ADDITIONS & RENOVATIONS

TO THE

J. V. FLETCHER LIBRARY

WESTFORD MASSACHUSETTS

Hill & Associates Inc.
Cambridge, Mass.

Architects

Souza & True
Cambridge, Mass.

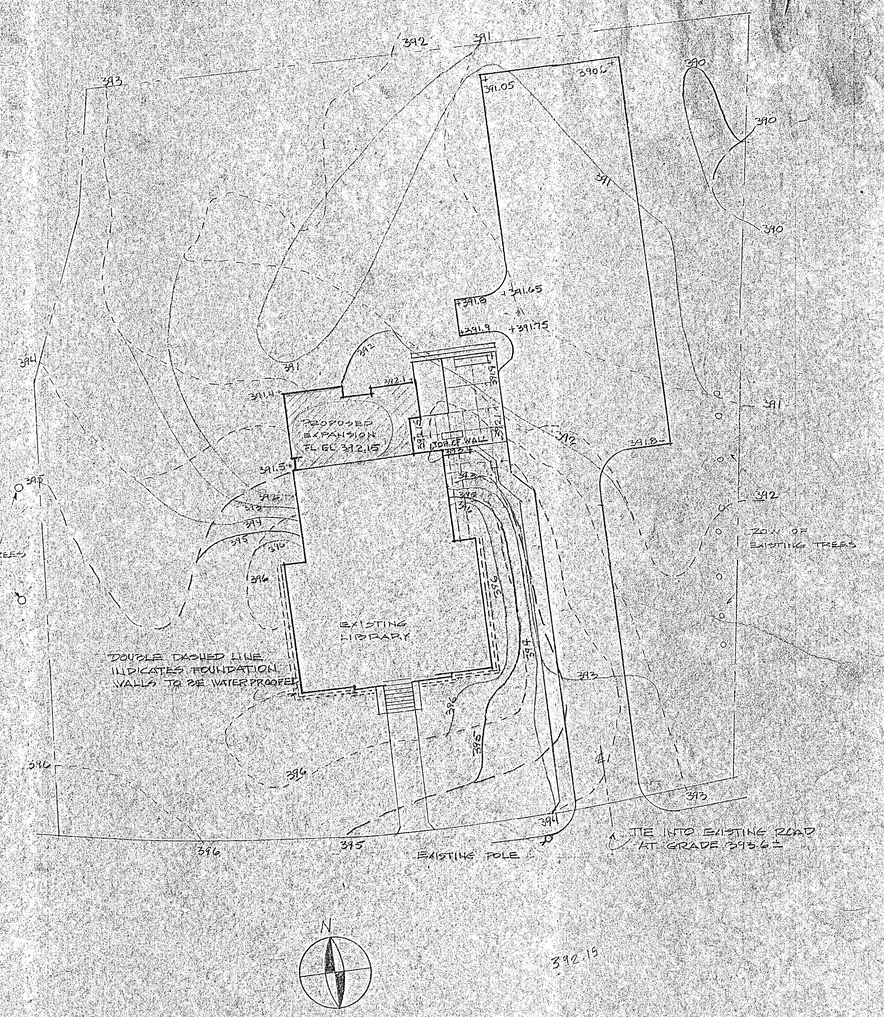
Structural Engineers

R. G. Vanderweil Engineers
Boston, Mass.

Mech. & Elec. Engineers

Jeffrey H. Gilbert
Cambridge, Mass.

Landscape Architect



LIST OF DRAWINGS

L-1	GRADING PLAN	A-6	WEST ELEVATION	S-1	STRUCTURAL PLANS & DETAILS
L-2	LAYOUT PLAN & CONSTRUCTION DETAILS	A-7	EAST ELEVATION		
L-3	PLANTING PLAN	A-8	SOUTH ELEVATION - ALUMINUM WINDOW & WATERPROOFING DETAILS	P-1	PLUMBING LAYOUT & DETAILS
		A-9	SECTION & DETAILS OF NEW CONSTRUCTION	HV-1	HEATING LAYOUT & DETAILS
A-1	LOWER FLOOR PLAN	A-10	LOWER LEVEL REFLECTED CEILING PLAN		
A-2	FIRST FLR. PLAN - LOWER ROOF PLAN	A-11	UPPER BOOKSTACK FLOORING & CEILING PLAN	E-1	ELECTRICAL PLAN - BASEMENT
A-3	UPPER BOOKSTACK PLAN	A-12	SECTIONS THRU ELEVATOR HOISTWAY	E-2	" " FIRST FLOOR
A-4	SECOND FLR. PLAN - ELEVATOR DETAILS	A-13	RM. FINISH SCHEDULE - DOOR & FRAME SCHEDULE & DETAILS	E-3	" " SECOND FLOOR
A-5	NORTH ELEVATION - WINDOW & FLASHING STL.			E-4	" " UPPER STACK

J.V. Fletcher Library – Westford, Massachusetts

GRADING PLAN

scale	date	job no.	drawn	checked
1" = 20'-0"	28 FEB. '63		JHG	JSF

L-1

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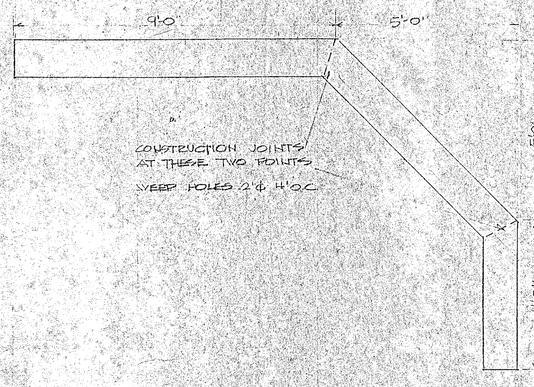
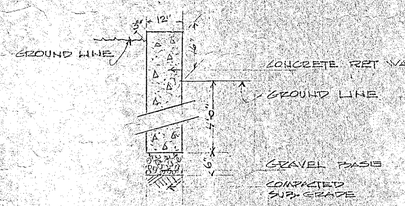
16 Eliot Street, Cambridge, Massachusetts 02138

DETAIL - CONCRETE PAVING
SCALE 1"=1'-0"

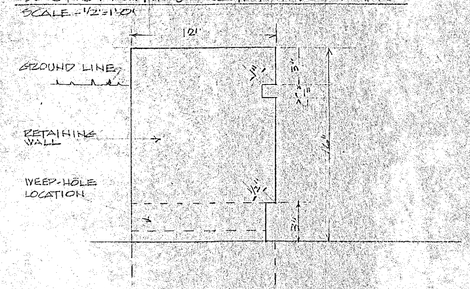
DETAIL - ASPHALT PAVING
SCALE: 1"=1'-0"



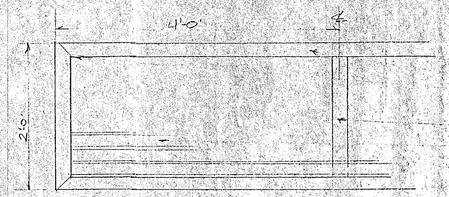
PLAN - RETAINING WALL
SCALE - 1/2"=1'-0"



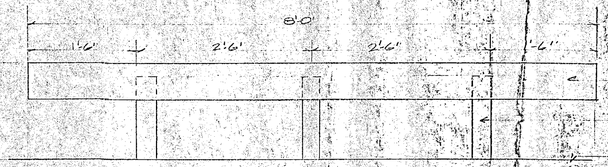
SECTION THRU RETAINING WALL
SCALE - 1/2"=1'-0"



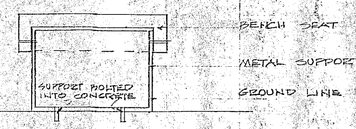
DETAIL - RETAINING WALL FACE
SCALE - 1"=1'-0"



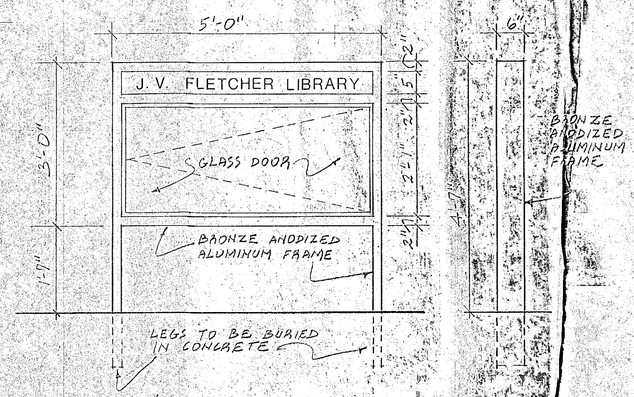
PLAN - BENCH SEAT
SCALE - 1"=1'-0"



ELEVATION - BENCH
SCALE - 1"=1'-0"



SECTION THRU BENCH
SCALE - 1"=1'-0"



FRONT & SIDE ELEVATIONS OF DISPLAY CASE SCALE: 3/4"=1'-0"

2"x4" FRAME
METAL BRACES AT ALL CORNERS
12"x14" BRACE
2"x2" BENCH SEAT
1/4"-1/8" STAGLE
ALL CONNECTIONS SCREWED AND COUNTERSUNK

BENCH SEAT
1/4"x3" METAL SUPPORT BOLTED TO BENCH SEAT AND CONCRETE
GROUND LINE

EXISTING TREES

LAYOUT PLAN SCALE: 1"=20'-0"

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LAYOUT PLAN & CONSTRUCTION DETAILS					L-2
scale As Noted	date	job no.	drawn	checked	

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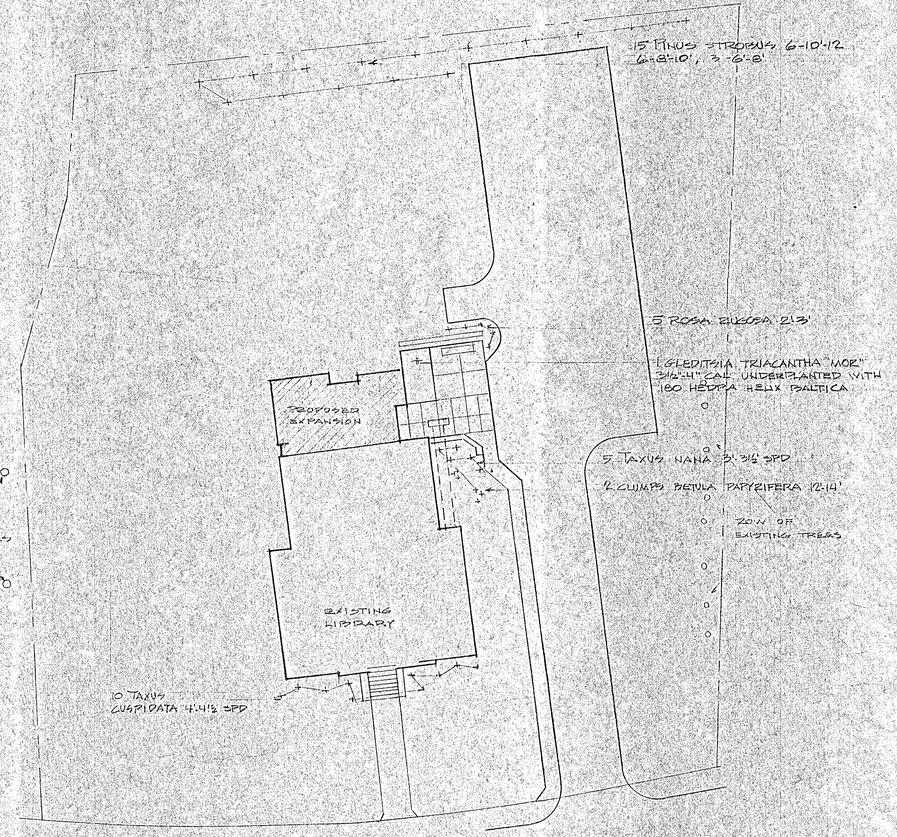
REGISTERED ARCHITECT WALTER L. HILL No. 1330 BOSTON, MASS. COMMONWEALTH OF MASSACHUSETTS

PLANT LIST

QUANTITY	LATIN NAME	COMMON NAME	SIZE	ROOT	REMARKS
2	BETULA PAPYRIFERA	WHITE BIRCH	12'-14'	B&B	3 STEM CLUMPS
1	GLEDITSIA TRIACANTHA INERMIS	THORNLESS HONEYLOCUST	3½"-4" CAL	B&B	BRANCHING 7' ABOVE GROUND
180	HEDERA HELIX BALTICA	BALTIC IVY	2 YR.		3-12' RUNNERS
3	PINUS STROBUS	WHITE PINE	6'-8'	B&B	
4	PINUS STROBUS	WHITE PINE	8'-10'	B&B	
6	PINUS STROBUS	WHITE PINE	10-12'	B&B	
5	ROSA RUGOSA	PRAIRIE ROSE	2-3'	B.R.	
10	TAXUS CUSPIDATA	SPREADING TAXUS	4'-4½' SPD	B&B	
7	TAXUS NANA	TAXUS VAR.	3'-3½' SPD.	B&B	



EXISTING TREES

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REGISTERED ARCHITECT WALTER L. HILL No. 1330 LINCOLN, MASS. COMMONWEALTH OF MASSACHUSETTS

PLANTING PLAN

scale	date	job no.	drawn	checked
1/16" = 20'-0"	11/13/68			

L-3

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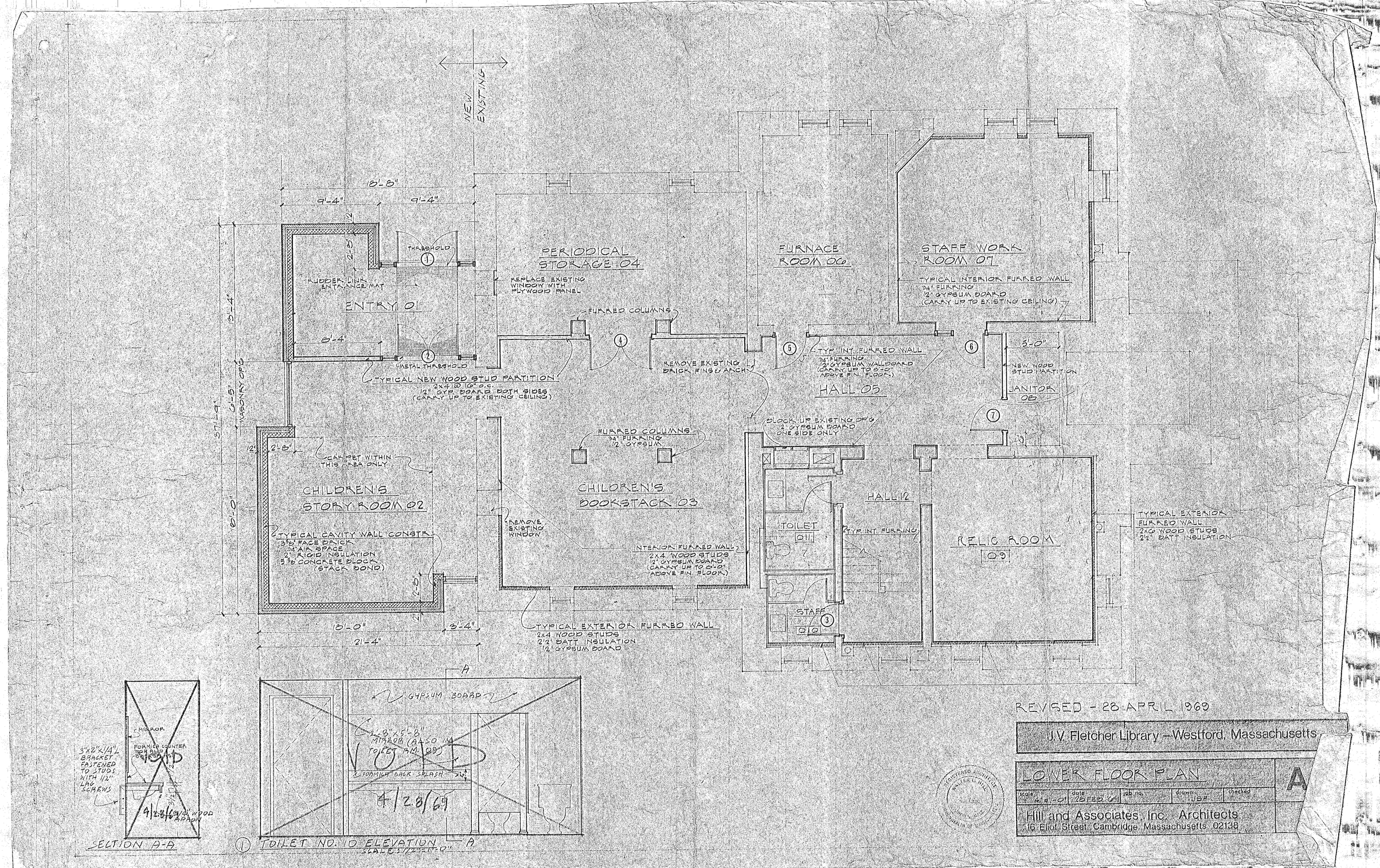

NEW EXISTING
18'-8"
9'-4"
9'-4"
THRESHOLD
RUBBER LINK ENTRANCE MAT
ENTRY 01
8'-4"
METAL THRESHOLD
TYPICAL NEW WOOD STUD PARTITION
2x4 @ 16" o.c.
1/2" GYP. BOARD BOTH SIDES
(CARRY UP TO EXISTING CEILING)
PERIODICAL STORAGE 04
REPLACE EXISTING WINDOW WITH PLYWOOD PANEL
FURRED COLUMNS
REMOVE EXISTING BRICK FINS & ARCH
FURNACE ROOM 06
STAFF WORK ROOM 07
TYPICAL INTERIOR FURRED WALL
3/4" FURRING
1/2" GYPSUM BOARD
(CARRY UP TO EXISTING CEILING)
TYP. INT. FURRED WALL
3/4" FURRING
1/2" GYPSUM WALLBOARD
(CARRY UP TO 8'-0" ABOVE FIN. FLOOR)
HALL 05
5'-0"
NEW WOOD STUD PARTITION
JANITOR 08
BLOCK UP EXISTING OP'G
1/2" GYPSUM BOARD
ONE SIDE ONLY
FURRED COLUMNS
3/4" FURRING
1/2" GYPSUM
CARPET WITHIN THIS AREA ONLY
CHILDREN'S STORY ROOM 02
CHILDREN'S BOOKSTACK 03
REMOVE EXISTING WINDOW
TYPICAL CAVITY WALL CONSTR.
3 5/8" FACE BRICK
3/4" AIR SPACE
2" RIGID INSULATION
5 5/8" CONCRETE BLOCK
(STACK BOND)
INTERIOR FURRED WALL
2x4 WOOD STUDS
1/2" GYPSUM BOARD
(CARRY UP TO 8'-0" ABOVE FIN. FLOOR)
TYPICAL EXTERIOR FURRED WALL
2x4 WOOD STUDS
2 1/2" BATT INSULATION
1/2" GYPSUM BOARD
HALL 12
TOILET 011
TYP. INT. FURRING
RELIC ROOM 09
STAFF 010
TYPICAL EXTERIOR FURRED WALL
2x6 WOOD STUDS
2 1/2" BATT INSULATION
13'-4"
37'-9"
6'-5"
MASONRY OP'G
8'-0"
18'-0"
3'-4"
21'-4"
GYPSUM BOARD
2'-8"x5'-8" MIRROR (ALSO IN TOILET RM. 09)
FORMICA BACK SPLASH
4/28/69
MIRROR
FORMICA COUNTER
3"x2"x1/4" L BRACKET FASTENED TO STUDS WITH 1/2" LAG SCREWS
4/28/69 1/4" WOOD APRON
SECTION A-A
TOILET NO. 10 ELEVATION
SCALE: 1/2"=1'-0"
REVISED - 28 APRIL 1969
J.V. Fletcher Library - Westford, Massachusetts
LOWER FLOOR PLAN
A
scale 4"=1'-0"
date 28 FEB 69
job no.
drawn JSF
checked
Hill and Associates, Inc. Architects
16 Eliot Street, Cambridge, Massachusetts 02138

NEW
EXISTING

18'-0"
9'-4"
9'-4"
12"
2'-0"
THRESHOLD
1
RUBBER LINK ENTRANCE MAT
ENTRY 01
16'-4"
3'-4½"
2
METAL THRESHOLD
TYPICAL NEW WOOD STUD PARTITION
2x4 @ 16" o.c.
½" GYP. BOARD BOTH SIDES
(CARRY UP TO EXISTING CEILING)
37'-4"
WINDOW OPNG. 10'-5"
2'-8"
CARPET WITHIN THIS AREA ONLY
CHILDREN'S STORY ROOM 02
TYPICAL CAVITY WALL CONSTR.
3½" FACE BRICK
2" AIR SPACE
2" RIGID INSULATION
5⅝" CONCRETE BLOCK
(STACK BOND)
10'-0"
2'-0"
12"
10'-0"
3'-4"
21'-4"

PERIODICAL STORAGE 04

REPLACE EXISTING WINDOW WITH PLYWOOD PANEL

FURRED COLUMNS
4
REMOVE EXISTING BRICK FINS & ARCH

FURRED COLUMNS
24" FURRING
½" GYPSUM

CHILDREN'S BOOKSTACK 03

REMOVE EXISTING WINDOW

FILL EXISTING STUD WALL WITH 4" SOLID GYPSUM BLOCK ½" PLASTER (SCRATCH COAT) HOISTWAY SIDE ONLY

INTERIOR FURRED WALL
2x4 WOOD STUDS
½" GYPSUM BOARD
(CARRY UP TO 6'-0" ABOVE FIN. FLOOR)

TYPICAL EXTERIOR FURRED WALL
2x4 WOOD STUDS
2½" BATT INSULATION
½" GYPSUM BOARD

FURNACE ROOM 06

5
TYP. INT. FURRED WALL
24" FURRING
½" GYPSUM WALLBOARD
(CARRY UP TO 6'-0" ABOVE FIN. FLOOR)

BLOCK UP EXISTING OP'G
½" GYPSUM BOARD
ONE SIDE ONLY

ELEVATOR
6'-0" OPG.
HALL 12
TYP. INT. FURRING

ELEVATOR MACHINE ROOM 13
3

REAR WALL OF ELEVATOR HOISTWAY
2x8 WOOD STUDS
2 LAYERS ⅝" FIRECODE GYP. WALLBOARD BOTH SIDES

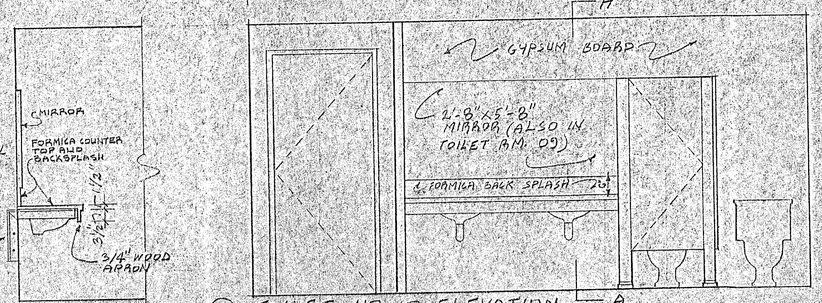
STAFF WORK ROOM 07

TYPICAL INTERIOR FURRED WALL
24" FURRING
½" GYPSUM BOARD
(CARRY UP TO EXISTING CEILING)

6
3'-0"
NEW WOOD STUD PARTITION

JANITOR 08

BLOCK UP EXTG OP'G ½" GYP. BOARD BOTH SIDES
7
8
9
10
11
HALL 11
8'-7½"
3'-0"
2'-0"
2'-0"
2'-0"
2'-8"
2'-8"
2'-8"
2'-8"
7½"
6'-0"
4'-0"
WOMEN 10
MEN 09
TYPICAL EXTERIOR FURRED WALL
2x6 WOOD STUDS
2½" BATT INSULATION



SECTION A-A

1 TOILET NO. 10 ELEVATION — A
SCALE: 1/2"=1'-0"

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REGISTERED ARCHITECT WALTER L. HILL NO. 1382 LINCOLN, MASS. COMMONWEALTH OF MASSACHUSETTS

LOWER FLOOR PLAN				A-1
scale 1/4"=1'-0"	date 28 FEB 69	job no.	drawn JBF	checked

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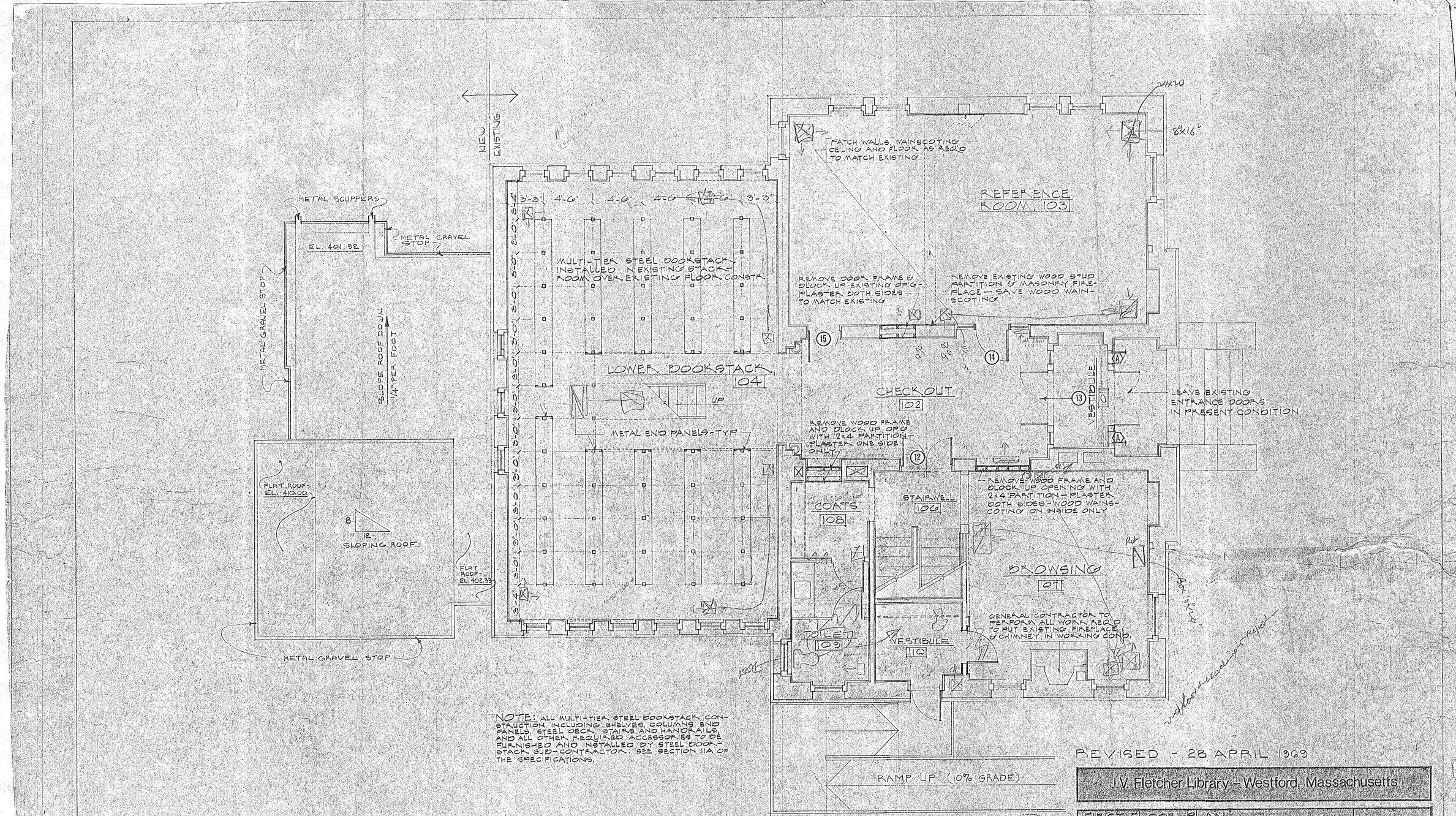
16 Eliot Street, Cambridge, Massachusetts 02138



NOTE: ALL MULTI-TIER STEEL BOOKSTACK CONSTRUCTION, INCLUDING SHELVES, COLUMNS, END PANELS, STEEL DECK, STAIRS AND HANDRAILS, AND ALL OTHER REQUIRED ACCESSORIES TO BE FURNISHED AND INSTALLED BY STEEL BOOKSTACK SUB-CONTRACTOR. SEE SECTION 11A OF THE SPECIFICATIONS.

REVISED - 28 APRIL 1969

J.V. Fletcher Library - Westford, Massachusetts

FIRST FLOOR PLAN
LOWER ROOF PLAN

A-2

scale	date	job no.	drawn	checked
1/4"=1'-0"	28 FEB 1969		J.E.F.	

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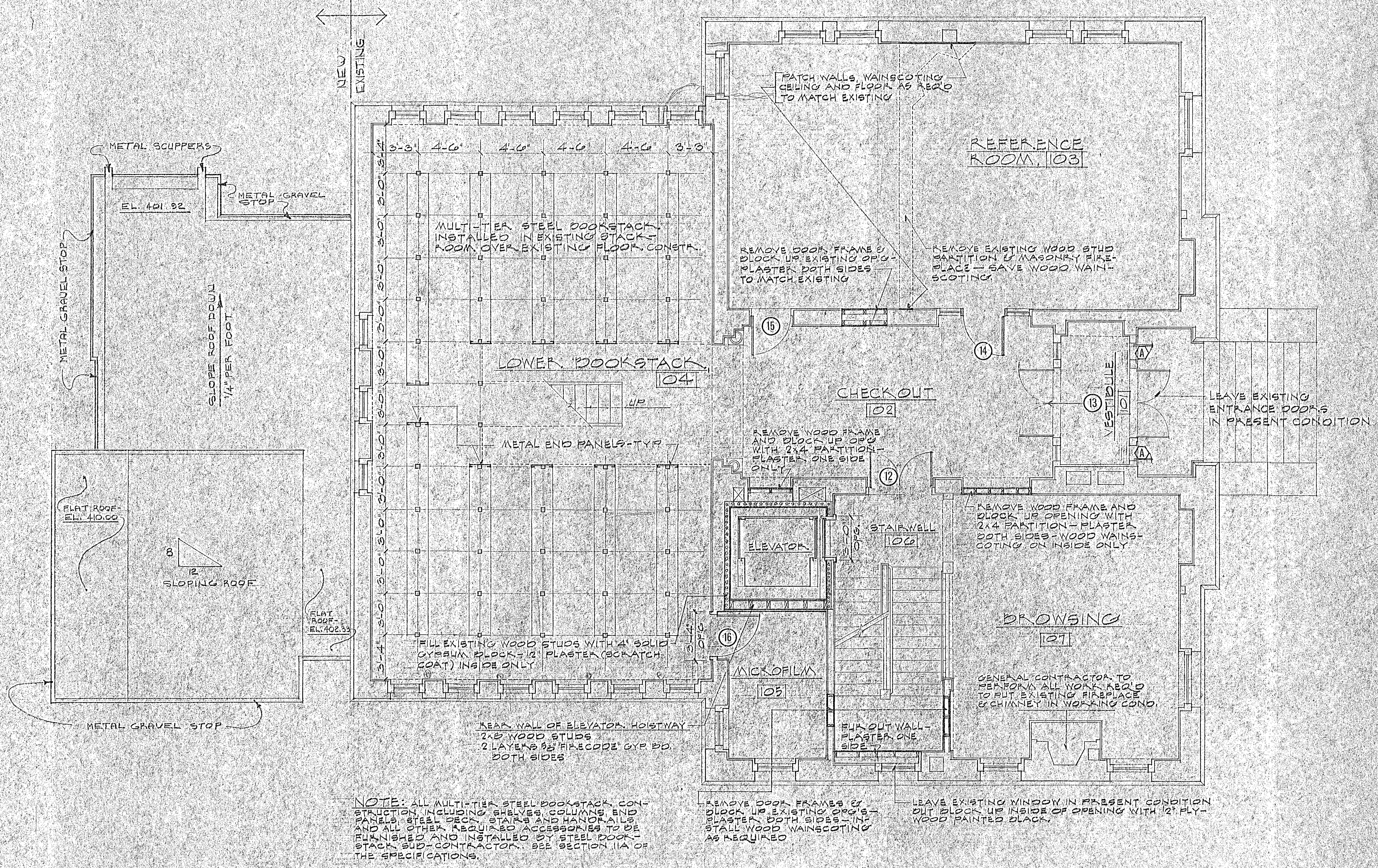
REGISTERED ARCHITECT WALTER L. HILL No. 1330 LINCOLN, MASS. COMMONWEALTH OF MASSACHUSETTS



NOTE: ALL MULTI-TIER STEEL BOOKSTACK CONSTRUCTION, INCLUDING SHELVES, COLUMNS, END PANELS, STEEL DECK, STAIRS AND HANDRAILS, AND ALL OTHER REQUIRED ACCESSORIES TO BE FURNISHED AND INSTALLED BY STEEL BOOKSTACK SUB-CONTRACTOR. SEE SECTION 11A OF THE SPECIFICATIONS.

J.V. Fletcher Library – Westford, Massachusetts

FIRST FLOOR PLAN
LOWER ROOF PLAN

scale	date	job no.	drawn	checked
1/4"=1'-0"	25 FEB '69		JSF	

A·2

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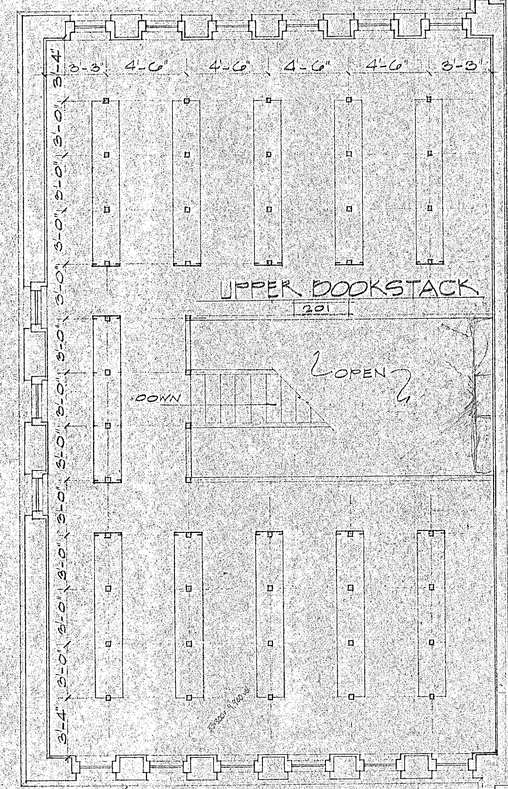
REGISTERED ARCHITECT WALTER L. HILL No. 1330 LINCOLN, MASS. COMMONWEALTH OF MASSACHUSETTS



NOTE: SEE NOTES ON DWG. A-2 REGARDING MULTI-TIER STEEL BOOKSTACK CONSTRUCTION AND INSTALLATION

REVISED - 28 APRIL 1969

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UPPER BOOKSTACK PLAN

scale	date	job no.	drawn	checked
1/4" = 1'-0"	28 FEB '68		JSF	

A-3

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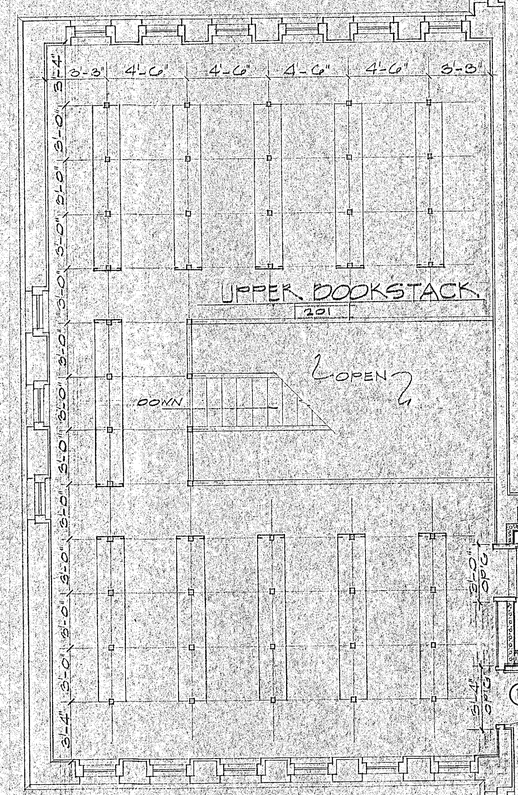

FILL EXISTING WOOD STUDS WITH
4" SOLID GYPSUM BLOCK.
1/2" PLASTER (SCRATCH COAT)
ON INSIDE FACE ONLY.

REAR WALL OF ELEVATOR HOISTWAY
2x8 WOOD STUDS
2 LAYERS 5/8" FIRECODE GYPSUM BOARD
BOTH SIDES

NEW FLOOR CONSTRUCTION
2x6 JOISTS @ 12" O.C.
5/8" PLYWOOD SUBFLOOR.
3/8" PLYWOOD UNDERLAYMENT
RESILIENT TILE FLOOR.

NOTE: SEE NOTES ON DWG. A-2 REGARDING MULTI-TIER STEEL BOOKSTACK CONSTRUCTION AND INSTALLATION.

J.V. Fletcher Library – Westford, Massachusetts

UPPER BOOKSTACK PLAN

scale	date	job no	drawn	checked
1/4"=1'-0"	28 FEB '67		JSF	

A·3

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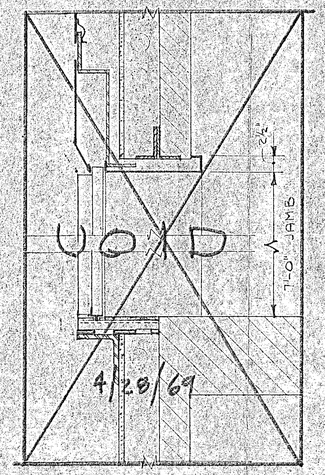
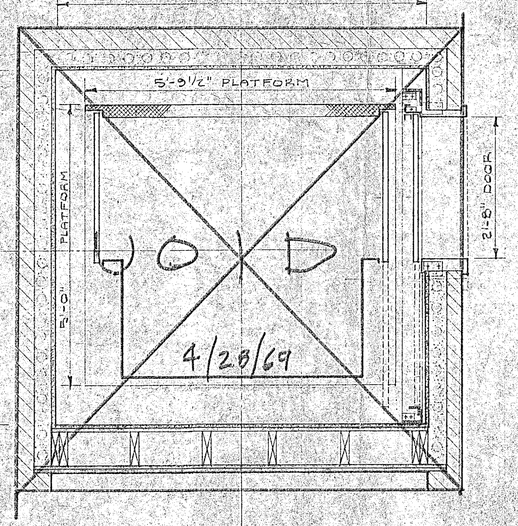
REGISTERED ARCHITECT
WALTER L. HILL
No 1330
LINCOLN, MASS.
COMMONWEALTH OF MASSACHUSETTS



SECTION AT ELEVATOR DOOR 1½" = 1'-0"



TYPICAL HOISTWAY PLAN AT DOORS
3/4" = 1'-0"

REVISED - 28 APRIL 1969

J.V. Fletcher Library – Westford, Massachusetts

SECOND FLOOR PLAN
ELEVATOR DETAILS

A-4

scale	date	job no.	drawn	checked
1/4" = 1'-0" REVISED	21 FEB. 69		JGF	JGF

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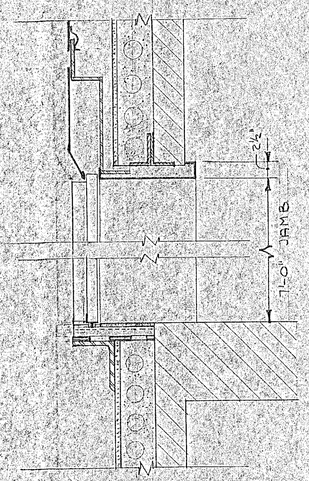
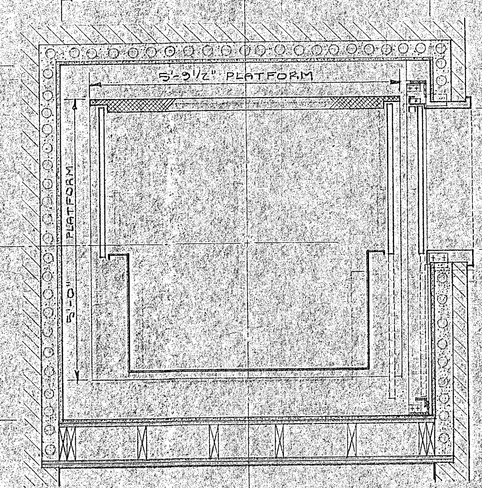
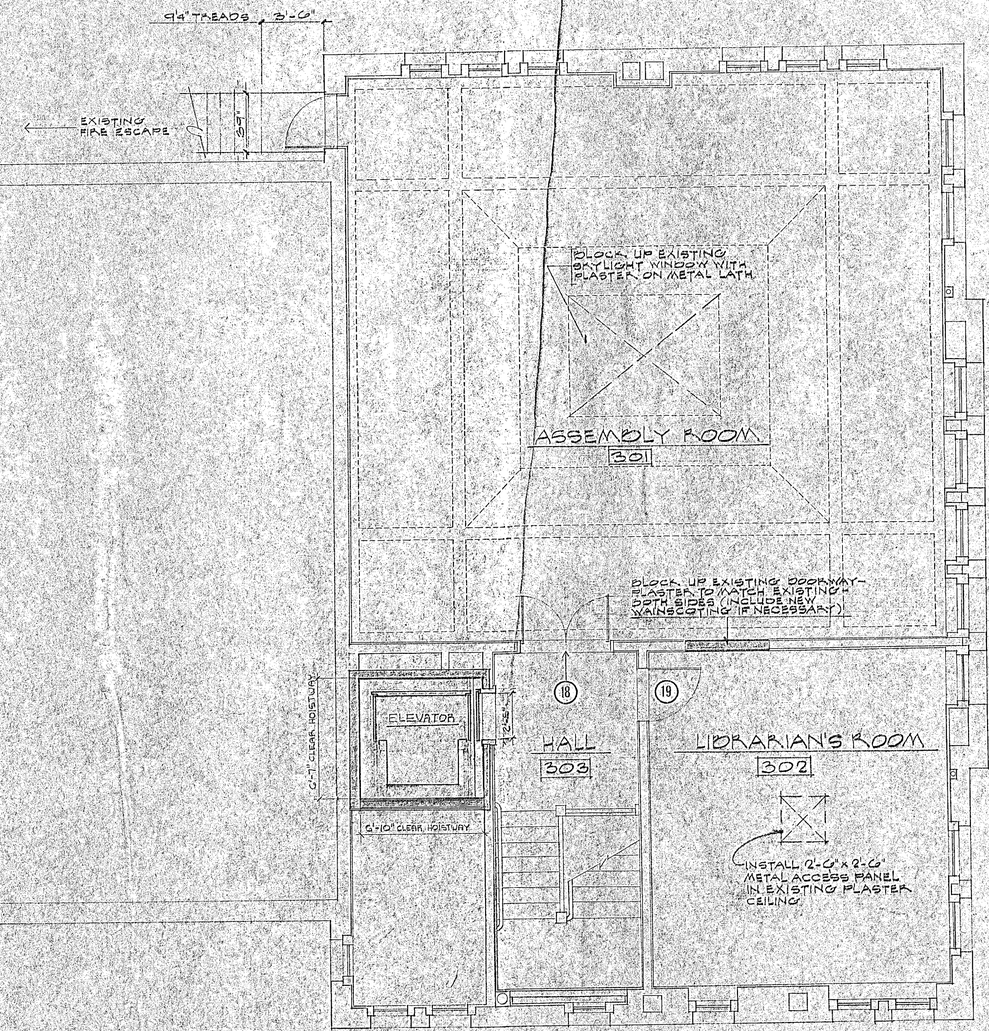
REGISTERED ARCHITECT WALTER L. HILL No. 1330 LINCOLN, MASS. COMMONWEALTH OF MASSACHUSETTS



SECTION AT ELEVATOR DOOR 1½"=1'-0"



TYPICAL HOISTWAY PLAN AT DOORS
3/4"=1'-0"



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SECOND FLOOR PLAN
ELEVATOR DETAILS

A-4

scale	date	job no.	drawn	checked
1/4"=1'-0" & AS NOTED	21 FEB. '69		JSF	JSF

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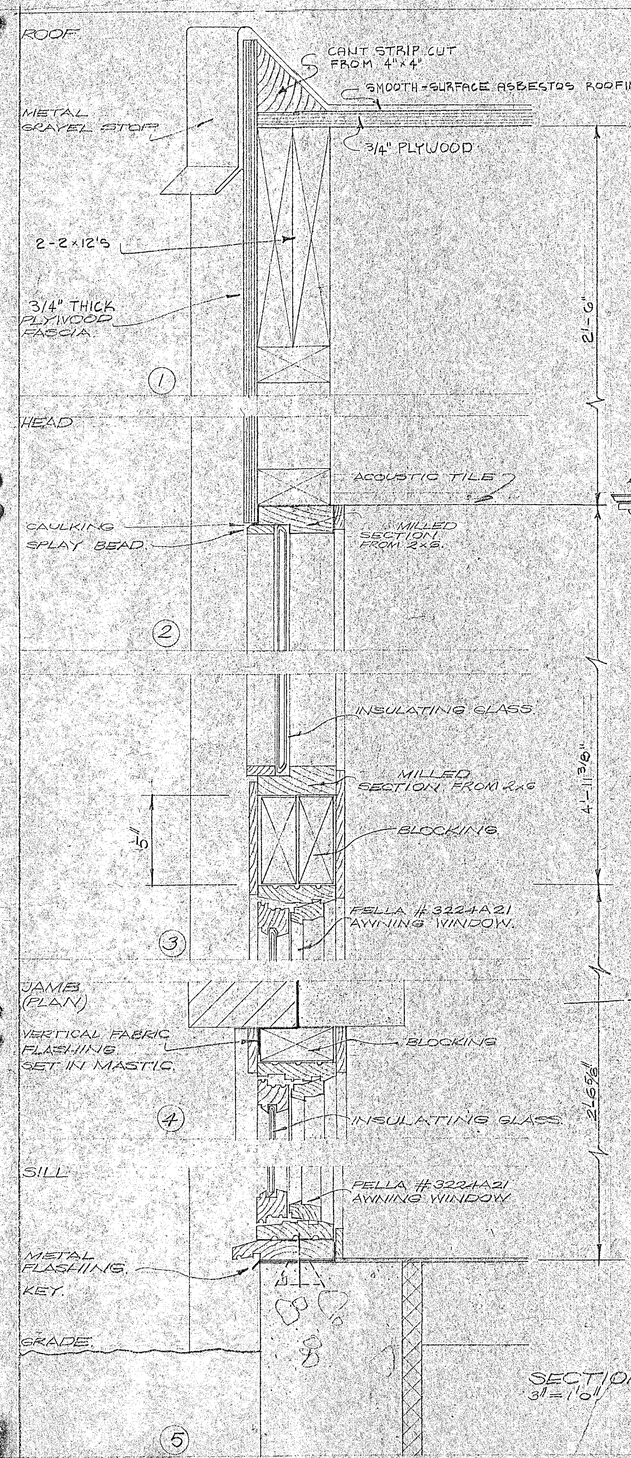
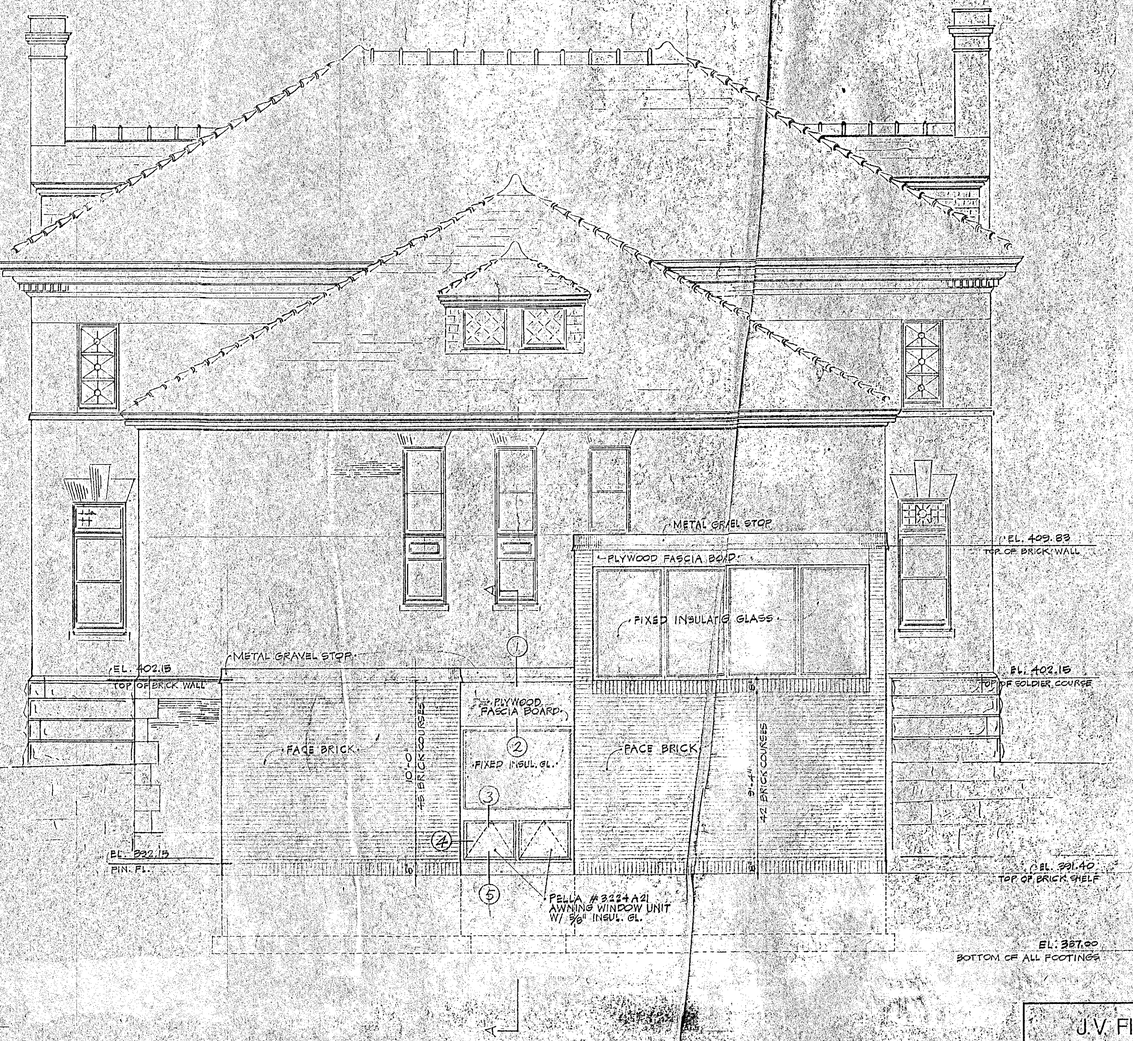
16 Eliot Street, Cambridge, Massachusetts 02138

REGISTERED ARCHITECT WALTER L. HILL No. 1230 LINCOLN, MASS. COMMONWEALTH OF MASSACHUSETTS





J.V. Fletcher Library – Westford, Massachusetts

NORTH (REAR) ELEVATION
WINDOW & FLASHING DETAILS

scale	date	job no.	drawn	checked
1/4"=1'-0"	28 FEB 69		JEP	

A·5

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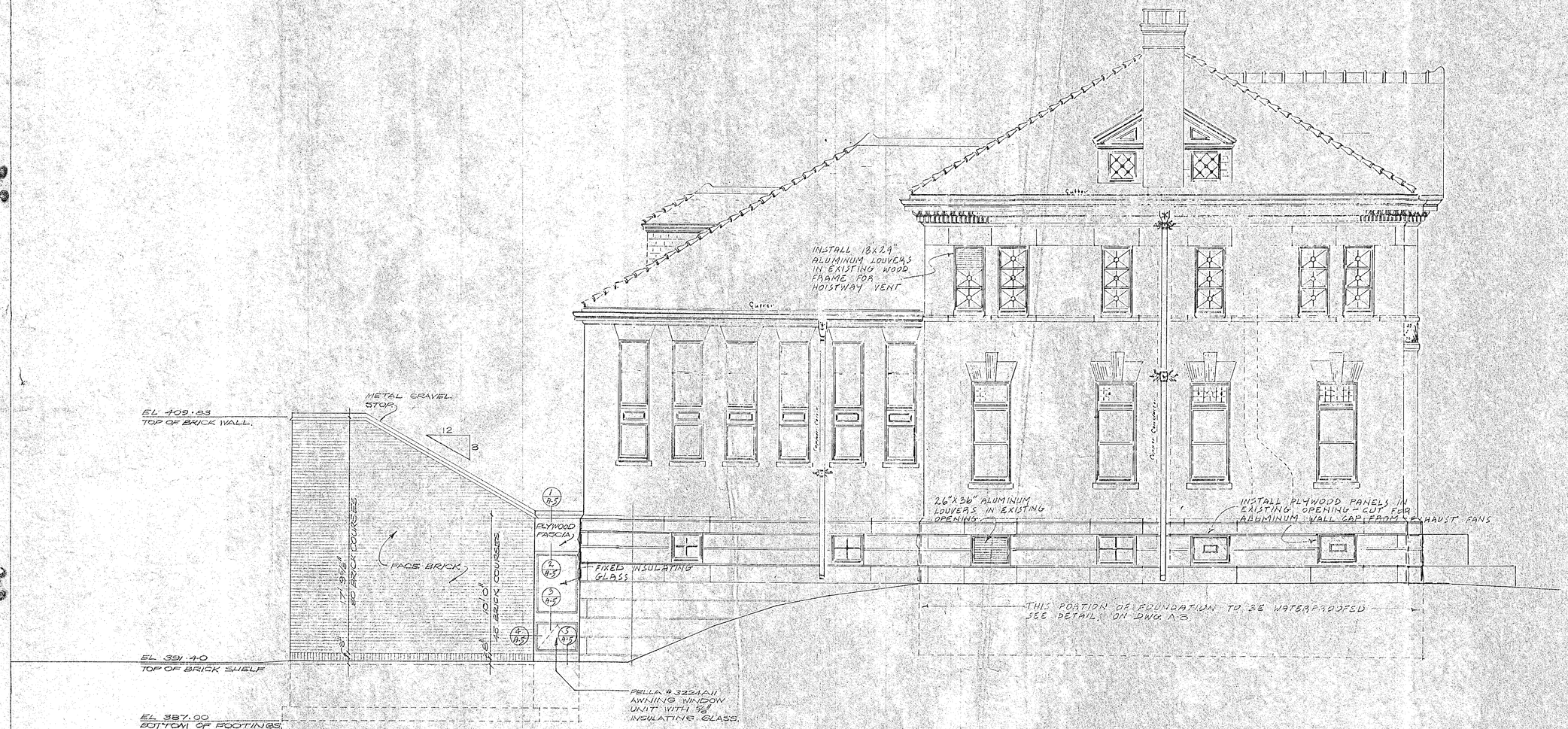
REGISTERED ARCHITECT WALTER L. HILL IN 1330 LINCOLN, MASS. COMMONWEALTH OF MASSACHUSETTS



J.V. Fletcher Library – Westford, Massachusetts

WEST ELEVATION

scale	date	job no	drawn	checked
1/4"=1'-0"	28 Feb.'00		JSF	

A-6

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16 Eliot Street, Cambridge, Massachusetts 02138

EXISTING NEW

J.V. Fletcher Library – Westford, Massachusetts

EAST ELEVATION

scale	date	job no	drawn	checked
1/4" = 1'-0"	28 Feb. '69		JSF	

A-7

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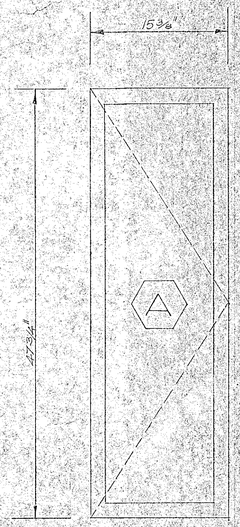
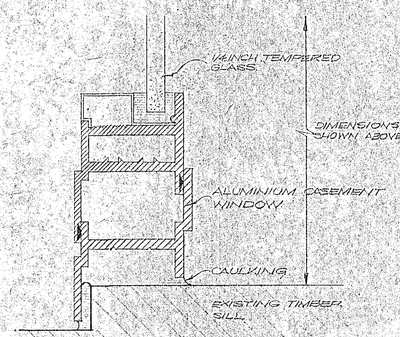
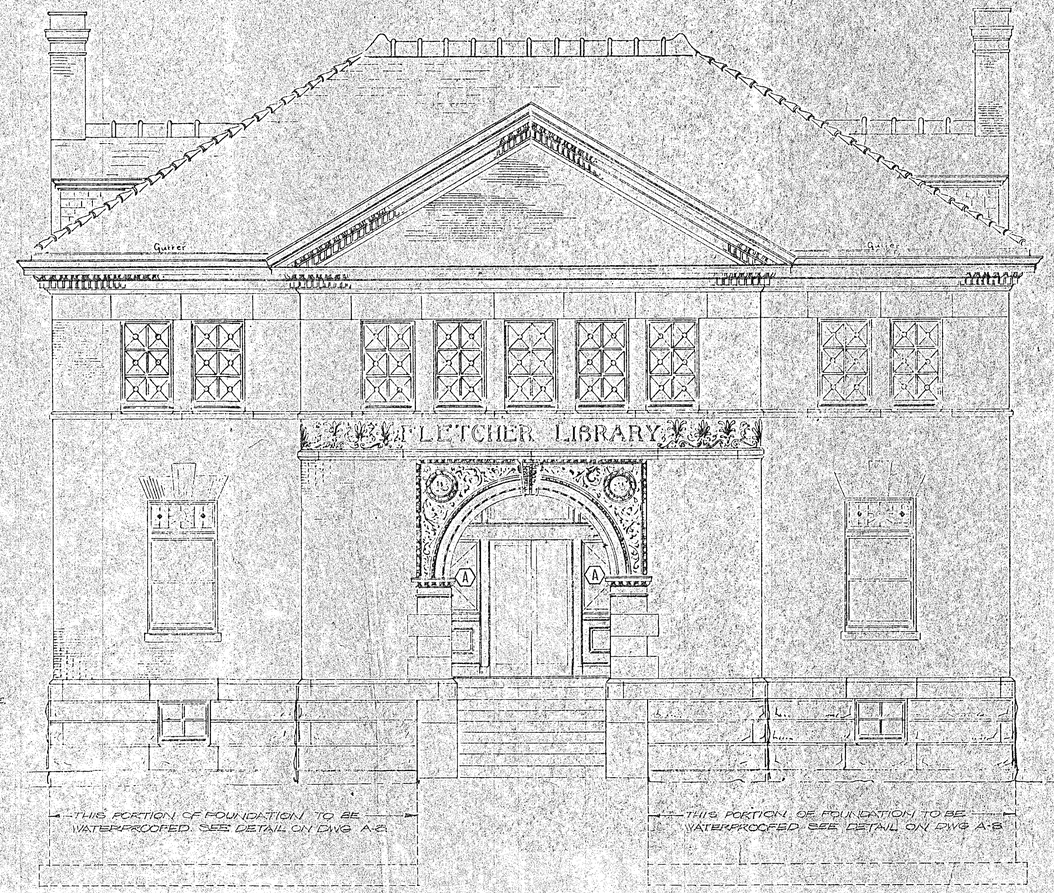
16 Eliot Street, Cambridge, Massachusetts 02138

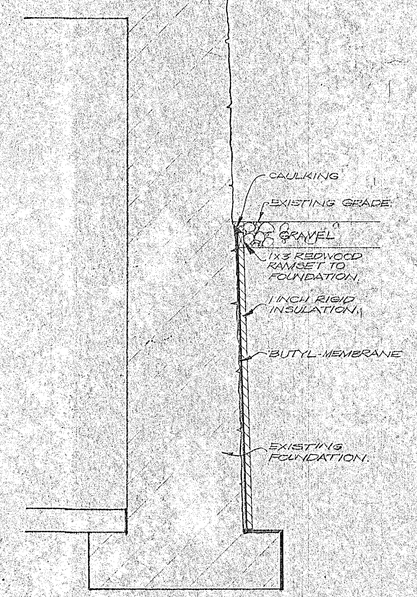


WINDOW ELEVATION
1½" = 1'0"



FULL SIZE DETAIL SILL
JAMB AND HEAD SIMILAR





DETAIL: FOUNDATION WATERPROOFING
¾" = 1'0"

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SOUTH (FRONT) ELEVATION
ALUMINIUM WINDOW DETAIL – WATERPROOFING DETAIL

scale	date	job no.	drawn	checked
AS SHOWN	MAR 4 1969			

A-8

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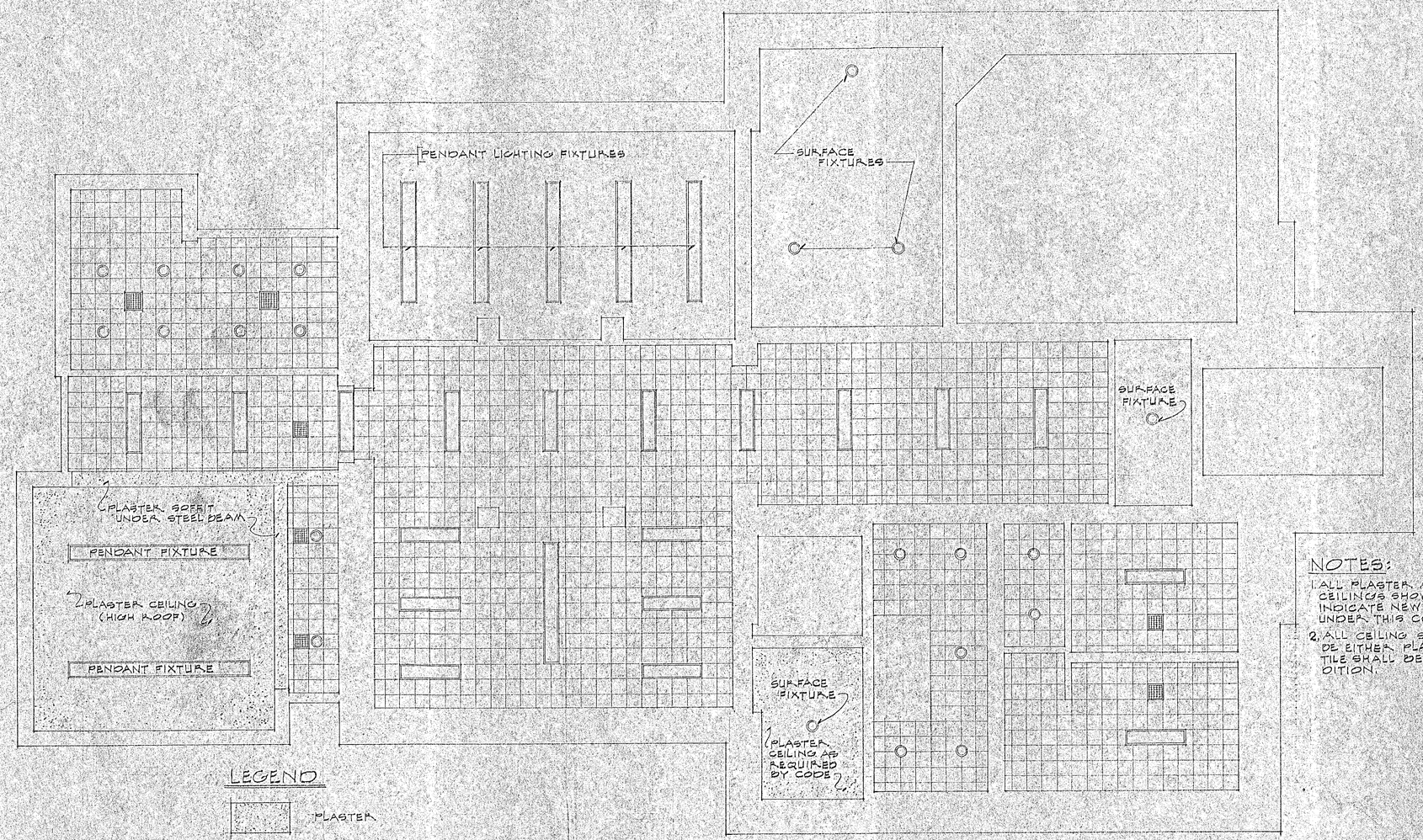

NOTES:

1. ALL PLASTER AND ACOUSTICAL TILE CEILINGS SHOWN ON THIS DRAWING INDICATE NEW WORK TO BE PERFORMED UNDER THIS CONTRACT.
2. ALL CEILING SURFACES NOT SHOWN TO BE EITHER PLASTER OR ACOUSTICAL TILE SHALL BE LEFT IN EXISTING CONDITION.

LEGEND

- PLASTER
- 24" ACOUSTICAL TILE CEILING TILES (12" x 12") – CONCEALED-SPLINE SUSPENSION SYSTEM (ELEVATION 7'-6" FROM FINISHED FLOOR UNLESS OTHERWISE NOTED)
- INCANDESCENT LIGHTING FIXTURE (RECESSED UNLESS OTHERWISE NOTED)
- FLUORESCENT LIGHTING FIXTURE (RECESSED UNLESS OTHERWISE NOTED)
- METAL CEILING GRILLES (FLUSH-MOUNTED IN CEILING)

REGISTERED ARCHITECT WALTER L. HILL COMMONWEALTH OF MASSACHUSETTS

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LOWER LEVEL REFLECTED CEILING PLAN

scale	date	job no.	drawn	checked
1/4" = 1'-0"	25 FEB. '69		JSF	

A-10

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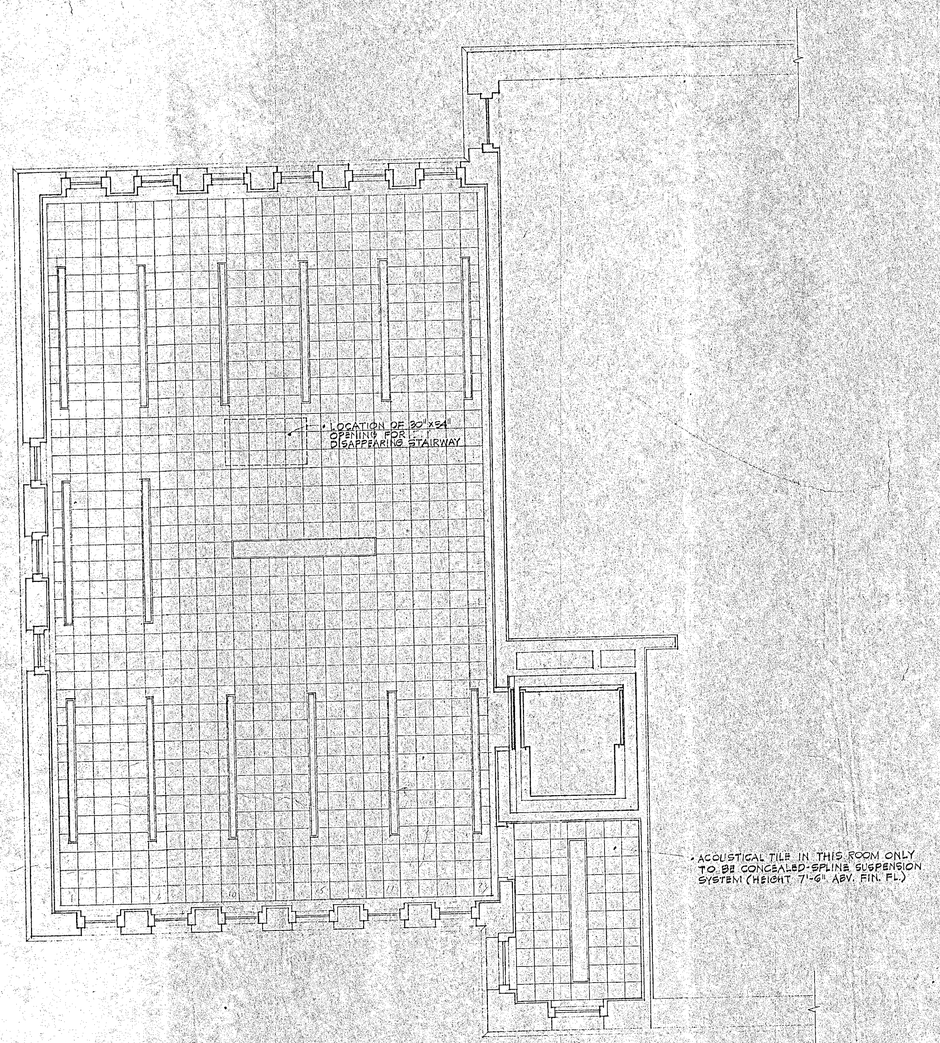
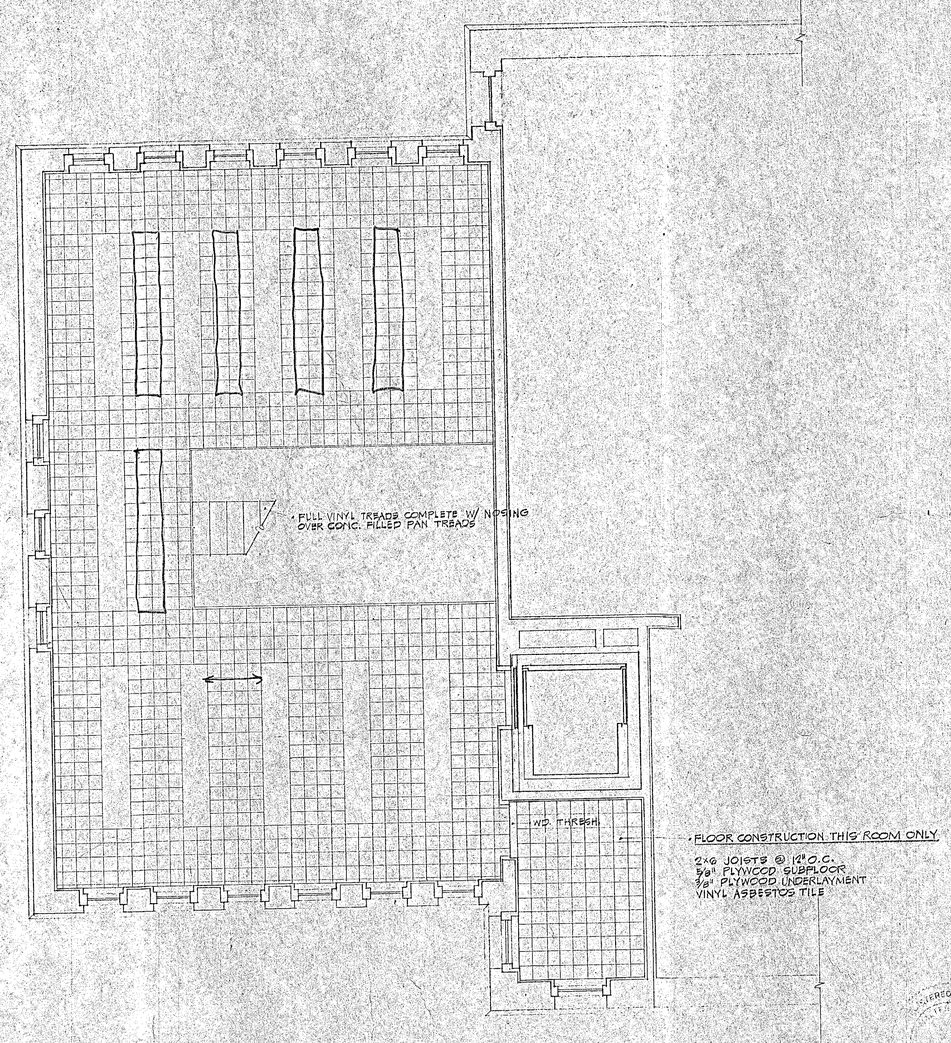


REFLECTED CEILING PLAN

NOTES:

1. ALL LIGHTING FIXTURES TO BE SURFACE-MOUNTED.
2. UNLESS OTHERWISE NOTED, ALL ACOUSTICAL TILE TO BE APPLIED TO EXISTING PLASTER CEILING WITH ADHESIVE AS RECOMMENDED BY TILE MANUFACTURER.



FLOORING PLAN

NOTES:

1. ALL FLOORING SHOWN ABOVE SHALL BE 9"x9" VINYL ASBESTOS TILE INSTALLED OVER FLOOR OF STEEL BOOKSTACK (UNLESS OTHERWISE NOTED) ACCORDING TO MANUFACTURER'S PRINTED INSTRUCTIONS.

2. AS INDICATED ON DRAWING ABOVE, NO RESILIENT FLOORING WILL BE REQUIRED UNDER BASE SHELVES OF BOOKSTACK.

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UPPER BOOKSTACK REFLECTED CEILING PLAN
UPPER BOOKSTACK FLOORING PLAN

A-11

scale	date	job no	drawn	checked
1/4"=1'-0"	28 FEB 69		JSF	

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EXISTING ROOF SPACE

NEW 1½" PLASTER CEILING FIXED TO EXISTING CEILING

APPROX 20'0"

FORM OPENING FOR ELEVATOR DOOR

HALL 303

7'0" OCS

ELEVATOR THRESHOLD AND ANGLE SUPPORT

EXISTING

UPPER BOOKSTACK 201

7'0" OCS

FORM OPENING FOR ELEVATOR DOOR

FILL EXISTING WOOD STUDS WITH 4" SOLID GYP. BLOCK. 2" PLASTER (SCRATCH COAT) INSIDE WELL

FORM OPENING FOR ELEVATOR DOOR

FILL EXISTING WOOD STUDS WITH 4" SOLID GYPSUM BLOCK. 2" PLASTER (SCRATCH COAT) INSIDE ONLY

LOWER BOOKSTACK 104

STAIRWELL 106

7'0" OCS

ELEVATOR WELL

EXISTING

EXISTING MASONARY

FORM OPENING FOR ELEVATOR DOOR

HALL 12

7'0" OCS

CHILDRENS BOOKSTACK 03

ELEVATOR

ELEVATOR THRESHOLD AND ANGLE SUPPORT

TRIM FOOTINGS TO FORM SMOOTH WELL FACE

8" THICK CONCRETE TO WALL AND FLOOR

FORM NEW CONCRETE WELL

4'0"

6'10"

414.73

SECOND FLOOR

4'10"

409.90

UPPER BOOKSTACK

7'6"

402.40

FIRST FLOOR

10'3"

392.15

LOWER FLOOR

ASSEMBLY 301

EXISTING WORK

DOOR

BLOCK UP EXISTING OPENING ⅝" GYPSUM BOARD ONE SIDE

CHECKOUT 102

DOOR

ELEVATOR WELL

3'0" OCS

BLOCK UP EXISTING OPENING ⅝" GYPSUM BOARD ONE SIDE

HALL 05

FILL EXISTING WOOD STUDS WITH 4" SOLID GYPSUM BLOCK. 2" PLASTER (SCRATCH COAT) IN SIDE ONLY

DOOR

TRIM FOOTINGS TO FORM SMOOTH WELL FACE

6'7"

EXISTING CEILING

NEW 1½" PLASTER CEILING FIXED TO EXISTING CEILING

26 GAUGE STEEL DUCT MIN OPENING 24" x 18"

ALUMINIUM LOUVRES AND SCREEN SET IN EXISTING WINDOW

NEW HUNG CEILING

REMOVE EXISTING FLOOR MAKE GOOD TO WALLS

STUDY CARREL 202

RESILIENT TILE FLOOR ON PLYWOOD UNDERLAYMENT & PLYWOOD SUBFLOOR

2x6 JOISTS AT 16" O.C.
ACOUSTIC TILE CEILING

2x8 WOOD STUDS 2 LAYERS ½" FIRECODE GYPSUM BD BOTH SIDES

MICROFILM 105

REMOVE EXISTING FLOOR

EXISTING WORK

1½" PLASTER ON METAL LATH

2x8 WOOD STUDS 2 LAYERS ½" FIRECODE GYP BD BOTH SIDES

GRADE

MACHINE ROOM 13

REMOVE EXISTING FLOOR

EXISTING WORK

DOOR

CONCRETE WELL

REGISTERED ARCHITECT
RALPH L. HILL
No. 1330
COMMONWEALTH OF MASSACHUSETTS

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SECTIONS ELEVATOR

A-12

scale	date	job no.	drawn	checked
3/8" = 1'0"	MARC. 69.			

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ROOM SCHEDULES

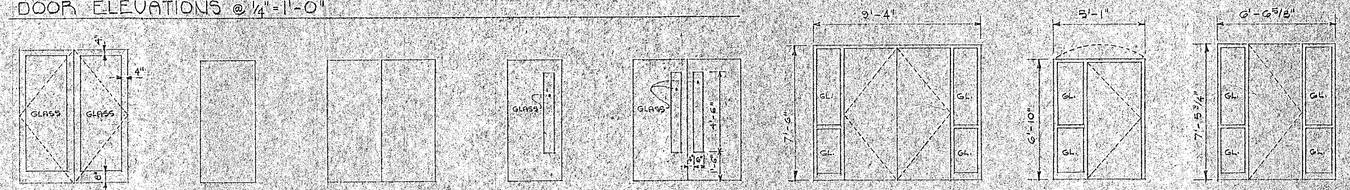
Room	Floor	Base	Ceiling	North Wall	South Wall	East Wall	West Wall	Remarks
LOWER LEVEL								
ENTRY 01	4" CONC. SLAB - VINYL ASB. TILE RUBBER MAT AT DOORS	4" VINYL BASE AT GYP. BD. ONLY	ACOUSTICAL TILE SUSPENDED CEILING	CONC. BLOCK - SCORED AS INDICATED STACK BOND UNPAINTED	EXISTING GRANITE WALL - UNFINISHED	SCORED CONC. BLOCK - (UNPAINTED) - GLASS - METAL DRS. & FRAME (PAINT)	GYPSUM WALLBOARD & GLASS - PAINT	
CHILDREN'S STORY ROOM 02	4" CONC. SLAB VINYL ASB. TILE CARPET AT DEPRESSED SLAB	DITTO	DITTO + PLASTER (PAINTED) AT HIGH CEILING	DITTO + GLASS CLERESTORY	DITTO	GYPSUM WALLBOARD & GLASS - PAINT	CONC. BLOCK - UNPAINTED	
CHILDREN'S STACK ROOM 03	VINYL ASB. TILE OVER EXISTING CONC. SLAB - NEW UNDERLAYMENT	4" VINYL COVED	ACOUSTICAL TILE SUSPENDED CLG.	GYPSUM WALLBOARD - PAINTED	GYPSUM WALLBD. - PAINTED	GYPSUM WALLBOARD - PAINTED	GYPSUM WALLB'D. - PAINTED	FURRED COLUMNS - RELOCATE DUCTS
PERIODICAL STORAGE 04	EXISTING CONC. SLAB	NONE	NONE	EXISTING - PLYWOOD PANEL IN EXIST. OPG.	EXISTING	EXISTING	GYPSUM WALLBOARD - PAINTED	DITTO
HALL 05	EXISTING TILE	4" VINYL COVED	ACOUSTICAL TILE SUSPENDED CEILING	GYPSUM WALLB'D. - PAINTED	SAME AS NORTH	SAME AS NORTH	DITTO	RELOCATE DUCTS
FURNACE ROOM 06	EXISTING CONC. SLAB	NONE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	NEW DOOR # 5
STAFF WORKROOM 07	EXISTING TILE	4" VINYL COVED	EXISTING	GYP. BD. - PAINTED	GYP. BD. - PAINTED	GYP. BD. - PAINTED	GYP. BD. - PAINTED	
JANITOR 08	EXISTING TILE	NONE	EXISTING	DITTO	EXISTING	EXISTING	EXISTING	
MEN 09	VINYL ASB. TILE ON EXIST. SLAB - NEW UNDERLAYMENT AS REQUIRED	4" VINYL COVED	ACOUSTICAL TILE SUSPENDED CLG.	DITTO	GYP. BD. - PAINTED	GYP. BD. - PAINTED	GYP. BD. - PAINTED + MIRROR	METAL TOILET COMPARTMENTS
WOMEN 10	DITTO	DITTO	DITTO	DITTO	DITTO	DITTO + MIRROR	GYP. BD. - PAINTED	METAL TOILET COMPARTMENTS
HALL 11	DITTO	DITTO	DITTO	DITTO	DITTO	GYP. BD. - PAINTED	DITTO	
HALL 12	REPAIR TO MATCH EXISTING TILE	DITTO	DITTO	DITTO	DITTO	DITTO	DITTO	BLOCK-UP EXIST. WINDOW
MACHINE ROOM 13	EXISTING	NONE	1/2" PLASTER ON METAL LATH AS REQUIRED BY FIRE CODE	EXISTING	EXISTING - WIDEN OPG. FOR DOOR # 3	"FIRECODE" WALLBOARD - PAINTED	EXISTING	NEW DR. # 3 - ALUMINUM LOUVERS IN EXIST. WINDOW

Room	Floor	Base	Ceiling	North Wall	South Wall	East Wall	West Wall	Remarks
FIRST FLOOR								
VESTIBULE 101	LEAVE IN EXISTING CONDITION	NONE	LEAVE IN EXISTING CONDITION	LEAVE IN EXISTING CONDITION	SAME AS NORTH	SAME AS NORTH	SAME AS NORTH	NEW ALUMINUM CASEMENT WINDOWS IN SOUTH WALL
CHECK-OUT 102	DITTO	LEAVE IN EXIST. CONC.	PAINT AS REQUIRED TO REPAIR DAMAGE TO EXISTING SURFACE BY ELECTRICAL WORK	DITTO	DITTO	BLOCK-UP EXIST. OPG. PATCH WAINSCOTING - PAINT TO MATCH EXISTING	SAME AS EAST	
REFERENCE 103	CARPET	DITTO	DITTO	DITTO	DITTO	PLASTER AS REQ'D TO PATCH EXISTING WALLS - PAINT TO MATCH EXISTING	SAME AS EAST	REMOVE EXISTING PARTITION AND FIREPLACE
LOWER STACK 104	SAND AND REFINISH EXISTING WOOD FLOOR	DITTO	UNDERSIDE OF STEEL DECK - PAINTED BY DECK MANUFACTURER	DITTO	CUT OPG. FOR DOOR NO. 16 - PAINT TO MATCH EXISTING	LEAVE IN EXISTING CONDITION	SAME AS EAST	INSTALL STEEL BOOKSTACK
MICROFILM 105	LEAVE IN EXISTING CONDITION	WOOD TO MATCH EXIST. ON EAST WALL	ACOUSTICAL TILE SUSPENDED CEILING	CUT OPG. FOR DOOR NO. 16 - PAINT ENTIRE PLASTER SURFACE	BLOCK-UP EXIST. OPG. PATCH WAINSCOTING - PAINT ENTIRE PLASTER SURFACE	NEW "FIRECODE" GYPSUM WALLBOARD - PAINT	PAINT ENTIRE EXISTING PLASTER	
STAIRWELL 106	DITTO	LEAVE IN EXIST. COND.	PAINT ONLY AS REQ'D. TO REPAIR DAMAGE TO EXISTING SURFACE BY ELECTRICAL WORK	CUT OPG. FOR ELEVATOR DOOR - PAINT TO MATCH EXISTING	LEAVE IN EXISTING CONDITION	NEW DOOR # 12 IN EXISTING OPG.	FUR-OUT WITH PLASTER & PATCH WAINSCOTING - PAINT ENTIRE PLASTER SURFACE	BLOCK-UP WINDOWS ON WEST WALL WITH PLYWOOD - PAINT PLYWOOD BLACK
BROWSING	DITTO	DITTO	DITTO	BLOCK-UP EXIST. OPG. PATCH WAINSCOTING - PAINT TO MATCH EXISTING	DITTO	BLOCK-UP EXIST. OPG. PATCH WAINSCOTING - PAINT TO MATCH EXISTING	LEAVE IN EXISTING CONDITION	PUT EXISTING FIREPLACE IN WORKING CONDITION
UPPER BOOKSTACK								
UPPER STACK 201	VINYL ASB. TILE ON STEEL DECK FLOOR OF BOOKSTACK	4" VINYL COVED	ACOUSTICAL TILE CEMENTED TO EXISTING PLASTER CEILING	LEAVE IN EXISTING CONDITION	PATCH AS REQUIRED WITH PLASTER - PAINT TO MATCH EXISTING	LEAVE IN EXISTING CONDITION	LEAVE IN EXISTING CONDITION	CUT NEW OPENINGS FOR ELEVATOR DOOR & DOOR NO. 17 - INSTALL STEEL BOOKSTACK
STUDY CARREL 202	VINYL ASB. TILE ON NEW PLYWOOD UNDERLAYMENT	DITTO	ACOUSTICAL TILE SUSPENDED CEILING	PATCH AS REQUIRED WITH PLASTER - PAINT ENTIRE SURFACE	SAME AS NORTH	NEW "FIRECODE" GYPSUM WALLBOARD - PAINT	SAME AS NORTH	SEE ABOVE
SECOND FLOOR								
ASSEMBLY HALL 301	LEAVE IN EXISTING CONDITION	LEAVE IN EXISTING CONDITION	BLOCK-UP SKYLIGHT OPG. WITH PLASTER - PAINT ENTIRE CEILING	PAINT EXISTING PLASTER SURFACE	SAME AS NORTH	SAME AS NORTH	PLASTER EXIST. OPG. & PATCH WAINSCOTING - PAINT ENTIRE PLASTER SURFACE	
LIBRARIANS ROOM 302	DITTO	DITTO	REPAIR EXIST. CLG. & INSTALL METAL ACCESS. PANEL - PAINT ENTIRE CEILING	PAINT EXISTING PLASTER SURFACE	REPAIR EXISTING PLASTER - PAINT ENTIRE PLASTER SURFACE	PLASTER EXIST. OPG. & PATCH WAINSCOTING -	SAME AS NORTH	
HALL 303	DITTO	DITTO	PAINT ONLY AS NEEDED TO REPAIR DAMAGE TO EXISTING SURFACE BY ELECTRICAL WORK	LEAVE IN EXISTING CONDITION	LEAVE IN EXISTING CONDITION	LEAVE IN EXISTING CONDITION	FUR-OUT WITH PLASTER & PATCH WAINSCOTING - PAINT ENTIRE PLASTER SURFACE	BLOCK-UP WINDOWS ON WEST WALL WITH PLYWOOD - PAINT PLYWOOD BLACK

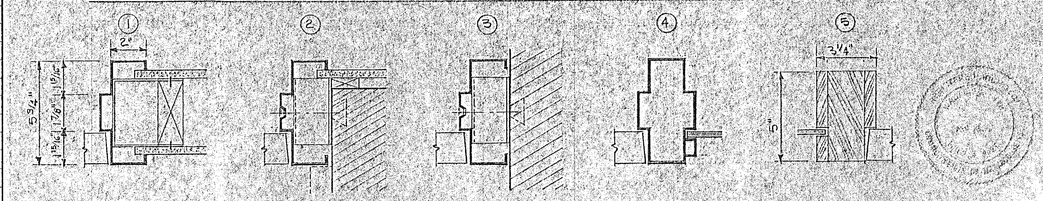
DOOR & FRAME SCHEDULE

NO.	TYPE	LABEL	DOOR DATA THICKNESS	DOOR DATA MATERIAL	JAMB OPG WIDTH	JAMB OPG HEIGHT	FRAME DATA SECTION	REMARKS
1	A		1 3/4"	H.M.	6'-0"	7'-4"		PR. DRS. - WEATHERSTRIPPING - THRESHOLD
2	C		1 3/4"	H.M.	6'-0"	7'-4"		PR. DRS. - METAL THRESHOLD
3	F	"B"	1 3/4"	H.M.	3'-0"	6'-8"		DR. CLOSER
4	C		1 3/4"	WOOD	6'-0"	6'-8"		PR. DRS.
5	E	"B"	1 3/4"	H.M.	3'-0"	6'-8"		DR. CLOSER
6	B		1 3/4"	WOOD	3'-0"	6'-8"		GLASS SIDELIGHT
7	B		1 3/4"	WOOD	3'-0"	6'-8"		
8	E		1 3/4"	WOOD	4'-8"	6'-8"		PR. DRS. - DR. CLOSERS
9	B		1 3/4"	WOOD	3'-0"	6'-8"		20" x 6" DOOR GRILLE - CLOSER
10	B		1 3/4"	WOOD	3'-0"	6'-8"		14" x 6" DOOR GRILLE - CLOSER
11	B		1 3/4"	WOOD	3'-0"	6'-8"		14" x 6" DOOR GRILLE - CLOSER
12	E		1 3/4"	WOOD	4'-8"	7'-5 3/4"	EXISTING	PR. DOORS WITH CLOSERS - NEW OAK STOP APPLIED TO EXISTING WD. FRAME
13	EXIST.							EXISTING DOORS - NEW HARDWARE
14	B		1 3/4"	WOOD	3'-0"	7'-5 3/4"		GLASS SIDELIGHTS SET IN EXISTING WOOD FRAME
15	D		1 3/4"	WOOD	3'-0"	7'-5 3/4"	EXISTING	NEW OAK STOP APPLIED TO EXISTING WOOD FRAME
16	D		1 3/4"	WOOD	3'-0"	6'-8"		
17	D		1 3/4"	WOOD	3'-0"	6'-8"		
18	E		1 3/4"	WOOD	4'-8"	7'-6"	EXISTING	PR. DRS. - DR. CLOSERS
19	D		1 3/4"	WOOD	3'-0"	7'-0"	EXISTING	

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



FRAME DETAILS @ 3" = 1'-0"



WOOD STUD ANCHOR - TYP. @ NEW WALLS

EXPANSION BOLT TO EXIST. MASONRY OPG.

NEW OPG. IN EXISTING WALL

MULLION @ GLASS SIDELIGHTS

WOOD MULLION @ DR. # 14 ONLY

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ROOM FINISH SCHEDULE
DOOR & FRAME SCHEDULE & DETAILS

A-1

scale	date	job no	drawn	checked
3/8 NOTED	28 FEB '69		JSF	

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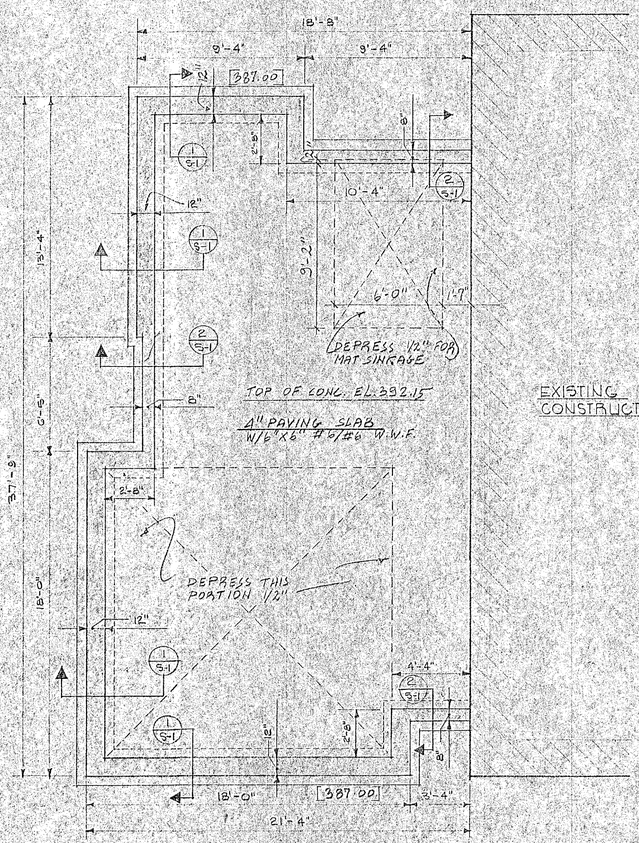
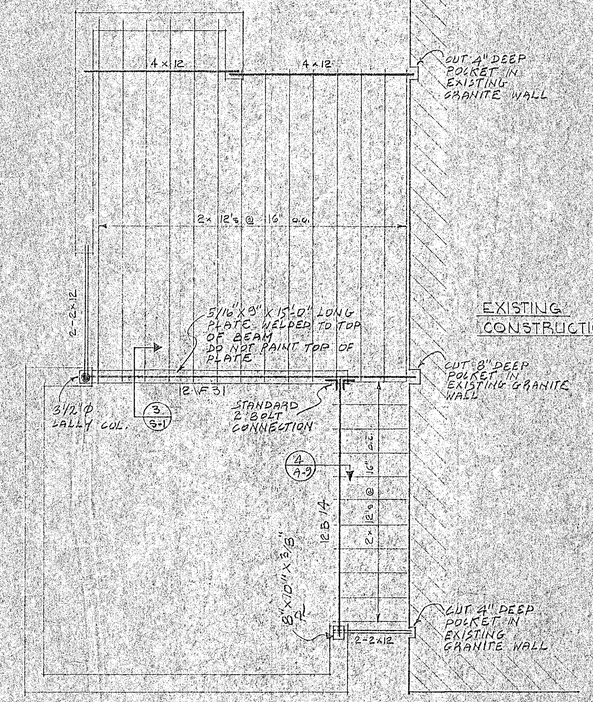
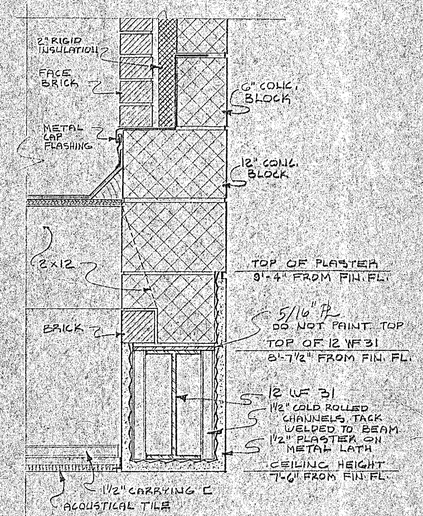


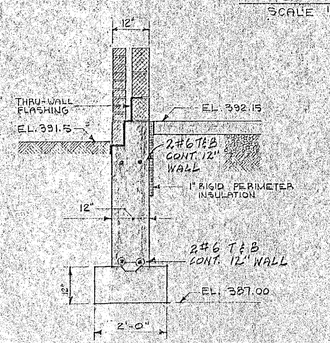
FOUNDATION PLAN
SCALE 1/4" = 1'-0"



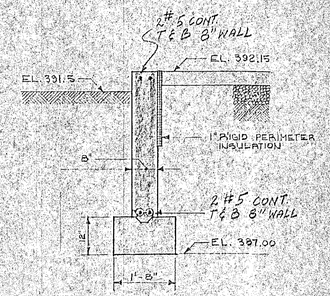
LOW ROOF FRAMING PLAN
SCALE 1/4" = 1'-0"



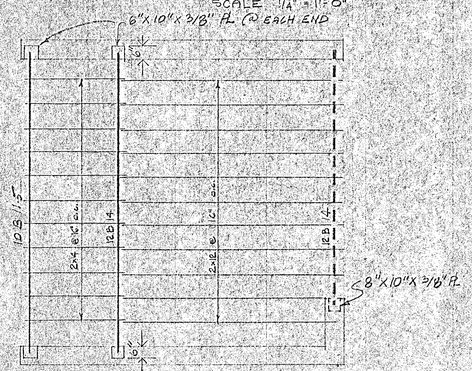
SECTION 3/S-1
SCALE 1 1/2" = 1'-0"



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



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



HIGH ROOF FRAMING
SCALE 1/4" = 1'-0"

GENERAL:

1. Structural drawings shall be used in conjunction with the architectural, mechanical, electrical and shop drawings and specifications.
2. Shop drawings for reinforcing steel and structural steel shall be submitted to the Architect and a stamped approval received before fabrication can proceed.
3. All dimensions and conditions must be verified in the field and any discrepancies shall be brought to the attention of the architect before proceeding with the affected portion of the work.
4. Unless otherwise indicated, details shown on any drawing are to be considered typical for all similar conditions.

DESIGN LIVE LOADS:

ROOF: 40 psf except 80 psf in flat valley adjacent to existing building.

FOUNDATION:

1. The bottom surface of all footings shall rest on approved material having an allowable bearing value of at least 2 tons per square foot. The estimated elevation of bottom of footings indicated thus (0.00'). All exterior footings shall be a minimum of 4'-0" below finish grade.
2. All keys shall be 2"x4" with beveled sides.
3. Horizontal construction joints shall be as indicated on the drawings. Vertical construction joints shall be formed where necessary with standard key and all reinforcing extending 40 diameters.
4. No backfill shall be placed against foundation wall retaining earth unless walls are adequately braced to prevent movement or structural damage.

CONCRETE:

1. All concrete shall have a compressive strength of at least 3000 psi at 28 days.
2. All reinforcing bars shall be ASTM-615 grade 40 for all steel.
3. Lap all bars 40 diameters.
4. All welded wire fabric shall conform to ASTM-185. Lap 6" at joints and tie at 3'-0" o.c.
5. Clear concrete protection for reinforcing steel: a) footings: 3"; b) walls: 2"; slabs on ground: 1" from top.
6. Details not shown on drawings shall be in accordance with ACI Detailing Manual 315-57.

STEEL:

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." ASTM A-36.
2. All shop connections shall be welded.
3. All field connections shall be bolted unless otherwise indicated. (ASTM-A325)
4. Provide 1/8" thick leveling plate under all column base plates.
5. Provide 2-- 3/4" diameter anchor bolts x 18" leg per column.
6. Provide 3/8" stiffener plates at all beams over columns.
7. Leveling plates shall be set and grouted solid before erection of columns.

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STRUCTURAL PLANS & DETAILS					S-1
scale AS NOTED	date 28 FEB '68	job no.	drawn JSF	checked	

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LEGEND
S or W SOIL OR WASTE BELOW GRADE
EX. COMBINED SAN. & COND. BELOW GRADE
V VENT BELOW GRADE
VENT ABOVE GRADE
C.W. COLD WATER
H.W. HOT WATER
GATE VALVE
CHECK VALVE
F.C.O. FLUSH CLEANOUT
EX. EXISTING
V.T.R. VENT THRU ROOF
W.S. WASTE STACK
V.S. VENT STACK
NOTES
1. PITCH ALL SANITARY LINES 1/4" PER FOOT WHERE POSSIBLE.
2. SUPPORT ALL UNDERGROUND PIPING FROM FLR. SLAB WITH WROUGHT IRON "U" HANGERS WHEREVER DIRECTED BY ARCHITECT.
BOILER ROOM
RELOCATE EX. ELECTRIC HOT WATER HTR. MAKE CONNECTIONS AS SHOWN ON DETAIL AT LEFT.
3/4" CW
3/4" HW
REMOVE EX. SERVICES TO EXIST. TOILET IN BASEMENT. RELOCATE & RUN CW MAIN AS SHOWN.
ABOVE CLG.
EX. CW
1" CW
2" W & V
3/4" HW
2" W & V
2" V DN (P-1)
2" W & V (P-3)
4" VS
2" V DN (P-1)
2" V DN (P-1)
MEN
WOMEN
LIBRARIAN
P-4
F.C.O.
1 1/4" W DN
1 1/4" W IN PARTITION WALL
1 1/4" V UP TO HUNG CLG.
EX. F.C.O.
EX. S & COND. (COMBINED)
EX.
NEW CONNECTION
EX. COMBINED SAN. & COND. DRAIN TO SEPTIC TANK. LEAVE AS IS.
4" S
3" W
RUN ABOVE CLG.
2" WS UP & 2N
4" VS UP
1/2" HW UP
1/2" CW UP
"DRYER UNIT" (SEE SPECS.) BY PLBG. CONTR.
1 1/2" W & V
1 1/2" W, 1/2" CW & 1/2" HW TO SINK
2" WS DN
4" VS UP & 4" V.T.R.
1/2" HW DN
1/2" CW DN
BASEMENT FLOOR PLAN ~ PLUMBING
1/4" = 1'-0"
PART PLAN 2ND FLOOR ~ PLUMBING
3/4" CHECK VALVE
GATE VALVE (TYP.)
P & T RELIEF VALVE (1/2")
FOR CONT. SEE PLAN RIGHT
3/4" HW
RELIEF DRAIN TERMINATE 6" AB. FLR.
VACUUM VALVE
20 GAL. ELEC. HOT WATER HEATER & STORAGE TANK (EX.)
3/4" CW
1/2" DRAIN VALVE
DETAIL ~ HOT WATER HEATER
NO SCALE
CAST STEEL COVER
FINISHED FLOOR
CLEANOUT PLUG
CAST STEEL HOUSING
C.I. FERRULE LENGTH TO SUIT
4"
DETAIL ~ TYPICAL FLUSH CLEANOUT
NO SCALE
GATE VALVES (TYP.)
FIRST FLOOR
4" VS
FOR CONT. SEE PLAN RIGHT
1 1/4" CW
3/4" HW
1/2" HW
1/2" CW
FOR CONT. SEE PLAN @ RIGHT
P-1
P-3
P-2
P-2A
NOTE: CONNECTIONS TO P-4 NOT SHOWN
BASEMENT
2" W
4" S
FOR CONT. SEE PLAN @ RIGHT
SANITARY & SUPPLY RISER DIAGRAMS
NO SCALE
REGISTERED ARCHITECT WALTER L. HILL No. 1330 LINCOLN, MASS. COMMONWEALTH OF MASSACHUSETTS
J.V. Fletcher Library – Westford, Massachusetts
PLUMBING LAYOUT & DETAILS
scale AS NOTED
date
job no.
drawn E.A.
checked C.V.
P1
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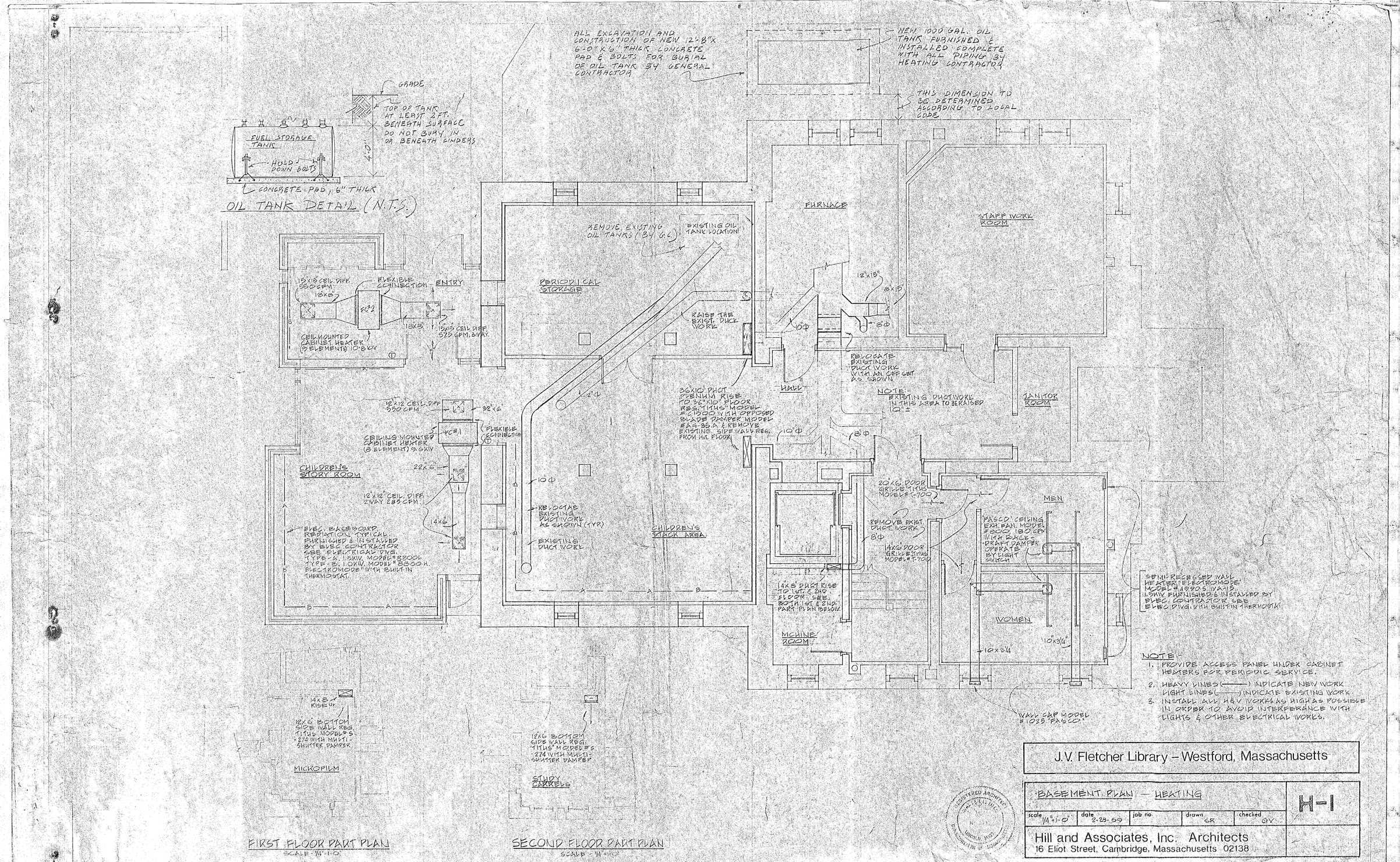

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BASEMENT PLAN — HEATING

H-1

scale	date	job no.	drawn	checked
1/4"=1'-0"	2-28-69		GR	GV

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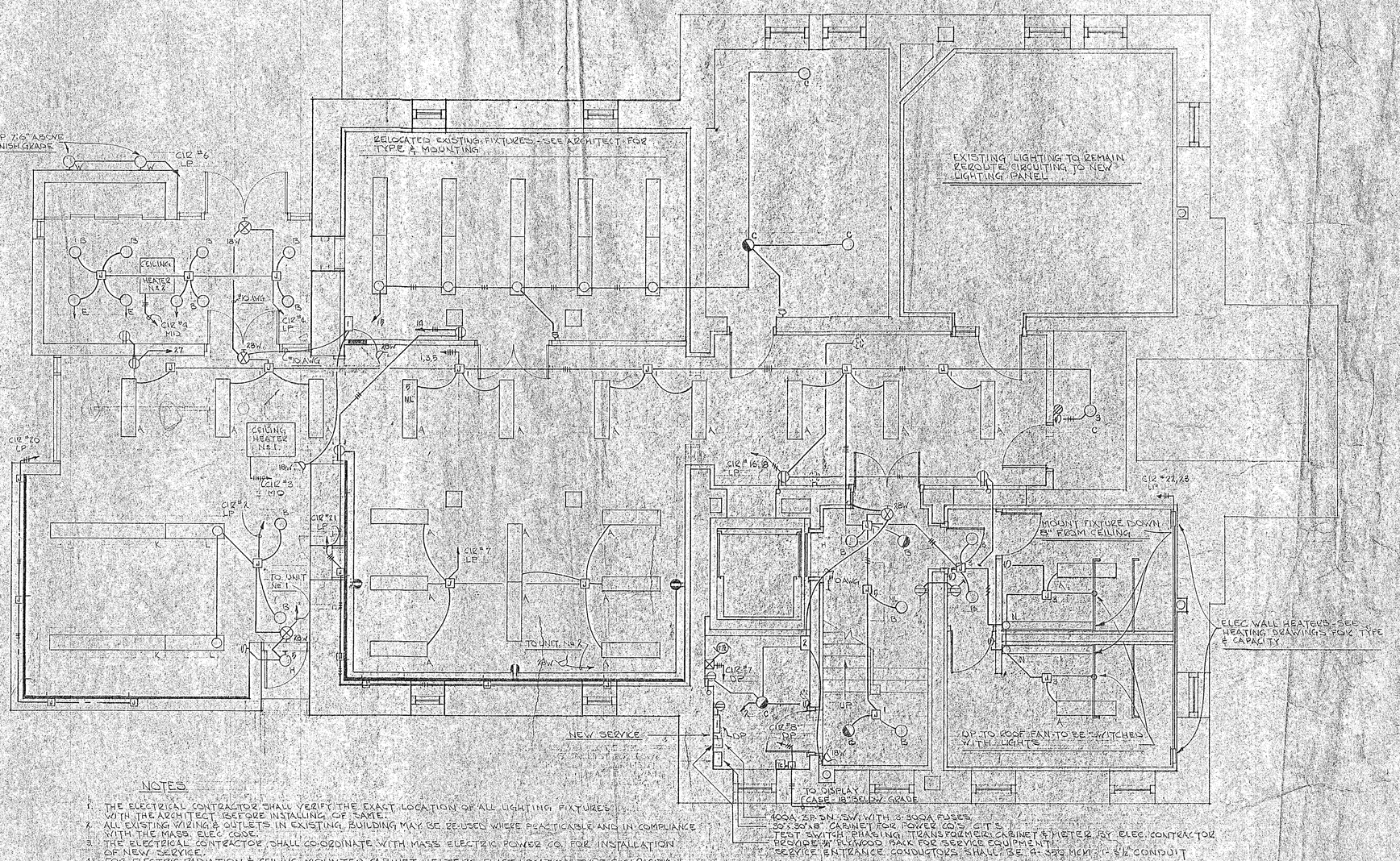

NOTES

1. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH THE ARCHITECT BEFORE INSTALLING OF SAME.
2. ALL EXISTING WIRING & OUTLETS IN EXISTING BUILDING MAY BE RE-USED WHERE PRACTICABLE AND IN COMPLIANCE WITH THE MASS. ELEC. CODE.
3. THE ELECTRICAL CONTRACTOR SHALL CO-ORDINATE WITH MASS ELECTRIC POWER CO. FOR INSTALLATION OF NEW SERVICE.
4. FOR ELECTRIC RADIATION & CEILING MOUNTED CABINET HEATERS EXACT LOCATION, TYPE & CAPACITY SEE HEATING DRAWINGS.
5. ELECTRIC RADIATION TO BE FURNISHED AND INSTALLED BY ELEC. CONTRACTOR. CEILING MOUNTED CABINET HEATERS FURNISHED & INSTALLED BY OTHERS WIRED BY ELEC. CONTRACTOR. SEMI-RECESSED WALL HEATERS FURNISHED AND INSTALLED BY ELEC. CONTRACTOR. ALL BASEBOARD RADIATION SHALL HAVE WALL TO WALL COVER.
6. CIR. Nos. 1-4 & 6-13 SHALL BE SWITCHED FROM "LP".

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BASEMENT — ELECTRICAL

scale	date	job no.	drawn	checked
1/4	28 Feb. '69		DEG	CMP

E-1

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EMERGENCY BATTERY UNITS	
No 1	DUAL LITE No AS-164-B
No 2	DUAL LITE No AS-126-B
No 3	DUAL LITE No AS-88-B
No 4	DUAL LITE No AS-164-1
	EXIT LIGHTS SHALL BE DUAL LITE No X-4000 DC WATTAGE AS SHOWN ON DRAWINGS.
	EMERGENCY HEADS SHALL BE DUAL LITE No NF-500 WATTAGE AS SHOWN ON DRAWINGS.

400 A MAIN LUGS

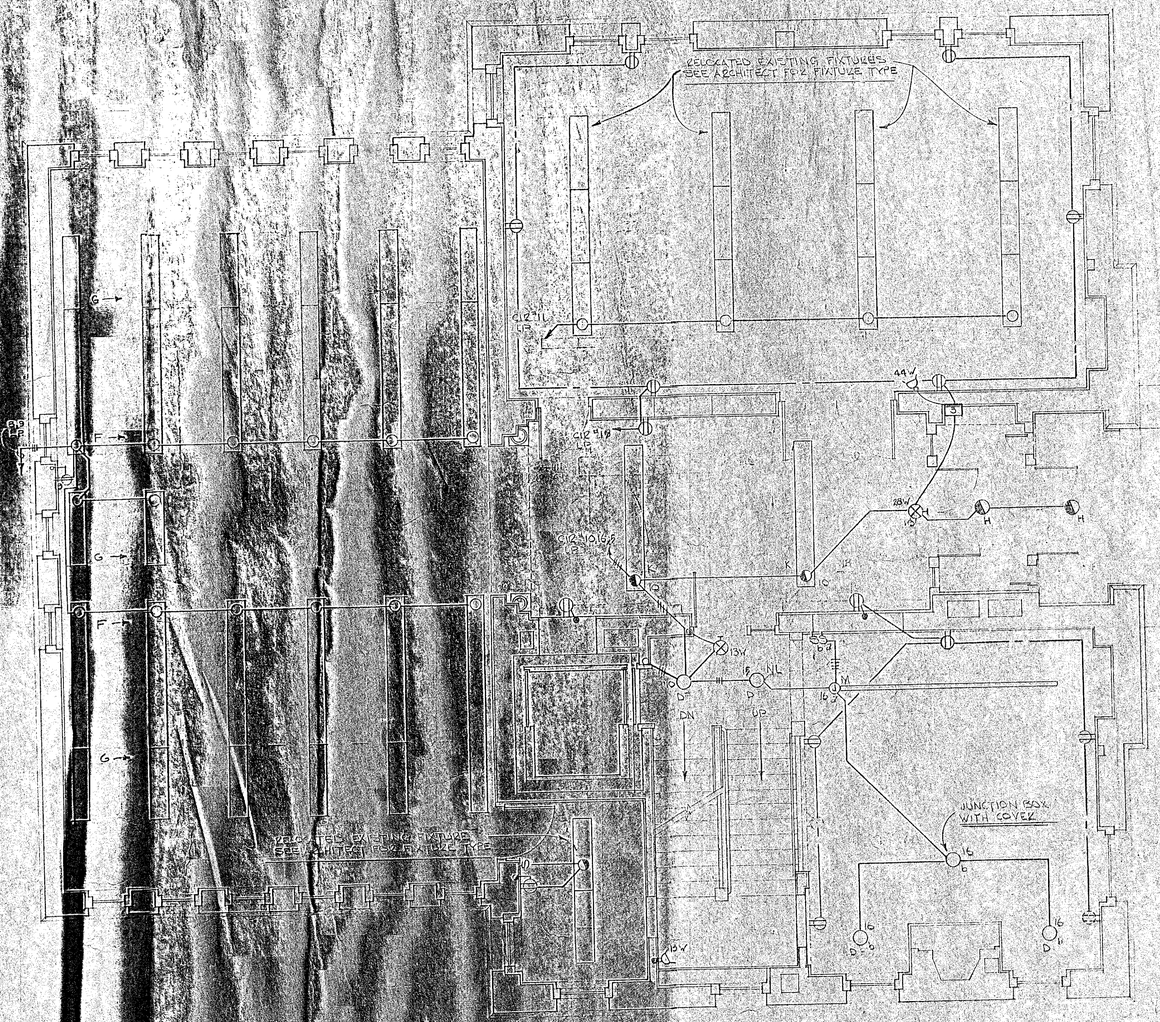
MAIN DISTRIBUTION PANEL SCHEDULE

CIR No	FOR	BRANCH C.B. AMPS	BRANCH C.B. POLES	FEEDER	LOAD CONN.
1	NEW LIGHTING PANEL	125	3	4#1-2" EMT	[illegible]
2	DWYER UNIT	20	3	4#12-3/4" EMT	[illegible]
3	CEILING MTD CABINET HT'ER	30	3	4#10-1" EMT	[illegible]
4	CEILING MTD CABINET HT'ER	30	3	4#10-1" EMT	[illegible]
5	LIGHTING	15	1	2#12-1/2" EMT	[illegible]
6	EXISTING HOT WATER HEATER	20	1	2#12-1/2" EMT	[illegible]
7	ELEVATOR MOTOR	60	3	3#8-1" EMT	[illegible]
8	DISPLAY CASE-OUTSIDE	20	1	3#12-UF CABLE	[illegible]
9	SPARE	20	1		
10	SPARE	20	1		
	SPACES		10		

LIGHTING PANEL SCHEDULE

15A MAIN LUGS

PANEL	CIRCUIT BREAKERS 1P-20	2P-20	3P-20	SPACES	SPARE	LOCATION	REMARKS
LP	125	2	2	3	4	BASEMENT-CORRIDOR WALL	120/208-3Ø-4W-SN



FIRST FLOOR — ELECTRICAL

scale 1/4"=1'-0"	date 28 FEB. '69	job no	drawn	checked

E-2

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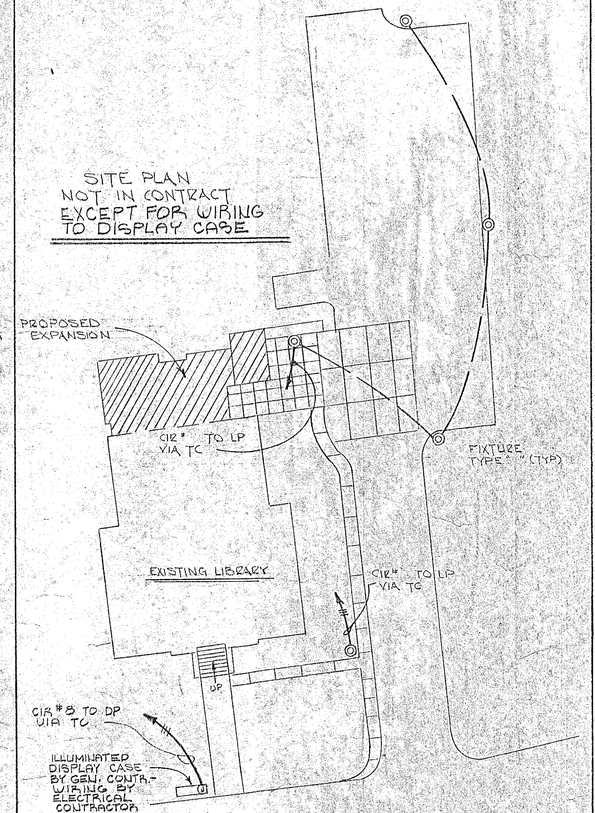
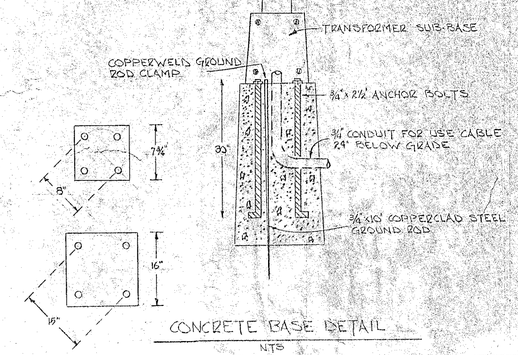
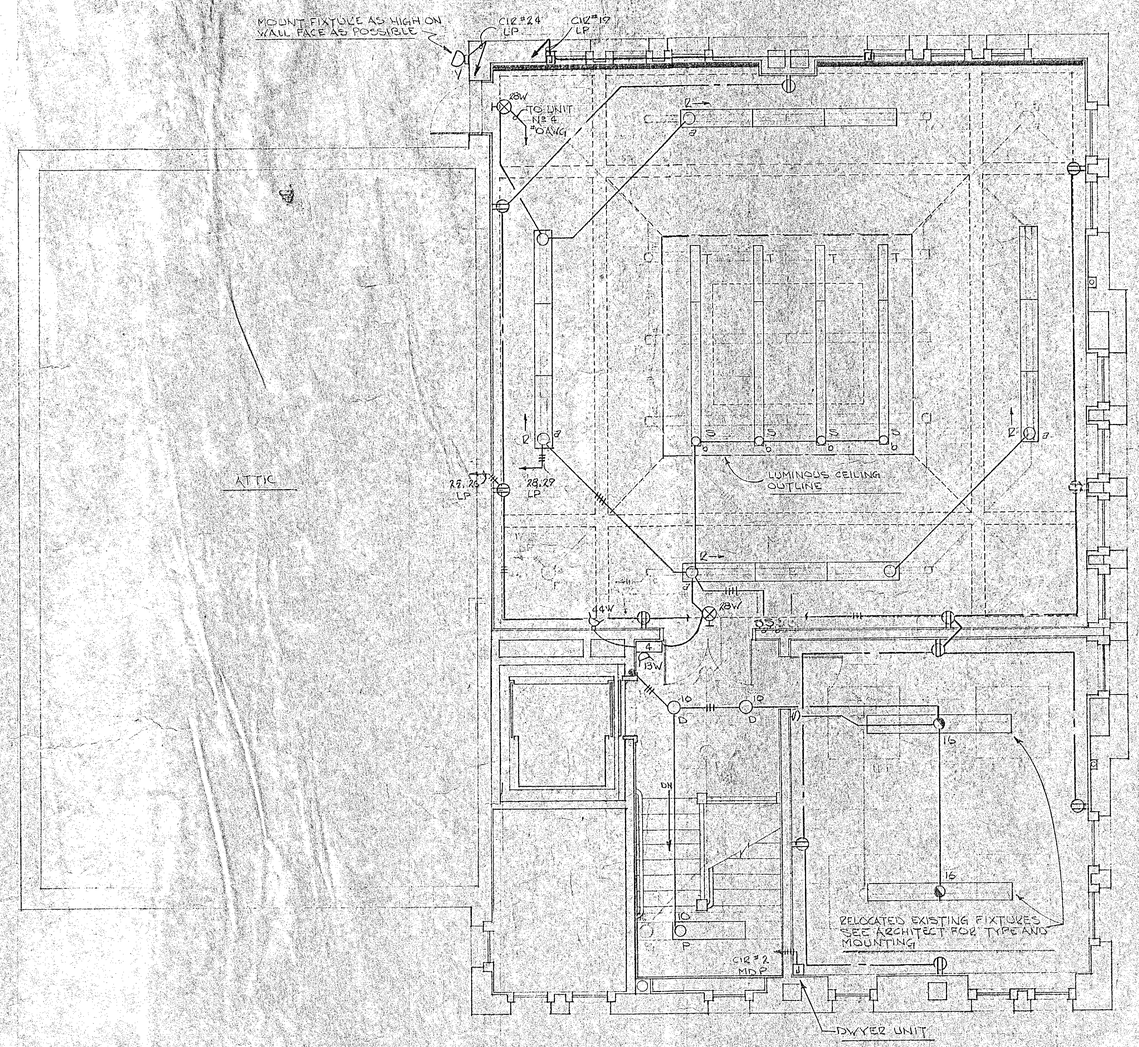
SITE PLAN
NOT IN CONTRACT
EXCEPT FOR WIRING
TO DISPLAY CASE



SITE PLAN
1" = 20'-0"



CONCRETE BASE DETAIL
NTS



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SECOND FLOOR — ELECTRICAL				E-3
scale 1/16"	date 28 FEB '68	job no	drawn DEG	checked
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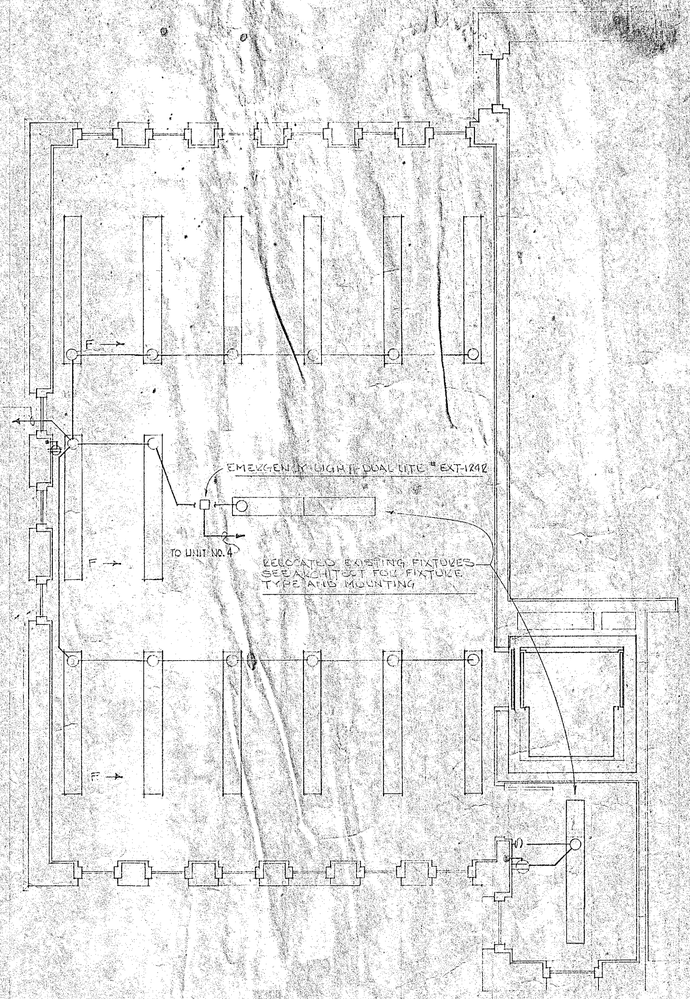
LEGEND

- LP — L3,9 — HOMERUN TO PANELBOARD "LP" CIRCUITS "L3,9" - TICKS EQUAL NUMBER OF WIRES
- RACEWAY CONCEALED IN CEILING OR WALL
- RACEWAY CONCEALED IN OR UNDER FLOOR
- CEILING OUTLET & FLUORESCENT FIXTURE "A" DENOTES FIXTURE TYPE
- CEILING OUTLET & INCANDESCENT FIXTURE - "a" DENOTES FIXTURE CONTROL
- CEILING OUTLET & INCANDESCENT TRACK LIGHTING
- WALL OUTLET & EXIT LIGHT "x" INDICATES CIRCUIT CONTROL
- POLE MOUNTED FLOOD LIGHT
- D CEILING OR WALL OUTLET & EMERGENCY FLOOD LIGHT
- WALL OUTLET & M.V. FLOOD LIGHT
- DUPLEX RECEPTACLE GROUNDING TYPE - 15" AFF
- DUPLEX RECEPTACLE GROUNDING TYPE - 24" AFF
- EXISTING CEILING OUTLET
- S_a SINGLE POLE SWITCH - "a" DENOTES SWITCH CONTROL - 48" AFF
- EXISTING DUPLEX RECEPTACLE
- ELECTRIC BASEBOARD RADIATION
- LIGHTING PANEL - RECESSED IN WALL - 6'-6" TO TOP
- (J) JUNCTION BOX
- BRANCH CIRCUIT TURNING UP
- BRANCH CIRCUIT TURNING DOWN



FIXTURE SCHEDULE

TYPE	LAMPS	DESCRIPTION	REFERENCE	MOUNTING
A	2-F40CW	1'x4' RECESSED FIXTURE WITH VIRGIN ACRYLIC HOLOPHANE LENS	CURTIS ELECTRO "GTF 0150-240"	RECESSED CEILING
B	1-150W	INCANDESCENT DOWNLIGHT WITH BLACK MILLIGROVE BAFFLE & TRIM	PRESCOLITE "1089-720"	RECESSED CEILING
C	2-75W	INCANDESCENT FIXTURE WITH ALUM. TRIM, MOULDED GLASSWARE & CLEAR LENS	PERFECLITE "HH-41"	SURFACE CEILING
D	1-150 240 FLOODS	INCANDESCENT DOWNLIGHT CYLINDER WITH MATTE WHITE FINISH	PRESCOLITE "7671"	SURFACE CEILING
E	1-150 240 FLOODS	INCANDESCENT WALL WASH WITH MATTE BLACK SHIELD	PRESCOLITE "1289-928"	RECESSED CEILING
F	2-F40CW TANDEM	SURFACE FLUORESCENT WITH ONE PIECE EXTRUDED ACRYLIC SHIELD	KEYSTONE "UN-140-B"	SURFACE CEILING
G	1-F40CW	SAME AS ABOVE EXCEPT 4' LONG	KEYSTONE # UN-140	SURFACE CEILING
H	1-150W	INCANDESCENT FIXTURE WITH ROUND GLASS GLOBE & MATTE WHITE CANOPY	PRESCOLITE "ACFIG"	SURFACE CEILING
① K	2-F96T12/CW	FLUORESCENT FIXTURE WITH BLACK METAL SIDES & 1/2" CUBE PLASTIC GRID LOUVER	LITECONTROL # 3248-CS-FG-[illegible]	RECESSED CEILING
① L	2-F40/CW	SAME AS ABOVE EXCEPT 4' LONG	LITECONTROL # 3824-25-P-[illegible]	RECESSED CEILING
M	——	SURFACE MOUNTED TRACK	PRESCOLITE "4' STARTER" # [illegible] 3' EXTENDER # [illegible]	SURFACE CEILING
N	2-F30T12/CW	FLUORESCENT FIXTURE WITH MOULDED PLYWOOD SHIELDING - FINISH BY ARCH.	LAM # FA-226-[illegible]/8	WALL
P	1-F96T12/CW 190-3	FLUORESCENT WALL WASH WITH HOLOPHANE 6094 ACRYLIC DIFFUSER	CURTIS ELECTRO "WW-6094-148-[illegible] PLASTIC FRAME # PFA-[illegible]-48"	RECESSED CEILING
R	2-F40/CW	FLUORESCENT FIXTURE WITH WHITE ENAMEL STEEL SIDES & 1"x1" 1/8" GRID LOUVER	GLOTRO # [illegible]	SURFACE CEILING
S	2-F40/CW TANDEM	4'x8' FLUORESCENT STRIP LIGHTING	CURTIS ELECTRO # [illegible]	WALL
T	1-F30/CW	4'x3' FLUORESCENT STRIP LIGHTING	CURTIS ELECTRO # [illegible]	ABOVE CEILING
V	1-H1000W 36-15	WALL MOUNTED FLOOD LIGHT - MV	STONCO # A-[illegible]-CW-208V CATALOG	SURFACE WALL
W	1-100W	INCANDESCENT FIXTURE WITH DIE CAST ALUMINUM BRACKET & FLUTED GLASS GLOBE	PRESCOLITE "[illegible]"	SURFACE WALL

① MOUNTING HEIGHT AS DIRECTED BY THE ARCHITECT

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UPPER STACK — ELECTRICAL

scale	date	job no	
1/8" = 1'-0"	28 FEB. '62		

E-4

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