EQUIPMENT SCHEDULE TOWER

A. SUPPLY SYSTEM

1., FANS S-1 & S-2 (TYPICAL)

a. TYPE & SIZE: WESTINGHOUSE 800T DIDW CLASS 2 ARR. 3 DWD

b. PERFORMANCE: 28,000 CFM @ 2¾" S.P. - 2030 O.W. BHP REQ'D - 15.5 BHP

C. MOTOR: 20 HP - 480∿ - 3Ø - 60~

2., COOLING COILS

a. TYPE: WESTINGHOUSE, "W"

b. SIZE: (6 ROW - 4'-8½" x 3'-0" TOTAL 102.56 FT. FACE AREA

c. PERFORMANCE: 81,000 CFM
ENT. AIR: 80°DB - 66.8°WD
LVG. AIR: 55°DB - 51°WD
ENT. CHILLD WATER: 44°F
LVG. CHILLD WATER: 54°F
COIL FACE VELOCITY: 500 FT/MIN
MAX. AIR RESIST. WET COIL: ⅝" W.G.

3., HEATING COILS

a. TYPE: WESTINGHOUSE "W"

b. SIZE: 2 ROW 2'-8½" x 3'-0" TOTAL 51.28 FT. FACE AREA

C. PERFORMANCE: 345,000 CFM
ENT. AIR: 55° F
LVG. AIR: 105° F
ENT. HOT WATER: 200° F
COIL FACE VELOCITY: 670 FT/MIN.

4., FILTERS

a. TYPE: FARR 4 CO. ROTO-AIRE RM1-1E SERIES

b SIZE: 64 - 24 x 2
(40 REQUIRED)

B. SUPPLY FAN S-3

a. SERVICE: SURGICAL ROOM SUPPLY

b TYPE & SIZE: TRANE TORQUIVENT NO. T-3 WITH ADJUSTABLE SWIVEL NOZZLE AND DEFLECTORS.

C. PERFORMANCE: 1400 CFM @ 1½" SP.

d. MOTOR: ½ HP. 1700 RPM, 115 V. 1 Ø, 60~

e. CONTROL: THERMOSTATIC CONTROL

f. VIBRATION HANGERS: VIBRAY TYPE RMX

C. UNIT HEATER

1., UNIT HEATER UH-1

a. TYPE & SIZE: WESTINGHOUSE DOWNBLAST UNIT HEATER 321-S W/ADJUSTABLE VANE OUTLET

b CAPACITY: 1540 CFM & 80000 BTUH @200°F ENT. WATER & 60°F ENT. AIR

c. MOTOR: ½ HP 1550 RPM, 115 V., 1 Ø, 60~

d. CONTROL: THERMOSTATIC CONTROL W/MANUAL STARTER

D. EXHAUST FANS

1., EXHAUST FAN E-1 (RAF-1)

a. SERVICE: RETURN AIR TRANSFER

b. TYPE & SIZE: WESTINGHOUSE 80A9 DIDW CLASS 2 ARR. 3

c. PERFORMANCE: 41,100 CFM @ 1¼"S.P.-1180 1670 O.W. - 550 RPM - 13.5 BHP

d. MOTOR: 15 HP - 480∿ - 3Ø - 60~

2., EXHAUST FAN E-2

a. SERVICE: TOILET EXHAUST

b. TYPE & SIZE: WESTINGHOUSE CENTERLINE 220

c. PERFORMANCE: 9,000 CFM @ 3/8" SP - 1700 O.W. 986 RPM - 3.38 BHP

d. MOTOR: 5 HP - 480∿ - 3Ø - 60~

e. VIBRATION HANGERS: VIBRAY TYPE RMX OR RMC

3., EXHAUST FAN E-3

a. SERVICE: ELEVATOR MACHINE RM.

b. TYPE & SIZE: WESTINGHOUSE CENTERLINE 220

c PERFORMANCE: 6000 CFM @ 3/8" SP - 1800 OW 1368 RPM - 1.58 BHP

d. MOTOR: 1½ HP 480∿ - 3Ø - 60~

e. CONTROL: THERMOSTATIC CONTROL

f. VIBRATION HANGERS: VIBRAY TYPE RMX OR RMC

E. REFRIGERATION MACHINE

1., REFRIGERATION MACHINE RM-1 & RM-2 (TYP)

a. COMPRESSOR: HERMETIC CENTRIFUGAL CARRIER 19D-105 100 TONS HOT REFRIG. CAPACITY FULL LOAD 1000 KW - CURRENT 480∿, 3Ø, 60~ (Yorks HT-11)

b. CHILLER: 2 PASS - 1296 GPM ENT. WATER 54°F - LVG. WATER 44°F MAX. PASS. DROP 12 FT. - FOULING FACTOR .0005

c. CONDENSER: 2 PASS - 1440 GPM ENT. WATER 85°F - LVG. WATER 95°F MAX. PASS. DROP 20 FT. FOULING FACTOR .0001

d. STARTER: STAR DELTA 230V. LRSA FLA 175 AMPS. MAX. INRUSH 1000 AMPS

F. COOLING TOWER

a TYPE & SIZE: MARLEY HYDROTOWER MODEL NO. 7316

b PERFORMANCE: 600 GPM ENT. WATER 95°F LVG. WATER 85°F ENT. AIR 78°F WB

C. FAN: 29,000 CFM @ 1/8 EXTERNAL S.P.

d. MOTOR: 20HP 1760 RPM 480∿, 3Ø, 60~

G. CIRCULATING PUMPS

1., CHILLED WATER PUMP P-1 & P-2 (TYPICAL)

a. TYPE & SIZE: WEINMAN 2½ K

b. PERFORMANCE: 200 GPM @ 70 FT. HD

C. MOTOR: 7½ HP 1750 RPM - 480∿, 3Ø, 60~

2., CONDENSER WATER PUMP P-3 & P-4 (TYPICAL)

a. TYPE & SIZE: WEINMAN 3K

b. PERFERMANCE: 300 GPM @ 60 FT. HD.

C. MOTOR: 7½ HP 1750 RPM 480∿, 3Ø, 60~

3., HEATING HOT WATER PUMP P-5 & P-6 (TYPICAL)

a. TYPE & SIZE: WEINMAN 1½ BF CENTRIFUGAL CLOSED COUPLED

b. PERFORMANCE: 50 GPM @ 46 FT. HEAD

c. MOTOR: 1½ HP 1760 RPM 480∿ - 3Ø - 60~

H. BOILER

1., BOILER B-1 & B-2 (TYPICAL)

a. TYPE & SIZE: HEATING HOT WATER THERMO-TANK ON 1200

b. CAPACITY: 1200 MBH INPUT 960 MBH OUTPUT

C FIRING: LOW PRESSURE, NATURAL GAS

d. FLUE: 14" ø FLUE W/ APPROVED CAP

e. CONTROL: T-DA-50 W/ ROBERTSHAW ALTERNATOR & REMOTE AQUASTAT IN WELL

I. EXPANSION TANKS

1., CHILLED WATER SYSTEM

a. TANK SIZE: 16"ø x 30" S.G. 92 GAL. STORAGE

b PRESS. REQ.'D.: 46# @ 12 PSI

C RELIEF VA.: 98# @ 25 PSI

2., HEATING HOT WATER SYSTEM

a. TANK SIZE: 20"ø x 30" S.G. 60 GAL. STORAGE

b. PRESS REQ.'D.: 46# @ 12 PSI

c. RELIEF VA.: 98# @ 25 PSI

HEATING & PIPING LEGEND

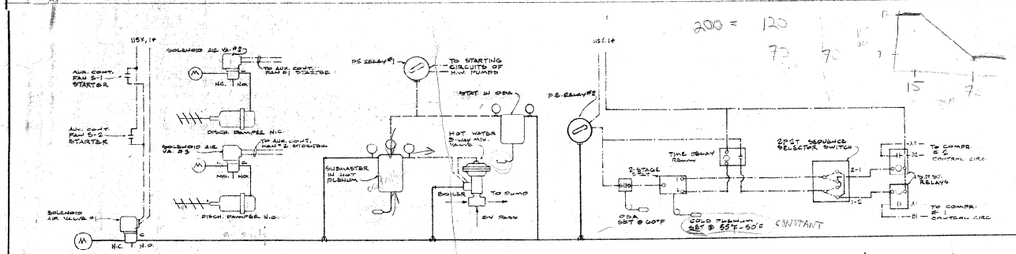
SYMBOL ON DRAWING	ABBREV.	DESCRIPTION
HWS	HWS	HOT WATER HEATING SYSTEM SUPPLY
HWR	HWR	HOT WATER HEATING SYSTEM RETURN
CHW	CHW	CHILLED WATER SYSTEM SUPPLY
CHR	CHR	CHILLED WATER SYSTEM RETURN
CWS	CWS	CONDENSER WATER SUPPLY
CWR	CWR	CONDENSER WATER RETURN
R.R.	R.R.	REFRIGERANT RELIEF
F.S.	F.S.	FLOOR SINK
D	D	INDIRECT DRAIN
F.G.	F.G.	FUEL GAS
		PIPE ANCHOR
		FLOW DIRECTION
S.O.V.	S.O.V.	SHUT-OFF VALVE
G.V.	G.V.	GLOBE VALVE
G.V.	G.V.	GLOBE VALVE
R.V.	R.V.	RELIEF VALVE
STR.	STR.	STRAINER
V.T.	V.T.	VENTURI TYPE
A.V.	A.V.	AUTOMATIC AIR VENT

VENTILATING & AIR CONDITIONING LEGEND

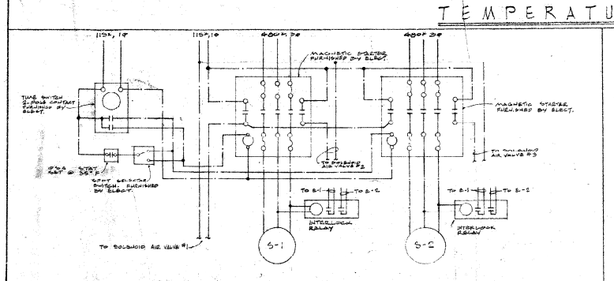
SYMBOL ON DRAWING	ABBREV.	DESCRIPTION
20 x 12	20 x 12	DUCT DIMENSIONS - 1ST DIM. IN PLANE VIEWED 2ND DIM. IN DEPTH FROM VIEWER
22 - 14(G)	22 - 14(G)	ACOUSTICALLY LINED DUCT DIM. ARE INSIDE METAL SIZE
A.F.D.	A.F.D.	AUTOMATIC FIRE DAMPER
M.V.D.	M.V.D.	MANUAL VOLUME DAMPER
		TRANSITION IN DEPTH
		SUPPLY DUCT LOOKING AWAY FROM VIEWER
		RETURN OR EXHAUST DUCT LOOKING AWAY FROM VIEWER
		SUPPLY DUCT LOOKING TOWARD VIEWER
		FLEXIBLE CONNECTION
		RETURN OR EXHAUST DUCT LOOKING TOWARD VIEWER
S.D.	S.D.	SPLITTER DAMPER THROAT SIZE
		PRESSURE TAP TYPICAL (5/8" - 1/4 DUCT WIDTH MIN.)
C.D.	C.D.	SQUARE CEILING DIFFUSER, CIRCULAR AIR PATTERN. NECK DIAMETER INDICATED
C.D.	C.D.	BRANCH TAKE-OFF W/ VOLUME DAMPER DETAIL SHT. M-6
C.D.	C.D.	FLEXIBLE DUCT SAME SIZE AS C.D. DIFFUSER
C.D.	C.D.	LOUVER OR GRILLE WITH VERTICAL DIFFUSER DIRECTIONAL AIR PATTERN WITH BLOW ARRANGEMENT INDICATED
		FLEXIBLE DUCT WITH OUTER ASSEMBLY. DETAIL SHT. M-6
		SLIDING WITH SLIDING VANES
T	T	THERMOSTAT
(C)	(C)	CHILLED DUCT
(H)	(H)	HOT DUCT
C.R.	C.R.	CEILING REGISTER
C.G.	C.G.	CEILING GRILLE
R.G.	R.G.	R.V.E. CEILING RELIEF GRILLE UNLESS OTHERWISE NOTED
R.C.D.	R.C.D.	12x12 CEILING RELIEF GRILLE WITH DAMPER UNLESS OTHERWISE NOTED
T.C.	T.C.	TOILET SIDEWALL RELIEF OR EXHAUST GRILLE
T.R.	T.R.	TOP SIDEWALL RELIEF OR EXHAUST REGISTER
G.U.H.	G.U.H.	GUIDEWAY HEATER - VISTRAM SHT. M-6
DIFF.	DIFF.	DIFFUSER
DUCT.	DUCT.	DUCT
A.D.	A.D.	ACCESS DOORS
A.P.	A.P.	ACCESS PANEL
F.A.	F.A.	FRESH AIR
R.A.	R.A.	RETURN AIR
S.A.	S.A.	SUPPLY AIR
E.X.	E.X.	EXHAUST AIR
A.C.D.	A.C.D.	ADJUSTABLE CEILING DIFFUSER

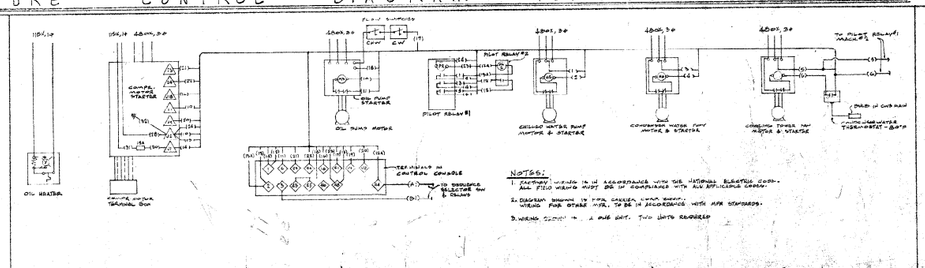
GENERAL LEGEND

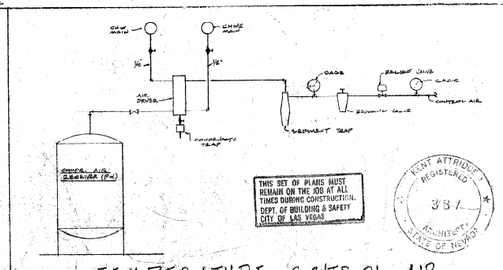
SYMBOL	DESCRIPTION
(G.W.)	INSTALLED UNDER GENERAL CONSTRUCTION SECTION OF SPECIFICATIONS
(P.W.)	INSTALLED UNDER PLUMBING SECTION OF SPECIFICATIONS
(E.W.) (N.I.C.)	INSTALLED UNDER ELECTRICAL SECTION OF SPECIFICATIONS NOT IN CONTRACT
D.L.	DOOR LOUVER (G.W.)
U.C.	UNDERCUT DOOR ¾" CLEAR (G.W.)



TEMPERATURE CONTROL DIAGRAM FOR SUPPLY SYSTEM


SUPPLY FAN SYSTEM WIRING DIAGRAM


REFRIGERATION SYSTEM WIRING DIAGRAM


TEMPERATURE CONTROL AIR

THIS SET OF PLANS MUST REMAIN ON THE JOB AT ALL TIMES DURING CONSTRUCTION. DEPT. OF BUILDING & SAFETY CITY OF LAS VEGAS

KENT ATTRIDGE REGISTERED 387 ARCHITECT STATE OF NEVADA

BANK OF NEVADA BUILDING

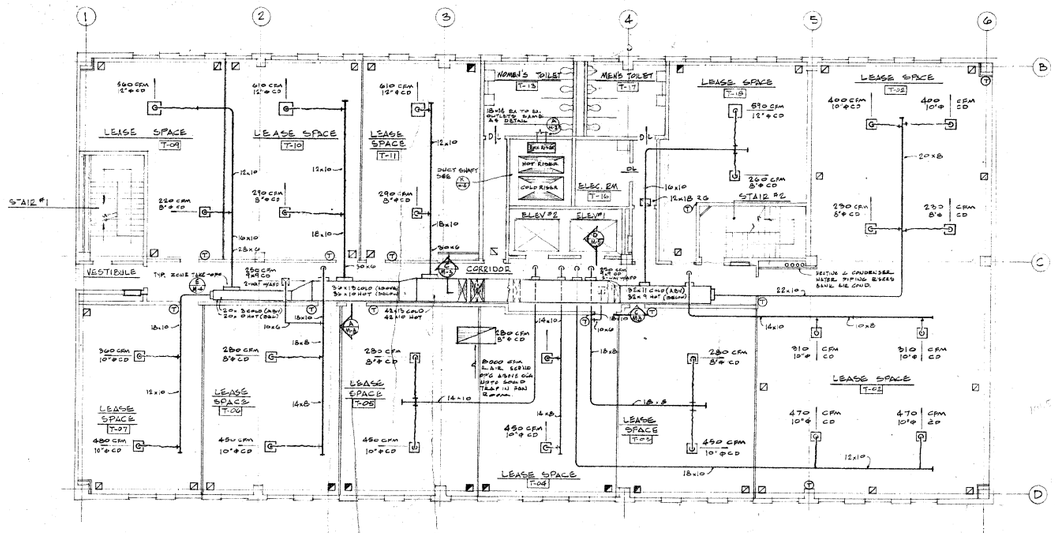
THIRD AND BRIDGER STREET — LAS VEGAS, NEVADA

NO.	DATE	BRIEF DESCRIPTION
1	12-9-65	

DATE: 3-22-65
DRAWN: J.J.E
CHECKED: A.W.J.
APPROVED:
DATE:

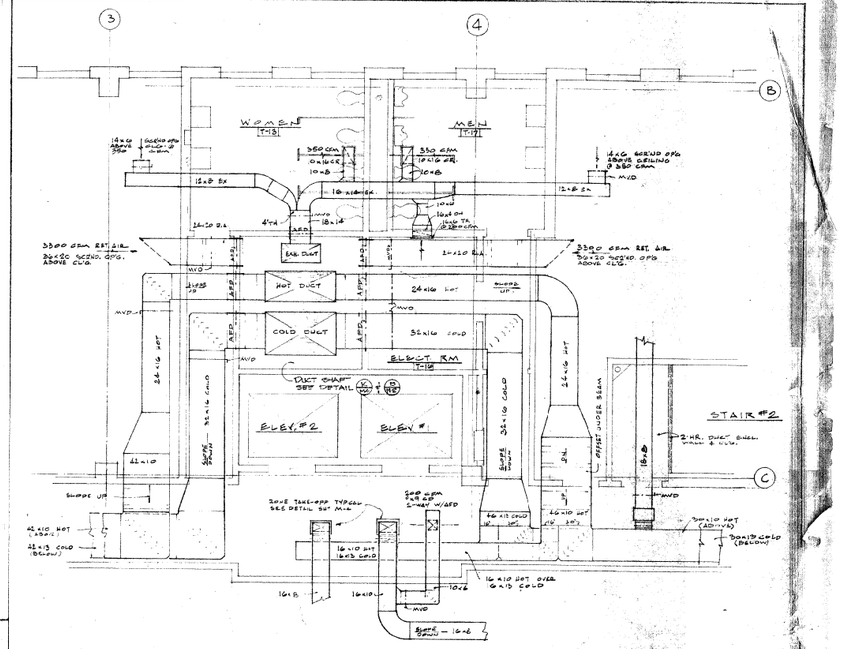
KENT ATTRIDGE & ASSOC.
ARCHITECTS
LAS VEGAS, NEVADA • LOS A

1609



TENTH FLOOR PLAN

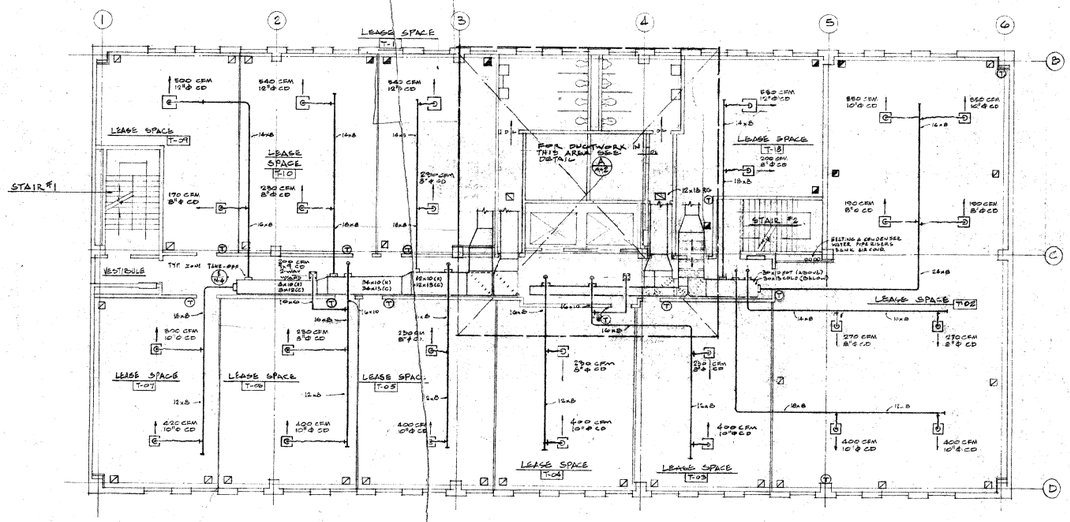
SCALE 1/8" = 1'-0"



TYPICAL FLOOR PART PLAN

SCALE 1/4" = 1'-0"

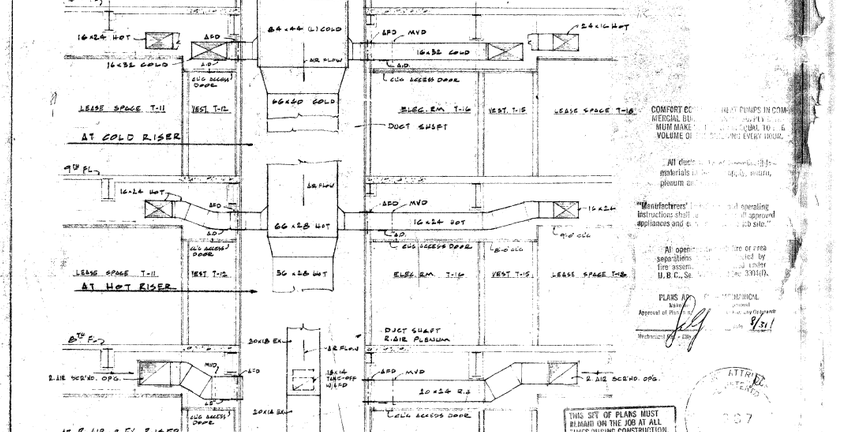
(A)



TYPICAL FLOOR PLAN

(TYPICAL FOR 6TH, 7TH, 8TH & 9TH FL.)

SCALE 1/8" = 1'-0"



DUCT SHAFT SECTION LOOKING SOUTH

SCALE 1/8" = 1'-0"

BANK OF NEVADA BUILDING

THIRD AND BRIDGER STREET — LAS VEGAS, NEVADA

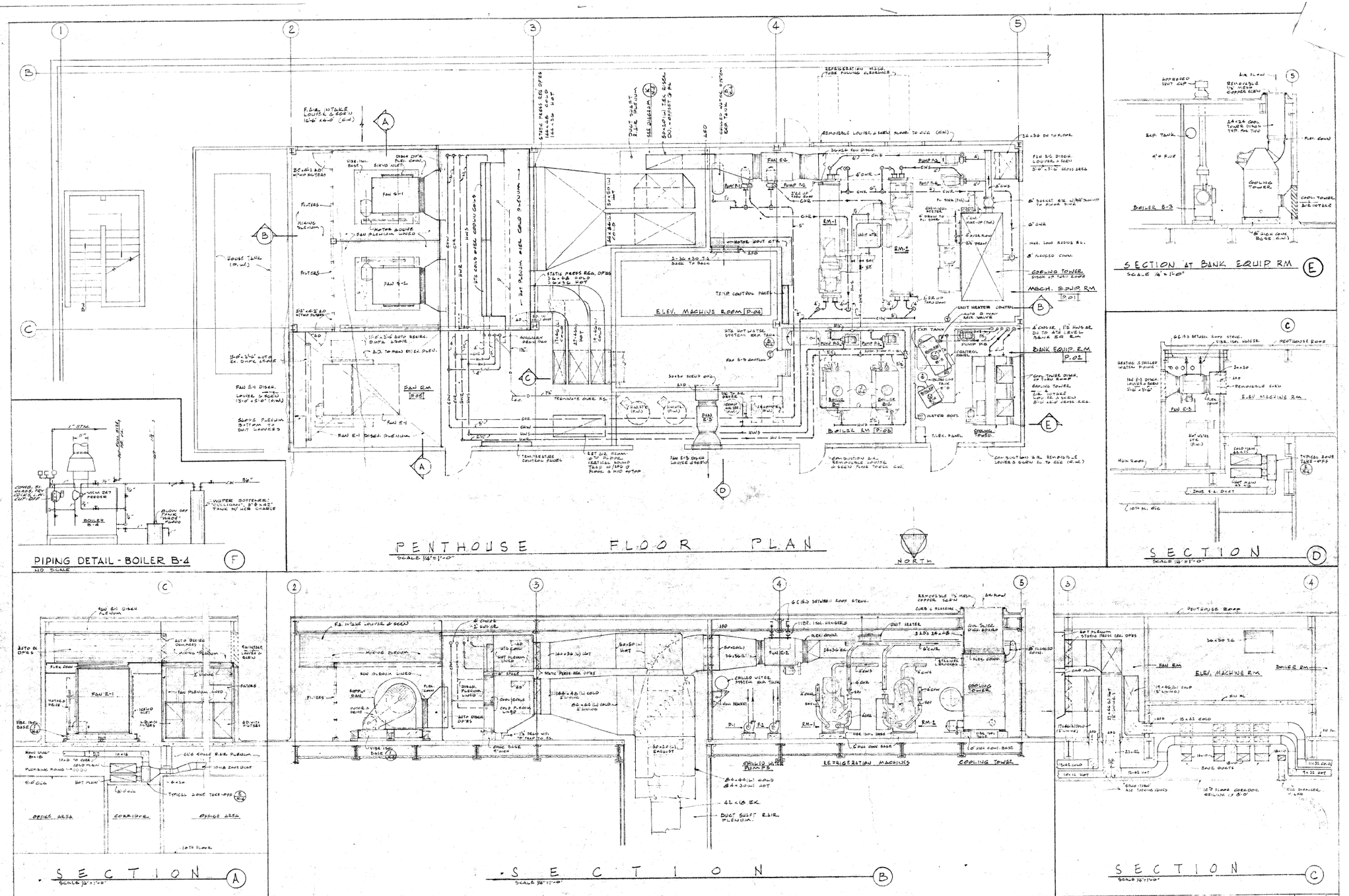
DATE	BRIEF DESCRIPTION
	DATE: 3-22-65
	DRAWN: G.J.B.
	CHECKED: K.A.S.
	APPROVED
	DATE:

KENT ATTRIDGE & ASSOCIATES

ARCHITECTS

NEVADA • LOS ANGELES

1609



BANK OF NEVADA BUILDING

THIRD AND BRIDGER STREET

LAS VEGAS, NEVADA

REVISIONS	DATE	BRIEF DESCRIPTION
	7-2-65	STM. BOILER B4 ADDED

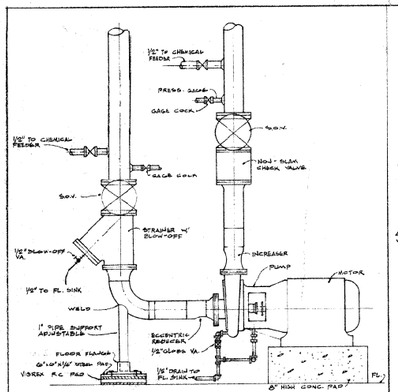
DATE: 3-22-1965
DRAWN: A.V.
CHECKED: A.V.
APPROVED:
DATE:

KENT ATTRIDGE & ASSOCIATES
ARCHITECT A.I.A
LAS VEGAS NEVADA

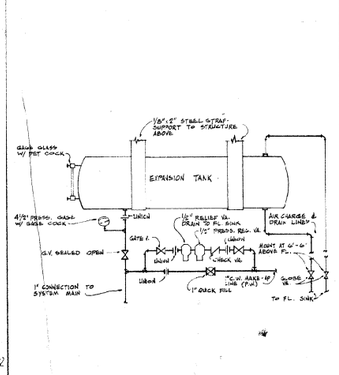
SHEET NO. M-3

JOB NO. 1004

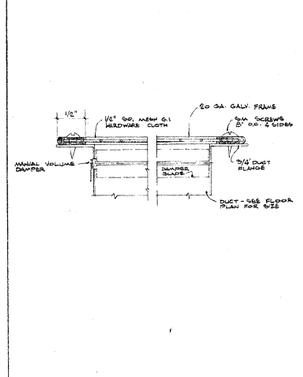
1609



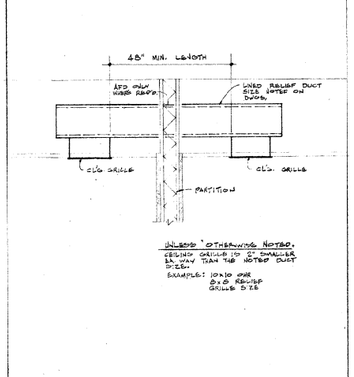
DETAIL OF TYPICAL PUMP — SCALE: NONE — (A)



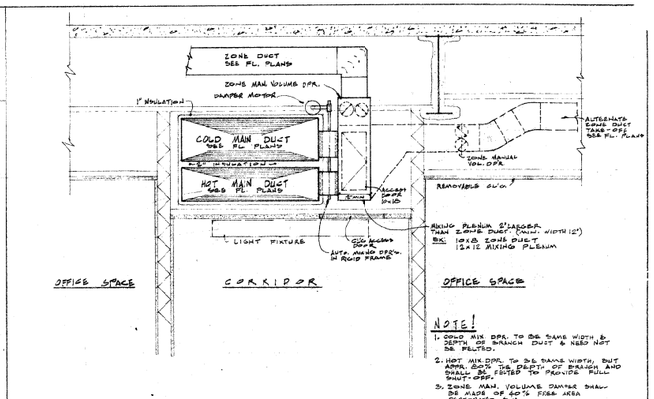
EXPANSION TANK DETAIL — SCALE: NONE — (B)



TYPICAL SCREENED OP'G. — SCALE: NONE — (C)

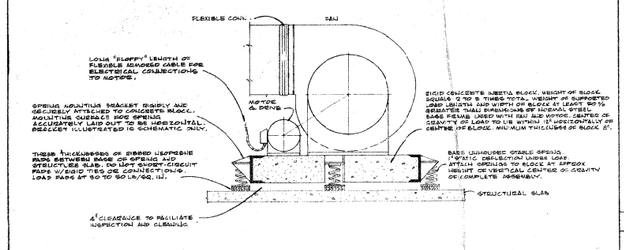


OVERHEAD RELIEF — SCALE: NONE — (D)

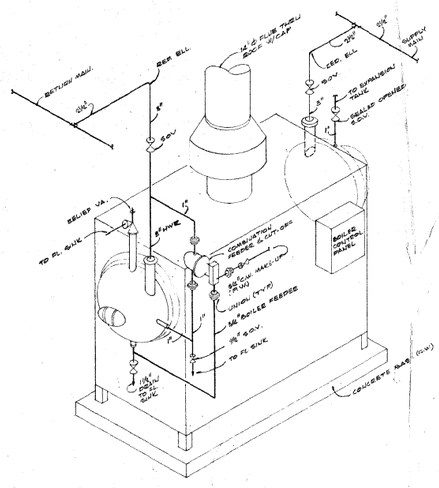


NOTE!
1. ZONE MIX DPR. TO BE SAME WIDTH & DEPTH OF BRANCH DUCT & NEED NOT BE METED.
2. HOT MIX DPR. TO BE SAME WIDTH, BUT ABOUT ½ THE DEPTH OF BRANCH AND SHALL BE METED TO PROVIDE FULL SHUT-OFF.
3. ZONE MAN. VOLUME DAMPER SHALL BE MADE OF 40% FREE AREA PERFORATED S.M.

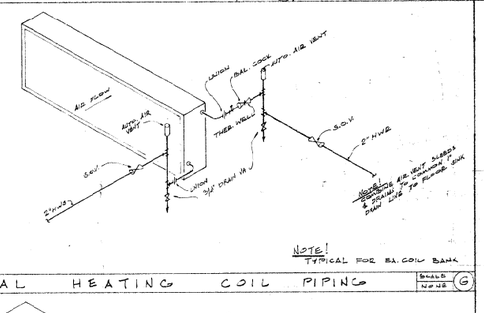
TYPICAL DOUBLE DUCT MIXING DAMPER ASSEMBLY — SCALE: NONE — (E)



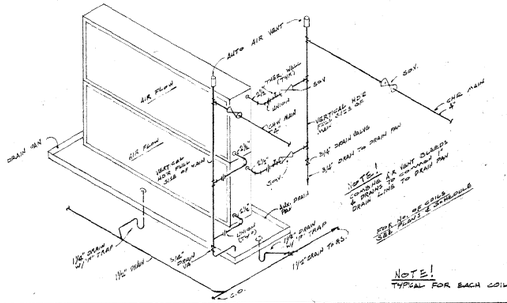
TYPICAL VIBRATION ISOLATION MOUNTING OF FAN ASSEMBLY — SCALE: NONE — (F)



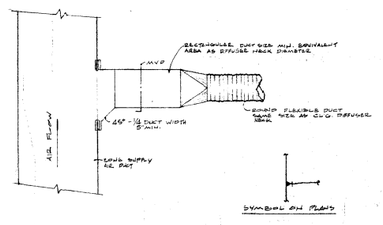
TYPICAL HOT WATER BOILER — SCALE: NONE — (J)



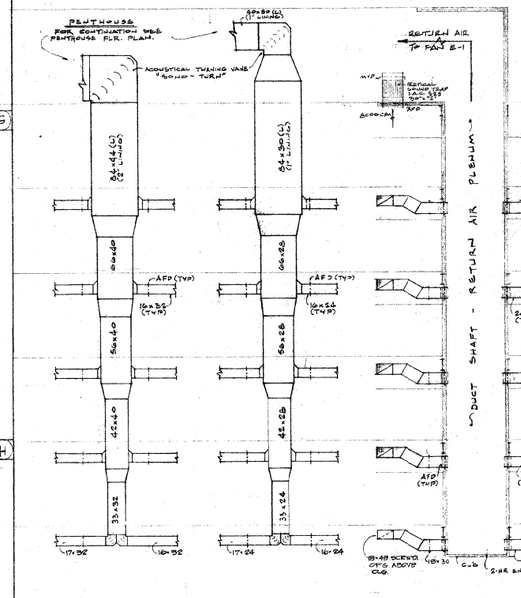
TYPICAL HEATING COIL PIPING — SCALE: NONE — (G)



TYPICAL COOLING COIL PIPING — SCALE: NONE — (H)



DUCT TAKE-OFF — SCALE: NONE — (I)



COLD DUCT

HOT DUCT

COMFORT COOLING & HT. PUMPS IN COMMERCIAL BUILDINGS SHALL SUPPLY MINIMUM MAKE-UP FRESH AIR EQUAL TO THE VOLUME OF THE BUILDING EVERY HOUR.

"Manufacturers' installation and operating instructions shall be provided for all approved appliances and equipment at the job site..."

RETURN AIR

All ducts to be of incombustible materials including supply, return, plenum and vents.

All openings through fire or area separations shall be protected by fire assemblies as provided under U.B.C. Sec. 503(c) and Sec. 3304(f).

EXHAUST AIR

REGISTER

PLANS APPROVED — MECHANICAL
Approval of these plans does not permit the violation of any section of the Building Code or other ordinances of the City of Las Vegas
Mechanical Engineer — Date 9/21/65

RISER DIAGRAMS

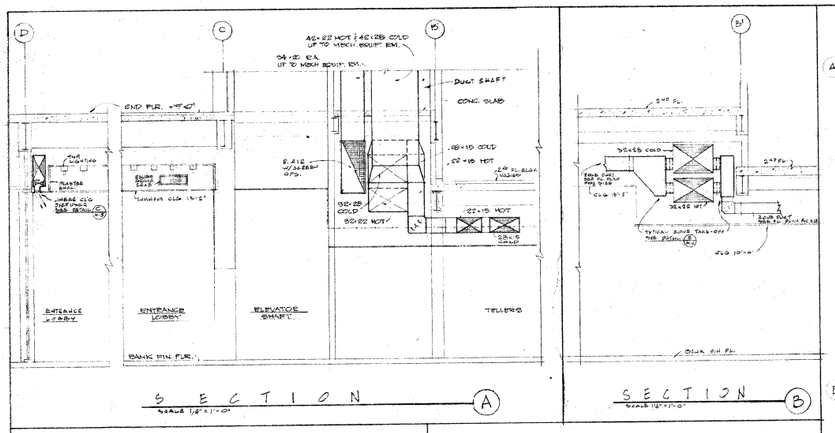
BANK OF NEVADA BUILDING

THIRD AND BRIDGER STREET — LAS VEGAS, NEVADA

REVISIONS	DATE	BRIEF DESCRIPTION

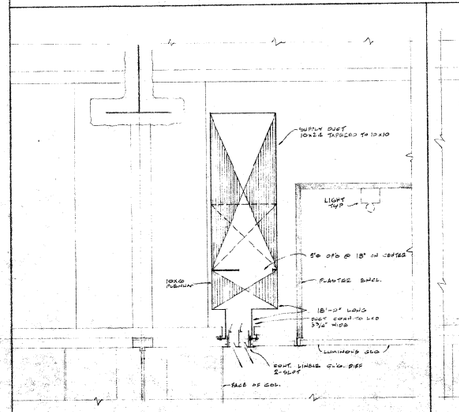
DATE: 3-22-65
DRAWN: J.J.B.
CHECKED: A.J.
APPROVED:
DATE:

KENT ATTRIDGE & ASSOCIATES
ARCHITECTS · A.I.A.
LAS VEGAS, NEVADA · LOS ANGELES, CALIF.

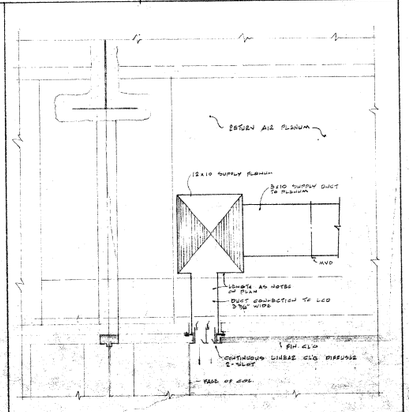


SECTION (A)

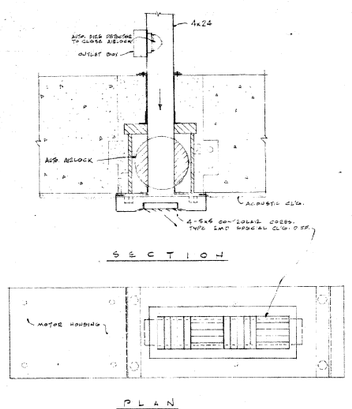
SECTION (B)



DETAIL OF LINEAR CEILING DIFFUSER IN ENTRANCE LOBBY (C)



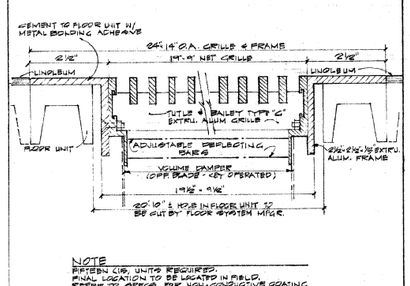
DETAIL OF LINEAR CEILING DIFFUSER IN BANK LOBBY (D)



SECTION

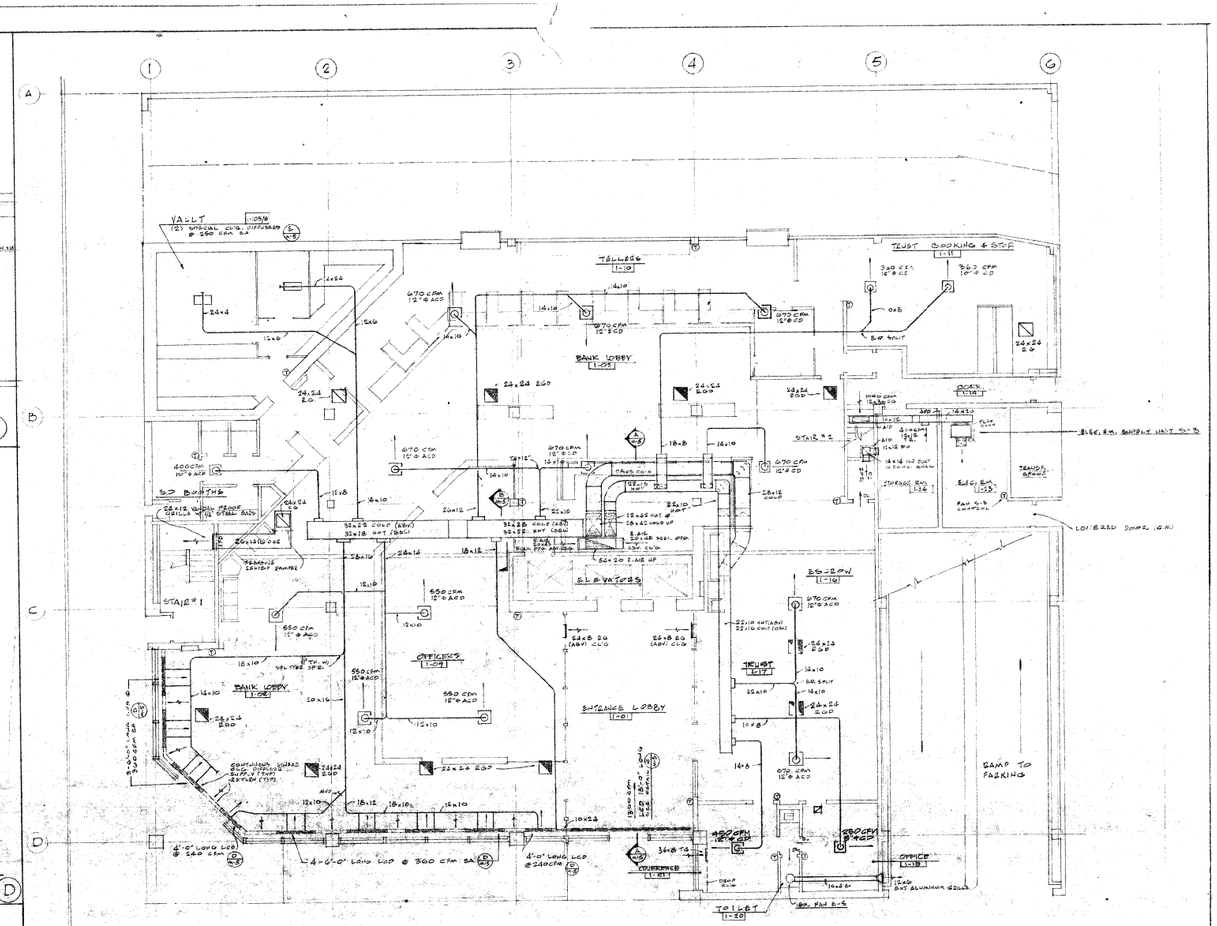
PLAN

DETAIL OF AUTO. AIRLOCK UNIT IN VAULT (E)



NOTE
FIFTEEN (15) UNITS REQUIRED.
FINAL LOCATION TO BE LOCATED IN FIELD.
REFER TO SPECS FOR NON-CONDUCTIVE COATING

FLOOR REGISTER DETAIL (F)
NOT TO SCALE DATA PROCESSING - RM. 5-20



FIRST FLOOR PLAN

NORTH

BANK OF NEVADA BUILDING

THIRD AND BRIDGER STREET LAS VEGAS, NEVADA

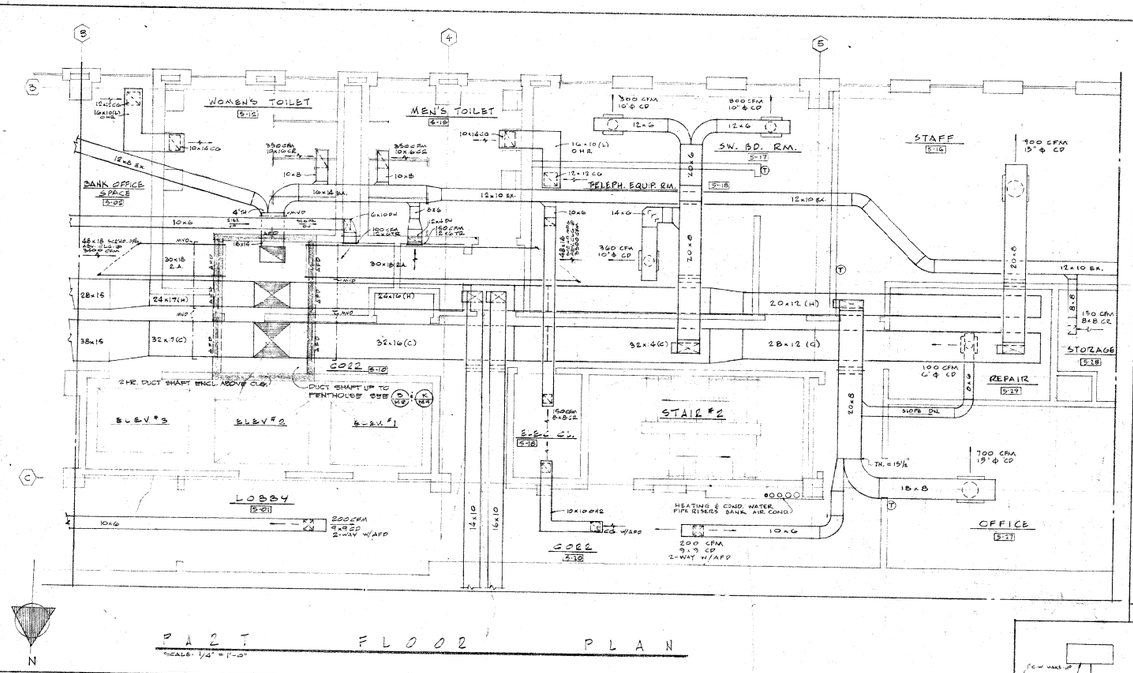
REVISIONS	DATE	BRIEF DESCRIPTION
	7-2-65	RMS. 1-18 & 1-21, DET. "F" ADDED

DATE: 3-22-65
DRAWN: J.J.S.
CHECKED: A.J.
APPROVED:
DATE:

KENT ATTRIDGE & ASSOCIATES
ARCHITECTS A. A.
LAS VEGAS, NEVADA LOS ANGELES, CALIF.

SHEET No. M-5

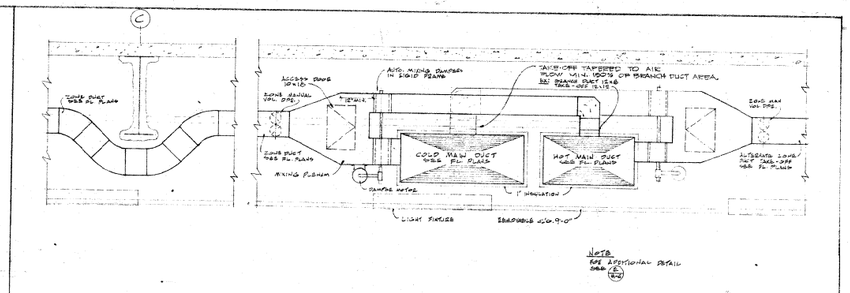
1609



DUCT FLOOR PLAN

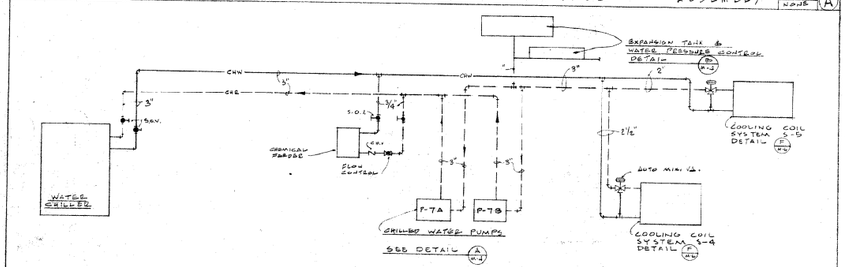
SCALE: 1/4" = 1'-0"

N



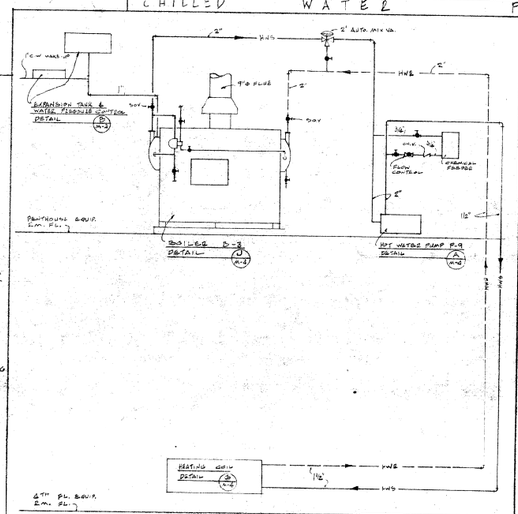
TYPICAL DOUBLE DUCT MIXING DAMPER ASSEMBLY

SCALE NONE (A)



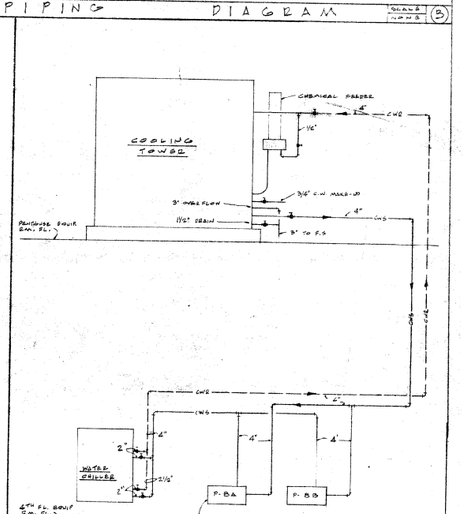
CHILLED WATER PIPING DIAGRAM

SCALE NONE (B)



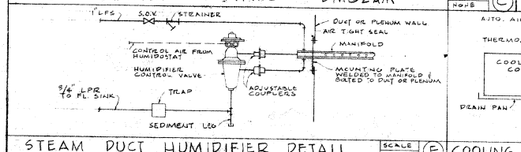
HOT WATER PIPING DIAGRAM

SCALE NONE (C)



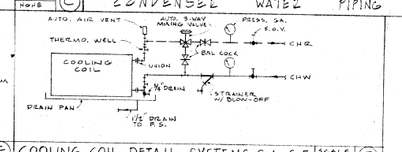
CONDENSER WATER PIPING DIAGRAM

SCALE NONE (D)



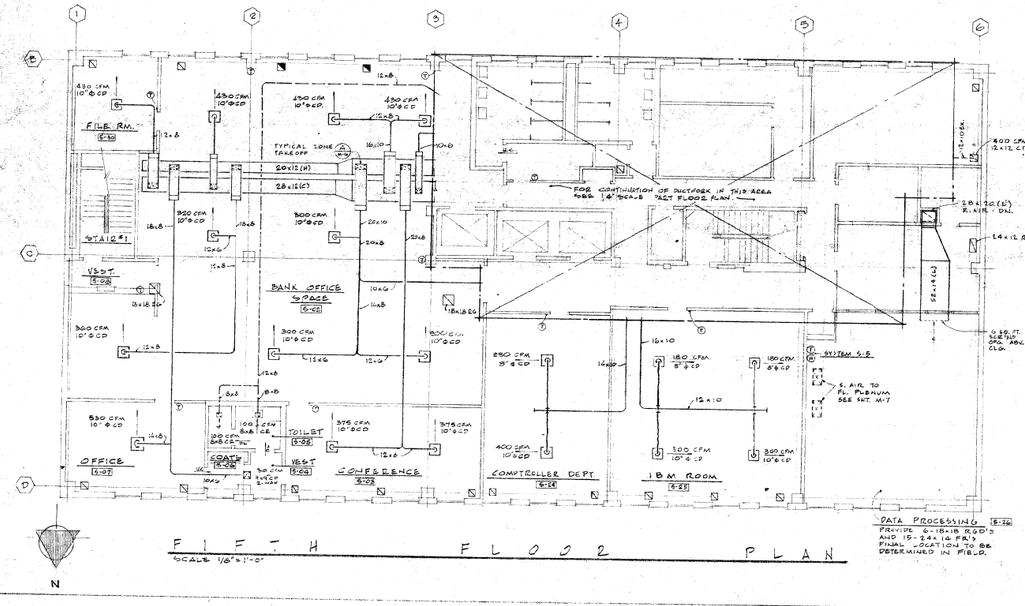
STEAM DUCT HUMIDIFIER DETAIL

SCALE NONE (E)



COOLING COIL DETAIL SYSTEMS S-4 & S-5

SCALE NONE (F)



FIFTH FLOOR PLAN

SCALE 1/8" = 1'-0"

N

BANK OF NEVADA BUILDING

THIRD AND BRIDGER STREET

LAS VEGAS, NEVADA

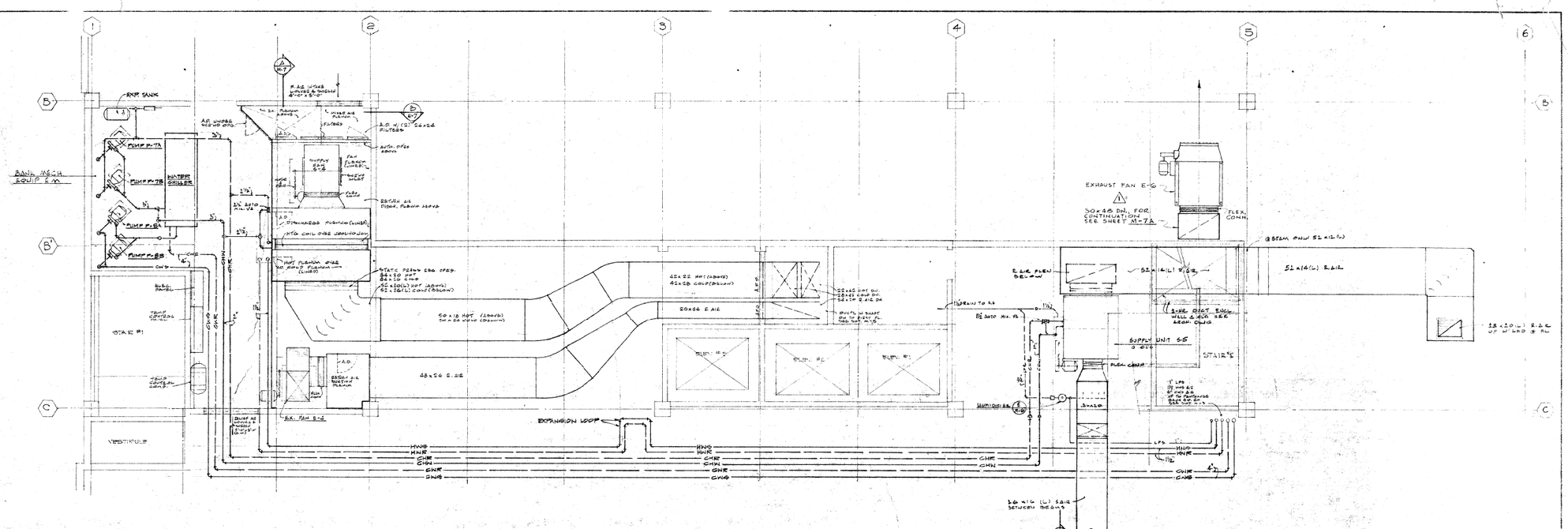
NO.	DATE	BRIEF DESCRIPTION
1	7-26-65	GENERAL REVISIONS

DATE: 5-25-65
DRAWN: J.J.B.
CHECKED: A.J.
APP'D:
DATE:

KENT ATTRIDGE & ASSOCIATES
ARCHITECTS · A. I. A.
LAS VEGAS, NEVADA · LOS ANGELES, CALIF.

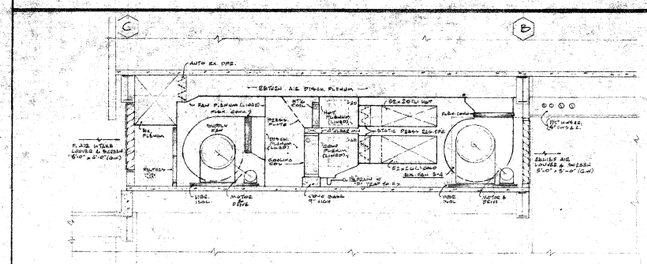
SHEET NO. M-6
JOB NO. 1096

1609



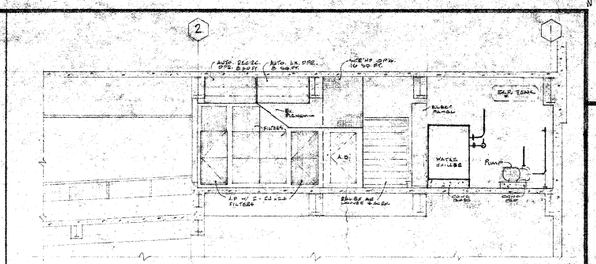
PARTIAL FOURTH FLOOR PLAN

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



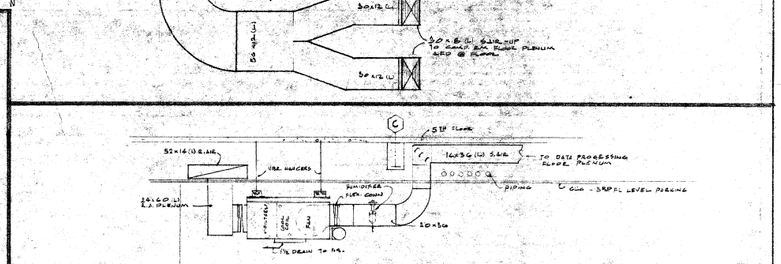
SECTION (A)

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



SECTION (B)

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



SECTION @ FAN S-5 (C)

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

EQUIPMENT SCHEDULE — FIRST FLOOR & DATA PROCESSING

A. SUPPLY SYSTEM - FIRST FLOOR

1. FAN S-4

a. TYPE & SIZE: HERRINGBONE 60/60 DSW, CLASS I, ARR. 3 STHD
b. PERFORMANCE: 14,500 CFM @ 2½" S.P. - 1520 RPM - 7.8 BHP
c. MOTOR: 7½ HP - 460V - 3Ø - 60~
d. VIBRATION ISOLATION BASE: VIBREX RMS

2. COOLING COILS

a. TYPE: WESTINGHOUSE 7-R
b. RIGID: 6 ROW - 11.0 S.F. - 77 SQ. FT. FACE AREA
c. PERFORMANCE: 11,900 CFM
ENT. AIR: 84.0 S.D.B. - 68.8 W.B. LVG. AIR: 58°DB - 51°WB,
ENT CHILLED WATER: 44°F. LVG CHILLED WATER: 56.9°F ; 89 GPM
COIL FACE VELOCITY: 425 FT/MIN.
MAX. AIR RESIST. W.P. 2.0": ½" W.G
MAX. WATER HEAD LOSS: 2 FT OF WATER

3. HEATING COILS

a. TYPE: WESTINGHOUSE 7-W
b. SIZE: 2 ROW - 11.0" - 1'-6" - 18.5 D. SQ. FT. FACE AREA
c. PERFORMANCE: 5900 CFM
ENT. AIR: 57° F.
LVG AIR: 105°F
ENT HOT WATER: 200°F
60% FACE VELOCITY: 950 FT/MIN.
MAX WATER HEAD LOSS: 9 FT OF WATER

4. FILTERS

a. TYPE: BURKE # 200, ROTO-AIR, RMI-R 48 SERIES
b. SIZE: 24 x 24 x 2
10 REQUIRED

B. COOLING TOWER

a. TYPE & SIZE: MARLEY AQUACOOLER, MODEL 6243
b. PERFORMANCE: 170 GPM, ENT. WATER 95°F, LVG WATER 85°F
ENT. AIR: 78°F WB
c. FAN: 19,670 CFM @ ½" EXTERNAL S.P.
d. MOTOR: 5 HP, 1750 RPM, 460V - 3Ø - 60~

C. EXHAUST FANS

1. EXHAUST FAN E-4

a. SERVICE: KITCHEN AIR TRANSFER
b. TYPE & SIZE: HERRINGBONE 60/60 DSW, CLASS I, ARR. 9
c. PERFORMANCE: 11,500 CFM @ 3/4" S.P. - 1,200 RPM - 2.85 HP
d. MOTOR: 5 HP - 1750 RPM, 460V - 3Ø - 60~
e. VIBRATION ISOLATION BASE: VIBREX RMS

2. EXHAUST FAN E-5

a. APPLIES TO: EXHAUST
b. TYPE & SIZE: 11C CEILING TYPE VENTILATOR
c. PERFORMANCE: 100 CFM @ 1/8" S.P.
d. MOTOR: 60 WATTS - 115V - 1Ø - 60~
e. CONTROL: LIGHT SWITCH

D. WATER CHILLER

1. WATER CHILLER

a. TYPE & SIZE: WESTINGHOUSE PACKAGE WATER CHILLER - PB-050 N
b. PERFORMANCE: 50.0 NET REFRIGERATION TONS @ 10.0°F SQUEEZING
CHILLER: 111 GPM, ENT. WATER 56°F, LVG. WATER 44°F, PRESSURE DROP 14 FT.
CONDENSER: 170 GPM, ENT. WATER 85°F, LVG. WATER 95°F
PRESSURE DROP 8 FT
FULL LOAD: 94 KW INPUT
c. COMPRESSORS: 1760 RPM, 460V - 3Ø - 60~
4 @ 20 C.F. FULL LOAD CURRENT AMPERE
1 @ 87 LOCKED ROTOR CURRENT AMPERE

E. CIRCULATING PUMPS

1. CHILLED WATER PUMPS P-7A & P-7B

a. TYPE & SIZE: WEINMAN 2SC CENTRIFUGAL SINGLE COUPLED
b. PERFORMANCE: 111 GPM @ 60 FT HD
c. MOTOR: 3 HP - 1750 RPM - 460V - 3Ø - 60~

2. CONDENSER WATER PUMPS P-8A & P-8B

a. TYPE & SIZE: WEINMAN 2SC, CENTRIFUGAL CLOSE COUPLED
b. PERFORMANCE: 170 GPM @ 70 FT HD
c. MOTOR: 5 HP - 1750 RPM - 460V - 3Ø - 60~

3. HEATING HOT WATER PUMP P-9

a. TYPE & SIZE: 1½ CENTRIFUGAL CLOSE COUPLED
b. PERFORMANCE: 22 GPM @ 65 FT HD
c. MOTOR: ½ HP, 1750 RPM 460V - 3Ø 60~

F. EXPANSION TANKS

1. CHILLED WATER SYSTEM

a. TANK SIZE: 14"Ø - 30" O.L. - 22 GAL. STORAGE
b. PRESS. REG. VA. - SET @ 12 PSI
c. RELIEF VA.: - SET @ 125 PSI

2. HEATING HOT WATER SYSTEM

a. TANK SIZE: 14" - 30" O.L. 22 GAL. STORAGE
b. PRESS. REG. VA.: SET @ 12 PSI
c. RELIEF VA.: - SET @ 125 PSI

G. BOILERS

1. BOILER B-3

a. TYPE & SIZE: HEATING HOT WATER, THERMO-PAK GH-5509
b. CAPACITY: 5691 MBH INPUT - 4437 MBH OUTPUT
c. BURNER: LOW PRESSURE, NATURAL GAS
d. FLUE: 9" Ø FLUE W/ APPROVED GAP
e. CONTROL: T-T-A-21 W/ REMOTE ALARM

2. BOILER B-4

a. TYPE & SIZE: T PBI - STEAM, AJAX 4GX-100 W/ COPPER TUBES, METALIZED HEADERS AND VIN. ALLOY SHELL
b. CAPACITY: 1,000 MBH INPUT - 800 MBH OUTPUT
c. BURNER: LOW PRESSURE, NATURAL GAS
d. FLUE: 9" Ø FLUE W/ APPROVED GAP
e. CONTROL: 407 W 60 - 1 - 6 - FLETE W/ OPERATING CONTROL, H&M 247 FEEDER, & REMOTE ALARM.

H. SUPPLY SYSTEM - DATA PROCESSING

1. FAN S-5

a. TYPE & SIZE: WESTINGHOUSE SERIES 16000, SIZE 11, THC
b. PERFORMANCE: 4,600 CFM @ 1½" S.P. - 1980 RPM - 2.65 BHP
c. MOTOR: 3 HP - 460V - 3Ø - 60~
d. VIBRATION ISOLATION: VIBREX RMS

2. COOLING COILS

a. TYPE: WESTINGHOUSE "KC" - COPPER
b. RIGID: 6 ROW - 5.5 S.F. - 11.0 SQ. FT. FACE AREA
c. PERFORMANCE: 4,600 CFM
ENT. AIR: 80.0 D.B. - 64.7 W.B. LVG. AIR: 54°DB - 52°WB
ENT. CHILLED WATER: 44°F. LVG CHILLED WATER: 56° F. 28 GPM
COIL FACE VELOCITY: 400 FT/MIN.
MAX. AIR RESIST. W.P. 1.00": 1½" W.G.
MAX. WATER HEAD LOSS: 8 FT OF WATER

3. HUMIDIFIER

a. TYPE: ARMSTRONG AM-SEA, STEAM OPERATION
W/ 15 PSI AIR SUPPLY & 5 PSI STEAM
b. PERFORMANCE: 14/55 GRINGS, 49 #/HR STEAM PER HOUR

4. FILTERS

a. TYPE: PUMP-AIR, ROTO-AIR, RMI-R SERIES
b. SIZE: 20 x 20
6 REQUIRED

BANK OF NEVADA BUILDING

THIRD AND BRIDGER STREET — LAS VEGAS, NEVADA

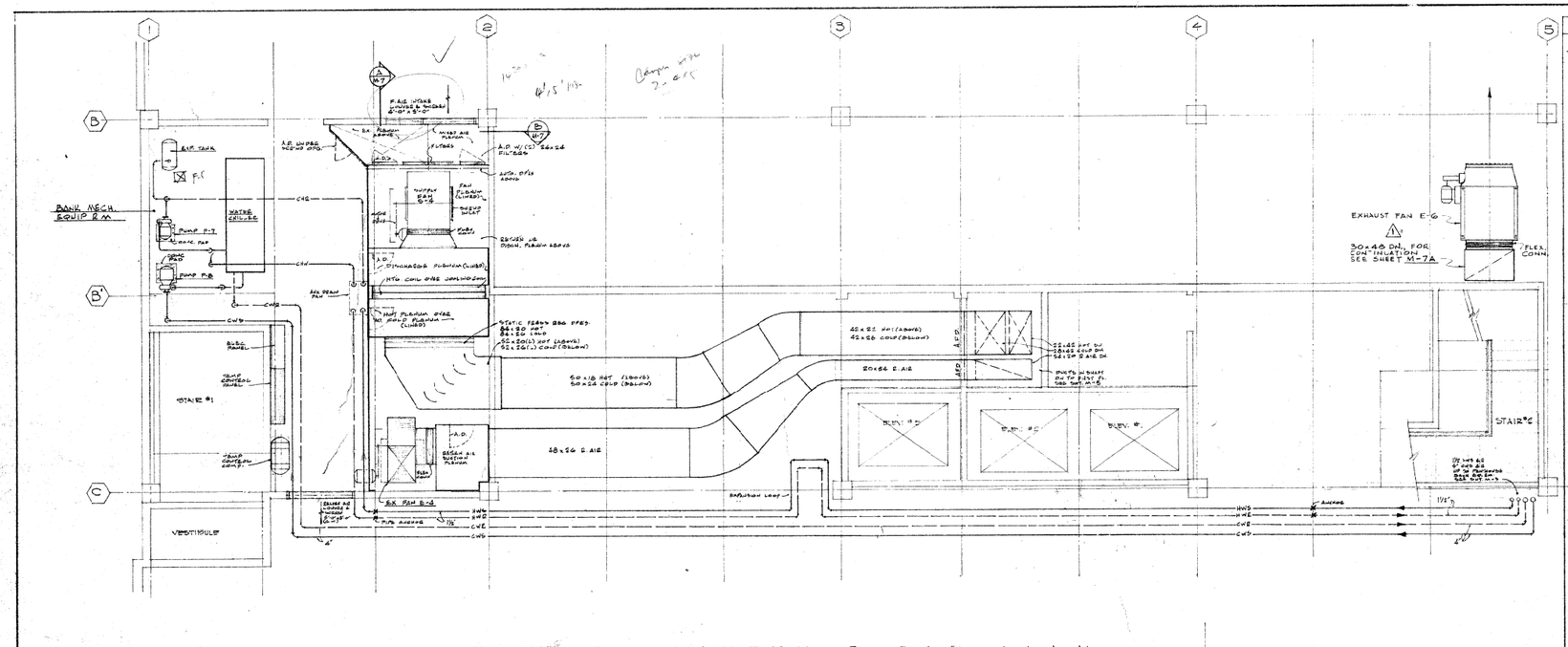
DATE	BRIEF DESCRIPTION
6-2-65	GARAGE VENTILATION & EXHAUST FAN E-6 ADDED
7-2-65	MECH. EQUIP. FOR DATA PROCESSING ADDED

DATE: 3-22-65
DRAWN: J.G.
CHECKED:
APPROVED
DATE:

KENT ATTRIDGE & ASSOCIATES
ARCHITECTS · A. I. A.
LAS VEGAS, NEVADA · LOS ANGELES, CALIF.

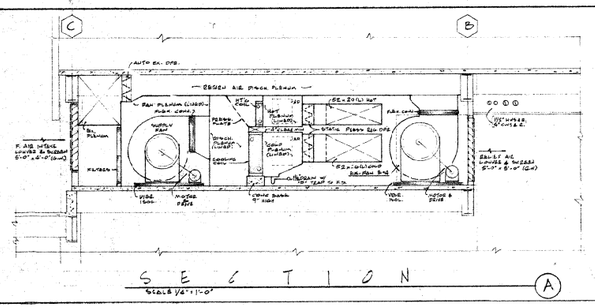
SHEET NO. M-7
JOB NO. 1069

1609



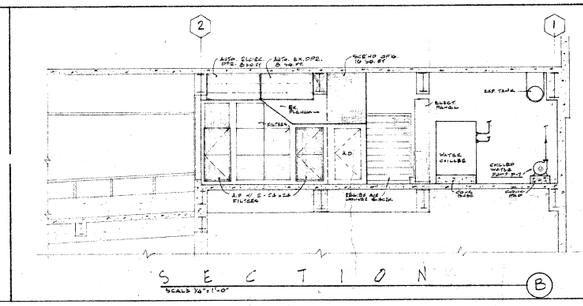
PARTIAL FOURTH FLOOR PLAN

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



SECTION A

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



SECTION B

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

BANK OF NEVADA BUILDING

THIRD AND BRIDGER STREET — LAS VEGAS, NEVADA

EQUIPMENT SCHEDULE FIRST FLOOR

A. SUPPLY SYSTEM

1, FAN S-4

a. TYPE & SIZE: WESTINGHOUSE 8030 DIDW, CLASS I, ARR. 3 THD
b. PERFORMANCE: 14,500 CFM @ 2½" S.P. - 1520 R.V. - 9.60 BHP - 6.8 BHP
c. MOTOR: 7½ H.P. 3480 r - 3ø - 60~
d. VIBRATION ISOLATION BASE: VIBREX 'SMB'

2, COOLING COILS

a. TYPE: WESTINGHOUSE, 'W'
b. SIZE: 6 ROW - 9'-0" x 8'-0", 27 SQ.FT. FACE AREA
c. PERFORMANCE: 11,500 CFM
ENT. AIR: 86.6° DB. - 66.5° WB. LVG. AIR: 58° DB - 51° WB
ENT. CHILLED WATER: 42.1° F, LVG. CHILLED WATER: 52° F
COIL FACE VELOCITY: 426 FT/MIN.
MAX. AIR FRICT.: WET COIL ½" WG
MAX. WATER HEAD LOSS: 12 FT OF WATER

3, HEATING COILS

a. TYPE: WESTINGHOUSE, 'W'
b. SIZE: 2 ROW - 9'-0" x 1'-6", 13.5 SQ.FT. FACE AREA
c. PERFORMANCE: 6500 CFM
ENT. AIR: 57° F
LVG. AIR: 85° F
ENT. HOT WATER: 200° F
COIL FACE VELOCITY: 630 FT./MIN.
MAX. WATER HEAD LOSS: 3 FT. OF WATER

4, FILTERS

a. TYPE: BURKE & CO. 2070 - AIR, EAI - 12 462164
b. SIZE: 24 x 24 x 2
10 REQUIRED

B. EXHAUST FANS

1, EXHAUST FAN (E-5)

a. SERVICE: RETURN AIR TRANSFER
b. TYPE & SIZE: WESTINGHOUSE 8080 DIDW, CLASS I, ARR. 3
c. PERFORMANCE: 11,500 CFM @ 3/8" S.P. - 1180 R.V. - 1300 R.V. - 1360 RPM - 2.6 BHP
d. MOTOR: 3HP - 1760 RPM, 460V, 3ø, 60~
e. VIBRATION ISOLATION BASE: VIBREX 'SMB'

2, EXHAUST FAN (E-5)

a. SERVICE: TOILET EXHAUST
b. TYPE & SIZE: ILG CEILING - TYPE VENTILATOR
c. PERFORMANCE: 100 CFM @ 1/8" S.P.
d. MOTOR: 60 WATTS - 1158 r.p.m. 60~
e. CONTROL: LIGHT SWITCH

3, EXHAUST FAN (E-6)

a. SERVICE: GARAGE EXHAUST
b. TYPE & SIZE: WESTINGHOUSE 240 IN-LINE AEROFOIL, CLASS I, ARR. 9, HORIZ.
c. PERFORMANCE: 17,000 CFM @ 1" S.P. - 1700 R.V. - 1330 RPM - 8.5 BHP
d. MOTOR: 10 H.P. 1760 RPM, 460V, 3ø, 60~

C. WATER CHILLER

1, WATER CHILLER

a. TYPE & SIZE: WESTINGHOUSE PACKAGE WATER CHILLER - PD 045 W
b. PERFORMANCE: 41.7 NET REFRIGERATION TONS @ 105° F CONDENSING
CHILLED 84 GPM, ENT. WATER 52° F, LVG WATER 44° F
PRESSURE DROP 15 FT.
CONDENSER: 127 GPM, ENT. WATER 85° F, LVG. WATER 96° F
PRESSURE DROP 5 FT.
FULL LOAD: 40.2 kW INPUT
c. COMPRESSORS: 1760 RPM, 460 V, 3ø, 60~
3 @ 20.0 FULL LOAD CURRENT AMPS.
1 @ 87 LOCKED ROTOR CURRENT AMPS

D. COOLING TOWER

1. TYPE & SIZE: MARLEY AQUA COOLER, MODEL NO. 0630
2. PERFORMANCE: 130 GPM/H, ENT. WATER 95° F, LVG. WATER 85° F
ENT. AIR 78° F WB
3. FAN: 11,760 CFM @ 1/4" EXTERNAL S.P.
4. MOTOR: 3 H.P. 1760 RPM, 460 V, 3ø, 60~

NOT USED OUT

E. CIRCULATING PUMPS

1, CHILLED WATER PUMP P-7

a. TYPE & SIZE: WEINMAN 80 CENTRIFUGAL CLOSE COUPLED
b. PERFORMANCE: 84 GPM @ 40 FT.H.
c. MOTOR: 3/4 HP - 1750 RPM - 460 V, 3ø, 60~

DUPLEX

2, CONDENSER WATER PUMP P-8

a. TYPE & SIZE: WEINMAN BK, CENTRIFUGAL CLOSE COUPLED
b. PERFORMANCE: 130 GPM @ 60 FT. H.D.
c. MOTOR: 3 HP, 1760 RPM - 460 V, 3ø, 60~

3, HEATING HOT WATER PUMP P-9

a. TYPE & SIZE: IG, CENTRIFUGAL, CLOSE COUPLED
b. PERFORMANCE: 20 GPM @ 65 FT. HD
c. MOTOR: 3/4 H.P., 1750 RPM - 460 V, 3ø, 60~

F. BOILER

1, BOILER B-3

a. TYPE & SIZE: HEATING HOT WATER; TUBE-FAX GW-559
b. CAPACITY 559 MBH INPUT, 447 MBH OUTPUT
c. BURNER: LOW PRESSURE, NATURAL GAS
d. FUEL: #2 FUEL W/ APPROVED GAS
e. CONTROL: T-IA-2 W/ ESSMCO ALARM

G. EXPANSION TANKS

1, CHILLED WATER SYSTEM

a. TANK SIZE: 16" x 30" LG., 22 GAL. STORAGE
b. PRESS. REQ. VA.: 45# @ 12 PSI
c. RELIEF VA.: 45# @ 25 PSI

2, HEATING HOT WATER SYSTEM

a. TANK SIZE: 16" x 30" LG., 22 GAL. STORAGE
b. PRESS. REQ. (A.): 45# @ 12 PSI
c. RELIEF VA.: 45# @ 25 PSI

All openings through fire or area separations shall be protected by fire assemblies as required under U.B.C., Sec. 502, Par. Sec. 3304(b).

COMFORT COOLING & HEAT PUMPS IN COMMERCIAL BUILDINGS SHALL SUPPLY MINIMUM RATE OF FRESH AIR EQUAL TO THE VOLUME OF THE BUILDING EVERY HOUR.

"Manufacturers' installation and operating instructions shall be provided for all approved appliances and equipment at the job site."

PLANS APPROVED — MULTNOMAH
Approval of these plans does not permit violation of any City ordinance
Date 8/31/65

THIS SET OF PLANS SHALL REMAIN ON THE JOB AT ALL TIMES DURING CONSTRUCTION
EXPIRES ON (SHELF)

KENT ATTRIDGE REGISTERED 337 ARCHITECT STATE OF NEVADA

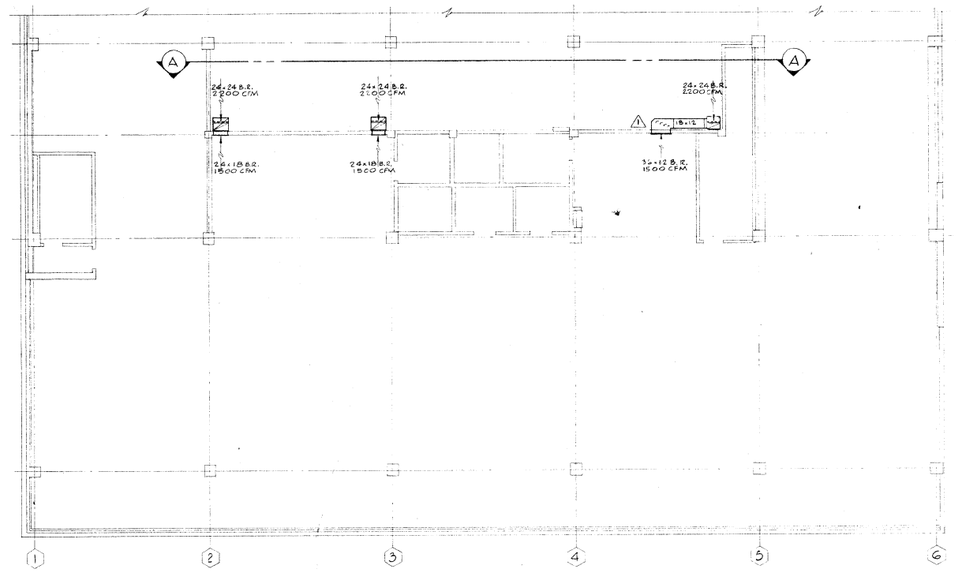
DATE	BRIEF DESCRIPTION
6-2-65	GARAGE VENTILATION & EXHAUST FAN E-6 ADDED.

DATE: 5-22-65
DRAWN: J.J.S.
CHECKED: A.J.
APPROVED
DATE:

KENT ATTRIDGE & ASSOCIATES
ARCHITECTS · A. I. A.
LAS VEGAS, NEVADA · LOS ANGELES, CALIF.

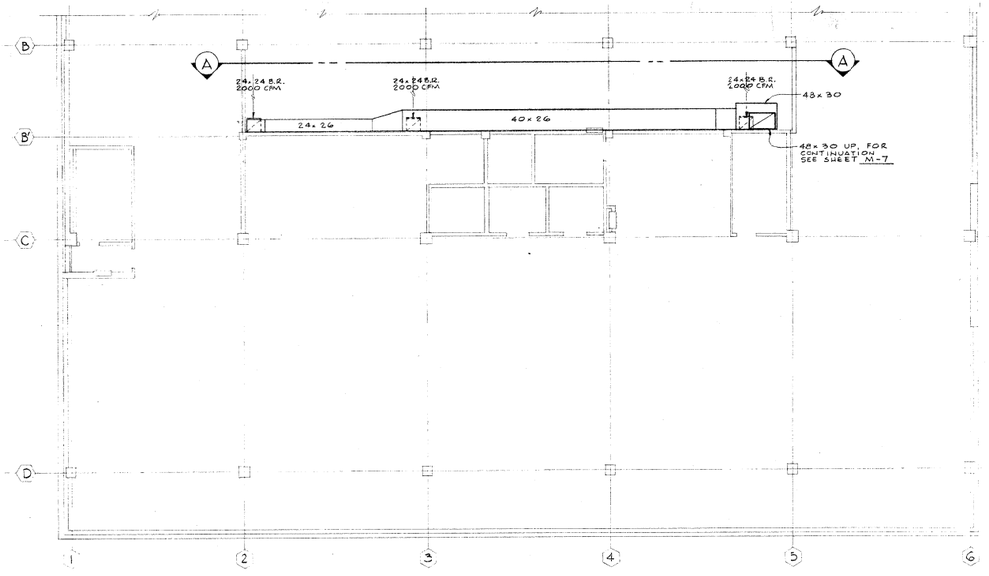
SHEET NO. M-7

JOB NO. 1609



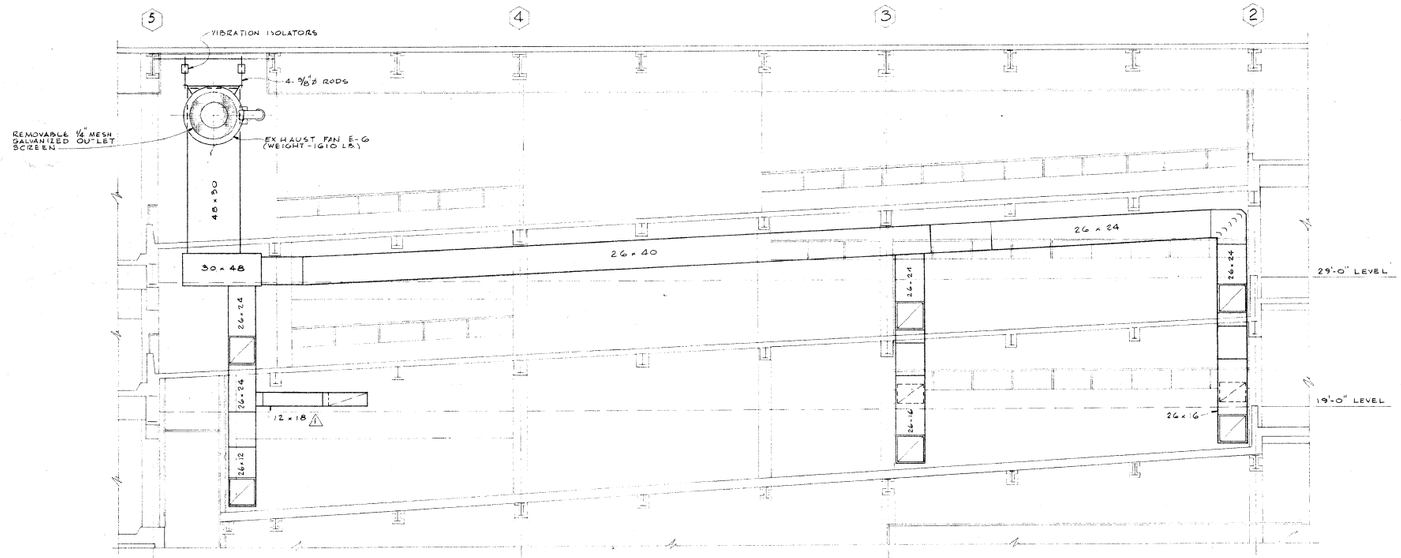
SECOND FLOOR PART PLAN

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



THIRD FLOOR PART PLAN

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



SECTION A-A

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

All ducts to be of incombustible materials including supply, return, plenum and vents.

All openings through fire or area separations shall be protected by fire assemblies as specified under U. B. C., Sec. 503(c) and Sec. 3304(f).

COMFORT COOLING & HEAT PUMPS IN COMMERCIAL BUILDINGS SHALL SUPPLY MINIMUM MAKE-UP [illegible] TO THE VOLUME OF THE BUILDING EVERY HOUR.

"Manufacturers' installation and operating instructions shall be provided for all approved appliances and equipment at the job site."

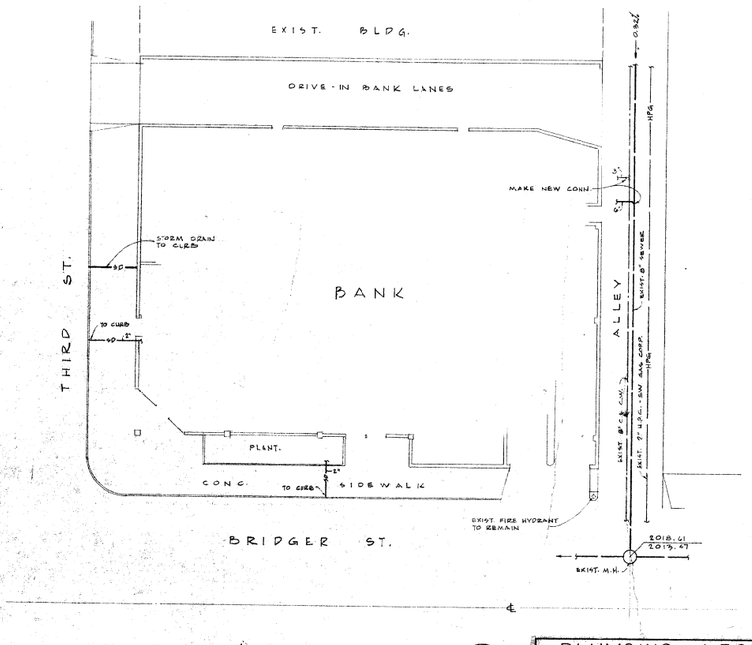
THIS SET OF PLANS MUST REMAIN ON THE JOB AT ALL TIMES DURING CONSTRUCTION. DEPT. OF BUILDING & SAFETY CITY OF LAS VEGAS

PLANS APPROVED — MECHANICAL
Make [illegible] approval
Approval of Plans [illegible] to Validate any Ordinance
Date 8/31/65
Mechanical Dept. [illegible] Engineer

BANK OF NEVADA BUILDING	REVISIONS	DATE	BRIEF DESCRIPTION	DATE: 6-2-65	KENT ATTRIDGE & ASSOCIATES
THIRD AND BRIDGER STREET LAS VEGAS, NEVADA		6-18-65	REGISTER & DUCT REVISED @ 19'-0" LEVEL BTWN. COL. 4 & 5.	DRAWN: M. L.	ARCHITECTS · A. I. A.
				CHECKED: M. L.	LAS VEGAS, NEVADA · LOS ANGELES, CALIF.
				APPROVED DATE:	

SHEET No. M-7A

JOB No. 1609



SITE PLAN

1/16" = 1'-0"

N

FIXTURE SCHEDULE

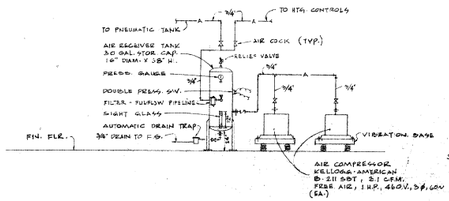
SYMBOL	DESCRIPTION	WP	VP	CW	HW	REMARKS
W.C.	WATER CLOSET	4"	1"	1½"	-	FLOOR TYPE, TANK TYPE
U.R.	URINAL	2"	1¼"	¾"	-	WALL HUNG
L.-1	LAVATORY	1½"	1¼"	½"	½"	WALL HUNG
L.-2	LAVATORY	1½"	1¼"	½"	½"	COUNTER TYPE
E.D.F.	ELECTRIC DRINKING FOUNTAIN	1½"	½"	½"	-	WALL HUNG, SEMI-RECESSED
S.S.	SERVICE SINK	3"	1"	¾"	¾"	
F.D.	FLOOR DRAIN	2"	1¼"			
	TROUGH DRAIN	3"	-	-	-	TO STORM DRAIN
A.D.	AREA DRAIN	3"	-	-	-	SAME AS TROUGH DRAIN
F.S.	FLOOR SINK	6" or 8"	1½"	-	-	
F.H.C.-1	FIRE HOSE CABINET	-	-	1½"	-	FULLY RECESSED
F.H.C.-2	" " "	-	-	1½"	-	EXPOSED, PROVIDE SUPPORTING BRACKETS
F.H.C.-3	" " "	-	-	1½"	-	SEMI-RECESSED (FOR 4" STUD WALL)
	PLANTER DRAIN	2"				
	CANOPY DRAIN	2"				

NOTE: WATER SIZES IN SCHEDULE ARE CONNECTION SIZES ONLY, FOR BRANCH SIZE SEE PLANS AND RISER DIAGRAM.

PLUMBING LEGEND

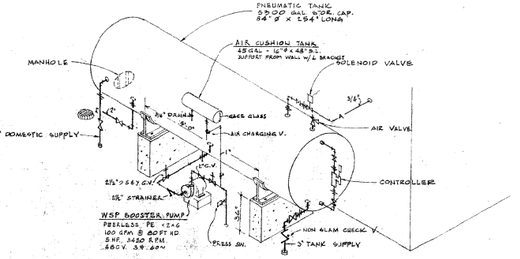
SYMBOL	ABBREV.	DESCRIPTION
	S. OR W.	SOIL & WASTE ABOVE GRADE
	S. OR W.	SOIL & WASTE BELOW GRADE
SD	S.D.	STORM DRAIN
V	V.	SANITARY VENT
C.W.	C.W.	COLD WATER
H.W.	H.W.	HOT WATER
H.W.R.	H.W.R.	HOT WATER RETURN
T	T.W.	TEMPERED WATER
180°	180°	180° HOT WATER
S.C.W.	S.C.W.	SOFT COLD WATER
F	F.	FIRE LINE
D.S.P.	D.S.P.	DRY STANDPIPE
W.S.P.	W.S.P.	WET STANDPIPE
C.S.P.	C.S.P.	COMBINATION SPRINKLER STANDPIPE
A	A	AIR LINE
I.W.	I.W.	INDUSTRIAL WASTE
I.L.	I.L.	IRRIGATION LINE
G	G.	GAS (LOW PRESSURE)
M.G.	M.G.	GAS (MEDIUM PRESSURE)
S.O.V. OR S.V.	S.O.V. OR S.V.	SHUT-OFF VALVE OR GATE VALVE
	GL. V.	GLOBE VALVE
	C.V.	CHECK VALVE
	G.C.	GAS COCK
	B.C.	BALANCING COCK
	P.R.V.	PRESSURE REDUCING VALVE
	P. REL. V.	PRESSURE RELIEF VALVE
	P.T. REL. V.	PRESS-TEMPERATURE REL. V.
	UNION	UNION
C.O.	F.C.O. OR C.O.T.G.	FLOOR CLEANOUT
CO	W.C.O.	WALL CLEANOUT
	H.B. OR B.C.	HOSE BIBB OR BILL COCK
UP	UP	RISER
DN	DN.	DROP
	ABV.	ABOVE
	A.B.	ACCESS BOX
	A.P.	ACCESS PANEL
	A.R.	ACID RESISTING
	BEL.	BELOW
	CONT.	CONTINUATION
	COMB. W.&V.	COMBINATION WASTE & VENT
	C.O.T.G.	CLEANOUT TO GRADE
	CLG.	CEILING
	C.I.	CAST IRON
	D.S.	DOWNSPOUT
	E. - EXIST.	EXISTING
	EXP.	EXPOSED
	F.H.	FIRE HYDRANT
	F.H.C.	FIRE HOSE CABINET
	F.H.R.	FIRE HOSE RACK
	F.E.	FIRE EXTINGUISHER
	F.E.C.	FIRE EXTINGUISHER & CABINET
	F.G.	FINISHED GRADE
	FIN. FLR.	FINISHED FLOOR
	HDR.	HEADER
	I.E.	INVERT ELEVATION
	M.H.	MANHOLE
	N.I.C.	NOT IN CONTRACT
	P.G.	PRESSURE GAUGE
	P.I.V.	POST INDICATOR VALVE
	P.T.	PLUGGED TEE
	P.V.	PLUGGED WYE
	R.I.E.C.	ROUGH-IN & CONNECT
	U.O.S.	UNDER OTHER SECTION OF SPECS
	V.C.P.	VITE-FIBD CLAY PIPE
	V.E.	VENT ELBS
	V.T.R.	VENT THRU ROOF
	X.H.C.I.	EXTRA HEAVY CAST IRON
	Y.B.	YARD BOX

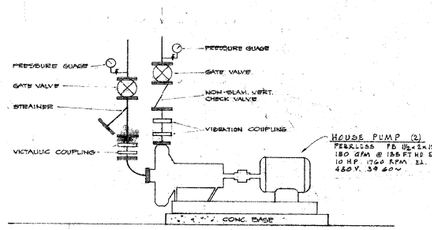
NOTE: SYMBOLS & ABBREVIATIONS AS APPLICABLE.



A P.1 AIR COMPRESSORS

NOT TO SCALE





B P.1 DETAIL OF PIPING AT HOUSE PUMP

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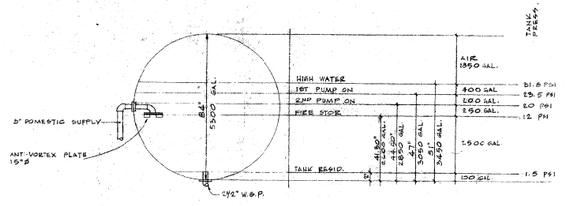

C P.1 PNEUMATIC TANK DETAILS

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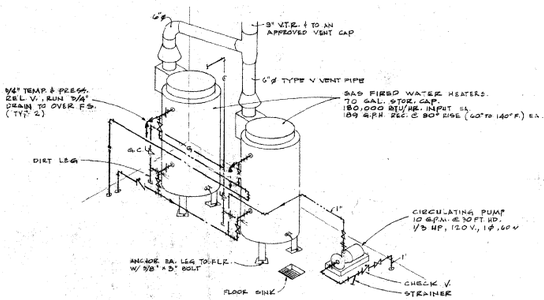


D P.1 WATER HEATER DETAIL

NOT TO SCALE

PLANS APPROVED — MECHANICAL
Note: Plans approved without specific approval of materials and methods shown thereon.
Mechanical Engineer — Date 8/21/65

KENT A. ATTRIDGE — REGISTERED — 337 — ARCHITECT — STATE OF NEVADA

BANK OF NEVADA BUILDING

THIRD AND BRIDGER STREET — LAS VEGAS, NEVADA

NO.	DATE	BRIEF DESCRIPTION

DATE: 9-6-65
DRAWN: A. DIKE
CHECKED: J.M.
APPROVED
DATE:

KENT ATTRIDGE & ASSOCIATES
ARCHITECTS · A. I. A.
LAS VEGAS, NEVADA · LOS ANGELES, CALIF.

SHEET NO. P.1
JOB NO. 1094

1609

THIS SET OF PLANS MUST REMAIN ON THE JOB AT ALL TIMES DURING CONSTRUCTION. DEPT. OF BUILDING & SAFETY CITY OF LAS VEGAS

PLANS APPROVED — MECHANICAL
Make no change without approval
Approval of Plan is not a permit to violate any Ordinance
Date 8/31/65
Mechanical Eng. - City of Las Vegas

KENT ATTRIDGE REGISTERED 387 ARCHITECT STATE OF NEVADA

BANK OF NEVADA BUILDING

THIRD AND BRIDGER STREET LAS VEGAS, NEVADA

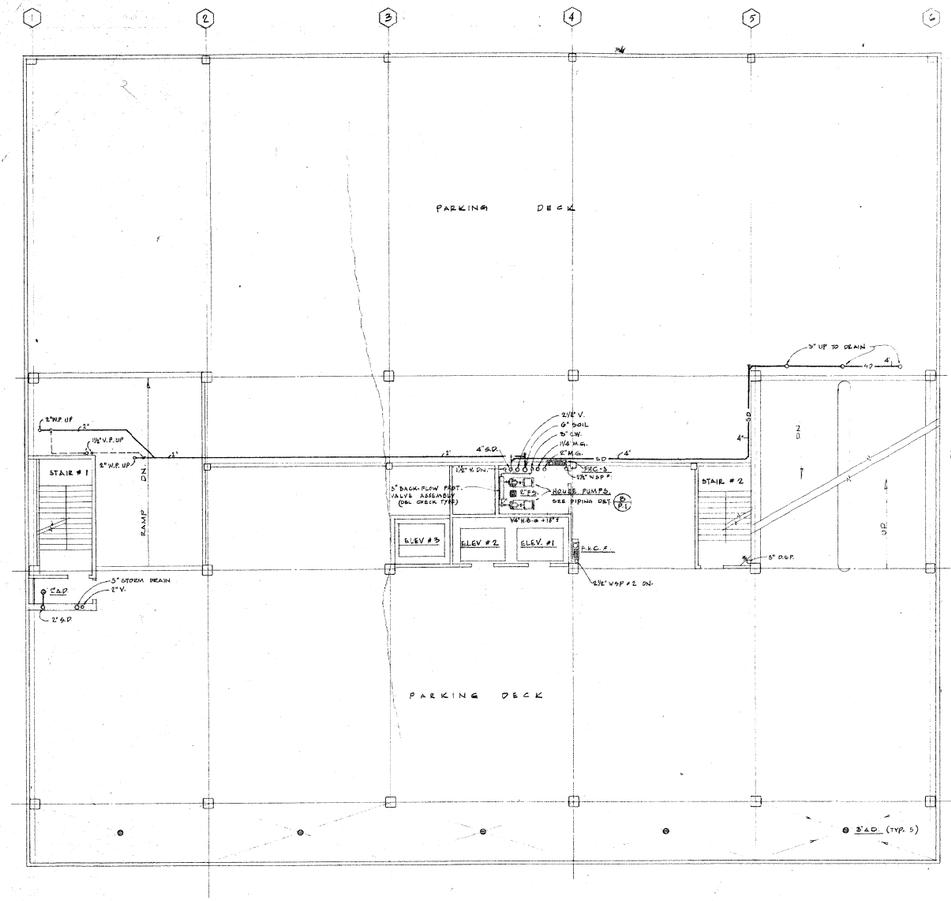
REVISIONS DATE	BRIEF DESCRIPTION	
⚠1	DELETED 2" METER & PIPE TO BANK	A.D.

DATE: 7-22-65
DRAWN: A. DUKE
CHECKED: J.M.
APPROVED DATE:

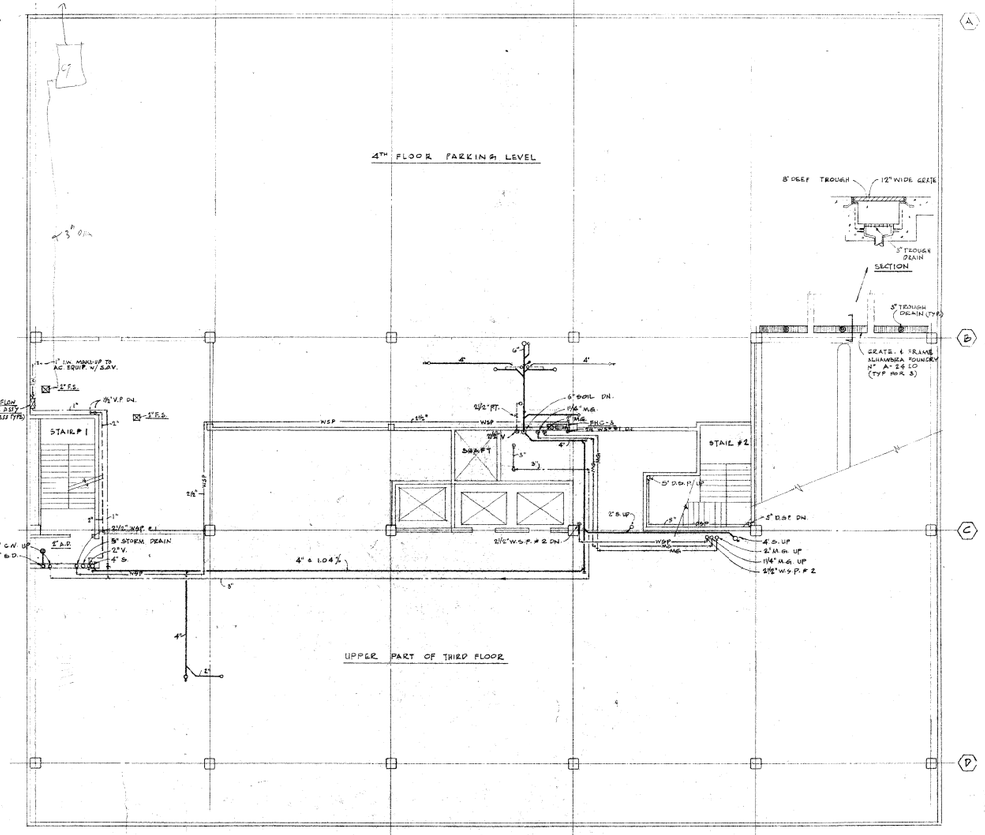
KENT ATTRIDGE & ASSOCIATES
ARCHITECTS • A. I. A.
LAS VEGAS, NEVADA • LOS ANGELES, CALIF.

SHEET NO. P.2
JOB NO 1094

1609



3RD FLOOR - PARKING LEVEL
1/8" = 1'-0"



4TH FLOOR - PARKING LEVEL
1/8" = 1'-0"

N

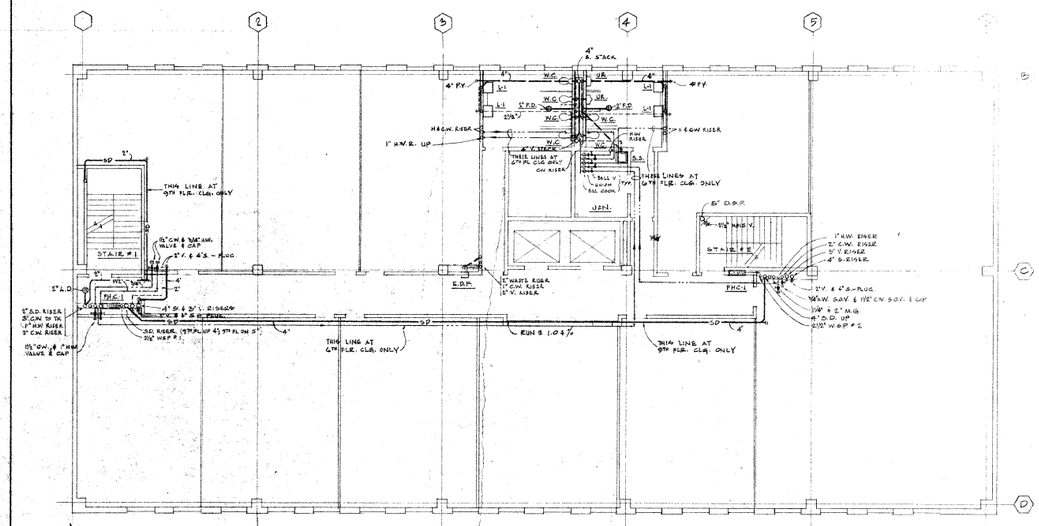
PLANS APPROVED - MECHANICAL
Mechanical Engineer Date 8/31/65

KENT ATTRIDGE REGISTERED 387 ARCHITECT STATE OF NEVADA

BANK OF NEVADA BUILDING THIRD AND BRIDGER STREET LAS VEGAS, NEVADA	REVISIONS	DATE	BRIEF DESCRIPTION	DATE: 7-22-66 DRAWN: A. DUKE CHECKED: J.M. APPROVED DATE:	KENT ATTRIDGE & ASSOCIATES ARCHITECTS · A. I. A LAS VEGAS, NEVADA · LOS ANGELES, CALIF.

SHEET NO P.3
JOB NO

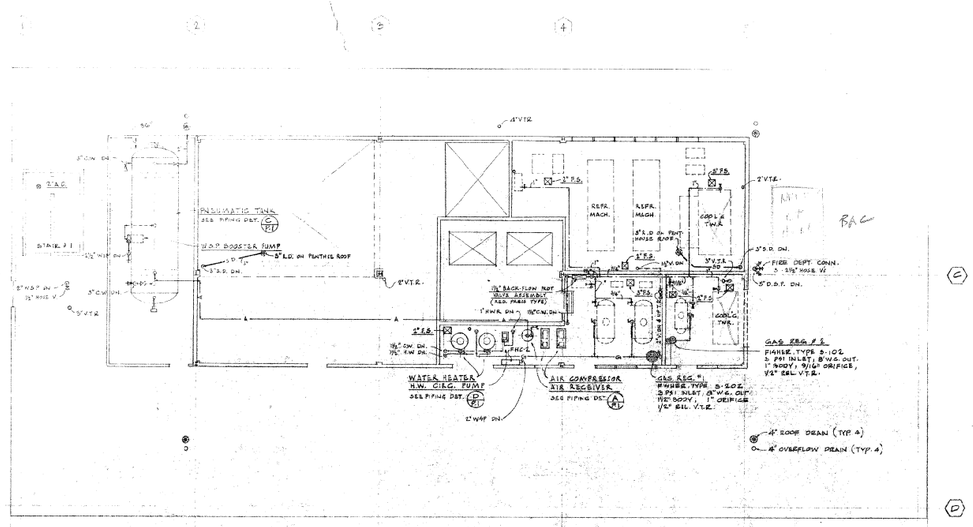
1609



TYPICAL FLOOR PLAN (6TH, 7TH, 8TH & 9TH)

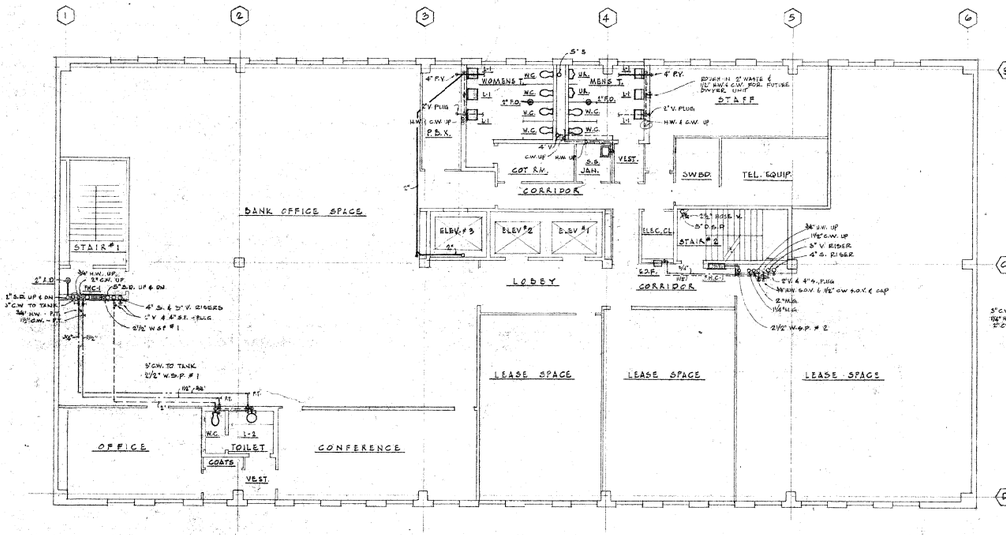
1/8" = 1'-0"

N



PENTHOUSE & ROOF PLAN

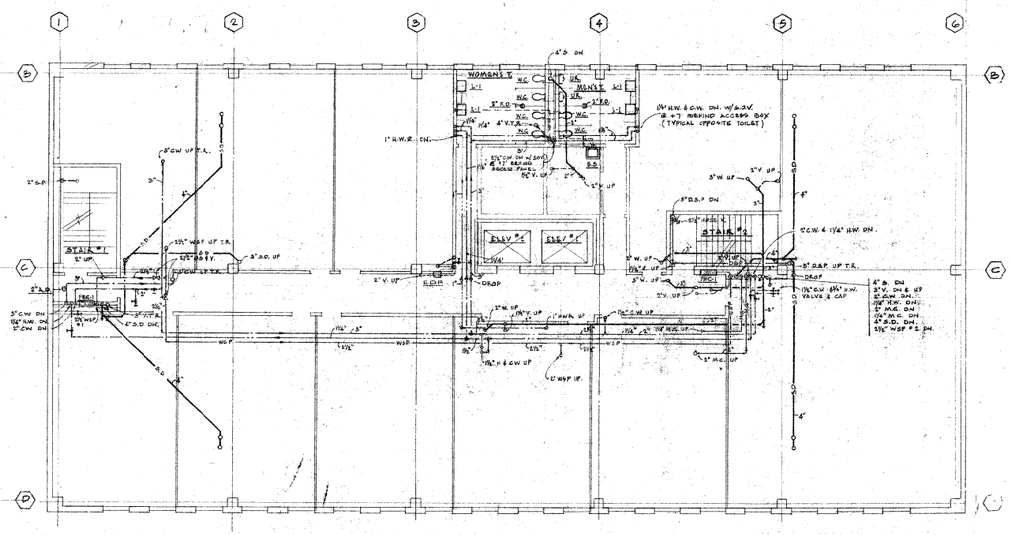
1/8" = 1'-0"



5TH FLOOR PLAN

1/8" = 1'-0"

N



10TH FLOOR PLAN

1/8" = 1'-0"

PLANS APPROVED RECOMMENDED
Approval of these drawings is for conformance with the design concept of the project and compliance with the information given in the contract documents but does not relieve the contractor of his responsibility for errors and omissions in the drawings. Responsibility for dimensions and conditions on the job and the construction of the project.
Date 8/31/67

KENT ATTRIDGE REGISTERED ARCHITECT STATE OF NEVADA

BANK OF NEVADA BUILDING

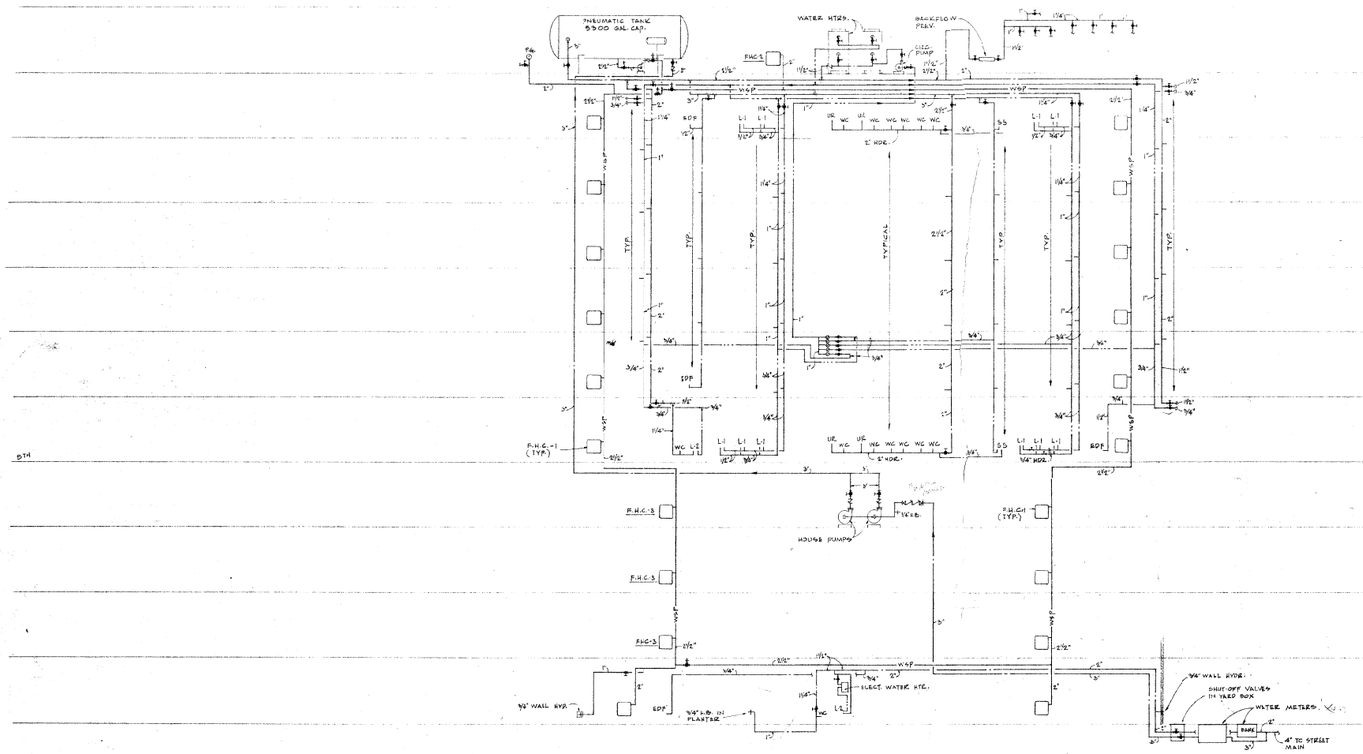
THIRD AND BRIDGER STREET — LAS VEGAS, NEVADA

NO.	DATE	BRIEF DESCRIPTION

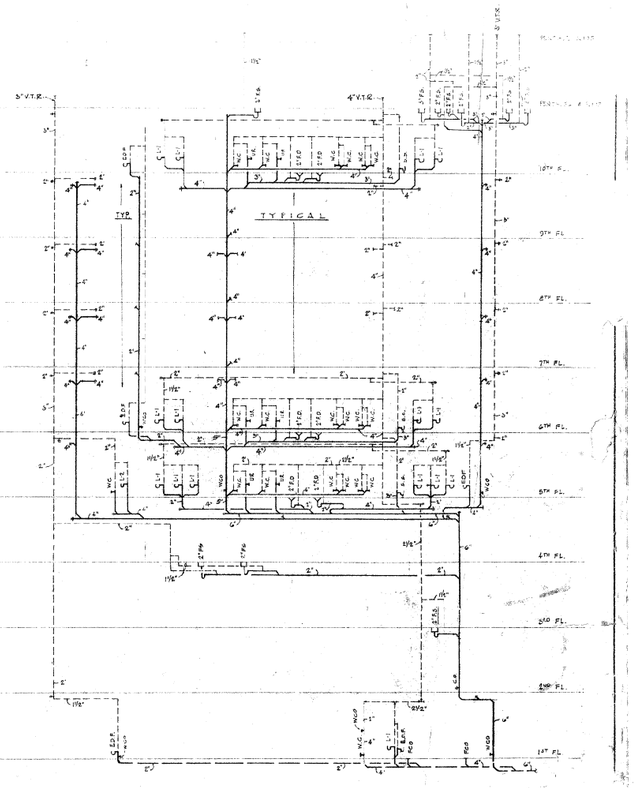
DATE: 5-22-67
DRAWN: A. DUKE
CHECKED: J.M.
APPROVED
DATE:

KENT ATTRIDGE & ASSOCIATES
ARCHITECTS • A. I. A.
LAS VEGAS, NEVADA • LOS ANGELES, CALIF.

SHEET NO. P.4
JOB NO. 1609



A P.5 HOT & COLD WATER AND WET STANDPIPE RISER DIAGRAM
NOT TO SCALE



B P.5 WASTE & VENT RISER DIAGRAM
NOT TO SCALE

THIS SET OF PLANS MUST REMAIN ON THE JOB AT TIMES DURING CONSTRUCTION
CITY OF BUILDING

PLANS APPROVED - MECHANICAL
Approval of Building Division
Date 8/31/65
Mechanical Code - Clark Las Vegas

KENT ATTRIDGE REGISTERED 387 ARCHITECT STATE OF NEVADA

BANK OF NEVADA BUILDING

THIRD BRIDGER STREET LAS VEGAS, NEVADA

REVISIONS	DATE	BRIEF DESCRIPTION

DATE: 5-22-65
DRAWN: A. DUKE & J.M.
CHECKED: J.M.
APPROVED
DATE:

KENT ATTRIDGE & ASSOCIATES
ARCHITECTS · A. I. A.
LAS VEGAS, NEVADA · LOS ANGELES, CALIF.

P.5
JOB NO 103

1609