Load bearing masonry wall construction
04200.03	Face Brick
04200.04	Reinforcing
04200.05	Flashing
04200.06	Grout
04200.07	Control joint
04200.08	Pointing
04200.09	2" Rigid insulation
04200.10	Thru wall flashing
04200.11	CMU
04200.12	Precast concrete
04200.13	Split face CMU
04200.14	Ground face CMU
04200.15	Keep blocks
04200.16	Bound Block CMU
04200.17	Center scored CMU
04200.18	Glass Block
05100.01	Structural steel - Refer to Structural Drawings.
05100.02	Steel beam/column - Refer to Structural Drawings
05200.01	Steel joists - Refer to Structural Drawings
05200.02	Joist seat - height varies - Refer to Structural Drawings
05300.01	Metal decking - Refer to Structural Drawings
05300.02	Floor stop/slab closure
05300.03	Patch roof deck - refer to structural drawings
05400.01	Cold formed metal framing system
05400.02	Metal studs
05400.03	Track
05400.04	Deflection track
05400.05	Channel bracing
05400.06	Exterior gypsum sheathing
05500.01	Misc. metal metal - Refer as
05500.02	Galvanized steel lintels - Refer to Structural Drawings
05500.03	Steel ramp assembly
05500.04	Steel stairs assembly
05500.05	Steel railing assembly
05500.06	Security screens
06100.01	Pressure treated wood blocking
06100.02	Wood blocking
06100.03	Pressure treated wood
06100.04	Furring
06100.05	Pressure treated furring
06100.06	Wood framing
06100.07	Wedges
06200.01	Hardwood trim paint finish
06200.02	Softwood trim paint finish
06200.03	Veneer plywood
06200.04	Vertical T&G Cedar Siding to match existing
07100.01	Exterior sealant
07100.02	Interior sealant
07100.03	Exterior sealant and preparation
07100.04	Interior sealant and preparation
07100.05	Caulking
07100.06	Backer rod
07200.01	Fiberglass batt insulation
07200.02	Rigid insulation
07200.03	Thermal insulation
07200.04	Vapor barrier
07200.05	Water resistive barrier/flashing system
07500.01	Flashing
07500.02	Roof edge/fascia/parapet cap
07500.03	Metal roof sheathing/deck
07500.04	Roofing felt
07500.05	Tapered roofing insulation
07500.06	Preformed metal
07500.07	Gutters
07500.08	EPDM
07500.09	Not used
07500.10	Brake metal
07500.11	Metal fascia
07500.12	Lead coated flashing
07500.13	Downspouts
07500.14	Repair blocks
07500.15	Cricket/ridge/slope
07500.16	Expansion joints
07500.17	Sleeper
07500.18	Termination bar
07500.19	Skylight
08110.01	Hollow metal frame - Refer to door schedule
08110.02	Hollow metal door - Refer to door schedule
08210.01	Wood door - Refer to door schedule
08300.01	Aluminum window(s)
08300.02	Anchor clip
08300.03	Insect screen
08300.04	Sealant
08300.05	Alum. insulated pane
08300.06	Curtain wall
08300.07	Alum. panning
08300.08	Sealant
08710.00	Finish hardware
08800.01	Float glass
08800.02	Tempered glass
08800.03	Fire glass
08800.04	Laminated glass
08800.05	Insulating glass
08900.01	Curtain wall
09200.01	Lathe & plaster
09250.01	Gypsum board wall construction
09250.02	Gypsum board ceiling construction
09250.03	Metal stud(s)
09250.04	Metal stud track
09250.05	Furring channel
09250.06	Cold rolled channel
09250.07	Gypsum wall board
09250.08	Moisture-resistant gypsum board
09250.09	Fire-resistant gypsum board
09250.10	Control joint
09250.11	Corner bead
09250.12	Casing bead
09250.13	Deflection track
09250.14	Acoustical insulation
09250.15	Cove board
09250.16	1" Shaft Liner
09500.01	Ceramic wall tile
09500.02	Ceramic floor tile
09500.03	Ceramic tile base
09400.00	Resilin Terrazzo
09500.01	Acoustical lay-in ceiling system
09500.02	Pre-finished metal suspension system
09500.03	Pre-finished metal trim
09500.04	1 x 1 AC Panels adhered
09650.01	Vinyl composition tile
09650.02	Sheet flooring
09650.03	Vinyl base
09650.04	One piece rubber stair tread and riser
09650.05	Rubber flooring - seamless
09680.01	Carpeting
09700.01	Composite synthetic gym flooring
10100.01	Chalkboards markerboards tackboards
10180.01	Compartments & cubicles
10200.01	Louvers & vents
10400.01	Identifying devices
10800.01	Toilet paper dispenser - TPD
10800.02	Sanitary napkin receptacle - SNR
10800.03	Sanitary napkin/tampon dispenser - SND
10800.04	Paper Towel dispenser/receptacle - PTD/R
10800.05	5'-6" Knurled grab bar - GB
10800.06	Pull mounted soap dispenser - MSD
10800.07	Not used
10800.08	Mirror with stainless steel frame
10800.09	Hospitality shelf assembly
11400.01	Fire extinguisher
11400.02	Fire extinguisher and cabinet
11400.03	Extinguisher bracket
11500.01	Projection screens
11800.01	Gymnasium equipment
12000.01	Roller blinds
12500.01	Window treatments
13400.01	Room metal frames
14200.01	Elevators
15400.01	Plumbing - Refer to Plumbing Drawings
15400.03	Drinking fountain/electric water cooler, Handicapped accessible - Refer to Plumbing Drawings
15400.04	Water closet - Handicapped accessible - HCWC
15400.05	Water closet - WC
15400.06	Urinal - Handicapped accessible - HCUR
15400.07	Urinal - UR
15400.08	Lavatory
15400.09	Lavatory - Handicapped accessible
15400.10	Floor drain - Refer to Plumbing Drawings
15400.11	Roof drain - Refer to Plumbing Drawings
15600.01	Mechanical unit - Refer to HVAC Drawings
15600.02	Ductwork - Refer to HVAC Drawings
15600.03	HVAC piping - Refer to HVAC Drawings
15600.04	Fin tubes radiation
16000.01	Electrical fixture - Refer to Electrical Drawings

Stamp:

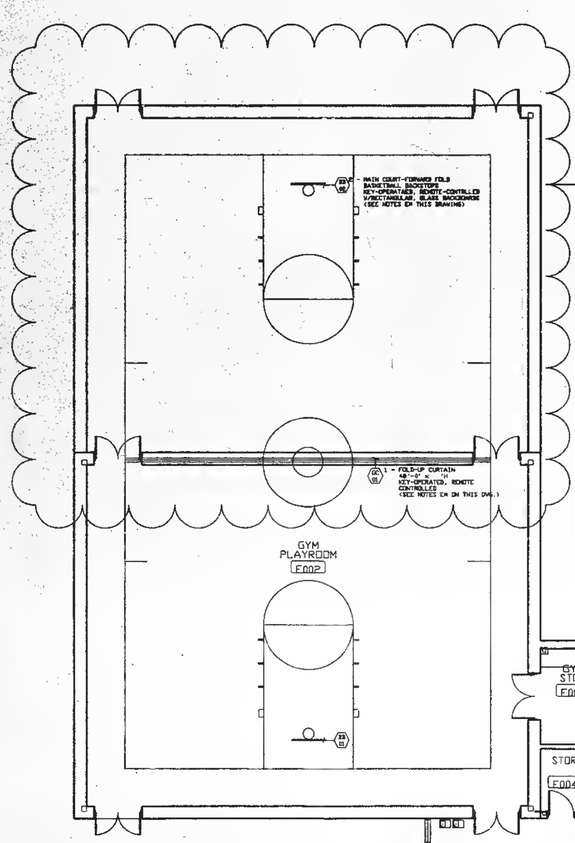
Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

Title:
Reflected Ceiling Plan Details

Date: 3/20/97 Drawn By: SW
Scale: As Noted Job No.: 9606.00
Sheet:
A104



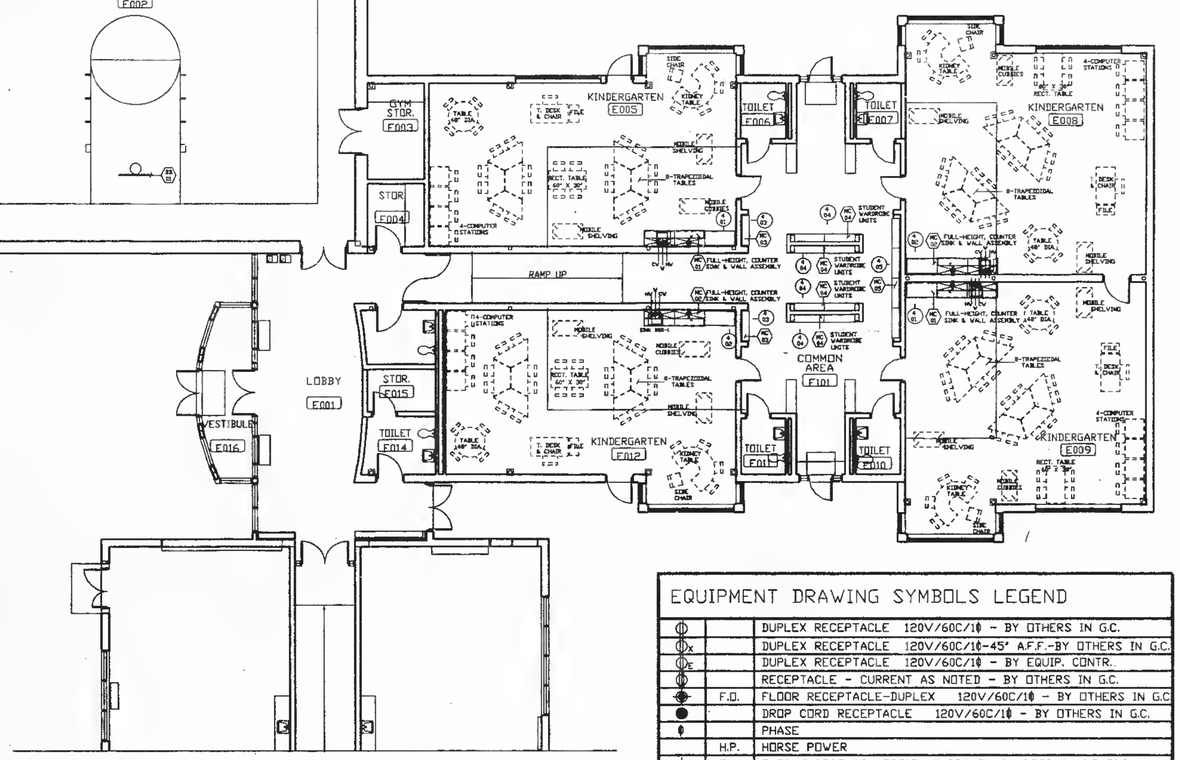
ITEMS BB-02 & GC-01 TO BE PROVIDED UNDER ADD ALTERNATE NUMBER 2.

E# ELECTRICAL REQUIREMENTS:
(BACKSTOPS & FOLD-UP CURTAIN)

1. ELECTRICAL SUB-CONTRACTOR SHALL PROVIDE EACH BACKSTOP (2) AND FOLD-UP CURTAIN (1) WITH A JUNCTION BOX WITH A 208V RECEPTACLE TO ACCOMMODATE A 3/4 HP, 208V/60C/1 PHASE MOTOR W/CORD & PLUG.
2. JUNCTION BOXES SHALL BE LOCATED IN STRUCTURE ABOVE BACKSTOPS AND FOLD-UP CURTAIN. EXACT LOCATION SHALL BE FIELD COORDINATED WITH THE EQUIPMENT SUB-CONTRACTOR.
3. VOLTAGE AT JUNCTION BOXES SHALL BE FULL 208-VOLTS.
4. MOTORS SHALL BE CONTROLLED BY KEY-OPERATED SWITCHES (TOTAL-3) MOUNTED IN CONTROL PANEL BY ELECTRICAL SUB-CONTRACTOR. SUCH PANEL SHALL BE LOCATED BY ARCHITECT.
5. KEY-OPERATED SWITCHES SHALL BE FURNISHED BY EQUIPMENT SUB-CONTRACTORS. ALL INSTALLATION, WIRING, AND MATERIALS SHALL BE BY THE ELECTRICAL SUB-CONTRACTOR.

GENERAL NOTES:

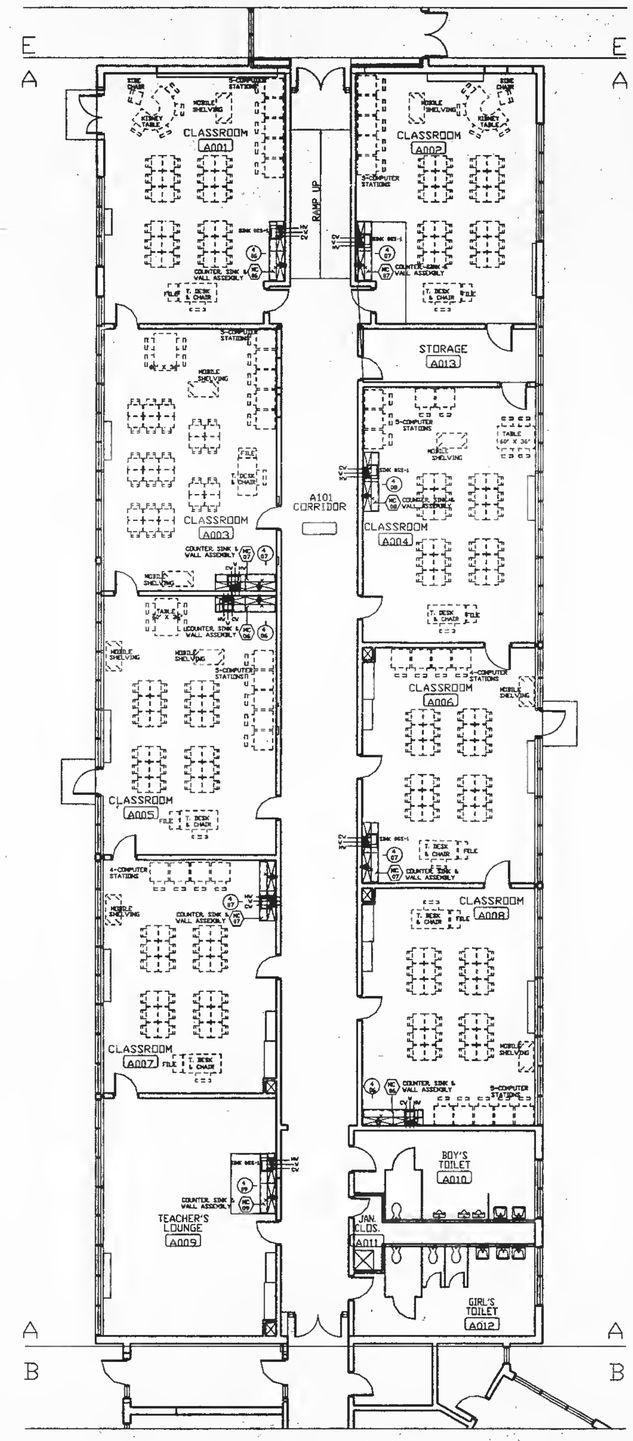
1. IT IS THE INTENT OF THESE DRAWINGS AND SPECIFIATIONS TO ABIDE BY THE 'AMERICANS WITH DISABILITIES ACT' REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH SUCH REGULATIONS AND PROVIDE AND INSTALL A PRODUCT WHICH MEETS OR EXCEEDS SUCH REGULATIONS.
2. ALL FIXED CASEWORK SHOWN ON THESE DRAWINGS AND IDENTIFIED WITH AN 'MC', ITEM NUMBER SHALL BE BID AS PART OF THE GENERAL CONTRACT.
3. FURNISH PLUMBING AND ELECTRICAL FIXTURES INCLUDING NIPPLES AND LOCKNUTS REQUIRED FOR MOUNTING IN OR ON THE EQUIPMENT. 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 ALLINTERNAL PIPING AND WIRING, AND FINAL CONNECTIONS TO THE EQUIPMENT SERVICE FIXTURES, AS PART OF THE GENERAL CONTRACTOR.
4. FURNISH SINKS, INCLUDING OVERFLOWS, PLUGS, STRAINERS AND TAILPIECES REQUIRED FOR MOUNTING IN THE EQUIPMENT. INSTALL BASINS IN THE CABINETWORK. 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 THE BACKS OF WORK SURFACES, AS PART OF THE GENERAL CONTRACT.
5. FURNISH ALL ITEMS REQUIRING DIRECT AIR EXHAUST, SUCH AS FUME HOODS, VENTED CABINETS AND SPRAY BOOTHS, WITH DUCT CONNECTION STUB 1-1/2' HIGH. THE FURNISHING, INSTALLING AND CONNECTING OF ALL DUCTWORK, BLOWERS, BLOWER MOTORS, PLATFORMS, SWITCHES AND OTHER EXHAUST SYSTEM COMPONENTS FROM EQUIPMENT DUCT STUB CONNECTION TO THE ATMOSPHERE, ON ALL EQUIPMENT REQUIRING DIRECT MECHANICAL EXHAUSTING, SUCH AS FUME HOODS, VENTED CABINETS AND SPRAY BOOTHS, SHALL BE BY THE MECHANICAL SUB-CONTRACTOR AS PART OF THE GENERAL CONTRACT.
6. EQUIPMENT ITEMS SHOWN DOTTED ARE NOT INCLUDED IN THE GENERAL CONTRACT, UNLESS OTHERWISE NOTED, BUT ARE SHOWN FOR REFERENCE AND COORDINATION PURPOSES. PLUMBING, ELECTRICAL AND HVAC SUB-CONTRACTORS SHALL PROVIDE FINAL CONNECTIONS AND RELATED COMPONENTS FOR SAME, AND AS DESCRIBED UNDER GENERAL NOTES 3, 4, & 5 ABOVE, AS PART OF THE GENERAL CONTRACT.



EQUIPMENT DRAWING SYMBOLS LEGEND

		DUPLEX RECEPTACLE 120V/60C/1Φ - BY OTHERS IN G.C.
		DUPLEX RECEPTACLE 120V/60C/1Φ-45' A.F.F.-BY OTHERS IN G.C.
		DUPLEX RECEPTACLE 120V/60C/1Φ - BY EQUIP. CONTR.
		RECEPTACLE - CURRENT AS NOTED - BY OTHERS IN G.C.
	F.D.	FLOOR RECEPTACLE-DUPLEX 120V/60C/1Φ - BY OTHERS IN G.C
		DROP CORD RECEPTACLE 120V/60C/1Φ - BY OTHERS IN G.C.
		PHASE
	H.P.	HORSE POWER
	E.	ELEC. DIRECT CONNECTION-CURRENT AS NOTED-BY OTHERS IN G.C
	E.S.	PANIC PUTTON - RECOMMENDED LOCATIONS-BY OTHERS IN G.C.
		SINGLE FACED PEDESTAL BOX-DUPLEX RECEP.-BY EQUIP. CONTR.
		DOUBLE FACED PEDESTAL BOX-DUPLEX RECEP.-BY EQUIP. CONTR.
	C.W.	COLD WATER
	H.W.	HOT WATER
	W.	WASTE
	G.	GAS
	A.	AIR
	I.D.	INDIRECT WASTE
	G2	DOUBLE GAS TURRET - 90 DEGREES
	A	AIR OUTLET
	W/	WITH
	S/S	STAINLESS STEEL
	KS	KNEE SPACE
	CFM	CUBIC FEET PER MINUTE
	AFF	ABOVE FINISHED FLOOR
	C&P	CORD AND PLUG
	NOP	NOT ON PLAN

1 / A2.1 Block 'E' Floor Plan 1/8"=1'-0"



2 / A2.1 Block 'A' Floor Plan 1/8"=1'-0"

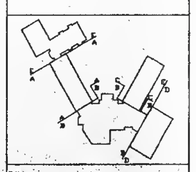
LEGEND:
NEW WALL
EXISTING WALL

Stamp

OSO INTERIORS INC
121 EAST FOSTER STREET
MILLBURY, MASSACHUSETTS
02176 - (617) 246-4944

A. Anthony Tappe' & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

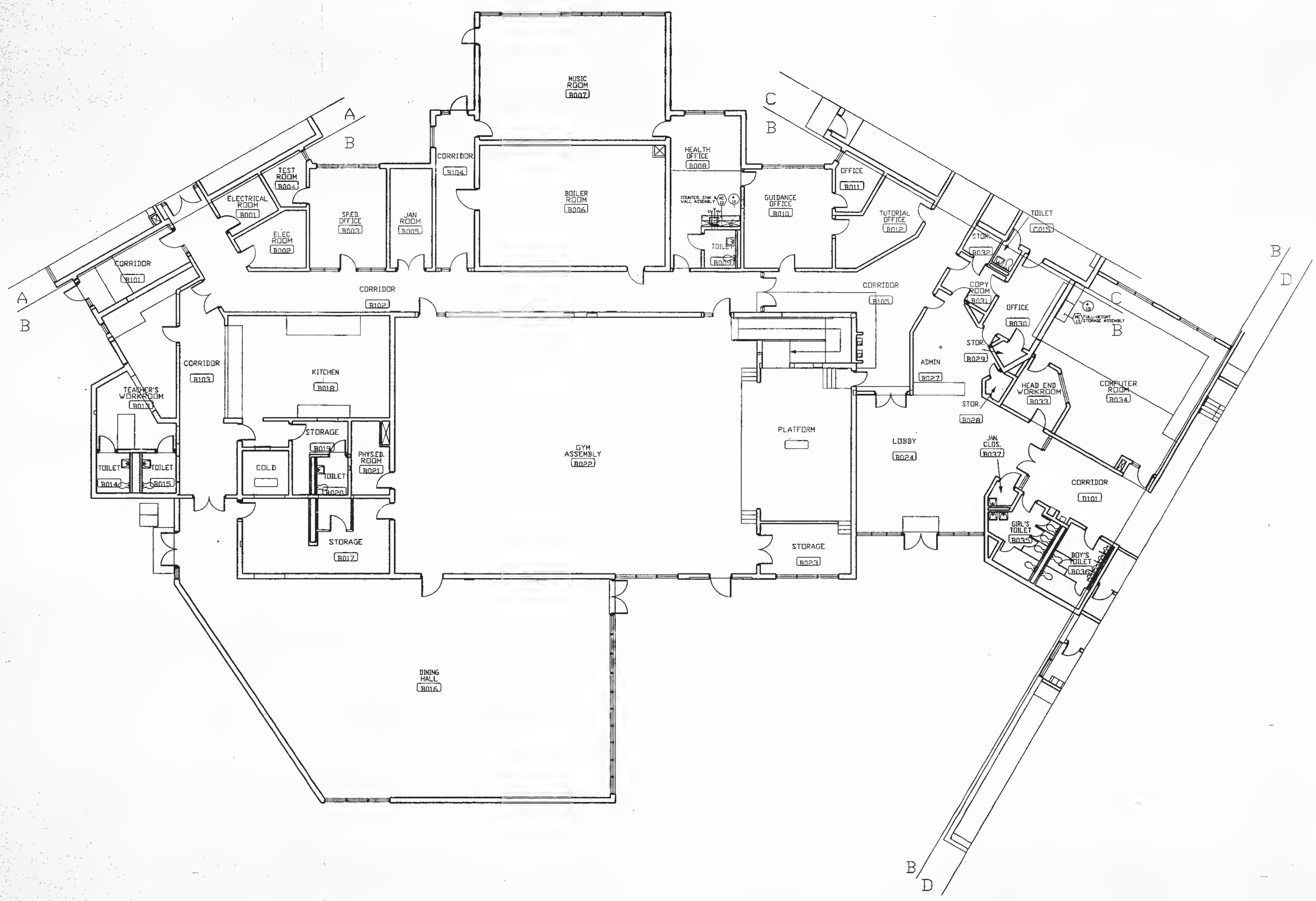
Additions and Alterations to the Pine Hill School
Sherborn, Massachusetts



Title: BLOCK "A" & BLOCK "E" EQUIPMENT PLANS

Date: 3/17/97 Drawn By: CM
Scale: 1/8"=1'-0" Job No: 9606

Sheet: EQ-1



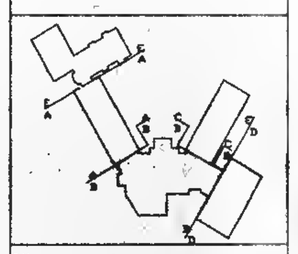
LEGEND:

A. Anthony Tappe' & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3900

OSO INTERIORS INC
121 EAST FOSTER STREET
MELROSE, MASSACHUSETTS
(617) 246-4174

Additions and Alterations to the Pine Hill School

Sherborn, Massachusetts



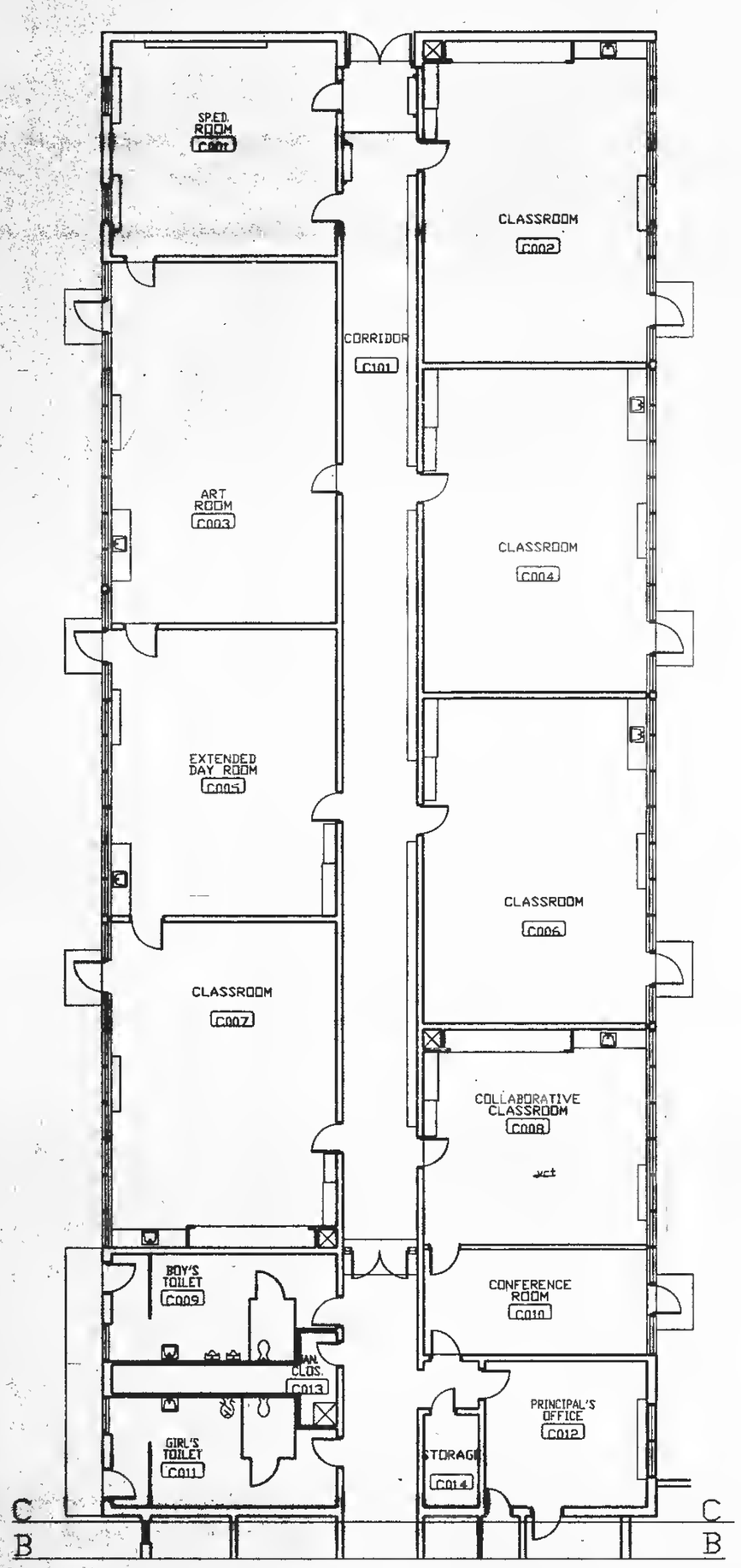
Title:

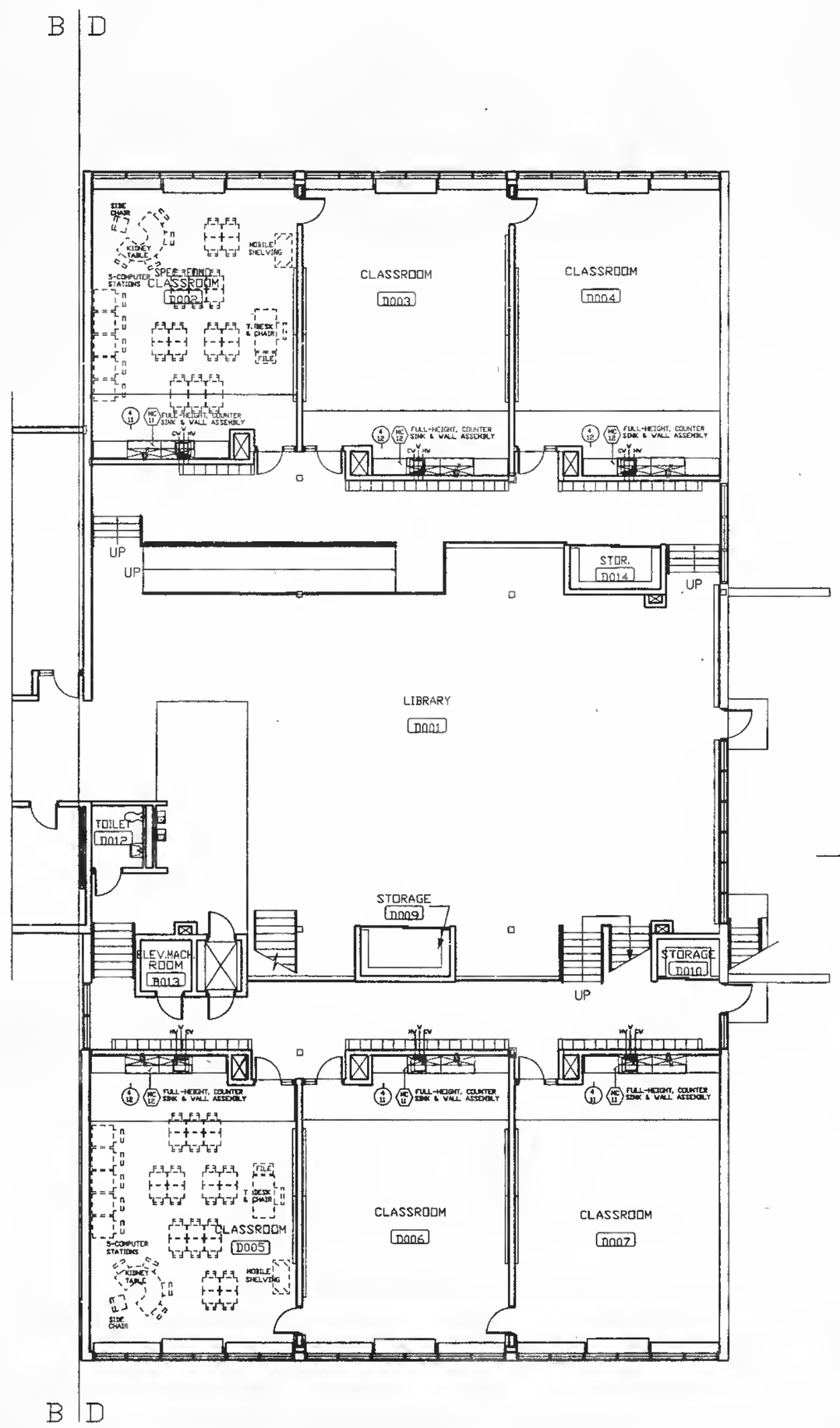
BLOCK "B" EQUIPMENT PLANS

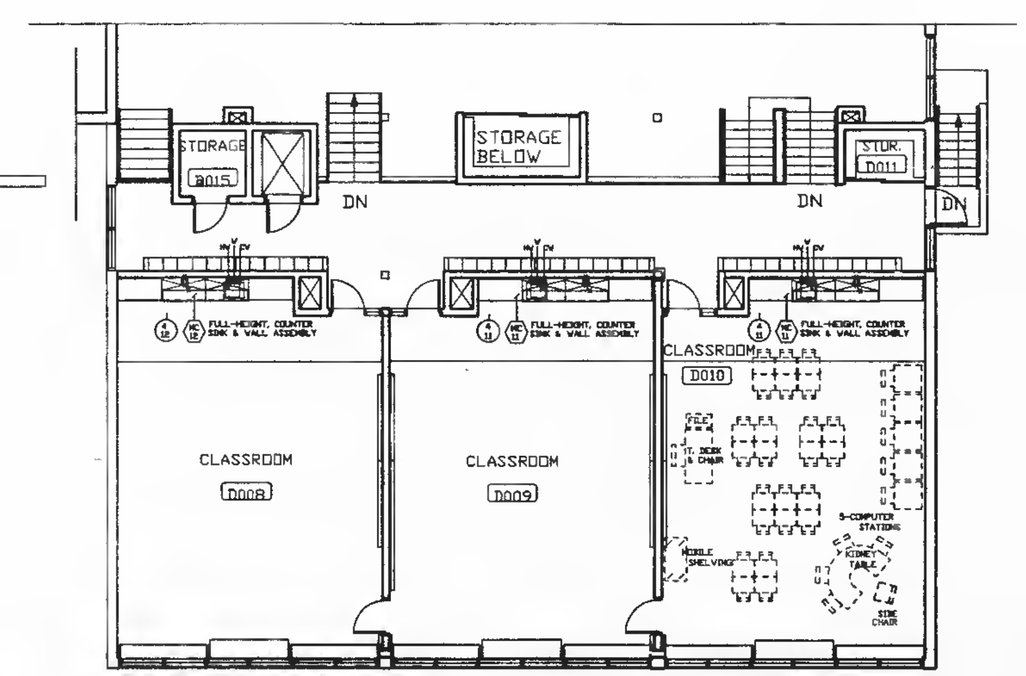
Date: 3/17/97 Drawn By: CM
Scale: 1/8"=1'-0" Job No: 96060

Sheet:

EQ-2







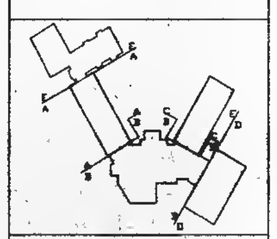
LEGEND:

Stamp

OSO INTERIORS INC
121 EAST FOSTER STREET
MELROSE, MASSACHUSETTS
02176 - (617) 968-9911

A. Anthony Tappe' & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

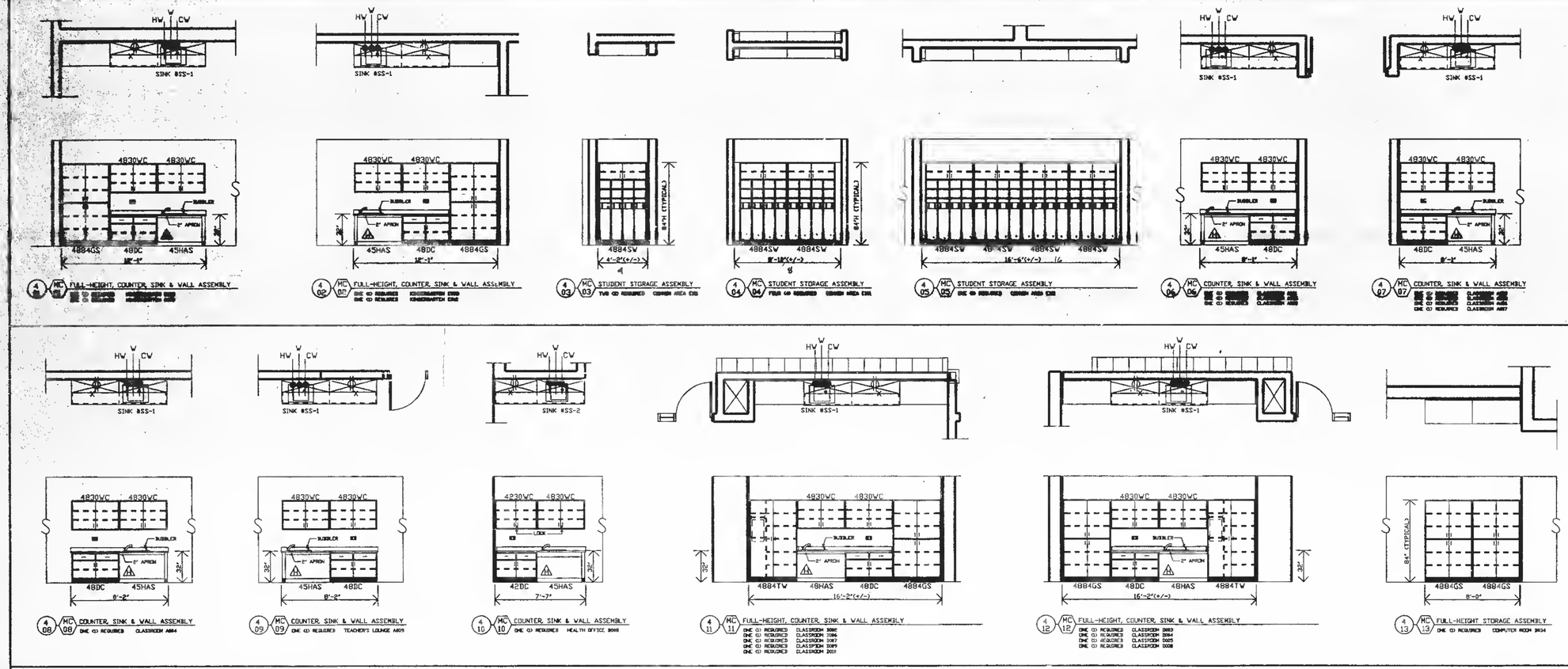
Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts



Title
BLOCK "C" & BLOCK "D" EQUIPMENT PLANS

Date: 3/17/97 Drawn By: CM
Scale: 1/8"=1'-0" Job No: 9606.0

Sheet:
EQ-3



OSO INTERIORS INC
121 EAST FOSTER STREET
MELROSE, MASSACHUSETTS
02176 - (617) 324-9441

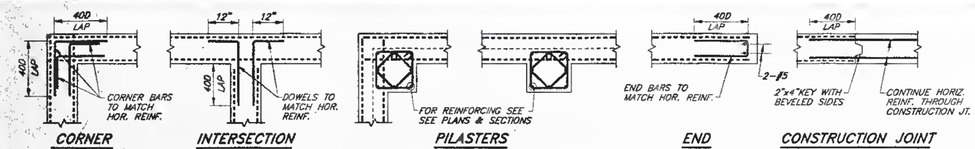
A. Anthony Tappe' & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-8899

Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

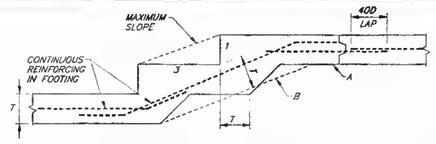
Title
EQUIPMENT ELEVATIONS & DETAILS

Date: 3/17/97 Drawn By: CM
Scale: 1/4"=1'-0" Job No:

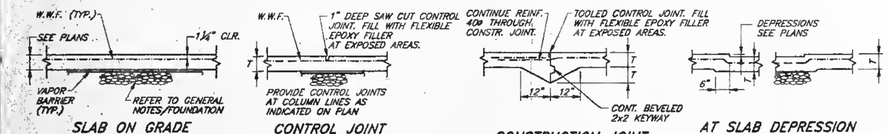
Sheet:
EQ-4



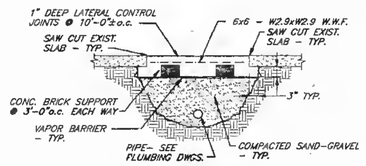
TYPICAL FOUNDATION WALL DETAILS



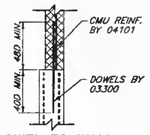
TYPICAL ELEVATION OF CONTINUOUS STEPPED WALL FOOTING



TYPICAL SLAB ON GRADE DETAILS

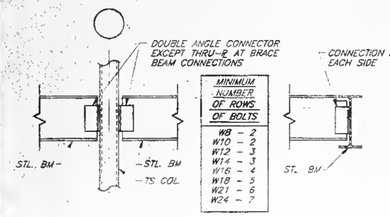


TYPICAL EXISTING SLAB ON GRADE REPAIR AT TRENCH CUT



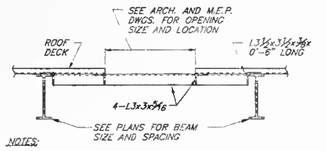
DOWEL TO WALL

CMU WALL DETAIL



MINIMUM NUMBER OF ROWS OF BOLTS
W8 - 2
W10 - 2
W12 - 3
W14 - 3
W16 - 4
W18 - 5
W21 - 6
W24 - 7

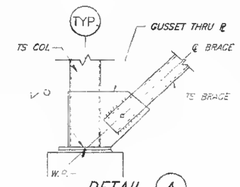
TYPICAL BEAM CONNECTION DETAILS



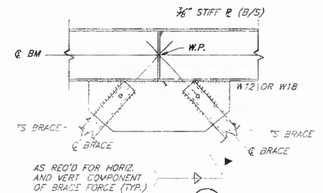
NOTES:

1. DETAIL ABOVE APPLIES TO OPENINGS IN ROOF STRUCTURE TO BE PROVIDED FOR ROOF DRAINS, FANS, MISC. SHAFTS, ETC.
2. SEE ARCHITECTURAL AND M.E.P. DRAWINGS FOR SIZE AND LOCATION OF OPENINGS. COORDINATE WITH EQUIPMENT REQUIREMENTS.
3. FRAMING SHOWN ON PLANS GOVERNS OVER THAT WHICH IS INDICATED ON DETAIL AND IN SCHEDULE ABOVE.
4. WHERE ADDED LOAD TO JOISTS OCCURS BETWEEN TOP CHORD PANEL POINTS ADD L3x3x5/16 TO BOTTOM CHORD PANEL POINT.

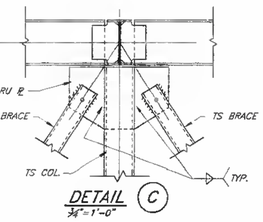
TYPICAL ROOF OPENING DETAIL



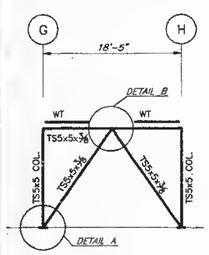
DETAIL (A)
3/4"=1'-0"



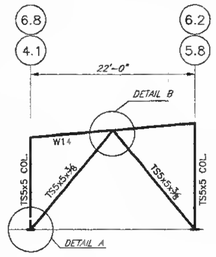
DETAIL (B)
3/4"=1'-0"



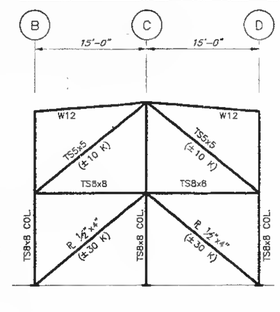
DETAIL (C)
3/4"=1'-0"



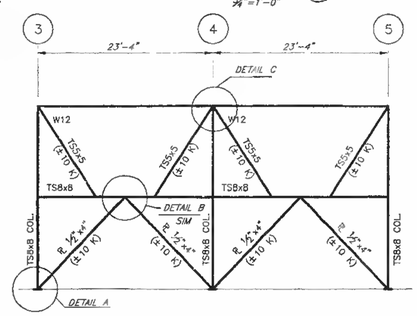
BRACE A
1/8" = 1'-0"



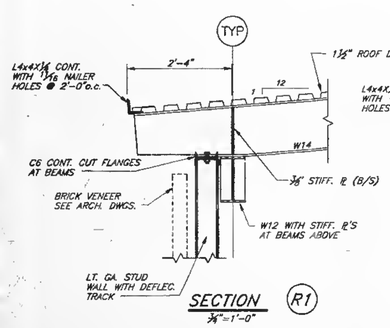
BRACE B
1/8" = 1'-0"



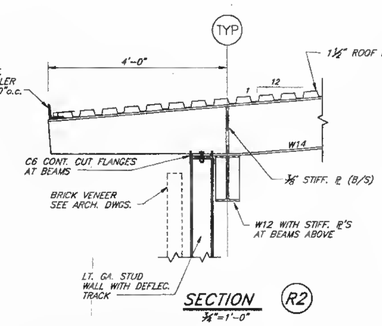
BRACE C
1/8" = 1'-0"
(ALONG LINES 1 AND 5)



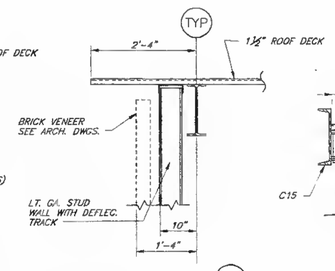
BRACE D
1/8" = 1'-0"
(ALONG LINES A AND E)



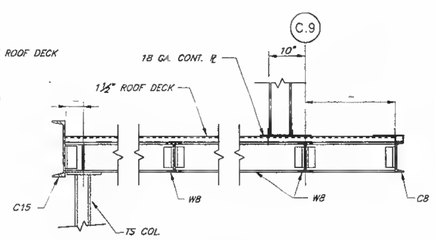
SECTION (R1)
3/4"=1'-0"



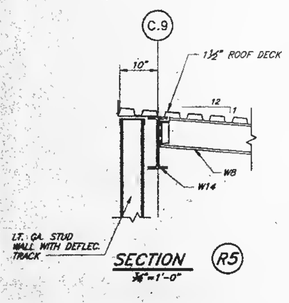
SECTION (R2)
3/4"=1'-0"



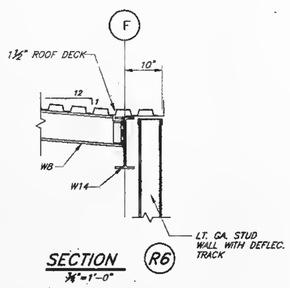
SECTION (R3)
3/4"=1'-0"



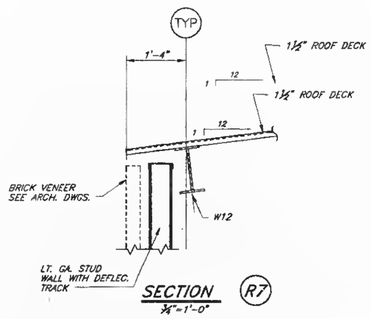
SECTION (R4)
3/4"=1'-0"



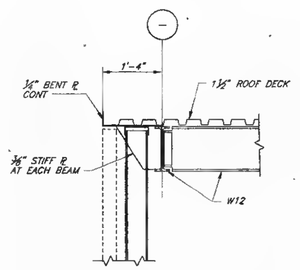
SECTION (R5)
3/4"=1'-0"



SECTION (R6)
3/4"=1'-0"



SECTION (R7)
3/4"=1'-0"



SECTION (R8)
3/4"=1'-0"

GENERAL NOTES

(UNLESS OTHERWISE NOTED ON DRAWINGS OR IN SPECIFICATIONS)

GENERAL

1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, SITE, MECHANICAL, PLUMBING, ELECTRICAL, SHOP DRAWINGS, SPECIFICATIONS AND EXISTING ARCHITECTURAL AND STRUCTURAL DRAWINGS.
2. ALL EXISTING DIMENSIONS AND CONDITIONS MUST BE VERIFIED OR DETERMINED IN THE FIELD AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THE AFFECTED PORTION OF THE WORK.
3. SHOP DRAWINGS FOR REINFORCING STEEL, STRUCTURAL STEEL, METAL JOIST, AND METAL DECK SHALL BE SUBMITTED TO THE ARCHITECT AND A STAMPED APPROVAL RECEIVED BEFORE FABRICATION CAN PROCEED. ERECTION SHALL BE MADE FROM APPROVED SHOP DRAWINGS ONLY.
4. DETAILS SHOWN ON ANY DRAWINGS ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS, UNLESS OTHERWISE NOTED.
5. REFER TO ARCHITECUTRAL DRAWINGS FOR DETAILS NOT SHOWN.

DESIGN LIVE LOADS (MASSACHUSETTS STATE BUILDING CODE)

1. ROOF: 35 PSF –BASIC SNOW LOAD PLUS DRIFTING/SLIDING
2. WIND LOADING: 21 PSF –ZONE 3, EXPOSURE B
3. SEISMIC: S=1.0, K= 1.00 AT GYM; K= 1.33 AT CLASSROOM

FOUNDATION (SECTION 03200)

1. ALL FOUNDATION CONSTRUCTION SHALL CONFORM TO THE GEOTECHNICAL REPORT BY HALEY AND ALDRICH, DATED 3 DECEMBER 1998.
2. THE BOTTOM SURFACE OF ALL SPREAD FOOTINGS SHALL REST ON UNDISTURBED MATERIAL OR COMPACTED STRUCTURAL FILL WITH A MINIMUM ALLOWABLE BEARING PRESSURE OF 2.5 TONS PER SQUARE FOOT.
3. THE ESTIMATED ELEVATION OF BOTTOM OF EACH FOOTING IS INDICATED THUS [0'-0"] ON PLAN. BOTTOM OF EACH EXTERIOR FOOTING SHALL BE A MINIMUM OF 4'-0" BELOW FINISH GRADE.
4. NO FOOTING SHALL BE PLACED UNDER WATER OR ON FROZEN GROUND.
5. ALL SLABS ON GRADE SHALL BE UNDERLAIN BY 6 MIL. POLY VAPOR BARRIER AND A MINIMUM OF 12-INCHES SAND-GRAVEL FILL SUPPORTED ON UNDISTURBED NATURAL SOIL. SAND-GRAVEL FILL SHALL BE COMPACTED AS SPECIFIED.
6. NO BACKFILL SHALL BE PLACED AGAINST FOUNDATION WALLS RETAINING EARTH UNLESS WALLS ARE SUFFICIENTLY BRACED TO PREVENT MOVEMENT OR STRUCTURAL DAMAGE.

CONCRETE (SECTION 03300)

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI STANDARD 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
2. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH AT 28 DAYS OF AT LEAST 3000 PSI, EXCEPT EXTERIOR CONCRETE WHICH SHALL BE 4000 PSI.
3. ALL REINFORCING BARS SHALL CONFORM TO ASTM A 615 GRADE 60, AND SHALL BE DEFORMED. LAP ALL CONTINUOUS BARS 40 DIAMETERS PROVIDE MATCHING CORNER AND INTERSECTION BARS.
4. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185. LAP ONE AND ONE-HALF SQUARES AT ALL JOINTS AND TIE AT 3'-0" o.c.
5. CLEAR CONCRETE PROTECTION FOR REINFORCING:
   - A. FOOTINGS: 3"
   - B. FOUNDATION WALLS: 1½"
   - C. PIERS: 2" TO TIES
   - D. PILASTERS: 1½" TO TIES
   - E. SLABS ON GRADE: 1½" FROM TOP AT INTERIOR, 2" FROM TOP AT EXTERIOR
6. NO BARS SHALL BE CUT OR OMITTED IN THE FIELD BECAUSE OF SLEEVES, DUCT OPENINGS OR RECESSES BARS MAY BE MOVED ASIDE WITHOUT CHANGE IN LEVEL, WITH THE APPROVAL OF THE ARCHITECT
7. NO CHASES, OPENINGS OR SLEEVES SHALL BE INSTALLED IN CONCRETE WITHOUT APPROVAL OF THE ARCHITECT
8. ALL KEYS SHALL BE 2"x4" WITH BEVELED SIDES UNLESS OTHERWISE NOTED ON THE DRAWINGS
9. ALL COLUMN, PIER AND PILASTER DOWELS SHALL BE SET BY TEMPLATE. ALL ANCHOR BOLTS SHALL BE SET BY TEMPLATE
10. HORIZONTAL CONSTRUCTION JOINTS SHALL BE AS INDICATED ON THE DRAWINGS. VERTICAL CONSTRUCTION JOINTS SHALL BE APPROVED BY THE ARCHITECT. ALL CONSTRUCTION JOINTS SHALL BE FORMED WITH A STANDARD KEY AND ALL REINFORCING EXTENDED A MINIMUM OF 40 DIAMETERS.
11. DETAILS NOT SHOWN ON THE DRAWINGS SHALL BE IN ACCORDANCE WITH THE ACI DETAILING MANUAL, LATEST EDITION

MASONRY (SECTION 04101)

1. ALL MASONRY CONSTRUCTION SHALL CONFORM TO NCMA "SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF LOAD-BEARING CONCRETE MASONRY.
2. MASONRY STRENGTH, f'm, FOR MASONRY CONSTRUCTION SHALL NOT BE LESS THAN 1350 PSI WITH INSPECTION.
3. ALL CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C 90 GRADE N, TYPE I AND TO NCMA REQUIREMENTS FOR LOAD BEARING BLOCK. STRENGTH SHALL BE AS REQUIRED FOR SPECIFIED MASONRY STRENGTH (f'm) BUT SHALL NOT BE LESS THAN 2000 PSI ON THE NET AREA OF THE BLOCK.
4. ALL GROUT SHALL CONFORM TO ASTM C 476, TYPE FINE, AND SHALL BE OF STRENGTH REQUIRED FOR SPECIFIED MASONRY STRENGTH (f'm) BUT NOT LESS THAN 2500 PSI.
5. ALL MORTAR FOR REINFORCING MASONRY SHALL CONFORM TO ASTM C 270 TYPE S AND SHALL BE OF STRENGTH REQUIRED FOR SPECIFIED MASONRY STRENGTH (f'm) BUT NOT LESS THAN 1800 PSI.
6. ALL REINFORCING BARS SHALL CONFORM TO ASTM A 615 GRADE 60 DEFORMED BARS. LAP ALL CONTINUOUS BARS 48 DIAMETERS.
7. ALL JOINT REINFORCEMENTS SHALL CONFORM TO ASTM A 32. PROVIDE PREFABRICATED CORNERS AND TEES.
8. ALL WALLS AND PARTITIONS SHALL BE REINFORCED HORIZONTALLY WITH JOINT REINFORCING AT 16" o.c. UNLESS OTHERWISE NOTED.
9. ALL ELEVATOR SHAFT WALLS SHALL BE REINFORCED VERTICALLY WITH #5 @ 2'-8" o.c. AND GROUTED SOLID.

STRUCTURAL STEEL (SECTION 05120)

1. ALL STRUCTURAL STEEL MATERIALS, WORKMANSHIP AND DETAILS SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS". STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:
   - A. SHAPES AND PLATES — ASTM A 36 — Fy = 36 KSI
   - B. TUBES — ASTM A 500 — GRADE B Fy = 46 KSI
   - C. PIPE — ASTM A 53 — GRADE B Fy = 35 KSI
2. ALL SHOP CONNECTIONS SHALL BE WELDED TO CONFORM TO SPECIFICATION ASTM A 233, E70 SERIES OR BOLTED TO CONFORM TO ASTM A 325.
3. UNLESS OTHERWISE NOTED, ALL FIELD CONNECTIONS SHALL BE BOLTED TO CONFORM TO ASTM A 325, TYPE N BOLTS.
4. PROVIDE ¼" LEVELING PLATE UNDER ALL COLUMN BASE PLATES. LEVELING PLATES SHALL BE SET AND GROUTED WITH AN APPROVED GROUT BEFORE ERECTION OF COLUMN.
5. PROVIDE ¾" DIAMETER ANCHOR BOLTS AT COLUMNS, AS INDICATED ON THE DRAWINGS. BOLTS SHALL CONFORM TO ASTM A307, UNLESS OTHERWISE NOTED.
6. PROVIDE ⅜" MINIMUM STIFFENER PLATES EACH SIDE AT ALL BEAMS OVER COLUMNS AND AT ALL COLUMNS OVER BEAMS, UNLESS OTHERWISE NOTED.
7. ALL STEEL EXPOSED TO THE WEATHER SHALL BE HOT DIPPED GALVANIZED.

METAL DECK (SECTION 05300)

1. METAL FLOOR FORMS SHALL BE MADE FROM STEEL CONFORMING TO ASTM A446 GRADE D (Fy=50 KSI). FLOOR FORMS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A525, G60. DECK DEPTH AND GAUGE SHALL BE AS NOTED ON THE DRAWINGS.
2. METAL ROOF DECK SHALL BE WIDE RIB, (TYPE WR), SHALL BE MADE FROM STEEL CONFORMING TO ASTM A446, GRADE A (Fy=33 KSI.) DECK SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A525, G60. DECK DEPTH AND GAUGE SHALL BE AS NOTED ON THE DRAWINGS.
3. PROVIDE CONTINUOUS POUR STOP ANGLES WITH RETURN LIP AT BUILDING PERIMETER AND AT FLOOR OPENINGS. REFER TO SCHEDULE THIS SHEET FOR GAUGE.
4. METAL ROOF DECK SHALL BE ATTACHED TO THE SUPPORTING STRUCTURE (MINIMUM REQUIREMENTS) AS FOLLOWS:
   - A. PANEL ENDS AND END LAPS: 36/9 PUDDLE WELD AT EACH RIB.
   - B. INTERMEDIATE SUPPORTS: 36/9 PUDDLE WELD AT EACH RIB.
   - C. LONGITUDINAL EDGES OF MARGINAL SUPPORTS: 36/9 PUDDLE WELDS AT 12"o.c. MAX.
   - D. SIDE LAPS FOR ADJACENT UNITS: #12 SCREWS AT 24"o.c. MAX.
5. METAL ACOUSTIC ROOF DECK SHALL BE ATTACHED TO THE SUPPORTING STRUCTURE (MINIMUM REQUIREMENTS) AS FOLLOWS:
   - A. PANEL ENDS AND END LAPS: 36/9 PUDDLE WELD AT EACH RIB.
   - B. INTERMEDIATE SUPPORTS: 36/9 PUDDLE WELD AT EACH RIB.
   - C. LONGITUDINAL EDGES OF MARGINAL SUPPORTS: 36/9 PUDDLE WELDS AT 12"o.c. MAX.
   - D. SIDE LAPS FOR ADJACENT UNITS: BUTTON PUNCH AT 24"o.c. MAX.

Stamp:

RICHARD A. FOLEY STRUCTURAL NO. 30114 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS

Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-2899

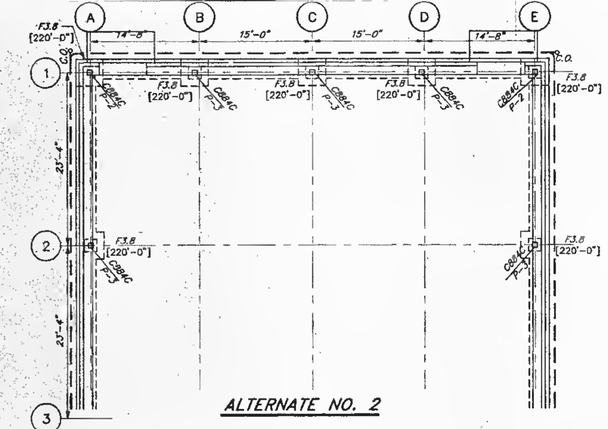
FOLEY & BUHL ENGINEERING, INC.
PROFESSIONAL ENGINEERS & LAND SURVEYORS
STRUCTURAL • MECHANICAL • ELECTRICAL • FIRE PROTECTION
CONSULTING ENGINEERS
ESTABLISHED 1946

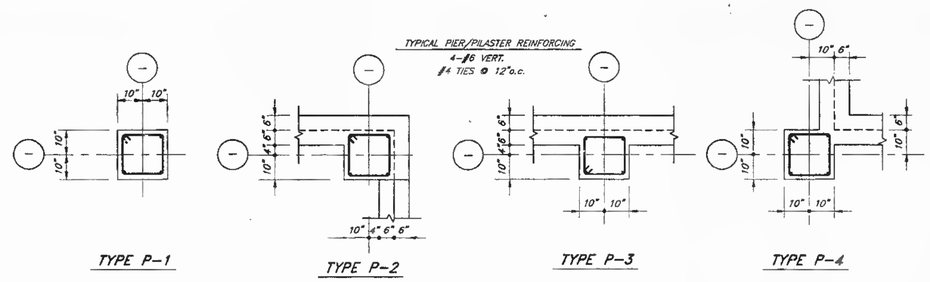
Addition and Alterations to the
Pine Hill School
Sherborn, Massachusets

Key Plan:

Title:
General Notes & Typical Details

Date: 3/20/97 Drawn By:
Scale: Job No.:
Sheet:
S1.1





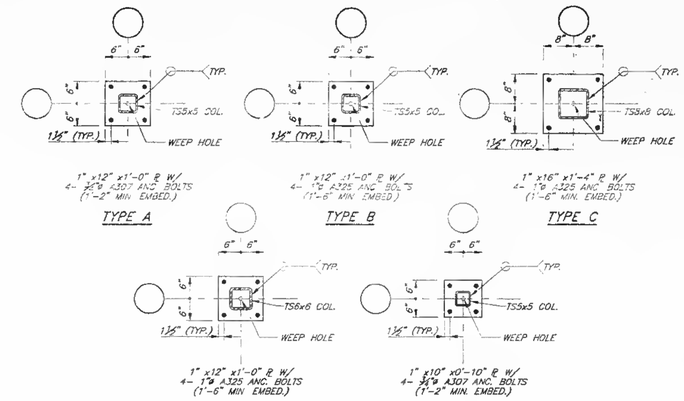
TYPICAL PIER /PILASTER DETAILS
½" = 1'-0"

FOOTING SCHEDULE

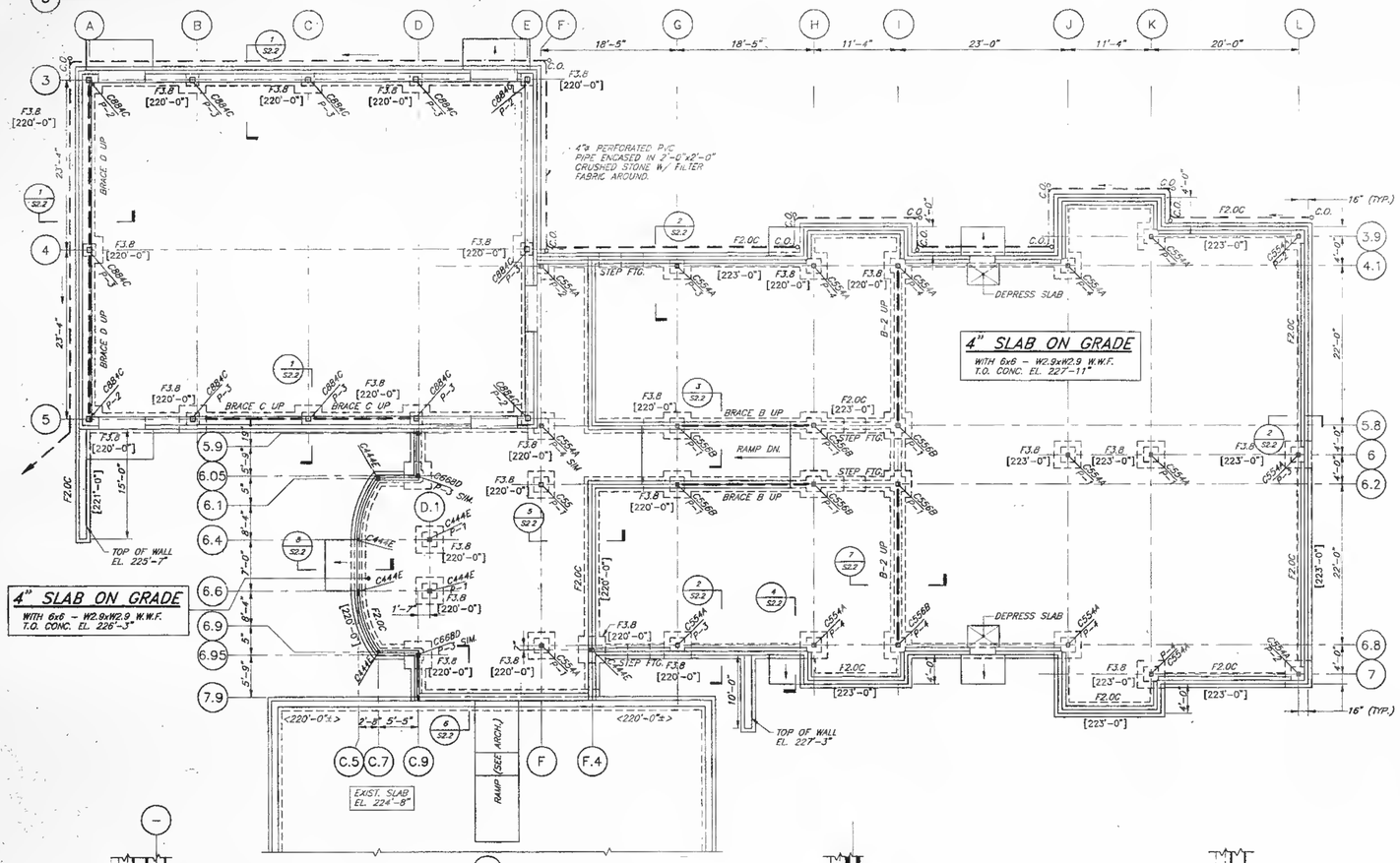
MARK	SIZE	REINFORCING
F2.0C	2'-0"x CONT. x12" DEEP	SEE SECTION
F3.8	3'-8"x3'-8"x18" DEEP	5-#4 BOT. EACH WAY

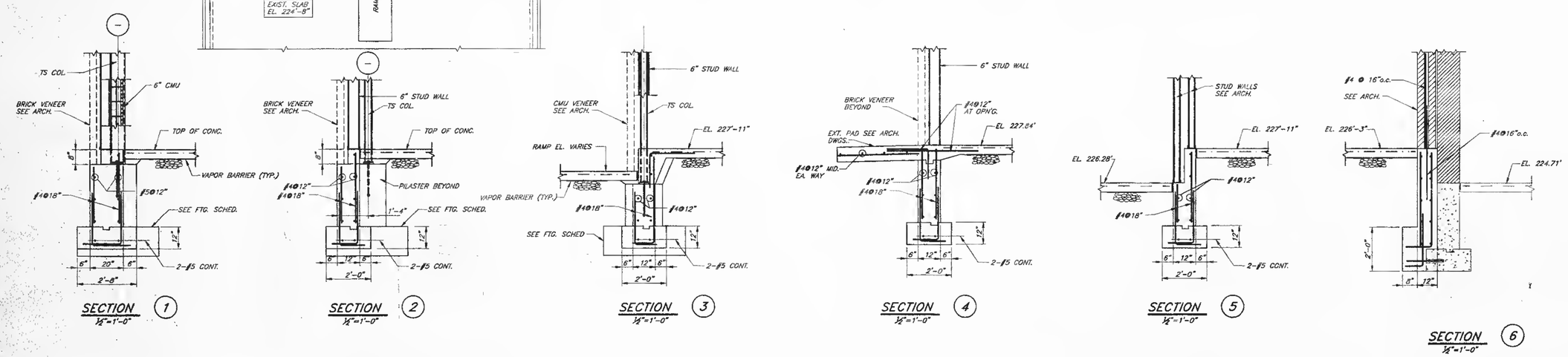
COLUMN SIZES

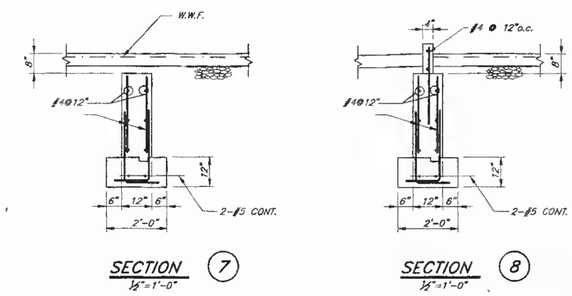
C554A
- BASE PLATE TYPE FOR FOUNDATION LEVEL COLUMNS (SEE BASE PLATE DETAILS ON DRAWING S3.1).
- WALL THICKNESS, NUMBER TIMES 1/16" (EX: 4 = 4x1/16=1/4")
- TS COLUMN DIMENSION PARALLEL TO NUMBERED GRID
- TS COLUMN DIMENSION PARALLEL TO LETTERED GRID



BASE PLATE DETAILS
¾" = 1'-0"







Revisions

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3809

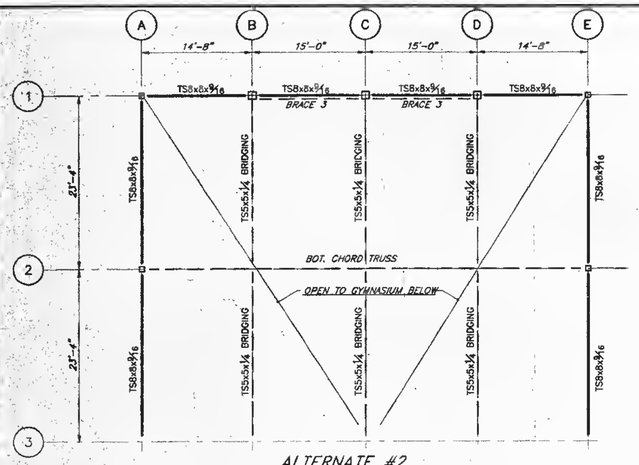
FOLEY & BUHL ENGINEERING, INC.
TRACEWELL OFFICE PARK, 8 SALEM STREET, SUITE 200
WOBURN, MASSACHUSETTS 01801 617 933 1177
BOSTON 345-4700 WORCESTER 852-1000

Addition and Alterations to the
Pine Hill School
Sherborn, Massachusets

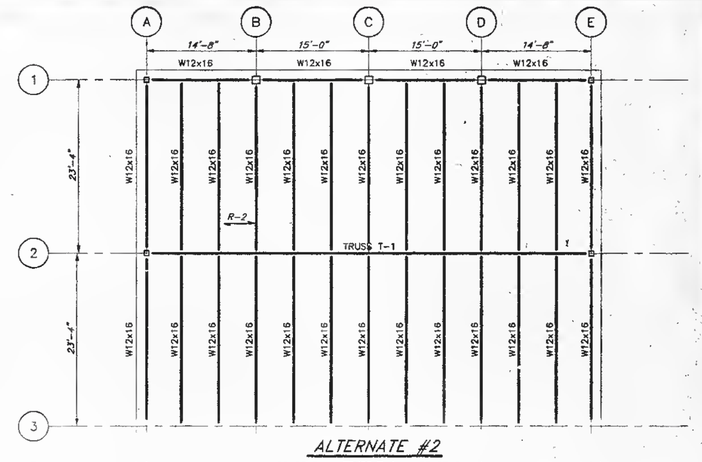
Key Plan:

Title:
Block "E" Foundation Plan.

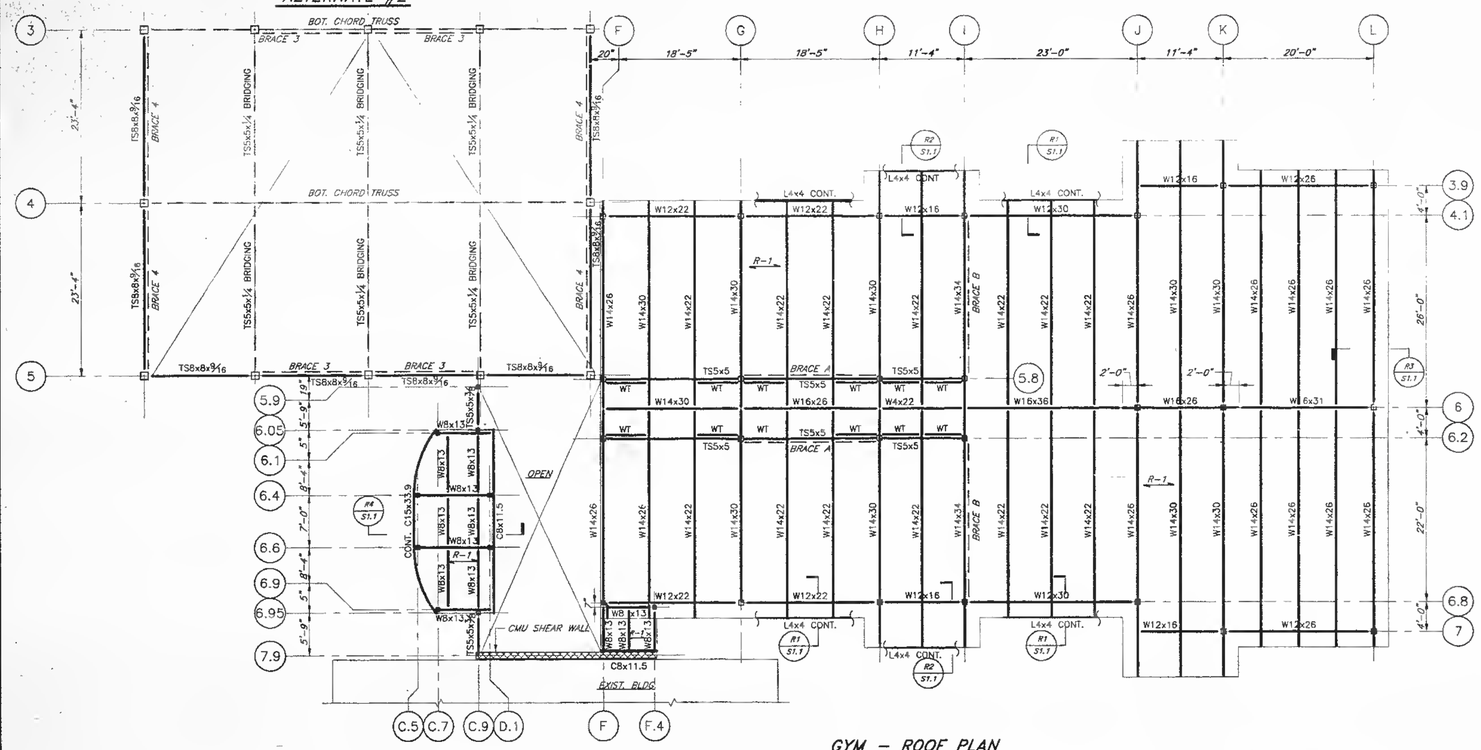
Date: 3/20/97 Drawn By:
Scale: 1/8"=1'-0" Job No.:
Sheet:
S2.2



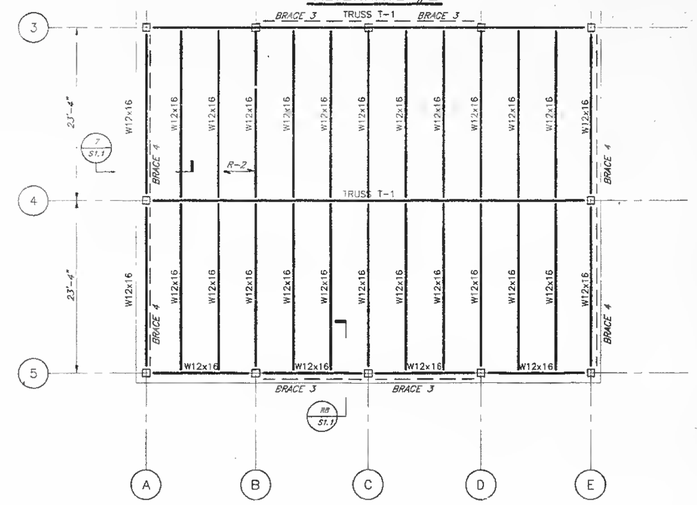
ALTERNATE #2



ALTERNATE #2

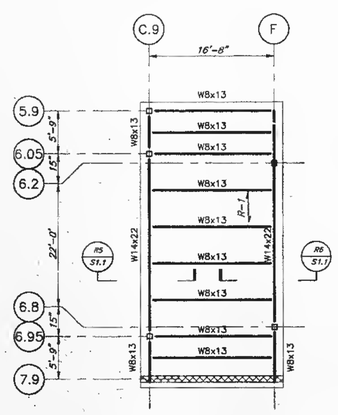


GYM – ROOF PLAN
1/8"=1'-0"

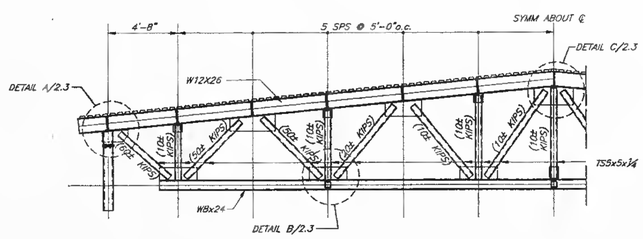


ALTERNATE #2

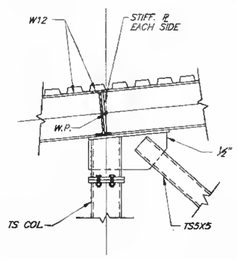
GYM – ROOF PLAN
1/8"=1'-0"



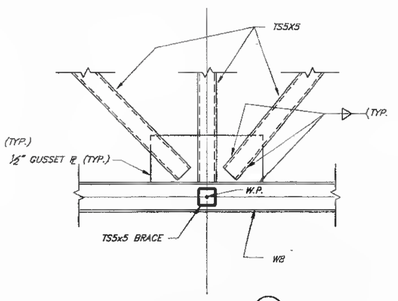
PART PLAN–ROOF
1/8"=1'-0"



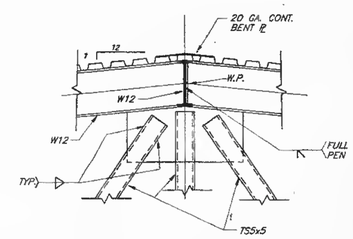
GYM TRUSS
1/4"=1'-0"



DETAIL (A)
3/4"=1'-0"



DETAIL (B)
3/4"=1'-0"



DETAIL (C)
3/4"=1'-0"

NOTES:

1. R-1 INDICATES 1 1/2" DEEP x 20 GA. GALVANIZED WIDE RIB METAL ROOF DECK. ——— INDICATES THE DIRECTION OF DECK SPAN.
2. R-2 INDICATES 1 1/2" DEEP x 20 GA. GALVANIZED ACOUSTIC WIDE RIB METAL ROOF DECK. ——— INDICATES THE DIRECTION OF DECK SPAN.
3. FOR BRACING ELEVATIONS AND DETAILS REFER TO DRAWING S1.1.
4. FOR GENERAL NOTES AND TYPICAL DETAILS REFER TO DRAWING S1.1
5. ALL STEEL TO BE ARCHITECTURALLY EXPOSED STRUCTURAL STEEL.

Stamp:

COMMONWEALTH OF MASSACHUSETTS RICHARD A. FOLEY STRUCTURAL NO. 20114 REGISTERED PROFESSIONAL ENGINEER

Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Liberty Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3699

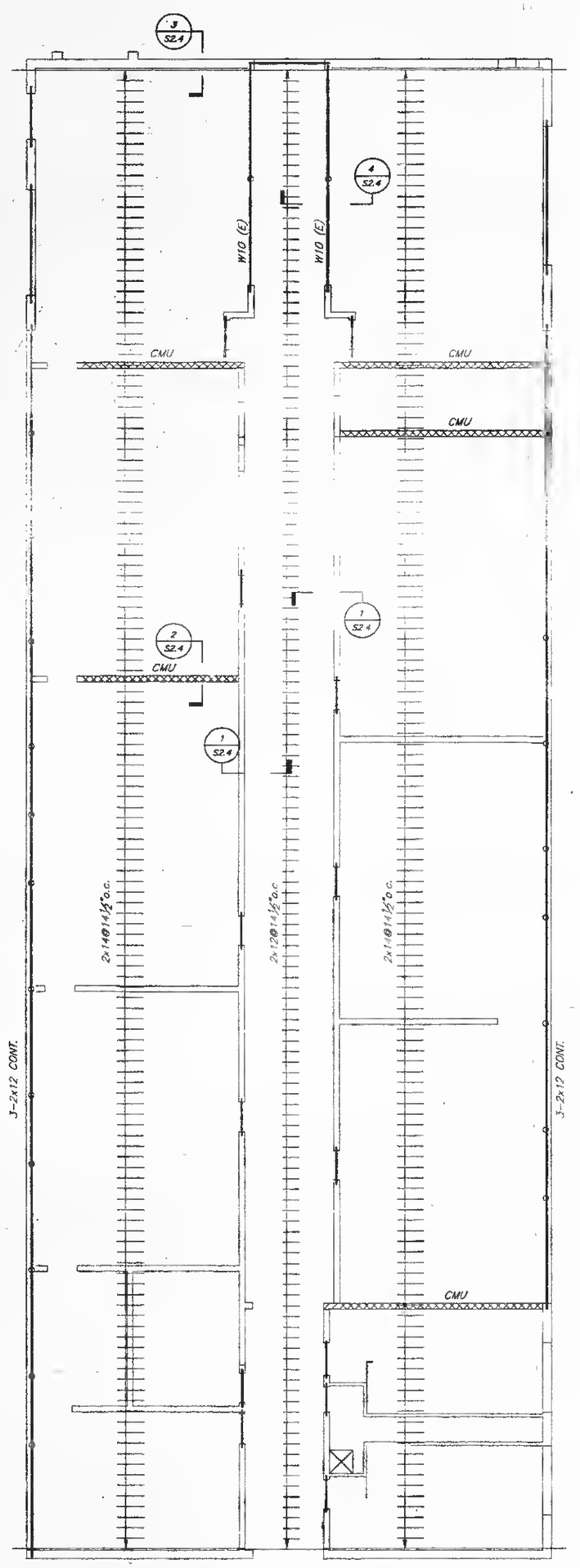
FOLEY & BUHL ENGINEERING, INC.
PROFESSIONAL CIVIL, FIRE & SAFETY ENGINEERS
WATER STREET, WAKEFIELD, MASSACHUSETTS
617-246-1400 FAX

Addition and Alterations to the
Pine Hill School
Sherborn, Massachusets

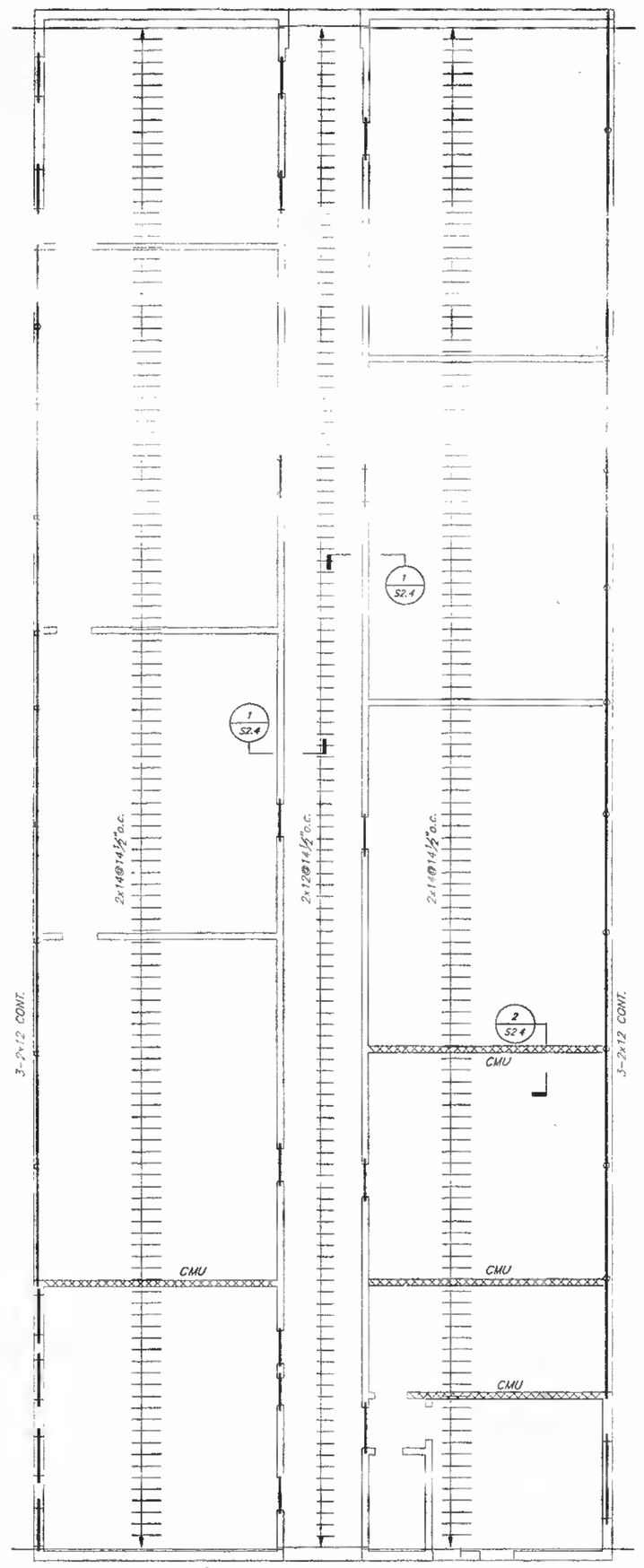
Key Plan:

Title:
Block "E" Roof Plan.

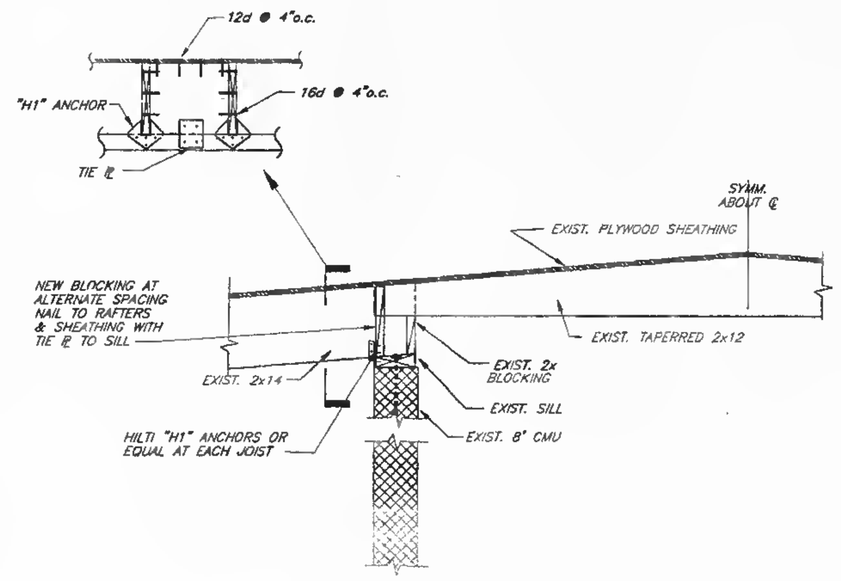
Date: 3/20/97 Drawn By:
Scale 1/8"=1'-0" Job No.:
Sheet:
S2.3



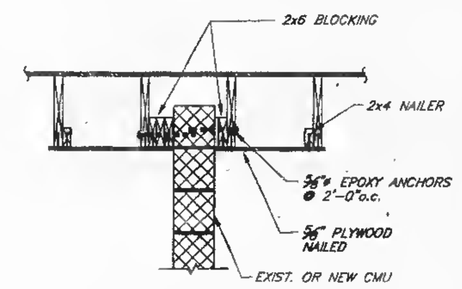
BLOCK A FRAMING
1/8"=1'-0"



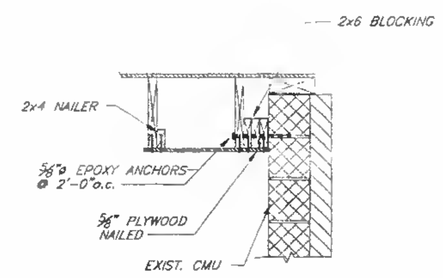
BLOCK C FRAMING
1/8"=1'-0"



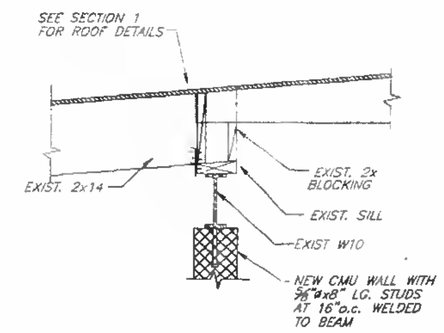
SECTION 1
3/4"=1'-0"



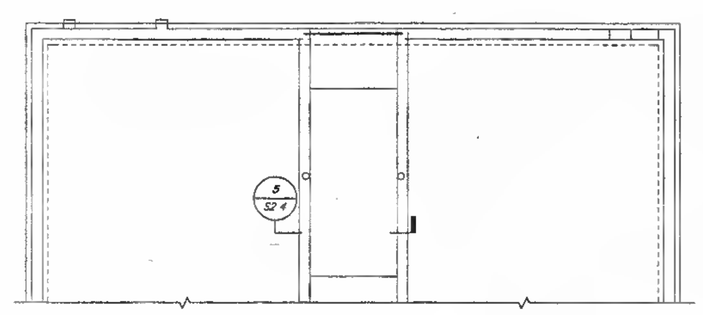
SECTION 2
3/4"=1'-0"



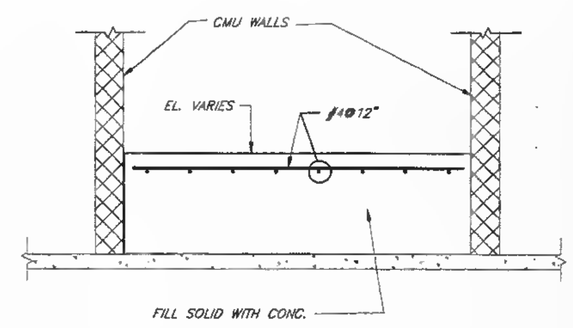
SECTION 3
3/4"=1'-0"



SECTION 4
3/4"=1'-0"



BLOCK A PART PLAN
1/8"=1'-0"



SECTION 5
3/4"=1'-0"

Stamp:

Revisions:

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Liberty Plaza, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

FOLEY & BUHL ENGINEERING, INC.

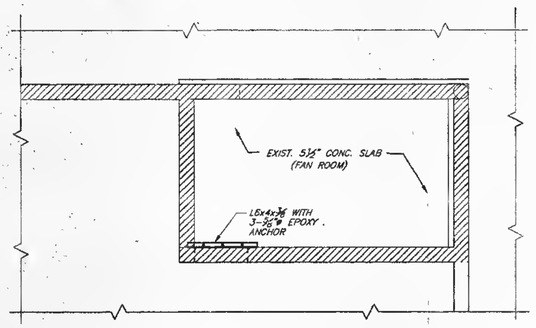
Addition and Alterations to the
Pine Hill School
Sherborn, Massachusets

Key Plan

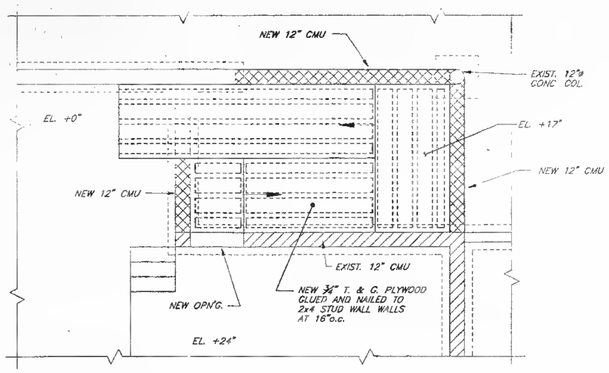
Title:
Block "A" & "c" Roof Repair Plan.

Date 5/20/97 Drawn By:
Scale 1/8"=1'-0" Job No.:

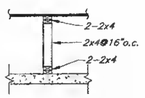
Sheet:
S2.4



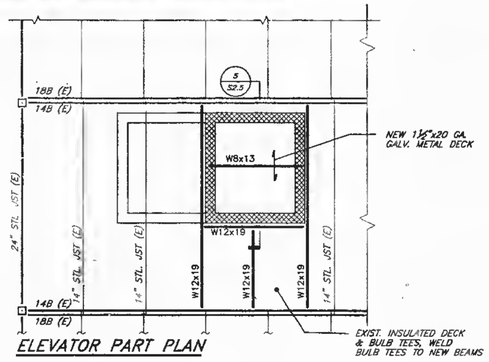
AUDITORIUM PART PLAN
¼"=1'-0"



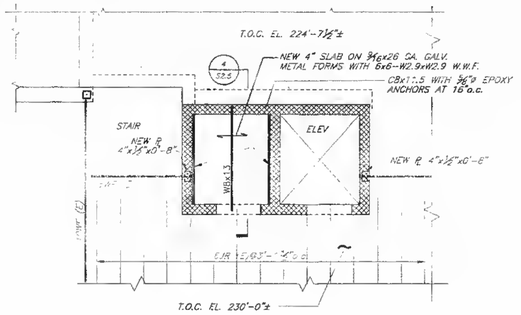
AUDITORIUM PART PLAN
¼"=1'-0"



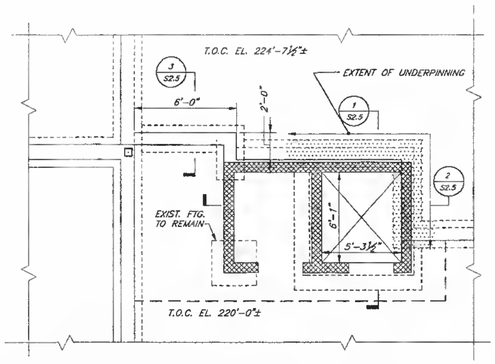
TYPICAL SECTION
½"=1'-0"



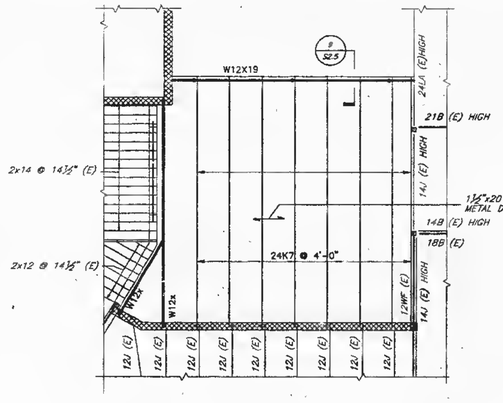
ELEVATOR PART PLAN
¼"=1'-0"



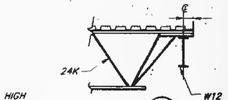
ELEVATOR PART PLAN
¼"=1'-0"



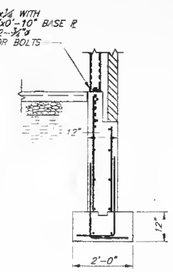
ELEVATOR PART PLAN
¼"=1'-0"

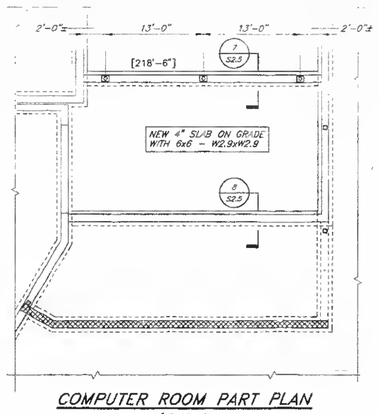


COMPUTER ROOM PART PLAN
⅛"=1'-0"

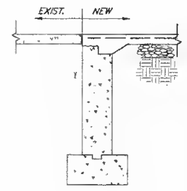


SECTION 8
½"=1'-0"



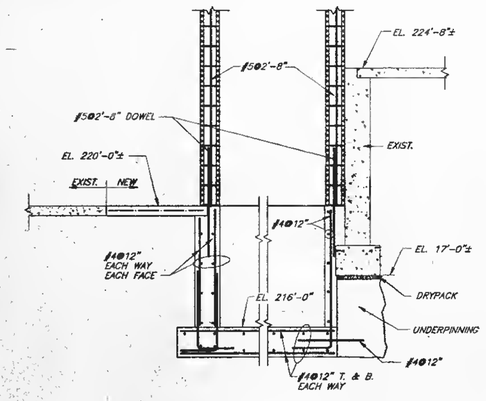


COMPUTER ROOM PART PLAN
⅛"=1'-0"

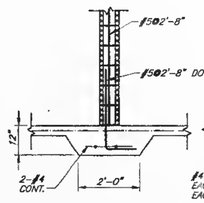


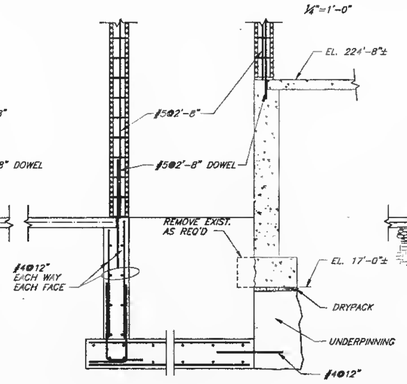
SECTION 7
½"=1'-0"

SECTION 8
½"=1'-0"

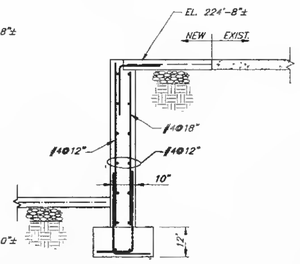


SECTION 1
½"=1'-0"

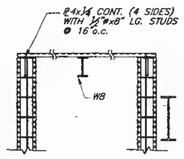




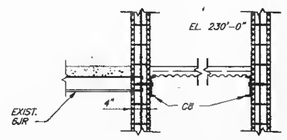
SECTION 2
½"=1'-0"



SECTION 3
½"=1'-0"



SECTION 5
½"=1'-0"



SECTION 4
½"=1'-0"

A. Anthony Tappé & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3099

FOLEY & BUHL ENGINEERING, INC.

Revisions:

Addition and Alterations to the
Pine Hill School
Sherborn, Massachusets

Key Plan:

Title:
Block "B"
Part Plan and Details

Date 3/20/97 Drawn By:
Scale 1/8"=1'-0" Job No.:
Sheet:
S2.5

DEMOLITION KEY NOTES:

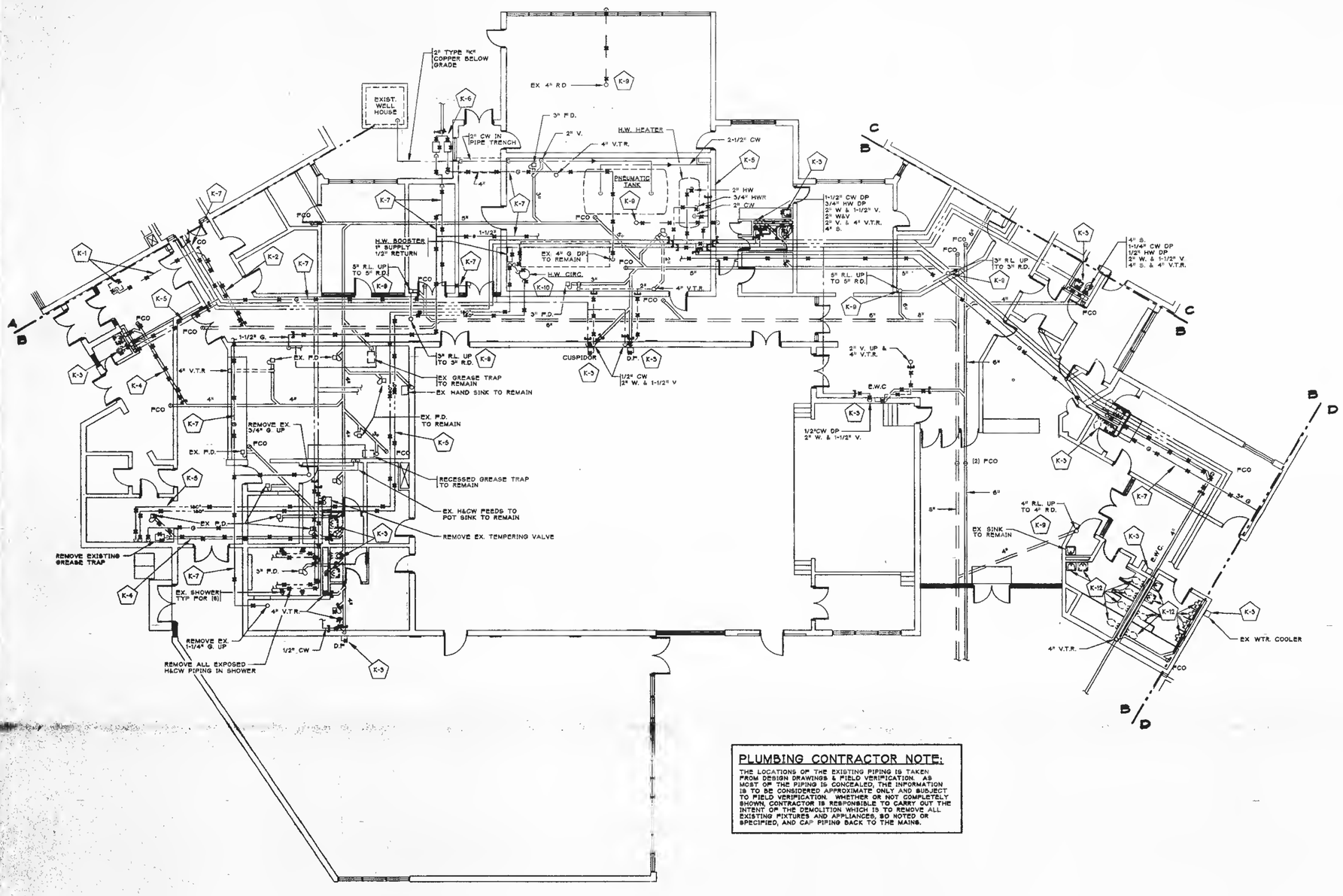
- K-1 REMOVE EXISTING SUMP PUMP, SUMP PIT & 1-1/2" PUMP DISCHARGE IN PIPE TRENCH
- K-2 REMOVE EXISTING EXISTING DRAIN - CUT & CAP AT MAIN
- K-3 REMOVE FIXTURES ONLY AND CAP BEHIND WALL.
- K-4 REMOVE EXIST. WASTE PIPING - CUT & CAP AS SHOWN ON DRAWINGS
- K-5 REMOVE EXIST. WATER PIPING - CUT & CAP AS SHOWN ON DRAWINGS
- K-6 ABANDON EX. GAS SERVICE BELOW GRADE, REMOVE EXISTING METER AND EXPOSED PIPING TO BUILDING
- K-7 REMOVE EXISTING GAS PIPING
- K-8 REMOVE EXISTING BACKFLOW PREVENTOR AND ASSOCIATED PIPING
- K-9 REMOVE EXISTING ROOF DRAIN
- K-10 REMOVE EXISTING HEAT EXCHANGER, CIRCULATOR AND PIPING TO EXCHANGER.
- K-11 REMOVE ALL PIPING UP TO AND INCLUDING ZONE VALVES FROM WATER HEATER. REPIPE AS SHOWN ON PIPING DETAIL.
- K-12 REMOVE EXISTING FIXTURES, REFER TO SPECIFICATIONS FOR EXTENT OF REMOVAL.

GENERAL NOTES

1. THE PLUMBING DRAWINGS ARE DIAGRAMMATIC AND ARE TO BE USED FOR THE PURPOSE OF ESTABLISHING GENERAL LOCATIONS OF PIPING RUNS, SIZES OF PIPING, AND QUANTITIES OF FIXTURES AND EQUIPMENT TO BE FURNISHED HEREIN. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND EXACT LOCATIONS OF ALL PLUMBING FIXTURES, AND EQUIPMENT, INCLUDING FLOOR DRAINS, AND MOUNTING HEIGHTS. IN THE EVENT OF CONFLICT OR IF DIMENSIONS ARE NOT SHOWN, OBTAIN FIELD DIRECTIVE FROM THE ARCHITECT AS TO THE LOCATIONS OF ALL VISIBLE EQUIPMENT. PAY PARTICULAR CARE TO COORDINATE WITH THE ARCHITECT'S FIELD REPRESENTATIVE ALL FLOOR DRAIN AND FLOOR CLEANOUT LOCATIONS.
2. ALL PIPING SHOWN ON THIS PLAN SHALL BE RUN CONCEALED ABOVE SUSPENDED CEILINGS, IN CHASES, OR IN PARTITIONS UNLESS SPECIFICALLY NOTED OTHERWISE.
3. INSTALL ALL NEW VALVES SO AS TO BE EASILY ACCESSIBLE AND OPERABLE.
4. WHERE REMOVAL OF EXISTING FIXTURES, EQUIPMENT AND PIPING IS INDICATED CUT AND CAP ALL EXISTING PIPING TO BEYOND THE NEW FINISHED SURFACE SO NO EVIDENCE OF PREVIOUS INSTALLATION WILL REMAIN.
5. MAINTAIN PLUMBING SYSTEMS IN OTHER BUILDING AREAS AT ALL TIMES DURING THE CONSTRUCTION. REFER TO PHASING PLANS AND SPECIFICATIONS ON THE ARCHITECT'S DRAWINGS AND SPECIFICATIONS.
6. REFER TO SPECIFICATIONS REGARDING ASBESTOS ABATEMENT. PLUMBING CONTRACTOR TO INCLUDE REINSULATING ALL FITTINGS ON EXISTING PIPING WHERE ABATEMENT OCCURS.

LEGEND

SYMBOL	ABBREV	DESCRIPTION
	NEW	NEW WORK (DARK)
	EX	EXISTING WORK (LIGHT)
	S/W	SOIL/WASTE ABV. GRADE
	S/W	SOIL/WASTE UNDERGROUND
	V	VENT ABV. GRADE
	V	VENT UNDERGROUND
	RL	RAIN LEADER ABV. GRADE
	RL	RAIN LEADER UNDERGROUND
	CW	COLD WATER
	HW	HOT WATER 180 F
	HWR	HOT WATER RETURN 120 F
140	HW 140	HOT WATER 140 F
140	HWR 140	HOT WATER RETURN 140 F
G		FUEL GAS PIPING
	DP,DN	PIPE DROP OR DOWN
	UP	PIPE RISE OR UP
		TEE LOOKING DOWN
		CAP ON END OF PIPE
FD RD AD		FLOOR DRAIN, ROOF DRAIN, AREA DRAIN
		STRAINER
		UNION
	CO	CLEANOUT
	DCO	DANDY CLEANOUT
	FCO	FLOOR CLEANOUT
	P&/T&	PRESSURE GAGE/TEMPERATURE GAGE
	SA	SHOCK ABSORBER
		BALANCING VALVE
	BV	BALL VALVE
	CV	CHECK VALVE
		GAS COCK
	GV	GATE VALVE
	SCV	SUPERVISED CONTROL VALVE
	PRV	PRESSURE REDUCING VALVE
		BUTTERFLY VALVE
		GAS COCK LUBRICATED
		GLOBE VALVE
	VTV	VALVE ON VERTICAL
	FT	P-TRAP
	S&W	STOP & WASTE VALVE
	EL	EXPANSION LOOP
		PIPE GUIDE
		PIPE ANCHOR
		FLOW IN DIRECTION OF ARROW
	HB, WH	HOSE BIB, WALL HYDRANT(NON-FREEZE)
	EX	EXISTING
		CONNECT TO EXISTING
	TYP.	TYPICAL
	FFE	FINISHED FLOOR ELEVATION
	INV	INVERT ELEVATION
	VTR	VENT THRU ROOF
	AP	ACCESS PANEL
	CI	CAST IRON
	UC	UNDER COUNTER
	P&I	PUNISH AND INSTALL
	PC	PLUMBING CONTRACTOR
	FPC	FIRE PROTECTION CONTRACTOR
	GC	GENERAL CONTRACTOR
	HVAC	HEAT, VENT & AIR COND CONTRACTOR
	RPBP	REDUCED PRESSURE BACKFLOW PREVENTOR
	STK	STACK
	FBO	FURNISHED BY OTHERS



Block "B" Floor Plan - Plumbing Demolition

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

PLUMBING CONTRACTOR NOTE:

THE LOCATIONS OF THE EXISTING PIPING IS TAKEN FROM DESIGN DRAWINGS & FIELD VERIFICATION. AS MOST OF THE PIPING IS CONCEALED, THE INFORMATION IS TO BE CONSIDERED APPROXIMATE ONLY AND SUBJECT TO FIELD VERIFICATION. WHETHER OR NOT COMPLETELY SHOWN, CONTRACTOR IS RESPONSIBLE TO CARRY OUT THE INTENT OF THE DEMOLITION WHICH IS TO REMOVE ALL EXISTING FIXTURES AND APPLIANCES, SO NOTED OR SPECIFIED, AND CAP PIPING BACK TO THE MAINS.

A.Anthony Tappe & Associates, Inc.
Architects and Planners
Six Edgerly Place,Boston,Massachusetts 02116
Telephone 617-451-0880 Facsimile 617-451-0889

GARCIA & GALUSKA, INC.
CONSULTING ENGINEERS
609 COUNTY ST., NEW BEDFORD,MA 02740-6517
508-998-3388 • FAX 508-990-7821

Additions and Alterations to the

Pine Hill School

Sherborn, Massachusetts

Title:

Block "B" Floor Plans Demolition

Date: 3-20-97 Drawn By: CMG

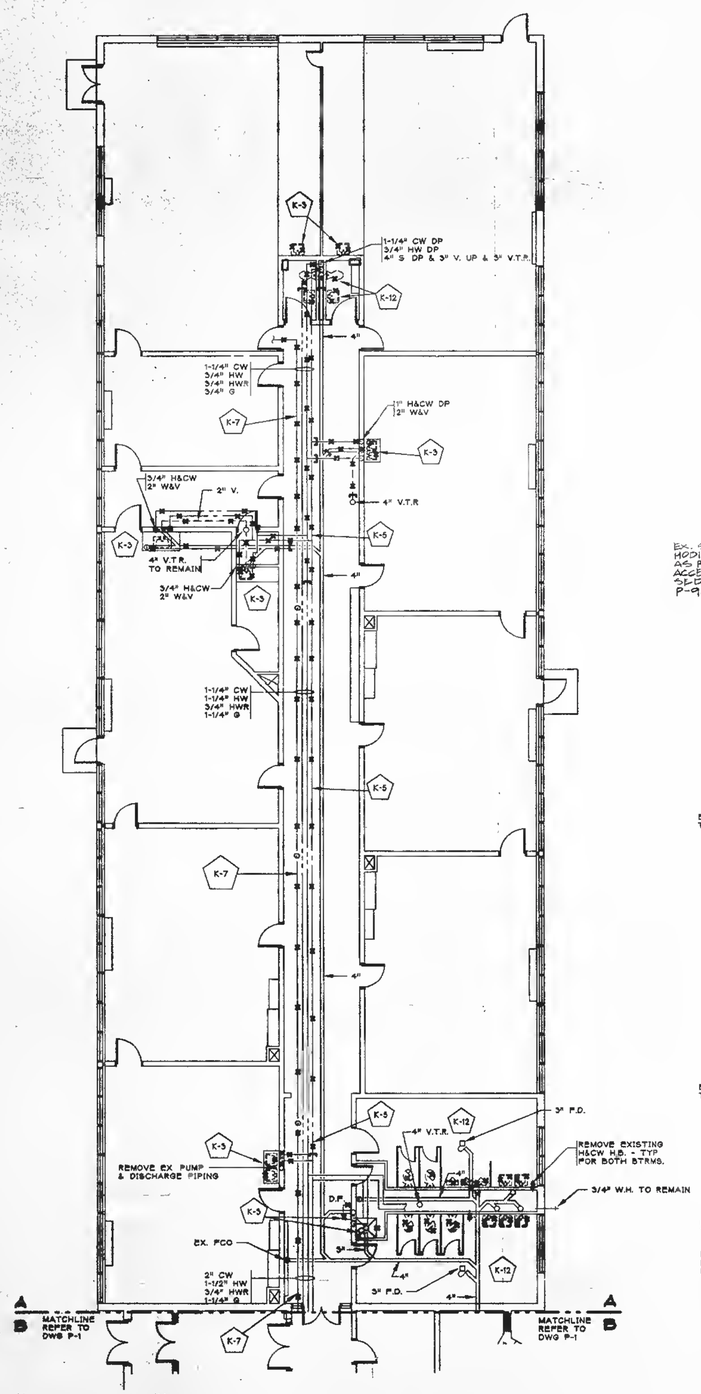
Scale: AS NOTED Job No.: 9606.0

Sheet

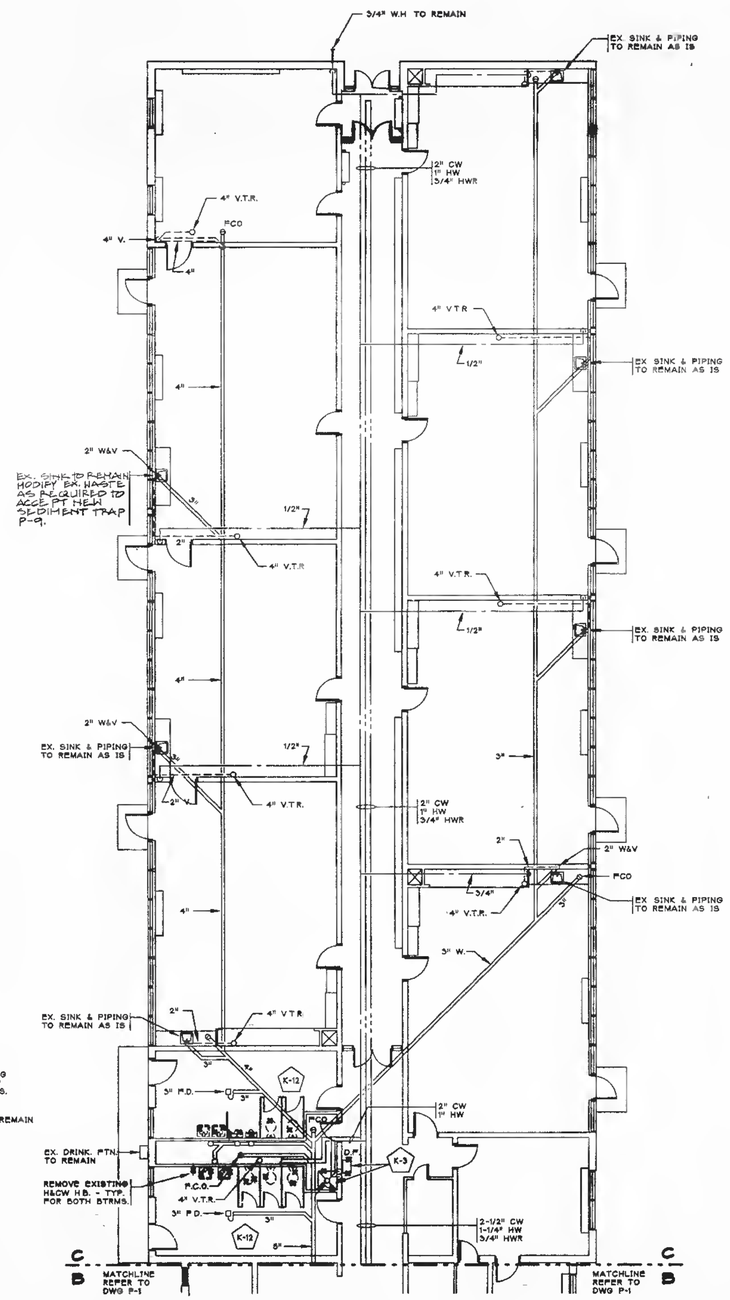
P-1

DEMOLITION KEY NOTES:

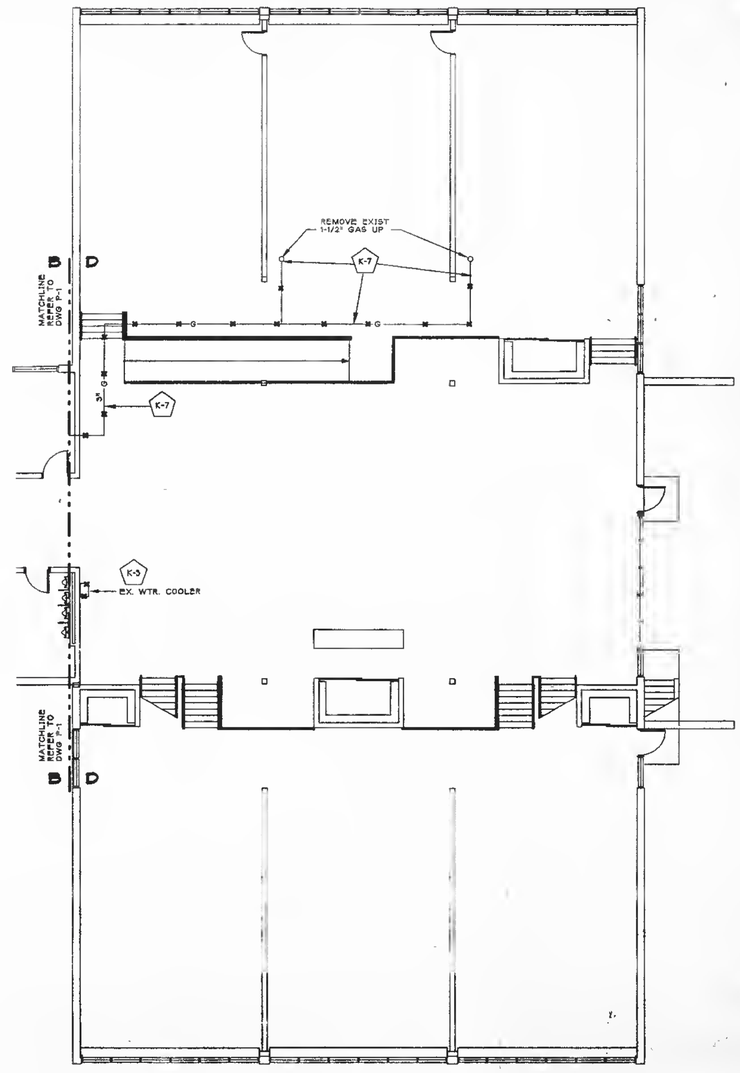
- K-1 REMOVE EXISTING SUMP PUMP, SUMP PIT & 1-1/2" PUMP DISCHARGE IN PIPE TRENCH
- K-2 REMOVE EXISTING EXISTING DRAIN - CUT & CAP AT MAIN
- K-3 REMOVE FIXTURES ONLY AND CAP BEHIND WALL
- K-4 REMOVE EXIST. WASTE PIPING - CUT & CAP AS SHOWN ON DRAWINGS
- K-5 REMOVE EXIST. WATER PIPING - CUT & CAP AS SHOWN ON DRAWINGS
- K-6 ABANDON EX. GAS SERVICE BELOW GRADE, REMOVE EXISTING METER AND EXPOSED PIPING TO BUILDING
- K-7 REMOVE EXISTING GAS PIPING
- K-8 REMOVE EXISTIKG BACKFLOW PREVENTOR AND ASSOCIATED PIPING
- K-9 REMOVE EXISTING ROOF DRAIN
- K-10 REMOVE EXISTING HEAT EXCHANGER, CIRCULATOR AND PIPING TO EXCHANGER.
- K-11 REMOVE ALL PIPING UP TO AND INCLUDING ZONE VALVES FROM WATER HEATER. REPIPE AS SHOWN ON PIPING DETAIL.
- K-12 REMOVE EXISTING FIXTURES, REFER TO SPECIFICATIONS FOR EXTENT OF REMOVAL.



Block "A" Floor Plan - Plumbing Demolition
1/8"=1'-0"



Block "C" Floor Plan - Plumbing Demolition
Scale: 1/8"=1'-0"



Block "D" Floor Plan - Plumbing Demolition
Scale: 1/8"=1'-0"

A. Anthony Tappe & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-461-0800 Facsimile 617-451-0809

GARCIA & GALUSKA, INC.
CONSULTING ENGINEERS
609 COUNTY ST., NEW BEDFORD, MA 02740-0817
508-996-3358 • FAX 508-990-7021

Additions and Alterations to the Pine Hill School

Sherborn, Massachusetts

Title: Block "A" Block "C" Block "D" Floor Plans Demolition

Date: 3-20-97 Drawn By: CMG
Scale: AS NOTED Job No.: 9606.0

Sheet: P-2

PIPE SIZE TO FIXTURE SCHEDULE

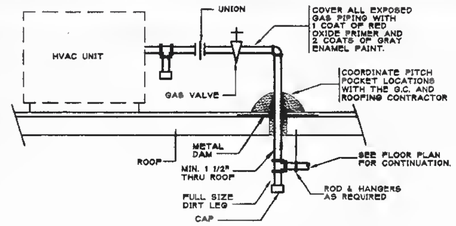
P. NO.	FIXTURE	S/W	VENT	CW	HW	REMARKS
P-1H	WATER CLOSET (ACCESSIBLE)	4"	2"	1-1/4"	-	FLR. MOUNTED
P-2H	WATER CLOSET (ACCESSIBLE)	4"	2"	1-1/4"	-	WALL HUNG
P-3H	URINAL (ACCESSIBLE)	2"	2"	1"	-	WALL HUNG
P-4	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	WALL HUNG
P-5	ELECTRIC WATER COOLER	1-1/2"	1-1/2"	1/2"	-	HI/LOW
P-6	MOP RECEPTOR	3"	2"	3/4"	3/4"	
P-7	HEALTH ROOM SINK	2"	2"	1/2"	1/2"	FAUCET ONLY
P-8	LAVATORY - ACCESSIBLE	1-1/2"	1-1/2"	1/2"	1/2"	WALL HUNG
P-9	SEDIMENT TRAP	2"	2"			ART ROOM SINK

GAS LOAD BREAKDOWN

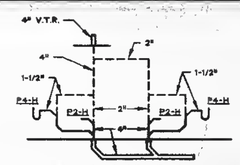
EQUIPMENT	BTUH LOAD	REQUIRED PRESSURE
BOILER	7,500,000	5"
WATER HEATER	125,000	5"
EMERG. GENERATOR	1,560,000	6.5"
RTU #1	600,000	5"
RTU #2	500,000	5"
KITCHEN EQUIP.	320,000	5"
TOTAL:	10,605,000	

SHOCK ABSORBER SCHEDULE

PDI SYMBOL	A	B	C	D	E
SMITH SERIES 5000 OR EQ.	5005	5010	5020	5030	5040

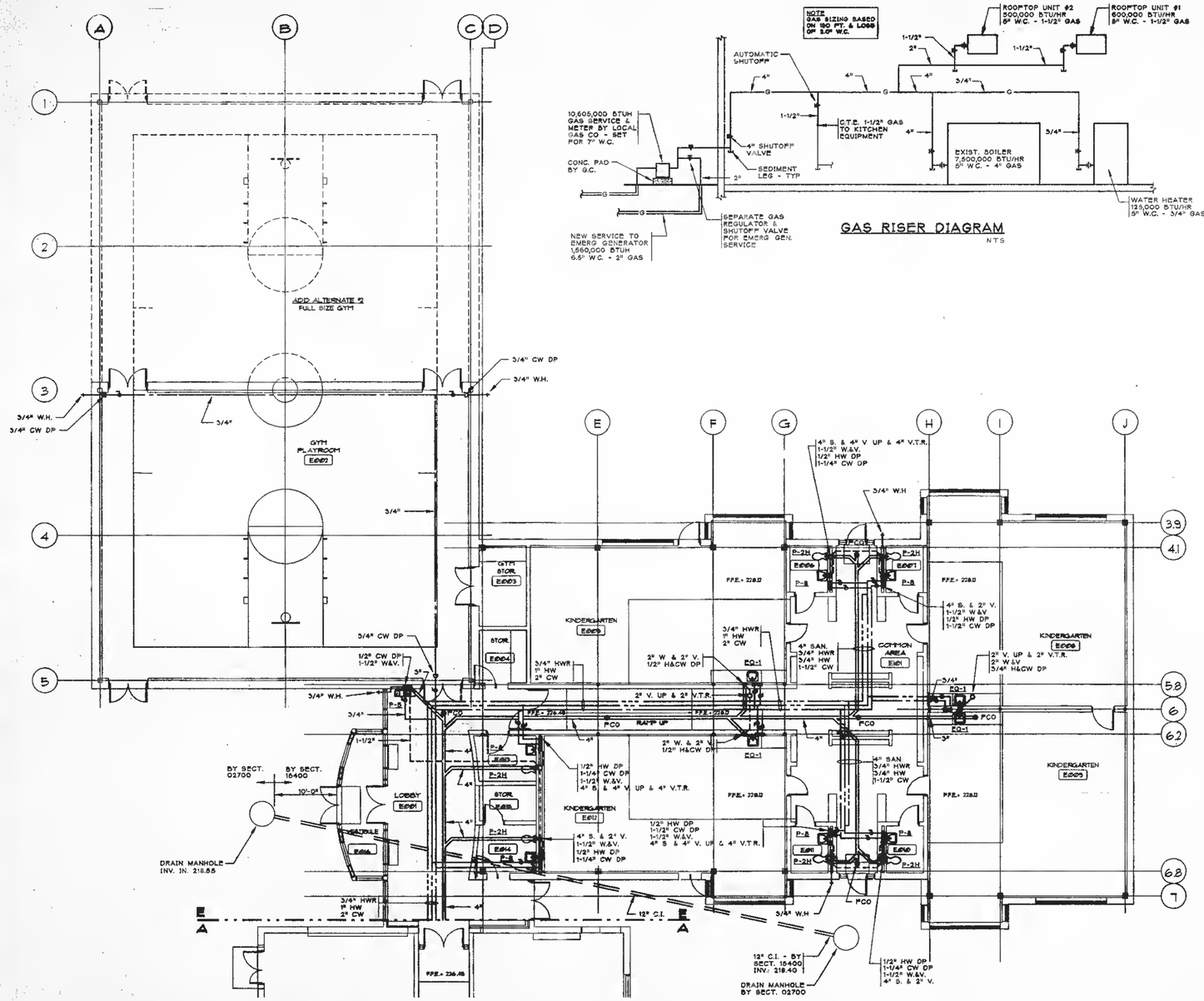


GAS PIPING THRU ROOF DETAIL
N.T.S.



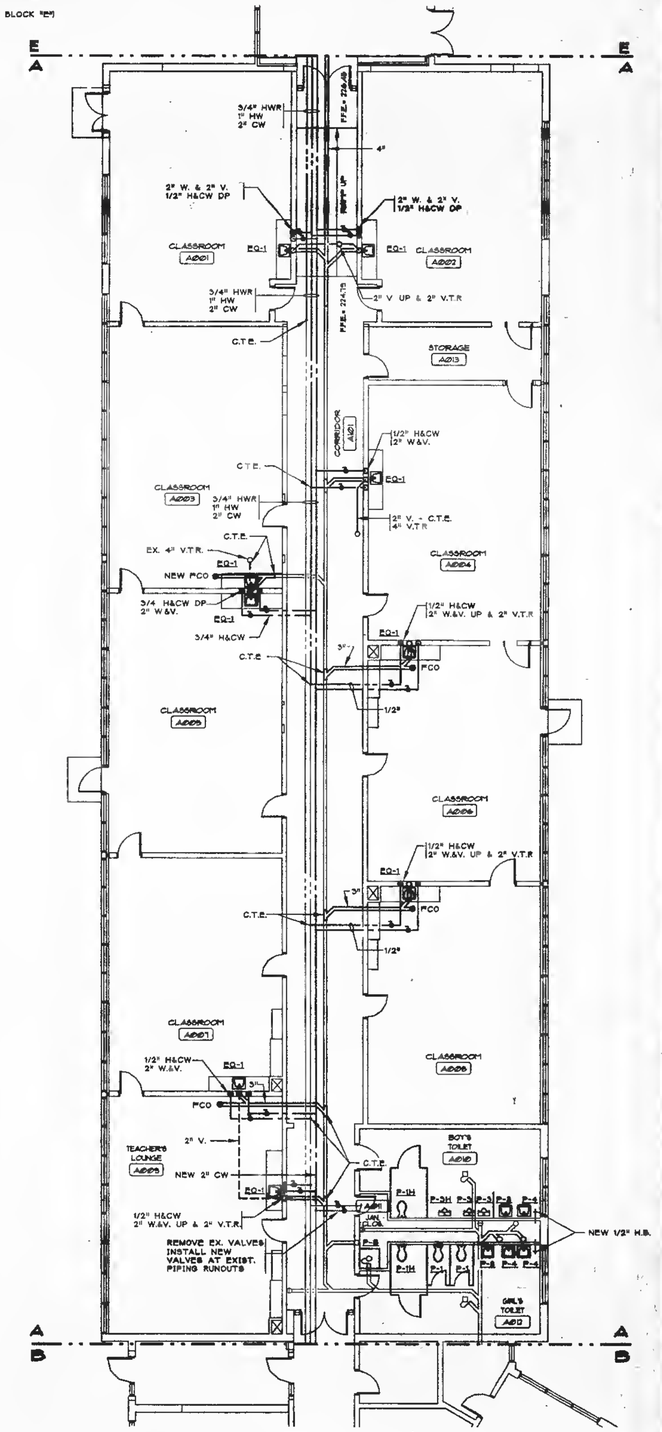
W.&V. RISER DIAGRAM
N.T.S.
(TYPICAL FOR ALL BATHROOMS IN BLOCK "E")

GAS RISER DIAGRAM
NTS



Block "E" Floor Plan - Plumbing
SCALE: 1/8"=1'0"
NOTES:
EQ-1 - SINK & BUBBLER FURNISHED BY SECTION 12300 - INSTALLED BY 15400 - PROVIDE 2" W.&V., 1/2" H&CW AT EACH LOCATION

SPECIAL NOTE:
USE ZURN ZN-1209 NARROW LINE CHAIR CARRIERS AT ALL P-2



Block "A" Floor Plan - Plumbing
SCALE: 1/8"=1'0"
NOTES:
EQ-1 - SINK & BUBBLER FURNISHED BY SECTION 12300 - INSTALLED BY 15400 - PROVIDE 2" W.&V., 1/2" H&CW AT EACH LOCATION

A.Anthony Tappe & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0800 Facsimile 617-451-0890

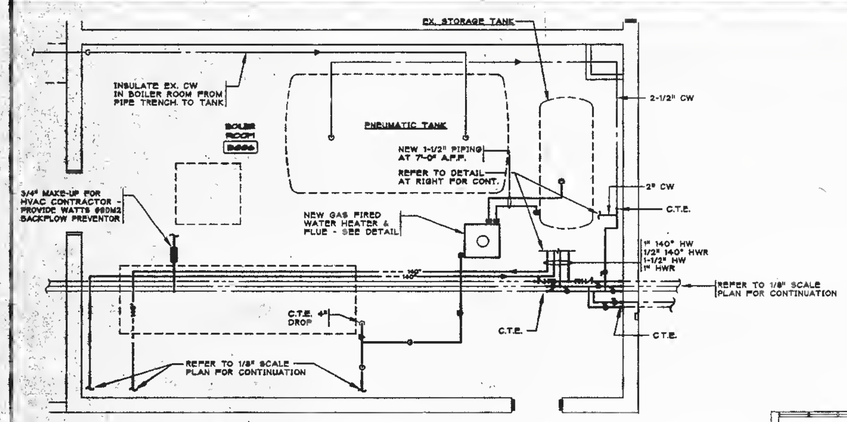
GARCIA & GALUSKA, INC.
CONSULTING ENGINEERS
1 MIDDLESEX STREET, MEDFORD, MA 02740-4617
508-999-3388 • FAX 508-999-7821

Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

Block "A"
Block "E"
Floor Plans

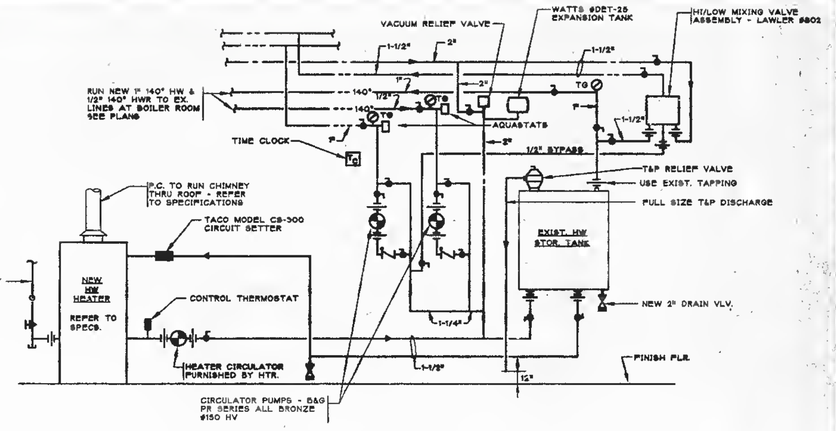
Date: 3-20-97 Drawn By: CMG
Scale: AS NOTED Job No.: 9606.0

P-3



ENLARGED BOILER ROOM PLAN

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

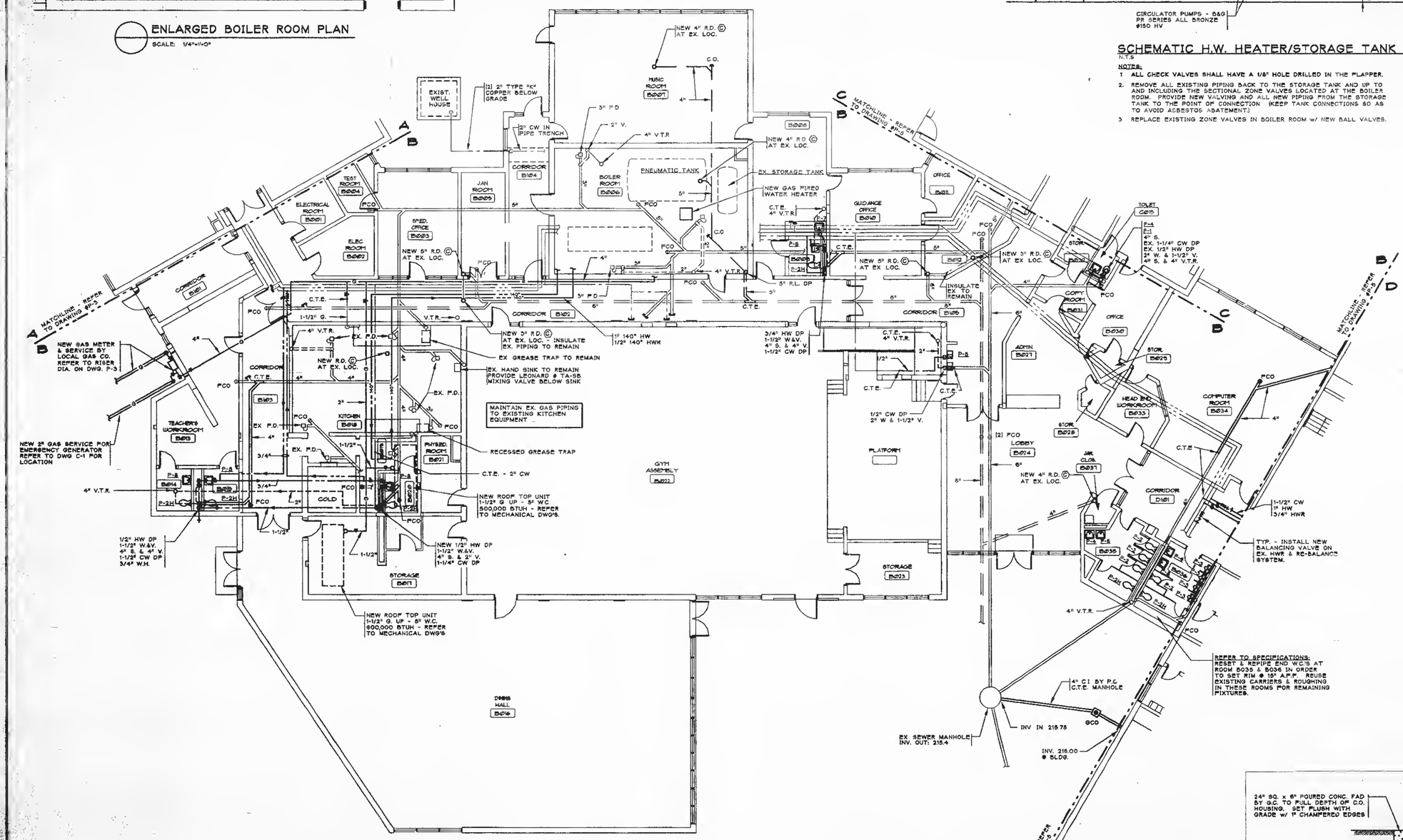


SCHEMATIC H.W. HEATER/STORAGE TANK PIPING

N.T.S

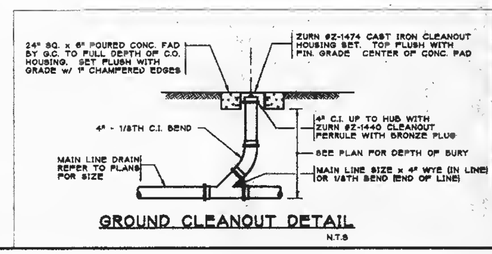
NOTES:

1. ALL CHECK VALVES SHALL HAVE A 1/8" HOLE DRILLED IN THE FLAPPER.
2. REMOVE ALL EXISTING PIPING BACK TO THE STORAGE TANK AND UP TO AND INCLUDING THE SECTIONAL ZONE VALVES LOCATED AT THE BOILER ROOM. PROVIDE NEW VALVING AND ALL NEW PIPING FROM THE STORAGE TANK TO THE POINT OF CONNECTION. (KEEP TANK CONNECTIONS SO AS TO AVOID ASBESTOS ABATEMENT.)
3. REPLACE EXISTING ZONE VALVES IN BOILER ROOM w/ NEW BALL VALVES.



Block "B" FLoor Plan - Plumbing

SCALE: 1/8"=1'-0"
F.F.E.= 224.78



GROUND CLEANOUT DETAIL

N.T.S

A.Anthony Tappe & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0800 Facsimile 617-451-2886

GARCIA & GALUSKA, INC.
CONSULTING ENGINEERS
609 COUNTY ST., NEW BEDFORD, MA 02740-5517
508-996-3388 • FAX 508-990-7981

Additions and Alterations to the

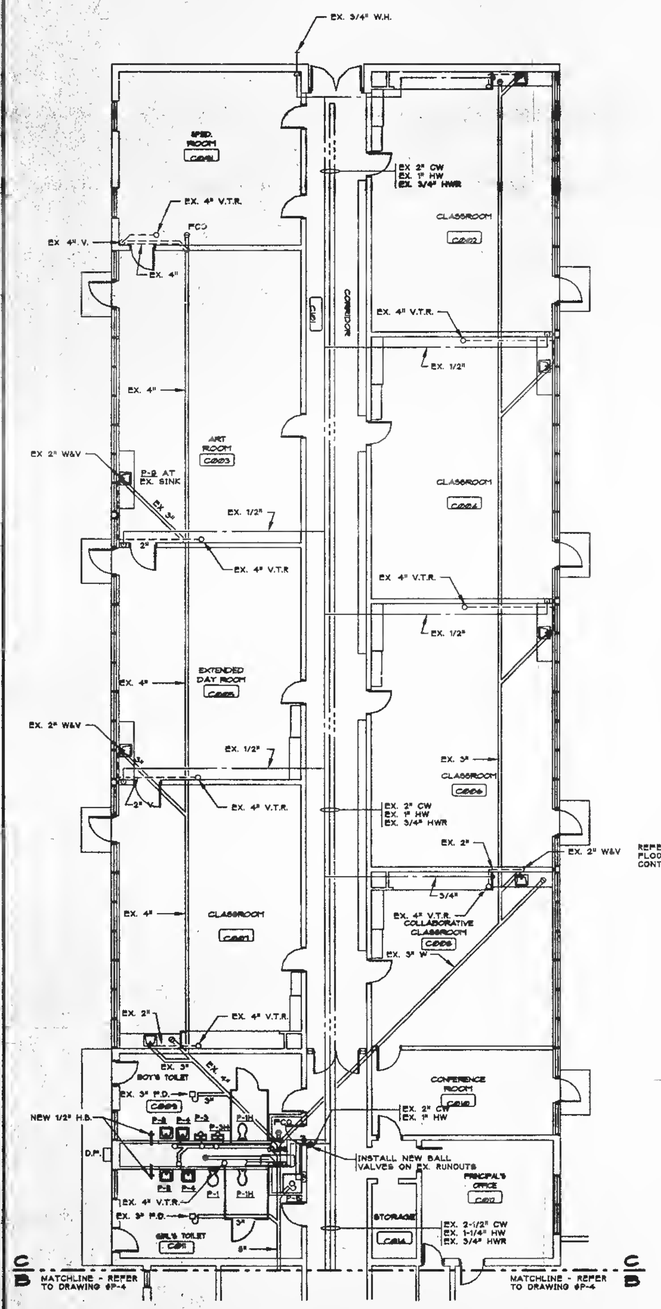
Pine Hill School

Sherborn, Massachusetts

Block "B" Floor Plan

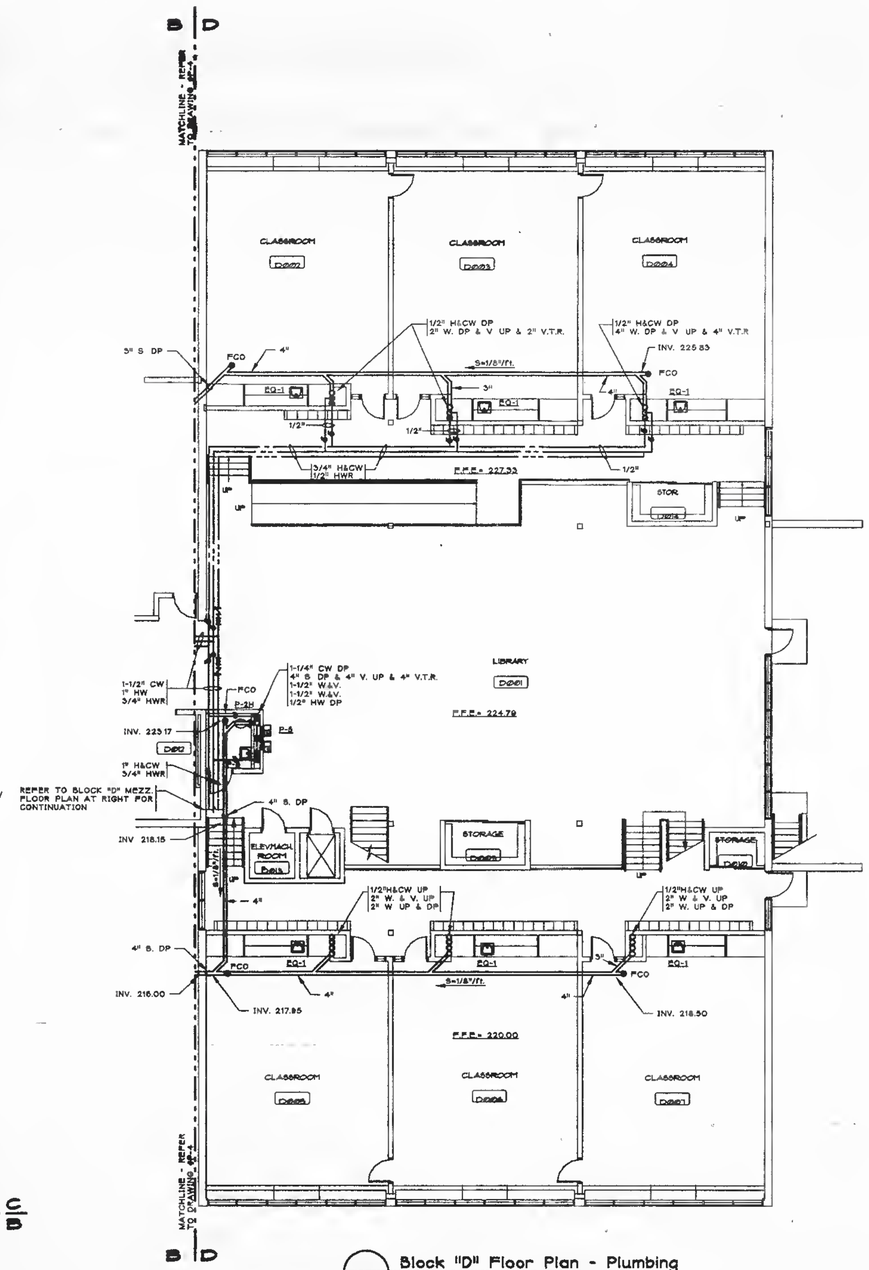
Date: 3-20-97 Drawn By: CMG
Scale: AS NOTED Job No.: 9606.0

P-4



Block "C" Floor Plan - Plumbing

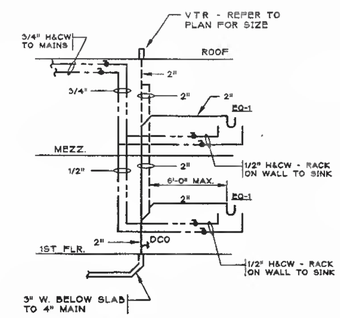
SCALE: 1/8"=1'-0"
F.F.E.= 224.79



Block "D" Floor Plan - Plumbing

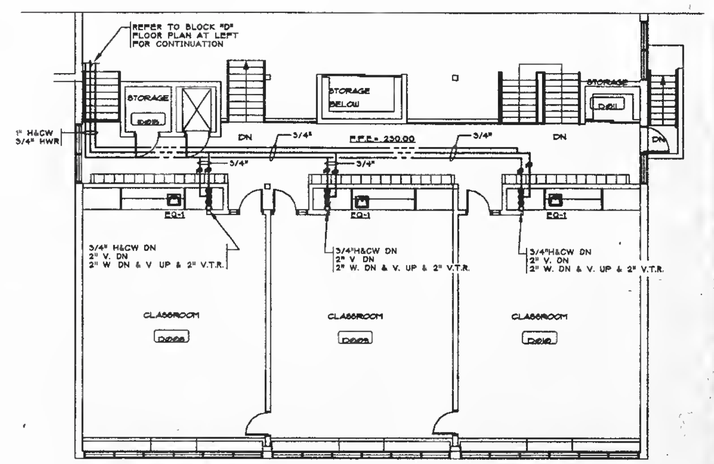
SCALE: 1/8"=1'-0"

NOTES:
EQ-1 - SINK & BUBBLER FURNISHED BY SECTION 12300 - INSTALLED BY 15400 - PROVIDE 2" W.&V., 1/2" H&CW AT EACH LOCATION



TYP. RISER @ SINKS IN BLOCK "D"

N.T.S.



Block "D" Mezzanine Floor Plan - Plumbing

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

MANUEL GARCIA No. 24027

A. Anthony Tappe & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0800 Facsimile 617-451-0800

GARCIA & GALUSKA, INC.
CONSULTING ENGINEERS
609 COUNTY ST., NEW BEDFORD MA 02740-1617
508-996-3383 • FAX 508-990-7821

Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

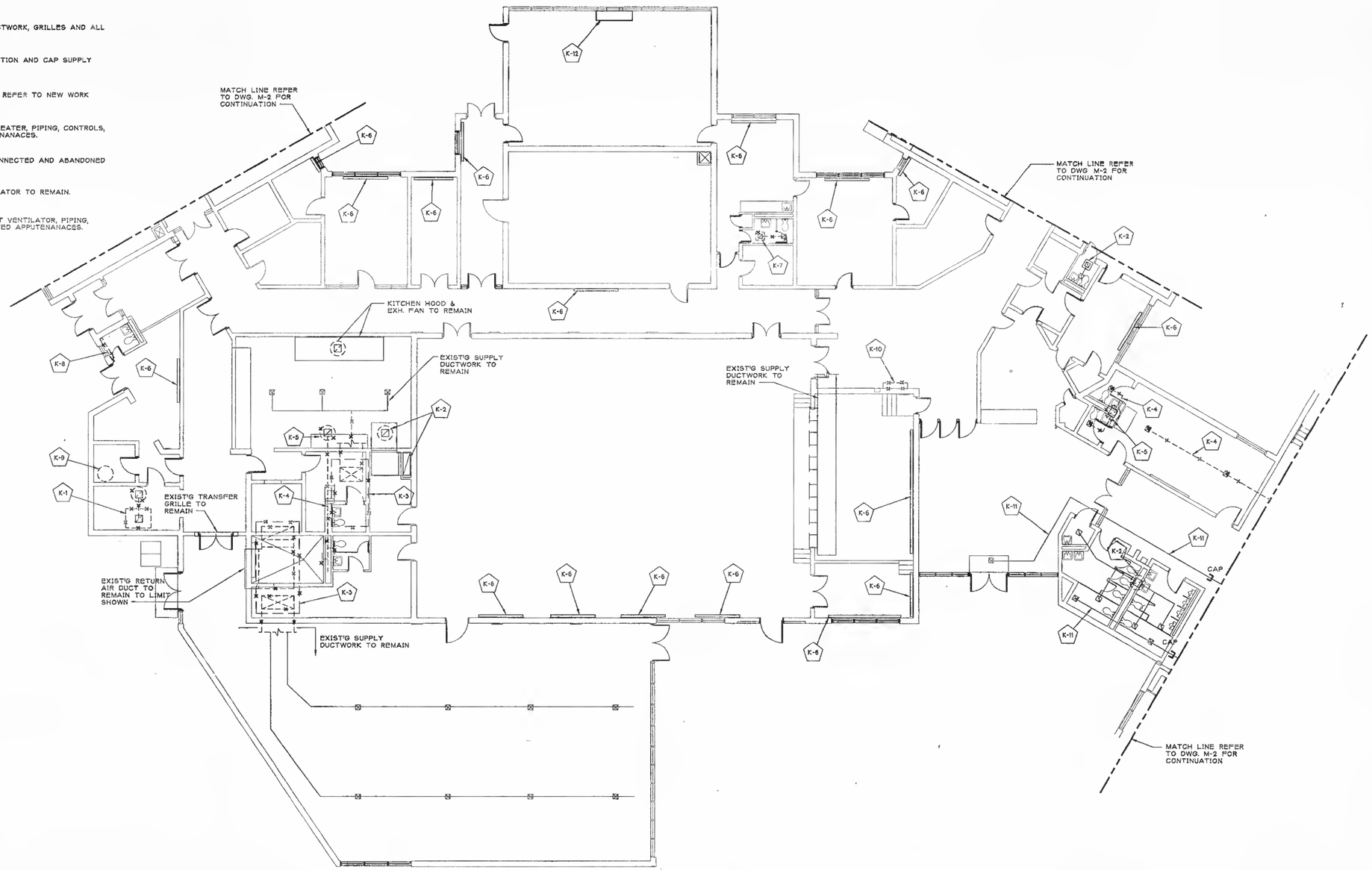
Title:
Block "C"
Block "D"
Block "D" Mezz.
Floor Plans

Date: 3-20-97 Drawn By: CMG
Scale: AS NOTED Job No.: 9608.0

P-5

DEMOLITION KEY NOTES

- K-1 REMOVE EXISTING HOOD, DUCTWORK, FAN, CURB, AND ALL RELATED APPURTENANCES.
- K-2 EXISTING EXHAUST FAN AND ALL RELATED DUCTWORK TO REMAIN
- K-3 REMOVE EXISTING GAS FIRED ROOFTOP UNIT, CURB, DUCTWORK, CONTROLS AND ALL RELATED APPURTENANCES.
- K-4 REMOVE EXISTING DUCTWORK, HANGERS, GRILLES, REGISTERS, ETC.
- K-5 REMOVE EXHAUST FAN, CURB, DUCTWORK, GRILLES AND ALL RELATED APPURTENANCES.
- K-6 EXISTING FIN TUBE RADIATION TO REMAIN.
- K-7 REMOVE INLINE EXHAUST FAN, DUCTWORK, GRILLES AND ALL RELATED APPURTENANCES.
- K-8 REMOVE EXISTING FIN TUBE RADIATION AND CAP SUPPLY AND RETURN PIPING BEHIND WALL.
- K-9 EXISTING KILN TO BE RELOCATED, REFER TO NEW WORK PLAN FOR ADDITIONAL WORK.
- K-10 REMOVE EXISTING CABINET UNIT HEATER, PIPING, CONTROLS, WIRING AND ALL RELATED APPUTENANACES.
- K-11 EXISTING DUCTWORK TO BE DISCONNECTED AND ABANDONED IN PLACE
- K-12 EXISTING CLASSROOM UNIT VENTILATOR TO REMAIN.
- K-13 REMOVE EXISTING CLASSROOM UNIT VENTILATOR, PIPING, CONTROLS, WIRING AND ALL RELATED APPUTENANACES.



PARTIAL FLOOR PLAN "B" - HVAC DEMOLITION

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

Stamp:

Revisions:

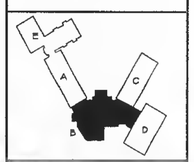
A.Anthony Tappe & Associates, Inc.
Architects and Planners
Six Edgerly Place,Boston Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3000

CARCIA & GALUSKA, INC.
CONSULTING ENGINEERS
609 COUNTY ST., NEW BEDFORD,MA 02740-6517
508-996-3386 • FAX 508-990-7021

Additions and Alterations to the

Pine Hill School

Sherborn, Massachusetts



Title:

Block "B" Demolition Floor Plans

Date: 3/20/97 Drawn By: KB

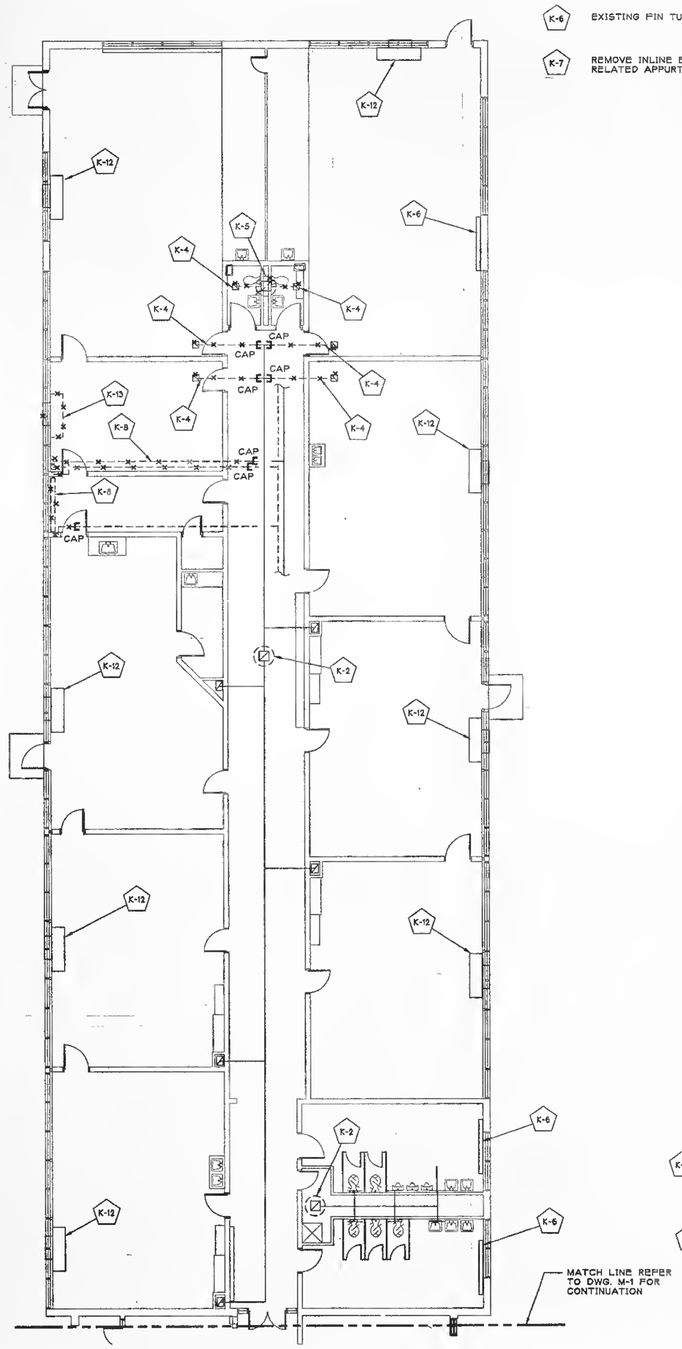
Scale: AS NOTED Job No.:

Sheet:

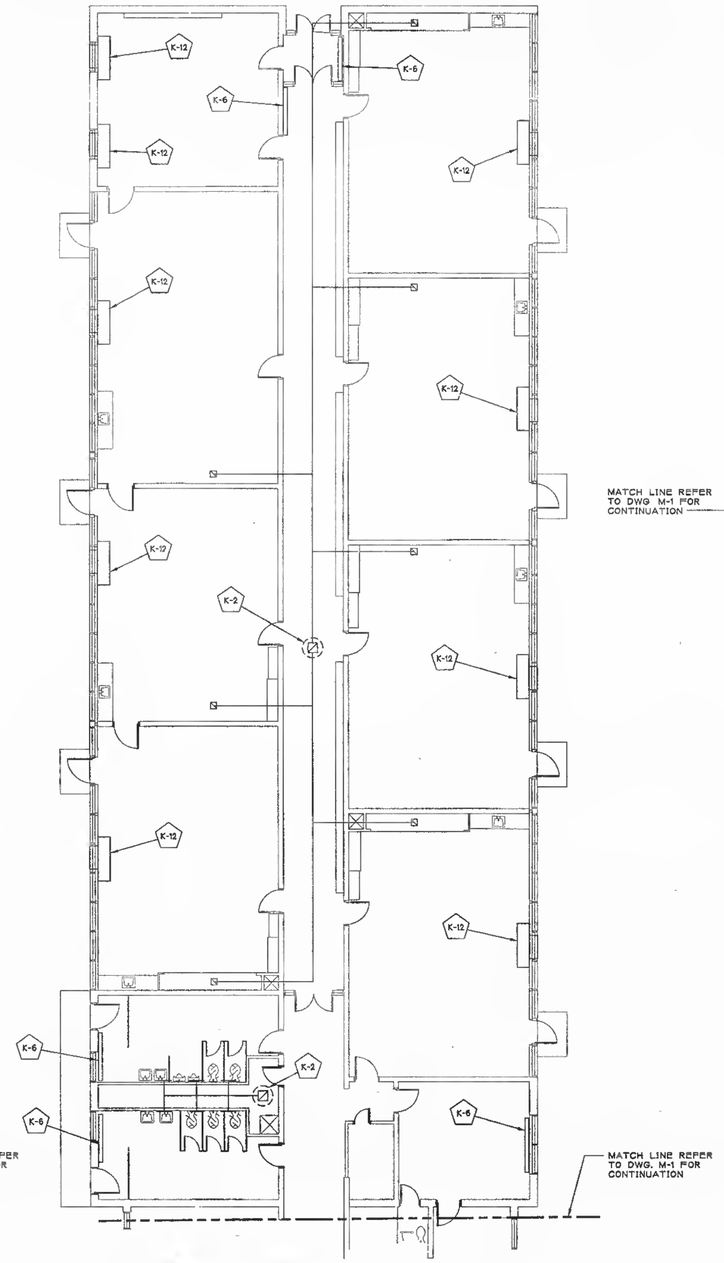
M-1

DEMOLITION KEY NOTES

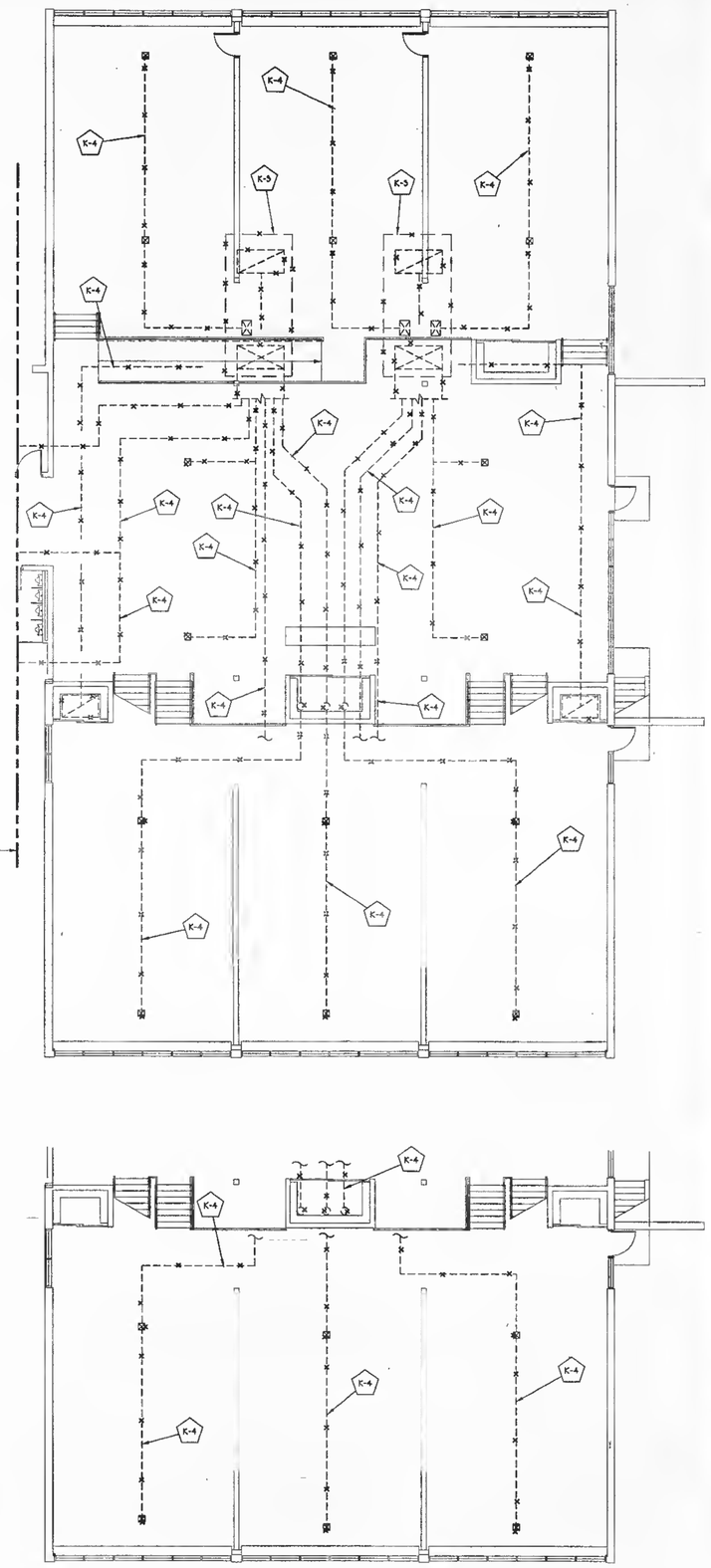
- K-1 REMOVE EXISTING HOOD, DUCTWORK, FAN, CURB, AND ALL RELATED APPURTENANCES.
- K-2 EXISTING EXHAUST FAN AND ALL RELATED DUCTWORK TO REMAIN
- K-3 REMOVE EXISTING GAS FIRED ROOFTOP UNIT, CURB, DUCTWORK, CONTROLS AND ALL RELATED APPURTENANCES.
- K-4 REMOVE EXISTING DUCTWORK, HANGERS, GRILLES, REGISTERS, ETC.
- K-5 REMOVE EXHAUST FAN, CURB, DUCTWORK, GRILLES AND ALL RELATED APPURTENANCES.
- K-6 EXISTING FIN TUBE RADIATION TO REMAIN.
- K-7 REMOVE INLINE EXHAUST FAN, DUCTWORK, GRILLES AND ALL RELATED APPURTENANCES.
- K-8 REMOVE EXISTING FIN TUBE RADIATION AND CAP SUPPLY AND RETURN PIPING BEHIND WALL.
- K-9 EXISTING KILN TO BE RELOCATED, REFER TO NEW WORK PLAN FOR ADDITIONAL WORK.
- K-10 REMOVE EXISTING CABINET UNIT HEATER, PIPING, CONTROLS, WIRING AND ALL RELATED APPUTENANACES.
- K-11 EXISTING DUCTWORK TO BE DISCONNECTED AND ABANDONED IN PLACE
- K-12 EXISTING CLASSROOM UNIT VENTILATOR TO REMAIN.
- K-13 REMOVE EXISTING CLASSROOM UNIT VENTILATOR, PIPING, CONTROLS, WIRING AND ALL RELATED APPUTENANACES.



PARTIAL FLOOR PLAN "A" - HVAC DEMOLITION
SCALE: 1/8" = 1'-0"



PARTIAL FLOOR PLAN "C" - HVAC DEMOLITION
SCALE: 1/8" = 1'-0"



PARTIAL FLOOR PLAN "D" - HVAC DEMOLITION
SCALE: 1/8" = 1'-0"

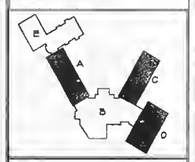
Stamp:

Designer:

A.Anthony Tappe & Associates, Inc.
Architects and Planners
Six Edgerly Place,Boston,Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3899

GARCIA & GALUSKA, INC.
CONSULTING ENGINEERS
609 COUNTY ST., NEW BEDFORD,MA 02740-5317
508-996-3388 • FAX 508-990-7021

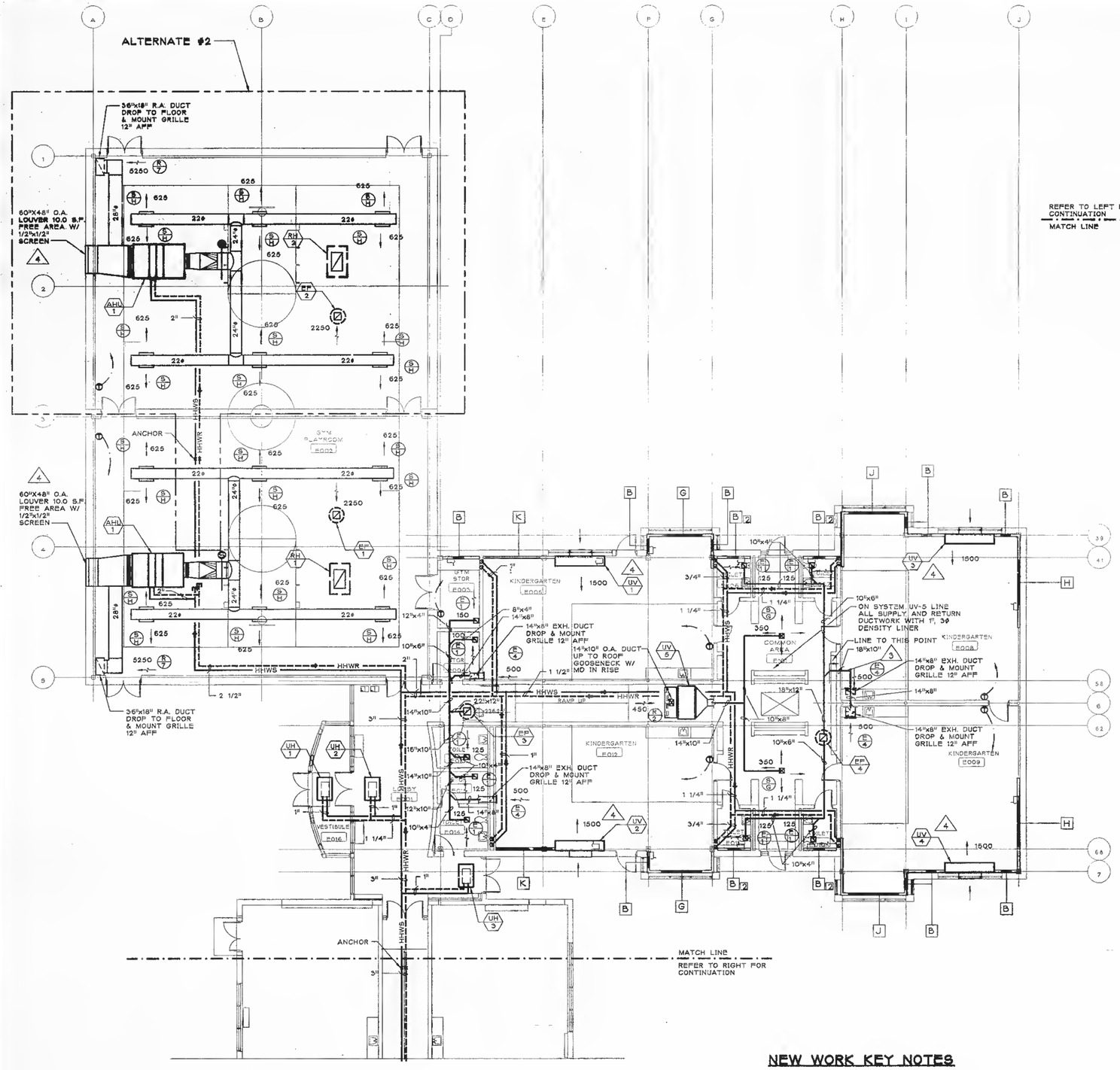
Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts



Title:
Block "A"
Block "C"
Block "D"
Demolition
Floor Plans

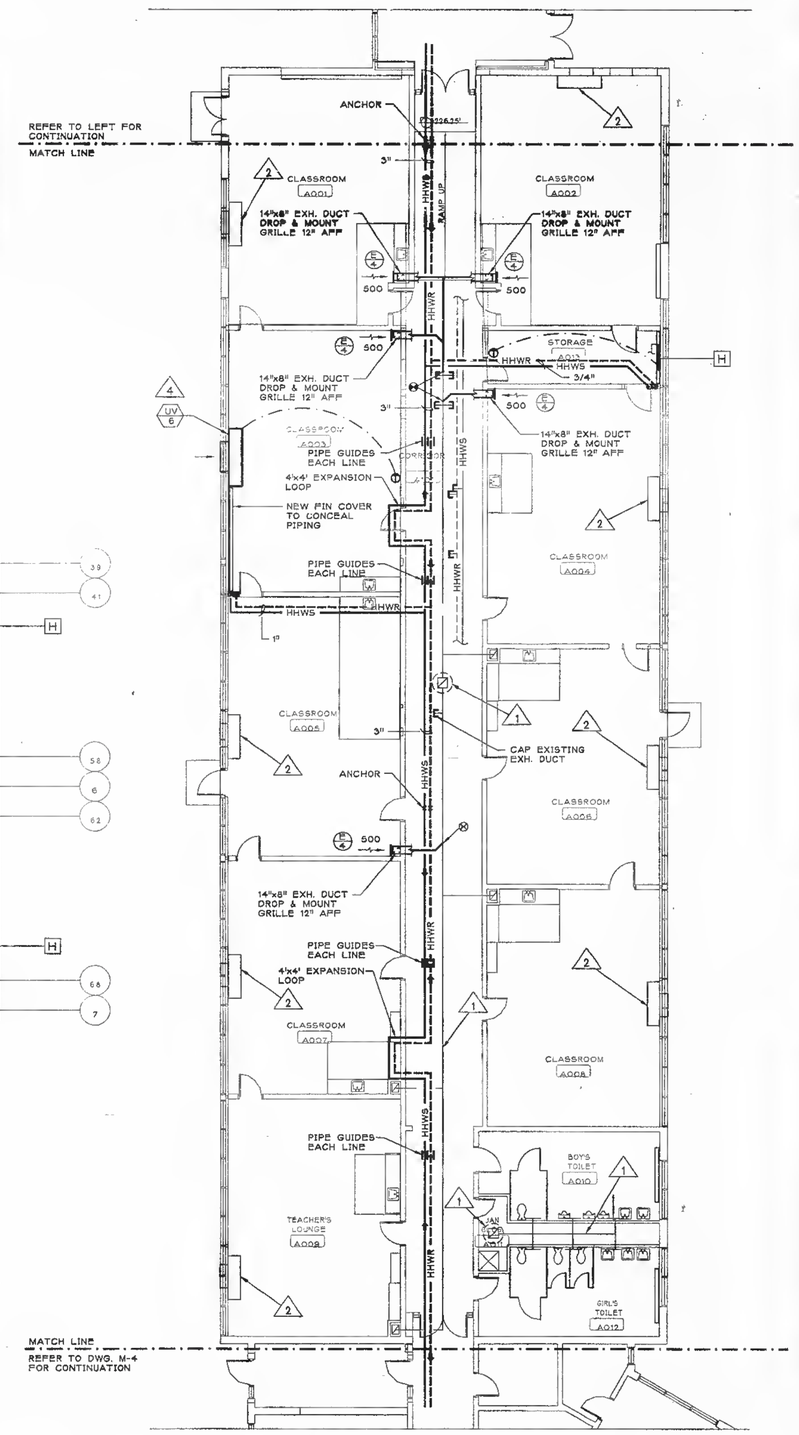
Date: 3/20/97 Drawn By: KB
Scale: AS NOTED Job No.:

Sheet:
M-2



PARTIAL FLOOR PLAN - HVAC NEW WORK

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



PARTIAL FLOOR PLAN - HVAC NEW WORK

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

NEW WORK KEY NOTES

1. EXISTING EXHAUST DUCTWORK AND EXHAUST FAN TO REMAIN
2. EXISTING WALL MOUNTED CLASSROOM UNIT VENTILATOR TO REMAIN
3. ALL EXHAUST DUCTWORK SHALL BE LINED THROUGHOUT FROM REGISTER TO EXHAUST FAN WITH 1", 3# DENSITY LINER
4. ALL INTAKE AND EXHAUST LOUVERS BY OTHERS

Stamp:

No. 34583

Revisions:

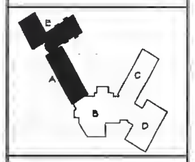
A.Anthony Tappe & Associates, Inc.
Architects and Planners
Six Edgerly Place,Boston,Massachusetts 02116
Telephone 617-451-0800 Facsimile 617-451-3809

CARCIA & GALUSKA, INC.
CONSULTING ENGINEERS
609 COUNTY ST., NEW BEDFORD,MA 02740-5317
508-996-3388 • FAX 508-990-7821

Additions and Alterations to the

Pine Hill School

Sherborn, Massachusetts



Title:

Block "A"
Block "E"
Floor Plans

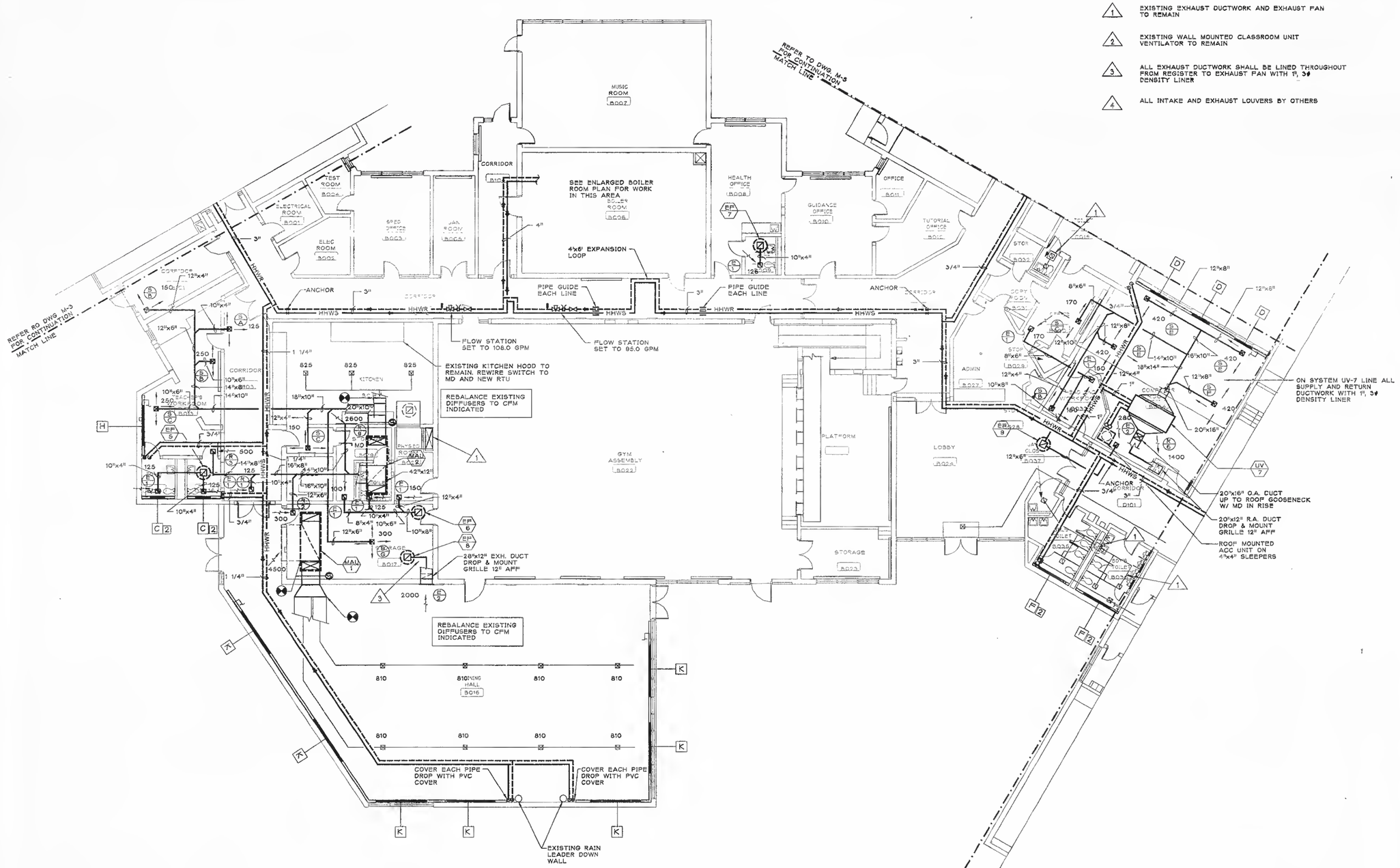
Date: 3/20/97 Drawn By: RJB
Scale: 1/8"=1'-0" Job No.:

Sheet:

M-3

NEW WORK KEY NOTES

1. EXISTING EXHAUST DUCTWORK AND EXHAUST FAN TO REMAIN
2. EXISTING WALL MOUNTED CLASSROOM UNIT VENTILATOR TO REMAIN
3. ALL EXHAUST DUCTWORK SHALL BE LINED THROUGHOUT FROM REGISTER TO EXHAUST FAN WITH 1", 3# DENSITY LINER
4. ALL INTAKE AND EXHAUST LOUVERS BY OTHERS



PARTIAL FLOOR PLAN - HVAC NEW WORK

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

Stamp

Revisions

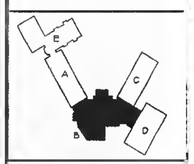
A.Anthony Tappe & Associates, Inc.
Architects and Planners
Six Edgerly Place,Boston,Massachusetts 02116
Telephone 617-451-0800 Facsimile 617-451-3890

GARCIA & GALUSKA, INC.
CONSULTING ENGINEERS
609 COUNTY ST., NEW BEDFORD,MA 02740-1517
508-996-3368 • FAX 508-990-7021

Additions and Alterations to the

Pine Hill School

Sherborn, Massachusetts



Title

Block "B" Floor Plans

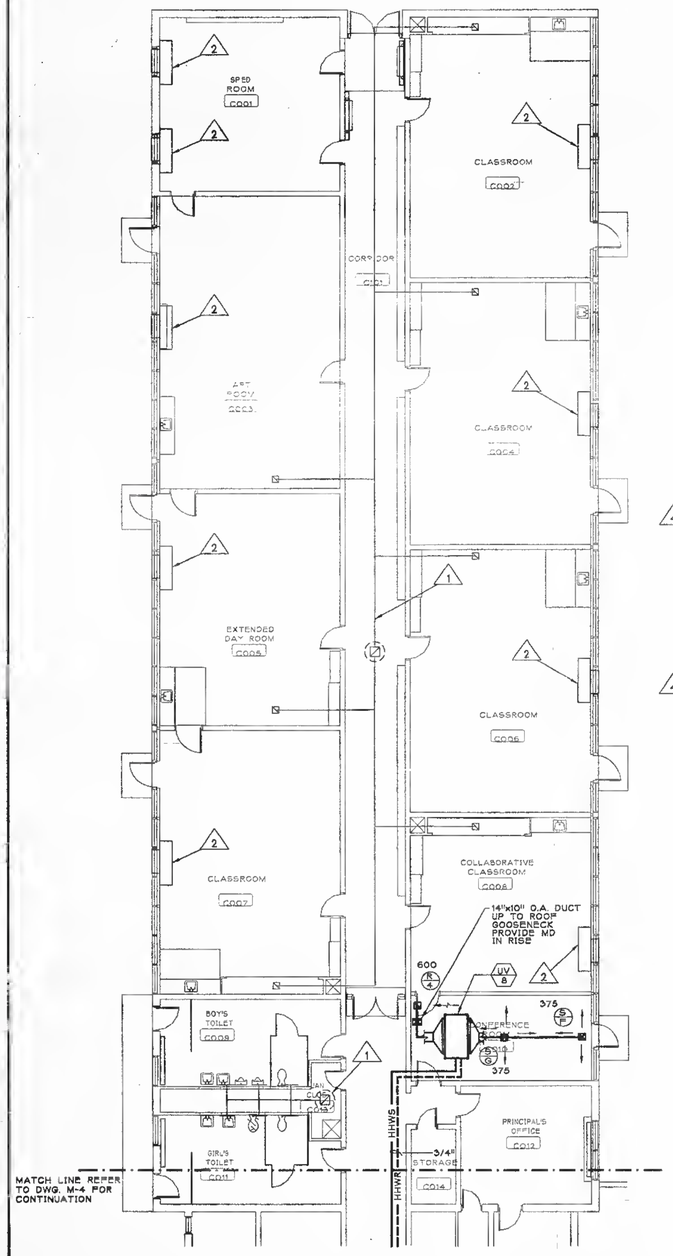
Date: 3/20/97 Drawn By: RJB
Scale: 1/8"=1'-0" Job No.:

Sheet

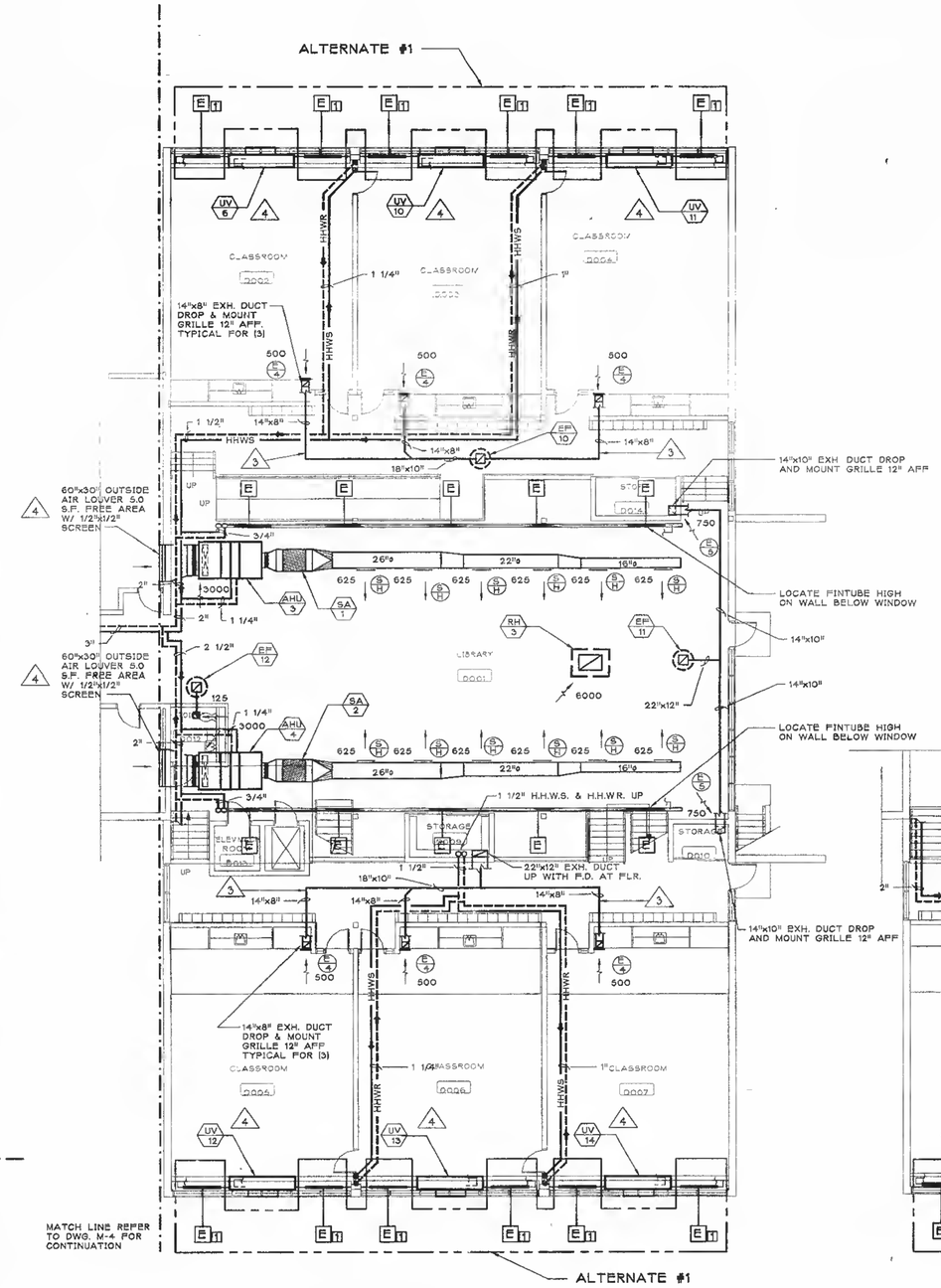
M-4

NEW WORK KEY NOTES

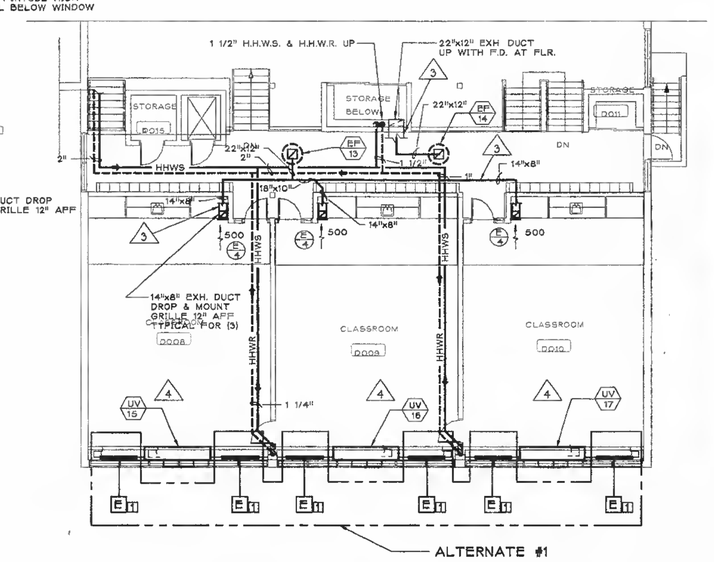
1. EXISTING EXHAUST DUCTWORK AND EXHAUST FAN TO REMAIN
2. EXISTING WALL MOUNTED CLASSROOM UNIT VENTILATOR TO REMAIN
3. ALL EXHAUST DUCTWORK SHALL BE LINED THROUGHOUT FROM REGISTER TO EXHAUST FAN WITH 1", 3# DENSITY LINER
4. ALL INTAKE AND EXHAUST LOUVERS BY OTHERS



PARTIAL FLOOR PLAN - HVAC NEW WORK
SCALE: 1/8"=1'-0"



PARTIAL LOWER FLOOR PLAN - HVAC NEW WORK
SCALE: 1/8"=1'-0"



PARTIAL UPPER FLOOR PLAN - HVAC NEW WORK
SCALE: 1/8"=1'-0"

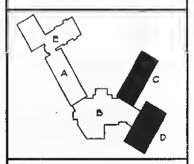
Stamp:

Revisions

A.Anthony Tappe & Associates, Inc.
Architects and Planners
Six Edgerly Place, Boston, Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3999

CARCIA & GALUSKA, INC.
CONSULTING ENGINEERS
609 COUNTY ST., NEW BEDFORD, MA 02740-6517
508-996-3388 • FAX 508-990-7021

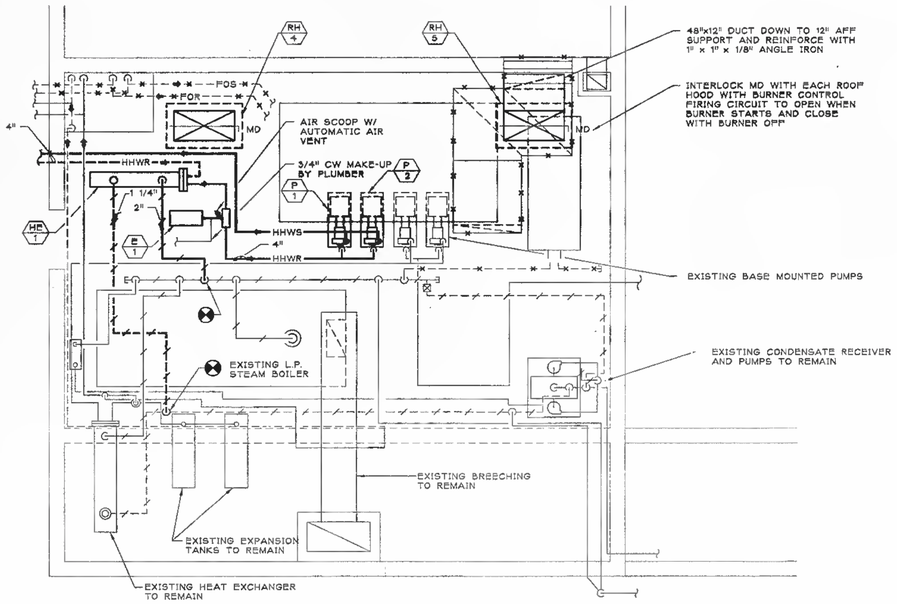
Additions and Alterations to the
Pine Hill School
Sherborn,



Title:
Block "C"
Block "D"
Floor Plans

Date: 3/20/97 Drawn By: RJB
Scale: 1/8"=1'-0" Job No.:

Sheet:
M-5



ENLARGED BOILER ROOM PLAN

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

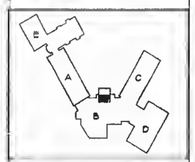
A.Anthony Tappe & Associates, Inc.
Architects and Planners
Six Edgerly Place,Boston,Massachusetts 02116
Telephone 617-451-0800 Facsimile 617-451-3890

GARCIA & GALLUSKA, INC.
CONSULTING ENGINEERS
609 COUNTY ST., NEW BEDFORD,MA 02740-6517
508-996-3388 • FAX 508-990-7821

Additions and Alterations to the

Pine Hill School

Sherborn, Massachusetts



Title:

Boiler Room Floor Plans

Date: 3/20/97 Drawn By: RJB
Scale: 1/4"=1'-0" Job No.:

Sheet:

M-6

UNIT HEATERS (HEATING HOT WATER)

UNIT NO.	MANUF. NO.	C.F.M. HIGH	C.F.M. LOW	M.B.H. HIGH	M.B.H. LOW	G.P.M.	W.P.D.	MOTOR HP.	MOTOR V	MOTOR PH.	E.D.B.	L.D.B.	REMARKS
UH-1	FFE504	400	240	36.8	27.9	4.0	3.9	1/20	120	1	70	168	
UH-2	FFE504	400	240	36.8	27.9	4.0	3.9	1/20	120	1	70	168	
UH-3	FFE504	400	240	36.8	27.9	4.0	3.9	1/20	120	1	70	168	

SELECTION BASED ON TRANE CABINET UNIT HEATERS W/ 200° E.W.T.

CLASSROOM UNIT VENTILATORS

UNIT NO.	MANUF. NO.	TOTAL CFM	O.A. CFM	HEATING ENT. AIR	HEATING LVG. AIR	HEATING AIR P.D.	HEATING WTR. P.D.	HEATING MBH	HEATING GPM	COOLING EDB	COOLING EWB	COOLING LDB	COOLING LWB	COOLING MBH	COOLING GPM	COOLING TOT.	FAN HP	FAN VOLT	FAN PH.	REMARKS
UV-1	VUV-150	1800	600	47	75	.25	20	42.0	4.2	-	-	-	-	-	-	-	1/2	208	3	
UV-2	VUV-150	1800	600	47	75	.25	20	42.0	4.2	-	-	-	-	-	-	-	1/2	208	3	
UV-3	VUV-150	1800	600	47	75	.25	20	42.0	4.2	-	-	-	-	-	-	-	1/2	208	3	
UV-4	VUV-150	1800	600	47	75	.25	20	42.0	4.2	-	-	-	-	-	-	-	1/2	208	3	
UV-5	VUV-078	750	300	42	81	.25	20	31.6	3.2	-	-	-	-	-	-	-	1/3	120	1	
UV-6	VUV-150	1500	500	47	85	.25	20	56.0	5.6	-	-	-	-	-	-	-	1/2	208	3	
UV-7	HUV-750	2400	750	48	70	.25	20	48.0	4.8	78	65	54	53	49	5.0	3/4	1/2	208	3	SEE NOTE #1
UV-8	HUV-750	750	150	48	78	.25	20	18.8	1.8	-	-	-	-	-	-	-	1/3	120	1	
UV-9	VUV-150	1500	500	47	89	.25	20	57.4	6.7	-	-	-	-	-	-	-	1/2	208	3	
UV-10	VUV-150	1500	500	47	87	.25	20	64.0	6.4	-	-	-	-	-	-	-	1/2	208	3	
UV-11	VUV-150	1500	500	47	89	.25	20	68.5	6.9	-	-	-	-	-	-	-	1/2	208	3	
UV-12	VUV-150	1500	500	47	80	.25	20	61.2	6.1	-	-	-	-	-	-	-	1/2	208	3	
UV-13	VUV-150	1500	500	47	82	.25	20	57.0	5.7	-	-	-	-	-	-	-	1/2	208	3	
UV-14	VUV-150	1500	500	47	85	.25	20	61.2	6.1	-	-	-	-	-	-	-	1/2	208	3	
UV-15	VUV-150	1500	500	47	82	.25	20	56.2	5.6	-	-	-	-	-	-	-	1/2	208	3	
UV-16	VUV-150	1500	500	47	79	.25	20	51.0	5.1	-	-	-	-	-	-	-	1/2	208	3	
UV-17	VUV-150	1500	500	47	82	.25	20	56.2	5.6	-	-	-	-	-	-	-	1/2	208	3	

SELECTION BASED ON TRANE CLASSROOM UNIT VENTILATORS W/ 200° E.W.T.
NOTE #1: PROVIDE MATCHING TRANE AIR COOLED CONDENSING UNIT MODEL # TTA 060.

ALTERNATE #1
(SAME EQUIPMENT AS BASE BID
HOWEVER ADJUSTED FOR DECREASE IN FLOW)

CLASSROOM UNIT VENTILATORS (ALTERNATE #1)

UNIT NO.	MANUF. NO.	TOTAL CFM	O.A. CFM	HEATING ENT. AIR	HEATING LVG. AIR	HEATING AIR P.D.	HEATING WTR. P.D.	HEATING MBH	HEATING GPM	COOLING EDB	COOLING EWB	COOLING LDB	COOLING LWB	COOLING MBH	COOLING GPM	FAN HP	FAN VOLT	FAN PH.	REMARKS
UV-9	VUV-150	1500	500	47	81	.25	20	55.0	5.5	-	-	-	-	-	-	1/2	208	3	
UV-10	VUV-150	1500	500	47	79	.25	20	51.1	5.1	-	-	-	-	-	-	1/2	208	3	
UV-11	VUV-150	1500	500	47	82	.25	20	56.2	5.6	-	-	-	-	-	-	1/2	208	3	
UV-12	VUV-150	1500	500	47	77	.25	20	49.0	4.9	-	-	-	-	-	-	1/2	208	3	
UV-13	VUV-150	1500	500	47	75	.25	20	44.7	4.5	-	-	-	-	-	-	1/2	208	3	
UV-14	VUV-150	1500	500	47	77	.25	20	49.0	4.9	-	-	-	-	-	-	1/2	208	3	
UV-15	VUV-150	1500	500	47	74	.25	20	43.8	4.4	-	-	-	-	-	-	1/2	208	3	
UV-16	VUV-150	1500	500	47	71	.25	20	38.5	3.9	-	-	-	-	-	-	1/2	208	3	
UV-17	VUV-150	1500	500	47	74	.25	20	43.8	4.4	-	-	-	-	-	-	1/2	208	3	

SELECTION BASED ON TRANE CLASSROOM UNIT VENTILATORS W/ 200° E.W.T.

AIR HANDLING UNITS

UNIT NO.	MANUF. NO.	TOTAL C.F.M.	O.A. C.F.M.	HEATING COILS ENT. AIR	HEATING COILS LVG AIR	HEATING COILS AIR P.D.	HEATING COILS WAT. P.D.	HEATING COILS HW GPM	HEATING COILS HTG. M.B.H.	TOT S.P.	MOTOR H.P.	MOTOR V	MOTOR PH.	FAN R.P.M.	FAN WHEEL DIA	REMARKS
AHU-1	CLCH-17	7500	2250	49	77	0.08	0.33	23.0	230.0	2.0"	5	208	3	675	20"	
AHU-2	CLCH-17	7500	2250	49	77	0.08	0.33	23.0	230.0	2.0"	5	208	3	675	20"	
AHU-3	CLCH-10	3750	750	56	87	0.16	0.24	12.6	126.0	2.0"	3	208	3	950	15"	
AHU-4	CLCH-10	3750	750	56	87	0.16	0.24	12.6	126.0	2.0"	3	208	3	950	15"	

SELECTION BASED ON TRANE MODULAR CLIMATE CHANGER W/ MODIFIED HOT WATER COIL, ANGLED FILTER MIXING BOX AND INTERNAL FACE AND BYPASS DAMPERS.

CONVERTERS (STEAM TO HOT WATER)

UNIT NO.	MANUF. NO.	STEAM SIDE LBS/HR	STEAM SIDE PRESS	WATER SIDE P.D. FT	WATER SIDE ENT°F	WATER SIDE LVG°F	WATER SIDE GPM	WATER SIDE P.D. FT	WATER SIDE MBH	HTG. AREA SQ. FT.	REMARKS
HE-1	SU10 4-2	1880	10.0	-	180	200	179	1.40	1790	56.8	

SELECTION BASED ON BELL & GOSSETT

EXPANSION TANKS

UNIT NO.	MANUF. NO.	SERVICE	SIZE	SYSTEM PRESSURES MIN.	MAX.	RELIEF
E-1	AX-20	HHW	110 GAL	11.0	40.0	45.0

SELECTION BASED ON AMTROL

CONVERTERS (STEAM TO HOT WATER)

UNIT NO.	MANUF. NO.	STEAM SIDE LBS/HR	STEAM SIDE PRESS	WATER SIDE P.D. FT	WATER SIDE ENT°F	WATER SIDE LVG°F	WATER SIDE GPM	WATER SIDE P.D. FT	WATER SIDE MBH	HTG. AREA SQ. FT.	REMARKS
HE-1	SU10 5-2	2122	10.0	-	180	200	202	1.40	2020	71.8	

SELECTION BASED ON BELL & GOSSETT

ALTERNATE #2
(SAME EQUIPMENT AS BASE BID
HOWEVER ADJUSTED FOR INCREASE IN FLOW)

GAS FIRED MAKE UP AIR UNITS

UNIT NO.	MANUF. NO.	TOTAL CFM	O.A. CFM	E.D.B.	L.D.B.	OUTPUT MBH	CFH	T.S.P. IN W.G.	MOTOR HP.	MOTOR V	MOTOR PH.	RPM	REMARKS
MAU-1	RPBL-600	6500	2000	49	110	480	600	2.0	7.5	208	3	1250	
MAU-2	RPBL-600	3700	625	58	110	400	500	2.0	5.0	208	3	1110	SEE NOTE #1

SELECTION BASED ON REZNOR WITH OUTSIDE AIR HOOD AND SUPPLY AND RETURN DOWNTURN PLENUMS.
NOTE #1: MAU-2 TO GO TO 100% OUTSIDE AIR WHEN KITCHEN EXHAUST HOOD STARTS

FIN TUBE RADIATION

UNIT NO.	MANUF. NO.	ACTIVE LENGTH	COVER LENGTH	NO. OF ROWS	M.B.H.	ENCLOSURE HEIGHT	G.P.M.	REMARKS
A	S-144	1'-0"	-	1/40	1.23	14"	0.12	
B	S-144	2'-0"	-	1/40	2.46	14"	0.25	
C	S-144	3'-0"	-	1/40	3.69	14"	0.37	
D	S-144	4'-0"	-	1/40	4.92	14"	0.49	
E	S-144	5'-0"	-	1/40	6.15	14"	0.62	
F	S-144	6'-0"	-	1/40	7.38	14"	0.74	
G	S-144	7'-0"	-	1/40	8.61	14"	0.86	
H	S-144	8'-0"	-	1/40	9.84	14"	0.98	
J	S-144	9'-0"	-	1/40	11.07	14"	1.10	
K	S-144	10'-0"	-	1/40	12.30	14"	1.23	

SELECTION BASED ON STERLING JVB SLOPE TOP ENCLOSURE 4 1/2" SQ.
STEEL FIN, STEEL ELEMENT 190° A.W.T., 20° W.T.D.

[1] PROVIDE ONLY ELMENT, HANGERS, ETC. OMIT ONLY COVER.

[2] PROVIDE INVERTED SLOPE TOP ENCLOSURE MOUNTED A MIN. OF 6'-8" A.F.F.

DIFFUSERS

NO.	SIZE	STYLE
A	6"x6"	3 WAY
B	9"x9"	2 WAY
C	9"x9"	3 WAY
D	9"x9"	4 WAY
E	12"x12"	2 WAY
F	12"x12"	3 WAY
G	12"x12"	4 WAY
H	MTRJ-3-0624	

SELECTION BASED ON TUTTLE & BAILEY "RC"

REGISTER

NO.	SIZE	STYLE
1	8"x8"	CRE500
2	8"x8"	CRE500
3	8"x8"	CRE500
4	12"x24"	T110DG
5	12"x30"	T110DG
6	18"x36"	T110DG
7	36"x48"	T110DG
8	24"x36"	T110DG
9	48"x24"	T110DG

SELECTION BASED ON TUTTLE & BAILEY

SOUND ATTENUATOR

UNIT NO.	MANUF NO.	CFM	PD	SIZE	LENGTH	VEL	ATTENUATION (DB) 2 OB	3 OB	4 OB	REMARKS
SA-1	3 MS	3750	0.10	30"x18"	3'-0"	1000	7	12	19	
SA-2	3 MS	3750	0.10	30"x18"	3'-0"	1000	7	12	19	

SELECTION BASED ON "IAC" DUCT SILENCERS

WATER PUMPS

UNIT NO.	MANUF. NO.	SERVICE	G.P.M.	T.D.H. FT WATER	MOTOR HP.	MOTOR VOLT	MOTOR PH.	REMARKS
P-1	38B	HHW	179	60.0	5.0	208	3	
P-2	38B	HHW	179	60.0	5.0	208	3	

SELECTION BASED ON BELL & GOSSETT
PROVIDE MANUAL ALTERNATOR PANEL

ALTERNATE #2
(SAME EQUIPMENT AS BASE BID
HOWEVER ADJUSTED FOR INCREASE IN FLOW)

WATER PUMPS

UNIT NO.	MANUF. NO.	SERVICE	G.P.M.	T.D.H. FT WATER	MOTOR HP.	MOTOR VOLT	MOTOR PH.	REMARKS
P-1	38B	HHW	202	60.0	5.0	208	3	
P-2	38B	HHW	202	60.0	5.0	208	3	

SELECTION BASED ON BELL & GOSSETT
PROVIDE MANUAL ALTERNATOR PANEL

EXHAUST FANS

UNIT NO.	MANUF. NO.	DRIVE TYPE	TIP SPEED	SP	CFM	RPM	SONES	FAN MOTOR HP	FAN MOTOR V	FAN MOTOR PH	CONTROL TYPE	CONTROL SYST.	REMARKS
EF-1	GS-240	BELT	2550	0.25	2250	400	3.9	1/4	120	1	S	BLDG	
EF-2	GS-240	BELT	2550	0.25	2250	400	3.9	1/4	120	1	S	BLDG	
EF-3	GS-240	BELT	2400	0.25	1625	375	2.8	1/4	120	1	S	BLDG	
EF-4	GS-240	BELT	2380	0.25	1500	370	2.6	1/4	120	1	S	BLDG	
EF-5	GS-80	BELT	2480	0.25	250	850	3.3	1/4	120	1	S	BLDG	
EF-6	GS-90	BELT	2500	0.25	375	840	4.3	1/4	120	1	S	BLDG	
EF-7	GS-70	BELT	2730	0.25	125	930	3.3	1/4	120	1	S	BLDG	
EF-8	GS-240	BELT	2470	0.25	2000	385	3.4	1/4	120	1	S	BLDG	
EF-9	GS-100	BELT	2800	0.25	600	850	4.0	1/4	120	1	S	BLDG	
EF-10	GS-240	BELT	2380	0.25	1500	370	2.6	1/4	120	1	S	BLDG	
EF-11	GS-240	BELT	2380	0.25	1500	370	2.6	1/4	120	1	S	BLDG	
EF-12	GS-70	BELT	2730	0.25	125	930	3.3	1/4	120	1	S	BLDG	
EF-13	GS-240	BELT	2380	0.25	1500	370	2.6	1/4	120	1	S	BLDG	
EF-14	GS-240	BELT	2380	0.25	1500	370	2.6	1/4	120	1	S	BLDG	

SELECTION BASED ON GREENHECK

LEGEND

SYMBOL	ABBREV	DESCRIPTION
Ø	DIA	DIAMETER
	HHWS	HEATING HOT WATER SUPPLY
	HHWR	HEATING HOT WATER RETURN
	RL	REFRIGERANT LIQUID
	RS	REFRIGERANT SUCTION
	LPS	LOW PRESSURE STEAM
	LPR	LOW PRESSURE RETURN
	G	GAS
		GATE VALVE
		GLOBE VALVE
		CHECK VALVE
		BUTTERFLY VALVE
		BALL VALVE
		THREE-WAY CONTROL VALVE
		TWO-WAY CONTROL VALVE
		FLOW METERING ELEMENT
		CIRCUIT SETTER VALVE
		PLUG VALVE
		SAFETY VALVE
		STRAINER
		UNION
		AUTOMATIC AIR VENT
		PIPE UP (ELBOW)
		PIPE DOWN (ELBOW)
		PRESSURE GAGE WITH GAGE COCK
		THERMOMETER
		CAP ON END OF PIPE
		FLOW IN DIRECTION OF ARROW
		THERMOSTAT
		SUPPLY DIFFUSER SCHEDULE NO.
		RETURN REGISTER/GRILLE SCHEDULE NO.
		EXHAUST REGISTER/GRILLE SCHEDULE NO.
		SUPPLY AIR DUCT SECTION
		RETURN/EXHAUST AIR DUCT SECTION
		SUPPLY AIR
		RETURN/EXHAUST AIR
	SD	SMOKE DAMPER
	MD	MOTORIZED DAMPER
	FD	FIRE DAMPER
	VD	VOLUME DAMPER
	BD	BACKDRAFT DAMPER
		SMOKE DETECTOR
		CONNECT TO EXISTING
	TYP.	TYPICAL
	ACC	AIR COOLED CONDENSER
	RH	ROOF HOOD
	ET	EXPANSION TANK
	A.H.U.	AIR HANDLING UNIT
	R.T.U.	ROOF TOP UNIT
	EF	EXHAUST FAN
	UH	UNIT HEATER (CABINET OR HORIZONTAL)
	O.A.	OUTSIDE AIR
	CFM	CUBIC FEET PER MINUTE
	VEL	VELOCITY
	E.A.T.	ENTERING AIR TEMPERATURE
	L.A.T.	LEAVING AIR TEMPERATURE
	D.B.	DRY BULB
	W.B.	WET BULB
	E.D.B.	ENTERING DRY BULB
	E.W.B.	ENTERING WET BULB
	L.D.B.	LEAVING DRY BULB
	L.W.B.	LEAVING WET BULB
	E.W.T.	ENTERING WATER TEMPERATURE
	L.W.T.	LEAVING WATER TEMPERATURE
	T.S.P.	TOTAL STATIC PRESSURE
	E.S.P.	EXTERNAL STATIC PRESSURE
	T.D.H.	TOTAL DYNAMIC HEAD
	P.D.	PRESSURE DROP
	HP	HORSEPOWER
	V	VOLTS
	PH	PHASE
	MANUF	MANUFACTURER
	T'STAT	THERMOSTAT
	A.F.F.	ABOVE FINISHED FLOOR
	U.D.	UNDERCUT DOOR
	N.T.S.	NOT TO SCALE
	CO	CLEANOUT
	SA	SOUND ATTENUATOR
	RAF	RETURN AIR FAN
	MAU	MAKE-UP AIR UNIT
	P	PUMP
	CRU	COMPUTER ROOM UNIT
	B	BOILER

GENERAL NOTES

1. ALL PIPING AND DUCTWORK UNLESS DIMENSIONED IS SHOWN DIAGRAMATICALLY ONLY, EXACT LOCATION SHALL BE DETERMINED IN FIELD AFTER COORDINATING WITH OTHER WORK.
2. FOR TYPICAL PIPING DIAGRAMS AND CONNECTIONS AT EQUIPMENT, SEE DETAIL DRAWINGS.
3. EXACT LOCATION OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES SHALL BE COORDINATED WITH LIGHTING FIXTURES. REFER TO REFLECTED CEILING PLAN.
4. FOR DETAILS OF ROOF CURBS, FLASHING, PIPING, AND VENTS THRU ROOF REFER TO ARCHITECTURAL DRAWINGS.
5. FOR LOCATION OF OPENINGS IN ROOF AND FLOORS REFER TO STRUCTURAL AND ARCHITECTUAL DRAWINGS.
6. AUTOMATIC VENTS, VALVES, ETC. THAT MUST BE SERVICED SHALL BE LOCATED IN ACCESSIBLE POSITIONS.
7. CONCRETE BASES SHALL BE 4" MINIMUM HEIGHT. LOCATION AND DIMENSIONS ARE APPROXIMATE. PROVIDE TO SUIT EQUIPMENT.
8. HEATING CONTRACTOR SHALL PROVIDE REMOVABLE PANELS AT LOCATIONS WHERE ACCESS TO VALVES, DAMPERS, FIRE DAMPERS, ETC. ARE REQUIRED.
9. ALL DUCTWORK SHALL HAVE JOINTS AND SEAMS FILLED WITH SEALANT FOR AIR TIGHT INSTALLATIONS.
10. PROVIDE SWING JOINTS AT ALL PIPING TAKE-OFFS FROM MAINS (MINIMUM OF 3 ELBOWS).
11. ALL AIR VENTS SHALL BE INSTALLED WITH COCKS SUCH THAT VENTS CAN BE REMOVED WITHOUT DRAINING SUPPLY AND RETURN MAINS.
12. PROVIDE DUCT ACCESS DOORS FOR ALL FIRE DAMPERS LOCATED IN DUCTWORK RUNS.
13. H.V.A.C. CONTRACTOR SHALL COORDINATE ALL WORK WITH PLUMBING AND ELECTRICAL CONTRACTORS.
14. H.V.A.C. CONTRACTOR SHALL INFORM G.C. AS TO THE LOCATION AND SIZE OF ALL ACCESS PANELS.
15. ALL DOOR GRILLES SHALL BE BY G.C.
16. ALL SUPPORT STEEL FOR MECHANICAL EQUIPMENT UNLESS SHOWN ON STRUCTURAL DRAWINGS SHALL BE PROVIDED BY H.V.A.C. CONTRACTOR.
17. ALL DUCT ELBOWS SHALL BE LONG RADIUS (R=1.5), OR SQUARE TYPE WITH DOUBLE THICKNESS TURNING VANES.
18. DUCT SMOKE DETECTORS INDICATED ARE TO BE PROVIDED & WIRED BY ELECTRICAL CONTRACTOR AND INSTALLED BY THIS CONTRACTOR.

Stamp

Revisions

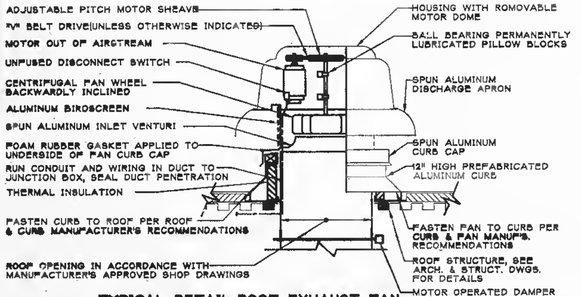
A.Anthony Tappe & Associates, Inc.
Architects and Planners
Six Edgerly Place,Boston,Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3888

GARCIA & GALUSKA, INC.
CONSULTING ENGINEERS
609 COUNTY ST., NEW BEDFORD, MA 02740-6517
508-996-3368 • FAX 508-990-7021

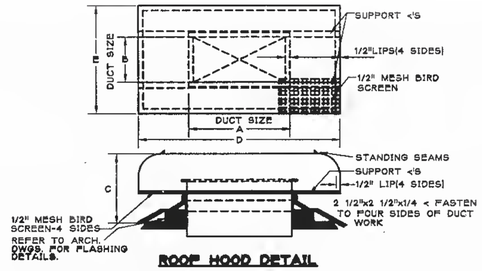
Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

Title:
Legend & Schedule Sheet

Date: 3/20/97 Drawn By: K.B.
Scale: NONE Job No.:
Sheet:
M-7

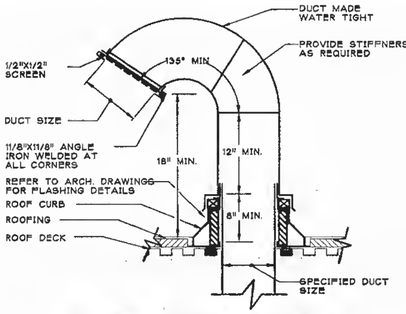


TYPICAL DETAIL-ROOF EXHAUST FAN
(NOT TO SCALE)

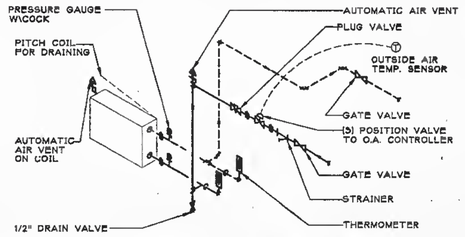


ROOF HOOD DETAIL

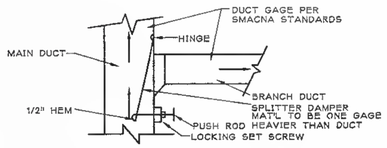
ROOF HOOD SCHEDULE								
UNIT NO.	MODEL	DIMENSION(INCHES)						AREA
		A	B	C	D	E		
RH-1	FHR	36"	24"	19"	42"	36"		6.0 S.F.
RH-2	FHR	36"	24"	19"	48"	36"		6.0 S.F.
RH-3	FHR	36"	24"	19"	48"	36"		6.0 S.F.
RH-4	FHI	48"	24"	19"	72"	48"		8.0 S.F.
RH-5	FHI	48"	24"	19"	72"	48"		8.0 S.F.
SELECTION BASED ON GREENHECK								



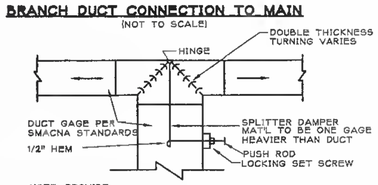
RECTANGULAR GOOSENECK DETAIL
(NOT TO SCALE)



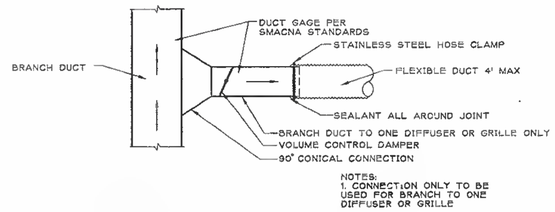
AHU HOT WATER COIL PIPING DIAGRAM W/ FACE AND BYPASS DAMPER
(NOT TO SCALE)



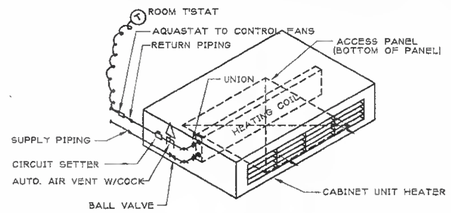
BRANCH DUCT CONNECTION TO MAIN
(NOT TO SCALE)



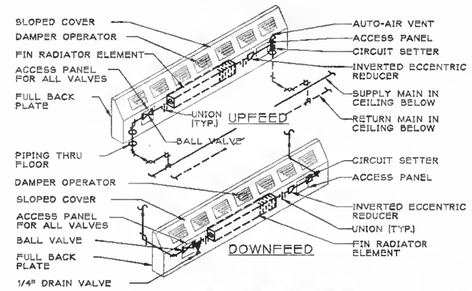
TYPICAL TEE DUCT CONNECTION
(NOT TO SCALE)



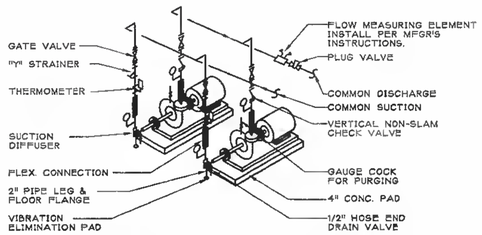
DIFFUSER/GRILLE CONNECTION TO BRANCH
(NOT TO SCALE)



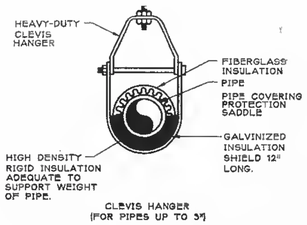
TYPICAL CABINET UNIT HEATER CEILING TYPE-PIPING DETAIL-HOT WATER
(NOT TO SCALE)



TYPICAL FIN RADIATOR PIPING DETAIL(1 TIER) HOT WATER
(NOT TO SCALE)

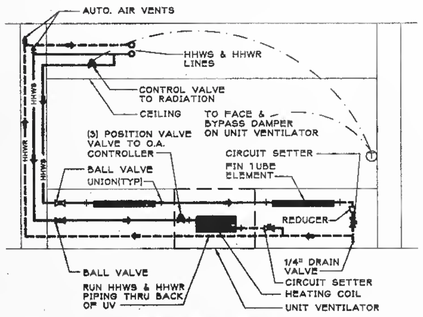


PIPING DETAILS AT WATER PUMPS
(NOT TO SCALE)

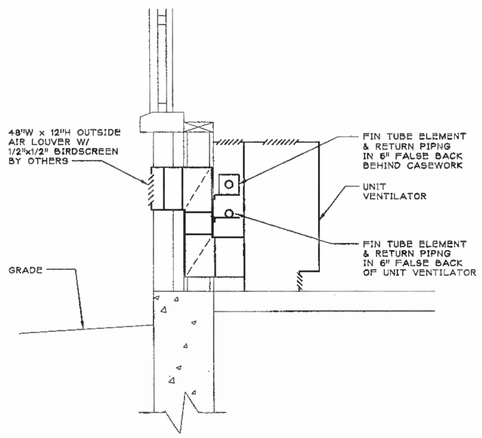


TYPICAL PIPE HANGER DETAIL

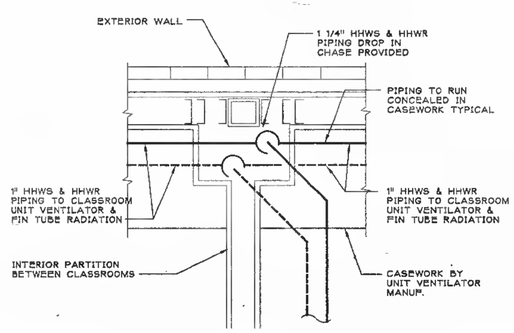
NOTE:
REFER TO SPECIFICATIONS FOR HANGER ROD SIZE & SPACING.



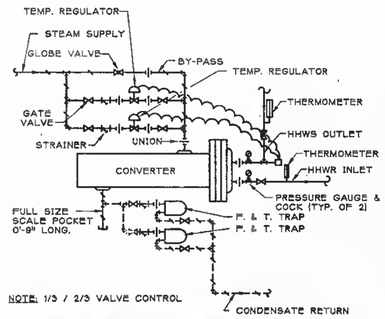
NEW ADDITION
UNIT VENTILATOR PIPING DETAIL
NO SCALE



SECTION AT NEW EXTERIOR WALL
SCALE: 1" = 1'-0"



PIPING DROP AT EXTERIOR WALL
SCALE: 1/8" = 1'-0"



TYPICAL STEAM TO WATER CONVERTER PIPING DETAIL - LOW PRESSURE STEAM
(NOT TO SCALE)

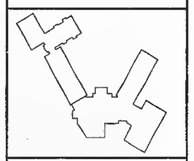
Stamp:

Revisions:

A.Anthony Tappe & Associates, Inc.
Architects and Planners
Six Edgerly Place,Boston,Massachusetts 02116
Telephone 617-451-0200 Facsimile 617-451-3809

GARCIA & CALUSKA, INC.
CONSULTING ENGINEERS
609 COUNTY ST., NEW BEDFORD,MA 02740-5517
508-996-3368 • FAX 508-990-7021

Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts



Title:
Detail Sheet

Date: 3/20/97 Drawn By: K.B.
Scale: AS NOTED Job No.:
Sheet:
M-8

LIGHTING FIXTURE SCHEDULE

ALL FIXTURES SHALL BE FURNISHED COMPLETE WITH ALL HARDWARE, LAMPS, HANGERS, FITTING, ETC., FOR A COMPLETE AND PROPER INSTALLATION.

TYPE	MANUFACTURER	CATALOG NO.	MTG.	VOLTAGE	LAMPS No.	LAMPS WATTAGE	LAMPS TYPE	REMARKS	
A	METALUX	2PCGAX332W SHP-EBR2-120	R	120	3	32	F32T8/35K	2'x4' PROVIDE WHITE 18 CELL PARABOLIC BAFFLE	①
A1	METALUX	2PCGAX2U6W-33P-120-EBR1	R	120	2	31	FB031/U6-T8-35K	2'x2' PROVIDE WHITE 9 CELL PARABOLIC BAFFLE	②
A2	METALUX	2GS2U6T8-125-120-EB61	R	120	2	31	FB031/U6-T8-35K	2'x2' PROVIDE WHITE 9 ACR W/.125" THICK LENS	
FC4	LITECONTROL	85N24T8/120	R	120	2	32	F32T8/35K	4' PROVIDE W/ ACRYLIC LENS, WALL WASH	②
FC8	LITECONTROL	85N48T8/120	R	120	4	32	F32T8/35K	8' PROVIDE W/ACRYLIC LENS, WALL WASH	②
FC8	LITECONTROL	85N46T8/120	R	120	4	25	F25T8/35K	8' PROVIDE W/ACRYLIC LENS, WALL WASH	②
G	HOLOPHANE	PRSL-400MH27-PD E40-OD	P	120	1	400	MH	PROVIDE WITH GLASS BOTTOM LENS & WIRE GUARD	
G1	HOLOPHANE	PRSL-400MH27-PD E40-OD-ER	P	120	1	400	MH	SAME AS ABOVE W/QUARTZ RESTRIKE	
H	HOLOPHANE	EGK-175MH-12-P-S40	P	120	1	175	MH		②
H1	HOLOPHANE	EGK-175MH-12-P-S40-EM	P	120	1	175	MH	SAME AS ABOVE W/QUARTZ RESTRIKE	
J	HUBBELL	VWXL11GC	W	120	1	100	A19	VAPORTIGHT, INCAND.	
K	METALUX	2GNPF332A125/277-EB62-G	R	120	3	32	F32T8/35K	2'x4' KITCHEN	②
K2	NOT TO USED								
P1	LITECONTROL	P12940BX39-120	P	120	4	39	CF39	FINISH BY ARCH.	
P4	LITECONTROL	P-S/D-68N24T8-BW-CWM-120	P	120	2	32	F32T8/35K	4' SEMI- DIRECT FLUOR	
RC1	HALO	H7886HPF/120-9870C	R	120	2	18	F18DTT	7" DOWNLIGHTS CLEAR ALZAK	
SL-1	BEGA	2989P	W	120	2	13	PL	WALL	③
SL-2	BEGA	3076P	S	120	2	26	26W PLC	AT CANOPY	
SL-3	HUBBELL	MHL-250-WK-L-PLT-6-PKR-BLK-208	S	208	1	250	MH	EXTERIOR WALL	
EX-1	LITHONIA	F2RES-W-1R-120	S	120	2	5	F5TT	EXIT SIGN SINGLE FACE	
EX-2	LITHONIA	F2RES-W-2R-120	S	120	2	5	F5TT	EXIT SIGN DOUBLE FACE	
W4	METALUX	CRP232A-120-EB81	S	120	2	32	F32T8/35K	STORAGE, CLOSETS	②

LIGHTING FIXTURE SCHEDULE NOTES:

① PROVIDE WITH ELECTRONIC BALLAST. REFER TO FLOOR PLANS FOR MASTER/SLAVE COMBINATIONS. REFER TO SPECIFICATIONS FOR ENERGY REBATE PROGRAM REQUIREMENTS.

② PROVIDE WITH ELECTRONIC BALLAST. REFER TO SPECIFICATIONS FOR ENERGY REBATE PROGRAM REQUIREMENTS.

③ PROVIDE EMERGENCY OPTION WHERE SHOWN ON PLANS.

LIGHTING FIXTURE SCHEDULE GENERAL NOTES:

1. REFER TO SPEC FOR LIGHTING FIXTURES INSTALLATION AND SUPPORT.
2. RECESSED FLOURESCENT FIXTURES SHALL BE SUPPORTED BY ROD OR BOW-CHAIN, MINIMUM OF TWO (2) SUPPORTS PER 4-FEET OF FIXTURE.
3. THE MINIMUM NUMBER OF SUPPORTS FOR SURFACE MOUNTED FLOURESCENT OR SUSPENDED FLOURESCENT FIXTURES SHALL EQUAL ONE FOR EACH 4-FEET OF LENGTH PLUS ONE ADDITIONAL SUPPORT; 12-FEET FOUR (4) SUPPORTS; 8-FEET THREE (3) SUPPORTS; ADDITIONAL SUPPORTS SHALL BE BOLTED TYPE, ANCHORS AND INSERTS SHALL BE INSTALLED AS AN INTEGRAL PART OF STRUCTURAL SYSTEM.
4. COORDINATE MOUNTING OF PERIMETER FIXTURES AND COVE FIXTURES WITH GENERAL CONTRACTOR PRIOR TO ROUGHING-IN. COORDINATE EXACT DIMENSIONS OF FIXTURES TO ASSURE PROPER CLEARANCES REQUIRED.
5. POSSIBLY ACCEPTABLE ALTERNATE MANUFACTURERS: (IN ADDITION TO THOSE SCHEDULED):
   a. LITHONIA
   b. DAYBRITE
   c. COLUMBIA
   d. LIGHTOLIER
   e. GARDCO
   f. HUBBELL

LIGHTING FIXTURE SCHEDULE ABBREVIATIONS

P	PENDANT MOUNTED
W	WALL MOUNTED
C	COVE MOUNTED
R	RECESSED MOUNTED
S	SURFACE MOUNTED

SYMBOL LIST

LIGHTING FIXTURES

(REFER TO SCHEDULE FOR TYPE AND MOUNTING)

- FLUORESCENT LIGHT FIXTURE.
- FIXTURE ON "CONSTANT – ON" EMERGENCY LITE CIRCUIT.
- EXIT SIGN – CEILING MOUNTED SINGLE FACE, "EXI" OR "EX2" = DOUBLE FACE. PROVIDE WITH ARROWS AS INDICATED ON FLOOR
- INCANDESCENT, FLOURESCENT OR H.I.D. LIGHT FIXTURE.
- WALL MOUNTED FIXTURE
- A_1–2 / 32 — FIXTURE KEYING SYSTEM
  A_1 = FIXTURE TYPE
  –2= QUANTITY PER ROW
  32= CIRCUIT #
  b= SWITCH CONTROL
- (M) (O) — MASTER/SLAVE FIXTURE ARRANGEMENT–MASTER FIXTURE HAS 1–4 LAMP BALLAST. SLAVE FIXTURE HAS 1–2 LAMP BALLAST– CONNECT WITH FIXTURE WHIP CONTAINING TWO POWER, ONE GROUND AND FOUR BALLAST CONDUCTORS. BOTH BALLASTS MAY ALSO BE LOCATED WITHIN MASTER FIXTURE.

SWITCHES (TYPICALLY MTD 48" AFF – U.N.O.)

S	SINGLE POLE SWITCH.
S3	THREE–WAY SWITCH.
SP	SINGLE POLE SWITCH AND PILOT LIGHT.
S4	FOUR–WAY SWITCH.
SD	DIMMER SWITCH ROTARY TYPE – 600 WATTS U.N.O.
SK	KEY SWITCH
SW	LOW VOLTAGE SWITCH

WIRE AND RACEWAYS

- WIRING AND RACEWAY – NO. OF DIAGONAL LINES INDICATES NO. #12 AWG., ABSENCE OF LINES INDICATES 2 #12 AWG + #12AWG GND. UNLESS NOTED OTHERWISE. GROUNDING TYPICALLY NOT SHOWN ON MULTI–CIRCUIT HOMERUNS BUT SHALL BE PROVIDED.
- HOMERUN TO PANEL – NO. OF ARROWS INDICATES NO. OF 20 AMP/1 POLE CIRCUITS TO PANEL – UNLESS NOTED OTHERWISE.
- NE — NORMAL–EMERGENCY WIRING – MIN 2#10 AWG TO RUN IN SEPARATE 3/4" CONDUIT.

ABBREVIATIONS

A.	– AMP, AMPS
A.F.F.	– ABOVE FINISHED FLOOR
A.T.C.	– AUTO–TEMP CONTROL CONTRACTOR
A.H.U	– AIR HANDLING UNIT, COORDINATE OVERCURRENT DEVICE AND WIRE SIZES WITH MECHANICAL EQUIPMENT NAMEPLATE DATA.
ARCH.	– ARCHITECT
C.U.	– CONDENSING UNIT, COORDINATE OVERCURRENT DEVICE AND WIRE.
℄	– CENTERLINE
COORD.	– COORDINATE
CLG.	– CEILING
CKT.	– CIRCUIT
E.B.B.	– ELECTRIC BASEBOARD HEATER, COORDINATE OVERCURRENT DEVICE AND WIRE SIZES W/ MECHANICAL EQUIPMENT NAMEPLATE DATA.
EMP.	– EMPTY CONDUIT, FURNISH AND INSTALL PULL WIRE.
E.C.	– ELECTRICAL CONTRACTOR
E.W.H.	– ELECTRIC WATER HEATER, COORDINATE OVERCURRENT DEVICE AND WIRE SIZE W/ MECHANICAL EQUIPMENT NAME–PLACE DATA.
E.F.	– EXHAUST FAN, COORDINATE OVERCURRENT DEVICE AND WIRE SIZES WITH MECHANICAL EQUIPMENT NAMEPLATE DATA.
E.W.C.	– ELECTRIC WATER COOLER
EX, EXIST.	– EXISTING
F&I	– FURNISHED AND INSTALLED
F.P.C.	– FIRE PROTECTION CONTRACTOR
G.C.	– GENERAL CONTRACTOR
H.V.A.C.	– HEATING, VENTILATION, AND AIR CONDITIONING CONTRACTOR
M.H.	– MOUNTING HEIGHT
N.L.	– NIGHT LIGHT
NO.	– NUMBER
P.	– POLE, POLES
P.C.	– POWER CONTRACTOR
PH.	– PHASE
PNL.	– PANEL
R.T.U.	– ROOF TOP UNIT, COORDINATE OVERCURRENT DEVICE AND WIRE SIZES WITH MECHANICAL EQUIPMENT NAMEPLATE DATA.
V.A.V.	– VARIABLE AIR VOLUME BOX
W/	– WITH
W.H.	– WATER HEATER, COORDINATE OVERCURRENT DEVICE AND WIRE SIZES WITH MECHANICAL EQUIPMENT NAMEPLATE DATA.
W.P.	– WEATHERPROOF TO SUIT INTENDED USAGE.
U.N.O.	– UNLESS NOTED OTHERWISE
XFMR	– TRANSFORMER

FIRE ALARM SYSTEM (ADDRESSABLE)

- F — MANUAL PULL STATION – MTD 48" AFF TO CENTERLINE
- F — AUDIO/VISUAL SIGNAL – MTD 80" AFF TO CENTERLINE SHALL ALSO MEET ADA REQUIREMENTS
- S — CEILING MOUNTED PHOTOELECTRONIC SMOKE DETECTOR
- S DC — SMOKE DETECTOR USED FOR ELEVATOR RECALL
- SR — DUCT SMOKE DETECTOR WITH SAMPLING TUBE. FURN. BY E.C. INST. BY HVAC, WIRED BY E.C.
- H 200° — THERMAL DETECTOR – 200°F FIXED TEMPERATURE
- REMOTE ALARM INDICATOR
- RTS — KEY OPERATED REMOTE TEST STATION WITH LED.
- DH — DOOR HOLDER, FURNISHED BY DOOR MANUFACTURER POWER WIRING & CONNECTION TO FIRE ALARM SYSTEM BY E.C.
- FACP — FIRE ALARM CONTROL PANEL
- F — VISUAL SIGNAL ONLY – MTD. 80" A.F.F. TO CENTER LINE. SHALL ALSO MEET ADA REQUIREMENT.
- K — KNOX BOX
- ANN — ANNUNCIATOR – TYPE AS SHOWN ON FLOOR PLAN.
- FIRE ALARM MASTER BOX

LOW TENSION EQUIPMENT

- WALL MOUNTED TELEPHONE OUTLET @ 18" A.F.F WITH 3/4" CONDUIT SLEEVE TURNED OUT ABOVE NEAREST ACCESSIBLE HUNG CEILING. PROVIDE PULLWIRE. "W" INDICATES 48" A.F.F. (FURNISHED AND INSTALLED BY I.T.S. CONTRACTOR)
- PUBLIC TELEPHONE OUTLET. SAME DETAILS AS REGULAR TELEPHONE OUTLET BUT MTD. @ 48"A.F.F.
- CLASSROOM TELEPHONE OUTLET – SAME DETAILS AS OTHER TELEPHONES
- WALL MOUNTED DATA OUTLET @ 18" A.F.F WITH 3/4" CONDUIT TURNED OUT ABOVE NEAREST ACCESSIBLE HUNG CEILING. PROVIDE PULLWIRE. (DATA WIRING BY I.T.S. CONTRACTOR)
- SAME AS ABOVE: EXCEPT WITH DUPLEX DATA JACKS (DATA WIRING BY I.T.S. CONTRACTOR). NUMERAL INDICATES NUMBER OF DATA JACKS.
- EPO — "EMERGENCY POWER OFF" PUSH BUTTON STATION. EQUAL TO SQ"D" #KR–1R OPERATOR WITH KA–2 CONTACT BLOCK WITH K–85 ALTERNATE ACTION MODULE WITH K–60 PLASTIC GUARD. (MAINTAINED).
- THERMOSTAT BY H.V.A.C. UNLESS NOTED OTHERWISE
- TV TV — T.V. OUTLET PLUS 120VOLT DUPLEX – 1 SET @ 18" AND 1 SET @ 80"

EXISTING EQUIPMENT

X	EXISTING EQUIPMENT TO BE REMOVED AND CIRCUIT PULLED BACK TO NEXT ACTIVE OUTLET/BACK TO PANEL.
XM	EXISTING EQUIPMENT TO REMAIN.
XR	EXISTING EQUIPMENT TO BE REMOVED AND RELOCATED.
XL	NEW LOCATION OF RELOCATED EXISTING EQUIPMENT.
XN	EXISTING EQUIPMENT TO BE REMOVED AND NEW EQUIPMENT TO BE INSTALLED IN SAME LOCATION.

MISCELLANEOUS

- M — WALL MOUNTED MICROPHONE OUTLET (WIRING BY I.T.S. CONTRACTOR)
- TV — CATV (SEE SPEC'S) DOUBLE GANG JB WITH PLASTER RING AND 3/4"C TO NEAREST ACCESSIBLE HUNG CEILING (WIRING BY I.T.S. CONTRACTOR)
- S — FLUSH MOUNTED CEILING SPEAKER (FURNISHED AND INSTALLED BY I.T.S. CONTRACTOR)
- AMP — SOUND SYSTEM AMPLIFIER (FURNISHED AND INSTALLED BY I.T.S. CONTRACTOR)
- S — CLASSROOM CLOCK SPEAKER UNIT. (FURNISHED AND INSTALLED BY I.T.S. CONTRACTOR)
- OS — CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR
- OSR — ABOVE CEILING MOUNTED OCCUPANCY SENSOR SWITCH PACK RELAY
- WP S — BULL HORN TYPE SPEAKER – WEATHERPROOF. F&I BY I.T.S..
- MO — FLOOR MOUNTED MICROPHONE OUTLET (WIRING BY I.T.S. CONTRACTOR)
- SECURITY SYSTEM MOTION/INFRARED DETECTOR (CEILING MTG.).
- DS — SECURITY SYSTEM DOOR SWITCH.

MECHANICAL EQUIPMENT

- J — JUNCTION BOX – SIZE AS REQUIRED.
- J — JUNCTION BOX – WITH FLEXIBLE CONNECTION TO EQUIPMENT.
- 2 — MOTOR – NUMERAL INDICATES HORSEPOWER
- SAFETY DISCONNECT SWITCH; NON–FUSED, (N.F.S.S.) SIZE & TYPE PER NEC. MOUNT ON OR ADJACENT TO EQUIPMENT. INSTALL PER EQUIP. INSTALLATION REQUIREMENTS & NEC. '3R' INDICATES NEMA 3R ENCLOSURE FOR EXTERIOR EQUIPMENT INSTALLATION.
- SAFETY DISCONNECT SWITCH; FUSED, (F.S.S.) SIZE & TYPE PER NEC. MOUNT ON OR ADJACENT TO EQUIPMENT. INSTALL PER EQUIP. INSTALLATION REQUIREMENTS & NEC. '3R' INDICATES NEMA 3R ENCLOSURE FOR EXTERIOR EQUIPMENT INSTALLATION.
- MOTOR STARTER, FURNISHED BY ELECTRICAL CONTACTOR, INSTALLED BY ELECTRICAL CONTRACTOR, UNLESS NOTED OTHERWISE.
- TS — MOTOR SWITCH, FRACTIONAL HORSEPOWER MANUAL STARTER W/THERMAL OVERLOAD PROTECTION AND PILOT LIGHT.
- CH — CABINET HEATER – F & I BY HVAC, WIRED BY E.C.
- UH — UNIT HEATER – F & I BY HVAC, WIRED BY E.C.
- EF F — EXHAUST FAN – F & I BY HVAC, WIRED BY E.C.

POWER

- 120/208 VOLT, 3 PHASE, 4 WIRE PANELBOARD.

RECEPTACLES (MOUNTED 18" A.F.F. TO ℄ – U.N.O.)

- C — DUPLEX RECPTACLE 1ø, 125V, 20A NEMA 5–20R, GROUNDING TYPE MDT. 18" A.F.F. "C" INDICATES MDT. 46" A.F.F. OR ABOVE COUNTER, U.N.O.
- C — DOUBLE DUPLEX (QUAD) RECEPTACLE, 1ø, 125V, 20A, NEMA 5–20R GROUNDING TYPE, MTD. 18" A.F.F. "C" INDICATES MDT. 46" A.F.F. OR ABOVE COUNTER, U.N.O.
- GFC WP — DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTING (GFC), 1ø, 120V, 20A, NEMA 5–20R, FEED THRU TYPE, MTD. 18" A.F.F. "C" INDICATES MTD. 46" A.F.F. OR ABOVE COUNTER; "WP" INDICATES GFCI W/ WEATHER PROOF COVER, MTD. 18" A.F.F., U.N.O.
- CP — DUPLEX RECEPTACLE 1ø, 125V, 20A NEMA 5–20R, GROUNDING TYPE EQUAL TO HBLSG63H MTD. 18" A.F.F. "CP" INDICATES TAMPER RESISTANT WITH WIRE LEADS.
- R — SPECIAL PURPOSE OUTLET – RATING AS INDICATED ON DRAWING. "R" INDICATES RANGE OUTLET, "D" INDICATES DRYER OUTLET. PROVIDE NEMA CONFIGURATION TO MATCH EQUIP.
- EWC — ELECTRIC WATER COOLER OUTLET – 20 AMP, 120 VOLT.
- WIREMOLD – G4000 WITH DIVIDER – U.N.O.
- FLUSH FLOOR OUTLET–WITH DATA & POWER COMPARTMENT (PROVIDE SEPERATE COMPARTMENTS OUTLETS FOR DATA & POWER)
- FLUSH FLOOR OUTLET–WITH TEL, DATA & POWER COMPARTMENT

Stamp: 3-17-97 COPYRIGHT BY GEORGE W. JOHNSON ELECTRICAL No. 32116 COMMONWEALTH OF MASSACHUSETTS

Revisions:

ANTHONY TAPPE AND ASSOCIATES, INC.
Architects and Planners
Six Edgerly Place – Boston, Massachusetts 02116
tel: (617) 451-0200 – fax: (617) 451-3099

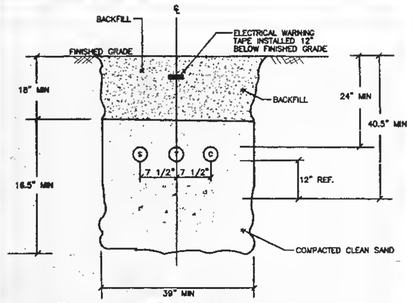
Additions and Alterations to the Pine Hill School
Sherborn, Massachusetts

Title: Legend & Detail

Date: 3/17/97 Drawn By:
Scale: NONE Job No.: 4528

Sheet: E1.1

JOHNSON & STOVER Electrical/Mechanical Engineers
1236 Park Street Stoughton, MA 02072
tel: 617.341.0000 fax: 617.341.0003
e-mail: jsae1256@aol.com



5/E2 DUCT BANK SECTION "A-A"

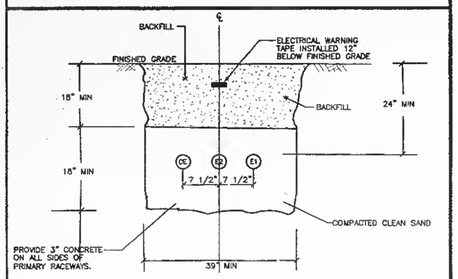
-NTS-

(C) 4" CATV - SCHED 40 PVC

(S) 4" SPARE - SCHED 40 PVC

(T) 4" TELEPHONE - SCHED 40 PVC

NOTE: ALL TRENCHING AND BACKFILL BY G.C.



3/E2 DUCT BANK SECTION "B-B"

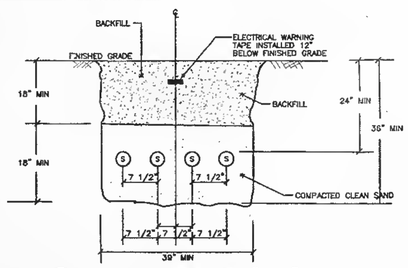
-NTS-

(CE) CONTROL/EMERGENCY-SCHED 40 PVC - 2"C.

(E1) ATS#1-SCHED 40 PVC - 4"C.

(E2) ATS #2 - 2"C.

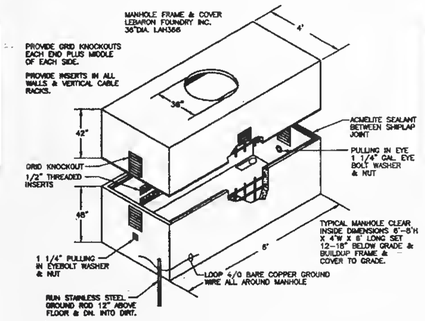
NOTE: ALL TRENCHING AND BACKFILL BY G.C.



2/E2 DUCT BANK SECTION "C-C"

-NTS-

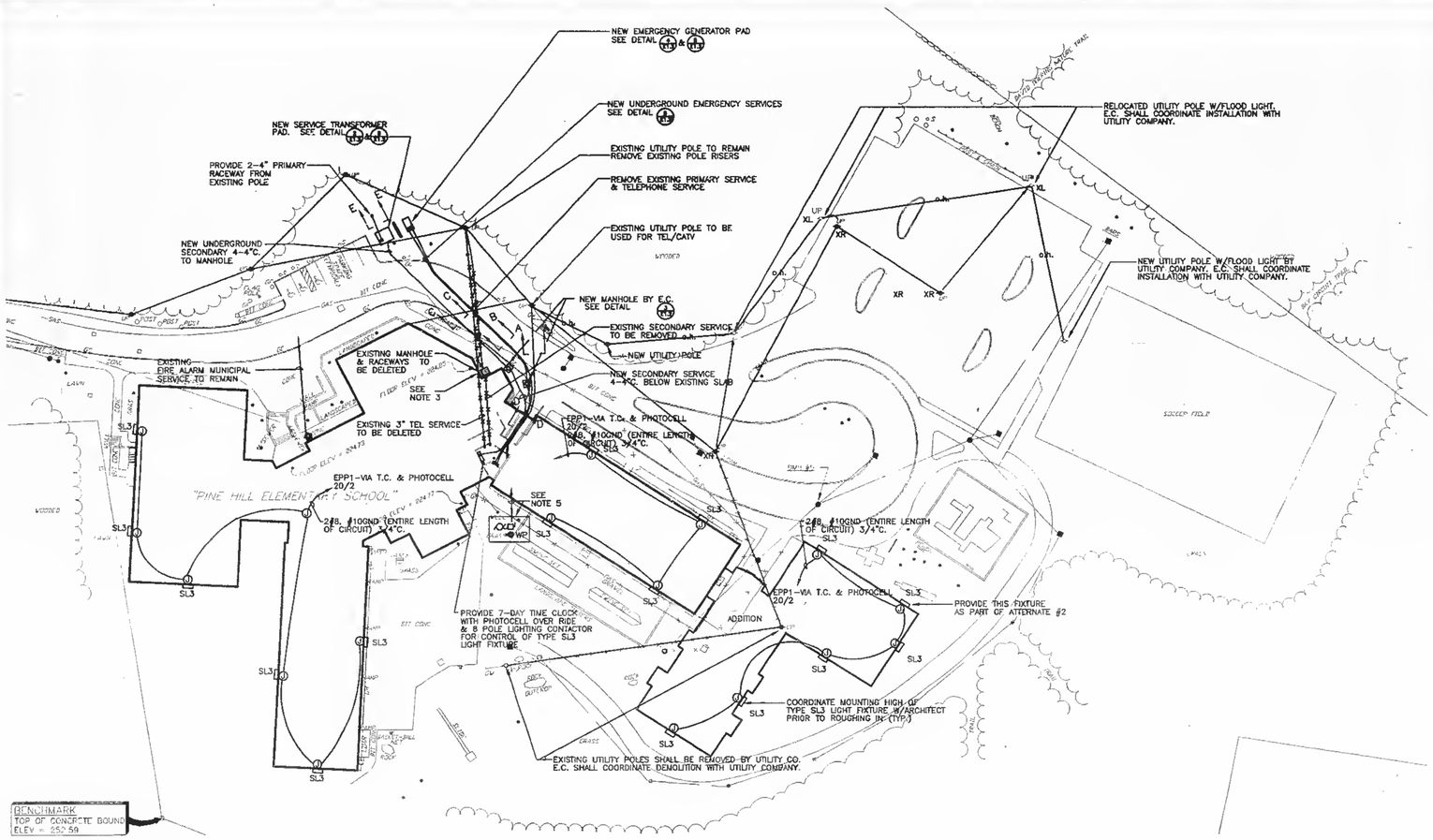
(S) 4" SECOND. ELEC - SCHED 40 PVC



3/E1.2 TYPICAL MANHOLE

-N.T.S.-

NOTE:
1. ALL CABLES ENTERING MANHOLES ARE TO MAKE A COMPLETE LOOP AROUND INTERIOR PRIOR TO EXITING.
2. ALL MANHOLES TO HAVE CONNECTORS TO DRAINAGE SYSTEM BY G.C.
3. VERIFY ALL DIMENSIONS WITH UTILITY CO. PRIOR TO PURCHASE.
4. MANHOLE SHALL BE H-20 WHEEL LOADING.
5. E.C. SHALL PROVIDE ALL ELECTRIC MANHOLES

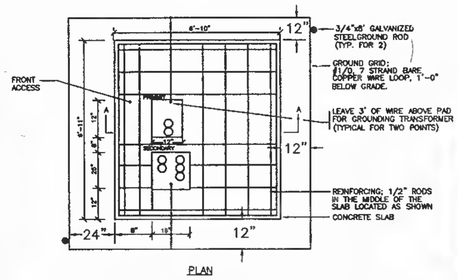


1/E1.2 ELECTRICAL SITE PLAN

SCALE: 1"=40'-0"

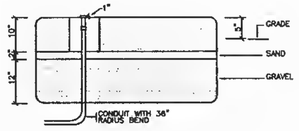
GENERAL NOTES:

1. DO NOT RUN ANY CONDUIT BELOW OR NEAR NEW TREE PLANTS. ROUTE CONDUITS AWAY FROM PLANTING TO MINIMIZE INTERFERENCE WITH PLANTING WORK
2. REFER TO SITE PLAN C-1 FOR ADDITIONAL SITE INFORMATION.
3. EXISTING TRANSFORMER VAULT SHALL BE BACKFILLED BY G.C. E.C. SHALL COORDINATE REMOVAL OF EXISTING TRANSFORMER WITH UTILITY CO. REMOVE EXISTING PRIMARY & SECONDARY CABLES AS REQUIRED.
4. COORDINATE ALL UTILITY POLE WORK WITH UTILITY COMPANY PRIOR TO ANY INSTALLATION OF RACEWAYS.
5. RECONNECT EXISTING WELL PUMP 7 1/2HP IN MAIN ELECTRIC ROOM TO EPP-1 50/3 CKT 7 WITH 4#8 & #10GND
6. REMOVE EXISTING BLDG MOUNTED FLOOD LIGHT ON BUILDING. THERE FIXTURES ARE NOT SHOWN ON PLAN G.C. SHALL PATCH EXISTING WALL SURFACE TO MATCH EXISTING.



PLAN

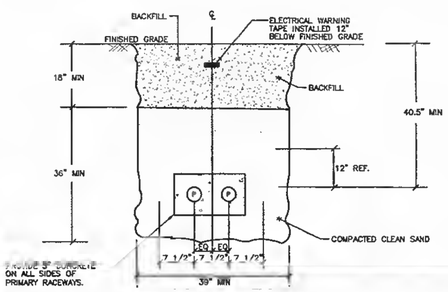
NOTE: E.C. SHALL VERIFY ALL DIMENSIONS WITH UTILITY CO. PRIOR TO INSTALLATION.



SECTION A-A

2/E1.2 PADMOUNT TRANSFORMER FOUNDATION DETAIL

-NTS-



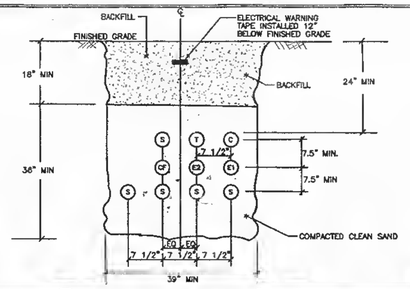
PROVIDE 3" CONCRETE ON ALL SIDES OF PRIMARY RACEWAYS.

2/E2 DUCT BANK SECTION "E-E"

-NTS-

(P) 4" PRIM. ELEC. - SCHED 40 PVC

NOTE: ALL TRENCHING AND BACKFILL BY G.C.



2/E2 DUCT BANK SECTION "D-D"

-NTS-

(C) 4" CATV - SCHED 40 PVC

(S) 4" SPARE - SCHED 40 PVC

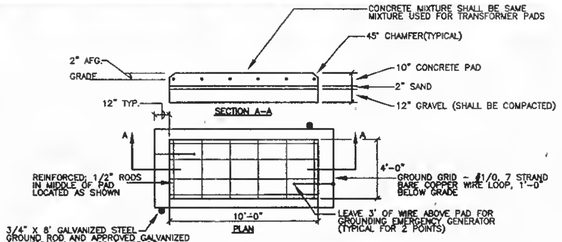
(T) 4" TELEPHONE - SCHED 40 PVC

(P) 4" PRIM. ELEC. - SCHED 40 PVC

(CE) CONTROL/EMERGENCY-SCHED 40 PVC

(E1) 3" ATS#1-SCHED 40 PVC

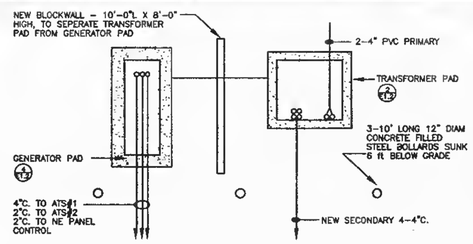
(E2) 24 ATS #2



PLAN

4/E1.2 EMERGENCY GENERATOR PAD DETAIL

-N.T.S.-



5/E1.2 NEW UNDERGROUND NE SERVICE

-N.T.S.-

JOHNSON & TOVER
Electrical/Mechanical Engineers
1256 Park Street
Stoughton, MA 02072
tel:617.341.0000
fax:617.341.0063
e-mail: jnt1256@aol.com

Stamp: 3-17-97

Revisions:

ANTHONY TAPPE AND ASSOCIATES, INC.
Architects and Planners
Six Edgerly Place - Boston, Massachusetts 02116
tel: (617) 451-0200 - fax: (617) 451-3899

Additions and Alterations to the

Pine Hill School

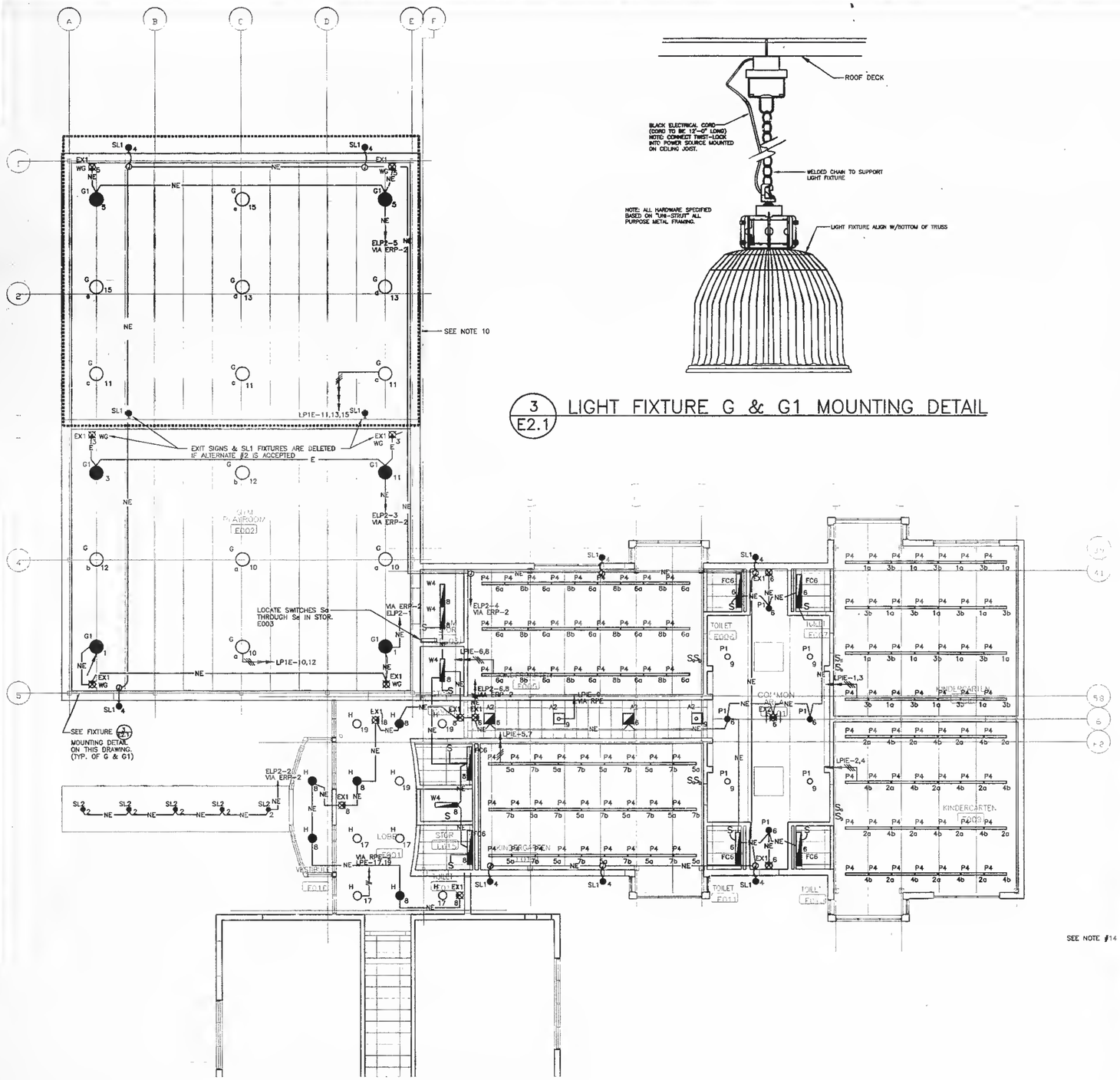
Sherborn, Massachusetts

Title: SITE PLAN

Date: 3/17/97 Drawn By:

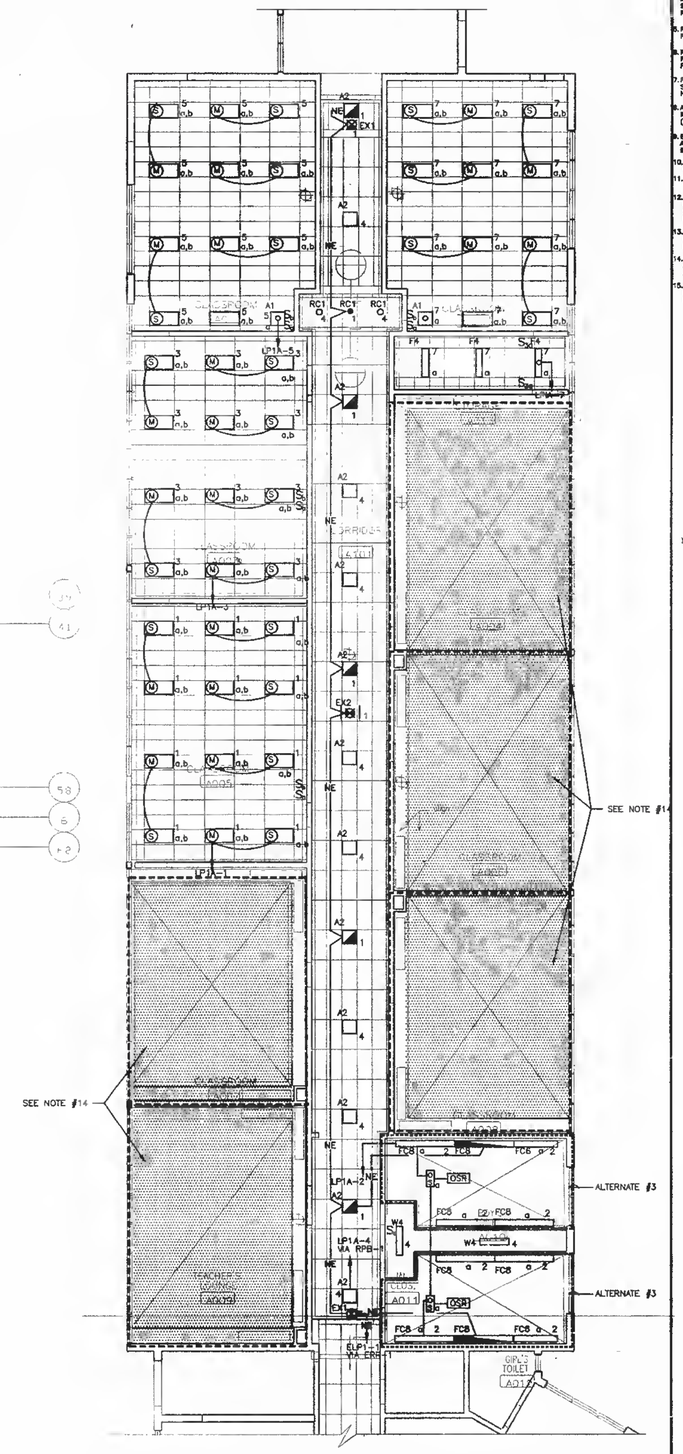
Scale: Job No.: 4528

Sheet: E1.2



1 E2.1 BLOCK 'E' LIGHTING PLAN

3 E2.1 LIGHT FIXTURE G & G1 MOUNTING DETAIL



2 E2.1 BLOCK 'A' LIGHTING PLAN

GENERAL NOTES:

1. WIRING IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
2. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS.
3. ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT & NOT SHOWN IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.
4. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE MC 98% CONDUCTIVITY COPPER MINIMUM #12 AWG SIZE, THSN/THWN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED.
5. REFER TO POWER PLANS FOR LOCATION OF ALL PANELLBOARDS.
6. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF LIGHTING FIXTURES.
7. PROVIDE SEPARATE SWITCH BOXES FOR EACH SWITCH IN ROOM WITH BOTH EMERGENCY AND NORMAL POWER SWITCHES.
8. ALL WIRING IN UNFINISHED SPACES SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT).
9. EXIT SIGNS SHALL BE CONNECTED PRIOR TO ANY SWITCHING DEVICES. EXIT SIGNS SHALL BE CONTINUOUSLY ILLUMINATED.
10. LIGHTING SHOWN IN THIS AREA SHALL BE PART OF ADD ALTERNATE #6
11. UNLESS OTHERWISE NOTED ALL LIGHTING FIXTURES SHALL BE TYPE 'A'
12. COORDINATE ALL ROUTING OF CONDUITS FOR INSTALLATION IN EXPOSED CEILINGS REFER TO SPECIFICATIONS FOR CONDUIT INSTALLATION REQUIREMENTS
13. ALL BRANCH CIRCUITS IN BLOCK 'E' SHALL BE FED FROM PANEL 'LPIE' UNLESS OTHERWISE NOTED.
14. EXISTING LIGHTING TO REMAIN. MAINTAIN WIRING AT ALL TIMES. PROVIDE NEW EMERGENCY LIGHTING AS SHOWN.
15. ALL BRANCH CIRCUITS IN BLOCK 'A' SHALL BE FED FROM PANEL 'LPIA' UNLESS OTHERWISE NOTED.

Stamp: 3-17-97 JOHNSON ELECTRICAL No. 38164 REGISTERED PROFESSIONAL ENGINEER

Revisions:

ANTHONY TAPPE AND ASSOCIATES, INC.
Architects and Planners
Six Edgerly Place - Boston, Massachusetts 02116
tel: (617) 451-0200 - fax: (617) 451-3909

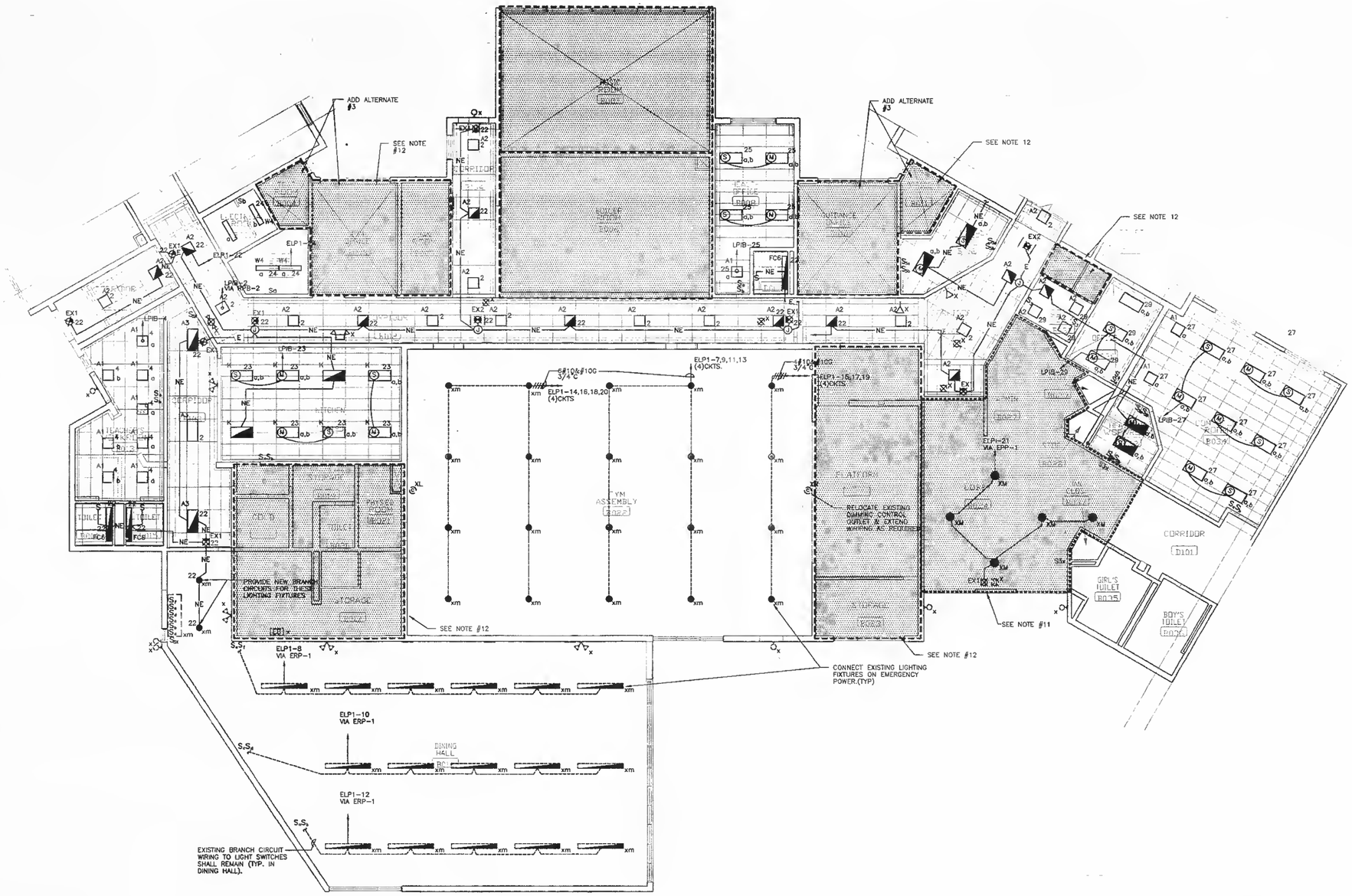
Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

Title: Block "A"&"E" Lighting Plan

Date: 3/17/97 Drawn By:
Scale: 1/8"=1'-0" Job No.: 4528

Sheet: E2.1

JOHNSON & WEBER
Electrical/Mechanical Engineers
1256 Park Street
Stoughton, MA 02072
tel: 617.341.0006
fax: 617.341.0063
e-mail: jwel2@aol.com



2 / E2.2 BLOCK 'B' LIGHTING PLAN

GENERAL NOTES:

1. WIRING IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
2. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS.
3. ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED
4. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE MC WITH CONDUCTIVITY COPPER MINIMUM #12 AWG SIZE, THWN/THHN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED.
5. REFER TO POWER PLANS FOR LOCATION OF ALL PANELBOARDS.
6. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF LIGHTING FIXTURES.
7. PROVIDE SEPARATE SWITCH BOXES FOR EACH SWITCH IN ROOM WITH BOTH EMERGENCY AND NORMAL POWER SWITCHES.
8. ALL WIRING IN UNFINISHED SPACES SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT).
9. EXIT SIGNS SHALL BE CONNECTED PRIOR TO ANY SWITCHING DEVICES. EXIT SIGNS SHALL BE CONTINUOUSLY ILLUMINATED.
10. ALL LIGHT FIXTURES ARE TYPE "A" UNLESS OTHERWISE NOTED.
11. DO NOT RUN ANY EXPOSED CIRCUITS IN THIS AREA. ALL WIRING SHALL BE RUN CONCEALED VERIFY INSTALLATION WITH ARCHITECT PRIOR TO ROUGHING IN.
12. EXISTING LIGHTING TO REMAIN. MAINTAIN WIRING AT ALL TIMES.

Stamp: 34797

Revisions:

ANTHONY TAPPE AND ASSOCIATES, INC.
Architects and Planners
Six Edgerly Place - Boston, Massachusetts 02116
tel: (617) 451-0200 - fax: (617) 451-3899

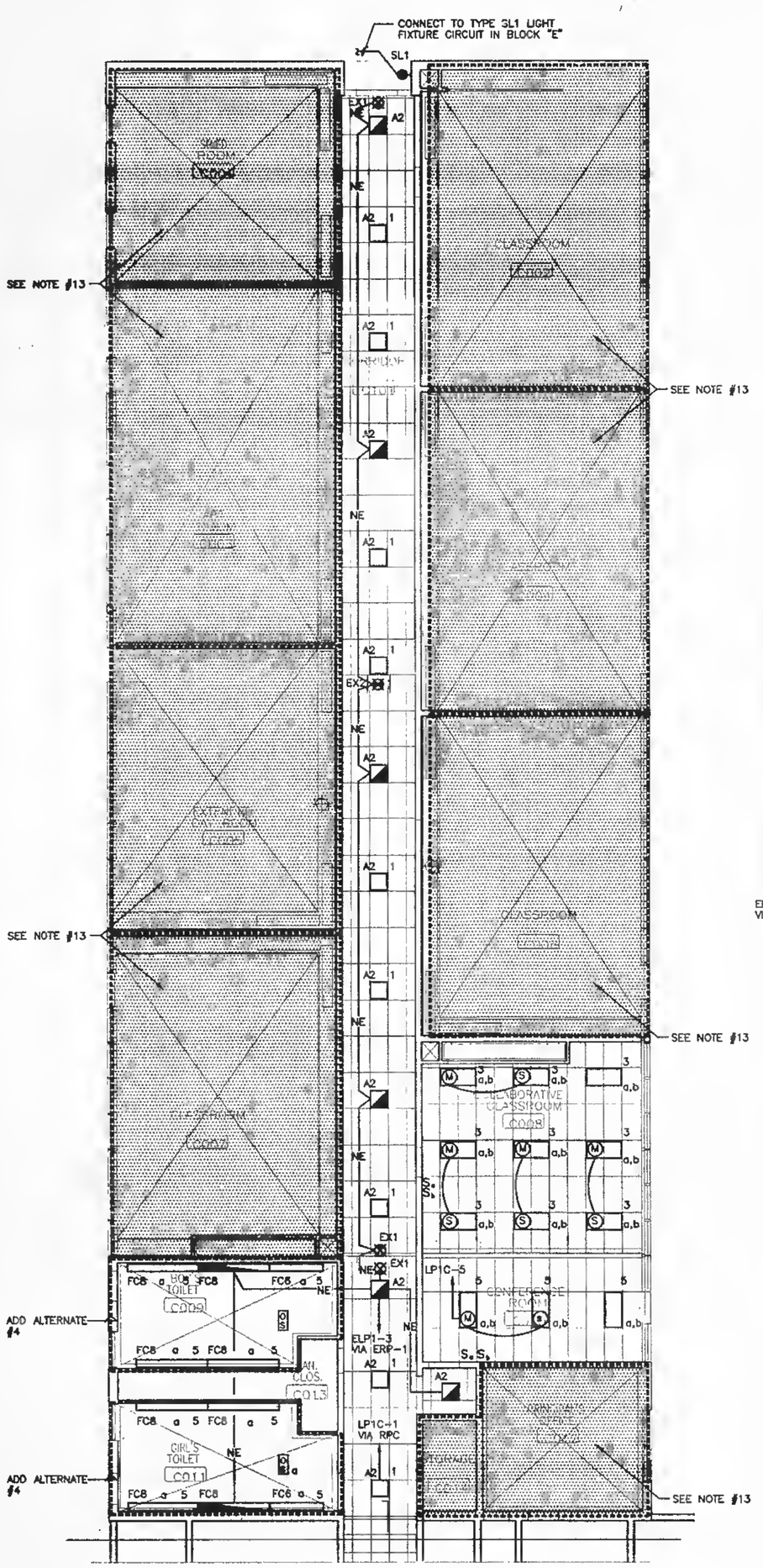
Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

Title:
Block"B" Lighting Plan

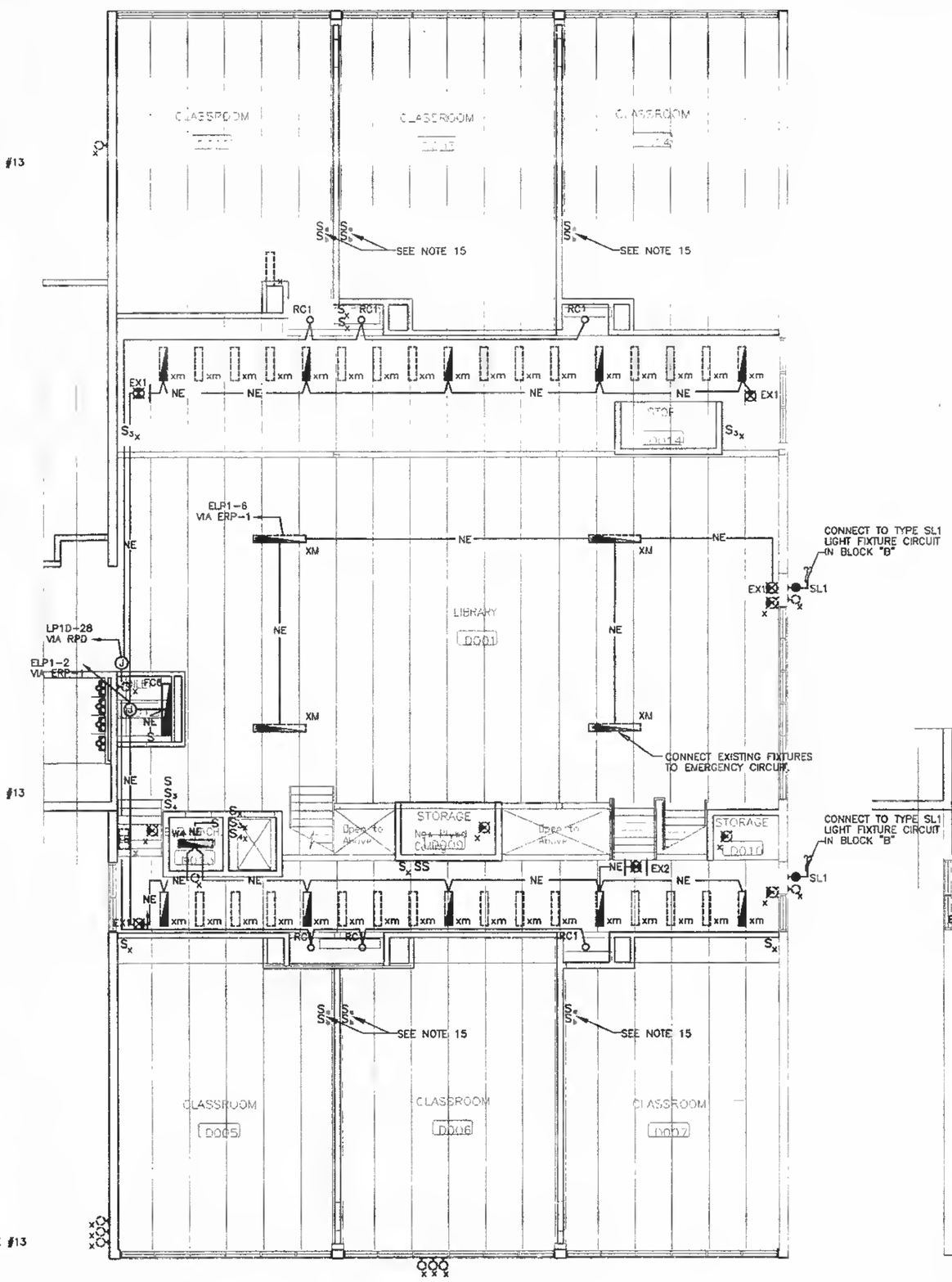
Date: 3/17/97 Drawn By:
Scale: 1/8"=1'-0" Job No.: 4528

Sheet: E2.2

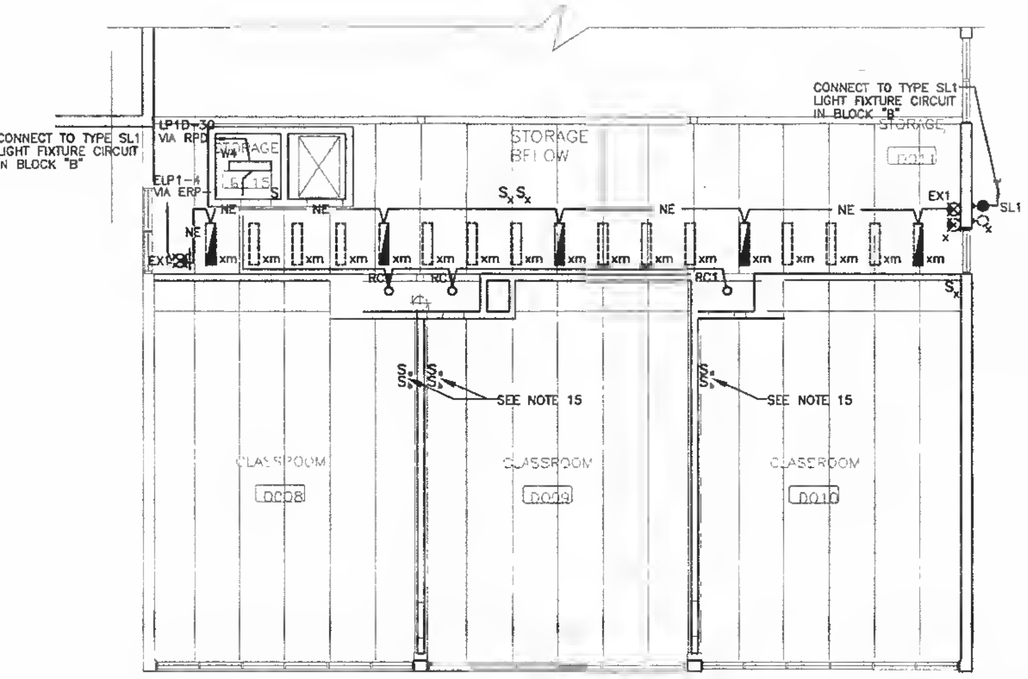
JOHNSON & KRAER
Electrical/Mechanical Engineers
1256 Park Street
Stoughton, MA 02072
tel:617.341.0088
fax:617.341.0083
e-mail: jnk1256@aol.com



1 E2.3 BLOCK 'C' LIGHTING PLAN



2 E2.3 BLOCK 'D' LIGHTING PLAN



3 E2.3 BLOCK 'D' MEZZANINE FLOOR LIGHTING PLAN

GENERAL NOTES:

1. WIRING IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
2. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS.
3. ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.
4. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE MC HIGH CONDUCTIVITY COPPER MINIMUM #12 AWG SIZE, THHN/THWN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED.
5. REFER TO POWER PLANS FOR LOCATION OF ALL PANELBOARDS.
6. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF LIGHTING FIXTURES.
7. PROVIDE SEPARATE SWITCH BOXES FOR EACH SWITCH IN ROOM WITH BOTH EMERGENCY AND NORMAL POWER SWITCHES.
8. ALL WIRING IN UNFINISHED SPACES SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT).
9. EXIT SIGNS SHALL BE CONNECTED PRIOR TO ANY SWITCHING DEVICES. EXIT SIGNS SHALL BE CONTINUOUSLY ILLUMINATED.
10. LIGHTING SHOWN IN THIS AREA SHALL BE PART OF ADD ALTERNATE #4
11. UNLESS OTHERWISE NOTED ALL LIGHTING FIXTURES SHALL BE TYPE 'A'
12. ALL BRANCH CIRCUITS IN BLOCK 'C' SHALL BE FED FROM PANEL "LP1C" UNLESS OTHERWISE NOTED.
13. EXISTING LIGHTING TO REMAIN. MAINTAIN WIRING AT ALL TIMES.
14. ALL BRANCH CIRCUITS IN BLOCK 'D' SHALL BE FED FROM PANEL "LP1D" UNLESS OTHERWISE NOTED.
15. PROVIDE NEW LIGHT SWITCHES TO CONTROL EXISTING CLASSROOM LIGHTING. PROVIDE 2-LEVEL LIGHTING BY ROW.

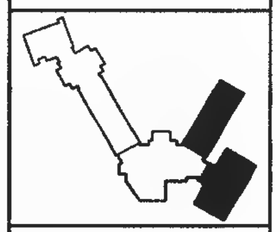
Stamp:

3-17-97

Revisions:

ANTHONY TAPPE AND ASSOCIATES, INC.
Architects and Planners
Six Edgerly Place - Boston, Massachusetts 02116
tel: (617) 451-0200 - fax: (617) 451-3899

Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

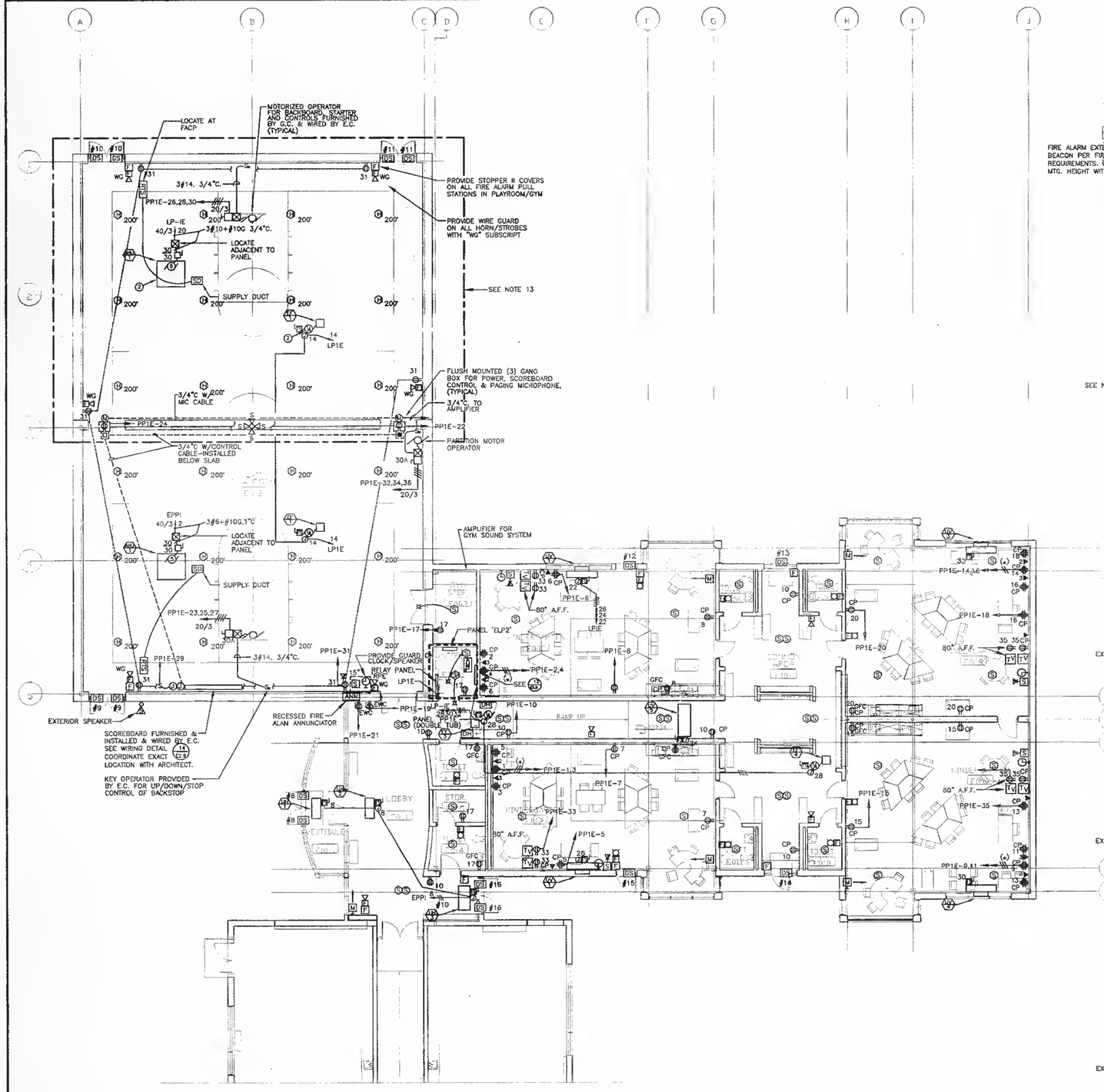


Title:
Block "C" & "D" Lighting Plan

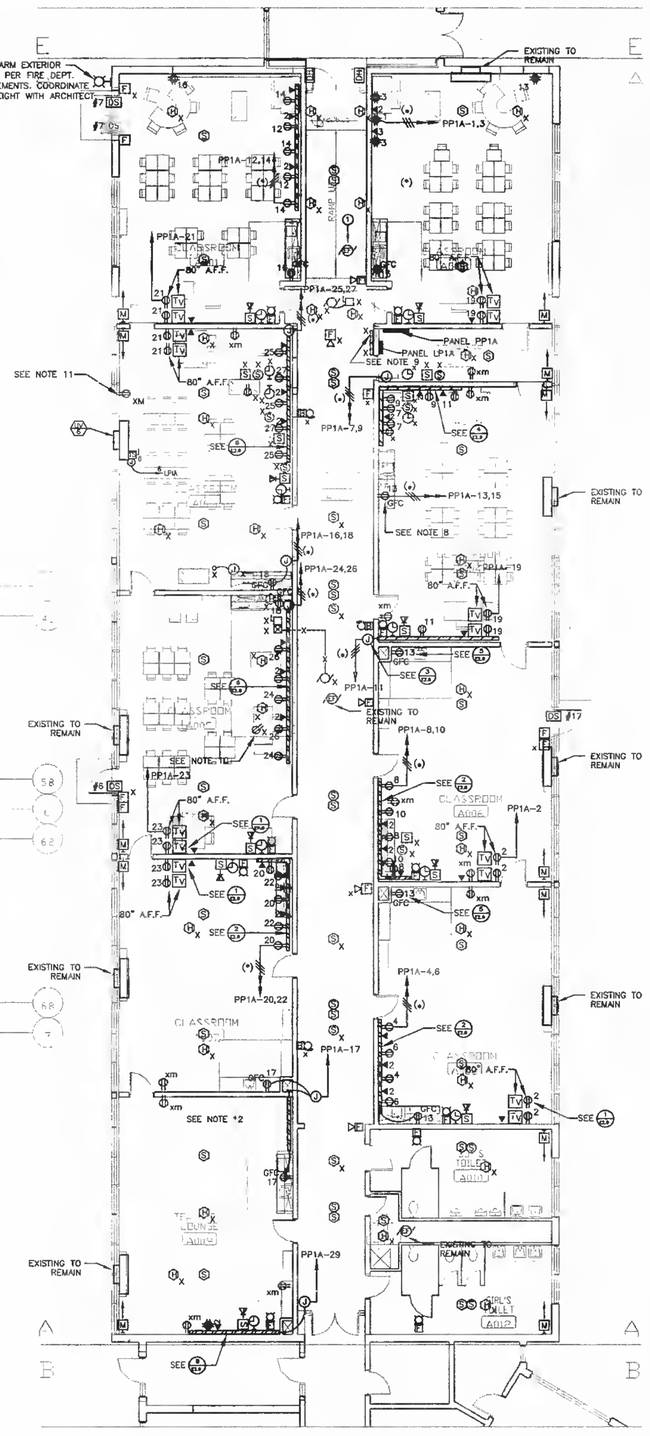
Date: 3/17/97 Drawn By:
Scale: 1/8"=1'-0" Job No.: 4528

Sheet:
E2.3

JOHNSON & BAKER
Electrical/Mechanical Engineers
1256 Park Street
Stoughton, MA 02072
tel: 617.341.0006
fax: 617.341.0063
e-mail: jandb@aol.com



1/E2.4 BLOCK 'E' POWER & SIGNAL PLAN



2/E2.4 BLOCK 'A' POWER & SIGNAL PLAN

1. DISCONNECT & REMOVE EXISTING EXHAUST FAN ELECTRICS BACK TO PANEL/SOURCE
2. UNIT PROVIDED UNDER ALTERNATE #2 SEE SPEC.

1. WIRING IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
2. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS.
3. ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED
4. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE MC 98% CONDUCTIVITY COPPER MINIMUM #12 AWG SIZE, THWN/THNN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED.
5. ASTERISK (*) INDICATES #10AWG NEUTRAL WHEN COMBINING CIRCUITS. HOMERUN CONTAINS 3#12(#), 1#10(N) & #12G.
6. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF ALL HVAC EQUIPMENT.
7. COORDINATE EXACT LOCATION OF ALL FLOOR OUTLETS WITH ARCH. PRIOR TO ROUGHING IN.
8. G.C. SHALL CUT AND PATCH WALL AS REQUIRED FOR FLUSH MOUNTED OUTLET AND CONCEALED WIRING INSTALLATION.
9. EXISTING TWO TUBS OPPOSITE OF OF PP1A ARE USED AS JUNCTION BOX FOR PP1A. E.C. TO FIELD VERIFY NUMBER OF CONDUITS AND WIRE.
10. E.C. SHALL REMOVE SURFACE MOUNTED OUTLET AND 1/2" EMT.
11. E.C. SHALL REMOVE EXISTING SURFACE MOUNTED 1/2" EMT AND REWIRE EXISTING OUTLET.
12. RUN WM 700 AT COVE BASE & PUNCH INTO SHAFT. RUN MC CABLE UP SHAFT TO ABOVE HUNG CEILING. MOUNT RECEP. ABOVE COUNTER.
13. REFER TO ALTERNATE SECTION OF SPECIFICATIONS

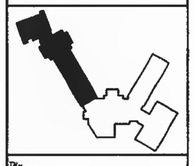
JOHNSON & STOVER
Electrical/Mechanical Engineers
1256 Park Street
Stoughton, MA 02072
tel:617.341.8080
fax:617.341.8083
e-mail: jsv1256@aol.com

3-17-97
COMMONWEALTH OF MASSACHUSETTS
GEORGE W. JOHNSON
ELECTRICAL
No. 25156
REGISTERED PROFESSIONAL ENGINEER
George W. Johnson

Revisions:

ANTHONY TAPPE AND ASSOCIATES, INC.
Architects and Planners
Six Edgerly Place - Boston, Massachusetts 02116
tel: (617) 451-0200 - fax: (617) 451-5899

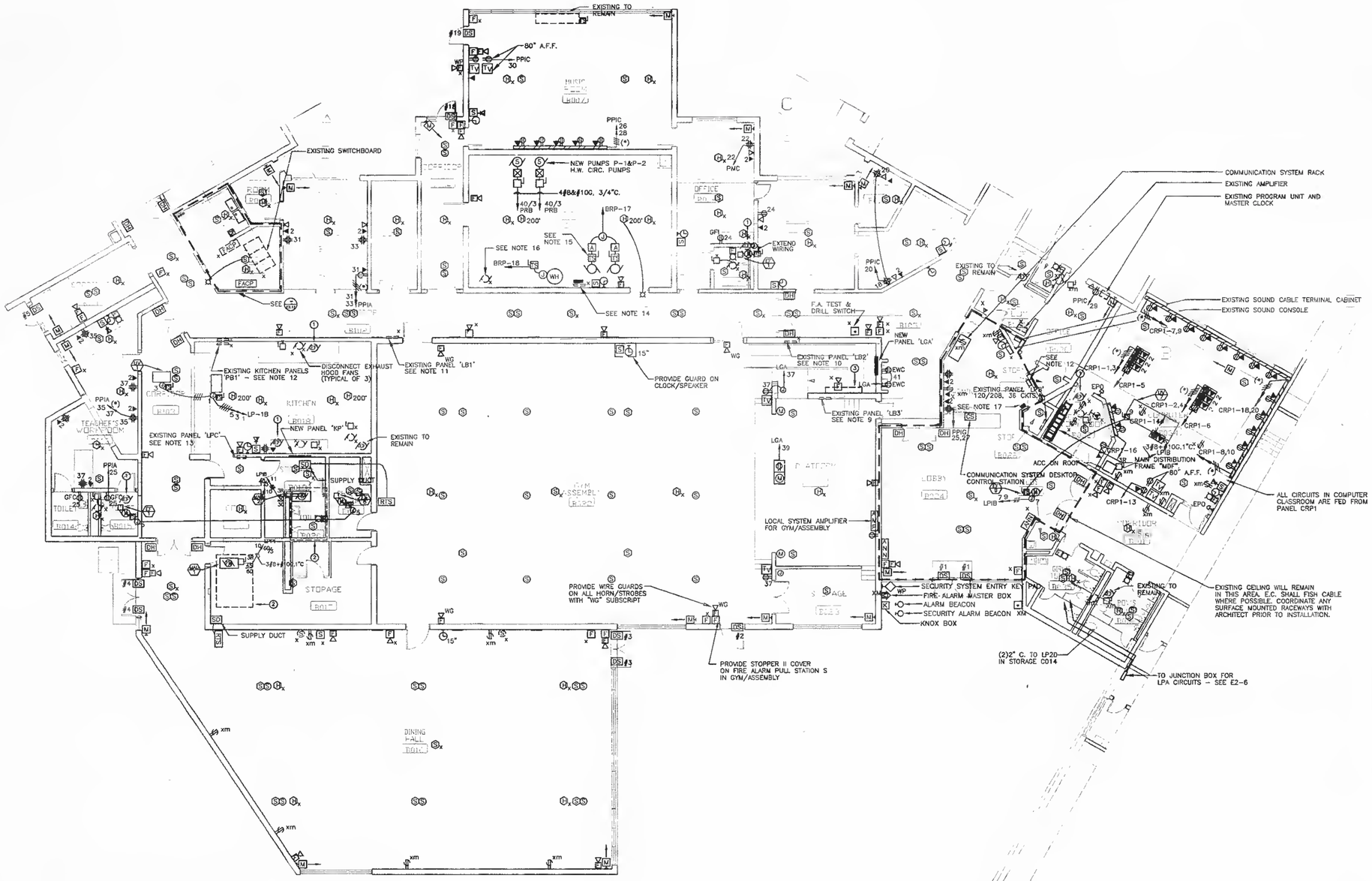
Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts



Title:
Block "A"&"E" Power & Signal plan

Date: 3/17/97 Drawn By:
Scale: 1/8"=1'-0" Job No.: 4528

Sheet:
E2.4



2 / E2.5 BLOCK 'B' POWER & SIGNAL PLAN

GENERAL NOTES:

1. WIRING IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
2. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS.
3. ALTHOUGH ALL BRANCH CIRCUIT WIR AND CONDUIT IS NOT SHOWN IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED
4. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE MC 98% CONDUCTIVITY COPPER MINIMUM #12 AWG SIZE, THWN/THNN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED.
5. ASTERISK (*) INDICATES #10AWG NEUTRAL WHEN COMBINING CIRCUITS. HOMERUN CONTAINS 2#12(*), 1#10(N) & #12G.
6. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF ALL HVAC EQUIPMENT.
7. REFER TO SPRINKLER DRAWINGS FOR EXACT LOCATION OF ALL TAMPER AND FLOW SWITCHES.
8. COORDINATE EXACT LOCATION OF ALL FLOOR OUTLETS WITH ARCH. PRIOR TO ROUGHING IN.
9. EXISTING STAGE PANEL LB3 W/(36)20/1 BREAKERS. DELETE & PROVIDE NEW LGA. REWIRE EXISTING 36 CIRCUITS TO NEW PANEL LGA.
10. EXISTING PANEL LB2 TO BE REMOVED W/(36)20/1 BREAKERS. ALL BRANCH CIRCUITS TO BE REROUTED, EXTENDED TO NEW PANEL LGA.
11. EXISTING PANEL LB1 TO BE REMOVED AND USED AS A J. BOX. EXTEND EXISTING (36)20/1 CKTS TO NEW PANEL LP2D.
12. EXISTING PANEL LPB TO BE REMOVED AND USED AS A J. BOX. EXTEND EXISTING (36)20/1 CKTS TO NEW PANEL LP2D.
13. EXISTING PANEL LPC TO BE REMOVED AND USED AS A J. BOX. EXTEND EXISTING (13)20/1 CKTS &(5)30/1 CKTS TO NEW PANEL LP2D.
14. EXISTING BOILER ROOM PANEL PB-2 TO BE DELETED AND ITS EXISTING CIRCUITS RECONNECTED TO NEW PANEL BRP AS FOLLOWS:
    (2) 15/1
    (4) 20/1
    (2) 15/3
    (1) 20/3
    (1) 30/3
    (2) 40/3
15. INSTALL TIME CLOCK AND AQUASTAT BEING PROVIDED BY P.C.
16. DISCONNECT ELECTRIC'S TO EXISTING MECHANICAL EQUIPMENT BEING REMOVED.
17. GENERATOR TROUBLE ANNUNCIATOR (FLUSH MOUNTED). PROVIDE NORMAL/EMERGENCY SOURCE.

Stamp:

3-17-97

COMMONWEALTH OF MASSACHUSETTS GEORGE W. JOHNSON ELECTRICAL No. 25154 REGISTERED PROFESSIONAL ENGINEER

Revisions:

ANTHONY TAPPE AND ASSOCIATES, INC.
Architects and Planners
Six Edgerly Place - Boston, Massachusetts 02116
tel: (617) 451-0200 - fax: (617) 451-3899

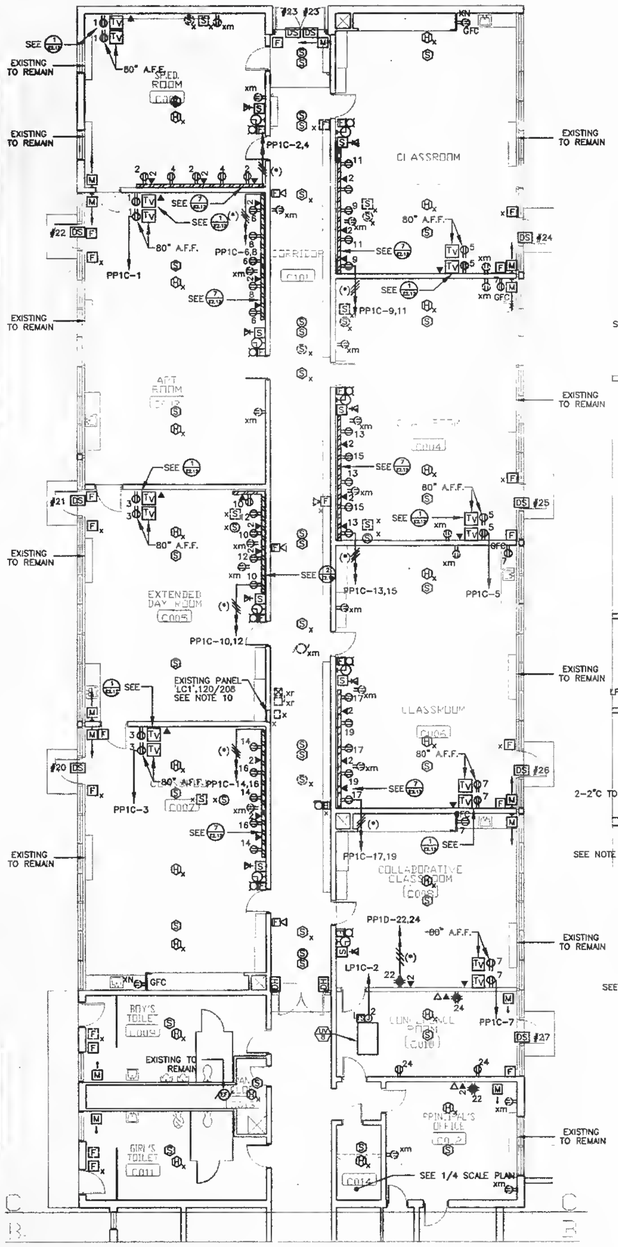
Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

Title:
Block "B" Power & Signal Plan

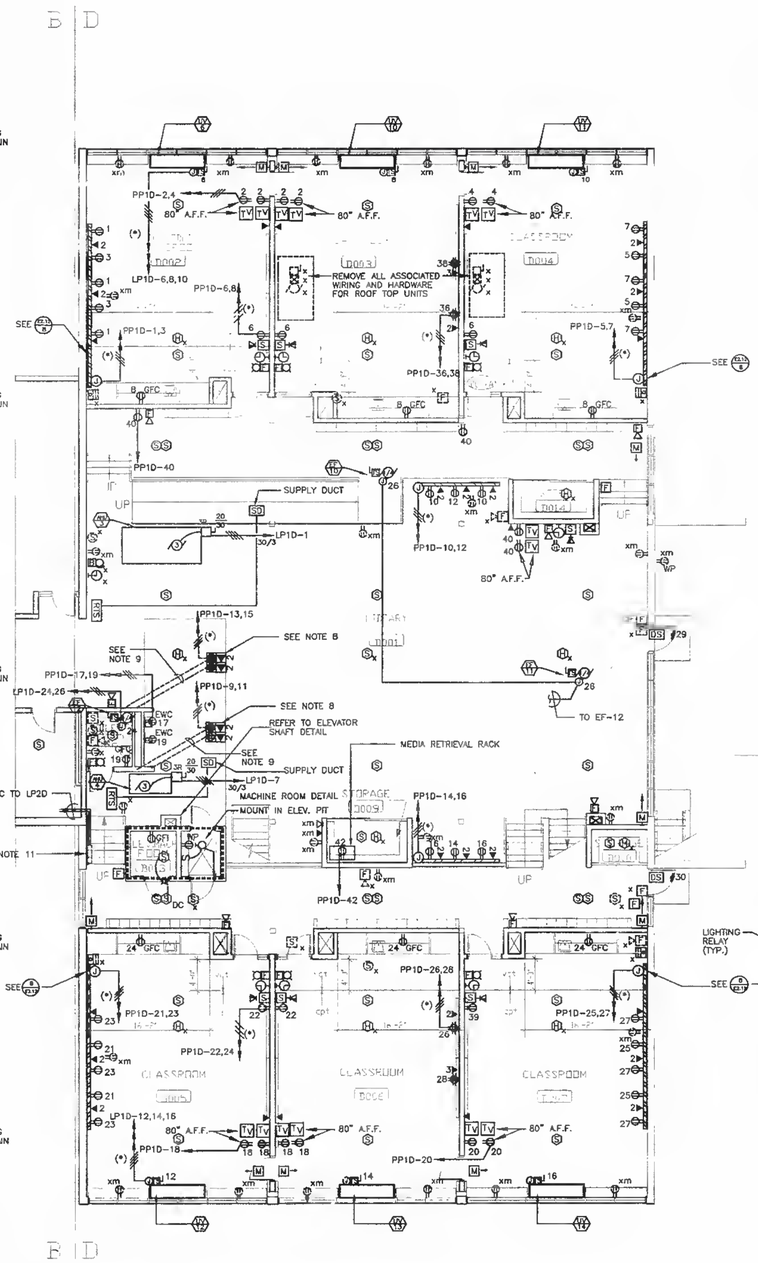
Date: 3/17/97 Drawn By:
Scale: 1/8"=1'-0" Job No.: 4528

Sheet:
E2.5

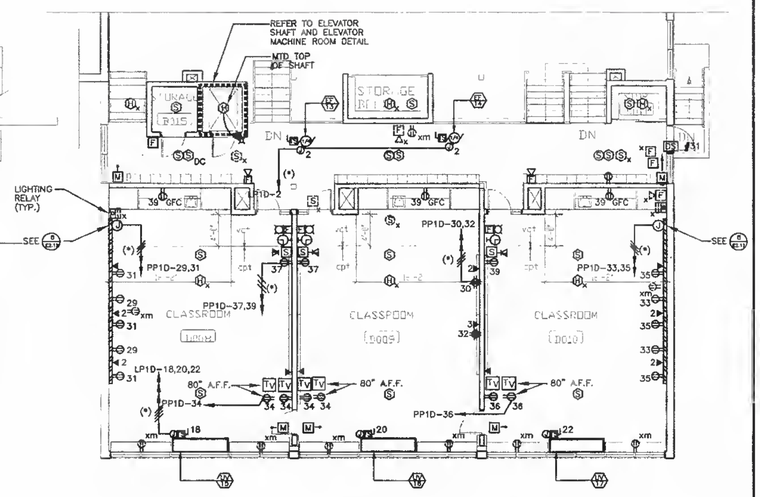
JOHNSON & STOVER
Electrical/Mechanical Engineers
1256 Park Street
Stoughton, MA 02072
tel: 617.341.8080
fax: 617.341.8083
e-mail: jns1256@aol.com



1 E2.6 BLOCK 'C' POWER & SIGNAL PLAN



2 E2.6 BLOCK 'D' POWER & SIGNAL PLAN



3 E2.6 BLOCK 'D' MEZZANINE FLOOR POWER & SIGNAL PLAN

GENERAL NOTES:

1. WIRING IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
2. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS.
3. ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.
4. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE MC 98% CONDUCTIVITY COPPER MINIMUM #12 AWG SIZE, THWN/THNN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED.
5. ASTERISK (*) INDICATES #10AWG NEUTRAL WHEN COMBINING CIRCUITS. HOMERUN CONTAINS 2#12(*), 1#10(N) & #12G.
6. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF ALL HVAC EQUIPMENT.
7. REFER TO SPRINKLER DRAWINGS FOR EXACT LOCATION OF ALL TAMPER AND FLOW SWITCHES.
8. COORDINATE EXACT LOCATION OF ALL FLOOR OUTLETS WITH ARCH. PRIOR TO ROUGHING IN.
9. CUTTING & PATCHING OF SLAB BY GENERAL CONTRACTOR.
10. EXISTING PANEL LC-1 TO BE GUTTED AND TO BE USED AS JUNCTION BOX.
11. EXISTING PANEL LPA TO BE REMOVED. PROVIDE A NEW JUNCTION AND LOCATE HIGH ON WALL FOR RECONNECTIONS TO LP2D.

Stamp:

COMMONWEALTH OF MASSACHUSETTS GEORGE W. JOHNSON ELECTRICAL No. 28154 REGISTERED PROFESSIONAL ENGINEER

3-17-97

Revisions:

ANTHONY TAPPE AND ASSOCIATES, INC.
Architects and Planners
Six Edgerly Place - Boston, Massachusetts 02116
tel: (617) 451-0200 - fax: (617) 451-3899

Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

Title:
Block"C"&"D"
Block"D"Mezz.
Pwr&Sig. Plan

Date: 3/17/97 Drawn By:
Scale: 1/8"=1'-0" Job No.: 4528

Sheet:
E2.6

JOHNSON & STOVER
Electrical/Mechanical Engineers
1256 Park Street
Stoughton, MA 02072
tel: 617.341.8080
fax: 617.341.8083
e-mail: jos1256@aol.com

MAIN SWITCHBOARD

120/208V 3ø 4W
1200 AMP

	OVER CURRENT DEVICES No.	TRIP	FRAME	CIRCUIT	FEEDER SIZE	COND. SIZE	REMARKS
		1200A	1200A	MAIN CB	SEE RISER DIAG.		PROVIDE W/GFI
			1200A	CT'S			PER UTILITY CO. STANDARDS
①	1	225A	–	PANEL LPIE	3#4/0;2#4/0(N); 1#4(G)	2 1/2"C.	ELECTRIC ROOM BLOCK 'E'
①*	2	225A	225A	PANEL PPIE	3#4/0;2#4/0(N); 1#4(G)	2 1/2"C.	* EL. ROOM BLOCK 'E'
①	3	225A	225A	PANEL LPIA	3#4/0;2#4/0(N); 1#4(G)	2 1/2"C.	MAIN ELECTRIC ROOM
①*	4	225A	225A	PANEL PPIA	3#4/0;2#4/0(N); 1#4(G)	2 1/2"C.	* MAIN ELECTRIC ROOM
①	5	225A	225A	PANEL LPIB	3#4/0;2#4/0(N); 1#4(G)	2 1/2"C.	MAIN ELECTRIC ROOM
	6	100A	100A	SPARE			
①*	7	225A	225A	PANEL PPIB	3#4/0;2#4/0(N); 1#4(G)	2 1/2"C	* MAIN ELECTRIC ROOM
①	8	225A	225A	PANEL LPID	3#4/0;2#4/0(N); 1#4(G)	2 1/2"C	ELECTRIC ROOM BLOCK 'C'
①*	9	225A	225A	PANEL PPID	3#4/0;2#4/0(N); 1#4(G)	2 1/2"C	* ELECTRIC ROOM BLOCK 'C'
	10	60A	100A	SURGE CONTROL PANEL (SCP)	4#6#;1#10(G)	1"C.	MAIN ELECTRIC ROOM
	11	100A	100A	SPARE			
①	12	225A	225A	PANEL KP	4#4/0#;1#4(G)	2 1/2"C	KITCHEN STORAGE
①	13	225A	225A	PANEL LPIC	4#4/0#;1#4(G)	2 1/2"C	ELECTRIC ROOM BLOCK 'C'
①*	14	225A	225A	PANEL PPIC	3#4/0;2#4/0(N); 1#4(G)	2 1/2"C	* ELECTRIC ROOM BLOCK 'C'
	15	100A	100A	ATS #2 (PANEL ELP1)	4#2,#6GND	2"C.	MAIN EMERG ELEC ROOM
	16	300A	400A	ATS #1 (PANEL EPP1)	4#500KcMIL+#3GND	4"C.	MAIN EMERG ELEC ROOM
	17	225A	400A	40 HP ELEVATOR	4#4/0KcMIL#;1#3(G)	3"C	ELEVATOR MACH RM–CONTROLLER
①*	18	200A	225A	PANEL CRP–1	3#4/0;2#4/0(N); 1#4(G)		
①	19	400A	400A	PANEL LGA			
①	20	400A	400A	LP2D	4#500KcMIL+#3GND		
	21		4.5"	SPACE			
	22		4.5"	SPACE			

NOTES: * – PROVIDE WITH 200% NEUTRAL.
① PROVIDE CURRENT LIMITING CIRCUIT BREAKER WITH A MAXIMUM LET-THROU OF 10KA

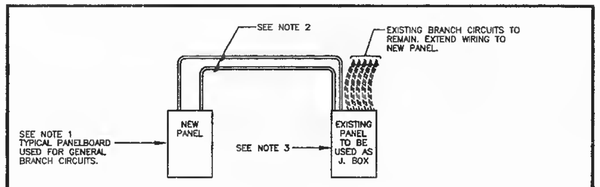
PANEL SCHEDULE

	PANEL NO.	LOCATION	MTG	MAIN BUS AMPS	MAIN CB	BRANCH CKT BREAKER (AMPS) 1 POLE 15	1 POLE 20	1 POLE 30	2 POLE 15	2 POLE 20	2 POLE 30	3 POLE 15	3 POLE 20	3 POLE 30	3 POLE 50	TOTAL POLES	OTHERS
②	LPIA	STORAGE A013	S	225		10	60									84	
③②	PPIA	STORAGE A013	S	225		10	60									84	
②	LPIB	MAIN ELEC RM	S	225		10	60									84	2(40/3)
③②	PPIB	MAIN ELEC RM	S	225		10	60									84	
②	LPIC	STORAGE CLOSET	S	225		10	60									84	
③②	PPIC	STORAGE CLOSET	S	225		10	60									84	
②	LPID	STORAGE CLOSET	S	225		10	60							2		84	
③②	PPID	STORAGE CLOSET	S	225		10	60									84	
	ELP–1	NE ROOM (B001)	S	225	100/3											42	
	ELP–2	NE ROOM (E004)	S	225	100/3											42	
	EPP–1	ELEC BLK B (B001)	S	400	–	6	6			3				2	1	42	1(40/3),1(60/3),1(20/3)④
	KP	KITCHEN	F	225												42	
②	BRP	BOILER RM	S	225		6	6					2	1	2		84	4(40/3)
③	CRP–1	COMPUTER LAB (B034)	S	225	200/3		30									42	①
	LGA	STAGE PNL	F	400	–	10	60									84	
	LPDD	ELECTRIC RM	S	400												84	
②	LP1E	EM. ELECTRIC RM	S	225	–	10	60									84	1(40/3)
③②	PP1E	EM. ELECTRIC RM	S	225	–	10	60						3			84	

① SHUNT TRIP DEVICE ON MAIN BREAKER
② DOUBLE TUB
③ 200% NEUTRAL
④ IF 200/3 DOESN'T FIT IN PANELBOARD BOX, TAP BOX & PROVIDE 200/3 NEMA 1 ENCLOSURE.

NOTE:

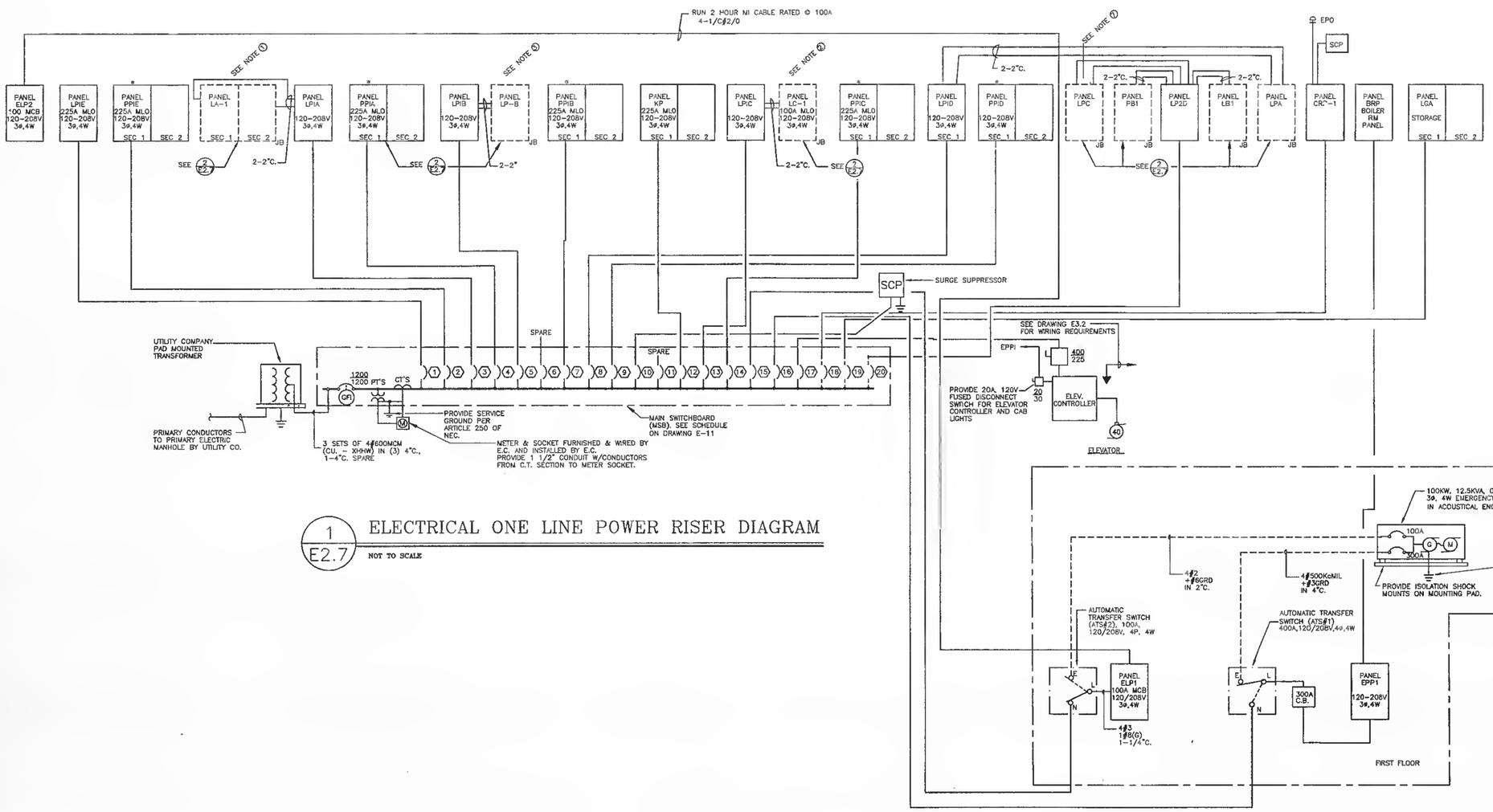
1. EXISTING PANELBOARD–BACK BOX TO BE USED AS A NEW TERMINAL BOX AND ALL EXISTING CIRCUITS TO BE EXTENDED TO NEW PANELBOARDS AS SHOWN. EXTEND 36 CIRCUITS
2. SAME AS NOTE #1. SPLICE TO LPIC; EXTEND 24–20/1+1–15/3
3. SAME AS NOTE #1. SPLICE TO LPIB; 36–20/1
4. SAME AS NOTE #1. SPLICE TO LPID; 36–20/1
5. SAME AS NOTE #1. SPLICE TO LP2D; 36–20/1
6. SAME AS NOTE #1. SPLICE TO LP2D; 36–20/1
7. SAME AS NOTE #1. SPLICE TO LP2D; 15–20/1 & 5–30/1



2 / E2.7 NEW PANEL INSTALLATION DETAIL
SCALE:NONE

NOTES:

1. PROVIDE NUMBER OF CIRCUIT EXTENSIONS SHALL CORRESPOND WITH THE NUMBER OF CIRCUIT BREAKERS AS INDICATED ON FLOOR PLANS. THE BRANCH CIRCUIT EXTENSION CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH NOTE 2 BELOW.
2. PROVIDE 2" CONDUIT FOR EXTENSION OF EXISTING BRANCH CIRCUITS. WIRE SIZE OF EACH BRANCH CIRCUIT SHALL MATCH EXISTING OVERCURRENT DEVICE RATING. DERATE CONDUCTORS IN ACCORDANCE WITH NEC ARTICLE 310–16 NOTE 8(a).
3. EXISTING PANEL TO BE REMOVED AND ALL EXISTING BRANCH CIRCUITS ARE TO BE SPLICED. SPLICE CIRCUITS IN PANEL FOR EXTENSION TO NEW PANEL. TIE–WRAP AND LABEL EACH BRANCH CIRCUIT IN TROUGH FOR A NEAT INSTALLATION.



1 / E2.7 ELECTRICAL ONE LINE POWER RISER DIAGRAM
NOT TO SCALE

JOHNSON & STOVER
Electrical/Mechanical Engineers
1256 Park Street
Stoughton, MA 02072
tel: 617.341.8080
fax: 617.341.8083
e-mail: jsa1256@aol.com

Stamp:
3.17.97
COMMONWEALTH OF MASSACHUSETTS GEORGE W. JOHNSON ELECTRICAL No. 18996

Revisions:

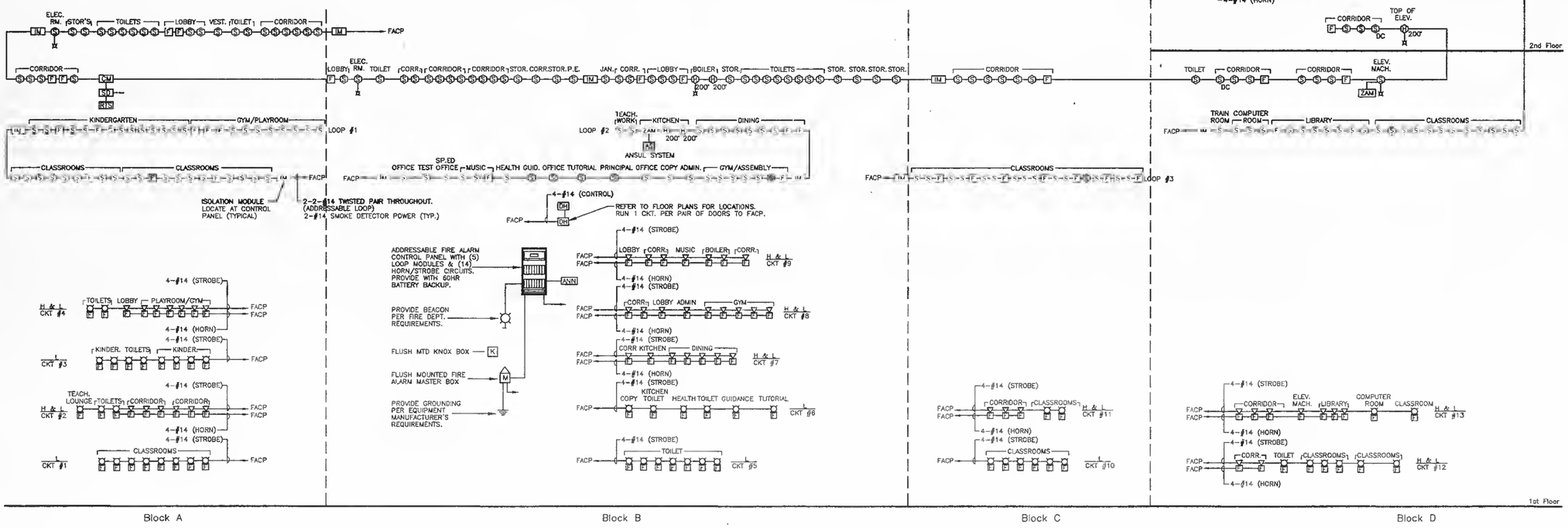
ANTHONY TAPPE AND ASSOCIATES, INC.
Architects and Planners
Six Edgerly Place – Boston, Massachusetts 02116
tel: (617) 451-0200 – fax: (617) 451-3899

Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

Title:
Riser Diagram & Schedules

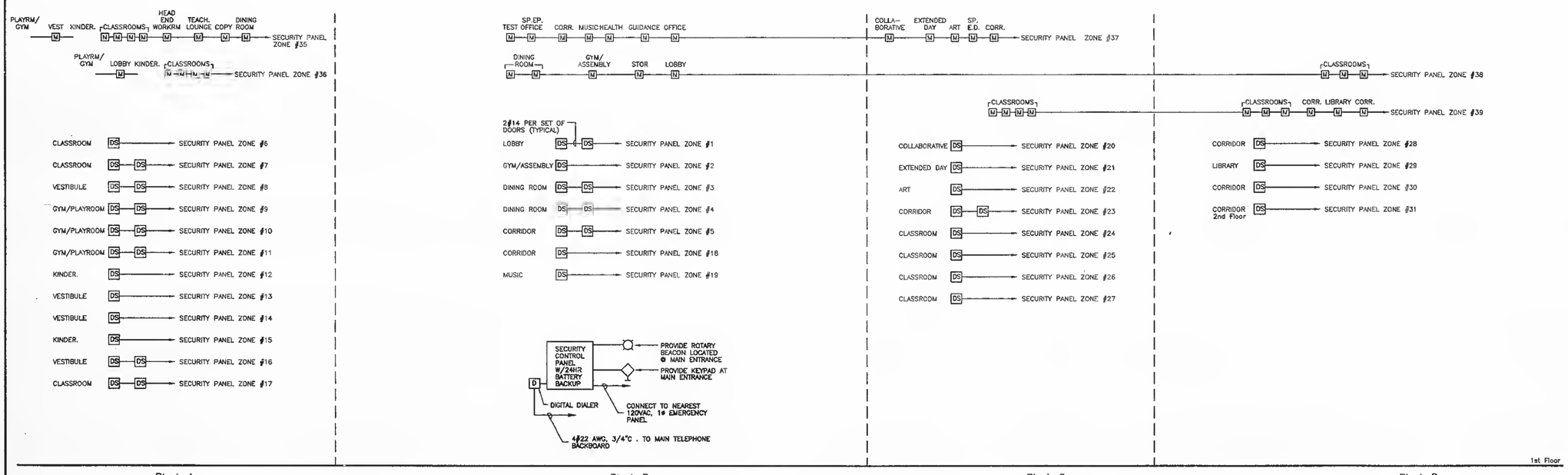
Date: 3/17/97 Drawn By:
Scale: Job No.: 4528

Sheet:
E2.7



1 / E2.8 **FIRE ALARM RISER DIAGRAM**

NOT TO SCALE



2 / E2.8 **SECURITY RISER DIAGRAM**

NOT TO SCALE

1. FURNISH ALL, EQUIP, LABOR, WIRING AND WIRING FOR A COMPLETELY OPERATIONAL SYSTEM.
2. ALL WIRING SHALL BE IN ACCORDANCE WITH OWNER'S EQUIPMENT SUPPLIER. COORDINATE ALL WIRING REQUIREMENTS PRIOR TO ROUGHING-IN.
3. REFER TO FLOOR PLANS FOR EXACT QUANTITIES OF DEVICES.
4. FLUSH MOUNTED ANNUNCIATOR LOCATED IN ENTRY LOBBY.

SECURITY NOTES:

1. PROVIDE SEPARATE ZONE FOR EACH DOOR (OR SET OF DOUBLE DOORS).
2. PROVIDE SEPARATE ZONE FOR EACH MOTION DETACTOR.
3. ALL WIRING SHALL BE IN EMT. TYPE & QUANTUTY OF WIRING SHALL BE PER MANUFACTURER'S REQUIREMENTS.
4. PROGRAMMING OF CONTROL PANEL SHALL BE COORDINATED WITH OWNER FOR TIME AND EVENT SCHEDULES. CONTROL PANEL SHALL BE SOLID STATE AND PROGRAMMABLE VIA LAP TOP COMPUTER. PROVIDE 16 HOURS OF ON-SITE TRAINING.

3-17-97

Revisions:

ANTHONY TAPPE AND ASSOCIATES, INC.
Architects and Planners
Six Edgerly Place - Boston, Massachusetts 02116
tel: (617) 451-0200 - fax: (617) 451-3899

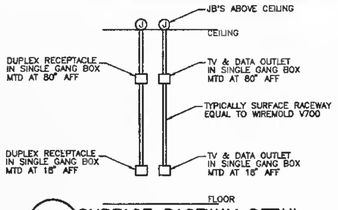
Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

JOHNSON & STOVER
Electrical/Mechanical Engineers
1256 Park Street
Stoughton, MA 02072
tel: 617.341.8080
fax: 617.341.8083
e-mail: jsel256@aol.com

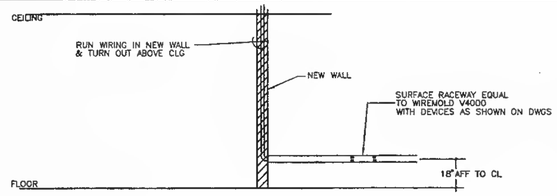
Title:
FIRE ALARM & SECURITY RISERS

Date: 3/17/97 Drawn By:
Scale: NONE Job No.: 4528

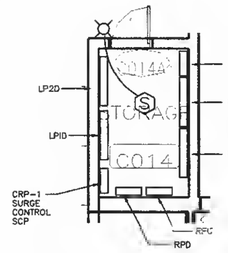
Sheet:
E2.8



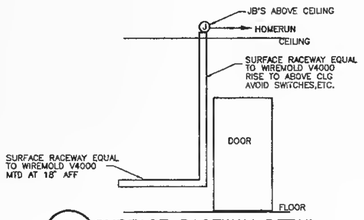
1 / E2.9 SURFACE RACEWAY DETAIL
SCALE: NONE



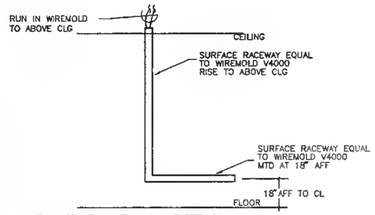
6 / E2.9 SURFACE RACEWAY DETAIL
SCALE: NONE



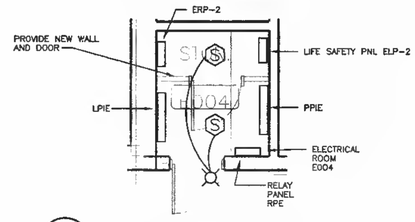
11 / E2.9 TECH ED. BLOCK 'C' ELEC ROOM
SCALE: 1/4"=1'-0"



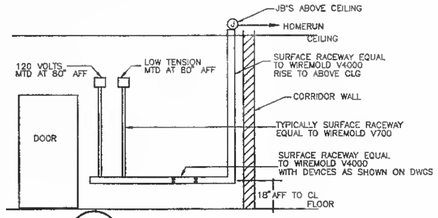
2 / E2.9 SURFACE RACEWAY DETAIL
SCALE: NONE



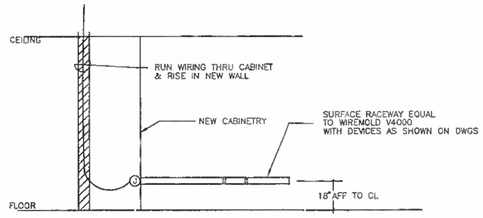
7 / E2.9 SURFACE RACEWAY DETAIL
SCALE: NONE



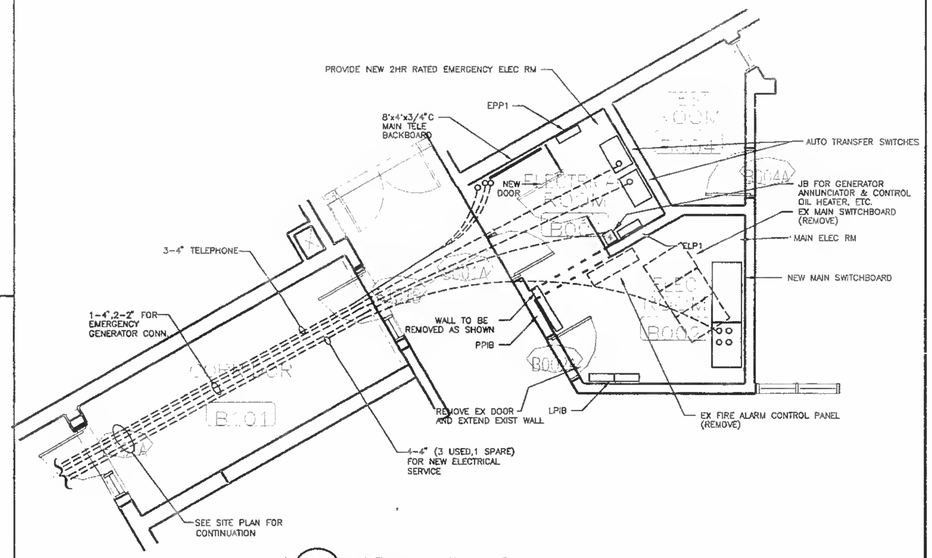
12 / E2.9 BLOCK 'E' ELECTRIC ROOM
SCALE: 1/4"=1'-0"



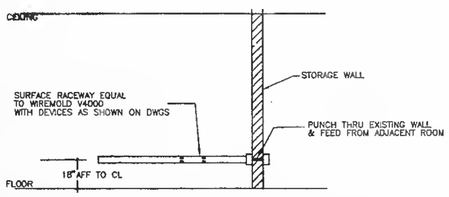
3 / E2.9 SURFACE RACEWAY DETAIL
SCALE: NONE



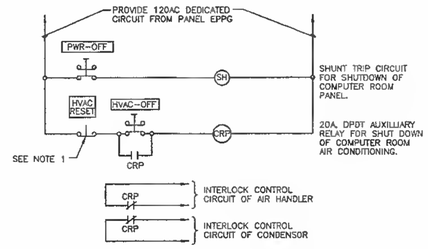
8 / E2.9 SURFACE RACEWAY DETAIL
SCALE: NONE



13 / E2.9 PART-MAIN ELEC RM
SCALE: 1/4"=1'-0"

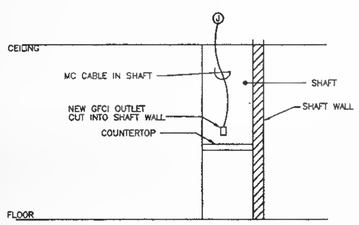


4 / E2.9 SURFACE RACEWAY DETAIL
SCALE: NONE

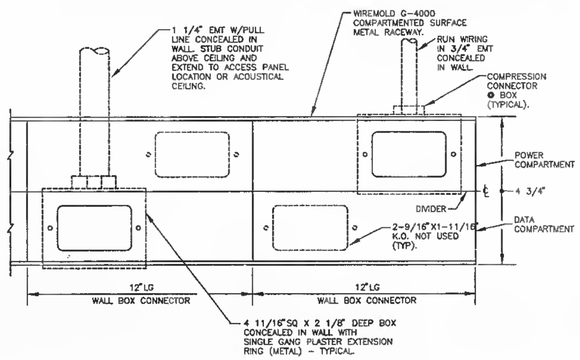


9 / E2.9 COMPUTER ROOM EMERGENCY SHUTDOWN DETAIL
SCALE: NONE

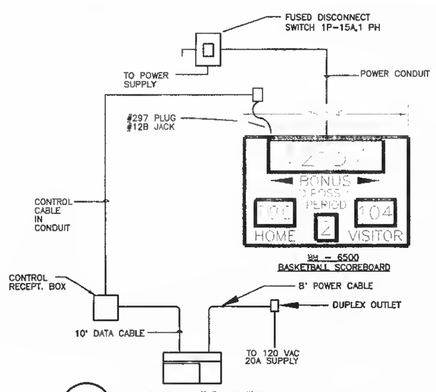
NOTES:
1. LOCATE RESET MOMENTARY PUSHBUTTON ADJACENT TO COMPUTER ROOM PANEL



5 / E2.9 SURFACE RACEWAY DETAIL
SCALE: NONE



10 / E2.9 SURFACE METAL RACEWAY FEED DETAIL
SCALE: NONE



NOTE: E.C. SHALL BE RESPONSIBLE FOR ALL STRUCTURAL SUPPORT AND BRACING OF SCOREBOARD.

13 / E2.9 SCOREBOARD DETAIL
SCALE: NONE

Stamp:
3.17.97
COMMONWEALTH OF MASSACHUSETTS GEORGE W JOHNSON ELECTRICAL No. 35154 REGISTERED PROFESSIONAL ENGINEER

Revisions:

ANTHONY TAPPE AND ASSOCIATES, INC.
Architects and Planners
Six Edgerly Place - Boston, Massachusetts 02116
tel: (617) 451-0200 - fax: (617) 451-3899

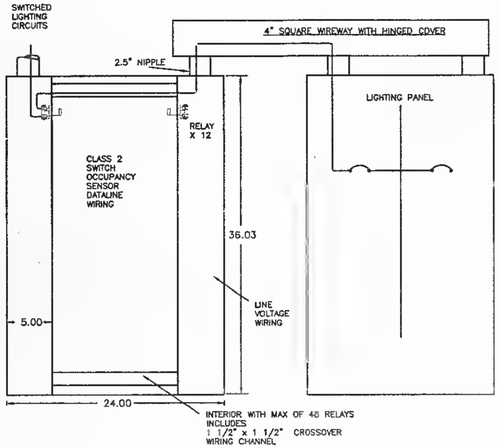
Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

JOHNSON & STOVER
Electrical/Mechanical Engineers
1256 Park Street
Stoughton, MA 02072
tel: 617.341.8080
fax: 617.341.8083
e-mail: jsel256@aol.com

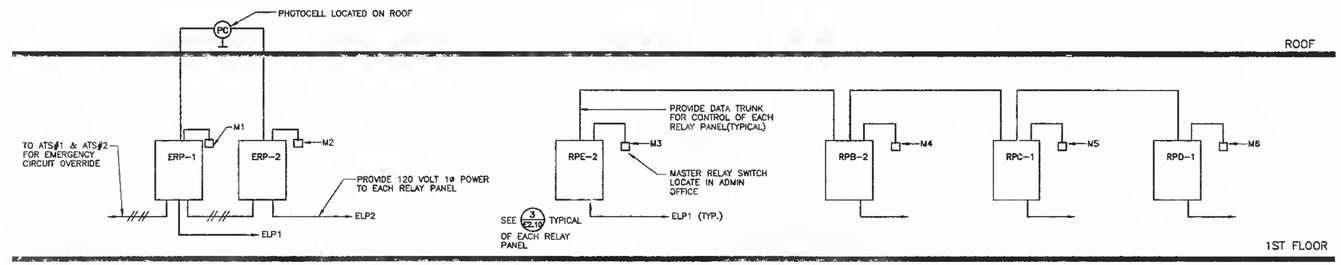
Title:
Electrical Details

Date: 3/17/97 Drawn By: CD/BJH
Scale: AS NOTED Job No.: 4528

Sheet:
E2.9



2 / E2.10 TYPICAL RELAY PANEL
N.T.S.

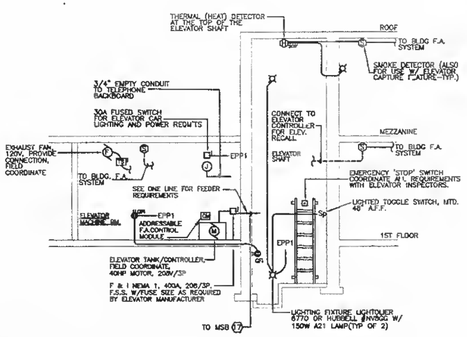


2 / E2.10 LIGHTING CONTROL SYSTEM DETAIL
NOT TO SCALE

NOTES:

1.ALL WIRING SHALL BE PER EQUIPMENT MANUFACTURERS REQUIREMENTS.

2.REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.



3 / E2.10 ELEVATOR CHAFRS AND ELEVATOR MACHINE ROOM DETAIL
N.T.S.

DRAWING NOTES:

1. THE THERMAL DETECTOR SHALL BE WIRED AS REQUIRED SO THAT IN THE EVENT THE THERMAL DETECTOR IS ACTIVATED, IT SHALL CAUSE THE LED LIGHT TO ENERGIZE.

2. ALL EQUIPMENT SHOWN IN THE ELEVATOR MACHINE ROOM SHALL BE COORDINATED W/ THE ELEVATOR MANUFACTURER'S SHOP DRAWINGS AND THE ELEVATOR INSTALLER. FIELD-LOCATE EQUIPMENT SHOWN/REQUIRED AS NECESSARY FOR A COMPLETE SYSTEM.

RELAY PANEL SCHEDULE "ERP-1"
RELAY PANEL No. ELP1 LOCATION EMERGENCY ELECTRIC RM
VOLTAGE 120

RELAY NO.	CKT. NO.	PANEL	SWITCH	MOTOR MASTER SWITCH	POSITION	AREA CONTROLLED
1	1	ELP1	1			EMERGENCY LIGHTING
2	8	ELP1	1			EMERGENCY LIGHTING
3	10	ELP1	1			EMERGENCY LIGHTING
4	12	ELP1	1			EMERGENCY LIGHTING
5	21	ELP1	1			EMERGENCY LIGHTING
6	22	ELP1	1			EMERGENCY LIGHTING
7	3	ELP1	1			EMERGENCY LIGHTING
8	2	ELP1	1			EMERGENCY LIGHTING
9	4	ELP1	1			EMERGENCY LIGHTING
10	6	ELP1	1			EMERGENCY LIGHTING
11-12						

1 GROUP TO MASTER SWITCH "M1". LOCATE @ ADDMIN. OFFICE

RELAY PANEL SCHEDULE "ERP-2"
RELAY PANEL No. ELP2 LOCATION EMERGENCY ELECTRIC RM
VOLTAGE 120

RELAY NO.	CKT. NO.	PANEL	SWITCH	MOTOR MASTER SWITCH	POSITION	AREA CONTROLLED
1	2	ELP2	1			EMERGENCY LIGHTING
2	3	ELP2	1			EMERGENCY LIGHTING
3	4	ELP2	1			EMERGENCY LIGHTING
4	5	ELP2	1			EMERGENCY LIGHTING
5	6	ELP2	1			EMERGENCY LIGHTING
6	8	ELP2	1			EMERGENCY LIGHTING
7-12						

1 GROUP TO MASTER SWITCH "M2". LOCATE @ ADDMIN. OFFICE

RELAY PANEL SCHEDULE "RPB-1"
RELAY PANEL No. LP1B LOCATION EMERGENCY ELECTRIC RM
VOLTAGE 120

RELAY NO.	CKT. NO.	PANEL	SWITCH	MOTOR MASTER SWITCH	POSITION	AREA CONTROLLED
1	4	LP1A	1			CORRIDOR
2	2	LP1B	1			CORRIDOR
3-12						

1 GROUP TO MASTER SWITCH "M4". LOCATE @ ADDMIN OFFICE

RELAY PANEL SCHEDULE "RPC-1"
RELAY PANEL No. LP1C LOCATION EMERGENCY ELECTRIC RM
VOLTAGE 120

RELAY NO.	CKT. NO.	PANEL	SWITCH	MOTOR MASTER SWITCH	POSITION	AREA CONTROLLED
1	1	LP1C	1			CORRIDOR
2-12						

1 GROUP TO MASTER SWITCH "M5". LOCATE @ ADDMIN. OFFICE

RELAY PANEL SCHEDULE "RPD-1"
RELAY PANEL No. LP1D LOCATION EMERGENCY ELECTRIC RM
VOLTAGE 120

RELAY NO.	CKT. NO.	PANEL	SWITCH	MOTOR MASTER SWITCH	POSITION	AREA CONTROLLED
1	28	LP1D	1			CORRIDOR
2	30	LP1D	1			CORRIDOR
3-12						

1 GROUP TO MASTER SWITCH "M6". LOCATE @ ADDMIN. OFFICE

RELAY PANEL SCHEDULE "RPE-1"
RELAY PANEL No. LP1E LOCATION EMERGENCY ELECTRIC RM
VOLTAGE 120

RELAY NO.	CKT. NO.	PANEL	SWITCH	MOTOR MASTER SWITCH	POSITION	AREA CONTROLLED
1	9	LP1E	1			CORRIDOR
2	17	LP1E	1			LOBBY
3	19	LP1E	1			LOBBY
4-12						

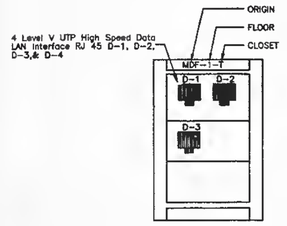
1 GROUP TO MASTER SWITCH "M3". LOCATE @ ADDMIN. OFFICE

Revisions:

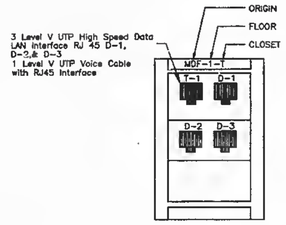
ANTHONY TAPPE AND ASSOCIATES, INC.
Architects and Planners
Six Edgerly Place - Boston, Massachusetts 02116
tel: (617) 451-0200 - fax: (617) 451-3899

Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

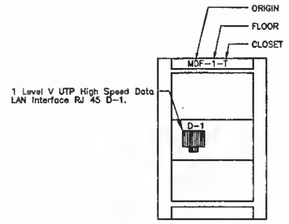
Title:
Electrical



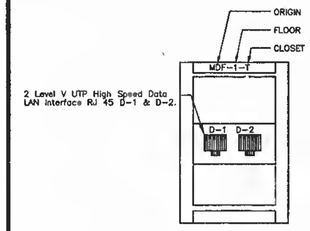
1 / E3.1 TYPICAL QUAD DATA OUTLET (▼) DETAIL
NOT TO SCALE



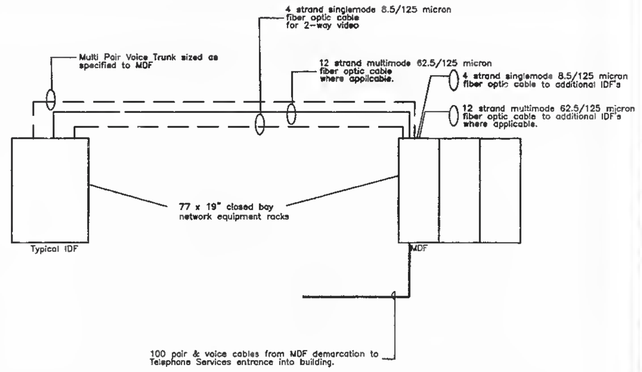
1A / E3.1 TYPICAL TEL/DATA OUTLET (▼) DETAIL
NOT TO SCALE



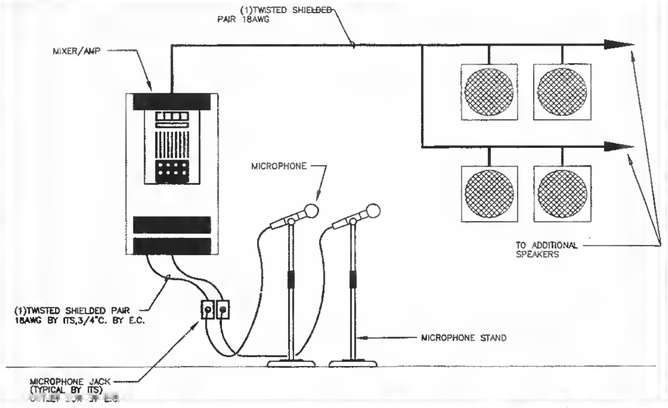
1B / E3.1 TYPICAL DATA OUTLET (▼) DETAIL
NOT TO SCALE



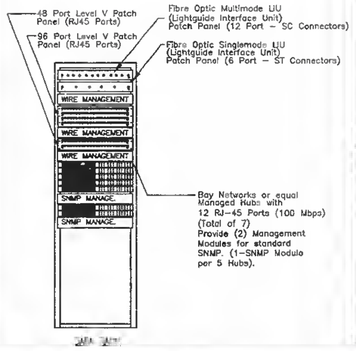
1C / E3.1 TYPICAL DATA OUTLET (▼) DETAIL
NOT TO SCALE



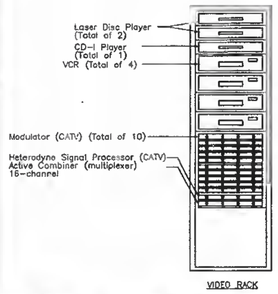
2 / E3.1 TYPICAL BACKBONE DISTRIBUTION
NOT TO SCALE



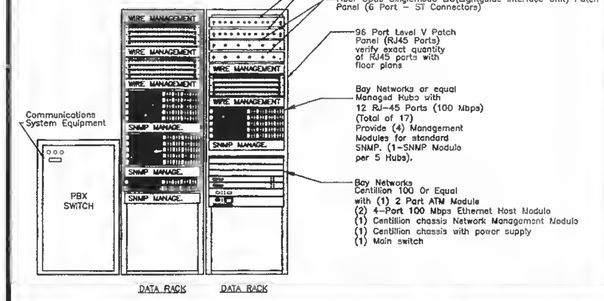
3 / E3.1 GYM/CAFETERIA LOCAL SOUND SYSTEM
NOT TO SCALE



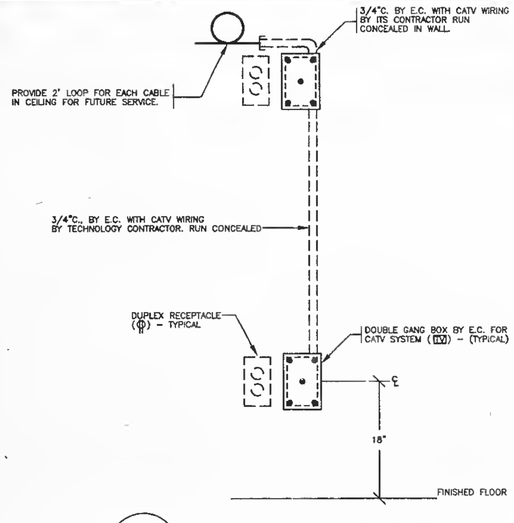
4 / E3.1 IDF DETAIL
NOT TO SCALE
NOTE: THE DETAIL SHALL APPLY TO IDF-1.



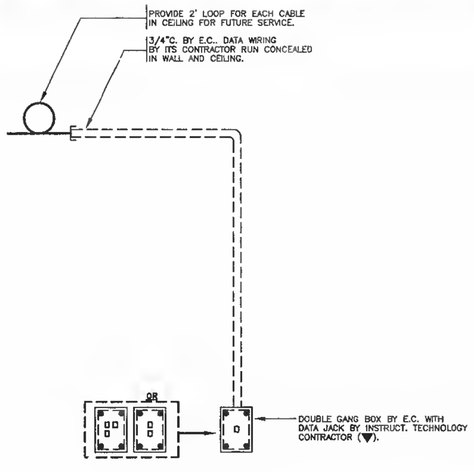
5 / E3.1 VIDEO RACK DETAIL
NOT TO SCALE



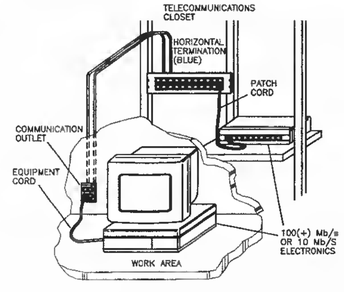
6 / E3.1 MDF DETAIL
NOT TO SCALE



7 / E3.1 CATV SYSTEM DETAIL
NOT TO SCALE



8 / E3.1 DATA OUTLET DETAIL
NOT TO SCALE



9 / E3.1 TYPICAL INTERCONNECTION ARCHITECTURE
NOT TO SCALE

JOHNSON & STOVER
Electrical/Mechanical Engineers
1256 Park Street
Stoughton, MA 02072
tel:617.341.6060
fax:617.341.6063
e-mail: js1256@aol.com

Stamp:
3-17-97
JOHNSON ELECTRICAL No. 15154 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS

Revisions:

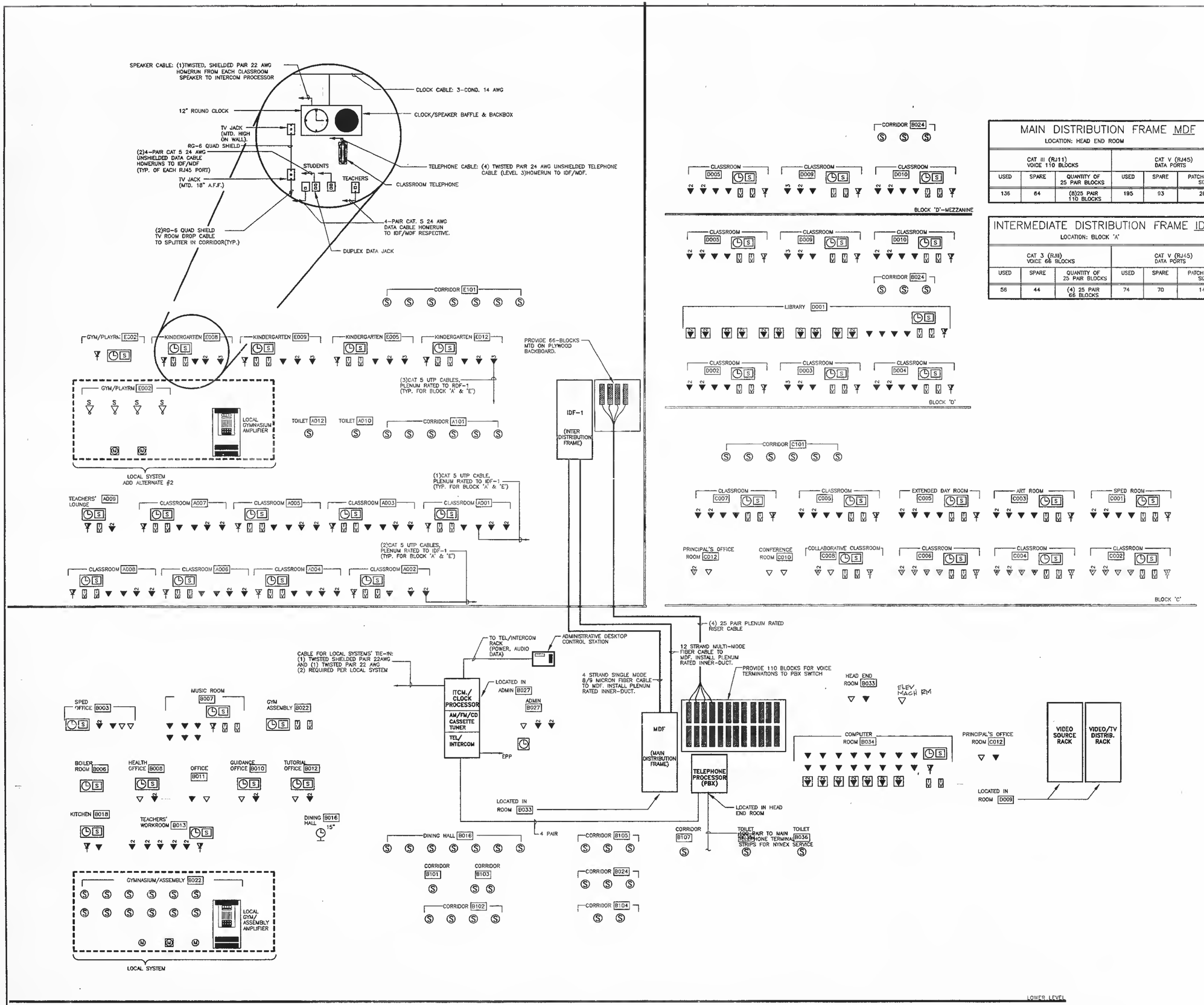
ANTHONY TAPPE AND ASSOCIATES, INC.
Architects and Planners
Six Edgerly Place - Boston, Massachusetts 02116
tel: (617) 451-0200 - fax: (617) 451-3899

Additions and Alterations to the
Fine Hill School
Sherborn, Massachusetts

Title:
Instructional Technology System

Date: 3/17/97 Drawn By: CD/BV
Scale: None Job No.: 4528

Sheet:
E3.1



1 E3.2 INSTRUCTIONAL TECHNOLOGY SYSTEM RISER

MAIN DISTRIBUTION FRAME MDF

LOCATION: HEAD END ROOM

CAT III (RJ11) VOICE 110 BLOCKS			CAT V (RJ45) DATA PORTS		
USED	SPARE	QUANTITY OF 25 PAIR BLOCKS	USED	SPARE	PATCH PANEL SIZE
136	64	(8)25 PAIR 110 BLOCKS	195	93	288

INTERMEDIATE DISTRIBUTION FRAME IDF-1

LOCATION: BLOCK 'A'

CAT 3 (RJ11) VOICE 66 BLOCKS			CAT V (RJ45) DATA PORTS		
USED	SPARE	QUANTITY OF 25 PAIR BLOCKS	USED	SPARE	PATCH PANEL SIZE
56	44	(4) 25 PAIR 66 BLOCKS	74	70	144

NOTE:

1. THIS CONTRACTOR SHALL PROVIDE FOR A COMPLETE INSTALLATION. FURNISH ALL EQUIP. LABOR, WIRING AND OUTLETS REQUIRED FOR A COMPLETELY OPERATIONAL SYSTEM.
2. ALL WIRING SHALL BE IN ACCORDANCE WITH EQUIPMENT SUPPLIER. COORDINATE ALL WIRING REQUIREMENTS PRIOR TO ROUGHING-IN.
3. REFER TO FLOOR PLANS FOR EXACT QUANTITY OF DEVICES.
4. PROVIDE APPROPRIATE QUANTITIES OF DATA PATCH PANELS AND NETWORK HUBS TO ACCOMODATE ALL RESPECTIVE DATA CIRCUITS.
5. BLOCK 'A'&'B' SHALL BE SERVED FROM IDF-1. ALL OTHER BLOCKS SHALL BE SERVED FROM MDF.

Stamp:

Revisions:

ANTHONY TAPPE AND ASSOCIATES, INC.
Architects and Planners
Six Edgerly Place - Boston, Massachusetts 02116
tel: (617) 451-0200 - fax: (617) 451-3899

Additions and Alterations to the
Pine Hill School
Sherborn, Massachusetts

File:

Instructional Technology System Riser

Date: 3/17/97 Drawn By: CD/BV
Scale: None Job No.: 4570

Sheet: E3.2

JOHNSON & TOVER
1256 Park Street
Stoughton, MA 02072
tel:617.341.6060
fax:617.341.6063
e-mail: jnt1256@ecl.com