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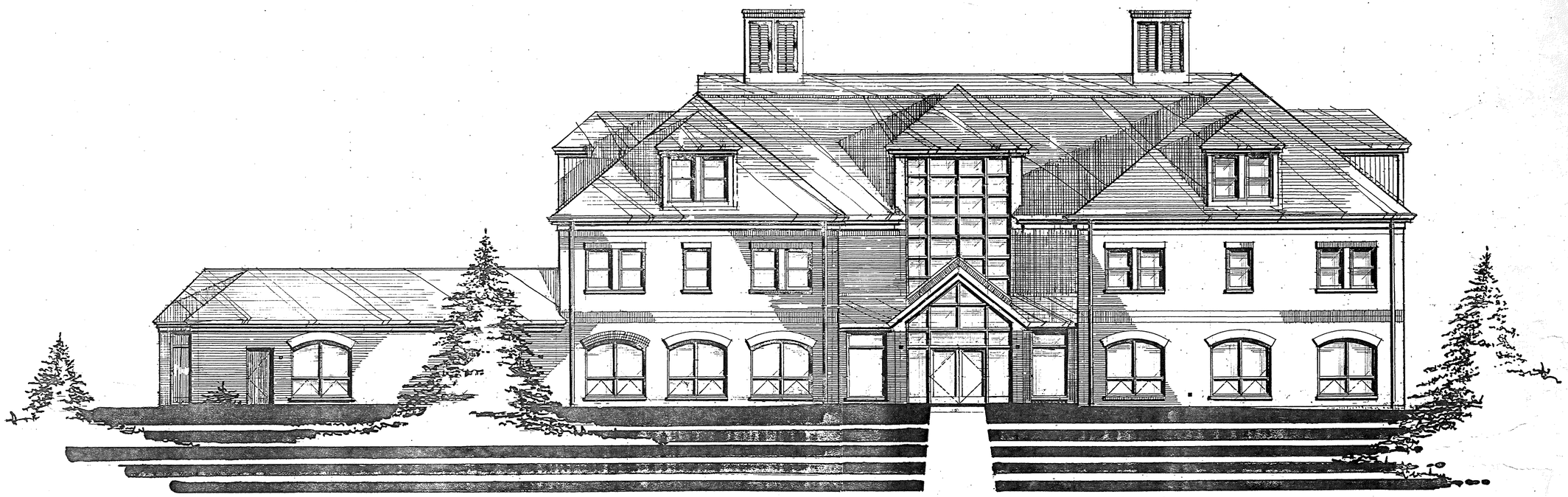
E-11 Diagrams & Details



MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER

127 NORWICH AVENUE, COLCHESTER, CONNECTICUT

AUGUST 1, 1988

PETER ABEL INC.
ARCHITECTS / PLANNERS
P.O. BOX 210, 21 S. MAIN ST.
MARLBOROUGH, CONN., 06447

R.A. GOODELL & ASSOC., INC.
CONSULTING ENGINEERS
31 CONCORD STREET
GLASTONBURY, CONN., 06033

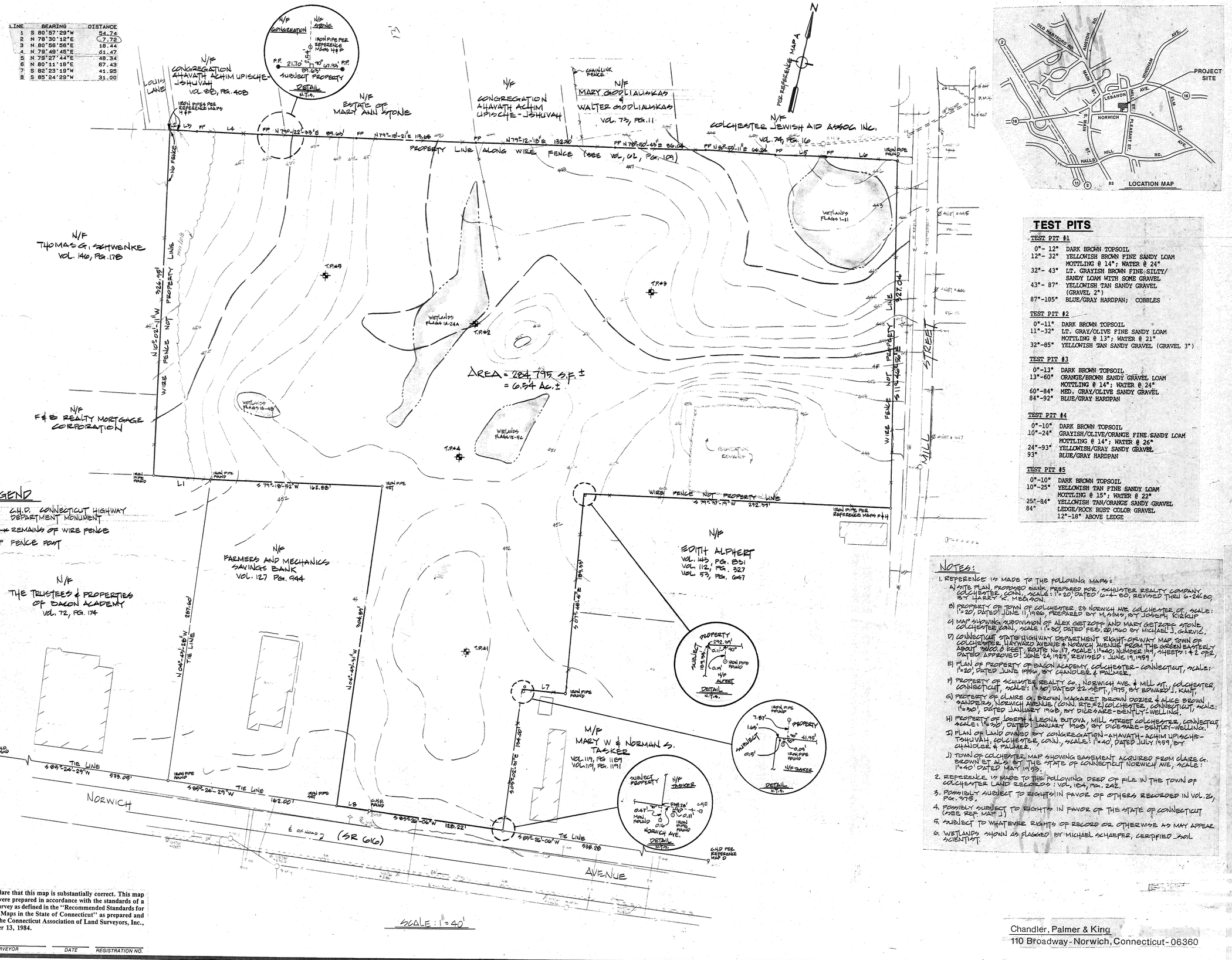
BUILDING COMMITTEE
FRANKLIN JACKTER, CHAIRMAN
FRANCIS DUNCAN GREEN JR.
DEAN CONRAD
PATRICIA BARTON
ROBERT HURWIT

CIANCI & CIANCI
STRUCTURAL ENGINEERS
198 WETHERSFIELD AVE.
HARTFORD, CONN., 06114

CUMMINGS & LAFAYETTE
CONSULTING ENGINEERS
317 MAIN STREET
NORWICH, CONN., 06360

PROJECT No. 8604

LINE	BEARING	DISTANCE
1	S 80°57'29"W	54.74
2	N 78°30'12"E	7.72
3	N 80°56'56"E	18.44
4	N 79°49'45"E	61.47
5	N 79°27'44"E	48.34
6	N 80°11'18"E	67.43
7	S 82°23'19"W	41.95
8	S 85°24'29"W	31.00



TEST PITS

TEST PIT #1

0"- 12"	DARK BROWN TOPSOIL
12"- 32"	YELLOWISH BROWN FINE SANDY LOAM MOTTLING @ 14"; WATER @ 24"
32"- 43"	LT. GRAYISH BROWN FINE SILTY/ SANDY LOAM WITH SOME GRAVEL
43"- 87"	YELLOWISH TAN SANDY GRAVEL (GRAVEL 2")
87"-105"	BLUE/GRAY HARDPAN; COBBLES

TEST PIT #2

0"-11"	DARK BROWN TOPSOIL
11"-32"	LT. GRAY/OLIVE FINE SANDY LOAM MOTTLING @ 13"; WATER @ 21"
32"-85"	YELLOWISH TAN SANDY GRAVEL (GRAVEL 3")

TEST PIT #3

0"-13"	DARK BROWN TOPSOIL
13"-60"	ORANGE/BROWN SANDY GRAVEL LOAM MOTTLING @ 14"; WATER @ 24"
60"-84"	MED. GRAY/OLIVE SANDY GRAVEL
84"-92"	BLUE/GRAY HARDPAN

TEST PIT #4

0"-10"	DARK BROWN TOPSOIL
10"-24"	GRAYISH/OLIVE/ORANGE FINE SANDY LOAM MOTTLING @ 14"; WATER @ 26"
24"-93"	YELLOWISH/GRAY SANDY GRAVEL
93"	BLUE/GRAY HARDPAN

TEST PIT #5

0"-10"	DARK BROWN TOPSOIL
10"-25"	YELLOWISH TAN FINE SANDY LOAM MOTTLING @ 15"; WATER @ 22"
25"-84"	YELLOWISH TAN/ORANGE SANDY GRAVEL
84"	LEDGE/ROCK RUST COLOR GRAVEL 12"-18" ABOVE LEDGE

NOTES:

1. REFERENCE IS MADE TO THE FOLLOWING MAPS:
   - A) SITE PLAN, PROPOSED BANK, PREPARED FOR, SCHUSTER REALTY COMPANY, COLCHESTER, CONN., SCALE: 1"=20', DATED 6-4-80, REVISED THRU 6-24-80, BY HARRY K. MEGSON.
   - B) PROPERTY OF TOWN OF COLCHESTER, 23 NORWICH AVE. COLCHESTER, CT., SCALE: 1"=20', DATED JUNE 11, 1986, PREPARED BY M.S.M.S., BY JOSEPH KIRKUP
   - C) MAP SHOWING SUBDIVISION OF ALEX GETZOFF AND MARY GETZOFF STONE, COLCHESTER, CONN., SCALE: 1"=80', DATED FEB. 28, 1960 BY MICHAEL J. GARVIL.
   - D) CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT-OF-WAY MAP, TOWN OF COLCHESTER, HAYWARD AVENUE & NORWICH AVENUE, FROM THE GREEN EASTERLY ABOUT 30000.0 FEET, ROUTE No. 17, SCALE: 1"=40', NUMBER 194, SHEETS 1 & 2 OF 2, DATED APPROVED: JUNE 24, 1929, REVISED: JUNE 19, 1959.
   - E) PLAN OF PROPERTY OF BACON ACADEMY, COLCHESTER-CONNECTICUT, SCALE: 1"=20', DATED JUNE 1956, BY CHANDLER & PALMER.
   - F) PROPERTY OF SCHUSTER REALTY CO., NORWICH AVE. & MILL ST., COLCHESTER, CONNECTICUT, SCALE: 1"=30', DATED 22 SEPT., 1975, BY EDWARD J. KANT.
   - G) PROPERTY OF CLAIRE G. BROWN, MARGARET BROWN DOZIER & ALICE BROWN SANDERS, NORWICH AVENUE (CONN. RTE. #2) COLCHESTER, CONNECTICUT, SCALE: 1"=30', DATED JANUARY 1968, BY DICESARE-BENTLY-WELLING.
   - H) PROPERTY OF JOSEPH & LEONA BUTOVA, MILL STREET COLCHESTER, CONNECTICUT SCALE: 1"=30', DATED JANUARY 1968, BY DICESARE-BENTLEY-WELLING.
   - I) PLAN OF LAND OWNED BY CONGREGATION-AHAVATH-ACHIM UPISCHE-TSHUVAH, COLCHESTER, CONN., SCALE: 1"=40, DATED JULY 1959, BY CHANDLER & PALMER.
   - J) TOWN OF COLCHESTER MAP SHOWING EASEMENT ACQUIRED FROM CLAIRE G. BROWN ET AL'S BY THE STATE OF CONNECTICUT NORWICH AVE, SCALE: 1"=40' DATED MAY 1953.
2. REFERENCE IS MADE TO THE FOLLOWING DEED OF FILE IN THE TOWN OF COLCHESTER LAND RECORDS: VOL. 154, PG. 242.
3. POSSIBLY SUBJECT TO RIGHTS IN FAVOR OF OTHERS RECORDED IN VOL. 26, PG. 375.
4. POSSIBLY SUBJECT TO RIGHTS IN FAVOR OF THE STATE OF CONNECTICUT (SEE REF. MAP J)
5. SUBJECT TO WHATEVER RIGHTS OF RECORD OR OTHERWISE AS MAY APPEAR.
6. WETLANDS SHOWN AS FLAGGED BY MICHAEL SCHAEFER, CERTIFIED SOIL SCIENTIST.

I hereby declare that this map is substantially correct. This map and survey were prepared in accordance with the standards of a Class ___ survey as defined in the "Recommended Standards for Surveys and Maps in the State of Connecticut" as prepared and adopted by the Connecticut Association of Land Surveyors, Inc., on September 13, 1984.

SURVEYOR _____ DATE _____ REGISTRATION NO. _____

Chandler, Palmer & King
110 Broadway - Norwich, Connecticut - 06360

Cummings & Lafayette
CONSULTING ENGINEERS
317 MAIN STREET
NORWICH, CONNECTICUT 06360
(203)-886 1966

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER

NORWICH AVE.
COLCHESTER, CONNECTICUT

Peter Abel Inc.
Architects/Planners
P.O. Box 210
21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

EXISTING SITE PLAN

PROJECT NO. 8604
SCALE 1"=40'
DRAWN BY T.A.W.
CHECKED BY T.K.G.
DATE AUGUST, 1986

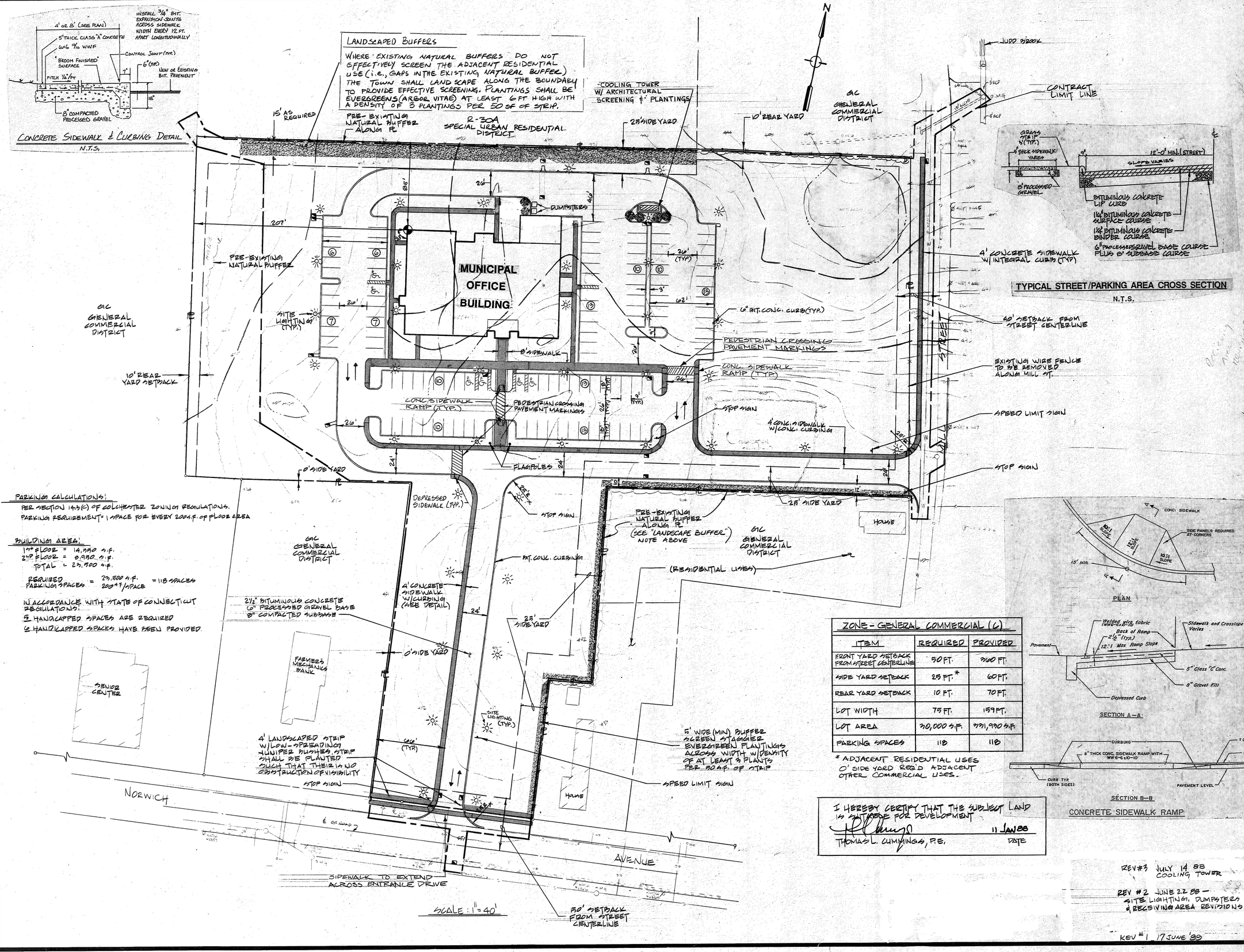
L 1

CONCRETE SIDEWALK & CURBING DETAIL

N.T.S.

LANDSCAPED BUFFERS

WHERE EXISTING NATURAL BUFFERS DO NOT EFFECTIVELY SCREEN THE ADJACENT RESIDENTIAL USE (i.e., GAPS IN THE EXISTING NATURAL BUFFER) THE TOWN SHALL LANDSCAPE ALONG THE BOUNDARY TO PROVIDE EFFECTIVE SCREENING. PLANTINGS SHALL BE EVERGREENS (ARBOR VITAE) AT LEAST 6 FT HIGH WITH A DENSITY OF 3 PLANTINGS PER 50 SF OF STRIP.



PARKING CALCULATIONS:

PER SECTION 14.5(C) OF COLCHESTER ZONING REGULATIONS.
PARKING REQUIREMENT = 1 SPACE FOR EVERY 200 S.F. OF FLOOR AREA

BUILDINGS AREA:

1ST FLOOR = 14,950 S.F.
2ND FLOOR = 8,950 S.F.
TOTAL = 23,900 S.F.

REQUIRED PARKING SPACES = 23,900 S.F. / 200 S.F./SPACE = 118 SPACES

IN ACCORDANCE WITH STATE OF CONNECTICUT REGULATIONS:
5 HANDICAPPED SPACES ARE REQUIRED
6 HANDICAPPED SPACES HAVE BEEN PROVIDED

ZONE - GENERAL COMMERCIAL (G)		
ITEM	REQUIRED	PROVIDED
FRONT YARD SETBACK FROM STREET CENTERLINE	50 FT.	3160 FT.
SIDE YARD SETBACK	25 FT.*	60 FT.
REAR YARD SETBACK	10 FT.	70 FT.
LOT WIDTH	75 FT.	199 FT.
LOT AREA	30,000 S.F.	331,930 S.F.
PARKING SPACES	118	118

* ADJACENT RESIDENTIAL USES O' SIDE YARD REQ'D ADJACENT OTHER COMMERCIAL USES.

I HEREBY CERTIFY THAT THE SUBJECT LAND IS SUITABLE FOR DEVELOPMENT

THOMAS L. CUMMINGS, P.E. — 11 JAN 88 — DATE

REV#3 JULY 14 88 COOLING TOWER

REV #2 JUNE 22 88 — SITE LIGHTING, DUMPSTERS & RECEIVING AREA REVISIONS

REV #1 17 JUNE '88

SCALE: 1"=40'

Cummings & Lafayette
CONSULTING ENGINEERS
317 MAIN STREET
NORWICH, CONNECTICUT 06360
(203)-886 1966

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER
NORWICH AVE.
COLCHESTER, CONNECTICUT

Peter Abel Inc.
Architects Planners
P.O. Box 210
21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

SITE DEVELOPMENT / ZONING PLAN

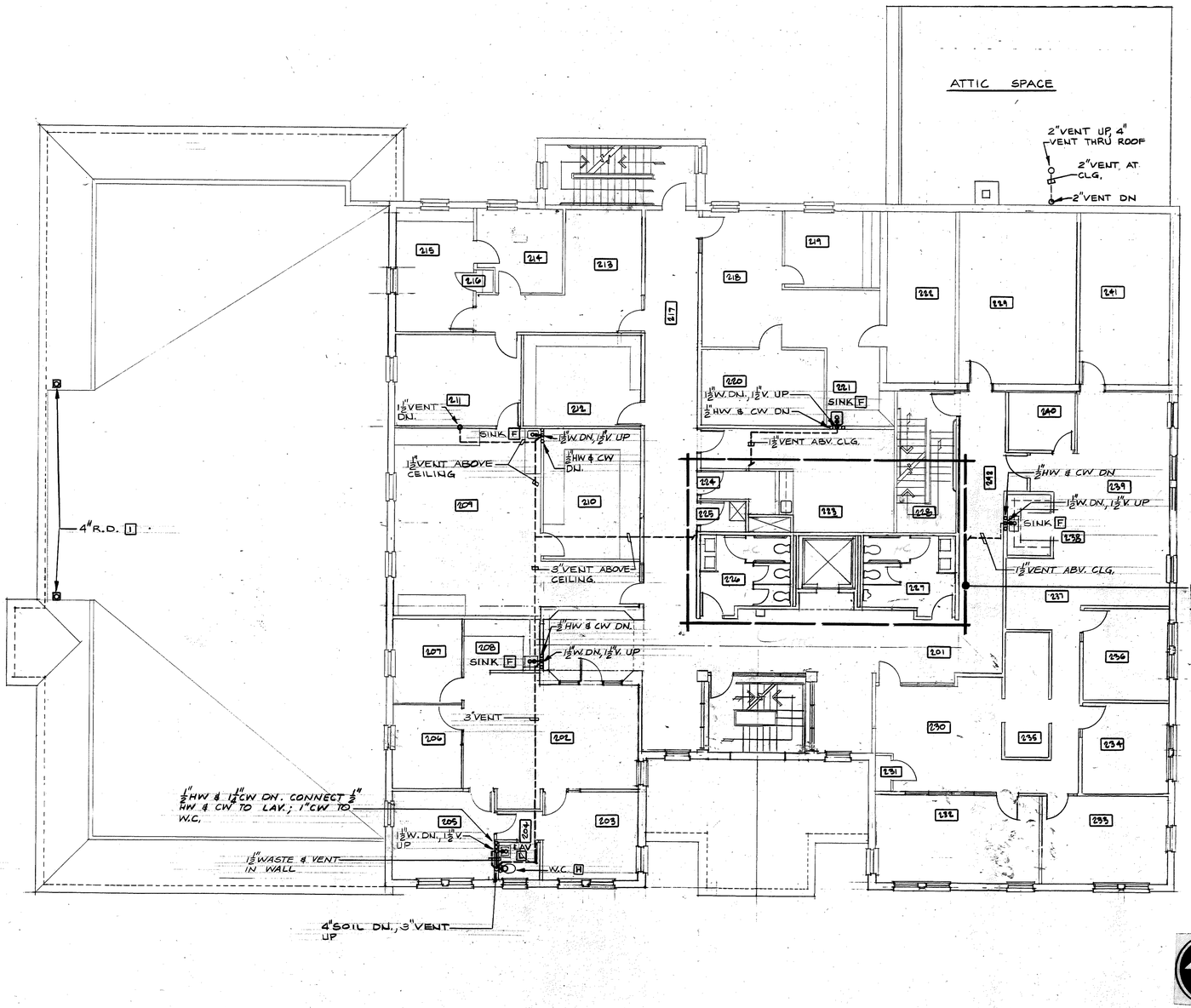
PROJECT NO. 8604
SCALE: 1"=40'
DRAWN BY: T.A.W.
CHECKED BY: T.K.G.
DATE: AUGUST 1988

L 2

CL-87-337

SECOND FLOOR

NO.	NAME
201	CORRIDOR 'A-1'
202	TOWN ADMINISTRATION
203	SELECTMAN
204	TOILET
205	CONFERENCE
206	OFFICE
207	OFFICE
208	WORK ROOM
209	PAYROLL/ACCOUNTING
210	RECORD STORAGE
211	CONF/FUTURE COMPUTER
212	PHOTOCOPY/STORAGE
213	SEC/RECP'T
214	OFFICE
215	OFFICE
216	CLOSET
217	CORRIDOR 'C-1'
218	SEC/RECP'T (PROBATE)
219	OFFICE
220	CHAMBERS
221	WORK ROOM
222	RECORD STORAGE
223	EMPLOYEE'S LOUNGE
224	ELECTRICAL CLOSET
225	JANITOR CLOSET
226	WOMEN
227	MEN
228	STAIR NO. 2
229	GENERAL RECORD STOR.
230	RECP'T/SEC. (BD. OF ED.)
231	CLOSET
232	CONFERENCE
233	SUPERINTENDENT'S OFF.
234	OFFICE
235	RECORD STORAGE
236	DIRECTOR SPECIAL ED.
237	SEC. SPECIAL ED.
238	WORK ROOM
239	FINANCE/PAYROLL
240	OFFICE
241	RECORD STORAGE
242	CORRIDOR 'B'



FOR PLUMBING IN 2ND FLOOR CORE TOILETS REFER TO 1/4"SCALE FLOOR PLAN ON DWG P-4

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER

NORWICH AVE.
COLCHESTER, CONNECTICUT

STATE OF CONNECTICUT — RUSSELL & ASSOCIATES INC. — NO. 24 — CORPORATE PRACTICE of ENGINEERING

Peter Abel Inc.
Architects Planners
P.O. Box 210
21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

SECOND FLOOR PLAN

PLUMBING

PROJECT NO.
8604

SCALE: 1/8"-1'-0"
DRAWN BY: RS
CHECKED BY: EML
DATE: 8/1/88

P-2

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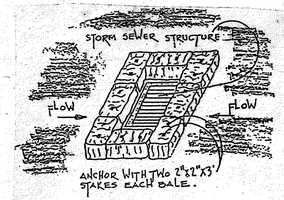
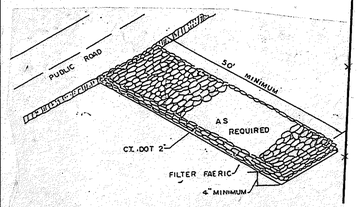
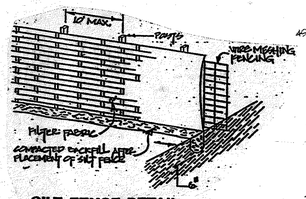


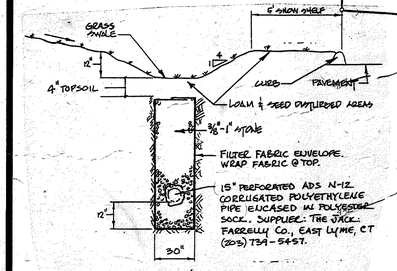
Hay Bale Installation at Catch Basins



ANTI - TRACKING CONSTRUCTION ENTRANCE



SILT FENCE DETAIL
N.T.S.



CURTAIN DRAIN/SWALE DETAIL
N.T.S.

EXCAVATE EXISTING WETLAND SOILS & STOCKPILE IN DESIGNATED AREA UNTIL DRIED OUT AND IN WORKABLE CONDITION. BACKFILL AREAS WITH SUITABLE EXCAVATED MATERIAL FROM SITE.

15" PERFORATED ADS N-12 CORRUGATED POLYETHYLENE UNDERDRAIN

INSTALL SILT FENCE PRIOR TO INSTALLATION OF 24" RCP TO MILL ST.

CONTRACT LIMIT LINE

EMERGENCY PAVED LEAKOFF 449.2

PAVED LEAK-OFF(S) TO YARD DRAINS

DRAIN TO LEAKOFF

FF. = 452.50

WETLANDS

DRAIN TO CB

452.00

452.50

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STOCKPILE AREA FOR WETLAND SOILS

457 x 50

EXISTING FOUNDATION TO BE FILLED WITH SUITABLE EXCAVATED MATERIAL AND BROUGHT TO PROPOSED GRADES SHOWN

ANTI-TRACKING MAT

INSTALL SILT FENCE

TO SETBACK LINE

WETLANDS

MILL STREET

Ø SWET #445

Ø SWET #446

Ø SWET #447

Ø SWET #448

Ø SWET #449

Ø SWET #450

Ø SWET #451

Ø SWET #452

Ø SWET #453

Ø SWET #454

Ø SWET #455

Ø SWET #456

Ø SWET #457

Ø SWET

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FIRST FLOOR PLAN

PROJECT NO. 8604

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

DATE:

TYPICAL PUBLIC TOILETS
SCALE: 1/4"
WOMEN #142 SHOWN #226 SAME EXCEPT EWC.
MEN #143 & 227 SIMILAR EXCEPT URINAL & TEL.

PLAN DETAIL CHIMNEY
SCALE: 1/2" = 1'-0"

NOTE:
1. PLANTING BED IS 2'-8" WIDE WITH 12" OF TOP SOIL, 6 MIL BLACK POLYETHYLENE, 2'-0" OF 3/8" PEA STONE & FLEXIBLE BLACK LAWN EDGING (MIN. 4") WITH GALV. 12"ø x 12" L METAL STAKES @ 3'-0" ℄ MAX. TYPICAL AROUND BUILDINGS.
2. REFER TO DRAWING A-17 FOR COLUMN DETAILS.
3. ALL INTERIOR PARTITIONS TO RECIEVE SOUND ATTENUATION INSULATION 2" TH.

GENERAL NOTES;
1. Dimensions indicated on plans are from face of stud or face of masonry.
2. Typical wall construction is as follows:
   a. Exterior walls 4" brick veneer, air space, 5/8" gypsum board sheathing, 6" metal stud at 16" o.c., 5/8" gypsumboard.
   b. Interior walls:
      1. Corridor walls: 6" metal studs at 16" o.c., from floor to underside of metal deck above (unless otherwise indicated).
      2. Room separation walls 4" metal studs at 16" o.c. (unless otherwise indicated) from floor to 1'0" above ceiling line.
   c. Walls separating departments (i.e. Tax Assessor from Tax Collector) to be constructed from floor to underside of metal deck above.
3. All metal stud and gypsum board walls that are attached to steel beams are to be constructed with [illegible] Track runners sized to receive the stud type for 1" deflection in beam connection.

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER
NORWICH AVE.
CT, CONNECTICUT

TYPICAL PUBLIC TOILETS
SCALE: 1/4"
WOMEN = 14 GL SHOWN, NO 2 GL SHALL EXCEPT B.W.C.
MEN = 2 GL & 2 U SIMILAR BUCKET URINALS & STALL

PLAN DETAIL CHIMNEY
SCALE: 1/2" = 1'-0"

6" CMU WALL
3/8 JOINT REINFORCEMENT
6" SOLID CMU
12"x12" CHIMNEY FLUE LINING
24"x24" CLEAN OUT DOOR, SET 1'-2" A.F.F.
PROVIDE ASH DUMP DOOR CONC. MIN. SLOPED TO DOOR.
CONC. VAULT WALL

147'-8" % BUILDING (FACE TO FACE OF BRICK)
108'-0" FACE OF BRICK @ 2nd FL.
101'-9" % STEEL @ 2 STORY
45'-7" % BRICK
44'-8"
40'-0" % BRICK
25'-4"
21'-11½"
21'-8"
21'-6"
20'-2"
19'-4½"
19'-8"
18'-5"
17'-8"
14'-2"
12'-10"
11'-3½"
10'-9"
8'-9"
8'-8"
8'-4"
7'-4"
7'-2"
6'-6"
6'-0"
5'-8"
5'-4"
5'-1"
4'-8"
4'-0"
3'-2"
2'-2"
2'-1"
2'-0"
1'-4"
1'-2"
9"
8"
6"

ELEVATOR
2HR SHAFT WALL
5½" LIGHT BRICK
PIPE CHASE
EQ
T
GEN. RM. 159
JAN./ WATER 157
RECEIVING 156
LADDER (22'-0")
STAIR No. 3 160
BOILER RM. 160
ELEC. SW. 148
OFFICE 158
MAIN RECORD VAULT 156
PASSAGE 155
STAIR 2 146
JAN. 145
CLOSET 149
RESIDENT TROOPER 148
STOR. 140
ELEV. MACH. 141
REG'R VOTERS 142
CORRIDOR 103
STOR. 151
OFFICE 152
CONF. 153
OFFICE 154
CODE ENFORCEMENT 150
FILE 151
WAITING 149
STAIR No. 1 102
LOBBY 102
VEST 101
ELEV. 143
WOMEN 142
MEN 145
OFFICE 119
CONF 119
PASSAGE 121
NURSES 118
EXAM 1 124
EXAM 2 125
STORAGE 120
PUBLIC HEALTH
DATA/RECP'T 117
OFFICE 125
CONF. 127
WAITING 112
SEC/RECP'T 113
BOROUGH 123
OFFICE 111
elec. cls. 111A
PASS 111
WAITING 122
OFFICE 131
TAX ASSESSOR 129
WORK ROOM 134
WAITING 135
OFFICE 135
TAX COLLECTOR 130
WORK ROOM 129
TOWN CLERK 157
OFFICE 155
WAITING 150
VOTE'G MACH. 109
GENERAL MEETING
MEETING No. 1
MEETING No. 2
MEETING No. 3
CHAIR STOR. 108
VOTE'G MACH. 107
VOTE'G MACH. 101
PEBBLE BED/PLANTING STRIP
FLOOR DRAIN
FIN. FL. ELEV. 452'-0"
STAIR No. 1
LINE OF BUILDING @ 2nd FL.
147'-8" % BUILDING (FACE TO FACE OF BRICK)
101'-9" % STEEL
90'-0" % BUILDING (AT 2nd FLOOR)
88'-6" % STEEL
111'-0" % BUILDING (FACE TO FACE OF BRICK)

NOTE:
PLANTING BED IS 2'-8" WIDE WITH 1 LIFT OF ROLLED BLACK TOPSOIL, 1 LIFT OF 3/4" PEA STONE & FLEXIBLE EDGE LANDSCAPING (MIN. 2 LIN. GAUGE) AND METAL STAKES @ 3'-0" c/c MAX. AT CAL. AROUND BUILDING.

A REFER TO PLANTING & FIT FOR COLUMN DETAILS

A ALL INTERIOR PARTITIONS TO RECEIVE SOUND ATTENUATION INSULATION, C.F.

GENERAL NOTES;

1. Dimensions indicated on plans are from face of stud or face of masonry.
2. Typical wall construction is as follows:
   a. Exterior walls: 4" brick veneer, air space, 5/8" gypsum board sheathing, 6" metal stud at 16" o.c., 5/8" gypsumboard.
   b. Interior walls:
      1. Corridor walls: 6" metal studs at 16" o.c., from floor to underside of metal deck above (unless otherwise indicated).
      2. Room separation walls 4" metal studs at 16" o.c. (unless otherwise indicated) from floor to 1'0" above ceiling line.
   c. Walls separating departments (i.e. Tax Assessor from Tax Collector) to be constructed from floor to underside of metal deck above.
3. All metal stud and gypsum board walls that are attached to steel beams are to be constructed with Deflection Track runners sized to receive the stud type indicated and allow for 1" deflection in beam connection.

Peter Abel Inc.
Architects/Planners
P.O. Box 210
21 South Main Street
Marlborough, Connecticut 06447-0
(203) 295-9511

FIRST FLOOR PLA

PROJECT NO 8604
SCALE 1/8" = 1'-0"
DRAWN BY T.S.M.
CHECKED BY P.A.
DATE APR. '87

A-

13,230

147'-8" % BUILDING

103'-0" (FACE TO FACE OF BRICK)

101'-9" % STEEL

90'-0" % BUILDING (FACE TO FACE OF BRICK)

88'-6" % STEEL

117'-0" % BUILDING (FACE TO FACE OF BRICK)

90'-0" % BUILDING

88'-6" % STEEL

105'-0" % BUILDING

101'-9" % STEEL

STAIR N°3

STAIR N°2

STAIR N°1

OFFICE

SEC/RECP'T

YOUTH SERVICES

JUDGE OF PROBATE

RECORD STOR.

GENERAL RECORD STOR

CONF/FUTURE COMPUTER

PHOTO COPY/ STOR.

CHAMBER

W'K RM.

RECORD STOR.

ELEC

JAN.

EMPLOYEE LOUNGE

FINANCE PAYROLL

PAYROLL ACCOUNT

ELEV.

WOMEN

MEN

SEC. SP.ED.

OFFICE W'K RM.

C O R R I D O R 'A-1'

DIR. SP.ED.

OFF.

OFFICE

SEC./RECP'T

TOWN ADMIN.

RECP'T/SEC.

REC. STOR.

B'D OF ED.

CONF.

SUP'T OFF.

SELECTMAN

closet

ROOF

PITCH

PITCH

BUILDING WALL BELOW

BRICK CHIMNEY

R.D.

CANT STRIP

ARCHITECTURAL GRILLE

PITCHED ROOF

C O R R I D O R 'A-2'

C O R R I D O R 'B'

PLAN DETAIL CHIMNEY @ ROOF

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

LINE OF 16oz. COPPER THRU WALL CHIMNEY FLASHING

4" BRICK VENEER

8" C.M.U.

WALL REINFORCEMENT

LINE OF CORNICE ASSEMBLY ABOVE

NORMAL BUILDING LINE

CHIMNEY CRICKET 16oz. COPPER OUTLINE OF CRICKET @ ROOF ABOVE

GENERAL NOTES;

1. Dimensions indicated on plans are from face of stud or face of masonry.
2. Typical wall construction is as follows:
   a. Exterior walls 4" brick veneer, air space, 5/8" gypsum board sheathing, 6" metal stud at 16" o.c., 5/8" gypsumboard.
   b. Interior walls:
      1. Corridor walls: 6" metal studs at 16" o.c., from floor to underside of metal deck above (unless otherwise indicated).
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   c. Walls separating departments (i.e. Tax Assessor from Tax Collector) to be constructed from floor to underside of metal deck above.
3. All metal stud and gypsum board walls that are attached to steel beams are to be constructed with Deflection Track runners sized to receive the stud type indicated and allow for 1" deflection in beam connection.

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER

NORWICH AVE.
COLCHESTER, CONNECTICUT

Peter Abel Inc.
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P.O. Box 210
21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

SECOND FLOOR PLAN & MEZZANINE PLAN

PROJECT NO. 8604

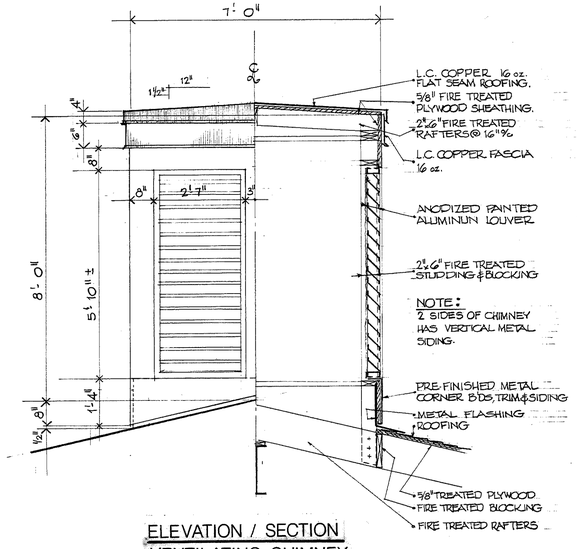
SCALE: 1/8"=1'-0"

DRAWN BY: F.S.M.

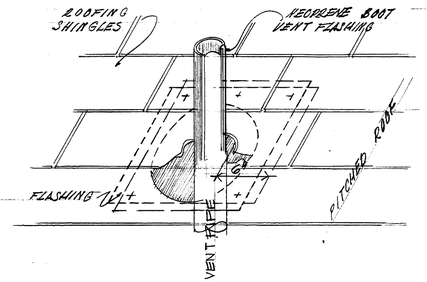
CHECKED BY: F.S.M.

DATE: AUGUST 1, 1988

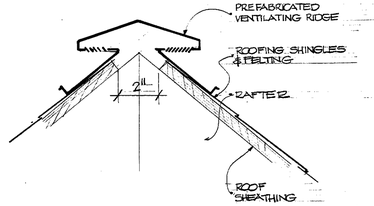
A-2



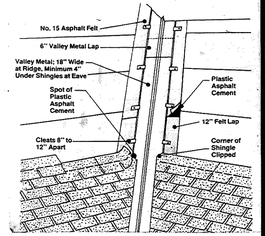
ELEVATION / SECTION
VENTILATING CHIMNEY
SCALE: ½" = 1'-0"

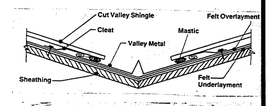


DETAIL @ TYPICAL VENT
NO SCALE:

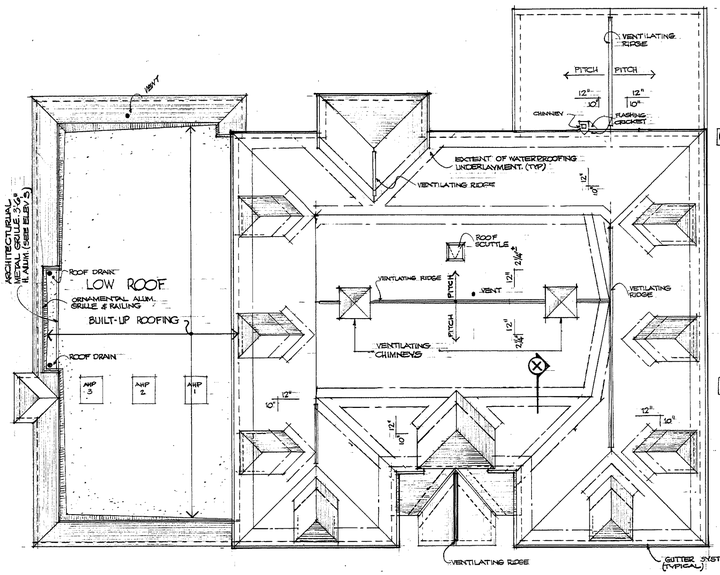


TYPICAL RIDGE VENT DETAIL
NO SCALE:

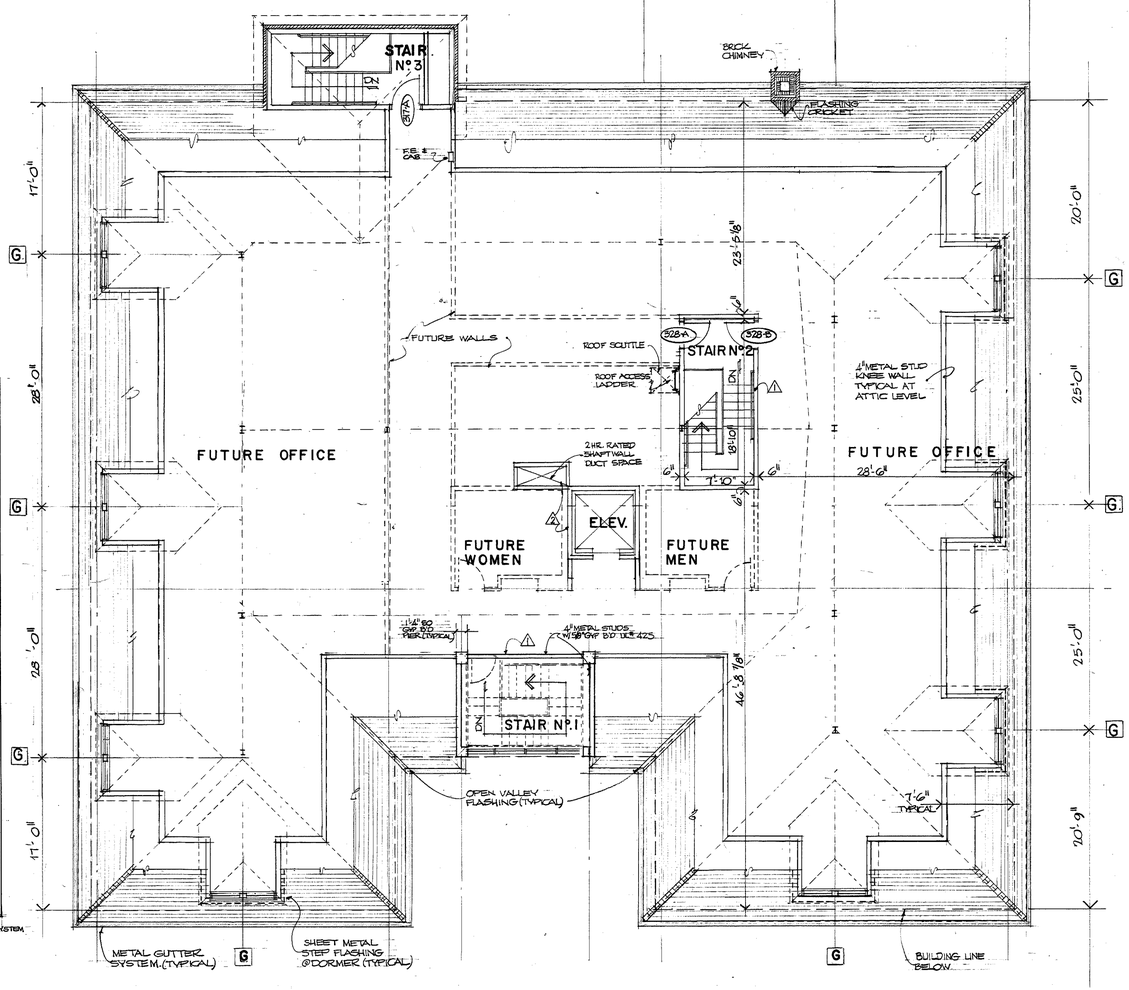




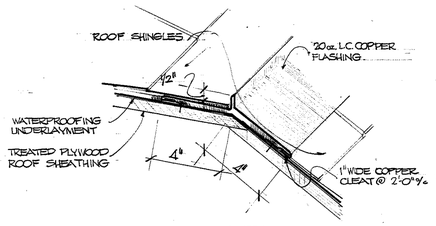
TYPICAL VALLEY FLASHING
NO SCALE



ROOF PLAN
SCALE: 1/16" = 1'-0"
NOTE: REFER TO ALTERNATE N°1. FOR INFORMATION ON METAL ROOFING



ATTIC LEVEL PLAN
SCALE: 1/8" = 1'-0"



ROOF DETAIL (X)
NO SCALE

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TOWN OF COLCHESTER
NORWICH AVE.
COLCHESTER, CONNECTICUT

Peter Abel Inc.
Architects/Planners
P.O. Box 210
21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

ATTIC PLAN & ROOF PLAN

PROJECT NO.
8604

SCALE: AS NOTED
DRAWN BY: F.S.M.
CHECKED BY: F.S.M.
DATE: AUGUST 1, 1988

A-3

130457

FIRST FLOOR

NO.	NAME
101	VESTIBULE
102	LOBBY
103	CORRIDOR 'A'
104	MEETING ROOM NO. 3
105	MEETING ROOM NO. 2
106	MEETING ROOM NO. 1
107	VOTE'G MACH. STOR.
108	CHAIR STORAGE
109	VOT'G MACH. STOR.
110	ELEC. CLOSET
111	PASSAGE
112	OFFICE
113	SEC/RECP'T
114	WAITING
115	DATA/RECP'T
116	NURSES
117	TOILET
118	OFFICE
119	CONFERENCE
120	STORAGE
121	PASSAGE
122	EXAM NO. 1
123	EXAM NO. 2
124	WAITING
125	BOROUGH (DEPT)
126	OFFICE
127	CONFERENCE
128	CORRIDOR 'C'
129	TAX ASSESSOR
130	WAITING
131	OFFICE
129A	WORK ROOM
132	TAX COLLECTOR
133	WAITING
134	WORK ROOM
~~135~~	OFFICE
136	STAIR NO. 3
137	TOWN CLERK
138	OFFICE
139	MAIN RECORD VAULT
140	STORAGE
141	REGISTRAR OF VOTERS
142	WOMEN
143	MEN
144	ELEVATOR MACHINE RM.
145	JANITOR
146	STAIR NO. 2
147	CORRIDOR 'B'
148	RESIDENT TROOPER
149	CLOSET
150	CODE ENFORCEMENT
151	STORAGE
152	CONFERENCE
153	OFFICE
154	OFFICE
155	PASSAGE
156	RECEIVING (GENERAL)
157	JANITOR/WATER ENTRANCE
158	ELECTRIC SWITCH RM.
~~159~~	GENERATOR ROOM
160	BOILER ROOM

RUN CONCEALED IN WALL TYPICAL

SEPARATELY GANG DIMMER SWITCHES WITH A SINGLE POLE SWITCH BETWEEN DIMMERS IN A 5-GANG CONFIGURATION AS SHOWN

RUN CONCEALED IN WALL TYPICAL

TYPICAL FIXTURE TYPES F4 & F5 DIVISION 16 TO FIELD DETERMINE EXACT FIXTURE LENGTHS BASED ON ACTUAL FIELD CONDITIONS PRIOR TO ORDERING FIXTURES (REFER TO LIGHTING FIXTURE SCHEDULE).

NORTH

GENERAL NOTES

1. ALL BRANCH CIRCUITS SHALL CONTAIN A GREEN GROUNDING CONDUCTOR #12 AWG. MIN.
2. ALL BRANCH CIRCUITS SHALL BE IN CONDUIT, 3/4" MIN.
3. VERIFY THE EXACT LOCATIONS OF LIGHTING FIXTURES, OUTLETS, MECHICAL EQUIPMENT PRIOR TO STARTING WORK.
4. ALL COMPUTER OUTLETS SHALL HAVE A SEPARATE GREEN ISOLATED GROUNDING CONDUCTOR #12 MIN.

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER

NORWICH AVE.
COLCHESTER, CONNECTICUT

R.A.GOODELL & ASSOC., INC.
CONSULTING ENGINEERS
31 CONCORD ST.
GLASTONBURY, CONN. 06033

STATE OF CONNECTICUT
R.A. GOODELL & ASSOC., INC.
CORPORATE PRACTICE OF ENGINEERING
No. 24

Peter Abel Inc.
Architects/Planners
P.O. Box 210
21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

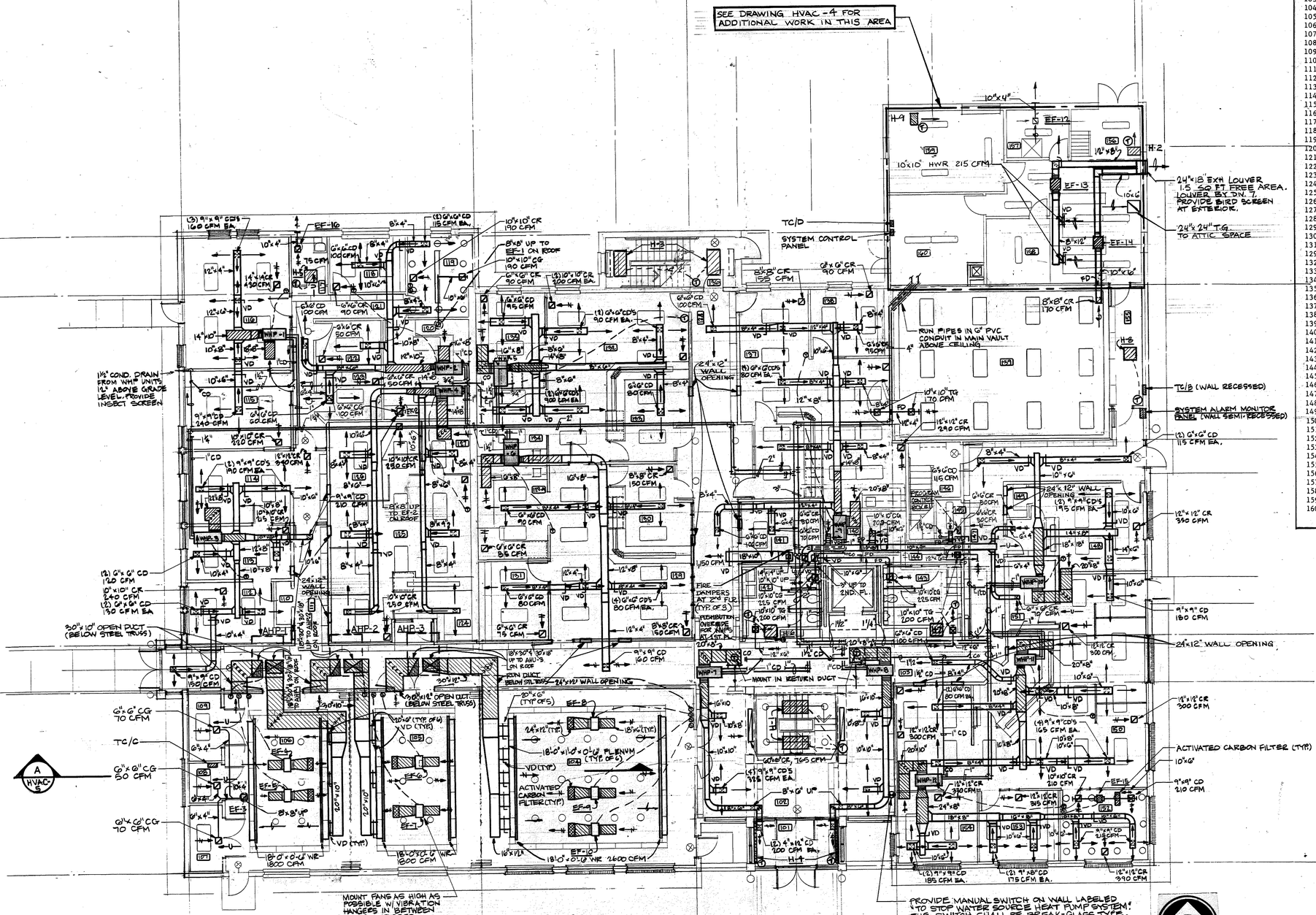
FIRST FLOOR PLAN

ELECTRICAL LIGHTING

PROJECT NO.
8604

SCALE: 1/8"=1'-0"
DRAWN BY: M.G.
CHECKED BY: R.M.L.
DATE: 8-1-83

E-1



NOTE:

FINAL LOCATION OF ALL CEILING DIFFUSERS, REGISTERS, & GRILLES SHALL BE COORDINATED WITH REFLECTED CEILING PLANS, SPRINKLERS & LIGHTING FIXTURES BY THE ARCHITECT WITH THE APPROVAL OF THE ENGINEER.

FIRST FLOOR

NO.	NAME
101	VESTIBULE
102	LOBBY
103	CORRIDOR 'A'
104	MEETING ROOM NO. 3
105	MEETING ROOM NO. 2
106	MEETING ROOM NO. 1
107	VOTE'G MACH. STOR.
108	CHAIR STORAGE
109	VOT'G MACH. STOR.
110	ELEC. CLOSET
111	PASSAGE
112	OFFICE
113	SEC/RECP'T
114	WAITING
115	DATA/RECP'T
116	NURSES
117	TOILET
118	OFFICE
119	CONFERENCE
T20	STORAGE
121	PASSAGE
122	EXAM NO. 1
123	EXAM NO. 2
124	WAITING
125	BOROUGH (DEPT)
126	OFFICE
127	CONFERENCE
128	CORRIDOR 'C'
129	TAX ASSESSOR
130	WAITING
131	OFFICE
129A	WORK ROOM
132	TAX COLLECTOR
133	WAITING
134	WORK ROOM
135	OFFICE
136	STAIR NO. 3
137	TOWN CLERK
138	OFFICE
139	MAIN RECORD VAULT
140	STORAGE
141	REGISTRAR OF VOTERS
142	WOMEN
143	MEN
144	ELEVATOR MACHINE RM.
145	JANITOR
146	STAIR NO. 2
147	CORRIDOR 'B'
148	RESIDENT TROOPER
149	CLOSET
150	CODE ENFORCEMENT
151	STORAGE
152	CONFERENCE
153	OFFICE
154	OFFICE
155	PASSAGE
156	RECEIVING (GENERAL)
157	JANITOR/WATER ENTRANCE
158	ELECTRIC SWITCH RM.
159	GENERATOR ROOM
160	BOILER ROOM

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER
NORWICH AVE.
COLCHESTER, CONNECTICUT

R.A. GOODELL & ASSOC., INC.
CONSULTING ENGINEERS
31 CONCORD ST.
GLASTONBURY, CONN. 06033

Peter Abel Inc.
Architects/Planners
P.O. Box 210
21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

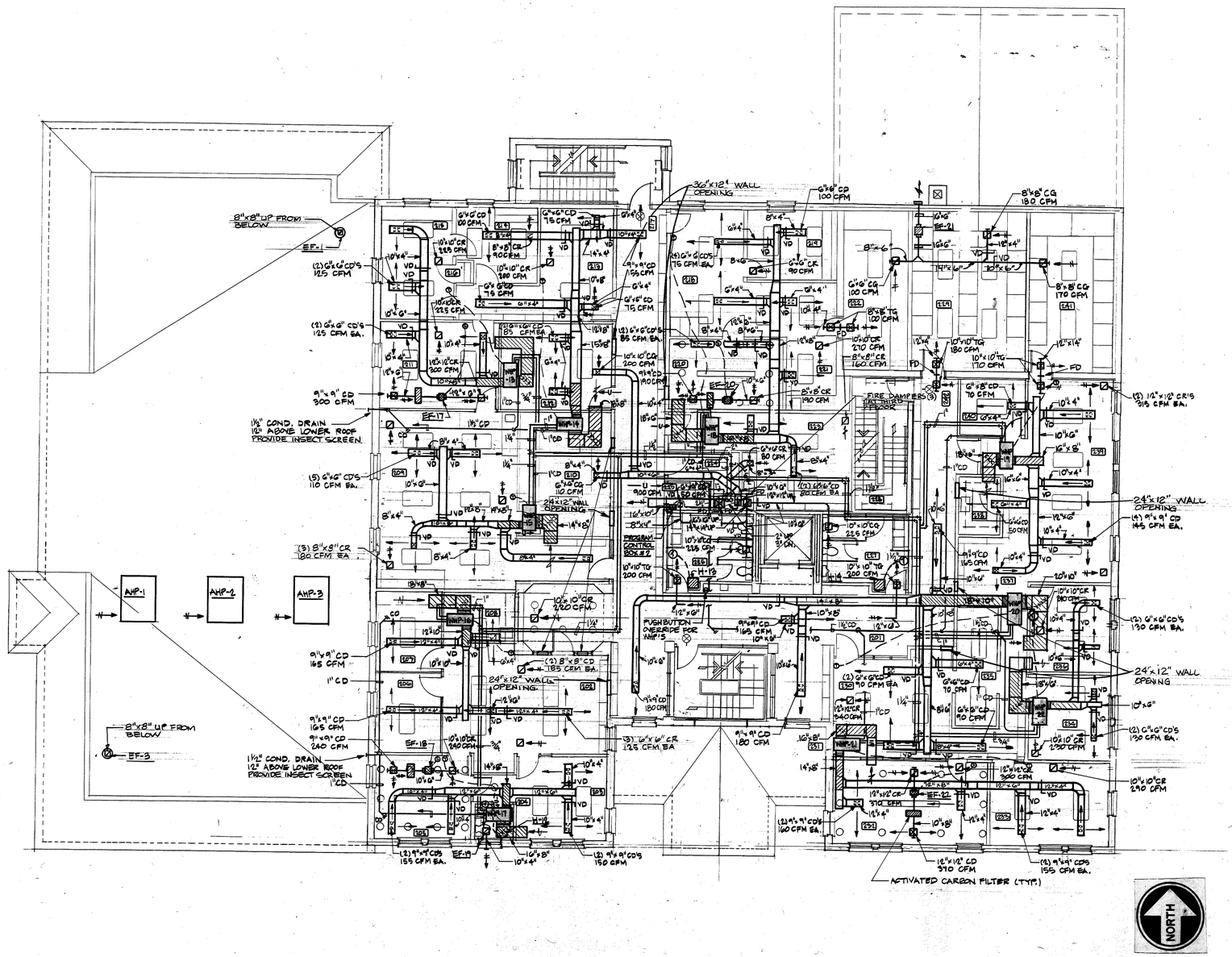
FIRST FLOOR PLAN

HEATING, VENTILATING AND AIR CONDITIONING

PROJECT NO. 8604

SCALE: 1/8"=1'-0"
DRAWN BY: ABG
CHECKED BY DP.
DATE: 8/1/88

HVAC-1



SECOND FLOOR	
NO.	NAME
201	CORRIDOR 'A-1'
202	TOWN ADMINISTRATION
203	SELECTMAN
204	TOILET
205	CONFERENCE
206	OFFICE
207	OFFICE
208	WORK ROOM
209	PAYROLL/ACCOUNTING
210	RECORD STORAGE
211	CONF/FUTURE COMPUTER
212	PHOTOCOPY/STORAGE
213	SEC/RECP'T
214	OFFICE
215	OFFICE
216	CLOSET
217	CORRIDOR 'C-1'
218	SEC/RECP'T (PROBATE)
219	OFFICE
220	CHAMBERS
221	WORK ROOM
222	RECORD STORAGE
223	EMPLOYEE'S LOUNGE
224	ELECTRICAL CLOSET
225	JANITOR CLOSET
226	WOMEN
227	MEN
228	STAIR NO. 2
229	GENERAL RECORD STOR.
230	RECP'T/SEC. (BD. OF ED.)
231	CLOSET
232	CONFERENCE
233	SUPERINTENDENT'S OFF.
234	OFFICE
235	RECORD STORAGE
236	DIRECTOR SPECIAL ED.
237	SEC. SPECIAL ED.
238	WORK ROOM
239	FINANCE/PAYROLL
240	OFFICE
241	RECORD STORAGE
242	CORRIDOR 'B'

WHP-31

NOTE:
FINAL LOCATION OF ALL CEILING DIFFUSERS, REGISTERS & GRILLES SHALL BE COORDINATED WITH REFLECTED CEILING PLANS, SPRINKLERS & LIGHTING FIXTURES BY THE ARCHITECT WITH THE APPROVAL OF THE ENGINEER.

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER
NORWICH AVE.
COLCHESTER, CONNECTICUT

R.A. GOODELL & ASSOC., INC.
CONSULTING ENGINEERS
31 CONCORD ST.
GLASTONBURY, CONN. 06033

STATE OF CONNECTICUT — R.A. GOODELL & ASSOC., INC. — GUARANTEE PRACTICE of ENGINEERING — No. 24

Peter Abel Inc.
Architects/Planners
P.O. Box 210
21 South Main Street
Marlborough Connecticut 06447-0210
(203) 295-9511

SECOND FLOOR PLAN

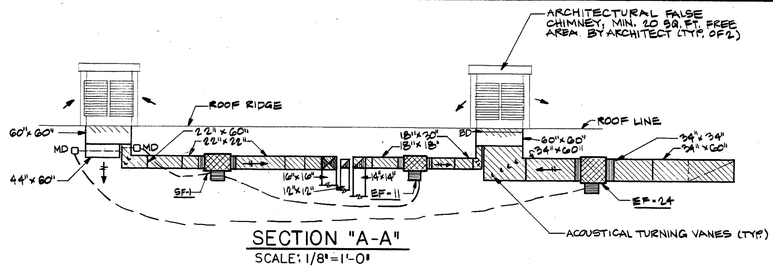
HEATING, VENTILATION AND AIR CONDITIONING

PROJECT NO. 8604

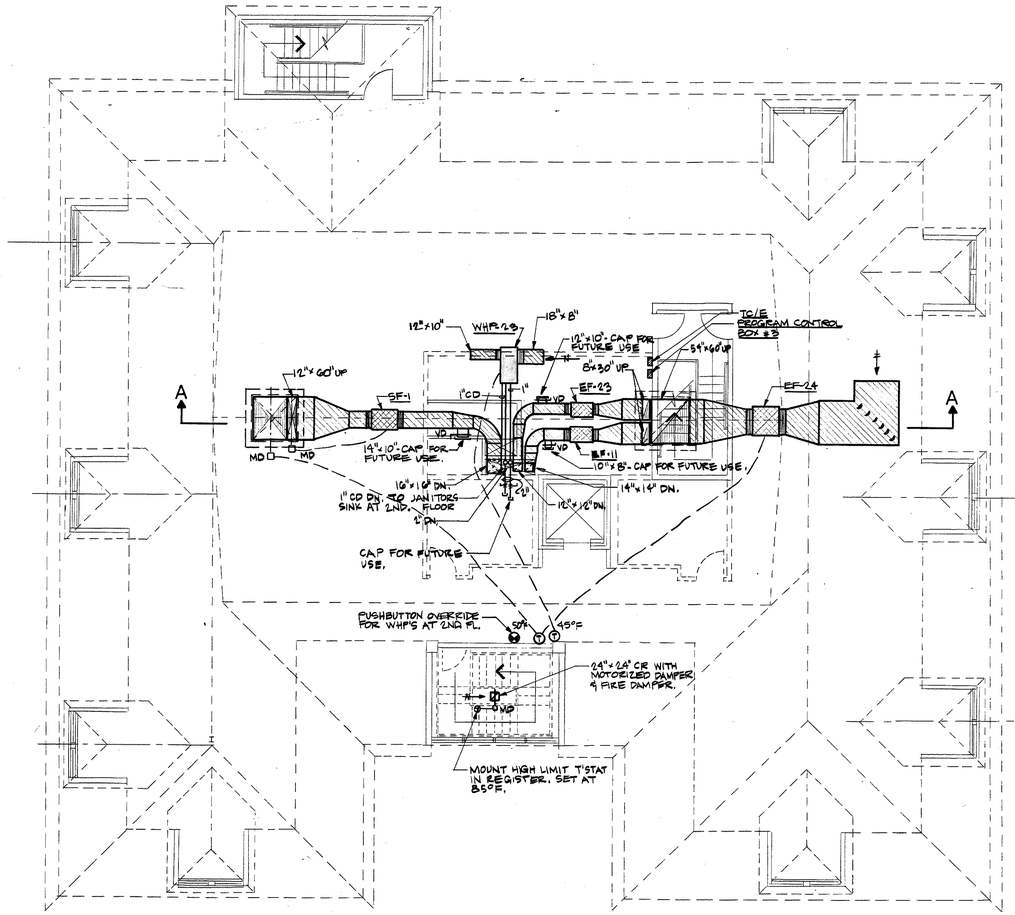
SCALE: 1/8"=1'-0"
DRAWN BY: ABG
CHECKED BY: DP
DATE: 8/1/88

HVAC-2

139437



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



NORTH

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER

NORWICH AVE.
COLCHESTER, CONNECTICUT

R.A. GOODELL & ASSOC., INC.
CONSULTING ENGINEERS
31 CONCORD ST.
GLASTONBURY, CONN. 06033

STATE OF CONNECTICUT
R. GOODELL & ASSOCIATES, INC.
CERTIFICATE OF REGISTRATION
No. 24

Peter Abel Inc.
Architects Planners
P O Box 210
21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

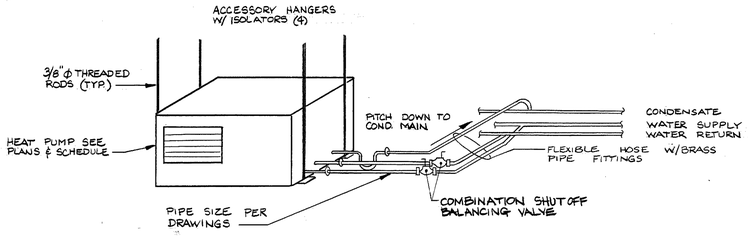
ATTIC FLOOR PLAN

HEATING, VENTILATING AND AIR CONDITIONING

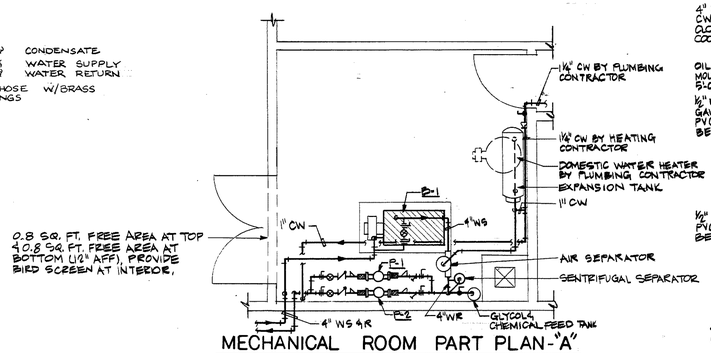
PROJECT NO.
8604

SCALE: 1/8"=1'-0"
DRAWN BY: A.G.
CHECKED BY: D.P.
DATE: 8/1/88

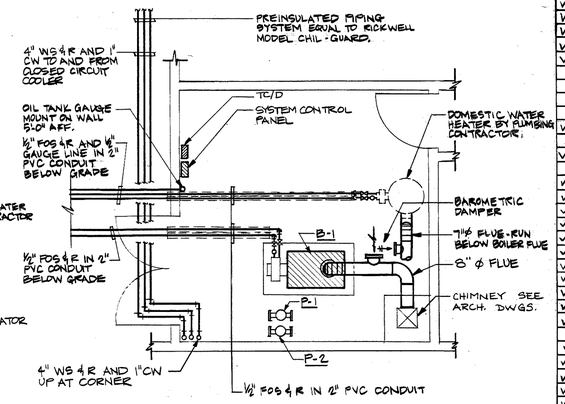
HVAC-3



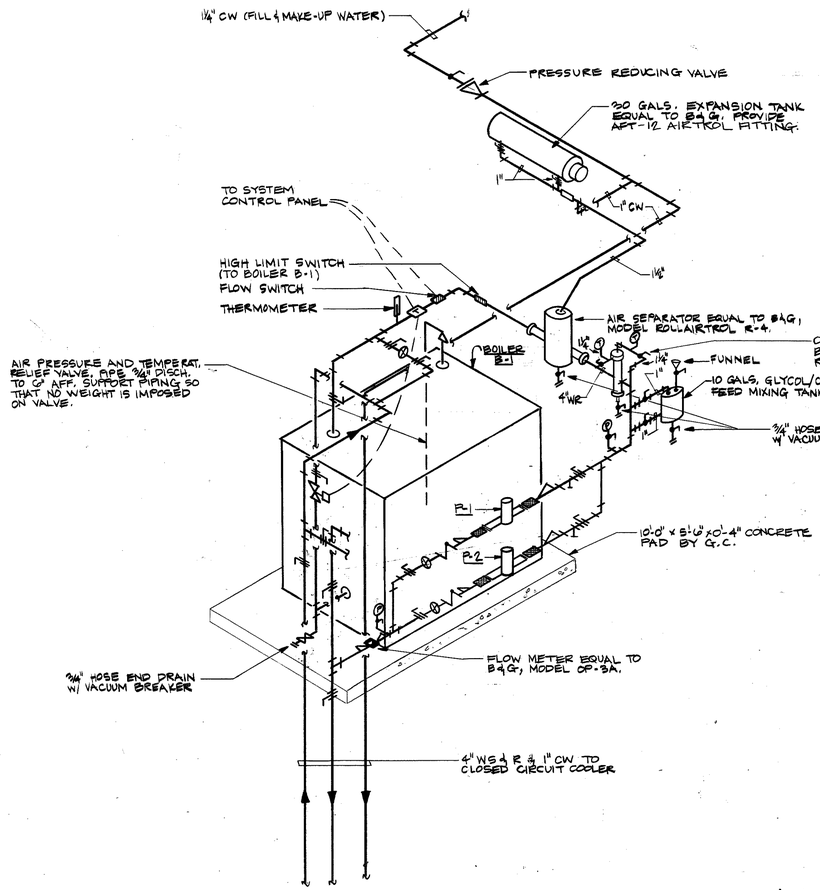
HEAT PUMP INSTALLATION DETAIL
N.T.S.



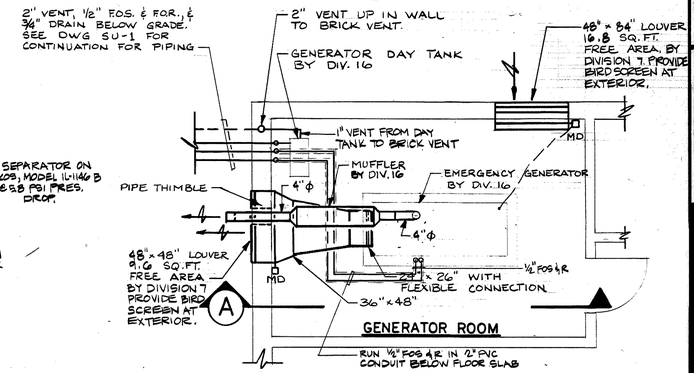
MECHANICAL ROOM PART PLAN-"A"
SCALE: 1/4"=1'-0"



MECHANICAL ROOM PART PLAN-"B"
SCALE: 1/4"=1'-0"

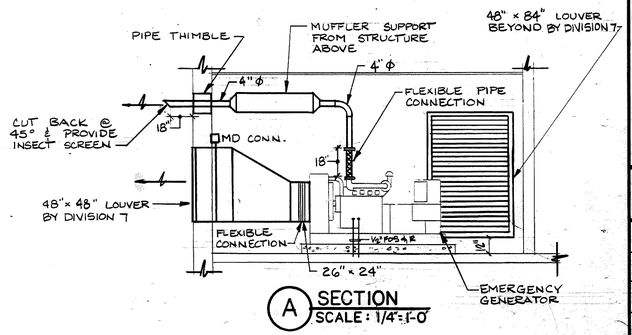


MECHANICAL ROOM PIPING DIAGRAM
N.T.S.



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

NOTE:
MUFFLER FURNISHED BY DIV. 16 & INSTALLED BY THIS DIVISON.



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

HEATING & VENTILATING LEGEND
SYMBOLS USED ARE INDICATED BY A CHECK (√)

√	WS & R	WATER SUPPLY & RETURN
√	CW	COLD WATER (MAKE-UP)
√	CD	CONDENSATE DRAIN
√		PUSHBUTTON OVERRIDE
√		GATE VALVE
		GLOBE VALVE
		CONTROL VALVE
	V	AIR VENT
	P	PRESSURE GAUGE
√	N	CHECK VALVE
		THREE WAY VALVE
√	CC-1	CLOSED CIRCUIT COOLER
	COND.	STEAM CONDENSATE RETURN
√	S.F.	SUPPLY FAN
√	P-1, P-2	PUMPS
√	FOS & R	FUEL OIL SUPPLY & RETURN
√	B-1	HOT WATER BOILER
√	CG	CEILING GRILLE
√	TG	TRANSFER GRILLE
√	CO	CLEANOUT
√	BD	BACKDRAFT DAMPER
√		PITCH IN DIRECTION SHOWN
√	U	UNDERCUT DOOR
√	C.D.	CEILING DIFFUSER
	L.W.R.	LOW WALL REGISTER
√	WHP	HORIZONTAL WATER SOURCE HEAT PUMP
√	C.R/WR	CEILING WALL REGISTER
√	V.D.	VOLUME DAMPER
√	F.D.	FIRE DAMPER
√	M.D.	MOTORIZED DAMPER
√	A.H.P	AIR COOLED ROOFTOP HEAT PUMPS
√	H	ELECTRIC HEATING UNITS/BASEBOARD/PANEL
	U.H.	UNIT HEATER
	U.V.	UNIT VENTILATOR
	R.T.U.	ROOF TOP UNIT
√	E.F.	EXHAUST FAN
	F.C.U.	FAN COIL UNIT
√	TC/	TIME CLOCK/(SWITCH)
√		ECCENTRIC REDUCER/INCREASER
√		BRANCH OFF FROM BOTTOM OF MAIN
√		BRANCH OFF FROM TOP OF MAIN
√		ACOUSTICALLY LINED DUCTWORK
√		STRAINER
√		FLEXIBLE PUMP CONNECTOR
√	A.D.	ACCESS DOOR
√	T	WALL T'STAT
√	S	SPEED SWITCH W/ PILOT LIGHT
√		THERMOMETER
√		BALL VALVE
√		BUTTERFLY VALVE
√	T	TEMPERATURE SENSOR
√	F	FLOW SWITCH (DIFF. PRESSURE)

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R.A. GOODELL & ASSOC., INC.
CONSULTING ENGINEERS
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GLASTONBURY, CONN. 06033

STATE OF CONNECTICUT — R. GOODELL & ASSOC. INC. — No. 24 — CORPORATE PRACTICE OF ENGINEERING

Peter Abel Inc.
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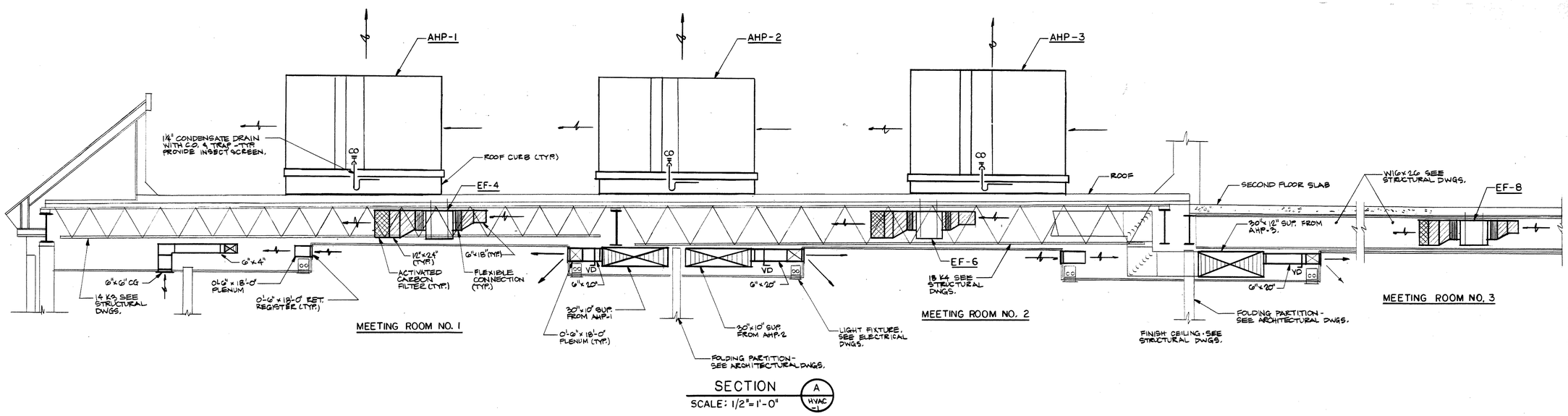
P.O. Box 210
21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

HVAC
PART PLAN
AND DETAILS

PROJECT NO.
8604

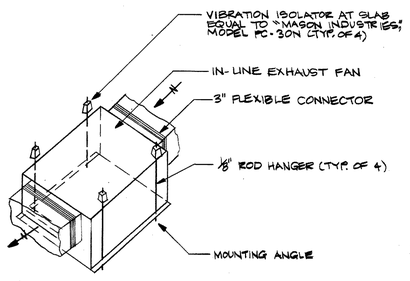
SCALE: AS NOTED
DRAWN BY: FBH
CHECKED BY: RML
DATE: 8/1/88

HVAC-4



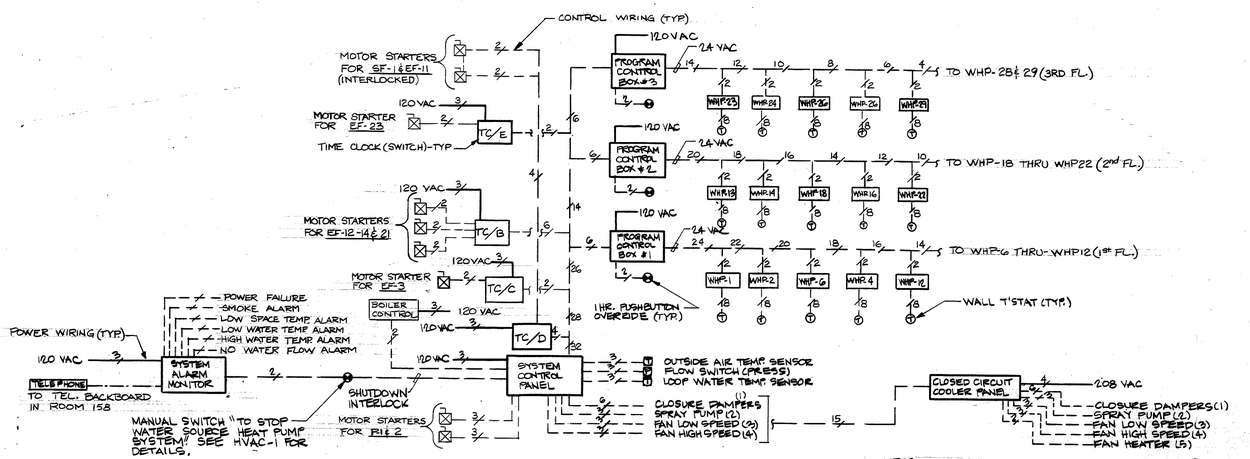
SECTION (A / HVAC-1)

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



IN-LINE EXHAUST FAN DETAIL

N.T.S.



WATER SOURCE HEAT PUMP SCHEMATIC CONTROL DIAGRAM

N.T.S.

NOTES:

1. ALL POWER WIRING TO PANELS AND TIME CLOCKS (SWITCHES) SHALL BE BY DIVISION 16.
2. ALL CONTROL WIRING SHALL BE DONE BY THE CONTROL CONTRACTOR.
3. FOR WORK DONE BY OTHER TRADES SEE SPECIFICATIONS.

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HVAC DIAGRAMS & CONTROL

PROJECT NO. 8604

SCALE: AS NOTED
DRAWN BY: ABG
CHECKED BY: DP
DATE: 8/1/88

HVAC-5

WATER SOURCE HEAT PUMP SCHEDULE

SYMBOL	AREA SERVED	MODEL SIZE	AIR SIDE			WATER SIDE		COOLING			HEATING		POWER	
			CFM	E.S.P. IN W.G.	HP	GPM	P.D. FT W.G	TOTAL MBH	SENS MBH	REJ.HT MBH	TOTAL MBH	ABS.HT MBH	COOL KW	HEAT KW
WHP-1	ROOM # 115 & 116	814 027	720	0.4	1/5	4.5	5.2	25.1	17.3	33.0	37.4	28.0	2.4	2.7
WHP-2	ROOM # 118 THRU 123	814 019	550	0.4	1/8	3.0	4.5	18.6	13.9	24.9	25.1	18.4	1.8	2.0
WHP-3	ROOM # 112 THRU 114	814 042	1240	0.5	1/2	7.0	7.4	41.3	31.3	55.6	60.8	445.0	4.2	4.6
WHP-4	ROOM # 124 THRU 127	814 019	540	0.4	1/8	3.0	4.5	18.6	13.9	24.9	25.1	18.4	1.8	2.0
WHP-5	ROOM # 132 THRU 135	814 019	535	0.4	1/8	3.0	4.5	18.6	13.9	24.9	25.1	18.4	1.8	2.0
WHP-6	ROOM # 129 THRU 131	814 027	650	0.4	1/5	4.5	5.2	25.1	17.3	33.0	37.4	28.0	2.4	2.7
WHP-7	ROOM # 101 & 102	814 031	850	0.4	1/3	5.0	3.4	28.6	21.6	39.1	44.1	32.6	3.1	3.4
WHP-8	ROOM # 101 & 102	814 031	850	0.4	1/3	5.0	3.4	28.6	21.6	39.1	44.1	32.6	3.1	3.4
WHP-9	ROOM # 137,138 & 141	814 031	765	0.5	1/3	5.0	3.4	28.6	21.6	39.1	44.1	32.6	3.1	3.4
WHP-10	ROOM # 148 & 150	814 031	800	0.5	1/3	5.0	3.4	28.6	21.6	39.1	44.1	32.6	3.1	3.4
WHP-11	ROOM # 148 & 150	814 031	930	0.4	1/3	5.0	3.4	28.6	21.6	39.1	44.1	32.6	3.1	3.4
WHP-12	ROOM # 152 THRU 154	814 036	1140	0.4	1/2	6.0	6.6	34.0	22.4	45.7	44.8	32.5	3.4	3.6
WHP-13	ROOM # 211 &215	814 019	500	0.4	1/8	2.5	2.4	14.1	10.3	19.1	20.4	15.1	1.5	2.0
WHP-14	ROOM # 212,213 & 216	814 027	650	0.4	1/5	4.5	5.2	25.1	17.3	33.0	37.4	28.0	2.4	2.7
WHP-15	ROOM # 209	814 019	550	0.4	1/8	3.0	4.5	18.6	13.9	24.9	25.1	18.4	1.8	2.0
WHP-16	ROOM # 202,206,207,208	814 027	700	0.4	1/5	4.5	5.2	25.1	17.3	33.0	37.4	28.0	2.4	2.7
WHP-17	ROOM # 203 & 205	814 019	610	0.4	1/8	3.0	4.5	18.6	13.9	24.9	25.1	18.4	1.8	2.0
WHP-18	ROOM # 218 THRU 221	814 027	730	0.4	1/5	4.5	5.2	25.1	17.3	33.0	37.4	28.0	2.4	2.7
WHP-19	ROOM #.237 THRU 240	814 027	700	0.4	1/5	4.5	5.2	25.1	17.3	33.0	37.4	28.0	2.4	2.7
WHP-20	ROOM # 201 & 230	814 036	1030	0.5	1/2	6.0	6.6	34.0	22.4	45.7	44.8	32.5	3.4	3.6
WHP-21	ROOM # 232 & 233	814 027	630	0.5	1/5	4.5	5.2	25.1	17.3	33.0	37.4	28.0	2.4	2.7
WHP-22	ROOM # 234 & 236	814 019	520	0.4	1/8	3.0	4.5	18.6	13.9	24.9	25.1	18.4	1.8	2.0
**WHP-23	ROOM # 301 (FUT.OFF.)	814 027	650	0.4	1/5	4.5	5.2	25.1	17.3	33.0	37.4	28.0	2.4	2.7
*WHP-24	ROOM # 301 (FUT.OFF.)	814 027	650	0.4	1/5	4.5	5.2	25.1	17.3	33.0	37.4	28.0	2.4	2.7
*WHP-25	ROOM # 301 (FUT.OFF.)	814 027	650	0.4	1/5	4.5	5.2	25.1	17.3	33.0	37.4	28.0	2.4	2.7
*WHP-26	ROOM # 302 (FUT.OFF.)	814 019	550	0.4	1/8	3.0	4.5	18.6	13.9	24.9	25.1	18.4	1.8	2.0
*WHP-27	ROOM # 302 (FUT.OFF.)	814 025	650	0.4	1/5	4.5	5.2	25.1	17.3	33.0	37.4	28.0	2.4	2.7
*WHP-28	ROOM # 303 (FUT.OFF.)	814 027	650	0.4	1/5	4.5	5.2	25.1	17.3	33.0	37.4	28.0	2.4	2.7
*WHP-29	ROOM # 303 (FUT.OFF.)	814 027	650	0.4	1/5	4.5	5.2	25.1	17.3	33.0	37.4	28.0	2.4	2.7

* FUTURE UNITS (ATTIC SPACE)
** UNIT RUNS ONLY DURING WINTER TO MAINTAIN 45°F IN THE ATTIC SPACE

NOTES :
1. THE ABOVE SELECTION BASED ON HORIZONTAL UNITS, EQUAL TO "FRIEDRICH" CLIMATE MASTER OF SIZES SPECIFIED OPERATING UNDER THE FOLLOWING CONDITIONS ;
   - SUMMER 88°FDB/75°FWB OR ; 80°FDB/67°FWB EAT ; 55°FDB LAT ; 90°F EWT/102°F LWT (12°F TEMPARTURE DIFFRENCE)
   - WINTER 7°F OR ; 63.7FDB EAT ; 72°F EWT/68°F LWT (17°F TEMPARTURE DIFFRENCE)
2. THE UNITS EQUAL TO AND SMALLER THAN SIZE 025 SHALL BE 208VOLTS/1 PHASE AND THE UNITS LARGER THAN SIZE 025 SHALL BE 208 VOLTS/3 PHASE.
3. PROVIDE HANGER/VIBRATION ISOLATION KITS ; AUTO CHANGEOVER HEATING , COOLING , NIGHT SETBACK T'STATS W/SECURITY COVERS AND EXTERNAL THERMOMETERS ; PREASSEMBLED HOSE KITS ; PROGRAM CONTROL BOXES (ONE PER FLOOR) ; SYSTEM CONTROL PANEL AND SYSTEM ALARM MONITOR (SEE CONTROL DIAGRAM).
4. PROVIDE RANDOM START RELAY FOR RANDOM DELAY START.

AIR SOURCE HEAT PUMP SCHEDULE

SYMBOL	AREA SERVED	MODEL SIZE	EVAP. FAN			COOLING		HEATING	POWER	
			CFM	E.S.P. IN.WC.	HP	TOTAL MBH	SENS MBH	TOTAL CAP MBH	COOL KW	HEAT KW
AHP-1	ZONE # 125	BWC 090F	1800	0.75	3/4	96.2	69.3	36.0	9.2	7.7
AHP-2	ZONE #130	BWC 090F	1800	0.75	3/4	96.2	69.3	36.0	9.2	7.7
AHP-3	ZONE # 135	BWC 120F	2600	1.0	1-1/2	127.0	91.9	51.0	13.5	18.3

1. THE ABOVE IS BASED ON PACKAGED UNITS, EQUAL TO "TRANE" OF SIZES SPECIFIED ABOVE OPERATING UNDER THE FOLLOWING CONDITIONS.
   - SUMMER 88°FDB/75°FWB OA ; 80°FDB/67°FWB EAT ; 55°F LAT
   - WINTER 7°FOA ; 63.7°F EAT
2. THE VOLTAGE SHALL BE 208 VOLTS/3 PHASE.
3. PROVIDE FACTORY ASSEMBLED ROOFCURB, AUTOMATIC ECONOMIZER/DAMPER SYSTEMS (BAYECON 025) W/BAROMETRIC RELIEF DAMPERS , HEAD PRESSURE CONTROL (LOW AMBIENT DOWN TO 0°F) & SINGLE STAGE COOLING , TWO STAGE HEATING AUTOMATIC CHANGEOVER T'STAT W/NIGHT SETBACK.

DIFFUSER, REGISTER & GRILLE SCHEDULE

SYMBOL/ SIZE	MODEL	CFM	REMARKS
6" X 6" CD	TDC	60-130	CEILING DIFFUSER
9" X9" CD	TDC	150-240	CEILING DIFFUSER
6" X 6" CR	272 RS	70-110	CEILING REGISTER
8" X 8" CR	272 RS	130-200	CEILING REGISTER
4" X 12" CR	272 RS	200	CEILING REGISTER
10" X 10" CR/WR	272 RS	210-270	CEILING REGISTER/WALL REGISTER
12" X 12" CR	272 RS	290-390	CEILING REGISTER
14" X 14" CR	272 RS	400-430	CEILING REGISTER
60" X 6" CR	272 RS	765	CEILING REGISTER
18"0" X 0'6" WR	CT-481	1800-2600	WALL REGISTER
6" X 6" CG	25 RS	50-110	CEILING GRILLE
8" X 8" CG	25 RS	130-190	CEILING GRILLE
10" X 10" CG	25 RS	200-250	CEILING GRILLE
10" X 10" TG	25 RS	180-230	TRANSFER GRILLE

NOTES :
1. THE ABOVE SELECTION BASED ON "TITUS", MODEL AS SPECIFIED.
2. FINNISH SHALL BE STANDARD #25 WHITE.
3. PATTERN SHALL BE AS SHOWN ON DRAWINGS.

PUMP SCHEDULE

MARK	MODEL	MOTOR			ARRANGEMENT	GPM	FT/ OF HEAD	SERVICE	REMARKS
		HP	Ø	V					
P-1,P-2	SERIES 80 2-1/2 X 2-1/2 X 7	2	3	208	IN-LINE	126	35	WATER SOURCE HEAT PUMP SYSTEM	PUMP CONTROL FROM SYSTEM CONTROL PANEL

NOTES :
1. THE ABOVE SELECTION BASED ON "BELL & GOSSET", MODEL AS SPECIFIED , MOTOR FRAME 145 , 1750 RPM , 68% EFFICIENCY.

CLOSED CIRCUIT COOLER SCHEDULE

SYMBOL	MODEL SIZE	CAP (MBH)	GPM	FAN (HP)	SPRAY PUMP (HP)	ELEC. PAN HEATER (KW)
CC-1	EFCC 122-3	366	128	7-1/2	1	4.5

NOTES :
1. THE ABOVE SELECTION BASED ON LOW-SILHOUETTE CLOSED CIRCUIT COOLER EQUAL TO "MECO" OPERATING AT THE FOLLOWING CONDITION ; 102°F RANGE 102° - 85°F) AND 12°F APPROACH (90° - 78°F) WITH 40% ETYLENE GLYCOL.
2. PROVIDE DISCHARGE CLOSURE DAMPERS , ELECTRIC WATER LEVEL CONTROL , TWO SPEED FAN MOTOR , VIBRATION ISOLATORS W/RAIL AND CONTROL PANEL (FIELD MOUNTED TO CLOSED CIRCUIT COOLER).

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(203) 295-9511

HVAC SCHEDULES

PROJECT NO. 8604
SCALE : NONE
DRAWN BY: GNR.
CHECKED BY: DP
DATE: 8/1/88

HVAC-6

SUPPLY & EXHAUST FAN SCHEDULE

SYMBOL	AREA SERVED	MODEL SIZE	CFM	T.S.P. (IN.WC)	HP	RPM	CONTROL
SF-1	OA	BSQ-16	2,050 (2,800)	5/8" (5/8")	1/2 (3/4)	985 (1,200)	TIME CLOCK
EF-1	119	G-70	190	3/8	1/30	1550	SPEED SWITCH W/PILOT LIGHT
EF-2	120	G-65	100	3/8	1/30	1550	SPEED SWITCH W/PILOT LIGHT
EF-3	107,108,109	G-70	190	3/8	1/30	1550	TIME CLOCK
*EF-4	106	CSP-60	420	1/2	320 WATTS	1050	SPEED SWITCH W/PILOT LIGHT
*EF-5	106	CSP-60	420	1/2	320 WATTS	1050	SPEED SWITCH W/PILOT LIGHT
*EF-6	105	CSP-60	420	1/2	320 WATTS	1050	SPEED SWITCH W/PILOT LIGHT
*EF-7	105	CSP-60	420	1/2	320 WATTS	1050	SPEED SWITCH W/PILOT LIGHT
*EF-8	104	CSP-60	420	1/2	320 WATTS	1050	SPEED SWITCH W/PILOT LIGHT
*EF-9	104	CSP-60	420	1/2	320 WATTS	1050	SPEED SWITCH W/PILOT LIGHT
*EF-10	104	CSP-60	420	1/2	320 WATTS	1050	SPEED SWITCH W/PILOT LIGHT
EF-11	142,143,226,227	BSQ-13-S	950(1,400)	3/4	1/2	1510	TIME CLOCK
EF-12	157	SP-17	75	1/4	64 WATTS	1550	TIME CLOCK
EF-13	156	CSP-60	430	1/2	320 WATTS	1050	HIGH LIMIT T'STAT (90°F)
EF-14	139	CSP-27	170	3/8	154 WATTS	1450	TIME CLOCK
*EF-15	152	CSP-50	210	1/2	142 WATTS	1050	SPEED SWITCH W/PILOT LIGHT
EF-16	117	SP-17	75	1/4	64 WATTS	1550	SINGLE POLE SWITCH FURNISHED & INSTALLED BY DIVISION 16
*EF-17	211	CSP-55	300	1/2	260 WATTS	1100	SPEED SWITCH W/PILOT LIGHT
*EF-18	205	CSP-55	240	1/2	200 WATTS	1100	SPEED SWITCH W/PILOT LIGHT
EF-19	204	SP-17	75	1/4	64 WATTS	1550	SINGLE POLE SWITCH FURNISHED & INSTALLED BY DIVISION 16
*EF-20	220	CSP-50	190	1/2	142 WATTS	1050	SPEED SWITCH W/PILOT LIGHT
EF-21	22,229,241	CSP-55	400	3/8	260 WATTS	1100	TIME CLOCK
*EF-22	232	CSP-60	370	1/2	320 WATTS	1050	SPEED SWITCH W/PILOT LIGHT
EF-23	210,212,223	BSQ-13-S	810(1210)	3/4	1/2	1510	TIME CLOCK
EF-24	ATTIC	BSQ-24	8,800	1/4	3	950	HIGH LIMIT T'STAT (90°F)

* THESE FANS SHALL INCLUDE CARBON ACTIVATED FILTERS EQUAL TO "FRAR", MODEL RSE-1000-H

NOTES :

1. THE ABOVE SELECTIONS BASED ON "GREENHECK", MODELS AS SPECIFIED.
2. THE ROOF EXHAUSTERS EF-1 THRU EF-3 , SHALL INCLUDE PREFAB ROOF CURBS, EQUAL TO "GREENHECK" MODEL GPNS, 12" HIGH W/GRAVITY BACKDRAFT DAMPERS, MODEL WD-100.
3. THRU-THE-WALL EXHAUSTERS SHALL BE PROVIDED W/DISCHARGE LOUVER, EQUAL TO "GREENHECK", MODEL WLSP.
4. IN-LINE FANS SHALL BE PROVIDED WITH 4" FLEXIBLE CONNECTIONS AND VIBRATION ISOLATORS EQUAL TO "MASON IND.", MODEL W30N.
5. ALL FANS SMALLER THAN 1/2HP SHALL BE 115 VOLTS/1 PHASE AND THOSE EQUAL OR LARGER SHALL BE 208 VOLTS/3 PHASE.
6. THE VALUES SHOWN IN PARANTHESES UNDER CFM,HP &RPM REQUIREMENTS ARE FOR FUTURE OFFICE SPACE AT 3RD FLOOR.

ELECTRIC HEATING UNIT, BASEBOARD AND PANEL SCHEDULE

SYMBOL	AREA SERVED	MODEL	SIZE	CAP (W)	FAN HP	CONTROLS
H-1	STAIR NO.1	(2)ASL-2448	2' X 4'	500	---	1-POLE T'STAT SET AT 55°
H-2	156	MUH.-05-8	---	5000	1/100	2-STAGE INTERNAL T'STAT SET AT 65°
H-3	STAIR NO.3	(2)ASL-2448	2' X 4'	500	---	1-POLE T'STAT SET AT 55°
H-4	101	(2)APH07A	6' - 0"	750	---	1-POLE INTERNAL T'STAT SET AT 55°
H-5	117	ARH-2224	2' X 2'	375	---	1-POLE T'STAT SET AT 75°F
H-6	142	ARH-2224	2' X 2'	375	---	1-POLE T'STAT SET AT 75°F
H-7	143	ARH-2224	2' X 2'	375	---	1-POLE T'STAT SET AT 75°F
H-8	155	ARL-2224	2' X 2'	250	---	2-POLE T'STAT SET AT 55°
H-9	159	MUH-03-8	---	3000	1/100	1-POLE INTERNAL T'STAT SET AT 55°
H-10	157	ARL-2248	2' X 4'	500	---	1-POLE T'STAT SET AT 70°F
H-11	158	ARL-2224	2' X 4'	250	---	1-POLE T'STAT SET AT 70°F
H-12	204	ARH-2224	2' X 2'	375	---	1-POLE T'STAT SET AT 75°F
H-13	226	ARL-2248	2' X 4'	500	---	1-POLE T'STAT SET AT 75°F
H-14	227	ARL-2248	2' X 4'	500	---	1-POLE T'STAT SET AT 75°F

NOTE :

1. THE ABOVE SELECTION BASED ON "AZTEC" WITH THE EXCEPTION OF H-2 , H-4 & H-9 WHICH ARE BASED ON "QMARK", MODELS AS SPECIFIED.
2. THE VOLTAGE SHALL BE 208 VOLTS/1 PHASE , EXCEPT H-2 WHICH SHALL BE 208 VOLTS/3 PHASE.
3. PROVIDE UNIVERSAL MOUNTING BRACKET FOR H-2 & H-9.

HOT WATER BOILER SCHEDULE

SYMBOL	MODEL SIZE	DOE HEAT CAP.(MBH)	I=B=R CAP. (MBH)	BURNER CAP.(MBH)	REMARKS
B-1	BB-14-W-SL	226.0	196.5	1.95	BOILER CONTROL FROM BOILER CONTROL PANEL

NOTES :

1. THE ABOVE SELECTION BASED ON A CAST-IRON/BURNER UNIT EQUAL TO "H.B.SMITH".
2. THE BOILER/BURNER ASSEMBLY SHALL BE FACTORY TESTED AND PROVIDED WITH STANDARD BOILER TRIMS.
3. WATER BOILER TEMPERATURE SHALL BE MAINTAINED AT 140°F.

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R.A. GOODELL & ASSOC., INC.
CONSULTING ENGINEERS
31 CONCORD ST.
GLASTONBURY, CONN. 06033

STATE OF CONNECTICUT
R. A. GOODELL & ASSOCIATES, INC.
CERTIFICATE OF PRACTICE OF ENGINEERING
No. 24

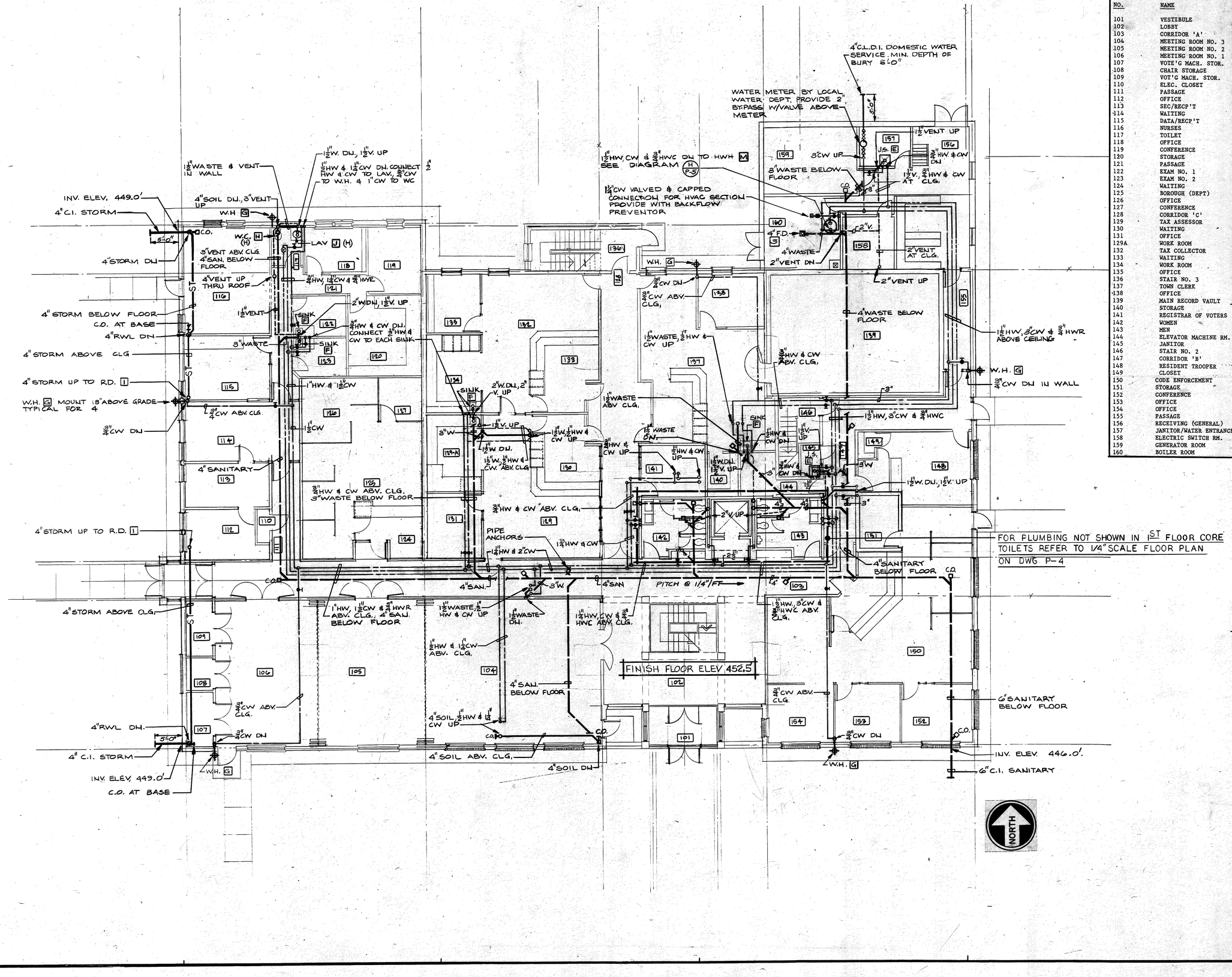
Peter Abel Inc.
Architects Planners
P.O. Box 210
21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

HVAC SCHEDULES

PROJECT NO. 8604

SCALE: NONE
DRAWN BY: GNR
CHECKED BY: DP
DATE: 8/1/88

HVAC-7



FIRST FLOOR	
NO.	NAME
101	VESTIBULE
102	LOBBY
103	CORRIDOR 'A'
104	MEETING ROOM NO. 3
105	MEETING ROOM NO. 2
106	MEETING ROOM NO. 1
107	VOTE'G MACH. STOR.
108	CHAIR STORAGE
109	VOT'G MACH. STOR.
110	ELEC. CLOSET
111	PASSAGE
112	OFFICE
113	SEC/RECP'T
114	WAITING
115	DATA/RECP'T
116	NURSES
117	TOILET
118	OFFICE
119	CONFERENCE
120	STORAGE
121	PASSAGE
122	EXAM NO. 1
123	EXAM NO. 2
124	WAITING
125	BOROUGH (DEPT)
126	OFFICE
127	CONFERENCE
128	CORRIDOR 'C'
129	TAX ASSESSOR
130	WAITING
131	OFFICE
129A	WORK ROOM
132	TAX COLLECTOR
133	WAITING
134	WORK ROOM
135	OFFICE
136	STAIR NO. 3
137	TOWN CLERK
138	OFFICE
139	MAIN RECORD VAULT
140	STORAGE
141	REGISTRAR OF VOTERS
142	WOMEN
143	MEN
144	ELEVATOR MACHINE RM.
145	JANITOR
146	STAIR NO. 2
147	CORRIDOR 'B'
148	RESIDENT TROOPER
149	CLOSET
150	CODE ENFORCEMENT
151	STORAGE
152	CONFERENCE
153	OFFICE
154	OFFICE
155	PASSAGE
156	RECEIVING (GENERAL)
157	JANITOR/WATER ENTRANCE
158	ELECTRIC SWITCH RM.
159	GENERATOR ROOM
160	BOILER ROOM

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FIRST FLOOR PLAN

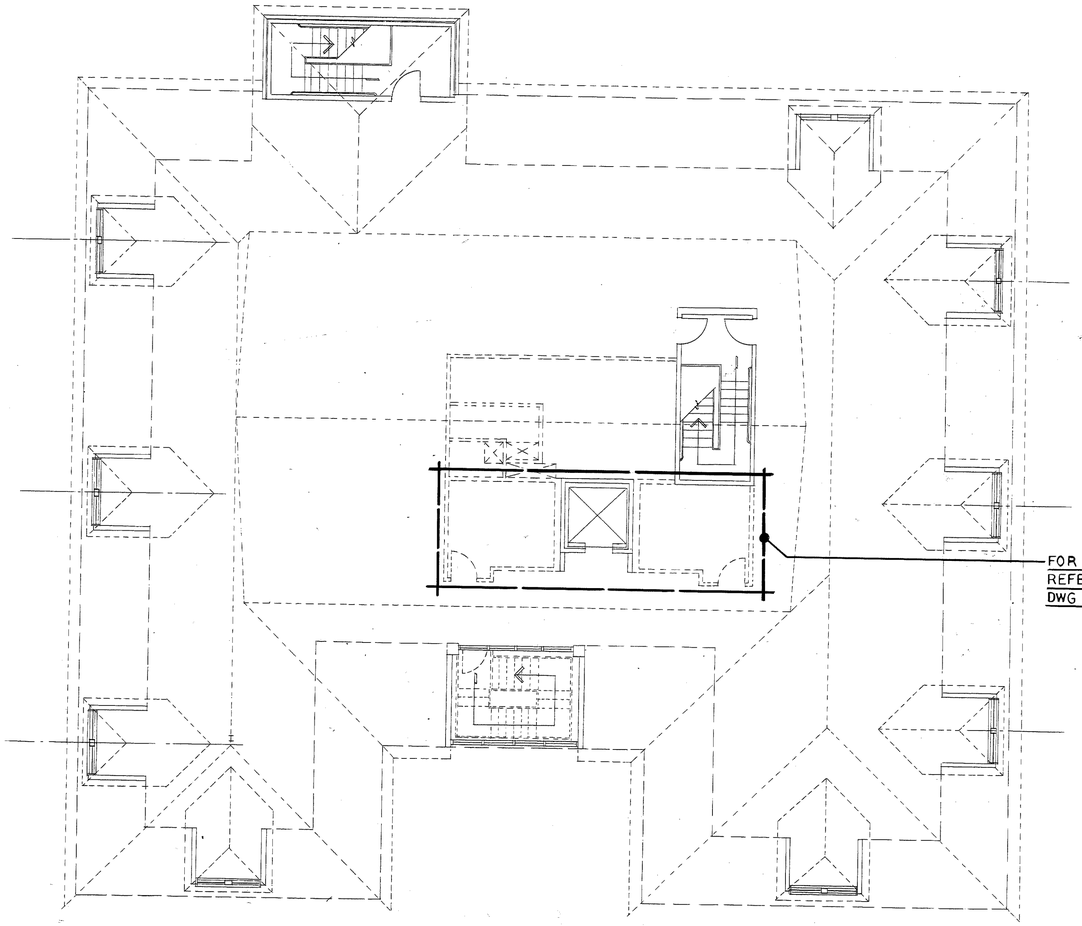
PLUMBING

PROJECT NO.
8604

SCALE: 1/8"=1'-0"
DRAWN BY: RS
CHECKED BY: RML
DATE: 8/1/88

P-1

130487



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ATTIC FLOOR PLAN

PLUMBING

PROJECT NO.
8604

SCALE: 1/8"-1'-0"
DRAWN BY: RS
CHECKED BY: RML
DATE: 8/1/88

P-3

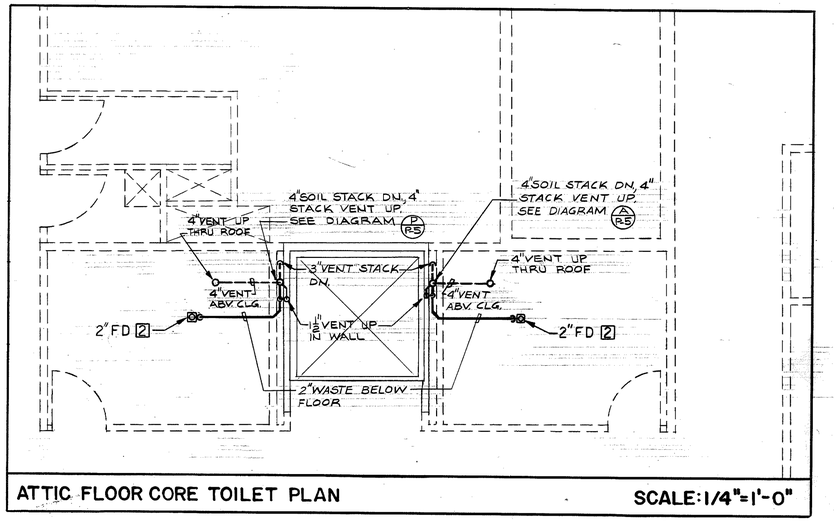
PLUMBING FIXTURE SCHEDULE

FIXTURE	SYMBOL	DESCRIPTION
WATER CLOSET	W.C. A	KOHLER "KINGSTON" K-4430-ET WATER-GUARD VITREOUS CHINA, SIPHON JET ELONGATED WALL HUNG TOILET, 1-1/2" TOP SPUD. DELANY 402 FLUSH VALVE. OLSONITE NO. 95 EXTRA HEAVY DUTY OPEN FRONT WHITE TOILET SEAT LESS COVER. PROVIDE WADE OR ZURN CHAIR CARRIER. 4" WASTE, 2" VENT, 1" C.W.
URINAL	URN B	KOHLER "BARDON WATER-GUARD" K-4980-T VITREOUS CHINA WASHOUT ACTION WALL HUNG URINAL WITH 3/4" TOP SPUD INLET, 2" I.P.S. OUTLET, WALL HANGERS AND REMOVABLE BEEHIVE STRAINER, DELANY "FLUSHBOY" MODEL 451 FLUSH VALVE. PROVIDE WADE OR ZURN CHAIR CARRIER. 2" WASTE, 1-1/2" VENT, 3/4" C.W.
LAVATORY	LAV. C	KOHLER "FARMINGTON" K2904 19-1/4" X 16-1/4" ENAMELED CAST IRON COUNTERTOP SELF-RIMMING LAVATORY. K-13885 1-1/4" OFFSET DRAIN WITH OPEN STRAINER. (2) K-13711 3/8" I.P.S. SUPPLIES WITH LOOSE KEY STOPS. (2) K-7620 1/4" I.P.S. STRAIGHT TAILPIECES. K-9000 1-1/4" X 1-1/2" CAST BRASS P-TRAP. DELTA OR SYMMONS MODEL S-90-2-G SINGLE LEVER CENTERSET FAUCET, CHROME PLATED PERFORATED GRID STRAINER WITH 1-1/4" O.D. TAILPIECE, 2.75 GPM FLOW RESTRICTOR. INSULATE HOT WATER AND WASTE PIPING BELOW LAVATORIES. 1-1/2" WASTE, 1-1/2" VENT, 1/2" H.W. & C.W.
WATER COOLER	EWC-D	ELKAY MODEL ERP2-8-C FULLY EXPOSED DUAL HEIGHT STAINLESS STEEL FOUNTAINS WITH RECESSED IN-THE-WALL, SELF-CONTAINED, ELECTRIC REFRIGERATED WATER COOLER. NON-PRESSURIZED TANK SYSTEM. STAINLESS STEEL CABINET. CAPACITY OF 7.8 GPH OF 50 DEGREE F. DRINKING WATER AT 90 DEGREES AMBIENT TEMPERATURE. FLEXIGUARD SAFETY BUBBLERS. PUSH BAR ON FRONT. 1/5 HP MOTOR, 115V, 60 HZ, SINGLE PHASE. PROVIDE 1-1/2" C.P., P-TRAP AND SHUT-OFF VALVE. PROVIDE ADDITIONAL SUPPORT AS REQUIRED TO SUPPORT 300 LBS. 1-1/2" WASTE, 1-1/2" VENT, 1/2" C.W.
JANITOR SINK	J.S. E	FIAT MODEL TSB-3000, 12" HIGH, 24" X 24" PRECAST TERRAZZO MOP SERVICE BASIN WITH 6" DROP FRONT. NO. 1239-BB ALUMINUM BUMPERGUARD PLATE WITH VINYL INSERT, NO. 830-AA CHROME PLATED SERVICE FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS, NO. 889-CC MOP HANGER, NO. 832-AA HOSE AND HOSE BRACKET, NO. 833-AA SILICONE SEALANT. 3" WASTE, 1-1/2" VENT, 1/2" H.W. AND C.W.
SINK	SINK F	ELKAY "LUSTERTONE" MODEL LR-2222 22" X 22" X 7-1/2" DEEP, SINGLE COMPARTMENT, SELF-RIMMING STAINLESS STEEL SINK, 18 GAUGE, TYPE 302, 3-1/2" DRAIN OPENING, (3) FAUCET HOLES. LK-35B STANDARD DUO-STAINER WITH 1-1/2" O.D. STAINLESS STEEL TAILPIECE. 1-1/2" C.P. P-TRAP WITH CLEANOUT. LK-2450 DECK MOUNT FAUCET WITH 10" HIGH GOOSENECK SWING SPOUT AND AERATOR. 1-1/2" WASTE, 1-1/2" VENT, 1/2" H.W. AND C.W.
WALL HYDRANT	W.H. G	WOODFORD, MODEL 865 SERIES, AUTOMATIC DRAINING FREEZELESS WALL HYDRANT, 3/4" HOSE THREAD NOZZLE WITH VACUUM BREAKER BACKFLOW PREVENTER, ONE-PIECE VALVE PLUNGER TO CONTROL BOTH FLOW AND DRAIN FUNCTIONS, HARDENED STAINLESS STEEL OPERATING STEM CHROME FINISH ON BRASS CASTINGS. LOOSE TEE KEY FURNISHED.
WATER CLOSET	W.C. H	KOHLER "DOWNING-WATER-GUARD" K-4262-ET VITREOUS CHINA SIPHON JET ELONGATED FLOOR MOUNTED TOILET WITH 2-5/8" PASSAGEWAY, 1-1/2" TOP SPUD, (2) K-4562 BOLT CAPS, 12" ROUGHING. DELANY "FLUSHBOY" 402 FLUSH VALVE. OLSONITE NO. 95 EXTRA HEAVY DUTY OPEN FRONT WHITE TOILET SEAT LESS COVER. OLSONITE NO. L210-CC 2" LIFT SEAT AT HANDICAP FIXTURE LOCATIONS. 4" WASTE, 2" VENT, 1" C.W.
LAVATORY (HANDICAPPED)	LAV J	KOHLER "HORNINGSIDE" K-12636, 20" X 27" VITREOUS CHINA WHEELCHAIR LAVATORY WITH 4" FAUCET CENTERS. K-13885 1-1/4" OFFSET DRAIN WITH OPEN STRAINER. (2) K-13711 3/8" I.P.S. SUPPLIES WITH LOOSE KEY STOPS. (2) K-7620 1/4" I.P.S. STRAIGHT TAILPIECES. K-9000 1-1/4" X 1-1/2" CAST BRASS P-TRAP. SYMMONS "SCOT" S-60-H VANDALPROOF METERING/TEMPERATURE SELECTION FAUCET WITH LEVER TYPE HANDLE. INSULATE HOT WATER AND WASTE PIPE BELOW LAVATORY. 1-1/2" WASTE, 1-1/2" VENT, 1/2" H.W. AND C.W.
ELECTRIC WATER COOLER	E.W.C. K	ELKAY "WHEELCHAIR SERIES", MODEL EBFS-8 SELF-CONTAINED WALL HUNG ELECTRIC REFRIGERATED WATER COOLER. SELF-CLOSING PUSH BAR ON FRONT AND BOTH SIDES. NON-PRESSURIZED TANK SYSTEM. STAINLESS STEEL CABINET. CAPACITY OF 7.6 GPH OF 50 DEGREES F DRINKING WATER AT 90 DEGREES F AMBIENT TEMPERATURE. FLEXIGUARD SAFETY BUBBLER. 1/5 HP, 115V, 60 HZ, SINGLE PHASE. PROVIDE 1-1/2" C.P. P-TRAP, SHUT-OFF VALVE. COLOR BY ARCHITECT.
LAVATORY	LAV L	KOHLER "HUDSON" K-2867 20" X 18" ENAMELED CAST IRON WALL MOUNTED LAVATORY WITH 4" FAUCET CENTERS AND LUGS FOR CHAIR CARRIER. (2) K-7606 CHROME PLATED 3/8" ANGLE SUPPLIES WITH STOPS. SYMMONS S-90-2 SINGLE LEVER WASHERLESS LAVATORY FAUCET WITH AERATOR AND POP-UP DRAIN WITH 1-1/4" TAILPIECE. PROVIDE WADE OR ZURN LAVATORY CARRIER. 1-1/2" WASTE, 1-1/2" VENT, 1-1/2" H.W. AND C.W.
WATER HEATER	HWH M	CARLIN MODEL RCG-50 REAR FLUE OIL FIRED WATER HEATER. 70 GALLON GLASS-LINED STEEL STORAGE TANK. 180 GPH RECOVERY RATE AT 90 DEGREES F. TEMPERATURE RISE. 186,400 BTU/HR INPUT, 1.35 GPH FIRING RATE. 150 PSI WORKING PRESSURE. COMPLETE WITH CARLIN FLAME RETENTION OIL BURNER, CONTROLS, FITTINGS, ETC. PROVIDE ASME RATED PRESSURE AND TEMPERATURE RELIEF VALVE, SHUT-OFF VALVES, UNIONS AND DRAIN VALVE. SET AT 120 DEGREE F.
CIRCULATING PUMP	CIRC N	BELL & GOSSETT MODEL 111 PR IN-LINE RECIRCULATING PUMP. 5 GPM AT 17 FEET HEAD. ALL BRONZE CONSTRUCTION, 1750 RPM, 1/6 HP, 120 VOLT, 1 PHASE.
ROOF DRAIN	R.D. 1	WADE OR ZURN Z-100ERG MAIN ROOF DRAIN DURA-COATED CAST IRON BODY WITH EXTENSION ROOF SUMP RECEIVER AND UNDERDECK CLAMP. DRAIN SHALL HAVE COMBINATION MEMBRANE FLASHING LAMP/GRAVEL GUARD AND LOW SILHOUETTE POLYDOME. NO-HUB CONNECTION.
FLOOR DRAIN (TOILETS)	F.D. 2	ZURN ZN-415 FLOOR AND SHOWER DRAIN, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE TYPE "M" NICKEL BRONZE 5" ROUND STRAINER WITH BUCKET. NON-HUB CONNECTION. PROVIDE DEEP SEAL P-TRAP. VANDALPROOF. PROVIDE 24" SQUARE, 4 LB. SHEET LEAD FLASHING.
FLOOR DRAIN (BOILER RM.)	F.D. 3	ZURN ZN-541 12" DIA. TOP, HEAVY-DUTY DRAIN, DURA COATED CAST IRON BODY WITH BOTTOM OUTLET, SEEPAGE PAN AND COMBINATION MEMBRANE FLASHING CLAMP AND FRAME FOR HEAVY DUTY CAST IRON DEEP ANTI-TILT SLOTTED GRATE WITH SUSPENDED SEDIMENT BUCKET. PROVIDE DEEP SEAL P-TRAP AND 24" SQUARE, 4 LB. SHEET LEAD FLASHING.

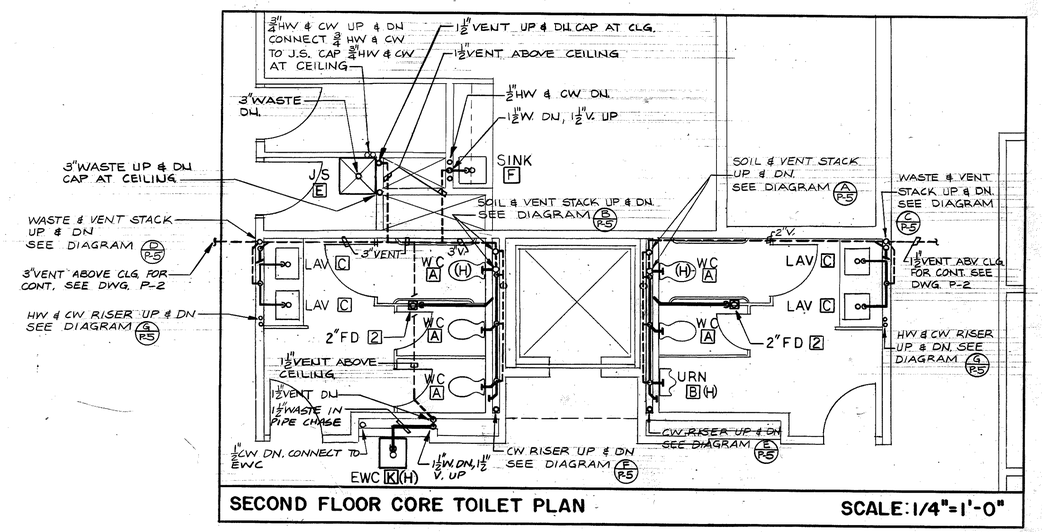
PLUMBING LEGEND

SYMBOLS USED ARE INDICATED BY A CHECK (✓)

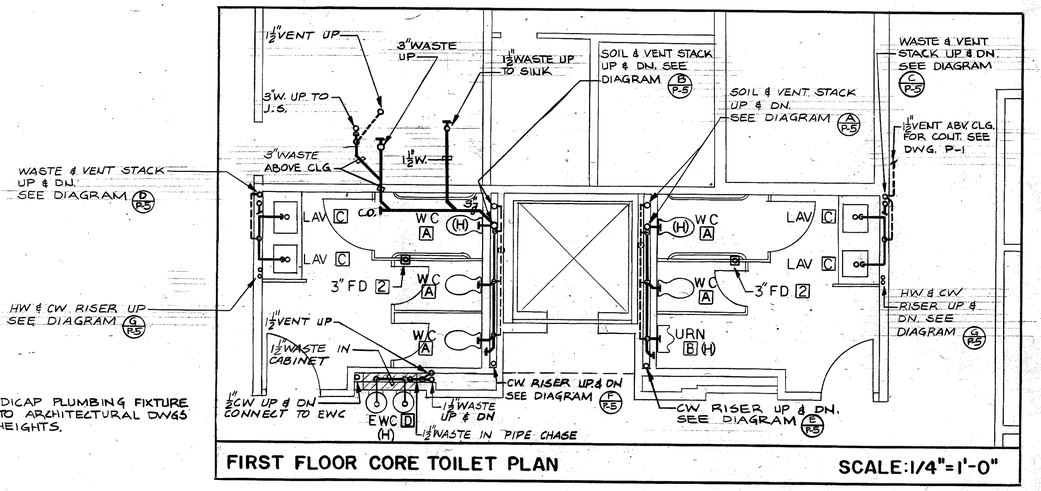
C.W.	COLD WATER LINE
H.W.	HOT WATER LINE
H.W.C.	HOT WATER CIRCULATING LINE
G	GAS LINE
F	FIRE LINE
A	COMPRESSED AIR LINE
	BALANCE VALVE, GAS COCK OR CURB VALVE
	WALL HYDRANT
	CHECK VALVE
	GATE VALVE
	GLOBE VALVE
	CONTROL VALVE
B.W.V.	BACK WATER VALVE
C.I.	CAST IRON
	LAVATORY
S.S.	SERVICE SINK
	CLASSROOM SINK
	WATER CLOSET-FLUSH VALVE-WALL HUNG
	WATER CLOSET-FLUSH VALVE-FLOOR OUTLET
	WATER CLOSET-TANK TYPE
	URINAL
D.F.	DRINKING FOUNTAIN
E.W.C.	ELECTRIC WATER COOLER
	FLOOR DRAIN, ROOF DRAIN OR AREA DRAIN
	SHOWER HEAD
S.R.	SERVICE RECEPTOR
R.W.L.	RAIN WATER LEADER
F.S.P.	FIRE STANDPIPE
S.S.	SOIL STACK
W.S.	WASTE STACK
V.S.	VENT STACK
W&V.	WASTE & VENT STACK
A.V.	ACID VENT
A.W.	ACID WASTE
ST.	STORM LINE
SAN.	SANITARY LINE
	STORM OR SANITARY LINE IN GROUND
	STORM OR SANITARY LINE EXPOSED
C.O.	CLEANOUT
C.O.	CLEANOUT WITH ACCESS FROM FLOOR ABOVE
R.T.	RUNNING TRAP
M.H.	MANHOLE
C.B.	CATCH BASIN
F.D.	FLOOR DRAIN
A.D.	AREA DRAIN
R.D.	ROOF DRAIN
W.H.	WALL HYDRANT
N.F.	NON-FREEZE
	BALL VALVE
F.H.	FIRE HYDRANT
	BUTTERFLY VALVE
B.F.P.	BACKFLOW PREVENTER
	STRAINER
W.F.	WASH DOWN FAUCET
	TEMPERATURE GAUGE
P	PRESSURE GAUGE
P.R.V.	PRESSURE REDUCING VALVE



ATTIC FLOOR CORE TOILET PLAN — SCALE: 1/4"=1'-0"



SECOND FLOOR CORE TOILET PLAN — SCALE: 1/4"=1'-0"



FIRST FLOOR CORE TOILET PLAN — SCALE: 1/4"=1'-0"

NOTE

1. (H) INDICATES HANDICAP PLUMBING FIXTURE LOCATION REFER TO ARCHITECTURAL DWGS FOR MOUNTING HEIGHTS.

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COLCHESTER, CONNECTICUT

STATE OF CONNECTICUT — RUSSELL A. ARSENAULT — No. 24 — REGISTERED PROFESSIONAL ENGINEER

Peter Abel Inc.
Architects Planners
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21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

PLUMBING DETAILS

PROJECT NO. 8604

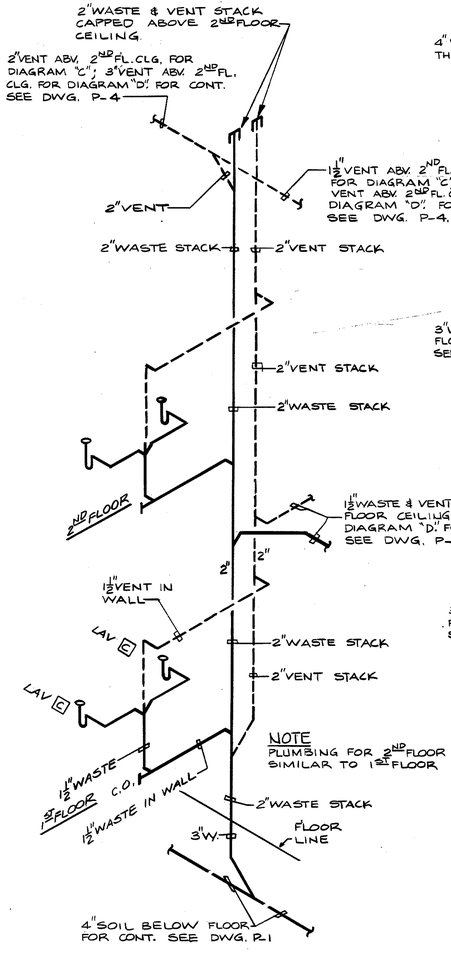
SCALE: 1/4" -1'-0"

DRAWN BY: RS

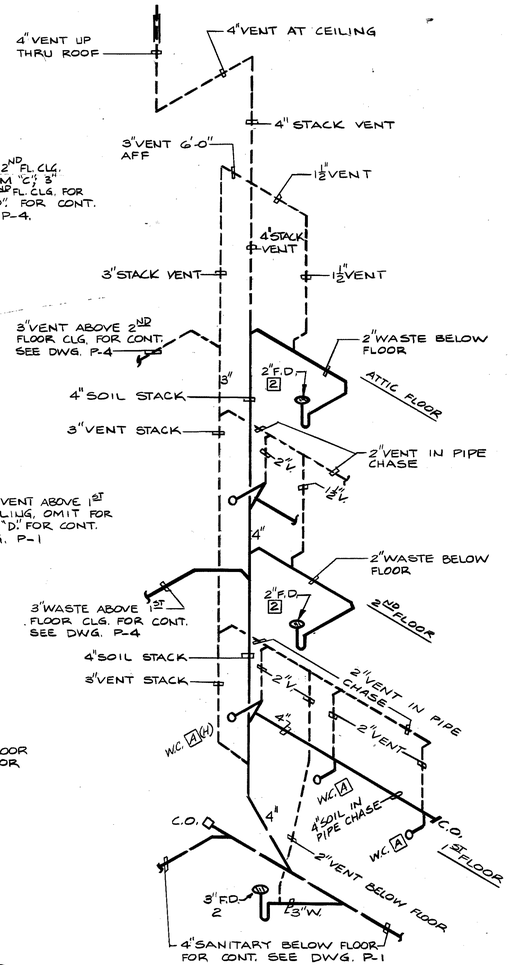
CHECKED BY: RML

DATE: 8/1/88

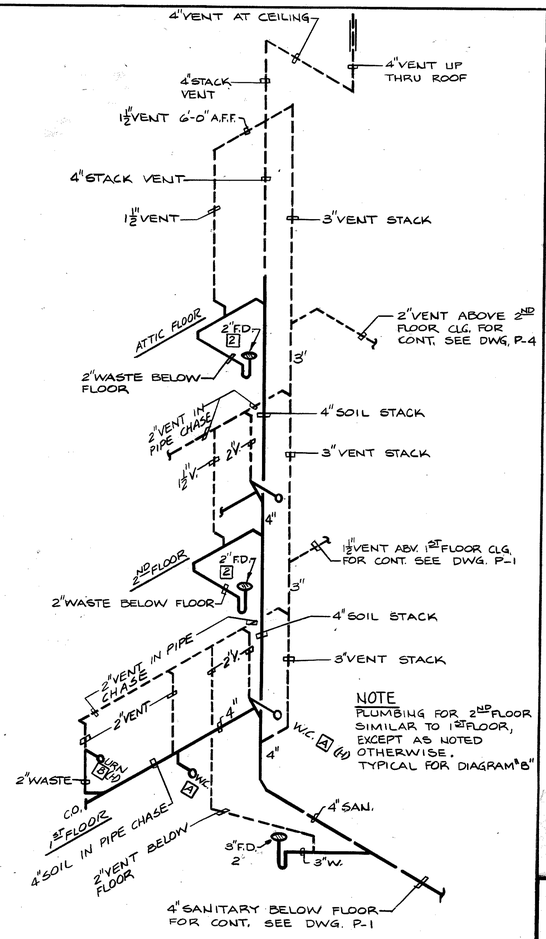
P-4



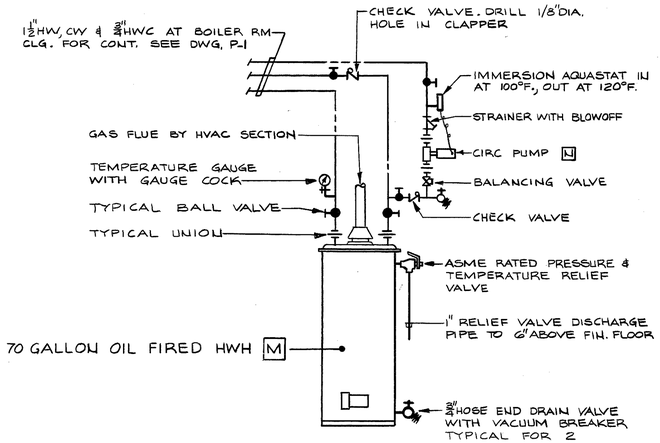
WASTE & VENT PIPING DIAGRAM C P-5 D P-5



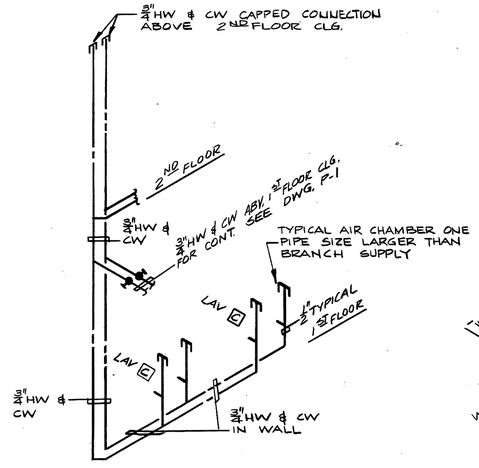
SOIL, WASTE & VENT PIPING DIAGRAM B P-5



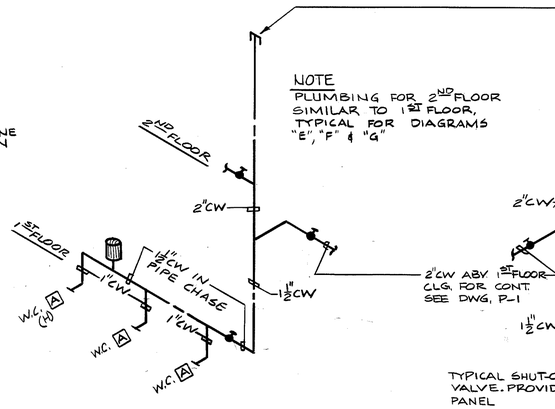
SOIL, WASTE & VENT PIPING DIAGRAM A P-5



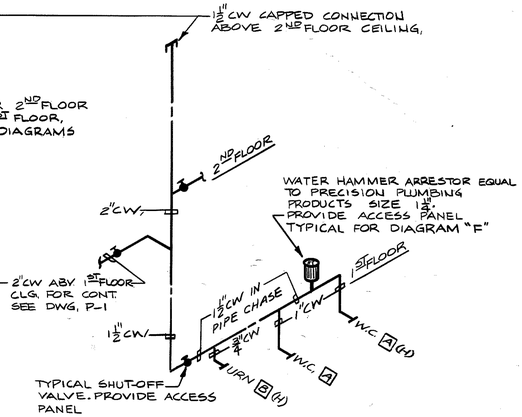
WATER HEATER PIPING DIAGRAM H P-5



WATER PIPING DIAGRAM G P-5



WATER PIPING DIAGRAM F P-5



WATER PIPING DIAGRAM E P-5

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STATE OF CONNECTICUT — SCHOOLS & ASSOCIATED FACILITIES — No. 24 — CORPORATE PRACTICE of ENGINEERING

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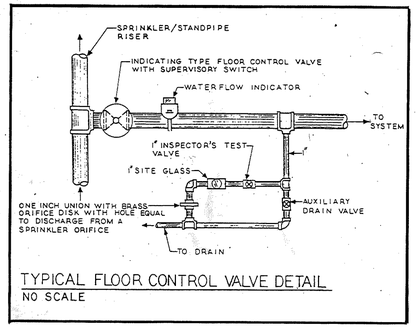
PLUMBING DETAILS

PROJECT NO. 8604

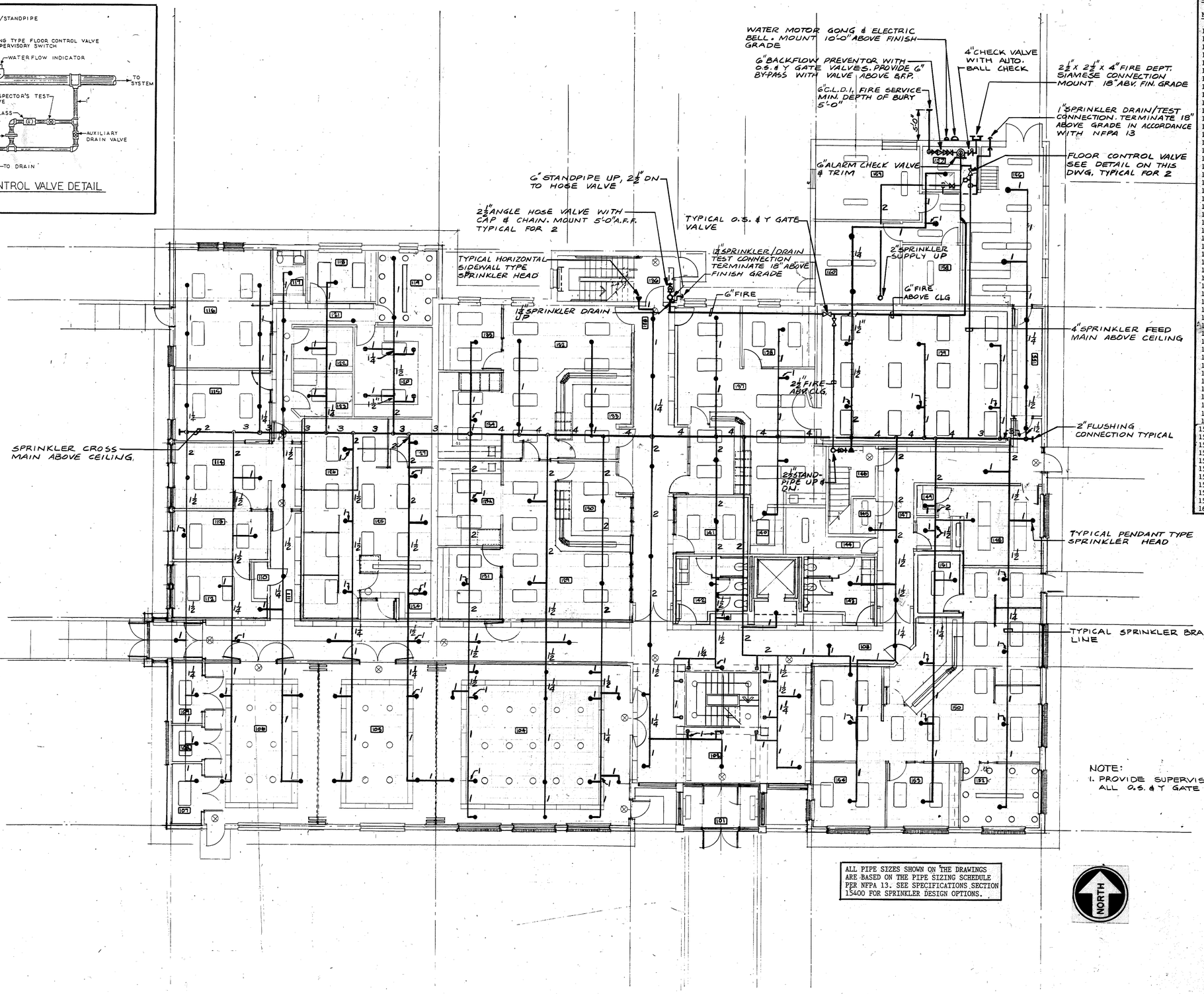
SCALE: NO SCALE
DRAWN BY: RS
CHECKED BY: RML
DATE: 8/1/88

P-5



TYPICAL FLOOR CONTROL VALVE DETAIL

NO SCALE



NOTE:
1. PROVIDE SUPERVISORY SWITCHES ON ALL O.S. & Y GATE VALVES.

ALL PIPE SIZES SHOWN ON THE DRAWINGS ARE BASED ON THE PIPE SIZING SCHEDULE PER NFPA 13. SEE SPECIFICATIONS SECTION 15400 FOR SPRINKLER DESIGN OPTIONS.

NORTH

FIRST FLOOR

NO.	NAME
101	VESTIBULE
102	LOBBY
103	CORRIDOR 'A'
104	MEETING ROOM NO. 3
105	MEETING ROOM NO. 2
106	MEETING ROOM NO. 1
107	VOTE'G MACH. STOR.
108	CHAIR STORAGE
109	VOT'G MACH. STOR.
110	ELEC. CLOSET
111	PASSAGE
112	OFFICE
113	SEC/RECP'T
114	WAITING
115	DATA/RECP'T
116	NURSES
117	TOILET
118	OFFICE
119	CONFERENCE
120	STORAGE
121	PASSAGE
122	EXAM NO. 1
123	EXAM NO. 2
124	WAITING
125	BOROUGH (DEPT)
126	OFFICE
127	CONFERENCE
128	CORRIDOR 'C'
129	TAX ASSESSOR
130	WAITING
131	OFFICE
129A	WORK ROOM
132	TAX COLLECTOR
133	WAITING
134	WORK ROOM
135	OFFICE
136	STAIR NO. 3
137	TOWN CLERK
138	OFFICE
139	MAIN RECORD VAULT
140	STORAGE
141	REGISTRAR OF VOTERS
142	WOMEN
143	MEN
144	ELEVATOR MACHINE RM.
145	JANITOR
146	STAIR NO. 2
147	CORRIDOR 'B'
148	RESIDENT TROOPER
149	CLOSET
150	CODE ENFORCEMENT
151	STORAGE
152	CONFERENCE
153	OFFICE
154	OFFICE
155	PASSAGE
156	RECEIVING (GENERAL)
157	JANITOR/WATER ENTRANCE
158	ELECTRIC SWITCH RM.
159	GENERATOR ROOM
160	BOILER ROOM

SPRINKLER TYPE	TEMP.	SYMBOL	QUANT.
CHROME PEND	165°		
BRASS UP	212°		
HORZ. DRY S.W	212°		

MUNICIPAL OFFICE COMPLEX
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CONSULTING ENGINEERS
31 CONCORD ST.
GLASTONBURY, CONN. 06033

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Peter Abel Inc.
Architects Planners
P.O. Box 210
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Marlborough, Connecticut 06447-0210
(203) 295-9511

FIRST FLOOR PLAN

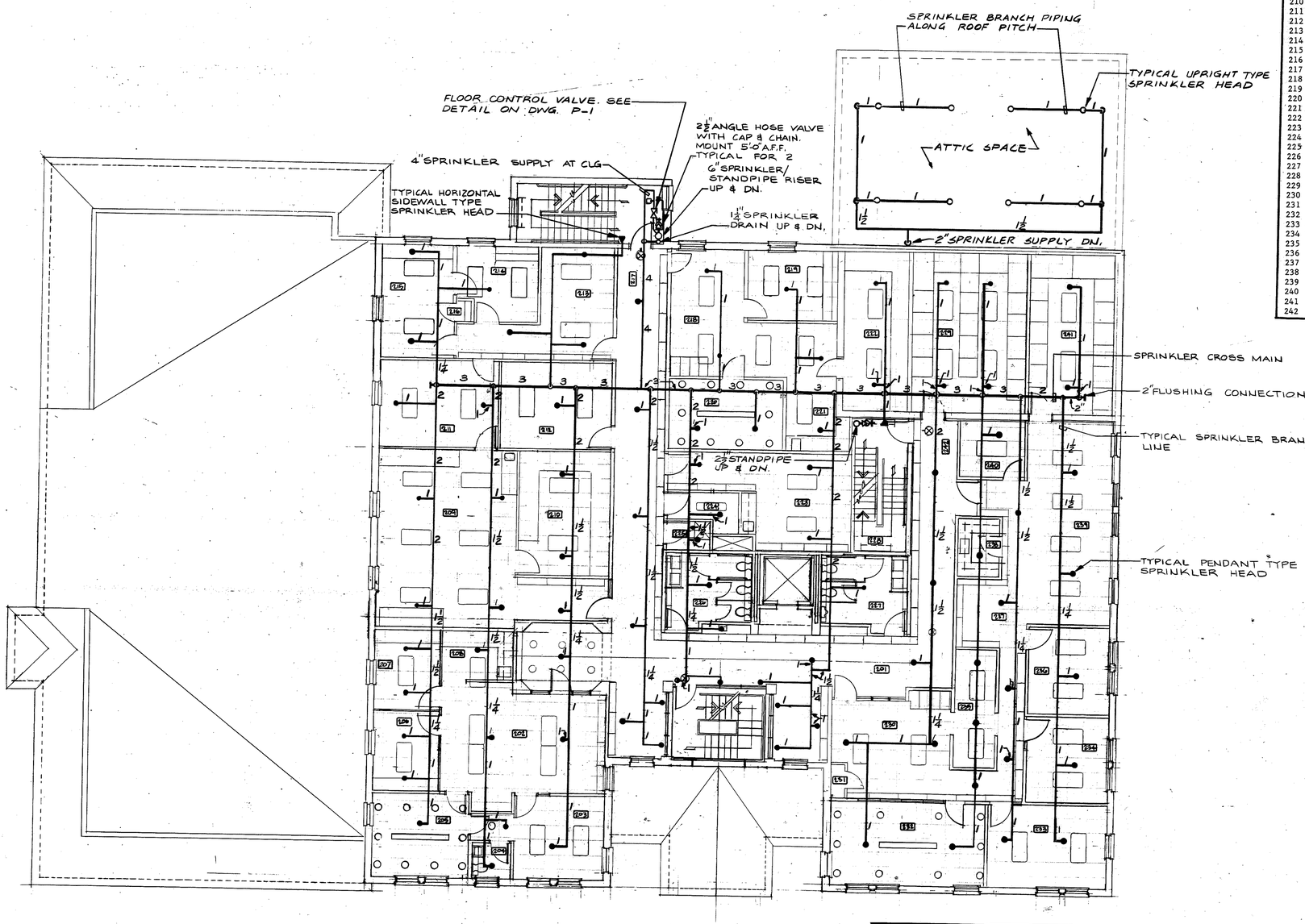
FIRE PROTECTION

PROJECT NO.
8604

SCALE: 1/8"=1'-0"
DRAWN BY: PG
CHECKED BY: FBH
DATE: 8/1/88

FP-1

135487



ALL PIPE SIZES SHOWN ON THE DRAWINGS ARE BASED ON THE PIPE SIZING SCHEDULE PER NFPA 13. SEE SPECIFICATIONS SECTION 15400 FOR SPRINKLER DESIGN OPTIONS.

NORTH

SECOND FLOOR

NO.	NAME
201	CORRIDOR 'A-1'
202	TOWN ADMINISTRATION
203	SELECTMAN
204	TOILET
205	CONFERENCE
206	OFFICE
207	OFFICE
208	WORK ROOM
209	PAYROLL/ACCOUNTING
210	RECORD STORAGE
211	CONF/FUTURE COMPUTER
212	PHOTOCOPY/STORAGE
213	SEC/RECP'T
214	OFFICE
215	OFFICE
216	CLOSET
217	CORRIDOR 'C-1'
218	SEC/RECP'T (PROBATE)
219	OFFICE
220	CHAMBERS
221	WORK ROOM
222	RECORD STORAGE
223	EMPLOYEE'S LOUNGE
224	ELECTRICAL CLOSET
225	JANITOR CLOSET
226	WOMEN
227	MEN
228	STAIR NO. 2
229	GENERAL RECORD STOR.
230	RECP'T/SEC. (BD. OF ED.)
231	CLOSET
232	CONFERENCE
233	SUPERINTENDENT'S OFF.
234	OFFICE
235	RECORD STORAGE
236	DIRECTOR SPECIAL ED.
237	SEC. SPECIAL ED.
238	WORK ROOM
239	FINANCE/PAYROLL
240	OFFICE
241	RECORD STORAGE
242	CORRIDOR 'B'

SPRINKLER TYPE	TEMP.	SYMBOL	QUANT.
CHR PEND	165°	-●-	
BRASS UP	212°	-○-	
HORZ. DRY S.W.	212°	-◁	

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SECOND FLOOR PLAN

FIRE PROTECTION

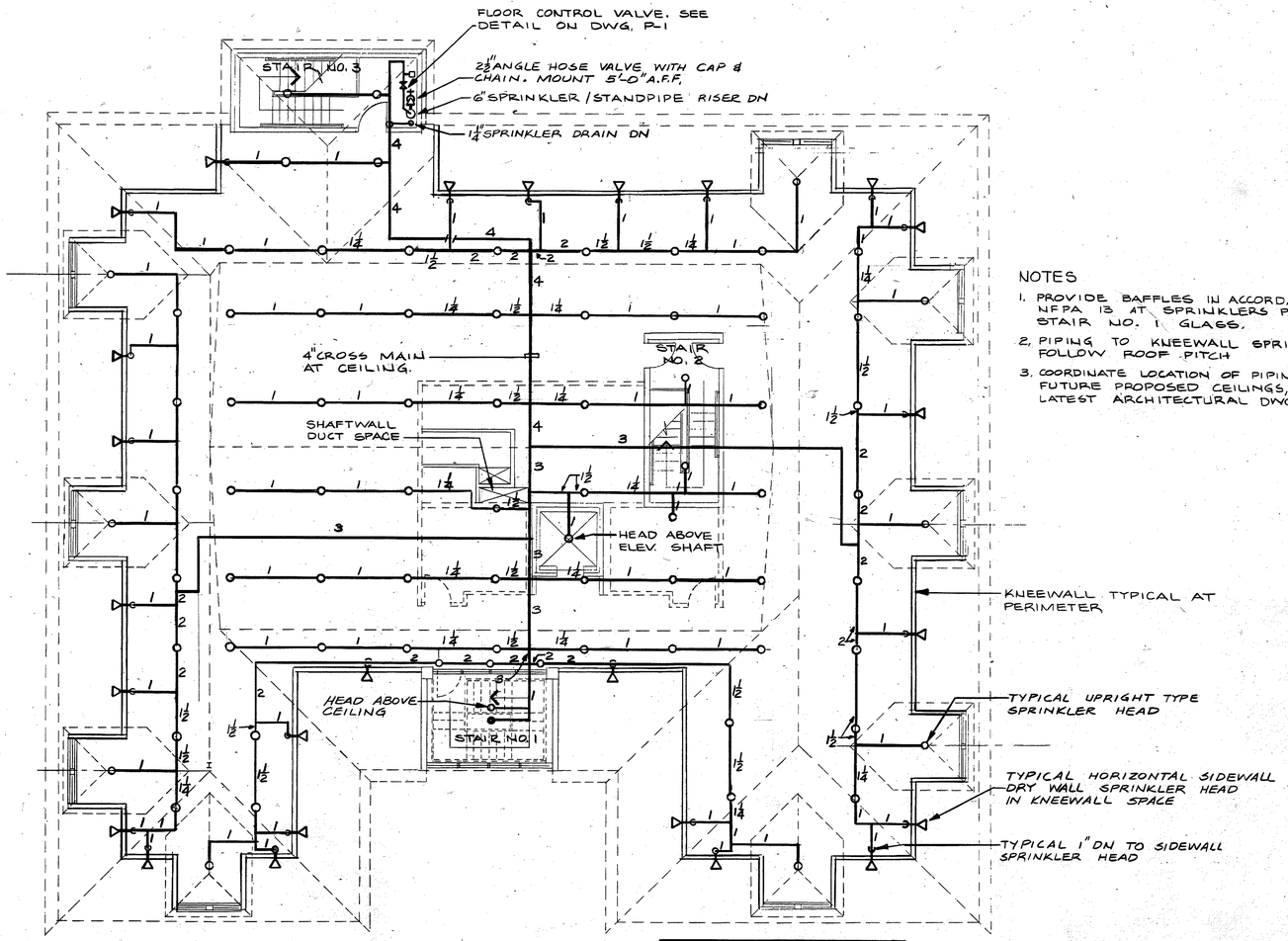
PROJECT NO.
8604

SCALE: 1/8"=1'-0"
DRAWN BY: RS
CHECKED BY: RML
DATE: 8/1/88

FP-2

130487

SPRINKLER TYPE	TEMP.	SYMBOL	QUANT.
CHR. PEND.	165°		
BRASS U.P.	212°		
HORZ. DRY S.W.	212°		



NOTES

1. PROVIDE BAFFLES IN ACCORDANCE WITH NFPA 13 AT SPRINKLERS PROTECTING STAIR NO. 1 GLASS.
2. PIPING TO KNEEWALL SPRINKLERS TO FOLLOW ROOF PITCH
3. COORDINATE LOCATION OF PIPING WITH FUTURE PROPOSED CEILINGS, REFER TO LATEST ARCHITECTURAL DWGS.

ALL PIPE SIZES SHOWN ON THE DRAWINGS ARE BASED ON THE PIPE SIZING SCHEDULE PER NFPA 13. SEE SPECIFICATIONS SECTION 15400 FOR SPRINKLER DESIGN OPTIONS.

NORTH

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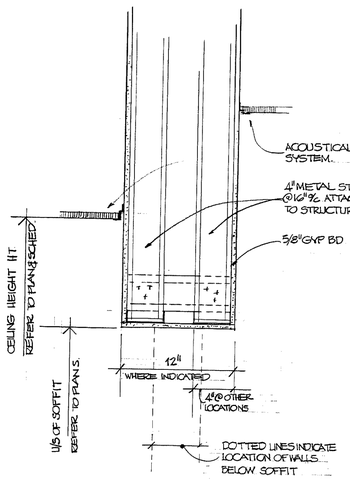
ATTIC FLOOR PLAN

FIRE PROTECTION

PROJECT NO.
8604

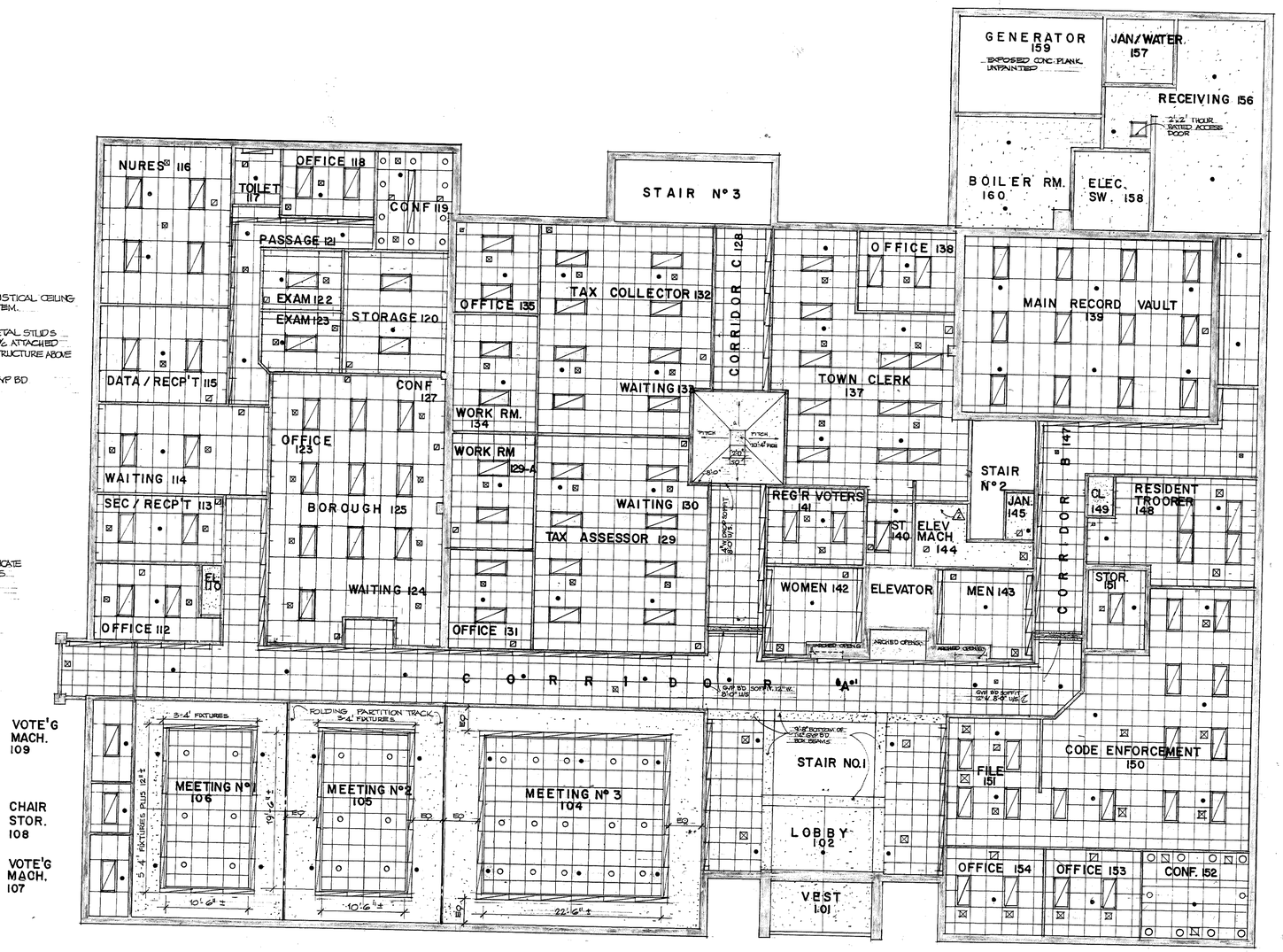
SCALE: 1/8"=1'-0"
DRAWN BY: RS
CHECKED BY: RML
DATE: 8/1/83

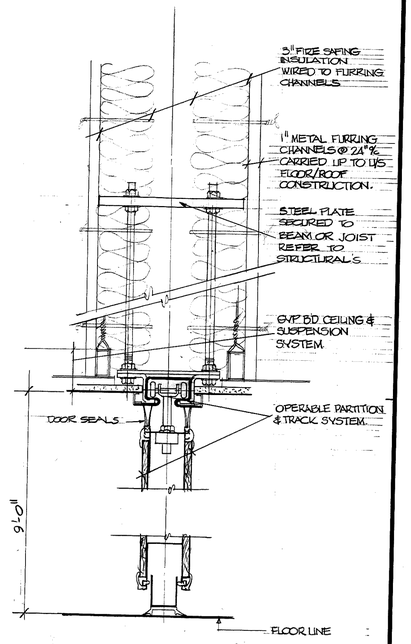
FP-3



DETAIL OF TYPICAL DROPED SOFFIT

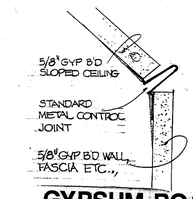
NOTE: ADJUST DETAIL FOR AREAS WHERE WIDTH IS 4'-0" ONLY & WHERE CEILING HEIGHTS ARE DIFFERENT.





OPERABLE PARTITION DETAIL

NO SCALE:



GYPSUM BOARD CONTROL JOINT DETAIL

SCALE: NONE

CEILING LEGEND

- 2'-2' LAY-IN GRID CEILING & RECESSED LIGHT FIXTURE
- 2'-4' LAY-IN GRIG CEILING & RECESSED LIGHT FIXTURE
- PAINTED GYPSUM BOARD
- SUPPLY REGISTER
- RETURN GRILLE
- SPRINKLER HEAD

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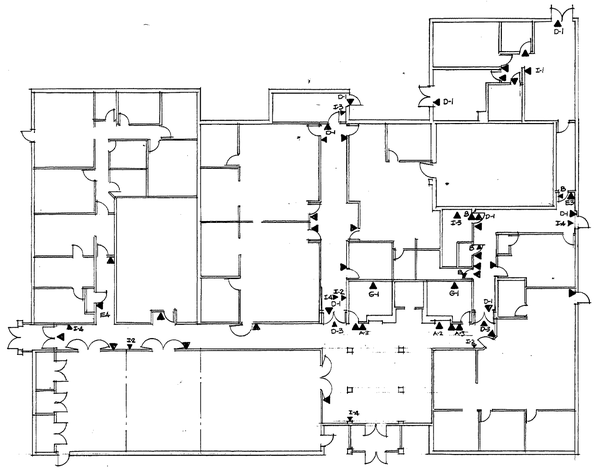
REFLECTIVE CEILING PLAN FIRST FLOOR

PROJECT NO. 8604

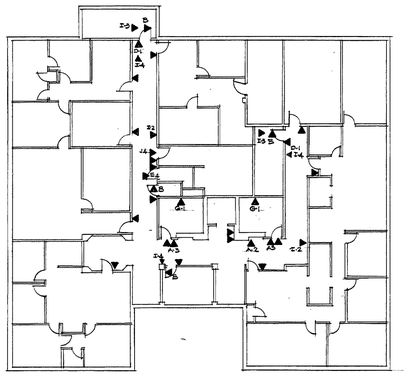
SCALE: AS NOTED
DRAWN BY: F.S.M.
CHECKED BY: F.S.M.
DATE: AUGUST 1, 1988

A-4

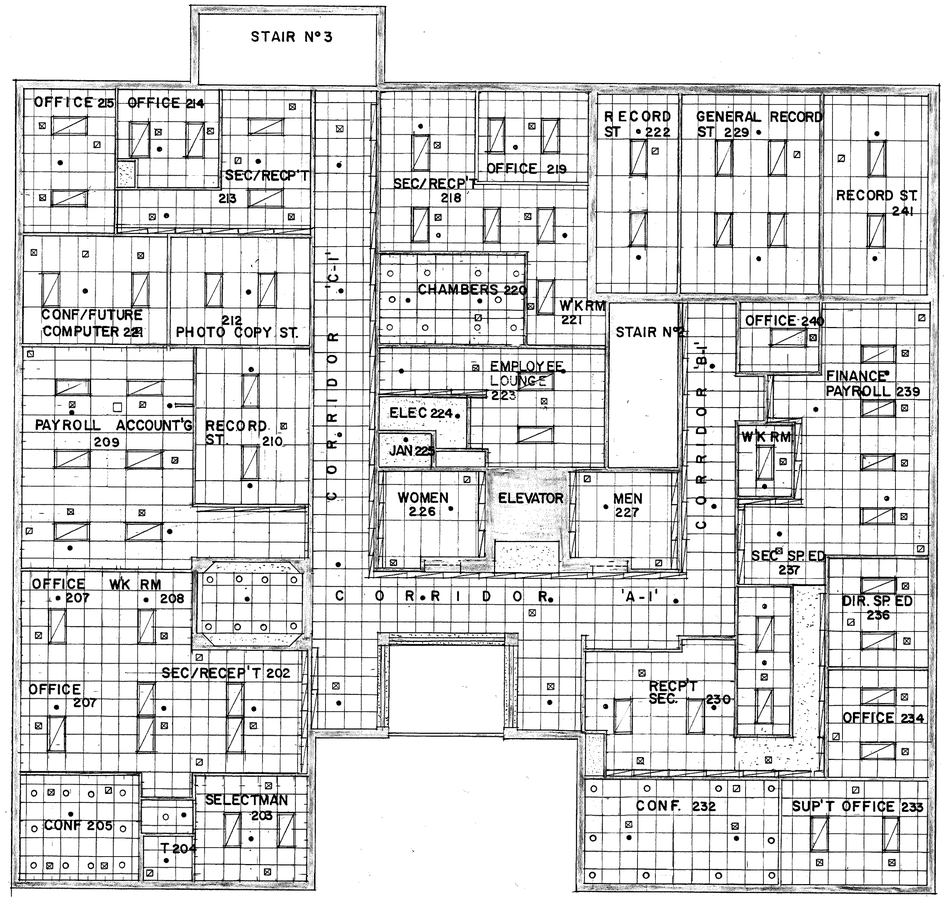
130457



SIGNAGE PLAN first floor



SIGNAGE PLAN sceond floor



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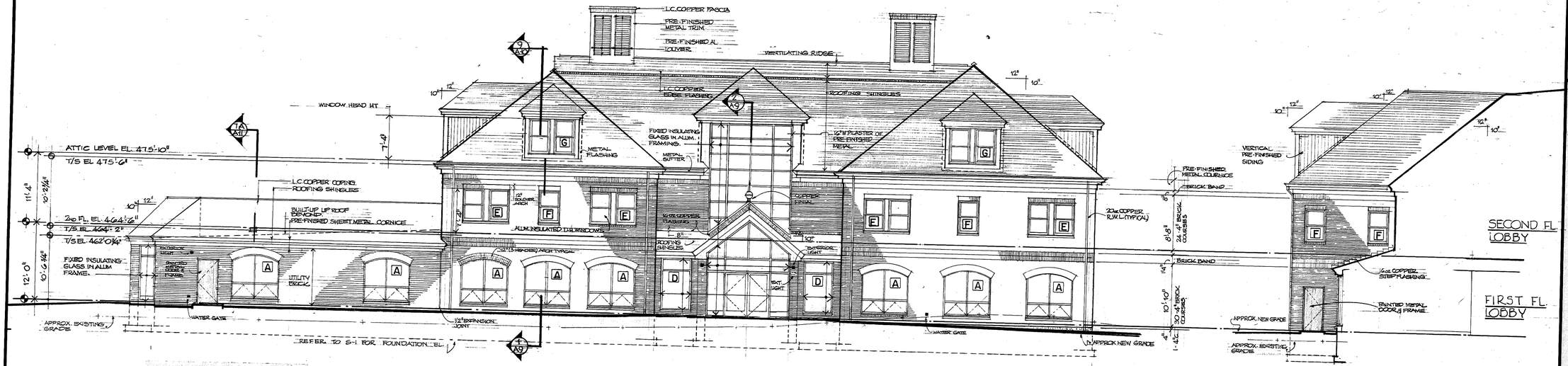
REFLECTIVE CEILING PLAN
SECOND FLOOR

PROJECT NO.
8604

SCALE: 1/8" = 1'-0"
DRAWN BY: F.S.M.
CHECKED BY: F.S.M.
DATE: AUGUST 1,1988

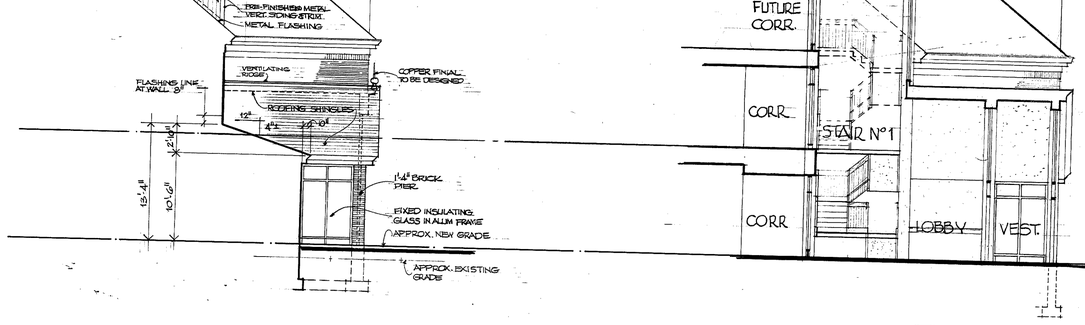
A-5

130457



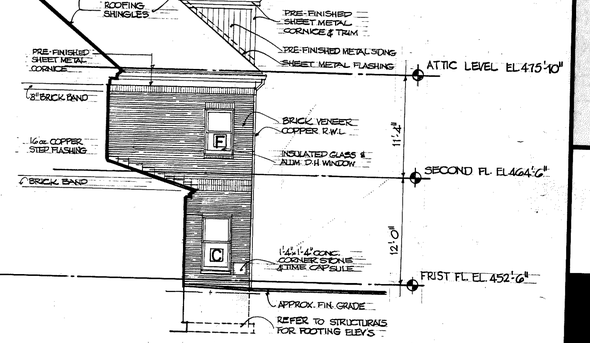
SOUTH ELEVATION

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



EAST ELEVATION

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



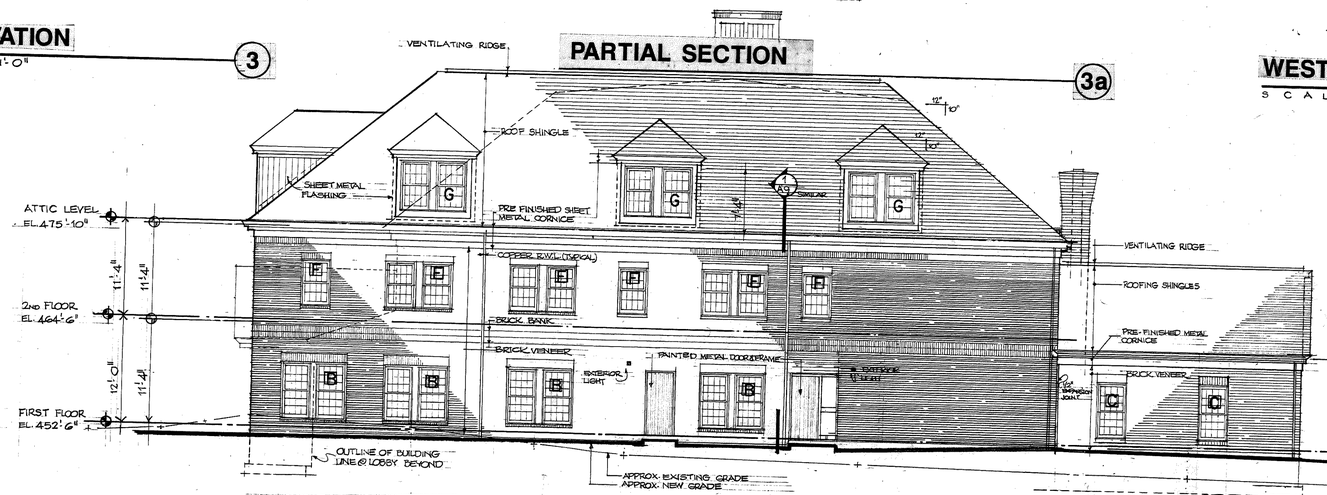
WEST ELEVATION

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

3

PARTIAL SECTION

3a



EAST ELEVATION

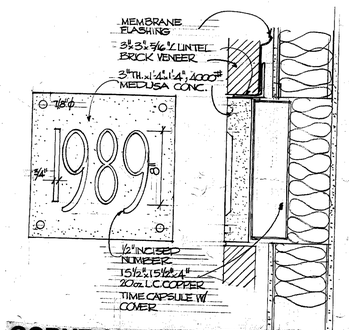
SCALE : 1/8" = 1'-0"

5

WEST ELEVATION

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

4



CORNER STONE DETAIL

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

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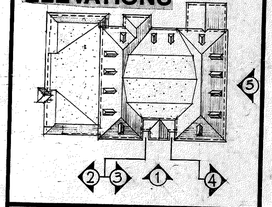
EXTERIOR ELEVATIONS



PROJECT NO. 8604

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

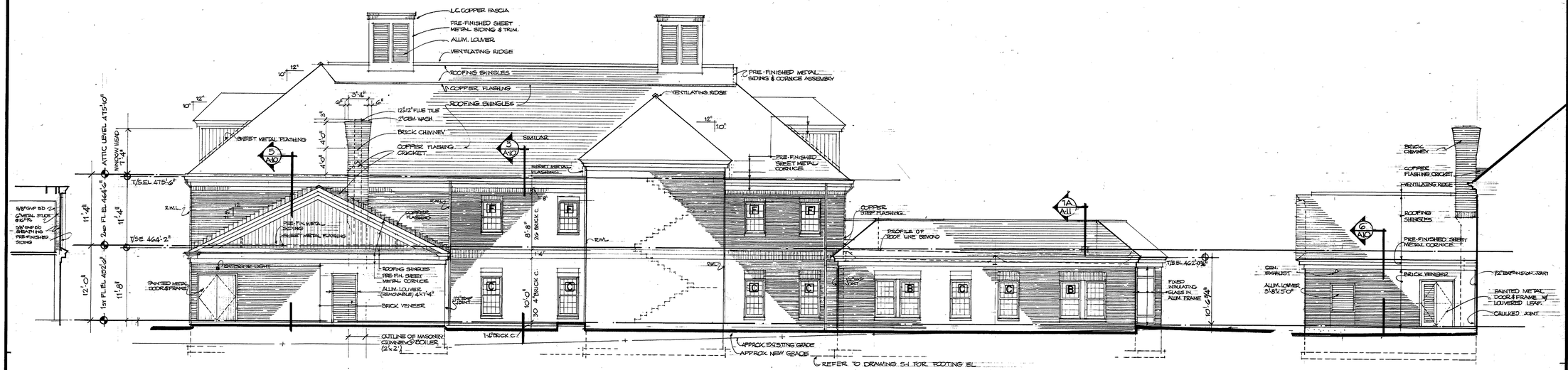
DRAWN BY : F.M.

CHECKED BY : F.S.M.

DATE : AUGUST 1, 1988

A-6

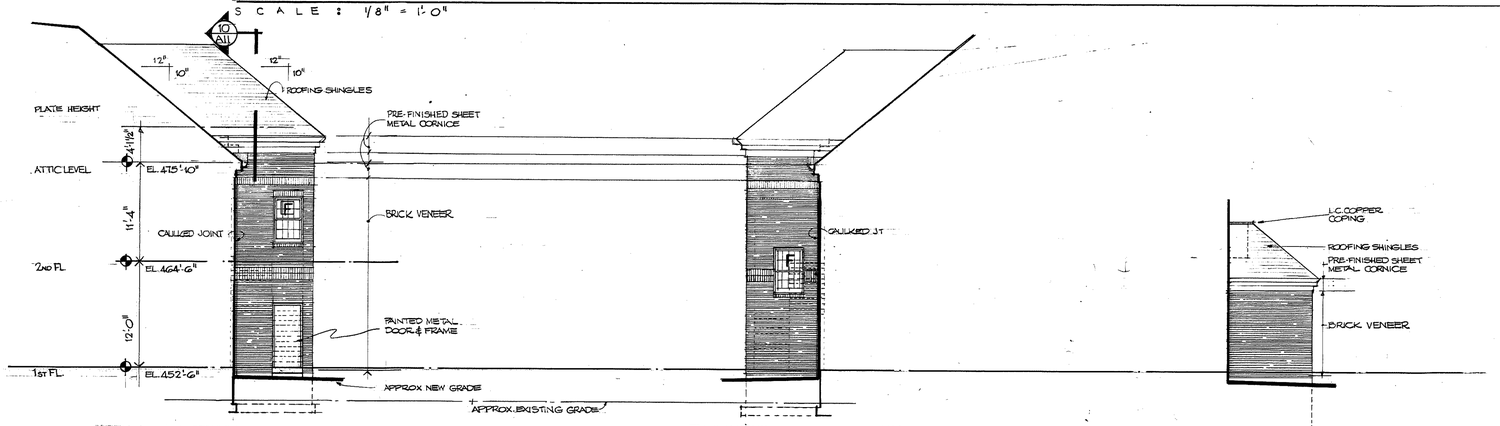
130457



NORTH ELEVATION

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

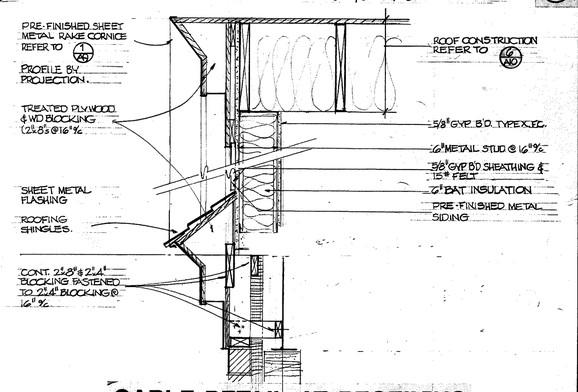
6



WEST ELEVATION

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

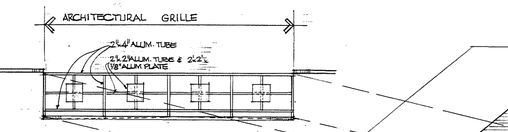
7



EAST ELEVATION

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

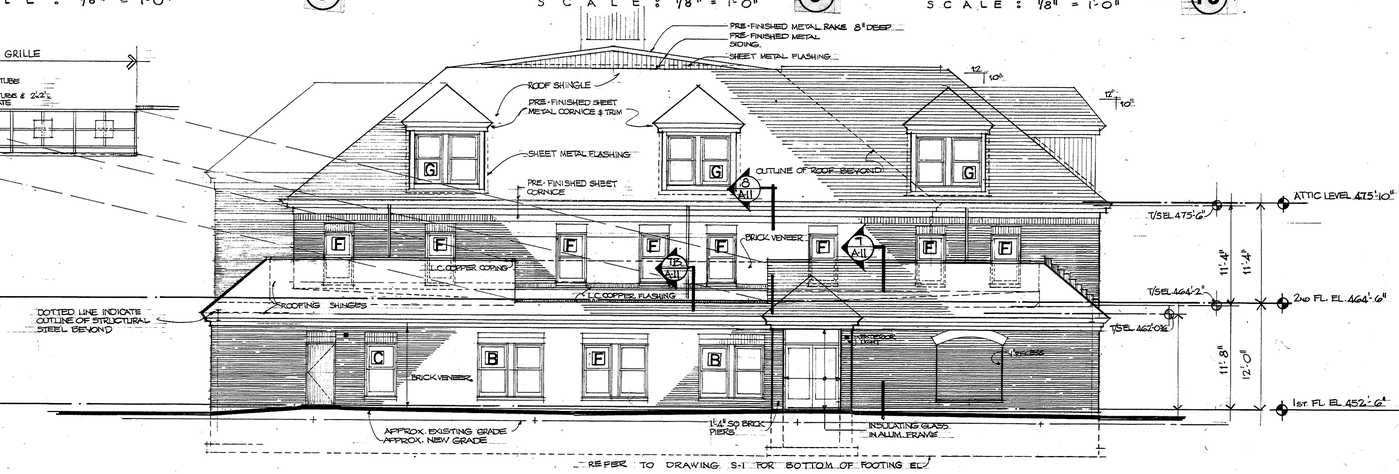
8



WEST ELEVATION

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

9



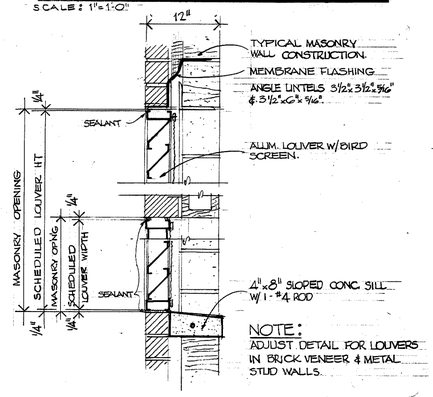
EAST ELEVATION

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

10

GABLE DETAIL AT RECEIVING

SCALE : 1"=1'-0"



TYPICAL LOUVER DETAIL

SCALE : 1"=1'-0"

WEST ELEVATION

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

11

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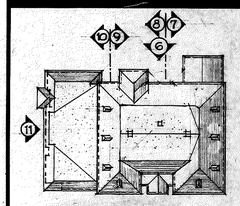


EXTERIOR ELEVATIONS

PROJECT NO. 8604

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

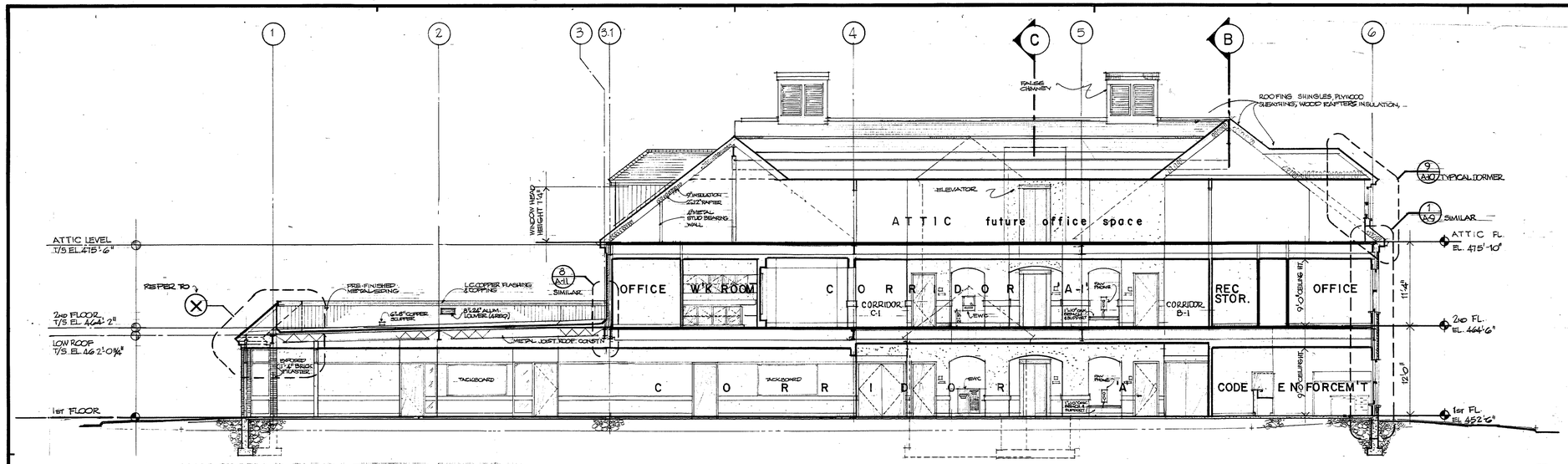
DRAWN BY: F.M.

CHECKED BY: F.S.M.

DATE: AUGUST 1, 1988

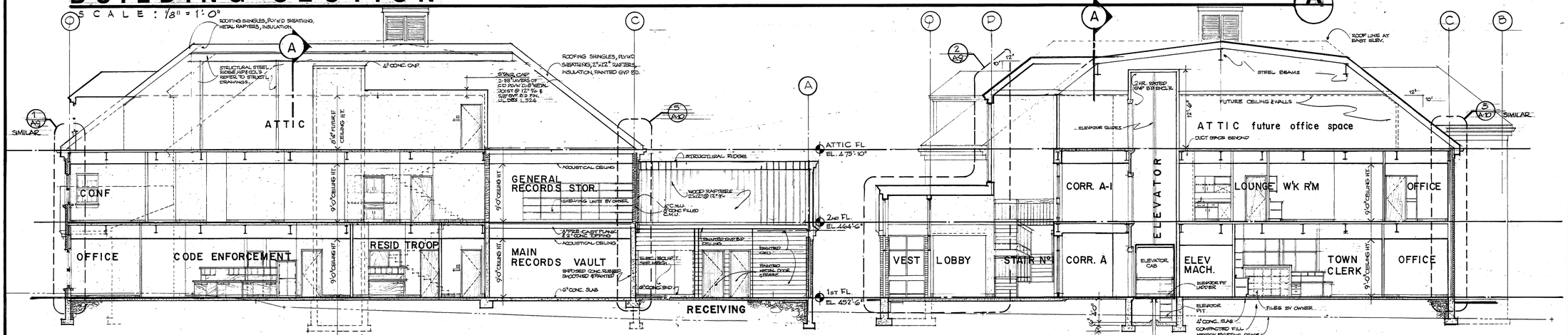
A

130487



BUILDING SECTION

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



BUILDING SECTION

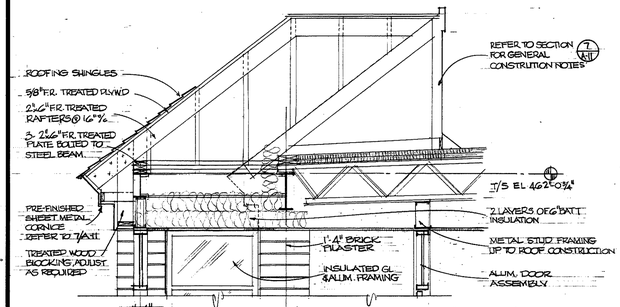
SCALE: 1/8" = 1'-0"

B

BUILDING SECTION

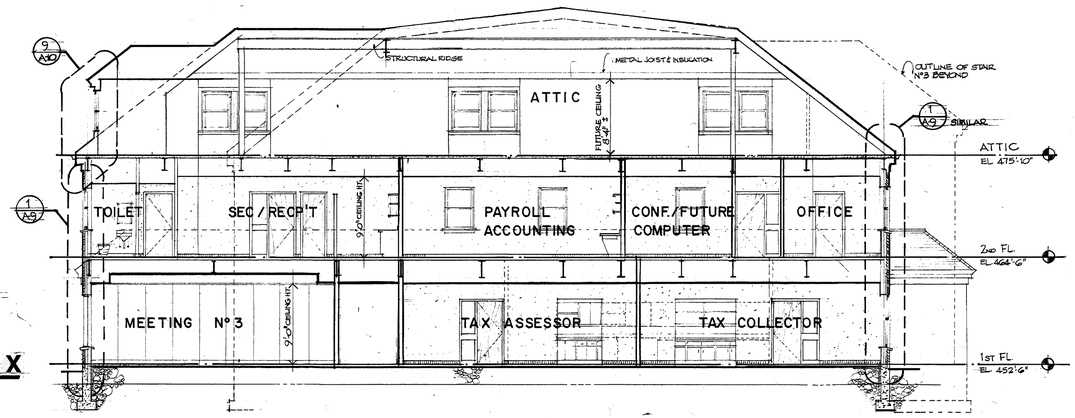
SCALE: 1/8" = 1'-0"

C



ENTRY DETAIL X

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



BUILDING SECTION

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

D

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BUILDING SECTION

PROJECT NO. 8604

SCALE: 1/8"=1'-0"
DRAWN BY: F.S.M.
CHECKED BY: F.S.M.
DATE: AUGUST 1, 1988

A-8

130487

NOTE: REFER TO ALT #1

ROOFING SHINGLES
ROOFING FELT
5/8" FIRE RETARDED TREATED PLYWOOD SHEATHING
2"x12" FIRE RETARDED TREATED RAFTERS @ 16"%
BAFFEL STOP 4'-0" L. STYROFOAM, PRE-FORMED
9" BATT INSULATION.
DOUBLE 2"x6" F.T. WOOD PLATE W/ANCHOR BOLTS @ 4'-0"%
4" CONC. & METAL DECK. REFER TO STRUCT.
STEEL BEAM. SEE STRUCT.
F.T. WOOD BLOCKING
2"x4" CONT. F.T. WOOD BLOCKING BOLTED TO BEAM.
OUTLINE OF BEAM @ OTHER LOCATIONS
DEFLECTION TRACK
ACOUSTICAL CEILING SYSTEM.

FIN. ATTIC FL. EL. 475'-10"
T/S EL. 475'-6"
SPACE 2'MIN.
1'-6"
1'-0"
6"
8"
12"
SOLDIER COURSE WINDOW
11'-4" FL. TO FL.
10'-0" ±

WINDOW UNIT
WINDOW UNIT
E F
3'-4" x 5'-0" DOUBLE HUNG
3'-4" x 5'-0" DOUBLE HUNG
3/4" 8" 3/4"
10" OVERHANG
9"
BRICK SILL
5'-0" ± WINDOW UNIT

REFER BELOW FOR TYPICAL WALL CONSTRN NOTES:

4" CONC. SLAB & METAL DECK. REFER STRUCT'LS
STEEL BEAM.
OUTLINE OF BEAM @ OTHER LOCATIONS. (1A A11)
DEFLECTION TRACK
2" RIGID INSULATION
LIGHT FIXTURE ACOUSTICAL CEILING SYSTEM
5/8" GYP B'D CEILING & FASCIA
RADIUS METAL SIDE
2 LAYERS 3/4" PLYWD

FIN. 2nd FL. EL. 464'-6"
T/S EL. 464'-2"
11'-4"
1'-4" 2.2
(22. 4" BRICK COURSE)
1'-4" BRICK BAND
2'-8" SOL
12" ARCH
3 COURSE HEADERS
8" RISE
SPRING LINE
12'-0" FL TO FL.
11'-4" (22. 4" BRICK COURSES)
FIN. 1st FL. EL. 452'-6"
6'-0" WINDOW UNIT
1'-4"
12" FACE OF STUD TO FACE OF BRICK
9'-0" CEILING LINE
1½" RED OAK SILL
WOOD BLOCKING
5/8" GYP. B'D
6" METAL STUDS @ 16"%
6" FIBERGLASS INSULATION
5/8" EXT. GYP BD SHEATHING
6" VINYL BASE
4"
5 1/2"
3/8" ø WEEP HOLES @ 32" % HORIZONTALLY
APPROX. FIN. GRADE
4" CONC. SLAB
6 MIL VAPOR BARRIER
½" PRE-MOLDED FILLER
2" RIGID INSULATION.
COMPACTED FILL
CONC. FOUNDATION (REFER TO STRUCT'LS)
COMPACTED FILL
FOOTING DRAIN 4"ø

SECTION
SCALE: 1" = 1'-0"

1 / A-9

PRE-FINISHED SHEET METAL DRIP EDGE
PRE-FINISHED SHEET METAL FASCIA
¾" TREATED PLYWOOD SUB-FASCIA & FREEZE
PRE-FINISHED SHEET METAL VENTILATING SOFFIT
PRE-FINISHED SHEET METAL FREEZE
2"x12" F.R. TREATED CORNICE BLOCKING FASTENED TO RAFTER @16"%
2"x4" LOOKOUT F.R. TREATED BLOCKING @16"%
CONTINUOUS 2"x4" F.R. TREATED W'D BLOCKING TAG TO STEEL BEAM W/ ⅜"ø x 2" GALV. LAGS @32"%
CONTINUOUS 2"x4" F.R. TREATED WOOD BLOCKING
2'-2" 1'-0" 6" 8"
¾" 8" ¾" 10"

TYPICAL CORNICE DETAIL
SCALE: 1" = 1'-0"

ROOFING SHINGLES
5/8" F.R. TREATED PLYWOOD
2"x12" F.T. RAFTERS @ 16"%
9" BATT INSULATION
SHEET METAL DRIP EDGE
PRE-FINISHED SHEET METAL CORNICE
5/8" TREATED PLYWD BACKER
5/8" GYP B'D
12" METAL JOIST & BLOCKING
TREATED WD BLOCKING
PAINTED GYP B'D
4" METAL STUDS @ 16"%
5/8" GYPSUM BOARD
4" ALUM. FRAMING & GLASS ASSEMBLY
NORMAL FACE OF INTERIOR WALL
OUTLINE OF ROOF BEYOND
1'-4" SOLID BRICK PIER
4" ALUM. TUBE & INSULATING GLASS ENTRANCE (¾" INSULATING GLASS)
6" 1"
1'-4" 1'-4"

V E S T

½" PRE-MOLDED FILLER
5" CONC. WALL #4 RODS @ 12"% x 24" BA WAY
9" 4½"
8'-0" CEILING LINE
6" CONC. FOUNDATION
CONC. FOOTING
12"
2" RIGID INSULATION

SECTION
SCALE: 1" = 1'-0"

2 / A-9

ROOFING SHINGLES
GUTTER RETURN BEYOND
PRE-FINISHED SHEET METAL CORNICE
FACE OF BRICK WALL
TREATED WOOD BLOCKING
COPPER FLASHING
WOOD BLOCKING
FACE OF WALL BEYOND 9"
MATCH MARK
Z
3" 4½" 1'-4"
PIER BEYOND
5/8" GYP B'D
STRUCTURAL STEEL CHANNEL
8'-8" PLATE HEIGHT
1'-2" ABOVE ATTIC FLOOR
4"
10"
6"

PAINTED METAL STAIR SYSTEM
2ND FLOOR

S T A I R
N° 1

L O B B Y

4"x8"x1⅜" BRICK BASE
4"x8"x1⅜" PAVING BRICK & SETTING BED. (LAID W/NO MORTAR JOINTS)
4" CONC. SLAB ¢ WIRE MESH.
6 MIL VAPOR BARRIER
COMPACTED FILL
3"

5/8" F.R. TREATED PLYWD SHEATING
2"x12" F.R. TREATED WD RAFTERS @ 16"%
WOOD BLOCKING AS REQUIRED
W.G. BEAM REFER TO STRUCT.
5/8" GYP B'D FASCIA SOFFIT ASSEMBLY.
Y
SECT "Y-Y"
SCALE: 1" = 1'-0"

GYPSUM BOARD PILASTER
LANDING
10'-1½"
9'-1½"

GUTTER
ROOF RETURN & FLASHING
METAL SIDING
5/8" TREATED PLYWD
4" METAL STUDS
INSULATION
5/8" GYP B'D.
1'-4"
OUTLINE OF OVERHANG ABOVE
3" 4½" 8½"
1'-4"

SECTION "Z"

ROOFING SHINGLES
FELT PAPER
5/8" F.R. TREATED PLYWOOD SHEATHING
2"x8" F.R. TREATED RAFTERS @ 16"%
6" FIBERGLASS BLANKET INSULATION.
INSULATION BAFFLE
SHEET METAL DRIP EDGE
PRE-FINISHED SHEET METAL CORNICE
5/8" PLYWD BACKER
PRE-FINISH SHEET METAL VENTILATING SOFFIT
PRE-FINISHED SHEET METAL FREEZE
6" METAL JOIST @16"%
5/8" GYP B'D WALL & CEILING.
LINE OF SOFFIT & PILASTER BEYOND
ALUM. & INSULATING GLASS WINDOWALL ASSEMBLY.
MATCH MARK
STEEL FRAME
12" 10" 6" 4" 1" 3" 4½" 4½"
FACE OF BRICK WALL BELOW
COPPER FLASHING
12" 10"

ROOFING SHINGLES
INSULATION BAFFLE
5/8" F.R. TREATED PLYWD
2"x12" F.R. TREATED RAFTERS @ 16"%
SHEET METAL DRIP EDGE
9" BATT INSULATION
5/8" GYP B'D
METAL JOINT CONTROL
F.R. TREATED WD BLOCKING
12"
T/STEEL EL. 462'-9"
10" 9" 4"
PRE-FINISHED SHEET METAL CORNICE
PRE-FINISHED SHEET METAL VENTILATING SOFFIT
ALUM. FRAMING & INSULATED GLASS SYSTEM.
BRICK PIER BEYOND
W.G. x BEAM
4" 1'-4" 2"

SECT "X-X"
SCALE: 1" = 1'-0"

V E S T

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER
NORWICH AVE.
COLCHESTER, CONNECTICUT

Peter Abel Inc.
Architects/Planners
P.O. Box 210
21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

WALL SECTIONS

PROJECT NO. 8604
SCALE: 1" = 1'-0"
DRAWN BY: F.S.M.
CHECKED BY: F.S.M.
DATE: AUGUST 1, 1988

A-9

130457

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER
NORWICH AVE.
COLCHESTER, CONNECTICUT

Peter Abel Inc.
Architects/Planners
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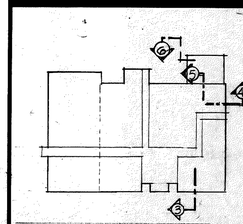
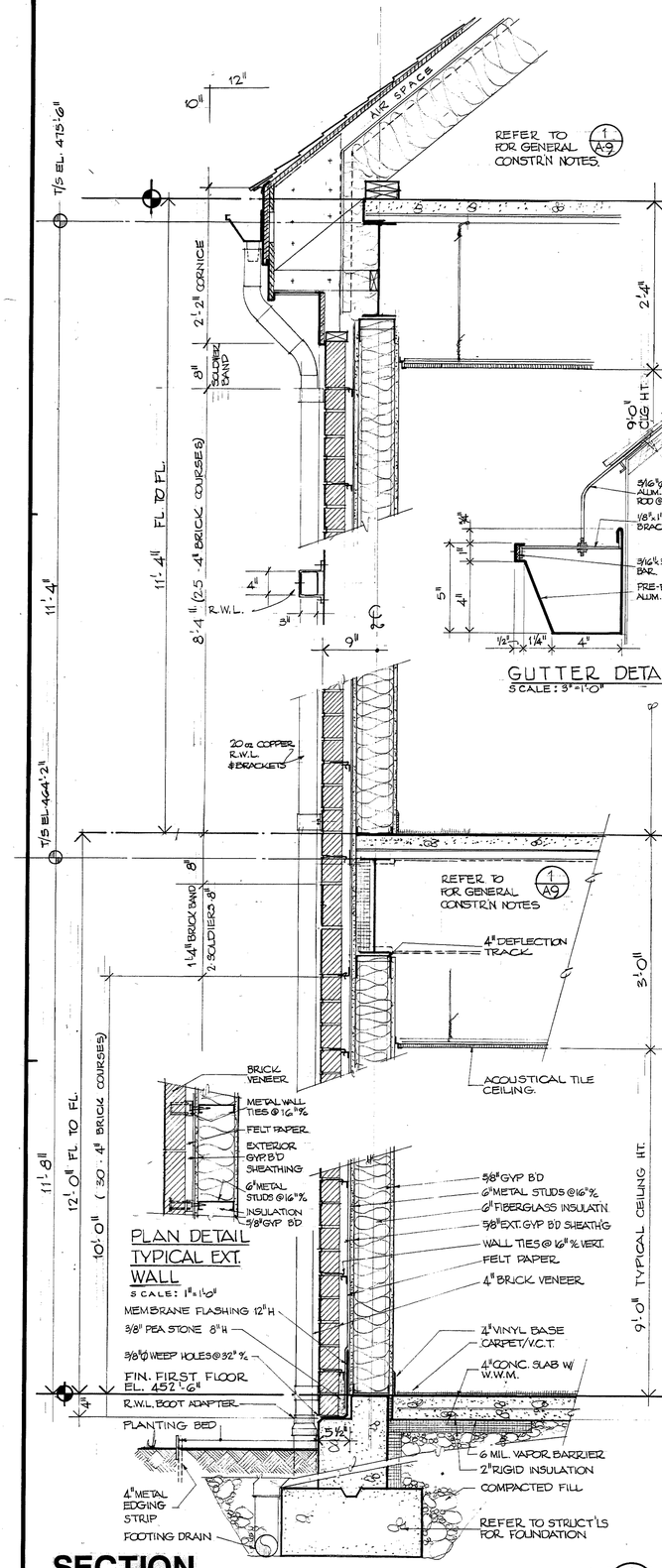
21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511



WALL SECTIONS

PROJECT NO. 8604
SCALE: 1"=1'-0"
DRAWN BY: F.S.M.
CHECKED BY: F.S.M.
DATE: AUGUST 1, 1988

A-10



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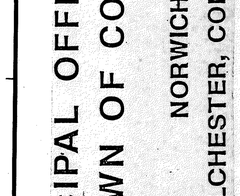
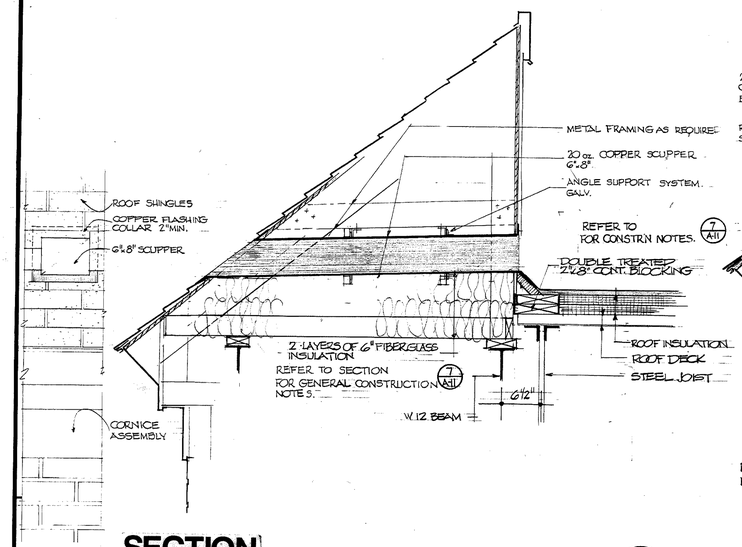


WALL SECTIONS

PROJECT NO.
8604

SCALE: 1"=1'-0"
DRAWN BY: F.S.M.
CHECKED BY: F.S.M.
DATE: AUGUST 1,1988

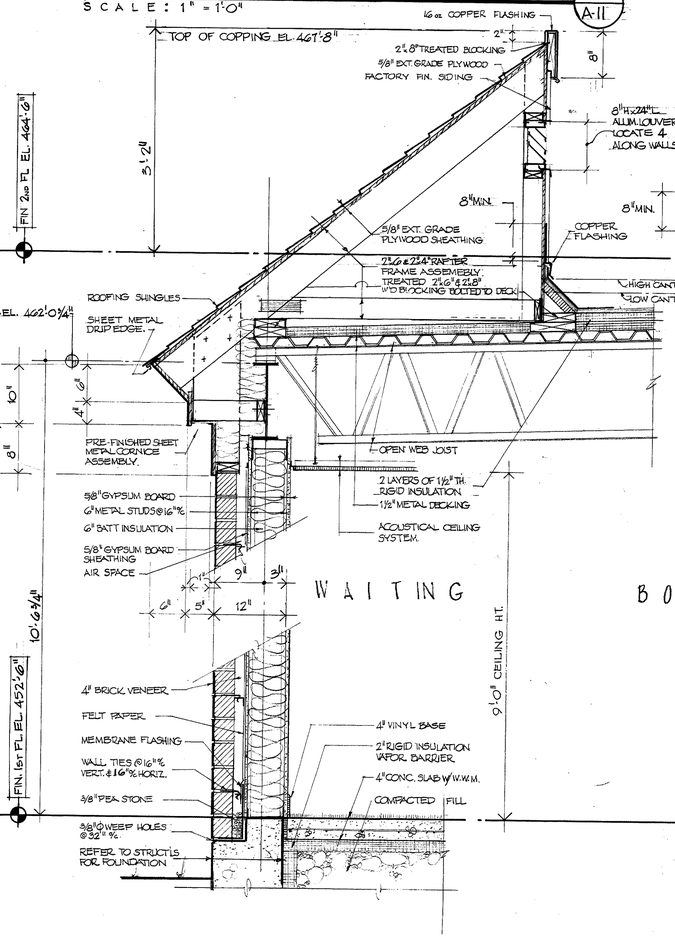
A-11



SECTION

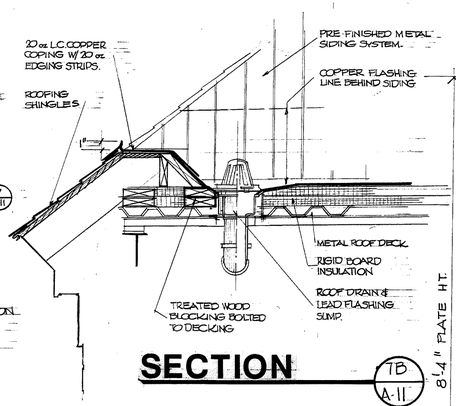
SCALE: 1" = 1'-0"

7A / A-11



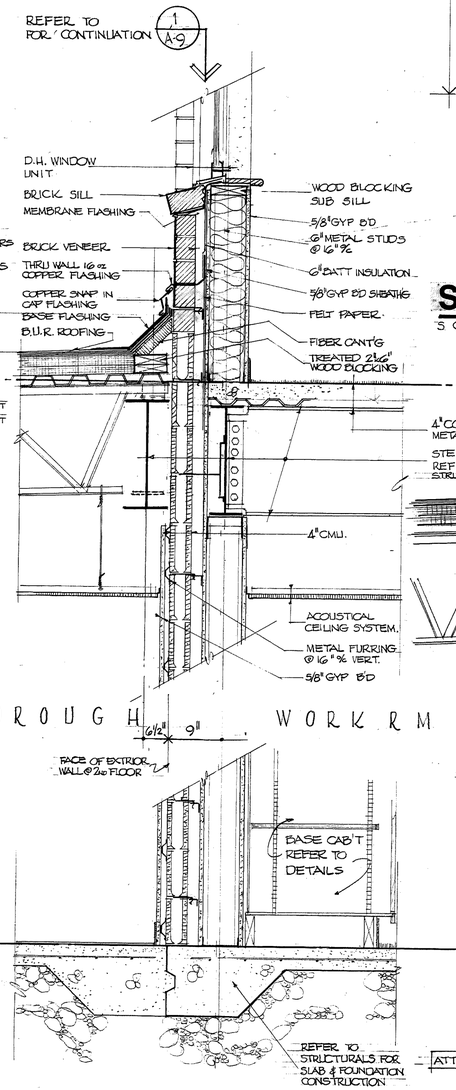
SECTION

7 / A-11



SECTION

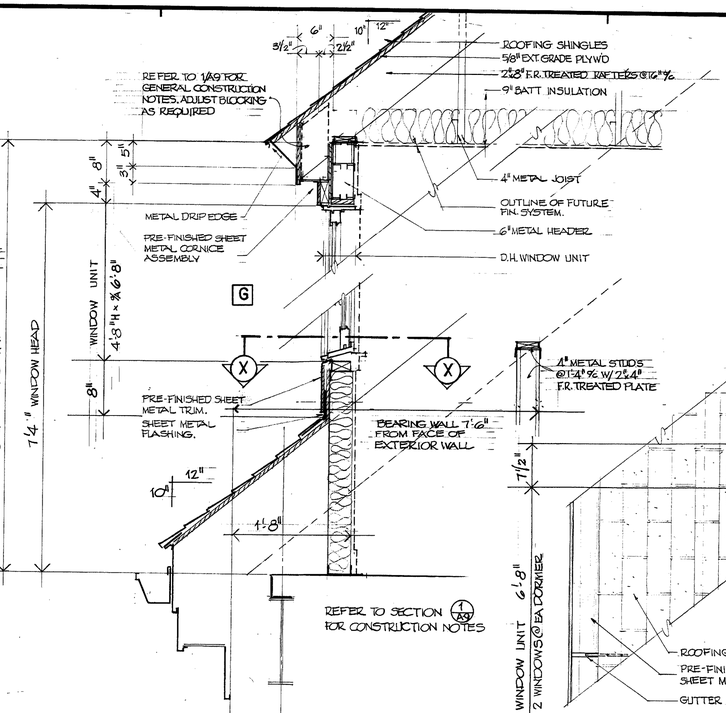
7B / A-11

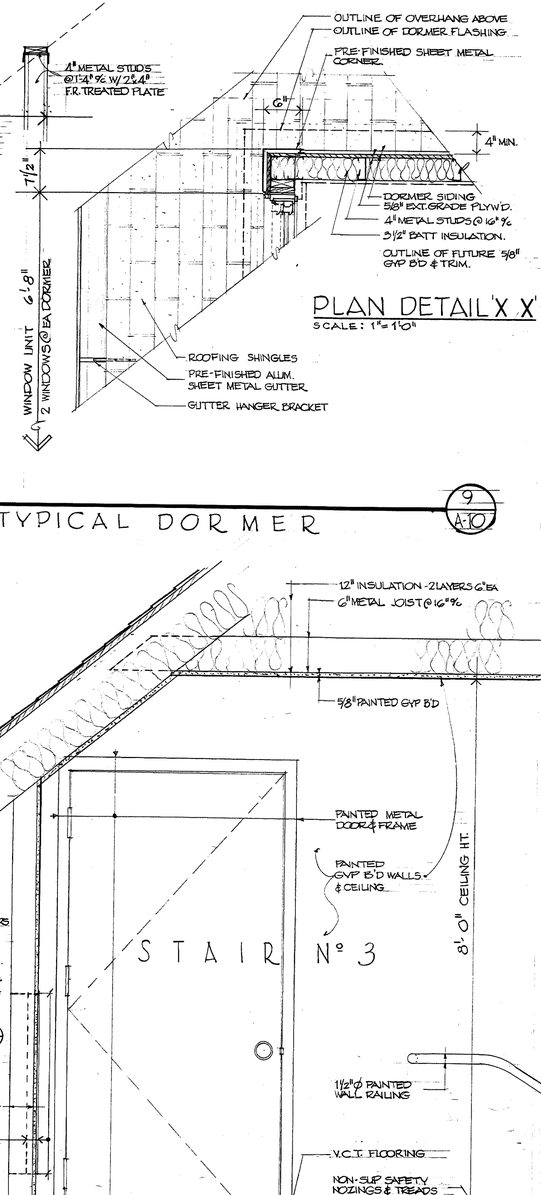


SECTION

SCALE: 1" = 1'-0"

8 / A-11



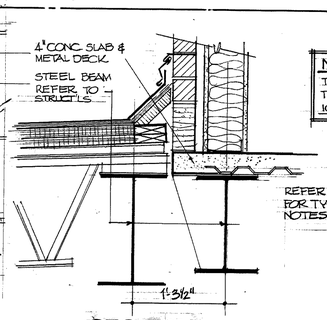


PLAN DETAIL 'X X'

SCALE: 1"=1'-0"

SECTION THRU TYPICAL DORMER

9 / A-10

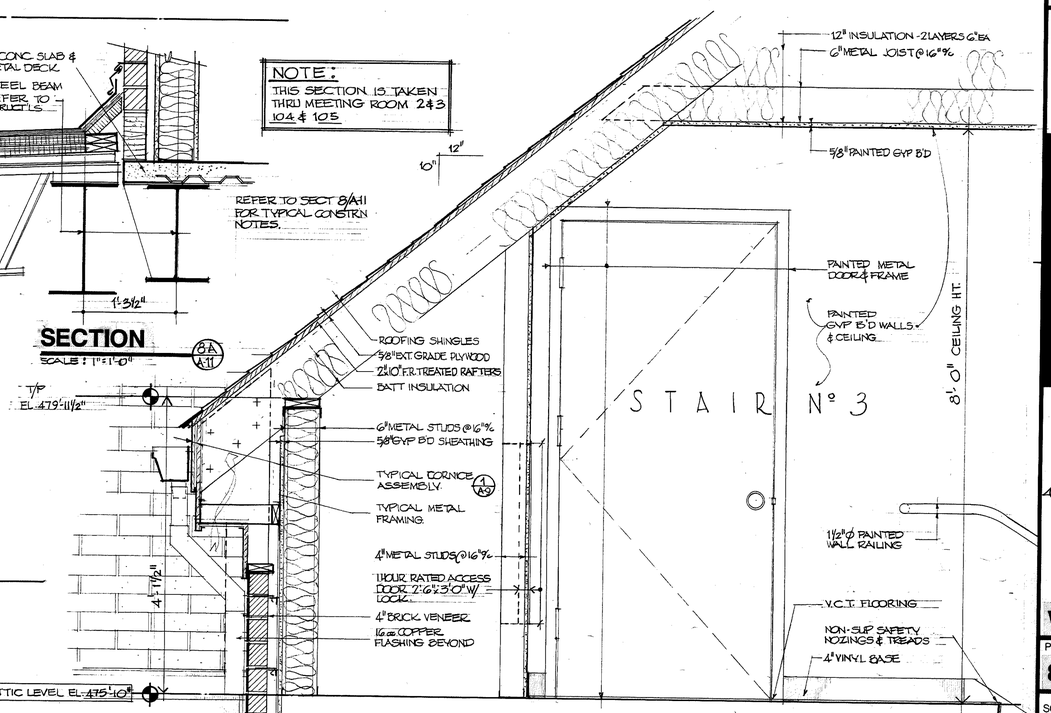


NOTE:
THIS SECTION IS TAKEN THRU MEETING ROOM 243 104 & 105

SECTION

SCALE: 1" = 1'-0"

8A / A-11



SECTION

SCALE: 1" = 1'-0"

10 / A-11

100457

MUNICIPAL OFFICE COMPLEX
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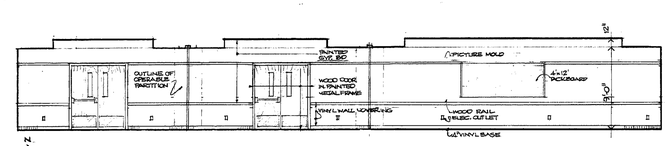

1 GENERAL MEETING ROOM 105
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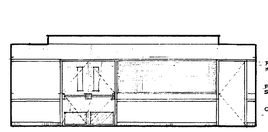

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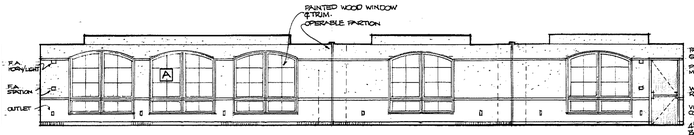

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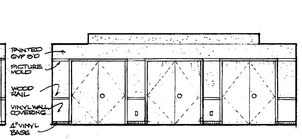

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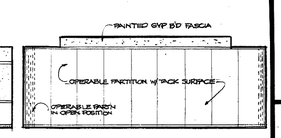

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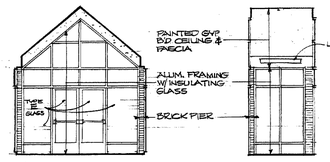
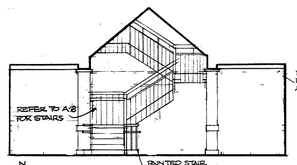


2 VEST 101
SCALE: 1/8"=1'-0"

W 2 VEST 101



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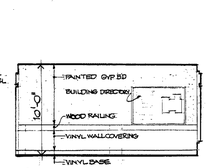

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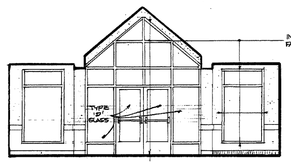

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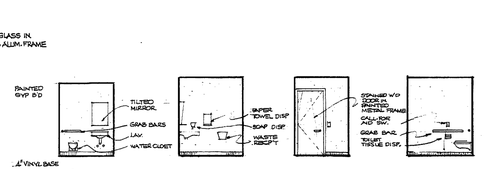
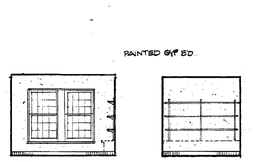
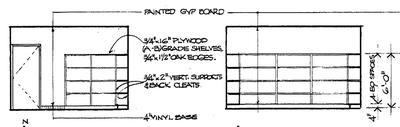


4 TOLET 117
SCALE: 1/8"=1'-0"



5 118



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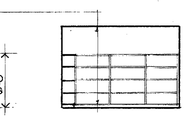
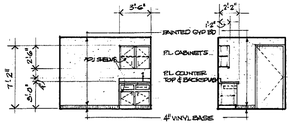


E 6 STOR 120

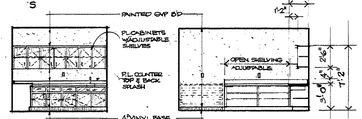
6 STOR 120



7 EXAM 122
SCALE: 1/8"=1'-0"

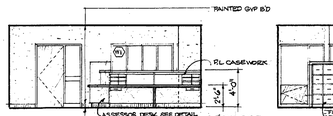
W 7 EXAM 122

125 SIMILAR



8 W'K RM 129A
SCALE: 1/8"=1'-0"

W 8 W'K RM 129A



9 ASSESSOR 129
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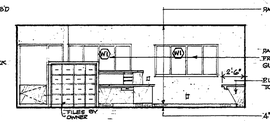

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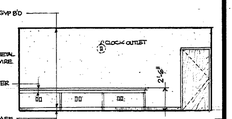
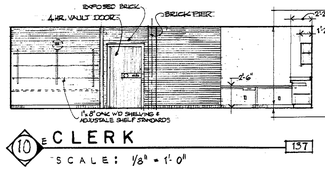
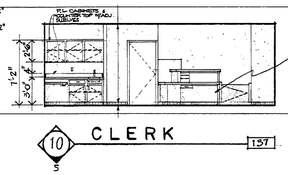


9 ASSESSOR 129

152 COLLECTOR'S SIMILAR.



10 CLERK 137
SCALE: 1/8"=1'-0"



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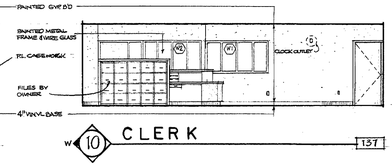

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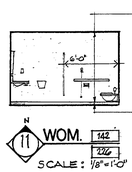

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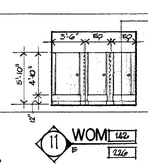

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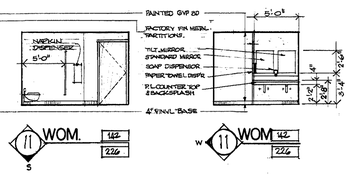
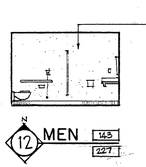


11 WOM. 142 226

W 11 WOM. 142 226



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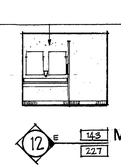

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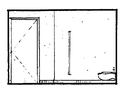

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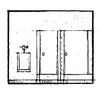

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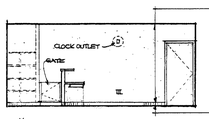
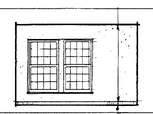


13 TROORER 148



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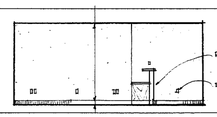
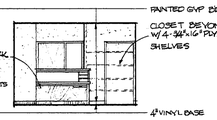
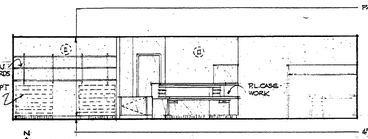


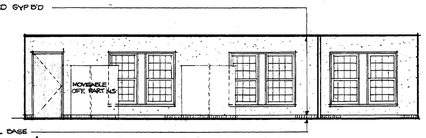
13 TROOPER 148



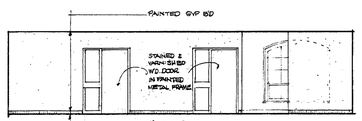
S 13 TROOP'R 148



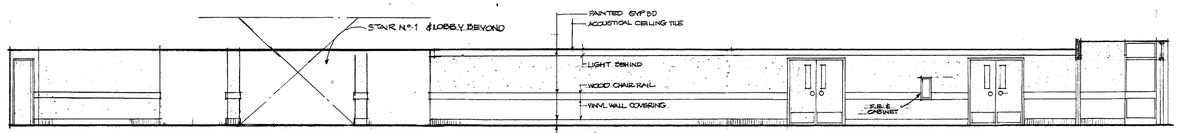
14 CODE ENFORCEMENT 150



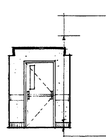
E 14 CODE ENFORCEMENT 150



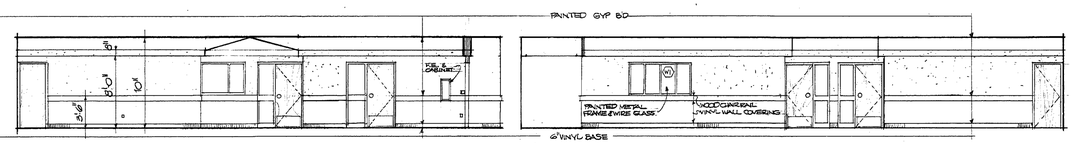
14 CODE ENFORCEMENT 150



15 CORRIDOR 'A' 135
SCALE: 1/8"=1'-0"

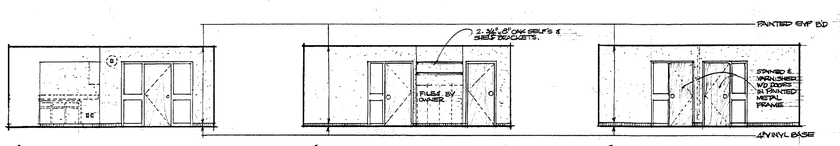


16 CORR'G' 128



E 16 CORRIDOR 'C' 128
SCALE: 1/8"=1'-0"

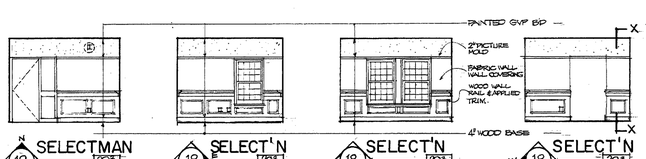
W 16 CORRIDOR 'C' 128



17 TOWN ADMIN 202
SCALE: 1/8"=1'-0"

17 TOWN ADMIN 202

17 TOWN ADMIN 202

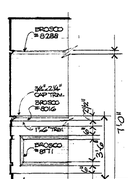


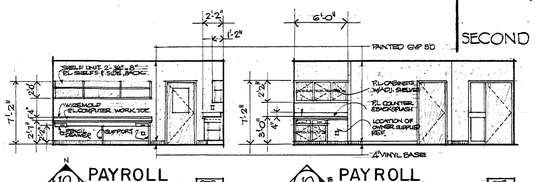
18 SELECTMAN 205
SCALE: 1/8"=1'-0"

18 SELECT'N 205

18 SELECT'N 205

W 18 SELECT'N 205

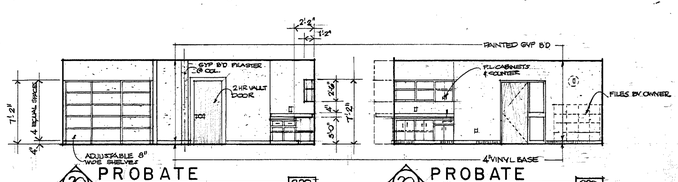




19 PAYROLL 209
SCALE: 1/8"=1'-0"

19 PAYROLL 209

SECOND FLOOR



20 PROBATE 220

20 PROBATE 220

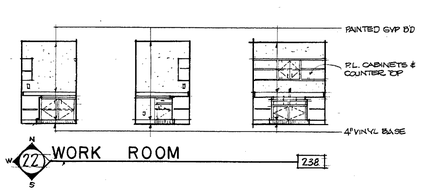
Peter Abel Inc.
Architects/Planners
P.O. Box 210
21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

INTERIOR ELEVATIONS

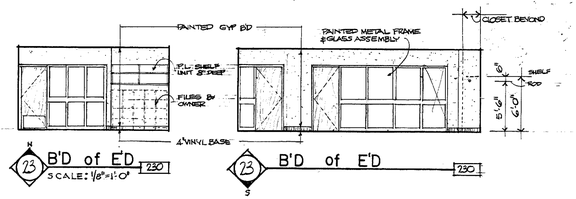
PROJECT NO. 8604
SCALE: 1/8"=1'-0"
DRAWN BY: FSM
CHECKED BY: FSM
DATE: AUGUST 1, 1988

A-12

132457

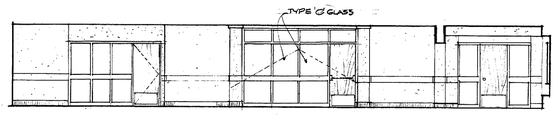


22 WORK ROOM 238

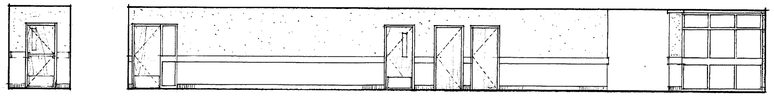


23 B'D of E'D
SCALE: 1/8"=1'-0" 230

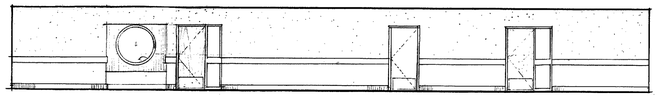
23 B'D of E'D 230



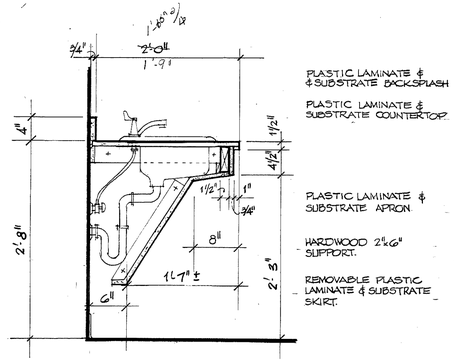
24 C O R R I D O R A-2
SCALE: 1/8"=1'-0" 201



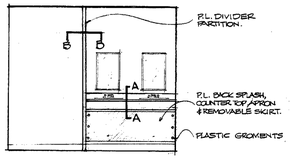
25 C O R R I D O R C-2
SCALE: 1/8"=1'-0" 217

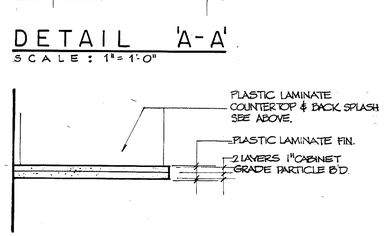


25 C O R R I D O R C-2 217

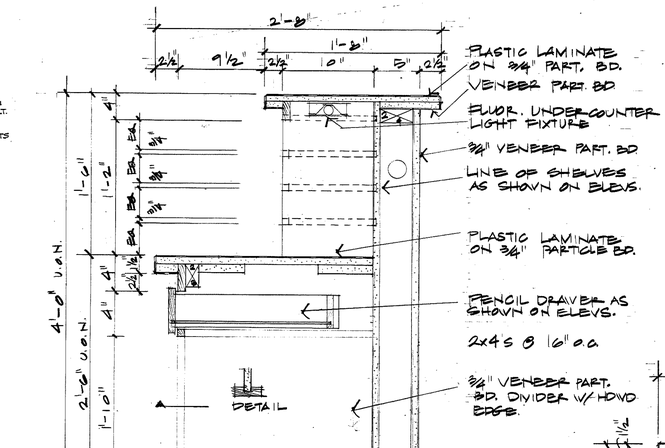


DETAIL 'A-A'
SCALE: 1"=1'-0"

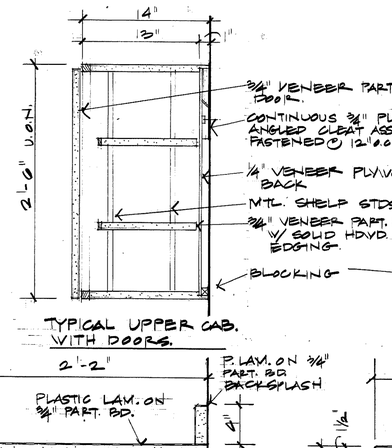




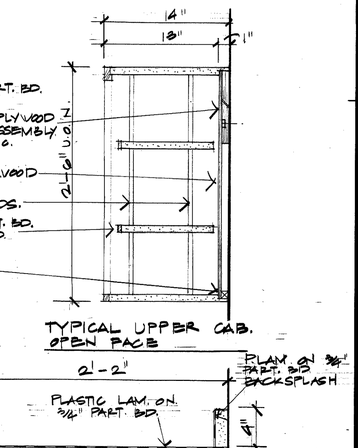
DETAIL 'B-B'
SCALE: 1" 1'-0"



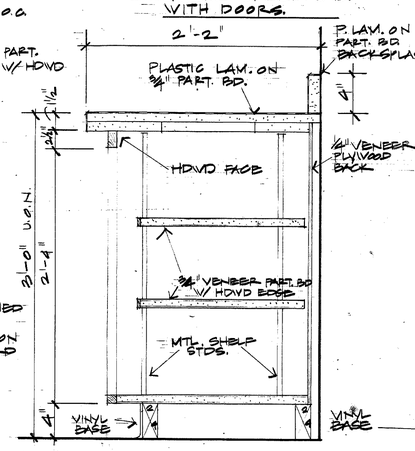
TYPICAL RECEPTION COUNTER
SCALE: 1½" = 1'-0"



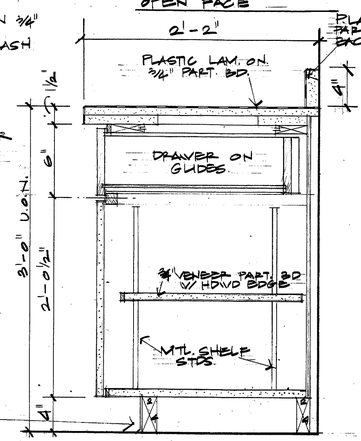
TYPICAL UPPER CAB. WITH DOORS.



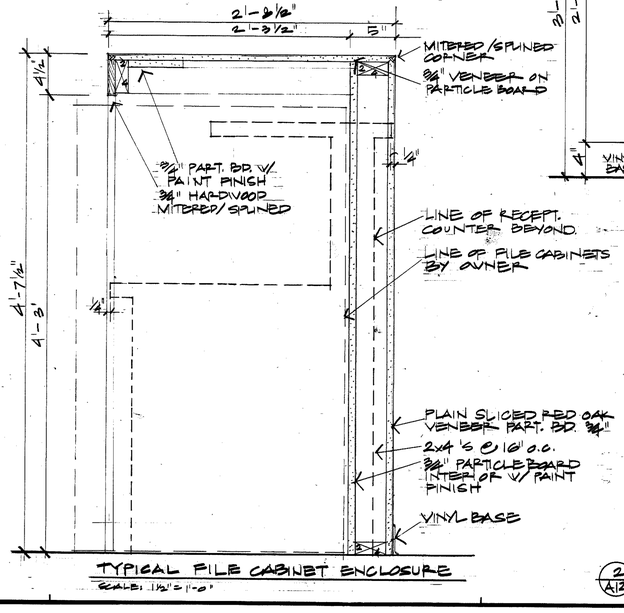
TYPICAL UPPER CAB. OPEN FACE



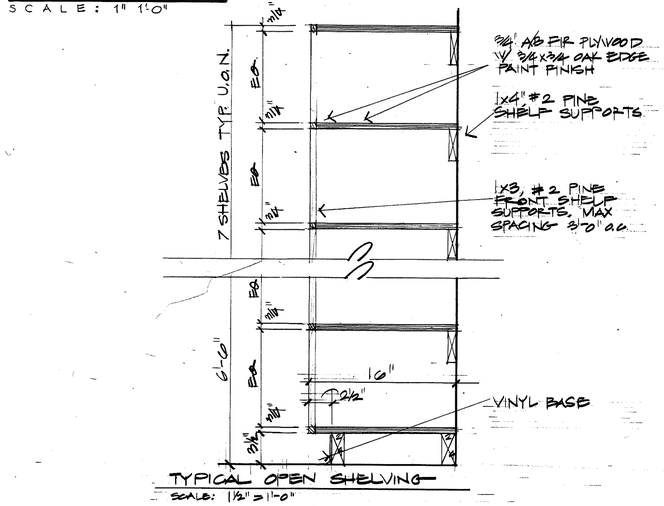
TYPICAL LOWER CAB. OPEN FACE
SCALE: 1½" = 1'-0"



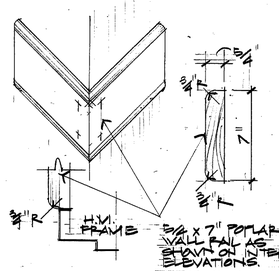
TYPICAL LOWER CAB. WITH DOORS
SCALE: 1½" = 1'-0"



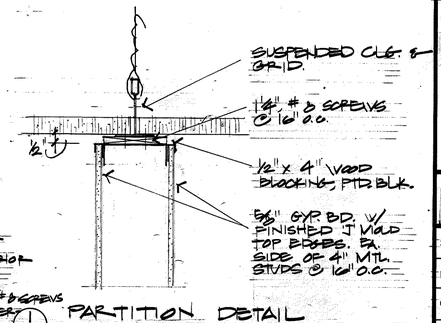
TYPICAL FILE CABINET ENCLOSURE
SCALE: 1½" = 1'-0"



TYPICAL OPEN SHELVING
SCALE: 1½" = 1'-0"



2/A12 WOOD RAIL DETAIL N.T.S.



1/A12 PARTITION DETAIL N.T.S.

Peter Abel Inc.
Architects/Planners
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Marlborough, Connecticut 06447-0210
(203) 295-9511

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER
NORWICH AVE.
COLCHESTER, CONNECTICUT

INTERIOR ELEVATIONS & CASEWORK DETAILS

PROJECT NO. 8604
SCALE: SHOWN
DRAWN BY: PM/WB.
CHECKED BY: PM.
DATE: AUGUST 1, 1988

A-13

130457

DOOR AND HARDWARE SCHEDULE

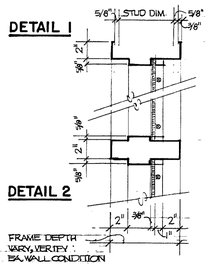
ASSEMBLY NUMBER	DOOR NOMINAL DIMENSION WIDTH	DOOR HEIGHT	DOOR LEAVES	DOOR THICKNESS	DOOR MATERIAL	DOOR UNDERCUT	FRAME TYPE	FRAME FINISH	FRAME MATERIAL	FRAME GAUGE	DETAILS TYPE	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	FIRE RATING	ASSEMBLY LOCATION	ASSEMBLY GLAZING	NOTE(S)
101 A	3'0"	7'2"	2	1¾"	AL.		A		AL.	1				TH-2			D	REFER TO UNGE D.O
101 B	3'0"	7'2"	2	1¾"	AL.		A		AL.	1				TH-2			D	
102 A	3'0"	7'2"	2	1¾"	WD.		B	NFW	H.M.	16	2	P'TM	A'	A	TH-1	20 MIN	B	
103 A	3'0"	7'2"	2	1¾"	AL.		A		AL.	3		B	C	TH-2			D	
103 B	3'0"	7'2"	2	1¾"	AL.		A		AL.	2	P'TM	D'	D	TH-2			D	
103 C	3'0"	7'2"	2	1¾"	W.D.		B	NFW	H.M.	16	2	P'TM	A'	A	TH-2	20 MIN	B	
103 D	3'0"	7'2"	2	1¾"	W.D		B	NFW	H.M.	16	2	P'TM	A'	A	TH-2		B	
104 A	3'0"	7'2"	1	1¾"	I.M.		C	P'TM	H.M.	16	3	P'TM	E	F	TH-3		B	
105 A	3'0"	7'2"	2	1¾"	WD		B	NFW	H.M.	16	2	P'TM	A'	A	TH 3		-	
106 A	3'0"	7'2"	2	1¾"	WD		B	NFW	H.M	16	2	P'TM	A'	A	TH 4		B	
106 B	3'0"	7'2"	1	1¾"	I.M.		C	P'TM	H.M.	16	3	P'TM	E	F	TH-4		-	
107 A	3'0"	7'2"	2	1¾"	WD.		D	N.F.W.	H.M.	16	2	P'TM	G'	G	TH-2		-	
108 A	3'0"	7'2"	2	1¾"	WD		D	N.F.W.	H.M.	16	2	P'TM	G'	G	TH-2			
109 A	3'0"	7'2"	2	1¾"	W.D.		D	N.F.W	H.M.	16	2	P'TM	G'	G	TH-2			
110 A	3'0"	7'2"	1	1¾"	H.M.		C	P'TM	H.M.	16	3	P'TM	G'	G	TH-2			
111 A	3'0"	7'2"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	A'	A	TH-2		B	
112 A	3'0"	7'0"	1	1¾"	W.D		C	NFW	H.M.	16	3	P'TM	G'	G	-		B	
112 B	2'6"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	3	P'TM	G'	G				
113 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	G'	G			A	
114 A	3'0"	7'0"	1	1¾"	WD		C	NFW	H.M	16	4	P'TM	G'	G			B	
115 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	G'	G			B	
116 A	3'0"	7'2"	1	1¾"	I.M.		C	P'TM.	H.M.	16	3	P'TM	E	F	TH-3			
116 B	3'6"	7'0"	GYPSUM BOARD OPENING															
117 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	3	P'TM	G'	G	TH-2			
118 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	G'	G	TH-2		B	
119 A	3'0"	7'0"	1	1¾"	W.D.		E	NFW	H.M.	16	3	P'TM	G'	G			B	
120 A	3'0"	7'0"	1	1¾"	H.M.		C	P'TM	H.M.	16	3	P'TM	G'	G	TH-2	¾ HR.	C	
122 A	3'0"	7'0"	1	1¾"	W.D.		C	P'TM	H.M	16	3	P'TM	G'	G		20 MIN.		
123 A	3'0"	7'0"	1	1¾"	W.D.		C	P'TM	H.M.	16	3	P'TM	G'	G				
124 A	3'0"	7'2"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	A'	A	TH-4		B	
129 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	3	P'TM	A'	A	TH-4			
130 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	A'	A	TH 4		B	
131 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	G'	G			B	
133 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	A'	A	TH-4		B	
133 B	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	G'	G	TH-2		B	
135 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	G'	G	TH-4		B	
135 B	3'0"	7'2"	1	1¾"	W.D.		C	NFW	H.M.	16	3	P'TM	A'	A	TH-2			
136 A	3'0"	7'2"	1	1¾"	H.M.		E	P'TM	H.M.	16	3	P'TM	A'	A	TH-2	1 • B		
136 B	3'0"	7'2"	1	1¾"	I.M.		C	P'TM	H.M.	16	3	P'TM	E	F	TH-3	20 MIN		
137 A	3'0"	7'2"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	A'	A	TH-4	20 MIN	B	
137 B	3'0"	7'2"	1	1¾"	W.D.		C	NFW	H.M.	16	3	P'TM	A'	A	TH-2	20 MIN		
138 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	G'	G		20 MIN		
139 A	40"	78"	1	5"	STEEL		F	P'TM	STEEL	-		P'TM	-	-	-	4		
140 A	3'0"	7'0"	1	1¾"	P'TM		C	P'TM	H.M.	16	3	P'TM	G'	G	TH-2	¾ • C		
141 A	3'0"	7'2"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	A'	A	TH-4	20 MIN.		
142 A	3'0"	7'2"	1	1¾"	W.D		C	NFW	H.M.	16	3	P'TM	A'	A	TH-2	20 MIN		
143 A	3'0"	7'2"	1	1¾"	W.D		C	NFW	H.M.	16	3	P'TM	A'	A	TH-2	20 MIN		
144 A	3'0"	7'2"	1	1¾"	P'TM		C	P'TM	H.M.	16	3	P'TM	A'	A	TH-2	1½ • B		
146 A	3'0"	7'2"	1	1¾"	P'TM		C	P'TM	H.M.	16	3	P'TM	A'	A	TH-2	¾ • C		
147 A	3'0"	7'2"	1	1¾"	I.M.		C	P'TM.	H.M.	16	4	P'TM	E	F	TH-3	1 • B		
148 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	A'	A	TH-4	20 MIN.		
148 B	3'0"	7'2"	1	1¾"	W.D.		C	NFW	H.M.	16	3	P'TM	A'	A	TH-4			
149 A	2'8"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	3	P'TM	G'	G				
150 A	3'0"	7'2"	1	1¾"	W.D.		C	NFW	H.M	16	3	P'TM	A'	A	TH-4			
150 B	3'0"	7'2"	1	1¾"	I.M.		C	P'TM	H.M.	16	3	P'TM	E	F	TH-3			
151 A	2'8"	7'0"	1	1¾"	H.M.		C	P'TM	H.M.	16	3	P'TM	H-	I	TH-3	1½ • B		
152 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	G'	G		20 MIN		
153 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	G'	G		20 MIN		
154 A	GYPSUM BOARD OPENING															20 MIN.		
155 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	3	P'TM	A'	A	TH-2	1½ • B		
155 B	3'0"	7'0"	1	1¾"	H.M.		C	P'TM	H.M.	16	3	P'TM	A'	A	TH-2	1½ • B		
156 A	3'0"	7'2"	2	1¾"	H.M		D	P'TM.	H.M.	16	2	P'TM	J	K	TH-2	20 MIN		
157 A	3'0"	7'2"	1	1¾"	H.M.		C	P'TM	H.M.	16	3	P'TM	L	L'	-	¾ • C		
158 A	3'0"	7'2"	1	1¾"	H.M.		C	P'TM	H.M.	16	3	P'TM	L	L'		¾ • C		
159 A	3'0"	7'2"	1	1¾"	H.M.		C	P'TM	H.M.	16	3	P'TM	M	M'		1½ • B		
160 A	3'0"	7'2"	1	1¾"	H.M		C	P'TM	H.M	16	3	P'TM	L	L'		¾ • C.		
160 B	2'8"	7'2"	2	1¾"	H.M		D1	P'TM	H.M	16	2	P'TM	J	K	TH-2	20 MIN		
201 A	3'0"	7'0"	1	1¾	W.D.		C	NFW	H.M.	16	6	P'TM	G'	G	TH-2	1 • B		
202 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	7	P'TM	A'	A	TH-2	20 MIN		
203 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	G'	G				
204 A	2'8"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	3	P'TM	G'	G	TH-2			
205 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	3	P'TM	G'	G				
205 B	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M	16	3	P'TM	G'	G				
206 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M	16	4	P'TM	G'	G				
207 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	G'	G				
209 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	A'	A	TH-2			
210 A	3'0"	7'0"	1	1¾"	W.D		C	NFW	H.M.	16	3	P'TM	G'	G	TH-2	¾ • C		
211 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	3	P'TM	G'	G	-	20 MIN.		
211 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	3	P'TM	G'	G		20 MIN.		
212 A	3'0"	7'0"	1	1¾"	P'TM		C	P'TM	H.M.	16	3	P'TM	A'	A	TH-2	¾ • C		
213 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	A'	A	TH-2	20 MIN		
214 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	G'	G				
214 B	3'0"	7'0"	1	1¾"	W.D		C	NFW	H.M.	16	3	P'TM	G'	G				
215 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	G'	G				
216 A	2'6"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	3	P'TM	G'	G				
217 A	3'0"	7'0"	1	1¾"	H.M		C	NFW	H.M.	16	3	P'TM	A'	A	TH-2	1 • B		
218 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	4	P'TM	A'	A	TH-2			
219 A	3'0"	7'0"	1	1¾"	W.D		C	NFW	H.M.	16	3	P'TM	G'	G		20 MIN		
220 A	3'0"	7'0"	1	1¾"	W.D		C	NFW	H.M	16	4	P'TM	G'	G		20 MIN		
222 A	40"	78"	1	5	STEEL		F	P'TM	STEEL			P'TM				4 HR		
223 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	3	P'TM	A'	A	TH-2	20 MIN		
224 A	2'8"	7'0"	1	1¾"	H.M.		C	P'TM	H.M.	16	3	P'TM	A'	A'	TH-2	¾ • C		
225 A	2'8"	7'0"	1	1¾"	H.M		C	P'TM	H.M.	16	3	P'TM	A'	A	TH-2	¾ • C		
226 A	3'0"	7'0"	1	1¾"	W.D		C	NFW	H.M.	16	3	P'TM	A'	A	TH-2	¾ • C		
227 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M	16	3	P'TM	A'	A	TH-2	¾ • C		
228 A	3'0"	7'0"	1	1¾"	H.M.		C	P'TM	H.M.	16	3	P'TM	A'	A	TH-2	1 • B		
229 A	3'0"	7'0"	1	1¾"	H.M.		C	P'TM	H.M.	16	3	P'TM	H	I	TH-2	3 • A		
230 A	3'0"	7'0"	1	1¾"	W.D		C	NFW	H.M.	16	6a	P'TM	A'	A	TH-2	20 MIN	B	
231 A	2'6"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	3	P'TM	G'	G				
232 A	3'0"	7'0"	1	1¾"	W.D.		C	NFW	H.M.	16	6a	P'TM	G'	G				
235 A	3'0"	7'0"	1	1¾"	W.D		C	NFW	H.M.	16	4	P'TM	G'	G				
236 A	3'0"	7'0"	1	1¾"	WD		C	NFW	H.M.	16	4	P'TM	G'	G				
240 A	3'0"	7'0"	1	1¾"	WD		C	NFW	H.M.	16	4	P'TM	G'	G				
241 A	3'0"	7'0"	1	1¾"	WD		C	NFW	H.M.	16	4	P'TM	A'	A	TH-2			
242 A	3'0"	7'0"	1	1¾"	H.M.		C	P'TM	H.M.	16	3	P'TM	H	I	TH-2	1½ • B		

NOTE(S)	HINGES	LOCKSET	LATCHSET	EXIT DEVICE	PUSH/PULL UNITS	CLOSER	COORDINATOR	HOLD OPEN	BUMPER	PROTECTION PLATE	WEATHERSTRIPPING	SOUNDSTRIPPING	THRESHOLD	ASTRAGAL	MULLION	DEADBOLT	DOORSTOP	MAG HOLD OPEN	ASSEMBLY NO.	NOTE(S)
REFER TO UNGE D.O	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
HARDWARE BY ALUM. DOOR MANUFACTURE				A																
	A	B		A			A	A					A							
HARDWARE BY ALUM. DOOR MANUFACTURE				-																
	A	A		A			A	A					A			A				
	A	B		A			A	A					A			A				
	A	A		A			A	A					A			B				
	A	B		A			A	A					A			C				
	A	A		A			A	A					A			C				
	A	B		A			B		A				A			C				
	A	A		A			A	A					A			A				
	A	A		A			A	A					A			A				
	A	A		A			A	A					A			A				
	A	B		A			A	A					B			A				
	A																			
	A	C						A												
	A							A												
	A	C						A												
	A	C						A												
	A	C

DOOR AND HARDWARE SCHEDULE

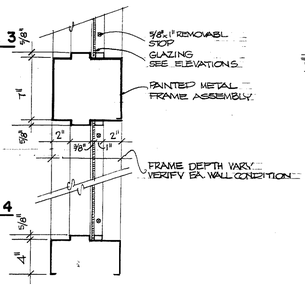
ASSEMBLY NUMBER	DOOR NOMINAL DIMENSION WIDTH	DOOR NOMINAL DIMENSION HEIGHT	DOOR LEAVES	DOOR THICKNESS	DOOR MATERIAL	DOOR UNDERCUT	FRAME TYPE	FRAME FINISH	FRAME DETAILS MATERIAL	FRAME DETAILS GAUGE	FRAME DETAILS TYPE	FRAME DETAILS FINISH	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS SILL	ASSEMBLY FIRERATING	ASSEMBLY LOCATION GLAZING	ASSEMBLY NOTE(S)	HINGES	LOCKSET	LATCHSET	EXIT DEVICE	PUSH/PULL UNITS	CLOSER	COORDINATOR	HOLD OPEN	BUMPER	PROTECTION PLATE	WEATHERSTRIPPING	SOUNDSTRIPPING	THRESHOLD	ASTRAGAL	MULLION	DEADBOLT	DOORSTOP	MAG HOLD OPEN	ASSEMBLY NO.	NOTE(S)
3:17-A	3'-0"	6'-8"	1	1 3/4"	H.M.		C	P'TM	H.M.	16	3	P'TM	A'	A	TH-2	1 • B			A	-	-	B	-	A		-	A	A	-	-	A	-	-	-				
3:28-A	3'-0"	6'-8"	1	1 3/4"	H.M.		C	P'TM	H.M.	16	3	P'TM	A'	A	TH-2	1 • B			A	-	-	B	-	A		-	A	A			A							
328-B	3'-0"	6'-8"	1	1 3/4"	H.M.		C	P'TM	H.M.	16	3	P'TM	A'	A	TH-2	1 • B			A	-	-	B	-	A		-	A	A			A							

DETAIL 1



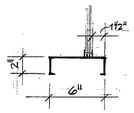
DETAIL 2

DETAIL 3

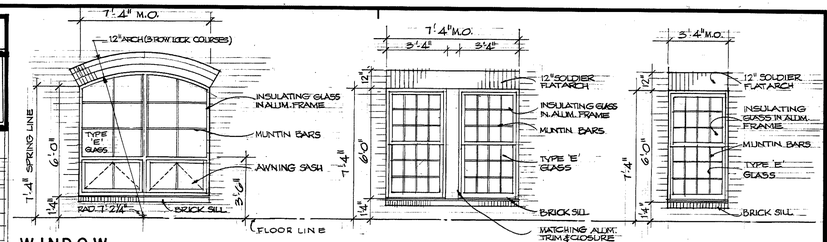


DETAIL 4

DETAIL 5



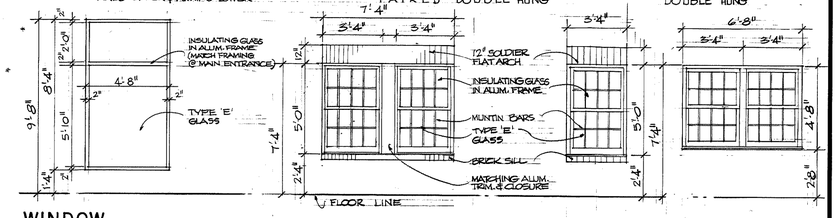
(A) @ 6" METAL STUD WALL
(B) @ 4" METAL STUD WALL
(C) @ 6" METAL STUD WALL
(D) @ 4" METAL STUD WALL



WINDOW TYPE A — FIXED UPPER & AWNING LOWER

WINDOW TYPE B — PAIRED DOUBLE HUNG

WINDOW TYPE C — DOUBLE HUNG



WINDOW TYPE D — FIXED

WINDOW TYPE E — PAIRED DOUBLE HUNG

WINDOW TYPE F — DOUBLE HUNG

WINDOW TYPE G — PAIRED DOUBLE HUNG

WINDOW ELEVATIONS

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

ROOM FINISH SCHEDULE

NO.	NAME	FLOOR	BASE	WALLS N.	WALLS E.	WALLS S.	WALLS W.	WALLS ALL	CEILING SYSTEM	CEILING FINISH	CEILING HEIGHT	SEE NOTE(S)
101	VESTIBULE	5		11 16 17	11 16 17	11 16 17	11 16 17			31	PITCHED	①
102	LOBBY	5	11	13 16 25	13 16	13 16 17	13 16 19		A	28, 31	10'-0" U.N.O. PITCHED	①
103	CORRIDOR 'A'	3	10	13 15 19	13 15 19	13 15 18 19	15 15 17				9'.	①
104	MEETING ROOM N° 3	3	8	13 15 19	13 15 19	15 15 19 20	15 15 26		A	28, 31	9' & 10'	①
105	MEETING ROOM N° 2	3	8	13 15 19	27	13 15 26	27		A	28, 31	9' & 10'	①
106	MEETING ROOM N° 1	3	8	13 15 19	27	13 15 26	13 15 19		A	28, 31	9' & 10	①
107	VOTE'G MACH. STOR.	2	7	15	15 19	15	15		B	29	8'	①
108	CHAIR STORAGE	2	7	15	15 19	15	15		B	29	8'	①
109	VOTE'G MACH. STOR.	2	7	15	15 19	15	15		B	29	8'	①
110	ELEC. CLOSET	2	7	16	16 20	16	16			30	8'	
111	PASSAGE	3	10	13 15 19	13 15	X	13 15 20		A	28		①
112	OFFICE	3	8	15 19	15 19	15	15 26		B	29	9'	
113	SEC/RECP'T	3	8	15 19	15	15 19	15 26		B	29	9'	
114	WAITING	2	7	15 16 19	15	15 19	15 26		B	29	9'	
115	DATA/RECP'T	3	8	15 21	15 19	15 18	15 26		B	29	9'	
116	NURSES	3	8	15 26	15	15	15 20 26		B	29	9'	
117	TOILET	2	7	15	15	15 19	15		B	29	8'	
118	OFFICE	3	8	15 26	15 25	15 19	15		B	29	9'	
119	CONFERENCE	3	8	15 26	15	15	15 19		B	29	9'	
120	STORAGE	2	7	15 20	15 22	15 22	15		B	30	9'	②
121	PASSAGE	2	7	15 19	15 19	15 19 20	15 19		B	29	9'	
122	EXAM N° 1	2	7	15 21	15	15	15 19		B	29	8'	
123	EXAM N° 2	2	7	15 21	15	15	15 19		B	29	8'	
124	WAITING	2	7	21	15	15 19	X		B	29	9'	①
125	BOROUGH (DEP'T)	2	7	X	15	15 21	15		B	29	9'	①
126	OFFICE	2	7	15	X	X	15		B	29	9'	①
127	CONFERENC	2	7	15	15				B	29	9'	①
128	CORRIDOR 'C'	3	6	13 15 20	13 15 19 20	X	13 15 19 20					
129	TAX ASSESSOR	2	7	15 19 21	15 19 18	15 19	15 19		A	28	9'	①
130	WAITING	2	7	15	15 19		21		A	28	9'	①
131	OFFICE	3	8	15	15 19	15	15		A	28	9'	①
* 129 A	WORK ROOM	2	7	15 21	15	15 21	15 21		A	28	9'	①
132	TAX COLLECTOR	2	7	15 26	15 19	15 19 18	15		A	28	9'	①
133	WAITING	2	7	21	15 19	15	21		A	28	9'	①
134	WORK ROOM	2	7	15	15	15 21	15 21		A	28	9'	①

ROOM FINISH NOTES:

① REFER TO REFLECTED CEILING PLANS & INTERIOR ELEVATIONS.

② PROVIDE AND INSTALL 5/8" TYPE X FIRE CODE GYPSUM BOARD SYSTEM.

Finishes

1. Exposed Concrete floor with sealer (dust free)
2. Vinyl Composition Tile (VCT)
3. Carpet
4. Ceramic mosaic floor tile (thin set)
5. Exposed paving brick (sealed) mudset
6. Ceramic mosaic tile base (4" high thin set)
7. Vinyl base (cove) 4" high
8. Vinyl base (straight) 4" high
9. Vinyl base (cove) 6" high
10. Vinyl base (straight) 6" high
11. Brick
12. Wood base painted
13. Vinyl wall covering (wainscot), refer to interior elevations
14. Vinyl wall covering (full wall height)
15. Painted gypsum board - flat finish
16. Painted gypsum board - semi-gloss finish
    a. Painted Concrete - semi-gloss finish
    b. Painted Concrete Masonry Unit (CMU) - semi-gloss finish
17. Anodized/Duranodic Aluminum Framing & Window Wall System - factory finish
18. Painted metal frame and glass assembly
19. Painted metal door frame with Stained & Varnished wood doors
20. Painted metal door frame with Painted Metal door
21. Plastic laminate counter top and Architectural Casework
22. Painted plywood shelving
23. Architectural wood shelving, stained and varnished
24. Exposed brick
25. Painted metal stairs and railing system
26. Painted wood trim
27. Operable Partition, factory finish
28. Type 'A' Acoustical Ceiling (2'X2' lay-in grid)
29. Type 'B' Acoustical Ceiling (2'X4' lay-in grid)
30. Painted Gypsum Board - semi gloss finish
31. Painted Gypsum Board with acoustical textured finish

ROOM FINISH SCHEDULE

NO.	NAME	FLOOR	BASE	WALLS N.	WALLS E.	WALLS S.	WALLS W.	WALLS ALL	CEILING SYSTEM	CEILING FINISH	CEILING HEIGHT	SEE NOTE(S)
135	OFFICE	3	8	15 26	15 19	15	15		A	28	9'-0"	①
136	STAIR N° 3	2	7	16	16 20	16 20	16			30	SEE DRAWING	②
137	TOWN CLERK	2	7	15 19	24 15 20 21	15 20 21	15 19 18 21		A	28	9'-0"	①
138	OFFICE	3	8	15 26	24	15 19	15		A	28	9'-0"	①
139	MAIN RECORD VAULT	2	7	16a	16a	16a	16a		B	29	9'-0"	①
140	STORAGE	2	7	16 20	16 22	16 22	16		-	30	8'-0"	②
141	REGISTRARS OF VOTERS	3	8	15	15	15	15 19		A	28	9'-0"	①
142	WOMEN	4	6	16	16	16 19	16 21		B	29	8'-0"	①
143	MEN	4	6	16	16 21	16 19	16		B	29	8'-0"	①
144	ELEVATOR MACHINE RM.	1	7	16	16 20	16	16		-	30	8'-0" ±	②
145	JANITOR	2	7	16	16 20	16	16		-	30	VARIES	②
146	STAIR N° 2	2	7	16	16 20	16	16		-	30	SEE DRAWING	②
147	CORRIDOR 'B'	3	10	13 15 20	13 15 20	13 15	13 15		A	28	9'-0"	①
148	RESIDENT TROORER	2	7	15 19	15 26	15	15 19 21		A	28	9'-0"	①
149	CLOSET	2	7	15	15 19	15	15		-	30	8'-0"	②
150	CODE ENFORCEMENT	2	7	15 19 21	15 26	15 19	15		A	28	9'-0"	①
151	STORAGE	2	7	16b	16b 20	16b	16b		-	30	9'-0"	①
152	CONFERECE	3	8	15 19	15 26	15 26	15		A	28	9'-0"	①
153	OFFICE	3	8	15 19	15 25	15 26	15		A	28	9'-0"	①
154	OFFICE	2	7	15	15	15 26	15 26		A	28	9'-0"	①
155	PASSAGE	2	10	15 20	15	15 20	15		B	29	8'-0"	①
156	RECEIVING (GENERAL)	1	-	16b 20	16b 26	16a 20	16b		NONE			
157	JANITOR/WATER ENTRANCE	1	-	16b	16b	16b 20	16b		NONE			
158	ELECTRIC SWITCH	1	-	16b 20	16b	16a	16b		NONE			
159	GENERATOR	1	-	16b	16b 20	16b	16b		NONE			
160	BOILER ROOM	1	-	16b	16b 20	16a	16b		NONE			
201	CORRIDOR A-1	3	10	13 15 19	15	13 15 19	15		A	28	9'-0"	①
202	TOWN ADMINSTRATION	3	8	15 19	15 26	15 19 23	15 19		A	28	9'-0"	①
203	SELECTMAN	3	8	15 19	15 26	15 26	15		A	28	9'-0"	①
204	TOILET	2	7	16 19	16	16 26	16		A	28	9'-0"	①
205	CONFERENCE	3	8	15 19 23	15 19	15 26	15 26		A	28	9'-0"	①
206	OFFICE	3	8	15	15 19	15 23	15 26		A	28	9'-0"	①

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER
NORWICH AVE.
COLCHESTER, CONNECTICUT

Peter Abel Inc.
Architects/Planners
P.O. Box 210
21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

DOOR SCHEDULE
ROOM FINISH SCHEDULE
WINDOW ELEVATIONS

PROJECT NO. 8604
SCALE : NONE
DRAWN BY : F.S.M.
CHECKED BY : F.S.M.
DATE : AUGUST 1, 1988

A-15

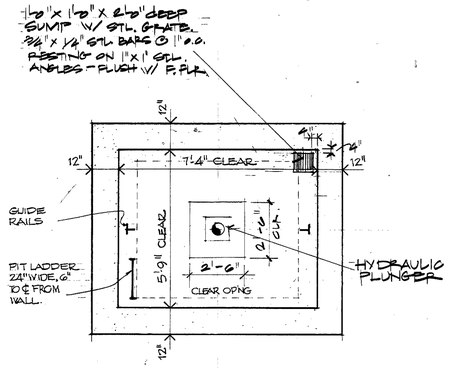
134487

ROOM FINISH SCHEDULE

NO.	NAME	FLOOR	BASE	WALLS N.	WALLS E.	WALLS S.	WALLS W.	WALLS ALL	CEILING SYSTEM	CEILING FINISH	CEILING HEIGHT	SEE NOTE(S)
207	OFFICE	3	8	15 23	15 19	15	15 26		A	28	9'-0"	
208	WORK ROOM	2	7	15 21	15 21	15	15		A	28	9'-0"	
209	PAY ROLL/ACCOUNTING	2	7	15 19 21	15 20 21	15	15 26		B	29	9'-0"	
210	RECORD STORAGE	2	7	16	16	16	16 20		B	29	9'-0"	
211	CONF/FUTURE COMPUTER	2	7	15 19	15	15 19	15 26		B	29	9'-0"	
212	PHOTOCOPY/STORAGE	2	7	15 22	15 19 22	15	15 22		B	29	9'-0"	
213	SEC/RECP'T	2	7	15	15 19	15 19	15 19		A	28	9'-0"	
214	OFFICE	3	7	15 26	15	15 19	15 19		A	28	9'-0"	
215	OFFICE	3	7	15 26	15 19	15	15 19		A	28	9'-0"	
216	CLOSET	3	7	15	15	15	15 19		-	30	8'-0"	
217	CORRIDOR 'C-1'	3	8	13 15 20	13 15 19 20	X	13 15 19 20		A	28	9'-0"	
218	SEC/RECP'T(PROBATE)	2	7	15 26	15 19	15 19 21	15 20 21		A	28	9'-0"	
219	OFFICE	3	8	15 26	15	15	15 19		A	28	9'-0"	
220	CAMBERS	3	8	15 19	15	15	15		A	28	9'-0"	
221	WORK ROOM	2	7	X	15 21	15 21	15		A	28	9'-0"	
222	RECORD STORAGE	2	7	16b	16b	16b	16 20		B	29	9'-0"	
223	EMPLOYEE'S LOUNGE	2	7	15	15	15	15 19 21		B	29	9'-0"	
224	ELECTRICAL CLOSET	1	7	16	16	16	16 20		-	30	8'-0"	
225	JANITOR CLOSET	2	7	16	16	16	16 20		-	30	8'-0"	
226	WOMEN	4	6	16	16	16 19	16 21		B	29	8'-0"	
227	MEN	4	6	16	16 21	16 19	16		B	29	8'-0"	
228	STAIR N° 2	2	7	16	16	16	16		-	30		
229	GENERAL RECORD STOR.	2	7	16b	16b	16b 19	16b		B	29	9'-0"	
230	RECP'T/SEC.(B'D OF ED)	2	7	15 19		15	15 19		A	28	9'-0"	
231	CLOSET	2	7	15	15 19	15	15		-	30	8'-0"	
232	CONFERENCE	3	8	15 19	15	15 26	15 26		A	28	9'-0"	
233	SUPERINTENDENT'S OFF	3	8	15 19	15 26	15 26	15		A	28	9'-0"	
234	OFFICE	3	8	15	15 26	15	15 19		A	28	9'-0"	
235	RECORD STORAGE	2	7	15	15	15	15		A	28	9'-0"	
236	DIRECTOR SPECIAL ED	3	8	15	15 26	15	15 19		A	28	9'-0"	
237	SEC. SPECIAL ED	2	7	15	X	15	15		A	28	9'-0"	
238	WORK ROOM	2	7	15 21	15	15 21	15 21		A	28	9'-0"	
239	FINANCE/PAYROLL	2	7	15 20	15 26	15	15		A	28	9'-0"	
240	OFFICE	3	8	15	15	15 19	15		A	28	9'-0"	
241	RECORD STORAGE	2	7	16b	16b	16b 20	16b		B	29	9'-0"	
242	CORRIDOR B-1	3	8	13 15 20	13 15 19	X	13 15 20		A	28	9'-0"	

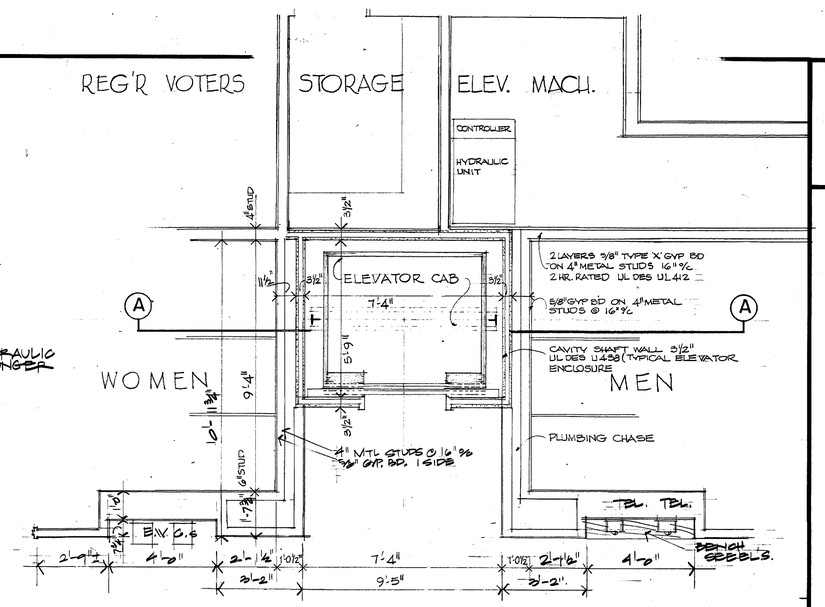
Finishes

1. Exposed Concrete floor with sealer (dust free)
2. Vinyl Composition Tile (VCT)
3. Carpet
4. Ceramic mosaic floor tile (thin set)
5. Exposed paving brick (sealed) mudset
6. Ceramic mosaic tile base (4" high thin set)
7. Vinyl base (cove) 4" high
8. Vinyl base (straight) 4" high
9. Vinyl base (cove) 6" high
10. Vinyl base (straight) 6" high
11. Brick
12. Wood base painted
13. Vinyl wall covering (wainscot), refer to interior elevations
14. Vinyl wall covering (full wall height)
15. Painted gypsum board - flat finish
16. Painted gypsum board - semi-gloss finish
    a. Painted Concrete - semi-gloss finish
    b. Painted Concrete Masonry Unit (CMU) - semi-gloss finish
17. Anodized/Duranodic Aluminum Framing & Window Wall System - factory finish
18. Painted metal frame and glass assembly
19. Painted metal door frame with Stained & Varnished wood doors
20. Painted metal door frame with Painted Metal door
21. Plastic laminate counter top and Architectural Casework
22. Painted plywood shelving
23. Architectural wood shelving, stained and varnished
24. Exposed brick
25. Painted metal stairs and railing system
26. Painted wood trim
27. Operable Partition, factory finish
28. Type 'A' Acoustical Ceiling (2'X2' lay-in grid)
29. Type 'B' Acoustical Ceiling (2'X4' lay-in grid)
30. Painted Gypsum Board - semi gloss finish
31. Painted Gypsum Board with acoustical textured finish



ELEVATOR PIT PLAN

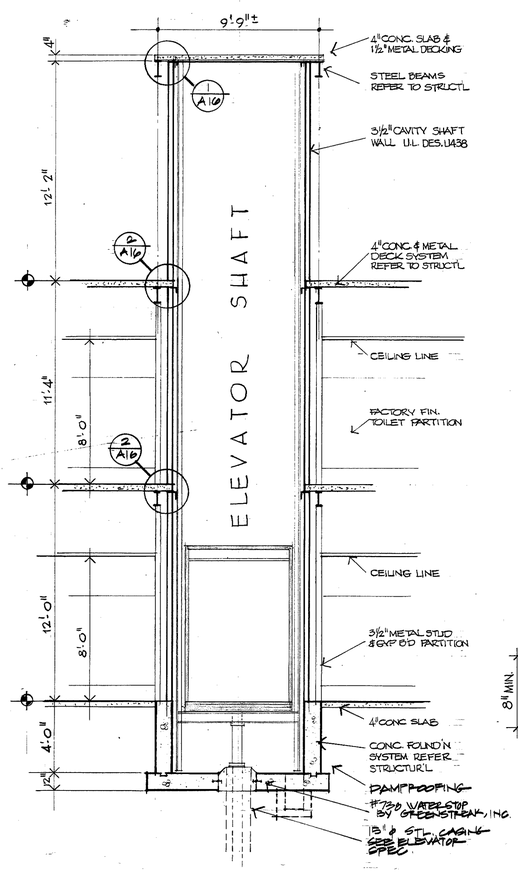
SCALE: 3/8" = 1'-0"



PLAN ELEVATOR at FIRST FLOOR

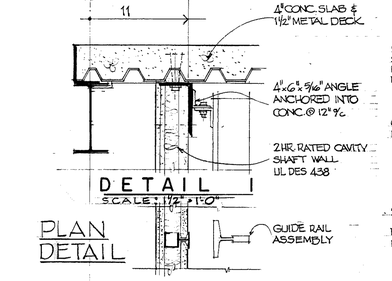
second floor similar

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



SECTION

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



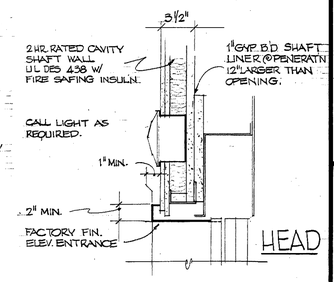
DETAIL 1

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

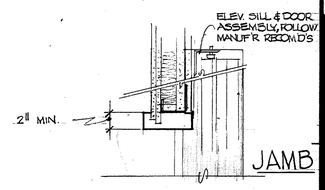
PLAN DETAIL

DETAIL 2

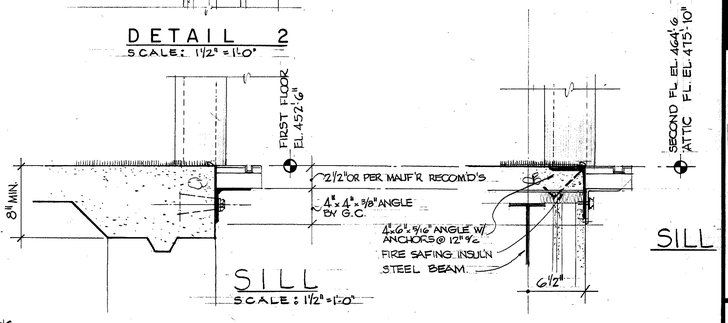
SCALE: 1 1/2" = 1'-0"



HEAD



JAMB



SILL

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

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TOWN OF COLCHESTER

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COLCHESTER, CONNECTICUT

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21 South Main Street
Marlborough Connecticut 06447-0210
(203) 295-9511

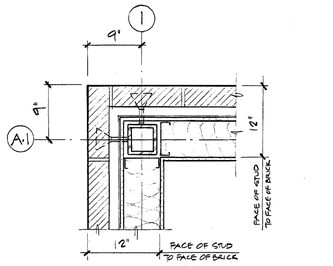
ROOM FINISH SCHEDULE
ELEVATOR DETAILS

PROJECT NO. 8604

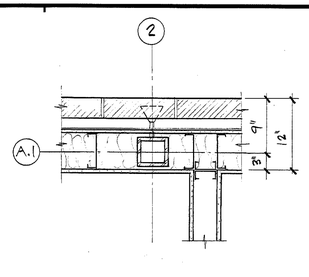
SCALE: AS NOTED
DRAWN BY: E.S.M.
CHECKED BY: F.S.M.
DATE: 1 AUG 88

A-16

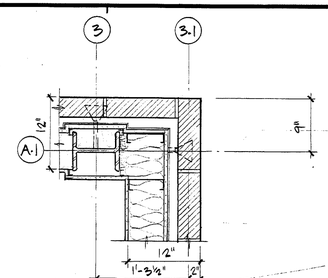
130457



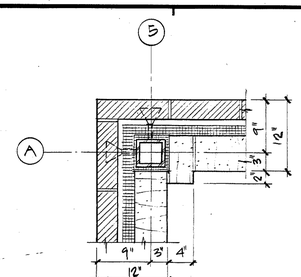
1 COL. PLAN @ 1ST FL.
COLS. Q1, Q6 1ST FL. ; COLS. Q6, C 3.1, Q3.1 2ND FL. SIM.



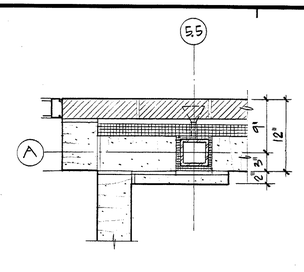
2 COL. PLAN @ 1ST FL,
COL. H 3.1 @ 2ND FL. SIM.



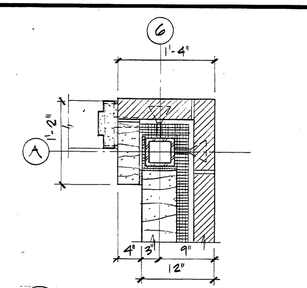
3 COL. PLAN @ 1ST FL.



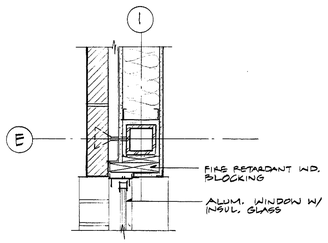
4 COL. PLAN @ 1ST FL.



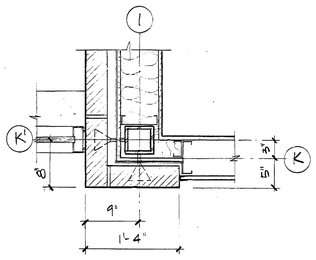
5 COL. PLAN @ 1ST FL.



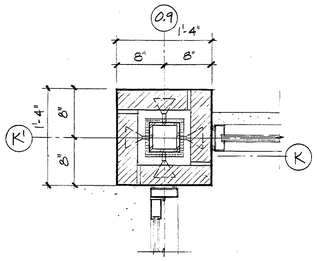
6 COL. PLAN @ 1ST FL.



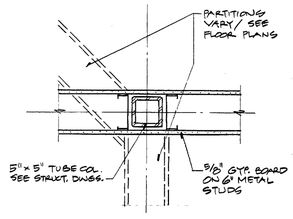
7 COL. DETAIL @ 1ST FL.
COL. H 3.1 @ 2ND FL. SIM.



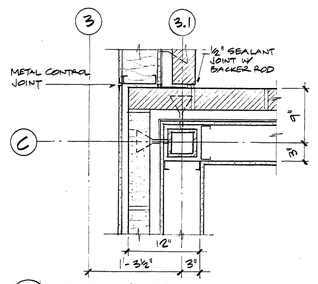
13 COL. PLAN @ 1ST FL.
COL. M' 0.9 OPP. HAND



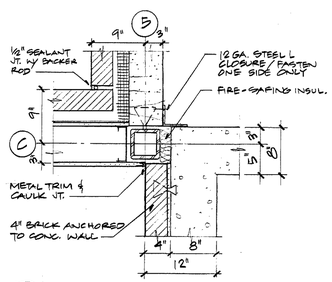
19 COL. PLAN @ 1ST FL.
COL. M' 0.9 OPP. HAND



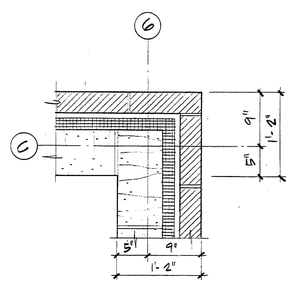
20 TYPICAL INTERIOR COL.



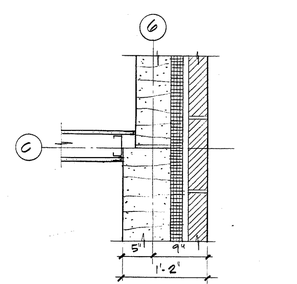
9 COL. PLAN @ 1ST FL.



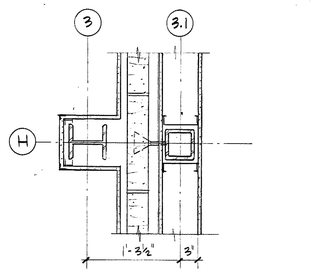
10 COL. PLAN @ 1ST FL.



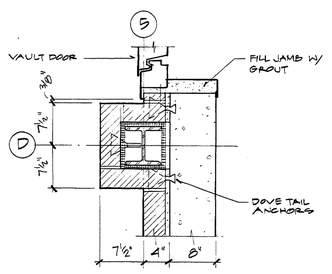
11 PLAN DETAIL @ 2ND FL.



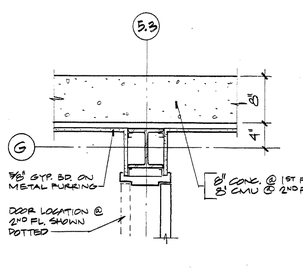
12 PLAN DETAIL @ 1ST FL.



15 COL. PLAN @ 1ST FL.



16 COL. PLAN @ 1ST FL.



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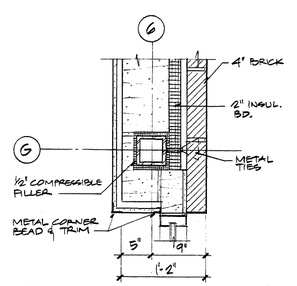

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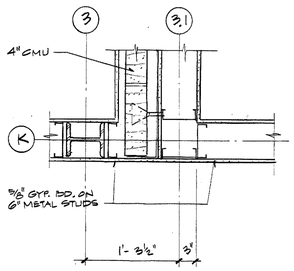
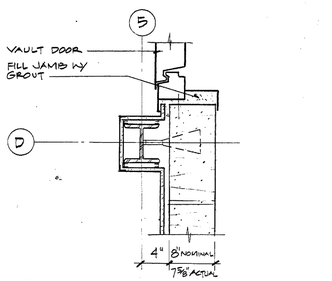
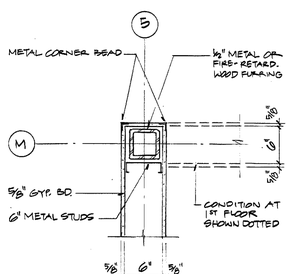


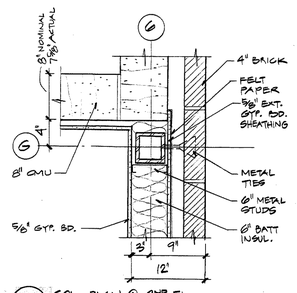
21 COL. PLAN @ 1ST FL.



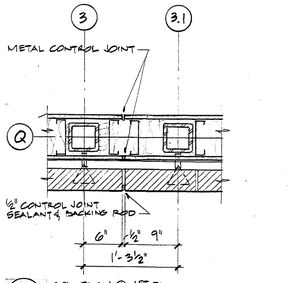
22 COL. PLAN @ 2ND PL.



23 COL. PLAN @ 2ND FL. AS DRAWN
@ 1ST FL. AS NOTED



24 COL. PLAN @ 2ND FL.



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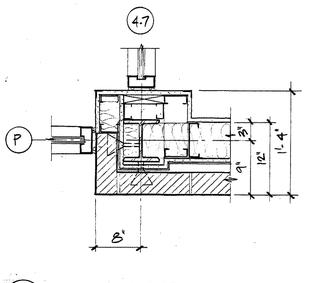
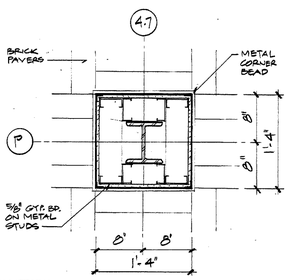
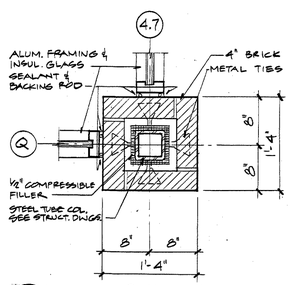


28 COL. PLAN @ 2ND FL.
COL. P 4.3 OPP. HAND



29 COL. PLAN @ 1ST FL.
COL. P 4.3 SIM.



30 COL. PLAN @ 1ST FL.
COL. Q 4.3 OPP. HAND

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER

NORWICH AVE.
COLCHESTER, CONNECTICUT

Peter Abel Inc.
Architects/Planners
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21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

COLUMN DETAILS

PROJECT NO.
8604

SCALE: 1" = 1'-0"
DRAWN BY: D.M.
CHECKED BY: D.M.
DATE: 1 AUG 88

A-17

130457

NOTES:
1. CLOSE ALL ENDS OF CHANNELS & GRIND SMOOTH.
2. GUARD RAIL ENDS TO BE CLOSED & GROUND SMOOTH.
3. BRONZE RAILING TO HAVE ALL ENDS CLOSED & POLISHED.
4. ALL CONC. FILL TO BE 4000 PSI COMPRESSIVE STRENGTH.

4" METAL STUD & GYP BD PARTITION

1'-4" x 1'-4" GYP BD & METAL STUD PIER

FUTURE STAIR DOWN

attic level

GUARDRAIL SCHEDULE
40-3½" ø GALV PIPE GROUND SMOOTH & PAINTED
1" x ½" CHANNEL
¾" x ¾" SOLID STEEL SUPPORT BARS 33" MAX.
3/16" x 1¼" FLAT STOCK TRIM.
1½" ø BRONZE RAILING EQUAL TO J.L. BLUM. #6489
RAIL BRACKET EQUAL TO J.L. BLUM. #805
3/16" x 3½" BRACKET SUPPORT
½" x ½" HOLLOW TUBE INTERMEDIATE BALUSTERS
¾" x 1¼" FLAT STOCK TRIM
C 12 x 20.7 STAIR STRINGER
12 GA. FACING (WELDED & GROUND SMOOTH.
2" CONC. FILLED STAIR TREAD
5/8" GYP BD & 1" METAL FURRING W/ U.S.G. #200 B TRIM OR EQUAL

TYPICAL RAILING DETAIL
SCALE: 1½" = 1'-0"

2nd FL. EL. 464'-6"
2" CONC. FILL (Fc 4000#)
C 12 x 20.7 STAIR STRINGER
10 GA. METAL PAN.
4" CHANNELS AT INTERMEDIATE SUPPORTS.
4" CONC. & 1½" METAL DECK
5/8" GYP BD & METAL FURRING ASSEMBLY
PROVIDE & INSTALL CLIP ANGLES AS REQUIRED
W16 SPANDREL (REFER TO STRUCTURALS)
4" METAL STUDS & 5/8" GYP BD ENCLOSURE

DETAIL A
SCALE: 1½" = 1'-0"

RAILING & BALASTER SYSTEM (SEE DETAIL)
C 12 x 20.7 STAIR STRINGER & CLOSURE PLATE
CARPETED STAIR SYSTEM
5" CONC. FILLED LANDING
10 GA. METAL PAN.
GYP BD & FURRING SOFFIT.
11 TYPICAL

DETAIL B
SCALE: 1½" = 1'-0"

1½" ø BRONZE HANDRAIL
PAINTED STEEL GUARDRAIL
½" & ¾" PAINTED BALUSTERS
6"

RAILING RETURN DETAIL
SCALE: 1½" = 1'-0"

2" CONC. FILLED, 12 GA. METAL PAN TREADS & RISERS.
1¼" x 1¼" x 1¼" ANGLE STAIR SUPPORT WELDED TO STRINGER.
4" x 4" x 5/16" x 4" CLIP ANGLE & ANCHOR BOLT.
7"
BRICK FLOORING & SETTING BED

DETAIL C
SCALE: 1½" = 1'-0"

1'-4" 3'-8" 5'-6" 3'-8" 1'-4"
STRINGER SUPPORT TO FLOOR BEAM.
201-A
1'-4" x 1'-4" GYP BD & METAL STUD PIERS.
PAINTED METAL FRAME & GLASS ASSEMBLY
GUARD RAIL & RAILING ASSEMBLY
1'-2"
9'-4"
DN. 18 TREADS @ 11" EA.
TYPICAL EXTERIOR WALL CONSTRUCTION.
12 5/8"

second

1'-4" SQUARE
5/8" GYP BD W/ METAL CORNER BEADS.
4" METAL STUDS
TYPICAL GYP BD PIER
1'-4"
12'-10"
3" 3'-8" PLATFORM. 5'-6" 6 TREADS @ 11" 3'-8" PLATFORM. 3"
5½" x 7" OAK RAIL (3'-6" A.F.F.)
HOLD 1" OFF FROM PIER (TYP.)
STRINGER SUPPORT TO FLOOR BEAM ABOVE.
3'-8" PLATFORM.
9'-4"
5'-6" 6 TREADS @ 11"
21 RISERS @ 6.9" EA
UP
1'-11"
12"

first

STAIR FLOOR PLANS
SCALE: 3/8" = 1'-0"

STAIRS
FUTURE ATTIC LEVEL
11'-4" FIN. FL. HEIGHT
12'-0" FIN. FLOOR HEIGHT
7'-2"
OUTLINE OF FUTURE FRAME OPENING.
PAINTED GYP BD & METAL STUD WALLS, FASCIA & SOFFIT.
GYP BD & METAL STUD BEAM/FLOOR ENCLOSURE (4" METAL STUDS W/5/8" GYP BD)
12"
4"
FUTURE ATTIC LEVEL STAIRS
PAINTED METAL FRAME & GLASS ASSEMBLY.
3'-6"
2'-11"
17"
5'-6"
21 RISERS @ 6.9" (6 9/16")
7 RISERS @ 6.9" 4'-0"
7 RISERS @ 6.9" 4'-0"
7 RISERS @ 6.9" 4'-0"
GUARD RAIL & RAILING ASSEMBLY
4" PAINTED W'D WOOD TRIM.
BENT METAL STRINGER SUPPORTED BY ANGLE SUPPORTS TO FLOOR BEAM ABOVE. (TYPICAL)
5/8" GYP BD & 1½" METAL CHANNEL FURRING (TYPICAL ALL LANDINGS)
PAINTED STRUCT'L 'L' CHANNELS & PLATES (TYPICAL)
5¼" x 7" WOOD RAIL
1'-4" x 1'-4" GYP BD PIERS (TYPICAL OF 4)
3" 3'-8" STAIR & LANDING 6 T @ 11" EA 5'-6" 3'-8" LANDING 3"

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

INSULATING GLASS IN ALUM. FRAME (REFER TO 2/A9)
PAINTED GYP BD PILASTER BEYOND.
PAINTED GYP BD & METAL STUD PARTITION @ ATTIC LEVEL.
1'-6"
7'-2"
8'-8"
GYP BD & METAL STUD BEAM/FLOOR ENCLOSURE. (4" METAL STUDS & FURRING W/5/8" GYP BD PAINTED.)
PAINTED METAL FRAME & GLASS.
VESTIBULE & LOBBY ROOF FRAMING (REFER TO 2/A9)
TYPICAL GUARD RAIL & HANDRAIL SYSTEM.
11'-4"
A
5'-6"
2'-8"
PAINTED GYP BD SOFFIT & LANDING SOFFIT TYP.
PAINTED STRUCT'L CHANNELS & PLATES.
1'-4" x 1'-4" GYP BD PIER BEYOND.
B
C
TYP. RAIL HT. 2'-8"
7 RISERS @ 6.9" 4'-0"
7 RISERS @ 6.9" 4'-0"
7 RISERS @ 6.9" 4'-0"
12'-0"
3" 3'-8" 6 T @ 11" = 5'-6" 1'-11" 1 TREAD + 12" ±

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

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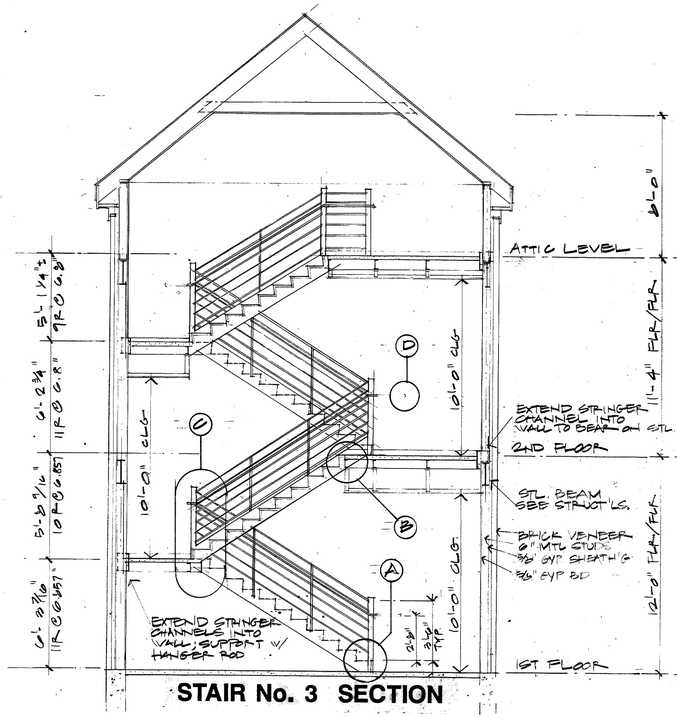
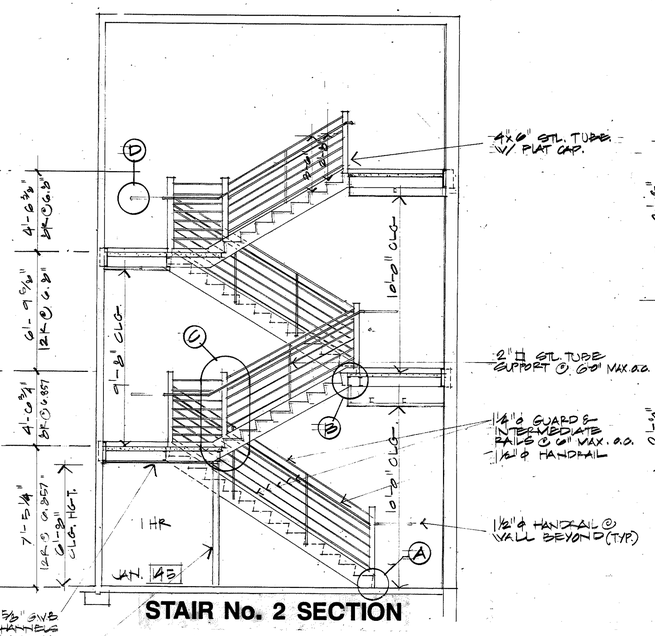
STAIR DETAILS
STAIR NO. 1

PROJECT NO. 8604
SCALE: AS NOTED
DRAWN BY: F.S.M.
CHECKED BY: F.S.M.
DATE: AUG 88

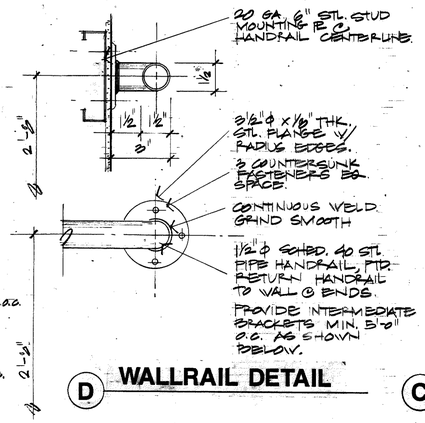
A-18



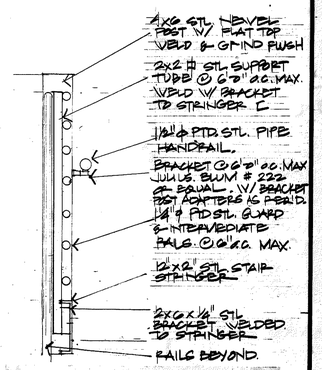
STAIR No. 3 SECTION



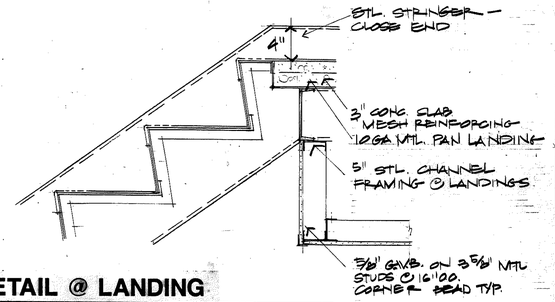
STAIR No. 2 SECTION



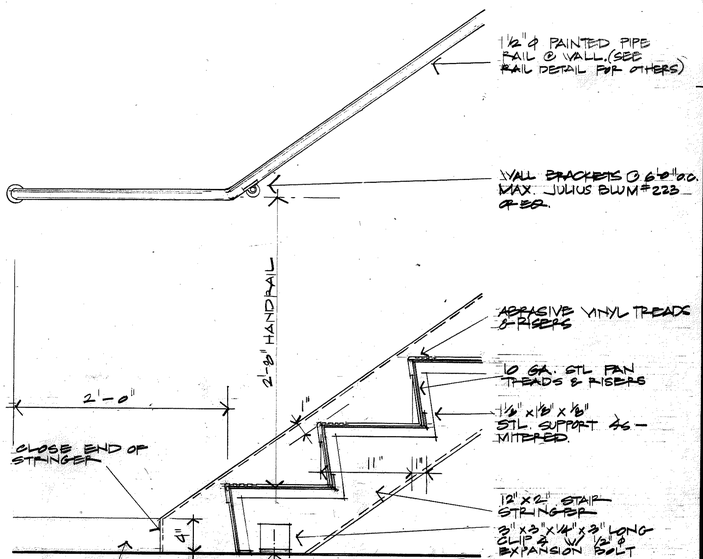
D WALLRAIL DETAIL



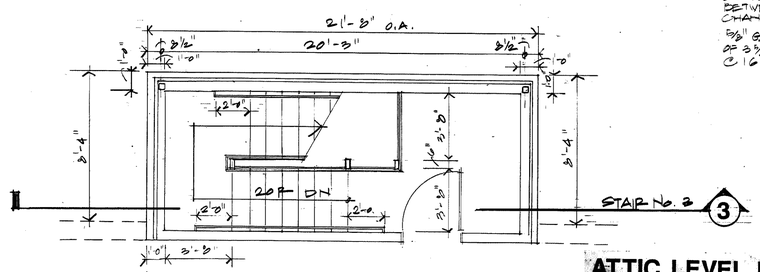
C RAIL SYSTEM DETAIL



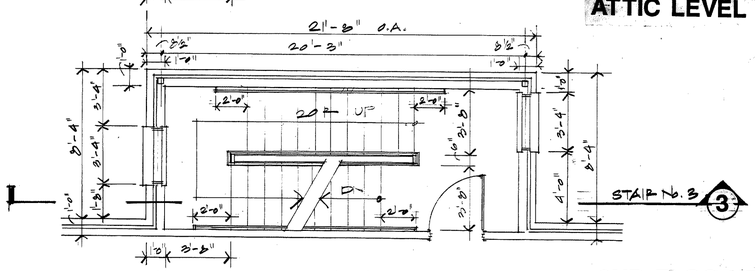
B DETAIL @ LANDING



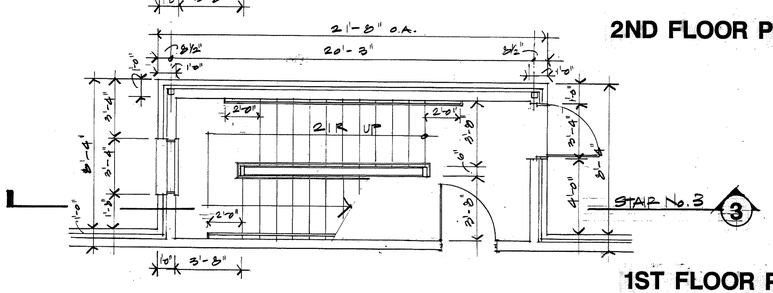
A DETAIL @ FLOOR



ATTIC LEVEL PLAN



2ND FLOOR PLAN



1ST FLOOR PLAN

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STAIR DETAILS
STAIRS NO.s 2 & 3

PROJECT NO. 8604

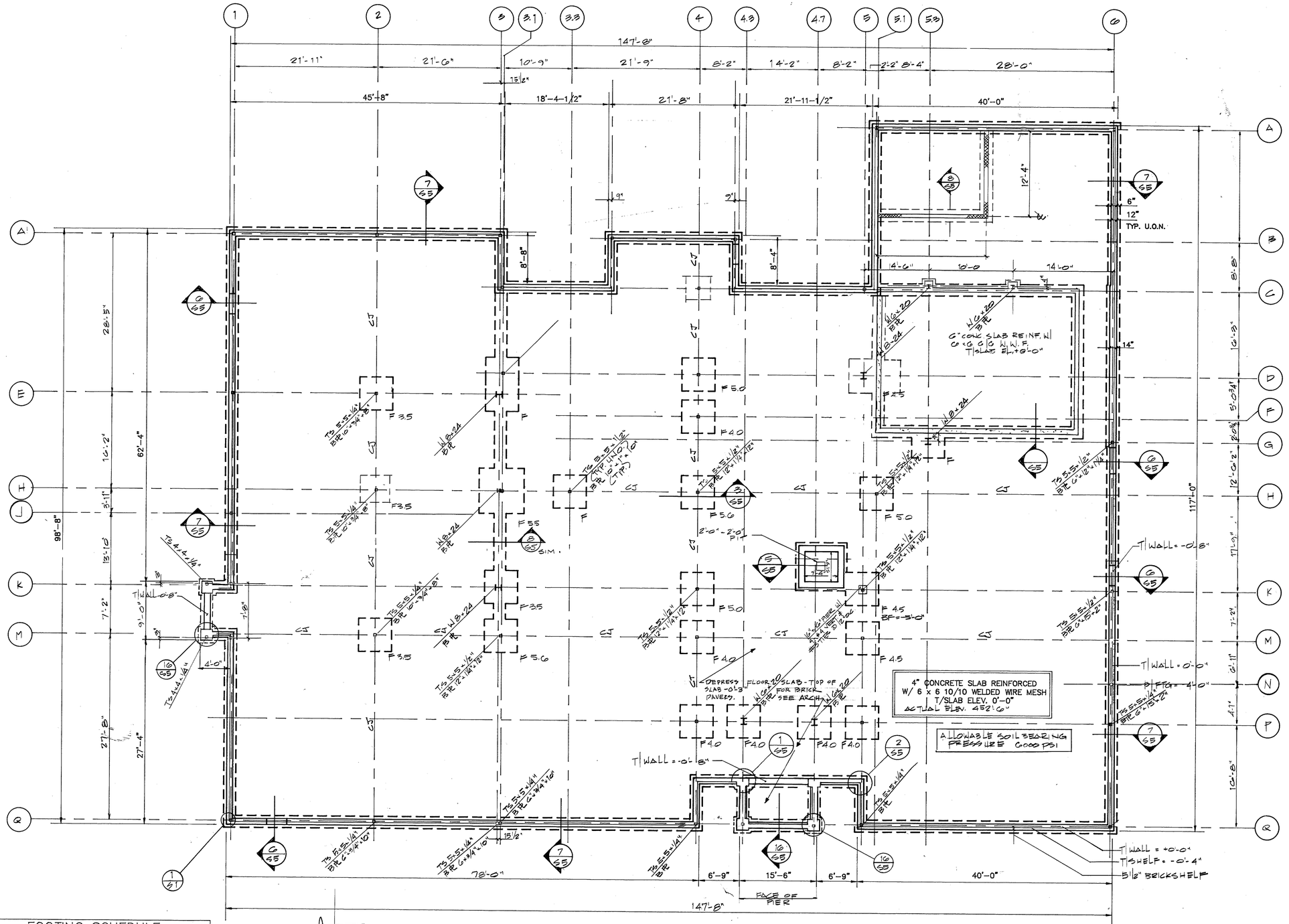
SCALE: AS NOTED

DRAWN BY: W.W.B.

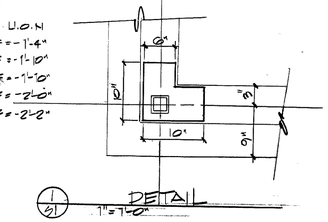
CHECKED BY: F.S.M.

DATE: 1 AUG 88

A-19



FOOTING SCHEDULE			
F3.5	3'-6" x 3'-6" x 12" DP	5-#5 E.W	BF U.O.N
F4.0	4'-0" x 4'-0" x 14" DP	6-#5 EW	BF=-1'-4"
F4.5	4'-6" x 4'-6" x 14" DP	5-#6 E.W	BF=-1'-10"
F5.0	5'-0" x 5'-0" x 16" DP	7-#6 EW	BF=-2'-0"
F5.5	5'-6" x 5'-6" x 18" DP	8-#6 E.W	BF=-2'-2"



1/S1 DETAIL 1"=1'-0"

FOUNDATION PLAN

SCALE 1/8" = 1'-0"

ALL PERIMETER COLUMNS TS 5x5x1/4" U.O.N.
SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

DESIGN LOADS	LIVE LOAD	DEAD LOAD
ROOF	40 psf *	17 psf
FLOOR	80 psf +	45 psf
STORAGE	200 psf	

* PLUS DRIFT WHERE APPLICABLE
+ INCLUDES PARTITION WEIGHT

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FOUNDATION PLAN

PROJECT NO. 87-90

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

DRAWN BY:

CHECKED BY:

DATE: AUGUST 1,1988

S-1

130457

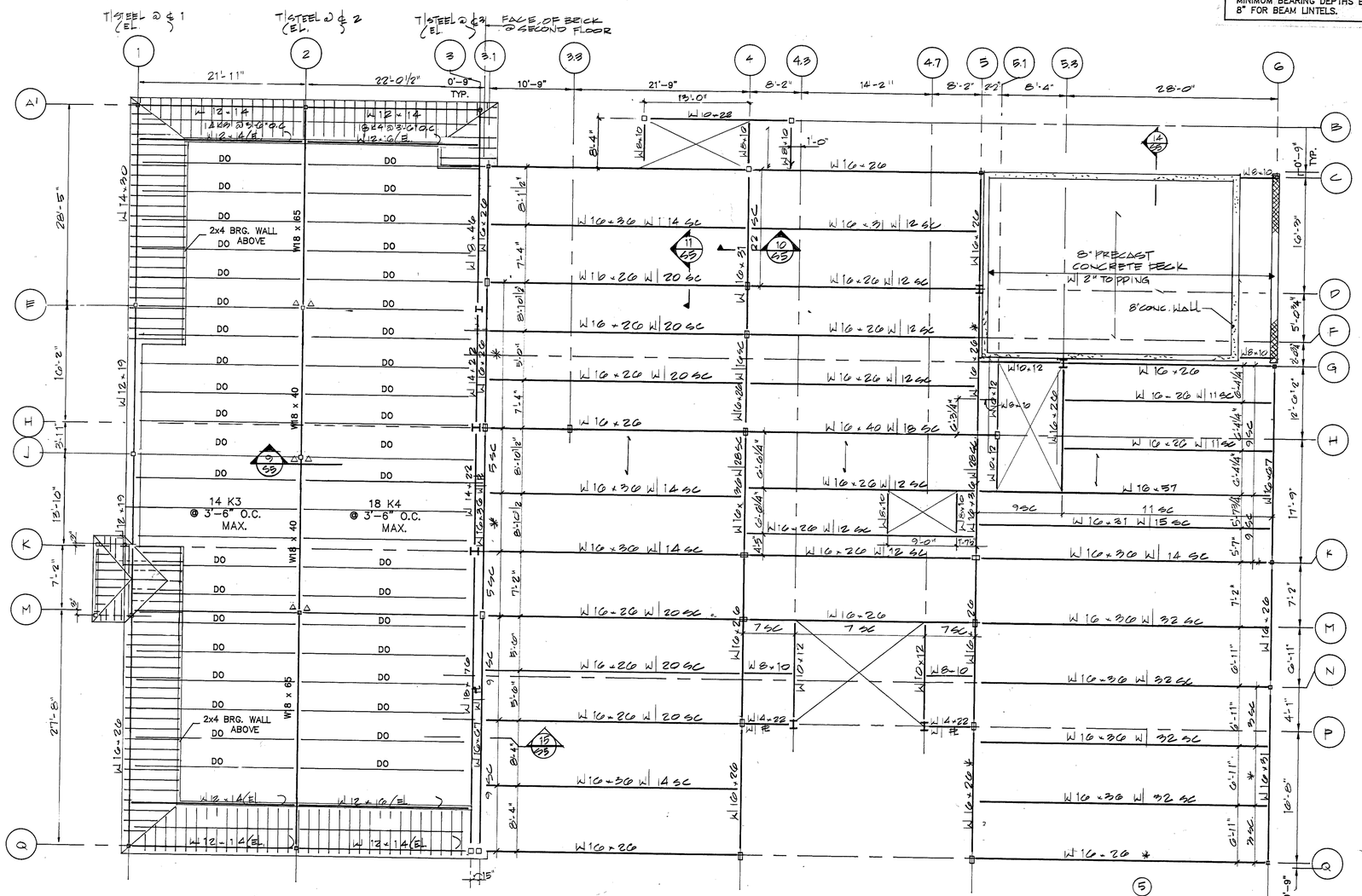
STEEL LINTELS

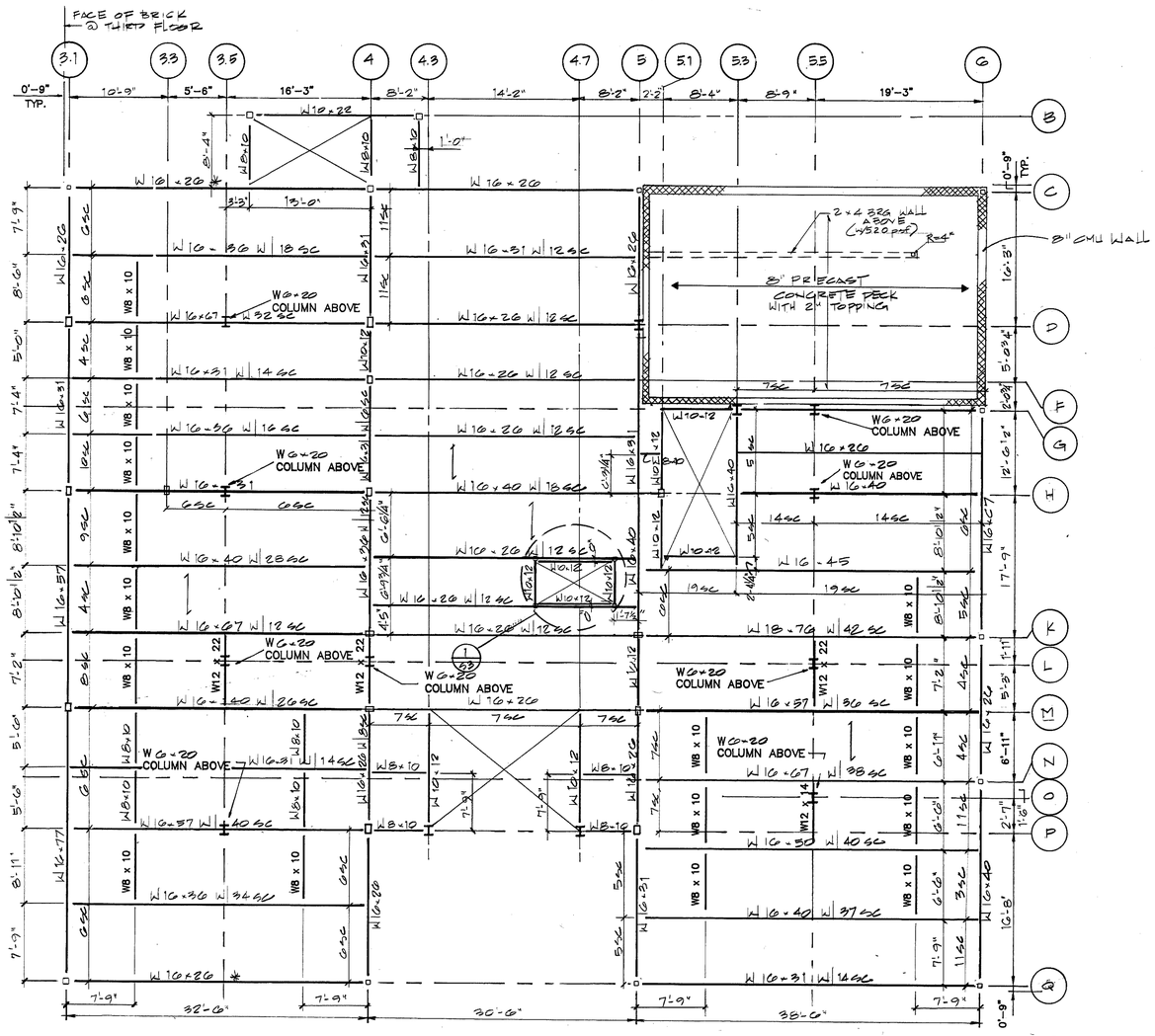
PROVIDE ONE ANGLE FOR EACH 4" THICKNESS OF WALL AS FOLLOWS:

OPENINGS UP TO 3'-0" – L3-1/2" x 3" x 1/4"
OPENINGS 3'-1" TO 6'-0" – L4" x 3-1/2" x 5/16"
OPENINGS 6'-1" TO 8'-0" – L5" x 3-1/2" x 5/16"
OPENINGS 8'-1" TO 10'-0" – W8 x 13 W/ 5/16" HUNG PLATE

UNLESS OTHERWISE NOTED.

MINIMUM BEARING DEPTHS EACH END 5" FOR ANGLE LINTELS. 8" FOR BEAM LINTELS.


T/STEEL @ ℄ 1 (EL.
T/STEEL @ ℄ 2 (EL.
T/STEEL @ ℄ 3 (EL.
FACE OF BRICK @ SECOND FLOOR
21'-11"
22'-0½"
0'-8" TYP.
10'-9"
21'-9"
13'-0"
8'-2"
14'-2"
8'-2"
22"
8'-4"
28'-0"
2x4 BRG. WALL DO ABOVE
14 K3 @ 3'-6" O.C. MAX.
18 K4 @ 3'-6" O.C. MAX.
8" PRECAST CONCRETE DECK W/ 2" TOPPING
8" CONC. WALL
W18 x 65
W18 x 40
W12 x 19
W12 x 14
W10 x 26
W16 x 26
W16 x 30 W 14 SC
W16 x 26 W 20 SC
W16 x 26 W 12 SC
W16 x 40 W 18 SC
W16 x 26 W 11 SC
W16 x 30 W 32 SC
W16 x 26 W 32 SC
W16 x 30 W 32 SC
W16 x 26 *
W16 x 30 W 14 SC
W16 x 26 W 20 SC
W16 x 26 W 12 SC
W16 x 30 W 14 SC
W16 x 26
W16 x 26 W 12 SC
W16 x 26 W 20



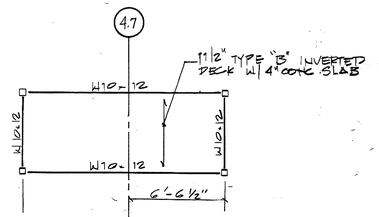
THIRD FLOOR FRAMING PLAN

SCALE 1/8"=1'-0"

* INDICATES MINIMUM OF 4SC (SHEAR CONNECTORS) EQUALING 32" O.C. MAX.

T/STEEL ELEVATION = +23'-0"

INDICATES 4" SLAB ON 1½" "B-LOK" COMPOSITE FLOOR DECK BY UNITED STEEL DECK OR EQUAL.



ELEVATOR ROOF FRAMING
NOT TO SCALE

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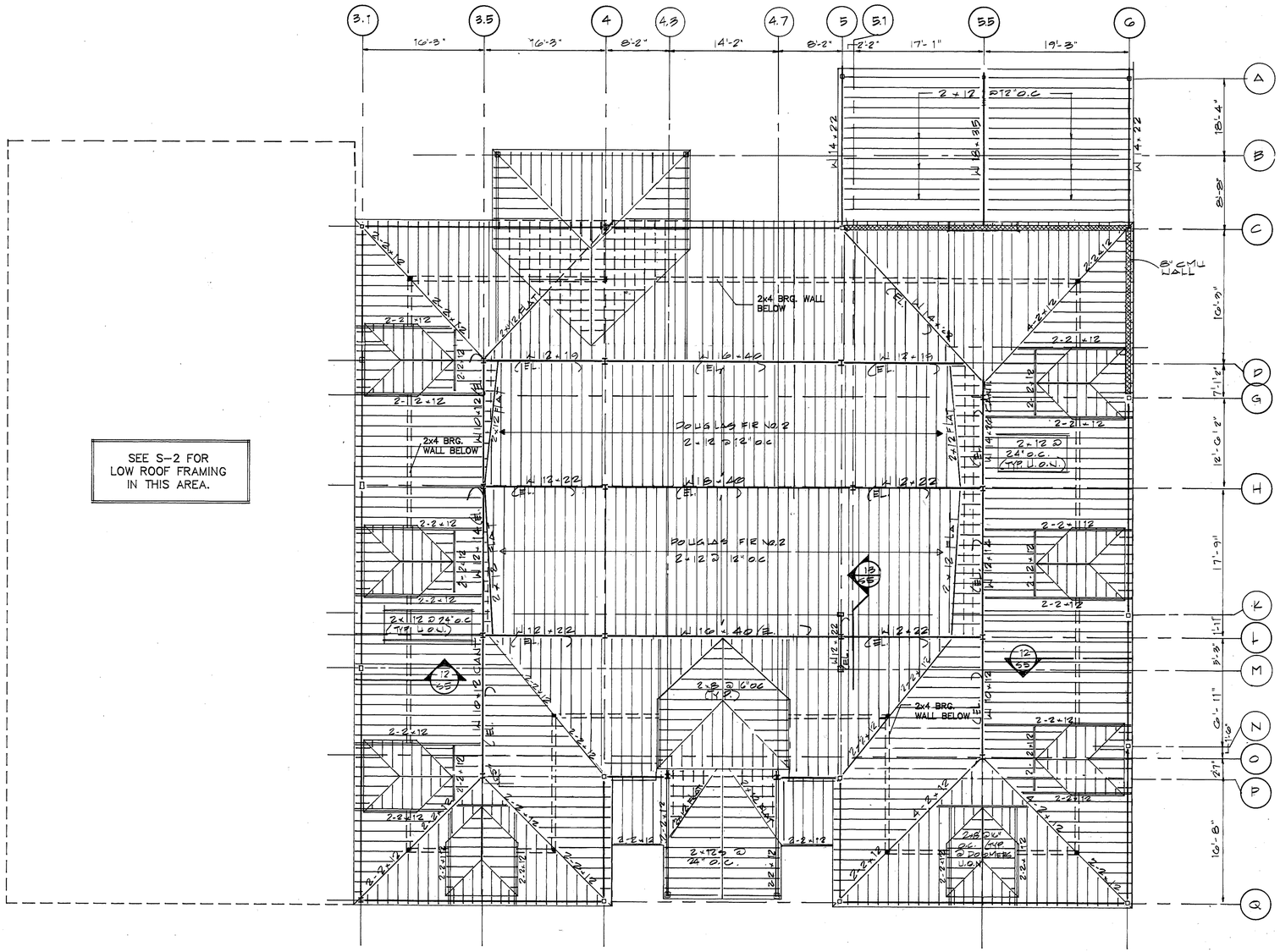
THIRD FLOOR FRAMING PLAN

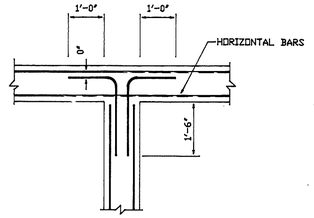
PROJECT NO. 87-96

SCALE :
DRAWN BY:
CHECKED BY:
DATE : AUGUST 1, 1988

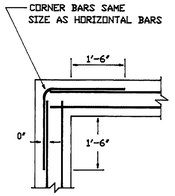
S-3

139497

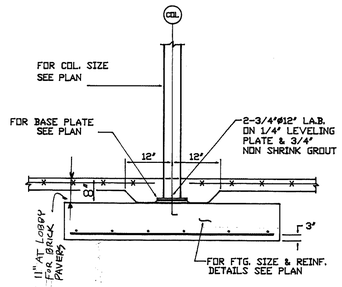

3.1
3.5
4
4.3
4.7
5
5.1
5.5
6
A
B
C
D
G
H
K
L
M
N
O
P
Q
16'-3"
16'-3"
8'-2"
14'-2"
8'-2"
2'-2"
17'-1"
19'-3"
18'-4"
8'-8"
10'-9"
7'-1"
12'-6"
1'-1"
8'-8"
1'-11"
6'-11"
2'-7"
10'-8"
2 x 12 @ 12" O.C.
2 x 12 @ 24" O.C.
2x4 BRG. WALL BELOW
8" CMU WALL
POUGLAS FIR NO.2
2-12 @ 12" O.C.
2-12 @ 24" O.C. TYP U.O.N.
2x12 @ 24" O.C. TYP U.O.N.
2x8 OUT LOOKERS @ DORMERS U.O.N.
2-2x12
2-3x12
2-4x12
2x12 FLAT
2x12 PLANK
W 14x22
W 18x35
W 16x40
W 12x19
W 12x22
W 12x26
W 14x30
W 14x48
W 10x12 GIANT
W 10x14
W 10x19
W 10x49
W 12x14
W 12x16
W 12x40
W 16x26
W 16x31
W 16x36
W 16x45
W 16x57
W 18x40
W 18x46
W 18x50
W 18x55
W 18x60
W 18x65
W 18x71
W 21x44
W 21x50
W 21x55
W 21x62
W 21x68
W 21x73
W 21x83
W 24x55
W 24x62
W 24x68
W 24x76
W 24x84
W 24x94
W 24x103
W 24x117
W 24x131
W 24x146
W 24x162
W 24x176
W 24x192
W 24x207
W 24x229
W 24x250
W 24x279
W 24x306
W 24x335
W 24x370
W 24x408
W 24x450
W 24x492
W 24x535
W 24x583
W 24x629
W 24x677
W 24x720
W 24x768
W 24x817
W 24x866
W 24x919
W 24x976
W 24x1033
W 24x1094
W 24x1146
W 24x1192
W 24x1249
W 24x1300
W 24x1355
W 24x1406
W 24x1461
W 24x1512
W 24x1567
W 24x1618
W 24x1673
W 24x1724
W 24x1779
W 24x1830
W 24x1885
W 24x1936
W 24x1991
W 24x2042
W 24x2097
W 24x2148
W 24x2203
W 24x2254
W



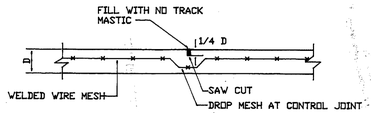
1/S5 WALL INTERSECTION DETAIL
SCALE : 1/2"=1'-0"



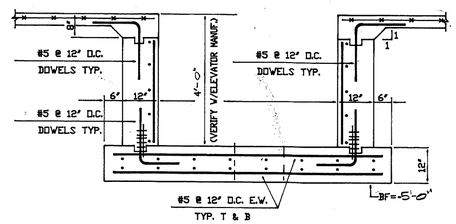
2/S5 TYP. CORNER DETAIL
SCALE : 1/2"=1'-0"



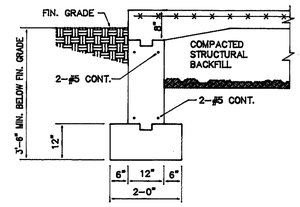
3/S5 TYP. INTERIOR COL. FTG.
SCALE : 1/2"=1'-0"



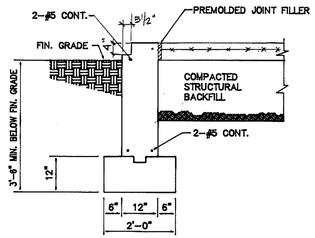
4/S5 CONTROL JOINT DETAIL
SCALE : 1/2"=1'-0"



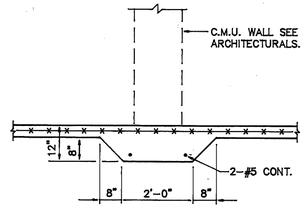
5/S5 SECTION AT ELEVATOR
SCALE : 1/2"=1'-0"



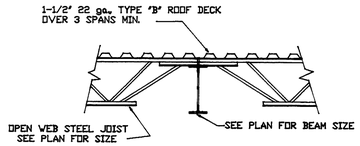
6/S5 DETAIL @ EXTERIOR DOOR
SCALE: 1/2""=1'-0"



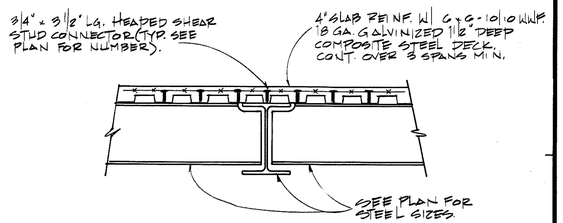
7/S5 TYP. FOUNDATION WALL DETAIL
SCALE: 1/2""=1'-0"



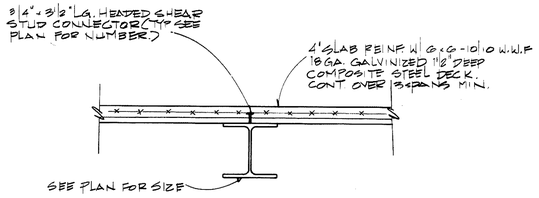
8/S5 THICKENED SLAB
SCALE: 1/2"=1'-0"



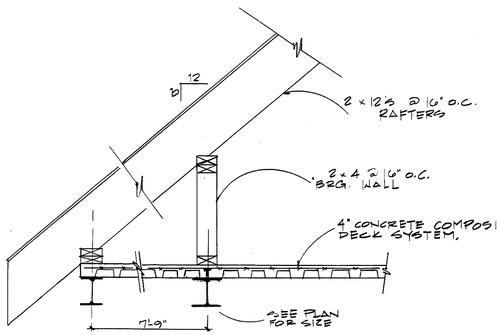
9/S5 SECTION
SCALE 1/2"=1'-0"



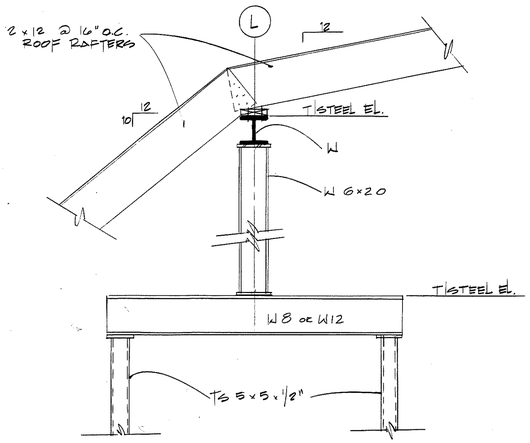
10/S5 TYP. COMPOSITE GIRDER
3/4" = 1'-0"



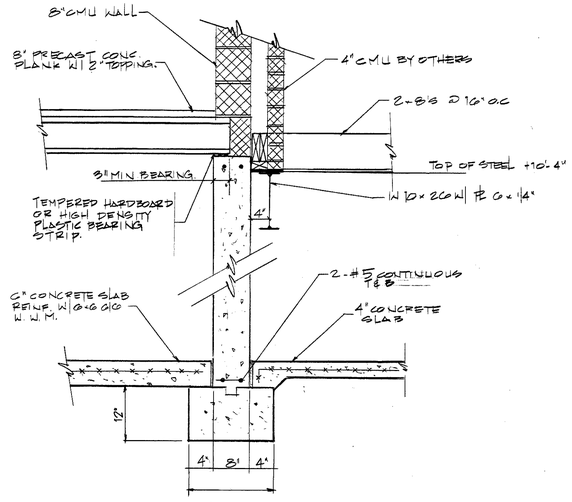
11/S5 TYP. COMPOSITE BEAM
3/4" = 1'-0"



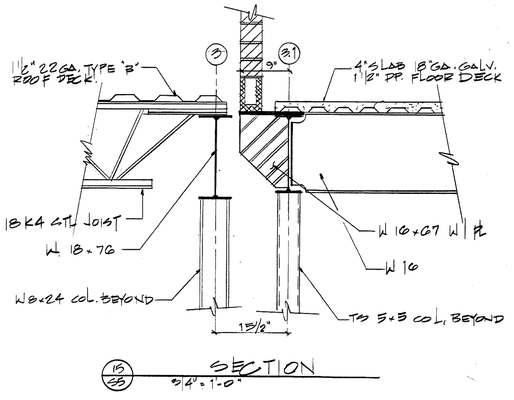
12/S5 SECTION
3/4" = 1'-0"



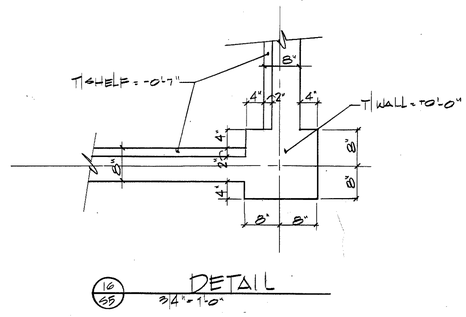
13/S5 SECTION
N.T.S



14/S5 SECTION
3/4" = 1'-0"



13/S5 SECTION
3/4" = 1'-0"



16/S5 DETAIL
3/4" = 1'-0"

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HARTFORD, CT (203)527-6415

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COLCHESTER, CONNECTICUT

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(203) 295-9511

SECTIONS & DETAILS

PROJECT NO. 87-96

SCALE AS NOTED
DRAWN BY:
CHECKED BY:
DATE: AUGUST 1, 1988

S-5

138457

LOUIS LANE

LEBANON AVENUE HYDRANT
FLOW 1200 GPM
RESIDUAL PRESSURE 40 PSI
STATIC PRESSURE 52 PSI
BASED ON WATER TEST DATA TAKEN ON 06/28/88 BY F. BROWN OF COLCHESTER WATER CO., W/ONLY ONE HYDRANT FLOWING AT A TIME. RETEST REQUIRED BY FIRE PROTECTION CONTRACTOR ACCORDING W/NFPA 13. SEE DIVISION 15400

4" DOMESTIC WATER SERVICE, 6" FIRE PROTECTION SERVICE, 5'-0" FROM BLDG. FOR CONTINUATION SEE SITE UTILITY PLAN BY CUMMINGS & LAYFAYETTE

4" WS & R PREINSULATED PIPING EQUIVALENT TO 'EIC-WILL' MODEL CHIL-GUARD AND 1" CW (MAKE-UP)

PROPERTY LINE SEE SITE PLAN

CC-1 CLOSED CIRCUIT COOLER

8'-4½"

5'-0"

10,000 GAL. UNDERGR. STORAGE TANK 23'-4"

5'-0"

6" C.I. SANITARY LINE 5'-0" FROM BLDG. FOR CONSTRUCTION SEE SITE UTILITY PLAN BY CUMMINGS & LAYFAYETTE

MILL STREET HYDRANT
FLOW 1100 GPM
RESIDUAL PRESSURE 44 PSI
STATIC PRESSURE 60 PSI
BASED ON WATER TEST DATA TAKEN ON 06/28/88 BY F. BROWN OF COLCHESTER WATER CO., W/ONLY ONE HYDRANT FLOWING AT A TIME. RETEST REQUIRED BY FIRE PROTECTION CONTRACTOR ACCORDING W/NFPA 13. SEE DIVISION 15400

MILL STREET

MECHANICAL SITE UTILITY PLAN
SCALE: 1" = 40'

10,000 GAL. FIBERGLASS TANK 30'-5" LONG x 7'-1" DIAMETER

9'-1"-0" LONG x 11'-0" WIDE CONC. HOLD-DOWN PAD (BOTTOM)

22" I.D. MANWAY

MANHOLE COVER & FRAME ABOVE

4'-4" x 4'-4" CONC. PAD (TOP)

¾" DRAIN FROM DAY TANK

¾" FILL

1'-6" x 1'-6" CONC. PAD (TOP)

GAUGE LINE IN 2" P.V.C. CONDUIT

½" F.O.S. & F.O.R. (GENERATOR)

½" F.O.S. & ½" F.O.R. (BOILER)

¾" F.O.S. & F.O.R. (WATER HEATER)

2" & 4's EACH SIDE OF OPENING IN SLAB ABOVE

2" & VENT RUN VENT LINE TO BUILDING WALL PROVIDE VAPOR RECOVERY BRICK VENT WITH VENT CAP EQUAL TO EMCO - WHEATON # A84

PLAN

4'-4" LONG x 4'-4" WIDE CONCRETE PAD

4's @ 12" o.c. EA. WAY TOP & BOTTOM.

ELECTRONIC LEVER TYPE FUEL LEVEL GAUGE EQUAL TO PREFERRED UTILITIES MODEL TG-EL-D W/SOLID SATE TRANSDUCER

26" ø M.H. COVER & FRAME

LOCKING FILL BOX PREFERRED UTILITIES TYP 126

PITCH

FINISHED GRADE

4" REINFORCED CONC. PAD (#4's @12oc)

½" F.O.S. & F.O.R. (BOILER)

2" VENT

2" SOUNDING LINE

4'-4" FILL

22" I.D.

½" F.O.S. & ½" F.O.R. (GENERATOR)

¾" F.O.S. & F.O.R. (WATER HEATER)

22" I.D. MANWAY

GAUGE LINE IN 2" P.V.C. CONDUIT

APPROXIMATE LINE OF EXCAVATION

HOLD-DOWN STRAP TYPICAL OF (4)

4's @ 12" O.C. EA. WAY TOP & BOTTOM

10,000 GAL. FIBERGLASS TANK, 30'-5" LONG BY 7'-1" DIAMETER

MIN 45°

APPROXIMATE LINE OF EXCAVATION

1'-0" MIN. STRAP PEA GRAVEL BED.

45° MIN.

PITCH TOP OF CONC. IN DIRECTION SHOWN.

32'-0" LONG x 11'-0" WIDE CONC. HOLD-DOWN PAD

FACTORY INSTALLED CARBON STEEL LADDER

SECTION

FUEL OIL STORAGE TANK DETAIL
N.T.S.

POSITIVE CLOSURE DAMPERS (8" HIGH)

CC-1 - 2'-6" WIDE x 9'-9" LONG x 8'-4" HIGH

FAN LOCATION

3'-6"

PLANTING - SEE ARCHIT. DWGS.

ROAD CURB SEE SITE PLAN

ROAD CURB SEE SITE PLAN

6" CONCRETE PAD

RAILS W/ VIBRATION ISOLATORS BY EQUIPMENT MANUFACTURER

CLOSED CIRCUIT COOLER LOCATION DETAIL
SCALE: 1/4" = 1'-0"

NOTE:
1. SEE SITE PLAN FOR CATCH BASIN ON PIPING SIDE OF CLOSED CIRCUIT COOLER.

LOCKING CAST IRON COVER

FINISH GRADE

CP TEST SERVICES/TEST TERMINAL BLOCK

PVC SHAFT

18"

17 LB. MAGNESIUM ANODE WITH 10' ATTACHED #8 TW DIRECT BURIAL WIRE

#8 TW STRANDED WIRE TYPE

PROVIDE CADWELD CONNECTION TO ALL FUEL OIL SUPPLY & RETURN VENT, GAUGE, SOUNDED LINES AND TO COLD WATER/MAKE-UP TO CLOSED CIRCUIT COOLER

CATHODIC PROTECTION DETAIL
N.T.S.

BUTTERFLY VALVE (TYP.)

BYPASS SERVICE BUTTERFLY VALVE

UNION (TYP.)

CLOSED CIRCUIT COOLER PANEL

CC-1

ACCESS DOOR

4" WS & R (2½" INSUL.) PREINSULATED PIPING W/ALUM. JACKET EQUAL TO RICKWELL, MODEL LOW TEMP. HI-GUARD

BALL VALVE

1" COLD WATER MAKE UP (1½" INSUL.) PREINSULATED PIPING W/ ALUM. JACKET EQUAL TO RICK-WILL MODEL LOW TEMP HI-GUARD W/ HEAT TAPE TO MAINTAIN 45°F BY INTERGY.

6"

TOWER CIRCULATING PUMP

12'-0" LONG x 8'-0" WIDE CONCRETE PAD BY GENR. CONTR. SEE STRUCTURAL DRAWINGS.

2" OVERFLOW TO 6" AFF WITH INSECT SCREEN

2" DRAIN WITH BALL VALVE & VACUUM BREAKER

CLOSE CIRCUIT COOLER PIPING DIAGRAM
N.T.S.

MUNICIPAL OFFICE COMPLEX
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STATE OF CONNECTICUT — REGISTERED ARCHITECTS & ASSOCIATES — CERTIFICATE FOR PRACTICE OF ENGINEERING — No. 24

Peter Abel Inc.
Architects Partners
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21 South Main Street
Marlborough Connecticut 06447-0210
(203) 295-9511

HVAC SITE & UTILITY PLAN

PROJECT NO. 8604

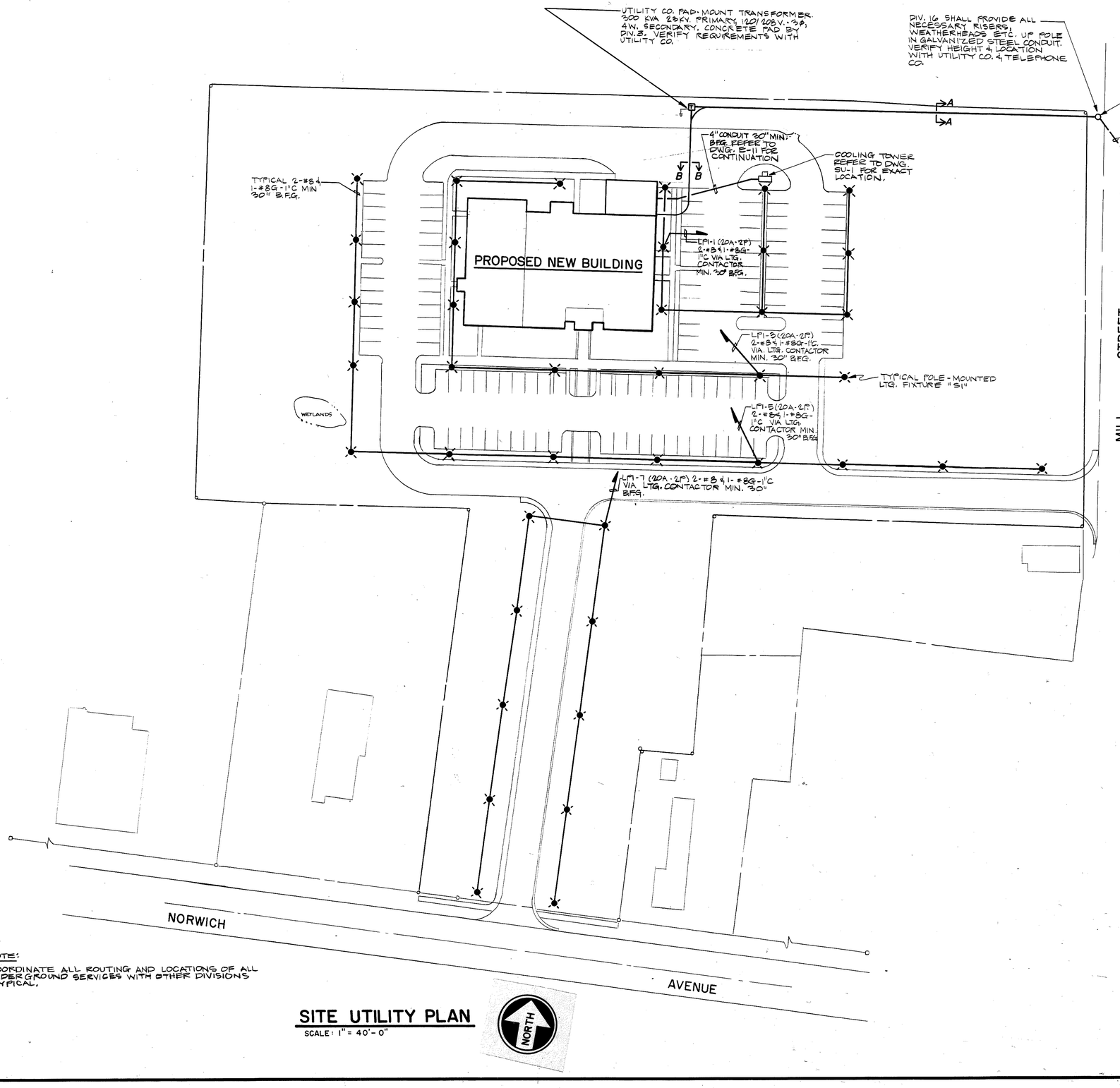
SCALE: AS NOTED

DRAWN BY: G.N.R.

CHECKED BY: D.P.

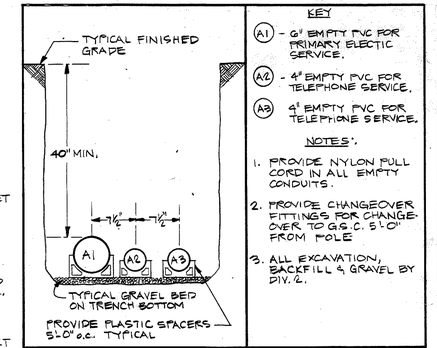
DATE: 8/1/88

SU-1

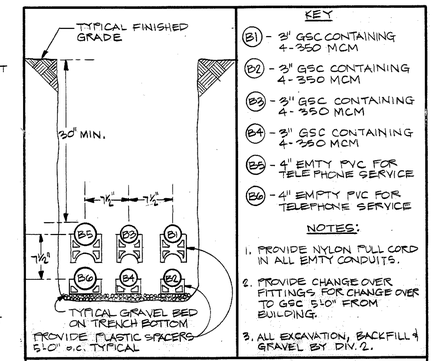


NOTE:
COORDINATE ALL ROUTING AND LOCATIONS OF ALL UNDERGROUND SERVICES WITH OTHER DIVISIONS TYPICAL.

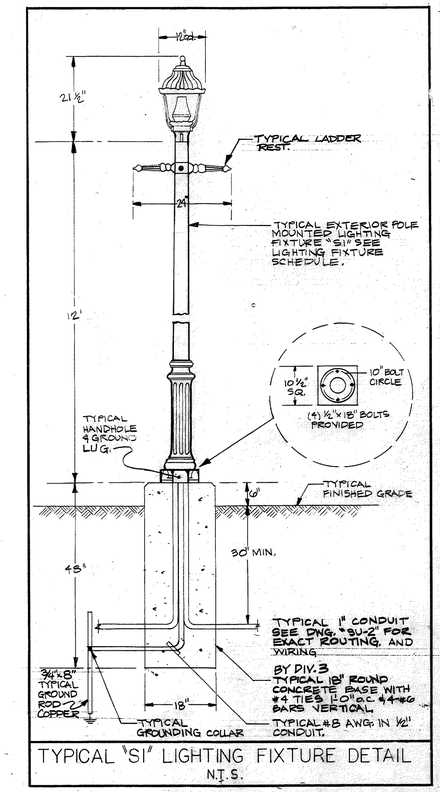
SITE UTILITY PLAN
SCALE: 1" = 40'-0"



SECT. A UNDERGROUND SERVICE DETAIL
N.T.S.



SECT. B UNDERGROUND SERVICE DETAIL
N.T.S.



TYPICAL "S1" LIGHTING FIXTURE DETAIL
N.T.S.

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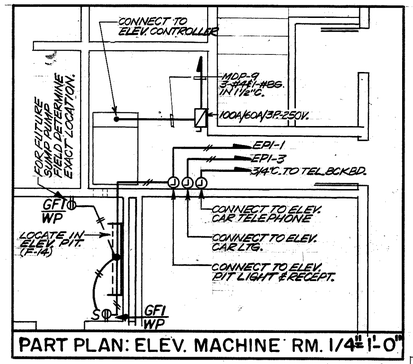
ELECTRICAL SITE UTILITY PLAN

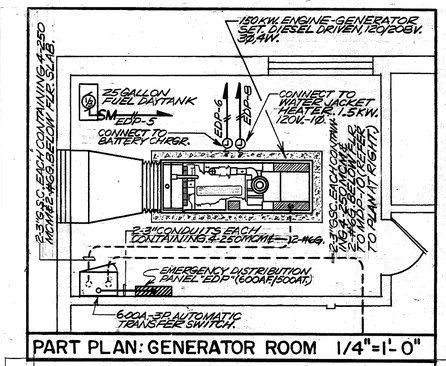
PROJECT NO. 8604

SCALE: AS NOTED
DRAWN BY: MG
CHECKED BY: RML
DATE: 8-1-88

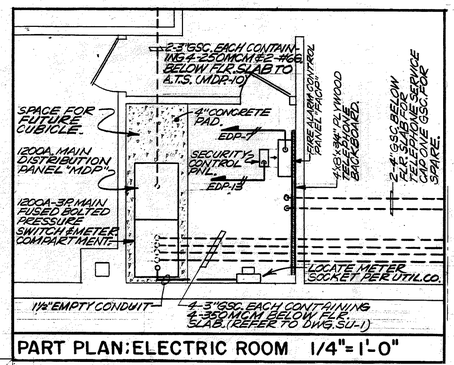
SU-2



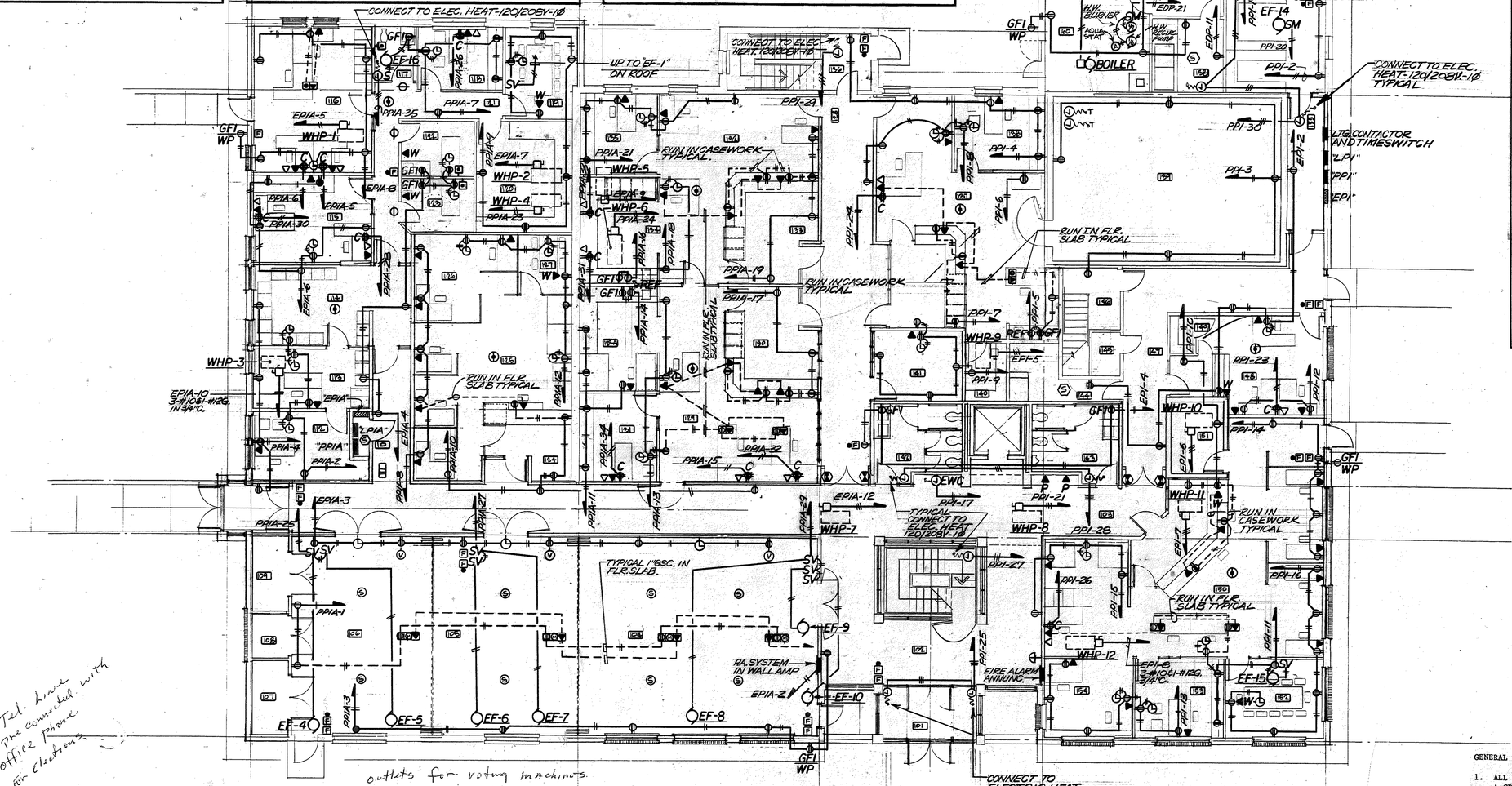
PART PLAN: ELEV. MACHINE RM. 1/4"=1'-0"



PART PLAN: GENERATOR ROOM 1/4"=1'-0"



PART PLAN: ELECTRIC ROOM 1/4"=1'-0"



FIRST FLOOR	
NO.	NAME
101	VESTIBULE
102	LOBBY
103	CORRIDOR 'A'
104	MEETING ROOM NO. 3
105	MEETING ROOM NO. 2
106	MEETING ROOM NO. 1
107	VOTE'G MACH. STOR.
108	CHAIR STORAGE
109	VOT'G MACH. STOR.
110	ELEC. CLOSET
111	PASSAGE
112	OFFICE
113	SEC/RECP'T
114	WAITING
115	DATA/RECP'T
116	NURSES
117	TOILET
118	OFFICE
119	CONFERENCE
120	STORAGE
121	PASSAGE
122	EXAM NO. 1
123	EXAM NO. 2
124	WAITING
125	BOROUGH (DEPT)
126	OFFICE
127	CONFERENCE
128	CORRIDOR 'C'
129	TAX ASSESSOR
130	WAITING
131	OFFICE
129A	WORK ROOM
132	TAX COLLECTOR
133	WAITING
134	WORK ROOM
135	OFFICE
136	STAIR NO. 3
137	TOWN CLERK
138	OFFICE
139	MAIN RECORD VAULT
140	STORAGE
141	REGISTRAR OF VOTERS
142	WOMEN
143	MEN
144	ELEVATOR MACHINE RM.
145	JANITOR
146	STAIR NO. 2
147	CORRIDOR 'B'
148	RESIDENT TROOPER
149	CLOSET
150	CODE ENFORCEMENT
151	STORAGE
152	CONFERENCE
153	OFFICE
154	OFFICE
155	PASSAGE
156	RECEIVING (GENERAL)
157	JANITOR/WATER ENTRANCE
158	ELECTRIC SWITCH RM.
159	GENERATOR ROOM
160	BOILER ROOM

GENERAL NOTES

1. ALL BRANCH CIRCUITS SHALL CONTAIN A GREEN GROUNDING CONDUCTOR #12 AWG. MIN.
2. ALL BRANCH CIRCUITS SHALL BE IN CONDUIT, 3/4" MIN.
3. VERIFY THE EXACT LOCATIONS OF LIGHTING FIXTURES, OUTLETS, MECHANICAL EQUIPMENT PRIOR TO STARTING WORK.
4. ALL COMPUTER OUTLETS SHALL HAVE A SEPARATE GREEN ISOLATED GROUNDING CONDUCTOR #12 MIN.

MUNICIPAL OFFICE COMPLEX
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(203) 295-9511

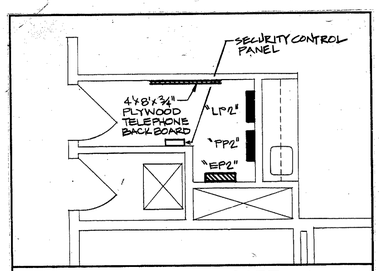
FIRST FLOOR PLAN

ELECTRICAL POWER

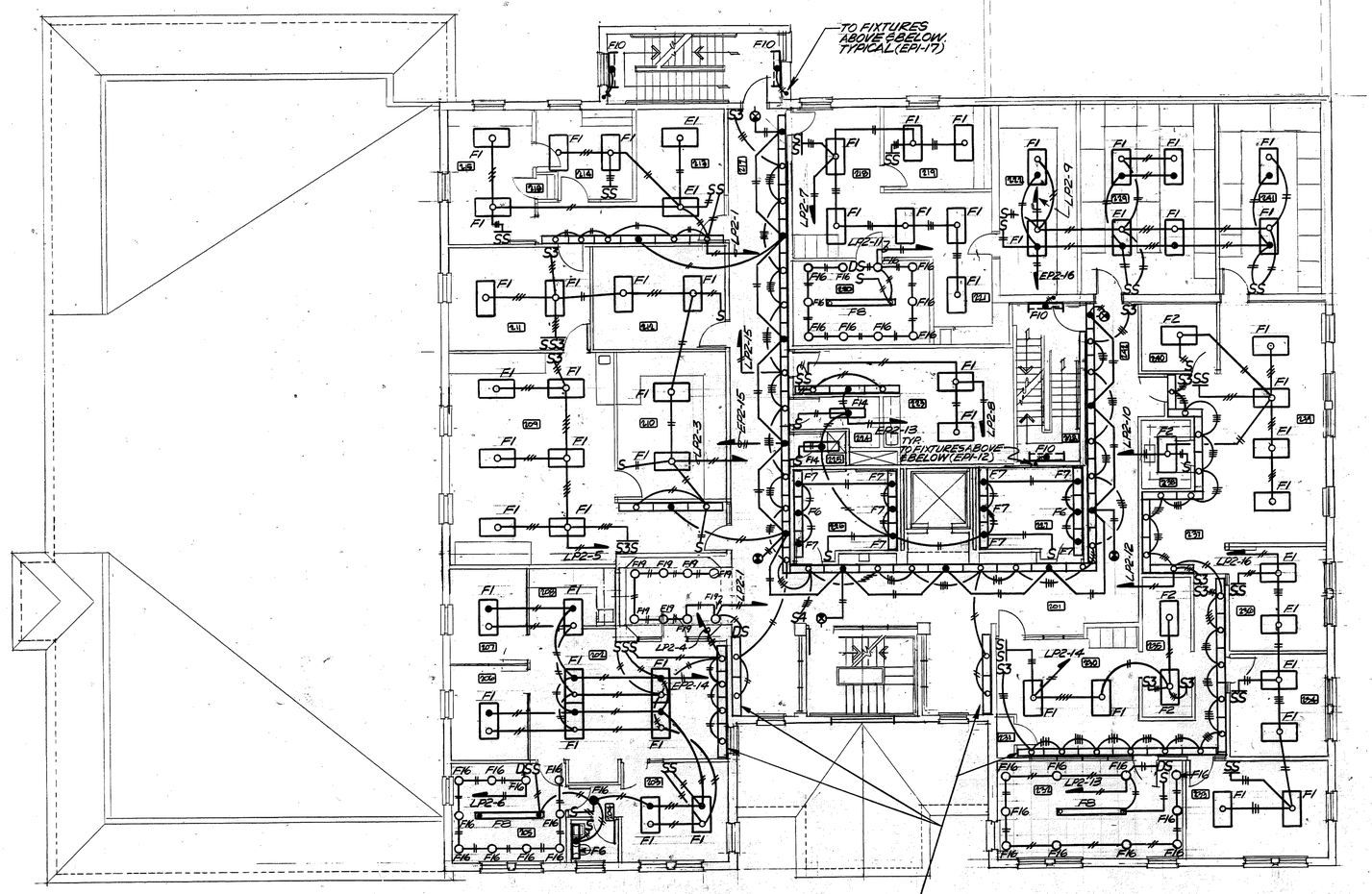
PROJECT NO. 8604

SCALE: 1/8"=1'-0"
DRAWN BY: MG
CHECKED BY: RML
DATE: 8-1-88

E-2



PART PLAN: ELEC. CLOSET 1/4"=1'-0"



TYPICAL FIXTURE TYPES F4 & F5 DIVISION 16 TO FIELD DETERMINE EXACT FIXTURE LENGTHS BASED ON ACTUAL FIELD CONDITIONS PRIOR TO ORDERING FIXTURES (REFER TO LIGHTING FIXTURE SCHEDULE).

NORTH

SECOND FLOOR

NO.	NAME
201	CORRIDOR 'A-1'
202	TOWN ADMINISTRATION
203	SELECTMAN
204	TOILET
205	CONFERENCE
206	OFFICE
207	OFFICE
208	WORK ROOM
209	PAYROLL/ACCOUNTING
210	RECORD STORAGE
211	CONF/FUTURE COMPUTER
212	PHOTOCOPY/STORAGE
213	SEC/RECP'T
214	OFFICE
215	OFFICE
216	CLOSET
217	CORRIDOR 'C-1'
218	SEC/RECP'T (PROBATE)
219	OFFICE
220	CHAMBERS
221	WORK ROOM
222	RECORD STORAGE
223	EMPLOYEE'S LOUNGE
224	ELECTRICAL CLOSET
225	JANITOR CLOSET
226	WOMEN
227	MEN
228	STAIR NO. 2
229	GENERAL RECORD STOR.
230	RECP'T/SEC. (BD. OF ED.)
231	CLOSET
232	CONFERENCE
233	SUPERINTENDENT'S OFF.
234	OFFICE
235	RECORD STORAGE
236	DIRECTOR SPECIAL ED.
237	SEC. SPECIAL ED.
238	WORK ROOM
239	FINANCE/PAYROLL
240	OFFICE
241	RECORD STORAGE
242	CORRIDOR 'B'

GENERAL NOTES

1. ALL BRANCH CIRCUITS SHALL CONTAIN A GREEN GROUNDING CONDUCTOR #12 AWG. MIN.
2. ALL BRANCH CIRCUITS SHALL BE IN CONDUIT, 3/4" MIN.
3. VERIFY THE EXACT LOCATIONS OF LIGHTING FIXTURES, OUTLETS, MECHANICAL EQUIPMENT PRIOR TO STARTING WORK.
4. ALL COMPUTER OUTLETS SHALL HAVE A SEPARATE GREEN ISOLATED GROUNDING CONDUCTOR #12 MIN.

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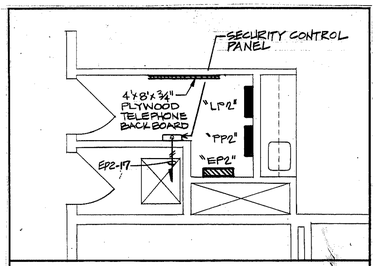
SECOND FLOOR PLAN

ELECTRICAL LIGHTING

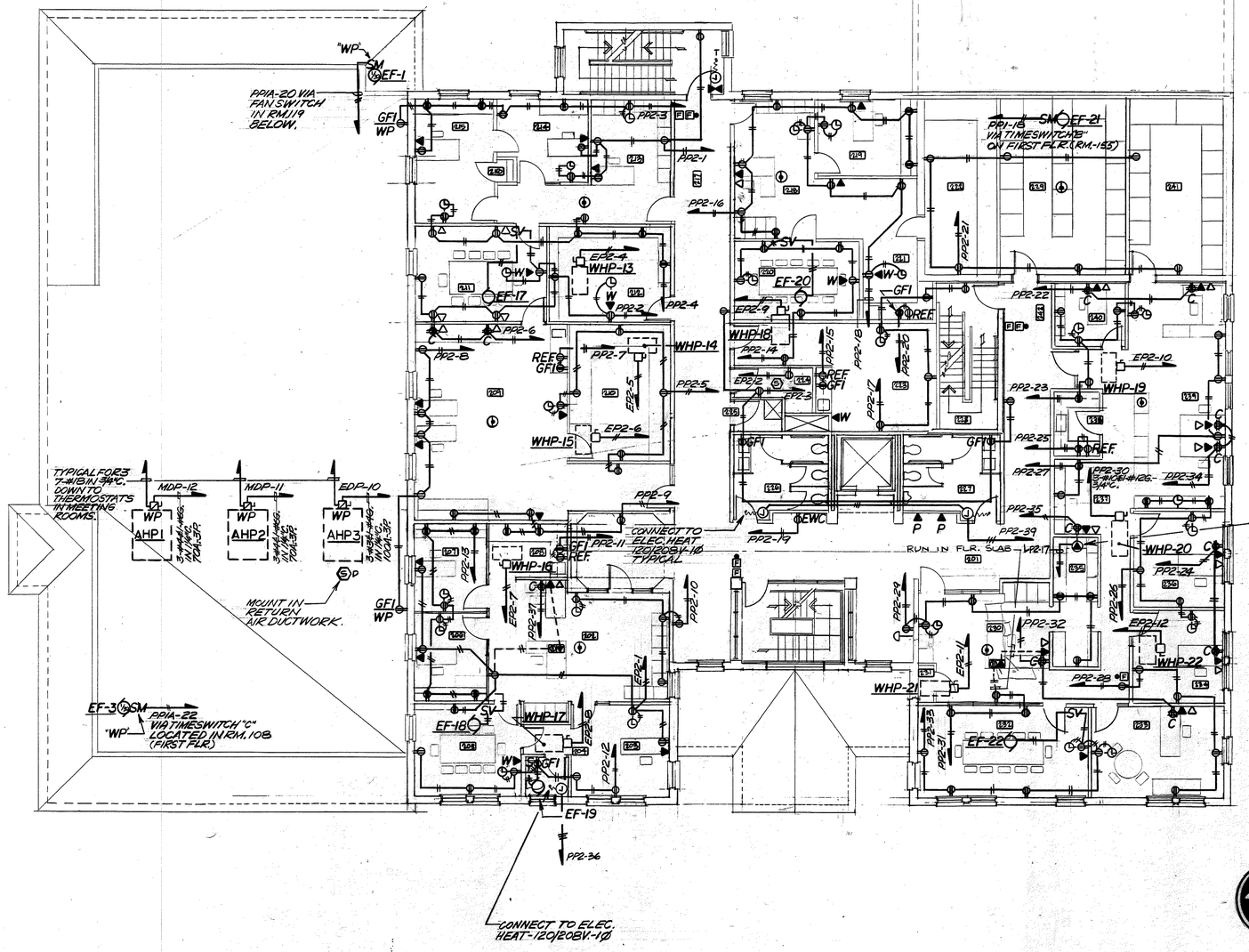
PROJECT NO.
8604

SCALE: 1/8"=1'-0"
DRAWN BY: M.G.
CHECKED BY: R.M.L.
DATE: 8-1-88

E-3



PART PLAN: ELEC. CLOSET 1/4"=1'-0"



SECOND FLOOR	
NO.	NAME
201	CORRIDOR 'A-1'
202	TOWN ADMINISTRATION
203	SELECTMAN
204	TOILET
205	CONFERENCE
206	OFFICE
207	OFFICE
208	WORK ROOM
209	PAYROLL/ACCOUNTING
210	RECORD STORAGE
211	CONF/FUTURE COMPUTER
212	PHOTOCOPY/STORAGE
213	SEC/RECP'T
214	OFFICE
215	OFFICE
216	CLOSET
217	CORRIDOR 'C-1'
218	SEC/RECP'T (PROBATE)
219	OFFICE
220	CHAMBERS
221	WORK ROOM
222	RECORD STORAGE
223	EMPLOYEE'S LOUNGE
224	ELECTRICAL CLOSET
225	JANITOR CLOSET
226	WOMEN
227	MEN
228	STAIR NO. 2
229	GENERAL RECORD STOR.
230	RECP'T/SEC. (BD. OF ED.)
231	CLOSET
232	CONFERENCE
233	SUPERINTENDENT'S OFF.
234	OFFICE
235	RECORD STORAGE
236	DIRECTOR SPECIAL ED.
237	SEC. SPECIAL ED.
238	WORK ROOM
239	FINANCE/PAYROLL
240	OFFICE
241	RECORD STORAGE
242	CORRIDOR 'B'

GENERAL NOTES

1. ALL BRANCH CIRCUITS SHALL CONTAIN A GREEN GROUNDING CONDUCTOR #12 AWG. MIN.
2. ALL BRANCH CIRCUITS SHALL BE IN CONDUIT, 3/4" MIN.
3. VERIFY THE EXACT LOCATIONS OF LIGHTING FIXTURES, OUTLETS, MECHANICAL EQUIPMENT PRIOR TO STARTING WORK.
4. ALL COMPUTER OUTLETS SHALL HAVE A SEPARATE GREEN ISOLATED GROUNDING CONDUCTOR #12 MIN.

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STATE OF CONNECTICUT R.A. GOODELL & ASSOCIATES, INC. No. 24 CORPORATE PRACTICE of ENGINEERING

Peter Abel Inc.
Architects Planners
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Marlborough, Connecticut 06447-0210
(203) 295-9511

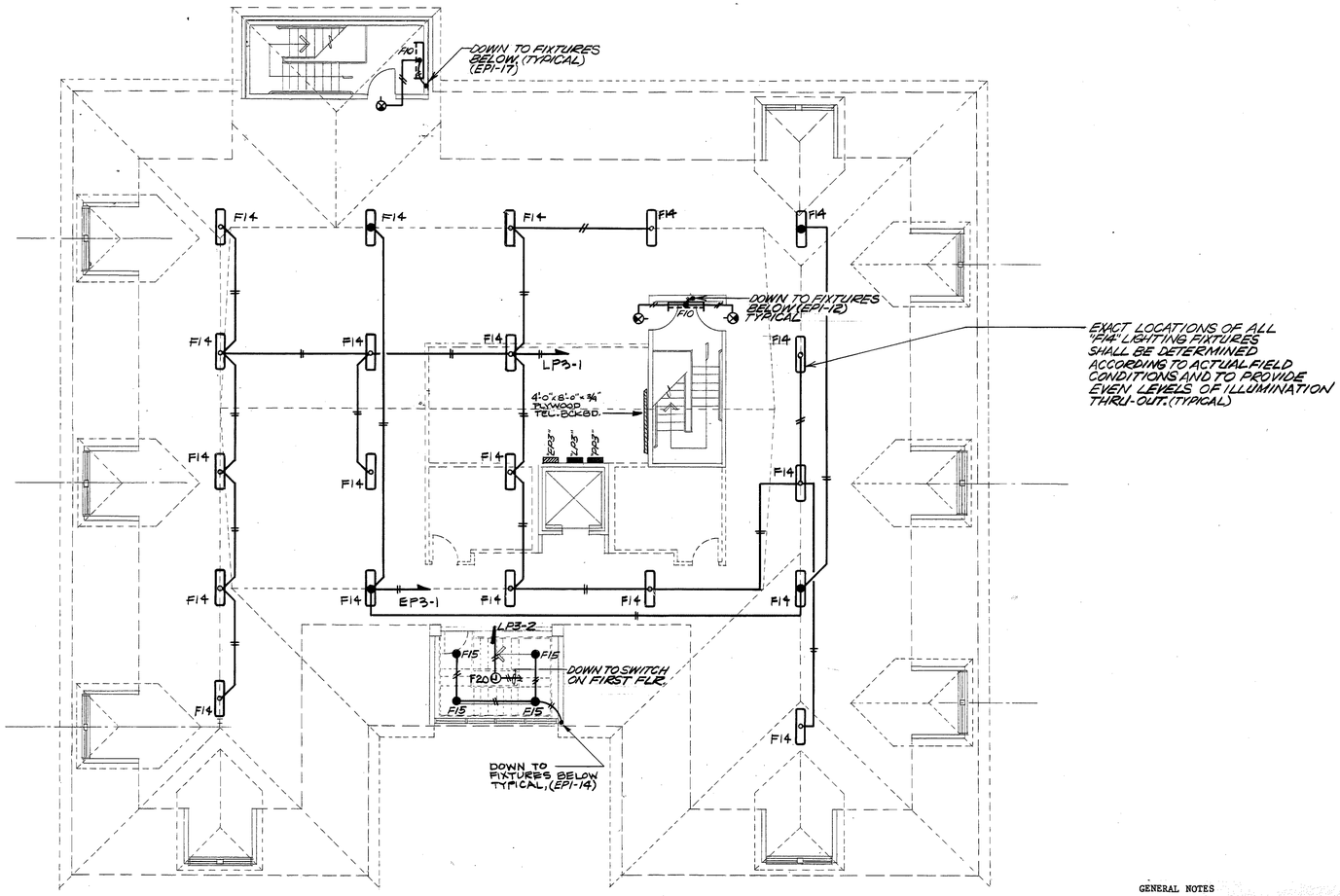
SECOND FLOOR PLAN

ELECTRICAL POWER

PROJECT NO.
8604

SCALE: 1/8"=1'=0"
DRAWN BY: MG
CHECKED BY: RML
DATE: 8-1-88

E-4



GENERAL NOTES

1. ALL BRANCH CIRCUITS SHALL CONTAIN A GREEN GROUNDING CONDUCTOR #12 AWG. MIN.
2. ALL BRANCH CIRCUITS SHALL BE IN CONDUIT, 3/4" MIN.
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NORTH

MUNICIPAL OFFICE COMPLEX
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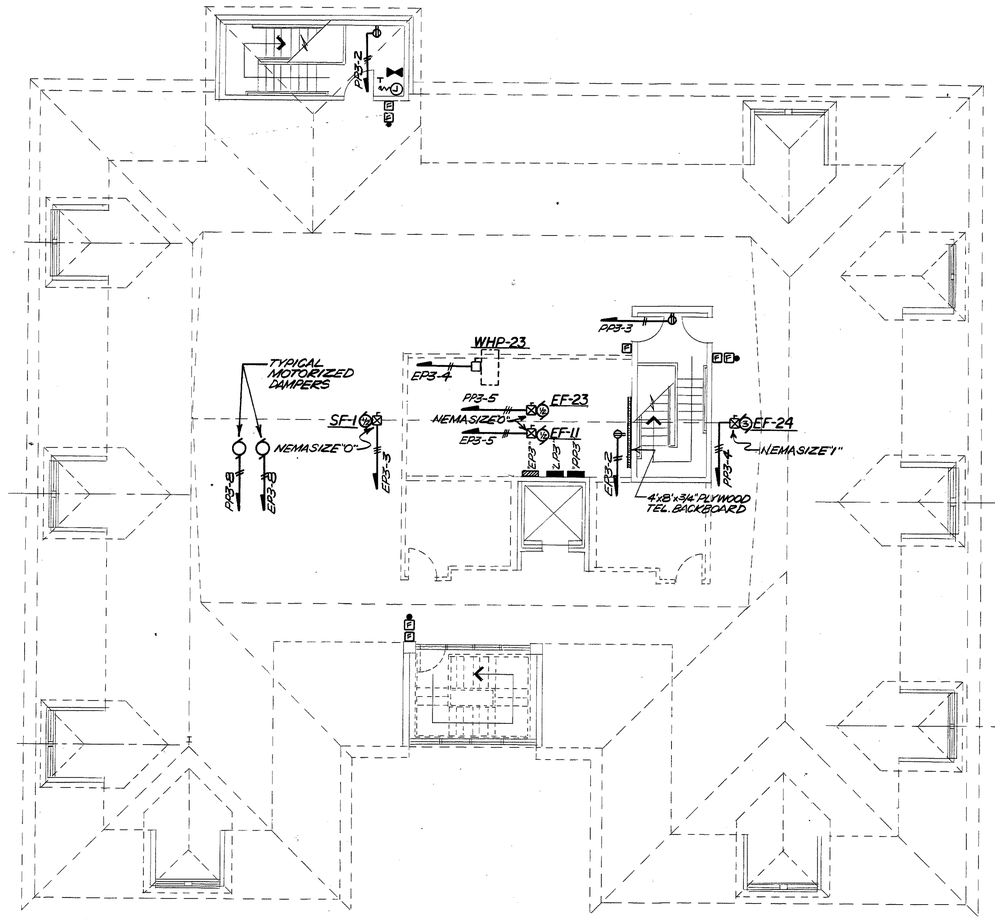
ATTIC FLOOR PLAN

ELECTRICAL LIGHTING

PROJECT NO. 8604

SCALE: 1/8"=1'-0"
DRAWN BY: M.G.
CHECKED BY: R.M.L.
DATE: 8-1-88

E-5



GENERAL NOTES

1. ALL BRANCH CIRCUITS SHALL CONTAIN A GREEN GROUNDING CONDUCTOR #12 AWG. MIN.
2. ALL BRANCH CIRCUITS SHALL BE IN CONDUIT, 3/4" MIN.
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CORPORATE PRACTICE OF ENGINEERING

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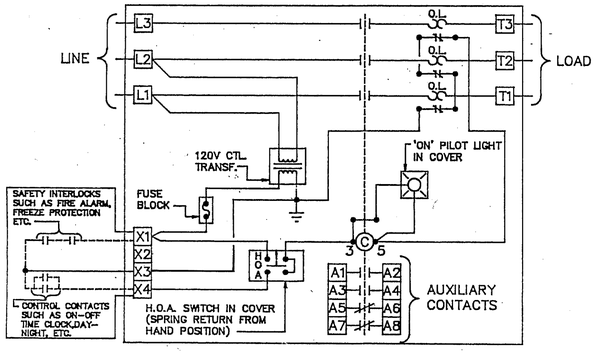
ATTIC FLOOR PLAN

ELECTRICAL POWER

PROJECT NO.
8604

SCALE: 1/8"=1'-0"
DRAWN BY: M.G.
CHECKED BY: R.M.L.
DATE: 8-1-88

E-6



NOTES:

1. Provide 'X' terminal strip labeled as shown and auxiliary contacts for field wiring by the temperature control contractor.
2. Provide the following red label on starters adjacent to the H-O-A switch "WARNING-IN HAND POSITION ALL SAFETY SWITCHES AND INTERLOCKS ARE BY-PASSED - USE FOR CAUTIOUS TESTING ONLY."

TYPICAL MOTOR STARTER WIRING DIAGRAM (MIN. NEMA SIZE 0) N.T.S.

LIGHTING FIXTURE SCHEDULE

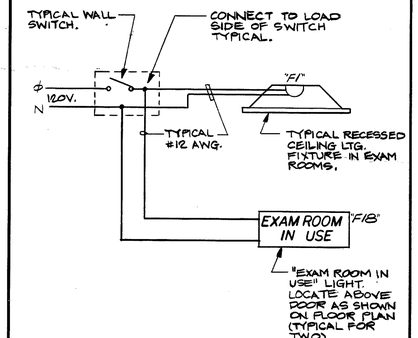
TYPE	MANUFACTURER	CATALOG NO.	LAMP DATA NO.	LAMP DATA WATTS	LAMP DATA TYPE	VOLTS	MOUNTING	NOTES
F1	METALUX	2GSXR-440A	4	34	F34T12	120	RECESSED	1,7
F2	METALUX	2GSXR-340A	3	34	F34T12	120	RECESSED	1,7
F3	TRIMBLEHOUSE	CL1705-150-INC-120-BK-F1	1	150	A-21	120	SURFACE	1
F4	LINEAR LTG.	WWP-WWM SERIES	1	34	F34T12	120	RECESSED	1,2,7
F5	LINEAR LTG.	WWP-WWM SERIES	1	25	F30T12	120	RECESSED	1,2,7
F6	LINEAR LTG.	HSH-140	1	34	F34T12	120	RECESSED	1,7
F7	LINEAR LTG.	HSH-130	1	25	F30T12	120	RECESSED	1,7
F8	COAST	8008-8060-8026	4	34	F34T12	120	PENDANT/CABLE	1,5,7
F9	COAST	8007-8060-8026	2	34	F34T12	120	PENDANT/CABLE	1,5,7
F10	LINEAR LTG.	S1618	2	34	F34T12	120	SURFACE	1,7
F11	LINEAR LTG.	WB-T322	8	34	F34T12	120	SURFACE	1,7
F12	LINEAR LTG.	WB-T321	4	34	F34T12	120	SURFACE	1,7
F13	LINEAR LTG.	RF-5411	2	34	F34T12	120	RECESSED	1,7
F14	PROGRESS	P-7301	2	34	F34T12	120	SURFACE/PENDANT	1,7
F15	PROGRESS	P35-TG-P6620-29	1	75	R30	120	RECESSED	1
F16	PROGRESS	P10-P6601	1	75	R-30	120	RECESSED	1
F17	PROGRESS	P7-P6682-29	1	150	R-40	120	RECESSED	1
F18	MCPHILBEN	30LW-G-EXAM ROOM IN USE-2C2W	2	20	T-6-1/2	120	RECESSED	1,3
F19	PROGESS	P11-TG-P6690-30	1	75	R-30	120	RECESSED	1
F20	CHANDELIER	———	—	—	———	120	———	1,4
S1	TRIMBLEHOUSE	CL1700-150-HPS-208-BK-F2	1	150 HPS	E-17	208	POLE	6
⊗	MCPHILBEN	30LW-6M	2	20	T-6-1/2	120	SURFACE	1
⊗	MCPHILBEN	30LW-6M-AR	2	20	T-6-1/2	120	SURFACE	1
⊗	MCPHILBEN	30LC-6M	2	20	T-6-1/2	120	CEILING	1
⊗	MCPHILBEN	30LC-26M	2	20	T-6-1/2	120	CEILING	1

SYMBOL LIST

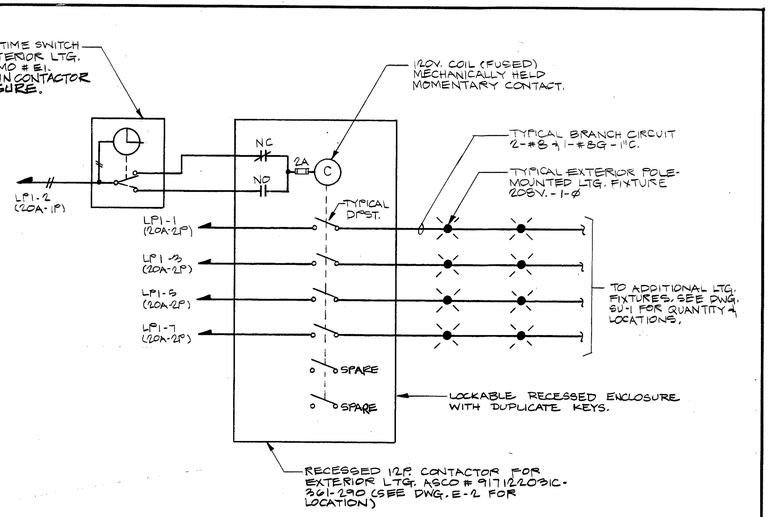
- FLUORESCENT LIGHTING FIXTURES - CEILING MOUNTED
- FLUORESCENT LIGHTING FIXTURE - WALL MOUNTED
- HID/INCANDESCENT LIGHTING FIXTURE -CEILING MOUNTED
- HID/INCANDESCENT LIGHTING FIXTURE - WALL MOUNTED
- ILLUMINATED EXIT SIGN - ARROWS AND FACES PER FLOOR PLANS
- LIGHTING FIXTURES CONNECTED TO EMERGENCY SYSTEM.
- EXTERIOR POLE MOUNTED LIGHTING FIXTURE WITH CONCRETE BASE & GROUND ROD.
- S — SINGLE POLE SWITCH - 20A-125V-48" A.F.F.
- S3 — THREE WAY SWITCH - 20A-125V-48" A.F.F.
- S4 — FOUR WAY SWITCH - 20A-125V-48" A.F.F.
- DS — DIMMER CONTROL SWITCH - 1000W-20A-125V- 48" A.F.F.
- SM — MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD PROTECTION
- DISCONNECT SWITCH - UNFUSED - SIZED PER FLOOR PLANS
- DISCONNECT SWITCH - FUSED - SIZE PER FLOOR PLANS
- COMBINATION MOTOR STARTER DISCONNECT SWITCH - NEMA SIZE PER FLOOR PLANS
- DUPLEX RECEPTACLE - 20A-125V-18" A.F.F.
- DUPLEX RECEPTACLE - 20A-125V-MOUNT ABOVE COUNTER. COORDINATE WITH ARCHITECTURAL DETAILS.
- GFI — DUPLEX RECEPTACLE - 20A-125V WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTION
- DUPLEX RECEPTACLE - 20A-125V-FLOOR MOUNTED
- C — DUPLEX RECEPTACLE WITH INTEGRAL VOLTAGE SURGE SUPPRESSION, ISOLATED GROUND, (SEE SPEC. AND WIRING DIAGRAM BELOW).
- DATA OUTLET-SIMULAR TO TELEPHONE OUTLET BELOW.
- TELEPHONE OUTLET - TWO GANG BOX WITH BUSHED HOLE COVERPLATE, EMPTY CONDUIT UP TO ACCESSIBLE CEILING TERMINATE WITH FIBER BUSHINGS - 18" A.F.F. "P" INDICATES PAYPHONE - 42" A.F.F. "W" INDICATES WALL PHONE - 54" A.F.F.
- TELEPHONE OUTLET - FLOOR MOUNTED
- CLOCK RECEPTACLE - 20A-125V-84" A.F.F.
- S — SPEAKER -, FLUSH CEILING MOUNTED
- M — MICROPHONE OUTLET - FLOOR MOUNTED
- V — REMOTE VOLUME CONTROL - 48" A.F.F.
- F — FIRE ALARM MANUAL PULL STATION - 48" A.F.F.
- F — FIRE ALARM HORN AND LIGHT - 84" A.F.F.
- S — SMOKE DETECTOR - CEILING MOUNTED
- H — HEAT DETECTOR - CEILING MOUNTED
- J — SPRINKLER TAMPER SWITCH CONNECTION
- SPRINKLER FLOW SWITH CONNECTION
- SD — SMOKE DETECTOR - DUCT MOUNTED WITH REMOTE TEST/INDICATING STATION
- MAGNETIC DOOR HOLDBACK DEVICE
- SECURITY SYSTEM ENTRY KEYPAD
- SECURITY SYSTEM PASSIVE INFARED MOTION DETECTOR (CEILING MOUNT)
- SV — VARIABLE SPEED FAN SWITCH FURNISHED BY DIV.15. INSTALLED AND WIRED BY DIV.16
- 2 — MOTOR CONNECTION - NUMERAL WITHIN INDICATES HORSPOWER RATING
- T — TRANSFORMER SIZE PER FLOOR PLANS
- PANELBOARD - RECESSED MOUNTED
- PANELBOARD - SURFACE MOUNTED
- HANDICAP EMERGENCY PULL STATION WITH NYLON PULL CORD - 48" A.F.F.
- HANDICAP EMERGENCY DOME LIGHT WITH SIGNAL. WALL MOUNT OVER DOOR AS SHOWN ON FLOOR PLANS.
- HOMERUN TO PANEL. SLASH MARKS INDICATE NUMBER OF #12AWG CONDUCTORS IN 3/4" CONDUIT (MIN)

1. REFER TO ARCHITECT'S REFLECTED CEILING PLANS AND ELEVATIONS FOR EXACT LOCATION OF LIGHTING FIXTURES.
2. ELECTRICAL CONTRACTOR SHALL FIELD DETERMINE EXACT DIMENSIONS PRIOR TO ORDERING FIXTURES. FIXTURES SHALL BE MADE UP OF 3 FOOT AND 4 FOOT LENGTHS, INSIDE CORNERS & OUTSIDE CORNERS.
3. COORDINATE WITH HANDICAP CALL DOME LIGHT.
4. ELECTRICAL CONTRACTOR SHALL CARRY AN ALLOWANCE OF $800 FOR CHANDELIER TO BE SELECTED BY THE ARCHITECT AND INSTALLED BY DIVISION 16 UNDER THIS PROJECT.
5. PROVIDE FLEX CONNECTOR AS REQUIRED.
6. PROVIDE WITH TRIMBLEHOUSE # RSAMB-12 BLACKROLL WITH GROUND LUG AND "LR2" LADDER REST.
7. ALL FLUORESCENT LAMPS SHALL BE OF THE ENERGY SAVING TYPE AND SHALL BE COOL WHITE.

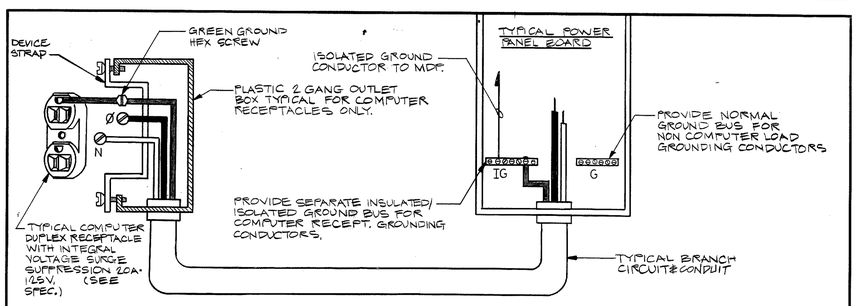
LIGHTING FIXTURE SCHEDULE NOTES



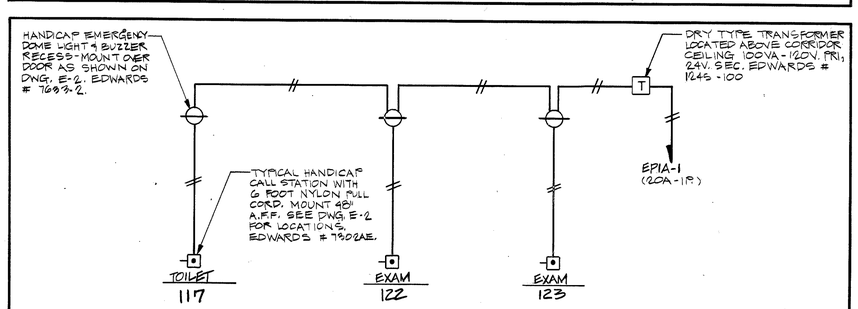
EXAM ROOM LTG. DIAGRAM N.T.S.



EXTERIOR LIGHTING WIRING DIAGRAM N.T.S.



ISOLATED GROUND WIRING DIAGRAM FOR COMPUTER RECEPTACLES C N.T.S.



HANDICAP EMERGENCY CALL SYSTEM WIRING DIAGRAM N.T.S.

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER
NORWICH AVE.
COLCHESTER, CONNECTICUT

R.A. GOODELL & ASSOC., INC.
CONSULTING ENGINEERS
31 CONCORD ST.
GLASTONBURY, CONN. 06033

STATE OF CONNECTICUT R.A. GOODELL & ASSOC., INC. No. 24 REGISTERED PRACTICE OF ENGINEERING

Peter Abel Inc.
Architects/Planners
P.O. Box 210
21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

ELECTRICAL SYMBOLS, SCHEDULE, DIAGRAMS

PROJECT NO. 8604

SCALE: AS NOTED
DRAWN BY: AG
CHECKED BY: MG
DATE: 8-11-88

E-7

DIRECTORY	WATTS L1	WATTS L2	WATTS L3	CKT.	AMPS	AMPS	CKT.	WATTS L1	WATTS L2	WATTS L3	DIRECTORY
SITE LTG.	1500			1	20	20	2	150			TIMESWITCH LTG.
		—		—	—	20	4		600		LTG. - CORRIDOR
SITE LTG.			1700	3	20	20	6			1200	LTG. - VAULT
—	—			—	—	20	8	800			LTG. - TROOPER
SITE LTG.		2250		5	20	20	10		700		LTG. - CORRIDOR
			—			20	12			750	LTG. - CODE
SITE LTG.	1875			7	20	20	14	900			LTG. - CORRIDOR
	—	—		—	—	20	16		1500		LTG. - TOWN CLERK
LTG. - CODE			1500	9	20	20	18			1200	LTG. - TOWN CLERK
LTG. - CODE	850			11	20	20	20	200			LTG. - ENTRANCE-SOUTH
LTG - CODE		850		13	20	20	22		200		LTG. - EAST EXTERIOR
SPARE			—	15	20	20	24			—	SPARE
SPARE	—			17	20	20	26	—			SPARE
SPARE		—		19	20	20	28		—		SPARE
SPARE			—	21	20	20	30			—	SPARE
SUB-TOTAL	4225	3100	3200			N		2050	3000	3350	SUB-TOTAL

VOLTAGE: 120/208-3Φ, 4W.	MAIN BUS 100A.	TOTAL WATTS, L1	6275
MAIN BREAKER: 100 A. FRAME	100 A. TRIP	TOTAL WATTS, L2	6100
MOUNTING: RECESSED		TOTAL WATTS, L3	6350
NOTE:		TOTAL WATTS	18,725

PANEL NO. "LP1"
LOC. RM. 155

MIN. AIC 22,000 AMPS SYMMETRICAL AT 208 VOLTS.

DIRECTORY	WATTS L1	WATTS L2	WATTS L3	CKT.	AMPS	AMPS	CKT.	WATTS L1	WATTS L2	WATTS L3	DIRECTORY
LTG. - CORRIDOR	600			1	20	20	2	900			LTG. - OFFICE
LTG. - STOR. CLOSETS		600		3	20	20	4		1200		LTG. - PUBLIC HEALTH
LTG. CONFER. RM.			1000	5	20	20	6			1300	LTG. - BOROUGH
LTG. ASSESSOR	1300			7	20	20	8	450			LTG. - MEETING RM.
LTG. ASSESSOR		1300		9	20	20	10		900		LTG. - MEETING RM.
LTG. COLLECTOR			1900	11	20	20	12			900	LTG. - MEETING, RM.
LTG. MEETING RM.	900			13	20	20	14	—			SPARE
LTG. MEETING RM.		900		15	20	20	16		300		LTG. - EXTERIOR - WEST
SPARE			—	17	20	20	18			—	SPARE
SPARE	—			19	20	20	20	—			SPARE
SPARE		—		21	20	20	22		—		SPARE
SPARE			—	23	20	20	24			—	SPARE
SPARE	—			25	20	20	26	—			SPARE
SPARE		—		27	20	20	28		—		SPARE
SPARE			—	29	20	20	30			—	SPARE
SUB-TOTAL	2800	2800	2300			N		1250	2400	2200	SUB-TOTAL

VOLTAGE: 120/208-3Φ, 4W.	MAIN BUS 100 A.	TOTAL WATTS, L1	4050
MAIN BREAKER: 100 A. FRAME	100 A. TRIP	TOTAL WATTS, L2	5200
MOUNTING: SURFACE		TOTAL WATTS, L3	4500
NOTE:		TOTAL WATTS	13,750

PANEL NO. "LP1A"
LOC. RM. 110

MIN. AIC 22,000 AMPS SYMMETRICAL AT 208 VOLTS

DIRECTORY	WATTS L1	WATTS L2	WATTS L3	CKT.	AMPS	AMPS	CKT.	WATTS L1	WATTS L2	WATTS L3	DIRECTORY
LTG. - YOUTH SERVICE	1300			1	20	20	2	500			LTG. CORRIDOR A-1
LTG. - PAYROLL ACCOUNT.		1100		3	20	20	4		1100		LTG. - TOWN ADMIN.
LTG. - PAYROLL ACCOUNT.			1000	5	20	20	6			750	LTG. - TOWN CONFER.
LTG. - PROBATE	1200			7	20	20	8	600			LTG. - EMPLOYEE RM.
LTG. - RECORD STOR.		800		9	20	20	10		800		LTG. - EDUCATION
LTG. - PROBATE CONFER.			1000	11	20	20	12			1000	LTG. - EDUCATION
LTG. - EDUCATION	1000			13	20	20	14	600			LTG. - EDUCATION
LTG. - CORRIDOR		1200		15	20	20	16		1000		LTG. - EDUCATION
COPIER - EDUCATION			1000	17	20	20	18			—	SPACE
SPARE	—			19	20	20	20	—			SPARE
SPARE		—		21	20	20	22		—		SPARE
SPARE			—	23	20	20	24			—	SPARE
SPARE	—			25	20	20	26	—			SPARE
SPARE		—		27	20	20	28		—		SPARE
SPARE			—	29	20	20	30			—	SPARE
SUB-TOTAL	3500	3100	3000			N		1700	2900	1750	SUB-TOTAL

VOLTAGE: 120/208-3Φ, 4W.	MAIN BUS 100 A.	TOTAL WATTS, L1	5200
MAIN BREAKER: 100 A. FRAME	100 A. TRIP	TOTAL WATTS, L2	6000
MOUNTING: SURFACE		TOTAL WATTS, L3	4,750
NOTE:		TOTAL WATTS	15,950

PANEL NO. "LP2"
LOC. RM. 224

MIN. AIC 22,000 AMPS SYMMETRICAL AT 208 VOLTS

DIRECTORY	WATTS L1	WATTS L2	WATTS L3	CKT.	AMPS	AMPS	CKT.	WATTS L1	WATTS L2	WATTS L3	DIRECTORY
LTG. - ATTIC	1120			1	20	20	2	500			LTG. - STAIR #1
LTG. - ATTIC		240		3	20	20	4		—		SPARE
SPARE			—	5	20	20	6			—	SPARE
SPARE	—			7	20	20	8	—			SPARE
SPARE		—		9	20	20	10		—		SPARE
SPARE			—	11	20	20	12			—	SPARE
SPARE	—			13	20	20	14	—			SPARE
SPARE		—		15	20	20	16		—		SPARE
SPARE			—	17	20	20	18			—	SPARE
SPARE	—			19	20	20	20	—			SPARE
SPARE		—		21	20	20	22		—		SPARE
SPARE			—	23	20	20	24			—	SPARE
SPARE	—			25	20	20	26	—			SPARE
SPARE		—		27	20	20	28		—		SPARE
SPARE			—	29	20	20	30			—	SPARE
SUB-TOTAL	1120	240	—			N			500	—	SUB-TOTAL

VOLTAGE: 120/208-3Φ, 4W.	MAIN BUS 100 A.	TOTAL WATTS, L1	1620
MAIN BREAKER: 100 A. FRAME	100 A. TRIP	TOTAL WATTS, L2	290
MOUNTING: SURFACE		TOTAL WATTS, L3	—
NOTE:		TOTAL WATTS	1910

PANEL NO. "LP3"
LOC. ATTIC

MIN. AIC 22,000 AMPS SYMMETRICAL AT 208 VOLTS

DIRECTORY	WATTS L1	WATTS L2	WATTS L3	CKT.	AMPS	AMPS	CKT.	WATTS L1	WATTS L2	WATTS L3	DIRECTORY
MOTORIZED DAMPER-GRN	400			1	20	20	2	1000			RECEPT. - RECEIVING
RECEPT. - VAULT		1000		3	20	20	4		1000		RECEPT. - TOWN CLERK
REF. - TOWN CLERK			1200	5	20	20	6			600	COPIER - TOWN CLERK
RECEPT. - TOWN CLERK	600			7	20	20	8	800			RECEPT. - TOWN CLERK
RECEPT. - REGISTRAR		1200		9	20	20	10		1200		RECEPT. - TROOPER
RECEPT. - CODE			1200	11	20	20	12			400	RECEPT. - TROOPER
RECEPT. - CODE	1200			13	20	20	14	1400			RECEPT. - CODE
RECEPT. - CODE		800		15	20	20	16		1200		RECEPT. - CODE
RECEPT. - WATER COOLER			500	17	20	20	18			260	EF-21 VIA TIMESWITCH "B"
EF-13 (RM. 156)	100			19	20	20	20	154			EF-14 VIA TIMESWITCH "B"
—	—	—		—	—	20	22		100		EF-12 VIA TIMESWITCH "B"
WHP-8			4600	21	20	20	24			300	RECEPT. - TOWN CLERK
—			—	—	—	20	26	3400			RECEPT. - CODE
RECEPT. - TROOPER		300		23	20	20	28		750		ELEC. HEAT - TOILETS
ELEC. HEAT - RM 101			1500	25	20	—	—			—	
—	—			—	—	20	30	1000			ELEC. HEAT - 155, 157, 158
ELEC. HEAT - STAIR #1		1000		27	20	—	—			—	
—		—	—	—	—	—	—				
ELEC. HEAT - STAIR #3	1000			29	20	20	32	5000			UNIT HTR - RM. 156
—	—			—	—	—	—				
SPARE			—	31	20	20	34			—	SPARE
SUB-TOTAL	3300	4300	9000			N		9454	4250	1560	SUB-TOTAL

VOLTAGE: 120/208-3Φ-4W.	MAIN BUS 100 A.	TOTAL WATTS, L1	12,754
MAIN BREAKER: 100 A. FRAME	100 A. TRIP	TOTAL WATTS, L2	8550
MOUNTING: RECESSED		TOTAL WATTS, L3	10,560
NOTE: FURNISH WITH ISOLATED GROUND BUS,		TOTAL WATTS	31,864

PANEL NO. "PP1"
LOC. RM, 155

MIN. AIC 22,000 AMPS SYMMETRICAL AT 208 VOLTS

DIRECTORY	WATTS L1	WATTS L2	WATTS L3	CKT.	AMPS	AMPS	CKT.	WATTS L1	WATTS L2	WATTS L3	DIRECTORY
RECEPT. - MEETING RMS.	1200			1	20	20	2	1200			RECEPT. - PUBLIC HEALTH
RECEPT. - MEETING RMS.		1200		3	20	20	4		800		RECEPT. - PUBLIC HEALTH
RECEPT. - PUBLIC HEALTH			300	5	20	20	6			900	RECEPT. - PUBLIC HEALTH
RECEPT. - PUBLIC HEALTH	1000			7	20	20	8	1000			RECEPT. - BOROUGH
RECEPT. - PUBLIC HEALTH		1400		9	20	20	10		1000		RECEPT. - BOROUGH
RECEPT. - ASSESSOR			1200	11	20	20	12			1200	RECEPT. - BOROUGH
RECEPT. - ASSESSOR	1200			13	20	20	14	600			REF. - ASSESSOR
RECEPT. - ASSESSOR		300		15	20	20	16		600		REF. - COLLECTOR
RECEPT. - ASSESSOR			1200	17	20	20	18			400	RECEPT. - COLLECTOR
RECEPT. - COLLECTOR	1400			19	20	20	20	50			EF-1 (ROOF)
RECEPT. - COLLECTOR		1200		21	20	20	22		50		EF-3 (ROOF) VIA TIMECLOCK "C"
WHP-4			2000	23	20	30	24			1800	WHP-6
—	—			—	—	—	—				
EF-4, EF-5		640		25	20	20	26		300		RECEPT. - RM. 118
EF-6, EF-7			640	27	20	20	28			300	RECEPT. - RM. 115
EF-8, EF-9, EF-10	960			29	20	20	30	300			RECEPT. RM. 115
RECEPT. - COLLECTOR		300		31	20	20	32		300		RECEPT. - ASSESSOR
RECEPT. - COLLECTOR			300	33	20	20	34			300	RECEPT. - ASSESSOR
ELEC. HEAT - 117	375			35	20	20	36	—			SPARE
—	—			—	—	20	38		—		SPARE
SPARE			—	37	20	20	40			—	SPARE
SUB-TOTAL	6135	5040	5640			N		3150	3050	5300	SUB-TOTAL

VOLTAGE: 120/208-3Φ, 4W	MAIN BUS 100 A.	TOTAL WATTS, L1	9285
MAIN BREAKER: 100 A. FRAME	100 A. TRIP	TOTAL WATTS, L2	8040
MOUNTING: SURFACE		TOTAL WATTS, L3	10,940
NOTE: FURNISH WITH ISOLATED GROUND BUS,		TOTAL WATTS	28,315

PANEL NO. "PP1A"
LOC. RM, 110

MIN. AIC 22,000 AMPS SYMMETRICAL AT 208 VOLTS

DIRECTORY	WATTS L1	WATTS L2	WATTS L3	CKT.	AMPS	AMPS	CKT.	WATTS L1	WATTS L2	WATTS L3	DIRECTORY
RECEPT. - YOUTH SERVICE	1200			1	20	20	2				
RECEPT. - YOUTH SERVICE		1400		3	20	20	4				
RECEPT. - PAYROLL			1200	5	20	20	6				
REF. - PAYROLL	800			7	20	20	8				
RECEPT. - CORRIDOR		1000		9	20	20	10				
REF. - TOWN ADMIN.			800	11	20	20	12				
RECEPT. - TOWN ADMIN.	1460			13	20	20	14				
REF. - EMPLOYEE RM.		800		15	20	20	16				
RECEPT. - EMPLOYEE RM.			1000	17	20	20	18				
RECEPT. - WATER COOLER	500			19	20	20	20	800			
RECEPT. - RECORD STOR.		1100		21	20	20	22				
RECEPT. - EDUCATION			1400	23	20	20	24				
REF. - EDUCATION	800			25	20	20	26				
RECEPT. - EDUCATION		1000		27	20	20	28				
RECEPT. - EDUCATION			1400	29	20	—	—				
RECEPT. - EDUCATION	800			31	20	30	32				
RECEPT. - EDUCATION		1920		33	20	—	—				
RECEPT. - EDUCATION			300	35	20	20	34				
RECEPT. - TOWN ADMIN.	300			37	20	20	36				
ELEC. HEAT - TOILETS		1000		39	20	20	38				
—	—	—	—	—	—	—	—				
SUB-TOTAL	5860	7720	5900			N		11,142	5575	4064	SUB-TOTAL

VOLTAGE: 120/208-3Φ, 4W.	MAIN BUS 225 A.	TOTAL WATTS, L1	17,000
MAIN BREAKER: 225 A. FRAME	225 A. TRIP	TOTAL WATTS, L2	13,295
MOUNTING: SURFACE		TOTAL WATTS, L3	9964
NOTE: FURNISH WITH ISOLATED GROUND BUS,		TOTAL WATTS	40,259

PANEL NO. "PP2"
LOC. RM. 224

MIN. AIC 22,000 AMPS SYMMETRICAL AT 208 VOLTS

DIRECTORY	WATTS L1	WATTS L2	WATTS L3	CKT.	AMPS	AMPS	CKT.	WATTS L1	WATTS L2	WATTS L3	DIRECTORY
RECEPT. - ATTIC	800			1	20	20	2	1200			RECEPT. - ATTIC
RECEPT. - ATTIC		400		3	20	—	—		—		
—	—	—	—	—	—	20	4			4000	EF-2A
EF-23	400			5	20	—	—				
—	—			—	—	20	6		—		SPARE
SPARE				7	20	20	8			100	MOTORIZED DAMPER
SPARE	—			9	20	20	10	—			SPARE
SPARE		—		11	20	20	12		—		SPARE
SPARE			—	13	20	20	14			—	SPARE
SPARE	—			15	20	20	16	—			SPARE
SPARE		—		17	20	20	18		—		SPARE
SPARE			—	19	20	20	20			—	SPARE
SPARE	—			21	20	20	22	—			SPARE
SPARE		—		23	20	20	24		—		SPARE
SPARE			—	25	20	20	26			—	SPARE
SPARE	—			27	20	20	28	—			SPARE
SPARE		—		29	20	20	30		—		SPARE
SPARE			—	31	20	20	32			—	SPARE
SPARE	—			33	20	20	34	—			SPARE
SPARE		—		35	20	20	36		—		SPARE
SPARE			—	37	20	20	38			—	SPARE
SUB-TOTAL	1700	400	—			N		200	—	4100	SUB-TOTAL

VOLTAGE: 120/208-3Φ, 4W	MAIN BUS 100 A.	TOTAL WATTS, L1	1900
MAIN BREAKER: 100 A. FRAME	100 A. TRIP	TOTAL WATTS, L2	400
MOUNTING: SURFACE		TOTAL WATTS, L3	4100
NOTE: FURNISH WITH ISOLATED GROUND BUS,		TOTAL WATTS	6400

PANEL NO. "PP3"
LOC. ATTIC

MIN. AIC 22,000 AMPS SYMMETRICAL AT 208 VOLTS

DIRECTORY	WATTS L1	WATTS L2	WATTS L3	CKT.	AMPS	AMPS	CKT.	WATTS L1	WATTS L2	WATTS L3	DIRECTORY

VOLTAGE:	MAIN BUS A.	TOTAL WATTS, L1	
MAIN BREAKER: A. FRAME	A. TRIP	TOTAL WATTS, L2	
MOUNTING:		TOTAL WATTS, L3	
NOTE:		TOTAL WATTS	

PANEL NO. NOT USED
LOC.

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER

NORWICH AVE.
COLCHESTER, CONNECTICUT

R.A. GOODELL & ASSOC., INC.
CONSULTING ENGINEERS
31 CONCORD ST.
GLASTONBURY, CONN. 06033

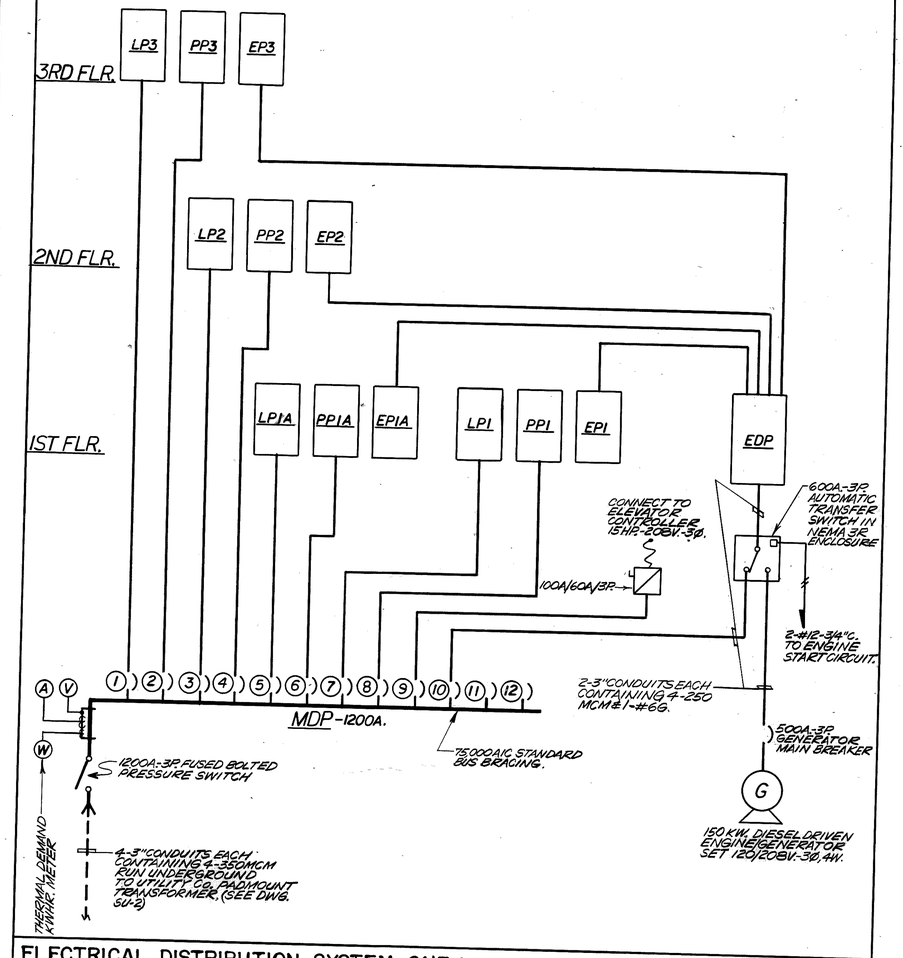
STATE OF CONNECTICUT — GOODELL & ASSOC., INC. — No. 24 — CORPORATE PRACTICE OF ENGINEERING

Peter Abel Inc.
Architects/Planners
P.O. Box 210
21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

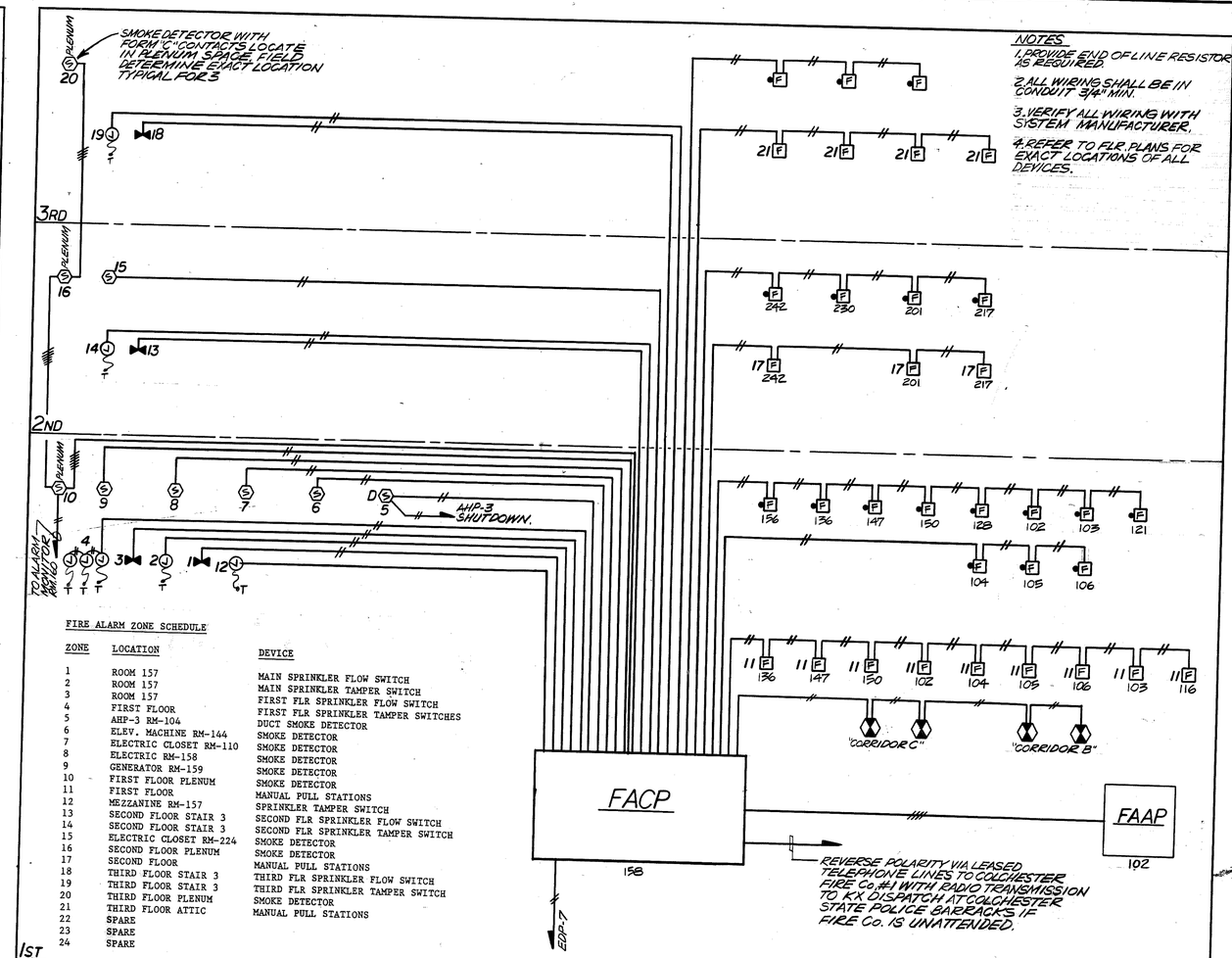
ELECTRICAL SCHEDULES

PROJECT NO. 8604
SCALE: NONE
DRAWN BY: A.G.
CHECKED BY: M.G.
DATE: 8-1-88

E-8



ELECTRICAL DISTRIBUTION SYSTEM ONE LINE DIAGRAM N.T.S.



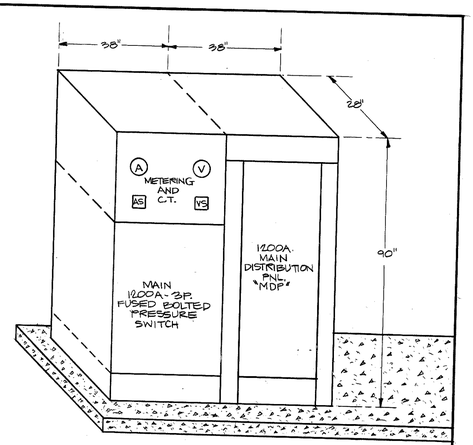
NOTES

1. PROVIDE END OF LINE RESISTOR AS REQUIRED.
2. ALL WIRING SHALL BE IN CONDUIT 3/4" MIN.
3. VERIFY ALL WIRING WITH SYSTEM MANUFACTURER.
4. REFER TO FLR. PLANS FOR EXACT LOCATIONS OF ALL DEVICES.

FIRE ALARM ZONE SCHEDULE

ZONE	LOCATION	DEVICE
1	ROOM 157	MAIN SPRINKLER FLOW SWITCH
2	ROOM 157	MAIN SPRINKLER TAMPER SWITCH
3	ROOM 157	FIRST FLR SPRINKLER FLOW SWITCH
4	FIRST FLOOR	FIRST FLR SPRINKLER TAMPER SWITCHES
5	AHP-3 RM-104	DUCT SMOKE DETECTOR
6	ELEV. MACHINE RM-144	SMOKE DETECTOR
7	ELECTRIC CLOSET RM-110	SMOKE DETECTOR
8	ELECTRIC RM-158	SMOKE DETECTOR
9	GENERATOR RM-159	SMOKE DETECTOR
10	FIRST FLOOR PLENUM	SMOKE DETECTOR
11	FIRST FLOOR	MANUAL PULL STATIONS
12	MEZZANINE RM-157	SPRINKLER TAMPER SWITCH
13	SECOND FLOOR STAIR 3	SECOND FLR SPRINKLER FLOW SWITCH
14	SECOND FLOOR STAIR 3	SECOND FLR SPRINKLER TAMPER SWITCH
15	ELECTRIC CLOSET RM-224	SMOKE DETECTOR
16	SECOND FLOOR PLENUM	SMOKE DETECTOR
17	SECOND FLOOR	MANUAL PULL STATIONS
18	THIRD FLOOR STAIR 3	THIRD FLR SPRINKLER FLOW SWITCH
19	THIRD FLOOR STAIR 3	THIRD FLR SPRINKLER TAMPER SWITCH
20	THIRD FLOOR PLENUM	SMOKE DETECTOR
21	THIRD FLOOR ATTIC	MANUAL PULL STATIONS
22	SPARE	
23	SPARE	
24	SPARE	

FIRE ALARM SYSTEM RISER DIAGRAM N.T.S.



SWITCH BOARD ELEVATION N.T.S.

1200 AMP.

MAIN DISTRIBUTION PANEL SCHEDULE "MDP"

ITEM	DESCRIPTION	BREAKER FRAME	BREAKER TRIP	BREAKER POLES	FEEDER CONDUIT NO.	FEEDER CONDUIT SIZE	FEEDER WIRE NO.	FEEDER WIRE SIZE	GR. WIRE NO.	GR. WIRE SIZE	REMARKS
(1)	PNL."LP3"	1200A.	100A.	3	1	2"	4	#1	1	#6	1910 W.
(2)	PNL."PP3"	1200A.	100A.	3	1	2 1/2"	4	#1	2	#6	6400 W.
(3)	PNL."LP2"	1200A.	100A.	3	1	2"	4	#1	1	#6	14,950 W.
(4)	PNL."PP2"	1200A.	225A.	3	1	3"	4	4/0	2	#4	40,259 W.
(5)	PNL."LP1A"	1200A.	100A.	3	1	2"	4	#1	1	#6	13,750 W.
(6)	PNL."PP1A"	1200A.	100A.	3	1	2 1/2"	4	#1	2	#6	28,315 W.
(7)	PNL."LP1"	1200A.	100A.	3	1	2"	4	#1	1	#6	18,725 W
(8)	PNL."PP1"	1200A.	100A.	3	1	2 1/2"	4	#1	2	#6	31,864 W.
(9)	ELEVATOR (15HP.)	1200A.	100A.	3	1	1 1/2"	3	#4	1	#8	17,400 W.
(10)	PNL."EDP" W/A.T.S.	1200A.	500A.	3	2	3"	8	250 MCM	2	#6	146,700 W.
(11)	SPARE	1200A.	100A.	3	—	—	—	—	—	—	
(12)	SPARE	1200A.	100A.	3	—	—	—	—	—	—	

STANDARD BUS BRACING 75,000A.I.C.
CIRCUIT BREAKERS 22,000A.I.C. SYM.

EMERGENCY DISTRIBUTION PANEL SCHEDULE-600AMP. "EDP"

CIRC.	DESCRIPTION	BREAKER FRAME	BREAKER TRIP	BREAKER POLES	FEEDER CONDUIT NO.	FEEDER CONDUIT SIZE	FEEDER WIRE NO.	FEEDER WIRE SIZE	GR. WIRE NO.	GR. WIRE SIZE	REMARKS
1	PNL."EP1"	600A.	100A.	3	1	2"	4	#1	1	#6	30,600 W.
2	PNL."EP1A"	600A.	100A.	3	1	2"	4	#1	1	#6	31,000 W.
3	PNL."EP2"	600A.	100A.	3	1	2"	4	#1	1	#6	28,700 W.
4	PNL."EP3"	600A.	100A.	3	1	2"	4	#1	1	#6	5,300 W.
5	DAYTANK FUEL PUMP	600A.	20A.	1	1	3/4"	2	#12	1	#12	900 W.
6	BATTERY CHARGER	600A.	20A.	1	1	3/4"	2	#12	1	#12	200 W.
7	FIRE ALARM PANEL	600A.	20A.	1	1	3/4"	2	#12	1	#12	200 W.
8	WATER JACKET HTR.	600A.	20A.	1	1	3/4"	2	#12	1	#12	1500 W.
9	RECEPT.-MECH.RM.	600A.	20A.	1	1	3/4"	2	#12	1	#12	1200 W.
10	AHP-3 (ROOF)	600A.	100A.	3	1	1 1/4"	3	#3	1	#4	18,000 W.
11	RECEPT.-TEL.EQ.	600A.	20A.	1	1	3/4"	2	#12	1	#12	200 W.
12	LTG.-GEN. RM.	600A.	20A.	1	1	3/4"	2	#12	1	#12	1200 W.
13	SECURITY PNL.	600A.	20A.	1	1	3/4"	2	#12	1	#12	200 W.
14	COOLING TOWER	600A.	70A	3	1	4"	3	#4	1	#6	15,100 W.
15	HEAT TRACE-CT.	600A.	20A.	1	↓	↓	2	#12	1	#12	1600 W.
16	RECEPT.-COOL.TOW.	600A.	20A.	1	↓	↓	2	12	1	#12	300 W.
17	H.P. CONTROL PNL.	600A.	20A.	1	1	3/4"	2	12	1	#12	100 W.
18	BOILER	600A.	20A.	1	1	3/4"	2	12	1	#12	500 W.
19	CIRC. PUMP-P1	600A.	20A.	3	1	3/4"	3	#12	1	#12	2,900 W.
20	CIRC. PUMP-P2	600A.	20A.	3	1	3/4"	3	#12	1	#12	2,900 W.
21	H.W. HTR. PUMPS	600A	20A.	1	1	3/4"	2	#12	1	#12	1100 W.
22	UNIT HTR-GEN.RM.	600A.	20A.	2	1	3/4"	2	#12	1	#12	3000 W.
23	SPARE	600A	20A.	3	—	—	—	—	—	—	—

FURNISH WITH MAIN CIRCUIT BREAKER (600AF/500AT.) & NEMA 3R ENCLOSURE.
MIN. A/C 42,000 A/C. SYM. AT 208V.

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER

NORWICH AVE.
COLCHESTER, CONNECTICUT

R.A. GOODELL & ASSOC., INC.
CONSULTING ENGINEERS
31 CONCORD ST.
GLASTONBURY, CONN. 06033

STATE OF CONNECTICUT — R. GOODELL & ASSOC. INC. — No. 24 — REGISTERED PROFESSIONAL ENGINEER — STATE PRACTICE OF ENGINEERING

Peter Abel Inc.
Architects Planners
P O Box 210
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Marlborough, Connecticut 06447-0210
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ELECTRICAL DIAGRAMS & SCHEDULES

PROJECT NO. 8604

SCALE: NONE
DRAWN BY: M.G.
CHECKED BY: R.M.L.
DATE: 8-1-88

E-9

DIRECTORY	WATTS LOAD L1	L2	L3	CKT.	AMPS	L1 L2 L3	AMPS	CKT.	WATTS LOAD L1	L2	L3	DIRECTORY
ELEV. PIT LTG.& RECEPT.	900			1	20		20	2	1200			RECEPT.-CORRIDOR
ELEV. CAR LTG.		400		3	20		20	4		600		RECEPT.-TOILETS
WHP-9	4600			5	30		30	6	4600			WHP-10
WHP-11	4600			7	30		30	8	5000			WHP-12
LTG.-CORRIDOR			1100	9	20		20	10			1200	LTG.-VAULT
LTG. TROOPER	800			11	20		20	12	1200			LTG. STAIR #2
LTG. TOILETS		600		13	20		20	14		1200		LTG. STAIR #1
LTG. CORRIDOR			800	15	20		20	16			1200	LTG. - ENTRY
LTG.-STAIR #3	1200			17	20		20	18				SPARE
SPARE				19	20		20	20				SPARE
SPARE				21	20		20	22				SPARE
SUB-TOTAL	11,500	1000	1900			N			17,000	1800	12400	SUB-TOTAL

VOLTAGE: 120/208-3Φ, 4W.	MAIN BUS 100 A.	TOTAL WATTS, L1	23,500	PANEL NO.	"EP1"
MAIN BREAKER: 100 A. FRAME 100 A. TRIP		TOTAL WATTS, L2	2800		
MOUNTING: RECESSED		TOTAL WATTS, L3	4300	LOC.	RM. 155
NOTE:		TOTAL WATTS	30,600		

MIN. AIC 22,000 AMPS SYMETRICAL AT 208 VOLTS

DIRECTORY	WATTS LOAD L1	L2	L3	CKT.	AMPS	L1 L2 L3	AMPS	CKT.	WATTS LOAD L1	L2	L3	DIRECTORY
HANDICAP CALL SYSTEM	100			1	20		20	2	200			PA SYSTEM-MEETING RM.
RECEPT.-MEETING RMS.		1200		3	20		20	4		1400		RECEPT.-PUBLIC HEALTH
WHP-1			2800	5	30		20	6			1200	RECEPT.-PUBLIC HEALTH
WHP-2		1900		7	20		20	8	1200			RECEPT.-PUBLIC HEALTH
WHP-5	2000			9	20		30	10			5300	WHP-3
LTG.-PUBLIC HEALTH			1200	11	20		30	12			4600	WHP-7
LTG.-PUBLIC HEALTH	1900			13	20							
LTG.-ASSESSOR		800		15	20		20	14		1200		LTG.-CORRIDOR
LTG.-MEETING RM.			1300	17	20		20	16			1000	LTG. MEETING RM.
LTG.-MEETING RM.	1700			19	20		20	18	000			LTG. MEETING RM.
SPARE				21	20		20	20				SPARE
SPARE				23	20		20	22				SPARE
SUB-TOTAL	4700	3900	5300			N			2400	2600	12,100	SUB-TOTAL

VOLTAGE: 120/208-3Φ, 4W.	MAIN BUS 100 A.	TOTAL WATTS, L1	7100	PANEL NO.	"EP1A"
MAIN BREAKER: 100 A. FRAME 100 A. TRIP		TOTAL WATTS, L2	6500		
MOUNTING: SURFACE		TOTAL WATTS, L3	17,400	LOC.	RM. 110
NOTE:		TOTAL WATTS	31,000		

MIN. AIC 22,000 AMPS SYMETRICAL AT 208 VOLTS

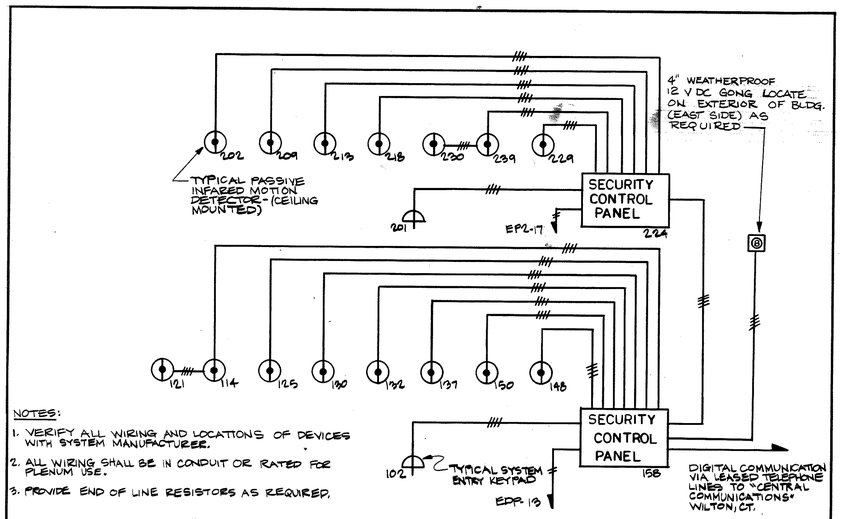
DIRECTORY	WATTS LOAD L1	L2	L3	CKT.	AMPS	L1 L2 L3	AMPS	CKT.	WATTS LOAD L1	L2	L3	DIRECTORY
RECEPT.-TOWN ADMIN.	1400			1	20		20	2	200			RECEPT.-TEL. EQUIP.
RECEPT.-ELEC. RM.		1000		3	20		20	4		2000		WHP-13
WHP-14			2800	5	30							
WHP-16	2800			7	30		20	6	2000			WHP-15
WHP-18				9	30		20	8			2000	WHP-17
WHP-21			2800	11	30		30	10		2800		WHP-19
LTG. ELEC. RM.		800		13	20		20	12	2000			WHP-22
LTG. CORRIDOR			900	15	20		20	14			1200	LTG. TOWN ADMIN.
SECURITY PNL	200			17	20		20	16	800			LTG. RECORD STOR.
SPARE				19	20		20	18				SPARE
SPARE				21	20		20	20				SPARE
SUB-TOTAL	4400	4600	6500			N			5000	4800	3200	SUB-TOTAL

VOLTAGE: 120/208-3Φ, 4W.	MAIN BUS 100 A.	TOTAL WATTS, L1	9400	PANEL NO.	"EP2"
MAIN BREAKER: 100 A. FRAME 100 A. TRIP		TOTAL WATTS, L2	9400		
MOUNTING: SURFACE		TOTAL WATTS, L3	9700	LOC.	RM. 224
NOTE:		TOTAL WATTS	28,700		

MIN. AIC 22,000 AMPS SYMETRICAL AT 208 VOLTS

HEAT PUMP CONNECTION SCHEDULE

UNIT	KVA	VOLTAGE	FLA	DISCONNECT SIZE	BRANCH CIRCUIT	CIRCUIT BREAKER
WHP-1	2.8	208V-1PH.	13.1A	30/NF/2P.-250V.	2-#12&1-#12G.-3/4"C.	30A-2P.
WHP-2	1.9	208V-1PH.	9.1A	30/NF/2P.-250V.	2-#12&1-#12G.-3/4"C.	20A-2P.
WHP-3	5.3	208V-3PH.	14.7A	30/NF/3P.-250V.	3-#10&1-#10G.-3/4"C.	30A-3P.
WHP-4	2	208V-1PH.	9.1A	30/NF/2P.-250V.	2-#12&1-#12G.-3/4"C.	20A-2P
WHP-5	2	208V-1PH.	9.1A	30/NF/2P.-250V.	2-#12&1-#12G.-3/4"C.	20A-2P.
WHP-6	2.8	208V-1PH.	13.1A	30/NF/2P.-250V.	2-#12&1-#12G.-3/4"C.	30A-2P.
WHP-7	1.6	208V-3PH.	12.8A	30/NF/3P.-250V.	3-#12&1-#12G.-3/4"C.	30A-3P.
WHP-8	1.6	208V-3PH.	12.8A	30/NF/3P.-250V.	3-#12&1-#12G.-3/4"C.	30A-3P.
WHP-9	1.6	208V-3PH.	12.8A	30/NF/3P.-250V.	3-#12&1-#12G.-3/4"C.	30A-3P.
WHP-10	1.6	208V-3PH.	12.8A	30/NF/3P.-250V.	3-#12&1-#12G.-3/4"C.	30A-3P.
WHP-11	1.6	208V-3PH.	12.8A	30/NF/3P.-250V.	3-#12&1-#12G.-3/4"C.	30A-3P.
WHP-12	5	208V-3PH.	13.8A	30/NF/3P.-250V.	3-#10&1-#12G.-3/4"C.	30A-3P.
WHP-13	2	208V-1PH.	9.1	30/NF/2P.-250V.	2-#12&1-12G.-3/4"C.	20A-2P.
WHP-14	2.8	208V-1PH.	13.1A	30/NF/2P.-250V.	2-#12&1-#12G.-3/4"C.	30A-2P.
WHP-15	2	208V-1PH.	9.1A	30/NF/2P.-250V.	2-#12&1-#12G.-3/4"C.	20A-2P.
WHP-16	2.8	208V-1PH.	13.1A	30/NF/2P.-250V.	2-#12&1-#12G.-3/4"C.	30A-2P.
WHP-17	2	208V-1PH.	9.1A	30/NF/2P.-250V.	2-#12&1-#12G.-3/4"C.	20A-2P.
WHP-18	2.8	208V-1PH.	13.1A	30/NF/2P.-250V.	2-#12&1-#12G.-3/4"C.	30A-2P.
WHP-19	2.8	208V-1PH.	13.1A	30/NF/2P.-250V.	2-#12&1-#12G.-3/4"C.	30A-2P.
WHP-20	5	208V-3PH.	13.8A	30/NF/3P.-250V.	3-#10&1-#12G.-3/4"C.	30A-3P.
WHP-21	2.8	208V-1PH.	13.1A	30/NF/2P.-250V.	2-#12&1-#12G.-3/4"C.	30A-2P.
WHP-22	2	208V-1PH.	9.1A	30/NF/2P.-250V.	2-#12&1-#12G.-3/4"C.	20A-2P.
WHP-23	2.8	208V-1PH.	13.1A	30/NF/2P.-250V.	2-#12&1-#12G.-3/4"C.	30A-2P.
AHP-1	12.25	208V-3PH.	34A	60A/60A/3P.-250V.	3-#4&1-#6G.- 1-1/4"C.	70A-3P.
AHP-2	12.25	208V-3PH.	34A	60A/60A/3P.-250V.	3-#4&1-#6G.- 1-1/4"C.	70A-3P.
AHP-3	18	208V-3PH.	50A	100A/80A/3P.-250V.	3-#3&1-#4G.- 1-1/4"C.	100A-3P.



NOTES:
1. VERIFY ALL WIRING AND LOCATIONS OF DEVICES WITH SYSTEM MANUFACTURER.
2. ALL WIRING SHALL BE IN CONDUIT OR RATED FOR PLENUM USE.
3. PROVIDE END OF LINE RESISTORS AS REQUIRED.

SECURITY SYSTEM RISER DIAGRAM N.T.S.

DIRECTORY	WATTS LOAD L1	L2	L3	CKT.	AMPS	L1 L2 L3	AMPS	CKT.	WATTS LOAD L1	L2	L3	DIRECTORY
LTG.-ATTIC	400			1	20		20	2	200			RECEPT.-TEL EQUIP.
SE-1			900	3	20		30	4		2800		WHP-23
EF-11			900	5	20		20	6				SPARE
SPARE				7	20		20	8		100		MOTORIZED DAMPER
SPARE				9	20		20	10				SPARE
SPARE				11	20		20	12				SPARE
SPARE				13	20		20	14				SPARE
SPARE				15	20		20	16				SPARE
SPARE				17	20		20	18				SPARE
SPARE				19	20		20	20				SPARE
SPARE				21	20		20	22				SPARE
							20	24				SPARE
							20	26				SPARE
							20	28				SPARE
SUB-TOTAL	400		1800			N			200	2900		SUB-TOTAL

VOLTAGE: 120/208V.-3Φ,4W	MAIN BUS 100 A.	TOTAL WATTS, L1	600	PANEL NO.	"EP3"
MAIN BREAKER: 100 A. FRAME 100 A. TRIP		TOTAL WATTS, L2	2900		
MOUNTING: SURFACE		TOTAL WATTS, L3	1800	LOC.	ATTIC
NOTE:		TOTAL WATTS	5300		

MIN. AIC 22,000 AMPS SYMETRICAL AT 208 VOLTS

MUNICIPAL OFFICE COMPLEX
TOWN OF COLCHESTER
NORWICH AVE.
COLCHESTER, CONNECTICUT

R.A.GOODELL & ASSOC., INC.
CONSULTING ENGINEERS
31 CONCORD ST.
GLASTONBURY, CONN. 06033

STATE OF CONNECTICUT
R. A. GOODELL & ASSOC. INC.
No. 24
REGISTERED PRACTICE OF ENGINEERING

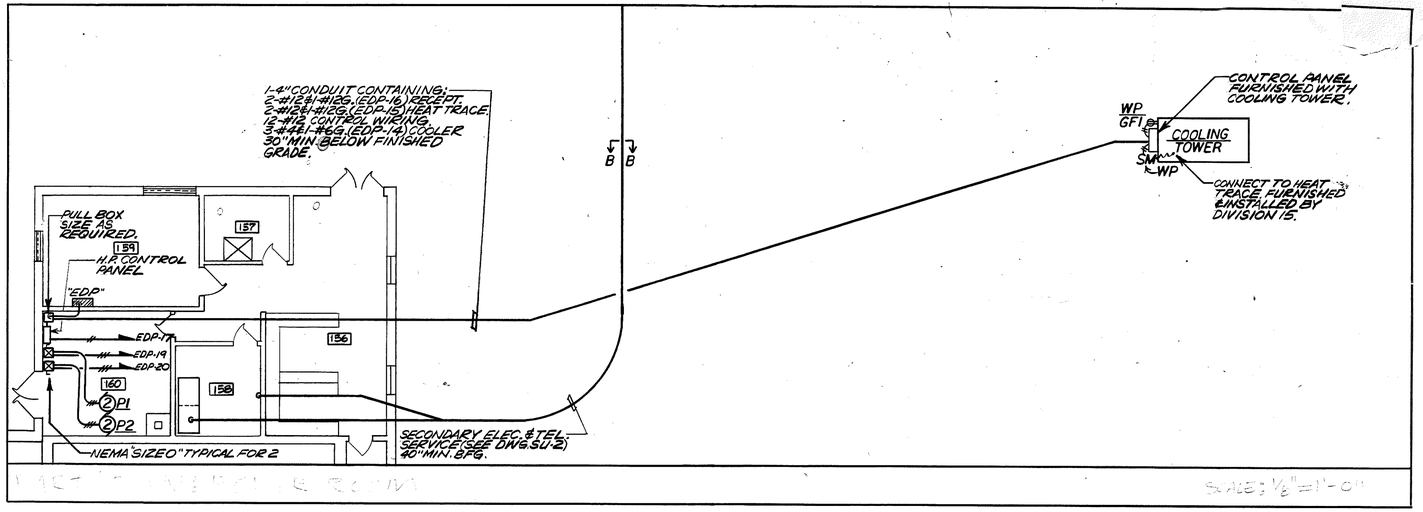
Peter Abel Inc.
Architects Planners
P.O. Box 210
21 South Main Street
Marlborough, Connecticut 06447-0210
(203) 295-9511

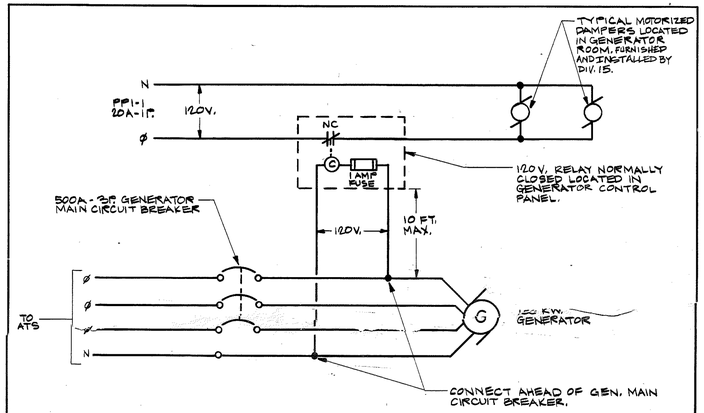
ELECTRICAL SCHEDULES

PROJECT NO. 8604

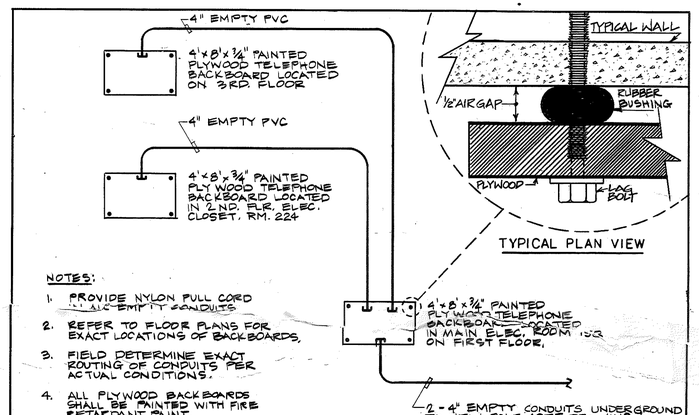
SCALE: NONE
DRAWN BY: A.G.
CHECKED BY: M.G.
DATE: 8-1-88

E-10

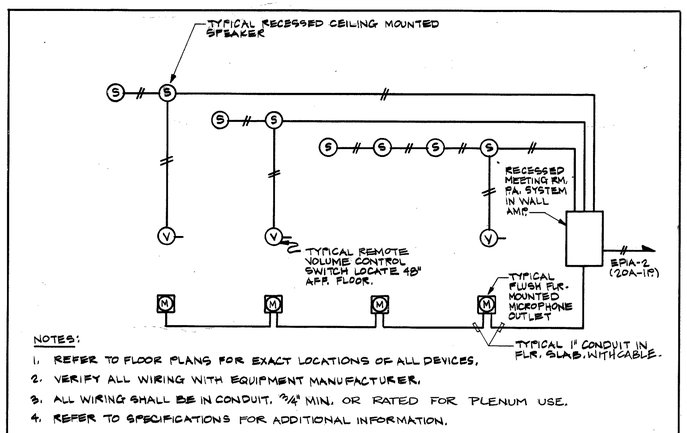




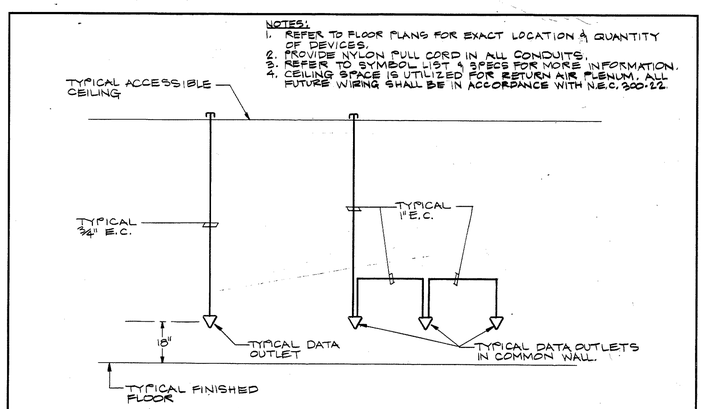
MOTORIZED DAMPER CONTROL DIAGRAM (GENERATOR ROOM) N.T.S.



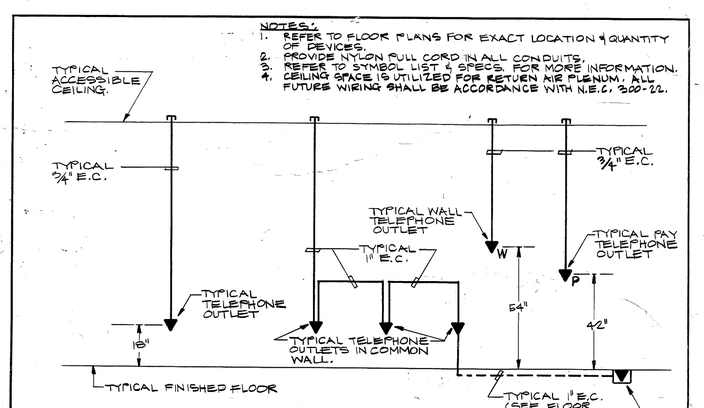
TELEPHONE BACKBOARD RISER DIAGRAM N.T.S.



MEETING RM. PUBLIC ADDRESS SYSTEM RISER DIAGRAM N.T.S.



TYPICAL FUTURE DATA SYSTEM RISER DIAGRAM N.T.S.



TYPICAL FUTURE TELEPHONE SYSTEM RISER DIAGRAM N.T.S.

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ELECTRICAL DIAGRAMS & DETAILS

PROJECT NO. 8604

SCALE: AS NOTED
DRAWN BY: A.G.
CHECKED BY: M.G.
DATE:

E-11