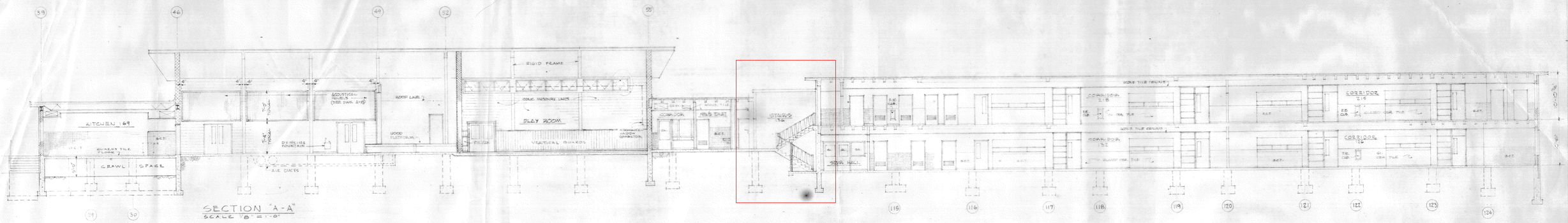
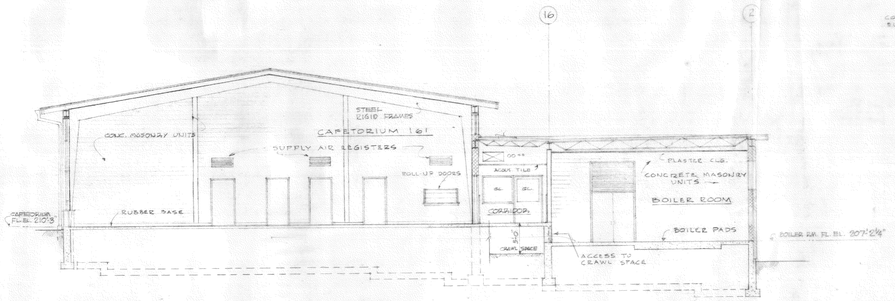
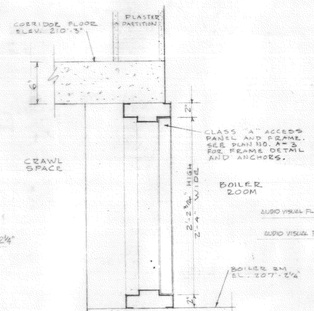


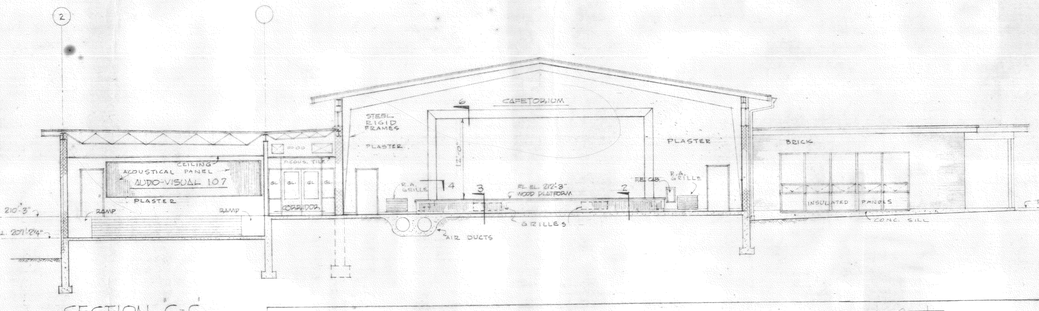
SECTION "A-A"
SCALE "B" = 1'-0"



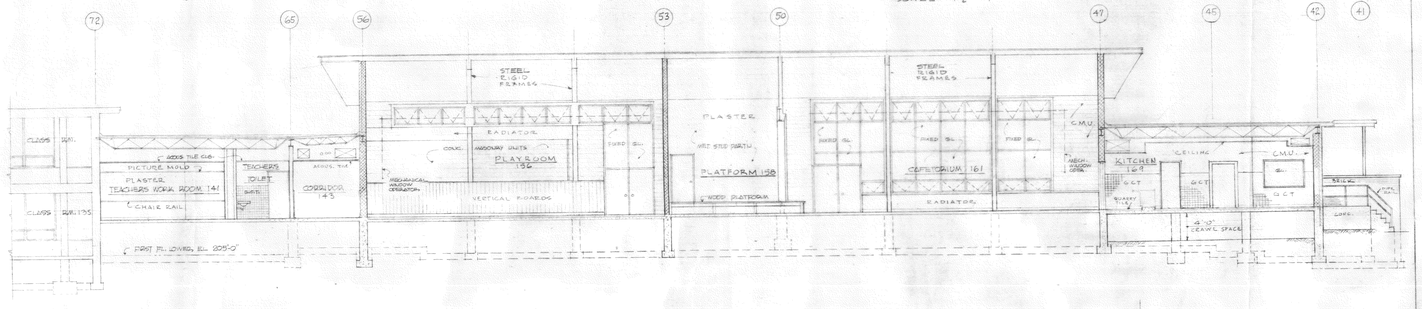
SECTION B-B
SCALE 1/8" = 1'-0"



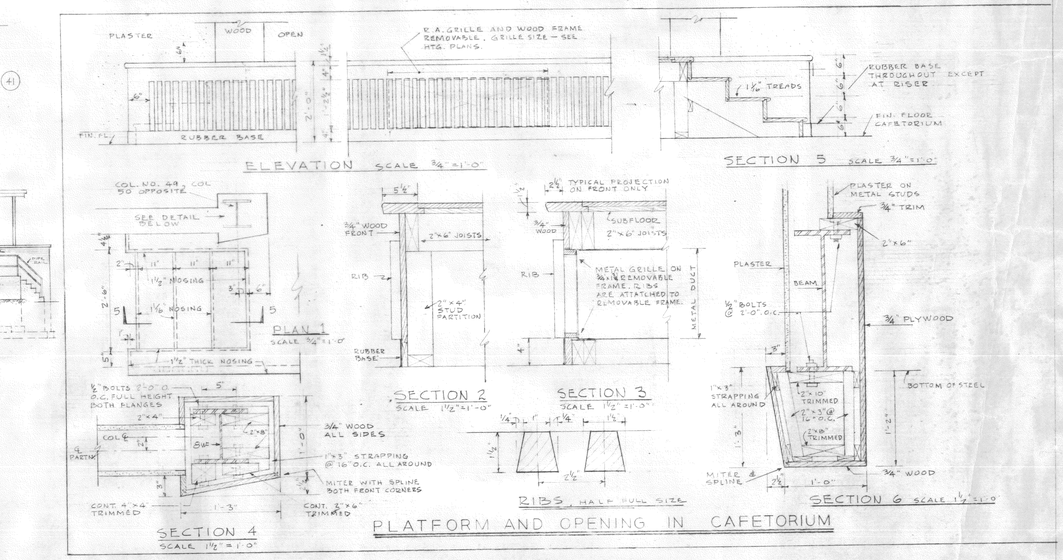
CRAWL SPACE ACCESS PANEL
SCALE 1½" = 1'-0"

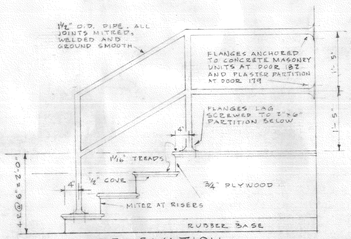


SECTION C-C
SCALE 1/8" = 1'-0"

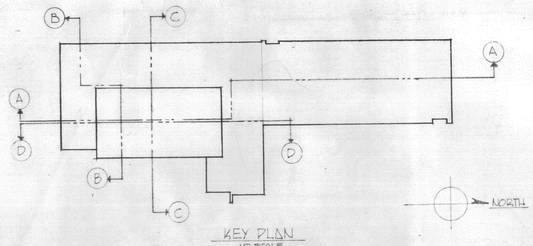


SECTION D-D
SCALE 1/8" = 1'-0"





STAIR & PLATFORM AT DOORS 179 & 182
SCALE ¾" = 1'-0"

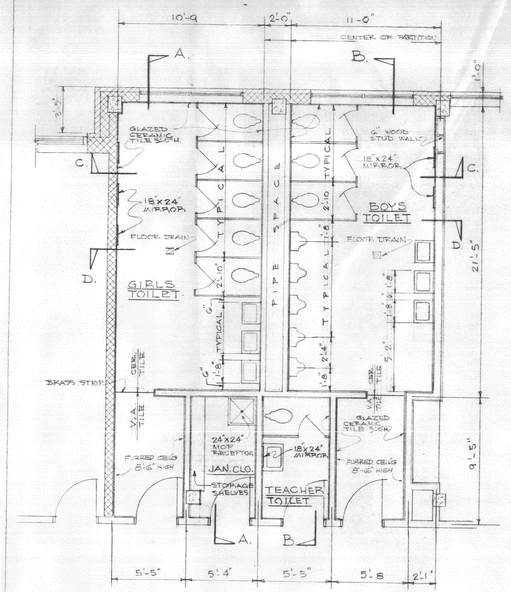


KEY PLAN
NO SCALE

REGISTERED ARCHITECT HAROLD C. KNIGHT No. 134 BOSTON, MASS. COMMONWEALTH OF MASSACHUSETTS

NORTH ROAD ELEMENTARY SCHOOL BEDFORD MASSACHUSETTS	Ys-9
SECTIONS	DATE DESIGNED DRAWN 12/27/55 CHECKED
KNIGHT BAGGE & ANDERSON ARCHITECTS BOSTON MASSACHUSETTS	PLAN No. A-5

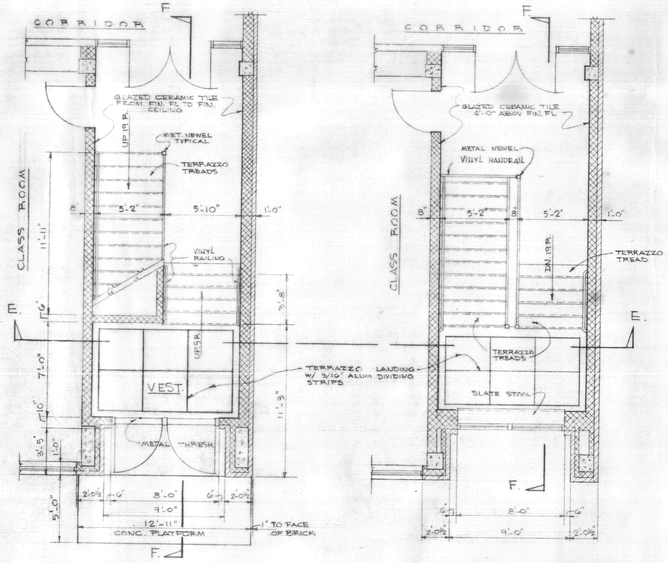
SHEET No. 8 OF 27



SECOND FLOOR TOILETS - PLAN

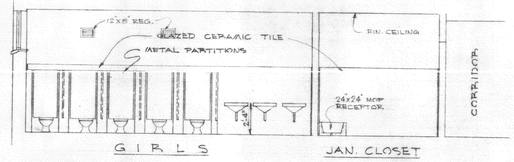
FIRST FLOOR SIMILAR

SCALE 1/4"=1'-0"



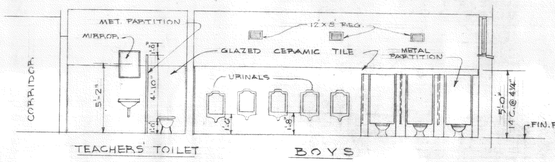
FIRST FLOOR

SECOND FLOOR



SECTION A-A

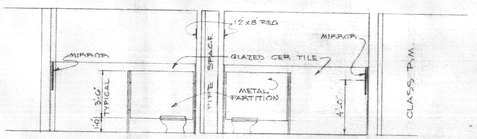
1/4"=1'-0"



TEACHERS TOILET BOYS

SECTION B-B

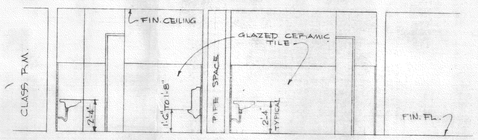
1/4"=1'-0"



GIRLS BOYS

SECTION C-C

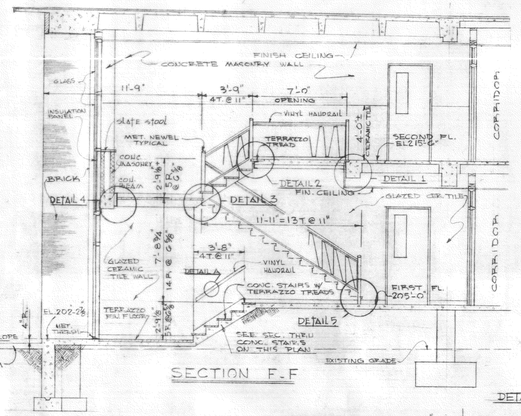
1/4"=1'-0"



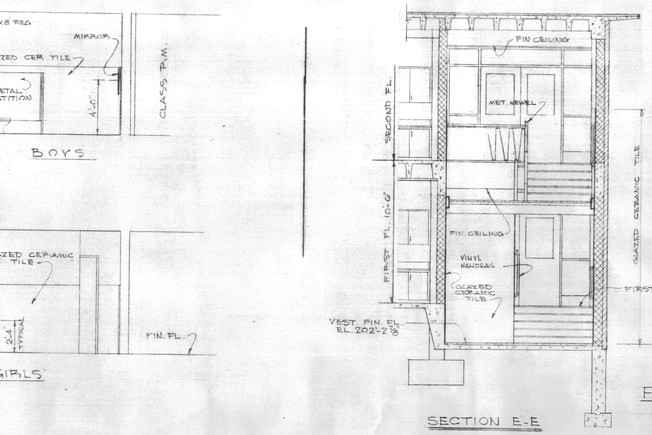
BOYS GIRLS

SECTION D-D

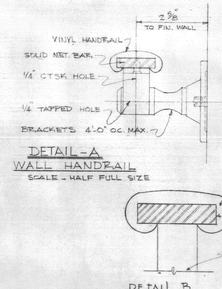
1/4"=1'-0"



SECTION F-F



SECTION E-E



DETAIL-A

WALL HANDRAIL

SCALE - HALF FULL SIZE

DETAIL B

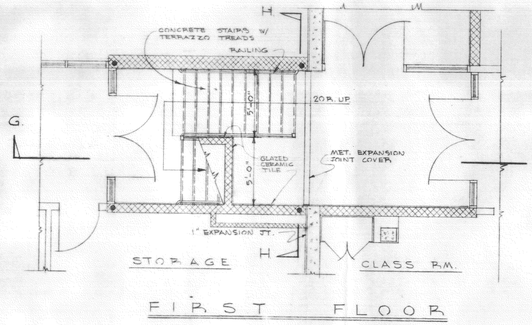
SCALE: FULL SIZE

¾" SOLID METAL BENT BAR RAILING. DRILL & TAP TOP & BOTTOM WITH ⅜"-16 FLAT HEAD COUNTERSUNK FLUSH BOLTS

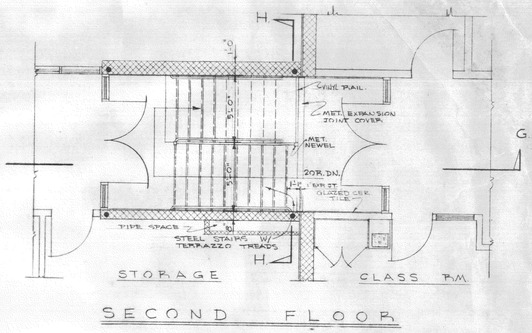
FLOOR PLAN & SECTIONS

STAIR # 1

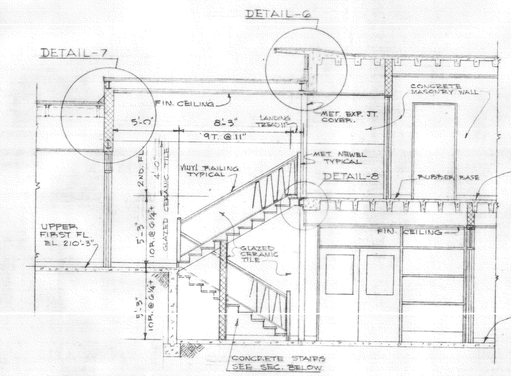
SCALE 1/4"=1'-0"



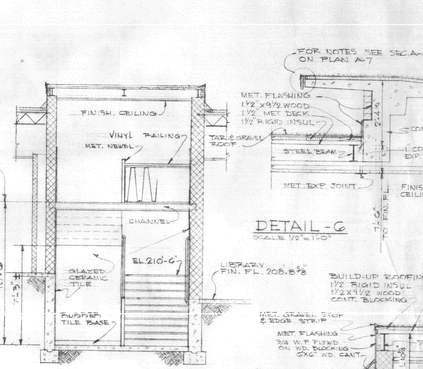
FIRST FLOOR



SECOND FLOOR



SECTION G-G



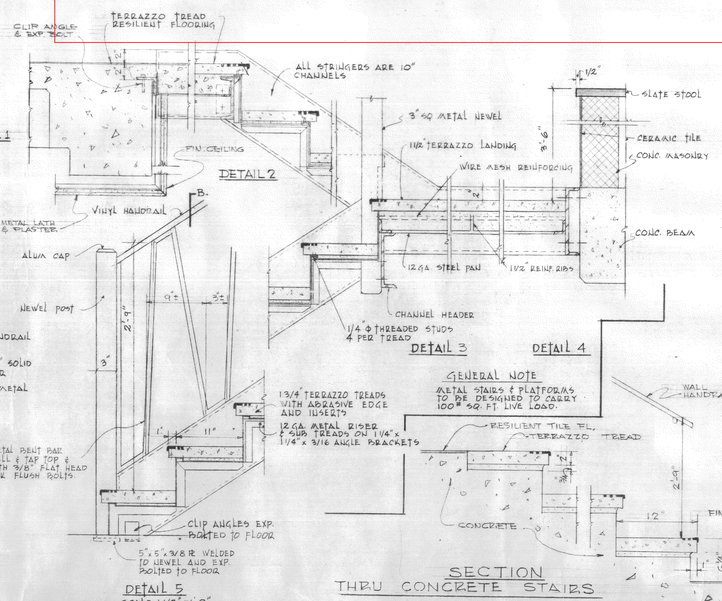
SECTION H-H

DETAIL-7

SCALE 1/2"=1'-0"

FLOOR PLANS & SECTIONS, STAIR # 2

SCALE 1/4"=1'-0"

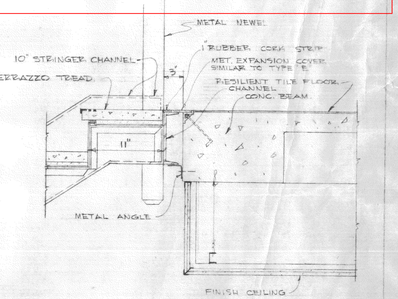


DETAIL 5

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

SECTION THRU CONCRETE STAIRS

SCALE 1/2"=1'-0"



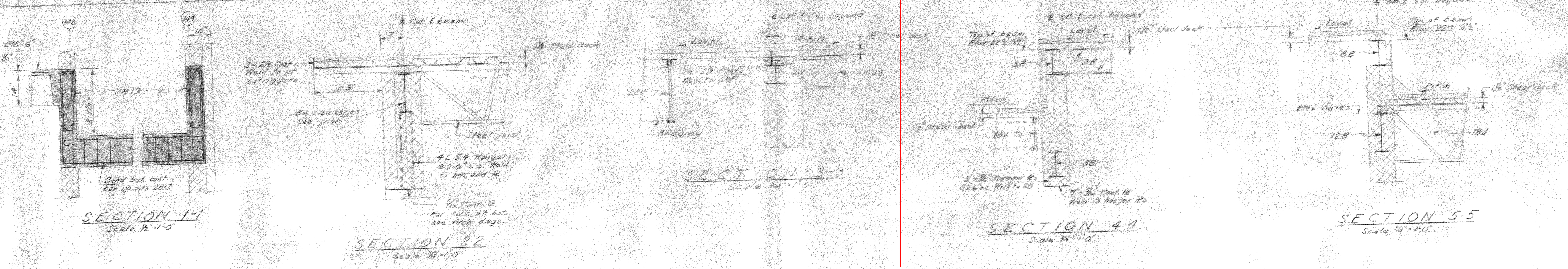
DETAIL - 8

SCALE 1½"=1'-0"

NORTH ROAD ELEMENTARY SCHOOL BEDFORD MASSACHUSETTS	Ys-9
STAIR & TOILET DETAILS	DATE / DESIGNED / DRAWN / CHECKED
KNIGHT BAGGE & ANDERSON ARCHITECTS BOSTON MASSACHUSETTS	PLAN No. A-8

REGISTERED ARCHITECTS HAROLD C. KNIGHT No. 134 BOSTON, MASS. COMMONWEALTH OF MASSACHUSETTS

SHEET No. 11 OF 27



BEAM SCHEDULE

NOTE: FOR ADDED TOP BARS, SEE PLAN. FOR TYPICAL BEAM DETAILS, SEE DWG. S-4

Mark	B×D	Reinforcing Bottom Cont.	Reinforcing Bottom Added	Reinforcing Top Cont.	Stirrups Type	Stirrups Size	Stirrups Space Ea. End	Remarks
2B-1	14×22	2-#9	1-#9	2-#6		#4	1@3, 6@6, 4@12, bal @18"	
2B-2	14×22	2-#8	1-#8	2-#6			1@3, 4@6, 4@12, bal. @18"	
2B-3	14×22	2-#6	1-#6	2-#6			1@3, 4@6, 2@12, bal. @18"	
2B-4	14×22	2-#10	1-#9	2-#6			1@3, 6@6, 4@12, bal @ 18"	Extend bot. cont. bars 3'-6" into 2B-2
2B-5	14×22	2-#7	1-#7	2-#6			1@3, 4@6, 2@12, bal. @18"	
2B-6 2B-6A	24×16½	2-#7	2-#6	2-#6			1@3, 8@6, 2@12, bal. @16"	2B-6A only. Extend Top & bot. cont. bars to cant & hook.
2B-7	24×16½	2-#8	2-#7	2-#6			1@3, 8@6, 2@12, bal. @16"	
2B-8	24×14½/16½	2-#7	2-#6	2-#6			1@3, 8@6, 2@12, bal. @16"	
2B-9	24×14½/16½	2-#8	2-#7	2-#6			1@3, 8@6, 2@12, bal @16"	Extend Top & bot. cont bars to cant. & hook.
2B-10	12×16½	2-#8	1-#8	2-#6			1@3, 8@6, 2@12, bal. @16"	
2B-11	14×20/22	2-#10	2-#9	2-#6			1@3, 2@6, 2@12, bal. @18"	
2B-12	15×10½	2-#6	1-#6	2-#6			1@6, bal. @12"	
2B-13	8×30	2-#9	2-#9 2nd layer	2-#7			1@3, 4@6, 2@12, bal. @18"	Lap top cont. bars 30φ with top cont. bars from 2B14
2B14	12×22	2-#8	—	3-#9			1@3, 4@6, 2@12, bal. @18"	Extend top cont. bars 8'-0" into adjacent beams.
2B15	12×22	2-#9	1-#9	2-#7			1@3, 4@6, 2@12, bal. @18"	Lap top cont. bars 30φ with top cont. bars from 2B14.
2B16	12×14	2-#8	1-#8	2-#6			1@3, 2@6, bal. @12"	See Section
2B17	24×16½	2-#8	2-#8	2-#6			1@2, 4@4, 4@8, 2@12, bal. @16"	

Mark	Width	Depth	Reinf. Ea. Rib	Remarks
R-1	5"	14"+2½"	1-#7 & 1-#6 Bot.	
R-2 R-2A	5"	8"+2½"	2-#4 Bot.	R-2A only. Provide tapered ends
R-3	10"	14+2½	2-#7 & 1-#8 Bot.	Add 2-#6 Top cont. Extend 2'-6" beyond interior support.
R-4	10"	8"+2½"	3-#4 Bot.	Provide tapered ends.
R-5	5"	14"+2½	2-#7 Bot.	
R-6	5"	12"+2½"	2-#8 Bot.	Provide 14" deep pans where not depressed.
R-7	10"	12"+2½"	3-#9 Bot.	Same remark as R-3 & R-6.
R-8	12"	14"+2½	3-#8 Bot.	Add 2-#6 Top cont. Lap with top bars in R-9. Provide tapered ends.
R-9	12	8"+2½"	3-#4 Bot.	Add 2-#6 Top cont. Lap with top cont bars in R-8, 2B-11 & 2B-16

LOW ROOF FRAMING PLAN PART I

Scale ⅛"=1'-0"

NOTES:
1. All steel beams shall be level unless otherwise noted on plan.
2. (+2½") Indicates beams supporting steel deck.

SECOND FLOOR FRAMING PLAN PART II

Scale ⅛"=1'-0"

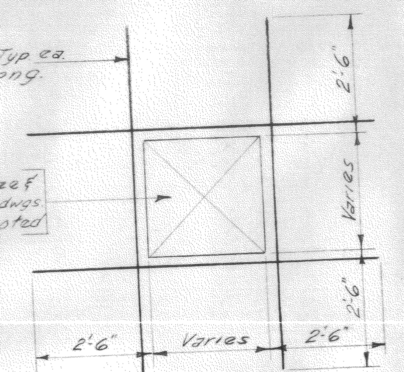
NOTES:
1. Mechanical trade contractors shall provide steel pipe sleeves as required thru beams. Maximum 2 sleeves per 20" pan. Corridor pans will line up with exterior pans where sleeves occur.

C. LAWSON DOANE #669 REGISTERED PROFESSIONAL ENGINEER — COMMONWEALTH OF MASSACHUSETTS

NORTH ROAD ELEMENTARY SCHOOL BEDFORD MASSACHUSETTS	Ys-9
	DATE
SECOND FLOOR & LOW ROOF FRAMING PLAN	DESIGNED J.T.Y.C. & J.A.D.
	DRAWN A.M.V.
	CHECKED J.T.Y.C.
KNIGHT BAGGE & ANDERSON ARCHITECTS BOSTON MASSACHUSETTS; CLEVERDON, VARNEY & PIKE ENGINEERS BOSTON MASSACHUSETTS	PLAN No. S-2

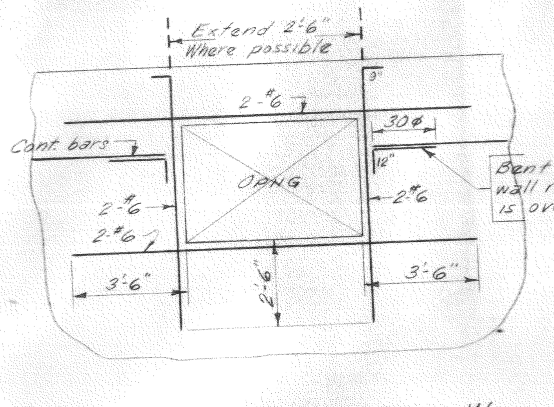
SHEET NO. 17 OF 27

TYPICAL REINF AROUND OPENINGS



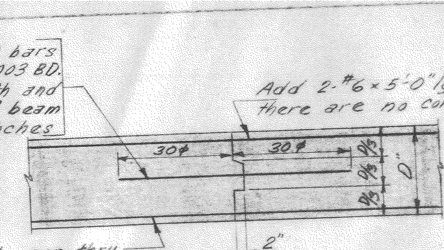
OPENING IN SLAB

Typical slab opening reinforcing unless otherwise shown on plans.



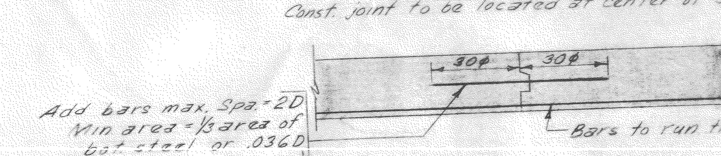
OPENING IN CONCRETE WALL

CONSTRUCTION JOINTS DETAILS



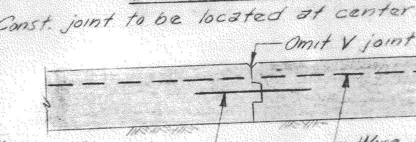
IN BEAM

Const. joint to be located at center of span.

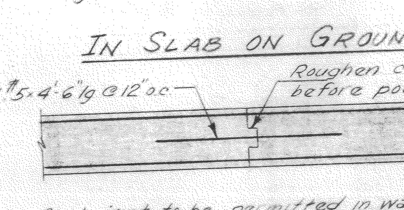


IN FRAMED SLAB

Const. joint to be located at center of span.



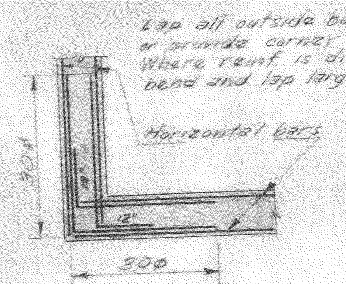
IN SLAB ON GROUND



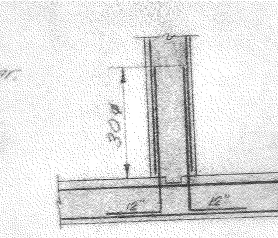
Const. joint to be permitted in wall at any point 4'-0" min. away from openings or from ℄ of columns.

PLAN OF VERT. CONST. JOINT IN WALL

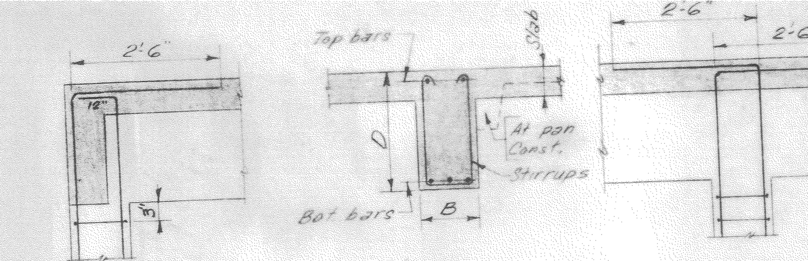
TYPICAL WALL REINF. DETAILS



CORNER DETAIL PLAN

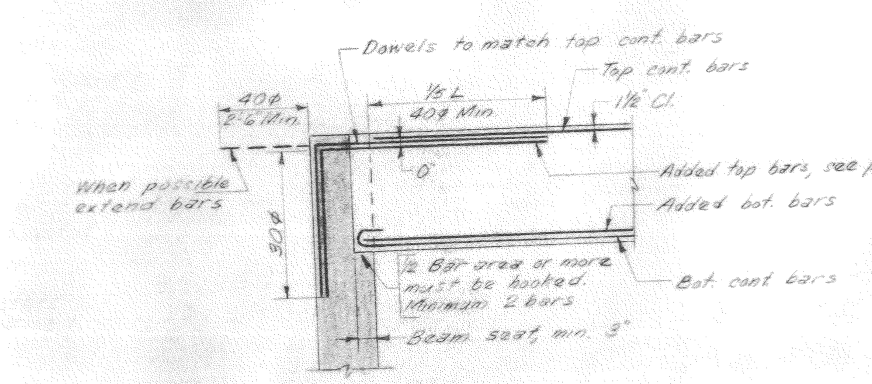


INTERSECTION OF WALL PLAN

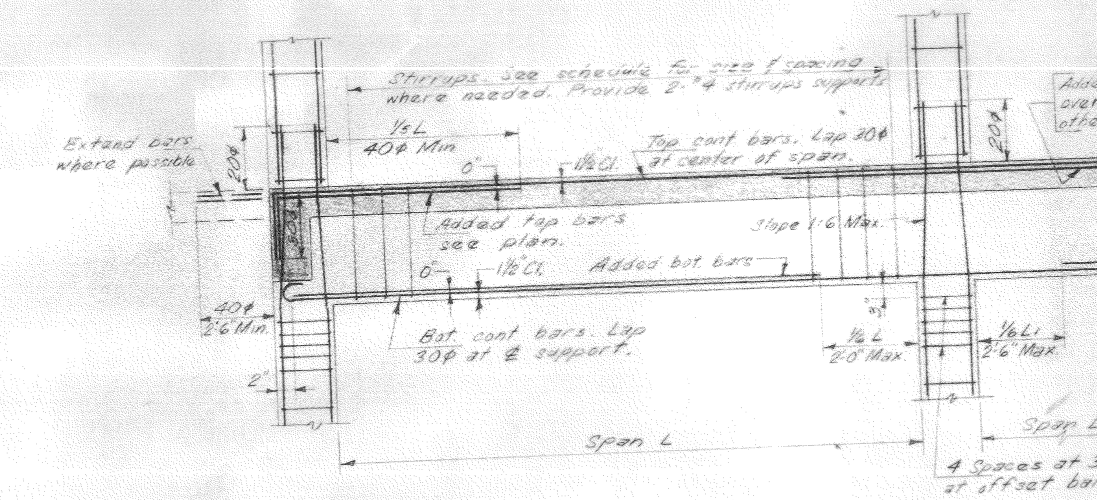


NON CONT. END — TYPICAL SECTION THRU CONC BEAM — CONT. END

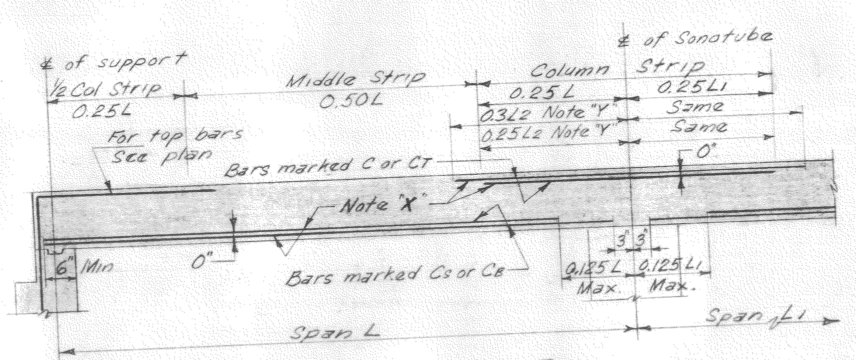
TYPICAL BEAM DETAIL AT CONC. WALLS



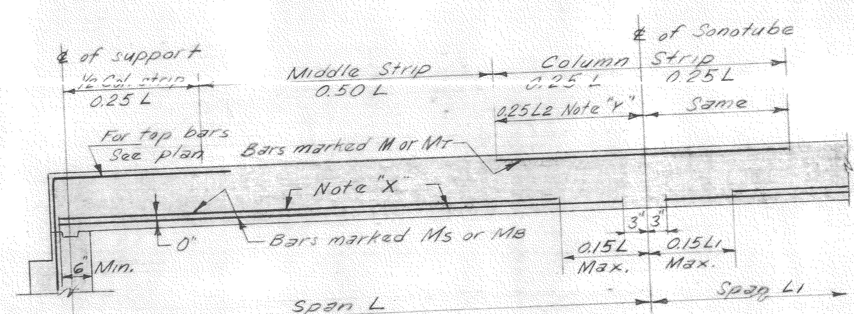
TYPICAL BEAM AND COLUMN DETAILS



TYPICAL FLAT SLAB DETAILS



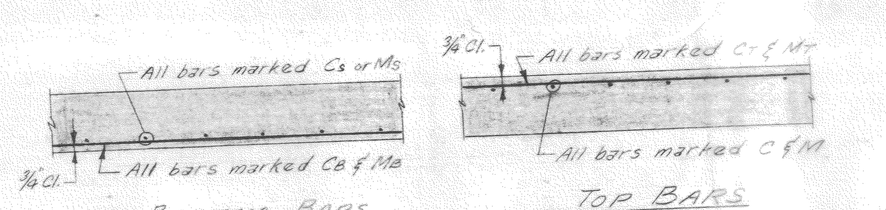
COLUMN STRIP



MIDDLE STRIP

Note "X": Alternate long and short bars. 1/2 or more of the bars in each strip to be long bars.

Note "Y": Minimum of 4'-0" for #7 bars; 3'-6" for #6; 3'-0" for #5; & 2'-6" for #4 bars. Each side of ℄ of column strip.



BOTTOM BARS — TOP BARS

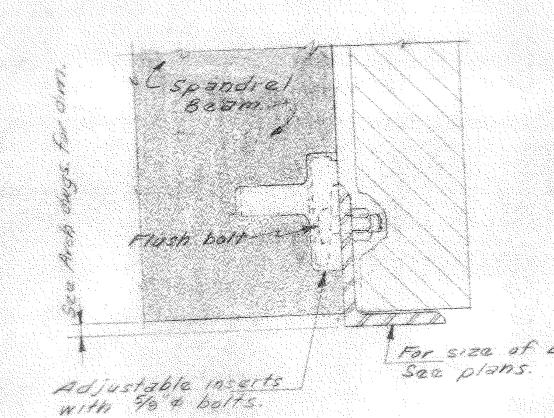
DETAIL SHOWING CONCRETE COVER ON BARS IN FLAT SLAB

NOTE:
Suffix "B" indicates bars in bottom layer of bottom steel.
Suffix "S" indicates bars in top layer of bottom steel.
Suffix "T" indicates bars in top layer of top steel.

PROCEDURE FOR PLACING REINF. STEEL

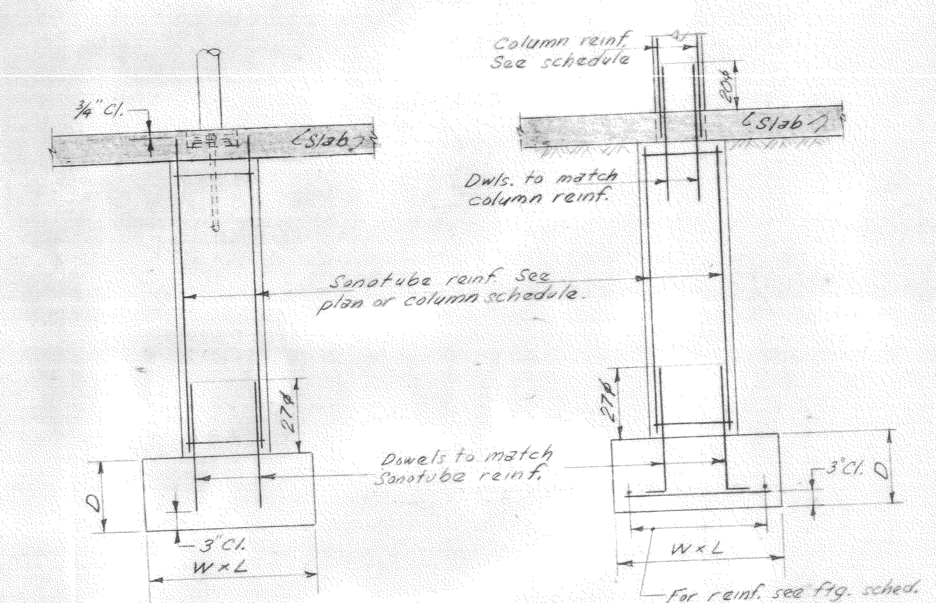
1. Place bars marked CB in Column strips Bottom Lower layer.
2. Place bars marked MB in Middle strips Bottom Lower layer.
3. Place bars marked Cs in Column strips Bottom Upper layer.
4. Place bars marked Ms in Middle strips Bottom Upper layer.
5. Place bars marked C in Column strips Top Lower layer.
6. Place bars marked M in Middle strips Top Lower layer.
7. Place bars marked MT in Middle strips Top Upper layer.
8. Place bars marked CT in Column strips Top Upper layer.

TYPICAL DETAIL OF ATTACHED LINTEL



Provide attached lintels in exterior walls over all window openings at spandrel beams. Lintel angles shall have 2" × 11/16" horizontal slotted holes in vertical leg for horizontal adjustment.
Inserts to support lintels shall be spaced not over 4'-0" o.c. and the distance from the end of the angle to the first insert shall not exceed 6" Length of lintels to be 1/2" less than brick opening.
Punch angle as required for sash clips.

TYPICAL SONOTUBE AND FOOTING DETAIL



STEEL JOIST NOTES

1. Joists shall be designed in accordance with the Steel Joist Institute and shall be fabricated by an approved manufacturer.
2. Joists shall have a minimum bearing of 3" on steel and must project at least 1" beyond web of beam.
3. Joists shall be based on 22,000 p.s.i. fiber stress, according to manufacturer's rating and shall be spaced as noted on drawings.
4. Each joist bearing on steel shall be welded thereto.
5. End joists shall be anchored to wall or beams at top and bottom chords with lateral anchors at ends of bridging lines.
6. Joists shall be bridged with an approved form of rigid bridging at intervals of not more than 7'-0".
7. Ceiling extensions shall be furnished as required.
8. End joists shall be anchored to walls with top lateral anchors not over 4'-0" o.c. as well as tied at ends of rows of bridging.
9. The Contractor shall submit checked drawings in triplicate showing the location of all joists, and the required details for proper installation.

irrespective of any ... bearing assumed at 4 tons per square foot. Exterior footings shall ...
2. No footing shall be placed on frozen soil. Exterior footings shall ... be less than 4'-0" below finish grade.
3. Minimum reinforcing of any foundation wall, except as noted, to be 4-#6 ... top and 2 bottom, continuous. Provide corner bars and dowels into adjacent walls.
4. Design Live Loads:
   a. Roofs — 40 p.s.f.
   b. Corridors & kitchen — 100 p.s.f.
   c. Classrooms — 50 p.s.f.
   d. Storage Rooms — 125 p.s.f.
   e. Stairs — 100 p.s.f.
5. The contractor shall verify all dimensions and locations of all slots, pipe sleeves, anchor bolts, etc., as required for the mechanical trades before concrete is poured.

CONCRETE NOTES

1. Concrete work shall conform to the Bedford Code and the A.C.I. Code.
2. Concrete Mixes:
   a. All walls, footings, slabs on ground, and sonotubes, fc = 2500 p.s.i. 28 days.
   b. All framed slabs, beams and columns, fc = 3000 p.s.i. at 28 days.
3. Reinforcement shall be standard deformed ASTM A-305 bars, fs = 20,000 p.s.i.
4. a. Provide #4 @ 15" temperature bars in bottom of all one-way reinforced slabs, unless otherwise noted.
   b. All slabs poured on ground shall be reinforced with welded wire mesh 6×6-#10/10. Mesh to be lapped 3" on sides and on ends.
5. Clear Concrete Protection:
   a. Slabs 3/4" (if exposed or poured on dry fill) - 1 1/2".
   b. Beam bottoms and sides, columns and sonotubes - 1 1/2".
   c. Footings and walls on side poured against earth or water, - ... against forms and weather - 2".
   d. Reinforcement in opposite side from earth (inside) - 1 1/2".
6. Construction joints shall be keyed and shall be approximately 6... apart maximum in either direction and at mid-spans.
7. All slabs on ground shall be poured in alternate panels not to exceed 1,000 square feet.
8. Provide bar supports, spacers and accessories recommended by A.C.I. Detailing Manual. All detailing not covered by these drawings or these notes, shall be in accordance with this same Manual.
9. All continuous reinforcing bars shall be lapped 30 diameters at splices and at corners unless otherwise shown. Terminate continuous bars at non-continuous ends with standard hooks. Lap continuous top bars at center between supports and bottom bars at supports as required.
10. All beams and slabs to be poured monolithically and keyed as noted.
11. All footing keys to be 2×4" (nominal) with beveled sides unless otherwise shown.
12. All slabs shown keyed or seated shall have 2" (nominal) seat unless otherwise shown.
13. Concrete bases with anchor bolts shall be provided for all mechanical equipment where required.
14. Contractor shall submit checked shop drawings and placing plans in triplicate for all reinforcement and shall receive the written approval of the Architect before fabrication.
15. Provide 3/4" chamfer on all exposed corners of beams and columns.

CONCRETE RIB CONSTRUCTION

1. Depth of rib construction shall be as noted on drawings.
2. Pans shall be removable type. Furnish end caps.
3. Typical ribs 5" wide, pan 20".
4. Special ribs - Location to be determined by partition centers. Minimum widths as noted on schedules.
5. Bridging ribs to be 5" wide, 1-#5 top and bottom continuous.
6. Provide 1-#3 in topping over ℄ of each pan full length of rib and #3 @ 18" o.c. continuous top perpendicular to all ribs.
7. Extreme care shall be taken to provide adequate vibration of concrete in ribs.
8. End tapers shall be furnished where noted on Rib schedules.
9. The contractor shall submit pan layout to Architect for approval. This layout shall be prepared well in advance to insure time for checking and fabrication of reinforcing steel for ribs.

STRUCTURAL STEEL NOTES

1. All structural steel shall be detailed in accordance with the latest Manual of the A.I.S.C. and American Welding Society. Fy = 36,000 p.s.i.
2. a. Shop connections may be welded or riveted.
   b. Field connections may be made with unfinished bolts.
3. All rivets and bolts shall be 3/4"φ minimum (holes 1/16" larger).
4. Welding shall be done by an approved certified welder.
5. All steel to be encased in concrete or covered with mastic shall not be painted.
6. Minimum bearing for beams shall be generally 8", angle lintels 6".
7. Angle lintels over all grilles, doors, ducts and similar openings in partitions not shown on structural drawings, shall be furnished under Miscellaneous Iron.
8. Provide 11/16"φ holes (2'-6" o.c., staggered) as required for blocking or spiking pieces.
9. Punch lintel angles for fastening sash as necessary according to manufacture's drawings.
10. Columns marked "Lally" shall be Genuine Lally Columns with standard caps and bases and through web plates as called for.
11. All exterior beams and columns encased in masonry shall be covered with mastic asphalt or pitch 1/8" thick.
12. All field welding shall be by General contractor.
13. The contractor shall submit checked drawings in triplicate showing all shop and field connections for all structural steel and shall receive the written approval of the Architect before fabrication.

COLUMN SCHEDULE PART I

Story levels: High Roof; Low Roof; Floor Elev. 210'-3"; Floor Elev. 208'-8 5/8"; Floor Elev. 207'-2 1/4"; Floor Elev. 205'-7 7/8". All columns carry Bm. at top.

Col. No.	Column	Dimensions	Bearing	Base Plates
1, 2, 3, 4, 14	4"×4"×1/4"×26#/1 R.S. Lally col.	6 7/8"	Wall	5"×1"×0'-10"; 8"×3/4"×0'-8" for col. 1
5, 8, 9, 15, 28, 38, 39, 41, 60, 73, 74, 75	4"×4"×1/4"×26#/1 R.S. Lally col.	5" for 15 only; 7" for 28, 38 & 39; 3"; 4 1/4" for 73, 74 & 75	Wall	5"×1"×0'-10"
6	4"×4"×1/4"×26#/1 R.S. Lally col.	3"	Wall	5"×1"×0'-10"
7, 10, 11, 12 & 13	4"×4"×1/4"×26#/1 R.S. Lally col.	3"	Wall	5"×1"×0'-10"
16, 17, 18, 70 & 71	4"φ S.H.W. Lally col.	5" for 16 & 17; 3"	Wall	5"×1"×0'-10"
19, 23, 24, 35, 61, 62, 63, 64, 65, 66, 29 & 30	4"φ S.H.W. Lally col.	1" for 29 & 30; 3"	Sonotube	9"×3/4"×0'-9"; 5"×1"×0'-10" for cols. 29 & 30
20 & 21	4"φ X.H.W. Lally col.	3/4" for 21; 3"	Sonotube	9"×3/4"×0'-9"
22 & 25	4"φ X.H.W. Lally col.	3" for 25; 12"	Sonotube	9"×3/4"×0'-9"
26 & 36	4"×4"×1/4"×26#/1 R.S. Lally col.	3" for 26; 3"	Sonotube	9"×3/4"×0'-9"
27 & 37	4"×4"×1/4"×26#/1 R.S. Lally col.	10 7/8"	Wall	5"×1"×0'-10"
31, 46, 47	8WF28	7"	Wall	8"×1 1/2"×1'-2"; 8"×1/2"×0'-10" for col. 31
32, 33, 49, 50, 51, 52, 53 & 54	8WF24	5 7/8" for 33, 52 & 53; 3"	Wall or Sonotube	8"×1/2"×0'-8"
40, 42, 43, 44, 45, 58, 59, 67, 68, 69, 72, 76, 77	4WF13	7" for col. 40; 1 3/4" for col. 45; 3"; 5" for 42 & 44	Wall	5"×1"×0'-10"; 8"×3/4"×0'-8" for col. 77
34, 55, 56, 57	8WF28	5 7/8"	Sonotube	11"×1"×0'-11"; 8"×1/2"×0'-8" for cols. 34 & 57
48	8WF31	3"	Wall	8"×1/2"×0'-8"

NOTES:
1. Provide 1" Grout under all column base plates.
2. Provide 2-3/4"φ × 1'-6" long anchor bolts for all columns.
3. Provide 1/2" thick cap plates where required.
4. Provide 3/8" thick plate stiffeners on all beam bearing on columns.
5. Dimensions given are to bottom of base plates.

COLUMN SCHEDULE PART II

Story	101	102 thru 112, 139 thru 148, 124	114 & 126	115	116, 127, 136	117 thru 123, 128 thru 135	125 & 137	149 & 150	138	113
H.P. Roof Elev. 226'-4 3/4"	12"×14" 4-#6; 4-#6 Dwls 2'-0" 2'-0"	12"×14" 4-#6	8"×16" 6-#6 #3 ties @ 8"; 6-#6 Dwls 2'-0"	12"×14" 4-#6	12"×14" 4-#6	12"×14" 4-#6	12"×12" 4-#6	12"×14" 4-#6	8"×14" 6-#6; 6-#6 Dwls 2'-0" 2'-0"	12"×14" 4-#6
2nd Floor Elev. 215'-6"	Wall	12"×14" 4-#9	Wall 7'-0"	12"×16" 6-#10 #3 ties @ 12"	12"×14" 4-#11	12"×14" 4-#10	12"×12" 4-#10	12"×36" 8-#7 #3 ties @ 12"	Wall	12"×14" 4-#9
1st Floor Elev. 205'-0"		Pilaster 4-#9		22"φ 6-#10 #3 spiral @ 12"	22"φ 6-#11 #3 spiral @ 12"	22"φ 6-#10 #3 spiral @ 12"	Pilaster 4-#10	Pilaster 8-#7 #3 ties @ 12"		Elev. 200'-2 1/4" Pilaster 4-#9
Footing										

NOTES:
1. Provide #3 ties @ 12" o.c. in all columns and pilasters unless otherwise noted in column schedule.
2. All column and pilaster reinforcing shall be hard grade steel fs = 20,000 p.s.i.
3. Provide steel pipe sleeves thru columns as required for mechanical trades.

NORTH ROAD ELEMENTARY SCHOOL
BEDFORD MASSACHUSETTS

YS-9

COLUMN SCHEDULE & TYPICAL DETAILS

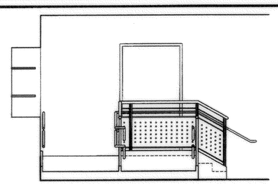
DESIGNED J.T.Y.C. & J.A.D.
DRAWN A.M.V.
CHECKED J.T.Y.C.

KNIGHT BAGGE & ANDERSON ARCHITECTS, BOSTON, MASSACHUSETTS
CLEVERDON, VARNEY & PIKE ENGINEERS, BOSTON, MASSACHUSETTS

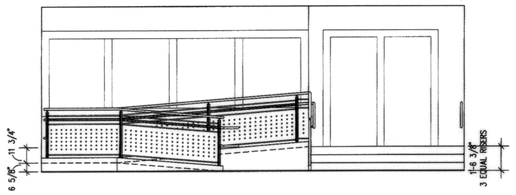
COMMONWEALTH OF MASSACHUSETTS — C. LAWSON DOANE #669 — REGISTERED PROFESSIONAL ENGINEER

PLAN No. S-4

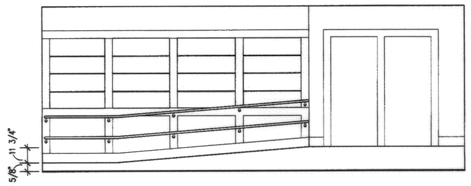
SHEET NO. 19 OF 27



18 A7.2 LIBRARY RAMP LANDING SECTION
SCALE: 1/4" = 1'-0"



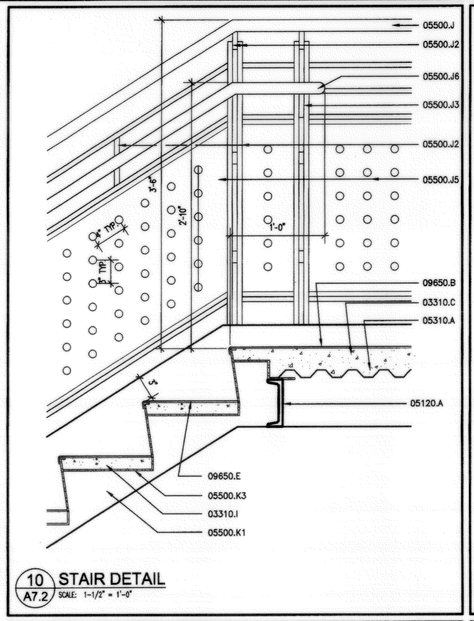
17 A7.2 LIBRARY RAMP ELEVATION
SCALE: 1/4" = 1'-0"



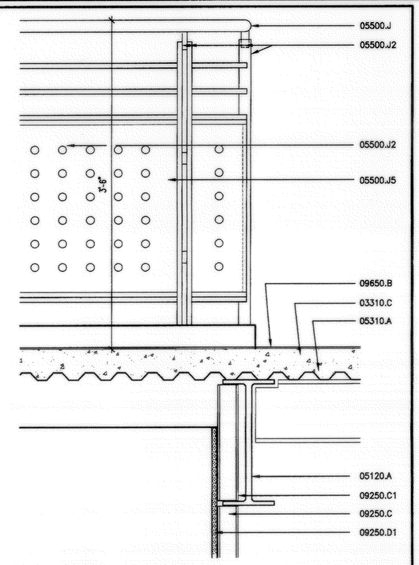
16 A7.2 LIBRARY RAMP SECTION
SCALE: 1/4" = 1'-0"

DETAILS SIM. TO 5-10/A7.2

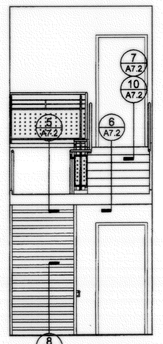
15 A7.2 ENLARGED LIBRARY STAIR AND RAMP PLAN
SCALE: 1/4" = 1'-0"



10 A7.2 STAIR DETAIL
SCALE: 1-1/2" = 1'-0"



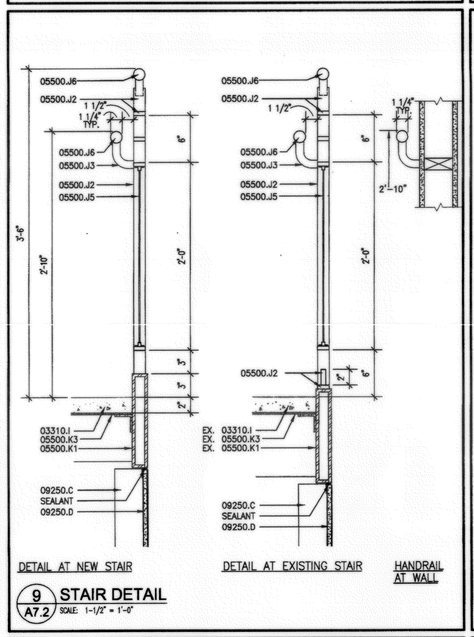
7 A7.2 STAIR DETAIL
SCALE: 1-1/2" = 1'-0"



4 A7.2 STAIR #1 SECTION
SCALE: 1/4" = 1'-0"

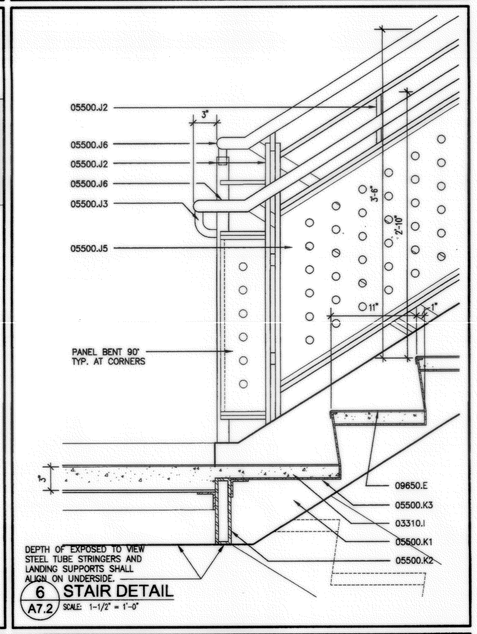
KEYNOTES:

03310.C	CONCRETE SLAB
03310.I	CONCRETE FILL FOR STAIR AND LANDING PANS
05120.A	STRUCTURAL STEEL
05310.A	STEEL DECK
05500.J	STEEL STAIR RAILING ASSEMBLY
05500.J2	2 FLAT BAR POSTS, 5/8" x 1 1/2"
05500.J3	RAIL WALL BRACKET
05500.J5	PERFORATED STEEL BALUSTRADE PANEL
05500.J6	STAINLESS STEEL HANDRAIL
05500.K1	STEEL STAIR CHANNEL STRINGER
05500.K2	STEEL STAIR TUBE STRINGER
05500.K3	STEEL PAN TREAD AND RISER
09250.C	STEEL STUD
09250.C1	STEEL TRACK OR RUNNER
09250.D	GYPSUM BOARD, 5/8" U.O.N.
09250.D1	MOISTURE RESISTANT GYPSUM BOARD
09650.B	ACOUSTICAL RUBBER FLOORING
09650.E	RUBBER TREADS

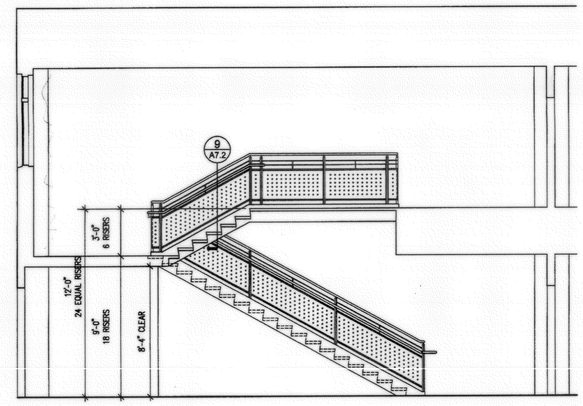


DETAIL AT NEW STAIR DETAIL AT EXISTING STAIR HANDRAIL AT WALL

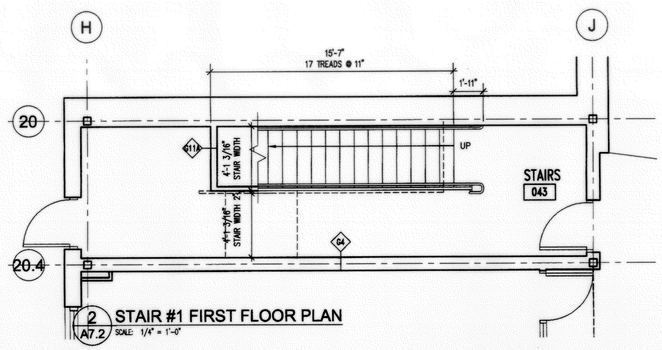
9 A7.2 STAIR DETAIL
SCALE: 1-1/2" = 1'-0"



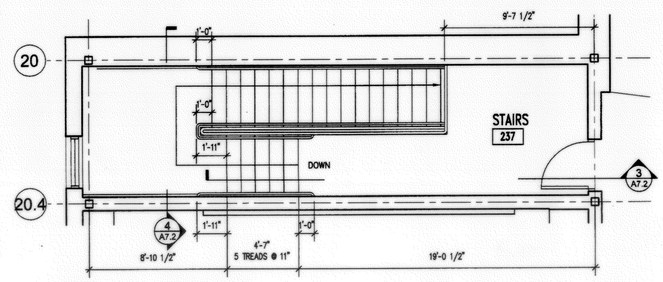
6 A7.2 STAIR DETAIL
SCALE: 1-1/2" = 1'-0"



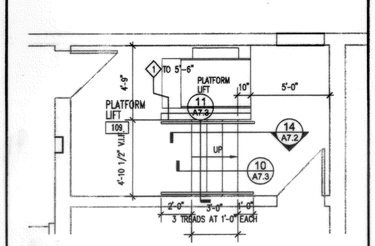
3 A7.2 STAIR #1 SECTION
SCALE: 1/4" = 1'-0"



2 A7.2 STAIR #1 FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

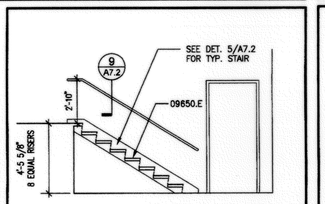


1 A7.2 STAIR #1 SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

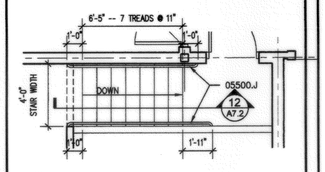


14 A7.2 PLATFORM LIFT 109 STAIR SECTION
SCALE: 1/4" = 1'-0"

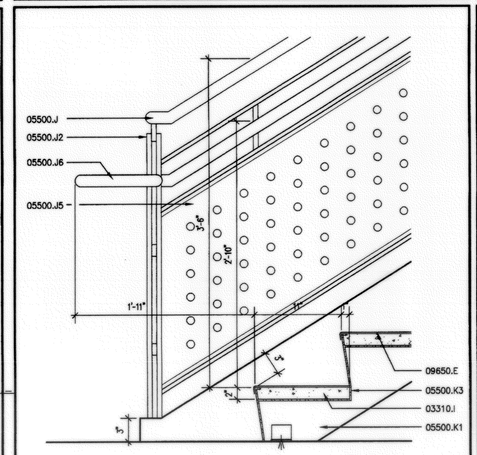
13 A7.2 PLATFORM LIFT 109 PLAN
SCALE: 1/4" = 1'-0"



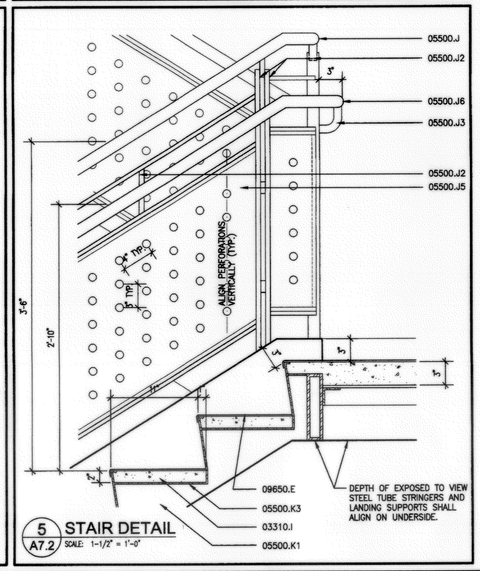
12 A7.2 STAIR #4 SECTION
SCALE: 1/4" = 1'-0"



11 A7.2 STAIR #4 PLAN
SCALE: 1/4" = 1'-0"



8 A7.2 STAIR DETAIL
SCALE: 1-1/2" = 1'-0"



5 A7.2 STAIR DETAIL
SCALE: 1-1/2" = 1'-0"

"AS BUILT"
6.30.01

SMMA
Symmes, Maini & McKee Associates
1000 Massachusetts Avenue
Cambridge, Massachusetts 02138
617.547.5400 Fax 617.354.5758

OWNER REVIEW

NAME	DATE

NO.	DATE	DESCRIPTION
0	4-6-99	ISSUE FOR CONST.

ISSUE LOG
△ = CLOUDED CHANGE

Lt. Job Lane Elementary School
Additions & Renovations
Bedford, MA

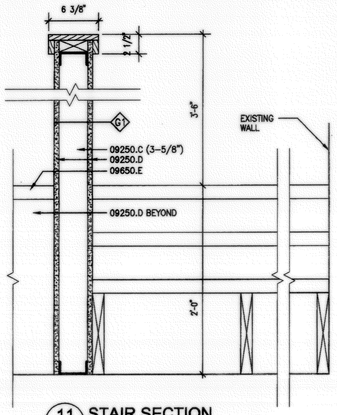
ENLARGED STAIR PLANS, SECTIONS & DETAILS

SCALE	AS NOTED
DRAWN BY	JMB
CHECKED BY	
PROJ. ARCH. / ENGR.	SEM
PROJ. MGR.	JGS
JOB NO.	98054.00

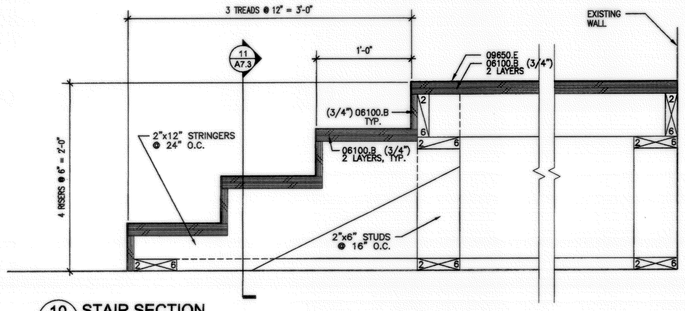
© SYMMES, MAINI & MCKEE ASSOCIATES, INC. 1999

A7.2

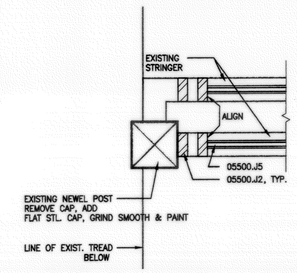
P:\1998\98054\DWG\A\AS\8054A7-2.DWG 4-5-99 2:37:04 pm EST



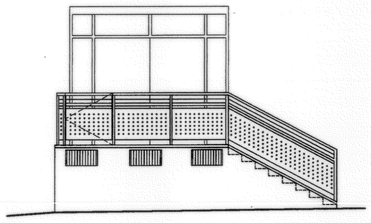
11 A7.3 STAIR SECTION
SCALE: 1-1/2" = 1'-0"



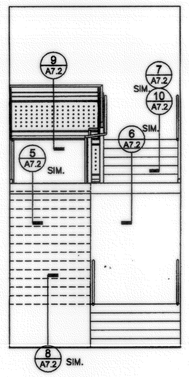
10 A7.3 STAIR SECTION
SCALE: 1-1/2" = 1'-0"



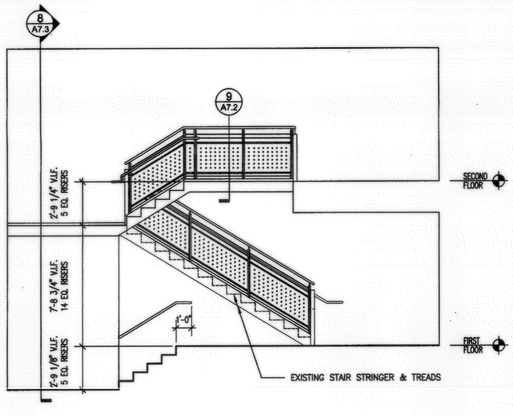
9 A7.3 STAIR #3 PLAN DETAIL
SCALE: 3" = 1'-0"



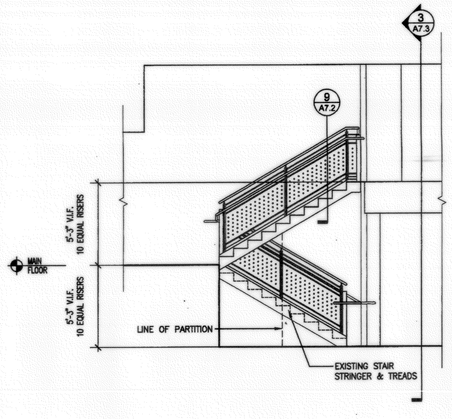
13 A7.3 STAIR #5 ELEVATION
SCALE: 1/4" = 1'-0"



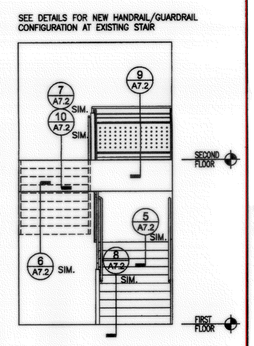
8 A7.3 STAIR #2 SECTION
SCALE: 1/4" = 1'-0"



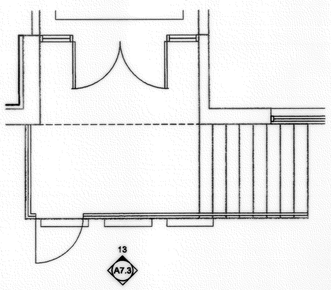
7 A7.3 STAIR #2 SECTION
SCALE: 1/4" = 1'-0"



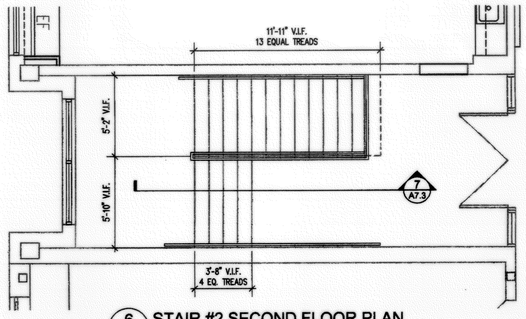
4 A7.3 STAIR #3 SECTION
SCALE: 1/4" = 1'-0"



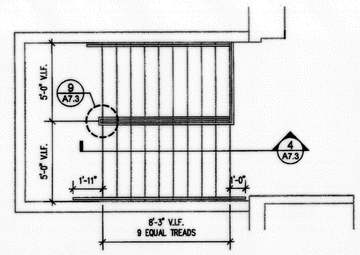
3 A7.3 STAIR #3 SECTION
SCALE: 1/4" = 1'-0"



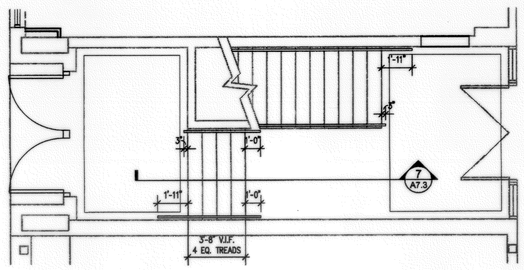
12 A7.3 STAIR #5 PLAN
SCALE: 1/4" = 1'-0"



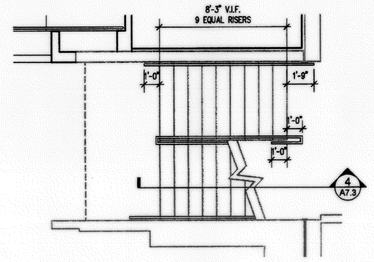
6 A7.3 STAIR #2 SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 A7.3 STAIR #3 SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"



5 A7.3 STAIR #2 FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



1 A7.3 STAIR #3 FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

KEYNOTES:

05500.J2	FLAT BAR POST, 5/8" x 1 1/2"
05500.J5	PERFORATED STEEL INFILL PANEL
06100.B	PLYWOOD
09250.C	STEEL STUD
09250.D	GYPSUM BOARD, 5/8" U.O.N.
09650.E	RUBBER STAIR COVERING

"AS BUILT"
6.30.01

SMMA
Symmes, Maini & McKee Associates
1000 Massachusetts Avenue
Cambridge, Massachusetts 02138
617.547.5400 Fax 617.354.5758

OWNER REVIEW

NAME	DATE

NO.	DATE	DESCRIPTION
0	4-6-99	ISSUE FOR CONST.

ISSUE LOG
△ = CLOUDED CHANGE

Lt. Job Lane Elementary School
Additions & Renovations
Bedford, MA

ENLARGED STAIR PLANS, SECTIONS & DETAILS

SCALE	AS NOTED
DRAWN BY	JMB
CHECKED BY	
PROJ. ARCH. / ENGR.	SEM
PROJ. MGR.	JGS
JOB NO.	98054.00

© SYMMES, MAINI & MCKEE ASSOCIATES, INC. 1998

A7.3