NEWARK, NEW JERSEY

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	SUPPLIMENTAL DRAWINGS

DISTRIBUTION

TABULATION

L.U. DESIG.	NO. OF ROOMS SEE L.U.	NO. OF L.U. TYPICAL	L.U.	TOTAL ROOM	NUMBER OF ROOMS	APT TYPE 1 BR	2 BR	3 BR
A	6½	23	23	126.5	138			23
B	5	23	23	115.0	92		23	
C	5	23	23	115.0	92		23	
D	6½	23	23	126.5	138			23
E	5	23	23	115.0	92		23	
F	4	23	23	92.0	46	23		
G	4½	23	23	103.5	92		23	
H	4	23	23	92.0	46	23		
I	5	23	23	115.0	92		23	
BUILDING TOTAL		207		1,087.0	828	46	115	46
PROFESSIONAL SUITES				810 SQ.FT.				
COMMUNITY ROOM ETC.				864 SQ.FT.				
TENANT PARKING				104 CARS				

STATISTICS AND TABULATION OF AREAS

BUILDING HEIGHT - 25 STORIES - 243'-6"

BUILDING COVERAGE - TOWER: 9,090 SQ.FT. GARAGE 18,450 SQ.FT. TOTAL: 27,540 SQ.FT.

BUILDING VOLUME TOWER 2,070,709 CU.FT. GARAGE 162,205 CU.FT. TOTAL: 2,243,914 CU.FT.

OUTDOOR RECREATION AREA - ACTIVE 2,515 SQ.FT. PASSIVE 1,233 SQ.FT.

PERCENTAGE OF LOT OCCUPIED: 26%

FLOOR AREA RATIO: 5.91

DENSITY - PERSONS PER ACRE - 985.7

TOTAL AREA OF SITE 30,553 SQ. FT. OR 0.84 ACRES

AREA COVERED BY RESIDENTIAL BUILDING 9,090 SQ.FT.

AREA COVERED BY PARKING 18,450 SQ.FT.

GROSS FLOOR AREA (RESIDENCE) 216,085 SQ.FT.

ARCHITECT: _____

OWNER: _____

CONTRACTOR: _____

MORTGAGEE: _____

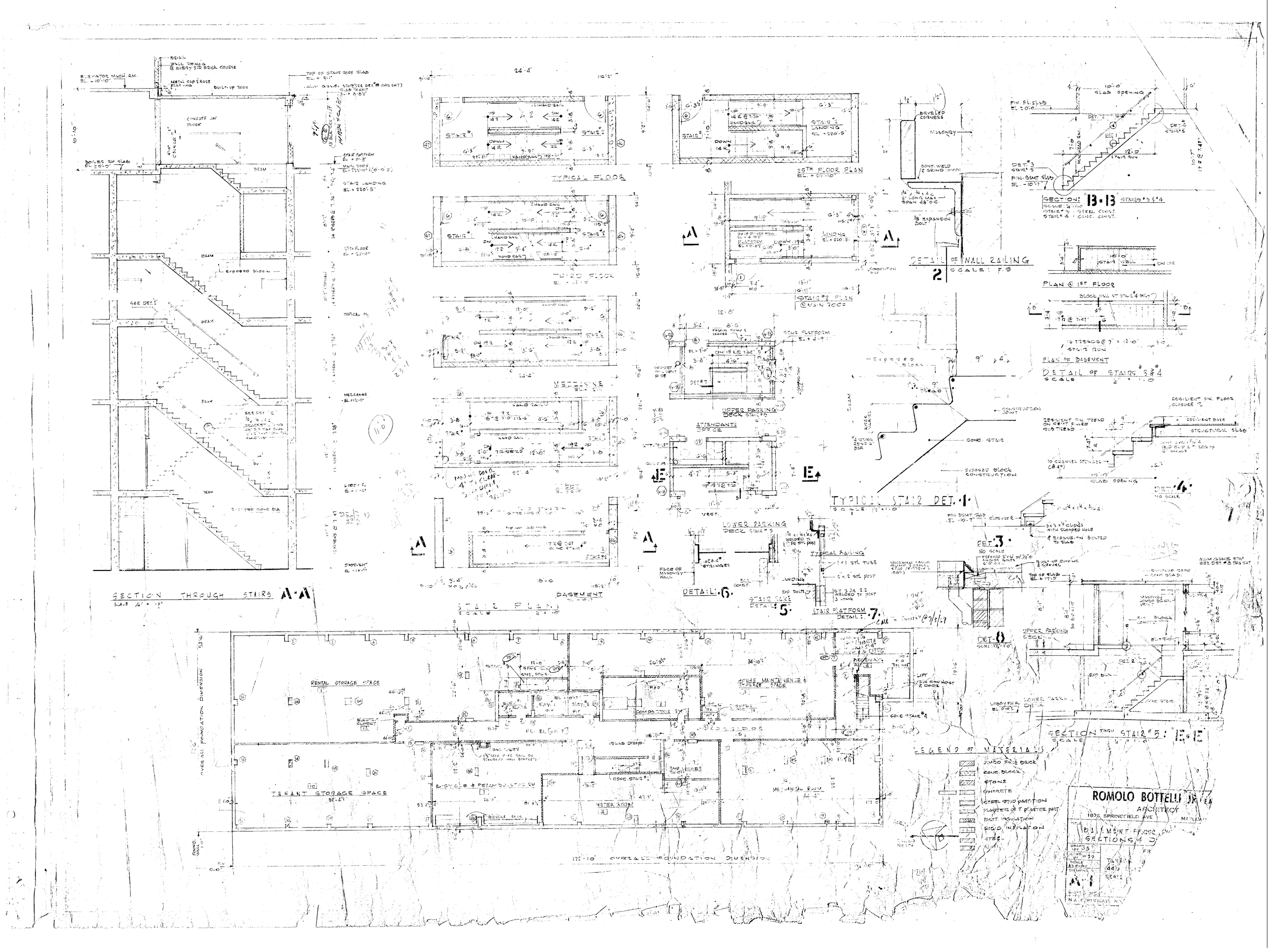
BY _____ TITLE

BY _____ TITLE

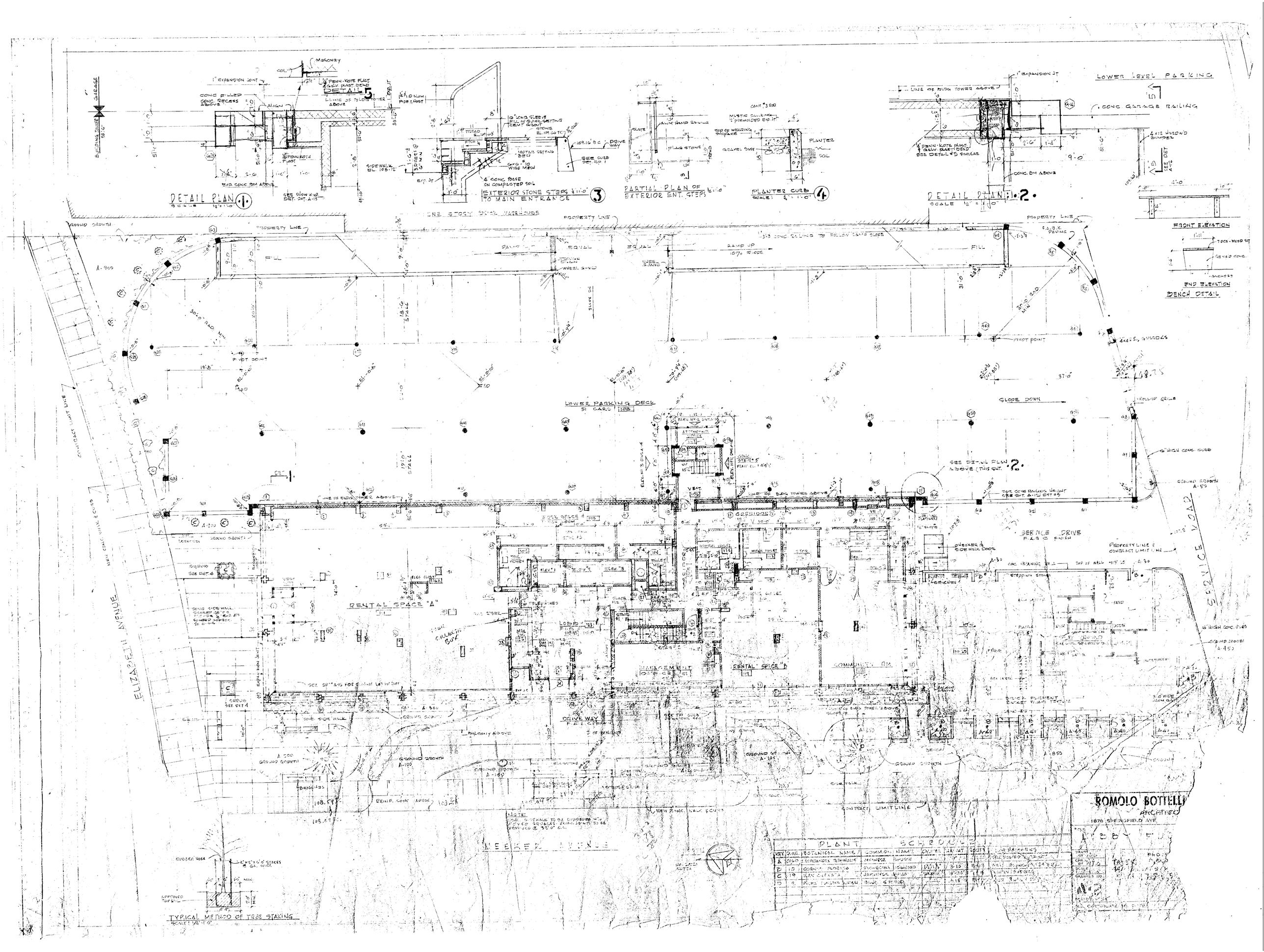
BY _____ TITLE

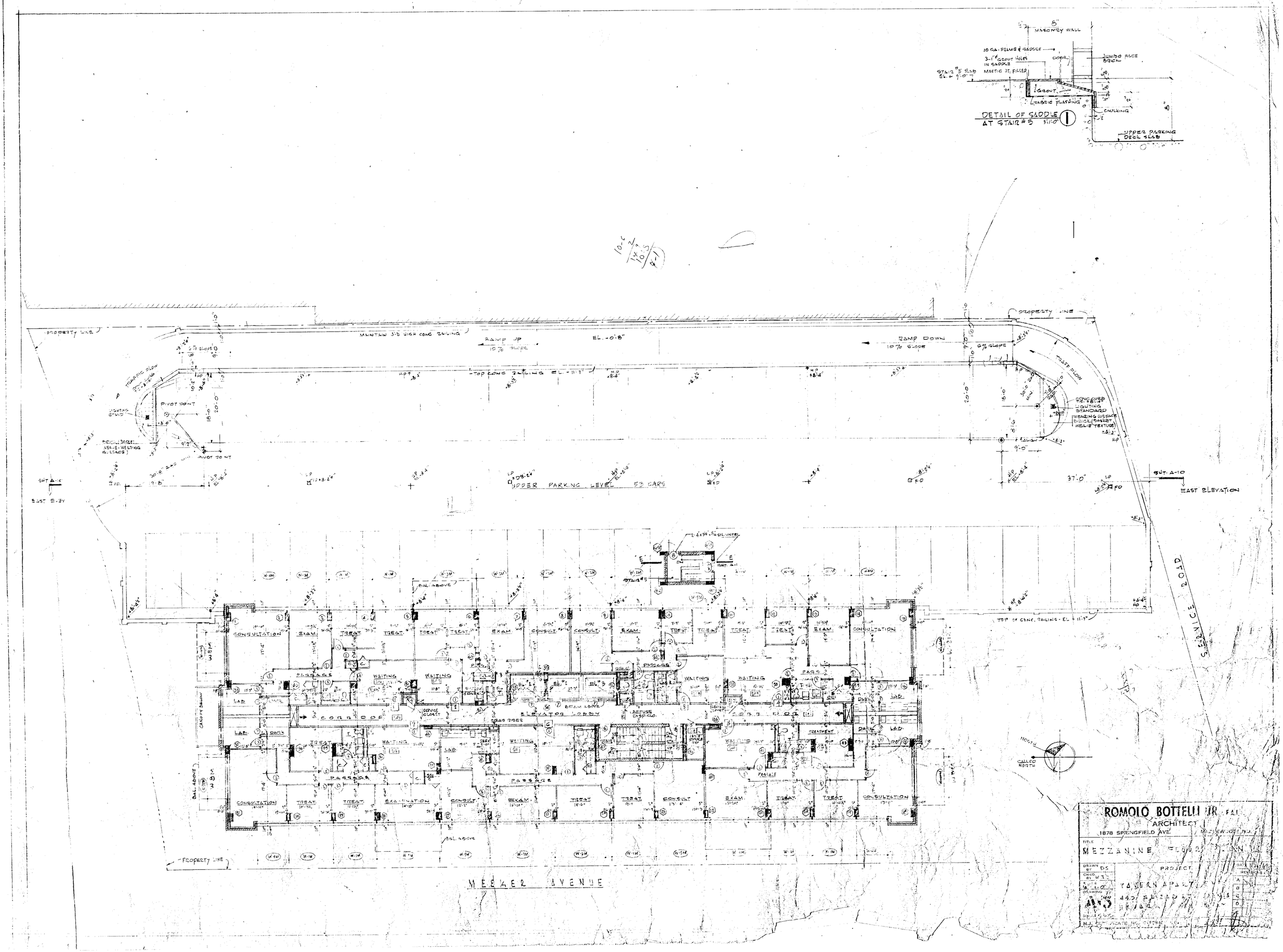
BY _____ TITLE

ROMOLO

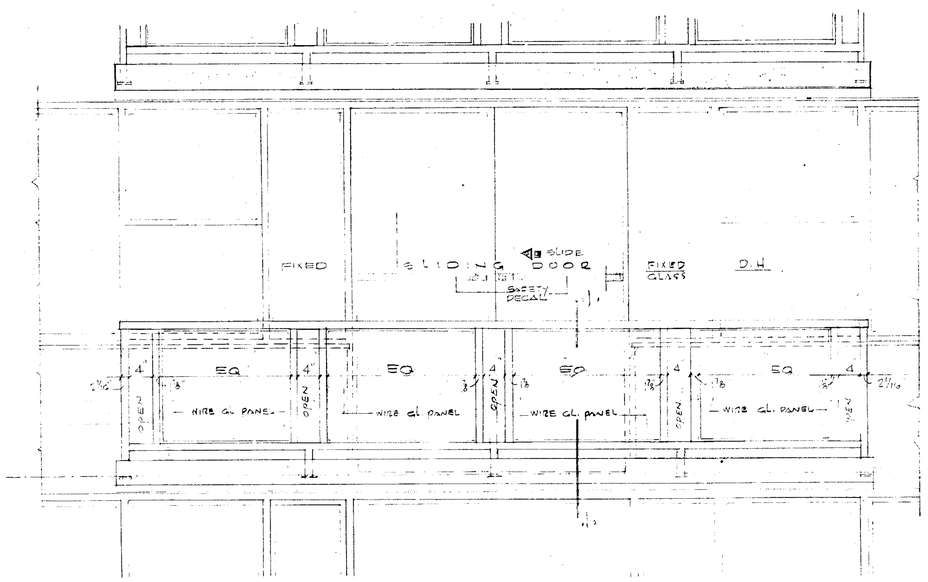


SECTION THROUGH STAIRS A-A
TYPICAL FLOOR
THIRD FLOOR
MEZZANINE
BASEMENT
STAIR PLAN
25TH FLOOR PLAN
STAIR #2 PLAN @ MAIN ROOF
UPPER PARKING DECK
ATTENDANTS OFFICE
LOWER PARKING DECK
DETAIL 6
STAIR RAKE DETAIL 5
STAIR PLATFORM DETAIL 7
DETAIL OF WALL RAILING 2
SCALE: F.S
SECTION 13-13
PLAN @ 1ST FLOOR
PLAN OF BASEMENT
DETAIL OF STAIRS #3 & #4
TYPICAL STAIR DET. 1
DET. 4
DET. 3
DET. 8
SECTION THRU STAIR #5: E-E
RENTAL STORAGE SPACE
TENANT STORAGE SPACE
METER ROOM
MECHANICAL ROOM
OVERALL FOUNDATION DIMENSION
LEGEND OF MATERIALS
JUMBO FACE BRICK
CONC. BLOCK
STONE
CONCRETE
STEEL STUD PARTITION
PLASTER OR 2" PLASTER PART.
BATT. INSULATION
RIGID INSULATION
STEEL
ALUM.
ROMOLO BOTTELLI JR. A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE.
MAPLEWOOD
BASEMENT FLOOR
SECTIONS


DETAIL PLAN 1
DETAIL 5
EXTERIOR STONE STEPS TO MAIN ENTRANCE 3
PARTIAL PLAN OF EXTERIOR ENT. STEPS
PLANTER CURB 4
DETAIL PLAN 2
LOWER LEVEL PARKING
CONC. GARAGE RAILING
FRONT ELEVATION
END ELEVATION
BENCH DETAIL
LINE STORY BRICK WAREHOUSE
PROPERTY LINE
FILL
RAMP UP
PIVOT POINT
LOWER PARKING DECK
SLOPE DOWN
SERVICE DRIVE
RENTAL SPACE "A"
RENTAL SPACE "B"
MANAGEMENT OFFICE
COMMUNITY RM.
DRIVE WAY
ELIZABETH AVENUE
SERVICE ROAD
MEEKER AVENUE
TYPICAL METHOD OF TREE STAKING
ROMOLO BOTTELLI
ARCHITECT
1878 SPRINGFIELD AVE.
PLANT SCHEDULE

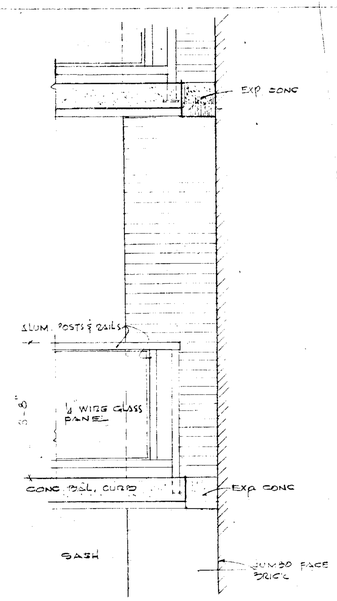


DETAIL OF SADDLE AT STAIR #5
MASONRY WALL
10 GA. FRAME & SADDLE
3-1" GROUT HOLES IN SADDLE
MASTIC JT. FILLED
JUMBO FACE BRICK
GROUT
FABRIC FLASHING
CAULKING
UPPER PARKING DECK SLAB
PROPERTY LINE
MAINTAIN 3'-3" HIGH CONC RAILING
RAMP UP 10% SLOPE
EL. -0'-8"
RAMP DOWN 10% SLOPE
6% SLOPE
TOP CONC RAILING EL. -11'-7"
TRAFFIC FLOW
PIVOT POINT
LIGHTING STAND
BRICK (BASKET WEAVE TEXTURE)
UPPER PARKING LEVEL 53 CARS
EAST ELEVATION
SERVICE ROAD
CONSULTATION
EXAM.
TREAT.
PASSAGE
WAITING
LAB.
CORRIDOR
ELEVATOR LOBBY
TREATMENT
EXAMINATION
CANOPY BELOW
BAL. ABOVE
NORTH
CALLED NORTH
MEEKER AVENUE
ROMOLO BOTTELLI JR. F.A.I.
ARCHITECT
1878 SPRINGFIELD AVE.
MEZZANINE FLOOR PLAN
DRAWN BY DS
CHKD BY W.T.
DRAWING
A-3
PROJECT
TAVERN APARTMENTS

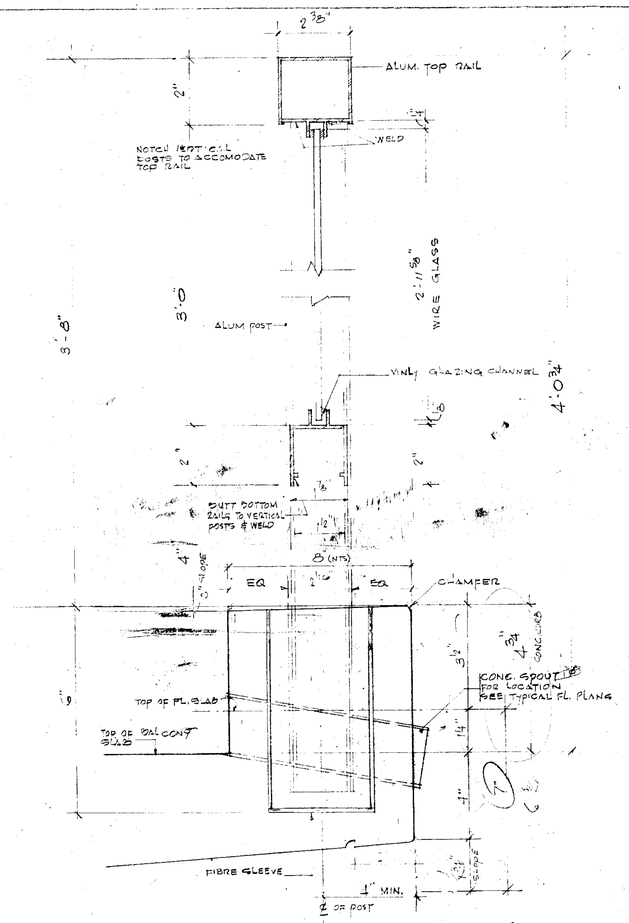


NOTES:
SEE TYPICAL FL. PLANS 3&7
FOR DETS & DIMS FOR BALCONY
DIMENIONS & LOCATION OF
CONC SPOUT

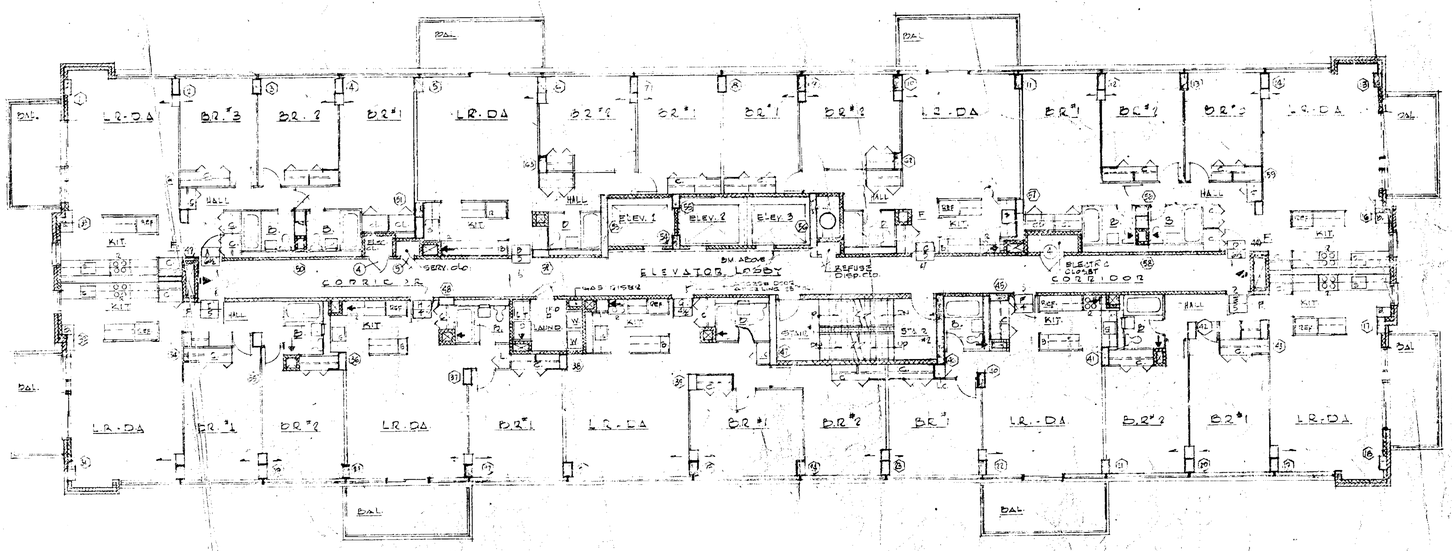
TYPICAL BALCONY ELEVATIONS
EAST & WEST ELEVATION SCALE 3/4" = 1'-0"

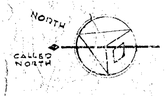


PARTIAL ELEVATION
NORTH & SOUTH



SECTION THRU ALUM. BALC RAILING (1)
SCALE HALF FULL SIZE



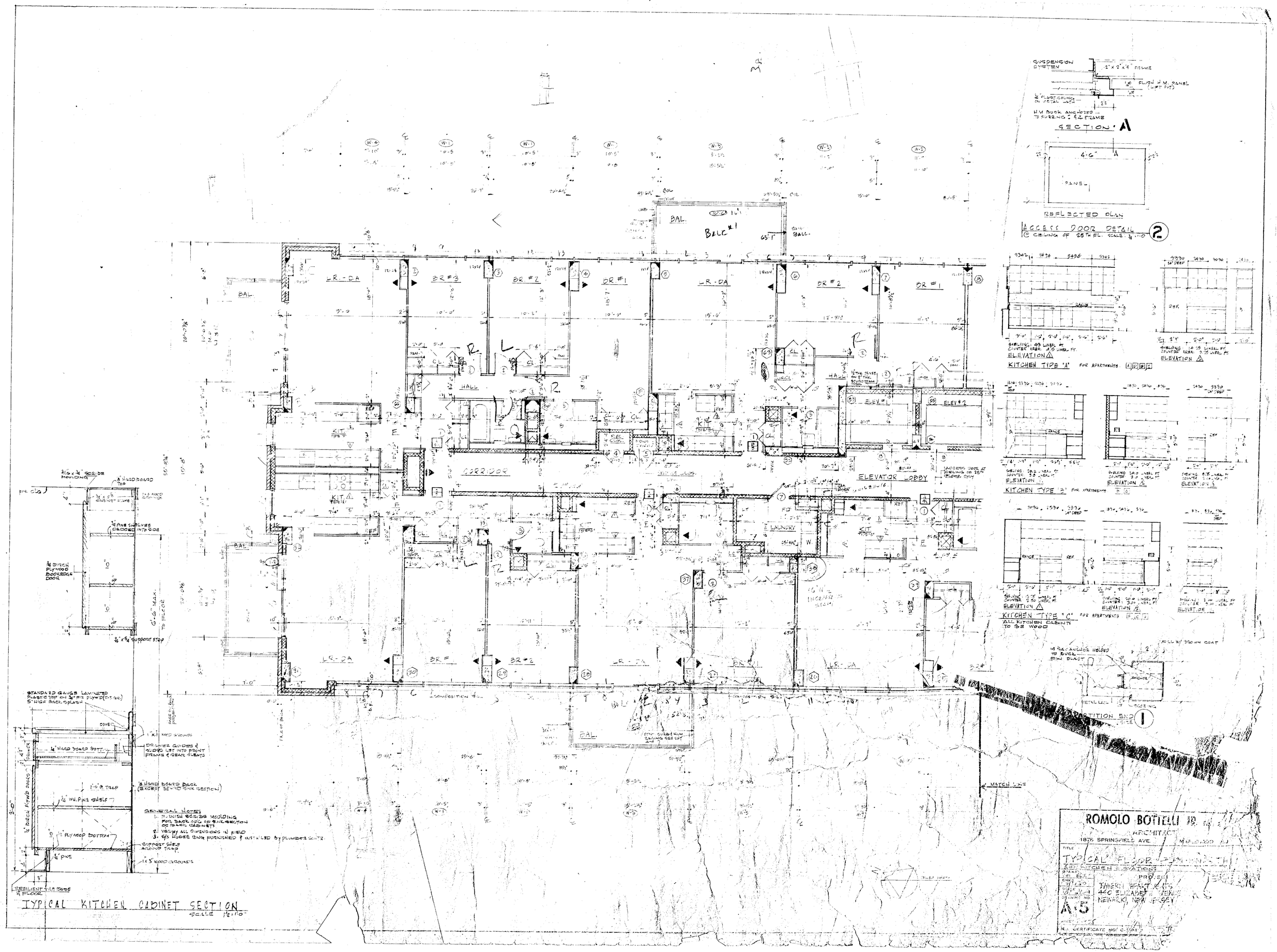


ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD N.J.

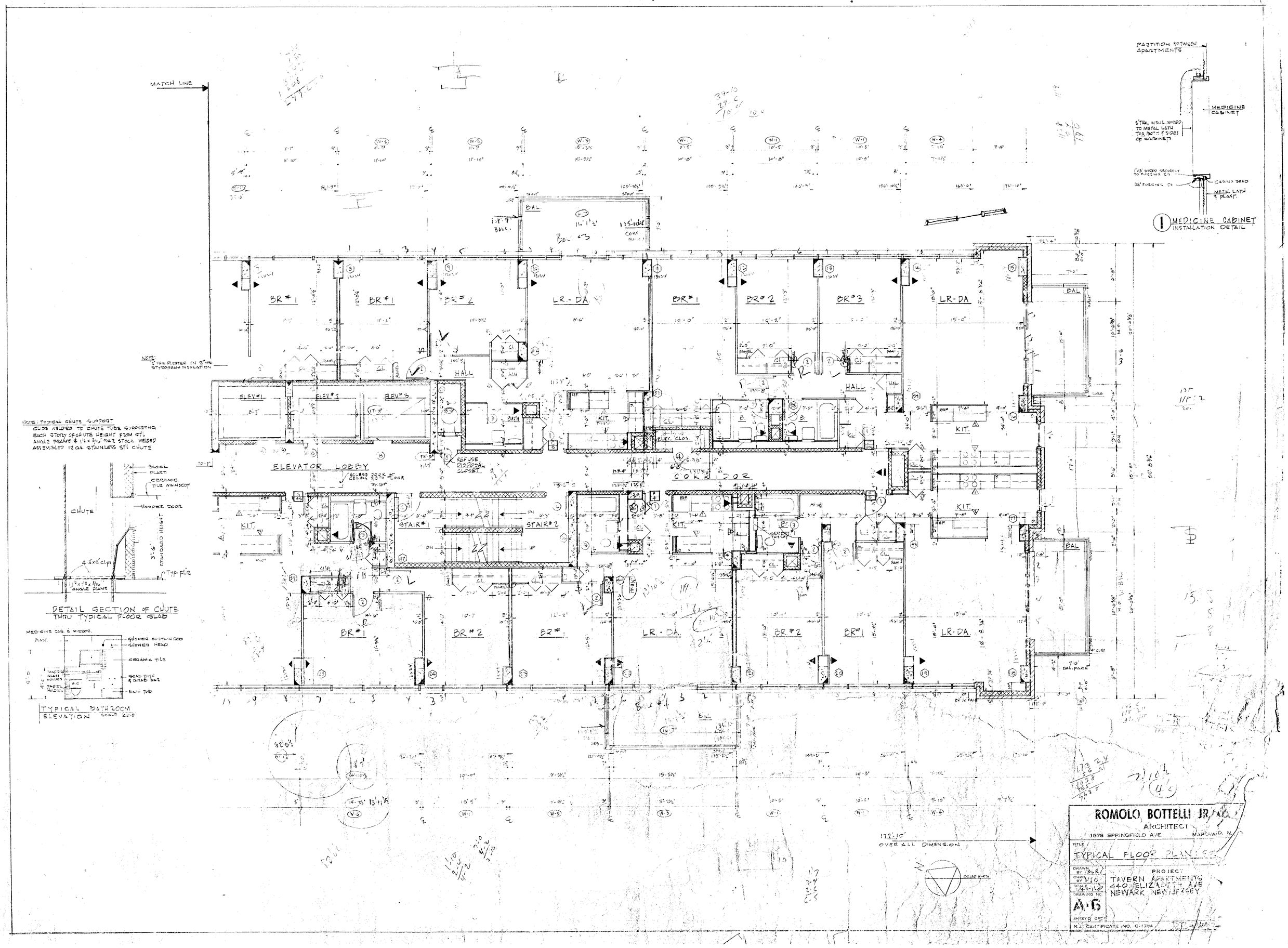
TITLE: TYPICAL FLOOR PLAN

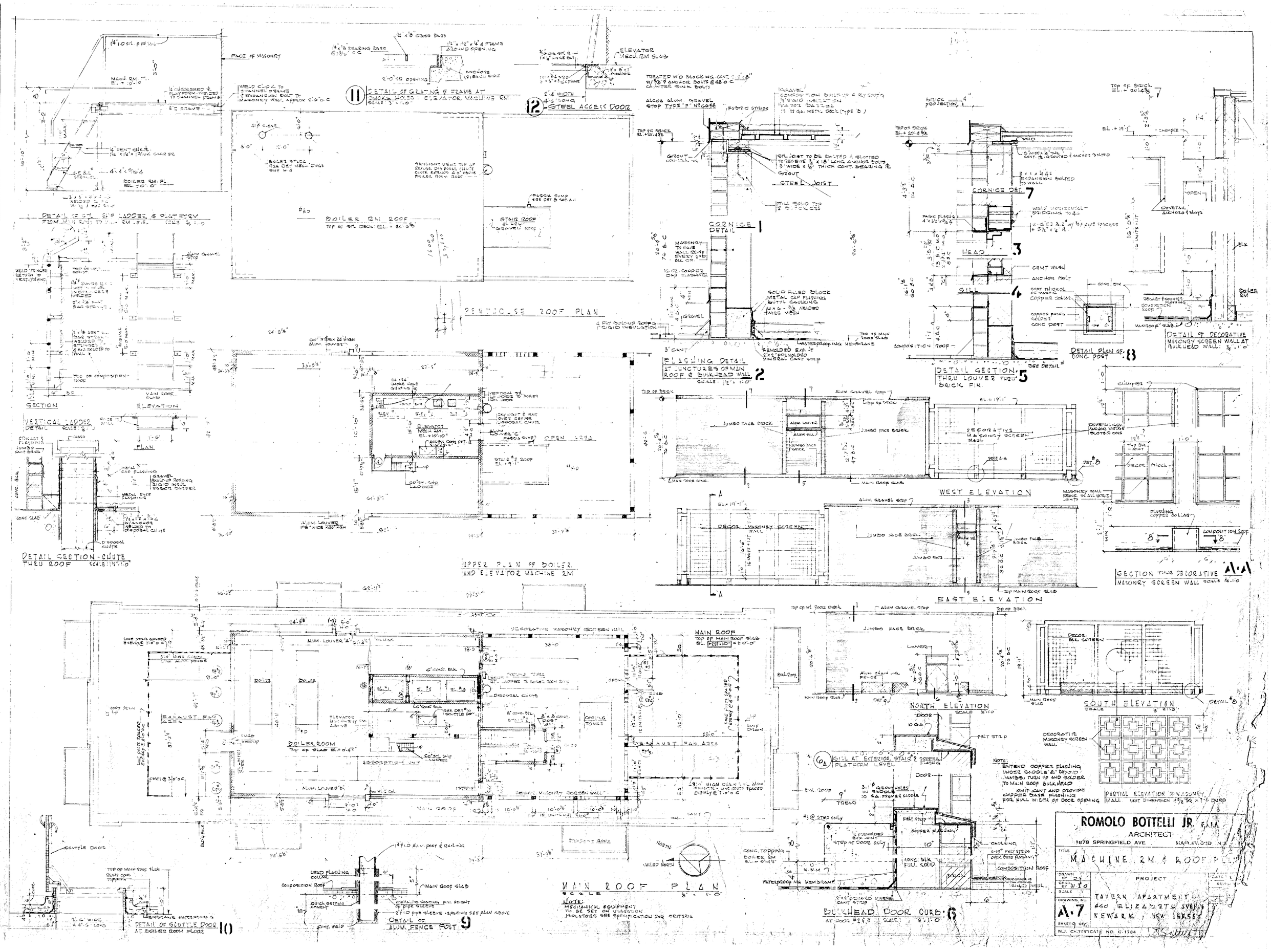
DRAWN BY: W.I.O.
CHKD BY: R.B.
SCALE: 1/4" = 1'-0"
DRAWING NO. A-4
SHEET 6 OF 8
N.J. CERTIFICATE NO. 6-1786

PROJECT:
TAVERN APARTMENTS
440 ELIZABETH AVENUE
NEWARK

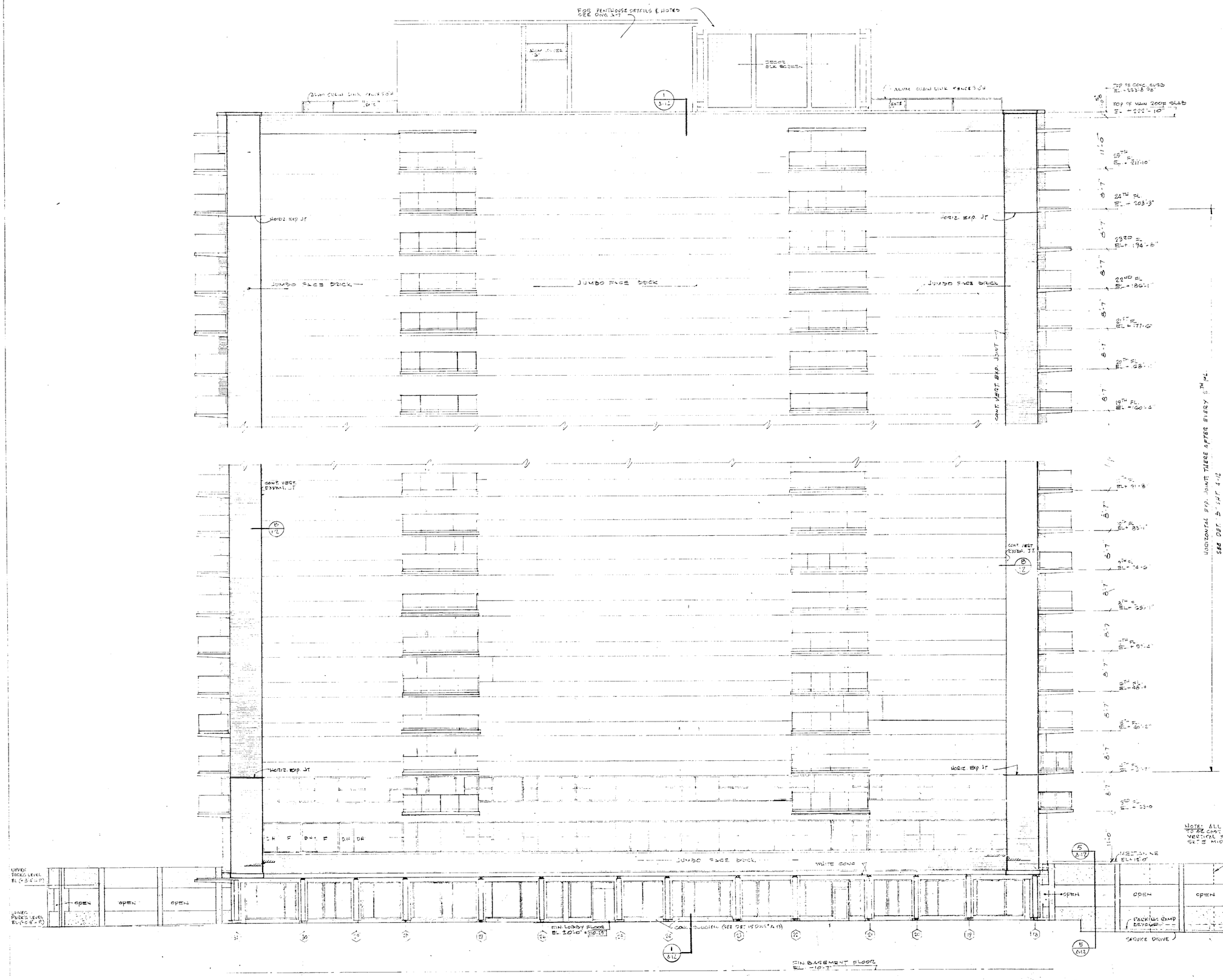


SUSPENSION SYSTEM
FLUSH H.M. PANEL (LIFT OUT)
H.M. BUCK ANCHORED TO FURRING & 2 FRAME
SECTION A
REFLECTED PLAN
ACCESS DOOR DETAIL
@ CEILING OF 25TH FL. SCALE 1/4"=1'-0"
2
ELEVATION
KITCHEN TYPE "A" FOR APARTMENTS
KITCHEN TYPE "B" FOR APARTMENTS
KITCHEN TYPE "C" FOR APARTMENTS
ALL KITCHEN CABINETS TO BE WOOD
PARTITION END
1
BAL.
LR-DA
BR #3
BR #2
BR #1
HALL
CORRIDOR
ELEVATOR LOBBY
LAUNDRY
KIT.
ELEV #1
ELEV #2
MATCH LINE
TYPICAL KITCHEN CABINET SECTION
SCALE 1½"=1'-0"
GENERAL NOTES
1. FURNISH SCRIBE MOULDING FOR BACK OPG OF SINK SECTION OF BACK CABINETS
2. VERIFY ALL DIMENSIONS IN FIELD
3. 6/5 HUDGE RING FURNISHED & INSTALLED BY PLUMBER CONTR.
STANDARD GAUGE LAMINATED PLASTIC TOP ON 3/4" FIR PLYWD (EXT. GR.) 5" HIGH BACK SPLASH
DRAWER GUIDES & SLIDES LET INTO FRONT FRAME & REAR CLEATS
1/8" HARD BOARD BACK (EXCEPT BEHIND SINK SECTION)
3/4" WH. PINE SHELF
1/2" PLYWOOD BOTTOM
SUPPORT SHELF AROUND TRAP
1 x 3" WOOD GROUNDS
RESILIENT TILE BASE & FLOOR
ROMOLO BOTTELLI JR.
ARCHITECT
1876 SPRINGFIELD AVE.
MAPLEWOOD
TYPICAL FLOOR PLAN
KITCHEN ELEVATIONS
PROJECT
TAVERN APARTMENTS
440 ELIZABETH AVENUE
NEWARK, NEW JERSEY
A-5
N.J. CERTIFICATE NO. C-1743


MATCH LINE
PARTITION BETWEEN APARTMENTS
MEDICINE CABINET
3" THK. INSUL. WIRED TO METAL LATH TOP, BOTT. & SIDES OF CABINETS
CASING BEAD
METAL LATH & PLAST.
1 MEDICINE CABINET INSTALLATION DETAIL
BR #1
BR #2
BR #3
LR-DA
BAL
HALL
ELEV #1
ELEV #2
ELEV #3
BATH
KIT.
ELEC. CLOS.
REFUSE DISPOSAL CLOSET
ELEVATOR LOBBY
CORRIDOR
STAIR #1
STAIR #2
NOTE: 1/2" THK PLASTER ON 2" THK STYROFOAM INSULATION
NOTE: TYPICAL CHUTE SUPPORT
CLIPS WELDED TO CHUTE TUBE SUPPORTING EACH STORY OF CHUTE HEIGHT FROM STL ANGLE FRAME & 1 1/2 x 3/16" BAR STOCK WELDED ASSEMBLED 12 GA. STAINLESS STL CHUTE
CHUTE
HOPPER DOOR
STANDARD HEIGHT
DETAIL SECTION OF CHUTE THRU TYPICAL FLOOR SLAB
MEDICINE CAB. & MIRROR
SHOWER CURTAIN ROD
SHOWER HEAD
CERAMIC TILE
SOAP DISH & GRAB BAR
BATH TUB
TYPICAL BATHROOM ELEVATION
172'-10" OVER ALL DIMENSION
ROMOLO BOTTELLI JR. A.D.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.
TITLE
TYPICAL FLOOR PLAN
DRAWN BY BLR
CHKD BY WJO
SCALE 1/4"=1'-0"
DRAWING NO. A-6
SHEET 8 OF 5
PROJECT
TAVERN APARTMENTS
440 ELIZABETH AVE
NEWARK NEW JERSEY
N.J. CERTIFICATE NO. C-1784



DETAIL OF GRATING & FRAME AT SMOKE HOLES: ELEVATOR MACHINE RM.
STEEL ACCESS DOOR
BOILER RM ROOF
PENTHOUSE ROOF PLAN
CORNICE DETAIL
FLASHING DETAIL AT JUNCTURES OF MAIN ROOF & BULKHEAD WALL
DETAIL SECTION THRU LOUVER THRU BRICK FIN
CORNICE DET.
HEAD
SILL
DETAIL PLAN OF CONC. POST
DETAIL OF DECORATIVE MASONRY SCREEN WALL AT BULKHEAD WALL
VERTICAL LADDER DETAIL
SECTION
ELEVATION
PLAN
DETAIL SECTION - CHUTE THRU ROOF
UPPER PLAN OF BOILER AND ELEVATOR MACHINE RM
WEST ELEVATION
EAST ELEVATION
SECTION THRU DECORATIVE MASONRY SCREEN WALL
NORTH ELEVATION
SOUTH ELEVATION
PARTIAL ELEVATION OF MASONRY WALL
BOILER ROOM
MAIN ROOF
MAIN ROOF PLAN
DETAIL OF SCUTTLE DOOR AT BOILER ROOM FLOOR
DETAIL OF ALUM. FENCE POST
BULKHEAD DOOR CURB
NOTE: MECHANICAL EQUIPMENT TO BE SET ON VIBRATION ISOLATORS SEE SPECIFICATION FOR CRITERIA
NOTE: ENTEND COPPER FLASHING UNDER SADDLE 8" BEYOND JAMBS, TURN UP AND SOLDER TO MAIN ROOF BULKHEAD. OMIT CANT AND PROVIDE COPPER BASE FLASHING FOR FULL WIDTH OF DOOR OPENING
ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD N.J.
MACHINE RM & ROOF PLAN
PROJECT
TAVERN APARTMENT
440 ELIZABETH AVENUE
NEWARK, NEW JERSEY
A-7
N.J. CERTIFICATE NO. C-1784

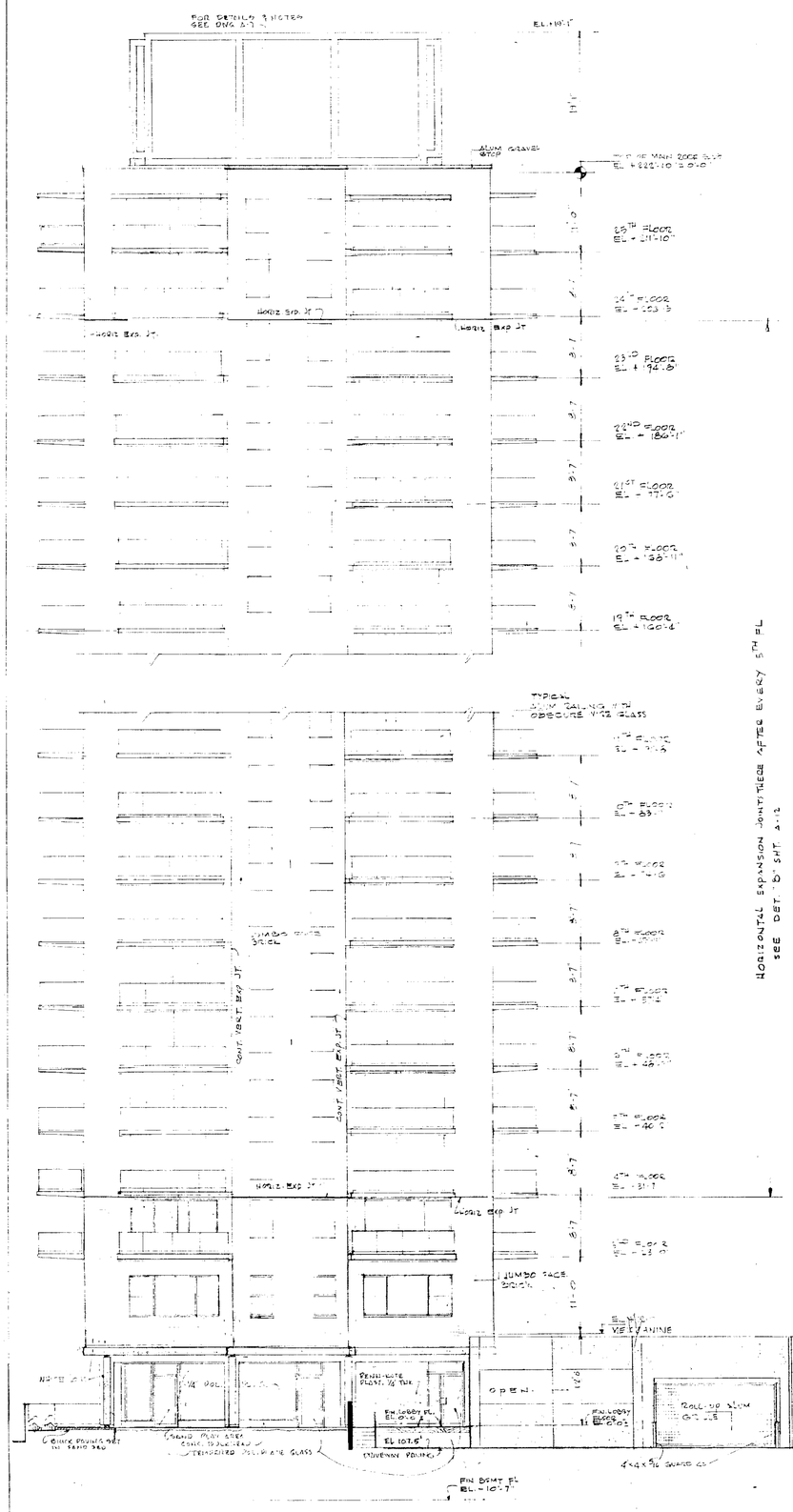


ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

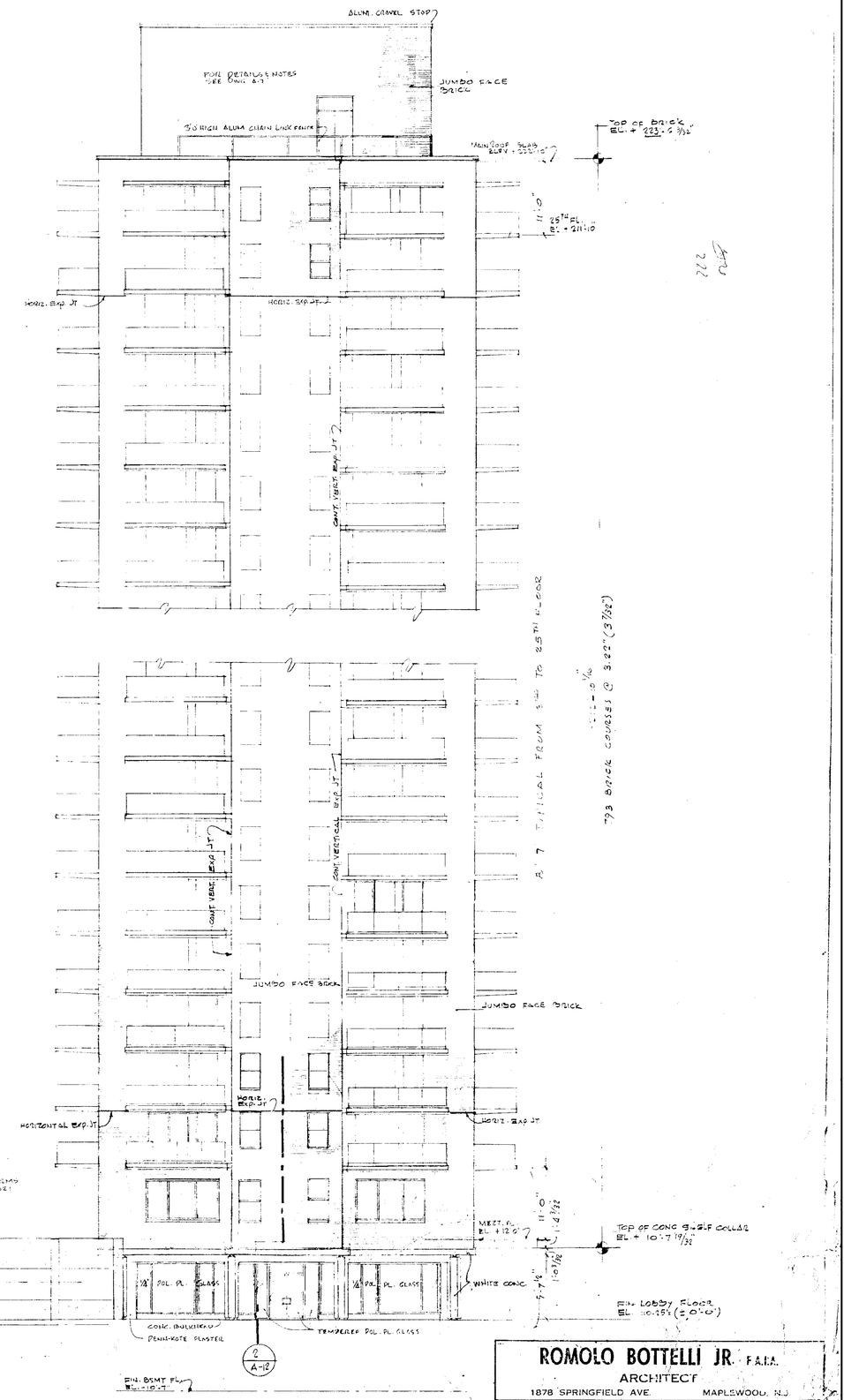
TITLE: NEST ELEVATION

DRAWN BY: DS	PROJECT
CHKD. BY: W.J.C.	
SCALE: 1/8" = 1'-0"	TAVERN APARTMENTS
DRAWING NO. A-8	440 ELIZABETH AVE. NEWARK NEW JERSEY
SHEET 15 OF 57	

N.J. CERTIFICATE NO. C-1784



SOUTH ELEVATION
SERVICE ROAD



NORTH ELEVATION
ELIZABETH AVENUE

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

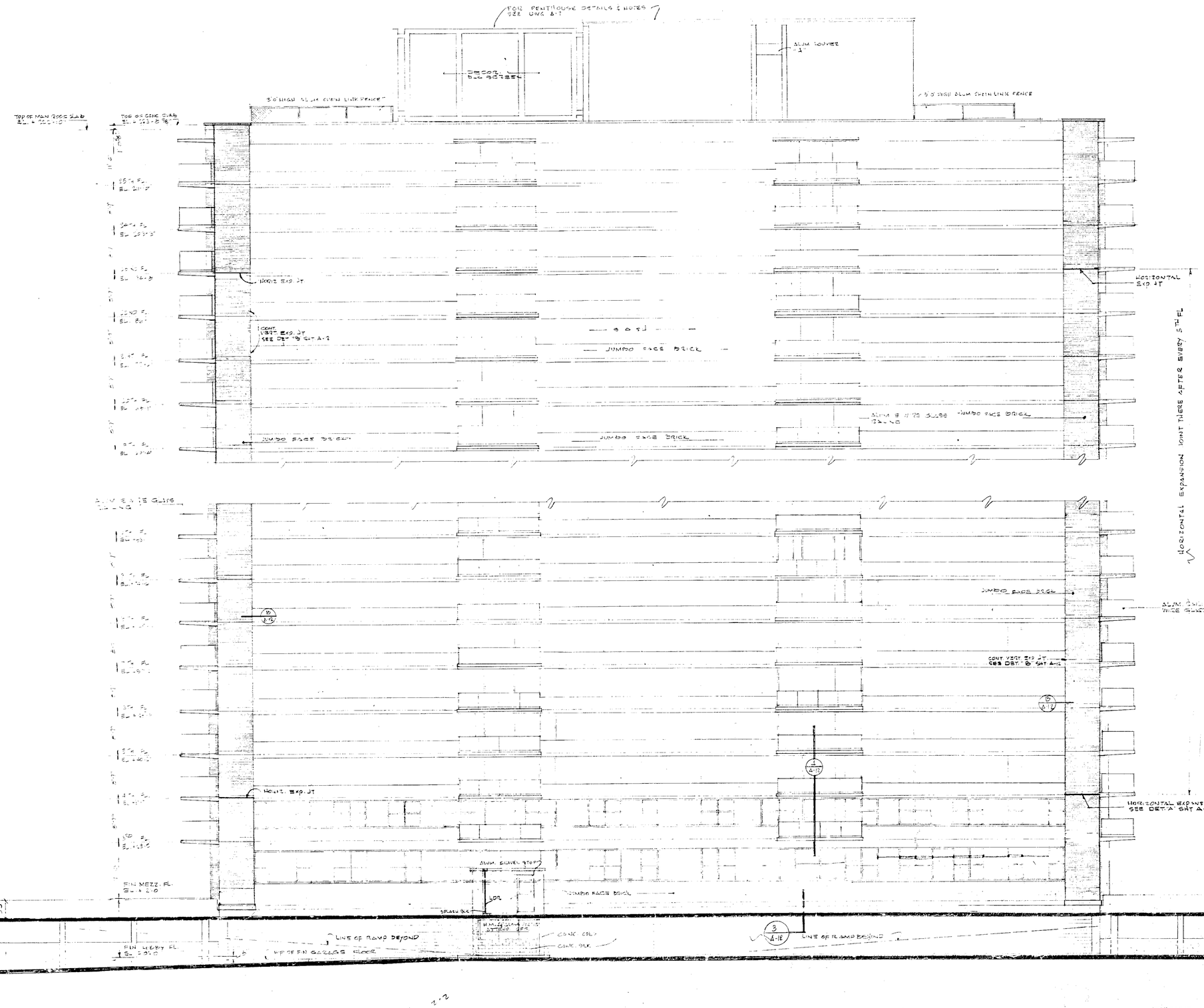
TITLE: SOUTH ELEVATION AND NORTH ELEVATION

DRAWN BY: B.L.R.
CHKD. BY: N.J.D.
SCALE: 1/4" = 1'-0"
DRAWING NO. A-9
SHEET 11 OF 52

PROJECT
TAVERN APARTMENTS
440 ELIZABETH AVE.
NEWARK, NEW JERSEY

DATE: 07/16/
A
B
C
D
E

N.J. CERTIFICATE NO. C-1784



NOTE:
ALL LEVELS SHOWN ON THIS DRAWING ARE IN RELATION TO ARCHITECTS DATUM "0.0" WHICH IS FINISHED LOBBY FLOOR, AND IS 3'-0¼" ABOVE CURB AT CENTRE OF BUILDING FACADE.

EAST ELEVATION

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

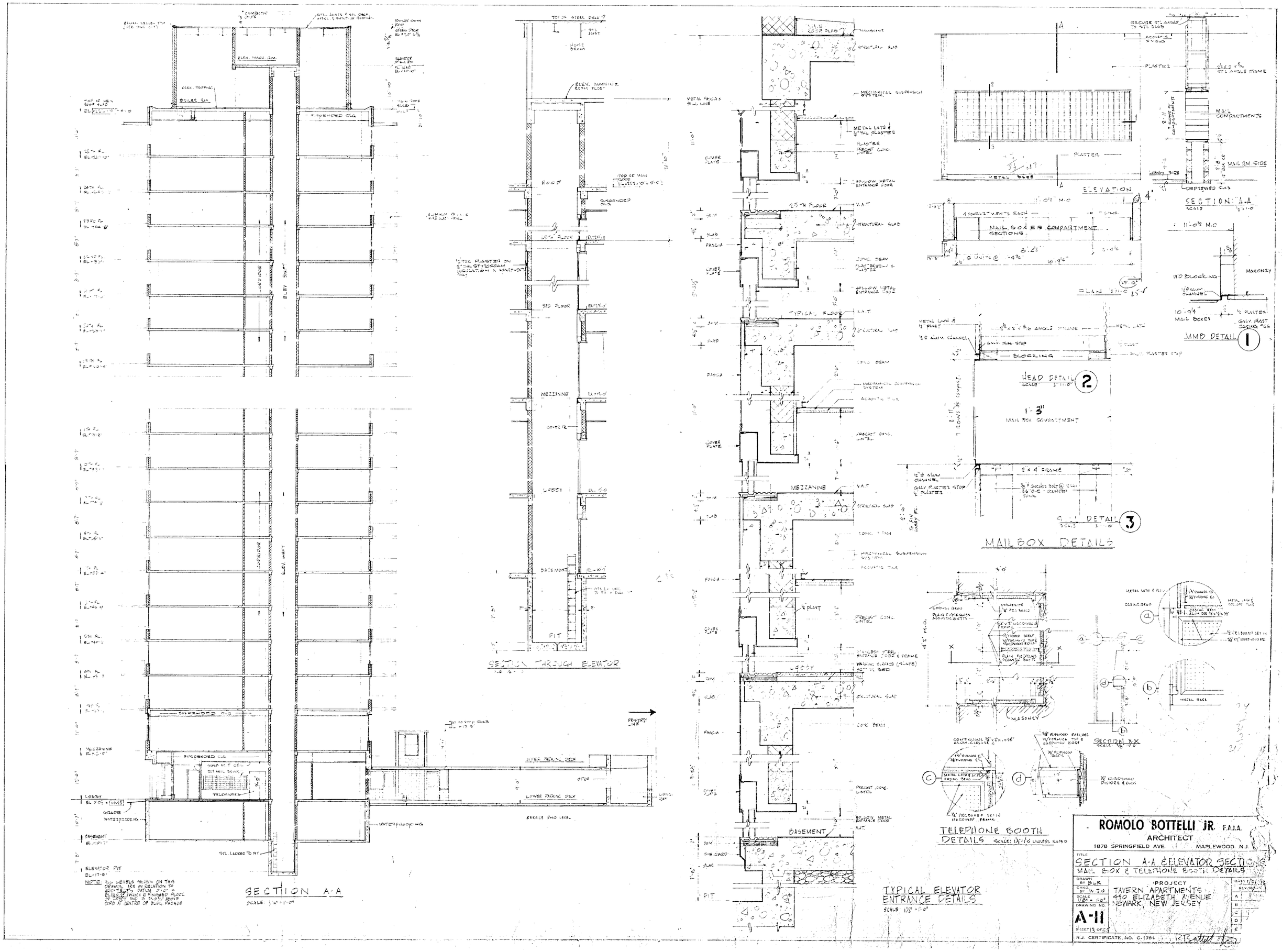
TITLE: EAST ELEVATION

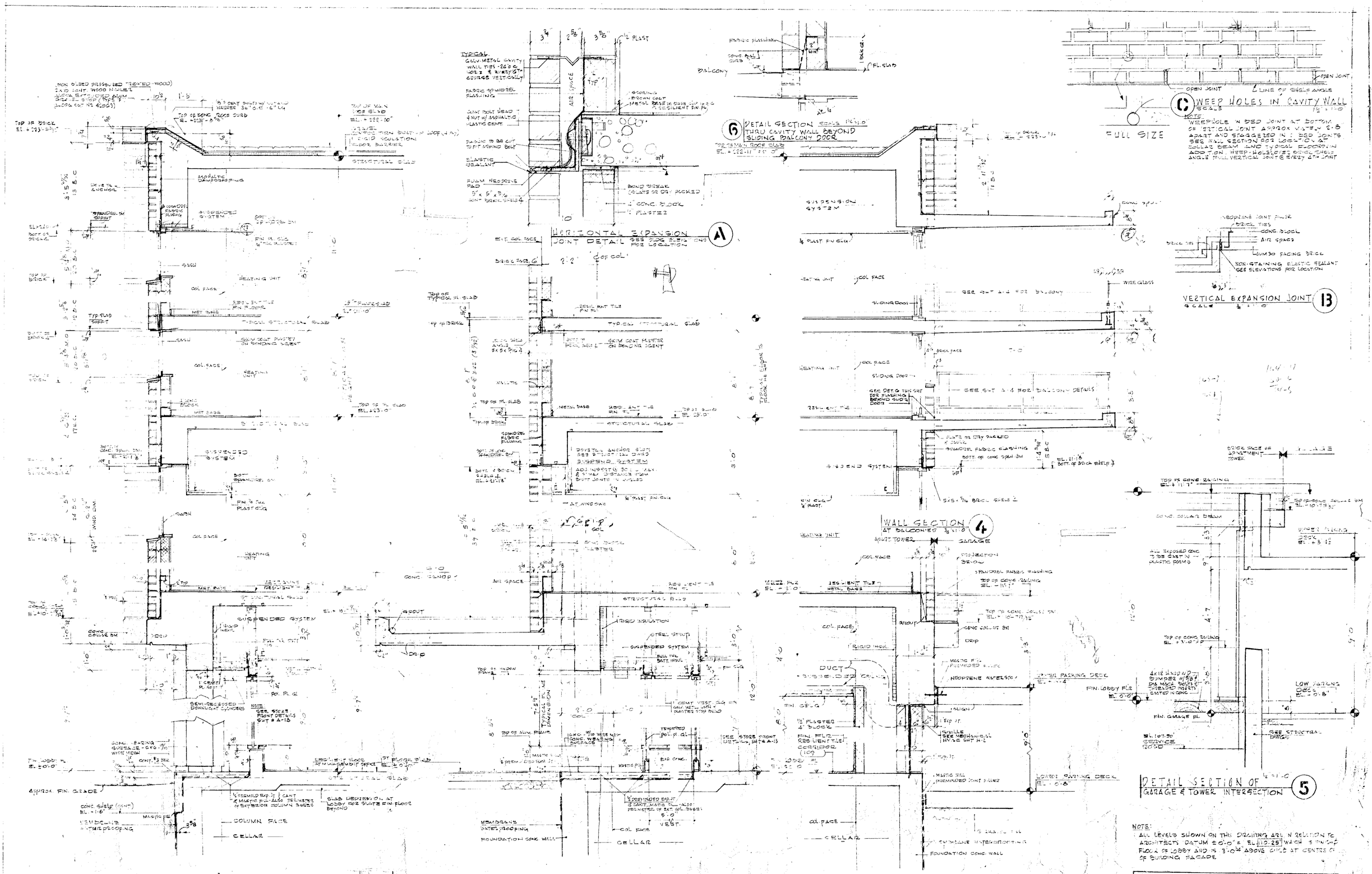
DRAWN BY: BLR
CHKD. BY: W.J.O.
SCALE: 1/8" = 1'-0"
DRAWING NO. A-10
SHEET 12 OF 15

PROJECT
TAVERN APARTMENTS
440 ELIZABETH AVE.
NEWARK, NEW JERSEY

DATE
REVISION
A
B
C
D
E

N.J. CERTIFICATE NO. C-1784


SECTION A-A
SCALE: 1/8" = 1'-0"
SECTION THROUGH ELEVATOR
TYPICAL ELEVATOR ENTRANCE DETAILS
SCALE: 1 1/2" = 1'-0"
ELEVATION
SECTION A-A
PLAN
JAMB DETAIL 1
HEAD DETAIL 2
SILL DETAIL 3
MAILBOX DETAILS
SECTION X-X
TELEPHONE BOOTH DETAILS
SCALE: 1 1/2" = 1'-0" UNLESS NOTED
ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.
TITLE
SECTION A-A & ELEVATOR SECTIONS
MAIL BOX & TELEPHONE BOOTH DETAILS
DRAWN BY BLR
CHKD. BY W.T.O.
SCALE 1/8" = 1'-0"
DRAWING NO.
A-11
SHEET 13 OF 55
PROJECT
TAVERN APARTMENTS
440 ELIZABETH AVENUE
NEWARK, NEW JERSEY
N.J. CERTIFICATE NO. C-1784



NOTE:
ALL LEVELS SHOWN ON THIS DRAWING ARE IN RELATION TO ARCHITECTS DATUM ±0'-0" = EL. 110.25 WHICH IS FINISHED FLOOR OF LOBBY AND IS 3'-0¾" ABOVE GRADE AT CENTRE OF OF BUILDING FACADE

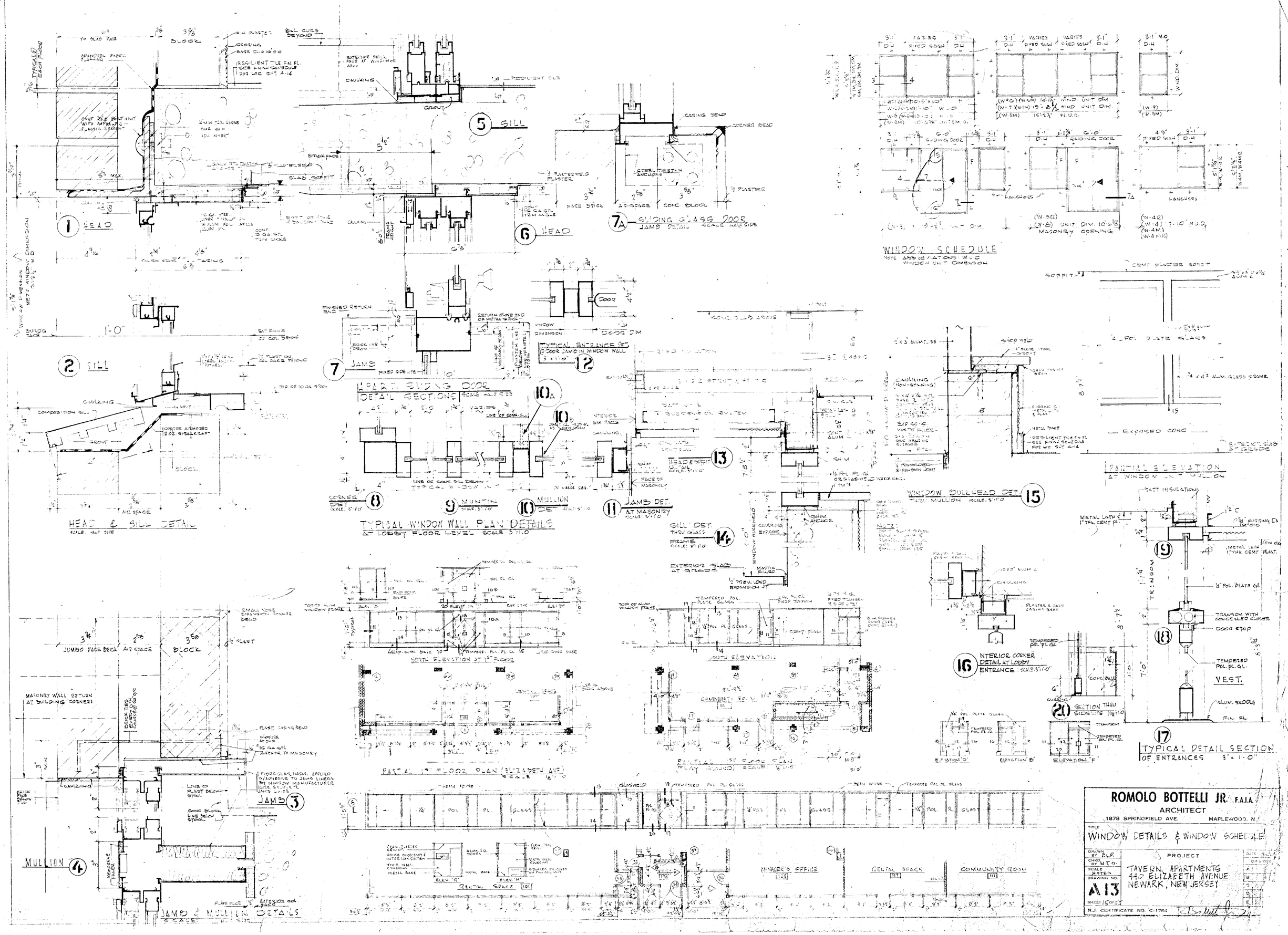
ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: TYPICAL WALL SECTIONS

DRAWN BY: DS
CHKD BY: WJ
SCALE: AS NOTED
DRAWING NO. A12
SHEET 14 OF 35

PROJECT
TAVEN APARTMENT
440 ELIZABETH AVE
NEWARK NEW JERSEY

N.J. CERTIFICATE NO. C-1784



HEAD & SILL DETAIL
SCALE: HALF SIZE
TYPICAL WINDOW WALL PLAN DETAILS
AT LOBBY FLOOR LEVEL SCALE 3"=1'-0"
APART. SLIDING DOOR
DETAIL SECTIONS
SLIDING GLASS DOOR
JAMB DETAIL SCALE HALF SIZE
WINDOW SCHEDULE
NOTE ABBREVIATIONS: W.U.D. WINDOW UNIT DIMENSION
PARTIAL ELEVATION
AT WINDOW UNIT MULLION
WINDOW BULKHEAD DET.
THRU MULLION SCALE 3"=1'-0"
SILL DET.
THRU GLASS FRAME
INTERIOR CORNER DETAIL AT LOBBY ENTRANCE SCALE 3"=1'-0"
TYPICAL DETAIL SECTION
OF ENTRANCES 3"=1'-0"
NORTH ELEVATION AT 1ST FLOOR
SOUTH ELEVATION
PARTIAL 1ST FLOOR PLAN (ELIZABETH AVE)
PARTIAL 1ST FLOOR PLAN (PLAY GROUND) SCALE 1/8"=1'-0"
JAMB & MULLION DETAILS
SCALE HALF SIZE
MINAGER'S OFFICE
RENTAL SPACE
COMMUNITY ROOM
ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.
TITLE
WINDOW DETAILS & WINDOW SCHEDULE
DRAWN BY B.L.R.
CHKD. BY W.T.O.
SCALE NOTED
DRAWING NO.
A13
SHEET 15 OF 55
PROJECT
TAVERN APARTMENTS
440 ELIZABETH AVENUE
NEWARK, NEW JERSEY
N.J. CERTIFICATE NO. C-1784

ROOM FINISH SCHEDULE

AREA No	AREA TITLE	FLOOR	BASE	WALLS	CEILING FINISH	CEILING HEIGHT	REMARKS
BASEMENT							
1	RENTAL STORAGE SPACE	CONC.	—	CONC-CMU	CONC.	10-0	
2	COMPACTOR ROOM	CONC.	—	CMU PTD ●	CONC.	10-0	● VITREOUS PAINT
3	HOUSE MAINTENANCE & STORAGE	CONC	—	CONC-CMU	CONC.	10-0"	
4	RECEIVING ROOM	CONC	—	CONC CMU	CONC	10-0"	
5,11,12	CORRIDOR & ELEC. CLOSETS	CONC.	—	CMU	CONC	10-0"	
6	MECHANICAL EQUIPMENT RM	CONC	—	CONC-CMU	CONC	10-0"	
7	EMPLOYEES LOCKER ROOM	CONC.	—	CONC-CMU	CONC	10-0"	
8	METER ROOM	CONC	—	CONC-CMU	CONC	10-0"	
9	BICYCLE & PERAMBULATOR ROOM	CONC.	—	CONC-CMU	CONC	10-0"	
10	TENANT STORAGE	CONC.	—	CONC-CMU	CONC	10-0"	
	STAIR #2 #4 ELEV. PIT	CONC	—	CONC-CMU	CONC	10-0"	
	STAIR #3	CONC	—		—	—	● STEEL STAIRS, CEM. TREADS
LOBBY FLOOR							
√100	VESTIBULE	V.A.T.	METAL	PLAS. PTD	SUSP CEM. PLAS	8'3¾"	
x101	RENTAL SPACE	V.A.T.	METAL	PLAS PTD	SUSP AC. T	9'0"	
~~102~~	~~WOMENS TOILET~~	CER. TILE	CER. TILE	PLAS. PTD.	SUSP. PLAS.	8'-0"	CER. TILE WAINSCOT 4'0" HIGH
103	~~WORK SPACE & LUNCH ROOM~~	V.A.T.	METAL	PLAS. PTD	SUSP. AC T.	8'0"	
104	~~MENS TOILET~~	CER. TILE	CER. TILE	PLAS PTD.	SUSP. PLAS.	8'0"	CER. TILE WAINSCOT 4'0" HIGH
X105	CORRIDOR	V.A.T.	METAL	VINYL	SUSP. AC. T	9'0"	
V106	VESTIBULE	V.A.T.	VINYL	C.M.U.	CONC.	8'3¾"	
107	~~ATTENDANT~~	CONC. ●	—	C.M.U. ●	CONC	7-7"	● CER TILE FL & WSCT 4'0" IN TOILET
108	PARKING DECK	CONC	—	CONC-CMU	CONC.	8'-3"	
109	CORRIDOR	V.A.T	METAL	VINYL W.C.	SUSP. AC. T	9'0"	
110	VESTIBULE	V.A.T	METAL	VINYL W.C.	SUSP. AC. T.	8'3"	
111	COMMUNITY ROOM	V.A.T	METAL	VINYL W.C.	SUSP. AC. T.	9'0"	
112	~~STORAGE~~	V.A.T.	METAL	PLAS. PTD	SUSP. PLAS	8'0"	
113	MENS TOILET	CER. TILE	CER. TILE	PLAS. PTD.	SUSP. PLAS.	8'0"	CER. TILE WAINSCOT 4'0" HIGH
114	WOMENS TOILET	CER. TILE	CER. TILE	PLAS. PTD.	SUSP. PLAS.	8'0"	CER. TILE WAINSCOT 4'0" HIGH
115	CLOSET	V.A.T.	METAL	PLAS PTD.	SUSP. PLAS	8'0"	
116,116A	ELEC CLOSETS	CONC.	—	C.M.U.	CONC.	11-5"	
117	TOILET	CER. TILE	CER. TILE	PLAS. PTD	SUSP. PLAS.	8'0"	CER. TILE WAINSCOT 4'0" HIGH
118	JAN. CLOSET	V.A.T.	VINYL	C.M.U.	CONC	11'5"	
119	RENTAL SPACE	V.A.T.	METAL	PLAS. PTD.	SUSP. AC. T.	9'0"	
120	WAITING ROOM	V.A.T.	METAL	PLAS. PTD.	SUSP. AC. T.	[illegible]	
121	DISPOSAL CLOSET	CER. TILE	CER. TILE	PLAS PTD	CONC.	11-5	● CER. TILE WAINSCOT 3'6" HIGH
122	OFFICE	V.A.T.	METAL	PLAS. PTD	SUSP. AC. T	9'0"	
123	LOBBY	STONE	METAL	VINYL W.C.	SUSP. AC. T	[illegible]	
124	VESTIBULE	STONE	METAL	VINYL W.C.	SUSP. AC. T	9'0"	
125	MAIL ROOM	V.A.T.	VINYL	C.M.U.	CONC.	11-5	
	STAIR #1 & #2	V.A.T.	METAL	PLAS PTD	PLAS PTD	—	
	STAIR #3	V.A.T.	METAL	PLAS PTD	SUSP. AC.T.	9-0	
	STAIR #4	CONC.	—	CMU	CONC	—	
	STAIR #5	CONC	—	C.M.U.	CONC	—	
MEZZANINE FLOOR							
201	CORRIDOR	V.A.T.	METAL	PLAS PTD	SUSP. AC.T	8-0	
202	SERVICE CLOSET	V.A.T.	METAL	PLAS. PTD.	SUSP. AC.T	8'0"	
203	ELEC. CLOSETS	CONC.	—	C.M.U.	CONC	10-6	
204	JAN. CLOSET	V.A.T.	VINYL	C.M.U.	CONC	10-6	
205	DISPOSAL CLOSET	CER. TILE	CER. TILE	PLAS. PTD	SUSP. AC. T	8'0"	● CER TILE WAINSCOT 3'6" HIGH
206	PROFESSIONAL SUITE #1 ●	V.A.T.	METAL	PLAS. PTD.	SUSP. AC.T	8'0"	● CER. TILE FLOOR, BASE & 4'0" HIGH WAINSCOT IN TOILET
207	PROFESSIONAL SUITE #2 ●	V.A.T.	METAL	PLAS. PTD	SUSP. AC.T	8'0"	● do
208	PROFESSIONAL SUITE #3 ●	V.A.T.	METAL	PLAS. PTD	SUSP. AC.T	8'0"	● do
209	PROFESSIONAL SUITE #4 ●	V.A.T.	METAL	PLAS. PTD	SUSP. AC.T	8'0"	● do
210	PROFESSIONAL SUITE #5 ●	V.A.T.	METAL	PLAS. PTD	SUSP. AC.T	8'0"	● do
211	PROFESSIONAL SUITE #6 ●	V.A.T.	METAL	PLAS. PTD	SUSP. AC.T	8'0"	● do
212	PROFESSIONAL SUITE #7 ●	V.A.T.	METAL	PLAS. PTD	SUSP. AC.T	8'0"	● do
	STAIR #1 & 2	V.A.T.	METAL	PLAS. PTD.	CONC.	—	
	STAIR #5	CONC.	—	C.M.U.	CONC.	8'0"	
TYPICAL FLOOR NOTE: PLAS. CEILINGS TO BE SUSPENDED 8'0" HIGH @ 25TH FLOOR ONLY							
	CORRIDOR	VAT	METAL	PLAS PTD	PLAS. PTD.	8'-1"	
	ELECTRIC CLOSETS	CONC.	—	CMU	CONC.	8'-1"	
	LAUNDRY	CER. TILE	CER. TILE	PLAS. PTD ●	PLAS PTD	8'-1"	● CER TILE WAINSCOT 4'0" HIGH
	SERVICE CLOSET	V.A.T.	METAL	PLAS PTD.	CONC.	8'1"	
	DISPOSAL CLOSET	CER. TILE	CER. TILE	PLAS PTD	CONC.	8'1"	● CER TILE WAINSCOT 3'6" HIGH
	FOYERS	V.A.T.	METAL	PLAS PTD	PLAS. PTD	8'-1"	
	KITCHENS	V.A.T.	METAL	PLAS PTD	PLAS PTD	8'-1"	
	LIVING ROOMS-DINING AREAS	V.A.T.	METAL	PLAS PTD.	PLAS. PTD	8'-1"	
	BEDROOMS	V.A.T.	METAL	PLAS. PTD.	PLAS PTD	8'-1"	
	BATHROOMS	CER TILE	CER. TILE	PLAS. PTD ●	PLAS. PTD	8'-1"	● CER. TILE WAINSCOT 4'0" HIGH
	STAIR #1 & #2	CONC	—	CONC. CMU	CONC.	—	
BOILER ROOM & ROOF							
R-1	BOILER ROOM	CONC	—	CONC-CMU	STL DECK		
R-2	ELEVATOR MACHINE ROOM	CONC.	—	CONC-CMU	STL DECK		
	STAIR #1	CONC.	—	CMU	STL DECK		

LEGEND OF ABBREVIATIONS

CONC.	CONCRETE
C.M.U.	CONCRETE MASONRY UNITS
CER. TILE	CERAMIC TILE
V.A.T.	VINYL ASBESTOS TILE
PLAS. PTD	PLASTER-PAINTED
SUSP. ACT	SUSPENDED ACOUSTIC TILE
SUSP. PLAS	SUSPENDED PLASTER
VINYL W.C.	VINYL WALL COVERING
STL. DECK	STEEL DECK

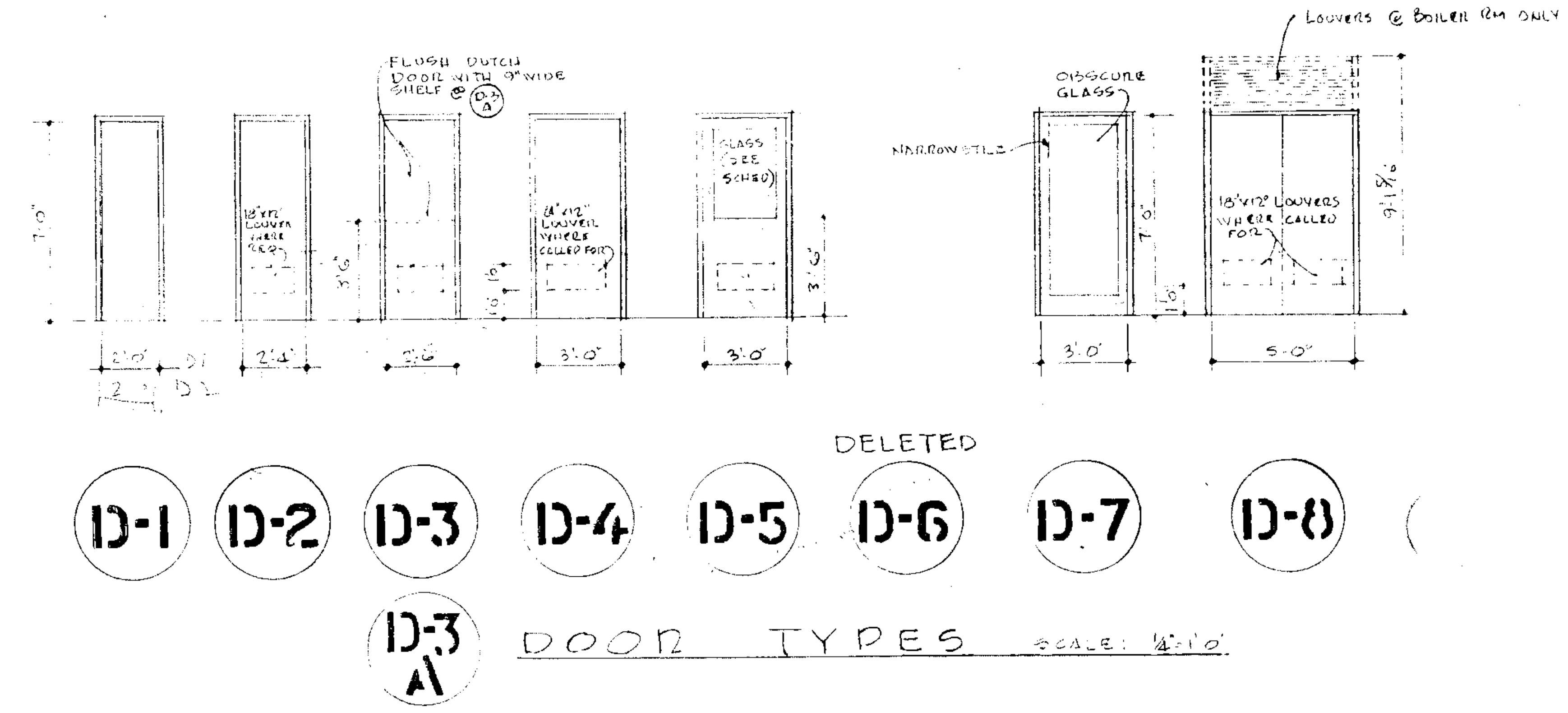
NOTE: ALL EXPOSED CONC. CEILINGS, FLOORS & MASONRY WALLS TO BE PAINTED.
✓ SUSPENDED PLASTER TO BE PAINTED

DOOR SCHEDULE

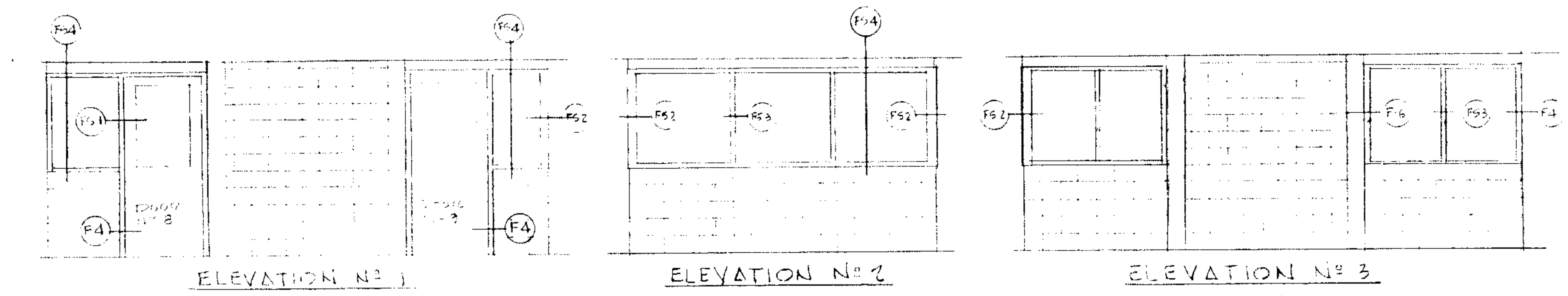
OPENING No	DOOR TYPE	DOOR MAT'L	LOUVRE	FRAME TYPE	FRAME MAT'L	FIRE RATING	HARDWARE SADDLE	HARDWARE GROUP	REMARKS
BASEMENT									
1,5	D-3	H.M.	—	F-4	H.M.	—	—	4	
2	BY	ELEVATOR			MANUFACTURER			12	
3	D-4	H.M.	—	F-4	H.M.	1½ HR	—	4	
4	D-4	H.M.	24"x12"	F-4	H.M.	1½ HR	—	6	
7,8	D-3	H.M.	18"x12"	F-4	H.M.	1½ HR		10	
9,10	D-4	H.M.	24"x12"	F-4	H.M.	1½ HR	—	4	
11	D-4	H.M.	24"x12"	F-4	H.M.	1½ HR	—	6	
12	D-4	H.M.	—	F-4	H.M.	3 HR	—	3	
13	D-4	H.M.	24"x12"	F-4	H.M.	1½ HR	—	4	
14	D-4	H.M.	24"x12"	F-4	H.M.	1½ HR	—	4	
15	D-4	H.M.	24"x12"	F-4	H.M.	1½ HR	—	4	
LOBBY FLOOR									
1	SPECIAL	ALUM.	—	SPECIAL	ALUM.	—	●	●	● BY DR. MFR.
2	SPECIAL	ALUM.	—	SPECIAL	ALUM.	—	●	●	● BY DR. MFR.
3	D-4	H.M.	24"x12"	F-4	H.M.	—	—	6	
4,6,10,11	D-3	H.M.	18"x12"	F-3	H.M.	—	S-5	11	
5,8	D-5	H.M.	—	F-3	H.M.	—	S-1 ●	3	● DR #3 ONLY ¼" CL. WIRE GL.
7	D-4	H.M.	—	F-3	H.M.	1½ HR	—	5	
9	D-5	H.M.	—		H.M.	—	—	6	¼" CL. WIRE GL.
12	SPECIAL	ALUM.	—	SPECIAL	ALUM.	—	●	●	● BY DR MFR
13	SPECIAL	ALUM.	—	SPECIAL	ALUM.	—	●	●	● BY DR. MFR
14	D-4	H.M.	—	F-4	H.M.	1½ HR	—	4	
15	D-5	H.M.	—	F-3	H.M.	—	—	1	¼" POL. PLATE GLASS
16	SPECIAL	ALUM.	—	SPECIAL	ALUM.	—	●	●	● BY DR. MFR.
17	SPECIAL	ALUM.	—	SPECIAL	ALUM.	—	●	●	● BY DR MFR
18,19	D-3	H.M.	—	F-4	H.M.	—	—	4	
20,20A,25	D-3	H.M.	18"x12" @ 25	F-3	H.M.	1½ HR	S-5 ●	4	● OMIT SADDLE @ DR #25
21	D-2	H.M.	18"x12"	F-4	H.M.	—	S-5	2	
22	D-4	H.M.	—	F-4	H.M.	1½ HR	—	1	
23	D-5	H.M.	18x12	F-4	H.M.	—	—	1	¼" POL. PLATE GLASS
24	D-3A	H.M.	18x12	F-4	H.M.	—	—	2	
26,28,38	D-4	H.M.	—	F-5	H.M.	1½ HR	S-5 ●	3	● OMIT SADDLE @ DR #26 & DR #28
27	D-3	H.M.	—	F-3	H.M.	1½ HR	S-5	3	
29,30,31	BY	ELEVATOR			MANUFACTURER			12	
32,34	SPECIAL	ALUM.	—	SPECIAL	ALUM.	—	●	●	● BY DOOR MFR
33	D-3	H.M.	—	F-5	H.M.	1½ HR	S-2	1	
35,36,37	SPECIAL	ALUM.	—	SPECIAL	ALUM.	—	●	●	● BY DOOR MFR
39	D-1	H.M.	—	F-4	H.M.	—	S-5	2	
40	D-3	H.M.	18x12	F-3	H.M.	—	—	1	
MEZZANINE FLOOR									
1	D-7	H.M.	—	F-3	H.M.	—	—	1	
2	D-3	WOOD	—	F-8	H.M.	—	—	2	
3	D-2	WOOD	18"x12"	F-8	H.M.	—	S-5 ●	2	● SADDLE @ TOILET DOORS ONLY
4	D-3	H.M.	—	F-3	H.M.	1½ HR	S-5 ●	3	● SADDLE @ DISPOSAL CL. ONLY
5	D-3	H.M.	18"x12" ●	F-2	H.M.	1½ HR	S-2 ●	4	● S-2 @ ELEC. CL. ONLY ● LOUVER @ JAN CL. ONLY NO RATING
6	D-4	H.M.	—	F-5	H.M.	1½ HR	—	3	
7	BY	ELEVATOR			MANUFACTURER				
8	D-5 ●	H.M.	—	F-5	H.M.	—	S-4	3	● ¼" CL. WIRE GL. SEE SHT A-3 DET 1
TYPICAL FLOOR									
1	D-4	H.M.	—	F-3	H.M.	1½ HR	S-1	1	CHIME & VIEWER
2	D-3	WOOD	—	F-3	H.M.	—	—	2	
3	D-1	WOOD	—	F-3	H.M.	—	S-5	2	● 1" UNDERCUT
4	D-3	H.M.	—	F-2	H.M.	1½ HR	S-2	4	
5	D-3	H.M.	—	F-3	H.M.	1½ HR	S-5 ●	3	● OMIT SADDLE @ SERVICE CL
6	D-4	H.M.	—	F-5	H.M.	1½ HR	S-2	3	
7	D-5	H.M.	24"x12"	F-3	H.M.	—	S-5	3	¼" POL PLATE GLASS
8	BY	ELEVATOR			MANUFACTURER				
BOILER ROOM & ROOF									
1	D-5 ●	H.M.	—	F-5	H.M.	—	S-4	7	● ¼" CL. WIRE GL. SEE SHT A-7 DET. 6A
2	D-5 ●	H.M.	—	F-5	H.M.	—	S-4	7	● ¼" CL. WIRE GL. SEE SHT A-7 DET. 6
3	D-8	H.M.	2 TRANSOM	F-5	H.M.	—	S-4	12	
4	D-4	H.M.	—	F-5	H.M.	1½ HR	—	8	

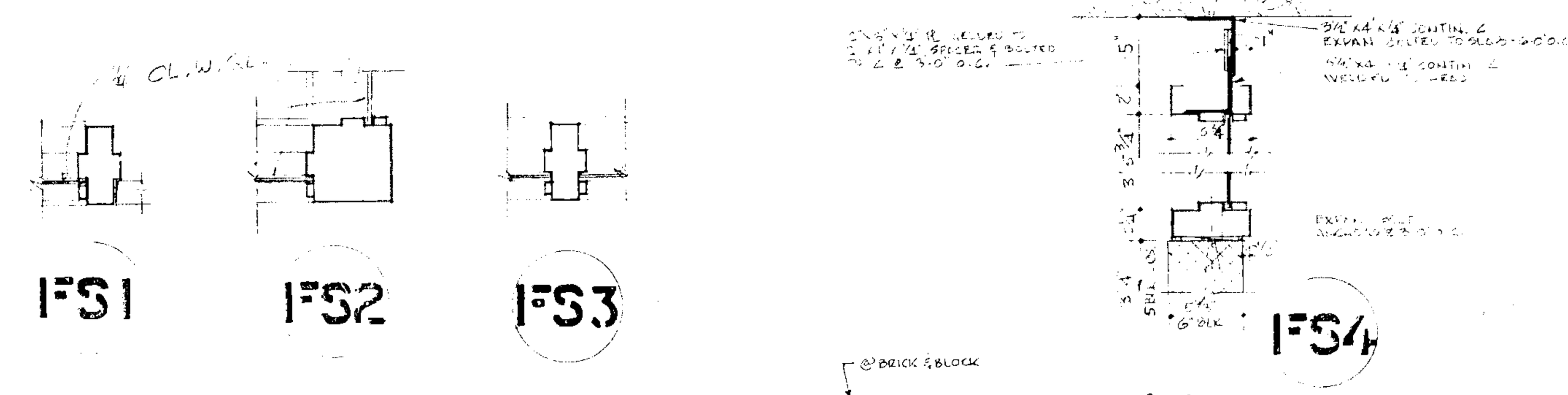
LEGEND OF ABBREVIATIONS

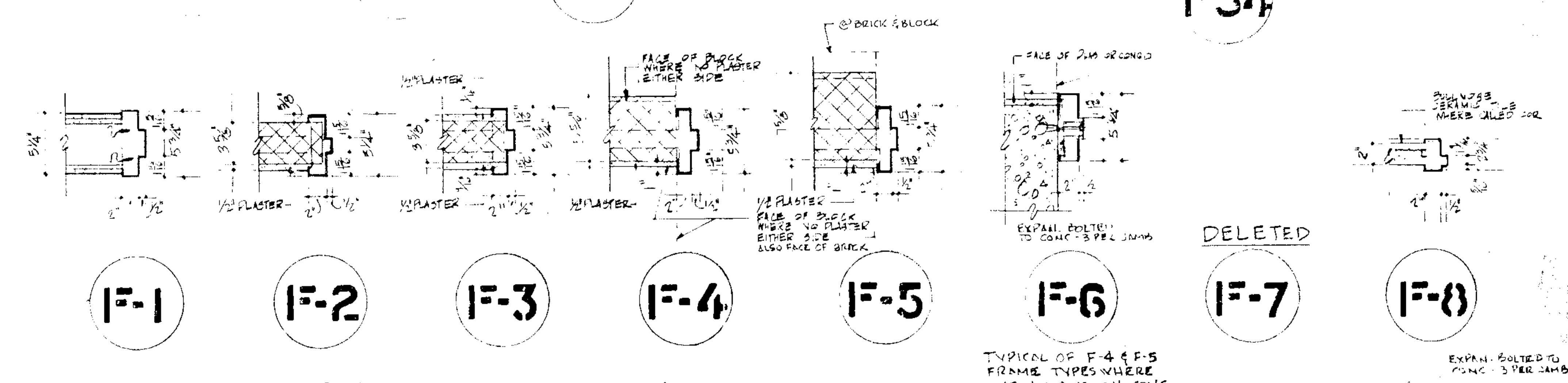
H.M.	HOLLOW METAL
ALUM	ALUMINUM



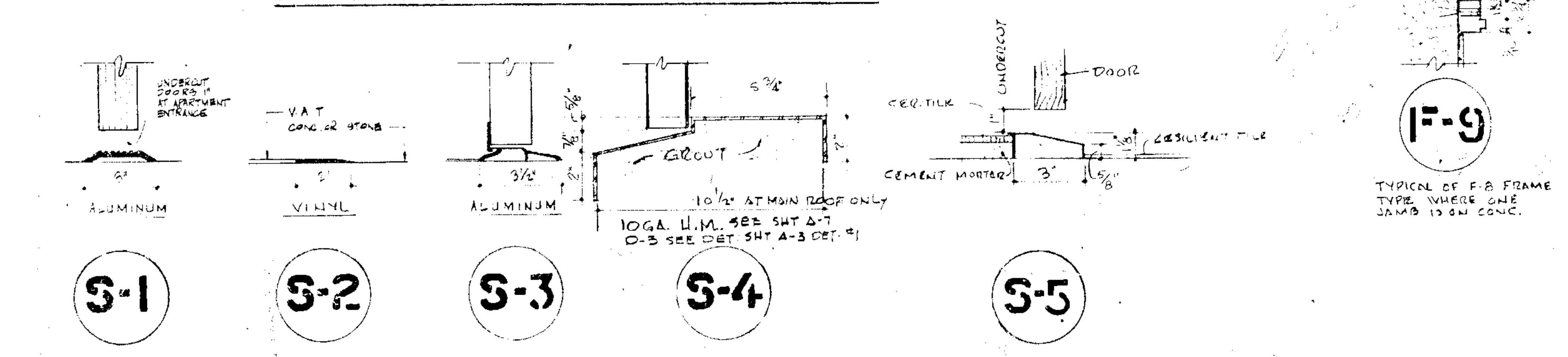
DOOR TYPES SCALE: ¼"=1'0"



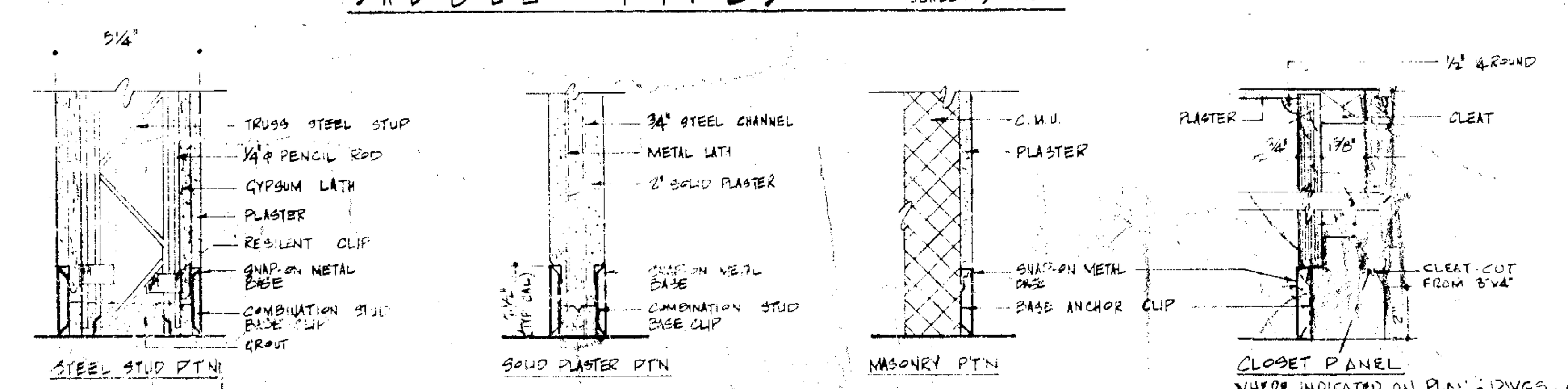




FRAME TYPES SCALE: 1½"=1'-0"



SADDLE TYPES SCALE: 3"=1'-0"

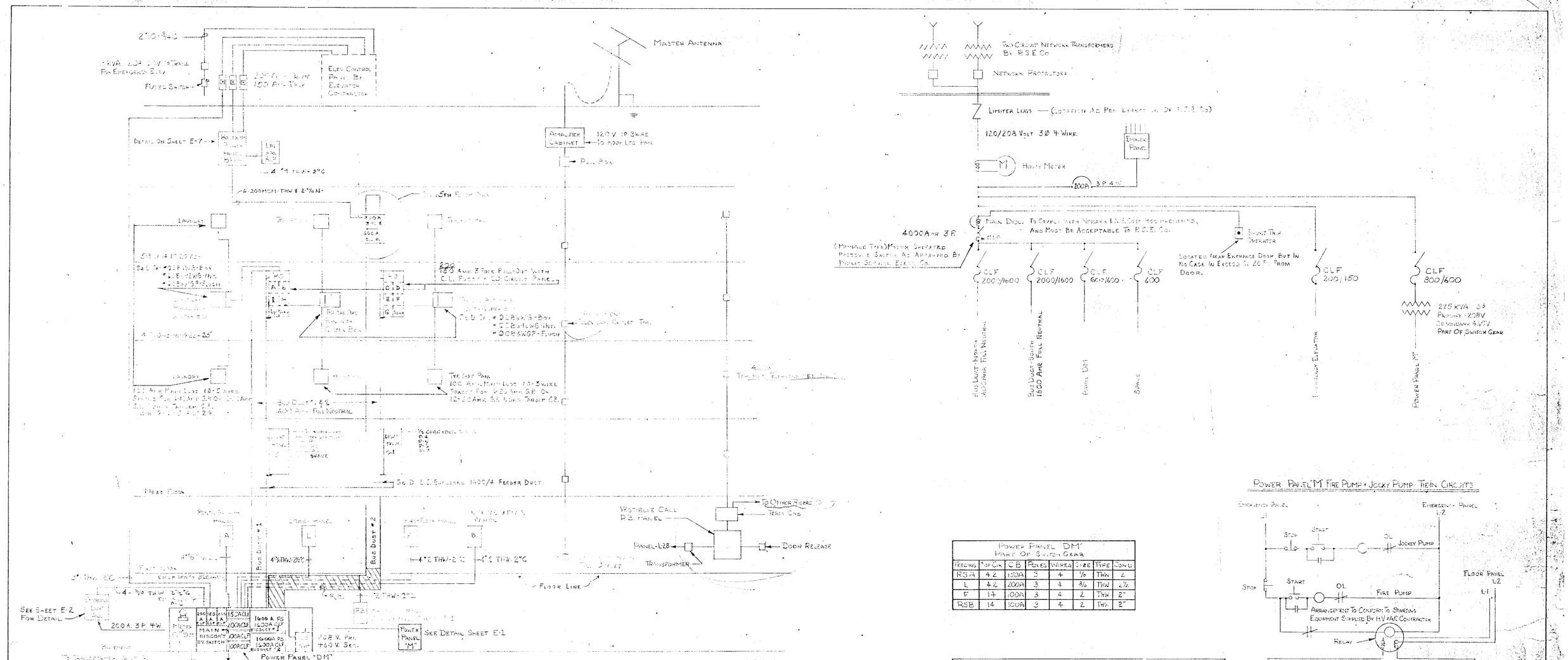


PARTITION BASE DETAILS SCALE: 3"=1'0"

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: DOOR & FINISH SCHEDULE AND DETAILS

DRAWN BY: WJO
CHKD. BY: RB
SCALE:
PROJECT: TAVERN APARTMENTS, 440 ELIZABETH AVE., NEWARK, NEW JERSEY
DRAWING NO. A-14
SHEET 16 OF 55
N.J. CERTIFICATE NO. C-1704



SWITCHGEAR NOTES:

MAIN DISCONNECT MUST COMPLY WITH NEWARK, N.J. (N.E. CODE REQUIREMENTS AND BE ACCEPTABLE & SO APPROVED BY P.S. ELECTRIC & GAS CO. (SUCH AS PRINGLE TYPE PRESSURE SWITCH, MOTOR OPERATED)
SUBMIT DETAILED SPECIFICATIONS FOR APPROVAL.

BUS:

BUS STRUCTURE MUST BE MOUNTED ON HIGH QUALITY, HIGH IMPACT INSULATORS AND ADEQUATELY BRACED TO WITHSTAND MAXIMUM SHORT CIRCUIT CURRENTS.
PROVIDE WIRING SPACE AT TOP OF SWITCHBOARD, FULL LENGTH AND DEPTH, AND SEPARATED FROM THE SWITCHBOARD SECTIONS BY ADEQUATE THICKNESS OF FIRE PROOF INSULATING MATERIAL.
ENTIRE ASSEMBLY OF INDIVIDUAL SECTIONS SHALL CONSIST OF THE REQUIRED NUMBER OF FORMED AND BRACED SHEET STEEL ENCLOSURES, FRONT AND REAR CHANNELS, ENCLOSED FRONT, REAR, TOP AND SIDES OF REMOVABLE STEEL PLATES, NOT LESS THAN 12 GAUGE. ALL SHALL BE CHEMICALLY TREATED AND RUST PROOFED.
BUS RATING SHALL BE COPPER, 98% CONDUCTIVITY, ROUND EDGE, ALL JUNCTIONS OR BONDS SILVER PLATED.
NEUTRAL SHALL BE 100% FULL CAPACITY AND INSULATED FROM SWITCHBOARD STRUCTURE, IT SHALL BE PROVIDED WITH SUITABLE SOLDERLESS LUGS FOR ALL OUTGOING NEUTRAL CABLES.

MOTORS

ALL MOTORS THROUGH TO BE WIRED IN STRICT OBSERVANCE OF N.E. CODE AND CITY OF NEWARK, N.J. ELECTRICAL CODE. CONTRACTOR FOR HEATING VENTILATION AND AIR CONDITIONING WILL FURNISH DETAILED WIRING DIAGRAMS AND CONTROL EQUIPTMENT TO THE ELECTRICAL CONTRACTOR WHO SHALL FURNISH ALL DISCONNECTS AND COMPLETE THE WIRING SYSTEM, READY FOR OPERATION.
ALL MOTOR RATINGS, VOLTAGES, PHASE, SPEED, LOCKED ROTOR AND FULL LOAD AMPERE CURRENT SHALL BE FURNISHED BY HEATING, VENTILATION, AND AIR CONDITIONING CONTRACTOR.

Power Panel "DM" Part Of Switch Gear

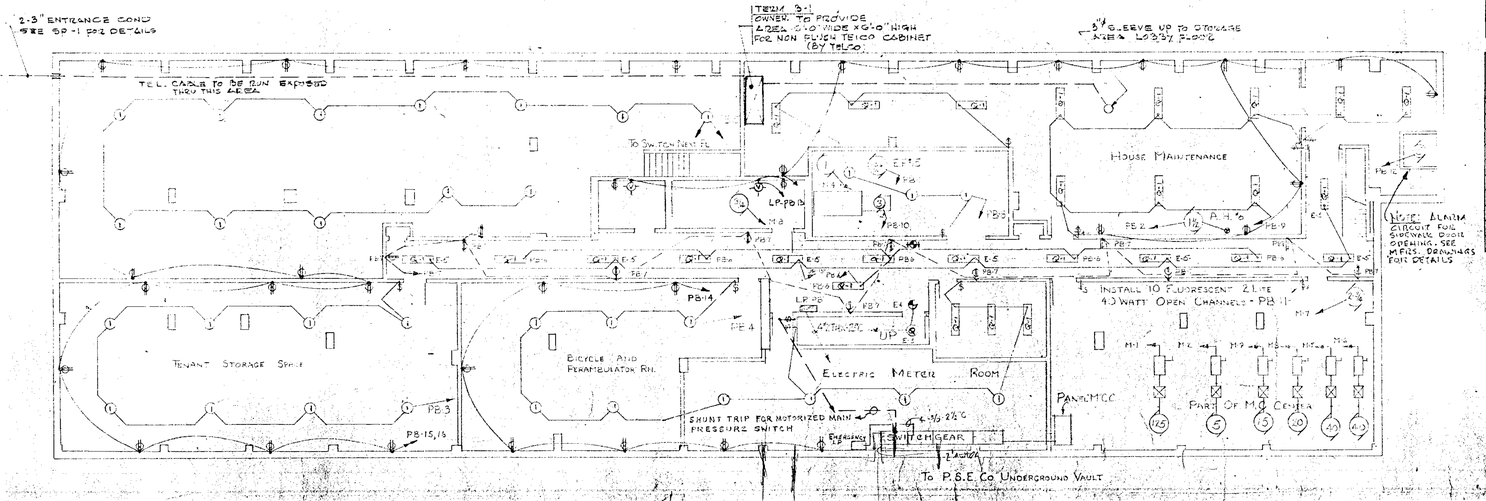
Feeding	Tot Cir.	C.B.	Poles	Wires	Size	Type	Cond
RSA	42	100A	3	4	1/0	THW	2"
L	42	200A	3	4	3/0	THW	2½"
F	14	100A	3	4	2	THW	2"
RSB	14	100A	3	4	2	THW	2"

Basement Panel PB 20 Circuits

No.	Serving	H.P. Watt	Volts	Pole	Frame	Trip	Wires	Size	Cond	Insn
1	Entrance Fan "B"	1/3	120	1	EA	5	2	14	¾"	THW
2	Air Handler #6	½	208	3	1	20	3	12	¾	↓
3	Tenant Storage Space	–	120	1	1	5	2	14	½"	
4	Bicycle & Distributor	–	120	1		15	2	12	½"	
5	Rental Storage	–	120	1		15	2	12	½"	
6	½ Corridor Lights	–	120	1		10	2	12	½"	
7	Corridor Receptacles		120	1		15	2	12	½"	
8	Compactor Room	–	120	1		15	2	12	½"	
9	House Maintenance	–	120	1		15	2	12	½"	
10	Compactor	3	208	3		30	3	12	½"	
11	Mech. Equip. Room	–	120	1		15	2	12	½"	
	Sidewalk Elevator	5	208	3		30	3	12	½"	
13	Elevator Pits	–	120	1		20	2	12	½"	
14	Receptacles		120	1		15	2	12	½"	
15,16	Receptacles		120	1	↑	15		12	½"	↑
17-30	Spares									

Power Panel "M" Control Center Part Of Switch Gear

No.	Serving	HP	Volts	Pole	Frame	Trip	Wires	Size	Cond	Insn
1	Fire Pump	125	460	3	JA	225	3	4/0	2"	THW
2	Jockey Pump	5	460	3	EH	20	3	12	½"	THW
3	Booster Pump #2	20	460	3	EH	50	3	8	3/4"	THW
4	Recirculating Pump	1	460	3	EH	15	3	12	½"	THW
5	Circulating Pump #1	40	460	3	FA	100	3	6	1¼"	THW
6	Circulating Pump #2	40	460	3	FA	100	3	6	1¼"	THW
7	Duplex Sump	2-3/4	460	3	EH	15	3	12	½"	THW
8	Submersible Pump	3/4	460	3	EH	15	3	12	½"	THW
9	Booster Pump #1	20	460	3	EH	40	3	10	¾"	THW
10	Space									



ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: Basement, One Line, & Riser Diagram

DRAWN BY: TR
CHKD. BY: EK
SCALE: None
DRAWING NO. E1
SHEET 4 OF 15

PROJECT: Tavern Apartment, 440 Elizabeth Avenue, Newark, New Jersey

DATE 1/20/69
REVISIONS: A, B, C, D, E

Emil A. Kern, P.E.
Consulting Engineer
New Jersey 4413
715 Varsity Road
So. Orange, N.J.

Com'l. No. 1534

N.J. CERTIFICATE NO. C-1784

Motor Schedule - Consolidated

Panel No.	Ckt. No.	Motor	HP	Volt	Branch Circuit No. Wires	Size	Cond.	Location Of Motor
R	7	Roof Exhaust Fans	4 3/4	208	2	10	3/4"	Roof-North
R	8	Roof Exhaust Fans	18 1/2	208	2	8	3/4"	Roof-South
BR	4	Boiler #1	7 1/2	208	[illegible]	[illegible]	[illegible]	Boiler Room
BR	5	Boiler #2	7 1/2	208	[illegible]	[illegible]	[illegible]	Boiler Room
BR	6	[illegible] Unit	5	[illegible]	[illegible]	[illegible]	[illegible]	Boiler Room
BR	[illegible]	Cooling Tower #1	20	[illegible]	[illegible]	6		Roof-South
BR	8	Cooling Tower #2	20	[illegible]	[illegible]	6		Roof-South
BR	9	Elevator #1	30	208	3	1/0	2"	Elevator Machine Room-Roof
BR	10	Elevator #2	30	[illegible]	3	1/0	2"	Elevator Machine Room-Roof
BR	[illegible]	Boiler Feed Pump #1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Boiler Room
BR	[illegible]	Boiler Feed Pump #2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Boiler Room
BR	3	[illegible] Water Pump	[illegible]	[illegible]	[illegible]	6	[illegible]	Boiler Room
[illegible]	2	Air Compressor	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Boiler Room
[illegible]	3	Air Handler	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Penthouse Roof
L		Exhaust Fan	[illegible]	110	2	14	1/2"	First Floor - Womens Toilet
RSA	[illegible]	Air Handler #1	2	208	3	12	1/2"	First Floor - Rental Space
L	[illegible]	Electric Heater #2	[illegible]	208	2	12	1/2"	[illegible]
L	4	Fan Coil #6	[illegible]	110	2	14	1/2"	First Floor [illegible]
RSA	5	[illegible]	[illegible]	110	2	14	1/2"	First Floor - Mens Room
RSA	6	Air Handler #2	[illegible]	208	3	12	1/2"	First Floor - Lunch Room
[illegible]	[illegible]	Electric Heater	[illegible]	208	2	14	1/2"	[illegible] Parking Attendant
L	[illegible]	Exhaust Fan	[illegible]	110	2	14	1/2"	[illegible] Womens Toilet
RSB	[illegible]	Exhaust Fan	[illegible]	110	2	14	1/2"	[illegible] Toilet
RSB	[illegible]	Exhaust Fan	[illegible]	110	2	14	1/2"	[illegible] Toilet
L	[illegible]	Exhaust Fan	[illegible]	110	2	14	1/2"	[illegible] Mens Toilet
L	[illegible]	Air Handler #4	[illegible]	208	3	14	1/2"	[illegible] Storage
L	3	Air Handler #5	[illegible]	208	3	14	2"	[illegible] Storage
L	4	Fan Coil #5	[illegible]	110	2	14	1/2"	[illegible]
[illegible]		[illegible] Pump	12.5	[illegible]	3	[illegible]	[illegible]	[illegible]
[illegible]		[illegible] Pump	5	[illegible]	3	4	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	[illegible]	Basement [illegible]
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Basement Elevator Pit
[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] Maintenance
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	1/2	208	3	12	1/2"	[illegible]
SB		Elevator #3	30	208	3	1/0	2	Elevator Machine Room (Roof)
PB	[illegible]	Sidewalk Elevator	5	208	3	12	[illegible]	Receiving Room

Panel Schedule

Panel Board #	Ckt. No.	Mains No. Poles	Wires	Lugs Amps	C.B. Amps	Branches 1P No.	1P Amps	2P No.	2P Amps	3P No.	3P Amps	Type	Feeder Conductors No.	AWG	Type	Conduit Size	Location
	Typical																
1	SR	3		2-300/ϕ	600					14	—	CB	8	300 MCM	THW	2 1/2"	Roof-Boiler Room
1	R	3	4	100	100	16	20	—	—	—	—	CB	4	2	THW	2"	Roof-Boiler Room
1	F	3	4	100	100	31	20	—	—	1	20	CB	4	2	THW	2"	First Floor
1	[illegible]	3	4	100	100	15	20	—	—	3	30	CB	4	2	THW	2"	Basement
1	[illegible]	3	4	200	200	24	20	—	—	—	—	CB	4	3/0	THW	2 1/2	Basement
	[illegible]			See [illegible]									Part Of Switchgear				
1	[illegible]	3	4	100	110	20	20	3	15	—	—	CB	4	2	THW	2"	First Floor
1	[illegible]	3	4	150	150	46	20	—	—	—	—	CB	4	1/0	THW	2"	First Floor
1	[illegible]	3	4	100	100	34	20	—	—	—	—	CB	4	2	THW	2"	First Floor
2	[illegible]	3	4	400	400	4	20	—	—	3	100	CB	Plug-In				Mezzanine
1	P-1	3	4	100	100	16	20	—	—	—	—	CB	4	2	THW	2"	
1	P-2	3	4	100	100	16	20	—	—	—	—	CB	4	2	THW	2"	
1	P-3	3	4	100	100	16	20	—	—	—	—	CB	4	2	THW	2"	
1	P-4	3	4	100	100	[illegible]	20	—	—	—	—	CB	4	2	THW	2"	
1	P-5	3	4	100	100	16	20	—	—	—	—	CB	4	2	THW	2"	
1	P-6	3	4	100	100	16	20	—	—	—	—	CB	4	2	THW	2"	
1	P-7	3	4	100	100	13	20	—	—	—	—	CB	4	2	THW	2"	
CB	[illegible]	2	3	100	50	6	20	—	—	—	—	CB	3	6	THW	1"	Typical Floor

Emergency Panel

No	Serving	Volts	Pole	Frame	Trip	Wires	Size	Ins.	Cond.
1	Exit Lights	120	1	EA	20	2	12	TW	1/2"
2	Stair Lights	120	1	EA	20	2	12	TW	1/2"
3	Stair Lights	120	1	EA	20	2	12	TW	1/2"
4	Exit Lights	120	1	EA	20	2	12	TW	1/2"
5	1/2 Corridor Lights	120	1	EA	20	2	12	TW	1/2"
6	↓	120	1	EA	20	2	12	TW	1/2"
7	↓	120	1	EA	20	2	12	TW	1/2"
8	↓	120	1	EA	20	2	12	TW	1/2"
9	Air Craft Warning Sys.	120	1	EA	20	2	12	TW	1/2"
10	↓	120	1	EA	20	2	12	TW	1/2"
11	↓	120	1	EA	20	2	12	TW	1/2"
12	↓	120	1	EA	20	2	12	TW	1/2"
13	Elevator Cab Lights	120	1	EA	20	2	12	TW	1/2"
14	1/2 Corridor Lights	120	1	EA	20	2	12	TW	1/2"
15	↓	120	1	EA	20	2	12	TW	1/2"
16	↓	120	1	EA	20	2	12	TW	1/2"
17	↓	120	1	EA	20	2	12	TW	1/2"
18-24	Spares								

Note: Sizes Given Are Minimum. Larger Sizes Shall Be Used Where Necessary To Limit Voltage Drop To [illegible]

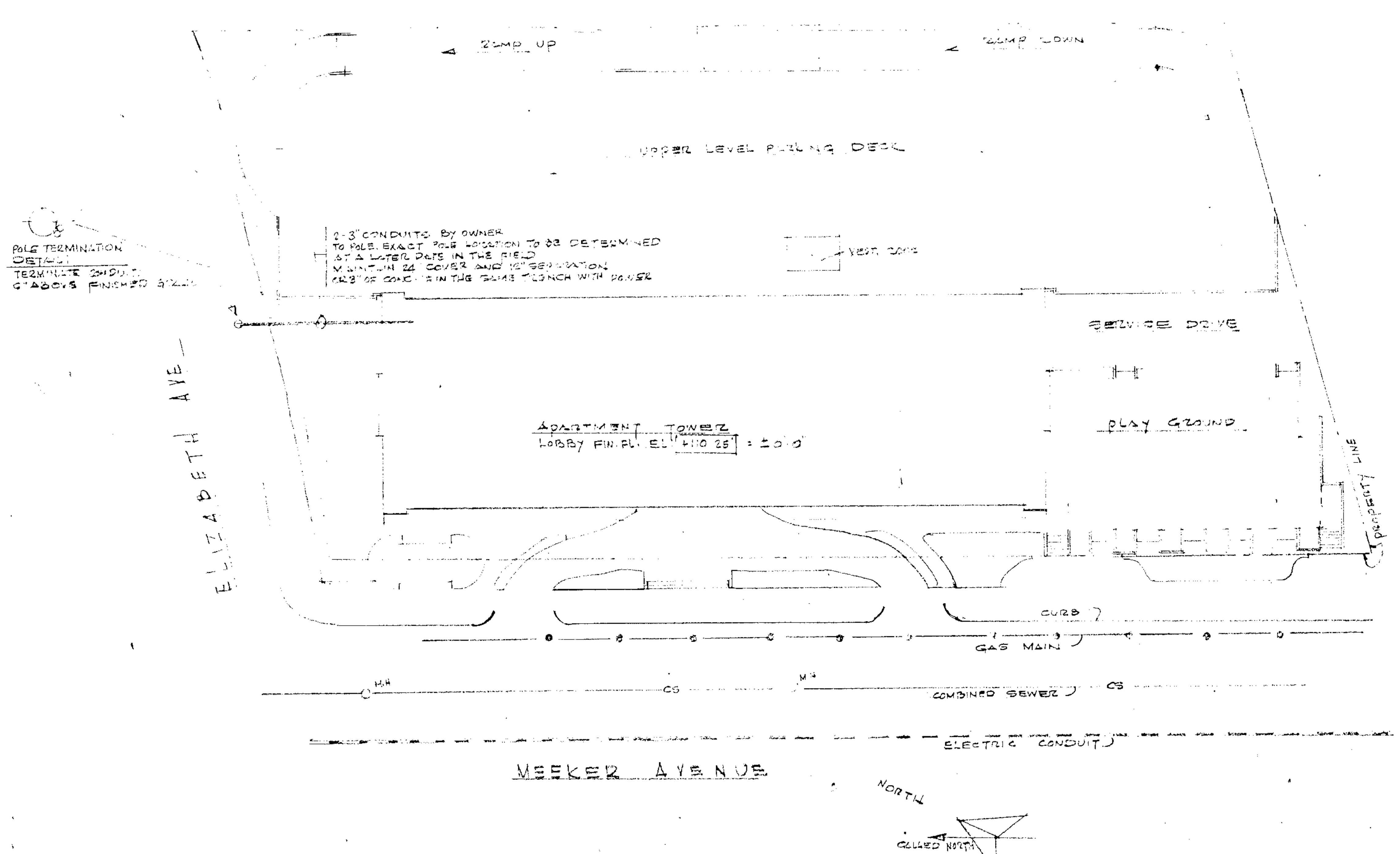
Electrical Symbols

- Ceiling Incandescent Light Fixture
- Wall Mounted Incandescent Light Fixture
- Wall Mounted Incandescent Light Fixture With Integral Receptacle
- Exit Light
- Fluorescent Light Fixture
- Duplex Appliance Receptacle
- Switched Convenience Receptacle
- Telephone Jack
- Single Pole Switch
- Three-Way Switch
- Television Outlet
- Conduit Turned Down
- Conduit Turned Up
- Conduit Run Concealed In Wall Or Ceiling Or Exposed In Service Spaces
- Conduit Run Concealed In Floor Slab
- Duplex Convenience Receptacle
- Thermostat
- Home Run To Panel. Arrowheads Indicate No. Of Circuits

Fixture Schedule

Fix. Leg.	Location	Size	No. Of Lamps	Lamp Watts	Manufacturer	Cat. No.	Mounting
A	[illegible]	2x4	[illegible]	[illegible]	[illegible]	[illegible]	Recessed
B	Roof	—	1	150	Stonco	PAR 38 FL	Surface
E	Exits	—	2	40	Jelco-Lite	9009(w Diode)	Surface
[illegible]	Exits	—	2	25	Jelco-Lite	9005(w Diode)	Surface
F		—	2	100	W'Rod	A141VT	Surface
G	Site Lighting	—	1	300A	Street-Lighting	DH-12-Mod	—
H	Gallery & Vestibule	—	1	150R40	Jelco-Lite	R7074	Recessed
J	Site Lighting	—	1	[illegible]	W'Rod	C322B	Pedestal
K	Professional Suites	2x4	4	40F	Nefco	103MG 4/40 RS-24-K12A	Surface
L	Boiler Room	—	1	150A	[illegible]	HF-150	Surface
M	Lavatories	—	1	100A	Progress	P4412 AL	Surface
N	Foyers & Apt Halls	—	1	100A	Progress	P4422 BR	Surface
O	Kitchens	—	2	40F	Nefco	300-2/40RS-K12A	Surface
P	Kitchen Cabinets	—	1	20F	Nefco	[illegible]	[illegible]
Q	Halls	—	2	40F	Nefco	258-2/40 RS-K12A	Surface
Q-1	Stairs	—	1	40F	Nefco	147-1/40 RS-K12A	Surface
R	Dining Areas	—	3	60A	Progress	P4182-10	Surface
S	Baths	—	2	60A	Jelco-Lite	444	Surface
T	Garage	—	2	40F	Nefco	147-96-2/40-K12A	Surface
V	Secondary Entrance	—	1	100A	Jelco-Lite	R260	Surface
X	Boiler Room	—	2	40F	Nefco	240 IND	Pendent
*1	Misc. Areas	—	1	100A	Bryant	5228	Surface

Chandelier In Lobby To Be Selected By Architect - Allow $400



Site Plan

Scale 1" = 20'-0"

Emil A. Kern P.E.
Consulting Engineer
New Jersey #4418
715 Academy Road
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Comm. No. 1534

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

Title: Motor, Panel & Symbol Schedule

Drawn By: D.S. | Chkd. By: E.K. | Scale: Noted | Date: 1/21/69

Project: Tavern Apartment, 440 Elizabeth Avenue, Newark, New Jersey

Drawing No. E2 | Sheet 50 of 55

Revisions: A, B, C, D, E

N.J. Certificate No. C-1784

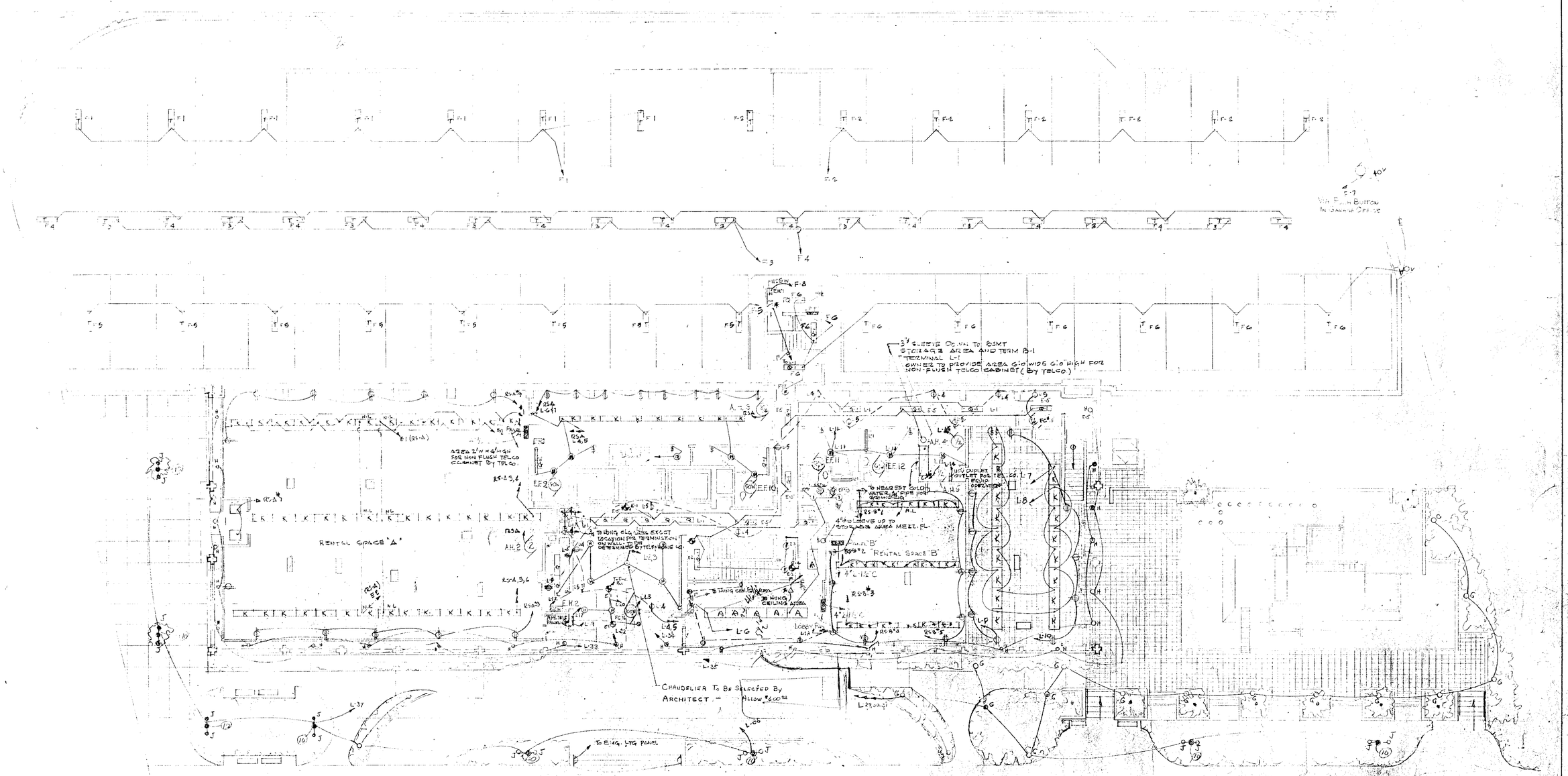
FIRST FLOOR LIGHTING PANEL "L"

Nº	SERVING	VOLTS	POLE	FRAME	TRIP	WIRE	SIZE	INSN	CONDT	H.P.
1	TELE BOOTH - LOBBY	120	1	EA	20	2	12	TW	1/2	–
2	LOBBY LIGHTS	120	1		20	2				–
3	LOBBY LIGHTS	120	1		20	2				–
4	LOBBY & CORR. RECPT	120	1		20	2				–
5	LOBBY & CORR. RECPTS	120	1		20	2				–
6	MANAGER'S OFFICE	120	1		20	2				–
7	COMMUNITY RM LIGHTS	120	1		20	2				–
8	COMMUNITY RM LIGHTS	120	1		20	2				–
9	COMMUNITY RM RECEPT	120	1		20	2				–
10	COMMUNITY RM RECEPT	120	1		20	2				–
11	MEN'S & LADIES RM.	120	1		20	2				–
12	EH-2 MAIL RM.	120	1		20	2		AWA		–
13	EC-16 MAIN ENT.	120	1		20	2		TW		–
14	TELE OUTLET-SC	120	1		20	2				–
15	AH-4	208	3		20	3				1/2
16	AH-5	208	3		20	3				1/2
17	MAIN ENT. LIGHTS	120	1	↑	20	2	↑	↑	↑	–
18	RECPT MGR	120	1	EA	20	2	12	↓	1/2	–
19	VESTIBULE CALL PANEL	120	1		20	2				–
20	OUTER LOBBY LIGHTS	120	1		20	2		TW		–
21	SPARE	120	1		20	2		TW		–
22	SPARE	120	1		20	2		TW		–
23-28	SPARE	120	1	↑	20	2	↑	↑	↑	–
29	PLANTING LIGHT	120	1	EA	20	2	12	TW	1/2	
30	PLANTING LIGHT	120	1	EA	20	2	12	TW	1/2	–
31	PLANTING LIGHT	120	1	EA	20	2	12	TW	1/2	–
32	CANOPY LIGHTING									–
33	CANOPY LIGHTING									–
34	CANOPY LIGHTING									–
35	CANOPY LIGHTING									–
36	FRONT POLE LIGHTS									–
37	FRONT POLE LIGHTS									–
38-42	SPARE	↑	↑	↑	↓	↓	↑	↑	↑	–

100 AMP 3 POLE CONTACTOR

GARAGE PANEL "F"

Nº	SERVING	VOLTS	POLE	FRAME	TRIP	WIRE	SIZE	INSN	CONDT	HP
1	PARKING 1ST LEVEL	120	1	EA	20	2	12	TW	1/2	–
2	" " "	120	1							–
3	" " "	120	1							–
4	" " "	120	1							–
5	" " "	120	1							–
6	PARKING GARAGE	120	1							–
7	OVERHEAD DOOR	120	1					TW		–
8	E.H. #1	120	1	EA	20	2	12	AWA	1/2	
9-14	SPARE									



* NOTE:
PHONE LOCATIONS SHOWN ARE TO ILLUSTRATE ROUTING ONLY.
EXACT LOCATIONS TO BE DETERMINED BY OWNER AT A LATER DATE.
ALL TELEPHONES ON THIS FLOOR TO BE SERVICED BY RUNNING OVERHEAD THRU HUNG CEILING TO TERM L-1 OR TERM L-2

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1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: FIRST FLOOR

DRAWN BY: DS
CHKD BY: E.K.
SCALE: 1/8" = 1'-0"
DRAWING NO. E3
SHEET(S) OF 55

PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVENUE, NEWARK, NEW JERSEY

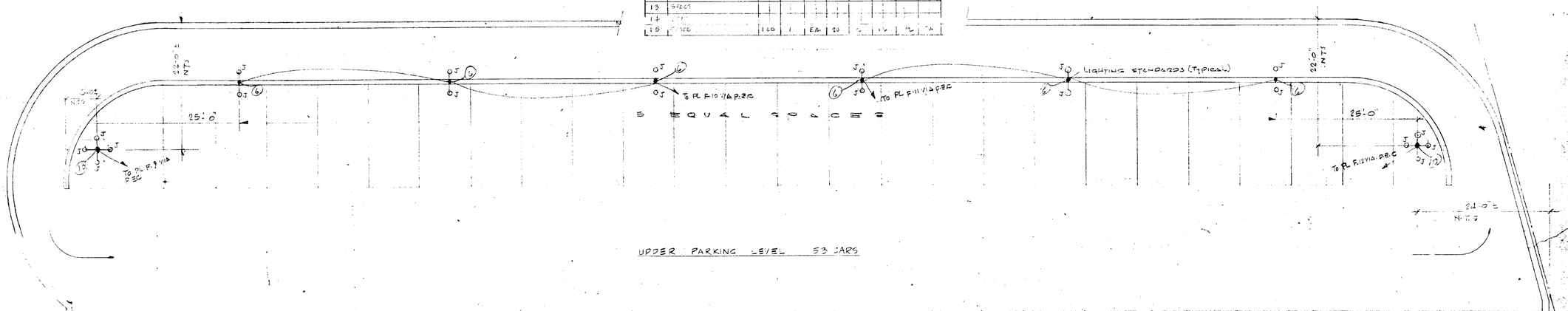
DATE 1/24/61
REVISIONS: A, B, C, D, E

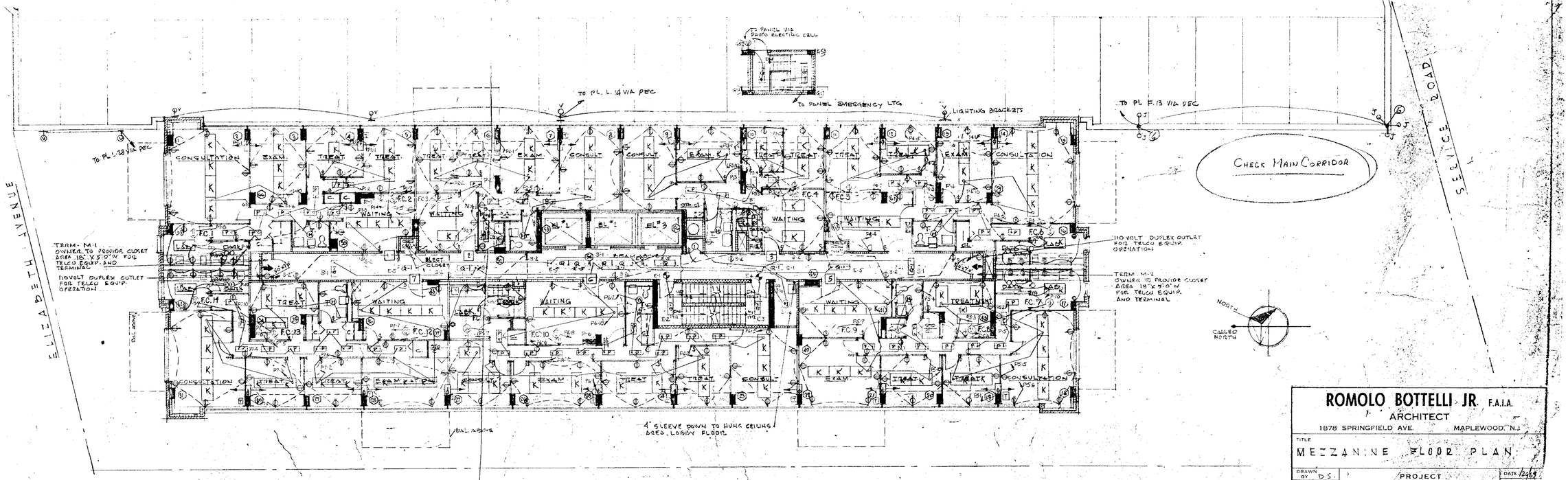
N.J. CERTIFICATE NO. C-1781

Mezzanine Lighting Panel "S"											
No.	Serving	Watts	Volts	Pole	Frame	Trip	Wire	Size	Inst'n	Cond'T
1	½ Corridor Lights		120	1	EA	20	2	12	TW	¾
2	Corridor Receptacles		120	1	EA	20	2	12	TW	¾
3	P-1		208	3	FA	100	4	3	THW	1½
4	P-2		208	3	FA	100	4	3	THW	1½
5	P-3		208	3	FA	100	4	3	THW	1½
6	Spare		120	1	EA	20	2	12	TW	¾

Mezzanine Lighting Panel "S-1"										
No.	Serving	Watts	Volts	Pole	Frame	Trip	Wire	Size	Inst'n	Cond'T
1	½ Corridor Lights		120	1	FA	30	3	12	TW	¾
2	P-4		208	3	FA	100	4	3	THW	1½
3	P-5		208	3	FA	100	4	3	THW	1½
4	P-6		208	3	FA	100	4	3	THW	1½
5	P-7		208	3	FA	100	4	3	THW	1½

Typical Professional Suite Panel									
No	Serving	Volts	Pole	Frame	Trip	Wire	Size	Cond'	Ins'n
1	Air Handler	208	2	EA	30	2	10	¾	TW
2	Lights	120	1	EA	20	2	12	½	TW
3	Lights	120	1	EA	20	2	12	½	TW
4	Receptacles	120	1						
5	Receptacles	120	1						
6	Receptacles	120	1						
7	Fan Coil	120	1						
8	Fan Coils or Space	120	1						
9	Dark Room & Lab.	120	1						
10	Lights	120	1						
11	Lab.								
12	Space								
13	Space								
14	Space								
15	Space	120	1	EA	20	2	12	½	TW





Note: Telephone locations indefinite - entire floor to be served thru hung ceiling area. All telephones on this floor to be served by running overhead thru hung ceiling to term. M-1 and M-2

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Conn No. 1534

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

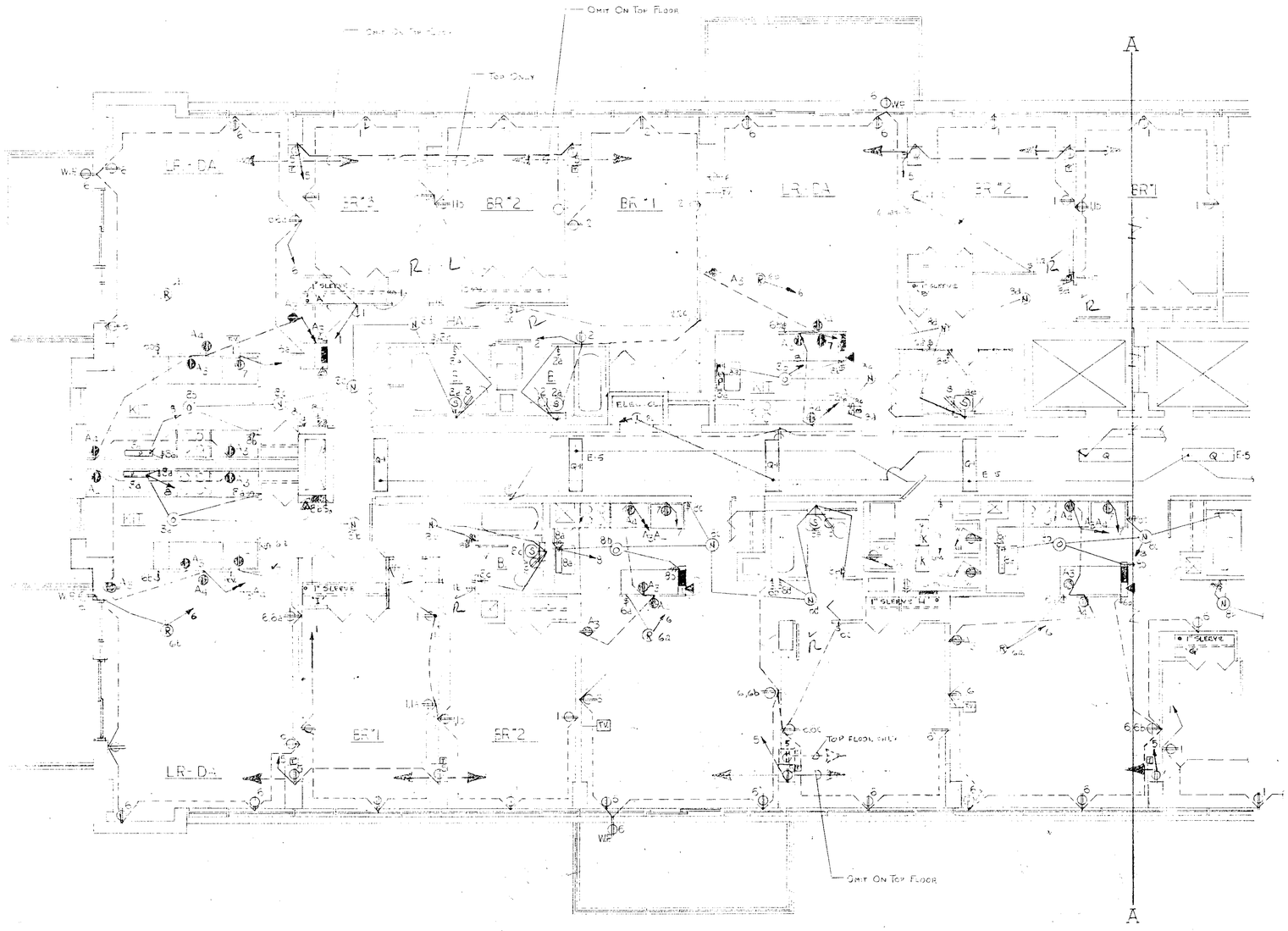
Title: MEZZANINE FLOOR PLAN

Drawn by: D.S.
Chkd. by: E.K.
Scale: 1/8" = 1'-0"
Drawing No. E4
Sheet 52 of 53

Project: TAVERN APARTMENT
440 ELIZABETH AVENUE
NEWARK, NEW JERSEY

Date: 12/63
Revisions: A, B, C, D, E

N.J. Certificate No. C-1784



Typical Apartment Panel									
No.	Services	Volts	Phase	Wire	Amp	Wires	Size	Use	Height
1	Bedrooms			EA	5				1/2
2	Bedroom			EA	5				
3	Appliance K & DA			EA					
4	Appliance K & DA			EA					
5	Air Handler			EA					
6	Living Room			EA					
7	Entrance			EA					
8	Kitchen			EA					1/2

Unit Panel							
1							
2							
3							
4	Electric		EA	20		2	

NOTE: Check Location of TV Outlets With Architect On All Apartments.

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COMM. NO. 1534

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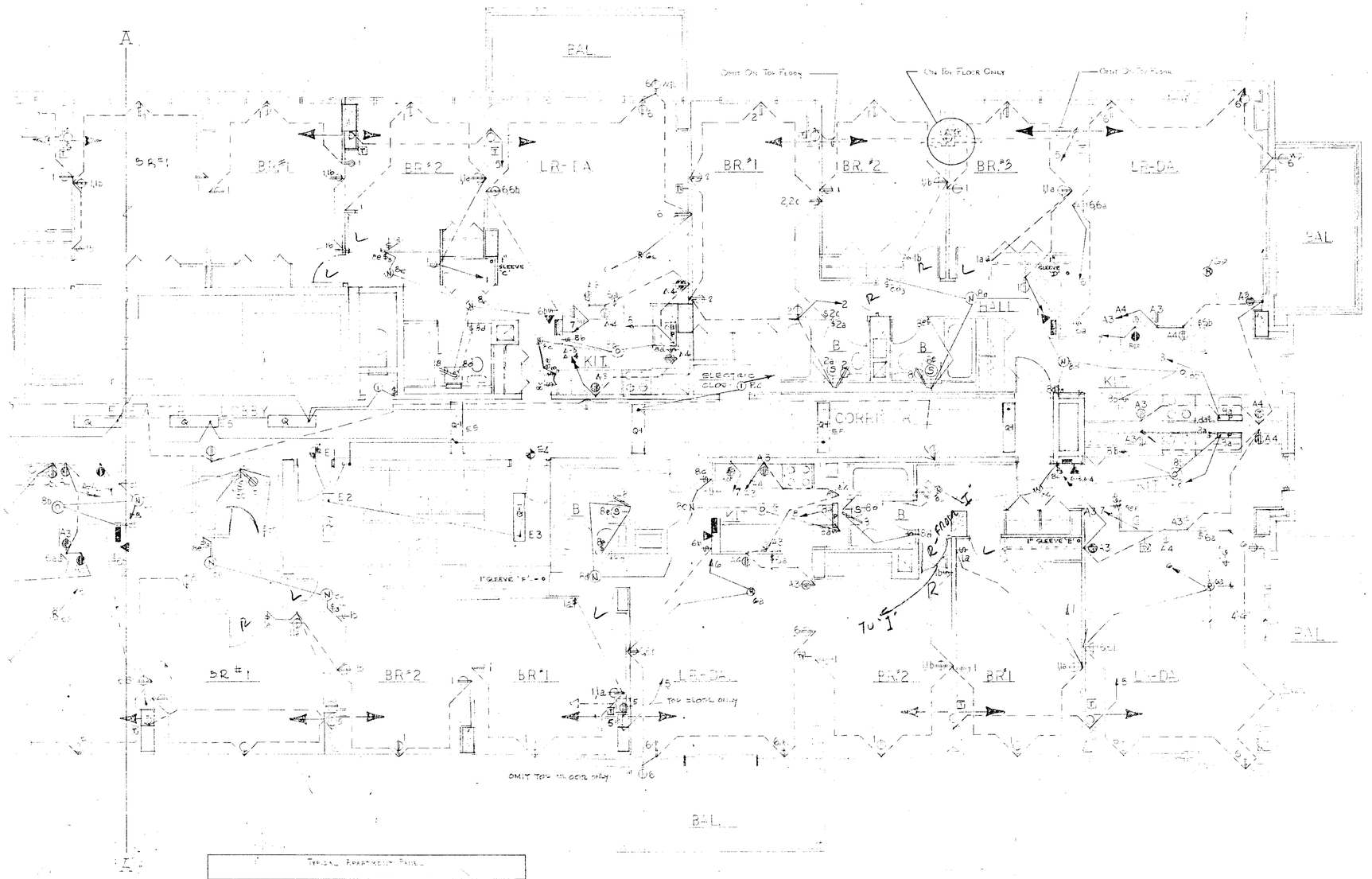
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: TYPICAL APARTMENTS - NORTH

DRAWN BY D.S.
CHKD. BY E.K.
SCALE 1/4" = 1'-0"
DRAWING NO. E5
SHEET 5 OF 5
N.J. CERTIFICATE NO. C-1784

PROJECT
AVERY APARTMENT
440 ELIZABETH AVENUE
NEWARK, NEW JERSEY

DATE 1/5/62
REVISIONS
A
B
C
D
E



Typical Apartment Panel										
No.	Serving	Volts	Pole	Frame	Trip	Wire	Size	Junction	Condt
1	Bedrooms	120	1	EA	[illegible]	[illegible]	[illegible]	[illegible]	½
2	Bedroom	120	1	EA	[illegible]	[illegible]	[illegible]	[illegible]	1
3	Appliance, Ktn & Din. A	120	1	EA	[illegible]	[illegible]	[illegible]	[illegible]	1
4	Appliance, Ktn & Din. A	120		EA	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	Air Handler	[illegible]		EA	[illegible]	[illegible]	[illegible]	[illegible]	1
6	Living & Dining Room	[illegible]		EA	[illegible]		[illegible]	[illegible]	1
7	Refrigerator			EA	[illegible]		4	[illegible]	1
8	Kitchen	[illegible]		EA	[illegible]		[illegible]	[illegible]	½

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

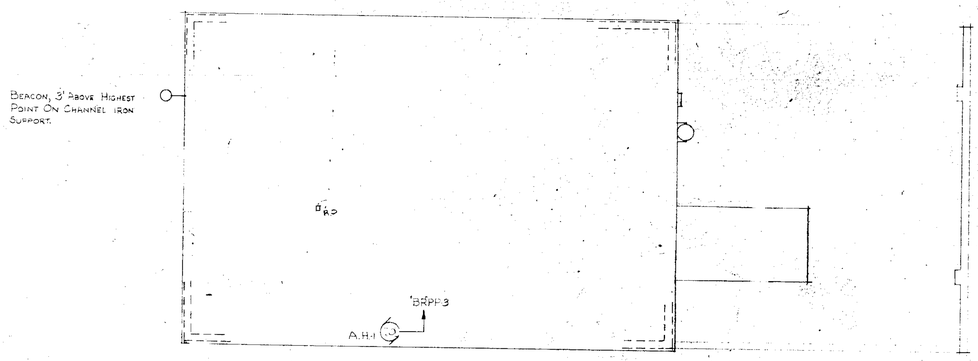
TITLE: Typical Apartments - South

DRAWN BY: D.S.
CHKD. BY: E.K.
SCALE: 1/2"=1'-0"
DRAWING NO.: 156

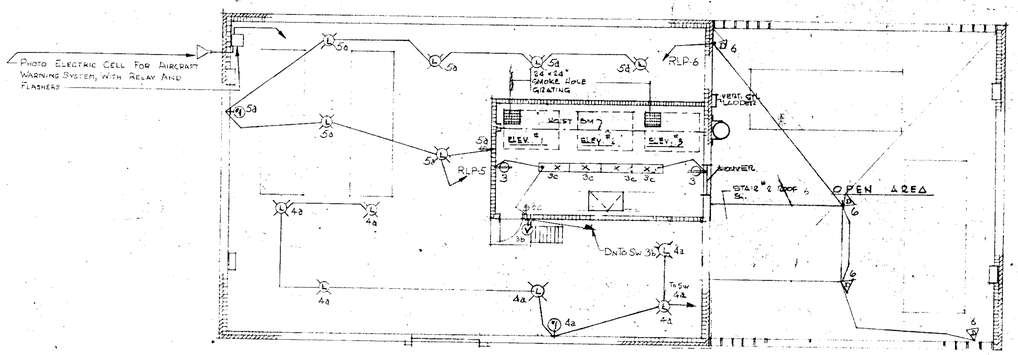
PROJECT

DATE: 7/20
REVISIONS: A, B, C

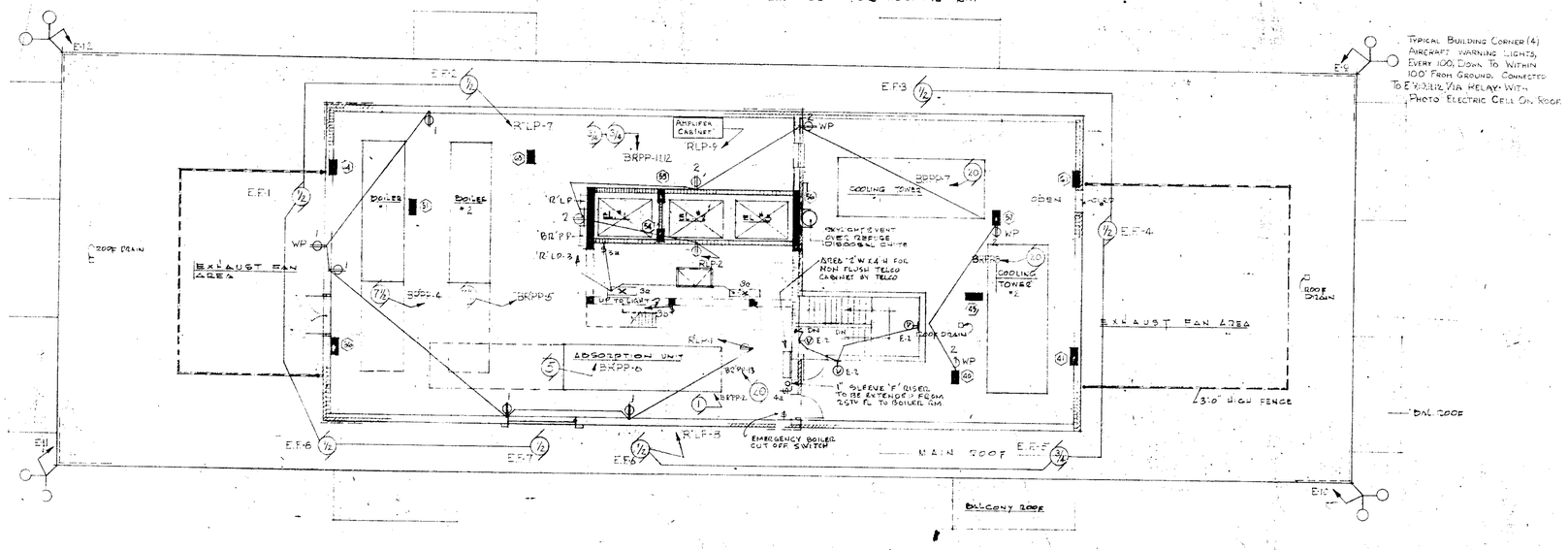
EMIL A. KERN P.E.
CONSULTING ENGINEER



PENTHOUSE ROOF PLAN



UPPER PLAN OF BOILER AND ELEVATOR MACHINE RM



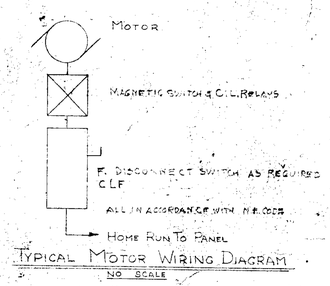
MAIN ROOF PLAN

ROOF LIGHTING PANEL											
No.	SERVING	VOLTS	POLE	FRAME	TRIP	WIRES	SIZE	INS'N	CONDT.	HR/W
1	BOILER ROOM RECPT.	120	1	EA	20	2	12	TW	1/2	-
2	BOILER ROOM RECPT.	120	1	EA	20	2	12	TW	1/2	-
3	ELEVATOR MACH. RM. LTS.	120	1	EA	20	2	12	TW	1/2	-
4	BOILER ROOM LIGHTS	120	1	EA	20	2	12	TW	1/2	-
5	BOILER ROOM LIGHTS	120	1	EA	20	2	12	TW	1/2	-
6	ROOF FLOOD LIGHTS-SOUTH	120	1	EA	20	2	12	TW	1/2	-
7	ROOF EXHAUST FANS-NORTH	208	2	EA	30	2	10	TW	3/4	10 1/2
8	ROOF EXHAUST FANS-SOUTH	208	2	EA	40	2	8	TW	3/4	18 1/2 16.4
9	T.V. AMPLIFIER	120	1	EA	20	2	12	TW	1/2	-
10	SPARE									
11	SPARE									
12	SPARE									
13	SPARE									
14	SPARE									
15	ELEVATOR CONTROLS	208	2	EA	20	2	12	TW	1/2	
16	ELEVATOR CONTROLS	120	1	EA	20	2	12	TW	1/2	

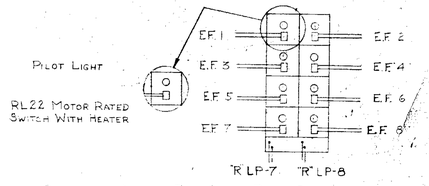
NOTE:

ALL WIRE ON THIS PROJECT #8 AND SMALLER MUST BE COPPER CONDUCTORS. #6 AND LARGER MAY BE THW ALUMINUM OF CU CAPACITY PRO-RATED TO CARRY AMPACITY AND MAINTAIN VOLTAGE DROP. ALL LOADS TOTAL APPROVED ALL WIRE SIZES BASED ON COPPER CONDUCTORS.

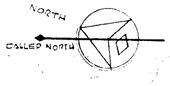
BOILER ROOM POWER PANEL										
No	SERVING	HR	VOLTS	POLE	FRAME	TRIP	WIRES	SIZE	INS'N	CONDT
1	ROOF LIGHTING PANEL	-	208	3	FA	100	4	2	THW	1 1/2"
2	AIR COMPRESSOR	1	208	3	EA	15	3	12	THW	3/4"
3	AIR HANDLER	10	208	3	EA	60	3	8	THW	3/4"
4	BOILER #1	7 1/2	208	3	EA	50	3	10	THW	3/4"
5	BOILER #2	7 1/2	208	3	EA	50	3	10	THW	3/4"
6	ABSORPTION UNIT	5	208	3	EA	30	3	12	THW	3/4"
7	COOLING TOWER #1	20	208	3	FA	100	3	6	THW	1"
8	COOLING TOWER #2	20	208	3	FA	100	3	6	THW	1"
9	ELEVATOR #1	30	208	3	JA	125	3	3	THW	1 1/4
10	ELEVATOR #2	30	208	3	JA	125	3	3	THW	1 1/4
11	BOILER FEED PUMP #1	3/4	208	3	EA	15	3	12	THW	3/4"
12	BOILER FEED PUMP #2	3/4	208	3	FA	15	3	12	THW	3/4"
13	COND. WATER PUMP	20	208	3	FA	100	3	6	THW	1"
14	SPARE			3	FA					
15/18	SPARES			3	FA					



TYPICAL MOTOR WIRING DIAGRAM
NO SCALE



EXHAUST FAN CONTROL PANEL
NO SCALE



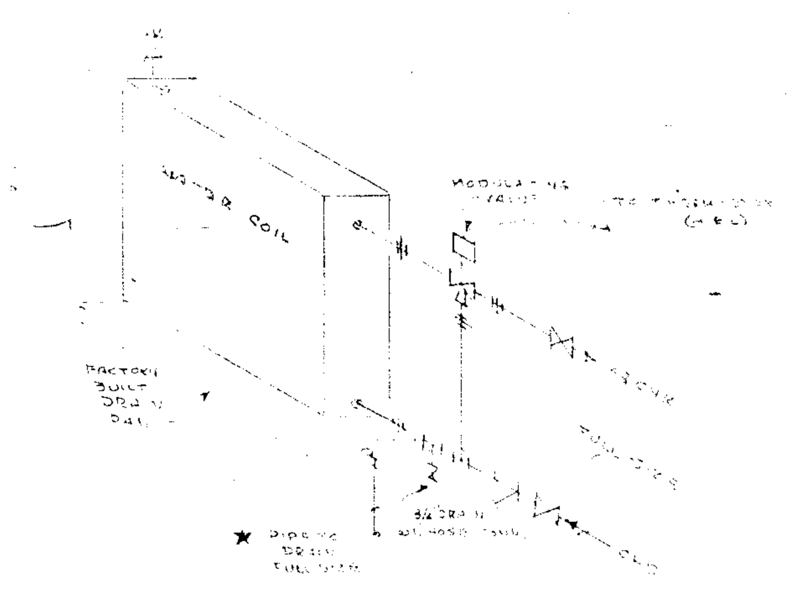
ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: MACHINE RM. & ROOF P.

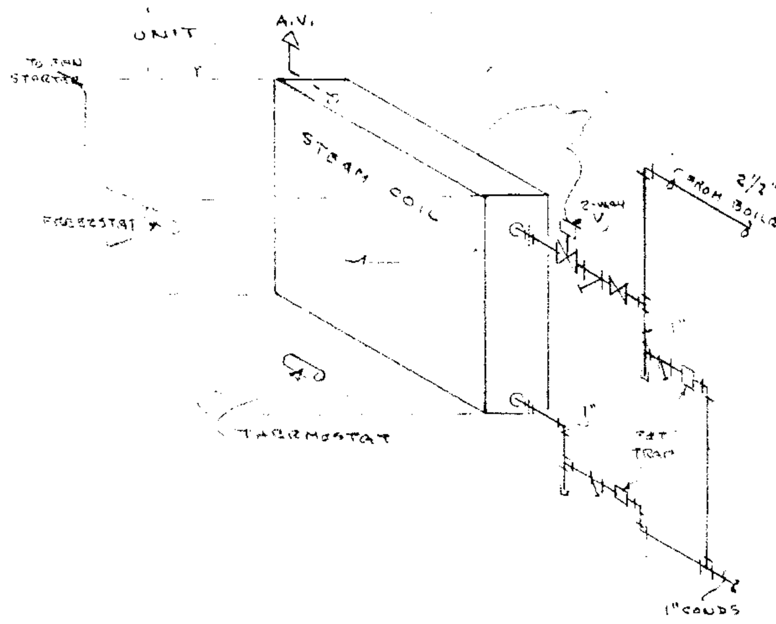
DRAWN BY: D.E.
CHKD. BY: E.K.
SCALE: 1/8" = 1'-0"
DRAWING NO. E7

PROJECT: TAVERN
460 ELIZ
NEWAR

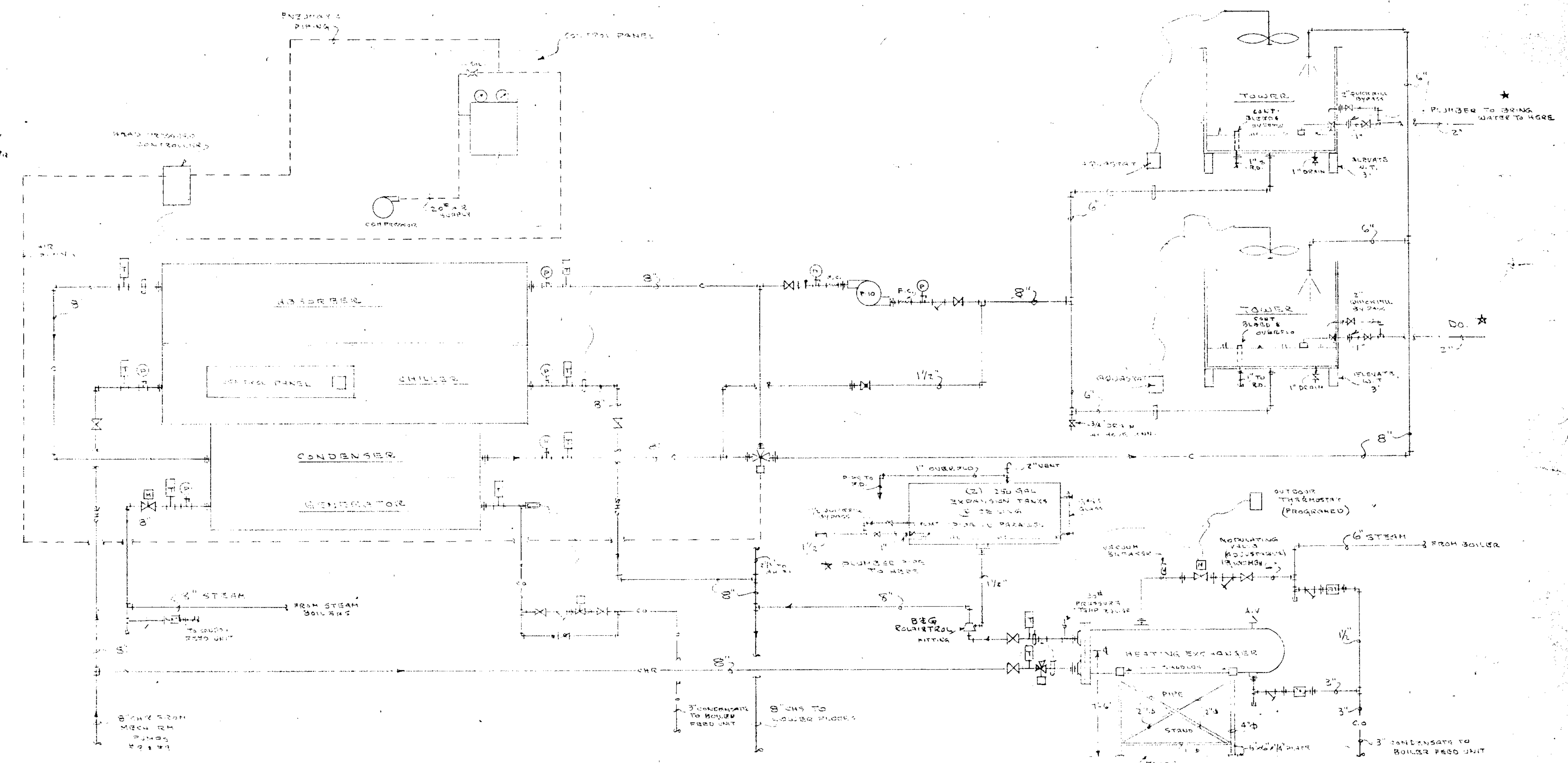
EMIL A. KERN P.E.
CONSULTING ENGINEER
NEW JERSEY 24113
2 VARSITY ROAD
SO. ORANGE, N.J.
PHONE NO. 731-7



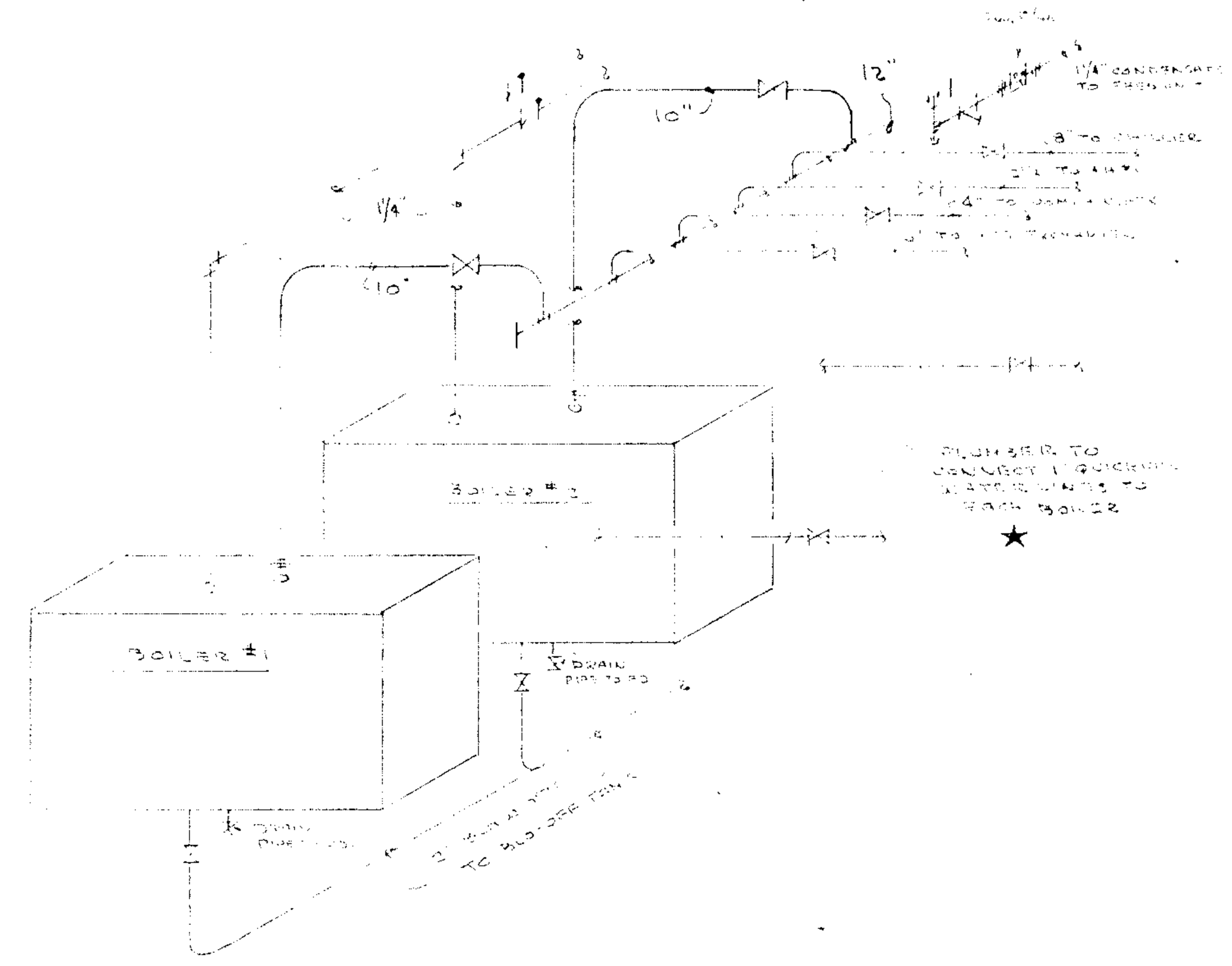
SCHEMATIC TYPICAL AIR HANDLING UNIT COIL PIPING



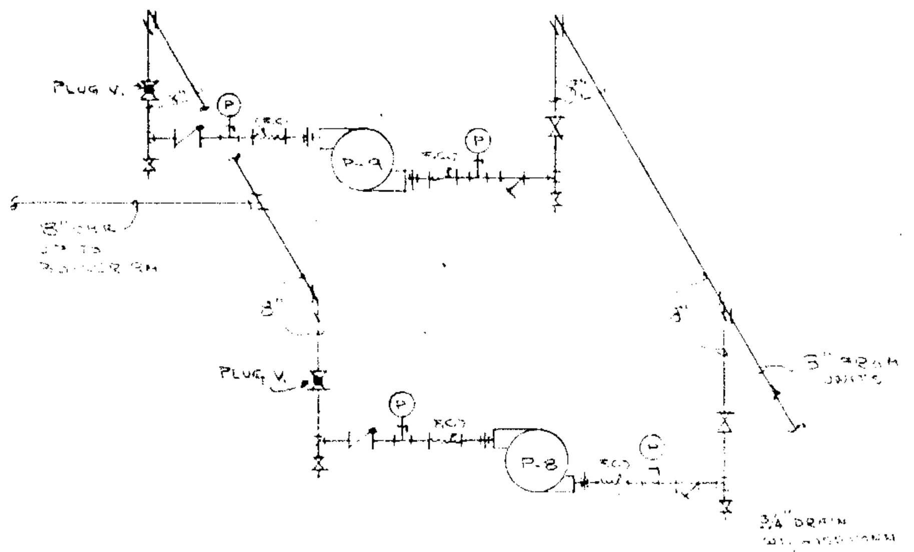
SCHEMATIC PIPING
STEAM COIL AH#1 (ONLY)
NO SCALE



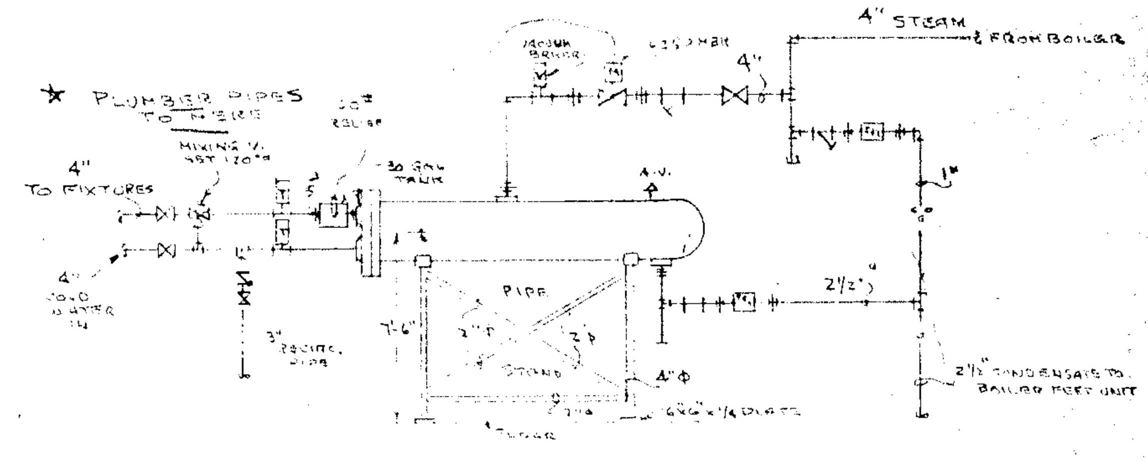
SCHEMATIC PARTIAL BOILER ROOM PIPING
— NO SCALE —



SCHEMATIC BOILER PIPING
— NO SCALE —

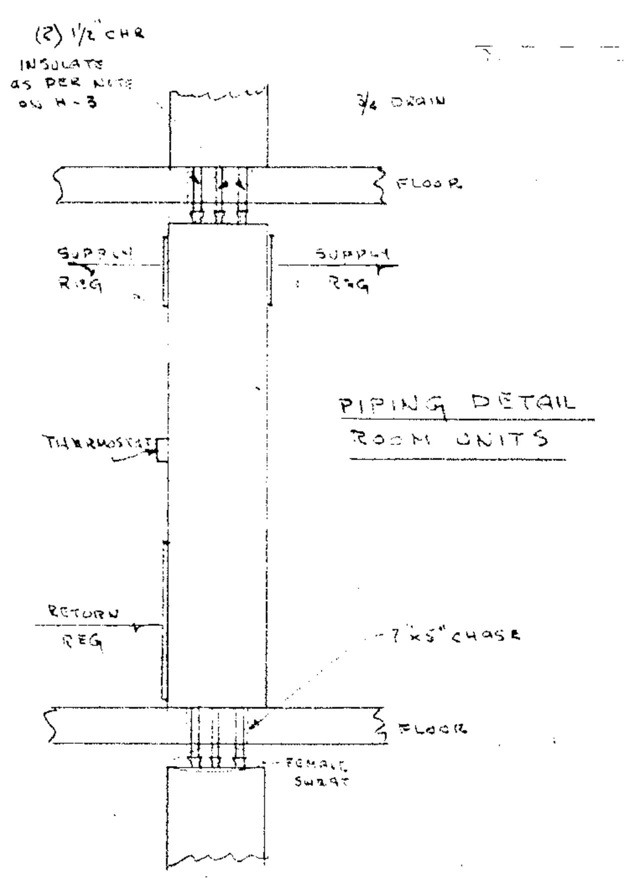


SCHEMATIC PIPING P8&P9
— NO SCALE —
TYPICAL OF ALL PUMPS

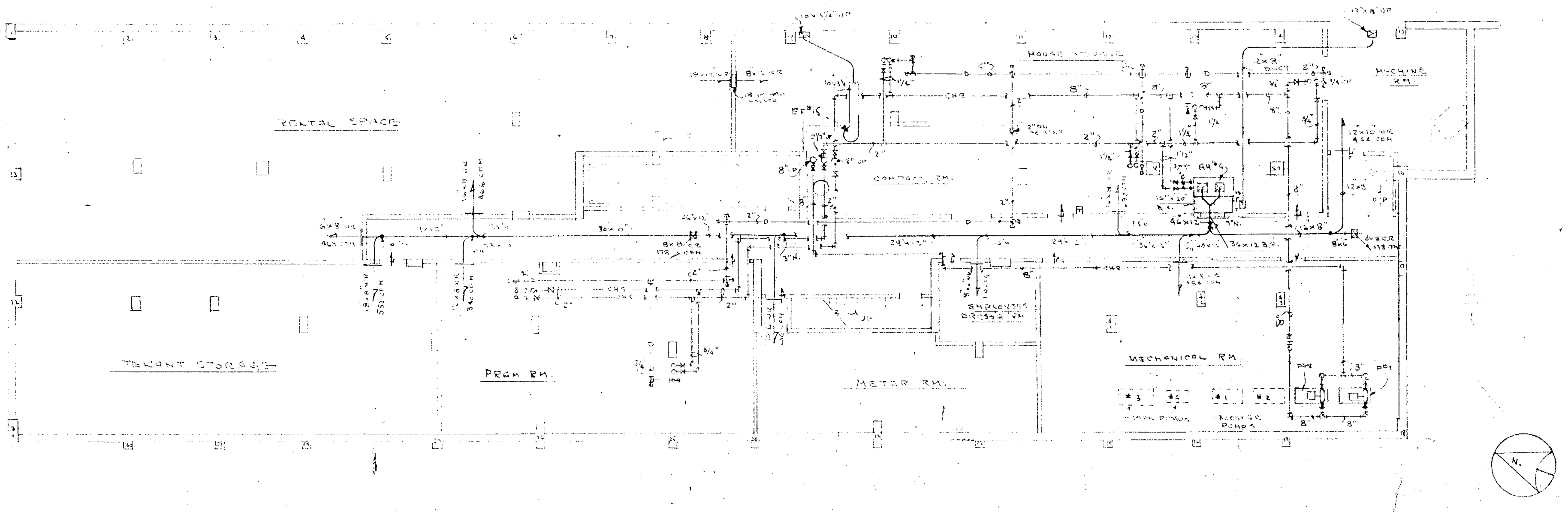


DOMESTIC WATER HEATER
SCHEMATIC PIPING
NO SCALE

★ PLUMBER NOTE



PIPING DETAIL
ROOM UNITS



NOTE: ① ALL PUMPS, AUTOMATIC VALVES & TRAPS TO BE PRECEDED BY STRAINERS

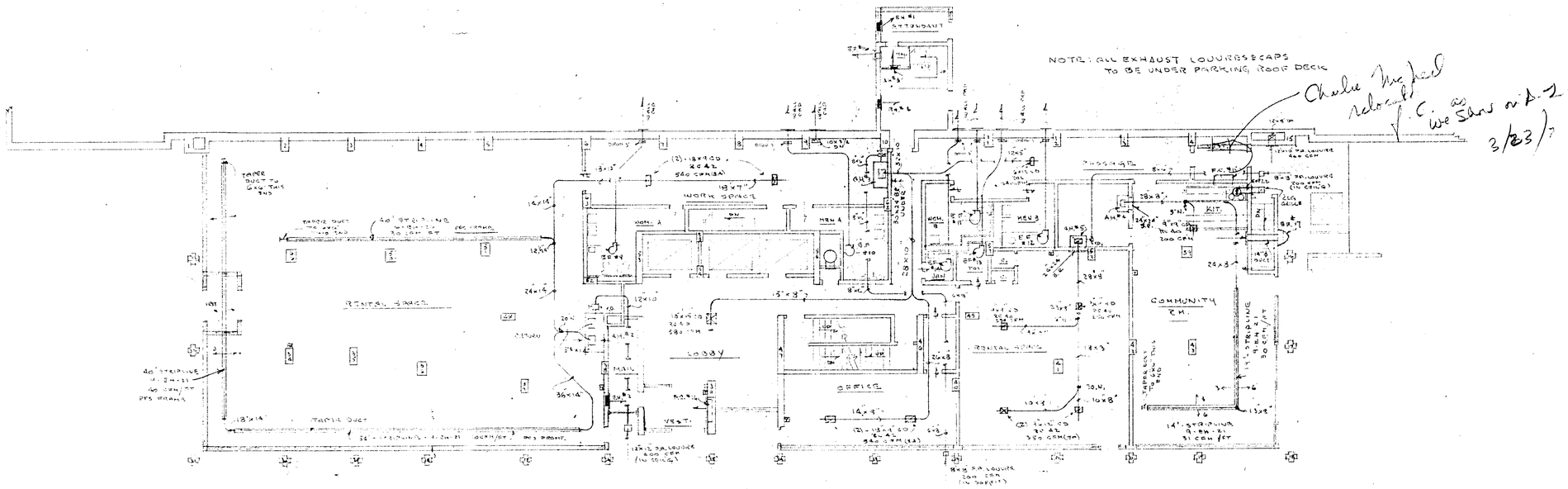
② INSTALL AUTOMATIC AIR VENTS AT ALL HIGH POINTS OF CHILLED & CONDENSER WATER AND 3/4" DRAINS W/ HOSE CONN. AT ALL LOW POINTS

③ CONDENSATE DRAIN LINES FROM A.C. UNITS SHALL BE EQUIPT THAT ALL LINES CAN BE RODDED OUT CONVENIENTLY. USE CAPPED & NOSE DRAINAGE FITTINGS WHERE NECESSARY

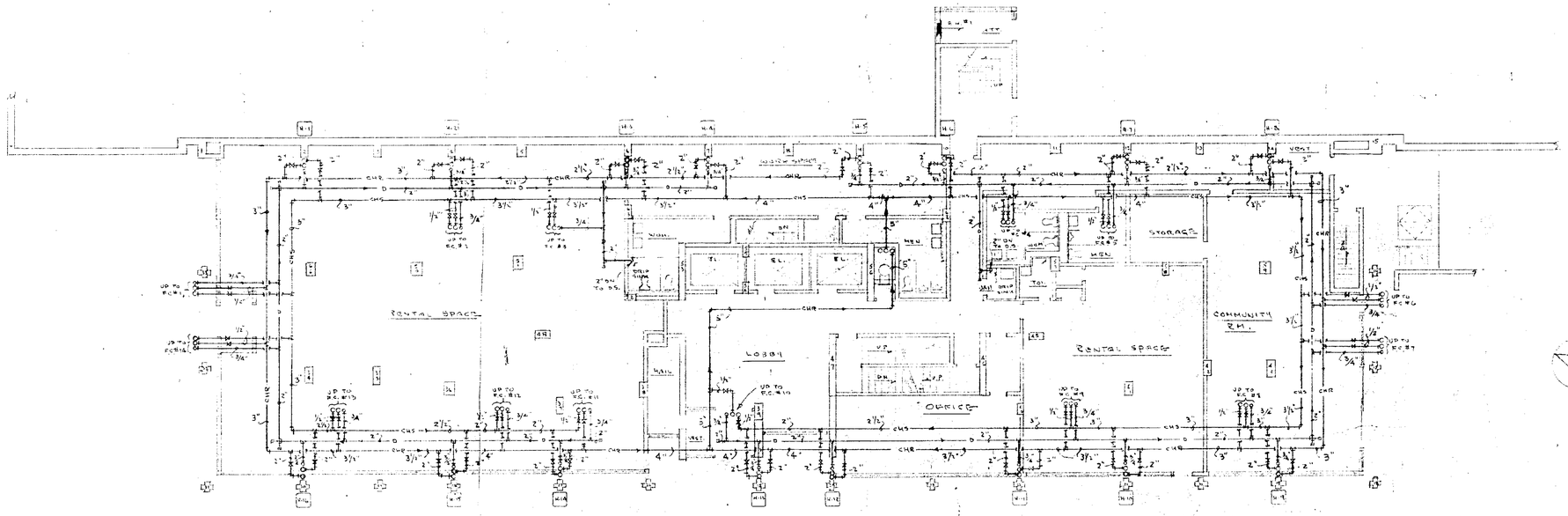
CHARLES C. HOLDER, P.E.
Consulting Engineer
14 TIMBER ACRES ROAD
SHORT HILLS, NEW JERSEY

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE	H.V.A.C - BASEMENT & DETAILS	
DRAWN BY	PROJECT	DATE 1/24/69
CHKD. BY		REVISIONS
SCALE	TAVERN APARTMENT	A
DRAWING NO.	440 ELIZABETH AVE.	B
H-1	NEWARK, N.J.	C, D, E
SHEET 44 OF 55		
N.J. CERTIFICATE NO. C-1784		



EQUIPMENT & DUCT LAYOUT



PIPING LAYOUT FOR UPPER FLOORS

ELECTRIC HEATER SCHEDULE

BASED ON CHROMALOX MFR.

NO.	LOCATION	MODEL	WATTS	CAP BTU	TYPE
EH#1	PARKING ATT BOOTH	RBH-502	1000	3415	RADIANT WALL TYPE
EH#2	MAIL RM	RBH-502	1000	3415	"
EH#3	PARKING ATT TOILET	RBH-302	750	2561	"
EH#4	PARKING STAIR WALL	RSF-320	2000	6824	WALL MOUNTED UNIT HEATER

PROVIDE INTEGRAL THERMOSTATS FOR ALL UNITS

UNITS SHALL BE SUPPLIED WITH 208V CHARACTERISTICS

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: HVAC - FIRST FLOOR

DRAWN BY
CHKD. BY
SCALE 1/8"=1'-0"
DRAWING NO. H-2
SHEET 45 OF 55

PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVE., NEWARK, N.J.

DATE 1/20/66
REVISIONS: A, B, C, D, E

N.J. CERTIFICATE NO. C-1784

CHARLES F. HOLDER P.E.
Consulting Engineer
16 TIMBER ACRES ROAD
SHORT HILLS, NEW JERSEY

AIR HANDLING UNIT SCHEDULE

(BASED ON WORTHINGTON)

A.H. #	LOCATION	MODEL	CFM	H.P.	NOM. CFM	CHANGE COIL CAP. TOTAL	CHANGE COIL CAP. SENSIBLE	REMARKS	S.P.
A.H. #1	PENTHOUSE	CH-32	—	10	—	—	—	500 SQ.FT.	1.25
A.H. #2	W. BOILER ROOM	[illegible]	[illegible]	3	[illegible]	[illegible]	[illegible]		1.30
A.H. #3	NORTH SPACE	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]		1.20
A.H. #4	COMPRESSOR RM.	[illegible]	[illegible]	3/4	[illegible]	[illegible]	[illegible]		1.15
A.H. #5	SOUTH SPACE	[illegible]	[illegible]	3/4	[illegible]	[illegible]	[illegible]		1.15
A.H. #6	WEST SPACE	[illegible]	[illegible]	2	[illegible]	[illegible]	[illegible]		1.35

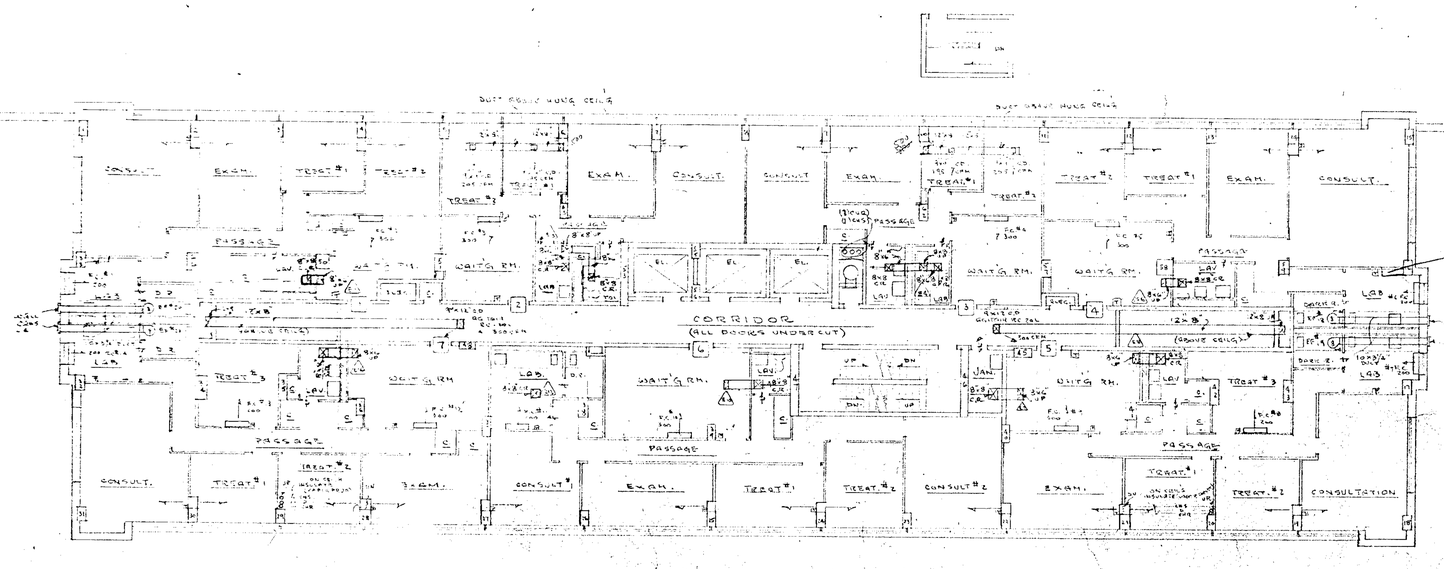
ALL TO BE PROVIDED WITH [illegible] THERMOSTATS
& MODULATING SWEAT [illegible] PROVIDED [illegible] MAXIMUM [illegible]
& A MOUNTING [illegible] ALL
[illegible] TO BE [illegible]

FAN COIL SCHEDULE

(BASED ON WORTHINGTON)

NO.	LOCATION	MODEL	CFM	CAP. TOTAL	CAP. SENSIBLE	H.P.	REMARKS
FC #1	SUITE #3	RVC-020	225	[illegible]	[illegible]	1/4	
FC #2	SUITE #3 WAITING RM.	" -030	300	[illegible]	[illegible]	[illegible]	
FC #3	SUITE #3 WAITING RM.	" "	"	"	"	"	
FC #4	SUITE #3 WAITING RM.	" "	"	"	"	"	
FC #5	SUITE #3 WAITING RM.	" "	"	"	"	"	
FC #6	SUITE #3 LAB	" -020	225	[illegible]	[illegible]	1/4	
FC #7	SUITE #3 LAB	" "	"	"	"	"	
FC #8	SUITE #3 CONFERENCE	" "	"	"	"	"	
FC #9	SUITE #3 WAITING RM.	" -030	300	[illegible]	[illegible]	[illegible]	
FC #10	SUITE #3 WAITING RM.	" "	"	"	"	"	
FC #11	SUITE #3 LAB	" -020	225	[illegible]	[illegible]	1/4	
FC #12	SUITE #3 WAITING RM.	" -030	300	[illegible]	[illegible]	1/4	
FC #13	SUITE #3 TREATMENT RM.	" -020	225	[illegible]	[illegible]	1/4	
FC #14	SUITE #3 LAB	" "	"	"	"	"	
FC #15	SUITE #3 VESTIBULE	" -020	"	"	"	"	
FC #16	SUITE #3 VESTIBULE	PVR-031	300	[illegible]	[illegible]	1/4	

NOTE: TO BE PROVIDED WITH [illegible] SINGLE POLE MOTORS,
3 SPEED FAN [illegible] & [illegible] THERMOSTATS [illegible]
[illegible] TO BE [illegible] WITH [illegible] VALVES
& [illegible] TO BE [illegible]

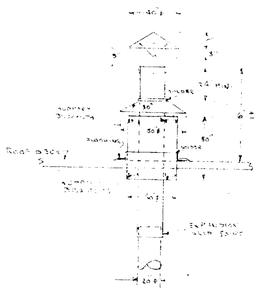


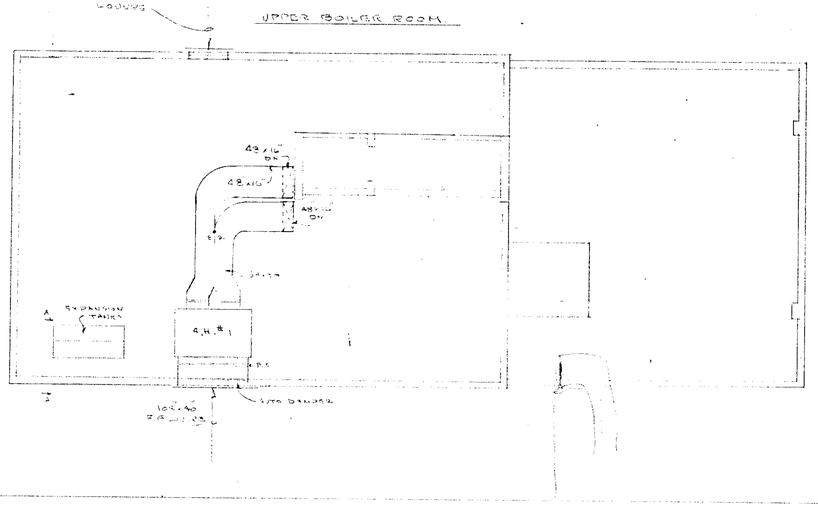
Ch. transcal relocated from sub
3/23/70

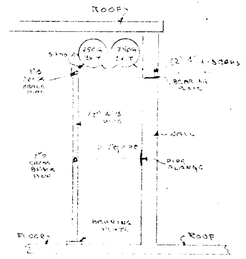
ROMOLO BOTTELLI JR. F.A.I.A. ARCHITECT 1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.	
TITLE: HVAC – MEZZANINE PLAN & SCHEDULES	
DRAWN BY / CHKD BY / SCALE 1/8" = 1'-0" / DRAWING NO. H-3 / SHEET 16 OF 55	PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVE. NEWARK, N.J.
N.J. CERTIFICATE NO. C-1784	DATE 1/26/69 / REVISIONS 1 / A / B / C / D / E

CHAS. S. F. HYDER, P.E.
CONSULTING ENGINEER
14 TIMBER ACRES ROAD
SHORT HILLS, NEW JERSEY

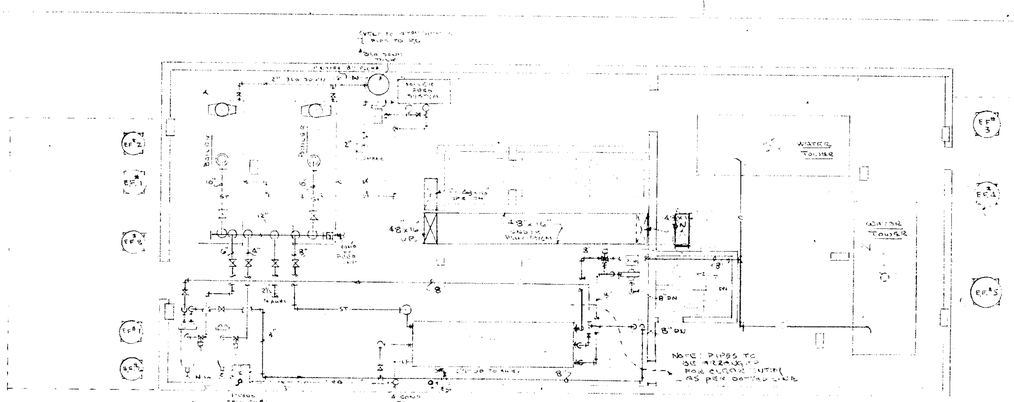
Typical Boiler Stack
- No Scale -
See Spec. Mech. Provisions
for Flashing Requirements





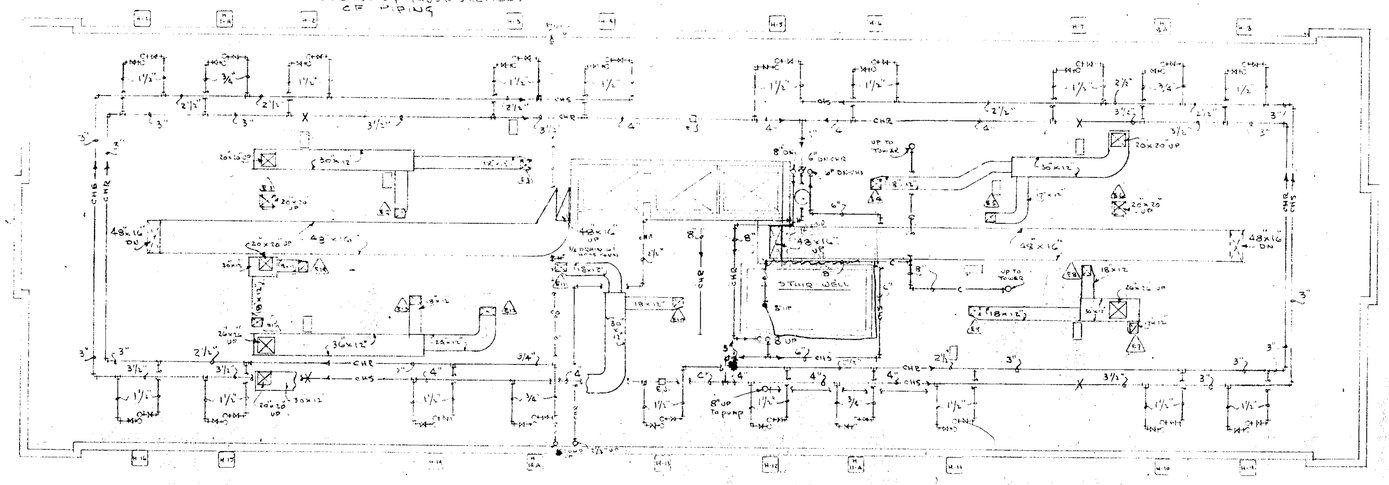


Suggested Schematic
For Mounting Expansion Tanks
- No Scale -
Tank Weight - Full - 2250# each
Tank Size - 36" x 87", Approx.
Check with Structural Eng.



Note: Flange or union connection & pipe offsets small so used at equipment to permit removal without disassembling major sections of piping

Boiler Room
All equipment to have vibration eliminators



Space between roof & 25 fl. ceil'g
Co-ordinate with plumber

Exhaust Fan Schedule

Based - Loren Cook - Model UCB

Fan Locat.	Fan #	C.F.M.	S.P.	Model	RPM	H.P.	Tip Speed	Max. H.P.	Mfg. and Bldg. Guard	Roof Opening
Roof	EF#1	2772	1/2"	24 x 58	703	1/2	4421	.450	VCA-28	24"x24"
"	EF#2	"	"	"	"	"	"	"	"	"
"	EF#3	"	"	"	"	"	"	"	"	"
"	EF#4	"	"	"	"	"	"	"	"	"
"	EF#5	3675	"	30 x 68	525	3/4	4123	.568	VCA-34	30"x30"
"	EF#6	2772	"	24 x 58	703	1/2	4421	.450	VCA-28	24"x24"
"	EF#7	3113	"	30 x 58	502	1/2	3945	.492	VCA-34	30"x30"
"	EF#8	2772	"	24 x 58	703	"	4421	.450	VCA-28	24"x24"

Miscellaneous Exh. Fans

Dark. Ch. Ent.	EF#9	—	—	22 x 10	—	90 W	—	—	—	Emerson Size Prevue
Dark. Ch. Ent.	EF#10	—	—	22 x 10	—	90 W	—	—	—	"
Dark. Ch. Ent.	EF#11	—	—	22 x 10	—	90 W	—	—	—	"
Dark. Ch. Ent.	EF#12	—	—	22 x 10	—	90 W	—	—	—	"
Dark. Ch. Ent.	EF#13	—	—	22 x 10	—	38 W	—	—	—	"
Dark. Ch. Ent.	EF#14	—	—	22 x 10	—	38 W	—	—	—	"
Cellar Rec. Ventilator	EF#15	—	—	22 x 10	—	136 W	—	—	—	"
Cellar Ventilator	EF#16	—	—	25 x 10	—	38 W	—	—	—	"

All fans to be furnished with backdraft dampers, bird screens & disconnect switches, prewired & built-in overload cutout.
Fans marked * to be furnished with 2 wall vans [illegible] as [illegible] with wall switches.

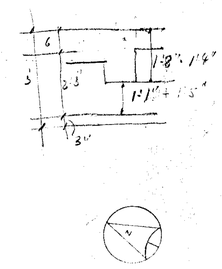
Additional Misc. Exh. Fans

Ladies Comfort Sta.	EF#17	1305	F.A.	15 x 8 W	860	1/8	3377	—	—	Lorenzen Loren. Wall Fan

Provide grille, backdraft damper, bird screen, factory wired disconnect switch & wall switch & duct.

Dark. Ch. Ent.	EF#18	—	—	22 x 10	—	38 W	—	—	—	Emerson Size Prevue
Dark. Ch. Ent.	EF#19	—	—	"	—	"	—	—	—	"
Dark. Ch. Ent.	EF#20	—	—	"	—	"	—	—	—	"
Dark. Ch. Ent.	EF#21	—	—	"	—	"	—	—	—	"
Comm. Rm. Ventilat.	EF#22	—	—	22 x 10	—	38 W	—	—	—	"

Provide wall fans, backdraft dampers, wall switches & ducts. Provide ceiling exhaust grille including insect screening dampers, duct, etc. for EF#22



ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

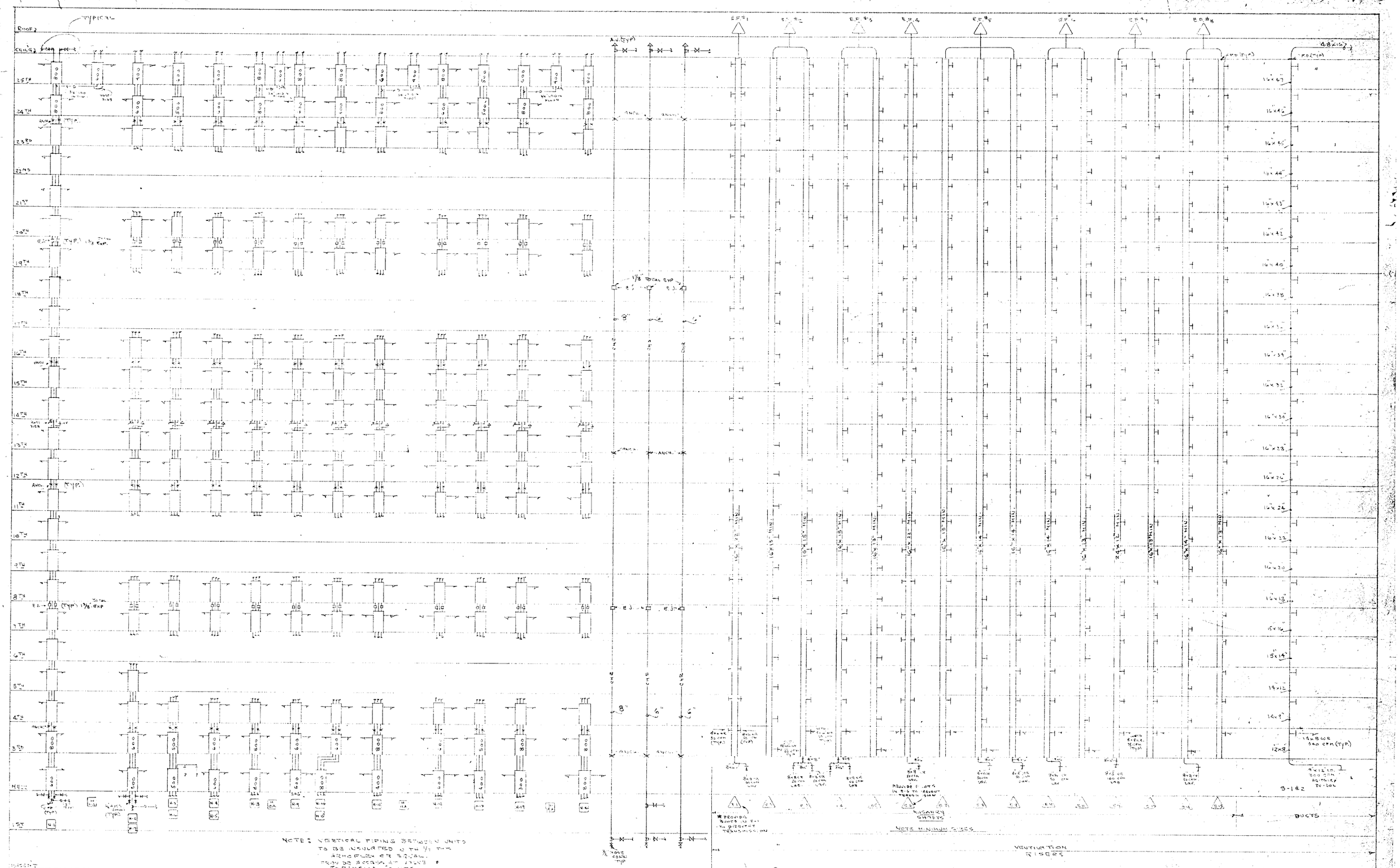
Title: HVAC - Roof Plan & Exh. Fans

Drawn by:
Chkd. by:
Scale: 3/16"
Drawing No. H-4
Sheet 7 of 55

Project: Tavern Apartment
446 Elizabeth Ave.
Newark, N.J.

Date: 1/20/69
Revisions: A, B, C, D, E

N.J. Certificate No. C-1784



ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: HVAC - RISERS

DRAWN BY	
CHKD. BY	
SCALE	
DRAWING NO.	H-5
SHEET	48 of 55

PROJECT: TAVERN APARTMENT, 449 ELIZABETH AVE., NEWARK, N.J.

DATE: 1/2/69

REVISIONS: A, B, C, D, E

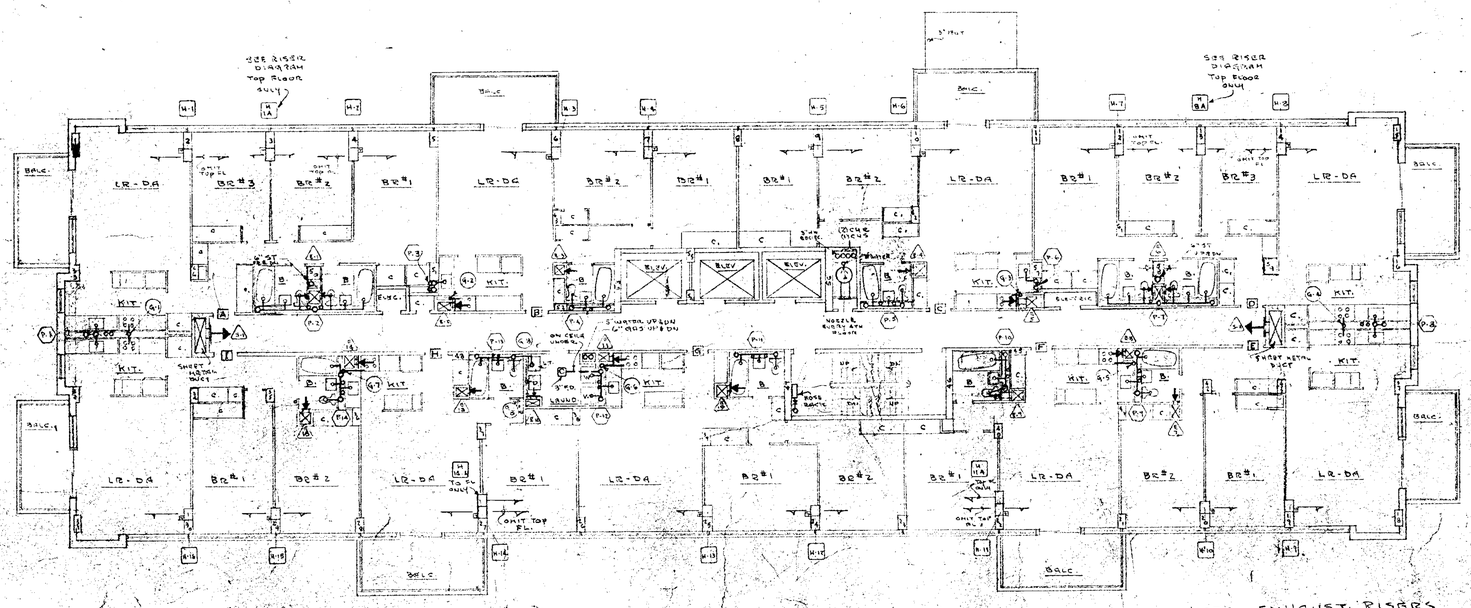
CHARLES HOLDER, P.E.
& EMPIRE ENGINEERING
14 EMPIRE ACRES ROAD
MONT. PLAIN, NEW JERSEY

N.J. CERTIFICATE NO. C-1784

RB Smith

LEGEND PLUMBING	LEGEND HVAC
S — SANITARY SEWER (UNDERGROUND)	CHS — CHILLED WATER SUPPLY
S — " " (ABOVEGROUND)	CHR — " " RETURN
ST — STORM SEWER "	C — CONDENSER WATER
ST — " " (UNDERGROUND)	CD — CONDENSATE
— COLD WATER	ST — STEAM
— HOT "	FC — FLEXIBLE CONN 200# TEST
— RECIRCULATED HOT WATER	D — DRAIN
V — VENT	— GATE VALVE
G — GAS	— GLOBE OR PLUG VALVE
F — FIRE	— STRAINER
F.D. — FLOOR DRAIN	— CHECK VALVE
R.D. — ROOF DRAIN	— UNION
C.O. — CLEANOUT	E.J. — EXPANSION JOINT (200# TEST)
D — DRAIN	— ANCHOR - SEE DETAIL DWG H-5
E.J. — EXPANSION JOINT	T — THERMOMETER
	— AUTOMATIC AIR VENT - DOLE #20 SR OR #20 C-SR
	— PRESSURE GAUGE W/ TRYCOCK
	T — THERMOSTAT
	F.A. — FRESH AIR
	C.D. — CEILING DIFFUSER
	C.R. — " REGISTER
	W.R. — WALL "
	B.R. — BASE "
	FC — FLEXIBLE DUCT CONNECTION
	— DOOR LOUVRE - MIN. SIZE SAME AS SUPPLY REGISTER

NOTE: OTHER PIPING SYMBOLS SIMILAR TO HVAC



TYPICAL FLOOR
1/8" = 1 FOOT

NOTE EXHAUST RISERS E-1 & E6 TO HAVE BOOTS @ OUTLETS TURNED UP IN SHAFTS TO PREVENT NOISE TRANSMISSION

N

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: HVAC - PLUMBING (TYPICAL FLOOR) & LEGENDS

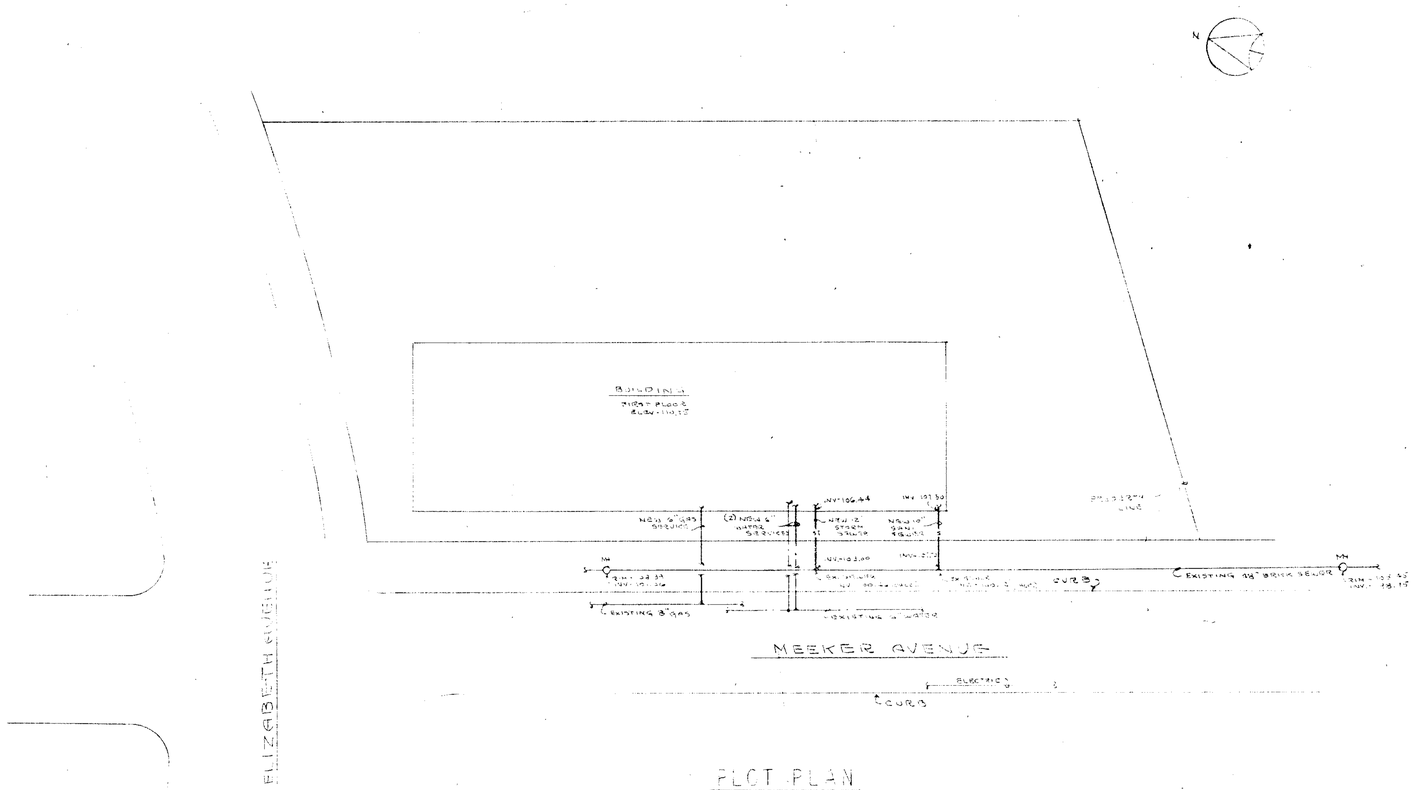
PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVE., NEWARK, N.J.

DRAWN BY:
CHKD. BY:
SCALE:
DRAWING NO. HP-1
SHEET 38 OF 55

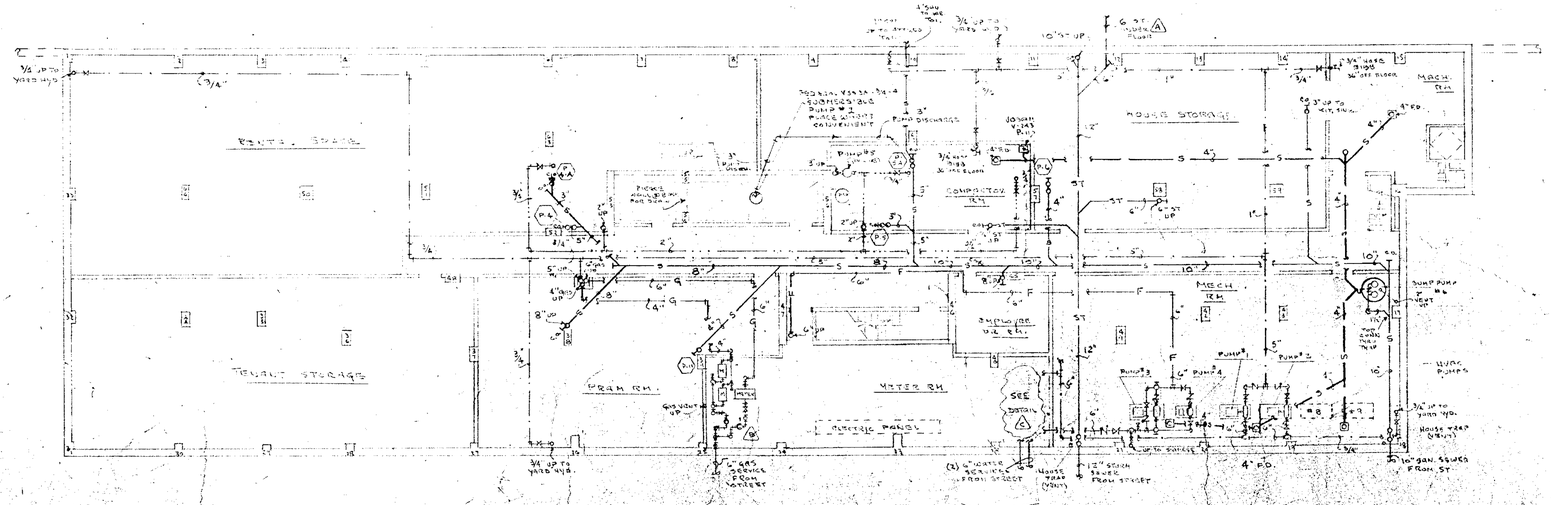
DATE 1/20/69
REVISIONS: A, B, C, D, E

CHARLES F. HOLDER P.E.
Consulting Engineer
14 TIMBER ACRES ROAD
SHORT HILLS, NEW JERSEY

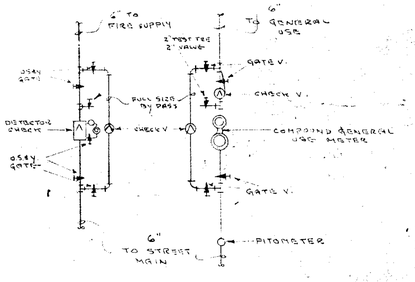
N.J. CERTIFICATE NO. C-1784



PLOT PLAN
— 1" = 20' —



BASEMENT PLAN
— 1/8" = 1'-0" —



WATER SERVICE DETAIL
— NO SCALE —

NOTE: VENT FLOOR DRAINS & LOSAM SINKS

NOTE: SEE DWG. H-1

ROMOLO BOTTELLI JR. F.A.I.A.
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1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: PLUMBING
BASEMENT & PLOT PLAN

DRAWN BY	PROJECT	DATE 1/20/69
CHKD. BY	TAVERN APARTMENT	REVISIONS
SCALE AS NOTED	440 ELIZABETH AVE.	A
DRAWING NO. P-1	NEWARK, N.J.	B
SHEET 36 OF 56		C
		D
		E

N.J. CERTIFICATE NO. C-1784

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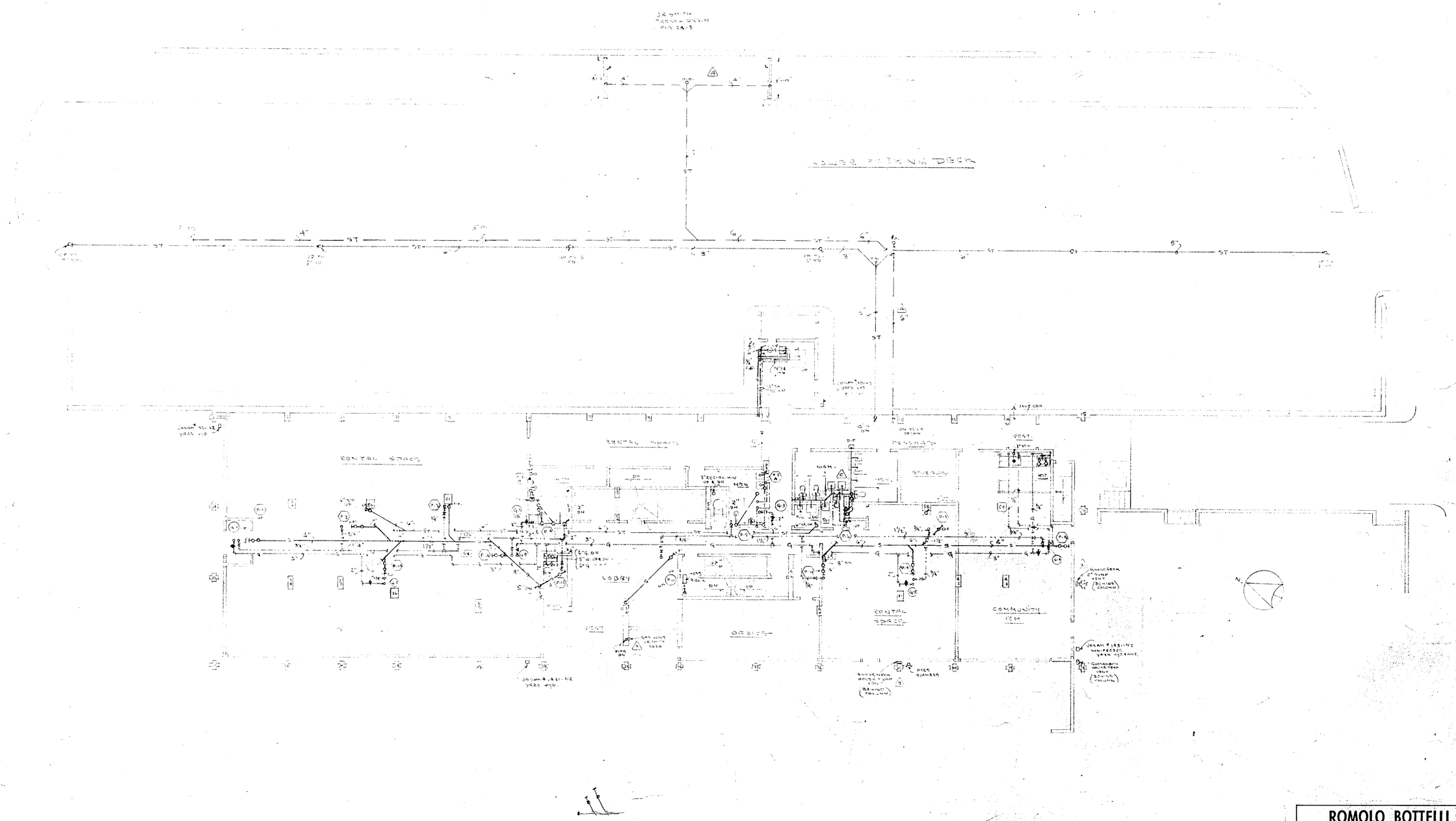
Plumbing Engineer
14 TIMBER ACRES ROAD
SHORT HILLS, NEW JERSEY



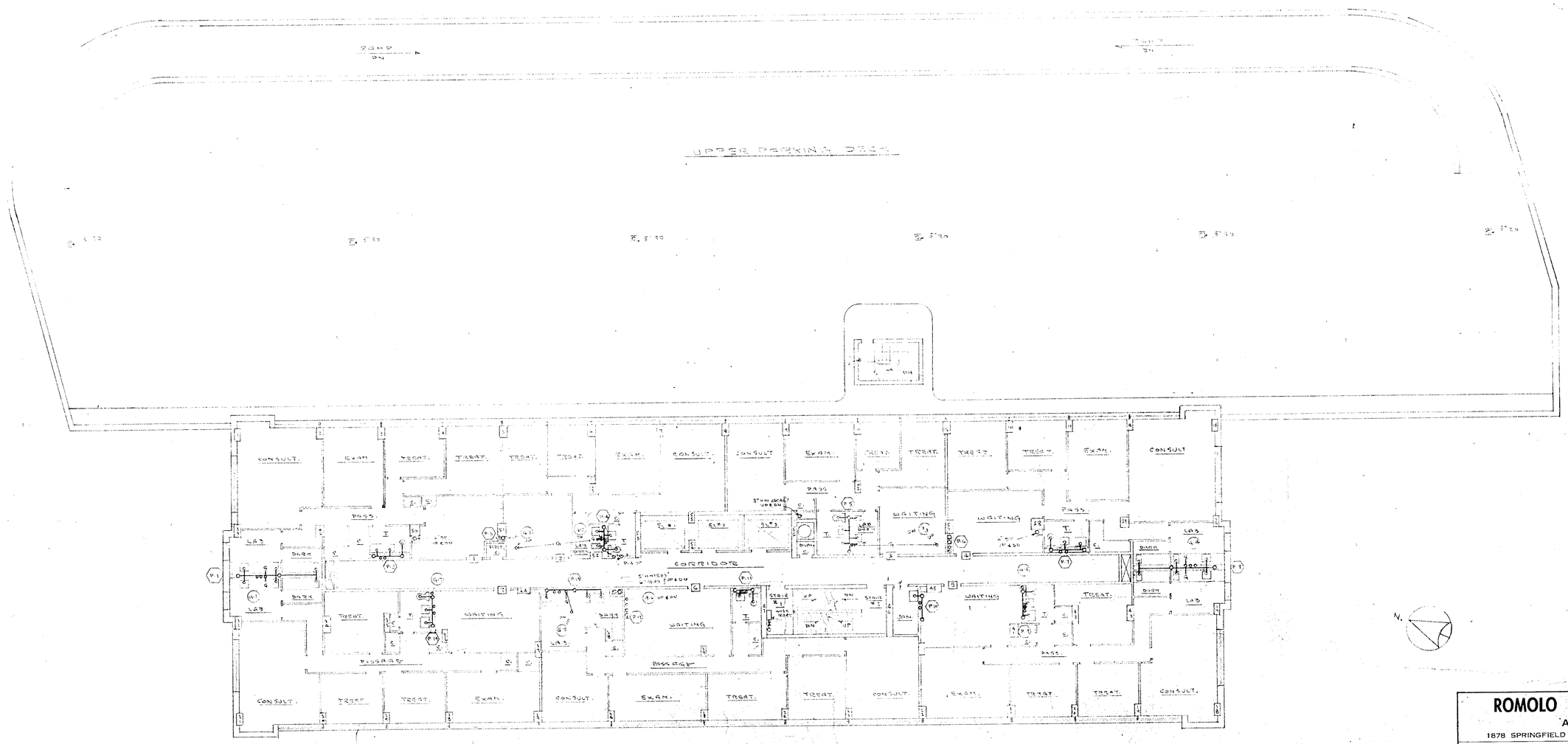
ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE
FIRST FLOOR PLUMBING PLAN

DRAWN BY	PROJECT	DATE 1/20/62
CHKD. BY	TAVERN APARTMENT	REVISIONS
SCALE 1/8" = 1'-0"	440 ELIZABETH AVE.	A
DRAWING NO. P-2	NEWARK, N.J.	B
SHEET 40 OF 55		C
		D
		E

N.J. CERTIFICATE NO. C-1784 R Bottelli Jr.

CHARLES E. HOLDER, P.E.
14 HOBART ACRES ROAD
SHORTHILLS, NEW JERSEY



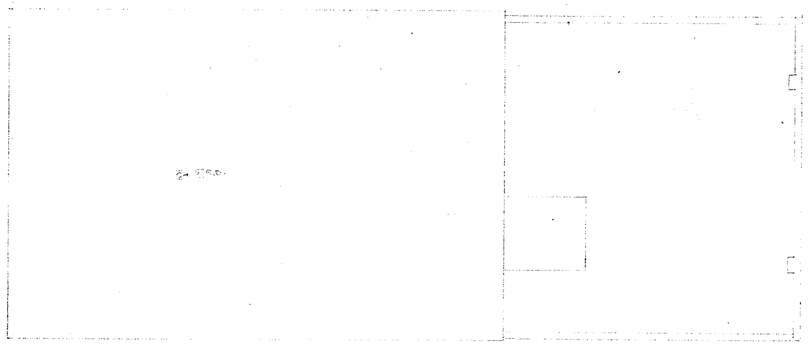
ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: MEZZANINE PLUMBING PLAN

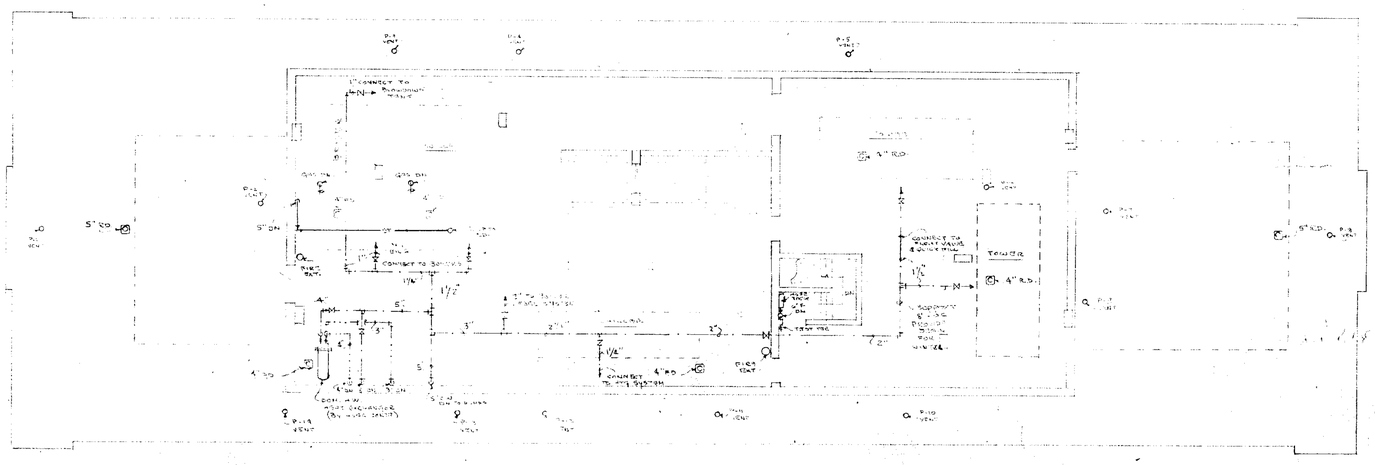
DRAWN BY	PROJECT	DATE 1/20/64
CHKD. BY	TAVERN APARTMENTS	REVISIONS
SCALE 1/8"=1'0"	440 ELIZABETH AVE.	A
DRAWING NO. P-3	NEWARK, N.J.	B
SHEET 41 OF 55		C
		D
		E

N.J. CERTIFICATE NO. C-1784

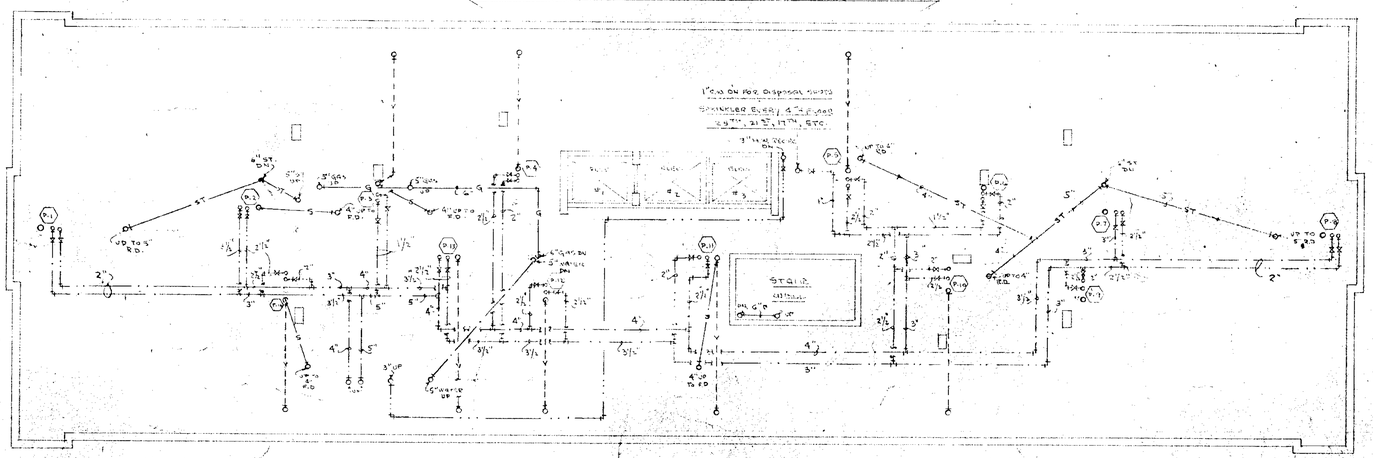
PENTHOUSE ROOF



MAIN ROOF



SPACE BETWEEN 25TH FL. CEILG & MAIN ROOF



NOTE: COORDINATE PIPING WITH HTG CONTRACTOR ESPECIALLY DUCT WORK SUBMIT SHOP DRAWINGS TO ARCHITECT FOR APPROVAL

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: ROOF PLUMBING PLAN

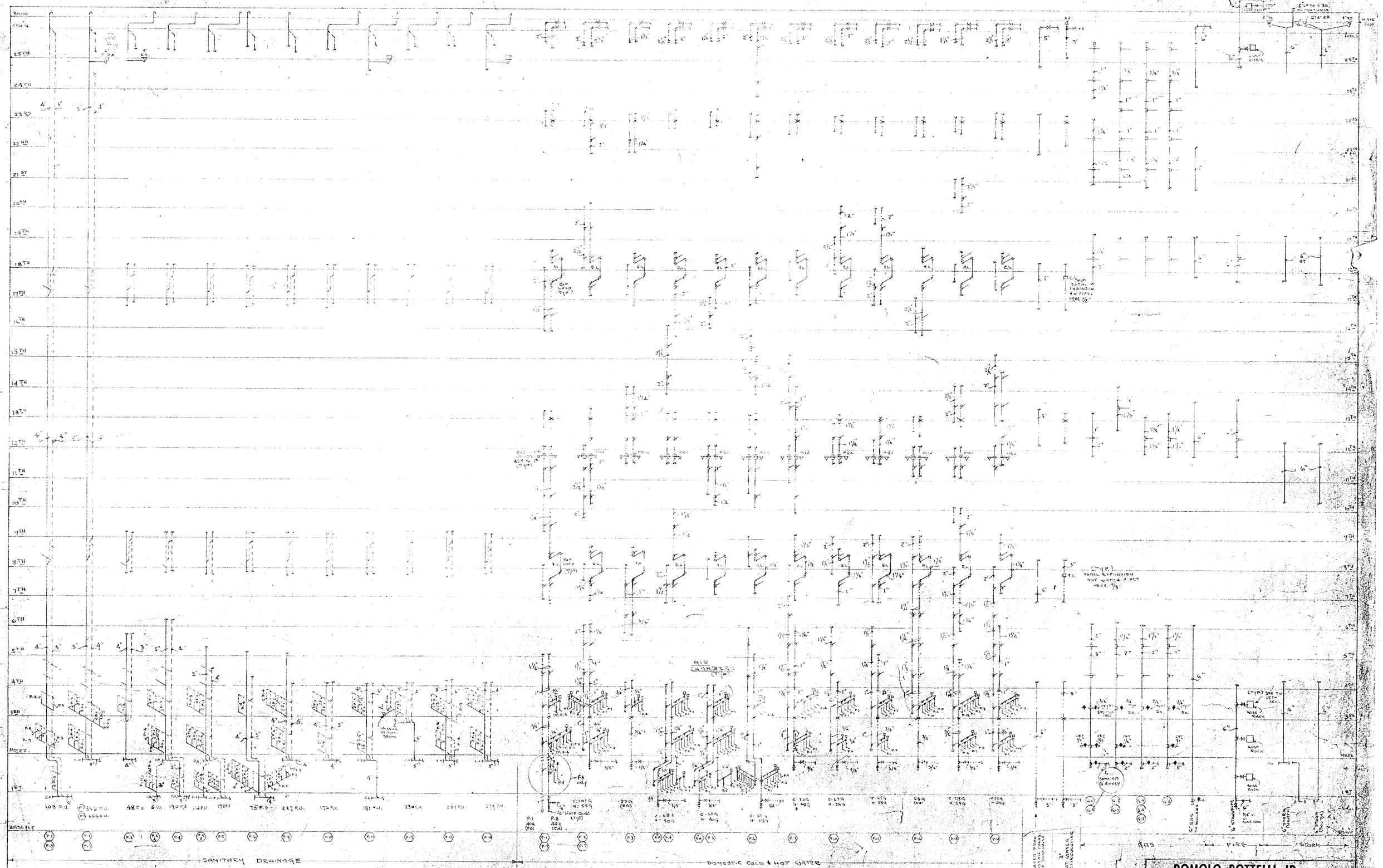
DRAWN BY
CHKD. BY
SCALE 1/8" = 1'-0"
DRAWING NO. P-4
SHEET 42 OF 55

PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVE., NEWARK, N.J.

DATE 1/20/69
REVISIONS
A
B
C
D
E

N.J. CERTIFICATE NO. C-1784 R Bottelli

CHARLES F. HOLDER P.E.
Consulting Engineer
14 TIMBER ACRES ROAD
SPRINGFIELD, NEW JERSEY



—LEGEND—	
P-1	WATER CLOSET
P-2	LAVATORY
P-3	BATH TUB
P-4	KITCHEN SINK
P-5	URINAL
P-6	SERVICE SINK
P-7	LABORATORY SINK
P-8	DARK RM. SINK
P-9	DRINKING FOUNTAIN
P-10	WASHERS - STANDPIPE
P-11	DRAIN SINK
P-12	LAUNDRY TRAY

ROMOLO BOTTELLI JR. F.A.I.A.
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1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: PLUMBING RISERS

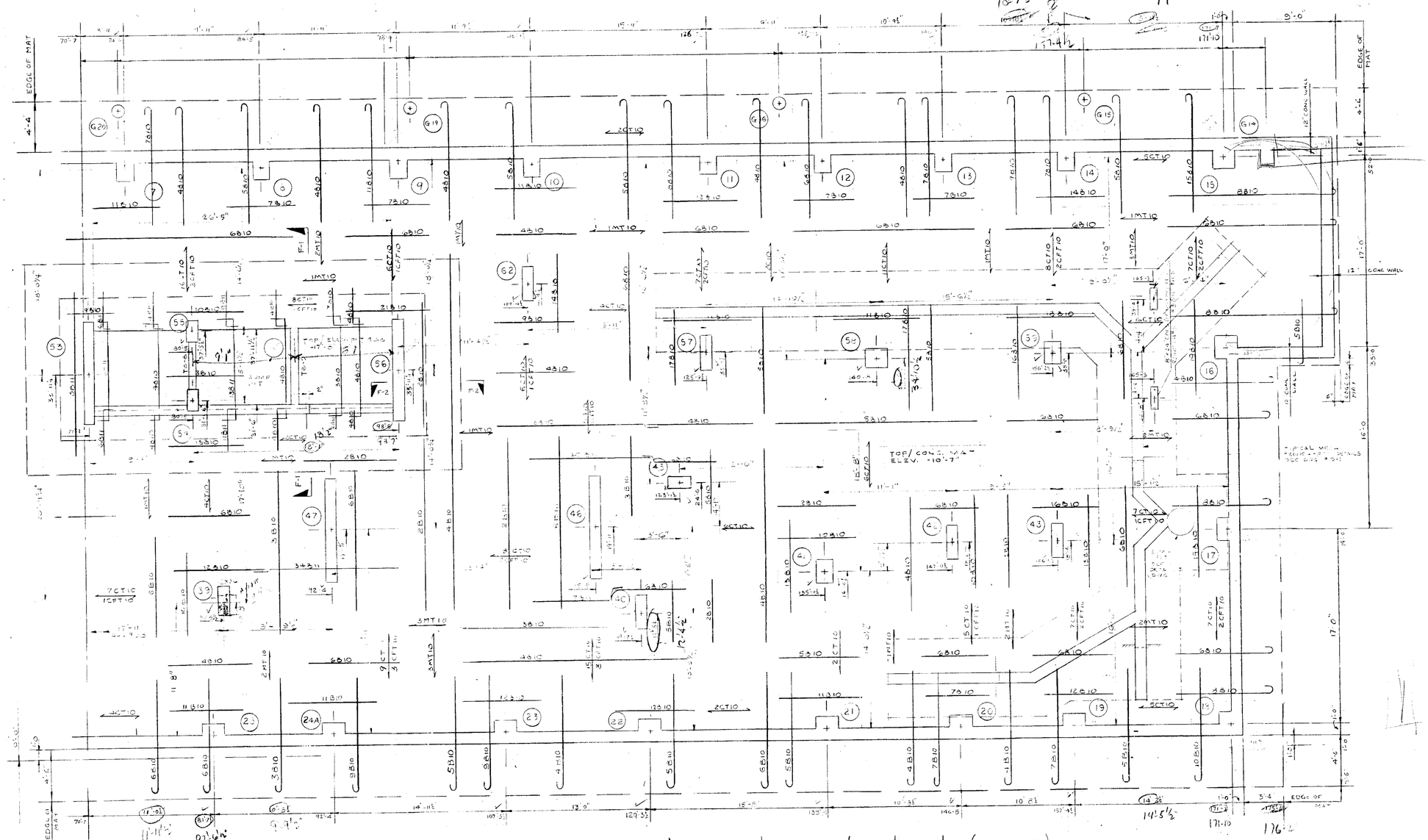
DRAWN BY
CHKD. BY
SCALE: NO SCALE
DRAWING NO. P-5
SHEET 4 OF 55

PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVE., NEWARK, N.J.

DATE 1/20/64
REVISIONS
A
B
C
D
E

CHARLES F. HOLDER, P.E.
Consulting Engineer
14 TIMBER ACRES ROAD
SHORT HILLS, NEW JERSEY

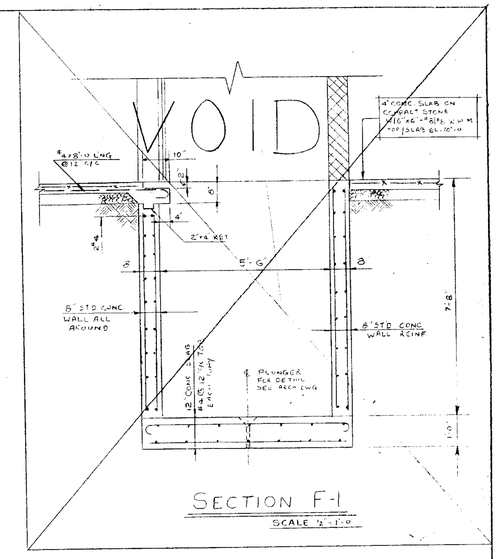
N.J. CERTIFICATE NO. C-1784



PARTIAL FOUNDATION PLAN (RIGHT)

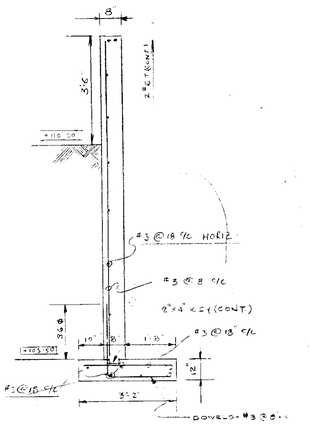
SCALE 1/4" = 1'-0"

FOR NOTES SEE DWG S-1



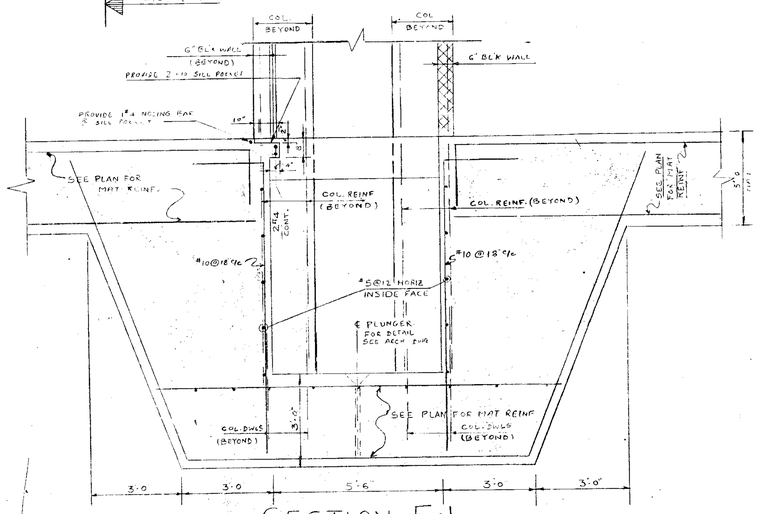
SECTION F-1

SCALE 1/2" = 1'-0"



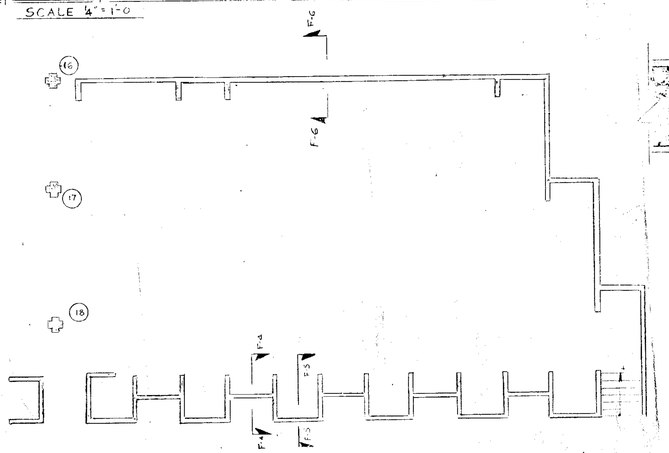
SECTION F-6

SCALE 1/2" = 1'-0"



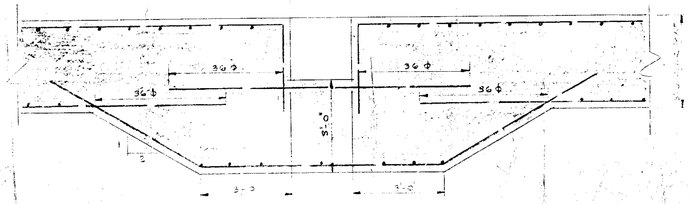
SECTION F-1

SCALE 1/2" = 1'-0"



RETAINING WALL PLAN

SCALE 1/8" = 1'-0"



TYPICAL SUMP PIT DETAIL

SCALE 1/4" = 1'-0"

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: PARTIAL FOUNDATION PLAN (RIGHT) & SECTIONS

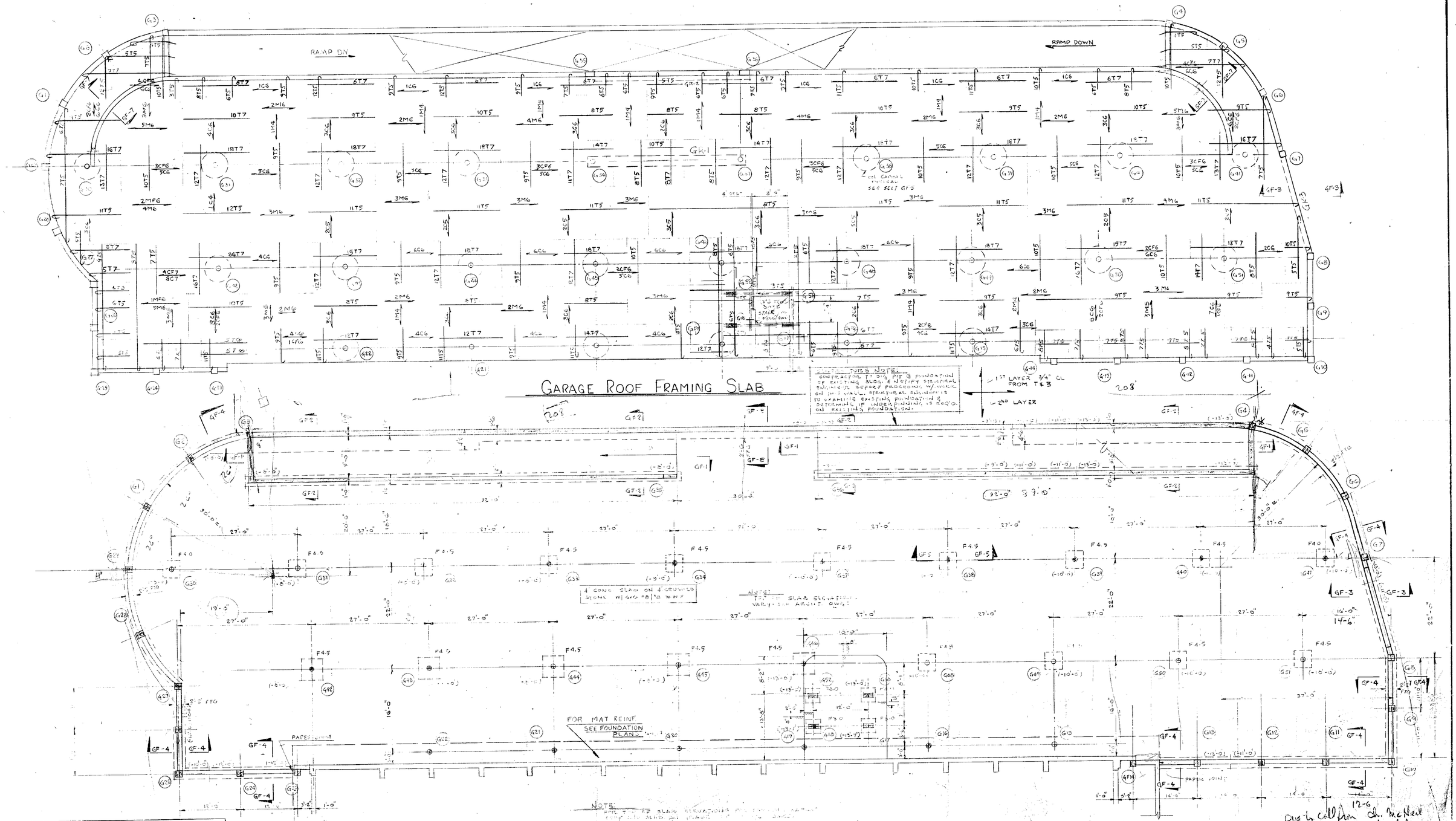
DRAWN BY:
CHKD. BY:
SCALE:
DRAWING NO.: S-2
SHEET 18 of 55

PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVE., NEWARK, NEW JERSEY

DATE: 7/20/67

REVISIONS: A, B, C, D, E

N.J. CERTIFICATE NO. C-1784



Due to call from Ch. McNeil on 2/14/70 would fit on lot.

GARAGE FOUNDATION PLAN

FOOTING SCHEDULE			
MARK	SIZE	DEPTH	REINF. BOTT. EA WAY UNLESS NOTED
F30	3'-0"x3'-0"	11"	5 - #5
F35	3'-6"x3'-6"	13"	6 - #5
F40	4'-0"x4'-0"	15"	8 - #5
F45	4'-6"x4'-6"	17"	8 - #6

FOUNDATION NOTES

1. BOTTOM OF ALL FOOTING ELEVATIONS SHOWN THUS (-7'-0") ARE REFERRED TO FIN. LOBBY FLOOR SLAB UNLESS NOTED OTHERWISE.
2. EXCAVATIONS TO BE CARRIED DOWN TO SOIL WITH MIN. BEARING CAPACITY OF 4 TONS PER SQ. FT.
3. DROP TOP OF FTG'S AS REQ'D FOR MECH PIPES TO PASS THRU AND ANY OTHER FIELD CONDITIONS.
4. DIFFERENCES BETWEEN CONTRACT ELEVATIONS AND ACTUAL FIELD ELEVATIONS TO BE ADJUSTED FOR UNIT PRICE FOR SEPERATE ITEMS INVOLVED.
5. UNIT PRICE TO BE SUBMITTED BY CONTRACTOR WITH HIS BID AND APPROVED BY THE ARCHITECT.

FLOOR NOTES

1. ALL FLOOR SLABS TO BE 9" THICK STONE CONC. OF MIN 3000 PSI STRENGTH AT 28 DAYS.
2. PROVIDE #5018 1/4 EA. WAY BOT MAT
3. FOR BALANCE OF NOTES SEE TYP. FL. PLAN DWG #S-
4. FOR BMS GR-1, GR-2 & GR-3 SEE DWG #S-6.
5. GARAGE ROOF SLAB SHALL HAVE ANTI-HYDRO WATER PROOFING COMPOUND IN CONCRETE MIX.
6. ANTI-HYDRO WATER PROOFING SHALL BE BONDED. SEE SPECIFICATIONS.

BERNARD J. SHAW & ASSOCIATES
CONSULTING ENGINEERS
34 PINE STREET
MORRISTOWN, N.J. 07960

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: GARAGE FOUNDATION PLAN AND GARAGE ROOF FRAMING PLAN

PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVE., NEWARK, NEW JERSEY

DRAWN BY / CHKD. BY / SCALE / DRAWING NO. S-3 / SHEET 19 OF 55

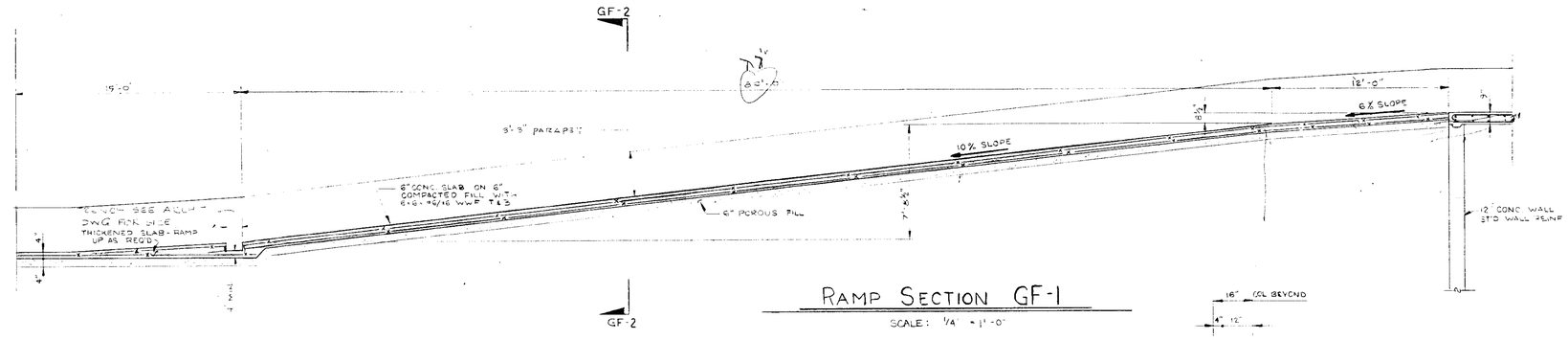
N.J. CERTIFICATE NO. C-1784 R. Bottelli Jr.

GARAGE COLUMN SCHEDULE

COL. NO. / FLOOR	G1,G2 G3,G4 G5,G6 G7,G8 G9,G11 G12,G13 G14,G26	G10 G25	G15	G16 G19	G17	G18	G20 G21 G22	G23	G24 G28 G29	G27	G30 G41	G31 G32 G33 G38 G39 G40	G34 G37	G35 G36	G42 G50	G43 G44 G45 G49	G46 G48		G51	G52	G53
STAIR																					
ROOF					3 24×8 4#5 42	3 3×24 4#5 42														3 3×24 4#5 36	3 24×8 4#5 32
GARAGE ROOF	48 16×12 4#5	48 16×12 4#5	62 14×8 4#5	36 14×8 4#5	45 24×8 4#5	45 8×24 4#5	77 14×8 4#5	62 16×12 4#5	43 16×12 4#5	26 16×12 4#5	103 14×8 4#5	126 14×8 4#5	153 14×8 4#5	7 24×12 4#5	141 14×8 4#5	126 14×8 4#5	110 14×8 4#5		120 14×8 4#5	35 32×12 4#5	35 24×8 4#5
LOWER LEVEL					32×12	32×12														32×12	32×12

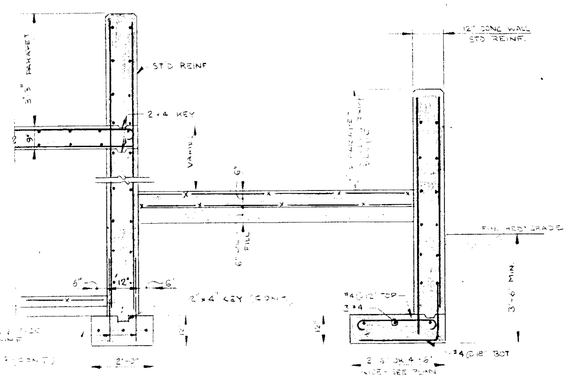
COLUMN NOTES:

1. ALL COLS TO BE OF STONE CONC OF MIN STRENGTH OF 3750 PSI @ 28 DAYS.
2. ALL REINF STEEL TO BE A-432 OF STRENGTH Fy = 60,000 PSI
3. ALL ROUND COLS TO HAVE SQUARE TIES SEE SECTION GF-6
4. COLUMN G47 NOT USED
5. [illegible]



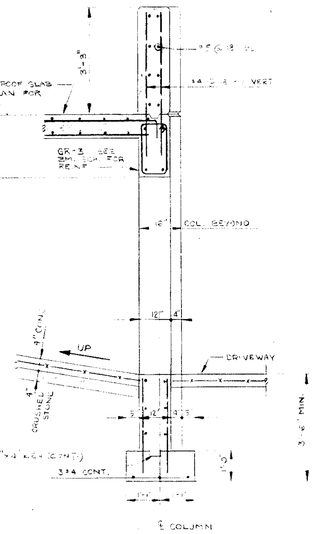
RAMP SECTION GF-1

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



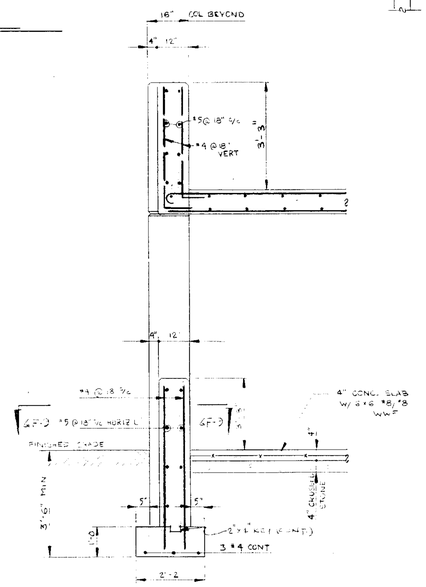
RAMP SECTION GF-2

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



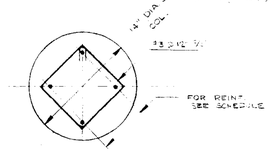
SECTION GF-3

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



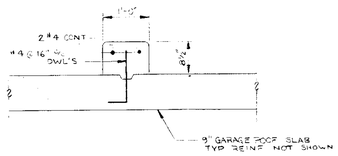
SECTION GF-4

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



SECTION GF-6

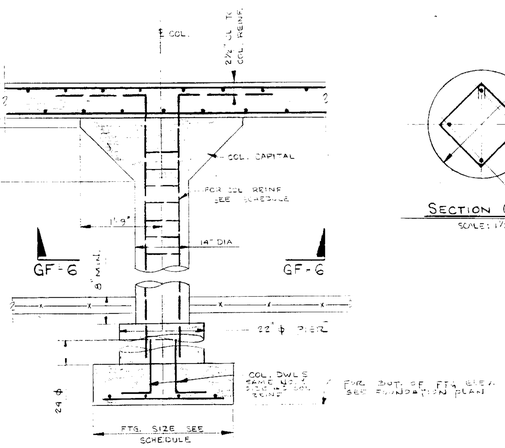
SCALE: 1/2" = 1'-0"



SECTION GF-7

TYP. THRU CURB

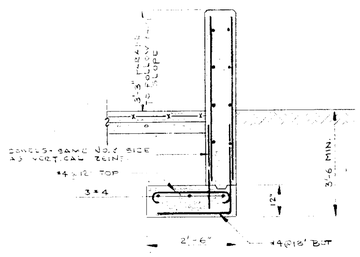
SCALE 3/4" = 1'-0"



TYPICAL INT. COL. DETAIL WITH COL. CAPITAL

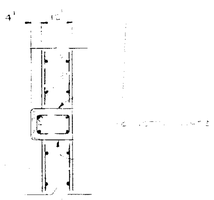
SECTION GF-5

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



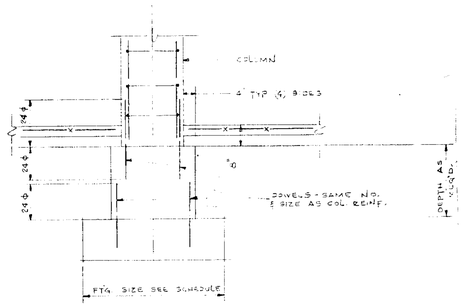
SECTION GF-8

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



SECTION GF-9

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



TYPICAL COL. PIER DETAIL WHERE REQ'D.

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

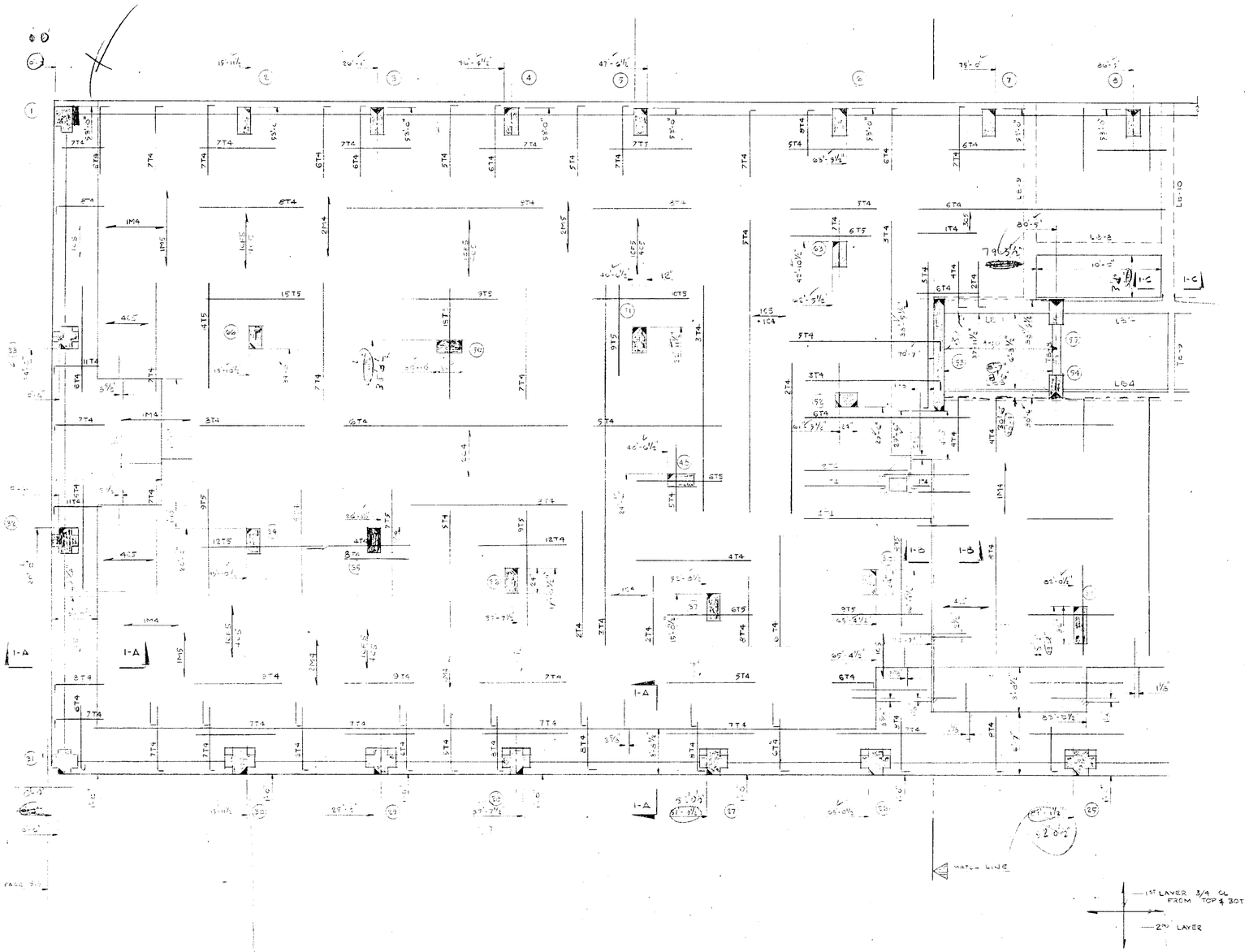
TITLE: GARAGE COLUMN SCHEDULE & DETAILS

DRAWN BY	
CHKD. BY	
SCALE	
DRAWING NO.	S-4
SHEET 2 OF 6	

PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVE., NEWARK, NEW JERSEY

DATE: 1/24/68

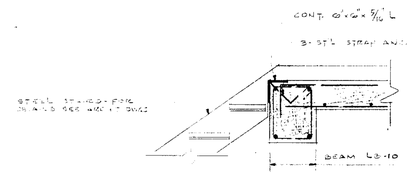
REVISIONS: A, B, C, D, E



PARTIAL LOBBY FLOOR FRAMING PLAN

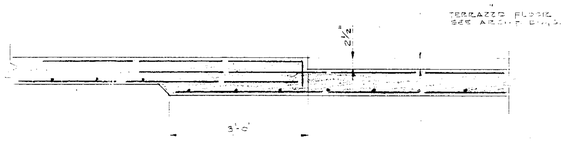
SCALE 1/4"=1'-0"

FOR LOBBY FLOOR NOTES SEE DWG S-6



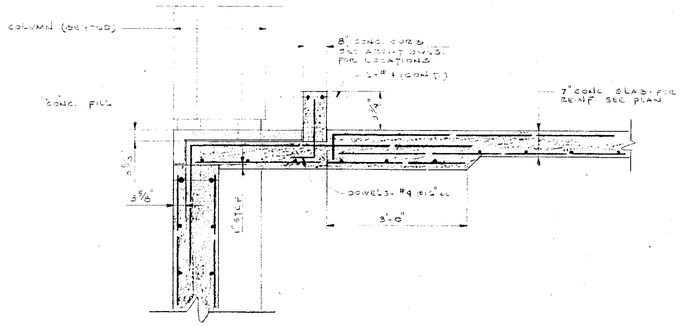
SECTION 1-C

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



SECTION 1-B

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



SECTION 1-A

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

82'-0"
82'-0"
164-1

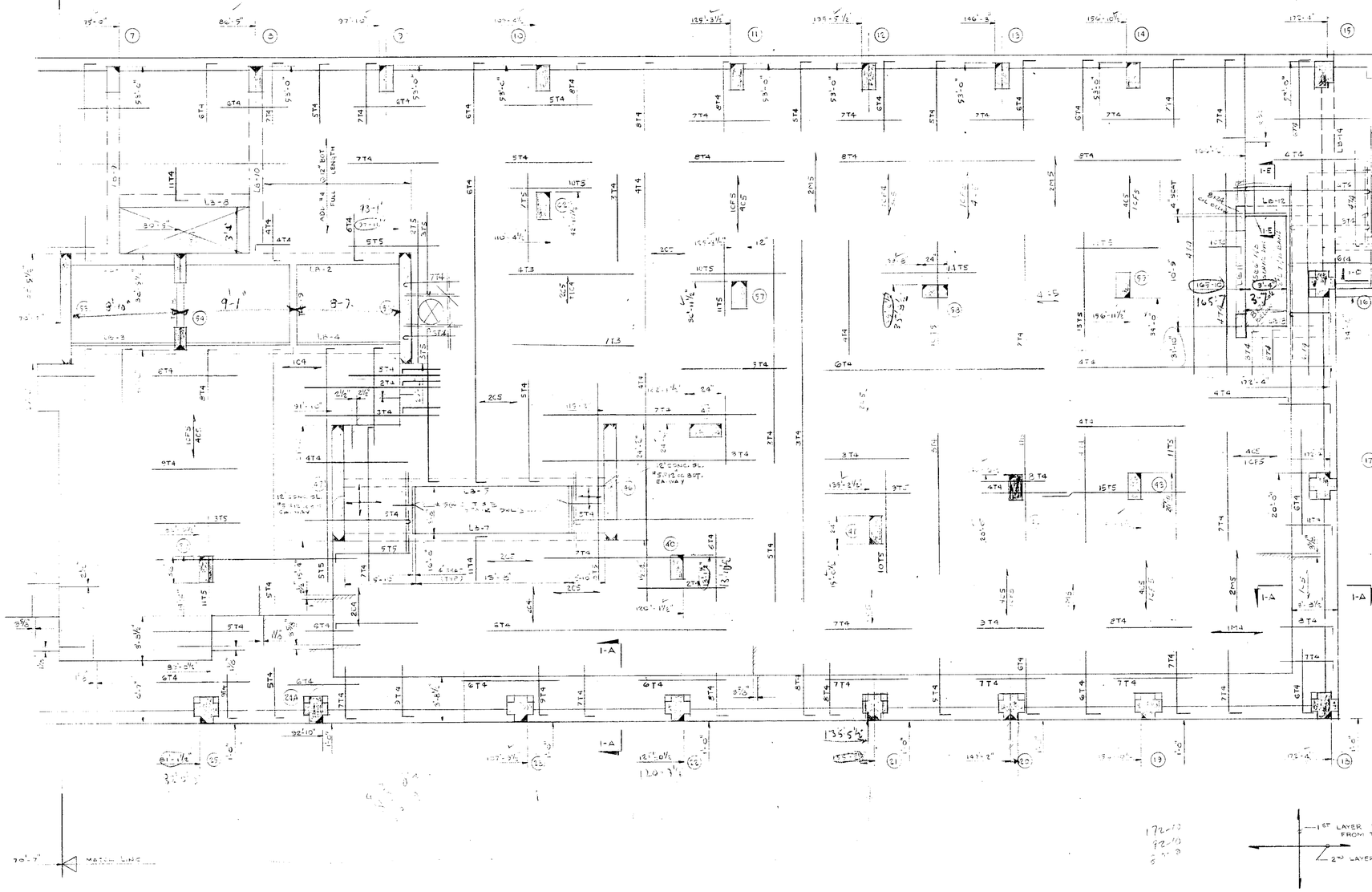
37'-0"
258
11-1/2

BERNARD J. SHAW & ASSOCIATES
CONSULTING ENGINEERS
34 PINE STREET

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: PARTIAL LOBBY FLOOR FRAMING PLAN

DRAWN BY	PROJECT	DATE
CHKD. BY	TAVERN APARTMENT 440 ELIZABETH AVE. NEWARK, NEW JERSEY	REVISIONS
SCALE		A
DRAWING NO. S-5		B
SHEET 21 OF 55		C
		D
		E



BEAM SCHEDULE

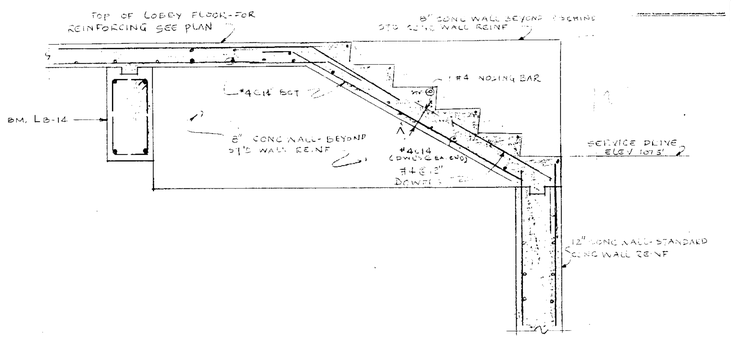
BM MK	BM SIZE WIDTH INCH	BM SIZE DEPTH INCH	BOTT. REINF. FULL LENGTH	BOTT. REINF. SHORT LENGTH	TOP REINF. CONT. L. END	TOP REINF. CONT. R. END	TOP REINF. SKETCH L. END	TOP REINF. SKETCH SPAN R. END	STIRRUPS SIZE	STIRRUPS TYPE	STIRRUPS SPACING EA. END UNLESS NOTED	NOTES
LB-1	8	20	FROM LB-2		2#10				#3		LE 1@3, 3@6, BAL @12" RE 1@2, 3@6, 6@8, BAL @12"	
LB-2	8	20	2#9		FROM LB-1				#3		LE 1@2, 2@3, 4@6, 7@9, BAL @12" RE 1@3, 3@6, 5@9, BAL @12"	
LB-3	8	20	FROM LB-4		2#9				#3		LE 1@3, 3@6, BAL @12" RE 1@3, 3@6, 4@8, BAL @12"	
LB-4	8	20	2#9		FROM LB-3				#3		LE 1@2, 3@4, 3@6, 3@8, BAL @12" RE 1@2, 3@6, 7@8, BAL @12"	
LB-5	8	22	2#11		2-#7				#3		1@3, 3@6, 7@10, BAL @12"	
LB-7	8	22	2#11		2-#7				#3		1@3, 3@6, 7@10, BAL @12"	
LB-8	8	16	2#6		2#6				#3		1@3, 3@6, BAL @12"	
[illegible]	[illegible]	16	2#7		2#6				#3		1@3, 3@6, 3@8, BAL @12"	
LB-10	12	16	2#7		2#6				#3		1@3, 3@6, 3@8, BAL @12"	
[illegible]	8	18	2#6		2#5				#3		[illegible]	
LB-12	12	18"	2#6		4#5				#3		[illegible]	SEE STAIR SECT.
LB-13	12	18	2#6		2-#5				#3		1@3, 2@6, BAL @12"	
LB-14	12	24	2-#9		2-#7				#3		1@4, 2#10, BAL @12"	
GR-1	36	24	9#11		4#11				#3		[illegible]	
GR-2	[illegible]	[illegible]	[illegible]		4#11				#3		[illegible]	
GR-3	12	24	2#9		2#6				#3		[illegible]	[illegible]
MB-1	24	28½	3-#7		3#7				#3		[illegible]	SEE DWG 5-5 FOR COLATION

BEAM NOTES

1) BM MK LB-6 NOT USED
2) BM MK LB-4 & LB-5 DETAIL SEE ARCH'T ELEVATION DETAIL DWG
3. BM MK LB-2 DETAIL SEE TOP STAIR SECTION
4. BM MK GR GR2 GR3 ARE GARAGE BMS
5. EXTEND TOP BAR TO PASS THRU SHEARWALLS

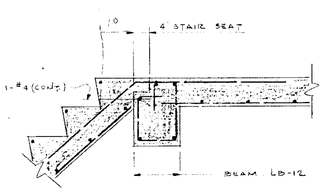
PARTIAL LOBBY FLOOR FRAMING PLAN

SCALE 1/4"=1'-0"



SECTION 1-D

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



SECTION 1-E

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

BEN FLOOR NOTES:

1. [illegible] BE 7 THICK STONE [illegible]
2. [illegible] IN THE SHORT [illegible] IN THE LONG
3. [illegible] SHALL BE A-45 OF [illegible]
4. [illegible] AND OPE MF ARE IN ADDITION TO BOT MAT BAR
5. [illegible] TOTAL NO. TOP BAR
6. ALL TOP BARS SHALL BE HOOKED AT [illegible] ENDS OF [illegible]
7. FOR TYPICAL DETAILS & GENERAL NOTES SEE DRAWING S-14
8. FOR ADDED REINF AR [illegible] SEE TYP FLOOR DIM PLAN DWG S-21

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MORRISTOWN, N.J. 07960

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ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: PARTIAL LOBBY FLOOR FRAMING PLAN

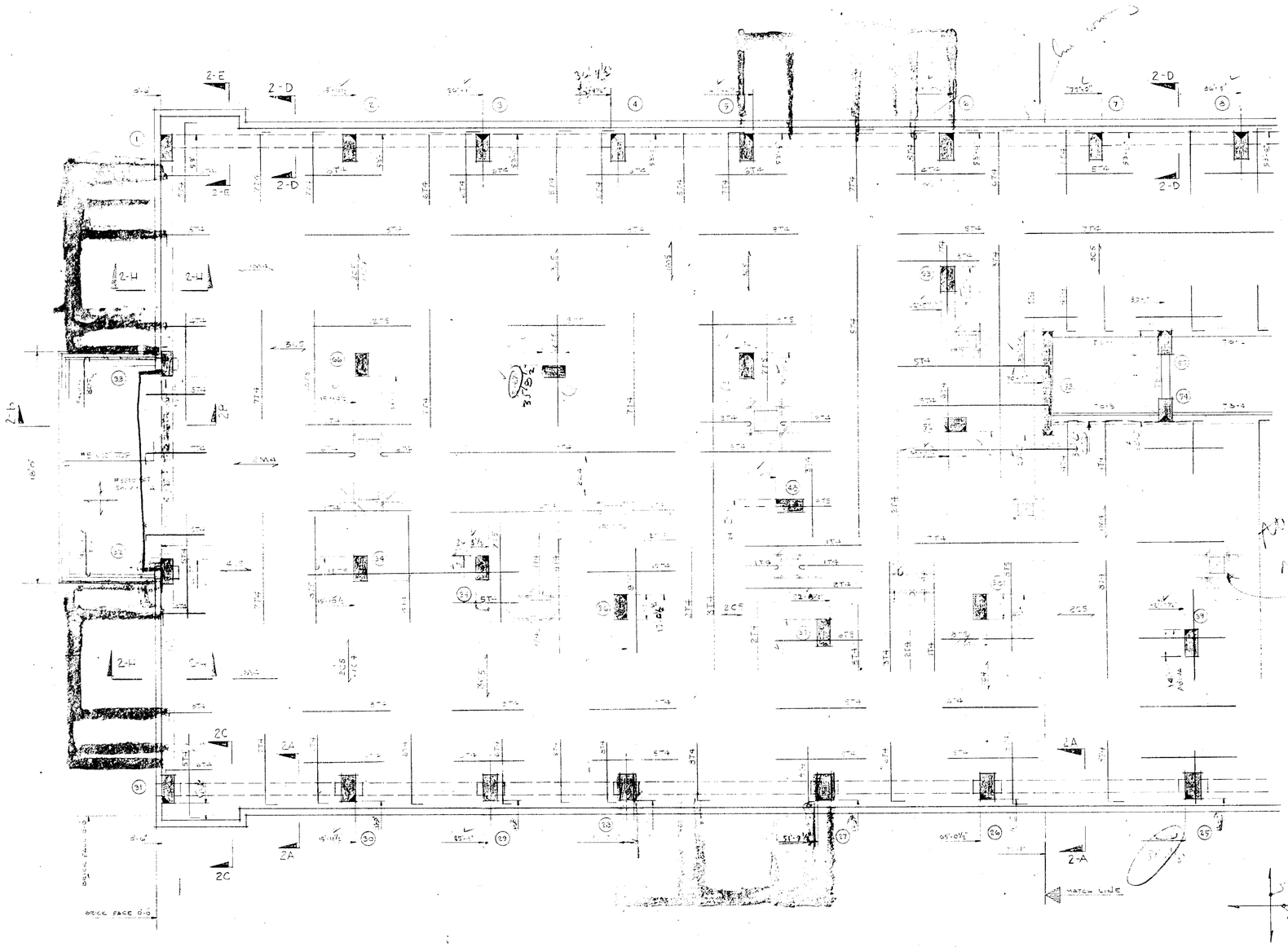
DRAWN BY
CHKD. BY
SCALE
DRAWING NO. S-6
SHEET 22 OF 55

PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVE., NEWARK, NEW JERSEY

DATE 1/20/[illegible]
REVISIONS: A, B, C, D, E

N.J. CERTIFICATE NO. C-1784

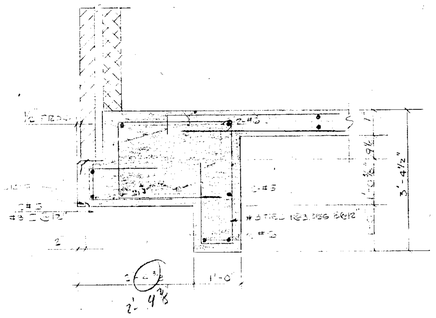
R. Bottelli Jr.
STANFORD BOTTELLI



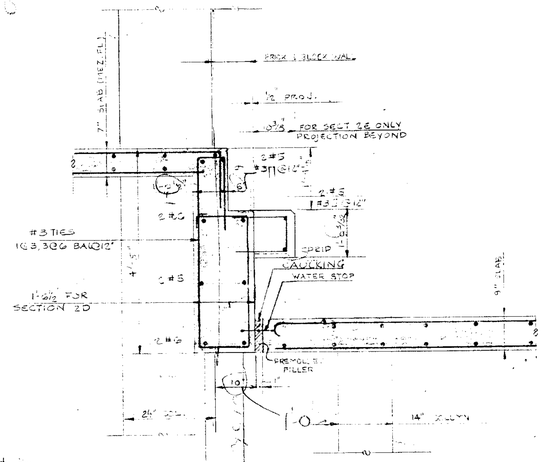
PARTIAL MEZZANINE FLOOR FRAMING PLAN

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

FOR MEZZANINE ... SEE DWG. 2-8

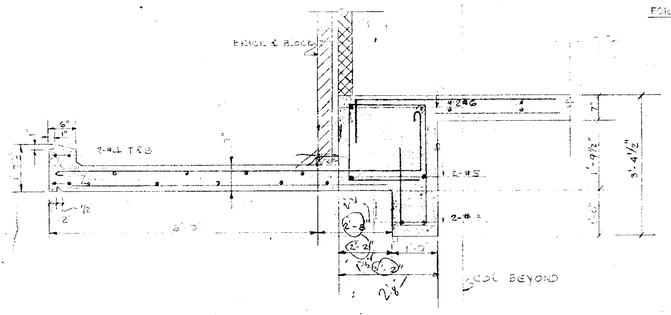


SECTION 2-C



SECTION 2-A

SCALE 3/4"=1'-0"



SECTION 2-B

SCALE 3/4"=1'-0"

SECTION 2-D

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

SECTION 2-E

SAME AS SECTION 2-D EXCEPT AS NOTED

.15" 2 1/2 / 110

1-2

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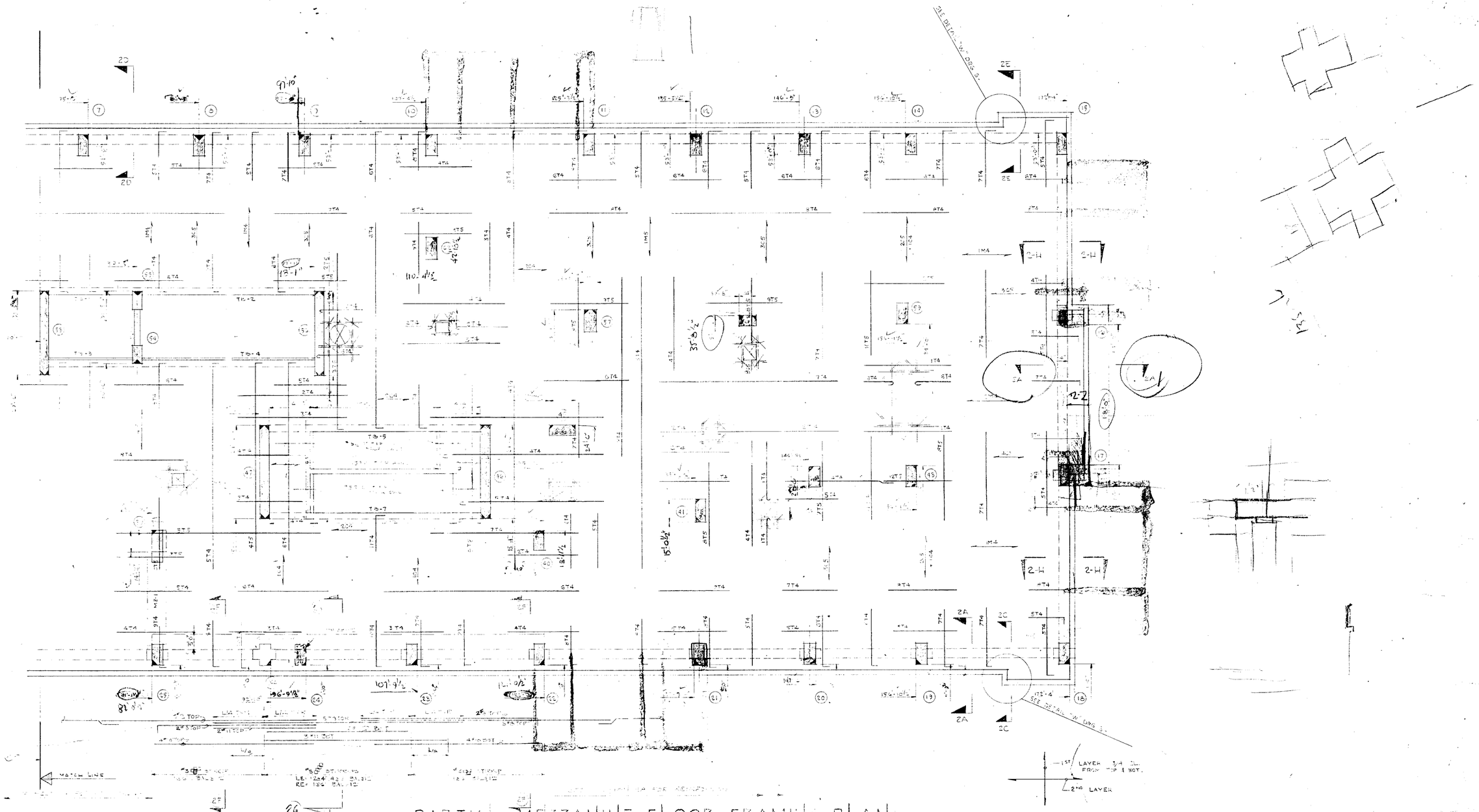
TITLE: PARTIAL MEZZANINE FLOOR FRAMING PLAN

DRAWN BY	PROJECT	DATE 1/20/76
CHKD. BY	TAVERN APARTMENT 440 ELIZABETH AVE. NEWARK, NEW JERSEY	REVISIONS
SCALE		A
DRAWING NO. S-7		B
		C
		D
SHEET 23 OF 55		E

N.J. CERTIFICATE NO. C-1784 R Bottelli Jr.



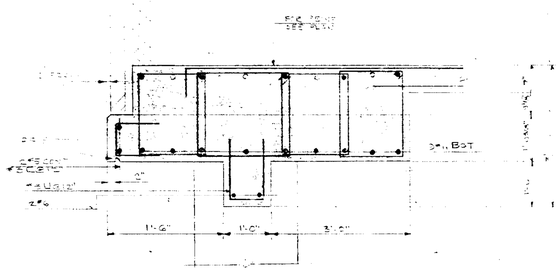
PARTIAL MEZZANINE FLOOR FRAMING PLAN

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

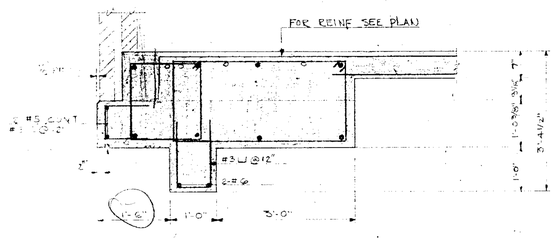
MEZZANINE FLOOR FRAMING NOTES

FOR SECTIONS SEE DWG S-7

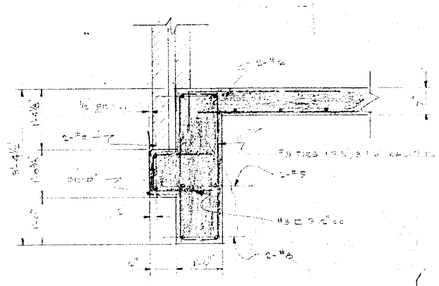
1. ALL MEZZANINE FLOOR SLABS SHALL BE 7" THICK STONE CONC. OF MIN. 3000 P.S.I. STRENGTH @ 28 DAYS.
2. PROVIDE A CONT. BOT. MAT. OF #4 @ 4 1/2 IN THE SHORT DIRECTION OF BUILDING & #4 @ 4 1/2 IN THE LONG DIRECTION OF BUILDING
3. REINFORCING SAME IN TYPICAL FLOORS EXCEPT AS NOTED
4. FOR BALANCE OF NOTES SEE TYPICAL FLOOR FRAMING PLAN DWG S-14



SECTION 2G



SECTION 2F



SECTION 2-H

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

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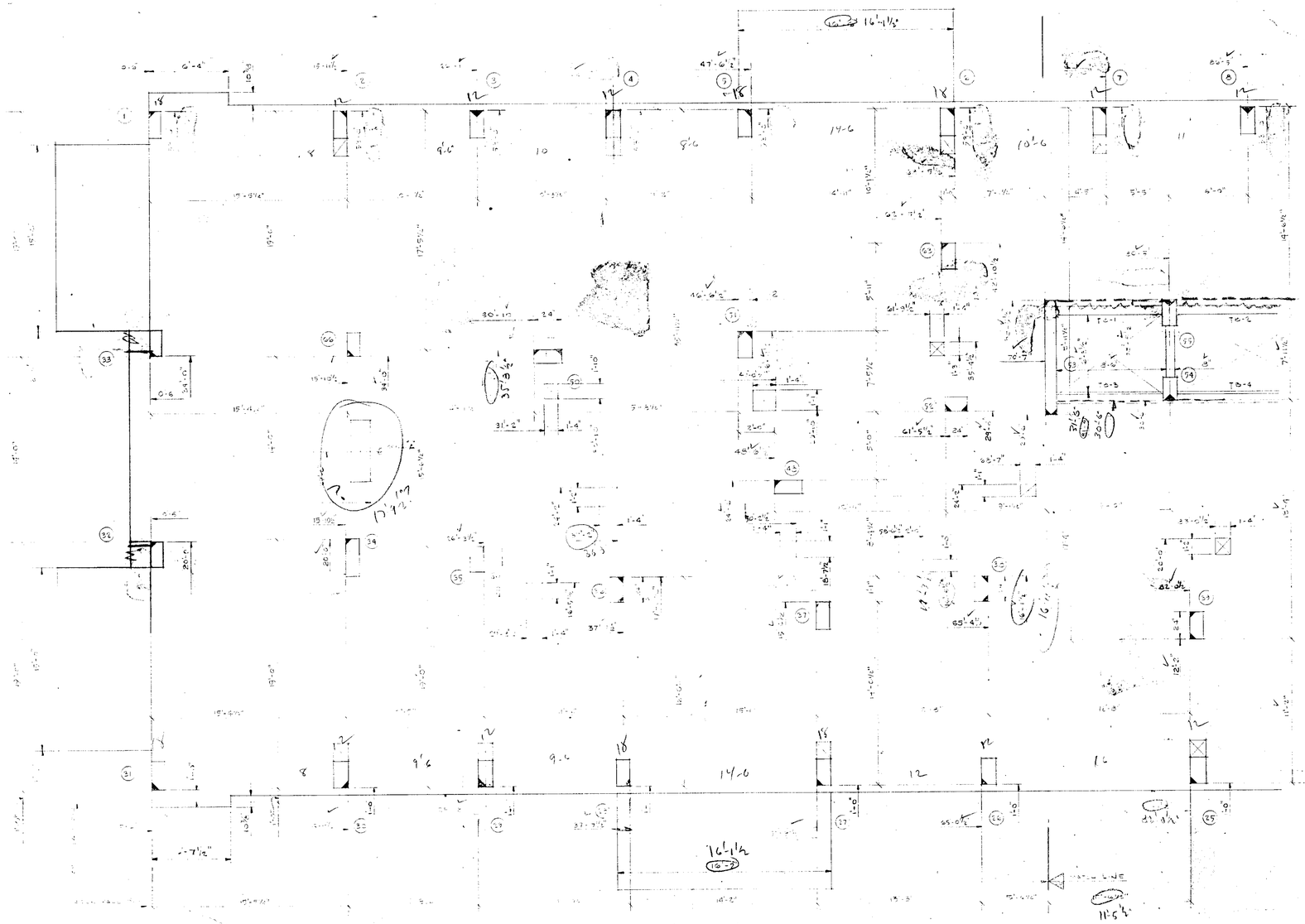
TITLE: PARTIAL MEZZANINE FLOOR FRAMING PLAN

PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVE., NEWARK, NEW JERSEY

DRAWN BY:
CHKD. BY:
SCALE:
DRAWING NO. S-8
SHEET 24 OF 55
DATE 1/20/60
REVISIONS: A, B, C, D, E

N.J. CERTIFICATE NO. C-1784



PARTIAL TYPICAL FLOOR DIMENSION PLAN
& FLOOR OPENINGS PLAN (LEFT)
SCALE: 1/4" = 1'-0"

BERNARD J. SHAW & ASSOCIATES
CONSULTING ENGINEERS
84 PINE STREET
MORRISTOWN, N.J. 07960

ROMOLO BOTTELLI JR. F.A.I.A.
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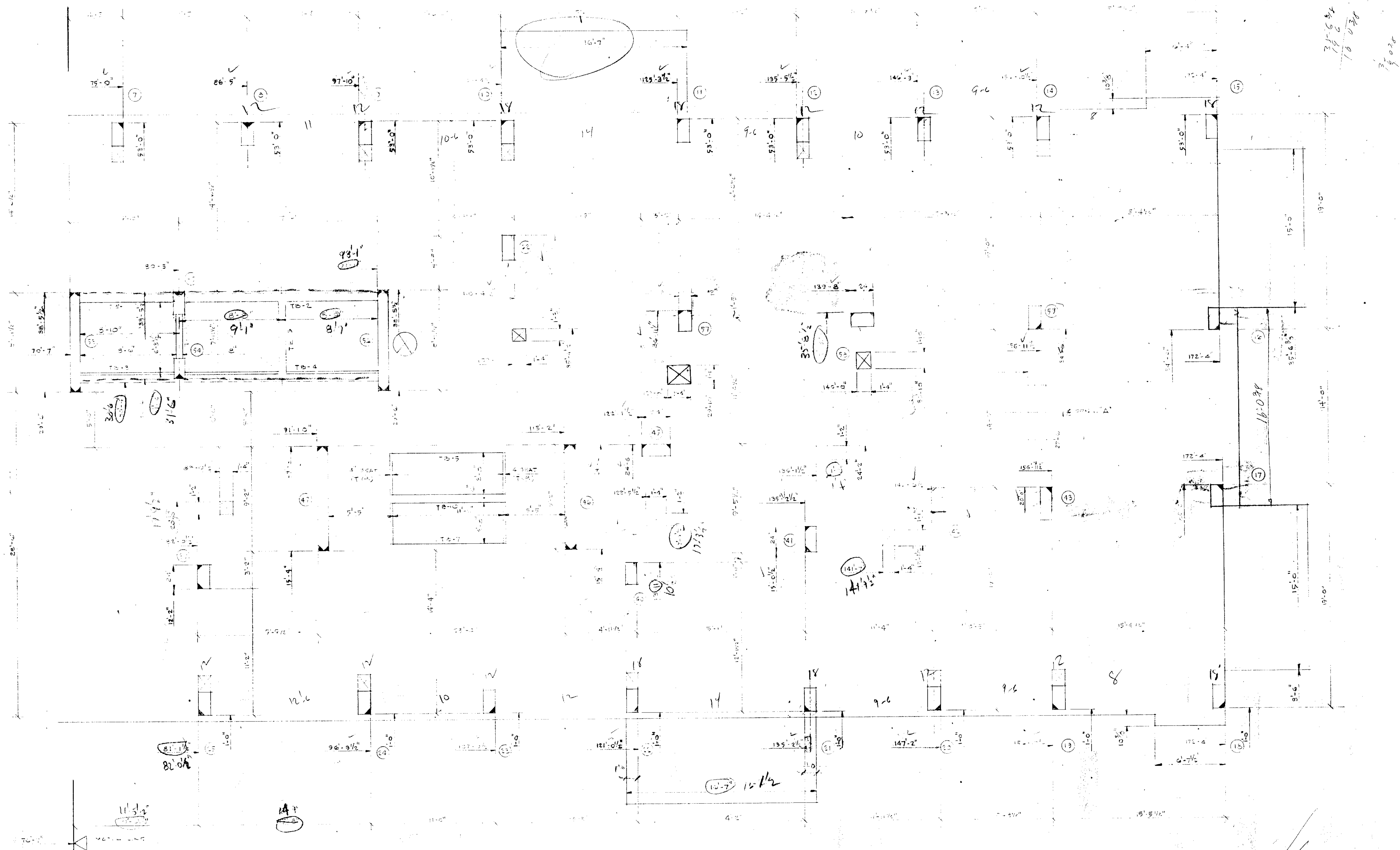
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: PARTIAL TYPICAL FLOOR DIMENSION PLAN (LEFT)

DRAWN BY	PROJECT	DATE: 1/20/69
CHKD. BY		REVISIONS
SCALE	TAVERN APARTMENT	A
DRAWING NO. S-9	440 ELIZABETH AVE.	B
	NEWARK, NEW JERSEY	C
SHEET 25 of 35		D
N.J. CERTIFICATE NO. C-1784	R. Bottelli Jr.	E



PARTIAL TYPICAL FLOOR DIMENSION PLAN
& FLOOR OPENINGS PLAN (RIGHT)
SCALE: 1/4"=1'-0"

FLOOR	SIZE
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	15"×17"
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	19"×21"
[illegible]	19"×23"
10TH	19"×25"
[illegible]	19"×27"
[illegible]	19"×29"
[illegible]	19"×31"
[illegible]	[illegible]
[illegible]	19"×35"
[illegible]	19"×37"
[illegible]	19"×39"
[illegible]	19"×41"
[illegible]	19"×43"
[illegible]	19"×45"
21ST	19"×46"
22ND	19"×47"
23RD	19"×48"
24TH	19"×49"
25TH	19"×50"

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34 PINE STREET
MORRISTOWN, N.J. 07960

ROMOLO BOTTELLI JR. F.A.I.A.
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1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: PARTIAL TYPICAL FLOOR DIMENSION PLAN & FLOOR OPENINGS PLAN

DRAWN BY
CHKD. BY
SCALE

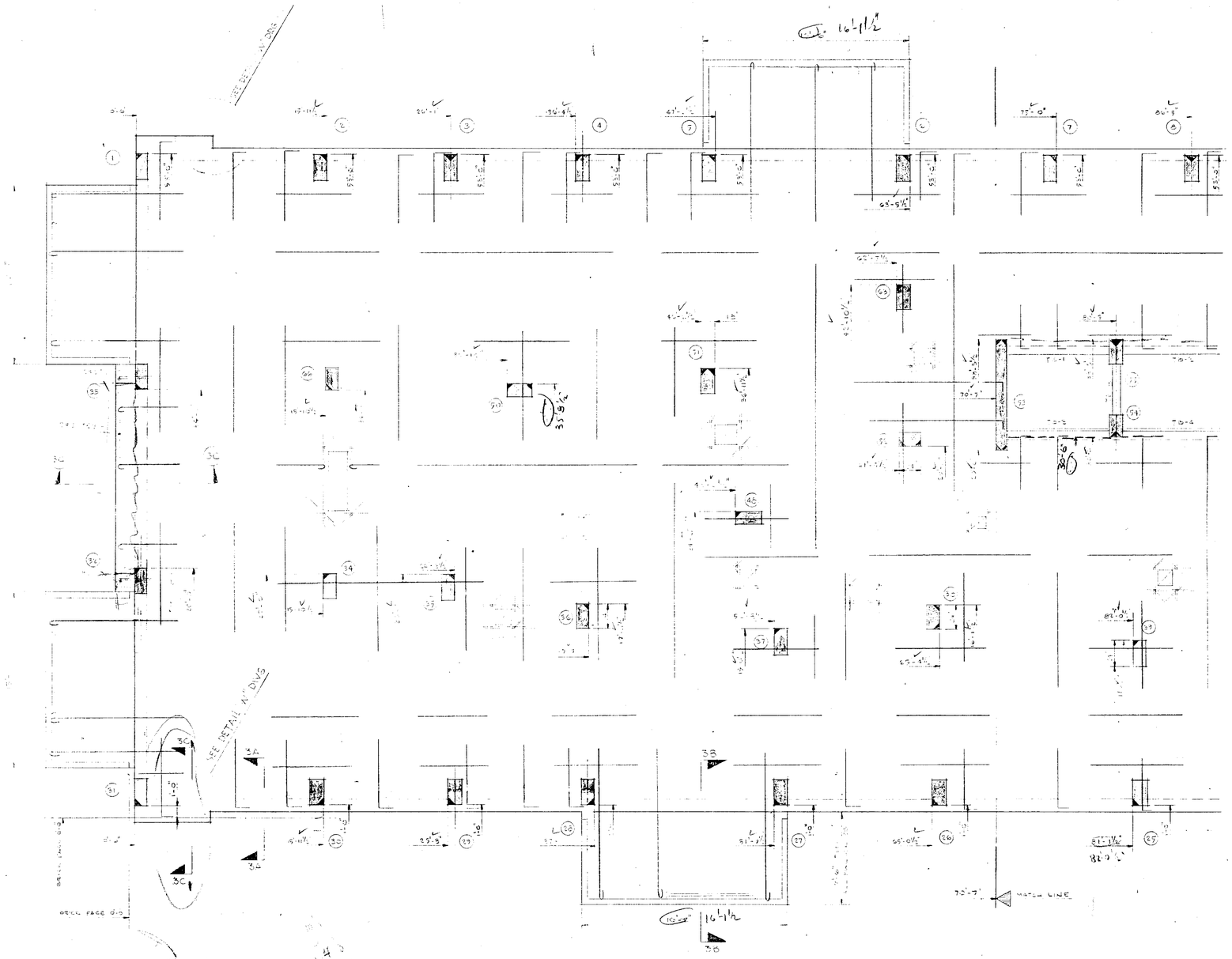
PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVE., NEWARK, NEW JERSEY

DATE 12/64

REVISIONS: A, B, C, D, E

DRAWING NO. S-10
SHEET 26 OF 65

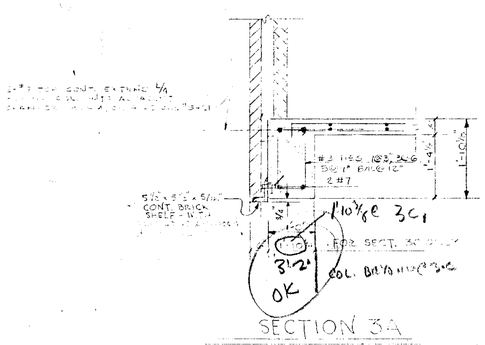
N.J. CERTIFICATE NO. C-1784 R. Bottelli Jr.



PARTIAL 3RD FLOOR FRAMING PLAN

SCALE: ¼"=1'-0"

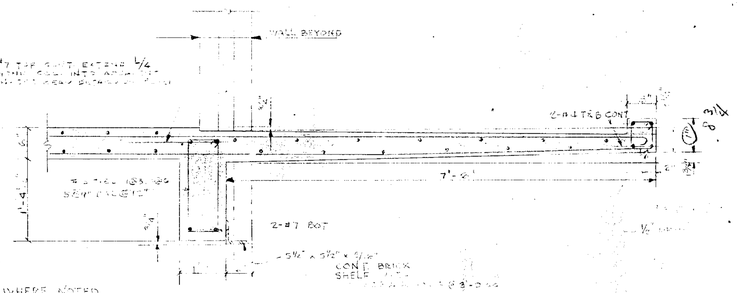
FOR 3RD FLOOR NOTES SEE DWG #S-12



SECTION 3A

SCALE: ¾"=1'-0"

SECTION 3C SIMILAR EXCEPT WHERE NOTED



SECTION 3B

SCALE: ¾"=1'-0"

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MORRISTOWN, N.J. 07960

ROMOLO BOTTELLI JR. F.A.I.A.
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1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: PARTIAL 3RD FLOOR FRAMING PLAN

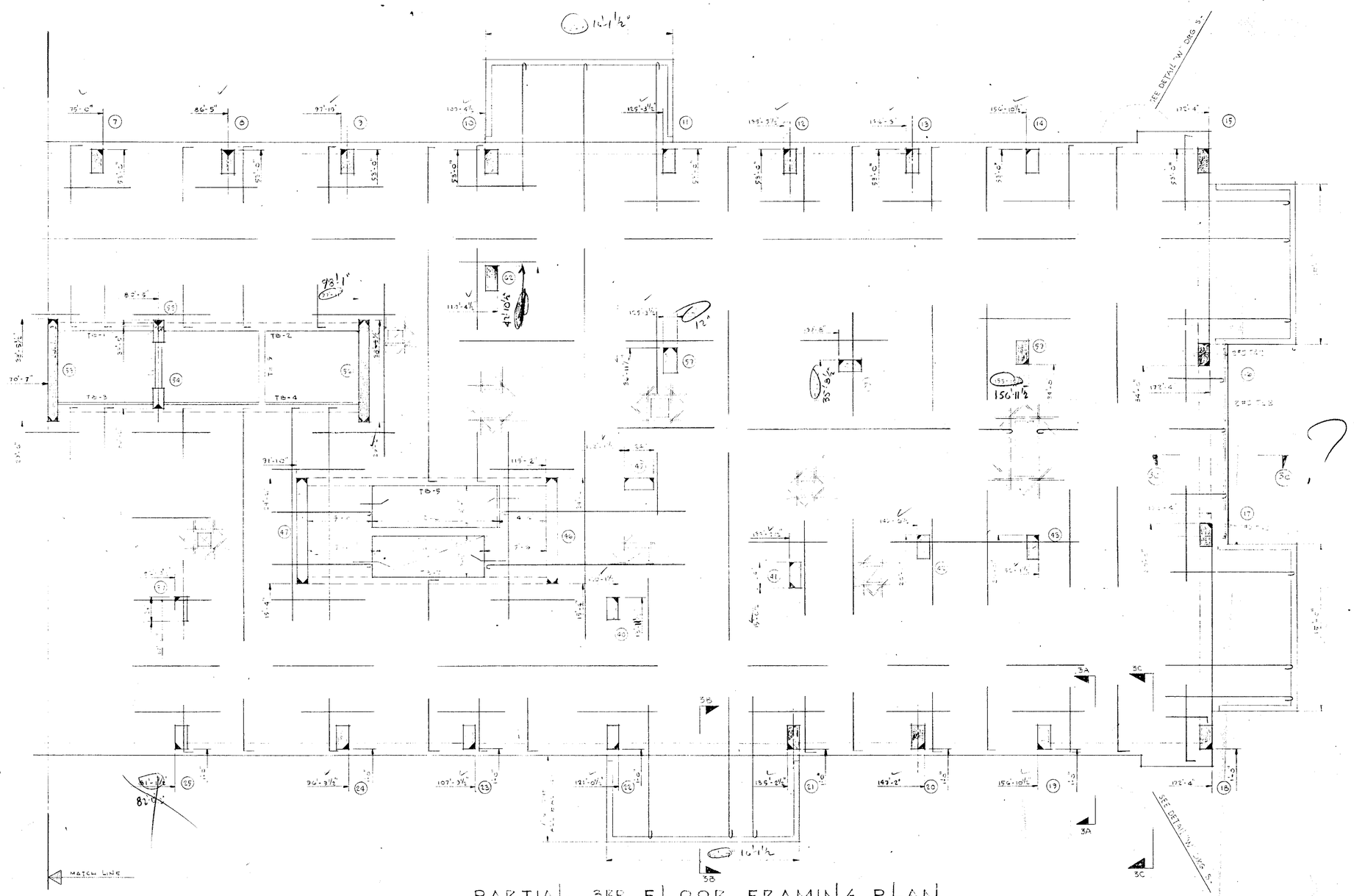
DRAWN BY	
CHKD. BY	
SCALE	
DRAWING NO.	S-11
SHEET	27 OF 56

PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVE., NEWARK, NEW JERSEY

DATE: 1/23/67

REVISIONS: A, B, C, D, E

N.J. CERTIFICATE NO. C-1784



PARTIAL 3RD FLOOR FRAMING PLAN

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

3RD FLOOR NOTES:

1. ALL 3RD FLOOR SLABS SHALL BE 6" THICK STONE CONC. OF MIN. 3000 P.S.I. STRENGTH @ 28 DAYS.
2. PROVIDE A CONT. BOT. MAT OF #3@10"c/c IN THE SHORT DIRECTION OF BUILDING & #3@10"c/c IN THE LONG DIRECTION OF BUILDING.
3. REINFORCING SAME AS TYPICAL FLOORS EXCEPT AS NOTED.
4. FOR BALANCE OF NOTES SEE TYPICAL FLOOR PLAN DWG S-C1

FOR SECTIONS ... S-1

91'-10
82'-6½

83'-6½
82'-6½

91-10
2-6½
90 3½
82-6½
2-9

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: PARTIAL 3RD FLOOR FRAMING PLAN

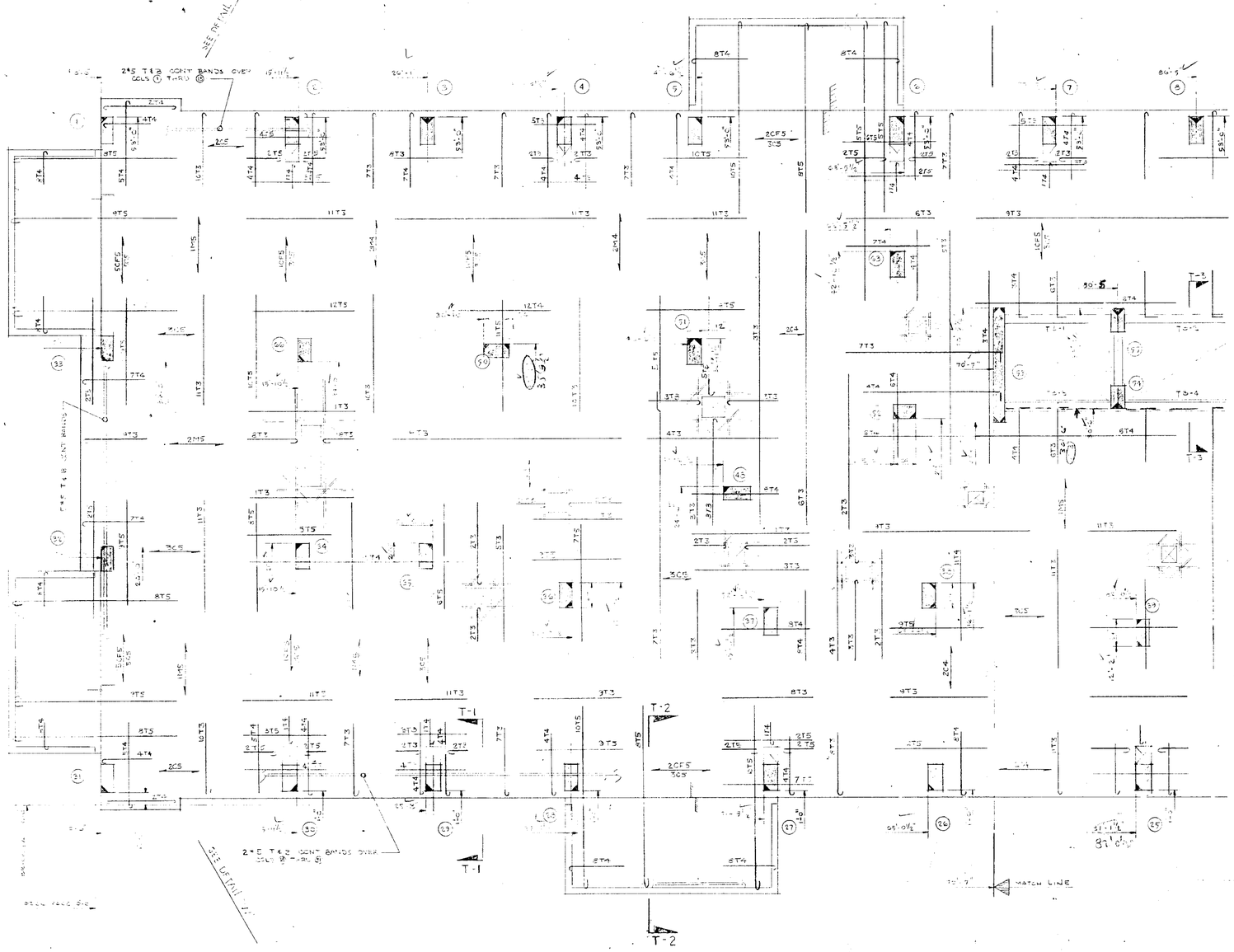
DRAWN BY
CHKD. BY
SCALE
DRAWING NO. S-12
SHEET 28 OF 55

PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVE., NEWARK, NEW JERSEY

DATE 1/20/64
REVISIONS: A, B, C, D, E

N.J. CERTIFICATE NO. C-1784 R.B. Bottelli Jr.

BERNARD J. SHAW & ASSOCIATES
CONSULTING ENGINEERS
34 PINE STREET
MORRISTOWN, N.J. 07960



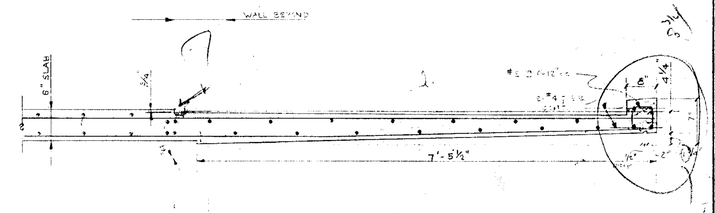
PARTIAL TYPICAL FLOOR FRAMING PLAN

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

FOR TYPICAL FLOOR FRAMING NOTES SEE DWG. S-14

BEAM SCHEDULE												
BEAM MK	BEAM SIZE		BOTTOM REINF.		TOP REINF.		TOP REINF. SKETCH		STIRRUPS			NOTES
	WIDTH IN.	DEPTH IN.	FULL LENGTH	SHORT LENGTH	CONT. L. END	CONT. R. END	L. END	℄ SPAN R. END	SIZE	TYPE	SPACING AT END UNLESS NOTED	
TB-1	8	18	2#6		2#7				#3		LE=1@3, 3@6 BAL @ 12" RE=1@3, 3@6, 3@7 BAL @ 12"	
TB-2	8	18	2#7		FROM TB-1				#3		LE=1@3, 3@6, 8@7 BAL @ 12" RE=1@3, 3@6, 6@7 BAL @ 12"	
TB-3	9	17	FROM TB-4		2#7				#3		LE=1@3, 3@6 BAL @ 12" RE=1@3, 3@6, 6@7 BAL @ 12"	SECT. T-3
TB-4	9	17	2#6		FROM TB-3				#3		LE=1@3, 2@5, 3@6, 8@7 BAL @ 12" RE=1@3, 3@6, 6@7 BAL @ 12"	SECT. T-3
TB-5	8								#3		1@3, 3@6, 4@9 BAL @ 12"	
TB-6	8	16	2#6		2#6				#3		1@3, 3@6, 4@9 BAL @ 12"	
TB-8	8	16	2#6		2#6				#3	□	1@3, 3@6 BAL @ 12"	
TB-9	6	18	2-#5		2-#5				#3	□	@3 BAL @ 8"	
TB-10	6	17	2-#5		2-#5				#3	□	@3, 3@6 BAL @ 12"	
		12										

BEAM SCHEDULE NOTES:

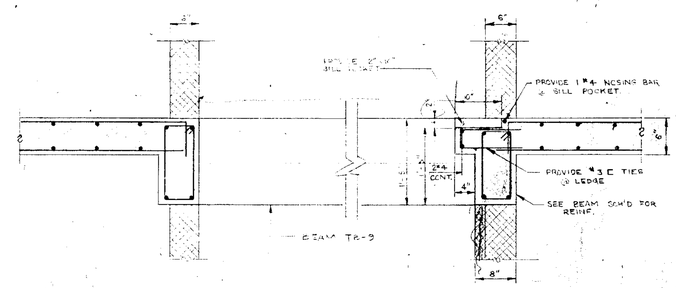


SECTION T-2

THROUGH BALCONY TYPICAL

SCALE: 1" = 1'-0"

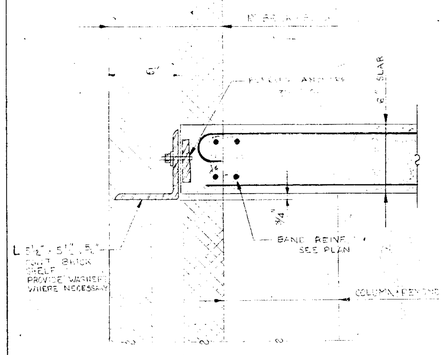
Wrong



SECTION T-3

TYPICAL ELEVATOR OPENING

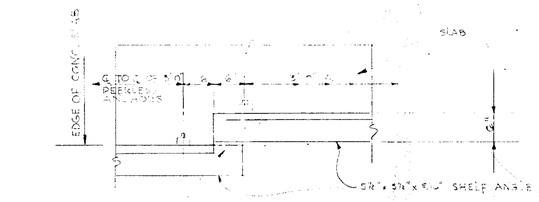
SCALE: 1" = 1'-0"



SECTION T-1

BETWEEN BALCONY TYPICAL

SCALE: 2¼" = 1'-0"



DETAIL "W"

SHELF ANGLE DETAIL

SCALE 1" = 1'-0"

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MORRISTOWN, N.J. 07960

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

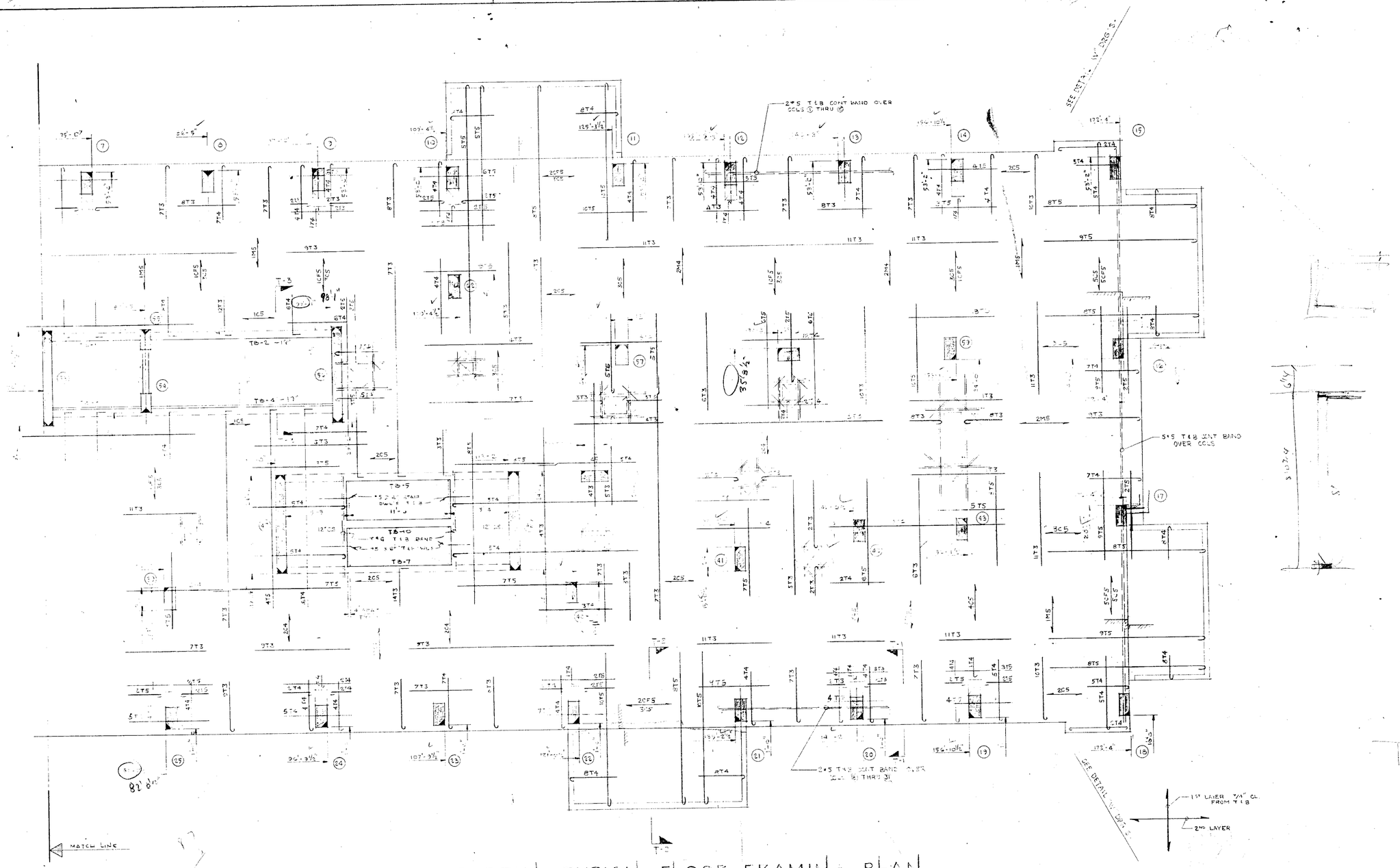
TITLE: PARTIAL TYPICAL FLOOR FRAMING PLAN

DRAWN BY
CHKD. BY
SCALE
DRAWING NO. S-13
SHEET 29 OF 55

PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVE., NEWARK, NEW JERSEY

DATE 1/20/69
REVISIONS: A, B, C, D, E

N.J. CERTIFICATE NO. C-1784



PARTIAL TYPICAL FLOOR FRAMING PLAN

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

TYPICAL FLOOR NOTES:

1. ALL TYPICAL FLOOR SLABS SHALL BE 6" THICK STONE CONC. OF MIN. 3000 P.S.I. STRENGTH @ 28 DAYS.
2. PROVIDE A CONT. BOT. MAT OF #3 @ 10" c/c IN THE SHORT DIRECTION OF BUILDING & #4 @ 14" c/c IN THE LONG DIRECTION OF BUILDING.
3. ALL REINF. SHALL BE A-432 OF MIN. 60,000 P.S.I STRENGTH.
4. BARS MKD "4" OF L.F. AND "5" OF M.F. ARE IN ADDITION TO BOT MAT REINF.
5. BARS MKD "T" ARE TOTAL NO. TOP BARS.
6. ALL TOP BARS SHALL BE HOOKED AT DISCONTINUOUS ENDS.
7. FOR TYPICAL DETAILS & GENERAL NOTES SEE DRAWING S-21
8. FOR ADDED REINF. AROUND OPENINGS SEE TYP. FLOOR DIM. PLAN DWG S-9 & S-10
9. 12" C.S. [illegible] CONCRETE SLAB W/ #5 @ 12" c/c MOT EACHWAY

FOR STAIR SECTION SEE DRG S-18

FOR SECTIONS SEE DRG S-18

BERNARD J. SHAW & ASSOCIATES
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34 PINE STREET
MORRISTOWN, N.J. 07960

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

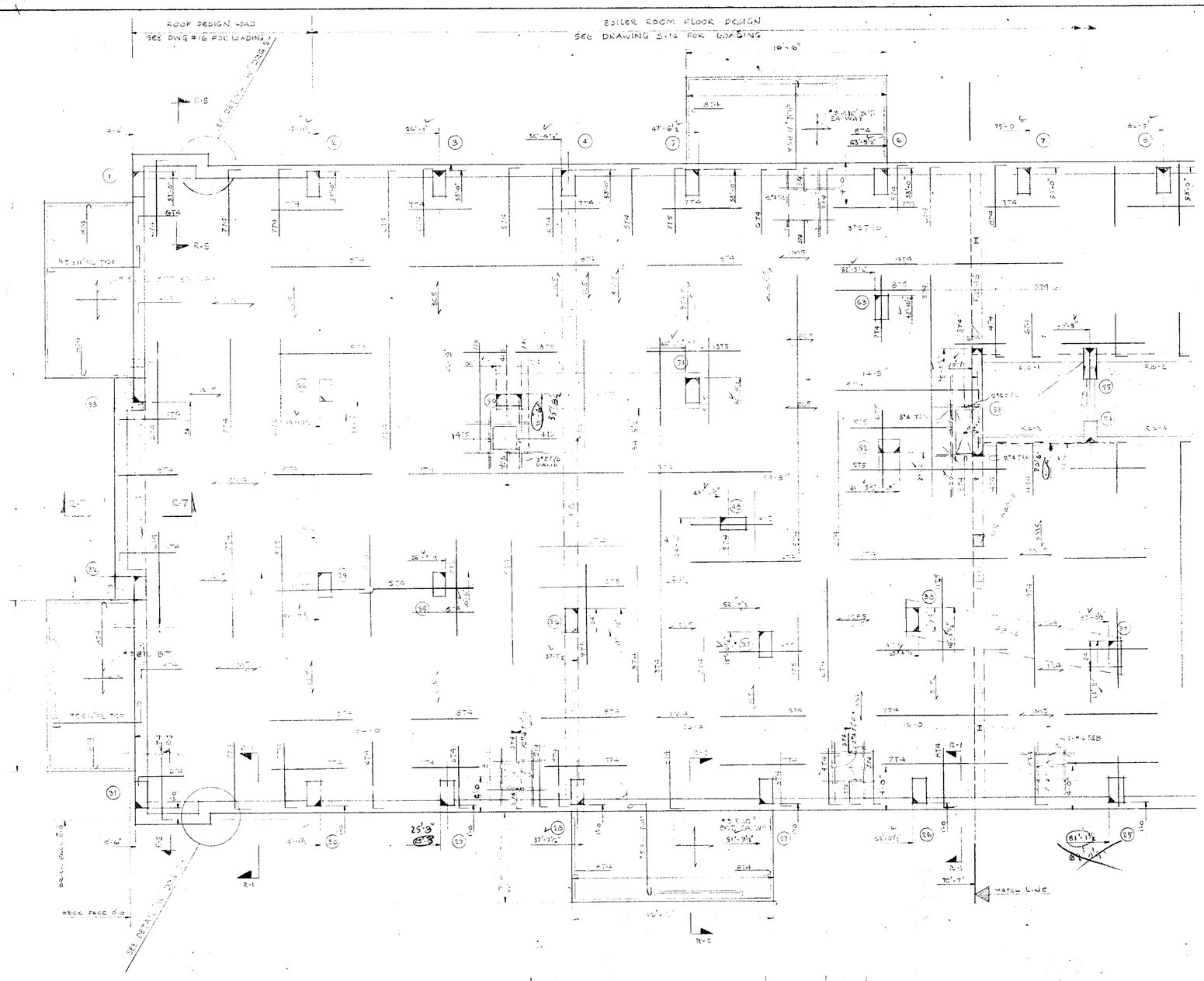
TITLE: PARTIAL TYPICAL FLOOR FRAMING PLAN

DRAWN BY
CHKD. BY
SCALE
DRAWING NO. S-14
SHEET 30 OF 58

PROJECT
TAVERN APARTMENT
440 ELIZABETH AVE.
NEWARK, NEW JERSEY

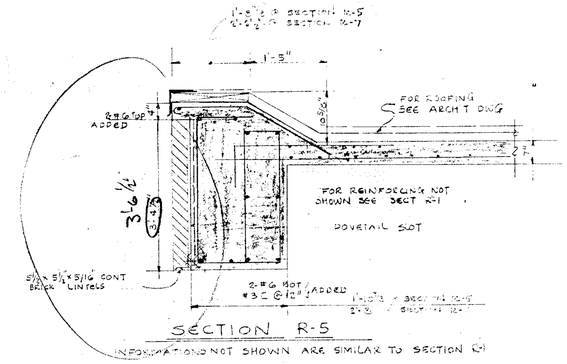
DATE 1/20/69
REVISIONS
A
B
C
D
E

N.J. CERTIFICATE NO. C-1784



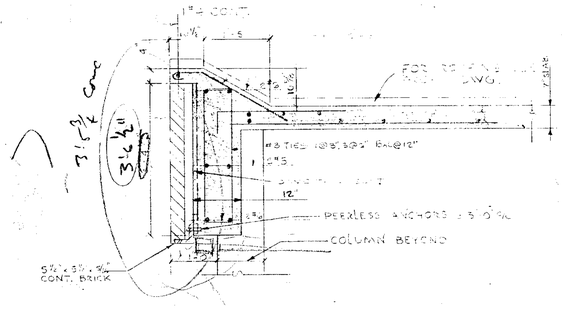
PARTIAL ROOF FRAMING PLAN
SCALE 1/4" = 1'-0"

FOR ROOF FRAMING NOTES SEE DWG S-16
ALL OPENINGS MUST BE COORDINATED BY MECHANICAL CONTRACTOR

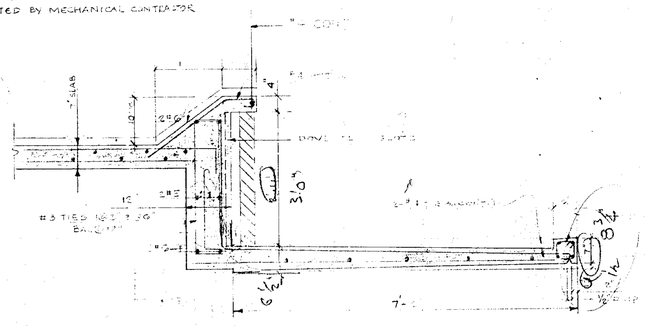


SECTION R-5
INFORMATIONS NOT SHOWN ARE SIMILAR TO SECTION R-1

SECTION R-7 SIMILAR EXCEPT AS NOTED



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



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

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TITLE: PARTIAL ROOF FRAMING PLAN

DRAWN BY
CHKD. BY
SCALE
DRAWING NO. S-15
SHEET 31 OF 55

PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVE., NEWARK, NEW JERSEY

DATE 1/29/56
REVISION: A B C D E

N.J. CERTIFICATE NO. C-1784

BERNARD J. SHAW & ASSOCIATES
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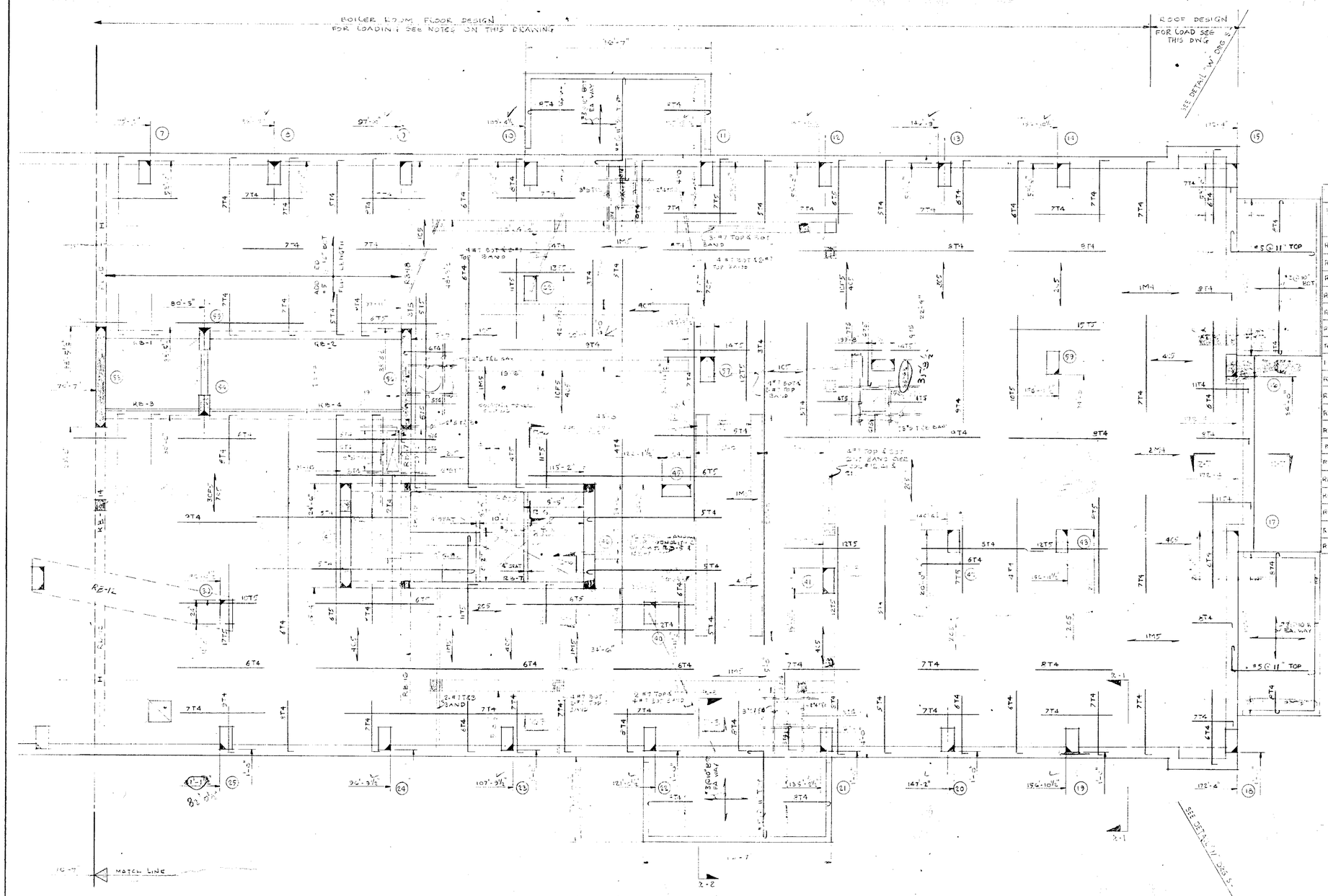
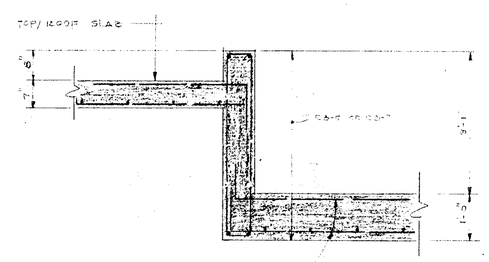
34 PINE STREET
MORRISTOWN, N.J. 07960



PARTIAL ROOF FRAMING PLAN

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

FOR SECTIONS SEE DWG S-



SECTION 2-3

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

BEAM SCHEDULE

MK	DEPTH	WIDTH	BOTT. REINF. FULL LENGTH	BOTT. REINF. SHORT LENGTH	TOP REINF. LENGTH	TOP REINF. SPAN	TOP REINF. SKETCH END	TOP REINF. SKETCH SPAN & END	STIRRUPS TYPE	STIRRUPS SIZE	STIRRUPS SPACING EACH END	NOTES
RB-1	8	20	2-#6		2	#8				#3	LE 10.3, 3x6 9x12 BA=12" RE 10.3, 2x6 7x12 BA=12"	
RB-2	8	20	FROM RB-1		FROM RB-1					#3	LE 10.3, 3x6 9x12 BA=12" RE 10.3, 3x6 9x12 BA=12"	
RB-3	8	20	2#6		2	#3				#3	LE 10.3, 3x6 9x12 BA=12" RE 10.3, 3x6 9x12 BA=12"	
RB-4	8	20	2x7		FROM RB-3					#3	LE 10.3, 3x6 7x12 BA=12" RE 10.3, 3x6 7x12 BA=12"	
RB-5	8	40	2#11		2	#10				#4	LE 10.3, 3x6 7x12 BA=12"	#1
RB-6			NOT	USED								
RB-7	8	40	2#11		2	#10				#4	LE 10.3, 3x6 9x12 BA=12" RE 10.3, 3x6 9x12 BA=12"	#1
RB-8	36	20	4#11	3#11	3	#11				#4	LE 2x2.2, 4x4 12x4.0 BA=12" RE 10.3, 3x6 9x12 BA=12"	
RB-9	12	24	2x9		2	#8				#3	LE 10.3, 3x6 9x12 BA=12" RE 10.3, 3x6 9x12 BA=12"	
RB-10	12	24	2x9		2	#8				#3	LE 10.3, 3x6 9x12 BA=12" RE 10.3, 3x6 9x12 BA=12"	
RB-11	12	24	FROM RB-9		2	#11				#4	LE [illegible] RE 10.3, 2x6 7x12 BA=12"	
RB-12	36	20	3#11	3#11	3	#11				#4	LE 10.3, 3x6 9x12 BA=12" RE 10.3, 3x6 9x12 BA=12"	
RB-13	12	20	2#11		2	#9				#3	LE 10.3, 3x6 9x12 BA=12" RE 10.3, 3x6 9x12 BA=12"	
RB-14	12	20	FROM RB-13		2	#9				#3	LE [illegible] RE 10.3, 3x6 9x12 BA=12"	
RB-15	12	20	2#11		2	#10				#3	[illegible]	
RB-16	12	20	2#11		2	#9				#3	[illegible]	
RB-17	12	16	2#11 2#6		2	#11 #6				#3	10.3, 3x6 9x12 BA=12"	
RB-18	12	20	2#11		2	#10				#3	[illegible] BA=12"	
RB-19	12	20	2x6		2	#7				#3	[illegible] BA=12"	

NOTE

1 FOR DETAIL OF RB-10 & ELEVATION OF BEAM SEE STAIR SECTION ON DWG S-16

STEEL DUNNAGE BEAM FOR COOLING TOWER SUPPORT BY OTHERS

COOLING TOWER SUPPORT DETAIL

NOTE:

SECTION 1-1

SECTION 1-3

TYP. ELEVATION OF PERIMETER BRICK SCREEN WALL

SCALE:

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ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: PARTIAL ROOF FRAMING PLAN

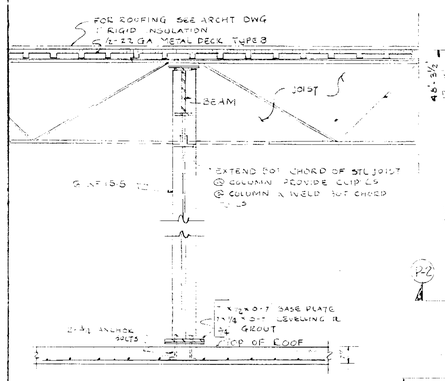
DRAWN BY	
CHKD. BY	
SCALE	
DRAWING NO.	S-16
SHEET 32 OF 55	

PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVE., NEWARK, NEW JERSEY

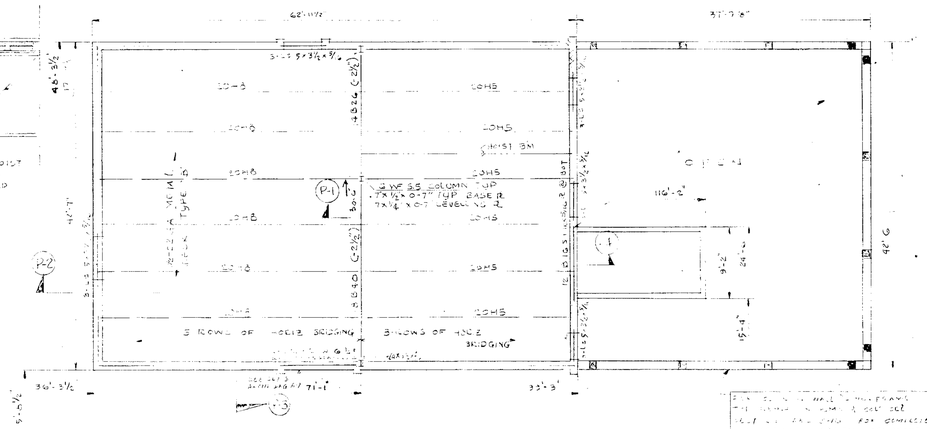
DATE 1/20/47

REVISIONS: A, B, C, D, E

N.J. CERTIFICATE NO. C-1784



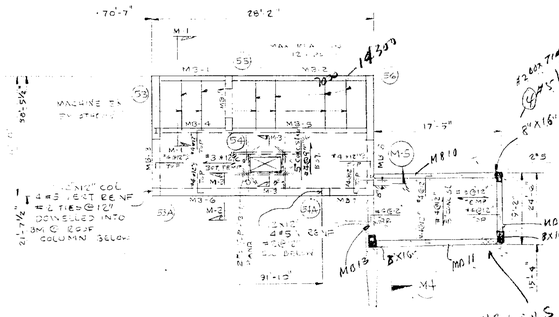
SECTION P-1



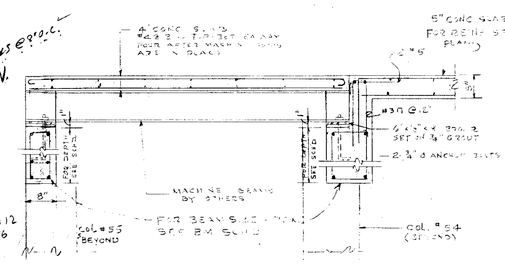
PENTHOUSE ROOF FRAMING PLAN

NOTES

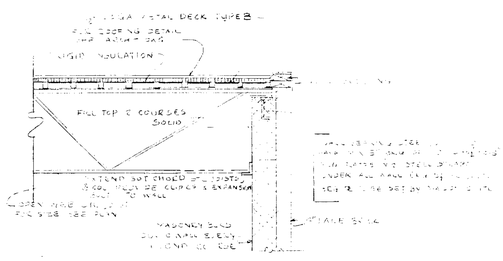
(1) PROVIDE 4"x4"x3/8" L @ ROOF OPENINGS
(2) PROVIDE 16 GA METAL DECK TYPE B PAINTED OVER



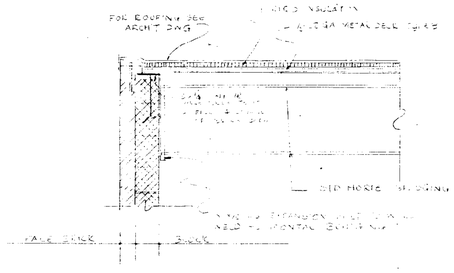
Mc/Rex FLOOR FRAMING PLAN



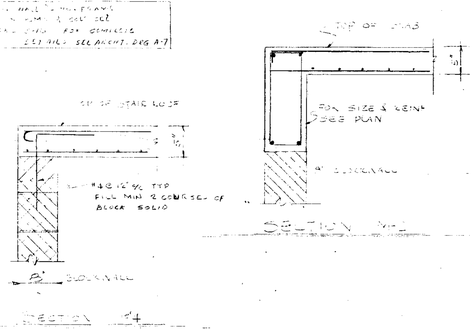
SECTION M-1



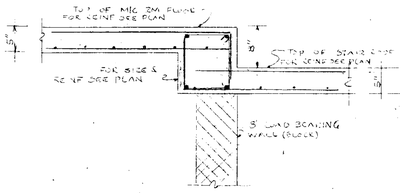
SECTION P-2



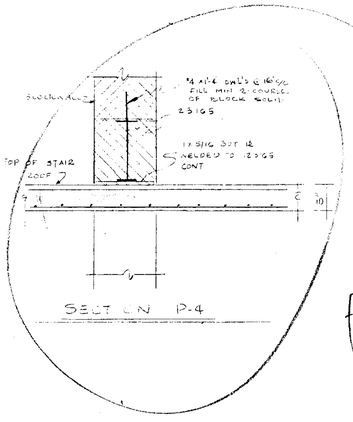
SECTION P-3



SECTION M-4



SECTION M-5



SECTION P-4

OMIT

BEAM SCHEDULE

BM MK	BM SIZE WIDTH INCH	BM SIZE DEPTH INCH	BOT REINF FULL LENGTH	BOT REINF SHORT LENGTH	TOP REINF CONT. L-END	TOP REINF CONT. R-END	TOP REINF SKETCH L-END	TOP REINF SKETCH L SPAN	TOP REINF SKETCH R-END	STIRRUPS SIZE	STIRRUPS TYPE	STIRRUPS SPACING ENDS	STIRRUPS SPACING EVD NOTED	NOTES
MB-1	8	48	2-#8		2-#8					#3	U	[illegible]	[illegible]	
MB-2	8	48	2#8		FROM	MB-1						[illegible]	[illegible]	
MB-3	12	16	2-#6		2-#6							[illegible]	[illegible]	
MB-4	12	[illegible]	2-#8		2-#4							[illegible]	[illegible]	
MB-5	12	[illegible]	2-#5		FROM	MB-4						[illegible]	[illegible]	
MB-6	12	[illegible]	2-#8		2-#3							[illegible]	[illegible]	
MB-7	12	[illegible]	2-#6		FROM	[illegible]						[illegible]	[illegible]	[illegible]
MB-8	12	13	2-#6		2-#6							[illegible]	[illegible]	
MB-9	8	16	2-#6		2-#6					#3		[illegible]	[illegible]	
MB-10	8"	16	11"		11"					#3	U	"	"	
MB-11	"	"	"		"					"	"	"	"	
BM-12	"	"	"		"					"	"	"	"	

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TITLE: PENTHOUSE ROOF PLAN & DETAILS

DRAWN BY
CHKD. BY
SCALE
DRAWING NO. S-17
SHEET 33 OF 55

PROJECT: TAVERN APARTMENT
440 ELIZABETH AVE.
NEWARK, NEW JERSEY

DATE 1/20/69

REVISIONS
A
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C
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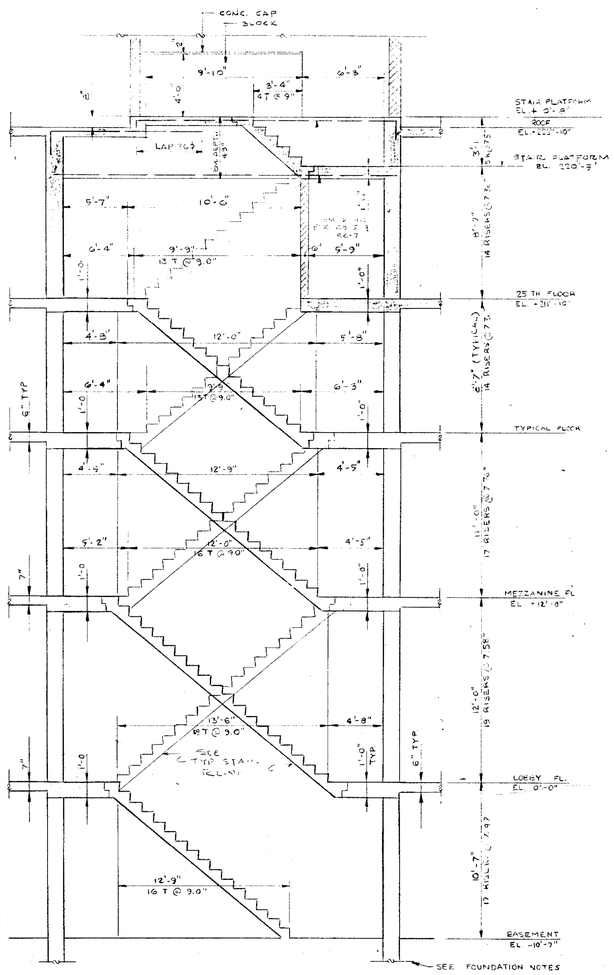
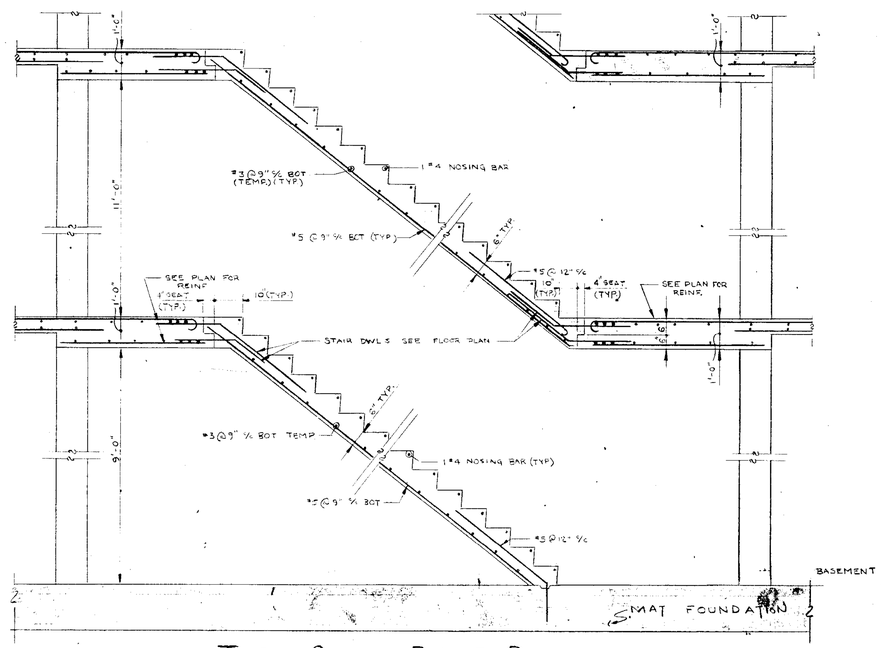
BERNARD J. SHAW & ASSOCIATES
CONSULTING ENGINEERS
34 PINE STREET
MORRISTOWN, N.J. 07960

N.J. CERTIFICATE NO. C-1784



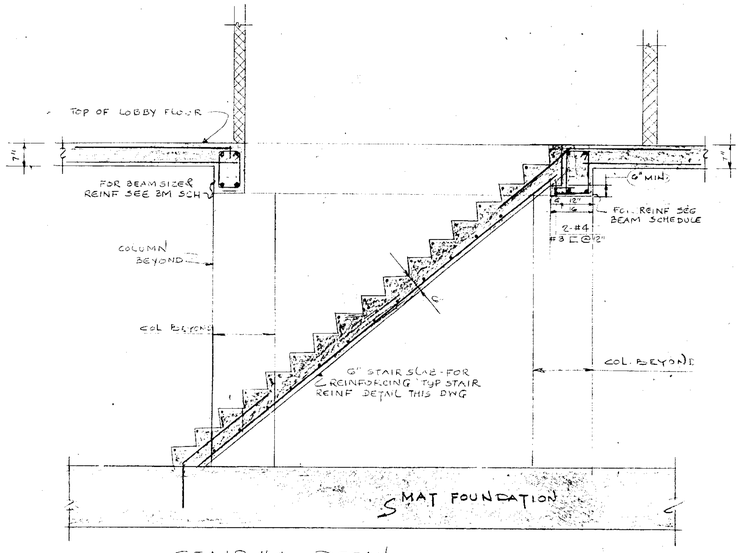
SECTION THRU STAIRWELL

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

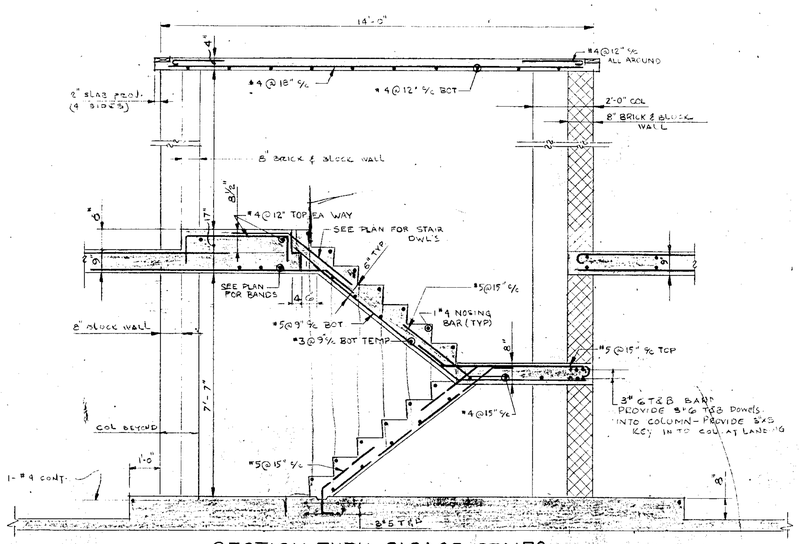


TYP. STAIR REINF. DETAIL

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



STAIR #4 DETAIL



SECTION THRU GARAGE STAIRS

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

9.71
14/108
98
100
98.0
7.7
1.5
9.0

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TITLE: TYPICAL STAIR REINF. DETAIL

DRAWN BY	PROJECT	DATE 1/20/69
CHKD. BY	TAVERN APARTMENT 440 ELIZABETH AVE. NEWARK, NEW JERSEY	REVISIONS
SCALE		A
DRAWING NO. S-18		B
SHEET 34 OF 55		C
		D
		E

N.J. CERTIFICATE NO. C-1784

BERNARD J. SHAW & ASSOCIATES
CONSULTING ENGINEERS
34 PINE STREET
MORRISTOWN, N.J. 07960

COLUMN SCHEDULE

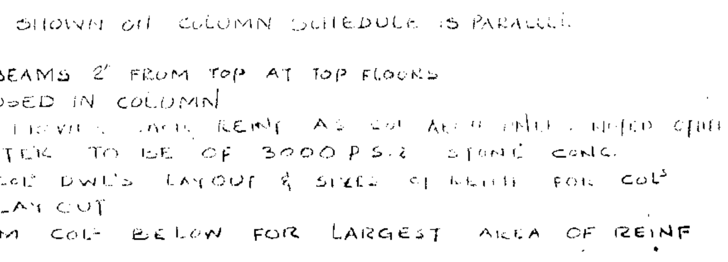
COL NO / FLOOR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36/59	37	38	39	40/63	41	42	43	45	46	47	48	50/58	51/57	52	53	54	55	56	62	66
BOILER ROOM ROOF																																																								
MACHINE RM FLOOR PLAN																																																			12x10½ 15#9	12x24 4#6	12x24 4#6	12x15½ 3#6		
ROOF	21	20	18	18	50	25	18	16	18	24	50	19	19	21	21	29	28	21	21	17	27	24	17	18	16	20	16	27	17	21	21	29	29	50	25	100	100	100	100	100	100	100	30	100	100	100	100	100	100	100	1	50	50	16		100
25TH FLOOR	35	24	21	21	41	37	21	21	21	36	41	23	23	25	35	41	40	35	25	22	38	37	21	22	20	25	38	40	21	25	35	42	42	33	27	32	26	31	32	23	29	24	33	20	60	54	26	40	32	26	40	22	21	50	33	32
	56	49	39	39	71	62	39	39	39	60	71	42	42	46	56	70	68	56	46	39	65	61	38	40	36	46	64	67	38	46	56	71	71	63	50	132	126	131	132	123	129	124	63	120	160	154	126	140	132	126	140	72	71	150	133	132
24TH FLOOR	35	24	21	21	41	37	21	21	21	36	41	23	23	25	35	41	40	35	25	22	38	37	21	22	20	25	38	40	21	25	35	42	42	33	27	32	26	31	32	23	29	24	33	20	60	54	26	40	32	26	40	22	21	50	35	32
	91	68	60	60	112	99	60	60	60	96	112	65	65	71	91	111	108	91	71	67	103	95	59	62	56	70	102	107	59	71	91	113	113	96	77	164	152	162	164	146	158	148	96	140	220	235	172	180	164	152	150	94	92	200	166	166
23RD FLOOR	35	24	21	21	41	37	21	21	21	36	41	23	23	25	35	41	40	35	25	22	38	37	21	22	20	25	38	40	21	25	35	42	42	33	27	32	26	31	32	23	29	24	33	20	60	54	26	40	32	26	40	22	21	50	33	32
	126	92	81	81	153	136	81	81	81	132	153	88	88	96	126	152	148	126	96	83	141	135	80	84	76	95	140	147	80	76	126	155	155	129	104	196	178	175	196	169	187	172	129	160	280	262	178	220	196	178	220	116	113	250	197	197
22ND FLOOR	35	24	21	21	41	37	21	21	21	36	41	23	23	25	35	41	40	35	25	22	38	37	21	22	20	25	38	40	21	25	35	42	42	33	27	32	26	31	32	23	29	24	33	20	60	54	26	40	32	26	40	22	21	50	33	32
	161	116	102	102	194	173	102	102	102	168	194	111	111	121	161	193	188	161	121	105	179	172	101	106	96	120	178	187	101	121	161	197	197	162	121	228	214	224	228	192	216	192	162	180	340	310	[illegible]	260	228	214	260	138	134	300	232	232
21ST FLOOR	35	24	21	21	41	37	21	21	21	36	41	23	23	25	35	41	40	35	25	22	38	37	21	22	20	25	38	40	21	25	35	42	42	33	27	32	26	31	32	23	29	24	33	20	60	54	26	40	32	26	40	22	21	50	33	32
	196	140	123	123	235	210	123	123	123	204	235	134	134	146	196	234	228	196	146	127	217	209	122	128	116	145	216	227	122	146	196	239	239	195	158	266	230	255	266	215	245	226	195	200	400	370	230	300	260	230	300	160	155	350	265	265
20TH FLOOR	35	24	21	21	41	37	21	21	21	36	41	23	23	25	35	40	38	35	24	21	36	35	20	21	19	24	36	38	20	23	35	40	40	31	25	30	29	29	30	22	27	23	31	19	57	51	24	38	30	24	38	21	20	48	31	30
	231	164	144	144	276	247	144	144	144	240	276	157	157	171	231	274	266	231	170	148	253	244	142	149	135	169	252	265	142	169	231	279	279	226	183	290	254	284	290	237	272	243	276	219	457	421	254	338	290	254	338	181	175	398	296	296
19TH FLOOR	33	23	20	20	39	34	20	20	20	34	39	22	22	24	33	40	38	33	24	21	36	35	20	21	19	24	36	38	20	23	33	40	40	31	25	30	24	29	30	22	27	23	31	19	57	51	24	38	30	24	38	21	20	48	31	30
	264	187	164	164	315	281	164	164	164	274	315	179	179	195	264	314	304	264	194	169	289	279	162	170	154	193	288	303	162	192	264	319	319	257	208	320	278	313	320	259	299	266	257	238	514	472	278	376	320	278	376	202	195	446	327	327
18TH FLOOR	33	23	20	20	39	34	20	20	20	34	39	22	22	24	33	40	38	33	24	21	36	35	20	21	19	24	36	38	20	23	33	40	40	31	25	30	24	29	30	22	27	23	31	19	57	51	24	38	30	24	38	21	20	48	31	30
	297	210	184	184	354	315	184	184	184	308	354	201	201	219	297	354	342	297	218	190	325	314	182	191	175	217	324	341	182	215	297	359	359	288	233	350	302	342	350	281	326	289	255	257	571	523	302	414	350	302	414	223	215	494	358	358
17TH FLOOR	33	23	20	20	39	34	20	20	20	34	39	22	22	24	33	40	38	33	24	21	36	35	20	21	19	24	36	38	20	23	33	40	40	31	25	30	24	29	30	22	27	23	31	19	57	51	24	38	30	24	38	21	20	48	31	30
	330	233	204	204	393	349	204	204	204	342	393	223	223	243	330	394	380	330	242	211	361	349	202	212	192	241	360	379	202	238	330	399	399	319	258	380	326	371	380	303	353	312	317	276	628	574	326	452	380	326	452	244	235	542	389	380
16TH FLOOR	33	23	20	20	39	34	20	20	20	34	39	22	22	24	33	40	38	33	24	21	36	35	20	21	19	24	36	38	20	23	33	40	40	31	25	30	24	29	30	22	27	23	31	19	57	51	24	38	30	24	38	21	20	48	31	30
	363	256	224	224	432	383	224	224	224	376	432	245	245	267	363	434	418	363	266	232	397	384	222	233	211	265	396	417	222	261	363	439	439	350	283	410	350	400	410	375	380	335	350	295	685	625	350	490	410	350	490	265	255	510	420	410
15TH FLOOR	33	23	20	20	39	34	20	20	20	34	39	22	22	24	33	40	38	33	24	21	36	35	20	21	19	24	36	38	20	23	33	40	40	31	25	30	24	29	30	22	27	23	31	19	57	51	24	38	30	24	38	21	20	48	31	30
	396	279	244	244	471	417	244	244	244	410	471	267	267	291	396	474	456	396	290	253	433	419	242	254	230	289	432	455	242	284	396	479	479	381	308	440	374	429	440	347	407	358	381	314	742	676	374	528	440	374	528	286	275	638	451	440
14TH FLOOR	33	23	20	20	39	34	20	20	20	34	39	22	22	24	33	40	38	33	24	21	36	35	20	21	19	24	36	38	20	23	33	40	40	31	25	30	24	29	30	22	27	23	31	19	57	51	24	38	30	24	38	21	20	48	31	30
	429	302	264	264	510	451	264	264	264	444	510	289	289	315	429	514	494	429	314	274	469	454	262	275	249	313	468	493	262	307	429	519	519	412	333	470	398	458	470	369	454	381	412	333	799	727	378	566	470	398	566	307	295	686	482	470
13TH FLOOR	33	23	20	20	39	34	20	20	20	34	39	22	22	24	33	40	38	33	24	21	36	35	20	21	19	24	36	38	20	23	33	40	40	31	25	30	24	29	30	22	27	23	31	19	57	51	24	38	30	24	38	21	20	48	31	30
	462	325	284	284	549	485	284	284	284	478	549	311	311	339	462	554	532	462	338	295	505	489	282	296	268	337	504	531	282	330	462	559	559	443	358	500	422	487	500	391	461	404	443	352	856	778	422	604	500	422	604	328	315	734	513	500
12TH FLOOR	33	23	20	20	39	34	20	20	20	34	39	22	22	24	33	40	38	33	24	21	36	35	20	21	19	24	36	38	20	23	33	40	40	31	25	30	24	29	30	22	27	23	31	19	57	51	24	38	30	24	38	21	20	48	31	30
	495	348	304	304	588	519	304	304	304	512	588	333	333	363	495	594	570	495	362	316	541	524	302	317	287	361	540	569	302	353	495	599	599	474	383	530	446	516	530	413	488	427	474	371	913	829	446	642	530	446	642	339	335	782	544	530
11TH FLOOR	33	23	20	20	39	34	20	20	20	34	39	22	22	24	33	40	38	33	24	21	36	35	20	21	19	24	36	38	20	23	33	40	40	31	25	30	24	29	30	22	27	23	31	19	57	51	24	38	30	24	38	21	20	48	31	30
	528	371	324	324	627	553	324	324	324	546	627	355	355	387	528	634	608	528	386	337	577	559	322	338	306	385	576	607	322	376	528	639	639	503	408	560	470	545	560	435	515	450	505	390	970	880	470	680	560	470	680	360	355	830	575	560
10TH FLOOR	33	23	20	20	39	34	20	20	20	34	39	22	22	24	33	40	38	33	24	21	36	35	20	21	19	24	36	38	20	23	33	40	40	31	25	30	24	29	30	22	27	23	31	19	57	51	24	38	30	24	38	21	20	48	31	30
	561	394	344	344	666	587	344	344	344	580	666	377	377	411	561	674	646	561	410	358	613	594	342	359	325	409	612	645	342	399	561	679	679	536	433	590	494	577	590	457	542	473	536	409	1027	931	494	718	590	494	718	381	375	878	606	590
9TH FLOOR	33	23	20	20	39	34	20	20	20	34	39	22	22	24	33	40	38	33	24	21	36	35	20	21	19	24	36	38	20	23	33	40	40	31	25	30	24	29	30	22	27	23	31	19	57	51	24	38	30	24	38	21	20	48	31	30
	594	417	364	364	705	621	364	364	364	614	705	399	399	435	594	714	684	594	434	379	649	629	362	380	344	433	648	683	362	422	594	719	719	567	458	620	518	603	620	479	569	496	567	428	1084	982	518	756	620	518	756	402	395	926	637	620
8TH FLOOR	33	33	20	20	39	34	20	20	20	34	39	22	22	24	33	40	38	33	24	21	36	35	20	21	19	24	36	38	20	23	33	40	40	31	25	30	24	29	30	22	27	23	31	19	57	51	24	34	30	24	38	21	20	48	31	30
	627	450	384	384	744	655	384	384	384	648	744	421	421	457	627	754	722	627	458	400	685	664	382	401	363	457	684	721	382	445	627	759	759	598	483	650	542	632	650	501	596	516	598	447	1141	1035	542	790	650	542	794	423	415	974	660	650
7TH FLOOR	33	23	20	20	39	34	20	20	20	34	39	22	22	24	33	40	38	33	24	21	36	35	20	21	19	24	36	38	20	23	33	40	40	31	25	30	24	29	30	22	27	23	31	19	57	51	24	38	30	24	38	21	20	48	31	30
	660	473	404	404	783	689	404	404	404	682	783	443	443	483	660	794	760	660	482	421	721	699	402	422	382	481	720	759	402	468	660	799	799	629	508	680	566	661	680	523	623	539	629	466	1193	1084	566	828	680	566	832	444	435	1022	677	680
6TH FLOOR	33	23	20	20	39	34	20	20	20	34	39	22	22	24	33	40	38	33	24	21	36	35	20	21	19	24	36	38	20	23	33	40	40	31	25	30	24	29	30	22	27	23	31	19	57	51	24	38	30	24	38	21	20	48	31	30
	693	496	424	474	822	723	424	424	424	716	822	465	465	507	693	834	798	693	506	442	757	744	422	443	401	505	756	797	422	491	693	839	839	660	535	710	590	690	710	545	650	562	660	485	1255	1135	590	866	710	590	870	465	455	1070	730	710
5TH FLOOR	33	23	20	20	39	34	20	20	20	34	39	22	22	24	33	40	38	33	24	21	36	35	20	21	19	24	36	38	20	23	33	40	40	31	25	30	24	29	30	22	27	23	31	19	57	51	24	38	30	24	38	21	20	48	31	30
	726	519	444	444	861	757	444	444	444	750	861	487	487	531	726	874	836	726	530	463	793	769	442	464	420	529	792	835	442	514	726	879	879	691	558	740	614	719	740	567	677	585	691	504	1312	1186	614	904	740	614	908	486	475	1118	761	740
4TH FLOOR	33	23	20	20	39	34	20	20	20	34	39	22	22	24	33	40	38	33	24	21	36	35	20	21	19	24	36	38	20	23	33	40	40	31	25	30	24	29	30	22	27	23	31	19	57	51	24	38	30	24	38	21	20	48	31	30
	759	542	464	464	900	791	464	464	464	784	900	509	509	555	759	914	874	759	554	484	829	804	462	485	439	553	828	873	462	537	759	919	919	722	583	770	638	748	770	589	704	608	722	523	1369	1237	638	942	770	638	946	507	495	1166	792	770
3RD FLOOR	33	23	20	20	39	34	20	20	20	34	39	22	22	24	33	40	38	33	24	21	36	35	20	21	19	24	36	38	20	23	33	40	40	31	25	30	24	29	30	22	27	23	31	19	57	51	24	38	30	24	38	21	20	48	31	30
	792	565	484	484	939	825	484	484	484	818	939	531	531	579	792	954	912	791	578	505	865	839	482	506	458	577	864	911	482	560	792	959	959	753	608	800	662	777	800	611	751	631	753	542	1426	1283	662	980	800	662	984	528	515	1214	823	800
MEZZANINE	37	25	22	22	28	23	22	22	22	21	28	24	24	26	37	28	28	37	26	23	28	28	182		22	26	28	28	22	26	37	28	28	34	29	34	26	33	34	24	36	28	35	22	62	55	29	45	34	27	41	23	22	50	36	34
	829	590	506	506	967	848	506	506	506	839	961	555	555	605	829	982	940	829	604	528	893	867	664	EM	485	603	892	939	504	586	829	987	987	787	657	834	688	810	834	635	767	659	798	564	1488	1343	691	1023	834	689	1025	551	537	1264	859	836
LOBBY	39	27	24	24	30	24	24	24	24	23	30	26	26	28	39	30	30	29	28	24	30	30	24		25	28	30	30	23	28	39	30	30	37	31	36	29	35	56	26	39	30	37	24	65	58	30	45	38	29	44	24	23	54	38	36
BASEMENT FLOOR	868	617	530	530	997	872	530	530	530	862	997	581	581	635	868	1012	970	868	632	558	923	895	688		503	631	922	969	527	614	868	1017	1017	824	668	870	717	845	870	661	806	689	825	[illegible]	1555	1401	721	1068	870	718	1069	575	560	1318	897	8
COL. NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36/59	37	38	39	40/63	41	42	43	45	46	47	48	50/58	51/57	52	53	54	55	56	62	66

NO COL #44 NEITHER 49

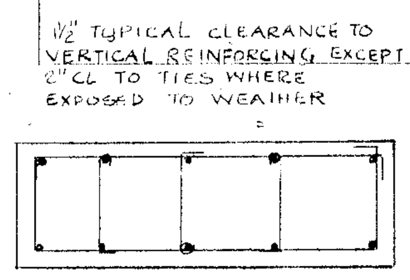
COLUMN SCHEDULE NOTES

(1). ALL COLUMNS TO BE OF 3750 PSI STONE CONC ABOVE 7TH FLOORS & TO BE OF 5000 PSI STONE CONC FOR COLS FROM LOBBY FLOOR THRU 7TH FLOORS
(2). ALL REINFORCING TO BE OF A-432 FY = 60,000 PSI
(3). FIRST COLUMN DIMENSIONS OF COLUMN SHOWN ON COLUMN SCHEDULE IS PARALLEL TO THE LONG DIRECTION OF BUILDING.
(4). HOOK ALL COLUMN BARS INTO SLAB OR BEAMS 2" FROM TOP AT TOP FLOORS
(5). COL # 44 49 60 61 64 & 65 ARE NOT USED IN COLUMN
(6) "W.&P." MEANS WALL & PILASTER ... REINF AS ... IN SCHEDULE. ALL WALL & PILASTER TO BE OF 3000 PSI STONE CONC.
7) REINF DETAILER SHALL SUBMIT COL DWL'S LAYOUT & SIZES OF REINF FOR COLS DETAILS FOR APPROVAL OF LAYOUT
8) DOWEL OUT FOR COLS ABOVE FROM COL BELOW FOR LARGEST AREA OF REINF OF EITHER OF COLS

VERTICAL REINFORCING	SIZE & SPACING OF TIES IN INCHES MAXIMUM SPACING NOT TO EXCEED LEAST COLUMN DIMENSION #2	#3
#5	10"	10"
#6	12"	12"
#7	12"	14"
#8		16"
#9		18"
#10		18"
#11		18"

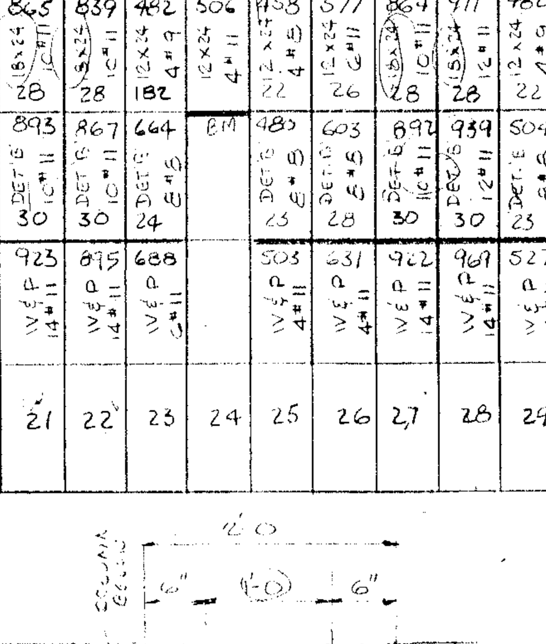


1½" TYPICAL CLEARANCE TO VERTICAL REINFORCING EXCEPT 2" CL TO TIES WHERE EXPOSED TO WEATHER

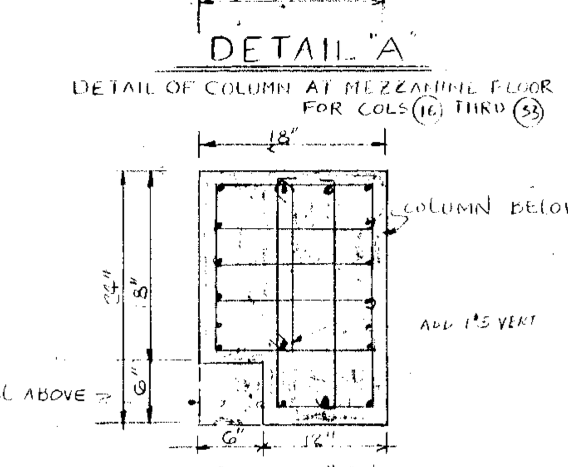


6, 8, 10, 12, 14 & 16 BARS

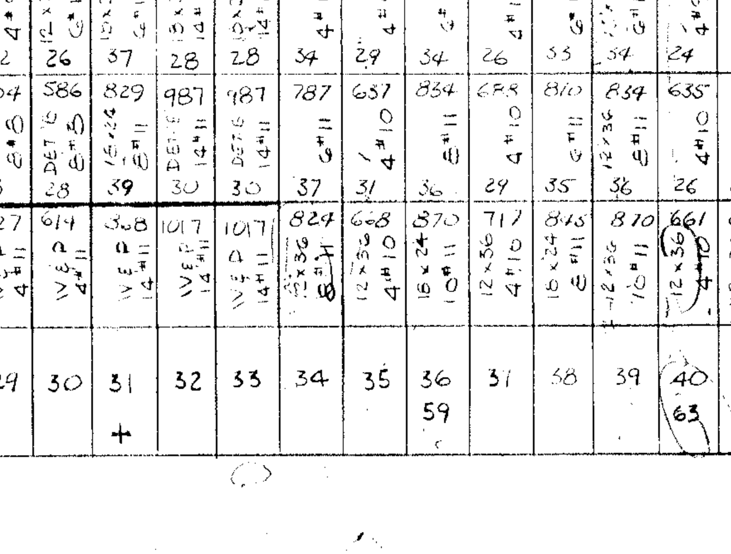
BAR	NO OF HAIR-PINS
6	1
8	2
10	3
12	4
14	5
16	6



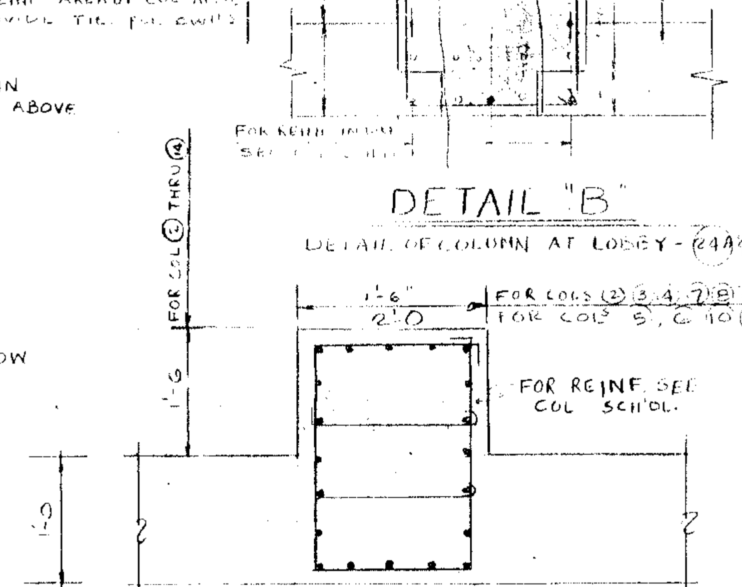
DETAIL "A"
DETAIL OF COLUMN AT MEZZANINE FLOOR FOR COLS (16) THRU (33)



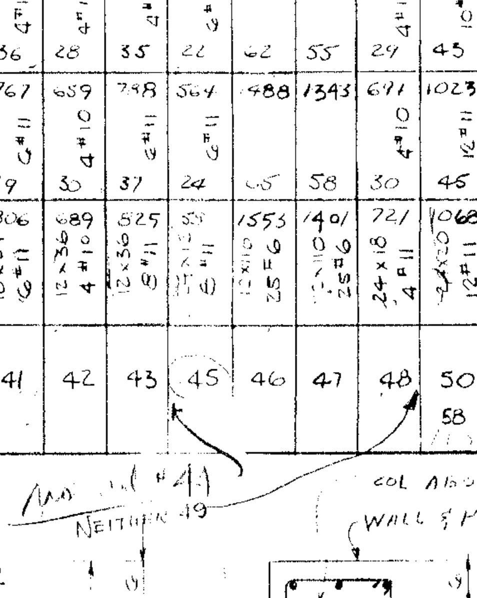
DETAIL "C"
COLS (1) & (15) @ MEZZANINE FL.



DETAIL "B"
DETAIL OF COLUMN AT LOBBY - (24A) COL (16) THRU (33)



WALL & PILASTER DETAIL



DETAIL "D" COL #1 COL #15 (OPP HAND)

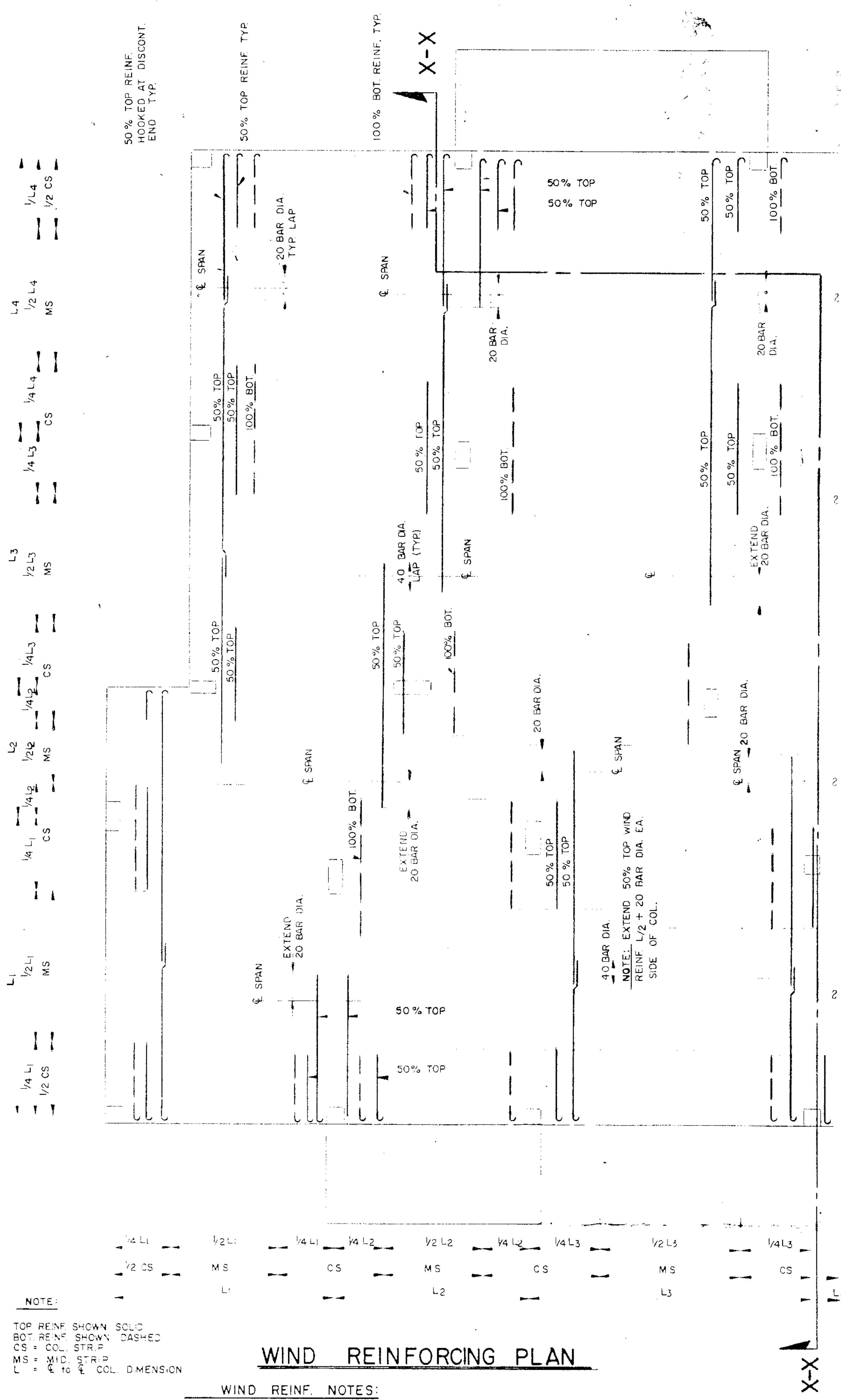
MEZZANINE	390 DET. B 8#8 30
LOBBY	420 W&P 4#
BASEMENT FLOOR	
COL NO	24A

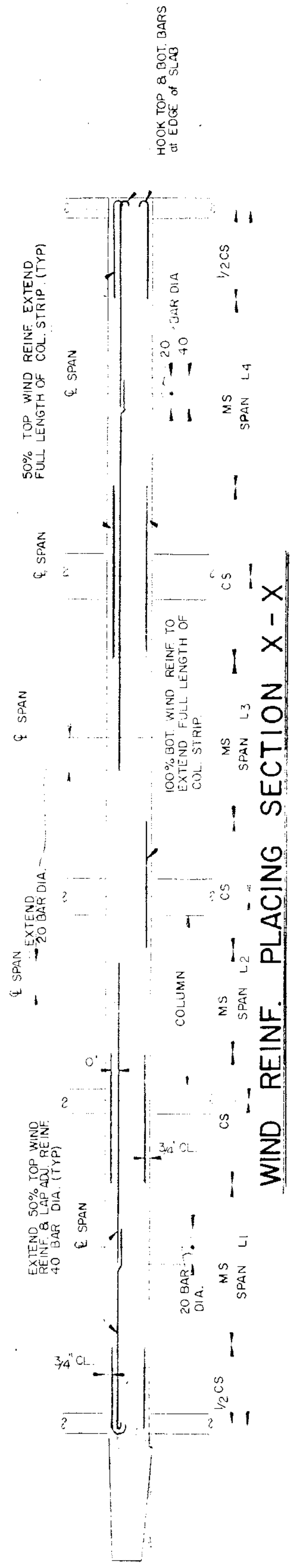
BERNARD J. SHAW & ASSOCIATES
CONSULTING ENGINEERS
34 PINE STREET
MORRISTOWN, N.J. 07960

ROMOLO BOTTELLI JR. F.A.I.A.
ARCHITECT
1878 SPRINGFIELD AVE. MAPLEWOOD, N.J.

TITLE: COLUMN SCHEDULE

DRAWN BY | CHKD. BY | SCALE
PROJECT: TAVERN APARTMENT 440 ELIZABETH AVE NEWARK, NEW JERSEY
DATE 1/20/69
REVISIONS A B C D E
DRAWING NO. S-19
SHEET 35 OF 55
N.J. CERTIFICATE NO. C-1784





WIND REINF. PLACING SECTION X-X

WIND REINF. SCHEDULE ADDITIONAL REINF. TO FLOOR REINF.

FLOOR NO. \ COL. NO.	1, 15 17 51	16, 17 52, 53	3, 30 4, 19	34 45 48 59	3, 4 12, 18 20, 21 25, 27	35 36 41 42	50 58	27, 5 22 11	37	43 45	57	36	38	53 54	2	40
22																
21			3#ST						3#ST							
20	5#ST		3#ST						3#ST							3#ST
19	4#ST		5#ST						5#ST							3#ST
18	4#ST 1#SB		7#ST	[illegible]	4#ST		4#ST		4#ST		3#ST			3#ST		3#ST
17	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		[illegible]		[illegible]			[illegible]		[illegible]
16	7#ST 3#SB		10#ST	5#ST	7#ST		10#ST		[illegible]		[illegible]		[illegible]	[illegible]		[illegible]
15	[illegible]		11#ST	[illegible]	9#ST 3#SB		[illegible]		8#ST 5#SB		5#ST		4#ST	[illegible]		[illegible]
14	9#ST 4#SB		13#ST 5#SB	[illegible]	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	[illegible]		[illegible]
13	10#ST 4#SB	1#ST	10#ST 5#SB	[illegible]	11#ST 4#SB		[illegible]		[illegible]		[illegible]		[illegible]	[illegible]		[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	[illegible]		[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEZZ.			20#7T 17#6B	[illegible]	20#6T 15#6B	20#6T 15#6B	22#6T	1#ST 11#5B	[illegible]	[illegible]	11#7B	[illegible]	[illegible]	15#ST 10#5B	[illegible]	15#7B

NOTE:
TOP REINF. SHOWN SOLID
BOT. REINF. SHOWN DASHED
CS = COL. STRIP
MS = MID. STRIP
L = ℄ to ℄ COL. DIMENSION

WIND REINFORCING PLAN

WIND REINF. NOTES:
1. ALL WIND REINF. TO BE PLACED IN THE COL. STRIPS, IN THE SHORT DIRECTION OF THE BUILDING. WIND REINF. IS IN ADDITION TO SLAB REINF. SHOWN ON FLOOR FRAMING PLANS.
2. EXTEND 50% OF TOP WIND REINF. L/2 + 20 BAR DIA. EACH SIDE OF THE COLUMN.
THE BALANCE OF TOP WIND REINF. TO EXTEND THE FULL LENGTH OF THE COL. STRIP.
3. BOT. WIND REINF. TO EXTEND THE FULL LENGTH OF COL. STRIP.
4. SEE PLAN ABOVE & SECTION FOR PLACEMENT.
5. SEE WIND REINF. SCHEDULE FOR SIZE & QUANTITY OF REINF.
6. HOOK ALL TOP & BOT. REINF. AT DISCONT. END (TYP.)

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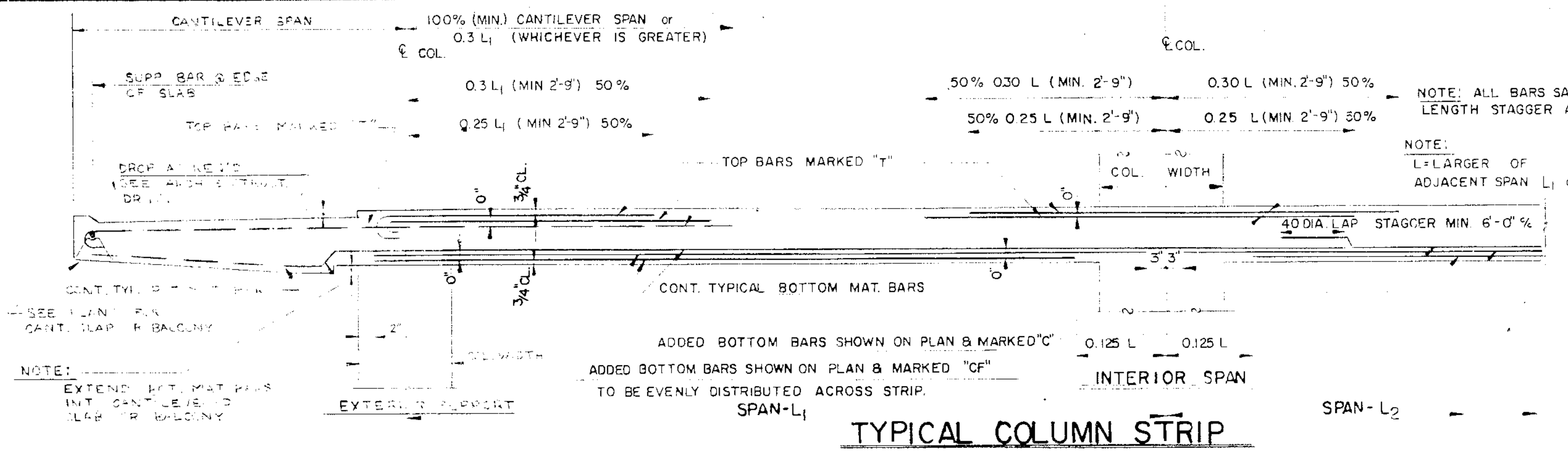
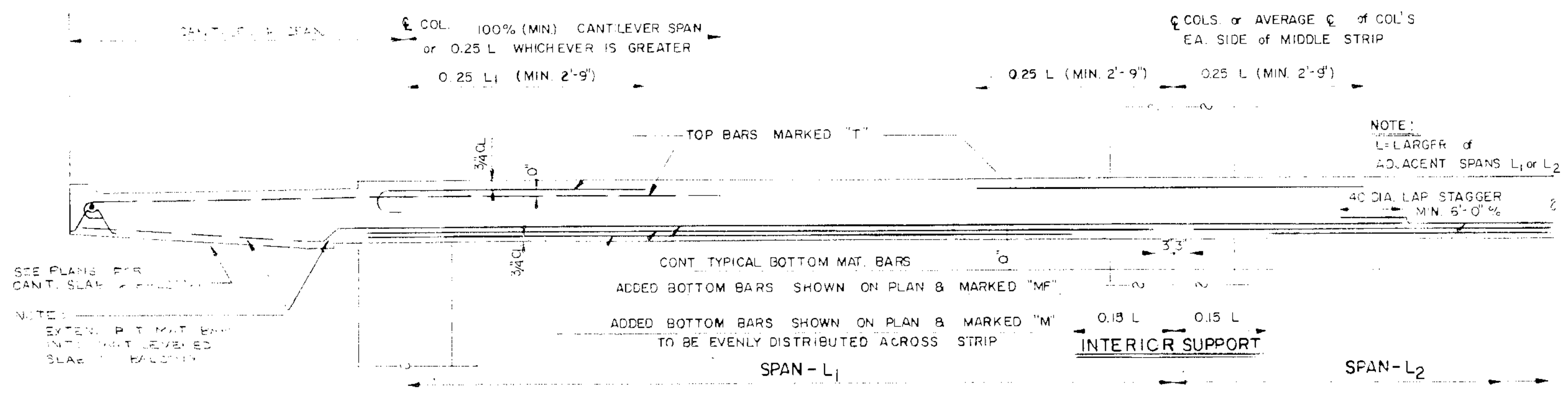
TITLE: WIND REINFORCING PLAN

DRAWN BY	PROJECT	DATE 1/20/64
CHKD. BY	TAVERN APARTMENT 440 ELIZABETH AVE. NEWARK, NEW JERSEY	REVISIONS A B C D E
SCALE		
DRAWING NO. S-20		
SHEET 36 OF 55		

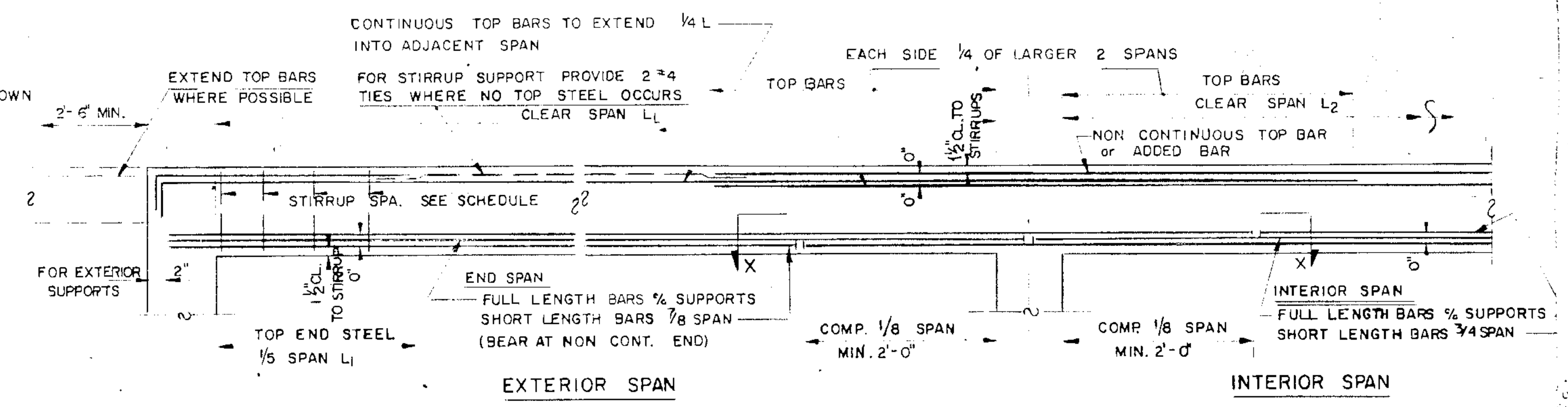
N.J. CERTIFICATE NO. C-1784



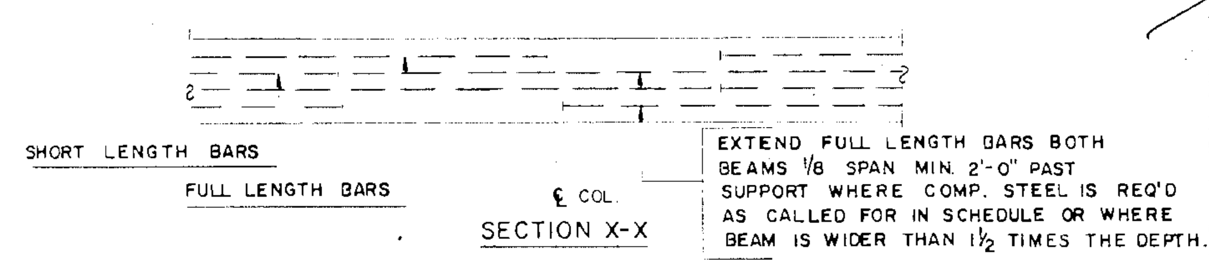
TYPICAL COLUMN STRIP



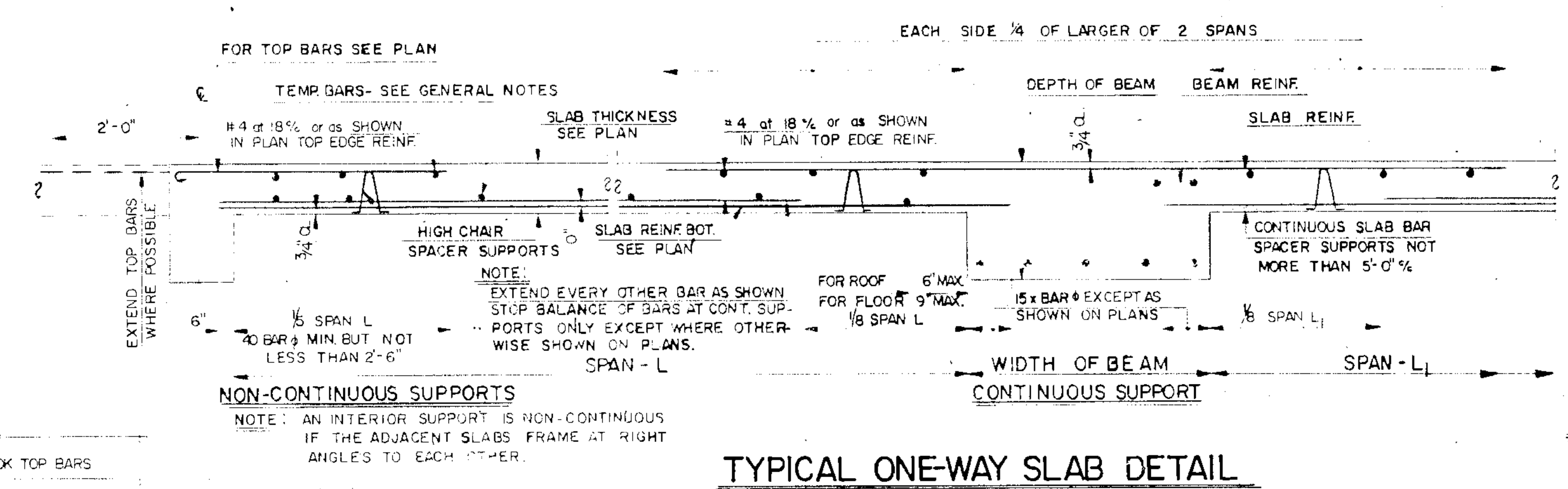
TYPICAL MIDDLE STRIP



TYPICAL BEAM DETAIL



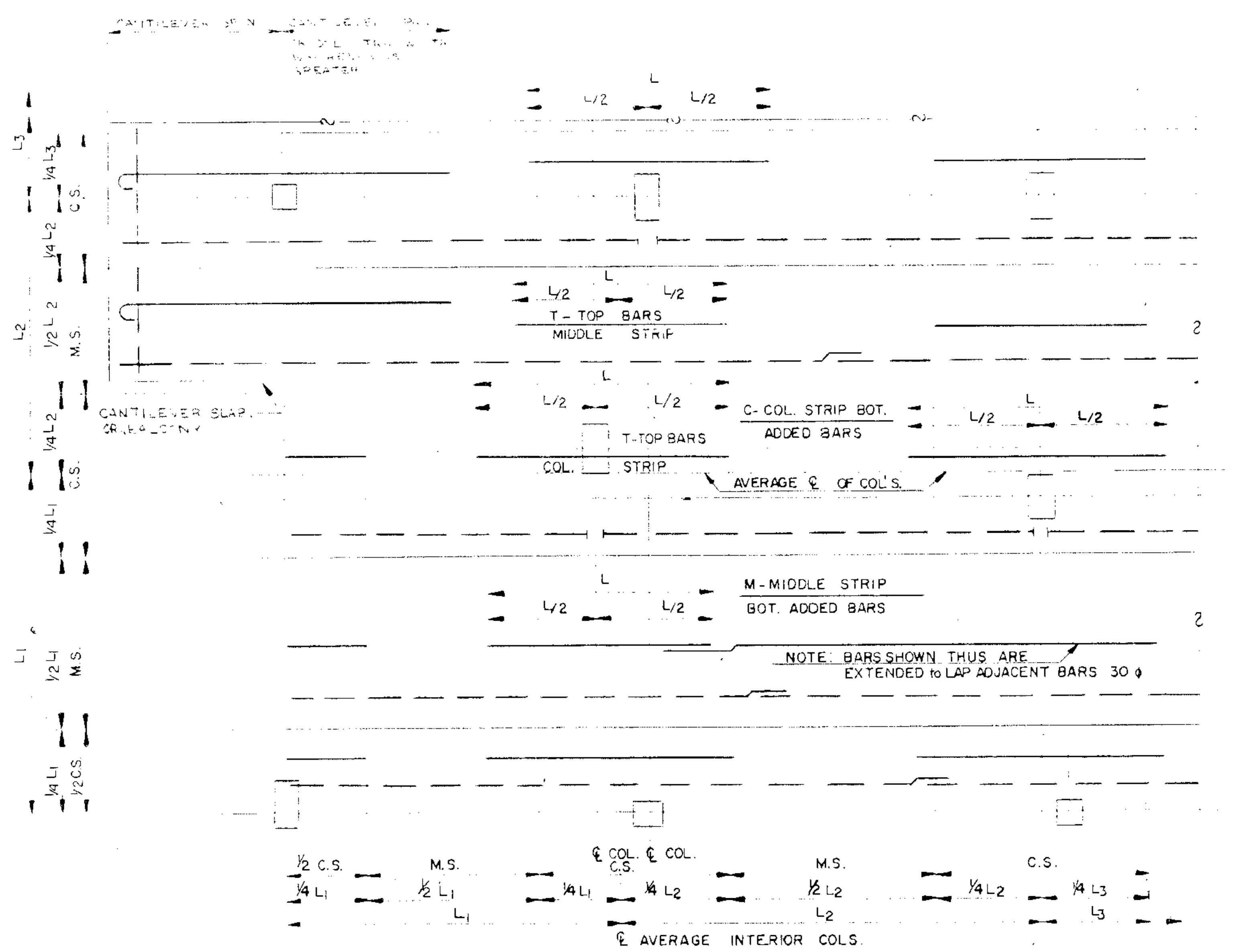
SECTION X-X



TYPICAL ONE-WAY SLAB DETAIL

TYPICAL TWO-WAY SLAB DETAIL

SHORT SPAN BARS TO BE 3/4" CLEAR FROM TOP & BOT. of SLAB

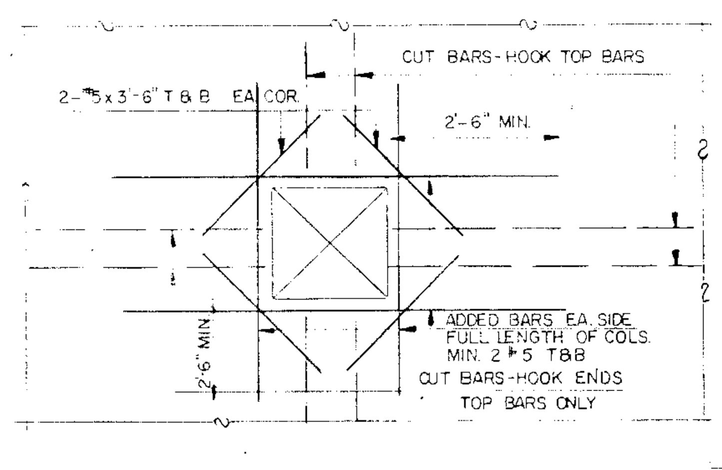


NOTE:
TOP BARS ARE SHOWN AS SOLID LINE
BOTTOM BARS ARE SHOWN DASHED

SYMBOLS
C.S.= COLUMN STRIP
M.S.= MIDDLE STRIP
L = LENGTH OF BAR

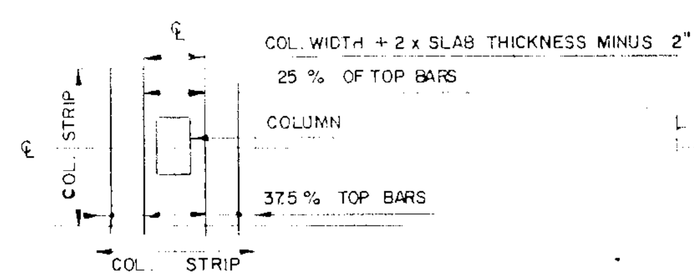
BAR PLACING DETAIL

BARS SHOWN IN ONE DIRECTION FOR SIMPLICITY

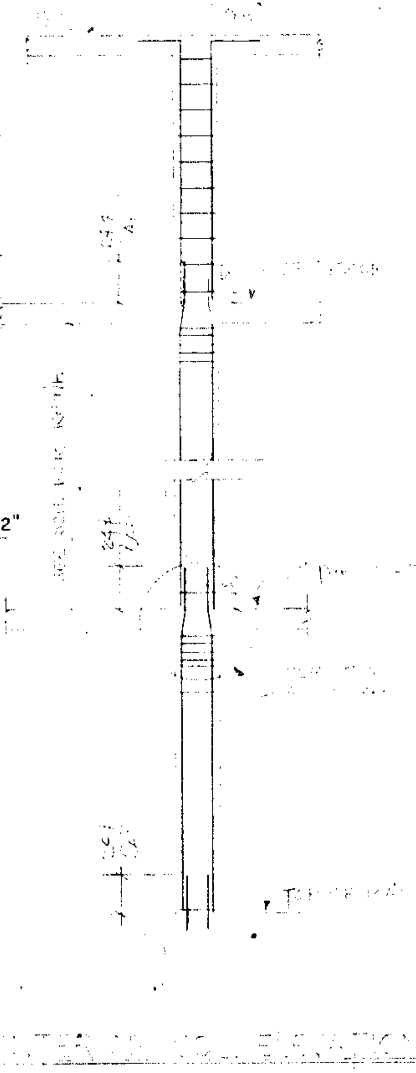


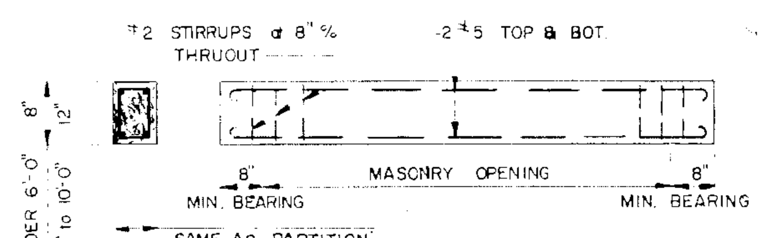
DETAIL OF OPENING IN FLAT SLAB

NOTE:
SPREAD REINF. TO GO AROUND OPENINGS LESS THAN 10"
HOOK BARS WHERE BARS CANNOT BE EXTENDED 2'-6" or 40 ϕ. SEE ARCH'T & MECH. DW'GS. FOR OPENINGS NOT SHOWN ON STRUCTURAL DW'GS.



TYPICAL TOP BAR SPACING OVER COLS.





PRECAST MASONRY PARTITION LINTEL

PRECAST WAYLITE CONC.

OPENINGS IN INTERIOR PARTITIONS TO HAVE PRECAST CONC. LINTELS AS SHOWN EXCEPT OVER SINGLE DOORS WITH METAL DOOR BUCKS & WHERE SHOWN OTHERWISE.

STANDARD CONC. WALL REINFORCING
[EXCEPT WHERE NOTED OTHERWISE]

OVER 12" WALL	3" ⌀ TOP & BOT. #4 @ 15" c/c VERT. #3 @ 12" c/c HORIZ.	EACH FACE
12" 10" WALL	2" ⌀ TOP & BOT. #4 @ 18" c/c VERT. #5 @ 15" c/c HORIZ.	EACH FACE
8" [illegible] WALL	2" ⌀ TOP & BOT. #4 @ 18" c/c VERT. #5 @ 18" c/c HORIZ.	EACH FACE

1) ALL HORIZONTAL BARS SHALL BE CONTINUOUS. PROVIDE 40 BAR DIA. LAP WHERE REQUIRED AND BEND CORNER BARS WHERE REQUIRED.
2) PROVIDE ADDED REINFORCING AROUND DOOR, WINDOWS, ETC. OPENINGS MIN. 4"#5 AROUND & OF LENGTH = OPENINGS SIZES + 5'-0".
3) LENGTH OF INDIVIDUAL POUR 30'-0".

GENERAL NOTES

1. All [illegible] construction [illegible] comply with 1963 ACI [illegible]
[illegible]
11. Provide #4 nosing bar for each concrete step.
12. Concrete cover for reinforcement for footings-2" for walls, [illegible] and 3/4" for slabs.
13. Details and dimensions shown in any section apply to all similar sections unless noted otherwise.
14. Provide vertical metal slots 24"cc for brick anchers where concrete is faced with veneer more than 12" high.
15. Min. bearing of concrete on masonry walls, except where noted otherwise, 12" for spandrel beams, 6" for beams and 4" for slabs.
16. Cast 1/2" dia. bolts 2'-0"cc in conc. for wood blocking where required.
17. Where pipe sleeves pass through conc. beams provide additional stirrup each side of sleeve, max. 10% of cross sectional area.
18. Top tie steel in beams and slabs at non-continuous ends that is extended into an adjacent slab for anchorage shall be extended 36 dia. or min. 2'-0" beyond ℄ of support.
19. Chamfer all exposed beams and columns to 3/4" radius [illegible]
20. All [illegible] plastic legs. TIPS ONLY
21. [illegible] in all concrete work as required by architectural drawings or water-proofing or roofing contractor.
22. All concrete shall be placed a minimum of [illegible] hours before [illegible]
23. All construction, inspection and testing shall be done subject to approval and requirements of [illegible] and associates and approved by [illegible]

LINTEL NOTES

1. Bearing for lintels equal depth of main members [illegible]
2. Allow for window reces as per archt. details.
3. All double L's back to back bolted. Bolts 1'-0"cc min. 2 bolts per lintel.
4. Provide bearing plates for lintels made up of beams or channel.
5. Supply 4 x 3-1/2 x 5/16 L with 6" bearing each end over all recesses in masonry walls for radiators, electric boxes, drinking fountains, etc. One angle over 4" of recess depth.
6. All loose light steel lintels weighing less than 200 lbs. to be supplied by steel contractor and set by general contractor.
7. Submit complete schedule of lintels with erection plans, showing marks, masonry openings, length of each component part and dimensioned section.
7. Make lintel number ~~same as design lintel numbers~~ with sub-marks A, B, C, etc., for different lengths.

STANDARD OPEN WEB STEEL JOIST NOTES

1. All steel joist details to comply with Bar Joist Institute Code
2. All wall bearing joists to have min. 5" bearing. Provide unless otherwise shown on plans 5 x 1/4 x 5 bearing pl. with two 1'-4" long strap anchors under all wall bearing joists.
3. Provide one course of solid blocks or 4 courses of brick under all wall bearing joist construction.
4. Joists to have 2-1/2 min. bearing on structural steel. Weld or bolt all joists bearing on structural steel.
5. Frame openings in joist construction with heavier or double joists and steel headers.
6. All steel joists to receive two shop coats of paint as per specifications.

STRUCTURAL STEEL NOTES

1. All structural steel to be A36.
2. Provide standard bearing plates and govt. anchors for all wall bearing structural steel.
3. Provide 9/16" ⌀ holes for all blocking attached to steel.
4. All structural steel shop work to be riveted or welded. Field work, [illegible] connections, splices and beam to beam connections to be bolted with high tensile steel bolts., use all standard Pull Up connections in conformance with latest AISC specifications for buildings.
5. [illegible] plates and bearing plates to be supplied by steel contractor and set by mason contractor.
All columns to have standard bearing plates and 1'4" leveling plates, and cap plates unless noted otherwise on plan.
6. All structural steel to have one shop coat of Rust Inhibitive paint after fabrication.

TYPICAL FLOOR REINF. NOTES:

ALL FLOOR SLABS TO BE 6" UNLESS NOTED OTHERWISE ON PLAN. PROVIDE A CONT. MAT OF BOTTOM STEEL- SEE PLAN-LAPS TO BE 40 ϕ MIN. & STAGGERED MIN. 6'-0" % LOCATED AT POINTS OF STRESS. BOTTOM BARS INDICATED ON PLAN WITH PREFIX "C", "CF", "MF", or "M" ARE IN ADDITION TO MAT. BARS # 3 at 10"% EA. WAY. BARS ARE TO BE PLACED IN THE FOLLOWING ORDER:

1. PLACE ALL MAT. BARS IN THE 1ST LAYER DIRECTION 3/4" CLEAR FROM BOT. OF SLAB.
2. PLACE ALL ADDED BOT. BARS "CF", "C", "MF", & "M" IN SAME DIRECTION 3/4" CLEAR FROM BOT. OF SLAB.
3. PLACE ALL MAT. BARS #3 at 10"% IN THE 2ND LAYER DIRECTION ON TOP OF BARS IN STEPS 1 & 2.
4. PLACE ALL ADDED BARS "CF", "C", "MF" & "M" IN SAME DIRECTION ON TOP OF BARS IN STEPS 1 & 2.

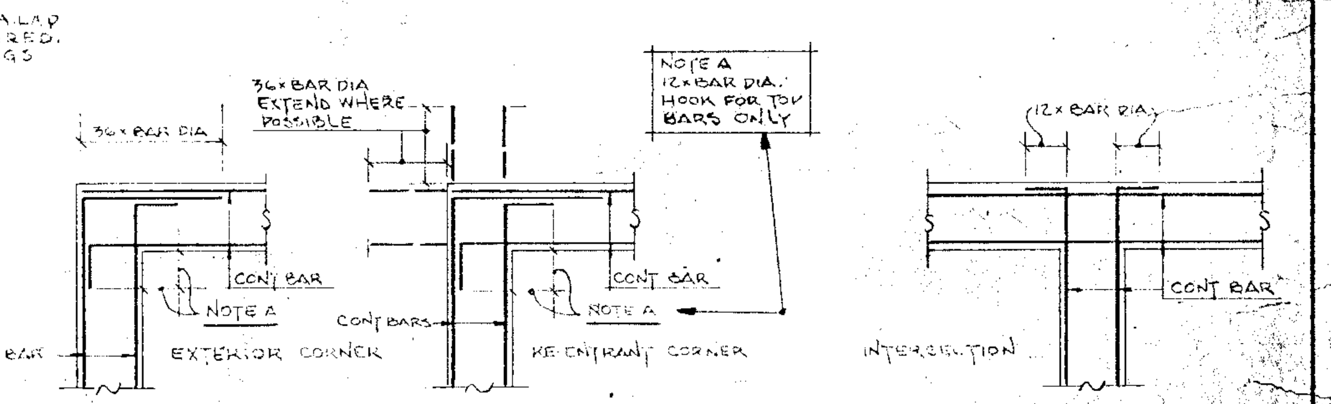
TOP BARS

5. PLACE TOP COL. STRIP BARS OVER COL'S IN THE 2ND LAYER DIRECTION 3/4" + TOP STEEL IN THE 1ST LAYER DIRECTION CLEAR FROM TOP OF SLAB.
6. PLACE TOP COL. & MIDDLE STRIP BARS BETWEEN COL'S IN THE DIRECTION SHOWN ON PLANS 3/4" CLEAR FROM TOP OF SLAB.
7. PLACE ALL TOP BARS IN THE 1ST LAYER DIRECTION ON TOP OF BARS IN STEP 5.
8. ALL OPENINGS IN FLOOR ARE NOT SHOWN. FOR OPENINGS NOT SHOWN SEE ARCH'T., MECH., & ELEC. DWGS. REINF. AROUND OPENINGS TO BE AS INDICATED ON PLAN OR AS SHOWN IN DETAIL ON THIS SHEET. PLACE REINF. AT OPENINGS AS INDICATED IN THE ABOVE STEPS 1 thru 7.

SYMBOLS

BOTTOM- NO. OF ADDED BARS IN STRIP	
TOP- NO. OF BARS IN STRIP	
STRIP (COL., MIDDLE, TOP)	
10 C 5	BAR SIZE (5)

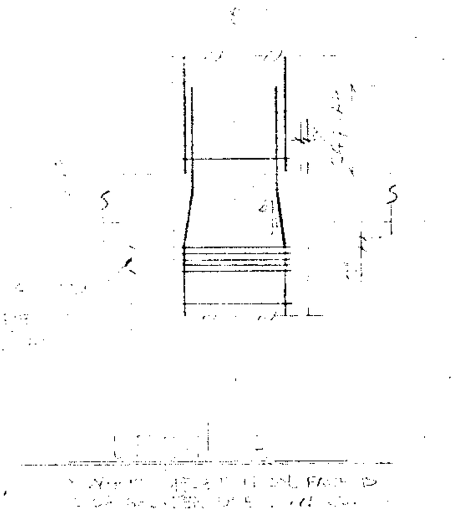
9. FOR LAYER DIRECTIONS, MAT BARS, & SLAB THICKNESSES SEE FLOOR FRAMING PLAN NOTES.

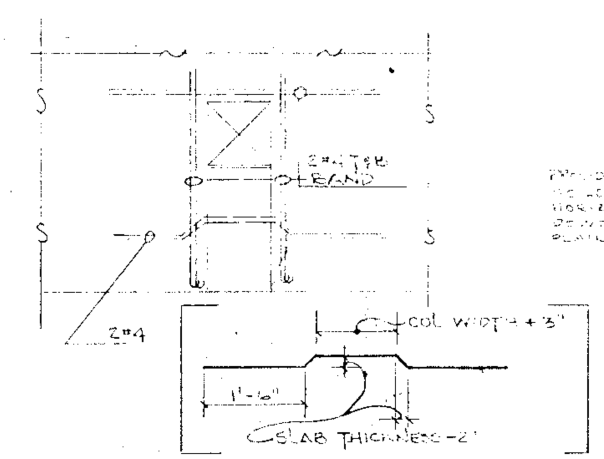


TYPICAL DETAIL OF CONTINUOUS BARS IN WALLS, GRADE BEAMS, BEAMS & SPANDREL BEAMS.

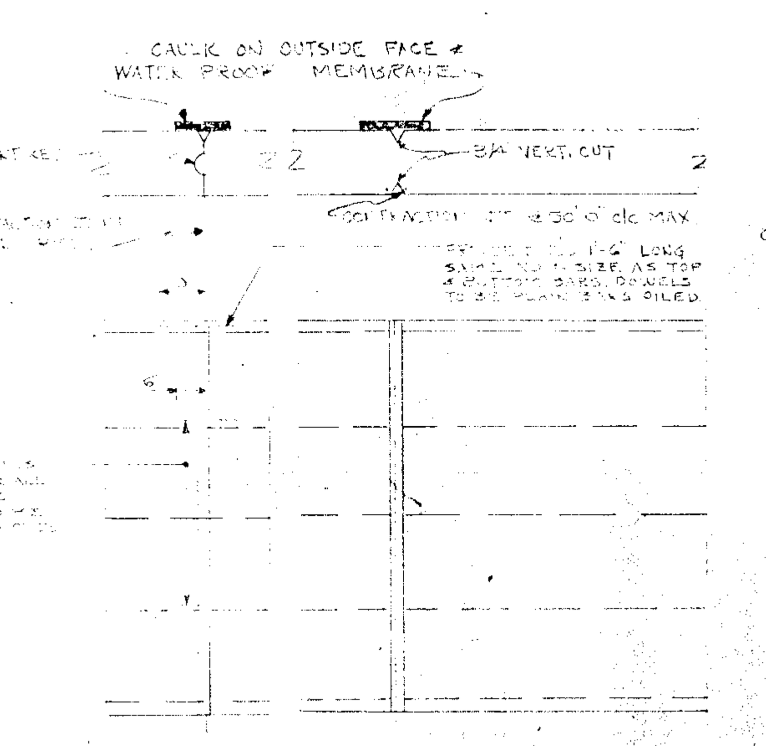
DESIGN LIVE LOADS	
DESCRIPTION	LOAD #/□'
APARTMENTS	40 #/□'
OFFICES	50 #/□'
PUBLIC AREA & LOBBY	100 #/□'
GARAGE	100 #/□'
BOILER RM	150 #/□'
ROOF	40 #/□'
WIND	30 #/□'
ELEVATOR MC RM	150 #/□'

DESIGN DEAD LOADS	
DESCRIPTION	LOAD #/□'
APT. PARTITIONS	20 #/□'
TERRAZZO FLOOR	25 #/□'
4" BRICK	40 #/□'
4" BLOCK WALL	20 #/□'
8" BLOCK	40 #/□'
ROOFING	10 #/□'
4" LT WT FILL	35 #/□'





TYPICAL SLAB OPENING DETAIL AT EXTERIOR COL'S.



CONSTRUCTION JTS. BSMT. & FOUNDATION WALL TO REGULATE SHRINKAGE CRACKS

CONSTRUCTION JOINT NOTES:
1) SPLICE HORIZ. REINF. AS SHOWN. LOCATE JTS. AS SHOWN ON PLAN THUS C.J.

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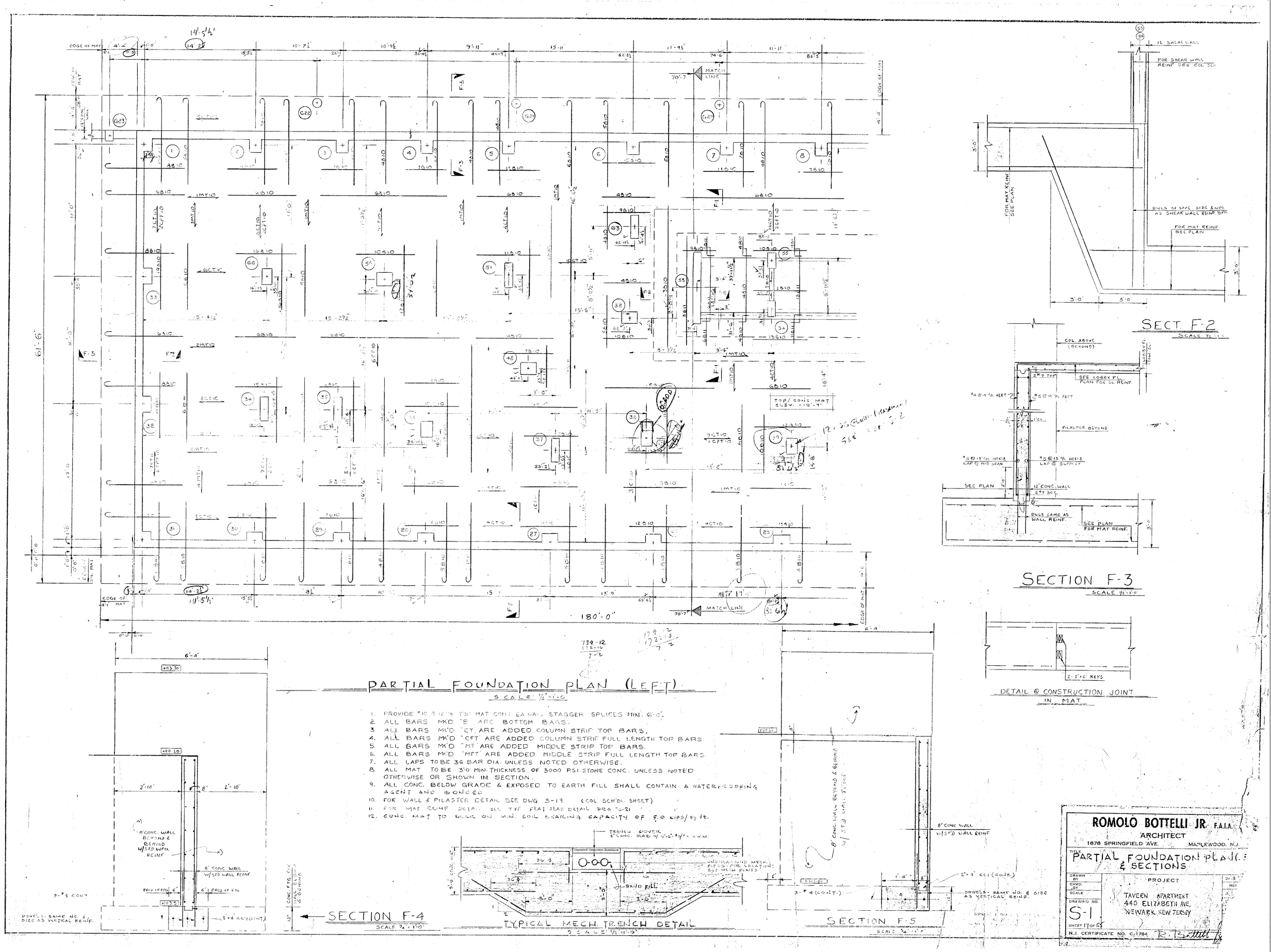
TITLE: TYPICAL DETAILS & GENERAL NOTES

DRAWN BY	PROJECT	DATE 1/20/69	
CHKD. BY		REVISIONS	
SCALE	TAVERN APARTMENT 440 ELIZABETH AVE. NEWARK, NEW JERSEY	A	
DRAWING NO. S-21		B	
		C	
		D	
SHEET 39 OF 55		E	

N.J. CERTIFICATE NO. C-1784 R. Bottelli



PARTIAL FOUNDATION PLAN (LEFT)

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

1. PROVIDE #10 @ 18" TOP MAT CONT EA WAY. STAGGER SPLICES MIN. 6'-0".
2. ALL BARS MK'D "B" ARE BOTTOM BARS.
3. ALL BARS MK'D "CT" ARE ADDED COLUMN STRIP TOP BARS.
4. ALL BARS MK'D "CFT" ARE ADDED COLUMN STRIP FULL LENGTH TOP BARS.
5. ALL BARS MK'D "MT" ARE ADDED MIDDLE STRIP TOP BARS.
6. ALL BARS MK'D "MFT" ARE ADDED MIDDLE STRIP FULL LENGTH TOP BARS.
7. ALL LAPS TO BE 36 BAR DIA. UNLESS NOTED OTHERWISE.
8. ALL MAT TO BE 3'-0" MIN. THICKNESS OF 3000 P.S.I. STONE CONC. UNLESS NOTED OTHERWISE OR SHOWN IN SECTION.
9. ALL CONC. BELOW GRADE & EXPOSED TO EARTH FILL SHALL CONTAIN A WATERPROOFING AGENT AND BONDED.
10. FOR WALL & PILASTER DETAIL SEE DWG S-19 (COL. SCH'DL. SHEET)
11. FOR MAT REINF DETAIL SEE TYP FLAT SLAB DETAIL DRG S-21
12. CONC. MAT TO BEAR ON MIN. SOIL BEARING CAPACITY OF 5.0 KIPS/SQ. FT.

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TITLE: PARTIAL FOUNDATION PLAN & SECTIONS

PROJECT: TAVERN APARTMENT, 440 ELIZABETH AVE., NEWARK, NEW JERSEY

DRAWING NO. S-1

SHEET 17 OF 55

N.J. CERTIFICATE NO. C-1784