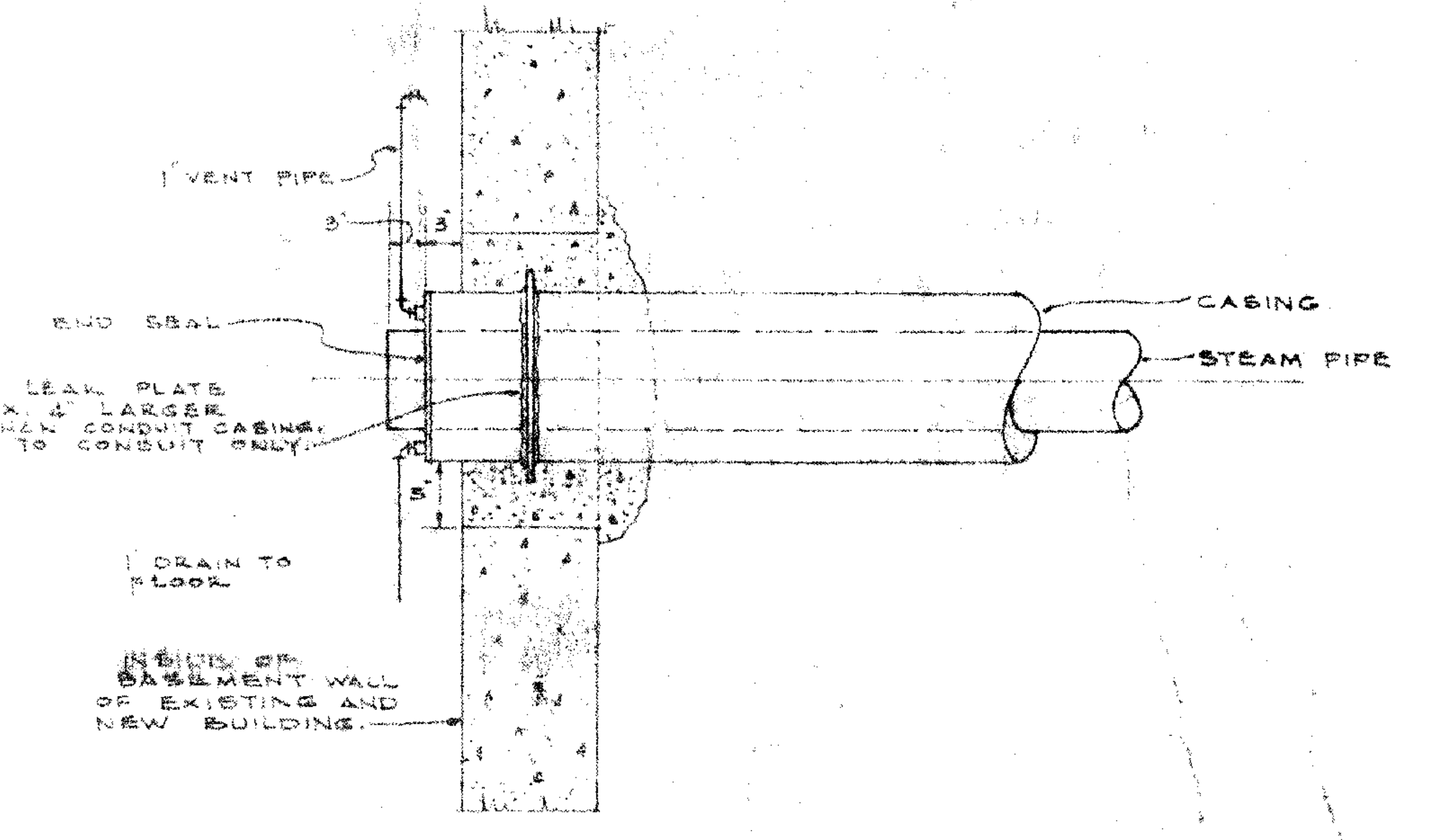
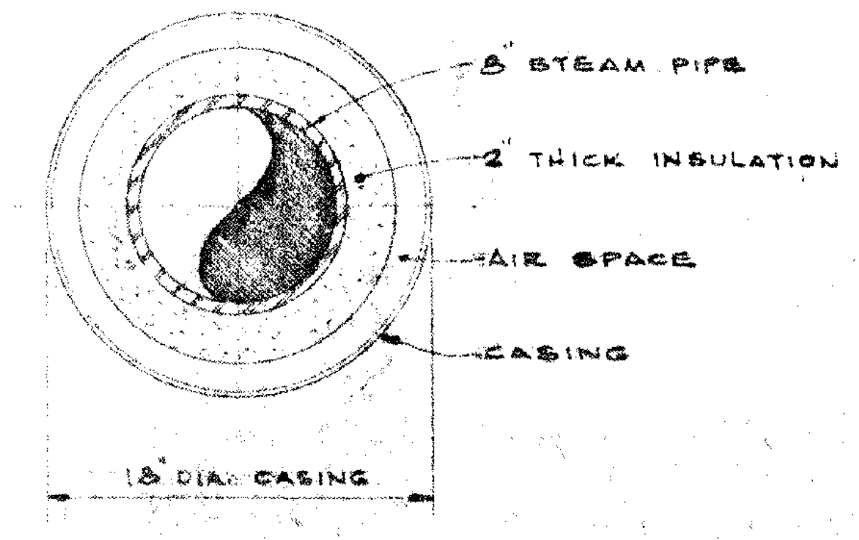

1" VENT PIPE
3"
3"
END SEAL
10 GA. LEAK PLATE APPROX. 4" LARGER O.D. THAN CONDUIT CASING. WELD TO CONDUIT ONLY.
1" DRAIN TO FLOOR
INSIDE OF BASEMENT WALL OF EXISTING AND NEW BUILDING.
CASING
STEAM PIPE

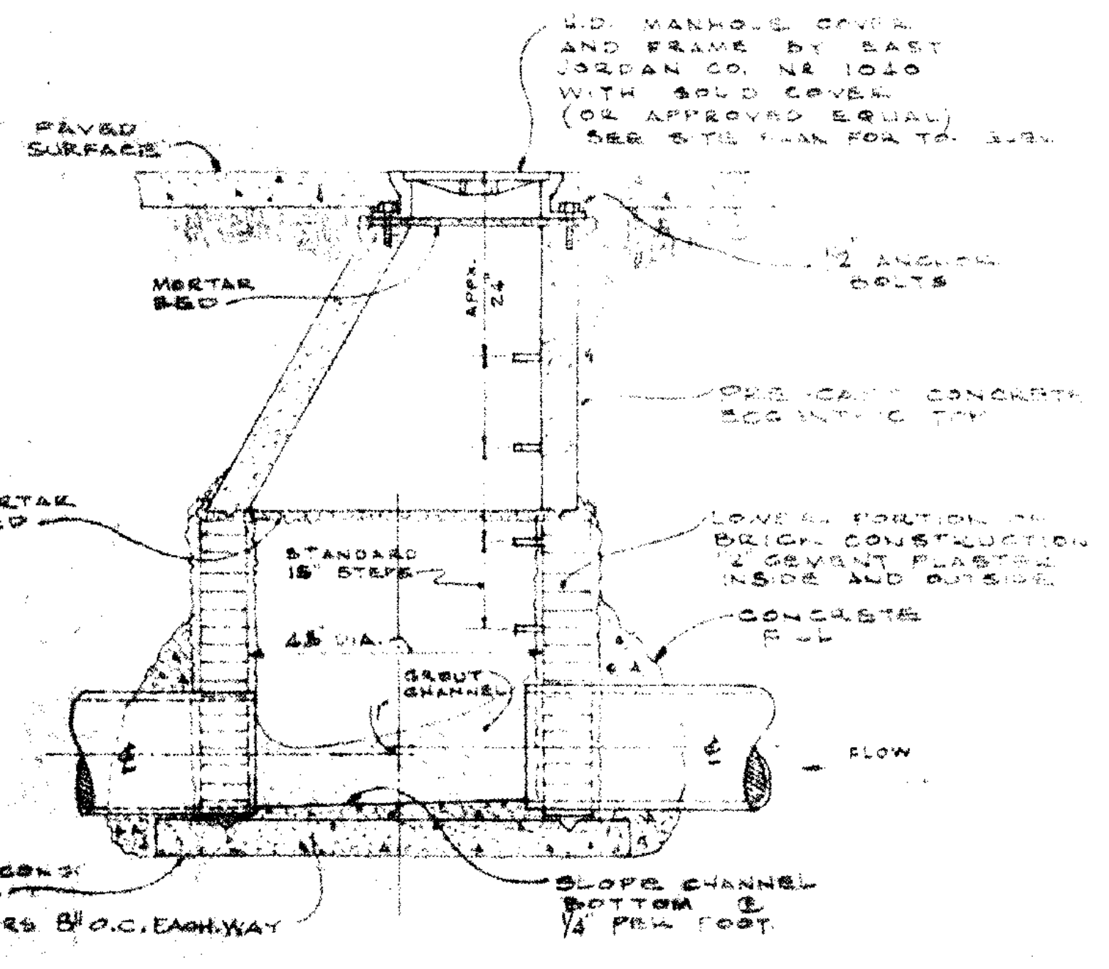
DETAIL OF STEAM SERVICE AT BUILDING WALL

SCALE 3/4"=1'-0"


8" STEAM PIPE
2" THICK INSULATION
AIR SPACE
CASING
18" DIA. CASING

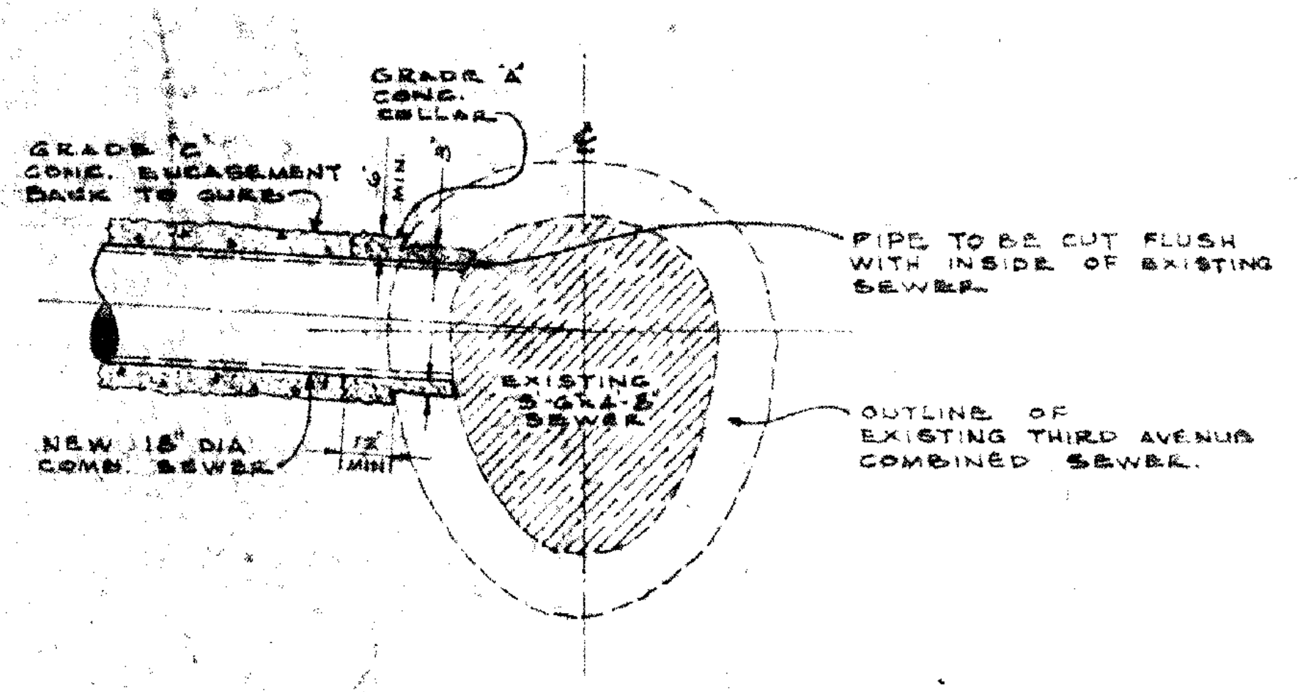
SECTION THRU UNDERGROUND STEAM SERVICE

SCALE 1 1/2"=1'-0


H.D. MANHOLE COVER AND FRAME BY EAST JORDAN CO. No 1040 WITH SOLID COVER (OR APPROVED EQUAL) SEE SITE PLAN FOR TO. ELEV.
PAVED SURFACE
1/2" ANCHOR BOLTS
MORTAR BED
APPX. 24"
PRE-CAST CONCRETE ECCENTRIC TOP
MORTAR BED
STANDARD 15" STEPS
LOWER PORTION OF BRICK CONSTRUCTION WITH 1/2" CEMENT PLASTER INSIDE AND OUTSIDE
48" DIA.
GROUT CHANNEL
CONCRETE FILL
FLOW
C. CONC. BASE
1/2" RE. BARS 8" O.C. EACH WAY
SLOPE CHANNEL BOTTOM @ 1/4" PER FOOT

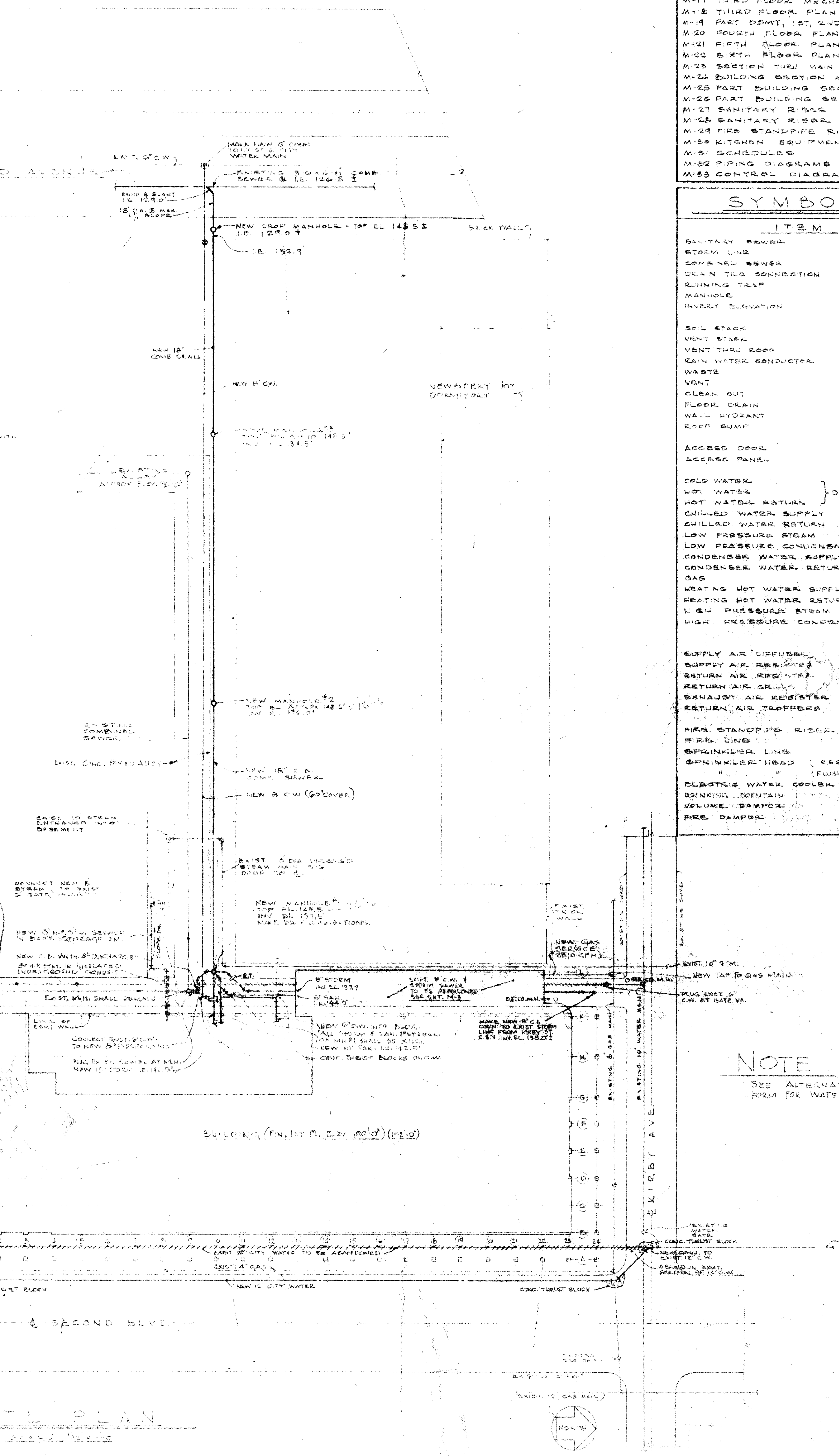
TYPICAL MANHOLE CONSTRUCTION

SCALE 3/8"=1'-0"


GRADE 'A' CONC. COLLAR
GRADE 'C' CONC. ENCASEMENT BACK TO CURB
9" MIN.
℄
PIPE TO BE CUT FLUSH WITH INSIDE OF EXISTING SEWER.
EXISTING 5'-0x4'-5" SEWER
NEW 18" DIA. COMB. SEWER
12" MIN.
OUTLINE OF EXISTING THIRD AVENUE COMBINED SEWER.

SEWER TAP DETAIL

SCALE 3/8"=1'-0"


THIRD AVENUE
EXIST. 6" C.W.
MAKE NEW 8" CONN. TO EXIST. 6" CITY WATER MAIN
EXISTING 3'-0x4'-5" COMB. SEWER @ I.E. 126.5 ±
BEND & SLANT I.E. 129.0'
18" DIA. @ MAX. 1% SLOPE
NEW DROP MANHOLE - TOP EL. 148.5 ± I.E. 129.0 ±
I.E. 132.9'
BRICK WALL
NEW 18" COMB. SEWER
NEW 8" C.W.
NEWBERRY JOY DORMITORY
NEW MANHOLE #3 TOP EL. APPROX. 148.5' INV. EL. 134.5'
EXISTING ALLEY APPROX. ELEV. 96.0
NEW MANHOLE #2 TOP EL. APPROX. 148.5' INV. EL. 136.0'
EXISTING COMBINED SEWER
EXIST. CONC. PAVED ALLEY
NEW 15" DIA. COMB. SEWER
NEW 8" C.W. (60" COVER)
EXIST. 10" STEAM ENTRANCE INTO BASEMENT
EXIST. 10" DIA. UNDERGR'D STEAM MAIN B/G DROP TO ℄
CONNECT NEW 6" STEAM TO EXIST. 6" GATE VALVE
NEW MANHOLE #1 TOP EL. 148.5 INV. EL. 137.5' MAKE DROP CONNECTIONS.
EXIST. FIRE WALL
NEW GAS SERVICE (3510 CFH)
CUT NEW 4" STORM INTO EXIST. COMB.
EXIST. CHATSWORTH APARTMENT BLDG.
EXIST. 6" CITY WATER
NEW 6" H.P. STM. SERVICE IN BASMT. STORAGE RM.
NEW C.B. WITH 8" DISCHARGE
6" H.P. STM. IN INSULATED UNDERGROUND CONDUIT
SLOPE DN.
PROPERTY LINE
EXIST. M.H. SHALL REMAIN
R.T.
8" STORM INV. EL. 137.7
5" SAN. I.E. 144.0'
EXIST. 8" C.W. & STORM SEWER TO BE ABANDONED SEE SHT. M-2
DE.CO.M.H.
EXIST. 10" STM.
NEW TAP TO GAS MAIN
PLUG EXIST. 6" C.W. AT GATE VA.
LINE OF BSMT WALL
CONNECT EXIST. 6" C.W. TO NEW 8" UNDERGROUND
PLUG EXIST. SEWER AT M.H. NEW 15" STORM I.E. 142.5'
NEW 6" C.W. INTO BLDG. ALL STORM & SAN. UPSTREAM OF MH #1 SHALL BE XHG.
NEW 10" SAN. I.E. 142.5'
CONC. THRUST BLOCKS ON C.W.
MAKE NEW 8" C.I. CONN. TO EXIST. STORM LINE FROM KIRBY ST. C.B.'S INV. EL. 138.0 ±
C.O.
MERRICK AVE.
PROPERTY LINE
BUILDING (FIN. 1ST FL. ELEV 100'-0") (152'-0")
K
H
G
F
E
D
C
B
A
EXISTING CURB
EXISTING 6" GAS MAIN
EXISTING 10" WATER MAIN
KIRBY AVE.
ABANDON EXIST. PORTION OF 12" C.W.
CONC. THRUST BLOCK
EXISTING 12" CITY WATER
NEW CONN. TO EXIST. 12" CITY WATER
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
EXIST 12" CITY WATER TO BE ABANDONED
EXIST. 4" GAS
NEW 12" CITY WATER
CONC. THRUST BLOCK
EXISTING WATER GATE
CONC. THRUST BLOCK
EXIST. 12" WATER MAIN
NEW CONN. TO EXIST. 12" C.W.
ABANDON EXIST. PORTION OF 12" C.W.
CONC. THRUST BLOCK
℄ SECOND BLVD.
EXISTING GAS GATE
EXISTING CURB
EXIST. 12" GAS MAIN
NORTH

SITE PLAN

SCALE 1"=20'-0"

NOTE

SEE ALTERNATES IN PROPOSAL FORM FOR WATER & SEWER WORK

DRAWING SCHEDULE

M-1 SITE PLAN
M-2 FOUNDATION PLAN - SOUTH
M-3 FOUNDATION PLAN - NORTH
M-4 BASEMENT PLAN - SOUTH
M-5 BASEMENT PLAN - NORTH
M-6 BASEMENT PLAN SOUTH - FIRE PROTECTION
M-7 BASEMENT PLAN NORTH - FIRE PROTECTION
M-8 BASEMENT KITCHEN PLAN AND DETAILS
M-9 BASEMENT CEILING KITCHEN PLAN AND DETAILS
M-10 FIRST FLOOR PLAN - SOUTH
M-11 FIRST FLOOR PLAN - NORTH
M-12 FIRST FLOOR KITCHEN - PLAN
M-13 SECOND FLOOR PLAN - SOUTH
M-14 SECOND FLOOR PLAN - NORTH
M-15 MEZZANINE PLAN - SOUTH
M-16 MEZZANINE PLAN - NORTH
M-17 THIRD FLOOR MECHANICAL EQUIPMENT ROOM SOUTH
M-18 THIRD FLOOR PLAN - NORTH
M-19 PART BSM'T, 1ST, 2ND, & 3RD FL. KIT. RMS.
M-20 FOURTH FLOOR PLAN
M-21 FIFTH FLOOR PLAN
M-22 SIXTH FLOOR PLAN
M-23 SECTION THRU MAIN DUCT SHAFT
M-24 BUILDING SECTION AT COL. 7
M-25 PART BUILDING SECTION @ COL. 17 - SOUTH
M-26 PART BUILDING SECTION @ COL. 17 - NORTH
M-27 SANITARY RISER DIAGRAM - SOUTH
M-28 SANITARY RISER DIAGRAM - NORTH
M-29 FIRE STANDPIPE RISER DIAGRAM AND HOOD DETAILS
M-30 KITCHEN EQUIPMENT SCHEDULE
M-31 SCHEDULES
M-32 PIPING DIAGRAMS AND DETAILS
M-33 CONTROL DIAGRAMS

SYMBOL LIST

ITEM	ABBREV	SYMBOL
SANITARY SEWER	SAN	———
STORM LINE	STORM	— —
COMBINED SEWER		———
DRAIN TILE CONNECTION	D.T.C.	
RUNNING TRAP	R.T.	
MANHOLE	M.H.	
INVERT ELEVATION	I.E.	
SOIL STACK	S.S.	○
VENT STACK	V.S.	○
VENT THRU ROOF	V.T.R.	
RAIN WATER CONDUCTOR	R.W.C.	— —
WASTE	W	———
VENT	V.	—V—
CLEAN OUT	C.O.	—●
FLOOR DRAIN	F.D.	●
WALL HYDRANT	W.H.	
ROOF SUMP	R.S.	●
ACCESS DOOR	A.D.	
ACCESS PANEL	A.P.	
COLD WATER (DOMESTIC)	C.W.	———
HOT WATER (DOMESTIC)	H.W.	———
HOT WATER RETURN (DOMESTIC)	H.W.R.	———
CHILLED WATER SUPPLY	CH.W.S.	———
CHILLED WATER RETURN	CH.W.R.	———
LOW PRESSURE STEAM	L.P.S.	———
LOW PRESSURE CONDENSATE RETURN	L.P.C.R.	———
CONDENSER WATER SUPPLY	C.W.S.	———
CONDENSER WATER RETURN	C.W.R.	———
GAS	G.	—G—
HEATING HOT WATER SUPPLY	H.H.W.S.	—HHWS—
HEATING HOT WATER RETURN	H.H.W.R.	—HHWR—
HIGH PRESSURE STEAM	H.P.S.	
HIGH PRESSURE CONDENSATE RETURN	H.P.C.R.	— —
SUPPLY AIR DIFFUSER	S.A.D.	
SUPPLY AIR REGISTER	S.A.R.	
RETURN AIR REGISTER	R.A.R.	
RETURN AIR GRILLE	R.A.G.	
EXHAUST AIR REGISTER	E.A.R.	
RETURN AIR TROFFERS	R.A.T.	
FIRE STANDPIPE RISER	F.S.R.	
FIRE LINE	F.L.	—F—
SPRINKLER LINE	S.	———
SPRINKLER HEAD (REGULAR)	—	○
" " (FLUSH TYPE)	—	●
ELECTRIC WATER COOLER	E.W.C.	
DRINKING FOUNTAIN	D.F.	
VOLUME DAMPER	V.D.	
FIRE DAMPER	F.D.	

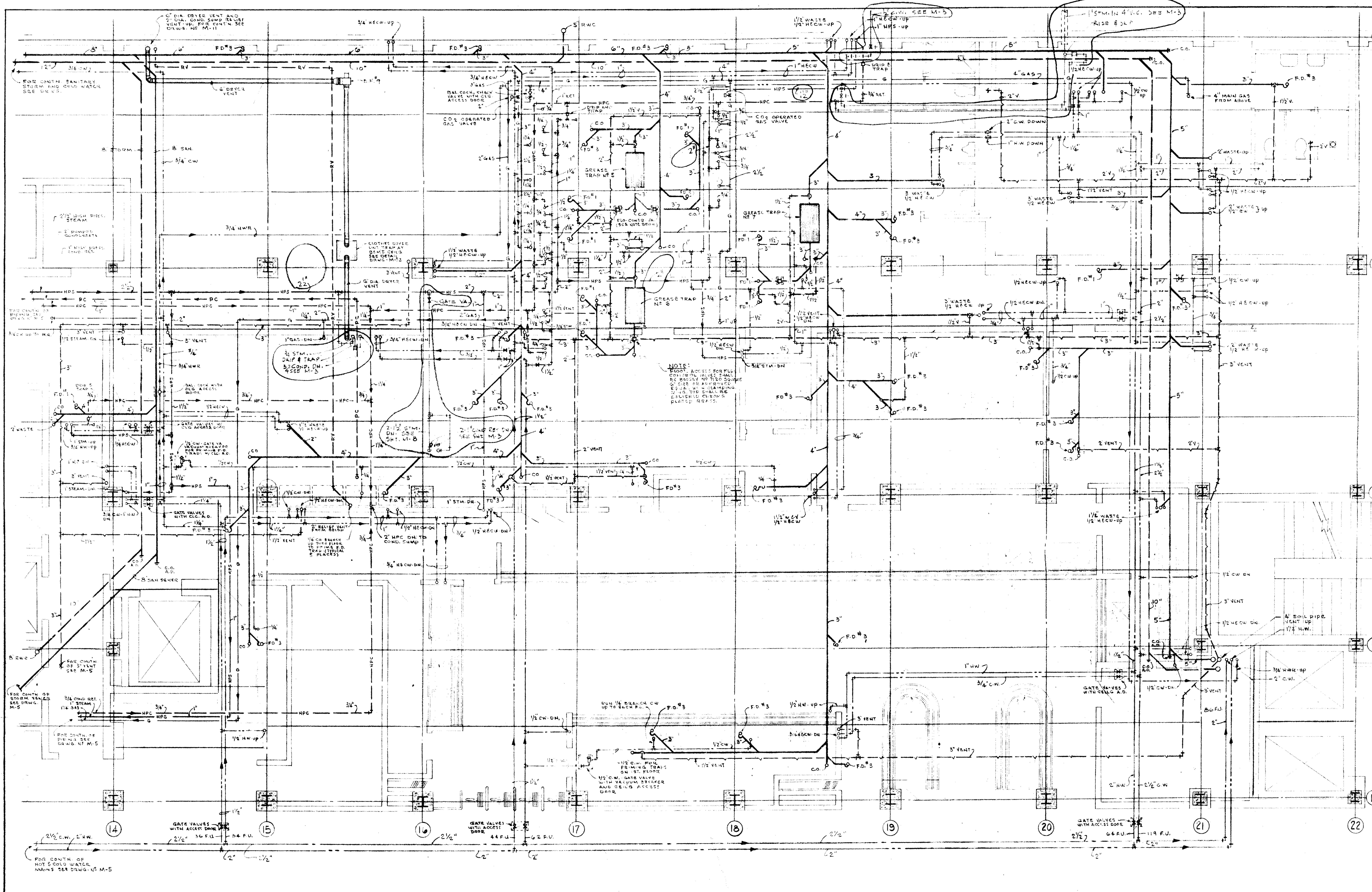
SITE PLAN
SCALE 1"=20'-0"
DATE 6 MAY 196[illegible]

UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

ALDEN B. DOW ASSOCIATES INC. — ARCHITECT — MIDLAND, MICHIGAN
ROBERT J. DAVIS — STRUCTURAL ENGINEER — DETROIT, MICHIGAN
HYDE & BOBBIO INC — MECHANICAL ENGINEER — DETROIT, MICHIGAN
D.C. OSTERHELD — FOOD SERVICE CONSULTANT — MADISON, WISCONSIN

REVISIONS

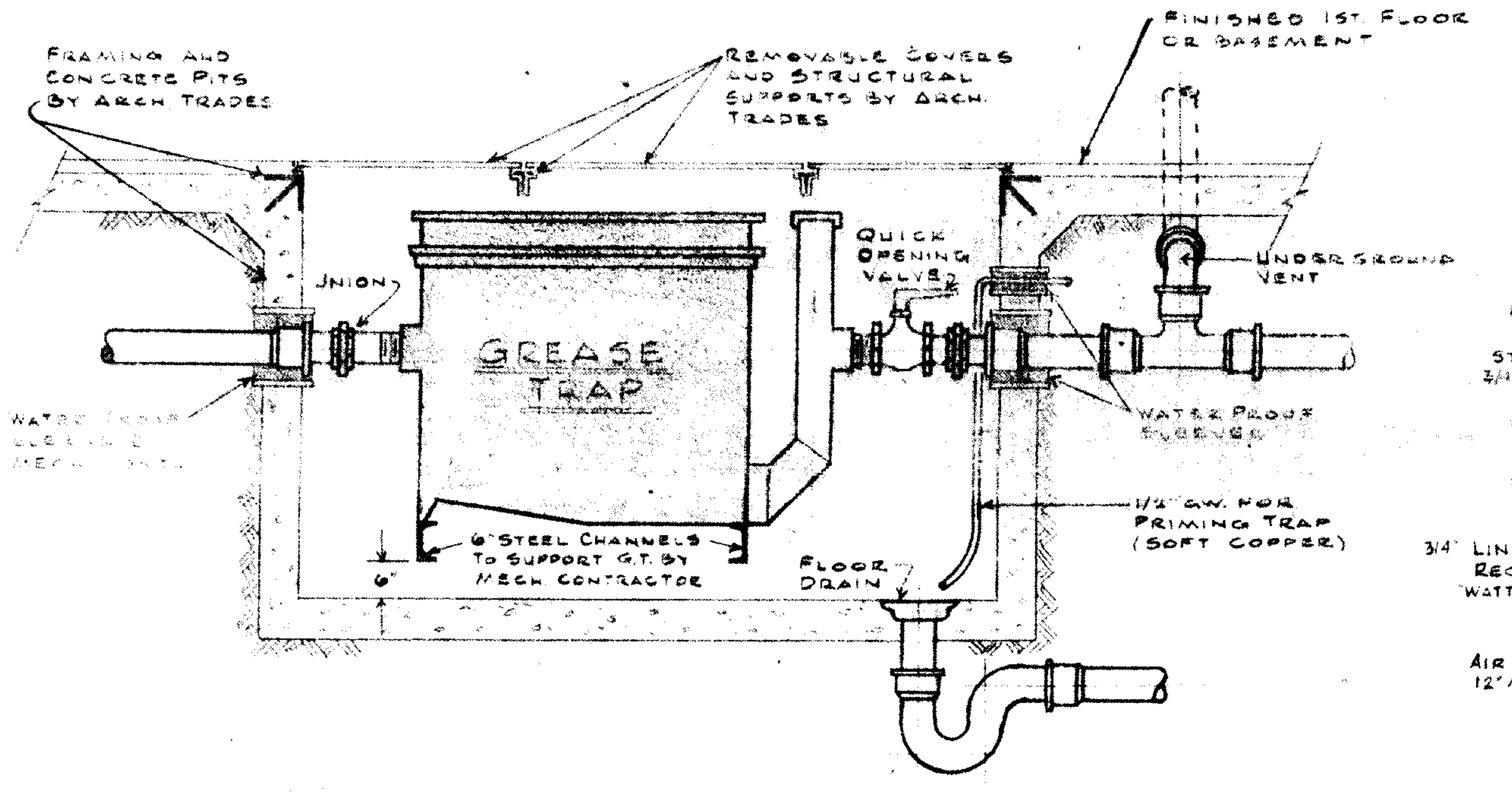
M-1


K
H
G
F
E
14
15
16
17
18
19
20
21
22
GREASE TRAP Nº 5
GREASE TRAP Nº 6
GREASE TRAP Nº 7
FOR CONTN. OF HOT & COLD WATER MAINS SEE DRWG. Nº M-5
FOR CONTN. OF STORM SEWER SEE DRWG. M-5
8" SAN SEWER
GATE VALVES WITH ACCESS DOOR
4" MAIN GAS FROM ABOVE
CO2 OPERATED GAS VALVE
4" SOIL PIPE VENT UP

NOTE:
FLOOR ACCESS FOR FLOW CONTROL VALVES SHALL BE BAGGBY Nº 7120 SQUARE 6" SIZE OR APPROVED EQUAL W/ 4 CLAMPING RING. TOP SHALL BE POLISHED CHROME PLATED BRASS.

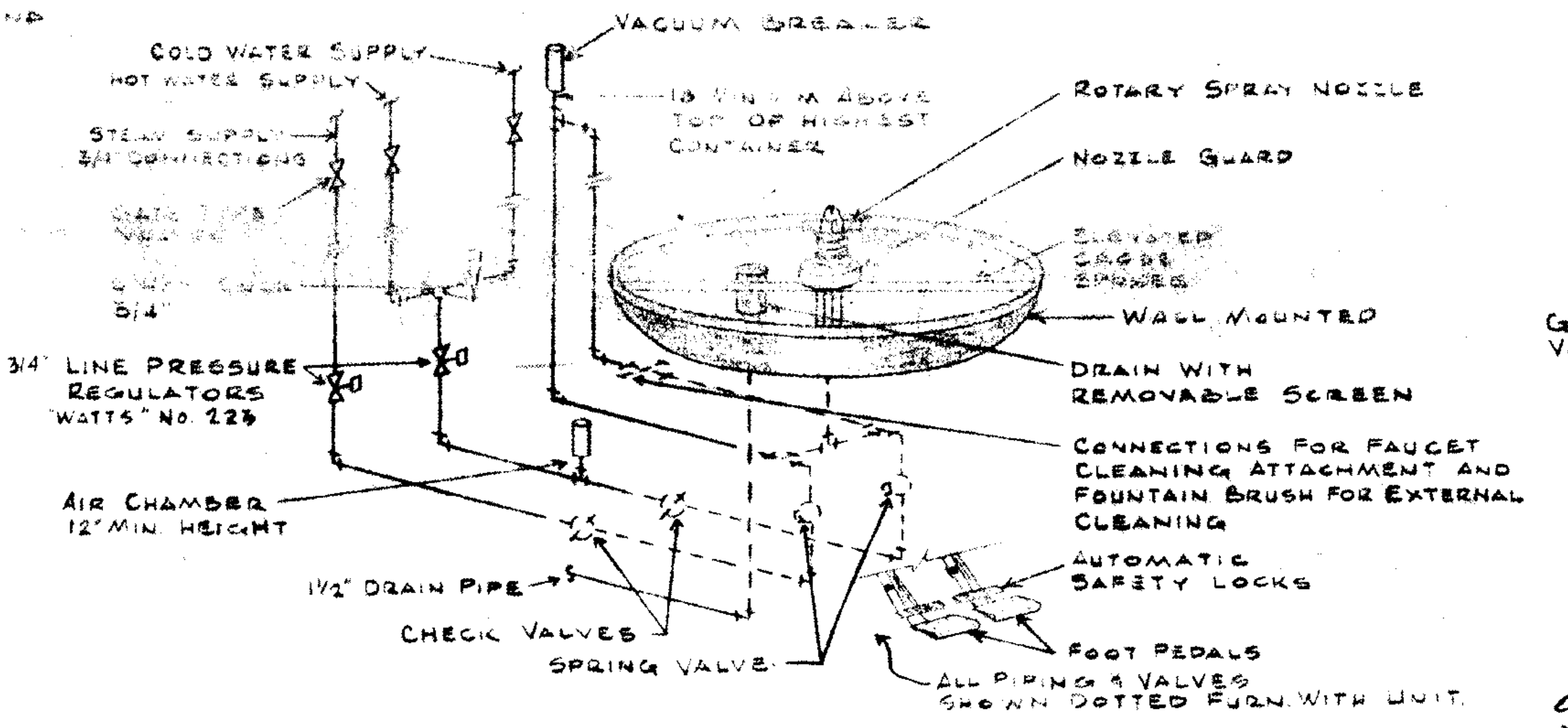
PLAN OF BASEMENT CEILING SPACE SHOWING PLUMBING LINES SERVING BASEMENT & FIRST FLOOR KITCHENS

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


FRAMING AND CONCRETE PITS BY ARCH. TRADES
REMOVABLE COVERS AND STRUCTURAL SUPPORTS BY ARCH. TRADES
FINISHED 1ST. FLOOR OR BASEMENT
UNION
GREASE TRAP
QUICK OPENING VALVE
UNDERGROUND VENT
WATER PROOF SLEEVES
6" STEEL CHANNELS TO SUPPORT G.T. BY MECH. CONTRACTOR
6"
FLOOR DRAIN
1/2" C.W. FOR PRIMING TRAP (SOFT COPPER)

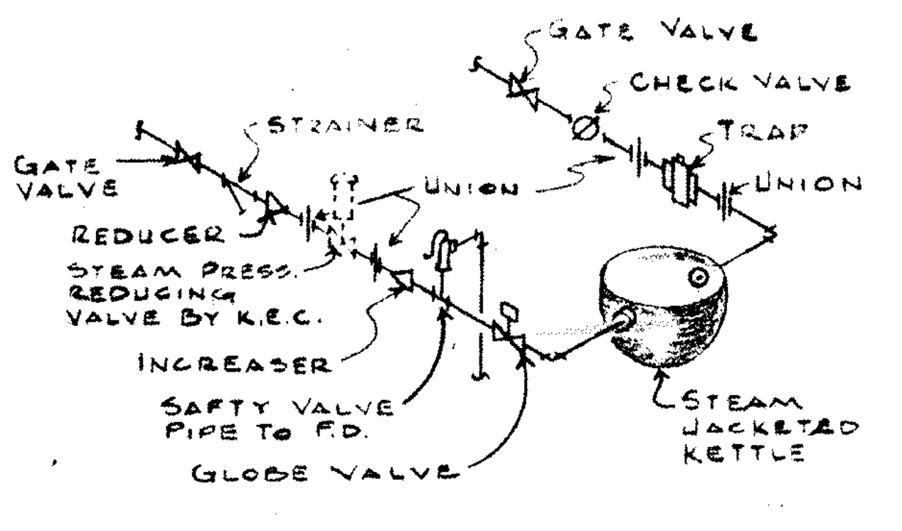
GREASE TRAP NO. 1 (G.T. #2-3 & 4 SIMILAR)

NO SCALE


VACUUM BREAKER
COLD WATER SUPPLY
HOT WATER SUPPLY
STEAM SUPPLY 3/4" CONNECTIONS
18" MIN. ABOVE TOP OF HIGHEST CONTAINER
ROTARY SPRAY NOZZLE
NOZZLE GUARD
ELEVATED CAGGE SPOKES
WALL MOUNTED
DRAIN WITH REMOVABLE SCREEN
3/4" LINE PRESSURE REGULATORS "WATTS" No. 223
CONNECTIONS FOR FAUCET CLEANING ATTACHMENT AND FOUNTAIN BRUSH FOR EXTERNAL CLEANING
AIR CHAMBER 12" MIN. HEIGHT
AUTOMATIC SAFETY LOCKS
1½" DRAIN PIPE
CHECK VALVES
FOOT PEDALS
SPRING VALVE
ALL PIPING & VALVES SHOWN DOTTED FURN. WITH UNIT.

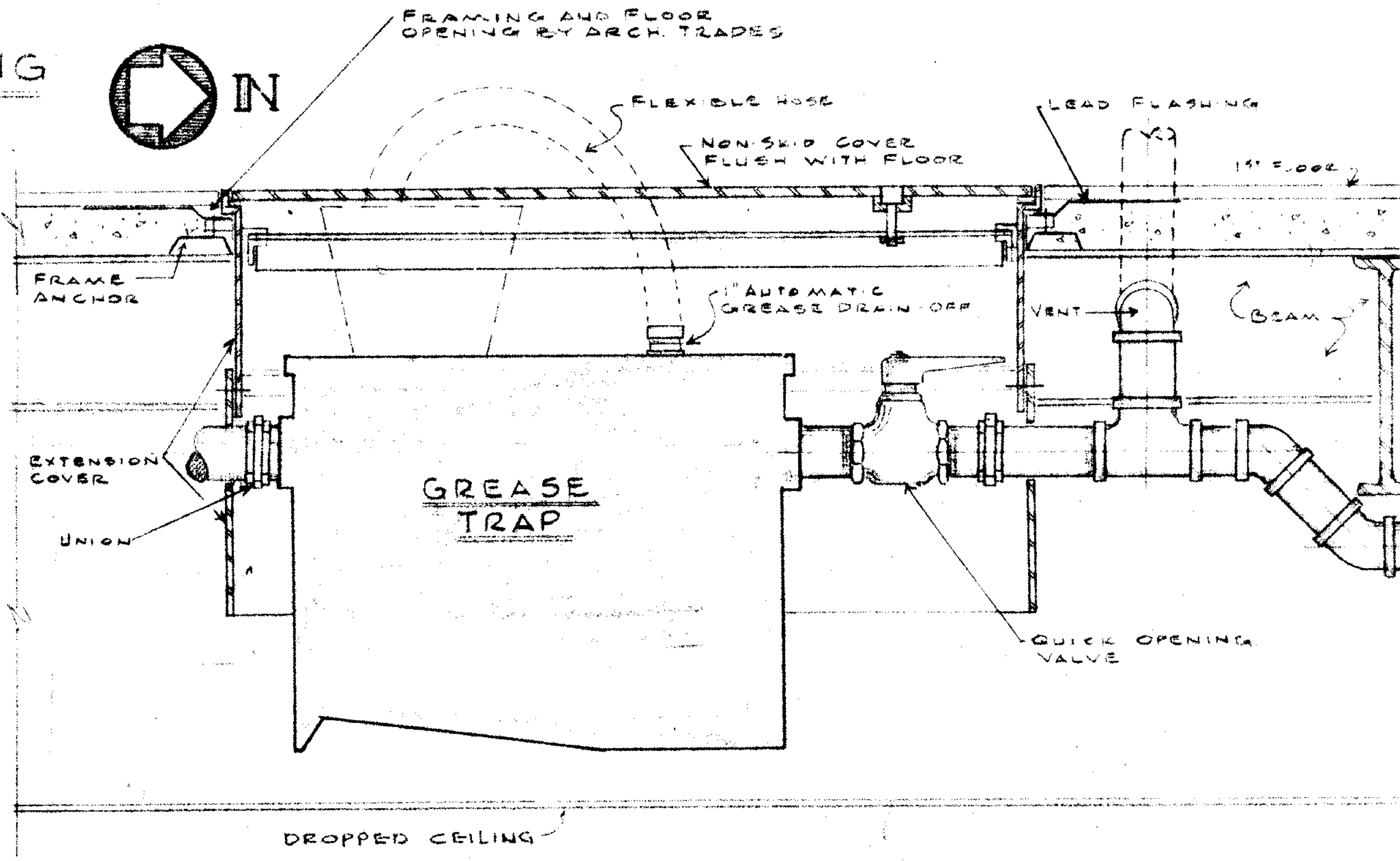
SCHEMATIC DIAGRAM OF PIPING CONN'S TO "AER-VOID" CAN WASHER

(ITEM Nº K-12) NO SCALE


GATE VALVE
CHECK VALVE
STRAINER
TRAP
GATE VALVE
UNION
UNION
REDUCER
STEAM PRESS. REDUCING VALVE BY K.E.C.
INCREASER
SAFTY VALVE PIPE TO F.D.
STEAM JACKETED KETTLE
GLOBE VALVE

SCHEMATIC DIAGRAM SHOWING TYPICAL STEAM & CONDENSATE PIPING CONN'S TO STEAM JACKETED KETTLE

(OTHER EQUIP. SIMILAR)


FRAMING AND FLOOR OPENING BY ARCH. TRADES
FLEXIBLE HOSE
NON-SKID COVER FLUSH WITH FLOOR
LEAD FLASHING
1ST FLOOR
FRAME ANCHOR
1" AUTOMATIC GREASE DRAIN-OFF
VENT
BEAM
EXTENSION COVER
UNION
GREASE TRAP
QUICK OPENING VALVE
DROPPED CEILING

GREASE TRAPS #5-6 & 7 FOR 1ST FLOOR KITCHEN

NO SCALE

IN

BASEMENT CEILING
KITCHEN PLAN AND DETAILS
SCALE: 1/4" = 1'-0" DATE: 6 MAY 1966

UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

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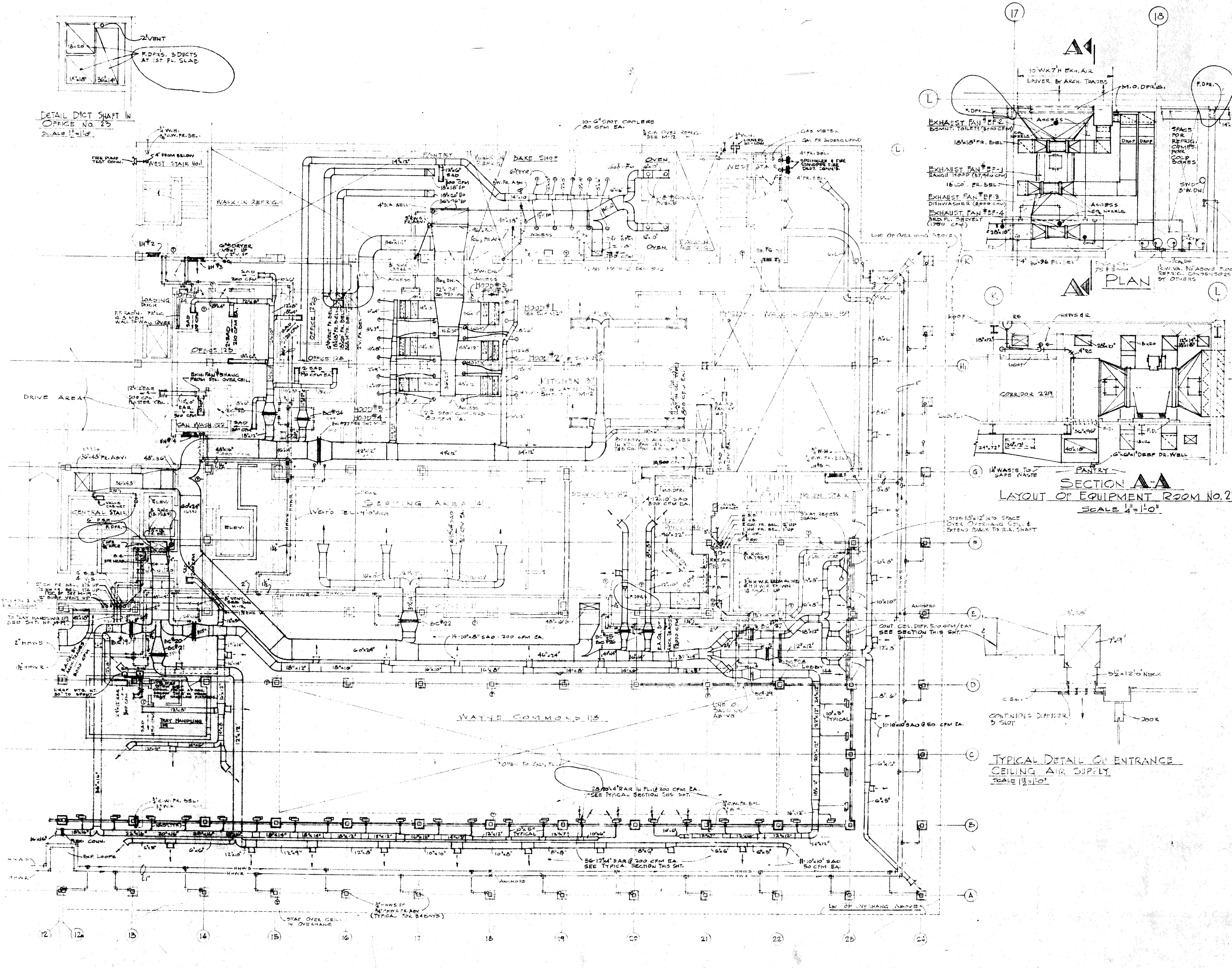
D.C. OSTERHELD — FOOD SERVICE CONSULTANT — MADISON, WISCONSIN

BULLETIN NO. 24 DEC. 9. 66
REVISIONS

DR. D.B.C.
CK. JPY
APP. JSB

M 9


2" VENT
F. DPRS. 3 DUCTS AT 1ST. FL. SLAB
18x20
18"x18"
36"x14"
¾" W.H.
¾" C.W. FR. BEL.
FIRE PUMP TEST CONN.
4" FROM BELOW
WEST STAIR No. 1
WALK-IN REFRIG.
UH #2
UH #3
6" DRYER VENT UP
2" V. UP
SAD 200 CFM
LOADING DOCK
OFFICE 125
OFFICE 123
OFFICE 128
EXH. FAN & HANG FROM STR. OVER CEIL.
DRIVE AREA
CAN WASH 127
UH #4
PANTRY
WALK-IN REFRIG.
BAKE SHOP
10-6" SPOT COOLERS 80 CFM EA.
¾" C.W. OVER REFRIG. SEE M-12
GAS METER
GAS FR. UNDERGROUND
4" SPRINKLER & FIRE STANDPIPE FIRE DEPT. CONN'S.
OVEN
OVEN
WEST STAIR
WALK-IN REFRIG.
DISH MACHINE EXH.
4" DIA. WELL
HOOD #1 SEE SHT. M-12
HOOD #2
HOOD #3
HOOD #4
HOOD #5
22 SPOT COOLERS 80 CFM EA.
KITCHEN 137 SEE LAYOUT ON SHT. M-12
SALAD PANTRY 140
WALK-IN COOLER 139
LINE OF OVERHANG ABOVE
BORROWED AIR GRILLES IN KITCHEN PAN CEIL.
10,500 CFM
SERVING AREA 141
VENT'D BEL. 4'-0" HIGH
SERVING RM. 142
4-12"x10" SAO 300 CFM EA.
VALVE CABINET
CENTRAL STAIR
ELEV.
BC #19
BC #20
BC #21
BC #22
BC #24
BC #25
TRAY HANDLING 119
14-10"x8" SAO - 200 CFM EA.
60"x24"
46"x24"
18"x12"
18"x10"
16"x8"
WAYNE COMMONS 118
LOBBY
LINE OF BALCONY ABOVE
OPEN TO BASEMENT
10"x8" TYPICAL
10-10"x10" SAO @ 50 CFM EA.
28-20"x4" RAR IN FL. @ 200 CFM EA. SEE TYPICAL SECTION THIS SHT.
36-12"x4" SAR @ 200 CFM EA. SEE TYPICAL SECTION THIS SHT.
11-10"x10" SAO 50 CFM EA.
STUB 18"x12" INTO SPACE OVER OVERHANG CEIL. & EXTEND BACK TO R.A. SHAFT
CONT. CEIL. DIFF. 500 CFM/BAY SEE SECTION THIS SHT.
EXP. LOOPS
FLEX. CONN.
HHWS
HHWR
ANCHORS
¾" HHWS UP ¾" HHWR FR. ABV. (TYPICAL FOR 24 BAYS)
STAIR OVER CEIL. IN OVERHANG
LINE OF OVERHANG ABOVE
FOR CONTINUATION SEE SHT. NO. M-9
A
B
C
D
E
F
G
H
K
L
12
12a
13
14
15
16
17
18
19
20
21
22
23
24
NORTH
10'W x 7'H EXH. AIR LOUVER BY ARCH. TRADES
M.O. DPR'S.
F. DPR.
EXHAUST FAN #EF-2 BSMNT. TOILETS (3000 CFM)
18"x18" FR. BEL.
EXHAUST FAN #EF-1 RANGE HOOD (37,940 CFM)
18"x20" FR. BEL.
EXHAUST FAN #EF-3 DISHWASHER (8,000 CFM)
EXHAUST FAN #EF-4 3RD. FL. SERVERY (1750 CFM)
ACCESS
CO2 NOZZLE
DROP
SPACE FOR REFRIG. COMPS. FOR COLD BOXES
SWD 5" W. DN.
14"x12"
28"x10"
36"x96 FR. BEL.
5-CO2 CYL. 75 # EACH
1" CO2 DN.
1" C.W. VA. 36" ABOVE FLOOR REFRIG. CONDENSORS BY OTHERS
ROOF
RS
HHWS & R
LIGHT
CORRIDOR 229
2ND. FL.
F.D.
36"x96"
24"x72"
36"x12"
40"x18"
18x20
6"x6"x1" DEEP DR. WELL
1½" WASTE TO SAFE WASTE
PANTRY
3"x48"
7"x9"
5½"x12'-0" NECK
CEIL.
CONTINUOUS DIFFUSER 3 SLOT
DOOR

DETAIL DUCT SHAFT IN OFFICE NO. 23
SCALE 1½"=1'-0"

A PLAN

SECTION A-A
LAYOUT OF EQUIPMENT ROOM NO. 225
SCALE ¼"=1'-0"

TYPICAL DETAIL OF ENTRANCE CEILING AIR SUPPLY
SCALE 1½"=1'-0"

FIRST FLOOR PLAN - NORTH
SCALE 1/8"=1'-0"

CONSTRUCTION REVISION AUG. 30 1957
REVISIONS
DR.
CH.
AP.

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT MIDLAND, MICHIGAN
ROBERT J. DAVIS STRUCTURAL ENGINEER DETROIT, MICHIGAN
HYDE & BOBBIO, INC. MECHANICAL ENGINEER DETROIT, MICHIGAN
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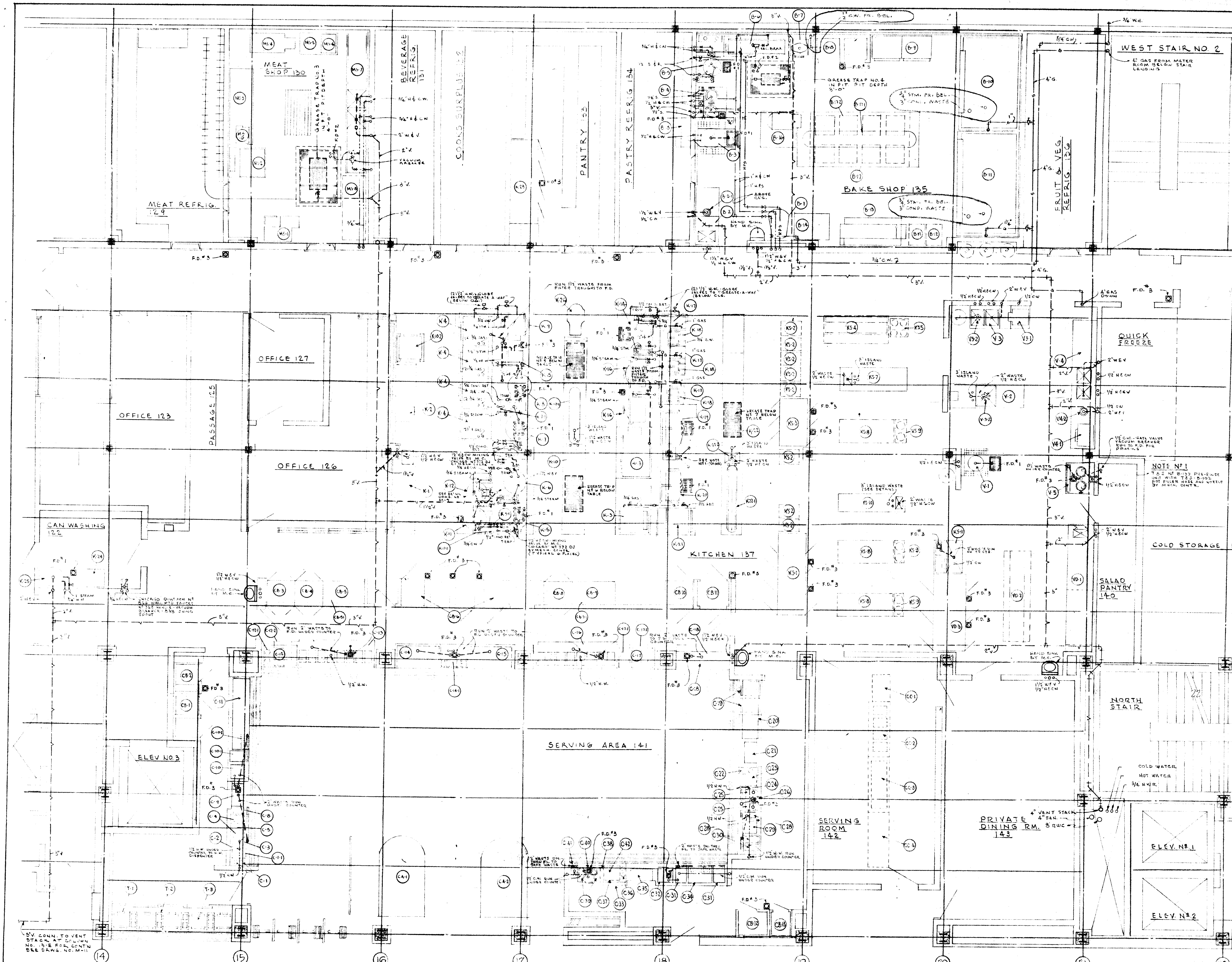
DETROIT MICHIGAN

FIRST FLOOR PLAN (NORTH)
SCALE 1/8"=1'-0" DATE MAY


WEST STAIR NO. 2
4" GAS FROM METER ROOM BELOW STAIR LANDING
3/4 W.H.
MEAT SHOP 130
MEAT REFRIG. 129
BEVERAGE REFRIG. 131
GOODS SURPLUS 132
PANTRY 133
PASTRY REFRIG. 134
BAKE SHOP 135
FRUIT & VEG REFRIG 136
GREASE TRAP NO. 4 IN PIT PIT DEPTH 3'-0"
3/4 STM. PR. BEL. 3" COND. WASTE
HAND SINK BY M.C.
OFFICE 127
OFFICE 123
PASSAGE 125
OFFICE 126
CAN WASHING 122
KITCHEN 137
QUICK FREEZE
NOTE Nº 1
T & S Nº B-133 PRE-RINSE UNIT WITH T&S-B-102 POT FILLER HOSE AND NOZZLE BY MECH. CONTR.
1/2" C.W. - GATE VALVE VACUUM BREAKER RUN TO F.D. FOR PRIMING
COLD STORAGE 139
SALAD PANTRY 140
NORTH STAIR
SERVING AREA 141
SERVING ROOM 142
PRIVATE DINING RM. 143
ELEV NO. 3
ELEV. Nº 1
ELEV. Nº 2
COLD WATER
HOT WATER
3/4 H.W.R.
4" VENT STACK
4" SAN.
5" V. CONN. TO VENT STACK AT COLUMN NO. 13-E FOR CONTIN. SEE DWG. NO. M-11
L
K
H
G
F
E
14
15
16
17
18
19
20
21
2
N

FIRST FLOOR KITCHEN PLAN — (PLUMBING)

SCALE 1/4"=1'-0"

DR. DRC
CK. JPY
APP. JSB

BULLETIN NO. 26 DEC. 6, 66

REVISIONS

ALDEN B. DOW ASSOCIATES, INC. – ARCHITECT MIDLAND, MICHIGAN
ROBERT J. DAVIS STRUCTURAL ENGINEER DETROIT, MICHIGAN
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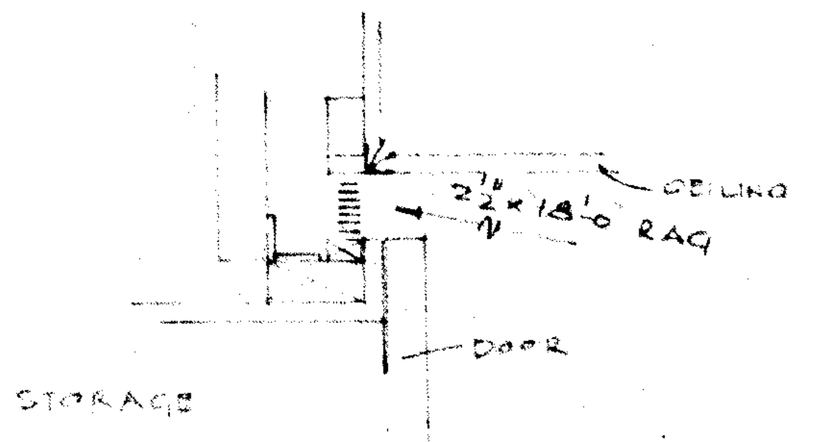
UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

FIRST FLOOR
KITCHEN PLAN
SCALE: 1/4"=1'-0"
DATE: 6 MAY 1966

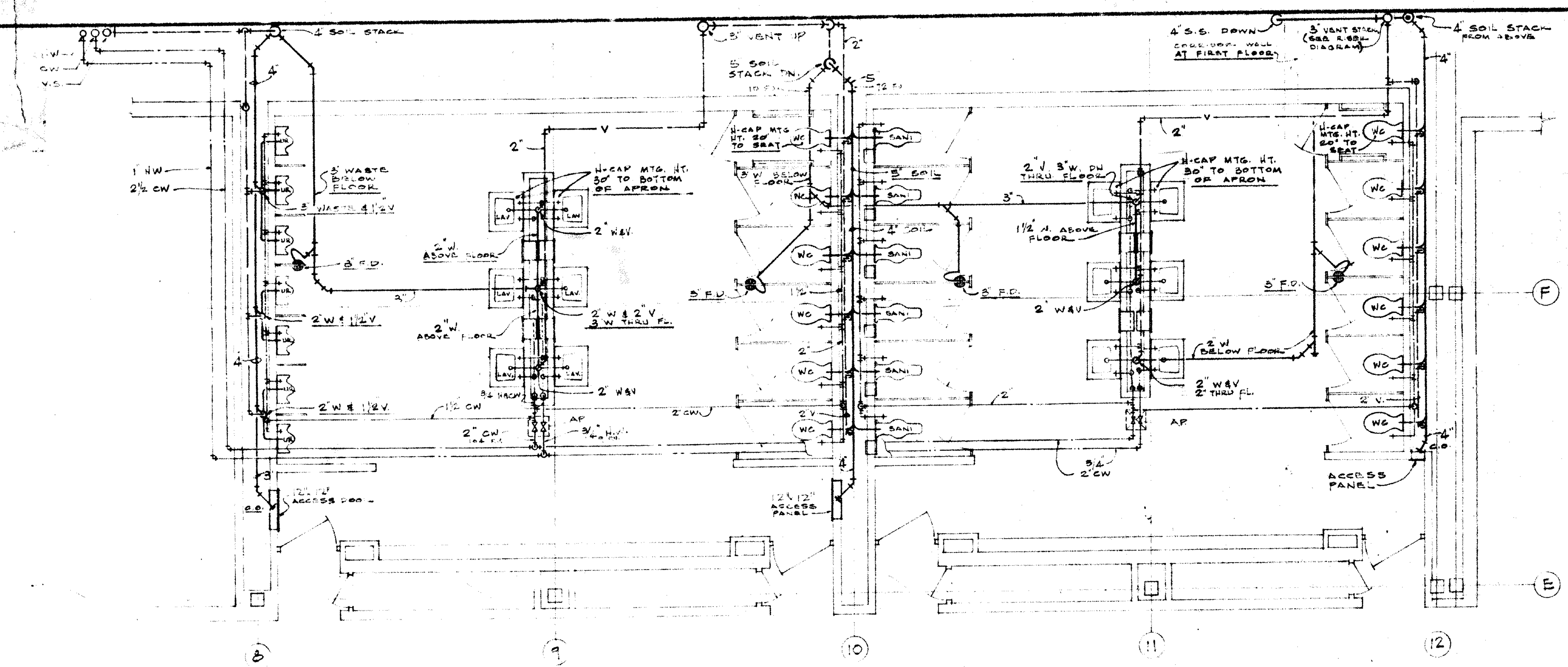
M
12



2½"x 18"@ RAG
CEILING
DOOR
STORAGE

TYPICAL DETAIL R.A.G. IN HILBERRY LOUNGE 202

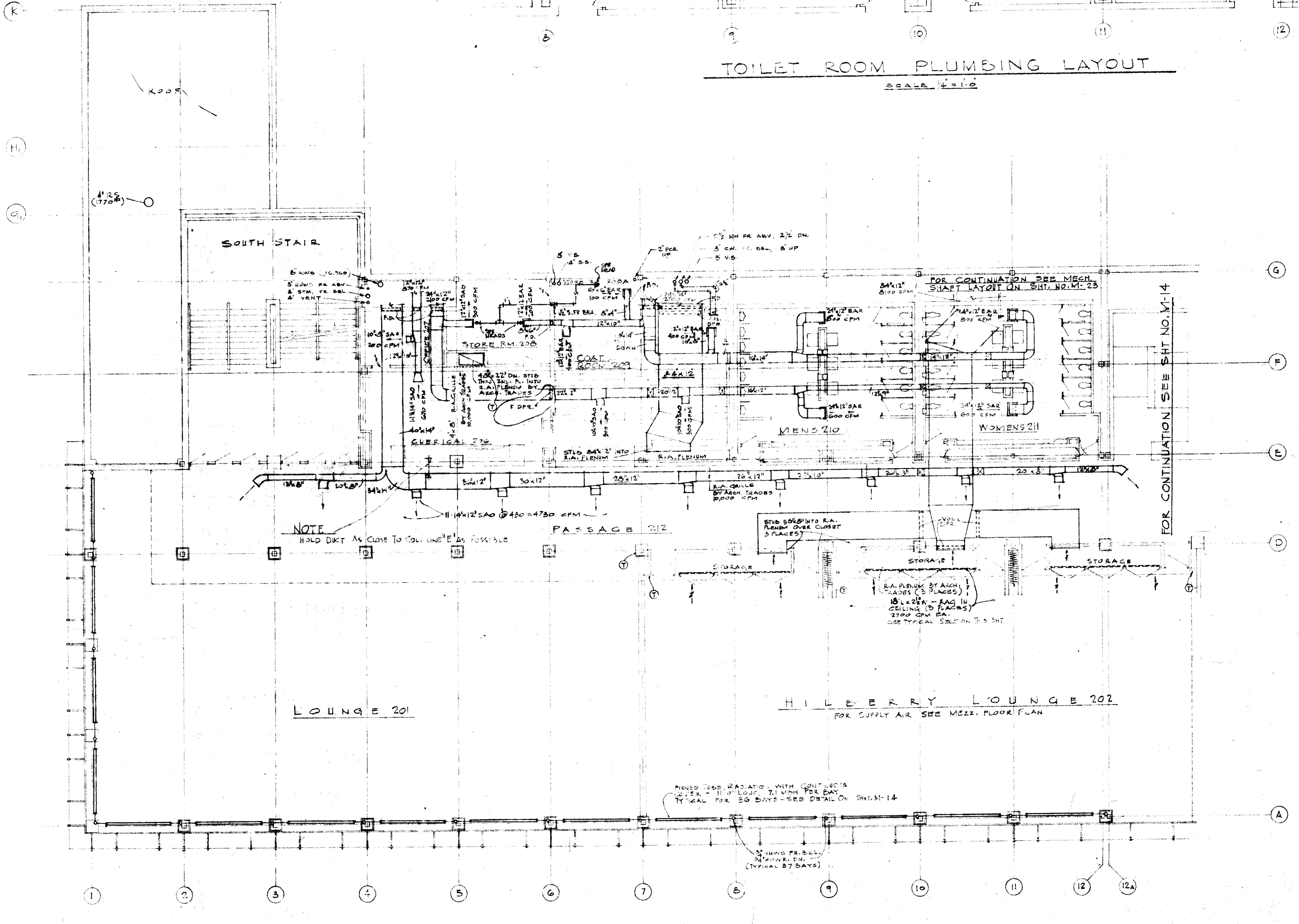
SCALE 1½"=1'-0"



4" SOIL STACK
5" VENT UP
5" SOIL STACK DN.
4" S.S. DOWN
AT FIRST FLOOR
3" VENT STACK
4" SOIL STACK FROM ABOVE
1" HW
2½" CW
3" WASTE BELOW FLOOR
3" F.D.
2" W ABOVE FLOOR
2" W&V
2" W & 1½" V
2" W & 2" V 3" W THRU FL.
H-CAP MTG. HT. 30" TO BOTTOM OF APRON
H-CAP MTG. HT. 20" TO SEAT
1½" A. ABOVE FLOOR
2" V 3" W. DN THRU FLOOR
3" W BELOW FLOOR
2" W&V 2" THRU FL.
LAV
SAN
WC
AP
ACCESS PANEL
12"x12" ACCESS PANEL
8
9
10
11
12
F
E

TOILET ROOM PLUMBING LAYOUT

SCALE ¼"=1'-0"



K
H
G
F
E
D
A
ROOF
4" RS (770#)
SOUTH STAIR
STORE RM. 208
COAT ROOM 209
CLERICAL 206
MENS 210
WOMENS 211
PASSAGE 212
STORAGE
LOUNGE 201
HILBERRY LOUNGE 202
FOR SUPPLY AIR SEE MEZZ. FLOOR PLAN
FOR CONTINUATION SEE MECH. SHAFT LAYOUT ON SHT. NO. M-23
FOR CONTINUATION SEE SHT NO. M-14
NOTE
HOLD DUCT AS CLOSE TO COL. LINE "E" AS POSSIBLE
11-14"x12" SAO @ 430 = 4730 CFM
R.A. GRILLE BY ARCH. TRADES 10,000 CFM
STUB 54"x6" INTO R.A. PLENUM OVER CLOSET 3 PLACES
R.A. PLENUM BY ARCH. TRADES (3 PLACES)
18"x24" R.A.G. IN CEILING (3 PLACES) 2700 CFM EA.
SEE TYPICAL SECT. ON THIS SHT.
R.A. PLENUM
FINNED TUBE RADIATION WITH CONTINUOUS COVER - 11'-0" LONG, 7.1 MBH PER BAY.
TYPICAL FOR 36 BAYS - SEE DETAIL ON SHT. M-14
3/4" HWS FR. BEL.
3/4" HWR. DN.
(TYPICAL 37 BAYS)
1
2
3
4
5
6
7
8
9
10
11
12
12A

SECOND FLOOR PLAN - SOUTH

SCALE ⅛"=1'-0"

NORTH

SECOND FLOOR PLAN (SOUTH)

SCALE: ⅛"=1'-0" DATE: 6 MAY [illegible]

UNIVERSITY CENTER BUILDING

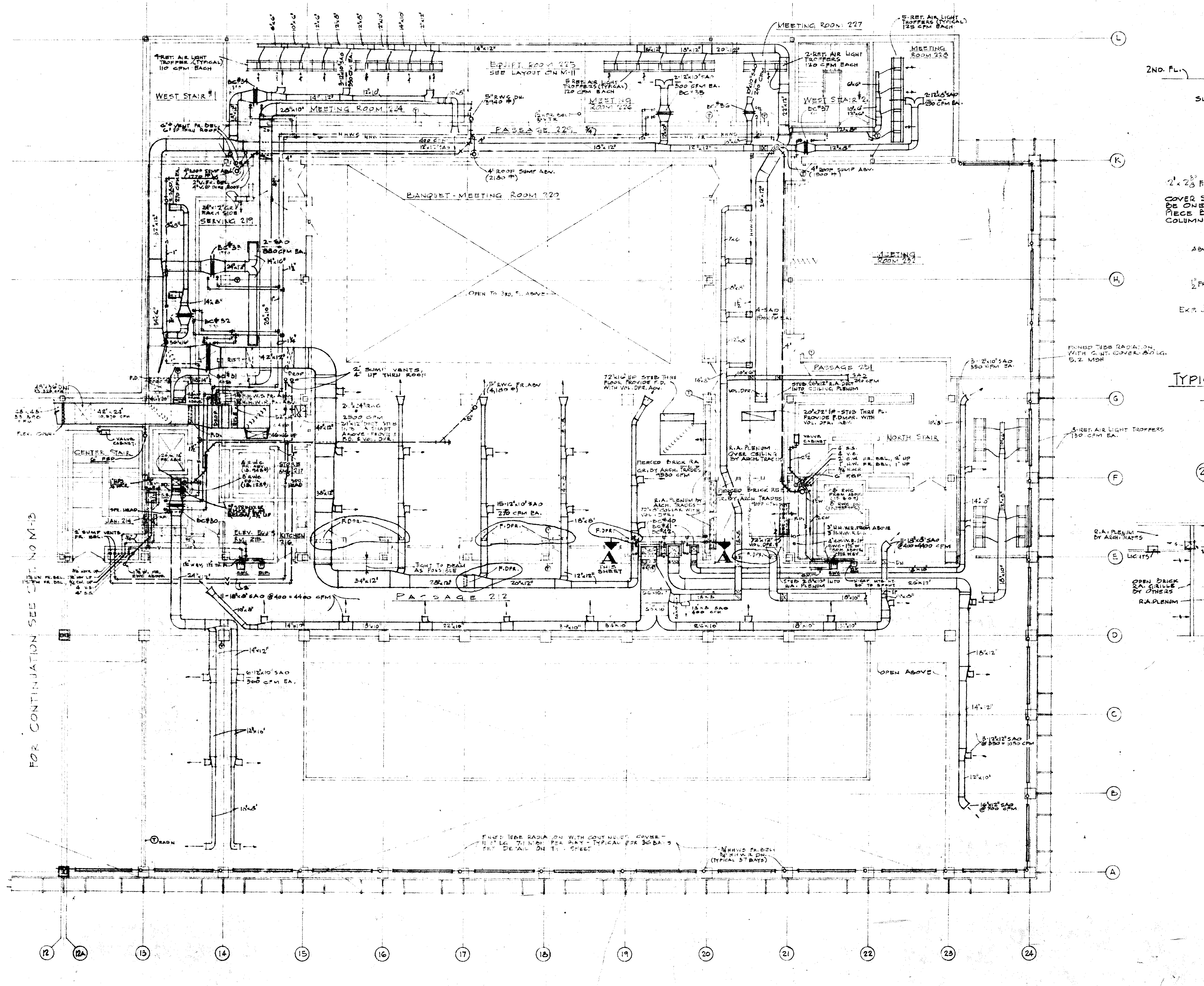
WAYNE STATE UNIVERSITY

DETROIT MICHIGAN

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT — MIDLAND, MICHIGAN
ROBERT J. DAVIS — STRUCTURAL ENGINEER — DETROIT, MICHIGAN
HYDE & BOBBIO, INC. — MECHANICAL ENGINEER — DETROIT, MICHIGAN
D.C. OSTERHELD — FOOD SERVICE CONSULTANT — MADISON, WISCONSIN

REVISIONS

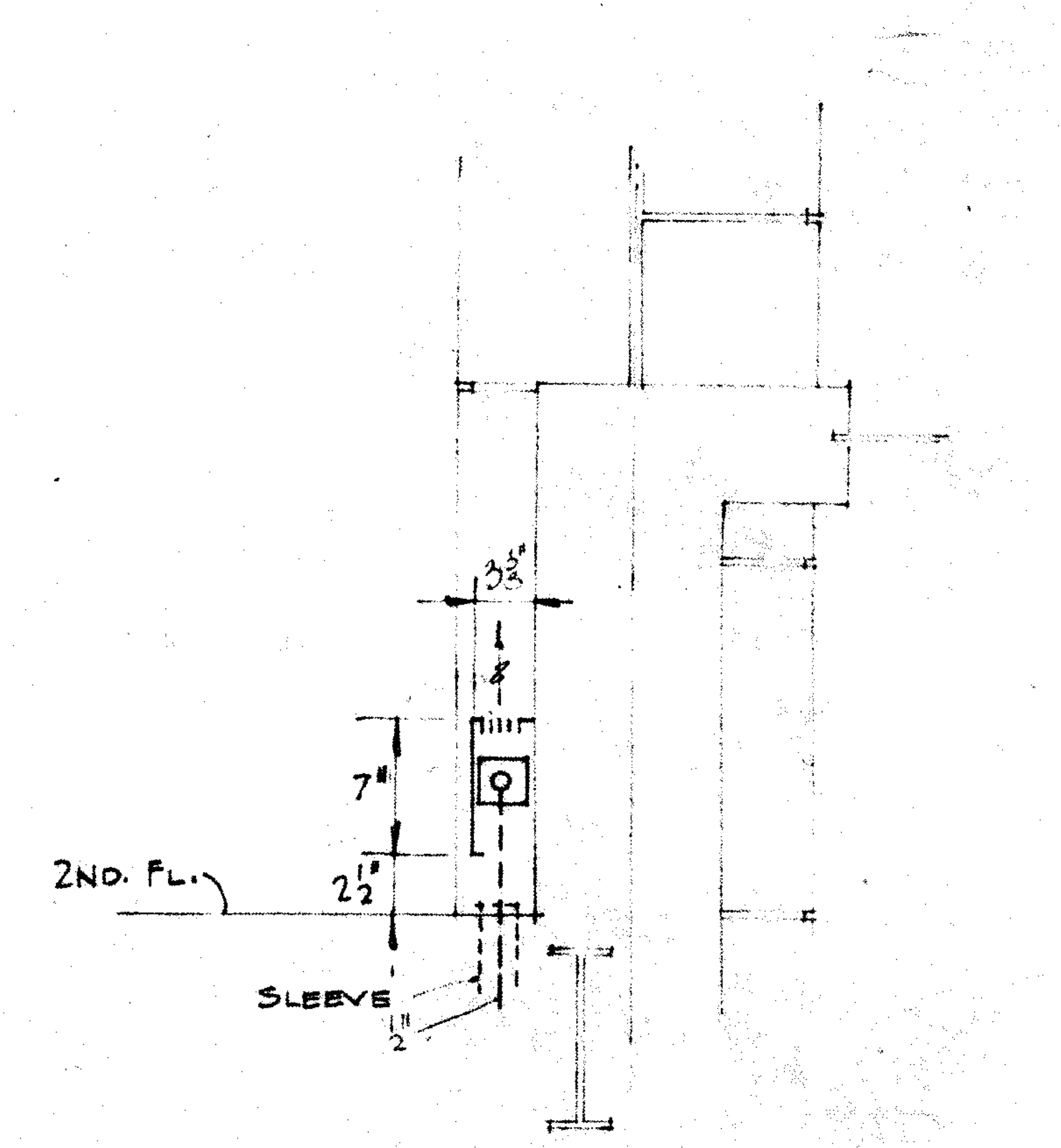
M 13


MEETING ROOM 227
MEETING ROOM 228
EQUIPT. ROOM 223 SEE LAYOUT ON M-11
MEETING ROOM 226
MEETING ROOM 224
PASSAGE 225
WEST STAIR #1
WEST STAIR #2
BANQUET - MEETING ROOM 229
OPEN TO 3RD. FL. ABOVE
MEETING ROOM 232
SERVING 219
PASSAGE 231
NORTH STAIR
CENTER STAIR
JAN. 214
ELEV. EQU'S. RM. 215
KITCHEN 216
STORE 217
PASSAGE 212
OPEN ABOVE
FINNED TUBE RADIATION WITH CONT. MULL. COVER - TYPICAL FOR 36 BAYS SEE DETAIL ON THIS SHEET
FOR CONTINUATION SEE DWG. NO M-13
L
K
H
G
F
E
D
C
B
A
12
12A
13
14
15
16
17
18
19
20
21
22
23
24

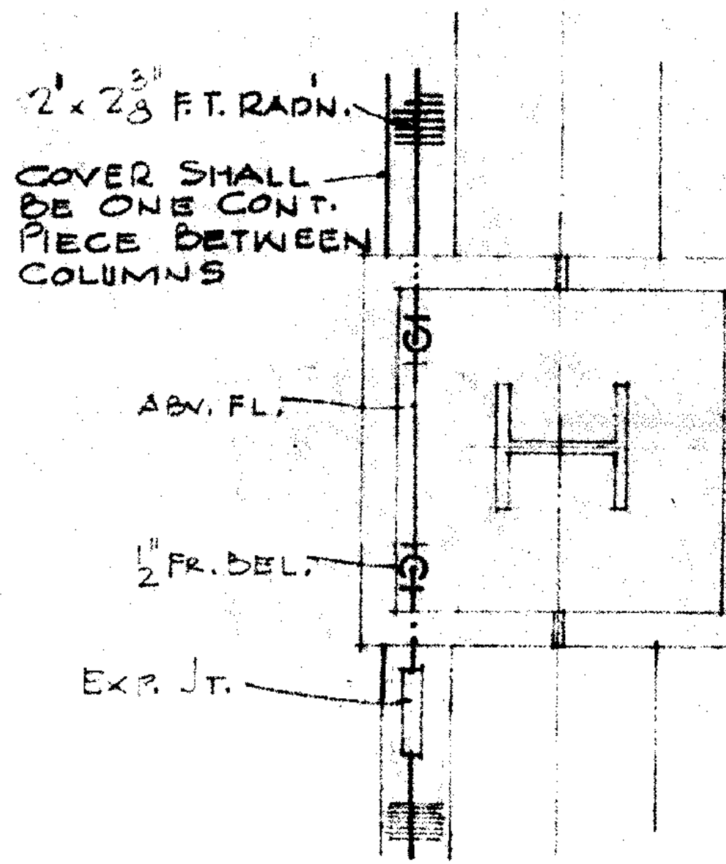
SECOND FLOOR PLAN - NORTH

SCALE 1/8"=1'-0"

NORTH


2ND. FL.
SLEEVE
7"
2 1/2"
3 1/2"

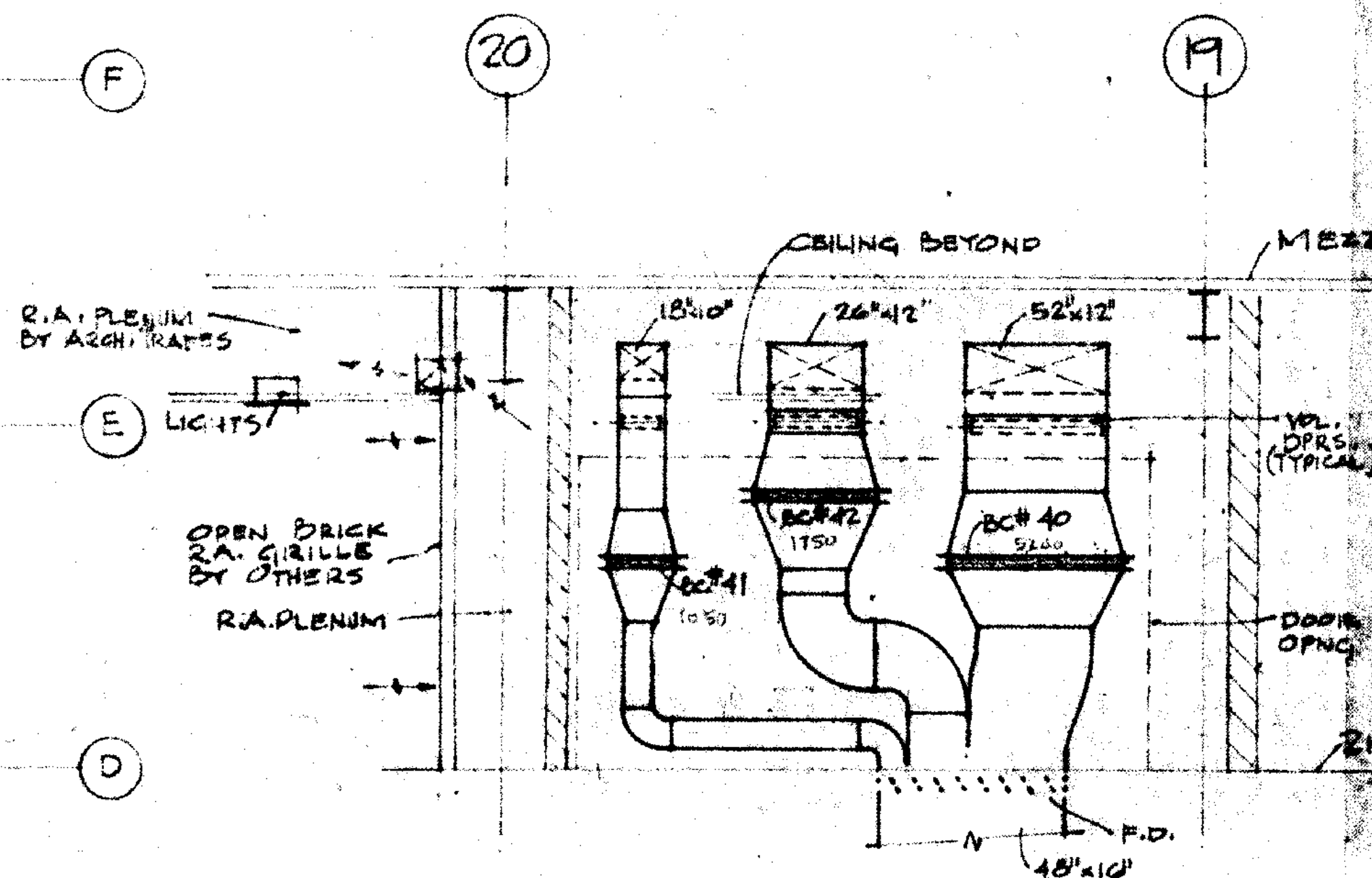
CROSS SECTION


2"x 2 3/8" F.T. RADN.
COVER SHALL BE ONE CONT. PIECE BETWEEN COLUMNS
ABV. FL.
1 1/2" FR. BEL.
EXP. JT.

PLAN

TYPICAL DETAIL OF SECOND FLOOR RADIATION

SCALE 1"=1'-0"


20
19
CEILING BEYOND
MEZZ. FL.
R.A. PLENUM BY ARCH. TRADES
LIGHTS
OPEN BRICK R.A. GRILLE BY OTHERS
R.A. PLENUM
VOL. DPRS. (TYPICAL)
DOOR OPNG.
2ND FL.
F.D.
48"x10"

SECTION A-A

SCALE 1/4"=1'-0"

SECOND FLOOR PLAN (NORTH)
AND SECTIONS
SCALE 1/8"=1'-0"
DATE: 6 MAY 1966

M
14

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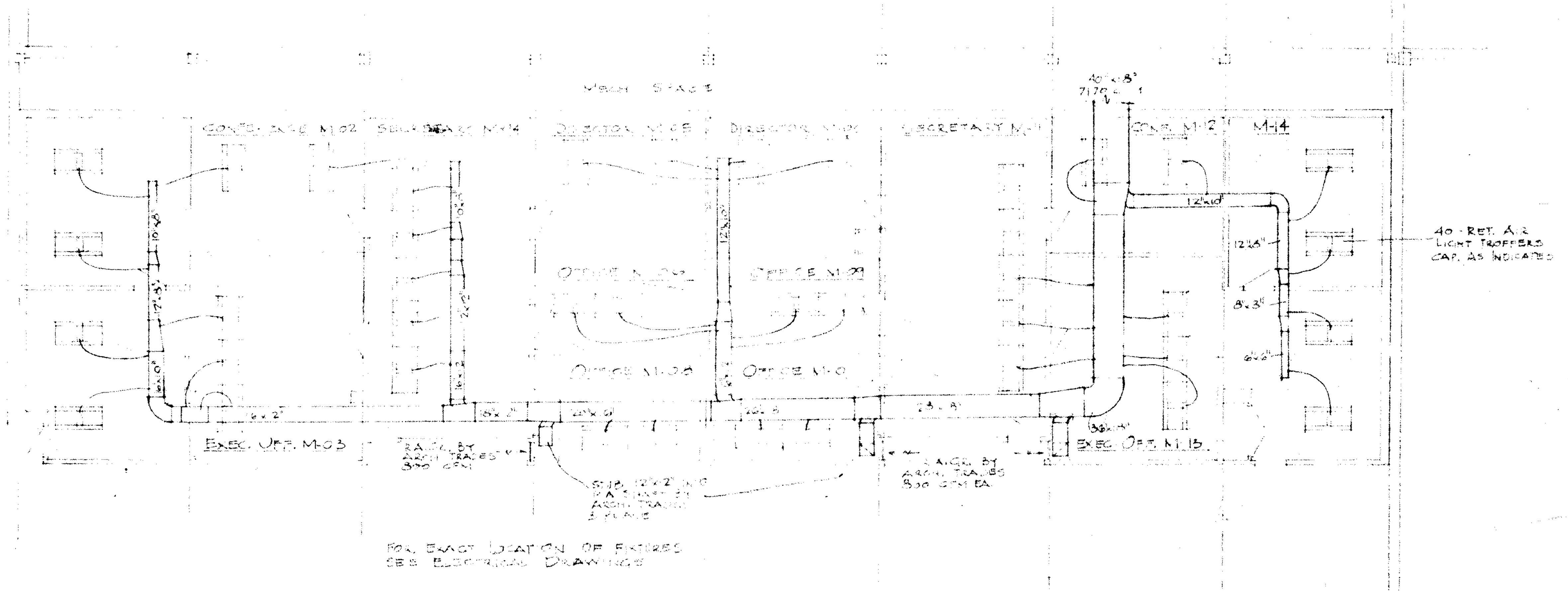
HYDE & BOBBIO INC.	MECHANICAL ENGINEER	DETROIT, MICHIGAN
D.C. OSTERHELD	FOOD SERVICE CONSULTANT	MADISON, WISCONSIN

Bul. 30-12-30-66

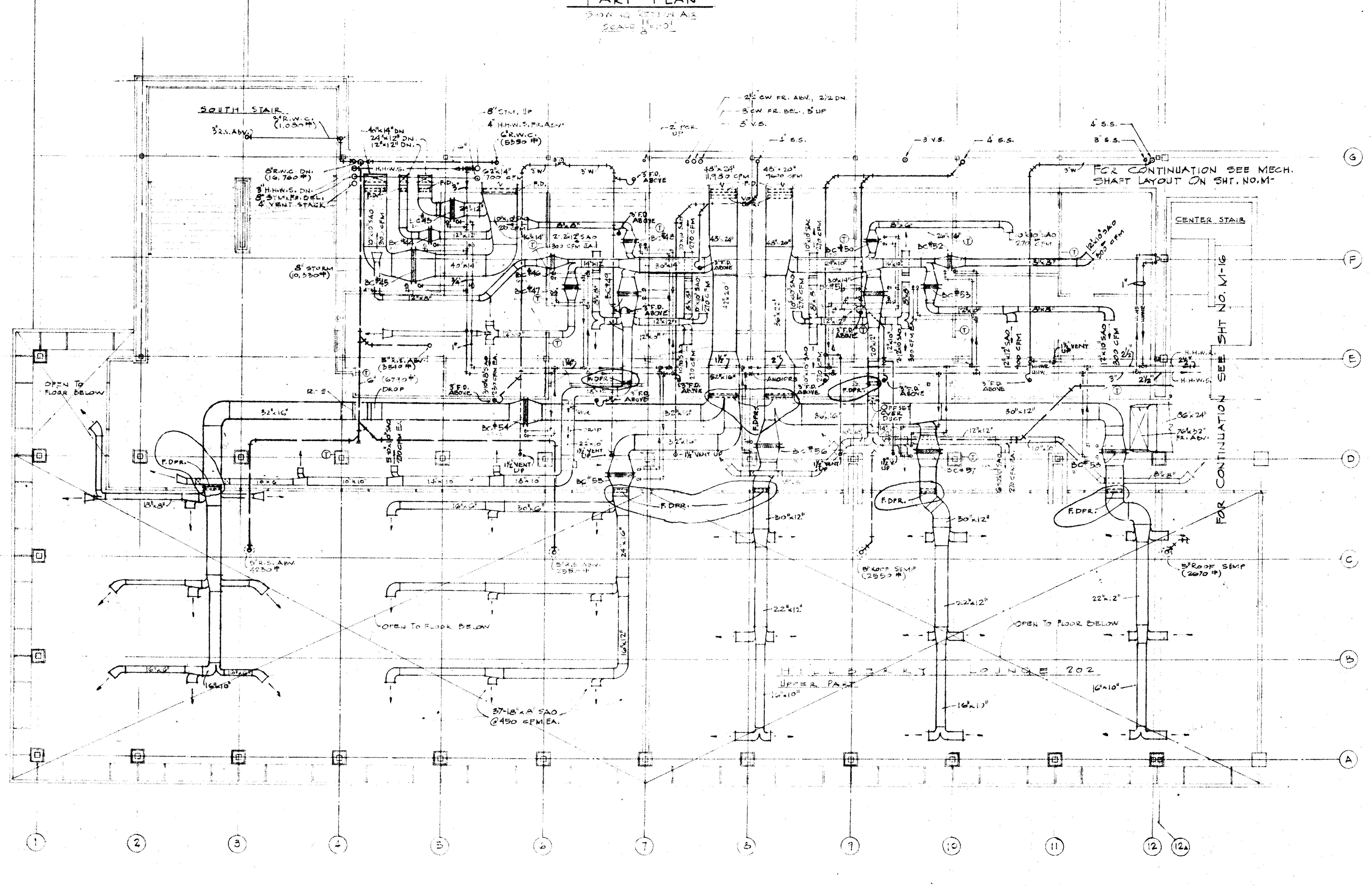
REVISIONS

DR. MH
CK.
APP.


MAIN STAGE
40-RET. A.G. LIGHT TROFFERS CAP. AS INDICATED
FOR EXACT LOCATION OF FIXTURES SEE ELECTRICAL DRAWINGS

PART PLAN

SCALE 1/8"=1'-0"


ROOF
SOUTH STAIR
CENTER STAIR
OPEN TO FLOOR BELOW
FOR CONTINUATION SEE MECH. SHAFT LAYOUT ON SHT. NO. M-
FOR CONTINUATION SEE SHT. NO. M-16
F.DPR.
37-18"x4" S.A.O. @450 CFM EA.
8" STORM (10,350#)
5" ROOF SUMP (2670#)
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
12A

MEZZANINE FLOOR PLAN - SOUTH

SCALE 1/8"=1'-0"

NORTH

MAZZANINE PLAN (SOUTH)
SCALE 1/8"=1'-0"
DATE: 6 MAY 1966

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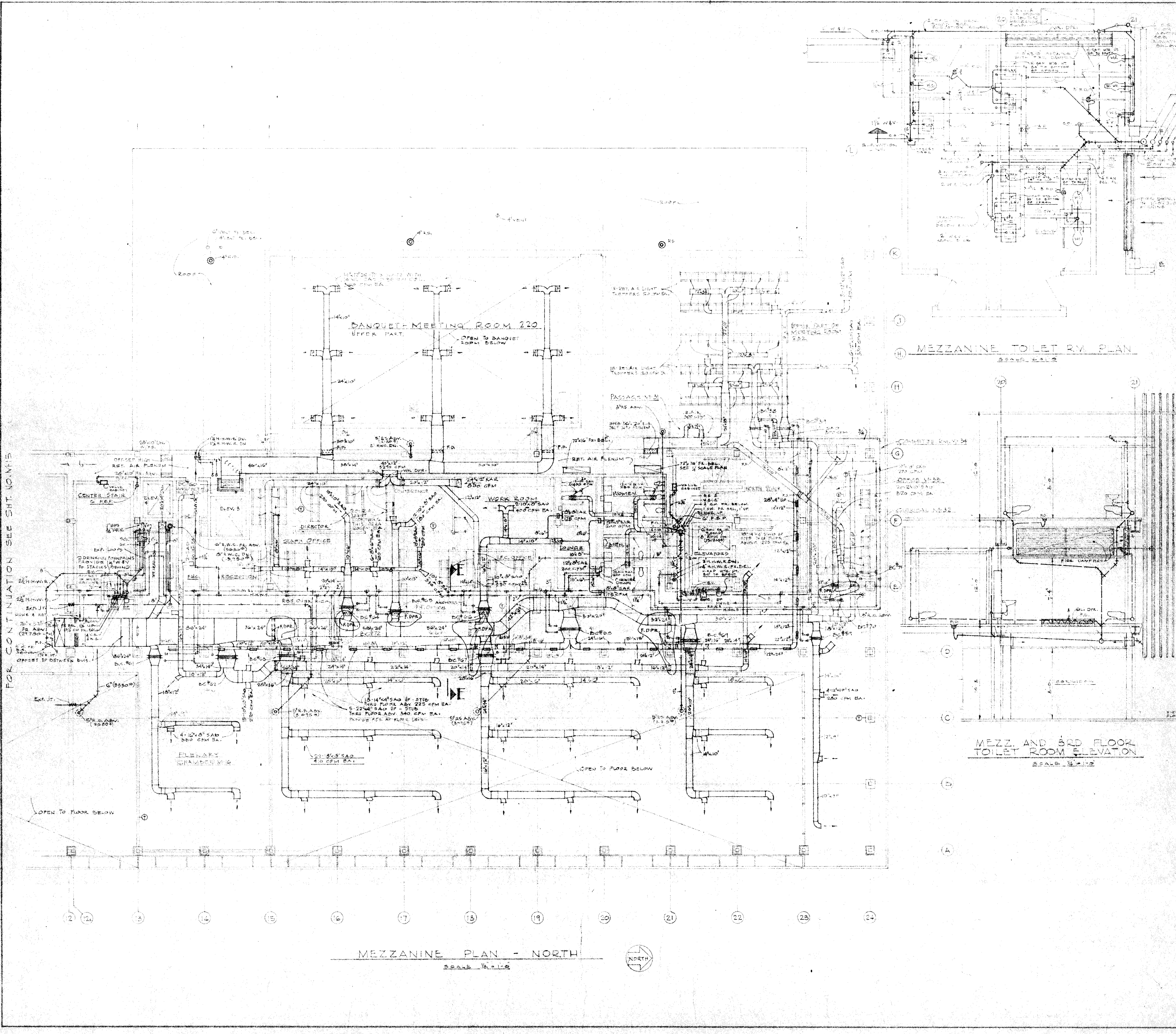
ROBERT J. DAVIS STRUCTURAL ENGINEER DETROIT, MICHIGAN
HYDE & BOBBIO INC. MECHANICAL ENGINEER DETROIT, MICHIGAN
D.C. OSTERHELD FOOD SERVICE CONSULTANT MADISON, WISCONSIN

M
15


MEZZANINE PLAN - NORTH
SCALE 1/8"=1'-0"
MEZZANINE TOILET RM. PLAN
MEZZ. AND 3RD FLOOR TOILET ROOM ELEVATION
BANQUET-MEETING ROOM 220
UPPER PART
OPEN TO BANQUET ROOM BELOW
WORK ROOM
DIRECTOR
STAFF OFFICE
RECEPTION
LOUNGE
WOMEN
MEN
ELEVATORS
NORTH STAIR
CENTER STAIR
PASSAGE M-31
COMMITTEE RM. M-34
CORRIDOR M-32
PLENARY CHAMBER M-16
RET. AIR PLENUM
OPEN TO FLOOR BELOW
FOR CONTINUATION SEE SHT. NO. M-15
NORTH
FIRE DAMPERS
CORRIDOR
12
13
14
15
16
17
18
19
20
21
22
23
24
A
B
C
D
E
F
G
H
J
K

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT MIDLAND, MICHIGAN
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HYDE & BOBBIO INC. MECHANICAL ENGINEER DETROIT, MICHIGAN
D.C. OSTERHELD FOOD SERVICE CONSULTANT MADISON, WISCONSIN

UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
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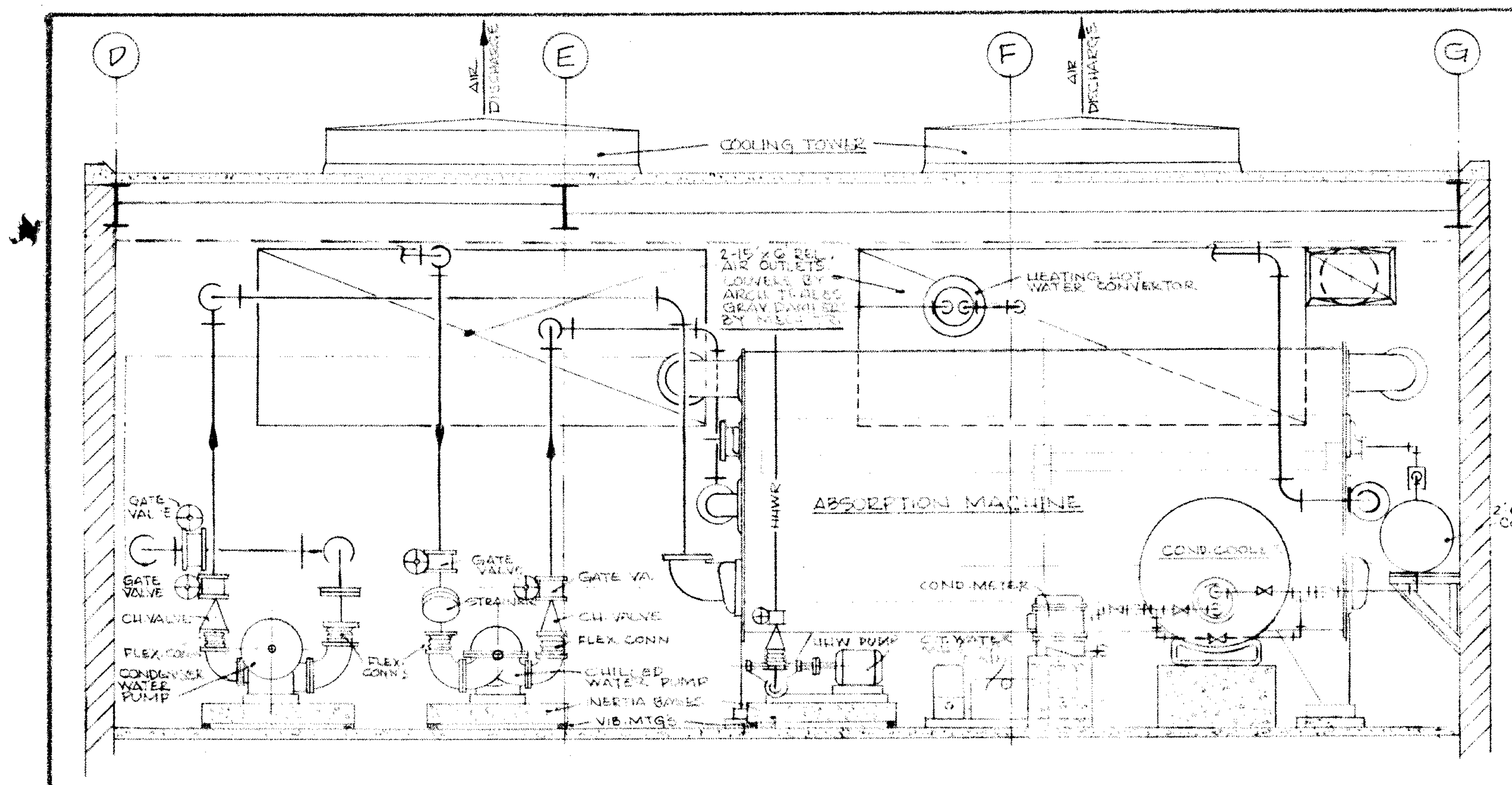
MEZZANINE PLAN (NORTH)
SCALE 1/8"=1'-0" DATE 6 MAY 1966

REVISIONS

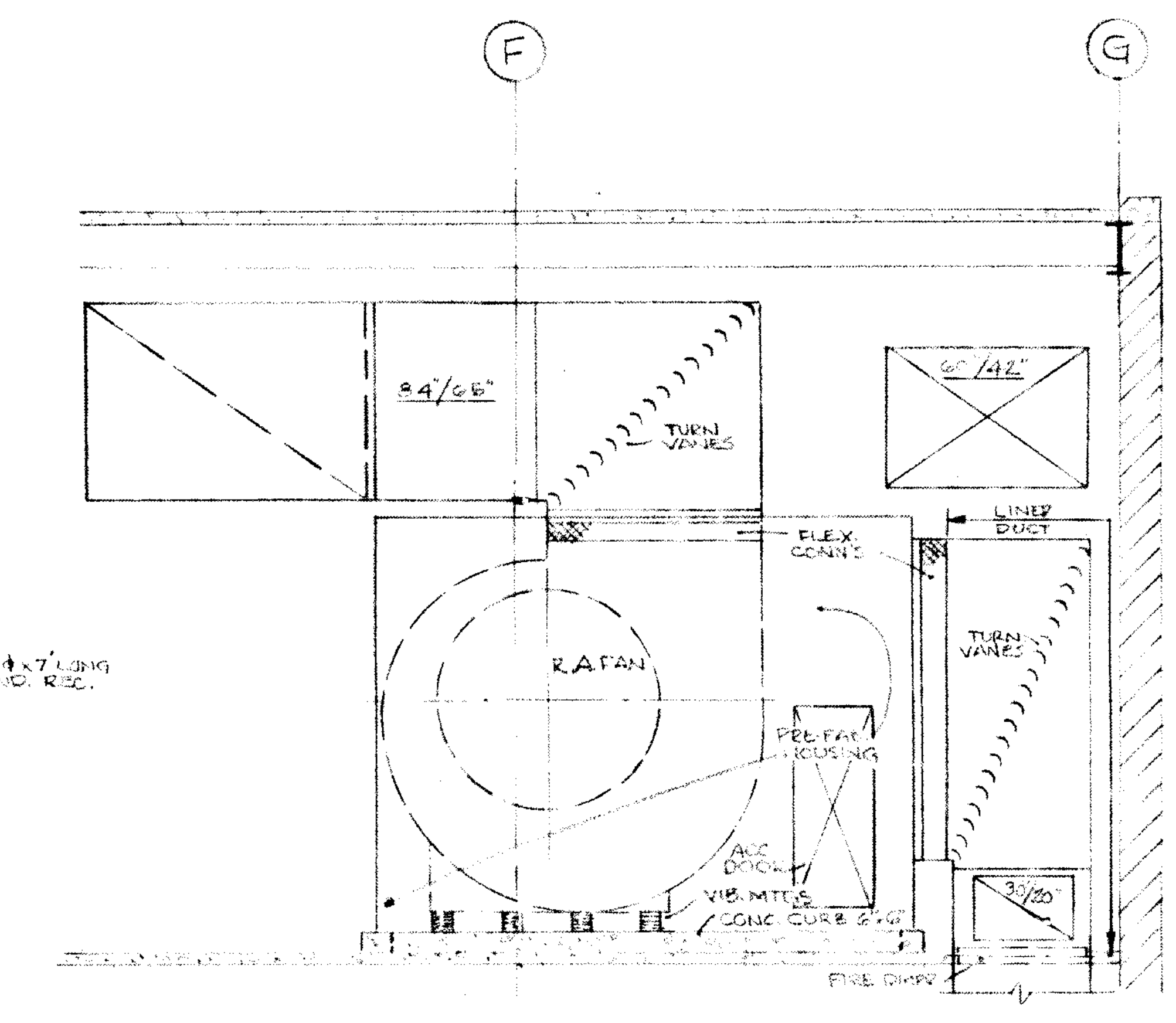
DR. VN
CK. JEV
APP. JBB

M
16


COOLING TOWER
ABSORPTION MACHINE
HEATING COIL
GATE VALVE
FLEX CONN
CHILLED WATER PUMP
CONDENSER WATER PUMP
VIB MTGS
COND. MCHR

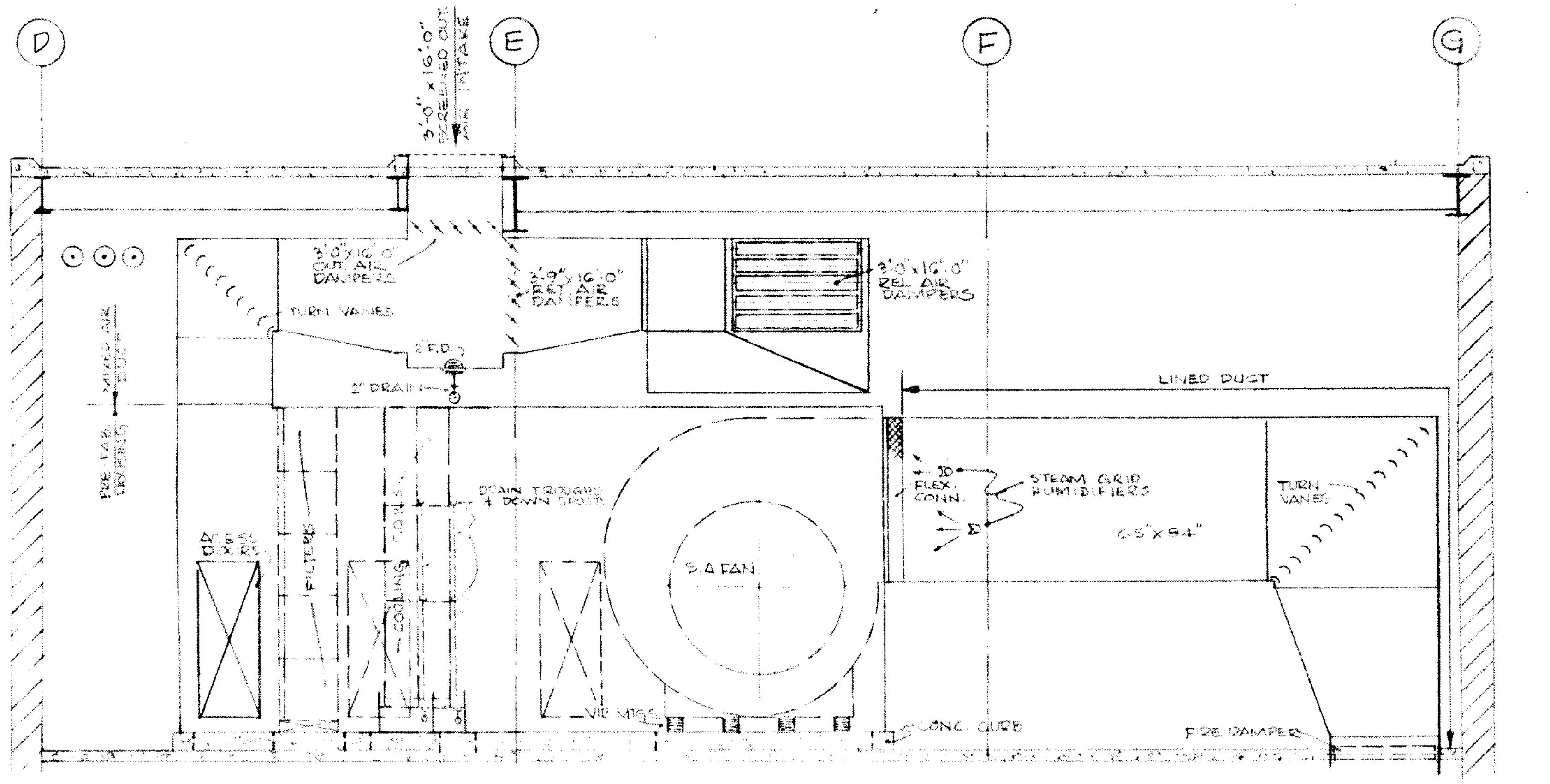
SECTION A-A

SCALE 1/4"=1'-0"


TURN VANES
FLEX CONN
R.A. FAN
LINED DUCT
FIRE DAMPER
VIB MTGS

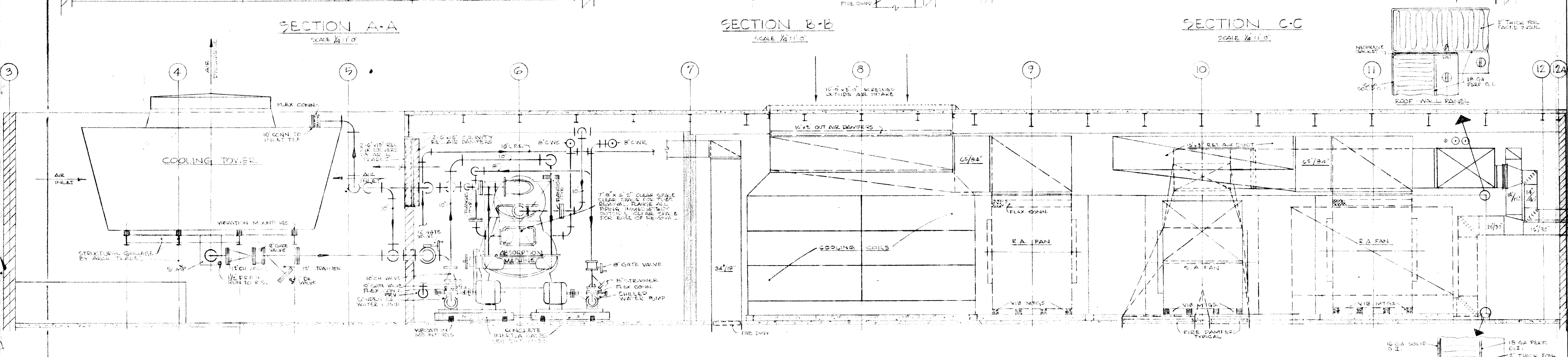
SECTION B-B

SCALE 1/4"=1'-0"


LINED DUCT
S.A. FAN
STEAM GRID HUMIDIFIERS
TURN VANES
FIRE DAMPER
FLEX CONN

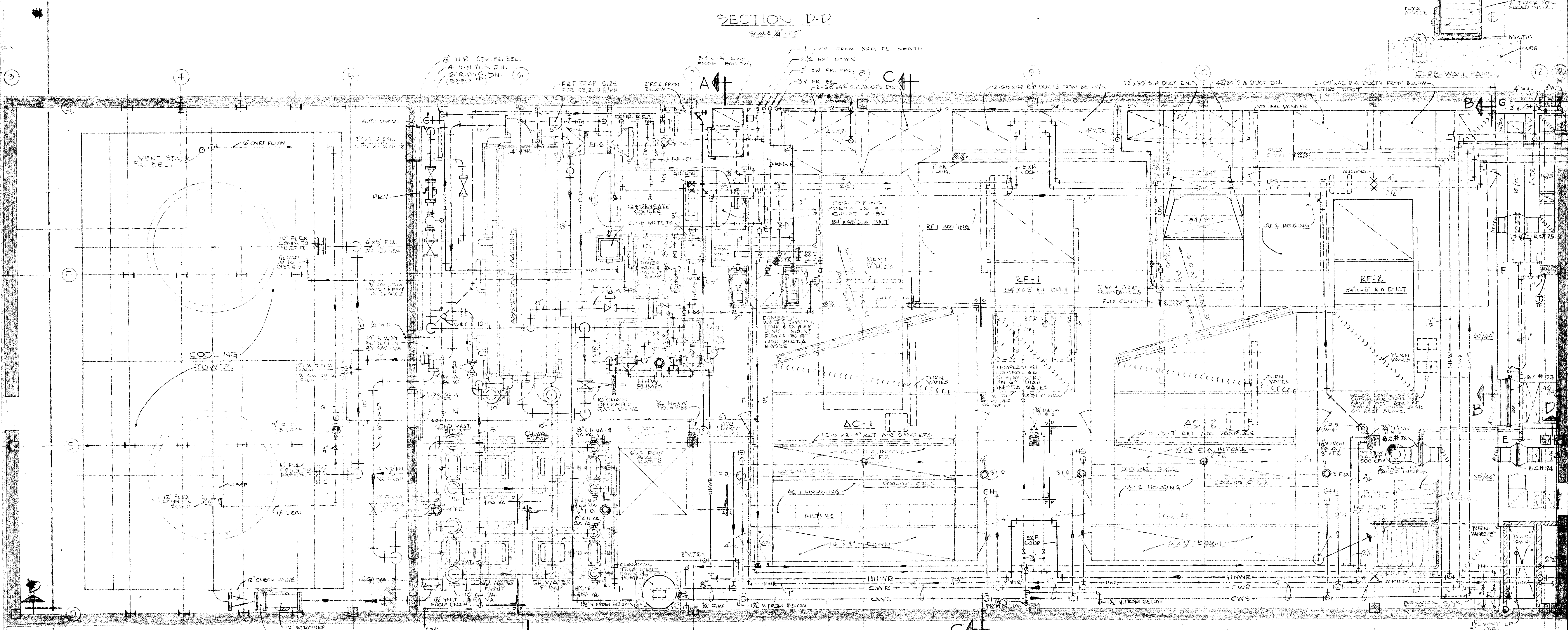
SECTION C-C

SCALE 1/4"=1'-0"


3
4
5
6
7
8
9
10
11
12
12A
COOLING TOWER
AIR INLET
FLEX CONN
VIBRATION ISOLATORS
STRUCTURAL GRILLAGE BY ARCH TRADES
ABSORPTION MACHINE
CHILLED WATER PUMP
CONCRETE INERTIA BASE
COOLING COILS
R.A. FAN
S.A. FAN
VIB MTGS
FIRE DAMPER TYPICAL
ROOF WALL PANEL
2" THICK FOIL FACED INSUL.
18 GA PERF. G.I.

SECTION D-D

SCALE 1/4"=1'-0"


CURB-WALL PANEL
MASTIC
CURB
16 GA SOLID G.I.
18 GA PERF. G.I.
2" THICK FOIL FACED INSUL.
VENT STACK
COOLING TOWER
SUMP
ABSORPTION MACHINE
CONDENSATE
HHW PUMPS
COND WAT. PUMP
CH WAT. PUMP
AC-1
AC-2
RF-1
RF-2
AC-1 HOUSING
AC-2 HOUSING
FILTERS
TURN VANES
HHWR
CWR
CWS
A
B
C
D
E
F
G
NORTH

THIRD FLOOR MECHANICAL EQUIPMENT RM. - SOUTH

SCALE 1/4"=1'-0"

DR. JPY
CK. JPY
APP. JSB

CONSTRUCTION REVISION JULY 30 1966

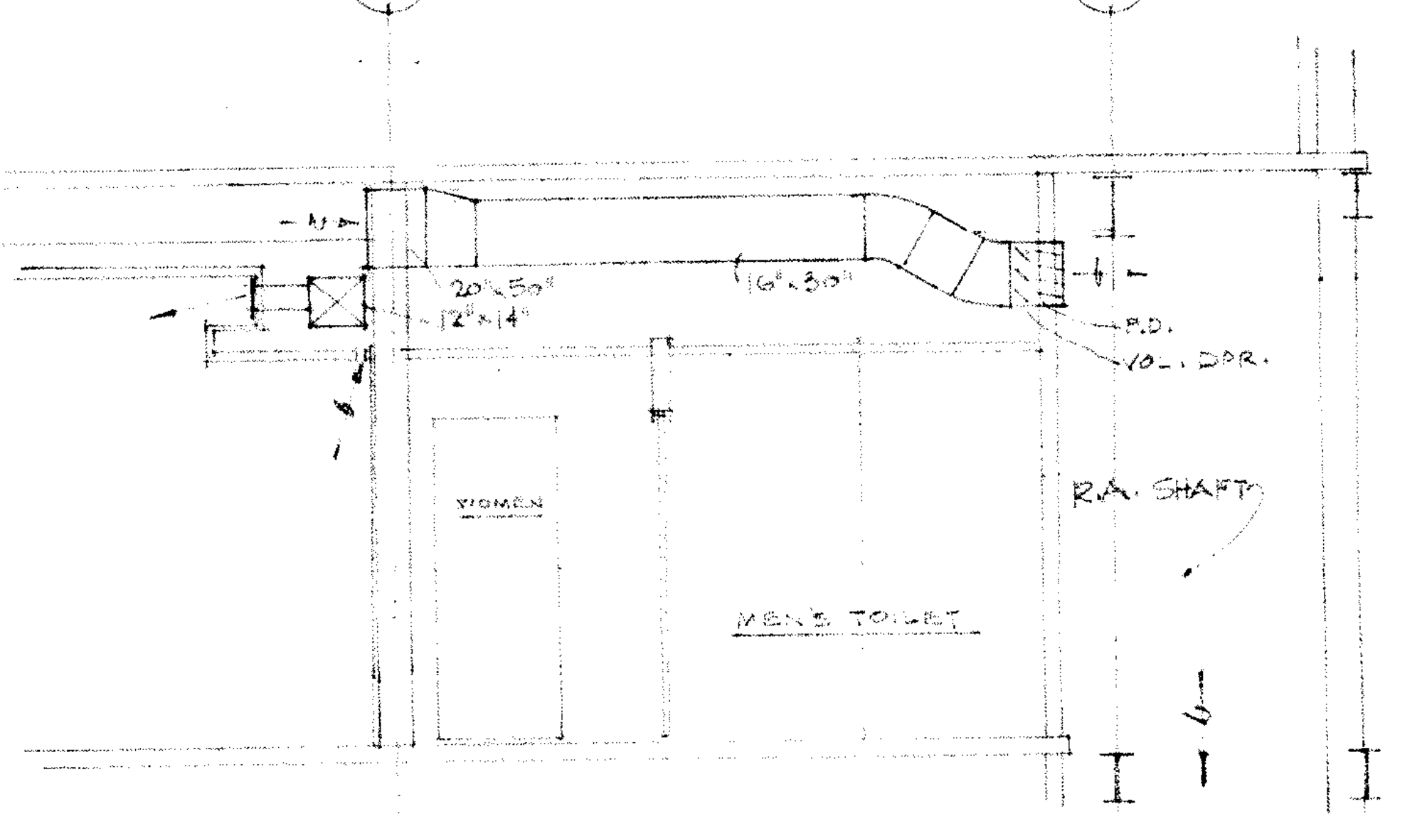
REVISIONS

ALDEN B. DOW ASSOCIATES, INC. – ARCHITECT — MIDLAND, MICHIGAN
ROBERT J. DAVIS — STRUCTURAL ENGINEER — DETROIT, MICHIGAN
HYDE & BOBBIO INC. — MECHANICAL ENGINEER — DETROIT, MICHIGAN
D.C. OSTERHELD — FOOD SERVICE CONSULTANT — MADISON, WISCONSIN

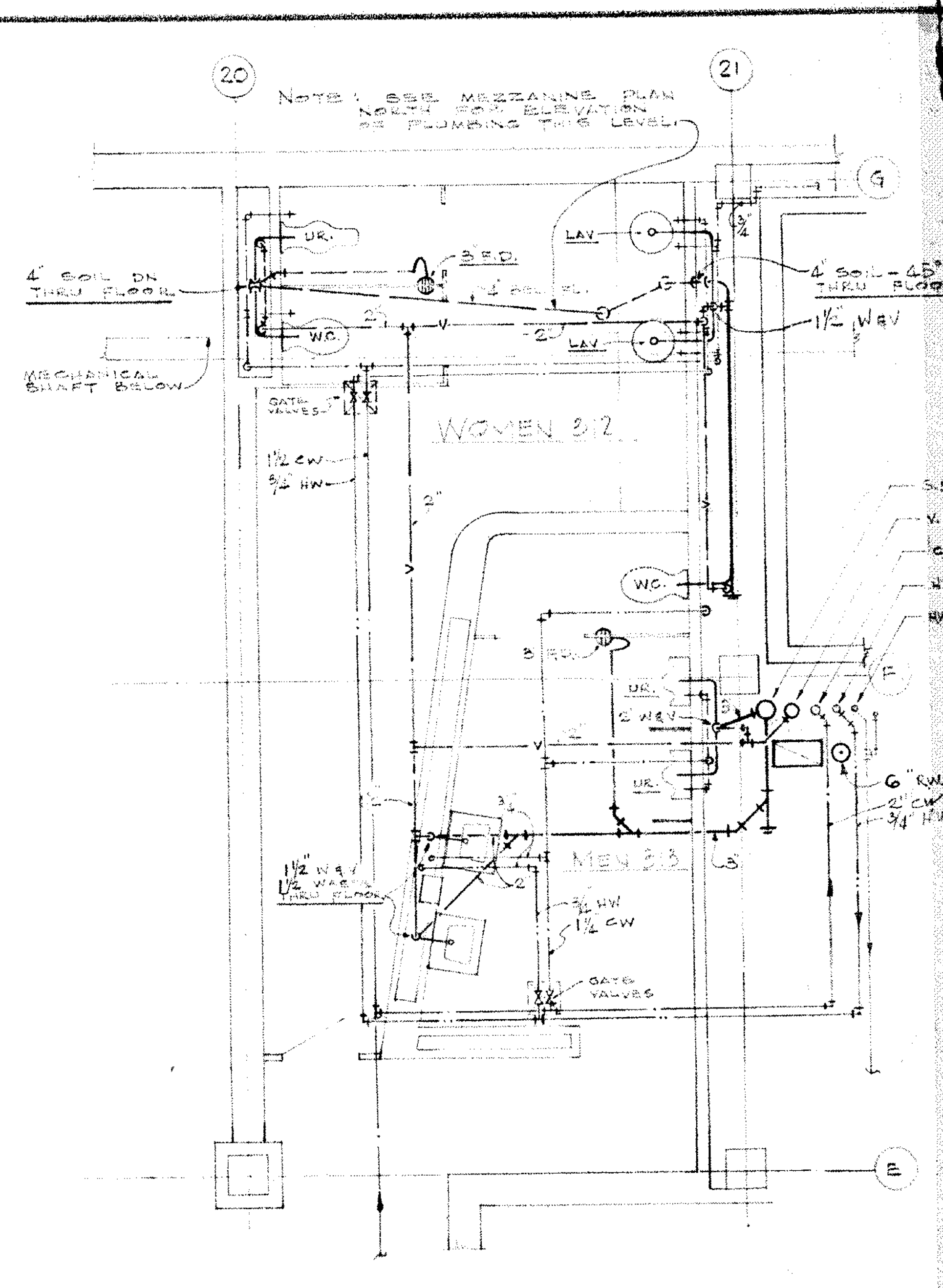
UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

THIRD FLOOR MECHANICAL
EQUIP. RM. (SOUTH) AND SECTIONS
SCALE: 1/4"=1'-0"
DATE: 6 MAY 1966

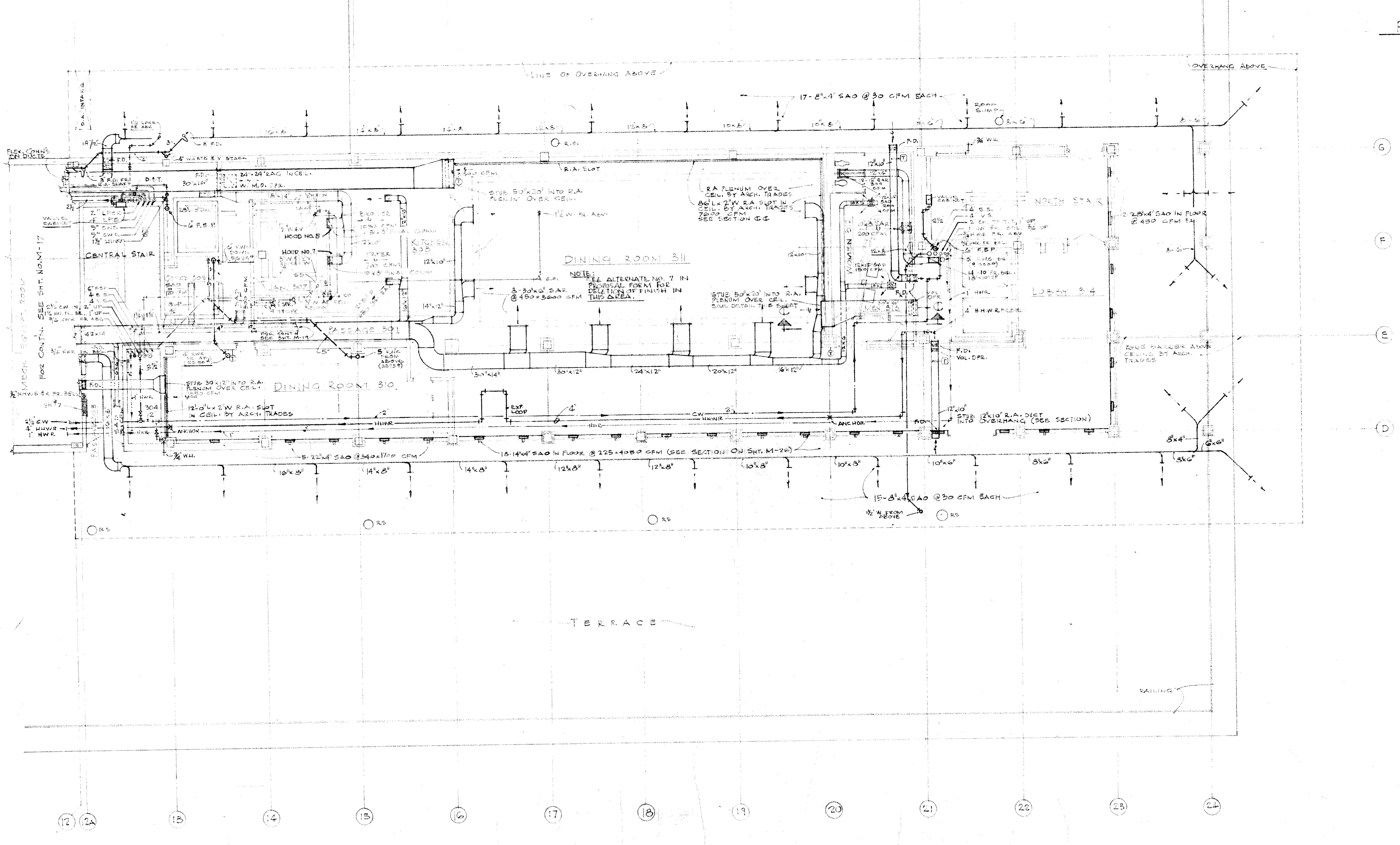
M
17


20
21
20"x50"
12"x14"
16"x30"
R.D.
VOL. DPR.
R.A. SHAFT
WOMEN
MEN'S TOILET

SECTION C-C
SCALE 1/4"=1'-0"


20
21
NOTE: SEE MEZZANINE PLAN NORTH FOR ELEVATION OF PLUMBING THIS LEVEL.
G
UR.
LAV
3" F.D.
4" SOIL DN THRU FLOOR
4" SOIL-45° THRU FLOOR
1 1/2" W&V
W.C.
LAV
2"
MECHANICAL SHAFT BELOW
GATE VALVES
WOMEN 312
1 1/2 CW
3/4 HW
2"
S.S
V.S
CW
HW
HWR
W.C.
3" F.D.
UR.
2" W&V
F
6" RWC
2" CW
3/4" HW
1 1/2" W&V
1 1/2" W&V THRU FLOOR
MEN 313
3/4 HW
1 1/2 CW
GATE VALVES
E

TOILET ROOM PLUMBING LAYOUT
SCALE 1/4"=1'-0"


200 R
TERRACE
RAILING
LINE OF OVERHANG ABOVE
OVERHANG ABOVE
17-8"x4" SAO @ 30 CFM EACH
ROOF SUMP
O.A. INTAKE
1 1/2 LPCR FR. ABV.
FLEX. CONN'S. ON DUCTS
18"/12"
3" F.D.
4" WASTE & V STACK
F.D.
3" F.D. FR.
R.A. SHAFT
D.&T.
F.D.
30"x16"
24"x24" RAG. IN CEIL. W/ M.O. DPR.
2300 CFM
STUB 50"x20" INTO R.A. PLENUM OVER CEIL.
R.A. SLOT
R.S.
VALVE CABINET
2" LPCR
4" LPS
5" CWS
5" CWR
1 1/2" HHW
6" F.S.P.
CENTRAL STAIR
2" W&V
HOOD NO. 8
HOOD NO. 7
1090 CFM
12"x10"
KITCHEN 308
6" RWC DOWN
OFFICE 305
JAN. 307
6" FSP
4 S.S.
4 V.S.
2 1/2 CW IN, 2" UP
1 1/2 HW FR. BEL., 1" UP
3/4 HWR FR. ABV.
FOR CONT. SEE SHT. NO. M-17
MECH. EQUIPT. ROOM
42x14
PASSAGE 301
FOR CONT'N SEE SHT. M-19
5" RWC FROM ABOVE
4" RWC
3/4" HWR FR. BEL.
1/2" HHWS & R FR. BEL.
F.D.
STUB 30"x12" INTO R.A. PLENUM OVER CEIL. 1350 CFM
DINING ROOM 310
12'-0" L x 2' W R.A. SLOT IN CEIL. BY ARCH. TRADES
304
2 1/2" CW
4" HHWR
1" HWR
HWR
ANCHOR
3/4 W.H.
5-22"x4" SAO @ 340=1700 CFM
16"x8"
14"x8"
14"x8"
R.S.
DINING ROOM 311
NOTE: SEE ALTERNATE NO. 7 IN PROPOSAL FORM FOR DELETION OF FINISH IN THIS AREA.
8-30"x6" SAR @ 450=3600 CFM
14"x12"
1 1/2" W. FR. ABV.
C.O.
R.A. PLENUM OVER CEIL. BY ARCH. TRADES
86' L x 2" W R.A. SLOT IN CEIL. BY ARCH. TRADES 7600 CFM SEE SECTION C-C
STUB 50"x20" INTO R.A. PLENUM OVER CEIL. SEE DETAIL THIS SHEET
12x10
30"x14"
30"x12"
24"x12"
20"x12"
16"x12"
EXP. LOOP
4"
CW
2"
HHWR
HWR
ANCHOR
18-14"x4" SAO IN FLOOR @ 225=4050 CFM (SEE SECTION ON SHT. M-26)
12"x8"
12"x8"
10"x8"
10"x8"
10"x6"
8"x6"
8"x6"
15-8"x4" SAO @ 30 CFM EACH
1 1/2" W FROM ABOVE
RS
F.D.
12"x10"
12"x12" EAR 300 CFM
12"x12" SAO 200 CFM
10"x8" EAR 200 CFM
WOMEN 312
12x8
12x12 SAO 150 CFM
MEN 313
F.D.
VOL. DPR.
3/4 W.H.
VALVE CABINET
2 1/2
4 S.S.
4 V.S.
2" CW TO T.T., 1" UP
1" HW FR. BEL. 3/4 UP
3/4 HWR FR. ABV.
3/4 HWR FR. BEL.
6" F.S.P.
6" RWC DN. (9000#)
14"x10" FR. BEL. 18"x10" UP
1" HWR
4" H.H.W.R. FR. BEL.
NORTH STAIR
LOBBY 314
2-28"x4" SAO IN FLOOR @ 480 CFM EA.
8x6
ZONE DAMPER ABOVE CEILING BY ARCH. TRADES
12"x10"
STUB 12"x10" R.A. DUCT INTO OVERHANG (SEE SECTION)
F.D.
VOL. DPR.
8"x4"
6"x6"
G
F
E
D
12
12A
13
14
15
16
17
18
19
20
21
22
23
24
NORTH

THIRD FLOOR PLAN - NORTH
SCALE 1/8"=1'-0"

DR. WV
CK. JPY
APP.

R E V I S I O N S

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT — MIDLAND, MICHIGAN
ROBERT J. DAVIS — STRUCTURAL ENGINEER — DETROIT, MICHIGAN
HYDE & BOBBIO INC. — MECHANICAL ENGINEER — DETROIT, MICHIGAN
D.C. OSTERHELD — FOOD SERVICE CONSULTANT — MADISON, WISCONSIN

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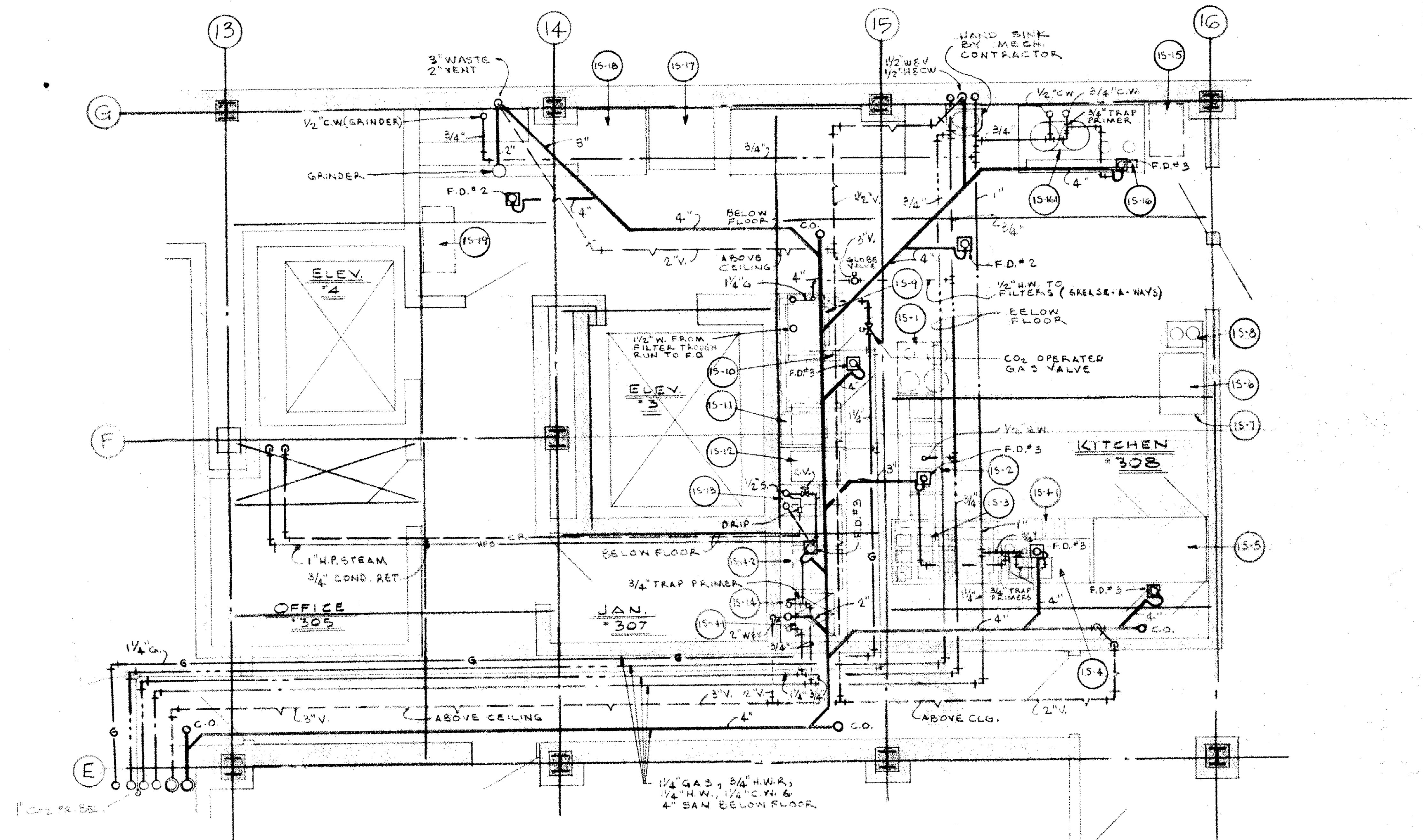
THIRD FLOOR PLAN (NORTH)
SCALE: 1/8"=1'-0"
DATE: 6 MAY 1966

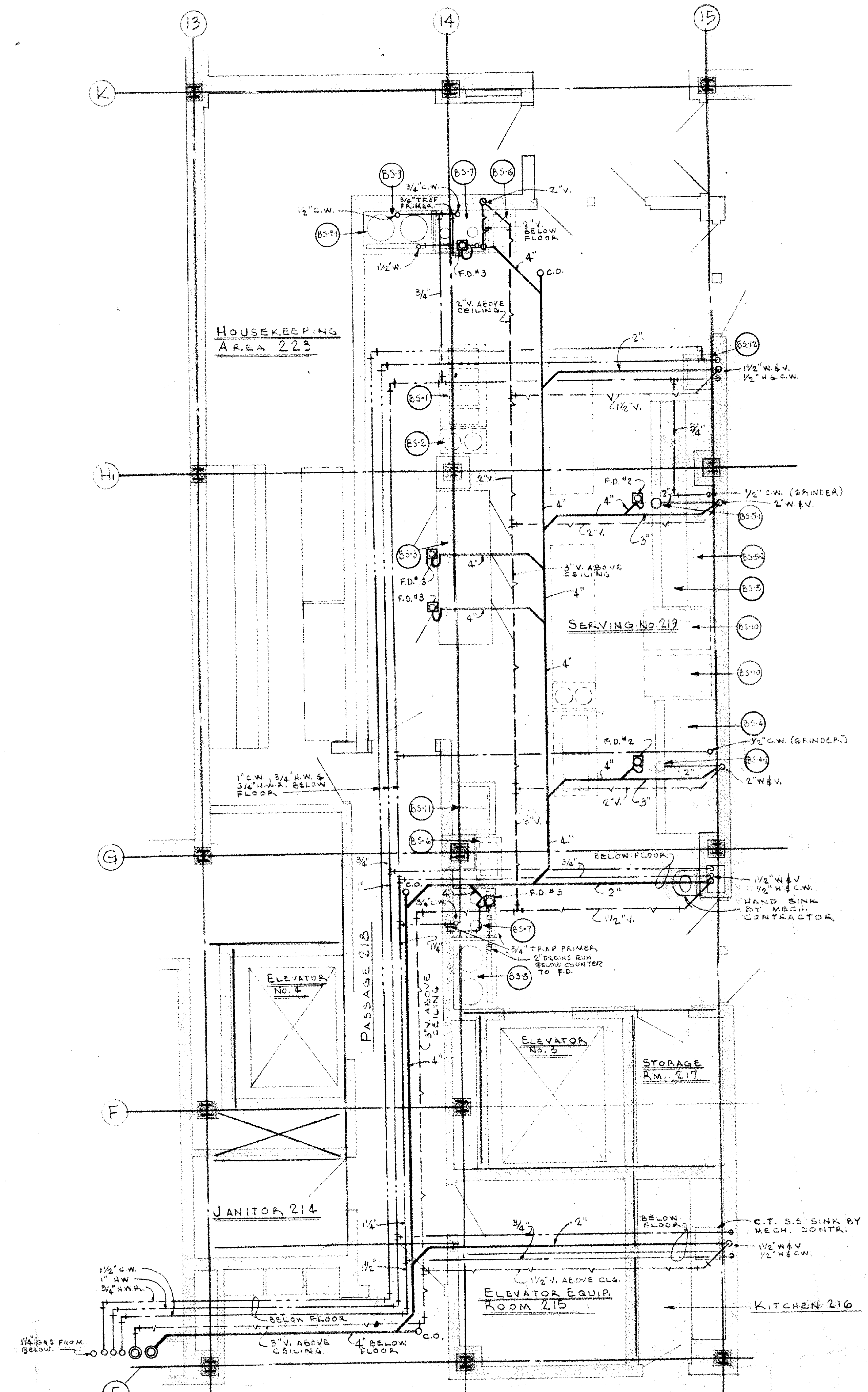
M 18


13
14
15
16
G
F
E
3" WASTE 2" VENT
1/2" C.W. (GRINDER)
GRINDER
F.D. #2
HAND SINK BY MECH. CONTRACTOR
1/2" C.W. 3/4" C.W.
3/4" TRAP PRIMER
F.D. #3
4" BELOW FLOOR
2" V. ABOVE CEILING
ELEV. #4
ELEV. #3
1 1/2" W. FROM FILTER TROUGH RUN TO F.D.
F.D. #2
1/2" H.W. TO FILTERS (BAKERS-A-WAYS)
BELOW FLOOR
CO2 OPERATED GAS VALVE
KITCHEN #308
F.D. #3
BELOW FLOOR
1" H.P. STEAM
3/4" COND. RET.
3/4" TRAP PRIMER
OFFICE #305
JAN. #307
ABOVE CEILING
ABOVE CLG.
C.O.
1 1/4" GAS, 3/4" H.W.R., 1" H.W., 1 1/2" C.W. & 4" SAN. BELOW FLOOR

THIRD FLOOR KITCHEN PLAN
(PLUMBING)

SCALE 1/4" = 1'-0"

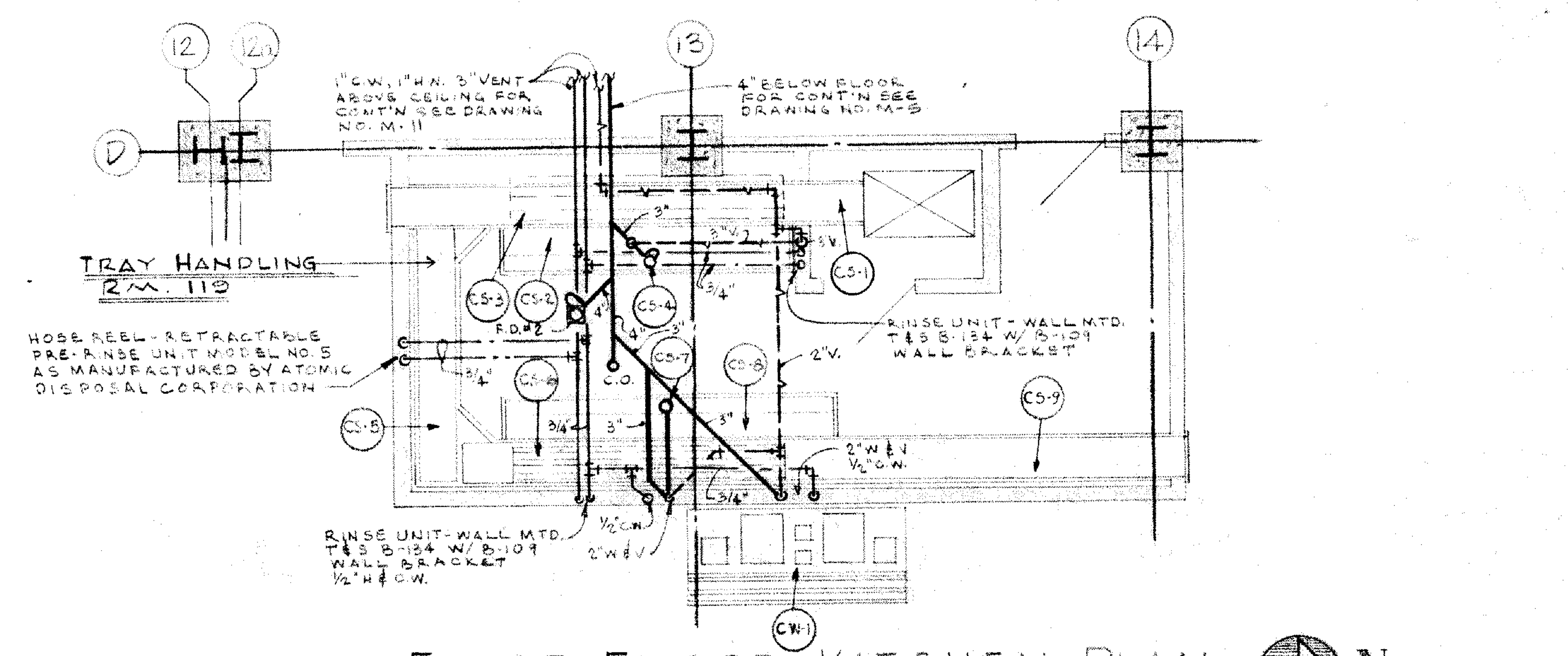
N


13
14
15
K
H1
G
F
E
1/2" C.W.
3/4" C.W.
3/4" TRAP PRIMER
2" V.
3" V. BELOW FLOOR
1 1/2" W.
F.D. #3
4" C.O.
2" V. ABOVE CEILING
HOUSEKEEPING AREA 223
1 1/2" W. & V.
1/2" H. & C.W.
1/2" C.W. (GRINDER)
2" W. & V.
F.D. #2
F.D. #3
3" V. ABOVE CEILING
SERVING No. 219
1/2" C.W. (GRINDER)
2" W. & V.
1" C.W., 3/4" H.W. & 3/4" H.W.R. BELOW FLOOR
BELOW FLOOR
1 1/2" W. & V.
1/2" H. & C.W.
HAND SINK BY MECH. CONTR.
F.D. #3
3/4" TRAP PRIMER
2" DRAINS RUN BELOW COUNTER TO F.D.
PASSAGE 218
ELEVATOR No. 6
ELEVATOR No. 5
STORAGE RM. 217
JANITOR 214
C.T. S.S. SINK BY MECH. CONTR.
1 1/2" W. & V.
1/2" H. & C.W.
1 1/2" V. ABOVE CLG.
ELEVATOR EQUIP. ROOM 215
KITCHEN 216
1 1/2" C.W.
1" H.W.
3/4" H.W.R.
1 1/4" GAS FROM BELOW
BELOW FLOOR
3" V. ABOVE CEILING
4" BELOW FLOOR
C.O.

SECOND FLOOR KITCHEN PLAN
(PLUMBING)

SCALE 1/4" = 1'-0"

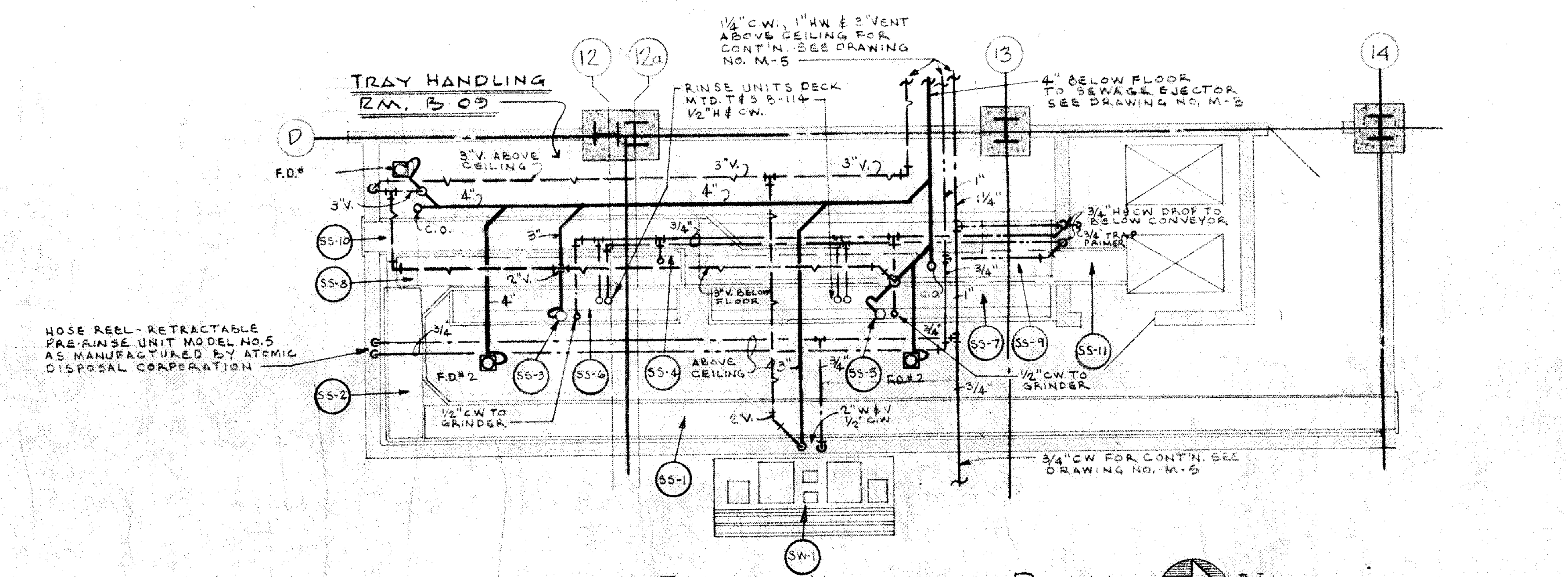
N


12
12.1
13
14
D
1" C.W., 1" H.W., 3" VENT ABOVE CEILING FOR CONT'N SEE DRAWING No. M-11
4" BELOW FLOOR FOR CONT'N SEE DRAWING No. M-5
TRAY HANDLING RM. 113
HOSE REEL - RETRACTABLE PRE-RINSE UNIT MODEL No. 5 AS MANUFACTURED BY ATOMIC DISPOSAL CORPORATION
RINSE UNIT - WALL MTD. T & S B-134 W/ B-109 WALL BRACKET
2" W. & V.
1/2" C.W.
RINSE UNIT - WALL MTD. T & S B-134 W/ B-109 WALL BRACKET 1/2" H. & C.W.

FIRST FLOOR KITCHEN PLAN
(PLUMBING)

SCALE 1/4" = 1'-0"

N


12
12.1
13
14
D
1 1/2" C.W., 1" H.W. & 3" VENT ABOVE CEILING FOR CONT'N SEE DRAWING No. M-5
TRAY HANDLING RM. B 09
RINSE UNITS DECK MTD. T & S B-114 1/2" H. & C.W.
4" BELOW FLOOR TO SEWAGE EJECTOR SEE DRAWING No. M-5
F.D.
3" V. ABOVE CEILING
C.O.
HOSE REEL - RETRACTABLE PRE-RINSE UNIT MODEL No. 5 AS MANUFACTURED BY ATOMIC DISPOSAL CORPORATION
F.D. #2
1/2" C.W. TO GRINDER
ABOVE CEILING
1/2" C.W. TO GRINDER
3/4" H.W. DROP TO BELOW CONVEYOR
3/4" TRAP PRIMER
2" W. & V.
1/2" C.W.
3/4" C.W. FOR CONT'N SEE DRAWING No. M-5

BASEMENT FLOOR KITCHEN PLAN
(PLUMBING)

SCALE 1/4" = 1'-0"

N

DR. D.J.
CK. J.P.Y.
APP. J.S.B.

REVISIONS

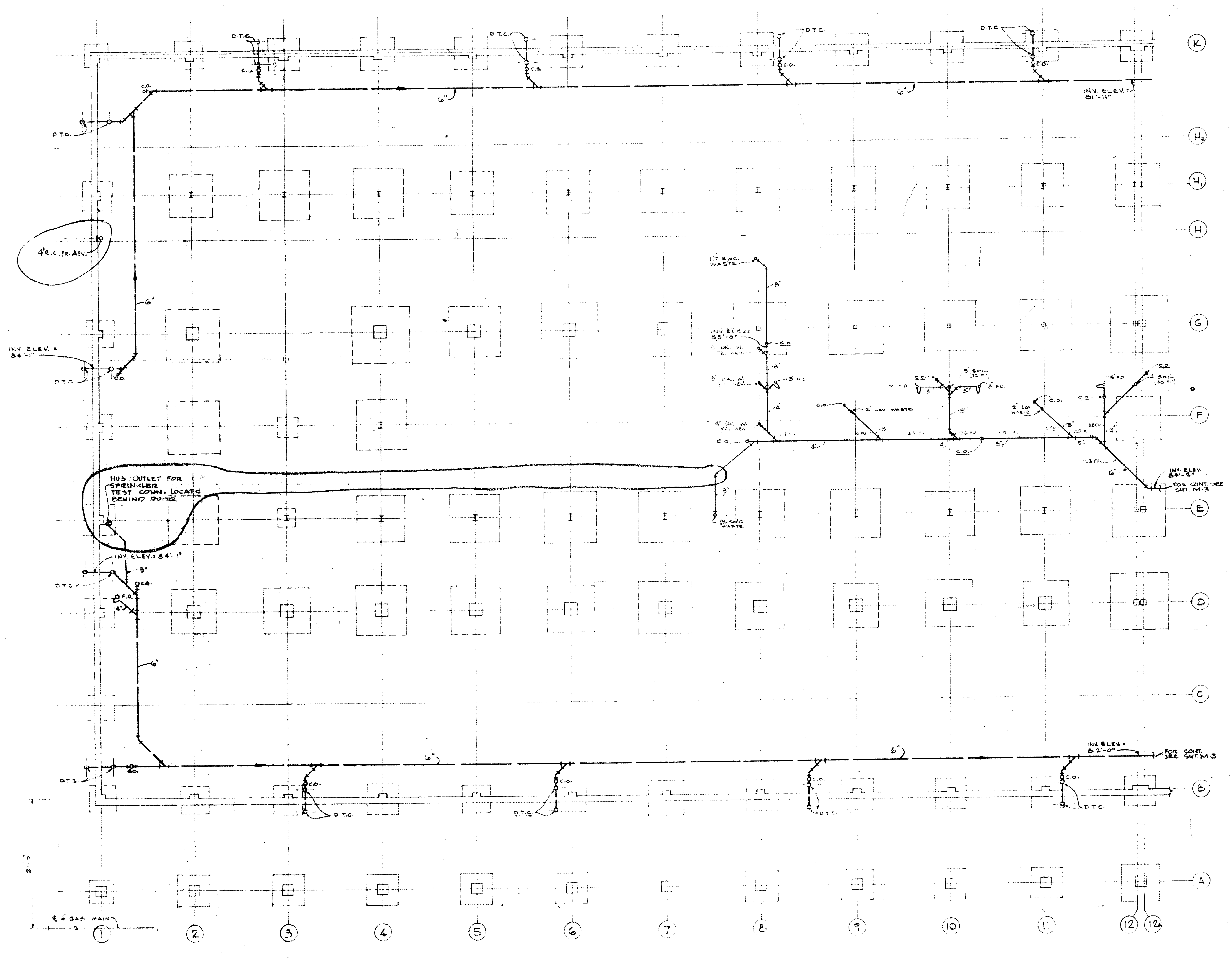
ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT — MIDLAND, MICHIGAN
ROBERT J. DAVIS — STRUCTURAL ENGINEER — DETROIT, MICHIGAN
HYDE & BOBBIO INC. — MECHANICAL ENGINEER — DETROIT, MICHIGAN
D.C. OSTERHELD — FOOD SERVICE CONSULTANT — MADISON, WISCONSIN

UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

PARTIAL BASEMENT, FIRST, SECOND AND THIRD FLOOR KITCHEN ROOMS

SCALE: 1/4" = 1'-0" DATE: 6 MAY 1966

M 19


D.T.C.
C.O.
6"
INV. ELEV. = 81'-11"
4"R.C. FR. ABV.
INV. ELEV. = 84'-1"
1½" E.W.C. WASTE
3"
INV. ELEV. = 85'-0"
C.O.
3" UR. W. FR. ABV.
3" F.D.
4"
2" LAV WASTE
5" SOIL (72 F.U.)
3" F.D.
5"
76 F.U.
C.O.
2" LAV WASTE
5" F.D.
4" SOIL (36 F.U.)
6"
INV. ELEV. 84'-2"
FOR CONT. SEE SHT. M-3
HUB OUTLET FOR SPRINKLER TEST CONN. LOCATE BEHIND DOOR
1½" E.W.C. WASTE
INV. ELEV. = 84'-1"
3"
C.O.
F.D.
4"
INV. ELEV. = 82'-0"
FOR CONT. SEE SHT. M-3
D.T.C.
℄ 4 GAS MAIN
K
H2
H1
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
12A
I

FOUNDATION PLAN (SOUTH)

SCALE 1/8"=1'-0"

NORTH

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT — MIDLAND, MICHIGAN
ROBERT J. DAVIS — STRUCTURAL ENGINEER — DETROIT, MICHIGAN
HYDE & BOBBIO INC. — MECHANICAL ENGINEER — DETROIT, MICHIGAN
D.C. OSTERHELD — FOOD SERVICE CONSULTANT — MADISON, WISCONSIN

CONSTRUCTION REVISED JULY 20 1960
BULL. NO. 30 7/20/60

R E V I S I O N S

DR
CK
APP

U N I V E R S I T Y C E N T E R B U I L D I N G
W A Y N E S T A T E U N I V E R S I T Y
D E T R O I T M I C H I G A N

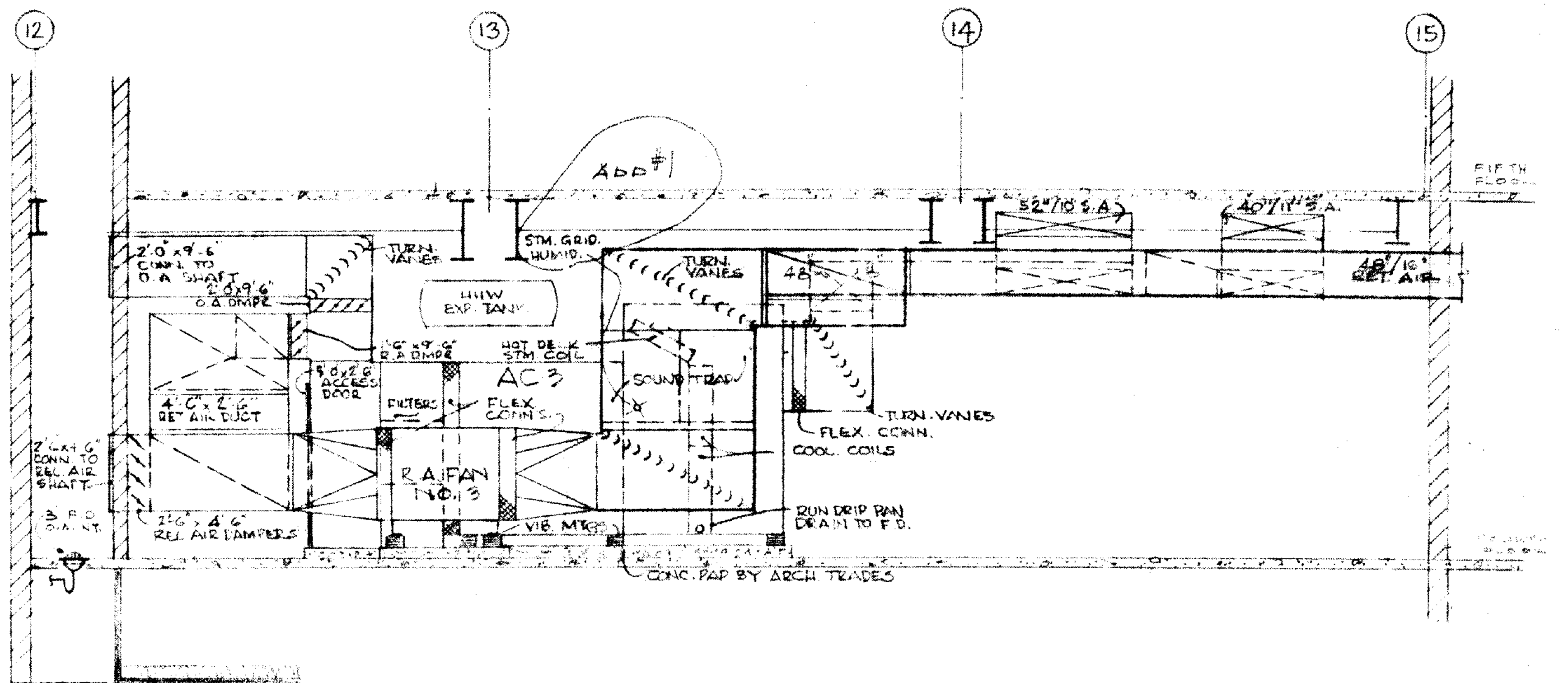
FOUNDATION PLAN (SOUTH)

SCALE 1/8"=1'-0"   DATE 6 MAY 1960

M
2

ELECTRIC BASEBOARD SCHEDULE				ELECTRIC BASEBOARD SCHEDULE			
ELEMENT	TOTAL WATTS	SECTION		ELEMENT	TOTAL WATTS	SECTION	
		NO. REQ'D.	LGTH. EA.			NO. REQ'D.	LGTH. EA.
EB-401	1200	4	2'	EB-421	600	2	2'
EB-402	1200	4	2'	EB-422	600	2	2'
EB-403	1200	4	2'	EB-423	600	2	2'
EB-404	900	3	2'	EB-424	300	1	2'
EB-405	1200	4	2'	EB-425	2@1250	2@1	2@8'
EB-406	3300	11	2'				
EB-407	600	2	2'	EB-427	900	3	2'
EB-408	600	2	2'				
EB-409	600	2	2'				
EB-410	900	3	2'				
EB-411	600	2	2'				
EB-412	600	2	2'				
EB-413	900	3'	2'				
EB-414	600	2	2'				
EB-415	900	3	2'				
EB-416	300	1	2'				
EB-417	300	1	2'				
EB-418	600	2	2'				
EB-419	600	2	2'				
EB-420	1600	2	5'				

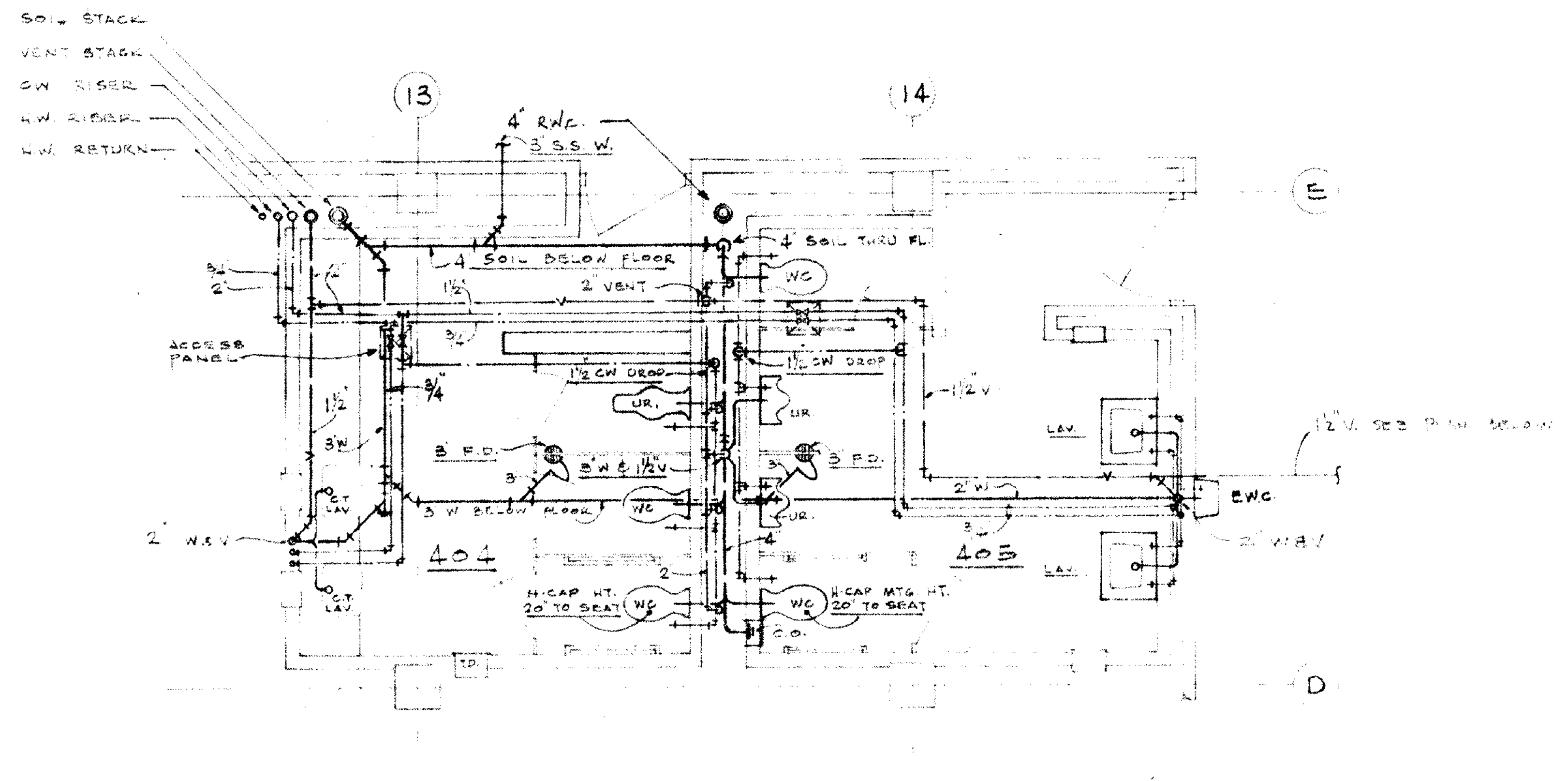
ELEMENTS EB-401 THRU EB-419, EB-421, EB-422, EB-423, EB-427 TO HAVE WALL TO WALL COVER.



12
13
14
15
ADD #1
FIFTH FLOOR
TURN VANES
STM. GRID HUMID.
HHW EXP. TANK
AC-3
R.A. FAN NO. 3
FLEX CONN.
COOL. COILS
RUN DRIP PAN DRAIN TO F.D.
RET. AIR DUCT
REL. AIR DAMPERS
CONC. PAD BY ARCH. TRADES
OUT AIR INTAKE

ELEVATION

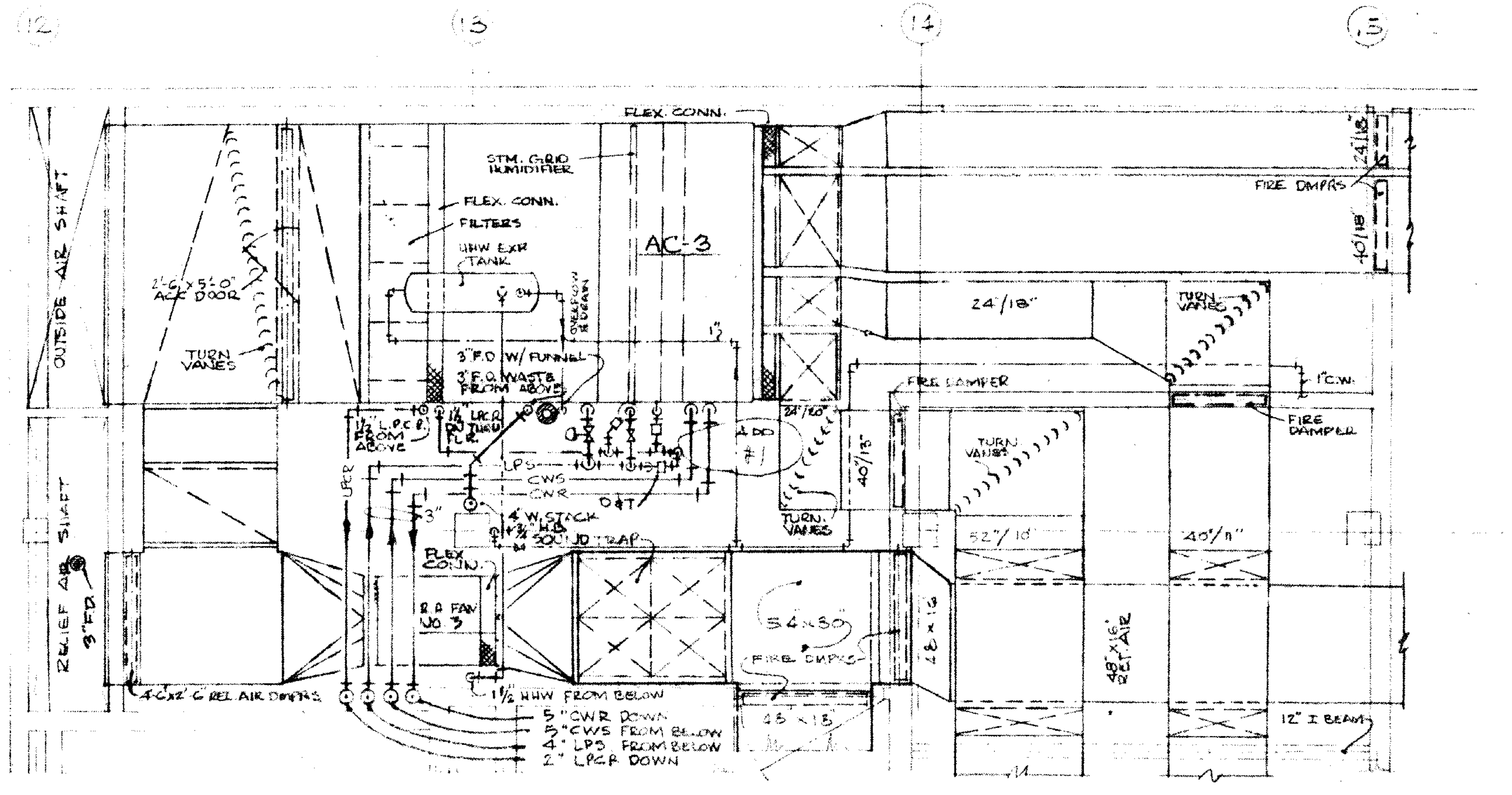
SCALE 1/4"=1'-0"



SOIL STACK
VENT STACK
C.W. RISER
H.W. RISER
H.W. RETURN
13
14
4" R.W.C.
4" SOIL BELOW FLOOR
2 VENT
ACCESS PANEL
B.F.D.
404
405
LAV.
EWC
2" W.&V.
H-CAP MTG. HT. 20" TO SEAT
E
D

WOMENS AND MENS TOILET ROOMS

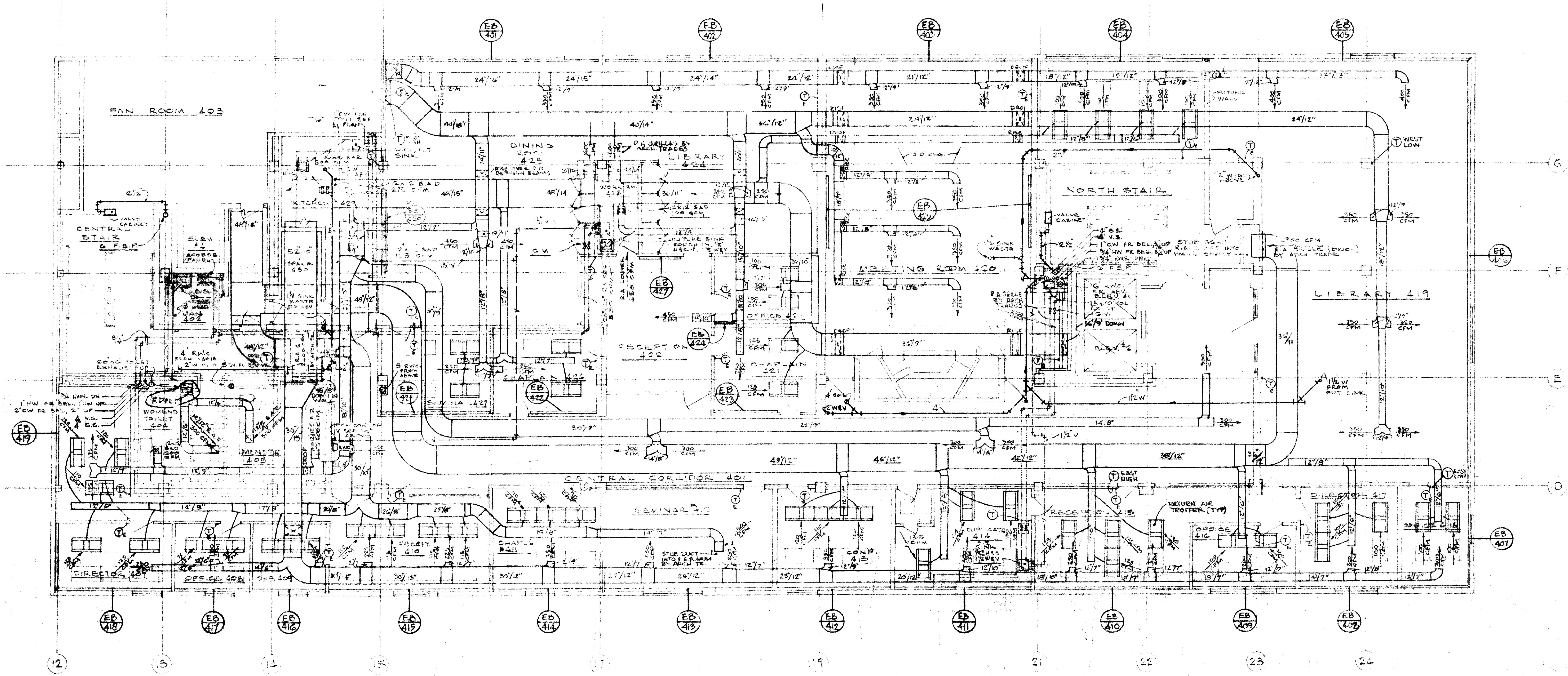
SCALE 1/4"=1'-0"



12
13
14
15
FLEX CONN.
STM. GRID HUMIDIFIER
FILTERS
HHW EXP. TANK
AC-3
FIRE DAMPER
24/18"
TURN VANES
OUTSIDE AIR SHAFT
RELIEF AIR SHAFT
R.A. FAN NO. 3
54x50
FIRE DAMPER
G
1 1/2 HHW FROM BELOW
2" CWS FROM BELOW
2" LPCR DOWN

MECHANICAL EQUIPMENT ROOM PLAN

SCALE 1/4"=1'-0"



FAN ROOM 403
CENTRAL STAIR
DINING 425
LIBRARY 424
KITCHEN
NORTH STAIR
MEETING ROOM 420
LIBRARY 419
RECEPTION 422
CENTRAL CORRIDOR 401
SEMINAR 412
WOMENS TOILET 404
MENS TR. 405
DIRECTOR
OFFICE 408
OFFICE 410
OFFICE 414
OFFICE 415
CONF. 413
G
F
E
D
12
13
14
15
17
19
21
22
23
24

FOURTH FLOOR PLAN

SCALE 1/8"=1'-0"

NORTH

GENERAL NOTES:
ELECTRIC THERMOSTATS (T)E AND ELECTRIC BASEBOARD (EB/400) SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AND ARE SHOWN FOR REFERENCE ONLY.

CONSTRUCTION REVISED JULY 30 1966
BULL. 30 FI. 30-66

R E V I S I O N S

DR. J.P.Y.
CK. J.P.Y.
APP. J.B.

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT — MIDLAND, MICHIGAN
ROBERT J. DAVIS — STRUCTURAL ENGINEER — DETROIT, MICHIGAN
HYDE & BOBBIO, INC. — MECHANICAL ENGINEER — DETROIT, MICHIGAN
D.C. OSTERHELD — FOOD SERVICE CONSULTANT — MADISON, WISCONSIN

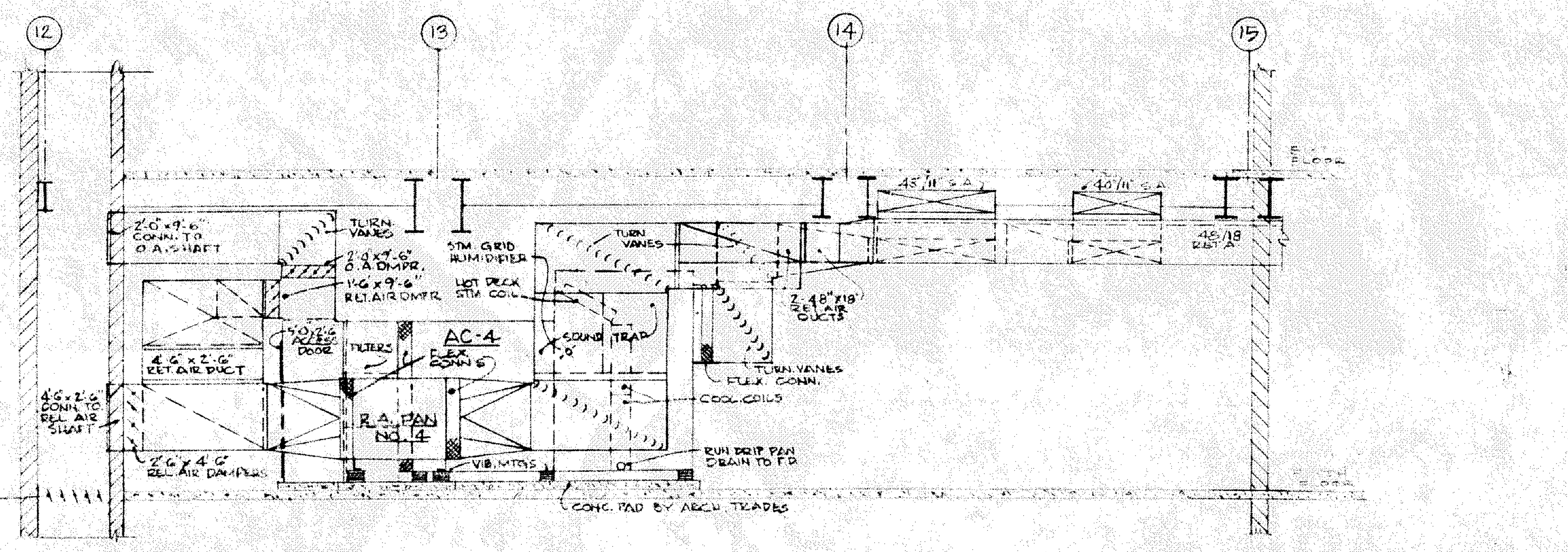
UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

FOURTH FLOOR PLAN
SCALE 1/8"=1'-0" DATE: 6 MAY 1966

M
20

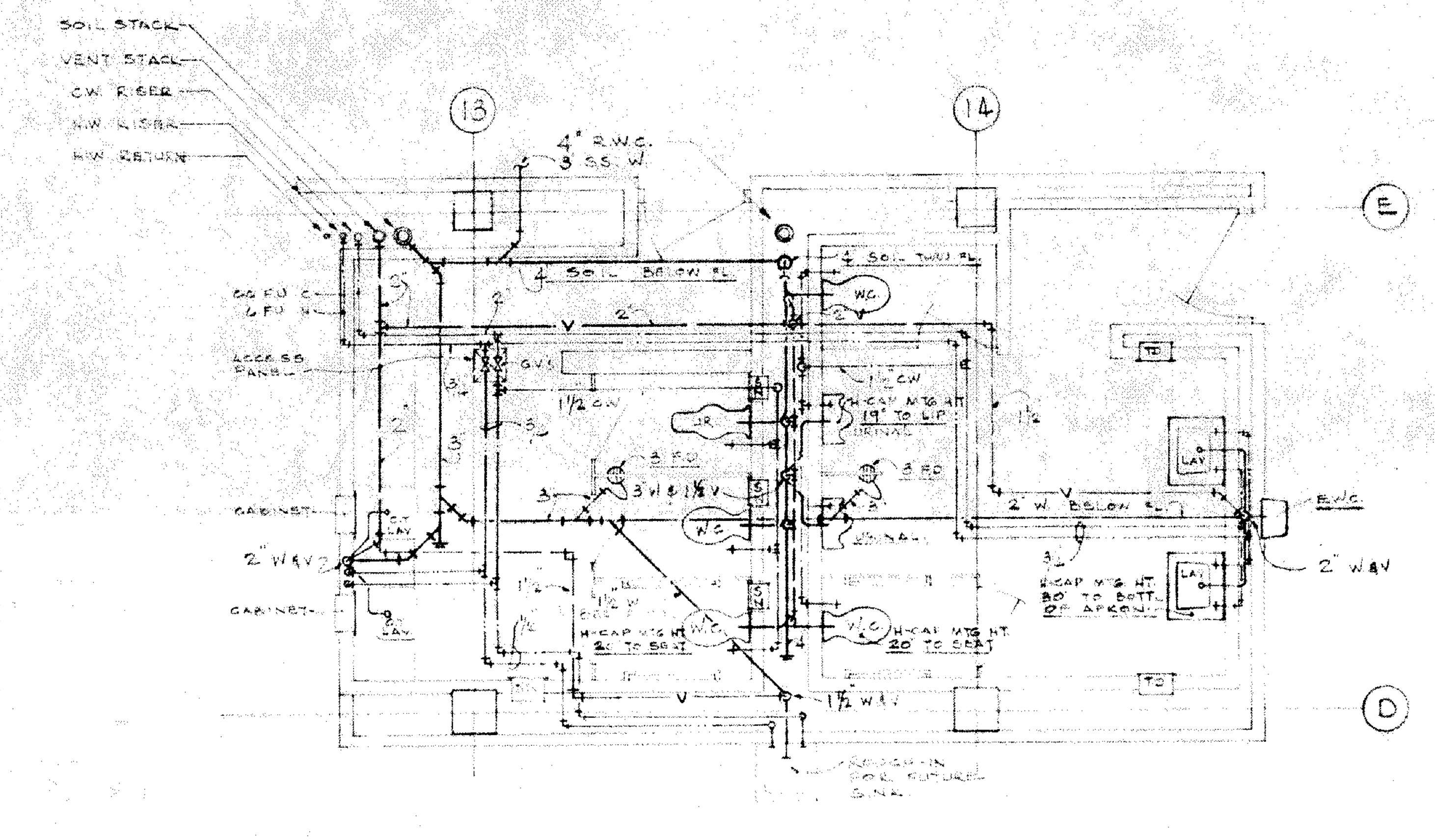
ELECTRIC BASEBOARD SCHEDULE				ELECTRIC BASEBOARD SCHEDULE			
ELEMENT	TOTAL WATTS	SECTION		ELEMENT	TOTAL WATTS	SECTION	
		NO. REQ'D	LGTH. EA.			NO. REQ'D	LGTH. EA.
EB-501	1200	2 @ 2	2 @ 2'				
EB-502	300	1	2'				
EB-503	900	3	2'	EB-523	1250	1	8'
EB-504	600	2	2'	EB-524	1250	1	8'
EB-505	1200	4	2'	EB-525	900	3	2'
EB-506	600	2	2'	EB-526	900	3	2'
EB-507	600	2	2'	EB-527	600	2	2'
EB-508	300	1	2'	EB-528	300	1	2'
EB-509	300	1	2'	EB-529	600	2	2'
EB-510	600	2	2'	EB-530	300	1	2'
EB-511	900	3	2'	EB-531	300	1	2'
EB-512	1500	5	2'	EB-532	2 @ 600	2 @ 2	2 @ 2'
EB-513	300	1	2'	EB-533	300	1	2'
EB-514	600	2	2'	EB-534	300	1	2'
EB-515	600	2	2'	EB-535	300	1	2'
EB-516	600	2	2'	EB-536	900	3	2'
EB-517	900	3	2'				
EB-518	1200	4	2'				
EB-519	1800	6	2'				
EB-520	600	2	2'				

ELEMENTS EB-501 THRU EB-520 PLUS EB-523 EXCEPT EB-502 TO HAVE W/W COVER.
EB-502 IN STORAGE ROOM 532 TO BE OMITTED


12
13
14
15
AC-4
R.A. FAN NO. 4
TURN VANES
STM. GRID HUMIDIFIER
FILTERS
SOUND TRAP
FLEX CONN.
COOL COILS
CONC. PAD BY ARCH. TRADES
FLOOR

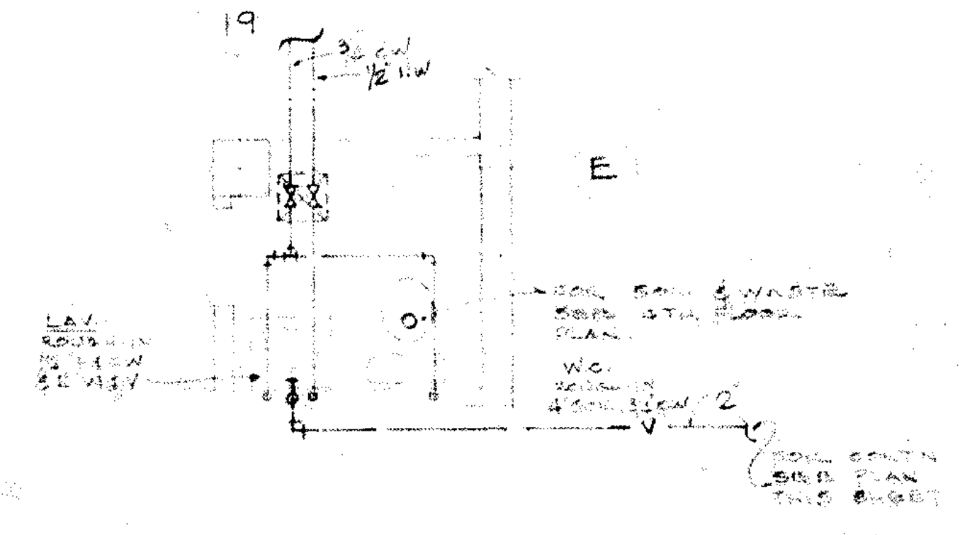
ELEVATION

SCALE ¼"=1'-0"


SOIL STACK
VENT STACK
C.W. RISER
H.W. RISER
H.W. RETURN
13
14
E
D
4" R.W.C.
3" S.S.W.
2" W.&V.
CABINET

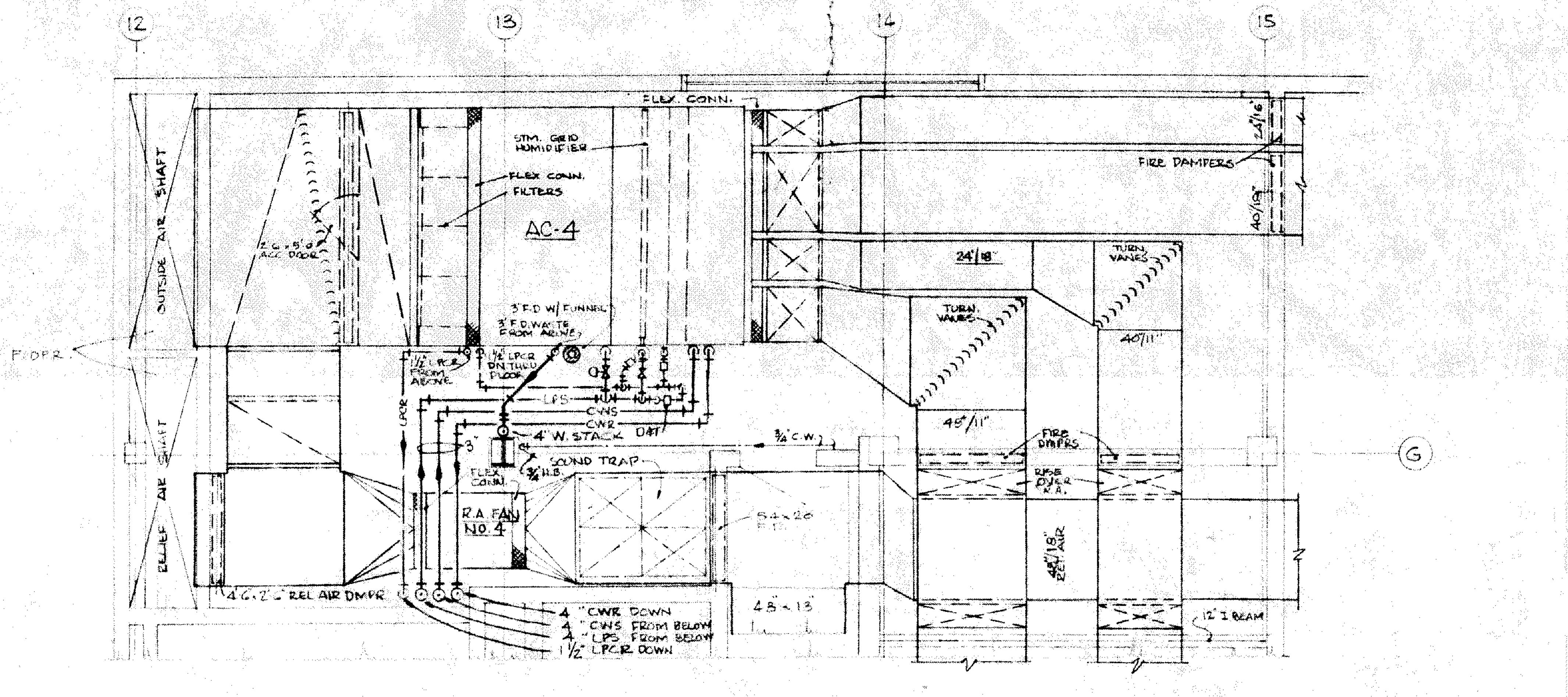
WOMENS AND MENS TOILET RMS

SCALE ¼"=1'-0"



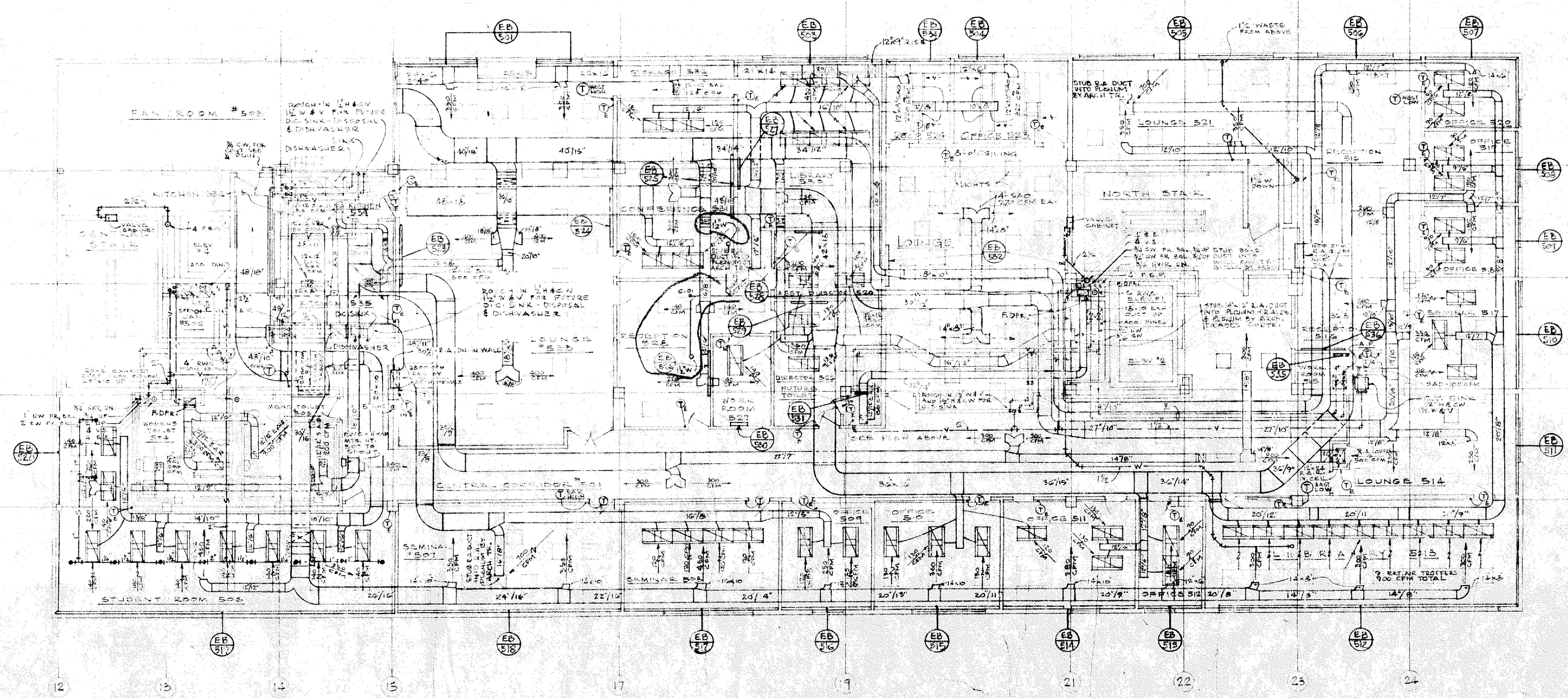
FUTURE TOILET RM

SCALE ¼"=1'-0"


12
13
14
15
G
AC-4
R.A. FAN NO. 4
OUTSIDE AIR SHAFT
EXH. AIR SHAFT
STM. GRID HUMIDIFIER
FLEX CONN.
FILTERS
SOUND TRAP
FIRE DAMPERS
TURN VANES
4" CWR DOWN
4" CWS FROM BELOW
1½" LPS FROM BELOW
1½" LPCR DOWN
4" W. STACK
FLOOR

MECHANICAL EQUIPMENT ROOM PLAN

SCALE ¼"=1'-0"


FAN ROOM 503
KITCHEN 534
LOUNGE 533
LOUNGE 521
LOUNGE 514
NORTH STAIR
CHECKROOM
LIBRARY 526
LIBRARY 513
OFFICE 500
OFFICE 510
OFFICE 508
OFFICE 511
OFFICE 504
OFFICE 517
SEMINAR 507
SEMINAR 505
CENTRAL CORRIDOR 501
STUDENT ROOM 506
RECEPTION
LOUNGE
G
F
E
D
12
13
14
15
17
19
21
22
23
24
EB 501
EB 503
EB 504
EB 505
EB 506
EB 507
EB 508
EB 509
EB 510
EB 511
EB 512
EB 513
EB 514
EB 515
EB 516
EB 517
EB 518
EB 519
EB 520

FIFTH FLOOR PLAN

SCALE ⅛"=1'-0"

NORTH

GENERAL NOTES:
ELECTRIC THERMOSTATS Ⓣ AND ELECTRIC BASEBOARD EB 500 SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AND ARE SHOWN FOR REFERENCE ONLY.

DR. JPY
CK. JPY
APP. JBS

CONSTRUCTION REVISED MAY 30, 1966
BULL. 60 30 JUNE 67
REVISIONS

ALDEN B. DOW ASSOCIATES, INC. – ARCHITECT MIDLAND, MICHIGAN
ROBERT J. DAVIS STRUCTURAL ENGINEER DETROIT, MICHIGAN
HYDE & BOBBIO INC. MECHANICAL ENGINEER DETROIT, MICHIGAN
D.C. OSTERHELD FOOD SERVICE CONSULTANT MADISON, WISCONSIN

UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT, MICHIGAN

FIFTH FLOOR PLAN
SCALE: ⅛"=1'-0"
DATE: 6 MAY 1966

M
21

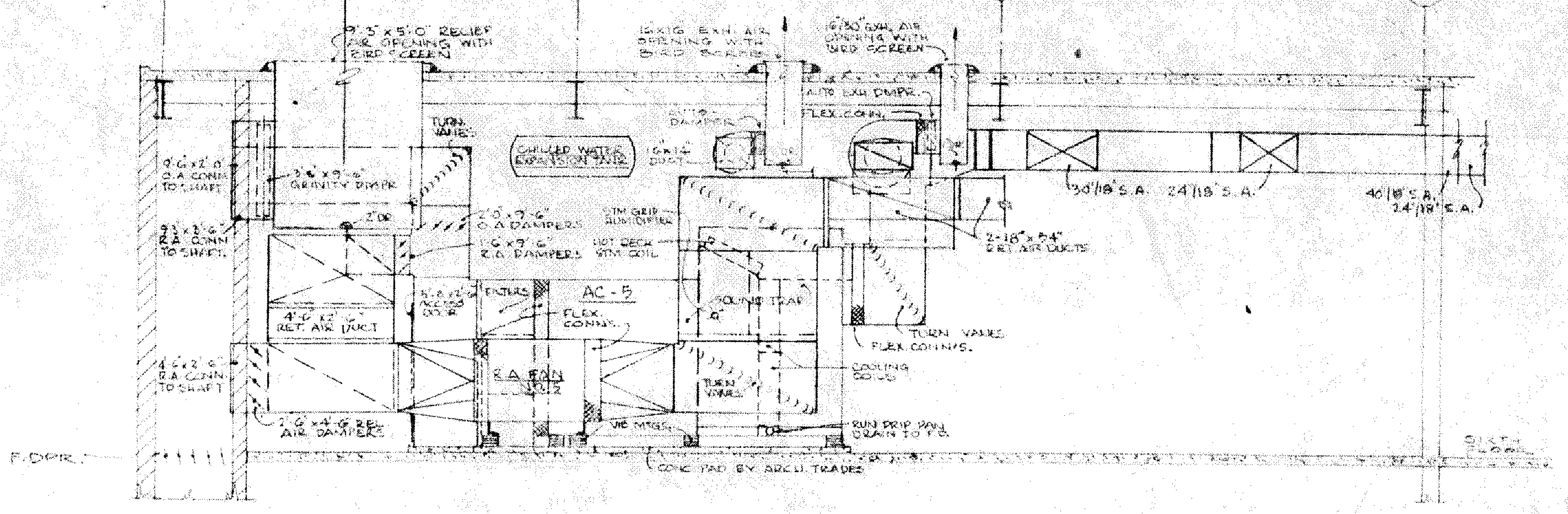
ELECTRIC BASEBOARD SCHEDULE

ELEMENT	TOTAL WATTS	SECTION NO. REQ'D.	SECTION LGTH. EA.
EB-601	900	3	2'
EB-602	900	3	2'
EB-603	600	2	2'
EB-604	600	2	2'
EB-605	600	2	2'
EB-606	600	2	2'
EB-608	1200	4	2'
EB-609	2400	8	2'
EB-610	600	2	2'
EB-611	300	1	2'
EB-612	300	1	2'
EB-613	300	1	2'
EB-614	300	1	2'
EB-615	1800	6	2'
EB-616	300	1	2'
EB-617	600	2	2'
EB-618	1500	5	2'
EB-619	600	2	2'
EB-620	1500	5	2'

ELECTRIC BASEBOARD SCHEDULE

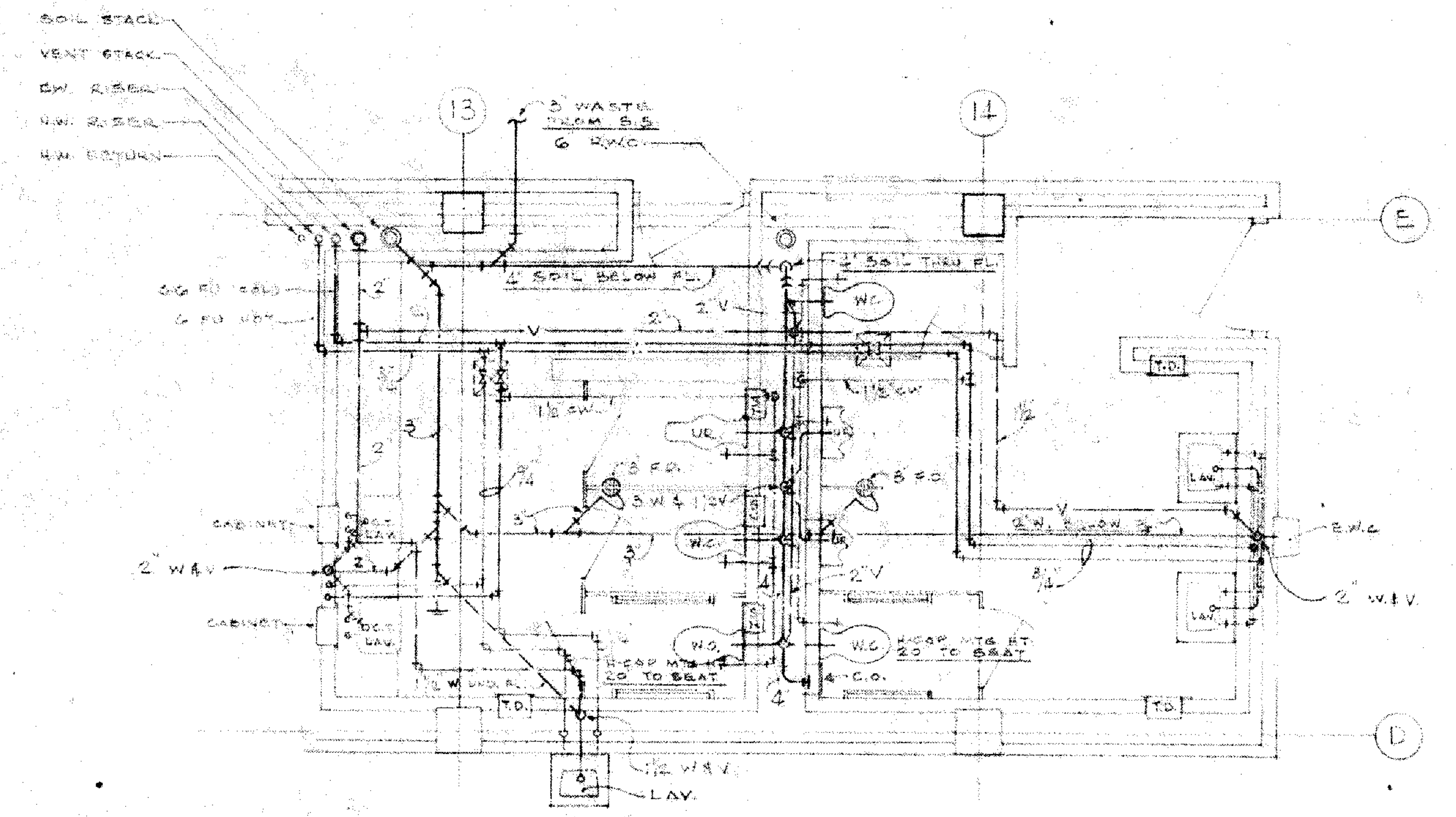
ELEMENT	TOTAL WATTS	SECTION NO. REQ'D.	SECTION LGTH. EA.
EB-621	300	1	2'
EB-622	300	1	2'
EB-623	800	1	5'
EB-624	1250	1	8'
EB-625	800	1	5'
EB-626	800	1	5'
EB-627	1250	1	8'
EB-628	1250	1	8'
EB-629	600	2	2'

ELEMENTS EB-601 THRU EB-620 + EB-624, EB-626 & EB-629 TO HAVE WALL TO WALL COVERS.


12
13
14
15
AC-5
R.A. FAN
FLEX. CONN.
TURN VANES
F. DPR.
CHILLED WATER
COOLING COIL
FIRE DAMPERS

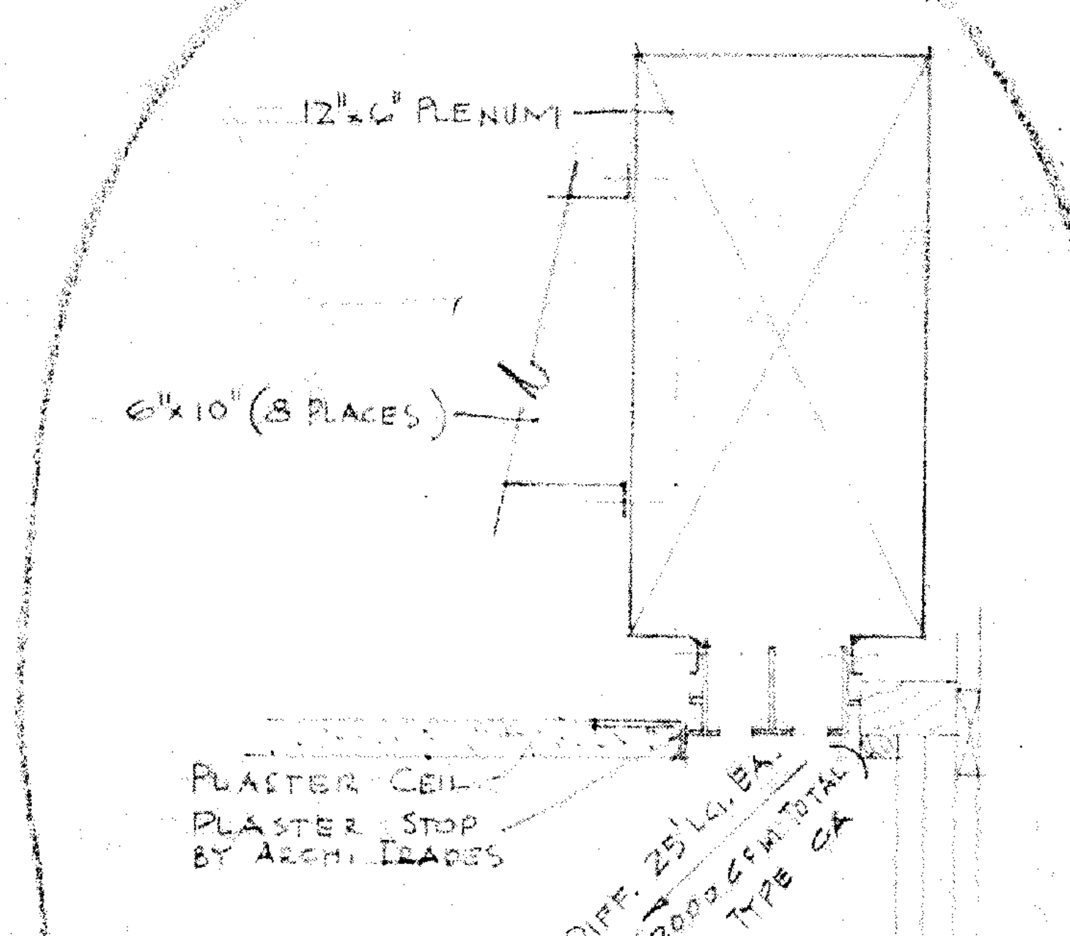
ELEVATION

SCALE 1/4"=1'-0"


SOIL STACK
VENT STACK
C.W. RISER
H.W. RISER
H.W. RETURN
13
14
3" WASTE FROM S.S.
6" RWC
4" SOIL BELOW FL.
2" W&V
LAV.
E
D

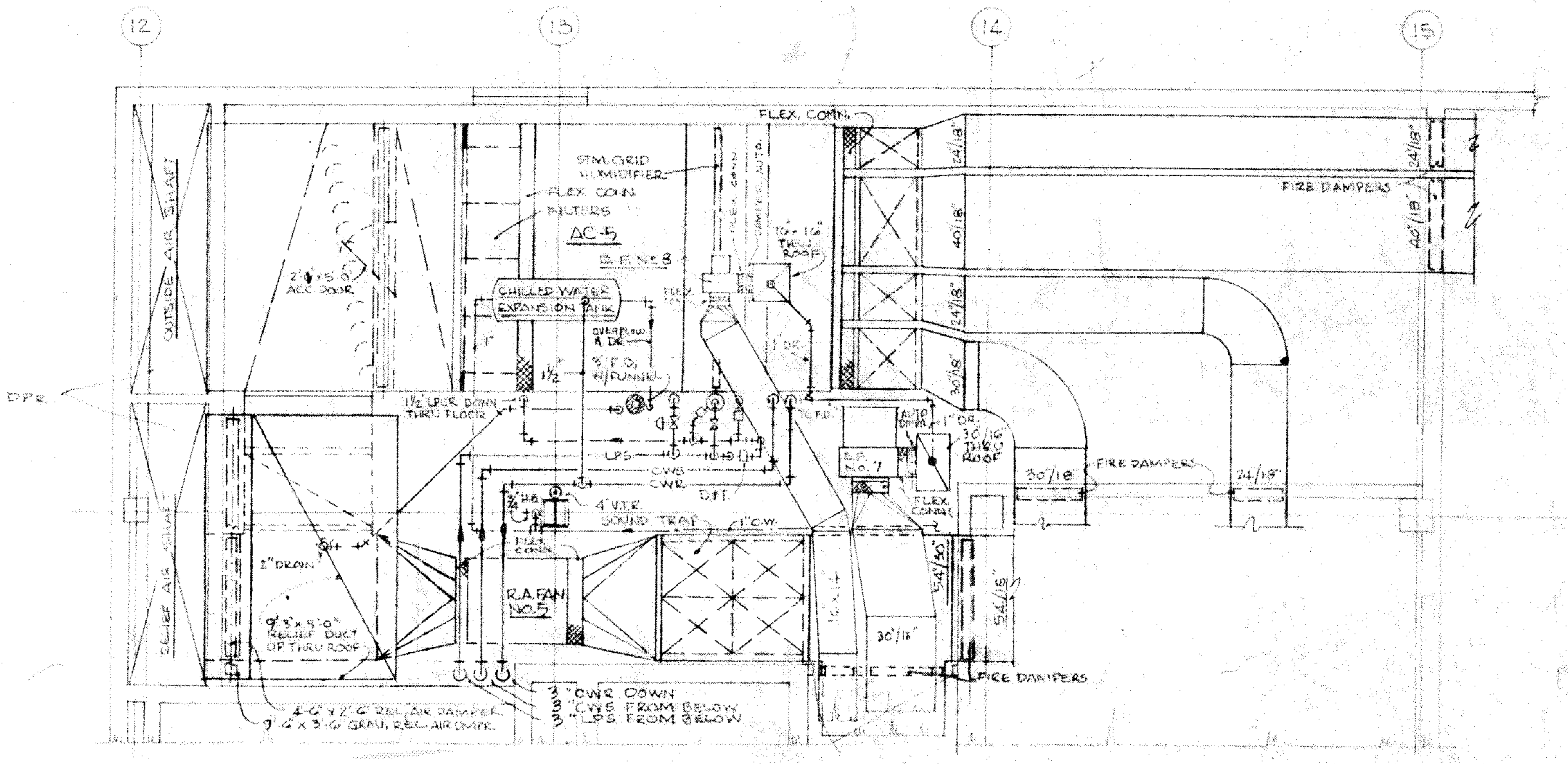
WOMENS AND MENS TOILET RMS

SCALE 1/4"=1'-0"


12"x6" PLENUM
6"x10" (8 PLACES)
PLASTER CEIL.
PLASTER STOP BY ARCH. TRADES
2-2 SLOT DIFF. 25 LGH. EA.
40 CFM/FT. (2000 CFM TOTAL)
BARBER-COLMAN TYPE

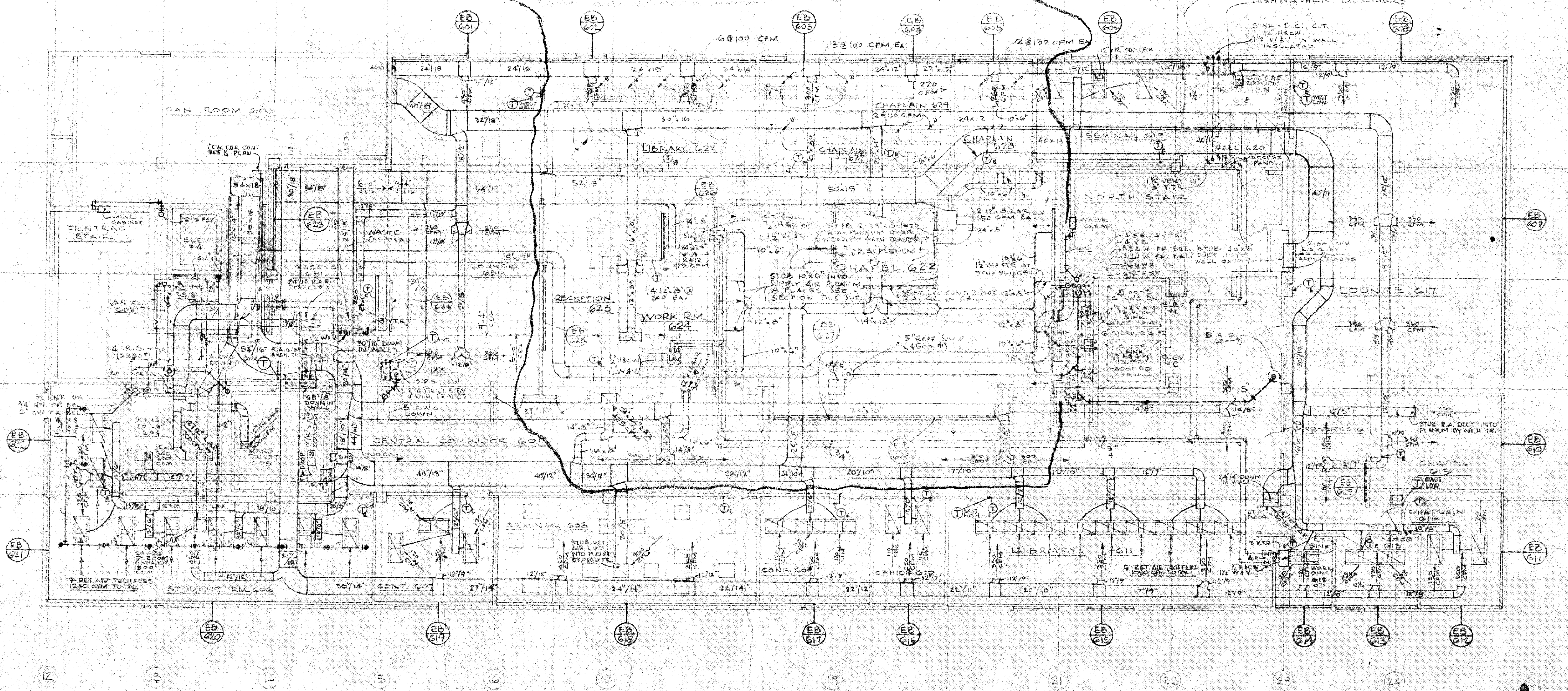
DETAIL OF SLOT DIFFUSER MOUNTING IN CHAPEL 622

SCALE 3"=1'-0"


12
13
14
15
FLEX. CONN.
STM. GRID HUMIDIFIER
FLEX. CONN.
FILTERS
AC-5
CHILLED WATER COOLING COIL
R.A. FAN NO. 5
FIRE DAMPERS
F. DPR.
G

MECHANICAL EQUIPMENT RM PLAN

SCALE 1/4"=1'-0"


FAN ROOM 600
CENTRAL STAIR
LIBRARY 622
CHAPLAIN 629
CHAPEL 622
SEMINAR 619
NORTH STAIR
RECEPTION 625
WORK RM. 624
LOUNGE 617
CENTRAL CORRIDOR 601
SEMINAR 632
STUDENT RM. 603
CONF. 607
CONF. 609
OFFICE 613
LIBRARY 611
CHAPEL 615
WASTE DISPOSAL
DISHWASHER BY OTHERS
6@100 CFM
13@100 CFM EA.
12@100 CFM EA.
12
13
14
15
16
17
18
19
20
21
22
23
24
G
F
E
D

SIXTH FLOOR PLAN

SCALE 1/8"=1'-0"

NORTH

GENERAL NOTES

ELECTRIC THERMOSTATS Ⓣ'S AND ELECTRIC BASEBOARD SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AND ARE SHOWN FOR REFERENCE ONLY.

SIXTH FLOOR PLAN
SCALE: 1/8"=1'-0"
DATE: 6 MAY 1966

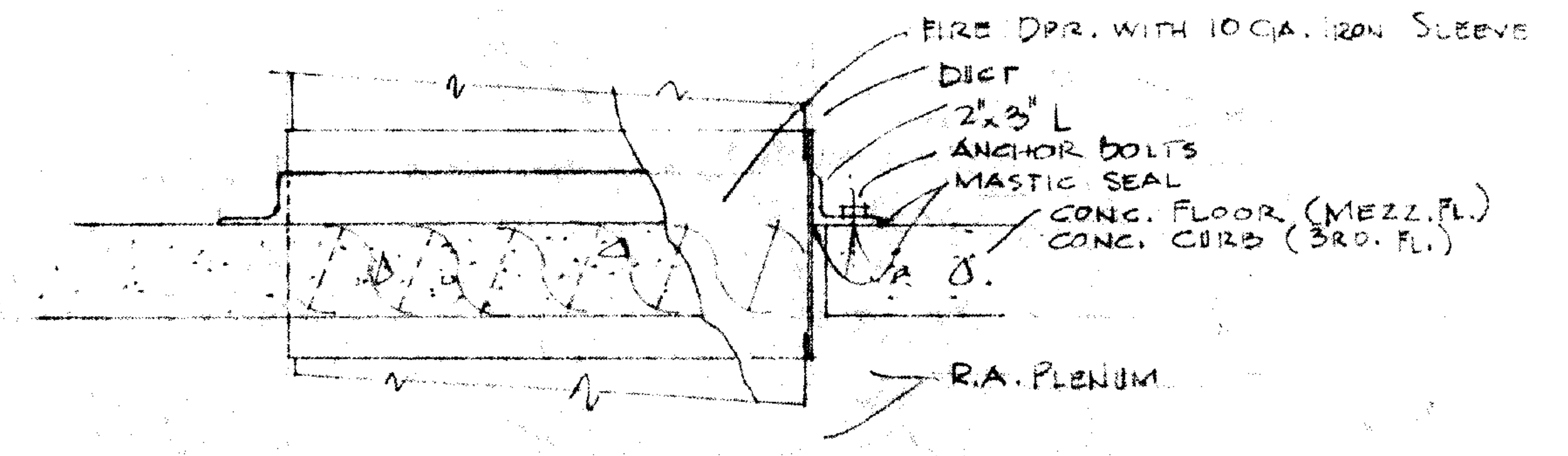
UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT MIDLAND, MICHIGAN
ROBERT J. DAVIS STRUCTURAL ENGINEER DETROIT, MICHIGAN
HYDE & BOBBIO, INC. MECHANICAL ENGINEER DETROIT, MICHIGAN
D.C. OSTERHELD FOOD SERVICE CONSULTANT MADISON, WISCONSIN

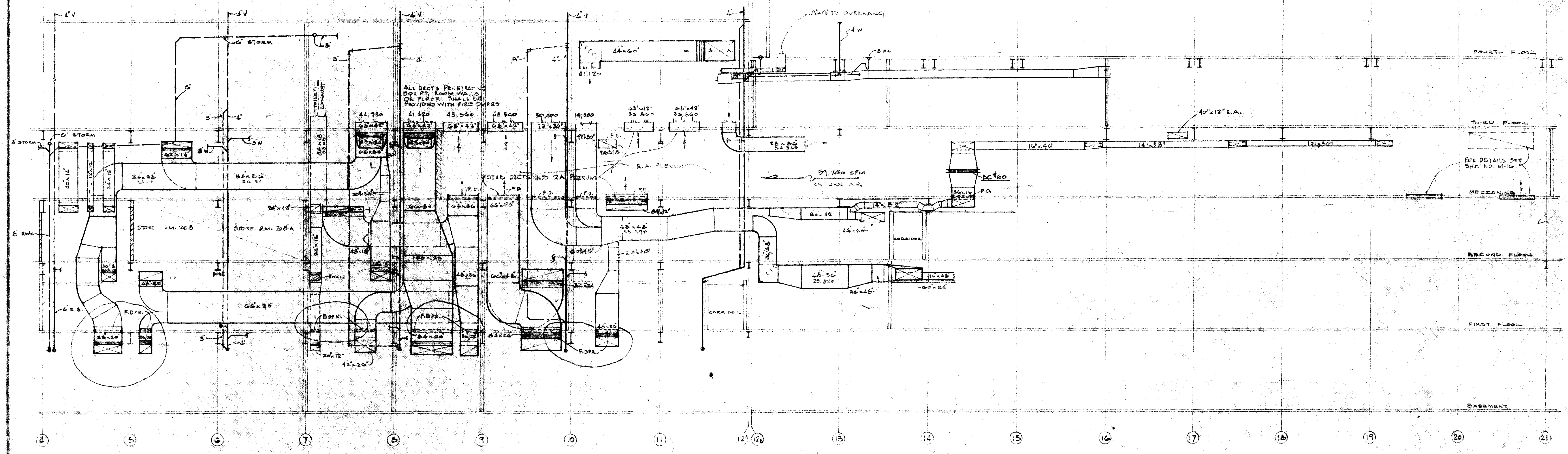
CONSTRUCTION REVISED JULY 1966
BULL. 60 June 30 67
REVISIONS

DR. J.P.K.
CK. J.P.K.
APP. J.S.B.

M
22


FIRE DPR. WITH 10 GA. IRON SLEEVE
DUCT
2"x3" L
ANCHOR BOLTS
MASTIC SEAL
CONC. FLOOR (MEZZ. FL.)
CONC. CURB (3RD. FL.)
R.A. PLENUM

TYPICAL DETAIL FOR DUCT PENETRATION INTO RETURN AIR PLENUM
SCALE 1½"=1'-0"


4"V
6" STORM
3" STORM
8" RWC
4" S.S.
STORE RM. 208
STORE RM. 208A
TOILET EXHAUST
ALL DUCTS PENETRATING EQUIPT. ROOM WALLS OR FLOOR SHALL BE PROVIDED WITH FIRE DMPRS
44,950
41,420
43,560
43,560
30,000
14,000
44x60"
41,120
STUB DUCTS INTO R.A. PLENUM
R.A. PLENUM
F.D.
F.DPR.
66"x20"
180"x32
66"x48"
48"x48"
20"x48"
20"x12"
42"x26"
64"x24"
CORRIDOR
18'-2" OVERHANG
59,280 CFM RETURN AIR
40"x12" R.A.
FOR DETAILS SEE SHT. NO. M-16
FOURTH FLOOR
THIRD FLOOR
MEZZANINE
SECOND FLOOR
FIRST FLOOR
BASEMENT
4
5
6
7
8
9
10
11
12
12a
13
14
15
16
17
18
19
20
21

SECTION THRU MAIN DUCT SHAFT
SCALE 1/8"=1'-0"

NORTH

UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

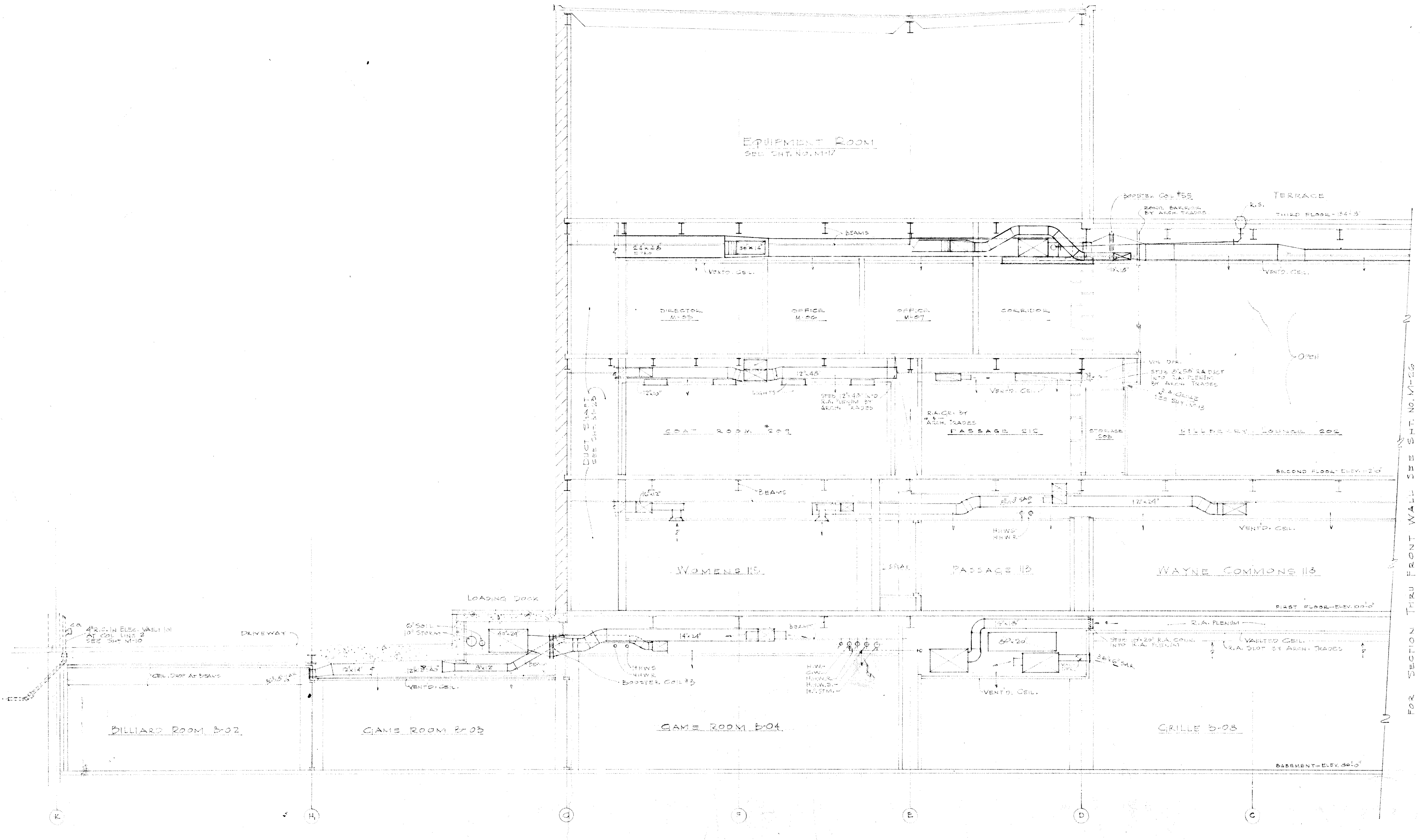
ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT — MIDLAND, MICHIGAN
ROBERT J. DAVIS — STRUCTURAL ENGINEER — DETROIT, MICHIGAN
HYDE & BOBBIO INC. — MECHANICAL ENGINEER — DETROIT, MICHIGAN
D.C. OSTERHELD — FOOD SERVICE CONSULTANT — MADISON, WISCONSIN

Bul. 30 12-30-66
REVISIONS

DR WV
CK JPV
APP JSB

SECTION THRU MAIN DUCT SHAFT
SCALE 1/8"=1'-0"
DATE 6 MAY 1966

M 23


EQUIPMENT ROOM
SEE SHT. NO. M-17
BOOSTER COIL #55
ZONE BARRIER BY ARCH. TRADES
TERRACE
R.S.
THIRD FLOOR-134'-8"
BEAMS
24x48
30"x14"
VENT'D. CEIL.
19"x18"
DIRECTOR M-05
OFFICE M-06
OFFICE M-07
CORRIDOR
OPEN
VOL. DPR.
STUB 8"x58" RA DUCT INTO R.A. PLENUM BY ARCH. TRADES
R.A. GRILLE SEE SHT. M-13
12"x10"
LIGHTS
12"x48"
STUB 12"x48" INTO R.A. PLENUM BY ARCH. TRADES
R.A. GRI. BY ARCH. TRADES
DUCT SHAFT SEE SHT. M-25
COAT ROOM #209
PASSAGE 210
STORAGE 208
HILLBERRY LOUNGE 202
SECOND FLOOR-ELEV. 112'-0"
16"x12"
BEAMS
12"x24"
H.W.S.
H.W.R.
WOMENS 115
STAIR
PASSAGE 113
WAYNE COMMONS 118
FIRST FLOOR-ELEV. 100'-0"
LOADING DOCK
4"R.C. IN ELEC. VAULT 101 AT COL. LINE 2 SEE SHT. M-10
DRIVEWAY
6" SOIL
10" STORM
40"x24"
14"x24"
12"x14"
12"x12" R.A.
36"x12"
CEIL. DROP AT BEAMS
VENT'D. CEIL.
BEAM
H.W.S.
H.W.R.
BOOSTER COIL #3
H.W.
C.W.
H.H.W.R.
H.H.W.S.
H.P. STM.
14"x18"
84"x20"
R.A. PLENUM
STUB 10"x20" R.A. COLN. INTO R.A. PLENUM
VAULTED CEIL.
R.A. SLOT BY ARCH. TRADES
VOL. DPR.
36"x6" SAR.
BILLIARD ROOM B-02
GAME ROOM B-03
GAME ROOM B-04
GRILLE B-08
BASEMENT-ELEV. 86'-0"
FOR SECTION THRU FRONT WALL SEE SHT. NO. M-26
K
H1
G
F
E
D
C

SECTION LOOKING NORTH AT COLUMN ROW 7

SCALE ¼"=1'-0"

DR. WV
CK. JPY
APP. JSB

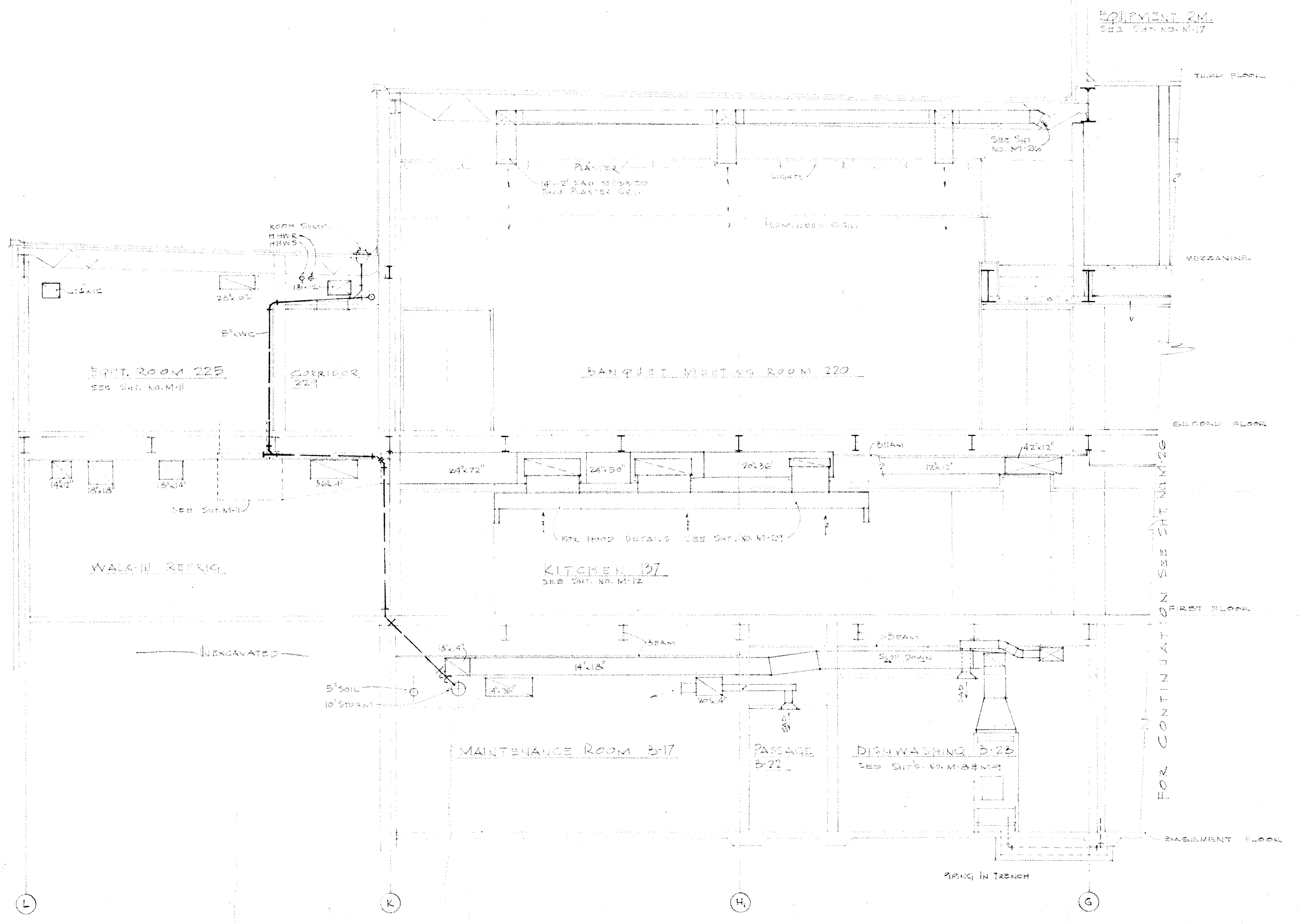
R E V I S I O N S

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT MIDLAND, MICHIGAN
ROBERT J. DAVIS STRUCTURAL ENGINEER DETROIT, MICHIGAN
HYDE & BOBBIO INC. MECHANICAL ENGINEER DETROIT, MICHIGAN
D.C. OSTERHELD FOOD SERVICE CONSULTANT MADISON, WISCONSIN

U N I V E R S I T Y C E N T E R B U I L D I N G
W A Y N E S T A T E U N I V E R S I T Y
D E T R O I T M I C H I G A N

BUILDING SECTION AT
COLUME #7
SCALE: 1/8"=1'-0" DATE: 6 MAY 1966

M
24


EQUIPMENT RM.
SEE SHT. NO. M-17
THIRD FLOOR
SEE SHT NO. M-26
PLASTER
14"×2" SAD STEPPED THRU PLASTER CEIL.
LIGHTS
LUMINOUS CEIL.
MEZZANINE
BANQUET MEETING ROOM 220
SECOND FLOOR
ROOM SUMP
HHWR
HHWS
14×12
28×10"
18×12
5" KWC
EQPT. ROOM 225
SEE SHT. NO. M-11
CORRIDOR 221
14"×12"
18"×18"
18"×14"
36"×14"
SEE SHT. M-11
24"×72"
24"×50"
20"×36"
BEAM
12"×12"
42"×12"
FOR HOOD DETAILS SEE SHT. NO. M-29
WALK-IN REFRIG.
KITCHEN 137
SEE SHT. NO. M-12
FOR CONTINUATION SEE SHT NO. M-26
FIRST FLOOR
UNEXCAVATED
BEAM
18"×14"
14"×18"
5" SOIL
10" STORM
14"×36"
20"×14"
BEAM
5"×20" DOWN
SAD
MAINTENANCE ROOM B-17
PASSAGE B-22
DISHWASHING B-23
SEE SHTS. NO. M-8 & M-9
BASEMENT FLOOR
PIPING IN TRENCH
L
K
H₁
G

SECTION LOOKING NORTH AT COLUMN LINE 17

SCALE 1/4"=1'-0"

PART BUILDING SECTION AT
COLUMN 17 (SOUTH)
SCALE: 1/8"=1'-0" DATE: 6 MAY 1966

UNIVERSITY CENTER BUILDING
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ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT MIDLAND, MICHIGAN
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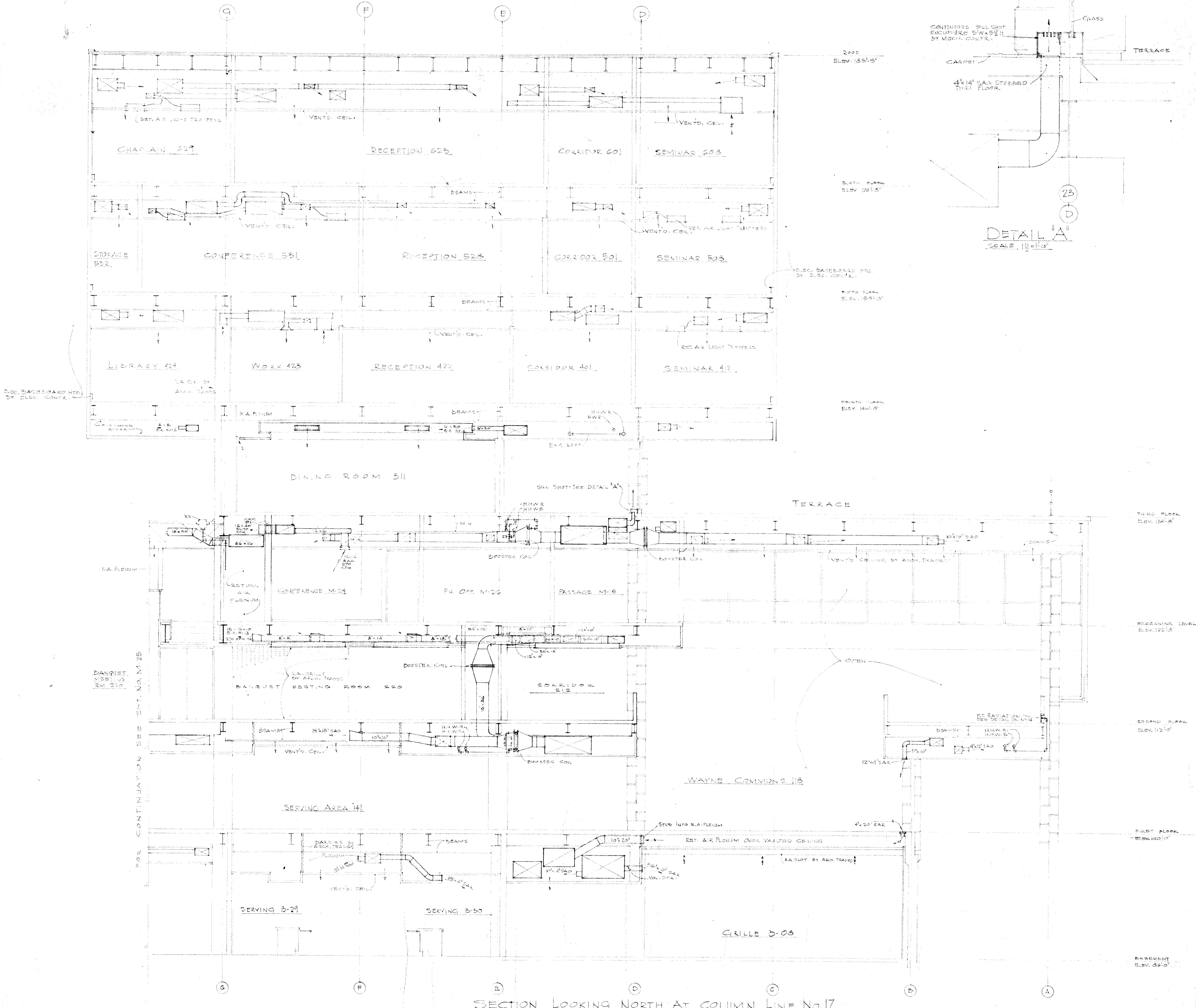
HYDE & BOBBIO INC. MECHANICAL ENGINEER DETROIT, MICHIGAN
D.C. OSTERHELD FOOD SERVICE CONSULTANT MADISON, WISCONSIN

REVISIONS

DR. WV
CK. JPY
APP. JSD

M
25


G
F
E
D
C
B
A
23
ROOF
ELEV. 185'-5"
SIXTH FLOOR
ELEV. 170'-8"
FIFTH FLOOR
ELEV. 158'-8"
FOURTH FLOOR
ELEV. 146'-8"
THIRD FLOOR
ELEV. 134'-8"
MEZZANINE LEVEL
ELEV. 122'-8"
SECOND FLOOR
ELEV. 112'-0"
FIRST FLOOR
ELEV. 100'-0"
BASEMENT
ELEV. 86'-0"
CHAPLAIN 629
RECEPTION 623
CORRIDOR 601
SEMINAR 608
RET. AIR LIGHT TROFFERS
VENT'D. CEIL.
BEAMS
STORAGE 532
CONFERENCE 531
RECEPTION 528
CORRIDOR 501
SEMINAR 508
RET. AIR LIGHT TROFFERS
ELEC. BASEBOARD HTG. BY ELEC. CONTR.
LIBRARY 424
WORK 428
RECEPTION 422
CORRIDOR 401
SEMINAR 412
S.A. GR. BY ARCH. TRADES
R.A. PLENUM
4x6 S.A. OUTS
6x30 S.A. REG.
6"x30"
H.H.W.R.
H.W.R.
EXP. LOOP
DINING ROOM 311
SILL SHOT-SEE DETAIL "A"
H.H.W.R.
H.H.W.S.
TERRACE
RS
10"x50"
FIRE DPR.
12x40
46x16
12x6
S.A. PLENUM
RETURN AIR PLENUM
BOOSTER COIL
VENT'D CEILING BY ARCH. TRADES
10"x10" SAO
CONFERENCE M-24
PH. OFF. M-26
PASSAGE M-15
OPEN
8x8
8x14
8x18
12"x10"
30"x10"
R.A. GRILLE BY ARCH. TRADES
BANQUET MEETING ROOM 220
CORRIDOR 212
16"x36"
BANQUET MEETING RM. 220
FOR CONTINUATION SEE SHT. NO. M-25
14"x18" SAO
10"x16"
H.H.W.R.
H.H.W.S.
F.T. RADIATION SEE DETAIL ON M-4
4"x12" SAO
5"x10"
12"x4" SAR
WAYNE COMMONS 118
SERVING AREA 141
BARRIER BY ARCH. TRADES
PLENUM
STUB INTO R.A. PLENUM
10"x20"
4"x20" RAR
RET. AIR PLENUM OVER VAULTED CEILING
R.A. SLOT BY ARCH. TRADES
VOL. DPR.
SERVING B-29
SERVING B-30
GRILLE B-08
CONTINUOUS SILL SHOT ENCLOSURE 5"W x 5½"H BY MECH. CONTR.
GLASS
TERRACE
CARPET
4"x14" SAO STUBBED THRU FLOOR

DETAIL "A"
SCALE 1½"=1'-0"

SECTION LOOKING NORTH AT COLUMN LINE No. 17
SCALE 1/8"=1'-0"

DR. WV
CK. JPY
APP. JSB

R E V I S I O N S

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT — MIDLAND, MICHIGAN
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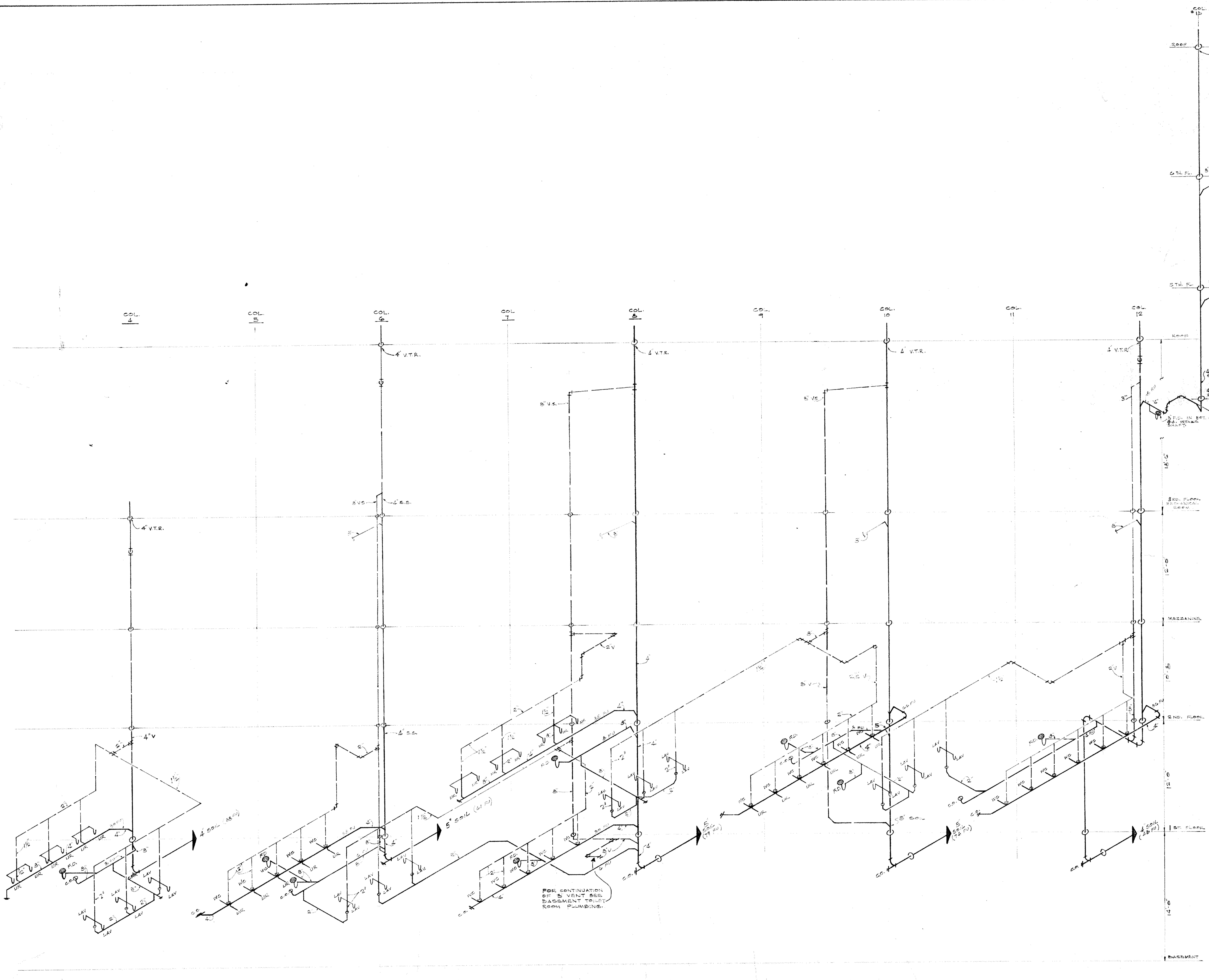
HYDE & BOBBIO INC. — MECHANICAL ENGINEER — DETROIT, MICHIGAN
D.C. OSTERHELD — FOOD SERVICE CONSULTANT — MADISON, WISCONSIN

UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

PART BUILDING SECTION AT
COLUME "17 (NORTH)
SCALE: 1/8"=1'-0" DATE: 6 MAY 1960

M 26


COL. 4
COL. 5
COL. 6
COL. 7
COL. 8
COL. 9
COL. 10
COL. 11
COL. 12
COL. 13
ROOF
6TH. FL.
5TH. FL.
4TH FLOOR
3RD. FLOOR MECHANICAL ROOM
MEZZANINE
2ND. FLOOR
1ST. FLOOR
BASEMENT
18'-6"
12'-0"
12'-0"
12'-0"
14'-0"
4" V.T.R.
3" F.D.
4" W&V STACK
3" F.D. IN BOT. OF AIR INTAKE SHAFT
3" V.S.
4" S.S.
4" V
2" V
4" SOIL (86 FU)
5" SOIL (61 FU)
5" SOIL (79 FU)
5" SOIL
5" SOIL (72 FU)
4" SOIL (28 FU)
FOR CONTINUATION OF 3 VENT SEE BASEMENT TOILET ROOM PLUMBING.
WC
UR
LAV
F.D.
C.O.

SANITARY RISER DIAGRAM - SOUTH

NO SCALE

NORTH

DR. WV
CK. JPY
APP. JJB

REVISIONS

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT — MIDLAND, MICHIGAN
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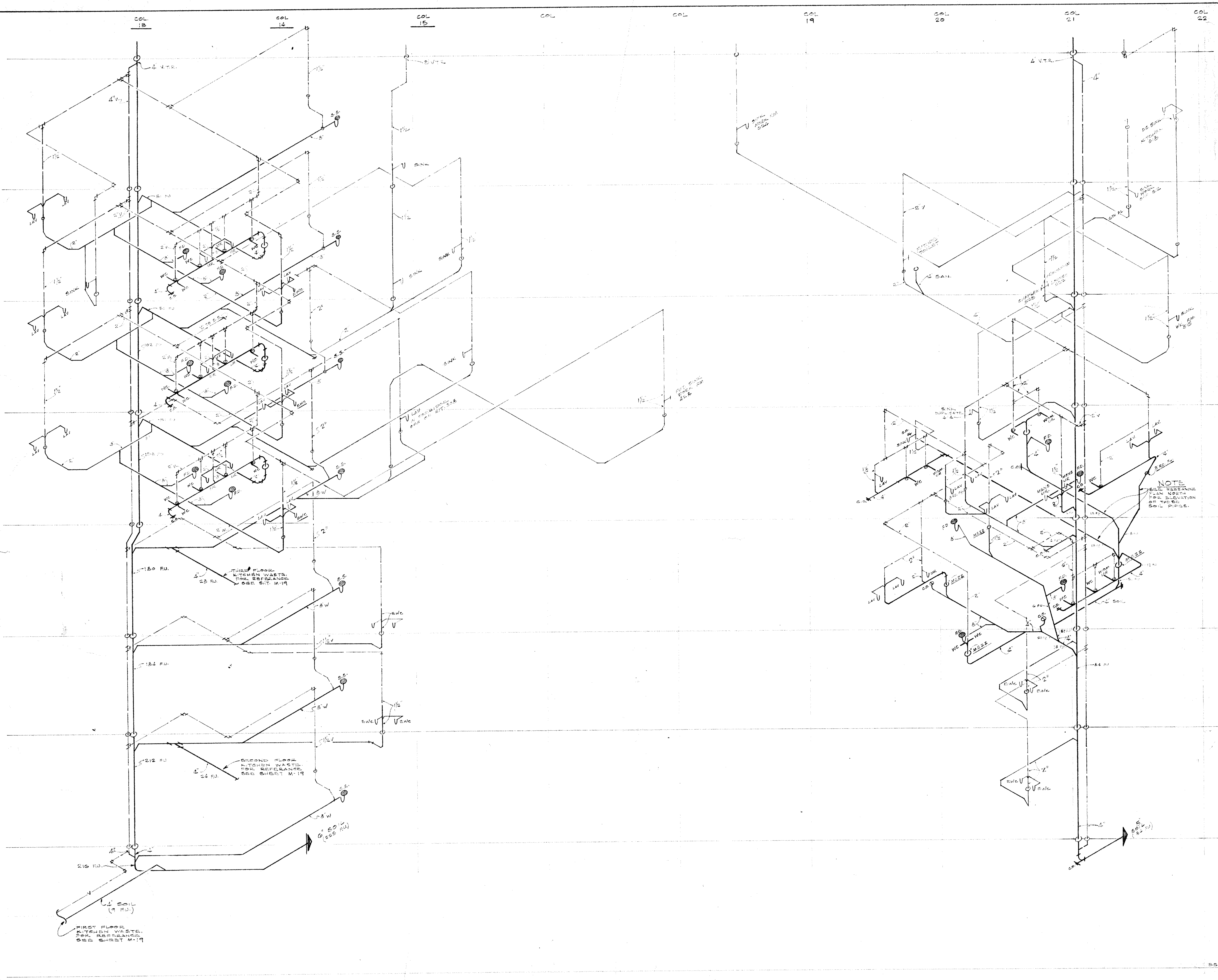
UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

SANITRAY RISER DIAGRAM
(SOUTH)
SCALE: NONE
DATE: 6 MAY 1966

M 27


COL 13
COL 14
COL 15
COL
COL
COL 19
COL 20
COL 21
COL 22
4" V.T.R.
4" V.T.R.
6 TH
5 TH
4 TH
3 RD
MEZZ
2 ND
1 ST.
BSM'T
LAV
SINK
WC
F.D.
C.O.
S.S.
EWC
MENS UR
WOM. UR
180 F.U.
184 F.U.
212 F.U.
216 F.U.
4" 23 F.U.
4" 24 F.U.
THIRD FLOOR KITCHEN WASTE. FOR REFERANCE SEE SHT. M-19
SECOND FLOOR KITCHEN WASTE. FOR REFERANCE SEE SHEET M-19
4" SOIL (9 F.U.)
FIRST FLOOR KITCHEN WASTE. FOR REFERANCE SEE SHEET M-19
6" SOIL (225 F.U.)
NOTE
SEE MEZZANINE PLAN NORTH FOR ELEVATION OF THESE SOIL PIPES.
4" SOIL
84 F.U.
5" SOIL (84 F.U.)

SANITARY RISER DIAGRAM - NORTH

NO SCALE

NORTH

DR. W.V.
CK. J.P.Y.
APP. J.S.D.

REVISIONS

ALDEN B. DOW ASSOCIATES, INC. – ARCHITECT — MIDLAND, MICHIGAN
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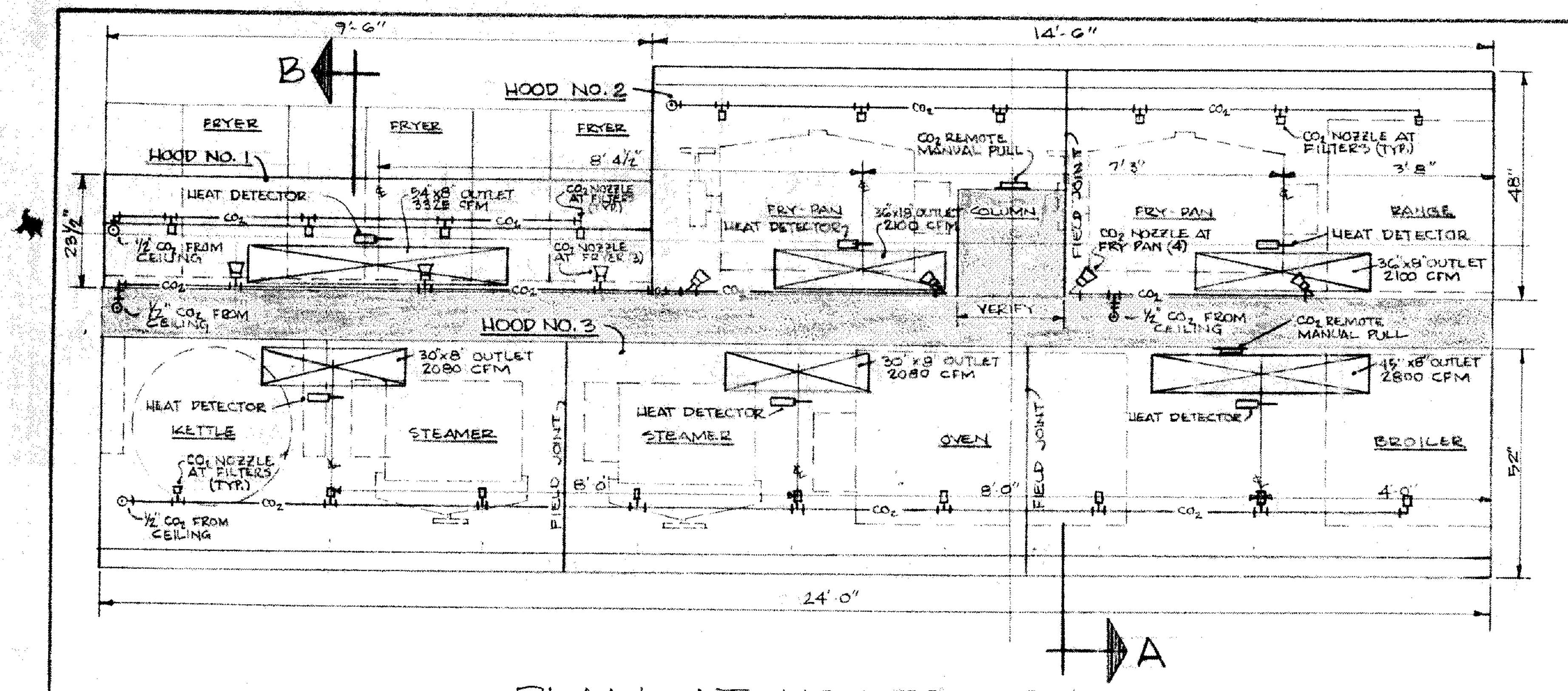
UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

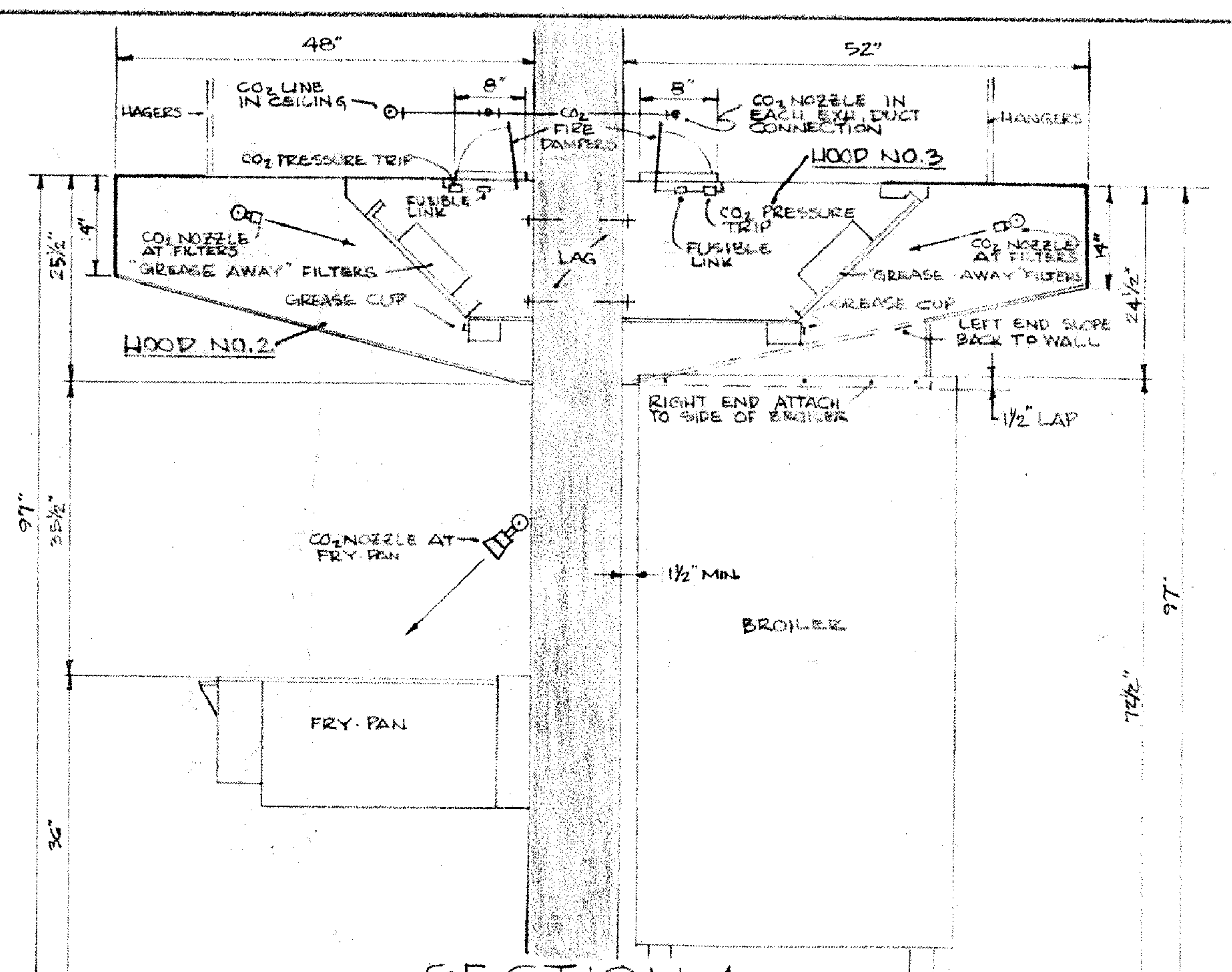
SANITARY RISER DIAGRAM
(NORTH)
SCALE: NONE
DATE: 6 MAY 1966

M 28


HOOD NO. 1
HOOD NO. 2
HOOD NO. 3
FRYER
FRY-PAN
RANGE
KETTLE
STEAMER
OVEN
BROILER
HEAT DETECTOR
COLUMN
VERIFY
CO2 REMOTE MANUAL PULL
24'-0"
14'-6"
9'-6"
A
B

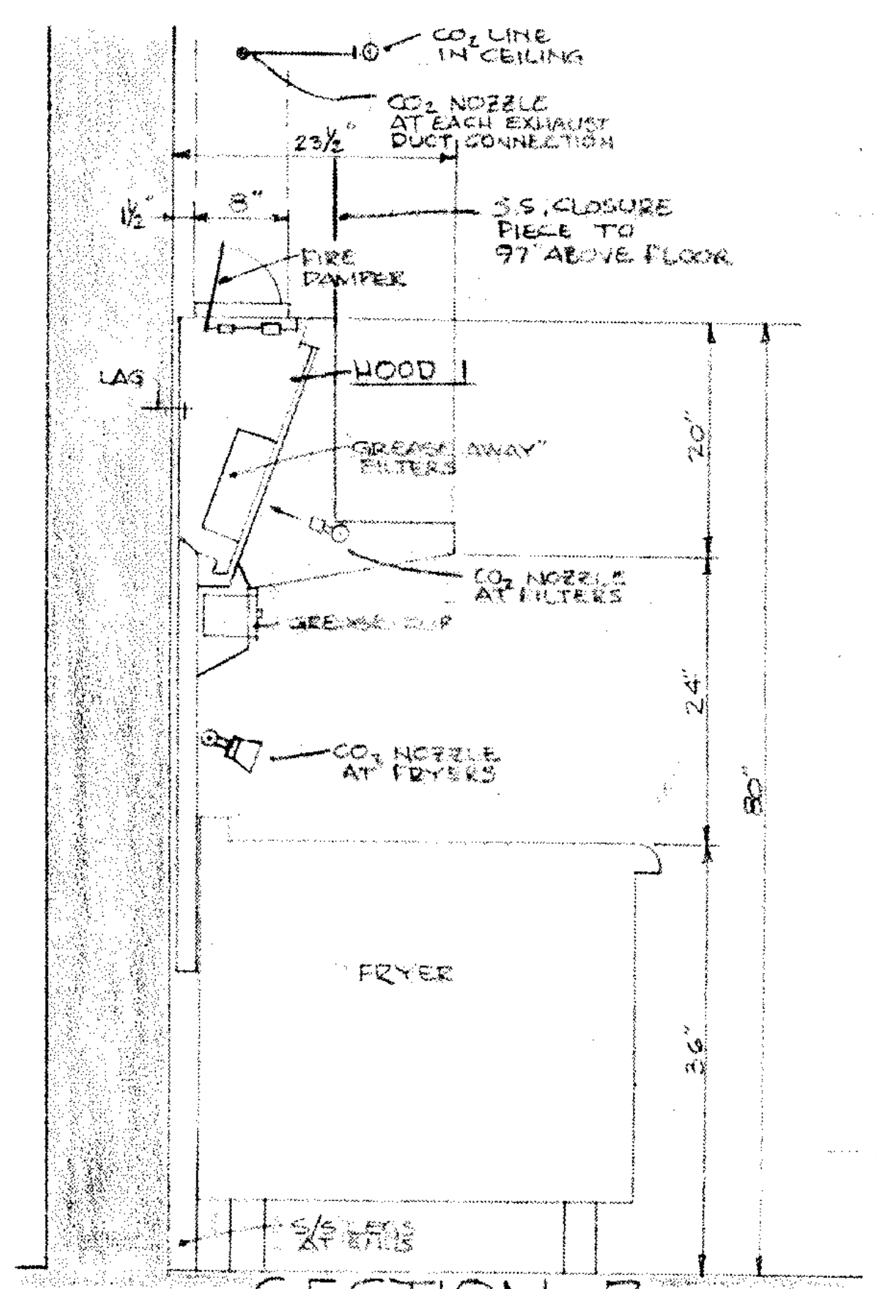
PLAN AT HOODS 1, 2 & 3

SCALE ½"=1'-0"


HOOD NO. 2
HOOD NO. 3
CO2 LINE IN CEILING
CO2 PRESSURE TRIP
FUSIBLE LINK
FIRE DAMPERS
"GREASE AWAY" FILTERS
GREASE CUP
LAG
CO2 NOZZLE AT FRY PAN
FRY-PAN
BROILER
RIGHT END ATTACH TO SIDE OF BROILER
LEFT END SLOPE BACK TO WALL
1½" LAP
1½" MIN

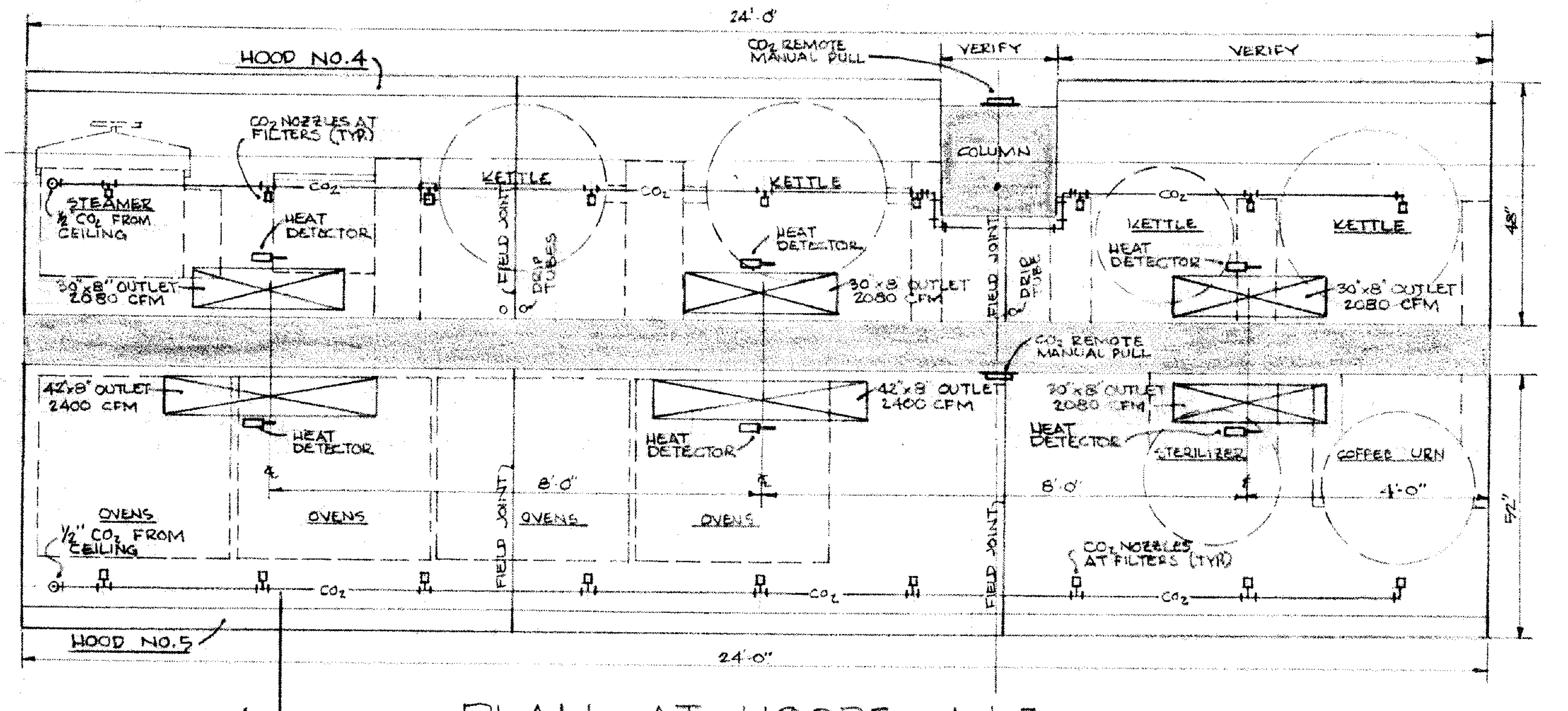
SECTION A

SCALE ¾"=1'-0"


CO2 LINE IN CEILING
CO2 NOZZLE AT EACH EXHAUST DUCT CONNECTION
S.S. CLOSURE PIECE TO 97" ABOVE FLOOR
FIRE DAMPER
HOOD 1
"GREASE AWAY" FILTERS
CO2 NOZZLE AT FILTERS
GREASE CUP
CO2 NOZZLE AT FRYERS
FRYER
LAG

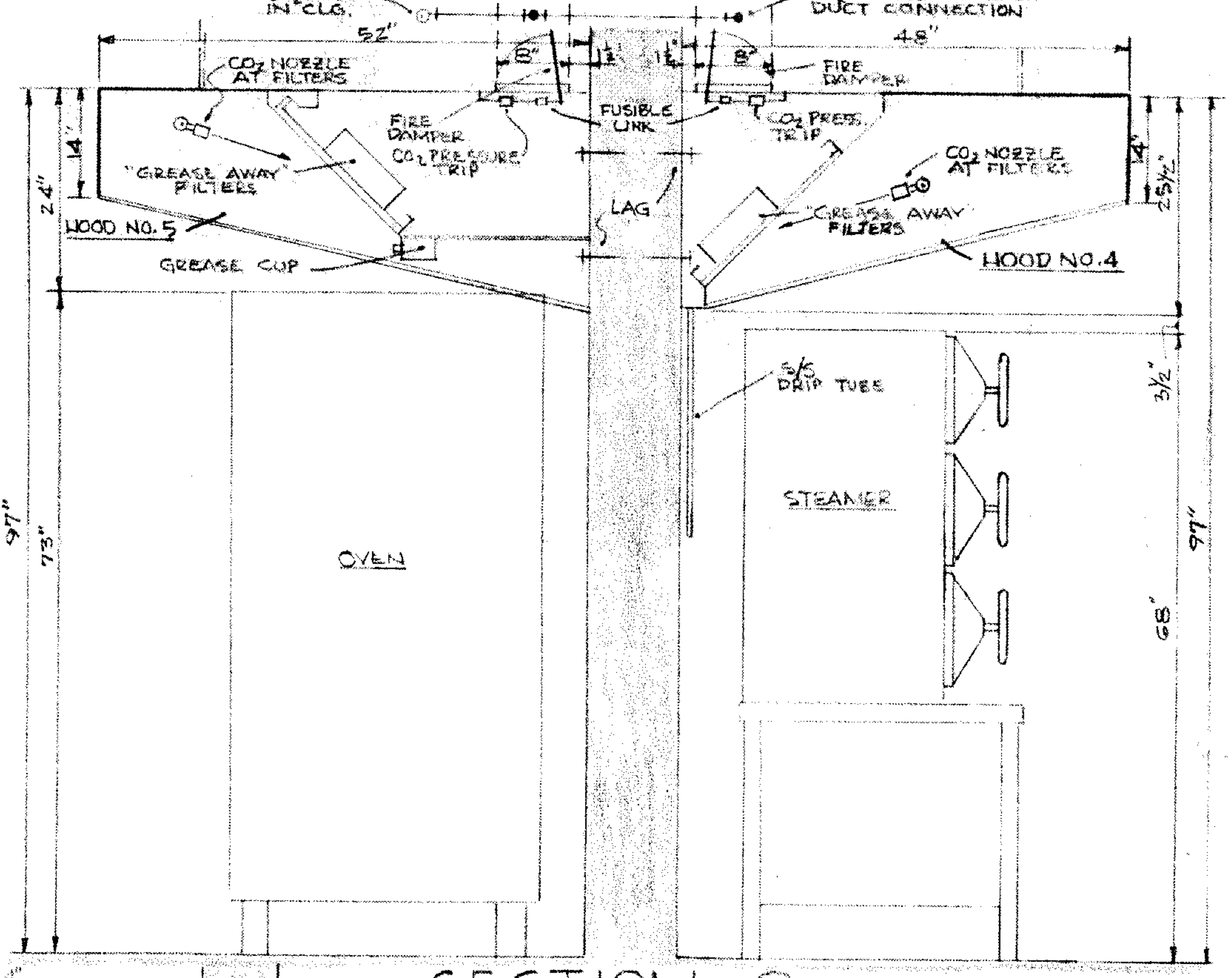
SECTION B

SCALE ¾"=1'-0"


HOOD NO. 4
HOOD NO. 5
STEAMER
KETTLE
OVENS
STERILIZER
COFFEE URN
COLUMN
HEAT DETECTOR
CO2 REMOTE MANUAL PULL
CO2 NOZZLES AT FILTERS (TYP)
VERIFY
24'-0"
C

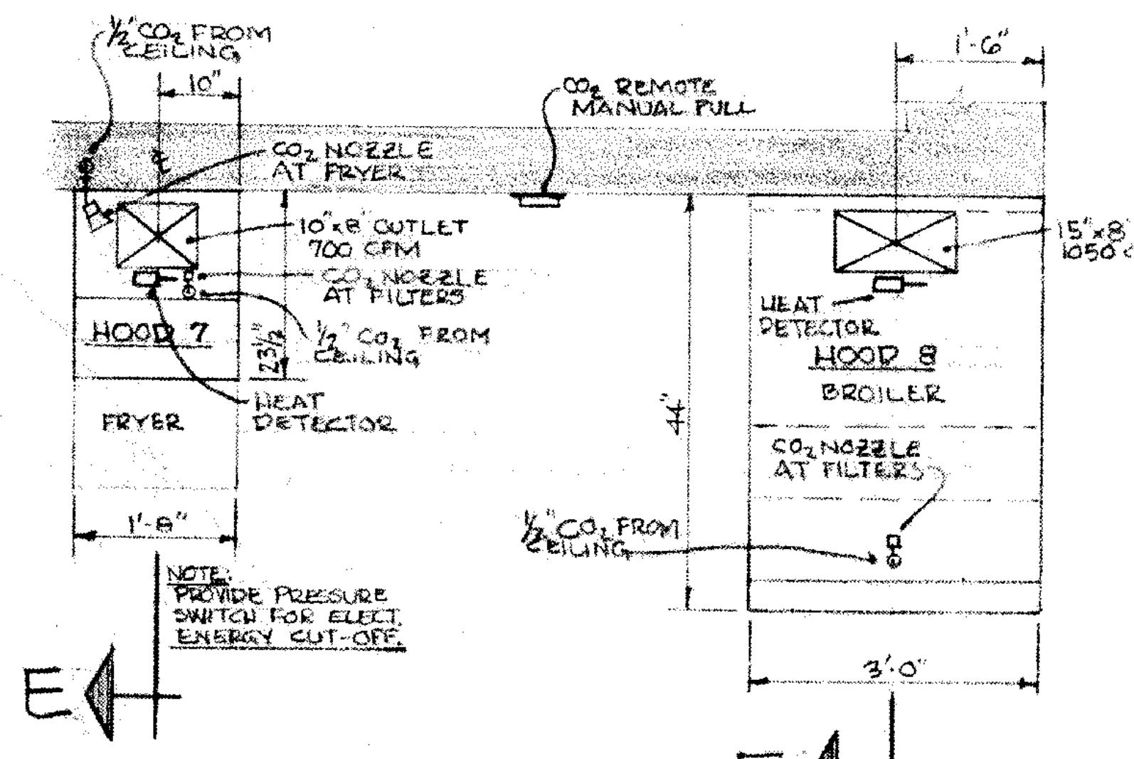
PLAN AT HOODS 4 & 5

SCALE ½"=1'-0"


CO2 LINE IN CLG.
CO2 NOZZLE IN EACH DUCT CONNECTION
FIRE DAMPER
FUSIBLE LINK
CO2 PRESSURE TRIP
"GREASE AWAY" FILTERS
HOOD NO. 5
HOOD NO. 4
GREASE CUP
LAG
S/S DRIP TUBS
OVEN
STEAMER

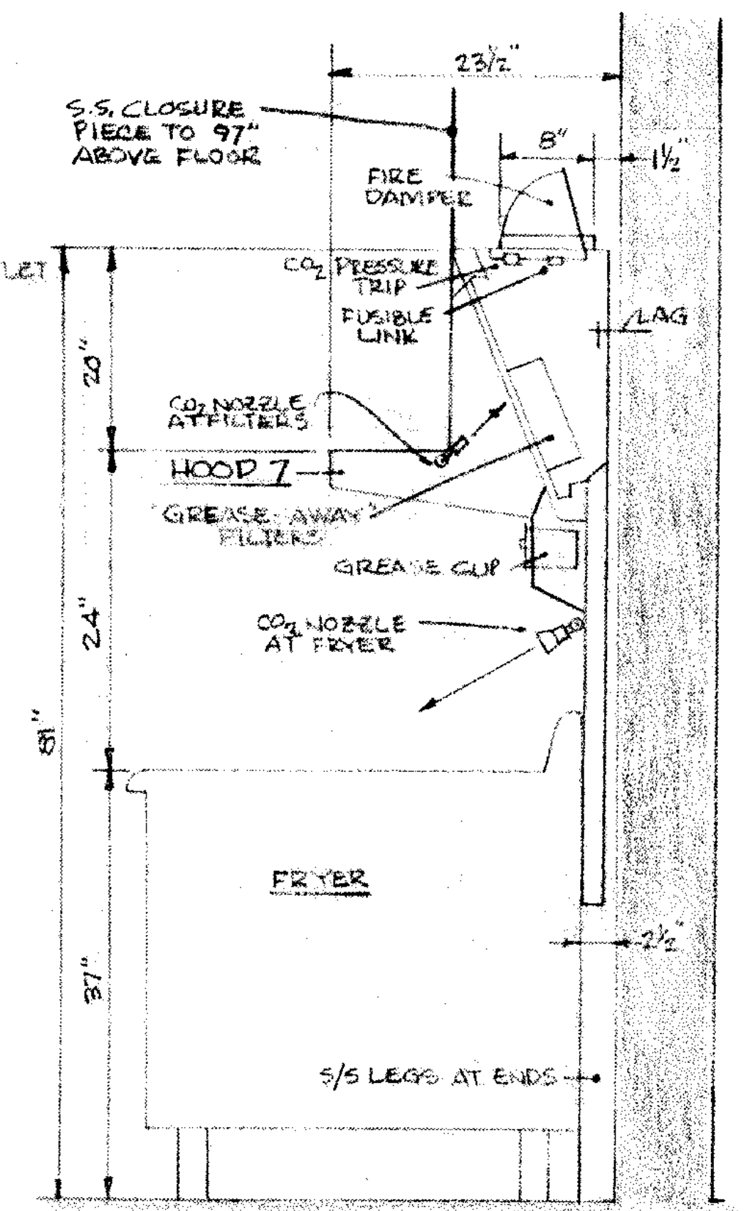
SECTION C

SCALE ¾"=1'-0"


½" CO2 FROM CEILING
CO2 REMOTE MANUAL PULL
CO2 NOZZLE AT FRYER
10"x8" OUTLET 700 CFM
CO2 NOZZLE AT FILTERS
HOOD 7
FRYER
HEAT DETECTOR
15"x8" OUTLET 1050 CFM
HOOD 8
BROILER
NOTE: PROVIDE PRESSURE SWITCH FOR ELECT. ENERGY CUT-OFF
E
F

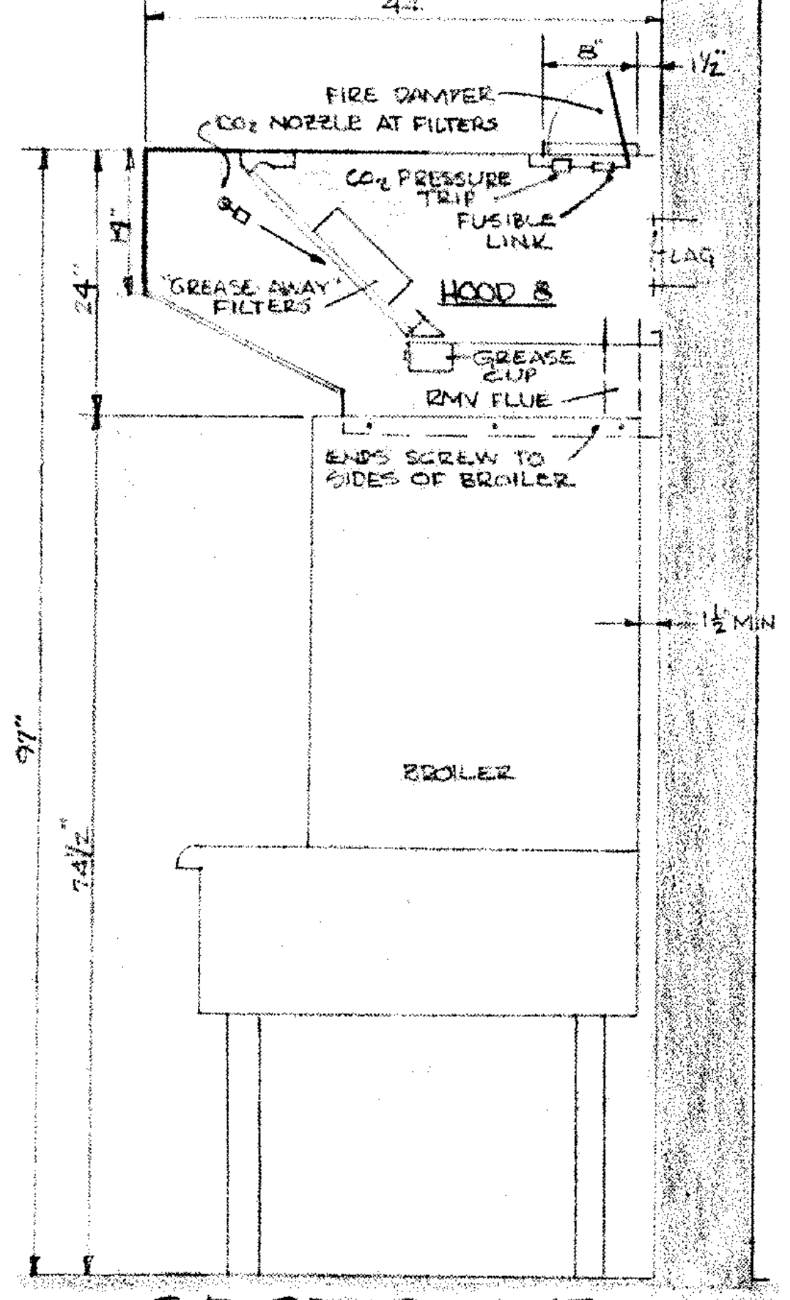
PLAN AT HOODS 7 & 8

SCALE ½"=1'-0"


S.S. CLOSURE PIECE TO 97" ABOVE FLOOR
FIRE DAMPER
CO2 PRESSURE TRIP
FUSIBLE LINK
CO2 NOZZLE AT FILTERS
HOOD 7
GREASE-AWAY FILTERS
GREASE CUP
CO2 NOZZLE AT FRYER
FRYER
S/S LEGS AT ENDS
LAG

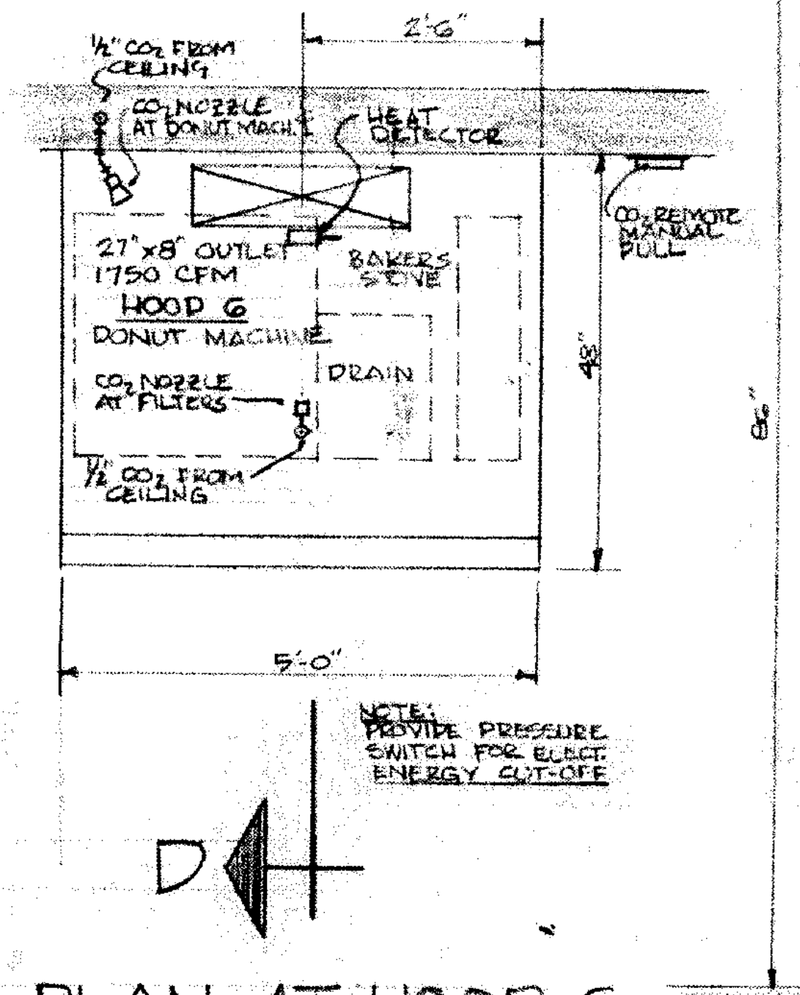
SECTION E

SCALE ¾"=1'-0"


FIRE DAMPER
CO2 NOZZLE AT FILTERS
CO2 PRESSURE TRIP
FUSIBLE LINK
GREASE AWAY FILTERS
HOOD 8
GREASE CUP
BROILER
LAG

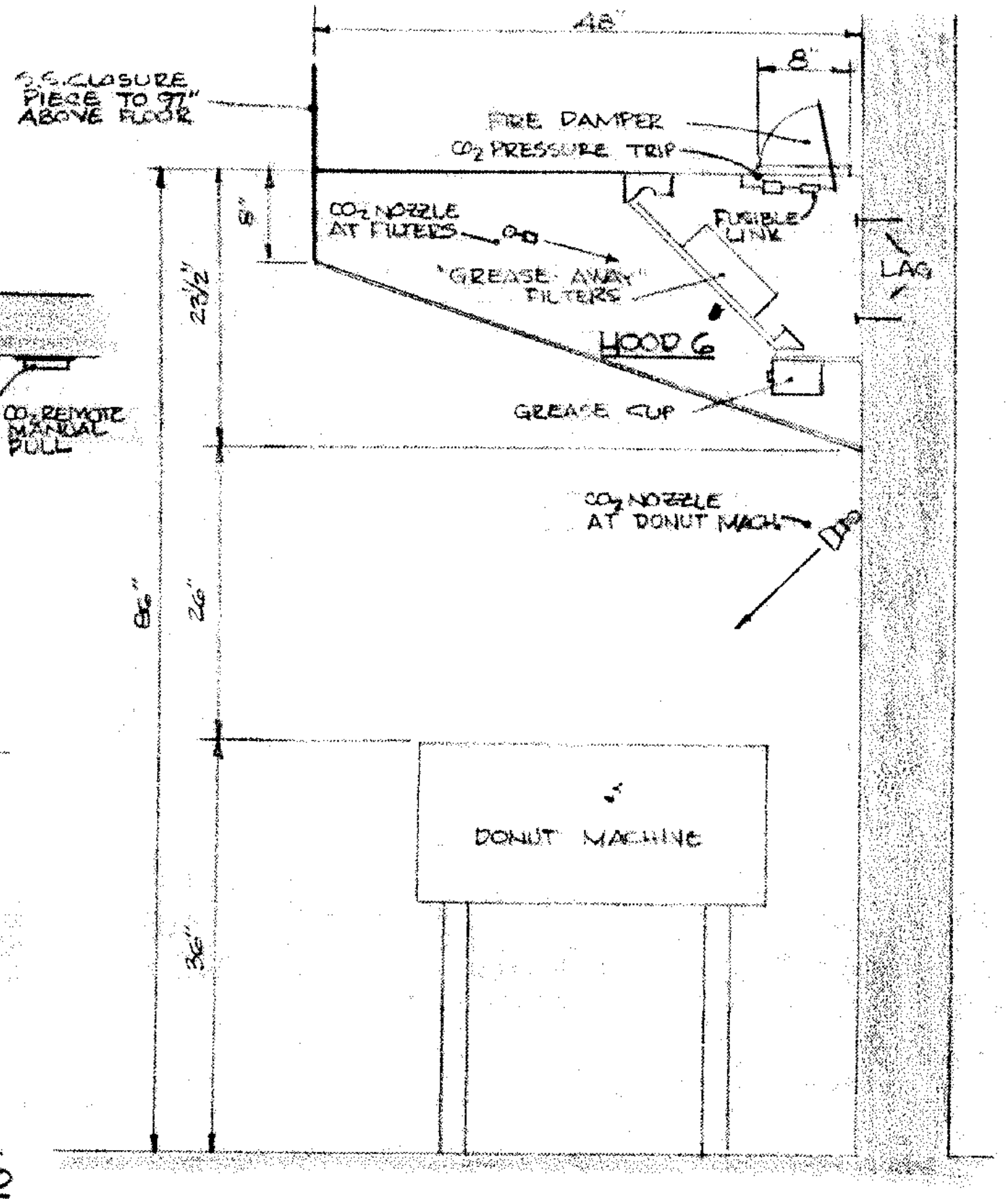
SECTION F

SCALE ¾"=1'-0"


½" CO2 FROM CEILING
CO2 NOZZLE AT DONUT MACH.
HEAT DETECTOR
27"x8" OUTLET 1750 CFM
HOOD 6
DONUT MACHINE
BAKERS STOVE
DRAIN
CO2 NOZZLE AT FILTERS
CO2 REMOTE MANUAL PULL
NOTE: PROVIDE PRESSURE SWITCH FOR ELECT. ENERGY CUT-OFF
5'-0"
D

PLAN AT HOOD 6

SCALE ½"=1'-0"


S.S. CLOSURE PIECE TO 97" ABOVE FLOOR
FIRE DAMPER
CO2 PRESSURE TRIP
CO2 NOZZLE AT FILTERS
FUSIBLE LINK
"GREASE AWAY" FILTERS
HOOD 6
GREASE CUP
CO2 NOZZLE AT DONUT MACH.
DONUT MACHINE
LAG

SECTION D

SCALE ¾"=1'-0"

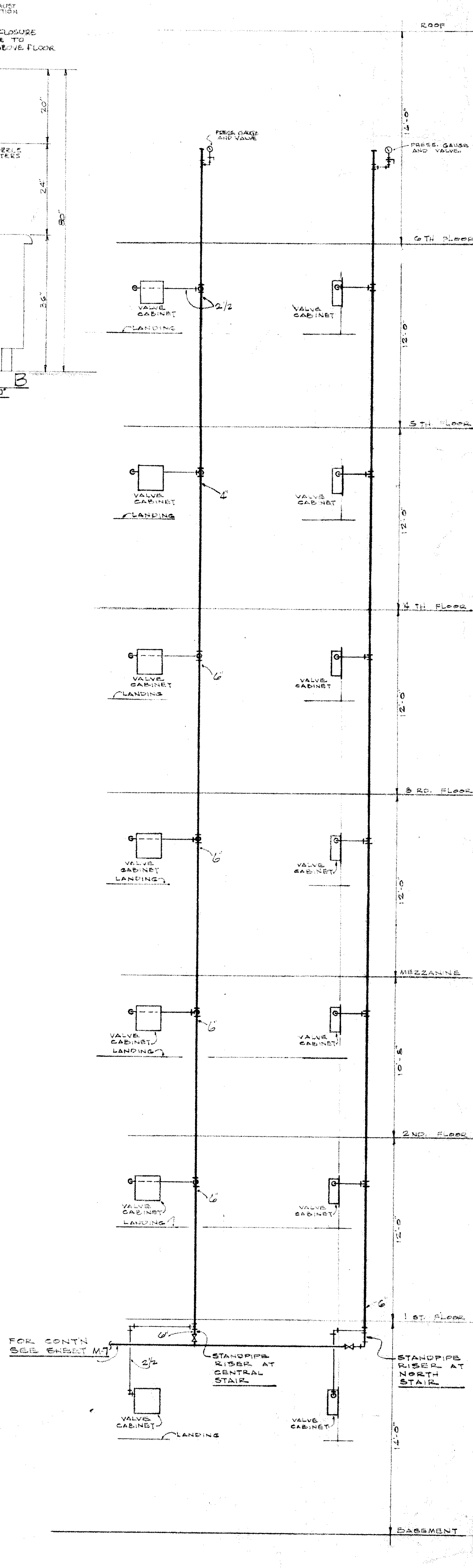
HOOD SCHEDULE

NO.	LOCATION	SIZE L x W x H	COCKLE MODEL	REMARKS
1	1ST FLOOR KITCHEN	9'-6" x 23½" x 44"	PE-1	
2	1ST FLOOR KITCHEN	14'-6" x 48" x 1'-11½"	PFW	NOTCHED FOR COLUMN
3	1ST FLOOR KITCHEN	24'-0" x 52" x 1'-11½"	PFW	
4	1ST FLOOR KITCHEN	24'-0" x 48" x 1'-11½"	PFW	NOTCHED FOR COLUMN
5	1ST FLOOR KITCHEN	24'-0" x 52" x 1'-11½"	PFW	
6	1ST FLOOR BAKERY	5'-0" x 48" x 1'-11½"	PFW	
7	3RD FLOOR INN SERV.	1'-8" x 23½" x 44"	PE-1	
8	3RD FLOOR INN SERV.	3'-0" x 52" x 1'-11½"	PFE	
9	BASEMENT SNACK BAR PREP. HOOD BY OTHER TRADES SEE BELOW			

NOTE:
HOOD NO. 9 IN BSMT. SNACK BAR PREP AREA OVER FRYERS, GRILLE & CHARCOAL BROILER SHALL BE BY OTHER TRADES BUT SHALL BE PROVIDED WITH THE FOLLOWING BY THE MECH. CONTR.
2-48"x8" FIRE DAMPERS WITH FUSIBLE LINK & CO2 PRESSURE TRIP
2-HEAT DETECTORS & 1 CO2 PRESSURE SWITCH
5-CO2 NOZZLES AT FILTERS
5-CO2 NOZZLES AT FRYERS, GRILLE & CHARCOAL BROILER
2-CO2 NOZZLES AT DUCT CONNECTIONS
ALL ITEMS TO BE INSTALLED SIMILAR TO ABOVE DETAILS

HOOD DETAILS

SCALE AS SHOWN


ROOF
6TH FLOOR
5TH FLOOR
4TH FLOOR
3RD FLOOR
MEZZANINE
2ND FLOOR
1ST FLOOR
BASEMENT
PRESS. GAUGE AND VALVE
VALVE CABINET
LANDING
2½
6"
12'-0"
FOR CONT'N SEE SHEET M-7
STANDPIPE RISER AT CENTRAL STAIR
STANDPIPE RISER AT NORTH STAIR

FIRE STANDPIPE RISER DIAGRAM

NOT TO SCALE

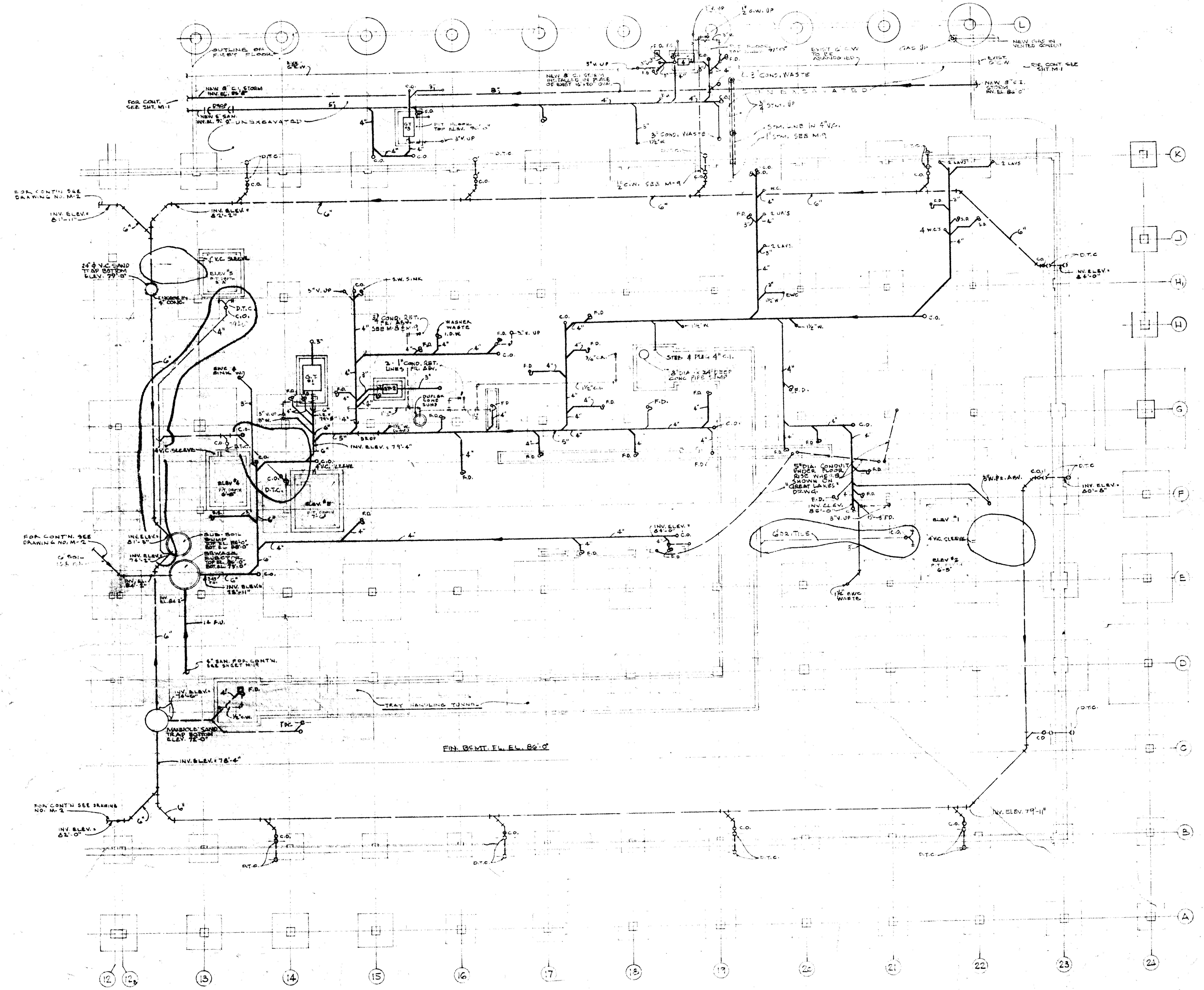
DR. JPY
CK. JPY
APP. JSS
REVISIONS

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT — MIDLAND, MICHIGAN
ROBERT J. DAVIS — STRUCTURAL ENGINEER — DETROIT, MICHIGAN
HYDE & BOBBIO INC. — MECHANICAL ENGINEER — DETROIT, MICHIGAN
D.C. OSTERHELD — FOOD SERVICE CONSULTANT — MADISON, WISCONSIN

UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

FIRE STANDPIPE RISER DIAGRAM AND HOOD DETAILS
SCALE: AS NOTED
DATE: 12 APRIL 1966

M 29

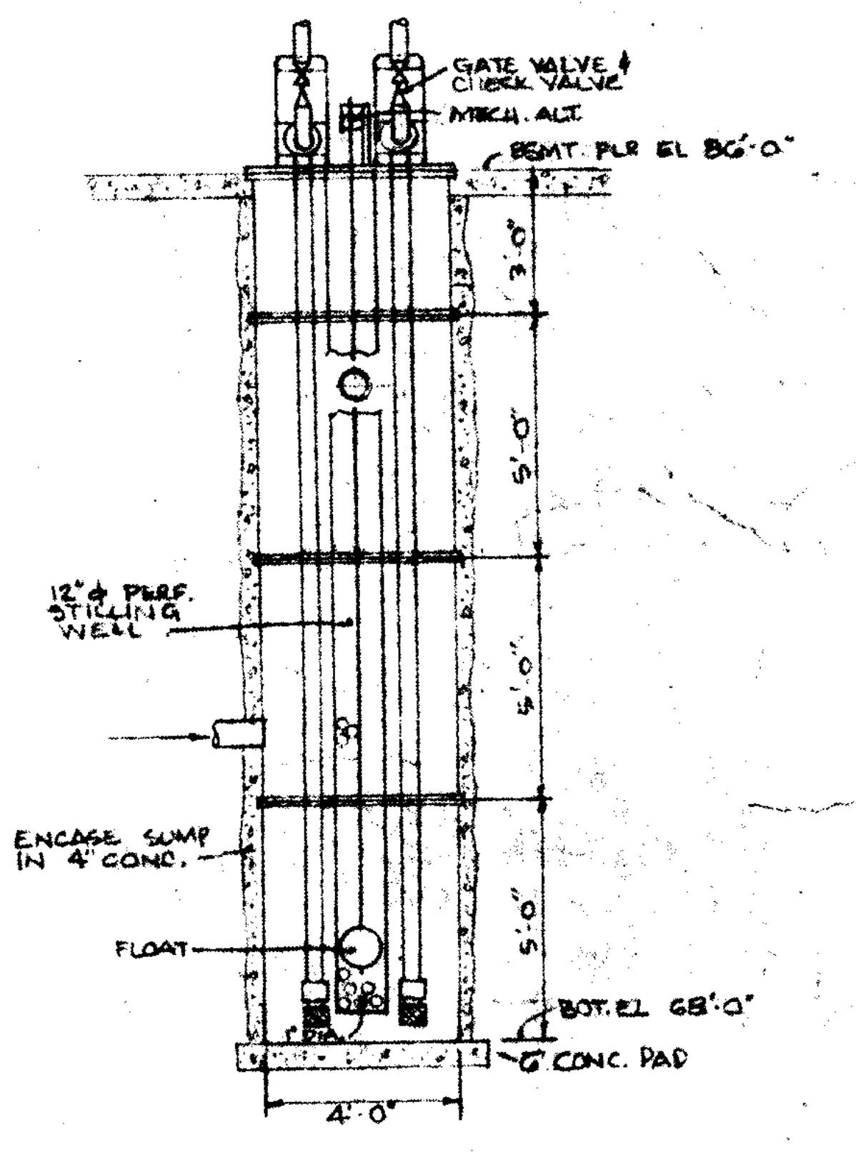

OUTLINE OF FIRST FLOOR
EXIST. C.W.
NEW 8" C.I. STORM INV. EL. 85'-8"
FOR CONT. SEE SHT. M-1
DROP
NEW 5" SAN. INV. EL. 92'-9"
UNEXCAVATED
8"
5"
4"
3"
C.O.
F.D.
G.T. #5
PIT FLOOR TOP ELEV. 90'-0"
3" V. UP
D.T.C.
NEW 8" C.I. STORM INSTALLED IN PLACE OF EXIST 16"x20" OVAL
1" V. UP
1/2" C.W. UP
PIT FLOOR TOP ELEV. 91'-0"
EXIST. 6" C.W. TO BE ABANDONED
GAS UP
NEW GAS IN VENTED CONDUIT
EXIST. 6" C.W.
FOR CONT. SEE SHT. M-1
NEW 8" C.I. STORM INV. EL. 86'-0"
3" CONS. WASTE
3/4" STM. UP
STM. LINE IN 4" V.C.
1" STM. SEE M-9
3" CONS. WASTE
1 1/2" W.
1 1/2" C.W. SEE M-9
W.C.
2 UR'S
2 LAVS.
EWC
2 LAVS
4 W.C.'S
S.D.
INV. ELEV. = 84'-0"
FOR CONTIN. SEE DRAWING NO. M-2
INV. ELEV. = 81'-11"
INV. ELEV. = 82'-2"
6"
24" φ V.C. SAND TRAP BOTTOM ELEV. 79'-0"
ENCASE IN 4" CONC.
V.C. SLEEVE
ELEV. #5 PIT DEPTH 5'-5"
3" V. UP
S.W. SINK
3/4" COND. RET. FR. ABV. SEE M-8 & M-9
WASHER WASTE I.D.W.
G.T. #1
G.T. #2
2 - 1" COND. RET. LINES FR. ABV.
DUPLEX COND. SUMP
SWC & SINK W.
3" W.
1 1/2" W.
DROP
INV. ELEV. = 79'-4"
4" V.C. SLEEVE
ELEV. #4 PIT DEPTH 6'-0"
ELEV. #3 PIT DEPTH 7'-0"
S.S.
STEP & PLUG 4" C.I.
8" DIA. x 24" DEEP CONC. PIPE SUMP
3/4" C.A.
5" DIA. CONDUIT UNDER FLOOR RISE WHERE SHOWN ON "GREAT LAKES" DRWG.
INV. ELEV. 85'-0"
3/4" W. FR. ABV.
INV. ELEV. = 80'-8"
INV. ELEV. = 84'-0"
6" DR. TILE
4" V.C. SLEEVE
ELEV. #1
ELEV. #2 PIT DEPTH 6'-5"
1 1/2" EWC WASTE
FOR CONT'N. SEE DRAWING NO. M-2
6" SOIL
INV. ELEV. = 81'-3"
SUB-SOIL SUMP TOP EL. 86'-0" BOT. EL. 68'-0"
INV. ELEV. = 74'-2"
SEWAGE EJECTOR TOP EL. 86'-0" BOT. EL. 73'-0"
INV. EL. 84'-2"
INV. ELEV. = 78'-11"
14 F.U.
6" SAN. FOR CONT'N. SEE SHEET M-19
INV. ELEV. = 74'-6"
1/2" C.W.
T.K.
MANHOLE SAND TRAP BOTTOM ELEV. 72'-0"
TRAY HANDLING TUNNEL
FIN. BSMT. FL. EL. 86'-0"
INV. ELEV. = 78'-4"
FOR CONT'N SEE DRAWING NO. M-2
INV. ELEV. = 82'-0"
INV. ELEV. 79'-11"
L
K
J
H1
H
G
F
E
D
C
B
A
12
12a
13
14
15
16
17
18
19
20
21
22
23
24

FOUNDATION PLAN (NORTH)

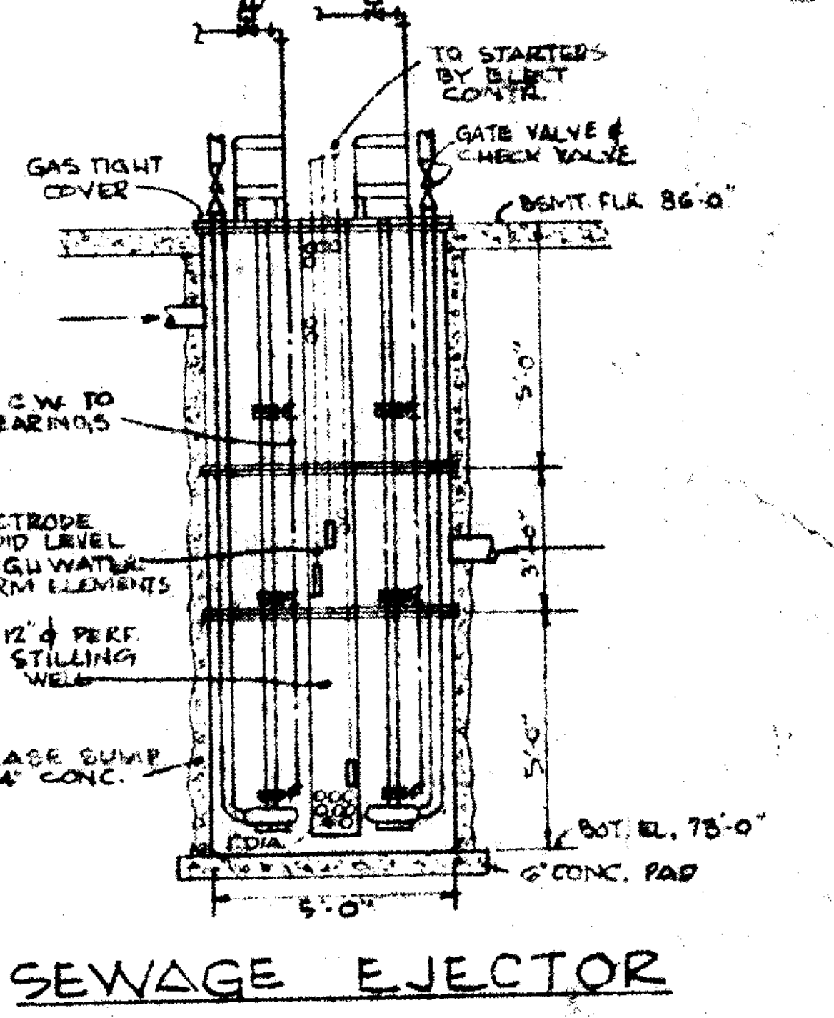
SCALE 1/8"=1'-0"

GENERAL NOTES

(1) BASEMENT FLOOR ELEV. 86'-0"
(2) TRAY TUNNEL FLOOR ELEV. 78'-3" - HIGH POINTS
78'-2 1/4" - LOW POINTS


GATE VALVE & CHECK VALVE
MECH. ALT.
BSMT. FLR EL 86'-0"
3'-0"
5'-0"
5'-0"
5'-0"
12" φ PERF. STILLING WELL
ENCASE SUMP IN 4" CONC.
FLOAT
1" DIA.
BOT. EL 68'-0"
6" CONC. PAD
4'-0"

SUB-SOIL SUMP


SOL. VALVES
TO STARTERS BY ELECT. CONTR.
GATE VALVE & CHECK VALVE
GAS TIGHT COVER
BSMT. FLR. 86'-0"
3/4 C.W. TO BEARINGS
ELECTRODE LIQUID LEVEL & HIGH WATER ALARM ELEMENTS
12" φ PERF. STILLING WELL
ENCASE SUMP IN 4" CONC.
1" DIA.
5'-0"
3'-0"
5'-0"
BOT. EL. 73'-0"
6" CONC. PAD
5'-0"

SEWAGE EJECTOR

BULL. NO. 20-17-30-66
REVISIONS

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT — MIDLAND, MICHIGAN
ROBERT J. DAVIS — STRUCTURAL ENGINEER — DETROIT, MICHIGAN
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UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT, MICHIGAN

FOUNDATION PLAN (NORTH)
SCALE 1/8"=1'-0"
DATE 6 MAY 1966

NO	DESCRIPTION	WATER	WASTE	GAS	STEAM	REQD	REMARKS
	KITCHEN EQUIPMENT						
K-1	WORK TABLE, W/SINK	1/2 H&C	1 1/2"	—	—	1	
K-2	SLICER	—	—	—	—	1	HOBART #1612
K-3	BROILER	—	—	3/4"	—	1	MOD. #270 152 MBH SO. BEND RANGE CORP.
K-4	OVEN	—	—	(2) 3/4"	—	4	MODEL #2-115 MONTAGUE "VECTAIRE" TWO HI, 280,000 BTU/HR TOTAL
K-5	STEAM JACKETED KETTLE 80 GAL.	3/4 H&C	—	—	3/4 S, 1/2 R	1	GROEN MW/FT 80
K-5-1	WATER METER	3/4" C	—	—	—	1	GROEN GALLONMASTER
K-6	STEAM JACKETED KETTLE 60 GAL.	3/4 H&C	—	—	3/4 S & 1/2 R	2	GROEN MW/FT. 60
K-7	80 GAL. TILTING STEAM JACKETED KETTLE	3/4 H&C	—	—	3/4 S & 1/2 R	1	GROEN MFG. MOD. MW/DTA-80
K-7-1	WATER METER	3/4 C	—	—	—	1	
K-8	60 GAL. TILTING STEAM JACKETED KETTLE	3/4 H&C	—	—	3/4 S & 1/2 R	1	GROEN MFG. MOD. MW/DTA-60
K-9	STEAMERS	—	—	—	3/4 S	1	CLEVELAND RANGE CO. #20-3B
K-10	WORK TABLE W/SINK	1/2 H&C	1 1/2"	—	—	1	SINK IN CENTRE OF TABLE-NOT SHOWN
K-10-1	UTENSIL RACK	—	—	—	—	1	
K-10-2	FOOD WARMER						
K-11	STEAM JACKETED KETTLE	3/4 H&C	—	—	3/4 S, 1/2 R	1	GROEN KR 100
K-11-1	WATER METER	3/4 H&C	—	—	—	1	GROEN GALLONMASTER
K-12	AER-VOID STERILIZER	3/4 H	1 1/2"	—	3/4 S ONLY	1	VACUUM CAN WASHER S-A
K-13	BAKE OVEN	—	—	—	—	1	VULCAN HART CORP VO-888FA
K-14	STEAM JACKETED KETTLE 80 GAL.	3/4" H&C	—	—	3/4 S & 1/2 R	1	GROEN MW/FT. 80
K-15	STEAMER	—	1/2"	—	1/2" SUPP.	1	FLEX SEAL MODEL 85
K-16	STEAMERS	—	—	—	3/4" SUPP.	2	MARKET FORGE MF4A
K-17	SPACER	—	—	—	—	2	—
K-18	DEEP FRYER	—	—	150.0 MBH	—	3	W/COVERS TRUMP SPECIAL 20x20 FL. MODEL "KEATING OF CHICAGO"
K-19	FRY PAN	1/2" H&C	—	—	—	1	GROEN MODEL FPC-4
K-19-1	IN WALL CARRIER	—	—	—	—	1	FABRICATED BY GROEN
K-20	FRY PAN	1/2 H&C	—	—	—	1	GROEN MODEL FPC-4
K-21	RANGE	—	—	130 CFH	—	1	WOLF RANGE MASTER RM-D-26FT82
K-22	WORK TABLE W/SINK	1/2 H&C	2"	—	—	1	—
K-22-1	WORK TABLE OVER SHELF	—	—	—	—	1	—
K-23	DEEP FREEZE	—	—	—	—	1	CHRYSLER & KOPPIN
K-22-2	GRINDER	—	1 1/2"	—	—	—	WASTEKING
K-26	MIXER	—	—	—	—	1	HOBART L-800
	SALAD & DESSERT (PREPARATION AREA)						
KS-1	ROLL-IN, ROLL-THRU REFRIG.	—	—	—	—	1	POWER & WATER AT REMOTE COMP. ROOM CHRYSLER & KOPPIN
KS-2	PORTABLE RACK	—	—	—	—	48	EPC A-7-B-181
KS-3	ROLL-IN, ROLL-THRU REFRG.	—	—	—	—	1	SAME AS KS-1
KS-4	SALAD SET TABLE-PORT.	—	—	—	—	1	CONVENIENCE OUTLET REQUIRED
KS-5	PLATE DISP.	—	—	—	—		SHELLEG MODEL EDS-4
KS-6							
KS-7	WORK TABLE W/SINK	1/2" H&C	2"	—	—	1	DUPLEX OUTLETS TO SINGLE CIRCUIT
KS-8	PORTABLE WORK TABLE	—	—	—	—	3	
KS-9	PORT PLATE DISP	—	—	—	—	3	SHELLEG MODEL EDS-2
KS-10	WORK TABLE W/SINK	1/2 H&C	2"	—	—	1	—
KS-11	ICE MAKER	1/2" C	1"	—	—	1	SCOTSMAN MODEL SC-500E
	VEGETABLE PREP						
V-1	VERTICAL CUTTER MIXER	1/2 H&C	1 1/2" RECESS	—	—	2	VC11-40
V-2	WORK TABLE W/SINK	1/2 H&C	2"	—	—	1	—
V-3	PEELER SINK	1/2 H&C	2	—	—	1	—
V-3-1	PEELER	1/2" C	—	—	—	1	HOBART MODEL 6430T
V-3-2	GRINDER	—	1 1/2	—	—	2	WASTE KING
V-4	WORK TABLE W/DBL. SINK	1/2 H&C	2"	—	—	1	—
V-4-1	OBRIEN DICER	—	—	—	—	1	—
V-5	STEAM JACKETED KETTLE ON TABLE BELOW	1/2 H&C	1 1/2	—	3/8" S&R	2	GROEN MODEL TDA 20 QT.
V-5-1	KETTLE TABLE	UTILITIES SHOWN FOR BOTH KET. & TAB.					GROEN MODEL TSC TABLE.
V-4-2	GRINDER	1/2" C.W.	1 1/2"	—	—	—	WASTEKING
	VENDING AREA						
VD-1	WORK TABLE W/SINK	1/2 H&C	2	—	—	1	—
VD-2	SANDWICH MAKE-UP TABLE	—	—	—	—	1	—
VD-3	ROLL-IN, ROLL-THRU REFRIG	1/2" C	4"	—	—	1	CHRYSLER & KOPPIN
	BAKE SHOP						
B-1	MIXER	—	—	—	—	1	HOBART MODEL 802
B-2	WORK TABLE W/SINK	1/2" H&C	1 1/2"	—	—	1	T&S B101 PRE RINSE SPRAY
B-3	VERTICAL MIXER	1/2" H&C	2"	—	—	1	HOBART MODEL VCM
B-4	ST. JACK. KETTLES & STAND	1/2" H&C	1 1/2"		1/2" S&R	2 1	GROEN MODEL TDC 20-1 GROEN MODEL TSC KETTLE TABLE
B-5	ST. JACK. TILT KETTLE	3/4 H&C	1 1/2"		1/2" S&R	1	GROEN DGWA-20 GAL.
B-6	DONUT CUTTER	—	—	—	—	1	MOLINE MODEL 330
B-7	DOUGH ROUNDER, DIV.	—	—	—	—	1	WERNER & PFLEIDERER-STUGGART
B-8	RETARDER	1/2" CW	—	—	—	1	CHRYSLER & KOPPIN
B-9	PROOFER	1/2" C	1/2"		1/2" S. ONLY	1	ANETSBERGER MODEL S-128R2
B-10	ROTARY OVEN	—	—	144 CFH		1	M. MARSHALL 752 (8" EXH. STACK)
B-11	ROTARY OVEN	—	—	230 CFH	1/2" STM. 1/2" WASTE	1	M. MARSHALL 754 (8" EXH. STACK)
B-12	PORTABLE RACK	—	—	—	—	6	EPCO
B-13	DONUT MACHINE	—	—	—	—	1	BELSHAW MODEL C-100
B-14	PORT. POT RACK	—	—	—	—	2	—
B-15	WALL HANG WORK TABLE	—	—	—	—	1	
B-16	DOUGH ROLLER	—	—	—	—	1	COLBORNE
B-17	DOUBLE BAKERS TABLE	—	—	—	—	1	—
B-17-1	OVERHEAD SPICE AND UTENSIL RACK	—	—	—	—	2	CEILING HUNG
B-17-2	PORTABLE BINS	—	—	—	—	8	WEAREVER
B-18	FEED TABLE	—	—	—	—	2	BELSHAW MODEL FT-100
B-2-1	GRINDER	1/2" C.W.	1 1/2"	—	—	1	WASTEKING
	MEAT SHOP						
MS-1	MEAT SAW	—	—	—	—	1	HOBART MODEL SB-14
MS-2	SCALE						
MS-3	PORT. WORK TABLE	—	—	—	—	2	—
MS-4	GRINDER	—	—	—	—	2	HOBART MODEL 4046
MS-5	PORT WORK TABLE	—	—	—	—	1	—
MS-6	PATTY MACHINE	—	—	—	—	1	—
MS-7	WORK TABLE W/DBL. SINK	3/4" H&C	2"	—	—	1	—
MS-8	PORT PAN RACK	—	—	—	—	1	—
MS-9	CUTTING BLOCK	—	—	—	—	2	—
MS-10	SLICER	—	—	—	—	1	HOBART MODEL 1612
MS-10-1	TENDERIZER	—	—	—	—	1	HOBART MODEL 401

NO	DESCRIPTION	WATER	WASTE	GAS	STEAM	REQD	REMARKS
	CAFETERIA SERVING AREA						
ST-1	PORT. TRAY LOWERATOR	—	—	—	—	3	SHELLEY MATIC MODEL TT1418
ST-2	NAPKIN DISPENSER	—	—	—	—	4	—
ST-3	SILVER DISPENSER	—	—	—	—	3	—
C-1	SAUCER DISPENSER	—	—	—	—	2	SHELLEYMATIC SD-500
C-2	CUP DISPENSER	—	—	—	—	1	SHELLEYMATIC LT-1418 W/HTR. STRIP
C-3	HOT WATER DISPENSER	1/2" H.W.	COMMON DRAIN 2"	—	—	1	NATIONAL
C-4	COFFEE DISPENSER	—		—	—	2	METERFLO KK-2 W/AUTO SIGNAL
C-5	CREAM DISPENSER	—		—	—	1	METERFLO KK-2 W/AUTO SIGNAL
C-6							
C-7	COUNTER & OVERSHELF	—	—	—	—	1	COVER SHELF TO EXTERNAL OVERALL INTERMEDIATE SHELVES OMIT C-8
C-8	HOT CHOCOLATE	1/2" H.W.	—	—	—	1	COLUMNWARE
C-9	MILK DISPENSER	—	—	—	—	1	METERFLO F-2-2 W/AUTO SIGNAL
C-10	GLASS DISPENSER	—	—	—	—	1	—
C-11	DESSERT DISPLAY	—	2	—	—	1	—
C-12	BREAD DISPLAY	—	—	—	—	1	HOT WELL IN COUNTER C-10 FOR HOT BREADS.
C-12-1	PLATE DISPENSER	—	—	—	—	1	—
C-12-2	ROLL WARMER	—	—	—	—	1	TOASTMASTER MODEL 3B17
C-13	HOT FOOD TABLE	1/2" HW	2"	—	—	1	—
C-14	SALAD DISPLAY	—	2"	—	—	1	REMOTE COMPRESSOR
C-14-1	SPECIAL DISPLAY & SALAD DRESSING	—	—	—	—	1	—
C-15	SALAD DISPLAY	—	2"	—	—	1	REMOTE COMPRESSOR
C-16	HOT FOOD TABLE	1/2" H.W.	2"	—	—	1	—
C-17	BREAD DISPLAY	—	—	—	—	1	HOT FOOD WELL IN COUNTER FOR CUSTOMER SELF SERVICE
C-17-1	PLATE DISPENSER	—	—	—	—	1	—
C-17-2	ROLL WARMER	—	—	—	—	1	—
C-18	DESSERT DISPLAY	—	2"	—	—	1	—
C-19	ICE CREAM DISPLAY	—	—	—	—	1	SHELLEY MATIC W/COMP. UNDER COUNTER
C-20	DESSERT DISPLAY COUNTER & OVERSHELF	—	—	—	—	1	—
C-21	MILK DISPENSER	—	—	—	—	1	METERFLO F-2-2 W/AUTO SIGNAL
C-22	SAUCER DISPENSER	—	—	—	—	2	SHELLEYMATIC SD-500
C-23	CUP DISPENSER					1	SHELLEYMATIC LT 1418 W/HEAT STRIP
C-24	HOT WATER DISPEN.	1/2" H.W.	2" COMMON W/C-25 & C-26	—	—	1	NATIONAL
C-25	COFFEE DISPENSER	—	2 COM. DRAIN	—	—	2	METERFLO W/AUTO SIGNAL
C-26	COFFEE DISPENSER	—		—	—	1	" " " "
C-27	COUNTER & OVERSHELF	—	—	—	—	1	REYNOLDS MODEL 500
C-28	HOT CHOCOLATE	1/2" H.W.	—	—	—	1	COLUMNWARE
C-29	GLASS LOWERATOR	—	—	—	—	1	SHELLEYMATIC LT-1418
C-30	METER-FLO DISPENSER	—	1"	—	—	1	—
C-31	ICE MACHINE	3/8" FROM W.C. FOR C-34	2"	—	—	2	INCLUDES CONTROL TO ITEM C-27 THRU C-30
C-10-1	ICE MACHINE	1/2"	—	—	—	1	
C-10-2	SODA DISPENSER	—	—	—	—	1	
C-33	COUNTER WITH DRAIN	—	2"	—	—	—	
C-34	SODA DISPENSER	1/2" C	2"	—	—	1	—
C-35	MILK DISPENSER	—	—	—	—	1	METERFLO F-22 W/AUTO SIGNAL
C-36	SAUCER DISPENSER	—	—	—	—	2	SHELLEYMATIC SD-500
C-37	CUP DISPENSER	—	—	—	—	1	SHELLEYMATIC LT-1418 W/HEAT STRIP
C-38	HOT WATER DISP'N'R	1/2" H.W.	2"	—	—	1	NATIONAL
C-39	COFFEE DISPENSER	—		—	—	2	METERFLO KK-2 W/AUTO SIGNAL
C-40	CREAM DISPENSER	—		—	—	1	METERFLO CR-1 W/AUTO SIGNAL
C-41	HOT CHOCOLATE DISP.	1/2" H.W.	—	—	—	1	COLUMNWARE
C-42	COUNTER & OVERSHELF	—	—	—	—	1	COMMON DRAIN IN COUNTER FOR C-38, C-39, C-40
	CAFETERIA BACK BAR						
CB-1	ROLL-IN STORAGE	—	—	—	—	1	—
CB-2	ROLL-IN REFRIGERATOR	—	—	—	—	1	CHRYSLER KOPPIN
CB-3	ROLL-IN STORAGE	—	—	—	—	1	—
CB-4	ROLL-IN STORAGE	—	—	—	—	1	—
CB-5	PASS-THRU HOT FOOD STORAGE	—	—	—	—	1	THERMOTAINER MODEL 1456
CB-6	4 COMPARTMENT REFRIGERATOR	—	—	—	—	1	CHRYSLER & KOPPIN
CB-7							
CB-8	ROLL-IN STORAGE	—	—	—	—	1	—
CB-8-1	PASS THRU STORAGE	—	—	—	—	1	MOUNTED ON THERMOTAINER
CB-9	HOT FOOD UNIT	—	—	—	—	1	THERMOTAINER MODEL 1456
CB-9-1	PASS THRU STORAGE	—	—	—	—	1	PLACED ON THERMOTAINER CB-9
CB-10	ROLL-IN STORAGE	—	—	—	—	1	—
CB-11	ROLL-IN REFRIG.	—	—	—	—	1	CHRYSLER & KOPPIN
CB-12	ROLL-IN REFRIG.	—	—	—	—	1	" " "
CB-13	ROLL-IN STORAGE	—	—	—	—	1	—
CB-14	SIGNAL CONTROL PANEL	—	—	—	—		
	CONTRACT CAFETERIA SERVING LINE						
CC-1	PORT. TRAY & SILVER UNIT	—	—	—	—	1	LINCOLN PORT-A-TERIA MOD. TS-200
CC-2	PORT. HOT FOOD TABLE	—	—	—	—	1	" " " " MOD. GH-72
CC-3	PORT COLD FOOD TABLE	—	—	—	—	1	" " " " MOD. GC-72
CC-4	PORT. UTILITY TABLE					1	MOD. GU-72
CW-1	WATER STATION	1/2" C	1"	—	—	1	—
	CASHIER						
CA-1	CASHIERS STAND	—	—	—	—	1	—
CA-2	CASHIERS STAND	—	—	—	—	1	—

NO	DESCRIPTION	WATER	WASTE	GAS	STEAM	REQD	REMARKS
	SCRAPPING ROOM						
CS-1	TRAY DEPOSIT BELT CONVEYOR	—	—	—	—	1	OLSON
CS-2	WORK TABLE	—	—	—	—	1	—
CS-3	DISH BOX STOR. RACK	1 1/2" C	2"	—	—	1	—
CS-4	GRINDER	1 1/2" C	2"	—	—	1	RED GOAT
CS-5	PIN CONVEYOR AND SUBVEYOR	—	—	—	—	1	OLSON
CS-6	DISH BOX STOR. RACK	1 1/2" C	2	—	—	1	—
CS-7	GRINDER	1 1/2" C	2	—	—	1	RED GOAT
CS-8	WORK TABLE	—	—	—	—	1	—
CS-9	TRAY DEPOSIT BELT CONVEYOR	—	—	—	—	1	—
	SNACK BAR TRAY AND SILVER						
T-1	NAPKIN DISPENSER	—	—	—	—	4	—
T-2	SILVER DISPENSER	—	—	—	—	5	—
T-3	PORTABLE TRAY LOWERATOR	—	—	—	—	5	SHELLEYMATIC MODEL TT-1418
	SNACK BAR SERVICE						
S-1	SALAD DISPLAY	—	2"	—	—	1	REMOTE COMPRESSOR, 1 1/2" CW
S-2	SANDWICH DISPLAY	—	2"	—	—	1	" " "
S-3	HOT FOOD	1/2" H.W.	2"	—	—	1	—
S-4	SALAD DISPLAY	—	2"	—	—	1	REMOTE COMPRESSOR
S-5	GLASS DISPENSER	—	—	—	—	1	SHELLEYMATIC. LT-1418
S-6	MILK DISPENSER	—	—	—	—	1	METERFLO W/AUTO SIGNAL
S-7	CUP DISPENSER	—	—	—	—	1	SHELLEYMATIC #LT-1418 W/HEAT STRIP
S-8	COFFEE & CREAM DISP.	—	2"	—	—	1	METERFLO KK-2 W/AUTO SIGNAL METERFLO W/AUTO SIGNAL
S-9	SALAD DISPLAY	—	2"	—	—	1	REMOTE COMPRESSOR
S-10	PASS-THRU COUNTER	—	—	—	—	1	—
S-11	GLASS DISPENSER	—	—	—	—	1	—
S-12	ICE DISPENSER	—	2"	—	—	1	REYNOLDS MODEL SRD-75
S-13	SODA DISPENSER	1/2" C	2"			1	
S-14	ICE CREAM DISPLAY	—	—	—	—	1	SHELLEY RF-8422
S-15	MILK SHAKE MACH.	—	—	—	—	1	MIX-N-SERVE MODEL MNS-2268
S-16	PASS-THRU-COUNTER	—	—	—	—	1	—
S-17	GLASS DISP.	—	—	—	—	1	—
S-18	SLUSH MACHINE	—	—	—	—	1	—
S-19	ICE CREAM DISP	—	—	—	—	1	SHELLEYMATIC
S-20	DESSERT DISPLAY	—	2"	—	—	1	REMOTE-USE SAME TRUNK LINES
S-21	HOT CHOCOLATE	1/2" H.W.	—	—	—	1	COLOMNWARE
	SNACK BAR-BACK BAR						
SB-1	ROLL-IN STORAGE	—	—	—	—	1	—
SB-2	ROLL-THRU REFRIG.	—	—	—	—	1	CHRYSLER & KOPPIN
SB-3	ICE CREAM STORAGE	—	—	—	—	1	BASTION BLESSING MODEL 255 W/MODEL 805 ENCLOSURE & COMP. COMP. TO SERVE SB-6 & SB-3
SB-4	SOFT ICE CREAM DISP.	—	—	—	—	1	ELECTRO FREEZE MODEL 88
SB-5	MILK SHAKE MACHINE	3/8" H&C	3/8"	—	—	1	ELECTRO FREEZE MODEL 77 (REMOTE COMP.)
SB-6	FOUNTAIN (SODA)	1/2" C	2"	—	—	1	BASTON BLESSING MODEL 884V CARBONATED WATER FROM S-13 LESS CARBONATOR
SB-7	ROLL-IN REFRIG	—	—	—	—	1	CHRYSLER & KOPPIN
SB-8	ROLL-IN REFRIG					1	" " "
	CARRY OUT						
CO-1	REFRIGERATOR	—	—	—	—	1	CHRYSLER & KOPPIN
	DISH ROOM						
D-1	POT & PAN LANDING TABLE	—	—	—	—	1	—
D-1-1	GRINDER	3/4" C	—	—	—	1	WASTEKING MODEL RHCM-3 COMPLETE W/APL SPRAY ASSEM.
D-2	3 COMP. SINK	3/4" H&C	2"	—	—	1	—
D-3	PORTABLE PAN RACK	—	—	—	1/2" S	1	STEAM FOR FINAL RINSE PEMBERTHY INJECTOR NO RETURN
D-4	PORTABLE SOAK SINK	—	—			1	WALL MTD. SWING SPOUT WITH HOSE CONN.
D-5	DRYER	—	—		3/4" S 3/4" R	1	HUEBSCH 6" EXHAUST REQ'D.
D-6	WASHER	3/4" H&C	2"			1	SPEED QUEEN MODEL #LED
D-7	PORTABLE WORK TABLE	—	—	—	—	1	
D-8	DISH MACHINE	1 1/2" C 140°	2"	—	3/4" S, 1/2" R	1	HOBART MODEL FT-524 2-1 1/4" S FOR DISH 2-1" R & DRYER
D-9	DISH LANDING TABLE	—	3/4"	—	—		
D-10	GLASS WASHER	1/2" H&C	1 1/2"	—	3/4" S, 1/2" R	1	
D-2-1	POT WASHER	—	—	—	—	1	KEWAUNEE MODEL 99
D-11	PORT. WORK TABLE	—	—	—	—	1	—
D-12	POT & PAN MACHINE	3/4" C 1" 140°	1 1/2"	—	1" S, 3/4" R	1	FMC MODEL 204, 8" VENT
D-13	DRAIN TABLE						
	SNACK BAR-DRINK						
SD-1	MILK DISPENSER	—	—	—	—	1	METERFLO F-2-2 W/AUTO SIGNAL
SD-2	GLASS DISPENSER	—	—	—	—	1	SHELLEYMATIC #LT-1418
SD-3	TEA OR LEMONADE	1/2" C	1" COUNTER	—	—	1	COLUMNWARE
SD-4	ICE MACHINE	1/2" C	1" INSULATED LINE FROM SODA DISP.				REYNOLDS MODEL - WATER TO BE PRECOOLED BY SODA DISP. SD-5
SD-5	SODA DISPENSER	1/2" C	1" COUNTER	—	—	1	—
SD-6	SODA DISP. OVERSHELF	—	—	—	—	1	—
SD-7	BEVERAGE DISP.	—	—	—	—	1	AMF TWIN CD-35
SD-8	GLASS DISP.	—	—	—	—	1	SHELLEYMATIC LT-1418
SD-9	SLUSH MACHINE	—	1" COUNTER	—	—	1	ELECTRO FREEZE MODEL S-90
SD-10	MILK SHAKE MACH.	3/8" H&C	3/8"	—	—	1	" " " 77
SD-11	HOT CHOCOLATE DISP.	1/2" H.W.	—	—	—	1	COLUMNWARE
SD-12	CUP DISPENSER	—	—	—	—	1	SHELLEYMATIC LT-1418 W/HEAT STRIP
SD-13	COFFEE DISP.	—	2"	—	—	1	METERFLO KK-2 W/AUTO SIGNAL
SD-14	CREAM DISP.	— COMMON	2	—	—	1	METERFLO W/AUTO SIGNAL
SD-15	COFFEE DISP.	—	2"	—	—	1	METERFLO KK-2 W/AUTO SIGNAL
SD-16	HOT WATER DISP.	1/2" H.W.	2"	—	—	1	NATIONAL
SD-17	SODA DISP. OVERSHELF	—	—	—	—	1	—
SD-18	SODA DISP.	1/2" C	2	—	—	1	—
SD-19	ICE MACHINE	1/2" C	2 INSULATED LINE FROM SODA COOLER	—	—	1	REYNOLDS MODEL 800 - WATER TO BE PRECOOLED BY SODA DISP. SD-18
SD-20	MILK DISPENSER	—	—	—	—	1	METERFLO F-2-2 W/AUTO SIGNAL
SD-21	GLASS DISP.	—	—	—	—	1	SHELLEYMATIC #LT-1418

NO	DESCRIPTION	WATER	WASTE	GAS	STEAM	REQD	REMARKS
	SNACK BAR-PREP.						
SP-1	REFRIG (UNDER COUNTER)	—	—	—	—	1	CHRYSLER & KOPPIN
SP-2	" " "	—	—	—	—	1	" " "
SP-3	SANDWICH BOARD	—	—	—	—	1	BASTION-BLESSING MOD. 655-C
SP-4	FREEZER (UND. CTR)	—	—	—	—	1	CHRYSLER & KOPPIN
SP-5	COUNTER TOP	—	—	—	—	1	
SP-6	CHARCOAL BROILER	—	—	—	—	1	CHARK-OL MODEL 880-4A
SP-7	GRIDDLE	—	—	—	—	1	TOASTMASTER MODEL F-7-6-B
SP-8	FRYER	—	—	—	—	2	WELLS MODEL F-108
SP-9	GRIDDLE STAND	—	—	—	—	1	BASTON BLESSING MODEL 207
SP-10	WORK TABLE W/DBL. SINK	1/2" H&C	1 1/2"	—	—	1	—
SP-11	ROLLER GRILL	—	—	—	—	1	CONNOLY ROLL-A-GRILL MOD A-35
SP-12	PASS-THRU SHELF W/IN-FRA RED	—	—	—	—		
SP-13	GRIDDLE GRILLE	—	—	—	—	1	TOASTMASTER MODEL 7A2
SP-14	SIGNAL PANEL						
SS-1	TRAY DEPOSIT BELT CONVEYOR	—	—	—	—	1	OLSON
SS-2							
SS-8							
SS-3	GRINDER	1/2" C	2"	—	—	1	RED GOAT
SS-4	DISH BOX STOR. RACK	1 1/2" C	2"	—	—	1	
SS-5	GRINDER	1 1/2" C	2"	—	—	1	RED GOAT
SS-6	WORK TABLE	—	—	—	—	1	
SS-7	" "	—	—	—	—	1	
SS-9	TRAY DEPOSIT BELT CONVEYOR	—	—	—	—	1	OLSON
SS-10	TRAY DEPOSIT BELT CONVEYOR	—	—	—	—	1	OLSON
SS-11	PIN CONVEYOR & SUBVEYOR	1/2"	1 1/2"	—	—	1	OLSON
SW-1	WATER STATION	—	—	—	—	1	—
	SECOND FLOOR BANQUET SERVERY						
BS-1	PORT. HOT FOOD TABLE	—	—	—	—	2	—
BS-2	PORT. PLATE LOWERATORS	—	—	—	—	2	—
BS-3	REF. W/ROLL IN RACKS	—	—	—	—	1	CHRYSLER - KOPPIN
BS-4	DISH PROCESSING TAB.	—	—	—	—	1	—
BS-4-1	GRINDER	1 1/2"	2"	—	—	1	RED GOAT
BS-5	DISH PROCESS. TABLE	—	—	—	—	1	—
BS-5-1	GRINDER	1 1/2"	2"	—	—	1	RED GOAT
BS-5-2	BUCKET RACK	—	—	—	—	1	—
BS-6	PORT. ICE CHEST	—	—	—	—	2	—
BS-7	WATER STATION	3/4" C	1 1/2"	—	—	2	—
BS-7-1	SINK	1/2" H&C	1 1/2"	—	—	1	—
BS-8	AIR VOID STAND	—	1 1/2"	—	—	1	—
BS-9	COFFEE URN	1/2" C	—	—	—	1	—
BS-9-1	COFFEE URN STAND	—	1 1/2"	—	—	1	—
BS-10	PORTABLE HOT FOOD CART	—	—	—	—	1	—
BS-11	ICE CREAM CABINET						
BS-12	SINK						
	THIRD FLOOR INN SERVERY						
IS-1	PORT DISH LOWERATOR	—	—	—	—	1	—
IS-2	HOT FOOD TABLE	1/2" H.W.	1"	—	—	1	—
IS-3	SANDWICH BOARD	—	—	—	—	1	BASTION BLESSING 655-C
IS-4	DESSERT COUNTER	1/2" C	1"	—	—	1	—
IS-4-1	UNDERSHELF SALAD DRES. DISPENSER PASS THRU	—	—	—	—	1	STERIL-SIL
IS-5	ROLL-IN RACK REF.	—	—	—	—	1	CHRYSLER - KOPPIN
IS-6	PORT. ROLL WARMER	—	—	—	—	1	—
IS-7	WALL CUPBOARD (NIC)						
IS-8	PORTABLE DISH LOWERATOR	—	—	—	—	1	SHELLEYMATIC MODEL EDS 2-H
IS-9	BROILER	—	—	108 CFH	—	1	VULCAN VTMB-22
IS-10	COUNTER & UNDERCOUNTER REFRIG. & DEEPFREEZE	—	—	—	—	1	CHRYSLER - KOPPIN
IS-11	ELECTRONIC OVEN	—	—	—	—	1	MICRO MATIC
IS-12	FRYER	—	—	—	—	1	VULCAN VF-1
IS-13	FLEX SEAL COOKER	—	1/2"	—	1/2" S	1	FLEX-SEAL MODEL 85
IS-13-1	SHELF	—	—	—	—	1	
IS-14	WORK TABLE & DBL. SINK	3/4" H&C	1 1/2"	—	—	1	
IS-14-1	SINK COVERS	—	—	—	—	1	
IS-14-2	THERMOTAINERS	—	—	—	—	1	THERMOTAINER 1801
IS-15	PORT ICE CHEST	—	—	—	—	1	
IS-16	COFFEE URN STAND AND CARAFE FILLERS	3/4" C	—	—	—	1	
IS-16-1	COFFEE URN	1/2" C	—	—	—	1	
IS-17	FOLDING SHELVES	—	—	—	—	1	
IS-18	DISH PROCES. TABLE	—	—	—	—	1	
IS-18-1	GRINDER	3/4" C	2"	—	—	1	
IS-19	PORT. DISH BOX CART	—	—	—	—	6	

KITCHEN EQUIPMENT SCHEDULE

DR. | CK. | APP.

BULLETIN NO. 24 DEC. 14, 66

REVISIONS

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT, MIDLAND, MICHIGAN
ROBERT J. DAVIS, STRUCTURAL ENGINEER, DETROIT, MICHIGAN
HYDE & BOBBIO INC., MECHANICAL ENGINEER, DETROIT, MICHIGAN
D.C. OSTERHELD, FOOD SERVICE CONSULTANT, MADISON, WISCONSIN

UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

KITCHEN EQUIPMENT SCHEDULE
SCALE: NONE
DATE: 6 MAY 1966

M 30

AIR CONDITIONING UNIT SCHEDULE

ADD.#1

No.	Location	CFM	Supply Air Fans: Wheel Dia.	S.P.	RPM	H.P.	Cooling Coil: T.L.	T.F.	Total F.A.	E.A.T. D.B./W.B.	L.A.T. D.B./W.B.	Rows	Heating Coil: T.L.	T.F.	Total F.A.	Face Velocity RPM	E.A.T.	L.A.T.	Return Air Fans: C.F.M.	Wheel Dia.	S.P.	R.P.M.	H.P.	Stm. Grid Humidifier: #/HR.	Length of Grid
AC-1	3RD FL. EQ. RM.	86,000	60"	2½"	506	50	10'-0"	24	166.4	80/65.6	51.5/50	8	—	—	—	—	—	—	86,000	60"	1"	424	30	1@650 EA.	2@7'-0" EA.
AC-2	3RD FL. EQ. RM.	86,000	60"	2½"	506	50	10'-0"	24	166.4	80/65.6	51.5/50	8	—	—	—	—	—	—	86,000	60"	1"	424	30	1@650 EA.	2@7'-0" EA.
AC-3	4TH FL. EQ. RM.	18,000	27"	2"	753	10	8'-6"	18	35.3	77/64	51.5/50	6	8'-6"	21	20.58	435	50	120	18,000	32"	1¼"	1420	7½	52	9'-6"
AC-4	5TH FL. EQ. RM.	18,000	27"	2"	753	10	8'-6"	18	35.3	77/64	51.5/50	6	8'-6"	21	20.58	435	50	120	18,000	32"	1¼"	1420	7½	52	9'-6"
AC-5	6TH FL. EQ. RM.	18,000	27"	2"	753	10	8'-6"	18	35.3	77/64	51.5/50	6	8'-6"	21	20.58	435	50	120	18,000	32"	1¼"	1420	7½	52	9'-6"

BOOSTER COIL SCHEDULE

Coil No.	C.F.M.	Coil Size	Min. Coil Face Area	Rows	Final Air Temp. (°F)	G.P.M.	Water Hd. Loss (FT)	Air Friction In "H_2O	Pipe Size	Location
BC-1	3,300	3'-6"×20"	4.7 Φ	1	80	4.5	0.3	.15	3/4"	BASEMENT SOUTH
BC-2	4,640	5'-0"×20"	7.5 Φ	1	80	6.3	0.8	.12	3/4"	BASEMENT SOUTH
BC-3	2,520	3'-0"×20"	4.0 Φ	1	80	3.4	0.2	.12	3/4"	BASEMENT SOUTH
BC-4	2,000	2'-6"×17"	2.9 Φ	1	75	2.5	0.9	.16	3/4"	BASEMENT SOUTH
BC-5	12,480	6'-0"×37"	17.9 Φ	1	80	17.0	1.4	.15	1¼"	BASEMENT SOUTH
BC-6	4,570	5'-0"×20"	7.5 Φ	1	80	6.2	0.8	.12	3/4"	BASEMENT NORTH
BC-7	8,900	6'-0"×29"	12.4 Φ	1	80	12.2	1.1	.15	1¼"	BASEMENT NORTH
BC-8	1,710	2'-0"×17"	2.3 Φ	1	75	2.1	0.4	.16	1/2"	BASEMENT NORTH
BC-9	2,380	2'-6"×20"	3.3 Φ	1	75	2.9	0.3	.15	3/4"	BASEMENT NORTH
BC-10	2500	3'-0"×20"	4.0 Φ	2	115	8.1	0.2	.21	1"	FIRST FLOOR SOUTH
BC-11 *	300	2'-0"×8¾"	1.0 Φ	1-2 1-1	130	1.2	0.1	.26	1/2"	FIRST FLOOR SOUTH
BC-12	1130	2'-0"×17"	2.3 Φ	1	85	1.9	0.1	.09	1/2"	FIRST FLOOR SOUTH
BC-13	2040	2'-6"×20"	3.3 Φ	1	75	2.5	0.1	.12	1/2"	FIRST FLOOR SOUTH
BC-14	700	2'-0"×8¾"	1.0 Φ	1	75	0.8	0.1	.15	1/2"	FIRST FLOOR SOUTH
BC-15	700	2'-0"×8¾"	1.0 Φ	1	75	0.8	0.1	.15	1/2"	FIRST FLOOR SOUTH
BC-16	1000	2'-0"×11½"	1.4 Φ	1	75	1.1	0.1	.15	1/2"	FIRST FLOOR SOUTH
BC-17 *	400	2'-0"×11½"	1.4 Φ	1-2 1-1	130	1.6	0.1	.11	1/2"	FIRST FLOOR SOUTH
BC-18	4000	4'-6"×20"	6.1 Φ	1	75	4.4	0.2	.15	3/4"	FIRST FLOOR SOUTH
BC-19	5200	5'-6"×20"	7.5 Φ	2	110	12.6	0.6	.25	1¼"	FIRST FLOOR NORTH
BC-20	3050	3'-6"×20"	4.7 Φ	1	75	3.4	0.3	.15	3/4"	FIRST FLOOR NORTH
BC-21 *	550	2'-6"×11½	1.8 Φ	1-2 1-1	130	2.2	0.6	.11	1/2"	FIRST FLOOR NORTH
BC-22	3600	4'-0"×20"	5.4 Φ	1	75	3.9	0.3	.15	3/4"	FIRST FLOOR NORTH
BC-23	1420	2'-3"×14"	2.1 Φ	1	80	1.9	0.2	.15	1/2	FIRST FLOOR NORTH
BC-24	1100	2'-3"×11½"	1.6 Φ	1	75	1.2	0.1	.15	1/2"	FIRST FLOOR NORTH
BC-25	600	1'-9"×8¾"	0.8 Φ	1	75	0.6	0.1	.17	1/2"	FIRST FLOOR NORTH
BC-26	600	1'-9"×8¾"	0.8 Φ	1	75	0.6	0.1	.17	1/2"	FIRST FLOOR NORTH
BC-27 *	1000	2'-6"×17"	2.9 Φ	1-2 1-1	130	4.0	1.6	.09	3/4"	FIRST FLOOR NORTH
BC-28 *	350	2'-6"×8¾"	1.2 Φ	1-2 1-1	130	1.2	0.1	.09	1/2"	FIRST FLOOR NORTH
BC-29	2010	2'-6"×20"	3.3 Φ	2	110	6.0	0.1	.20	3/4"	FIRST FLOOR NORTH
BC-30	2160	2'-6"×20"	3.3 Φ	1	75	2.3	0.1	.13	1/2"	SECOND FLOOR NORTH
BC-31	4050	4'-6"×20"	6.1 Φ	1	75	4.4	0.2	.15	3/4"	SECOND FLOOR NORTH
BC-32	540	2'-0"×11½	1.4 Φ	1	90	1.0	0.1	.06	1/2"	SECOND FLOOR NORTH
BC-33	1770	2'-0"×17"	2.3 Φ	1	75	2.1	0.4	.16	1/2"	SECOND FLOOR NORTH
BC-34	1390	2'-3"×17"	2.9 Φ	1	85	2.3	0.1	.09	1/2"	SECOND FLOOR NORTH
BC-35	600	2'-6"×8¾"	1.2 Φ	1	85	1.0	0.1	.09	1/2"	SECOND FLOOR NORTH
BC-36	240	1'-0"×8¾"	0.5 Φ	1	85	0.4	0.1	.09	1/2"	SECOND FLOOR NORTH
BC-37	500	2'-0"×11"	1.4 Φ	1	90	1.0	0.1	.06	1/2"	SECOND FLOOR NORTH
BC-38	2220	3'-0"×20"	4.0 Φ	1	90	4.3	0.2	.09	3/4"	MEZZANINE FLOOR NORTH
BC-39	1350	2'-0"×14"	1.9 Φ	2	90	2.5	0.5	.26	1/2"	MEZZANINE FLOOR NORTH
BC-40	5240	5'-6"×20"	7.5 Φ	1	75	5.7	0.5	.15	3/4"	SECOND FLOOR NORTH
BC-41	1050	2'-6"×11½"	1.8 Φ	1	80	1.4	0.1	.12	1/2"	SECOND FLOOR NORTH
BC-42	1750	2'-6"×17"	2.9 Φ	1	80	2.4	0.1	.12	1/2"	SECOND FLOOR NORTH
BC-43	2100	2'-6"×20"	3.3 Φ	1	75	2.3	0.1	.13	1/2"	MEZZANINE FLOOR SOUTH
BC-44	870	2'-6"×8¾"	1.2 Φ	1	75	0.9	0.1	.15	1/2"	MEZZANINE FLOOR SOUTH
BC-45	4730	5'-0"×20"	7.5 Φ	1	75	5.1	0.5	.15	3/4"	MEZZANINE FLOOR SOUTH
BC-46	450	1'-6"×8¾"	0.7 Φ	1	75	0.5	0.1	.15	1/2"	MEZZANINE FLOOR SOUTH
BC-47	700	2'-0"×8¾"	1.0 Φ	1	75	0.8	0.1	.15	1/2"	MEZZANINE FLOOR SOUTH
BC-48	270	1'-0"×8¾"	0.5 Φ	1	75	0.3	0.1	.09	1/2"	MEZZANINE FLOOR SOUTH
BC-49	2160	2'-6"×20"	3.3 Φ	1	75	2.3	0.1	.13	1/2"	MEZZANINE FLOOR SOUTH
BC-50	170	1'-0"×8¾"	0.5 Φ	1	75	0.2	0.1	.04	1/2"	MEZZANINE FLOOR SOUTH
BC-51	3030	3'-6"×20"	4.7 Φ	1	75	3.4	0.3	.15	3/4"	MEZZANINE FLOOR SOUTH
BC-52	300	1'-0"×8¾"	0.5 Φ	1	75	0.3	0.1	.12	1/2"	MEZZANINE FLOOR SOUTH
BC-53	700	2'-0"×8¾"	1.0 Φ	1	75	0.8	0.1	.15	1/2"	MEZZANINE FLOOR SOUTH
BC-54	4500	5'-6"×20"	7.5 Φ	1	90	8.5	0.9	.12	1"	MEZZANINE FLOOR SOUTH
BC-55	4030	5'-0"×20"	6.8 Φ	1	90	7.7	0.9	.12	1"	MEZZANINE FLOOR SOUTH
BC-56	2700	3'-6"×20"	4.7 Φ	1	90	5.1	0.4	.12	3/4"	MEZZANINE FLOOR SOUTH
BC-57	2700	3'-6"×20"	4.7 Φ	1	90	5.1	0.4	.12	3/4"	MEZZANINE FLOOR SOUTH
BC-58	2700	3'-6"×20"	4.7 Φ	1	90	5.1	0.4	.12	3/4"	MEZZANINE FLOOR SOUTH
BC-59	1120	2'-6"×17"	2.9 Φ	1	90	2.1	0.3	.06	1/2"	MEZZANINE FLOOR NORTH
BC-60	6480	5'-6"×29"	11.3 Φ	1	90	11.2	0.9	.12	1¼"	MEZZANINE FLOOR NORTH
BC-61	1320	2'-0"×14"	1.9 Φ	2	90	2.5	0.5	.26	1/2"	MEZZANINE FLOOR NORTH
BC-62	4050	4'-6"×20"	6.1 Φ	1	75	4.4	0.2	.15	3/4"	MEZZANINE FLOOR NORTH
BC-63	3690	4'-6"×20"	6.1 Φ	1	90	5.1	0.5	.12	3/4"	MEZZANINE FLOOR NORTH
BC-64	2000	2'-6"×20"	3.3 Φ	1	75	2.5	0.1	.12	1/2"	MEZZANINE FLOOR NORTH
BC-65	360	1'-0"×8¾"	0.5 Φ	1	75	0.4	0.1	.15	1/2"	MEZZANINE FLOOR NORTH
BC-66	1480	2'-3"×14"	2.1 Φ	1	75	1.6	0.2	.15	1/2"	MEZZANINE FLOOR NORTH
BC-67	3690	4'-6"×20"	6.1 Φ	1	90	5.1	0.5	.12	3/4"	MEZZANINE FLOOR NORTH
BC-68	4500	5'-0"×20"	6.8 Φ	2	110	13.4	0.9	.26	1¼"	MEZZANINE FLOOR NORTH
BC-69	2460	3'-0"×20"	4.0 Φ	1	90	4.7	0.4	.12	3/4"	MEZZANINE FLOOR NORTH
BC-70	640	2'-3"×11½"	1.6 Φ	1	90	1.2	0.1	.06	1/2"	MEZZANINE FLOOR NORTH
BC-71	270	1'-0"×8¾"	0.5 Φ	1	90	0.5	0.1	.12	1/2"	MEZZANINE FLOOR NORTH
BC-72	1700	2'-6"×20"	3.3 Φ	2	110	5.1	0.4	.16	3/4"	MEZZANINE FLOOR NORTH
BC-73	5320	4'-6"×24"	7.7 Φ	1	75	5.8	0.3	.15	3/4"	THIRD FLOOR SOUTH EQUIP. RM.
BC-74 *	450	2'-6"×11½"	1.8 Φ	1-2 1-1	130	1.8	0.5	.11	1/2"	THIRD FLOOR SOUTH EQUIP. RM.
BC-75 *	510	2'-6"×11½"	1.8 Φ	1-2 1-1	130	2.1	0.6	.11	1/2"	THIRD FLOOR SOUTH EQUIP. RM.
BC-76	500	2'-0"×11"	1.4 Φ	1	90	1.0	0.1	.06	1/2"	THIRD FLOOR SOUTH EQUIP. RM.
BC-77	4960	5'-0"×20"	6.8 Φ	1	75	5.3	.03	.15	¾"	FIRST FLOOR NORTH

NOTE:
1. E.A.T. = 35°
2. WATER TEMPATURE = 200°/160°
3. ALL COILS TWO CIRCUITS
4. * TWO COILS

PUMP SCHEDULE

Service	Location	GPM	FT. Head	H.P.	Type
CONDENSER WATER	3RD FLOOR EQUIP. RM.	2760	65	75	8"×10" D.S.
CHILLED WATER	3RD FLOOR EQUIP. RM.	1500	85	75	8"×10" D.S.
HEATING HOT WATER	3RD FLOOR EQUIP. RM.	300	100	15	3"×4" D.S.

GREASE TRAP SCHEDULE

Grease Trap No.	Josam Model No.	Flow Rate (GPM)	Grease Holding Capacity LBS	Location	Remarks
1	JRC-14	200	400	DISHWASHING AREA BASEMENT	IN PIT-SEE TYPICAL DETAIL DRAWING No. M-9
2	JH-5	35	70	DISHWASHING AREA BASEMENT	IN PIT-SEE TYPICAL DETAIL DRAWING No. M-9
3	JH-7	75	150	MEAT SHOP FIRST FLOOR	IN PIT IN UNEXCAVATED AREA SEE TYPICAL DETAIL DRW'G No. M-9
4	JH-4	25	50	BAKE SHOP FIRST FLOOR	IN PIT IN UNEXCAVATED AREA SEE TYPICAL DETAIL DRW'G No. M-9
5&6	JHR-5	35	70	FIRST FLOOR KITCHEN	FLUSH WITH FLOOR-SEE DETAIL DRW'G No.-M-9
7	JHR-4	25	50	FIRST FLOOR KITCHEN	FLUSH WITH FLOOR-SEE DETAIL DRWG No.-M-9

EXHAUST FAN SCHEDULE

Fan No.	Area Served	CFM	S.P. In "H_2O	Fan RPM	H.P.	Wheel Dia."	Type
E.F.-1	KITCHEN HOODS	37,940	1¼"	1250	20	42"	AXIAL
E.F.-2	BSMT. T.R. (NORTH)	3,000	5/8"	1550	3/4	15"	AXIAL
E.F.-3	DISHWASHER	3,000	5/8"	1550	3/4	15"	AXIAL
E.F.-4	3RD FL. IN SERVERY	1,750	1"	2350	1/2	15"	AXIAL
E.F.-5	CAN WASH ROOM	500	1/4"	1725	1/6	7	CENTRIFUGAL *
E.F.-6	BSMT, 1 & 2 T.R.S (SOUTH)	5,200	3/4"	1450	1	21	AXIAL
E.F.-7	4,5 & 6 FL. T.R.S	1800	3/4"	1550	1/2	13½	CENTRIFUGAL
E.F.-8	6 FL. STUDENT RM.	1500	5/8"	1300	1/3	13½	CENTRIFUGAL
E.F.-9	BASEMENT DRYER	520	3/8"	1150	1/6	9¾	CENTRIFUGAL *

* DIRECT CONNECTED VENT SET.

KITCHEN FLOOR DRAIN SCHEDULE

No. 1 - JOSAM SERIES No. 5284 CAST IRON RECTANGULAR SECTIONAL FLOOR DRAIN WITH BOLTED TOP SECTION SERVING AS FLASHING CLAMP DEVICE, DOUBLE DRAINAGE FLANGE CAULK BOTTOM OUTLET, HEAVY DUTY HINGED GRATE AND REMOVABLE SEDIMENT BUCKET, NIKALOY FINISH.

No. 2 FLOOR DRAINS SHALL BE "JOSAM" No. 3724-C OR APPROVED EQUAL. CAST IRON WITH DOUBLE DRAINAGE FLANGE, WEEP HOLES, 9" DIA. ADJUSTABLE NICKALOY TOP AND GRATE, PERFORATED SEDIMENT BUCKET WITH INTEGRAL AUXILLARY DRAINAGE RIM SO DESIGNED THAT GRATE CANNOT BE SET IN PLACE UNTIL BUCKET IS IN POSITION, AND 4" OUTLETS, WITH CLAMPING RINGS

No. 3 JOSAM 303-3751 CAST IRON FLOOR DRAIN WITH DOUBLE DRAINAGE FLANGE AND WEEP HOLES, CAULK BOTTOM OUTLET AND 7" POLISHED BRASS ADJUSTABLE STRAINER WITH EXTENDED RIM AND TRACTOR GRATE, WITH CLAMPING RING

NOTE:

ALL FLOOR DRAINS SHALL BE PROVIDED WITH DEEP SEAL TRAPS, LACQUER OR ASPHALTUM COATED

ALL DRAINS IN BASEMENT AND OVER UNEXCAVATED AREAS SHALL NOT REQUIRE CLAMPING RINGS.

SCHEDULES

DR. WV
CK. JPY
APP. JSB

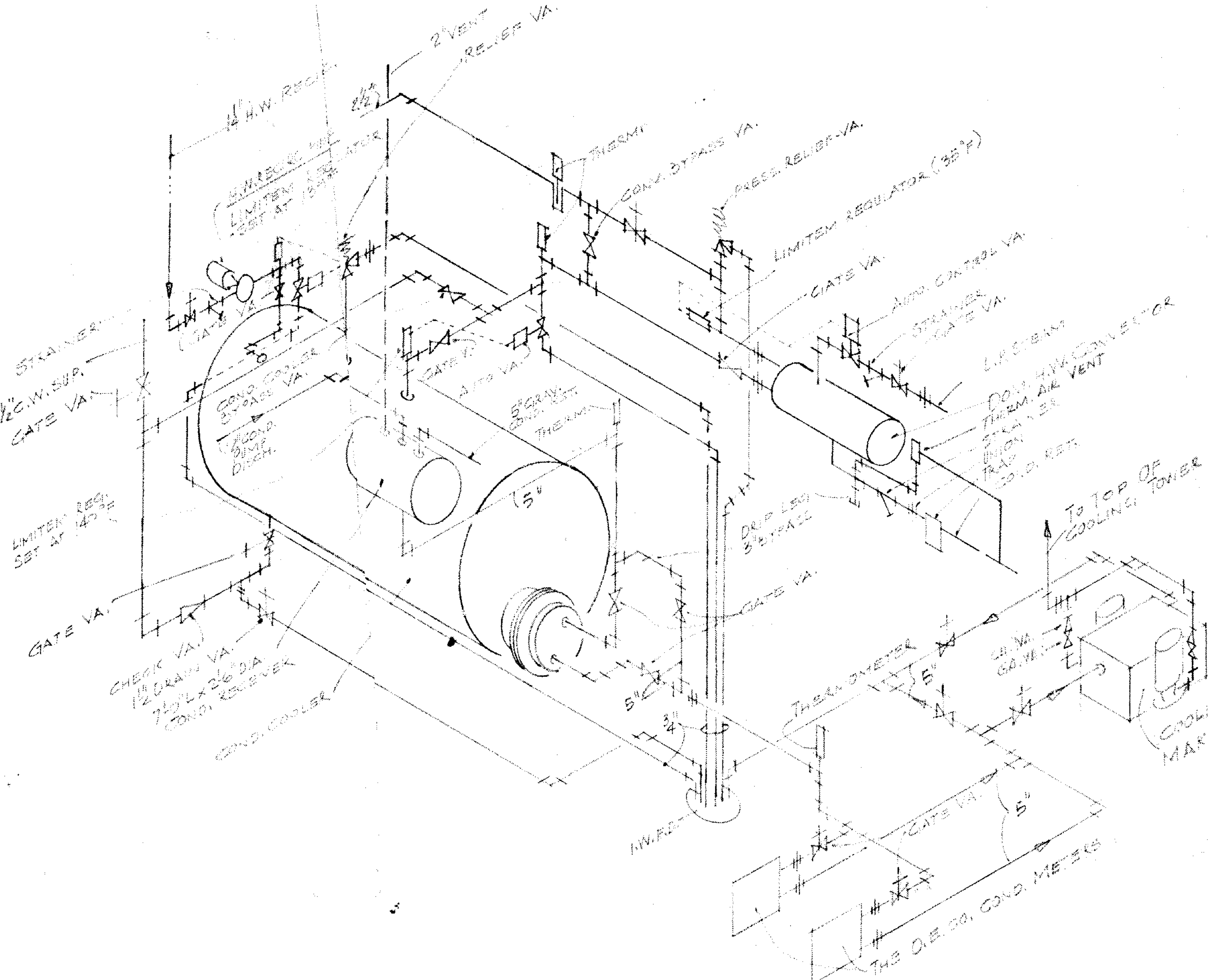
CONSTRUCTION REVISED JULY 30, 1966
REVISIONS

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT — MIDLAND, MICHIGAN
ROBERT J. DAVIS — STRUCTURAL ENGINEER — DETROIT, MICHIGAN
HYDE & BOBBIO INC. — MECHANICAL ENGINEER — DETROIT, MICHIGAN
D.C. OSTERHELD — FOOD SERVICE CONSULTANT — MADISON, WISCONSIN

UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

SCHEDULES
SCALE: NONE
DATE: 6 MAY 1966

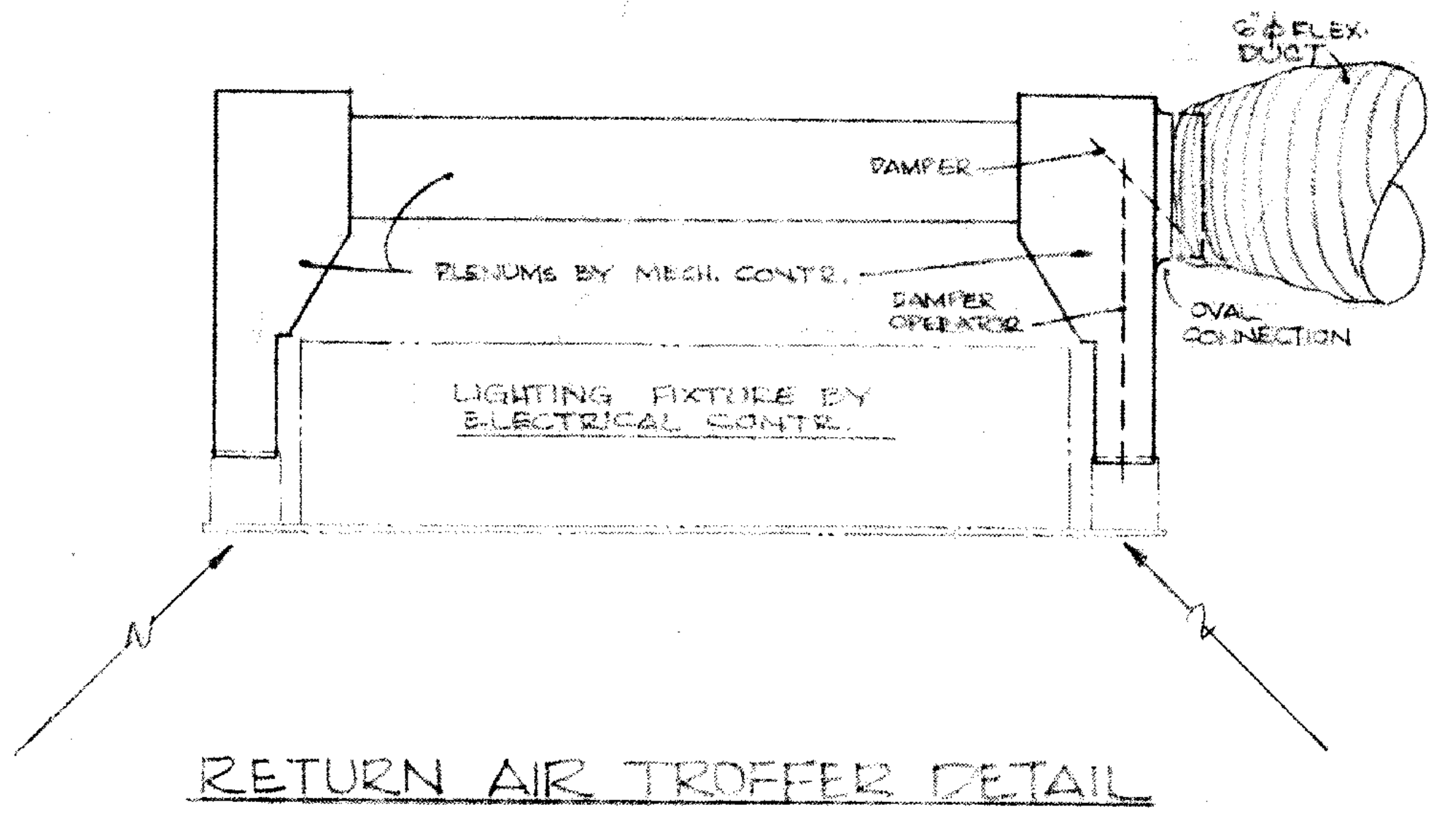
M
31



2" Vent
Relief Va.
1¼" H.W. Recir.
H.W. Recirc. Line
Limitem Regulator Set at 130°F
Therm.
Cond. Bypass Va.
Press. Relief Va.
Limitem Regulator (35°F)
Gate Va.
Auto. Control Va.
Strainer
Gate Va.
L.P. Steam
Dom. H.W. Convertor
Therm. Air Vent
Strainer
Union
Trap
Cond. Ret.
Strainer
2½" C.W. Sup.
Gate Va.
Gate Va.
Cond. Cooler Bypass Va.
Gate Va.
Auto Va.
5" Grav. Cond. Ret.
Therm.
1½" Cond. Pump Disch.
Limitem Reg. Set at 140°F
Gate Va.
Check Va.
1½" Drain Va.
7'-0" L x 26" Dia Cond. Receiver
Cond. Cooler
Drip Leg 3" Bypass
Gate Va.
5"
5"
¾"
To Top of Cooling Tower
Thermometer
Ch. Va.
Ga. Va.
Cooling Tower Water Make-Up Pump
I.W.R.D.
Gate Va.
5"
The D.E. Co. Cond. Meters

For Location See Sht. M-17

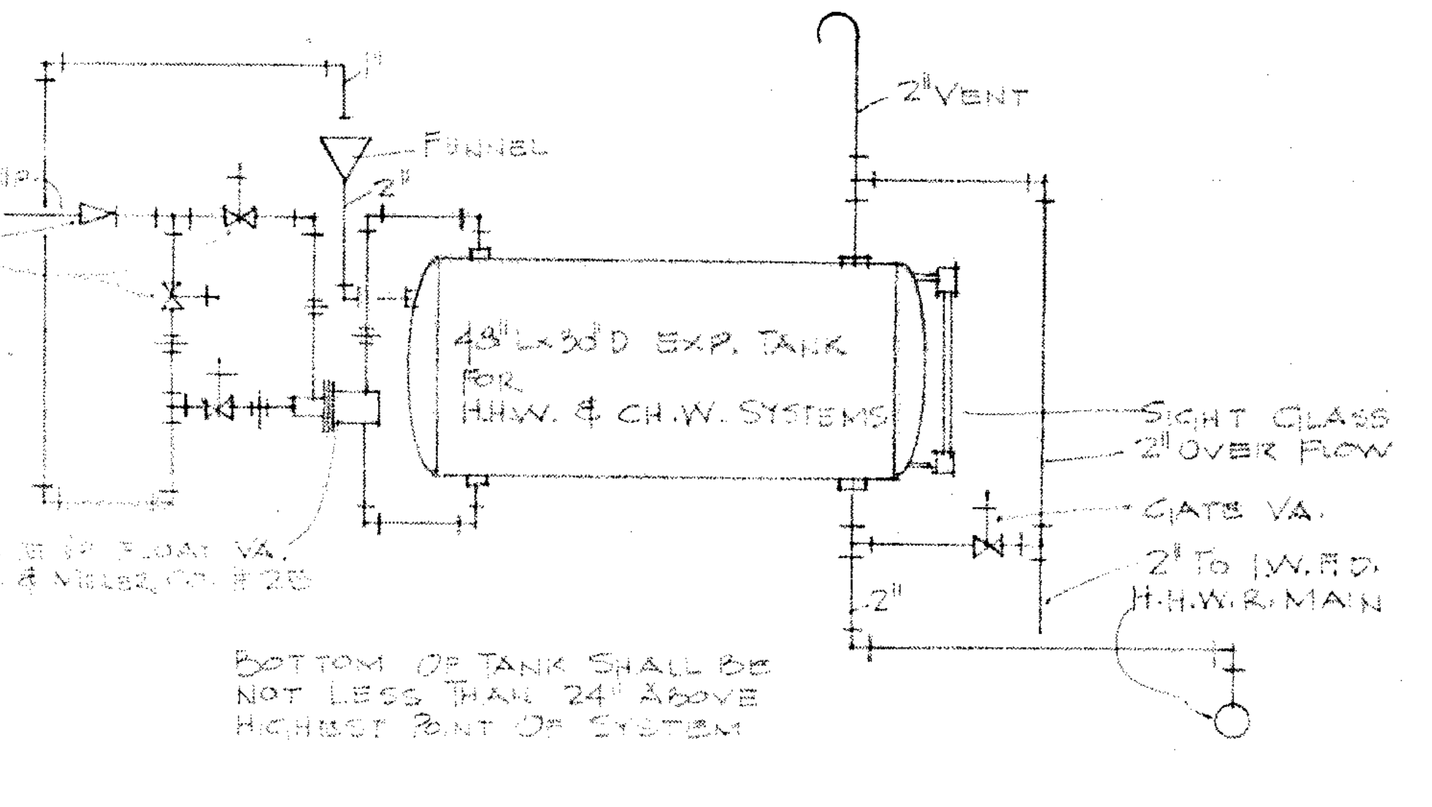
DIAGRAM OF DOMESTIC WATER HEATING SYSTEM



6" ⌀ Flex. Duct
Damper
Plenums by Mech. Contr.
Damper Operator
Oval Connection
Lighting Fixture by Electrical Contr.

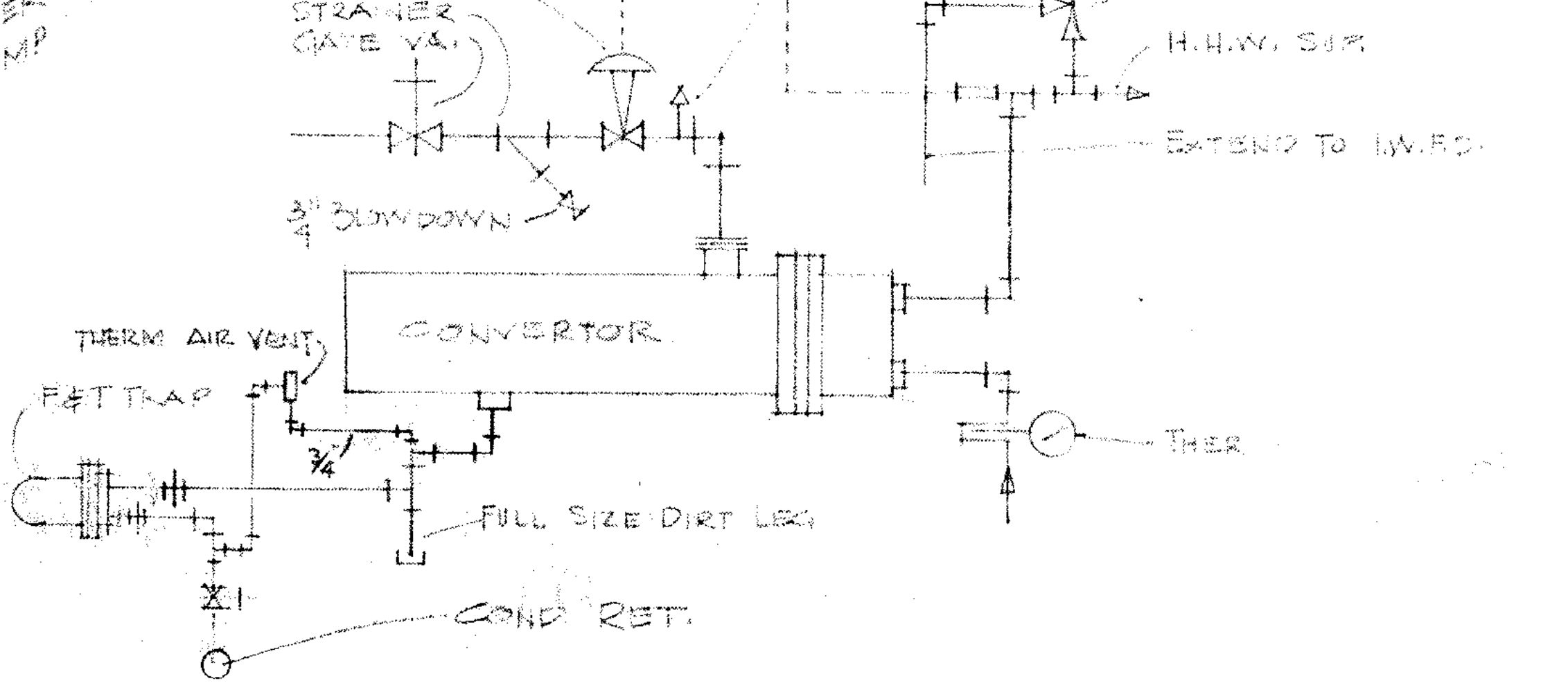
RETURN AIR TROFFER DETAIL

NO SCALE



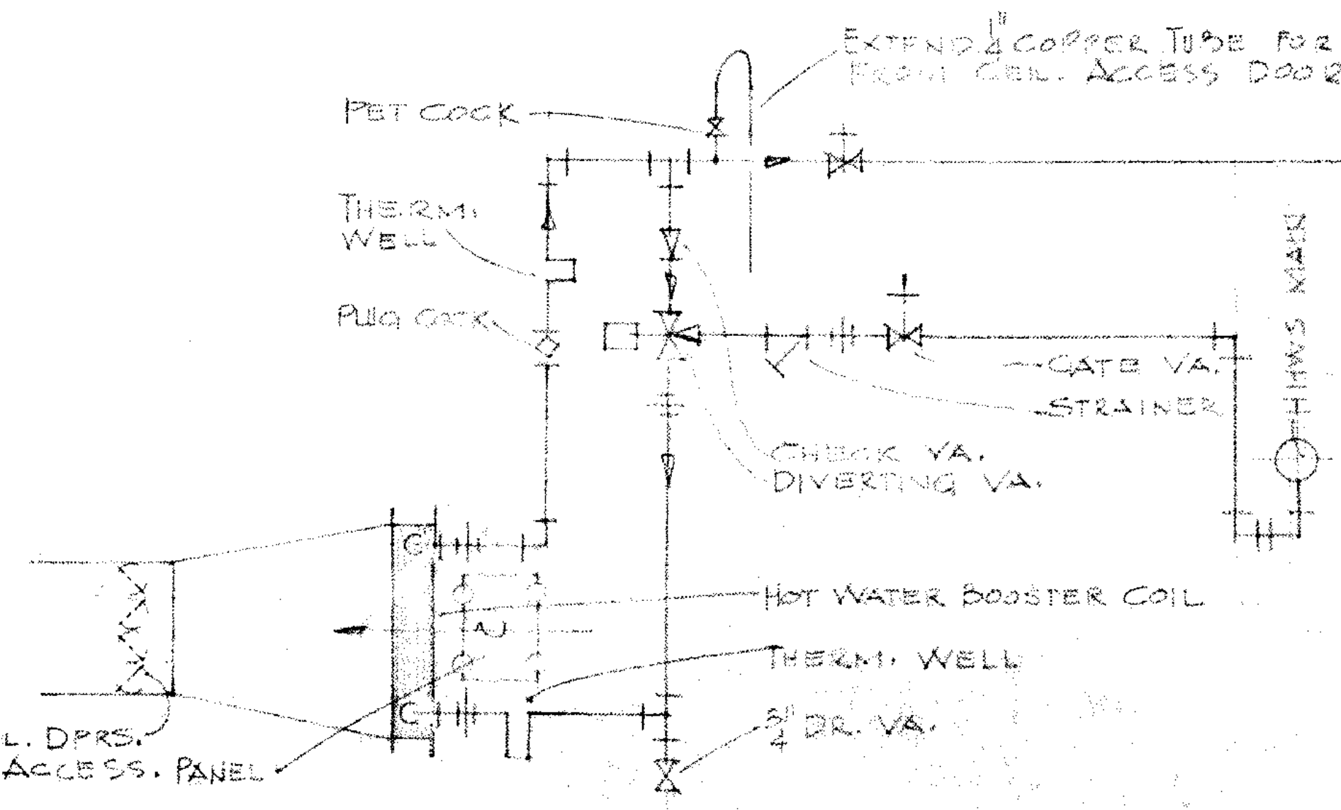
2" Vent
Funnel
1½" C.W. Make-Up
Check Va.
Gate Va.
2"
48" L x 30" D Exp. Tank For H.H.W. & Ch.W. Systems
Sight Glass
2" Over Flow
Gate Va.
2" To I.W.R.D.
H.H.W.R. Main
2"
Water Make Up Float Va. McDonnell & Miller Co. #25
Bottom of Tank Shall Be Not Less Than 24" Above Highest Point of System

DIAGRAM OF TYPICAL EXPANSION TANK (2 REQ'D.)



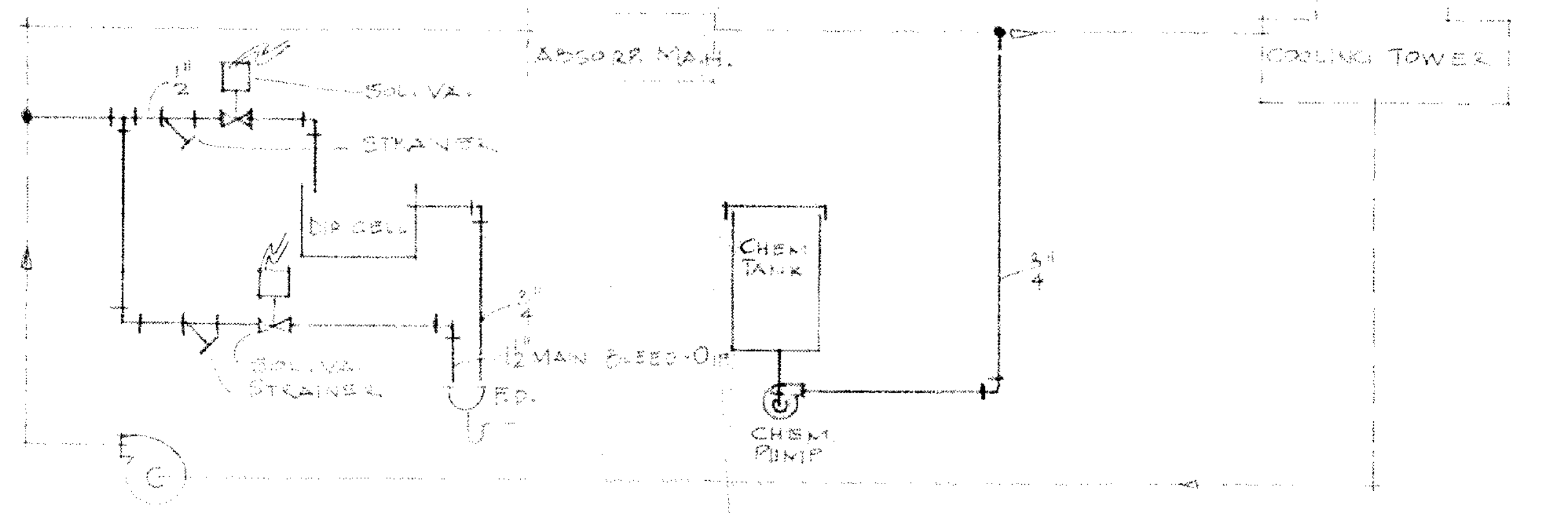
Vac. Breaker (Watts 36 S)
Auto. Va.
Strainer
Gate Va.
Temp. Press. Relief
H.H.W. Sup.
Extend to I.W.R.D.
¾" Blowdown
Convertor
Therm. Air Vent
F&T Trap
¾"
Full Size Dirt Leg
Ther.
Cond. Ret.

DIAGRAM OF PIPING FOR HEATING HOT WATER CONVERTOR



Extend ¼" Copper Tube for Access from Ceil. Access Door
Pet Cock
Therm. Well
Plug Cock
Gate Va.
Strainer
Check Va.
Diverting Va.
HHWS Main
HHWR Main
Hot Water Booster Coil
Therm. Well
¾" Dr. Va.
Vol. Dprs.
Access. Panel

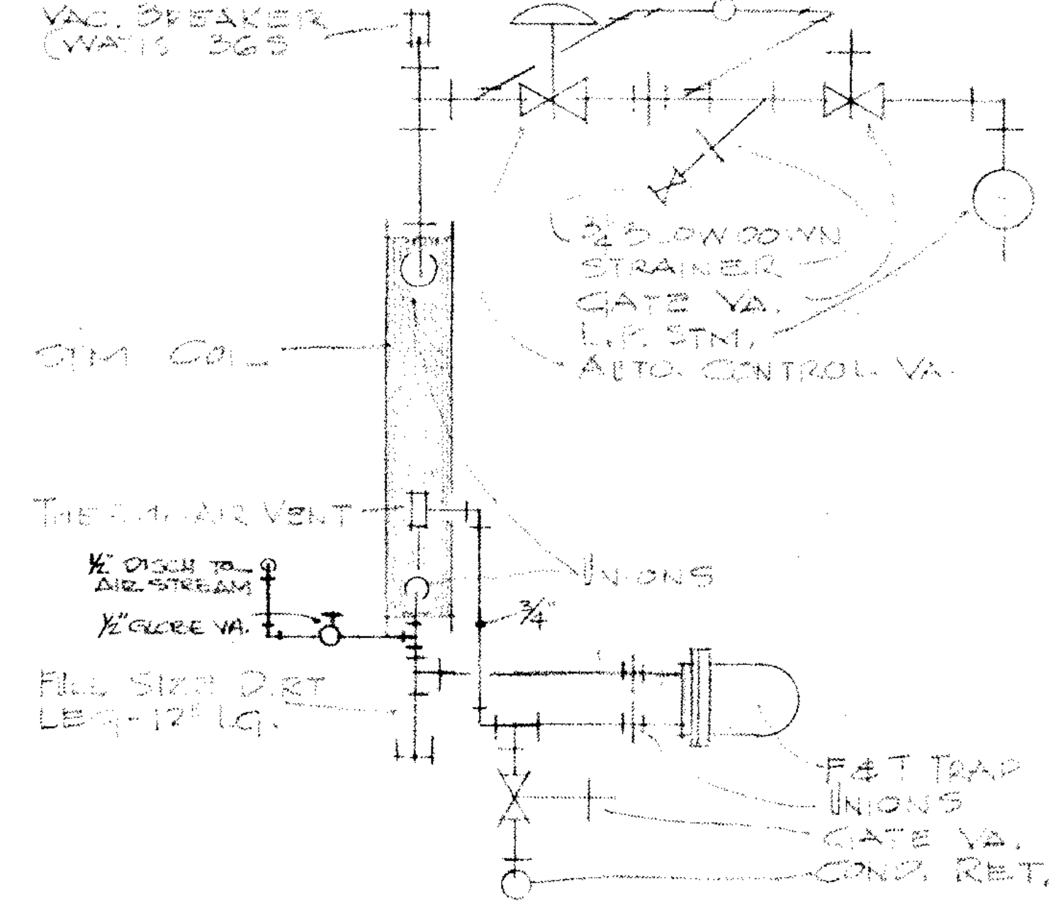
TYPICAL DIAGRAM OF PIPING ETC. FOR HOT WATER BOOSTER COILS



Absorb. Mach.
Cooling Tower
½"
Sol. Va.
Strainer
Dip Cell
¾"
½" Man. Bleed-Off
F.D.
Sol. Va.
Strainer
Chem. Tank
Chem. Pump
¾"
Cond. Wtr. Pump

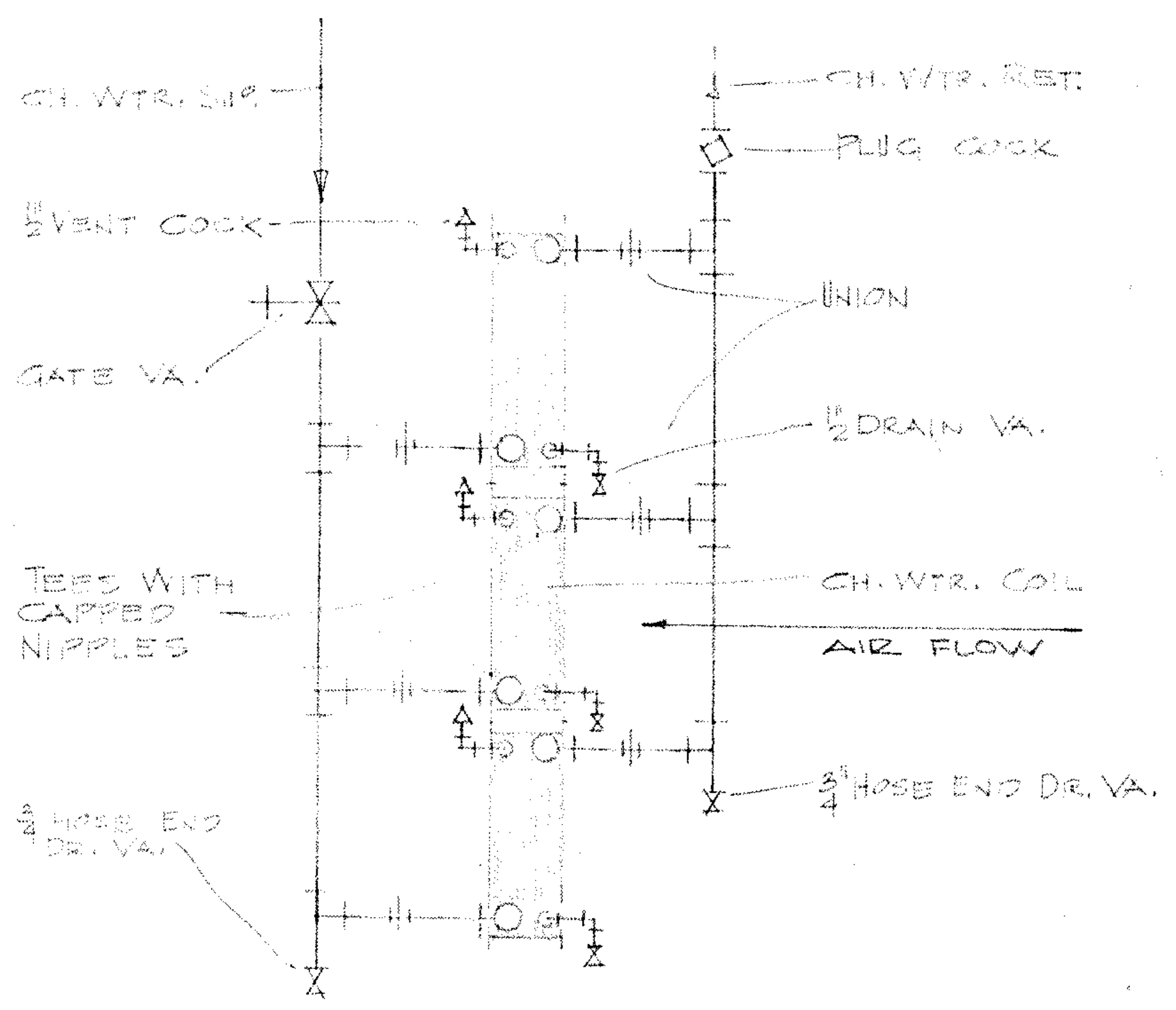
For Location See Sht. M-17

DIAGRAM OF CONDENSER WATER CHEMICAL TREATMENT SYSTEM



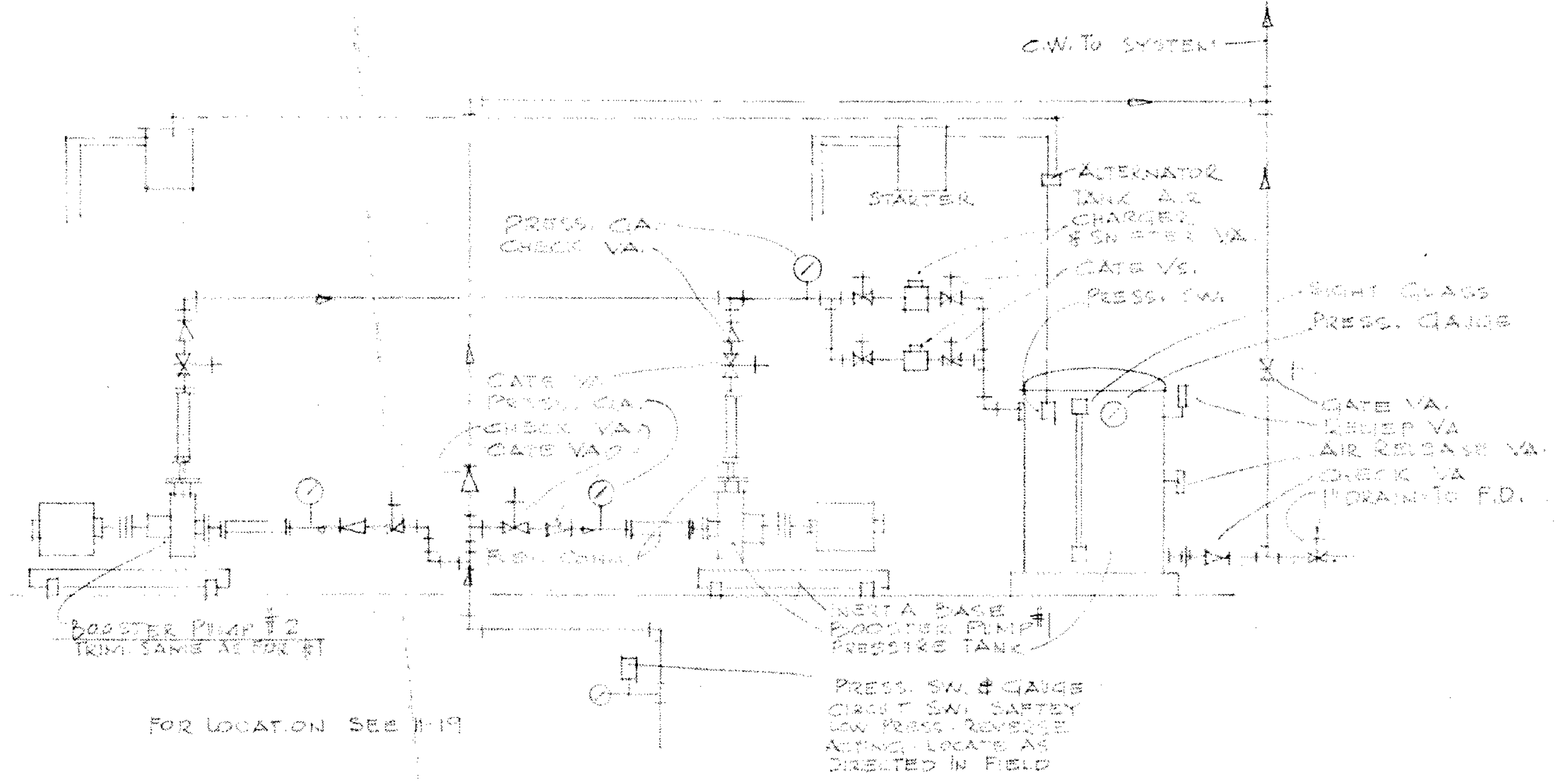
¾" By-Pass Globe Valve
Vac. Breaker (Watts 36 S)
¾" Blowdown
Strainer
Gate Va.
L.P. Stm.
Auto. Control Va.
Stm. Coil
Therm. Air Vent
½" Disch. to Air Stream
½" Globe Va.
Unions
¾"
Full Size Dirt Leg - 12" Lg.
F&T Trap
Unions
Gate Va.
Cond. Ret.

TYPICAL DIAGRAM OF PIPING FOR STEAM HEATING COILS



Ch. Wtr. Sup.
Ch. Wtr. Ret.
Plug Cock
½" Vent Cock
Union
Gate Va.
1½" Drain Va.
Tees With Capped Nipples
Ch. Wtr. Coil
Air Flow
¾" Hose End Dr. Va.
¾" Hose End Dr. Va.

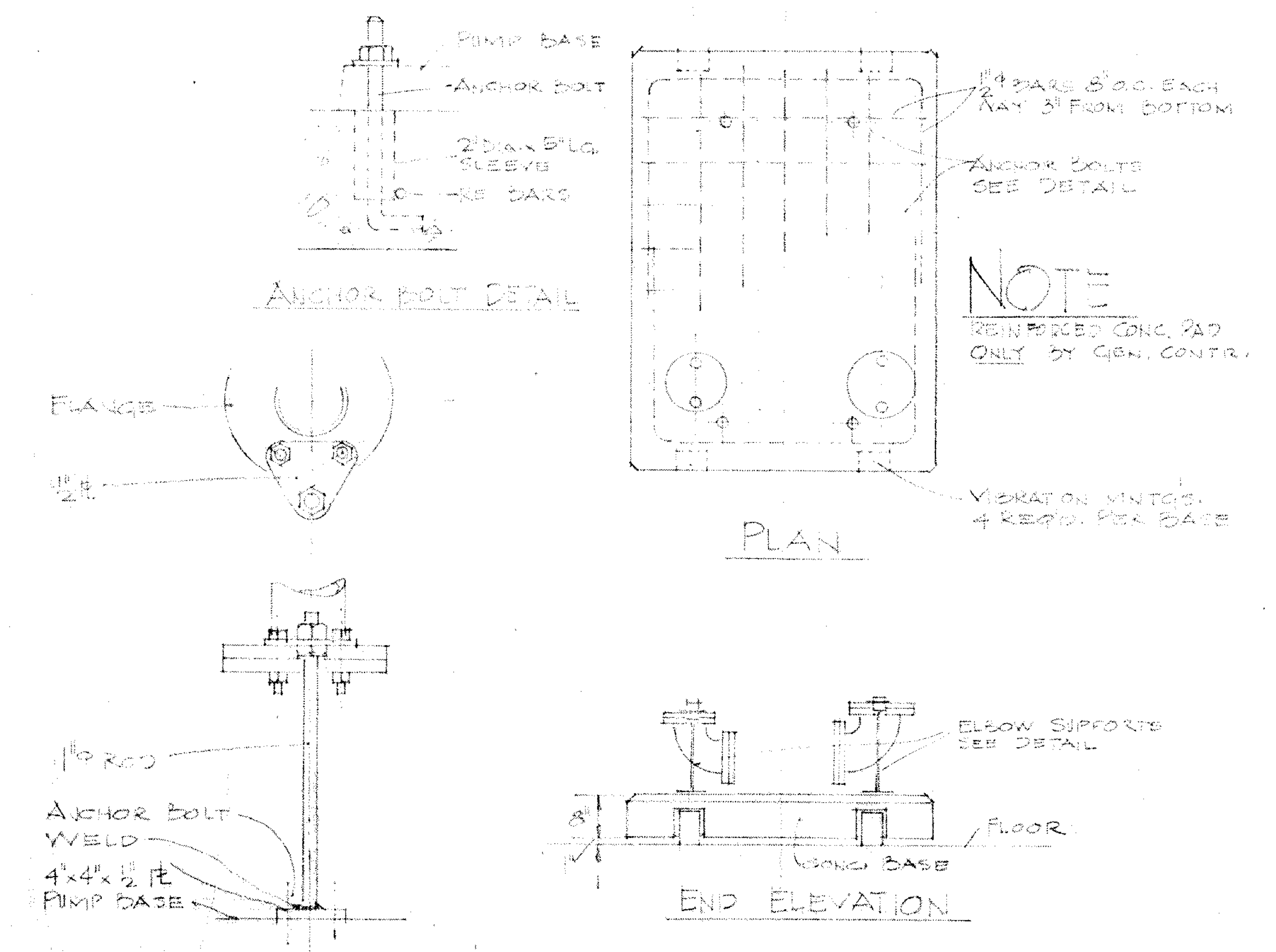
TYPICAL DIAGRAM OF PIPING FOR CHILLED WATER COILS



C.W. to System
Starter
Alternator
Tank Air Charger & Snifter Va.
Press. Ga.
Check Va.
Gate Va.
Press. Sw.
Sight Glass
Press. Gauge
Gate Va.
Press. Ga.
Check Va.
Gate Va.
Gate Va.
Relief Va.
Air Release Va.
Check Va.
1" Drain to F.D.
Flex. Conn.
Booster Pump #2 Trim Same as for #1
Inertia Base
Booster Pump #1
Pressure Tank
Press. Sw. & Gauge Circuit Sw. Saftey Low Press. Reverse Acting. Locate as Directed in Field

For Location See M-19

DIAGRAM OF DOMESTIC WATER PRESSURE BOOSTER SYSTEM



Pump Base
Anchor Bolt
2" Dia x 5" Lg. Sleeve
Re Bars
½" ⌀ Bars 8" O.C. Each Way 3" From Bottom
Anchor Bolts See Detail
Vibration Mntgs. 4 Req'd. Per Base
Flange
½" PL.
1" ⌀ Rod
Anchor Bolt
Weld
4" x 4" x ½" PL. Pump Base
Elbow Supports See Detail
8"
Floor
Conc. Base

ANCHOR BOLT DETAIL

NOTE
REINFORCED CONC. PAD ONLY BY GEN. CONTR.

PLAN

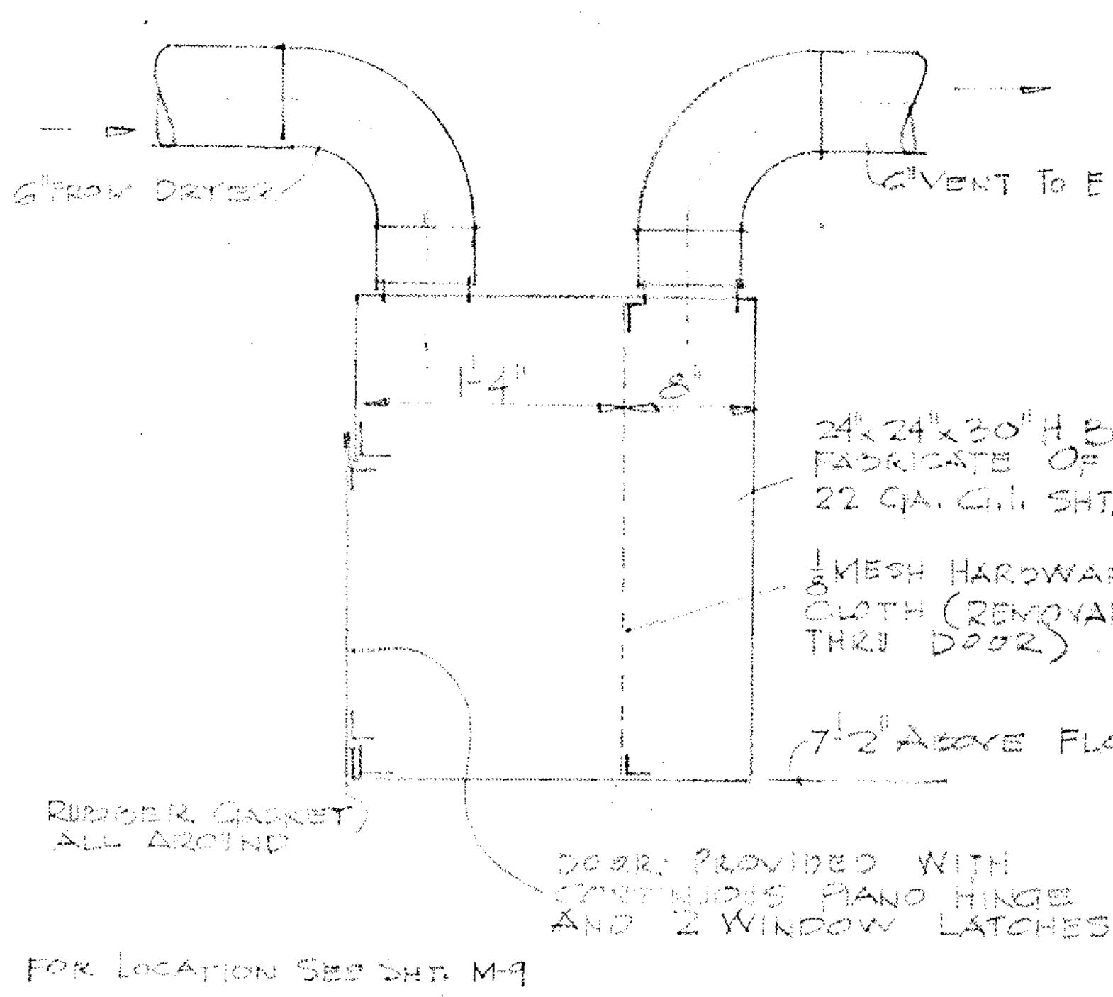
END ELEVATION

ELBOW SUPPORT DETAIL
2 REQ'D. PER ELBOW

For Location See Sht. M-19

TYPICAL DETAIL OF INERTIA PUMP BASE ETC.

NO SCALE



6" From Dryer
6" Vent To EF-9
1'-4"
8"
24" x 24" x 30" H Box Fabricate of 22 Ga. G.I. Sht. Mtl.
⅛ Mesh Hardware Cloth (Removable Thru Door)
7½" Above Floor
Rubber Gasket All Around
Door Provided With Continuous Piano Hinge And 2 Window Latches

For Location See Sht. M-9

DETAIL OF LINT TRAP

SCALE 1" = 1'-0"

DR. WV
CK. JPT
APP. JSB

CONSTRUCTION REVISED JULY 30, 1966

REVISIONS

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT — MIDLAND, MICHIGAN
ROBERT J. DAVIS — STRUCTURAL ENGINEER — DETROIT, MICHIGAN
HYDE & BOBBIO INC. — MECHANICAL ENGINEER — DETROIT, MICHIGAN
D.C. OSTERHELD — FOOD SERVICE CONSULTANT — MADISON, WISCONSIN

UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

PIPING DIAGRAMS AND DETAILS
SCALE: AS NOTED
DATE: 6 MAY 1966

M
32

AUTOMATIC TEMPERATURE CONTROLS
DESCRIPTION OF OPERATION

AC-1 & 2

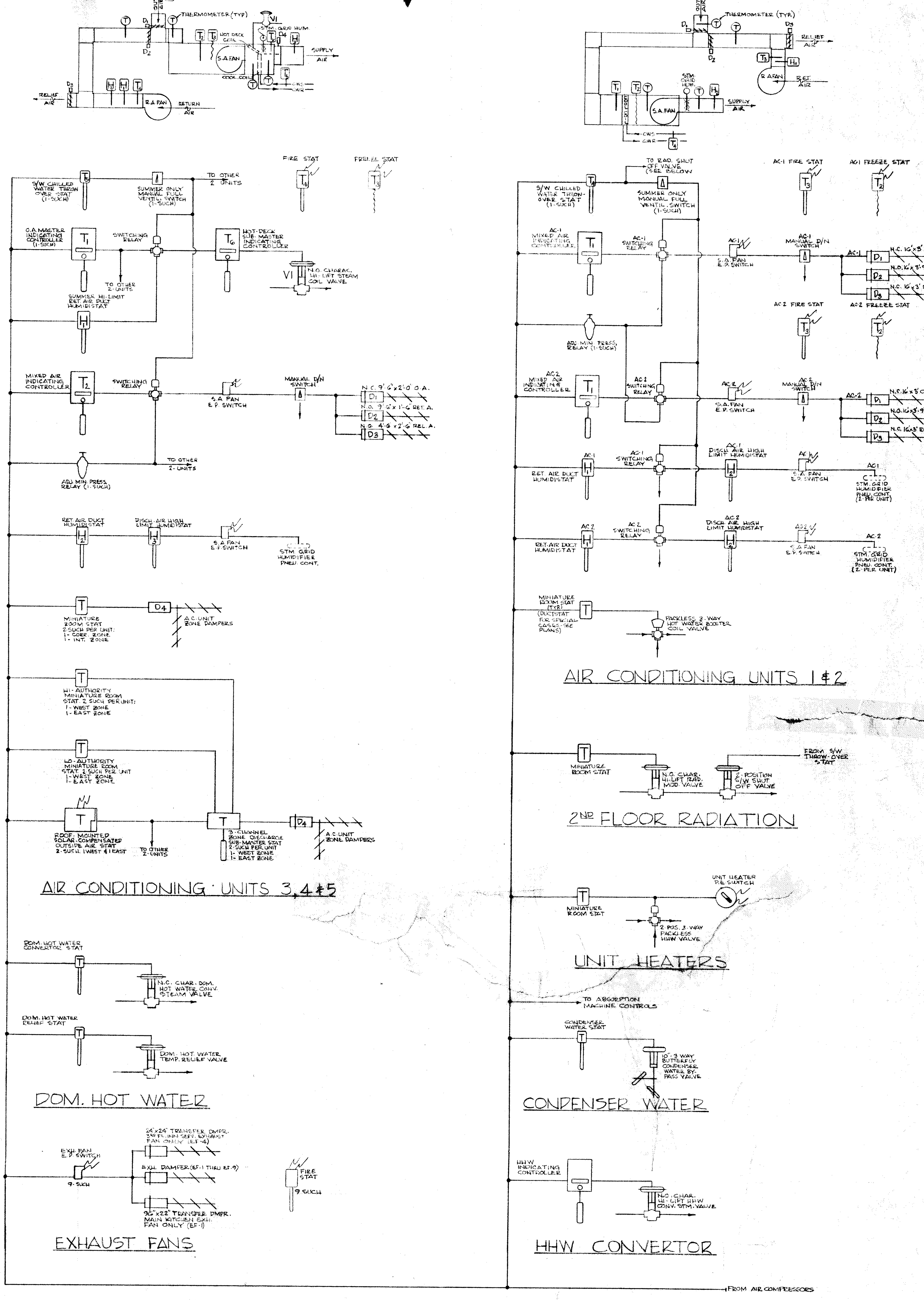
1. During winter operation the Mixed Air Stat T 1, set at 50 degree F, positions the outside, return and relief dampers to maintian its setting.
2. The chilled water stat T 4, set at 50 degree F, positions the outside, return and relief dampers of both units to the minimum outside air position when chilled water is available.
3. Space humididty is maintained by the return air humidistat H1 actuating the steam grid humidifiers at the discharge of the fan thru the Hi-limit discharge humidistat H 2.
4. Space temperatures are maintained by individual room stats modulating 3-way hot water mixing valves to zone booster coils.
5. The summer only ventilation switch provides the ability to manually set the units on 100% outside air at any time while the system is on summer operation.
6. The manual day/nite switch allows the ability to run the units on 100% return air during unoccupied periods.
7. The fire stat T 3 shuts the system down on high return air temperature.
8. The freeze stat T 2 shuts the sytem down at 35 degree mixed air temperature.
9. The steam gird humidifiers are prevented from operating when the systems are shut down.
10. The supply and return air fans are electrically interlocked.
11. The chilled water flow thru the cooling coils is uncontrolled.

AC-3,4 and 5

1. During winter operation the mixed air stat T 2, set at 50 degree F, positions the outside, return and relief dampers to maintain its setting.
2. The chilled water stat T 5, set at 50 degree F, positions the outside, return and relief air dampers of all three units to the minimum outside air position when chilled water is available.
3. The outside Air Master Stat resets the hot deck temperature thru the hot deck submaster stat according to the following schedule.

O.A.	Hot Deck
-10°	125°
60°	90°

4. Space humidity is maintained by the return air humidistat H 2 actuating the steam gird humidifiers at the hot deck thru the Hi limit discharge humidistat H 3. The return air Hi-limit humidistat H 1 functions during summer operation to elevate the hot deck temperature when return air humidity is excessively high causing proportionately more dehumidified air from the cold deck to be used.
5. The interior and corridor zone space temperatures of each unit are maintained by their respective room thermostats modulating the hot and cold deck zone dampers.
6. Two solar-compensated outside air stats (1 east & 1 west) maintain the east and west zone temperature for all three units subject to override by space conditions as described below.
7. The east and the west zone dampers of each unit are controlled by a submaster discharge thermostat which resets the zone temperature on signal from the respective solar compensated outside air stat. High and low authority room stats in each zone can override the outside air stat if the space conditions exceed their limits. The Hi-authority zone stats lower the zone discharge temperature when space temperatures exceed 82 degree F. The low-authority zone stats raise the zone discharge temperature when the space temperatures fall below 68 degree F.
8. Fine control of the individual rooms in the east and west zones is achieved by electric baseboard radiation and thermostats provided and installed by the Electrical Contractor.
9. The summer only ventilation switch prvides the ability to manually set all three units simultaneously on 100% outside air at any time while the systems are on summer operation.
10. The manual day/nite switch on each unit allows the ability to run any unit on 100% return air during unoccupied periods.
11. The fire stats T 4 shuts the system down on high return air temperature.
12. The freeze stat T 3 shuts the system down at 35 degree mixed air temperature.
13. The system giro humidifers are prevented from operating when the systems are shut down.
14. The supply and return air fans of the respective systems are electrically interlocked.
15. The chilled water flow thru the cooling coils is uncontrolled.


OUT AIR
THERMOMETER (TYP)
D1
D2
D3
D4
T1
T2
T3
T4
T5
T6
H1
H2
H3
VI
HOT DECK COIL
STM. GRID HUM.
S.A. FAN
COOL. COIL
CWS
CWR
SUPPLY AIR
RELIEF AIR
R.A. FAN
RETURN AIR
FIRE STAT
FREEZE STAT
S/W CHILLED WATER THROW OVER STAT (1-SUCH)
SUMMER ONLY MANUAL FULL VENTIL. SWITCH (1-SUCH)
TO OTHER 2 UNITS
O.A. MASTER INDICATING CONTROLLER (1-SUCH)
SWITCHING RELAY
TO OTHER 2-UNITS
HOT-DECK SUB-MASTER INDICATING CONTROLLER
N.O. CHARAC. HI-LIFT STEAM COIL VALVE
SUMMER HI-LIMIT RET. AIR DUCT HUMIDISTAT
MIXED AIR INDICATING CONTROLLER
S.A. FAN E.P. SWITCH
MANUAL D/N SWITCH
N.C. 9'-6"x2'-0" O.A.
N.O. 9'-6"x1'-6" RET. A.
N.O. 4'-6"x2'-6" REL. A.
ADJ. MIN. PRESS. RELAY (1-SUCH)
RET. AIR DUCT HUMIDISTAT
DISCH. AIR HIGH LIMIT HUMIDISTAT
STM. GRID HUMIDIFIER PNEU. CONT.
MINIATURE ROOM STAT 2-SUCH PER UNIT: 1- CORR. ZONE 1- INT. ZONE
A.C. UNIT ZONE DAMPERS
HI-AUTHORITY MINIATURE ROOM STAT. 2 SUCH PER UNIT: 1- WEST ZONE 1- EAST ZONE
LO-AUTHORITY MINIATURE ROOM STAT. 2 SUCH PER UNIT 1- WEST ZONE 1- EAST ZONE
ROOF- MOUNTED SOLAR-COMPENSATED OUTSIDE AIR STAT 2-SUCH. 1 WEST & 1 EAST
3-CHANNEL ZONE DISCHARGE SUB-MASTER STAT 2-SUCH PER UNIT 1- WEST ZONE 1- EAST ZONE
AIR CONDITIONING UNITS 3,4 & 5
TO RAD. SHUT OFF VALVE (SEE BELOW
AC-1 FIRE STAT
AC-1 FREEZE STAT
AC-2 FIRE STAT
AC-2 FREEZE STAT
AC-1 MIXED AIR INDICATING CONTROLLER
AC-1 SWITCHING RELAY
AC-1
AC-1 MANUAL D/N SWITCH
N.C. 16'x3' O.A.
N.O. 16'x3'-9" R.A.
N.C. 16'x3' REL. A.
AC-2 MIXED AIR INDICATING CONTROLLER
AC-2 SWITCHING RELAY
AC-2
AC-2 MANUAL D/N SWITCH
AC-1 DISCH. AIR HIGH LIMIT HUMIDISTAT
AC-2 DISCH. AIR HIGH LIMIT HUMIDISTAT
STM. GRID HUMIDIFIER PNEU. CONT. (2-PER UNIT)
MINIATURE ROOM STAT (TYP.) (DUCTSTAT FOR SPECIAL CASES-SEE PLANS)
PACKLESS 3-WAY HOT WATER BOOSTER COIL VALVE
AIR CONDITIONING UNITS 1 & 2
MINIATURE ROOM STAT
N.O. CHAR. HI-LIFT RAD. MOD. VALVE
2-POSITION S/W SHUT OFF VALVE
FROM S/W THROW-OVER STAT
2ND FLOOR RADIATION
UNIT HEATER P.E. SWITCH
2-POS. 3-WAY PACKLESS HHW VALVE
UNIT HEATERS
TO ABSORPTION MACHINE CONTROLS
CONDENSER WATER STAT
10"-3 WAY BUTTERFLY CONDENSER WATER BY-PASS VALVE
CONDENSER WATER
HHW INDICATING CONTROLLER
N.O. CHAR. HI-LIFT HHW CONV. STM. VALVE
HHW CONVERTOR
DOM. HOT WATER CONVERTOR STAT
N.C. CHAR. DOM. HOT WATER CONV. STEAM VALVE
DOM. HOT WATER RELIEF STAT
DOM. HOT WATER TEMP. RELIEF VALVE
DOM. HOT WATER
EXH. FAN E.P. SWITCH
9-SUCH
24"x24" TRANSFER DMPR. 3RD FL. INN SERV. EXHAUST FAN ONLY (EF-4)
EXH. DAMPER (EF-1 THRU EF-9)
96"x22" TRANSFER DMPR. MAIN KITCHEN EXH. FAN ONLY (EF-1)
FIRE STAT
9 SUCH
EXHAUST FANS
FROM AIR COMPRESSORS

AUTOMATIC TEMPERATURE CONTROLS

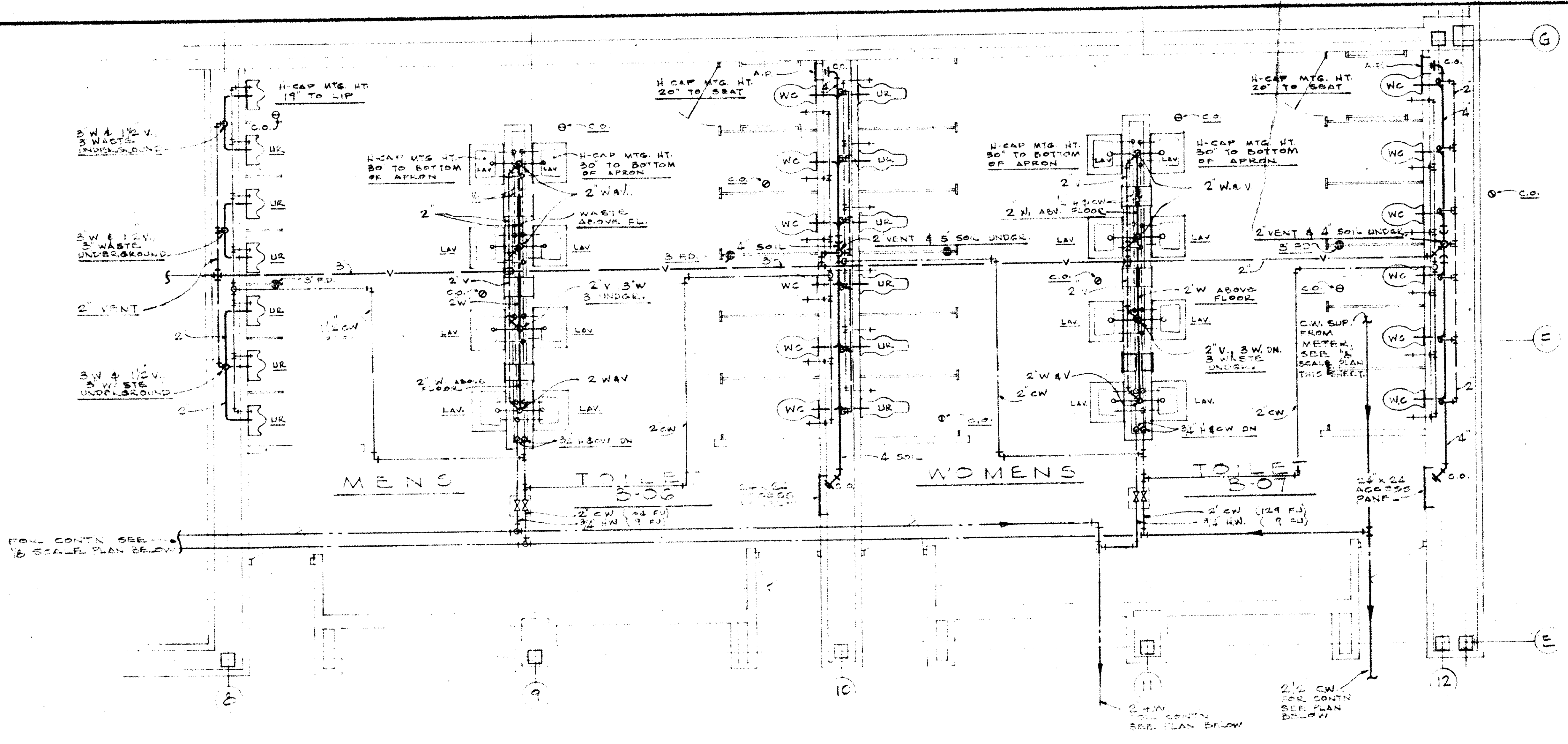
DR JPY
CK JPY
APP JSB
R E V I S I O N S

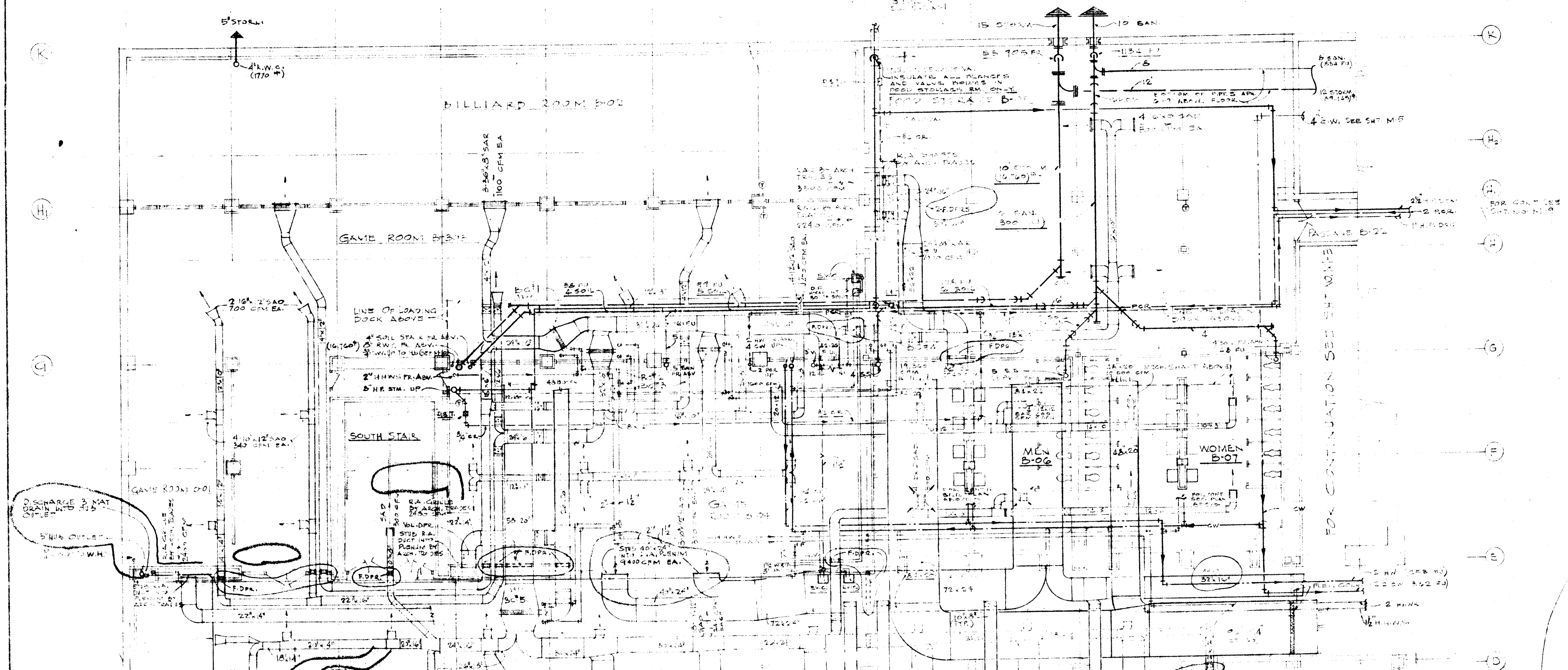
ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT — MIDLAND, MICHIGAN
ROBERT J. DAVIS — STRUCTURAL ENGINEER — DETROIT, MICHIGAN
HYDE & BOBBIO INC. — MECHANICAL ENGINEER — DETROIT, MICHIGAN
D.C. OSTERHELD — FOOD SERVICE CONSULTANT — MADISON, WISCONSIN

UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

CONTROL DIAGRAMS
SCALE: NONE DATE: 6 MAY 1966

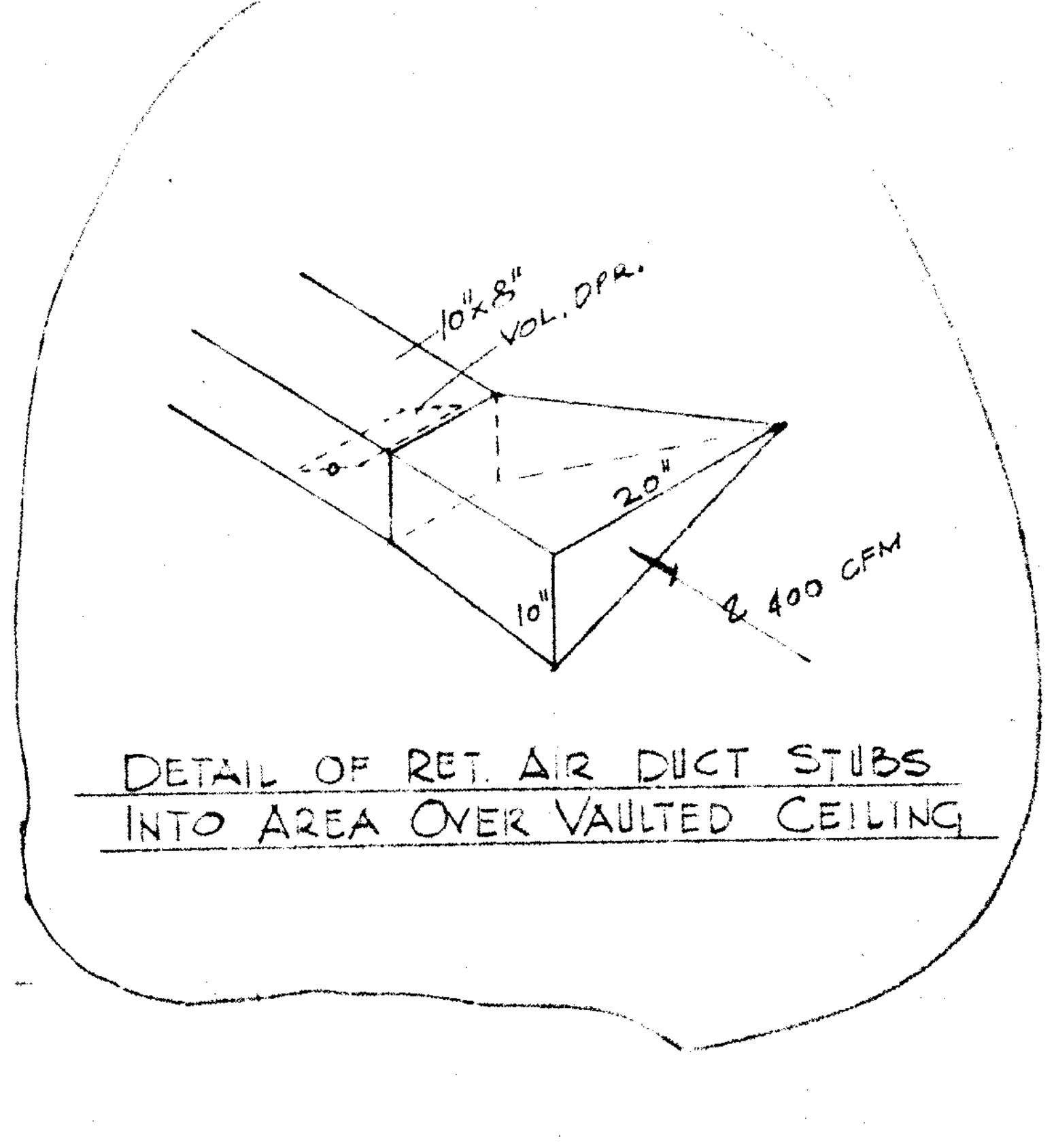
M 33


MENS TOILET B-06
WOMENS TOILET B-07
H-CAP MTG. HT. 19" TO LIP
H-CAP MTG. HT. 20" TO SEAT
H-CAP MTG. HT. 30" TO BOTTOM OF APRON
WC
UR
LAV
C.O.
2" VENT
2" VENT & 4" SOIL UNDER
2" W A.V.
WASTE ABOVE FL.
ACCESS PANEL
SOIL CONT'N SEE 1/8 SCALE PLAN BELOW
G
F
E
8
9
10
11
12


5" STORM
BILLIARD ROOM B-02
GAME ROOM B-01
SOUTH STAIR
LINE OF LOADING DOCK ABOVE
MEN B-06
WOMEN B-07
FOOD STORAGE B-
GRILLE B-09
FOR CONTINUATION SEE SHT M-5
15 STORM
12 SAN.
INSULATE ALL FLANGES AND VALVE BODIES IN FOOD STORAGE RM. ONLY
4" x 20" R.A. CONN'S. STUBBED INTO R.A. PLENUM OVER CEIL. PROV. 28 VOL. DPR'S. 400 CFM EA. SEE DETAIL THIS SHT.
DISCHARGE 3 MAT. DRAIN INTO 1/2 OPEN
K
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
12A

BASEMENT PLAN - SOUTH

SCALE 1/8"=1'-0"


10" x 8" VOL. DPR.
20"
10"
2 400 CFM

DETAIL OF RET. AIR DUCT STUBS INTO AREA OVER VAULTED CEILING

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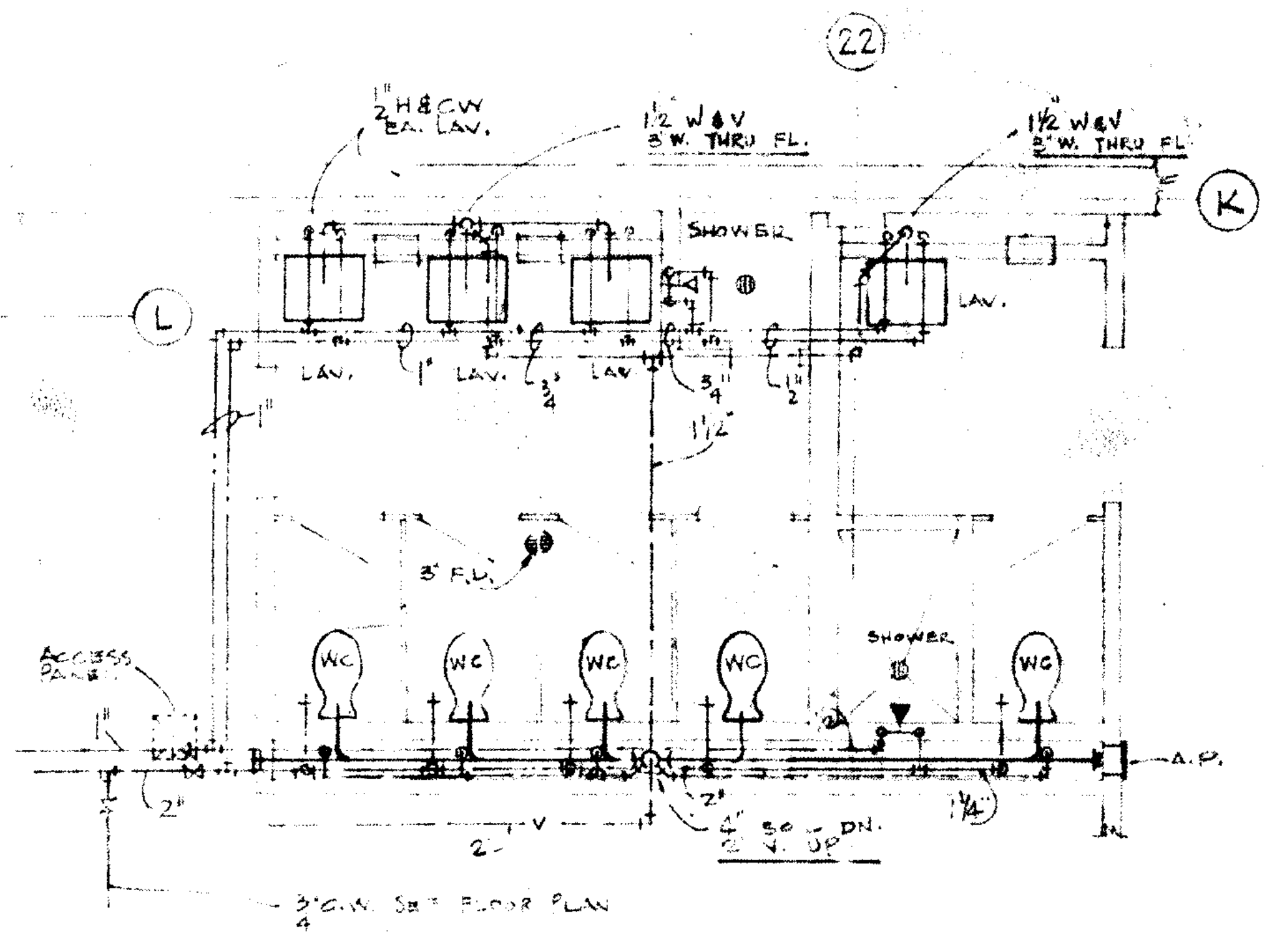
D.C. OSTERHELD — FOOD SERVICE CONSULTANT — MADISON, WISCONSIN

CONSTRUCTION BULL. NO. 30 REVISED 12-30-1960 JULY 30 1962
REVISIONS
DR. CK. APP.

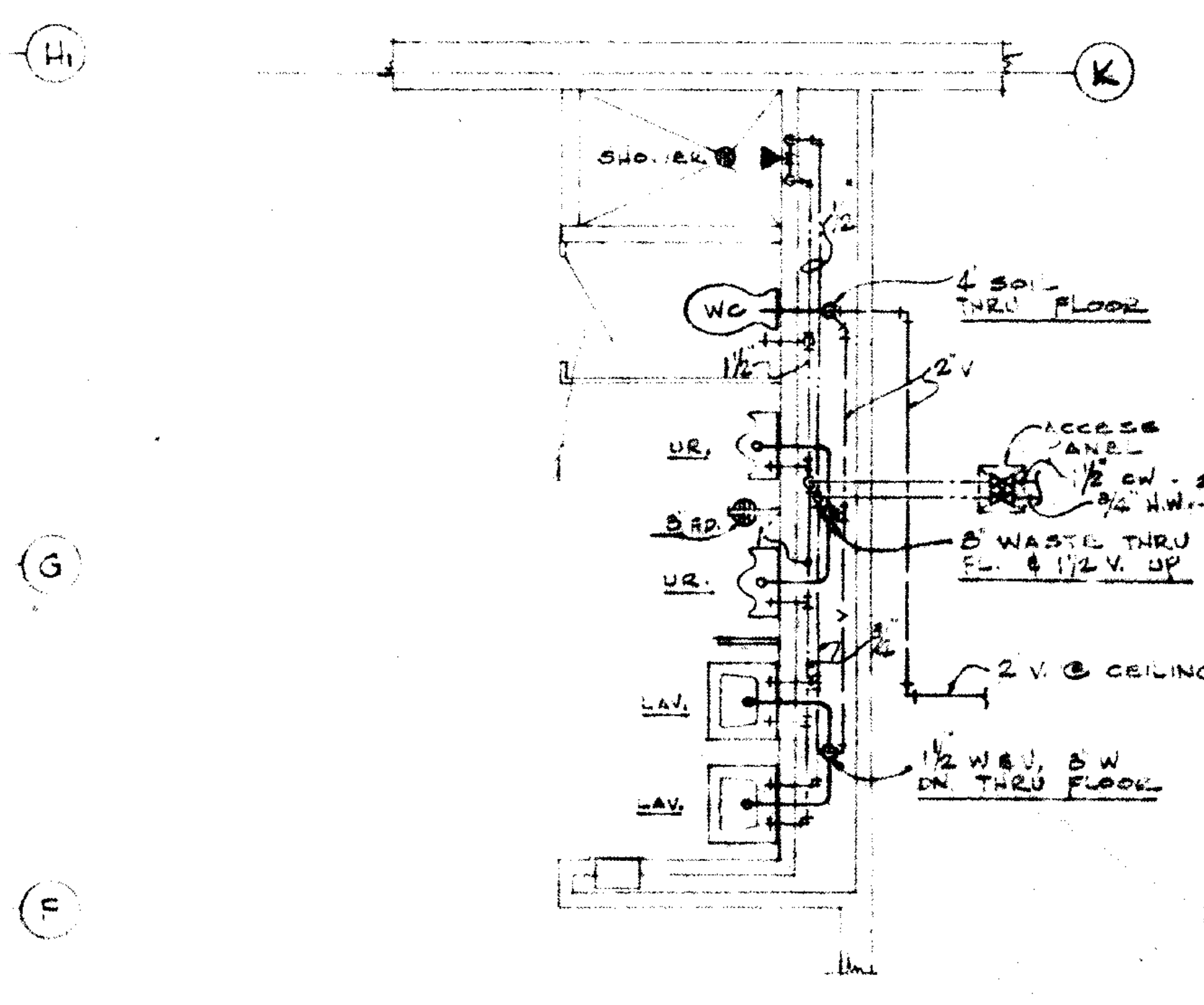
UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

BASEMENT PLAN (SOUTH)
SCALE: 1/8"=1'-0" DATE: 6 MAY 1960

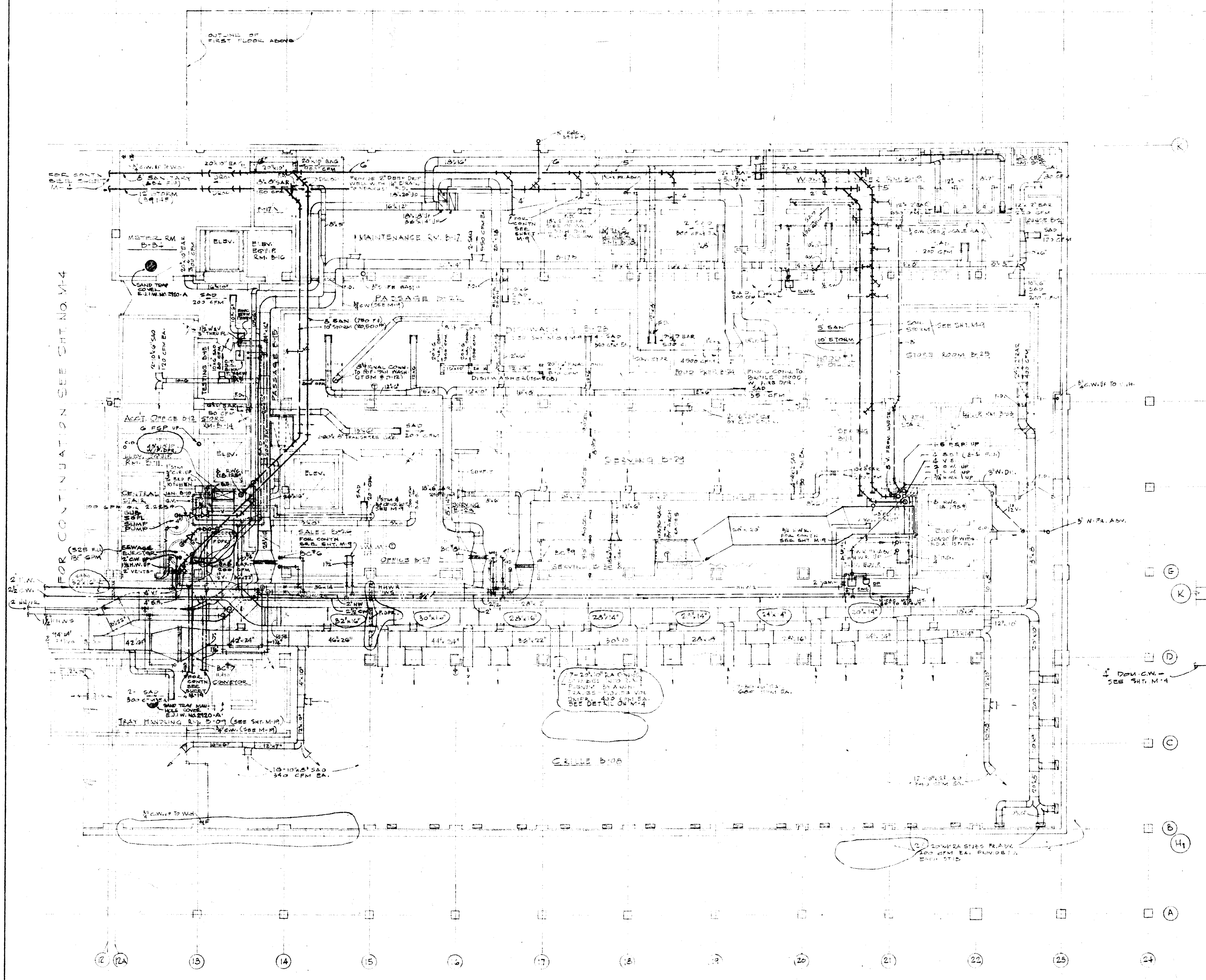
M 4



(22)
(K)
(L)
SHOWER
LAV.
W.C.
A.P.



(H1)
(K)
(G)
(F)
4" SOIL THRU FLOOR
W.C.
UR.
LAV.
ACCESS PANEL
2 V. @ CEILING

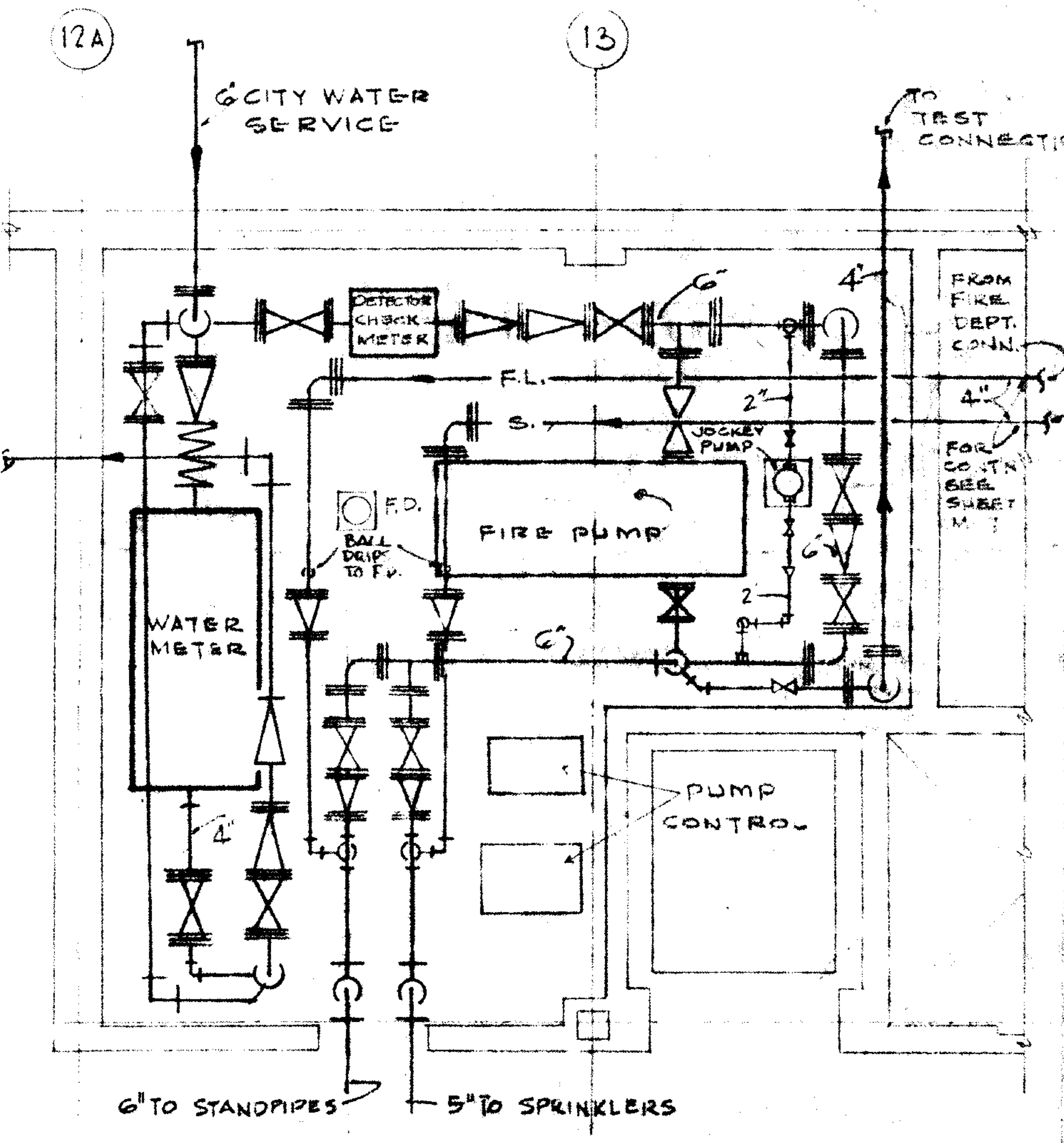


OUTLINE OF FIRST FLOOR ABOVE
FOR CONTINUATION SEE SHT. NO. M-4
MOTOR RM B-31
ELEV.
MAINTENANCE SH. B-17
PASSAGE B-16
PASSAGE B-15
DISHWASH B-28
STORE ROOM B-29
SERVING B-29
ACCT. OFFICE B-12
STORE RM. B-14
TESTING B-13
CENTRAL STAIR
SEWAGE EJECTOR
SUMP PUMP
SALES B-6
OFFICE B-7
TRAY HANDLING B-8, B-09
GRILLE B-08
(K)
(H1)
(G)
(F)
(E)
(D)
(C)
(B)
(A)
(12)
(12A)
(13)
(14)
(15)
(16)
(17)
(18)
(19)
(20)
(21)
(22)
(23)
(24)

BASEMENT PLAN - NORTH

SCALE 1/8"=1'-0"

NORTH



(12A)
(13)
6" CITY WATER SERVICE
TO TEST CONNECTION
(K)
DETECTOR CHECK METER
FROM FIRE DEPT. CONN.
4" DOM. C.W. - SEE SHT. M-4
FIRE PUMP
JOCKEY PUMP
WATER METER
BALL DRIP TO F.V.
PUMP CONTROL
FOR CONTN SEE SHEET M-
6" TO STANDPIPES
5" TO SPRINKLERS

LAYOUT OF PUMP ROOM

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

CONSTRUCTION ISSUED JULY 30, 1966
BULL. 30 JUL 30, 1966

REVISIONS

DR. JBS
CK. JBY
APP. [illegible]

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT MIDLAND, MICHIGAN
ROBERT J. DAVIS STRUCTURAL ENGINEER DETROIT, MICHIGAN
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D.C. OSTERHELD FOOD SERVICE CONSULTANT MADISON, WISCONSIN

UNIVERSITY CENTER BUILDING
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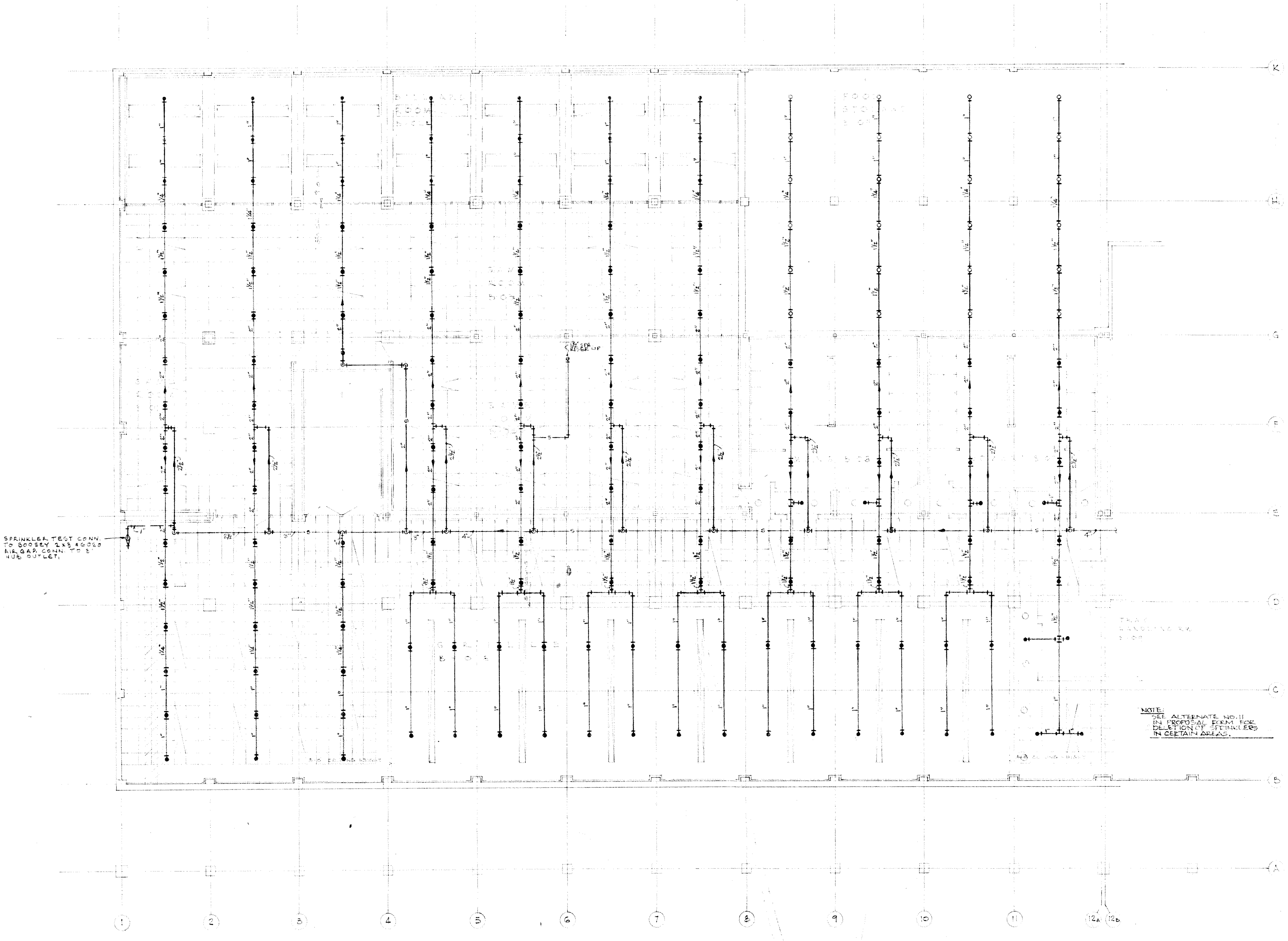
DETROIT, MICHIGAN

BASEMENT PLAN (NORTH)
SCALE: 1/8"=1'-0" DATE: 6 MAY 1966

5



SPRINKLER TEST CONN.
TO BOOSEY 2x3 #6020
AIR GAP CONN. TO 3"
HUB OUTLET.

NOTE:
SEE ALTERNATE NO. 11
IN PROPOSAL FORM FOR
DELETION OF SPRINKLERS
IN CERTAIN AREAS.

BASEMENT PLAN - (SOUTH)

SCALE 1/8" = 1'-0"

FIRE PROTECTION

DR. JPY
CK. JPY
APP. JGS

REVISIONS

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT MIDLAND, MICHIGAN
ROBERT J. DAVIS STRUCTURAL ENGINEER DETROIT, MICHIGAN
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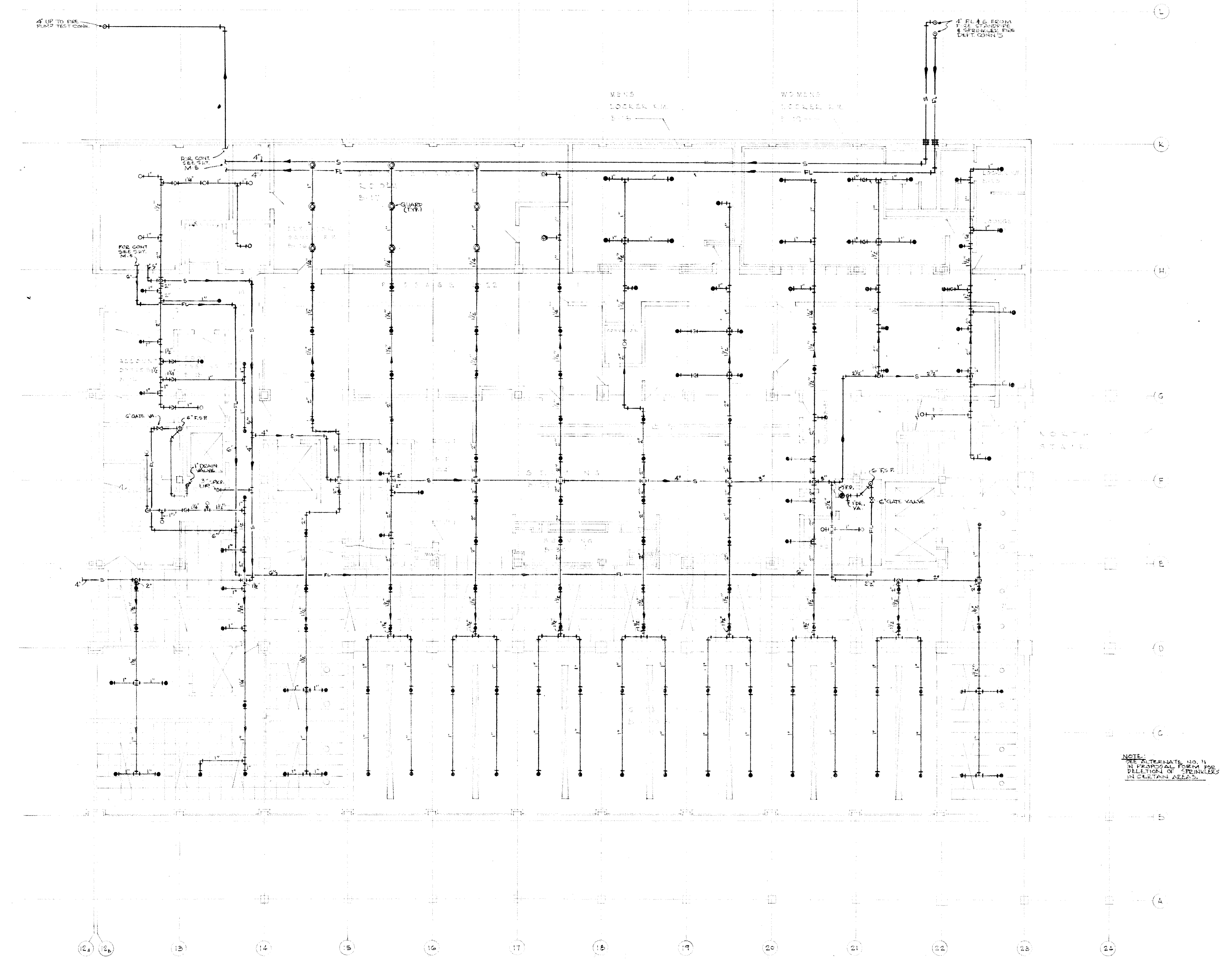
DETROIT MICHIGAN

BASEMENT PLAN (SOUTH)
FIRE PROTECTION
SCALE: 1/8" = 1'-0"
DATE: 6 MAY 1966

M
6


4" UP TO FIRE PUMP TEST CONN.
4" FL & S. FROM FIRE STANDPIPE & SPRINKLER FIRE DEPT. CONN'S
MEN'S LOCKER RM.
WOMEN'S LOCKER RM.
FOR CONT. SEE SHT. M-5
FOR CONT SEE SHT. M-5
GUARD (TYP.)
6" GATE VA.
6" F.S.R.
1" DRAIN VALVE
3" SPKR. UP.
6" F.S.R.
3" F.D.
1" DR. VA.
6" GATE VALVE
S
FL
4"
6"
2"
1"
1¼"
1½"
2½"
3"
L
K
H
G
F
E
D
C
B
A
12a
12b
13
14
15
16
17
18
19
20
21
22
23
24

NOTE:
SEE ALTERNATE NO. 11
IN PROPOSAL FORM FOR
DELETION OF SPRINKLERS
IN CERTAIN AREAS.

BASEMENT FLOOR PLAN - (NORTH)

SCALE 1/8"=1'-0"

FIRE PROTECTION

NORTH

DR. J.P.Y.
CK. J.P.Y.
APP. J.S.D.

R E V I S I O N S

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT — MIDLAND, MICHIGAN
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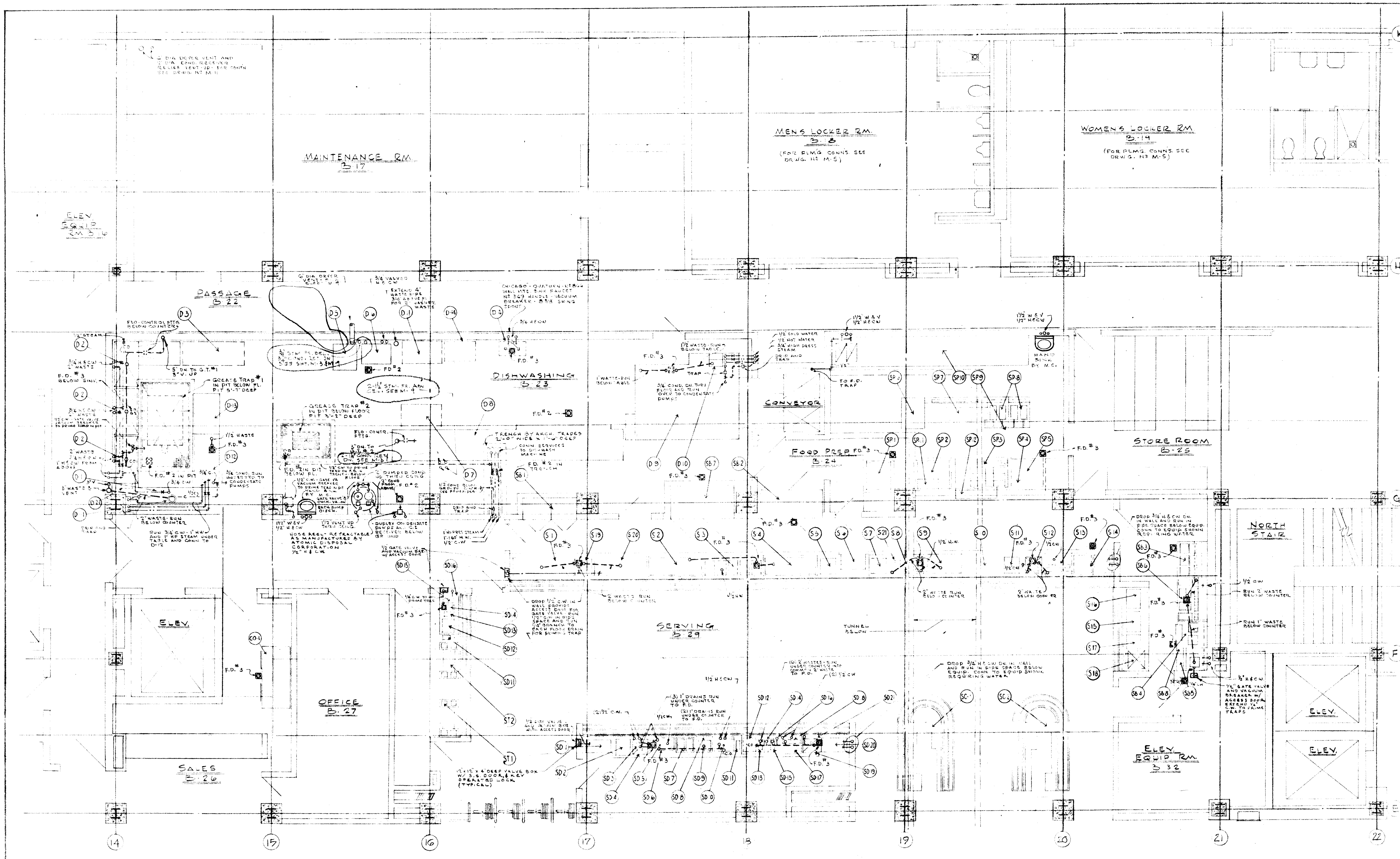
UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

BASEMENT PLAN (NORTH)
FIRE PROTECTION
SCALE: 1/8"=1'-0" DATE: 6 MAY 1966

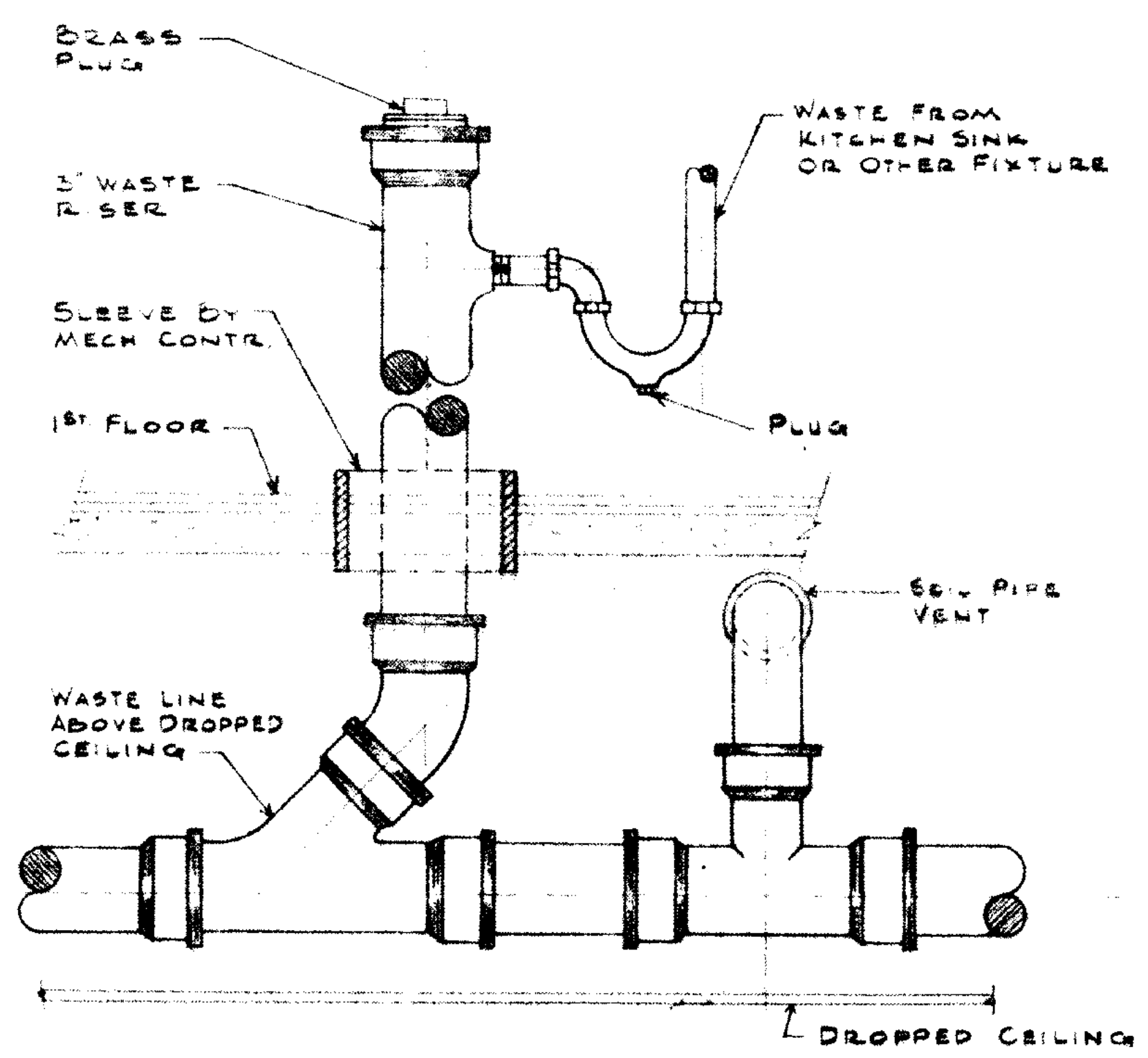
M
7



2" DIA DRYER VENT AND
2" DIA COND. RECEIVER
RELIEF VENT UP FOR CONTN
SEE DRWG. NO M-11
MAINTENANCE RM.
B-17
MENS LOCKER RM.
B-8
(FOR PLMG. CONNS. SEE DRWG. NO M-5)
WOMENS LOCKER RM.
B-14
(FOR PLMG. CONNS. SEE DRWG. NO M-5)
ELEV EQUIP RM B-16
PASSAGE
B-22
6" DIA DRYER VENT - F.R. SEE M-9
3/4 VALVED H & CW
EXTEND 4" WASTE PIPE 3'-0" ABOVE FL. FOR 2" WASHER WASTE
FLO-CONTROL FTTG BELOW COUNTER
1/2" STEAM
3/4 H & CW
2" WASTE
F.D. #3 BELOW SINK
5" DN. TO G.T. #1
3" V. UP
GREASE TRAP #1
IN PIT BELOW FL.
PIT 5'-7" DEEP
1/2" C.W. - GATE VALVE VACUUM BREAKER TO PRIME TRAP IN PIT
1" H & CW FROM ABOVE
3" V
3" WASTE & VENT
1/2 WASTE
F.D. #3
F.D. #2 IN PIT
3/4 C.W.
3/4 COND. RUN UNDERGRD. TO CONDENSATE PUMPS
2" WASTE-RUN BELOW COUNTER
DRIP AND TRAP
RUN 3/4" CW - 1" HW AND 1" HP STEAM UNDER TABLE AND CONN. TO D-12
3/4" STM. FR. BEL.
3/4" COND. RET. DN.
SEE SHT. M-3 & M-9
FD #2
2-1 1/2" STM. FR. ABV CEIL. SEE M-9
GREASE TRAP #2
IN PIT BELOW FLOOR
PIT 3'-2" DEEP
FLO-CONTR. FTTG.
3" DN. TO G.T. #2
2-1 1/4" COND. RET. DN. SEE M-3
F.D. #2 IN PIT BELOW FL.
1/2" CW TO PRIME TRAP ON F.D. IN TRENCH BELOW FLOOR
1/2" C.W. - GATE VA. VACUUM BREAKER TO PRIME TRAP IN PIT
HAND SINK BY M.C.
GATE VALVE & CHCK. VA. ON EACH PUMP DISCH.
2" PUMPED COND. UP THRU CEILG.
2" COND FROM F.D. #2 ABOVE
1 1/2" W & V
1/2" H & CW
1/2 VENT UP THRU CEILG.
HOSE REEL - RETRACTABLE AS MANUFACTURED BY ATOMIC DISPOSAL CORPORATION 1/2" H & C.W.
DUPLEX CONDENSATE PUMPS AND C.I. RECEIVER BELOW GR. UND
1/2 COND. BELOW GRD. FO. CONTN. SEE FOUND. PLA.
DRIP AND TRAP
1" HI-PRES STEAM
1"-140° H.W.
1/2" C.W.
1/2 GATE VALVE AND VACUUM BKR. W/ ACCESS DOOR
1/4" C.W. TO PRIME TRAP
F.D. #3
CHICAGO - QUATURN - NO 864 WALL MTD. SINK FAUCET NO 369 HANDLE - VACUUM BREAKER - 8 3/8 SWING SPOUT
3/4 H & CW
F.D. #3
DISHWASHING
B-23
F.D. #2
TRENCH BY ARCH. TRADES 2'-0" WIDE x 1'-0" DEEP
CONN. SERVICES TO DISHWASH MACHINE
F.D. #2 IN TRENCH
1 1/2" WASTE-RUN BELOW TABLE
1" WASTE-RUN BELOW TABLE
TRAP
3/4 COND. DN. THRU FLOOR AND RUN OVER TO CONDENSATE PUMPS
1/2 COLD WATER
1/2 HOT WATER
3/4 HIGH PRESS STEAM
DRIP AND TRAP
TO F.D. TRAP
CONVEYOR
FOOD PREP
B-24
F.D. #3
1 1/2" W & V
1/2" H & CW
HAND SINK BY M.C.
STORE ROOM
B-25
NORTH STAIR
DROP 1/2" C.W. IN WALL PROVIDE ACCESS DOOR FOR GATE VALVE - RUN 1/2" C.W. IN PIPE SPACE AND RUN 1/4" BRANCH TO EACH FLOOR DRAIN FOR PRIMING TRAP
2 WASTES RUN BELOW COUNTER
1/2 HW
2" WASTE RUN BELOW COUNTER
1/2 H.W.
1/2 CW
2" WASTE BELOW COUNTER
DROP 3/4" H & CW DN. IN WALL AND RUN IN PIPE SPACE BELOW EQUIP. CONN. TO EQUIP. SHOWN REQUIRING WATER
1/2 CW
RUN 2" WASTE BELOW COUNTER
RUN 1" WASTE BELOW COUNTER
1/2" H & C.W.
1/2" GATE VALVE AND VACUUM BREAKER W/ ACCESS DOOR EXTEND 1/4" C.W. TO PRIME TRAPS
SERVING
B-29
TUNNEL BELOW
1/2 H & CW
(6) 2" WASTES - RUN UNDER COUNTER INTO COMMON 2" WASTE TO F.D.
(2) 1/2 CW
(3) 1" DRAINS RUN UNDER COUNTER TO F.D.
(2) 1" DRAINS RUN UNDER COUNTER TO F.D.
(2) 1/2" C.W.
1/2 GATE VALVE AND VACUUM BKR WITH ACCESS DOOR
12" x 12" x 4" DEEP VALVE BOX W/ S.S. DOOR & KEY OPERATED LOCK (TYPICAL)
C.O.
DROP 3/4" H & CW DN. IN WALL AND RUN IN PIPE SPACE BELOW EQUIP. CONN. TO EQUIP. SHOWN REQUIRING WATER
ELEV.
OFFICE
B-27
SALES
B-26
ELEV
EQUIP RM.
B-32
ELEV.
ELEV.
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
D14
D21
SB1
SB2
SB3
SB4
SB5
SB6
SB7
SB8
S1
S2
S3
S4
S5
S6
S7
S8
S9
S10
S11
S12
S13
S14
S15
S16
S17
S18
S19
S20
S21
SP1
SP2
SP3
SP4
SP5
SP6
SP7
SP8
SP9
SP10
SP11
SP12
SC-1
SC-2
SD1
SD2
SD3
SD4
SD5
SD6
SD7
SD8
SD9
SD10
SD11
SD12
SD13
SD14
SD15
SD16
SD17
SD19
SD20
SD21
ST1
ST2
CO-1
14
15
16
17
18
19
20
21
22
K
H
G
F
E

BASEMENT FLOOR KITCHEN PLAN — (PLUMBING)

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



BRASS PLUG
3" WASTE RISER
SLEEVE BY MECH CONTR.
1ST FLOOR
WASTE FROM KITCHEN SINK OR OTHER FIXTURE
PLUG
SOIL PIPE VENT
WASTE LINE ABOVE DROPPED CEILING
DROPPED CEILING

DETAIL OF SPECIAL ISLAND WASTE

NO SCALE

DR. D.R.G.
CK. J.P.V.
APP. J.S.B.

BULLETIN NO. 15 DEC. 6, 1966

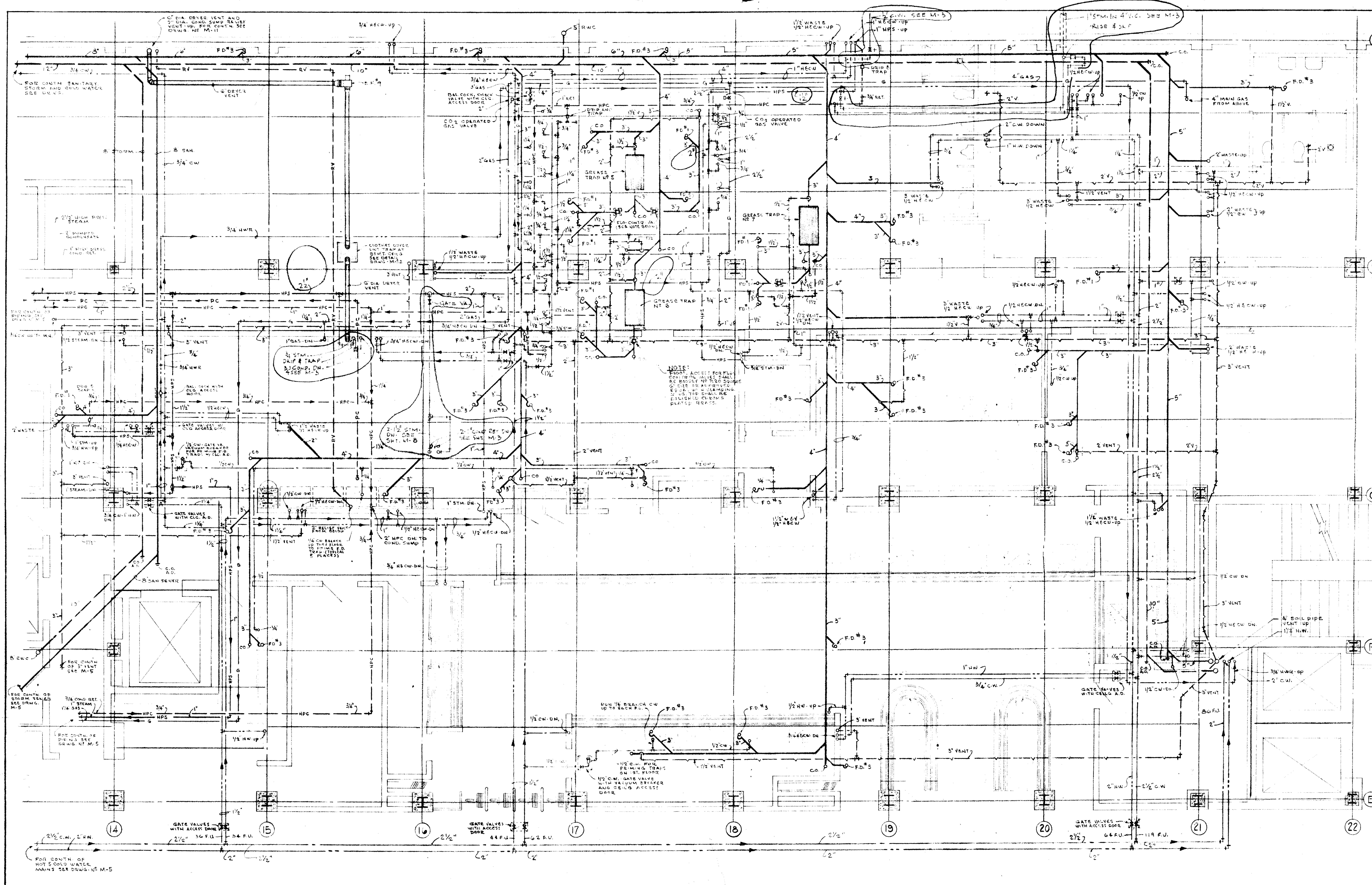
R E V I S I O N S

ALDEN B. DOW ASSOCIATES, INC. — ARCHITECT — MIDLAND, MICHIGAN
ROBERT J. DAVIS — STRUCTURAL ENGINEER — DETROIT, MICHIGAN
HYDE & BOBBIO INC. — MECHANICAL ENGINEER — DETROIT, MICHIGAN
D.C. OSTERHELD — FOOD SERVICE CONSULTANT — MADISON, WISCONSIN

UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

BASEMENT KITCHEN PLAN
AND DETAIL
SCALE: 1/4" = 1'-0"
DATE: 6 MAY 1966

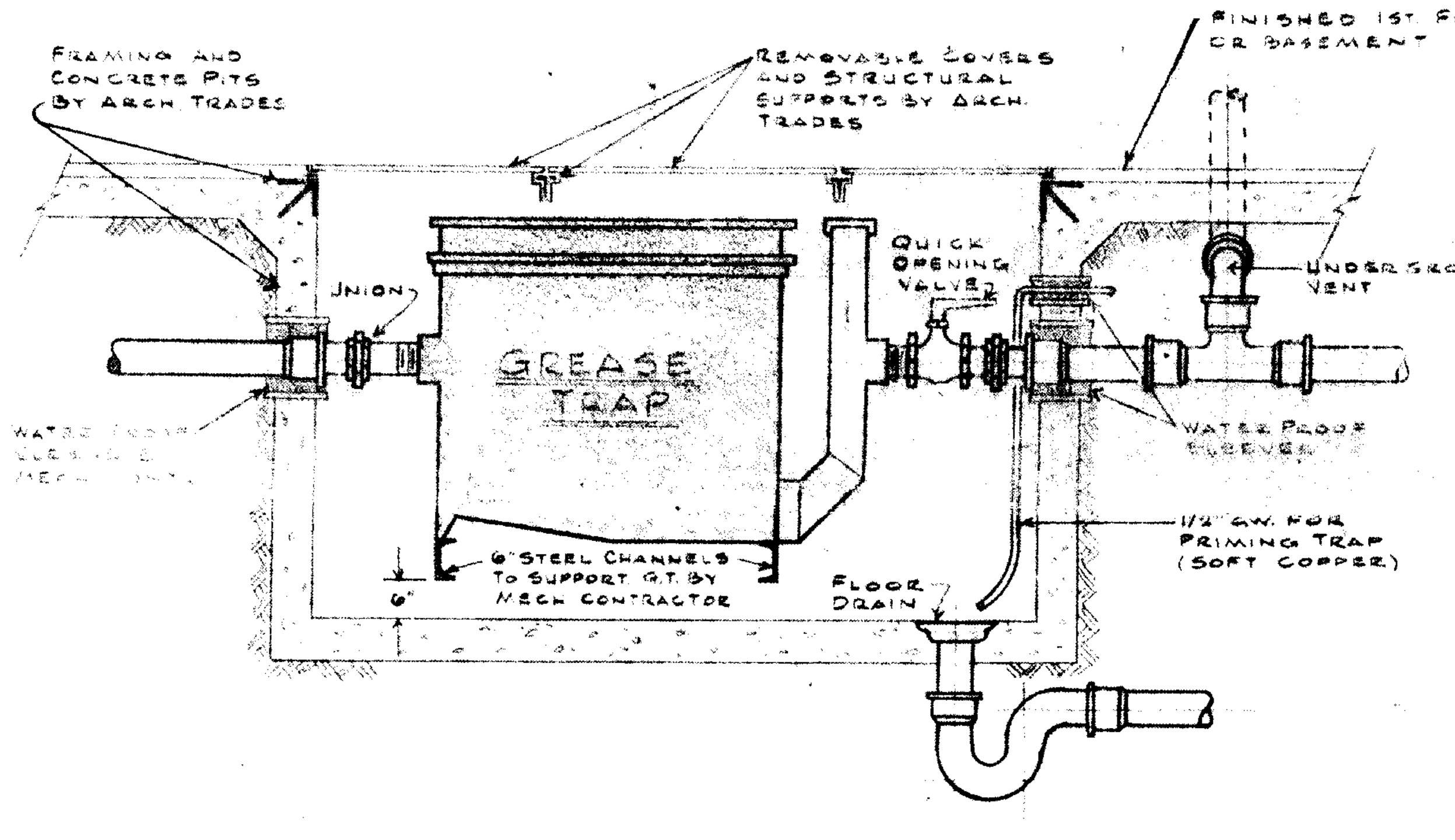
M
8


6" DIA. DRYER VENT AND 2" DIA. COND. SUMP RELIEF VENT-UP, FOR CONTIN. SEE DRWG. Nº M-11
3/4" HECW-UP
5" RWC
F.D. #3
RV
8"
12"
3/4" CW
10"
6" DRYER VENT
FOR CONTN. SANITARY, STORM AND COLD WATER SEE DRWGS.
3/4" HECW
3" GAS
BAL. COCK, CHECK VALVE WITH CLG. ACCESS DOOR
CO2 OPERATED GAS VALVE
DRIP AND TRAP
1" RET
HPC
HPS
G
8" STORM
8" SAN.
2" GAS
GREASE TRAP Nº 5
GREASE TRAP Nº 6
GREASE TRAP Nº 7
FLO-CONTR. VA. (SEE NOTE BELOW)
2 1/2" HIGH PRESS. STEAM
2" PUMPED CONDENSATE
1" HIGH PRESS. COND. RET.
3/4" HWR
CLOTHES DRYER LINT TRAP AT BSMT. CEILG. SEE DETAIL DRWG. M-32
6" DIA. DRYER VENT
1 1/2" WASTE 1/2" HECW-UP
PC
GATE VA.
3/4" STM. DRIP & TRAP
3/4" COND. DN. SEE M-3
1" GAS-DN
3/4" HECW-DN
3" VENT
1/2 STEAM DN
3/4" CW UP TO W.H.
FOR CONTN. OF PIPING SEE DRWG. Nº M-5
2 1/2" STM. DN. SEE SHT. M-8
2" COND. RET. DN. SEE SHT. M-3
2" C.W. SEE M-3
1" HECW-UP
1" HPS-UP
1" STM. IN 4" V.C. SEE M-3 RISE & DRIP
DRIP & TRAP
3/4" RET.
1" HECW
4" GAS
4" MAIN GAS FROM ABOVE
2" C.W. DOWN
1" H.W. DOWN
3 WASTE 1/2 HECW
2" WASTE-UP
2" WASTE 1/2" CW UP
1/2" CW UP
1/2" HECW-UP
1/2 HECW DN.
3/4" STM-DN
1 1/2" VENT
2" VENT
C.O.
NOTE: FLOOR ACCESS FOR FLO-CONTROL VALVES SHALL BE BOOSEY Nº 7120 SQUARE 6" SIZE OR APPROVED EQUAL WITH CLAMPING RING. TOP SHALL BE POLISHED CHROME PLATED BRASS.
1 1/2" W & V 1/2" HECW
8" SAN. SEWER
8" RWC
FOR CONTN. OF 3" VENT SEE M-5
FOR CONTN. OF STORM SEWER SEE DRWG. M-5
GATE VALVES WITH CLG. A.D.
2" HPC DN. TO COND. SUMP
1 1/2" CW DN.
1 1/2" HW-UP
1" STM. DN.
RUN 1/4 BRANCH CW UP TO EACH F.D.
1/2" C.W. FOR PRIMING TRAPS ON 1ST FLOOR
1/2" C.W. GATE VALVE WITH VACUUM BREAKER AND CEILING ACCESS DOOR
1 1/2" VENT
3" VENT
1" HW
3/4" C.W.
4" SOIL PIPE VENT (UP)
1/2" H.W.
GATE VALVES WITH ACCESS DOOR
64 F.U.
119 F.U.
44 F.U.
62 F.U.
34 F.U.
2 1/2" C.W.
2" H.W.
FOR CONTN. OF HOT & COLD WATER MAINS SEE DRWG. Nº M-5
K
H
G
F
E
14
15
16
17
18
19
20
21
22

PLAN OF BASEMENT CEILING SPACE SHOWING PLUMBING LINES SERVING BASEMENT & FIRST FLOOR KITCHENS

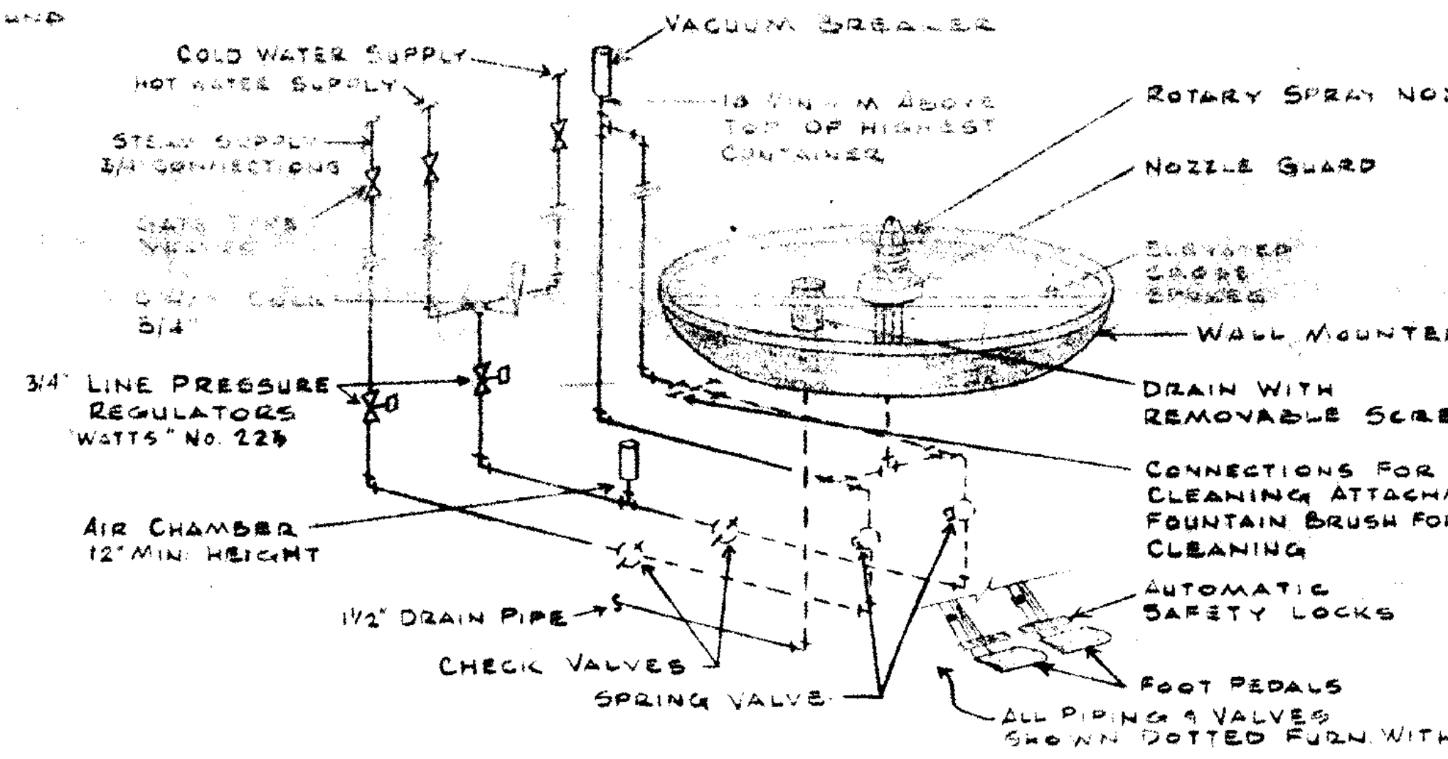
SCALE - 1/4" = 1'-0"

N


FRAMING AND CONCRETE PITS BY ARCH. TRADES
REMOVABLE COVERS AND STRUCTURAL SUPPORTS BY ARCH. TRADES
FINISHED 1ST FLOOR OR BASEMENT
UNION
GREASE TRAP
QUICK OPENING VALVE
UNDERGROUND VENT
WATER PROOF SLEEVES
WATER PROOF SLEEVES BY MECH. CONTR.
6" STEEL CHANNELS TO SUPPORT G.T. BY MECH. CONTRACTOR
6"
FLOOR DRAIN
1/2" C.W. FOR PRIMING TRAP (SOFT COPPER)

GREASE TRAP NO. 1 (G.T. #2-3 & 4 SIMILAR)

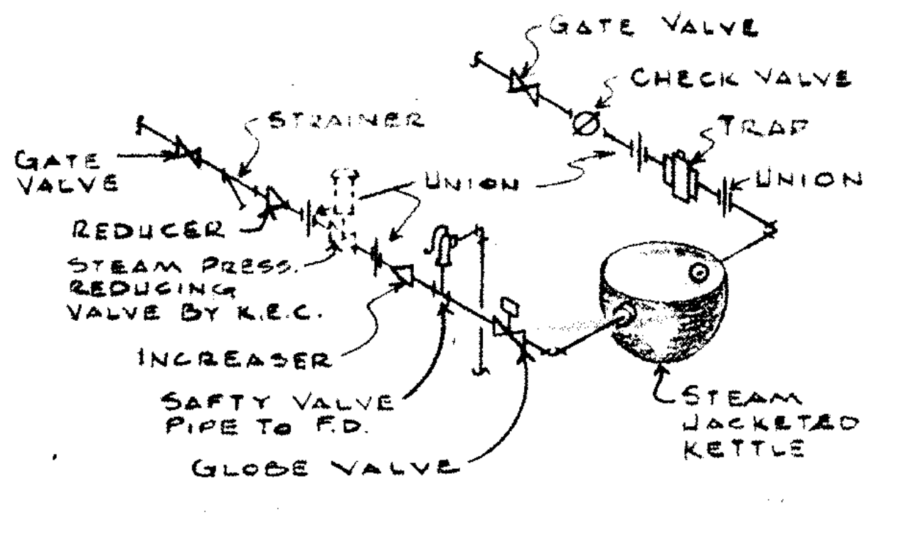
NO SCALE


VACUUM BREAKER
COLD WATER SUPPLY
HOT WATER SUPPLY
STEAM SUPPLY 3/4" CONNECTIONS
GATE TYPE VALVES
3/4"
18" MINIMUM ABOVE TOP OF HIGHEST CONTAINER
ROTARY SPRAY NOZZLE
NOZZLE GUARD
ELEVATED CROSS SPOKES
WALL MOUNTED
DRAIN WITH REMOVABLE SCREEN
CONNECTIONS FOR FAUCET CLEANING ATTACHMENT AND FOUNTAIN BRUSH FOR EXTERNAL CLEANING
3/4" LINE PRESSURE REGULATORS "WATTS" NO. 223
AIR CHAMBER 12" MIN. HEIGHT
1 1/2" DRAIN PIPE
CHECK VALVES
SPRING VALVE
AUTOMATIC SAFETY LOCKS
FOOT PEDALS
ALL PIPING & VALVES SHOWN DOTTED FURN. WITH UNIT.

SCHEMATIC DIAGRAM OF PIPING CONN'S TO "AER-VOID" CAN WASHER

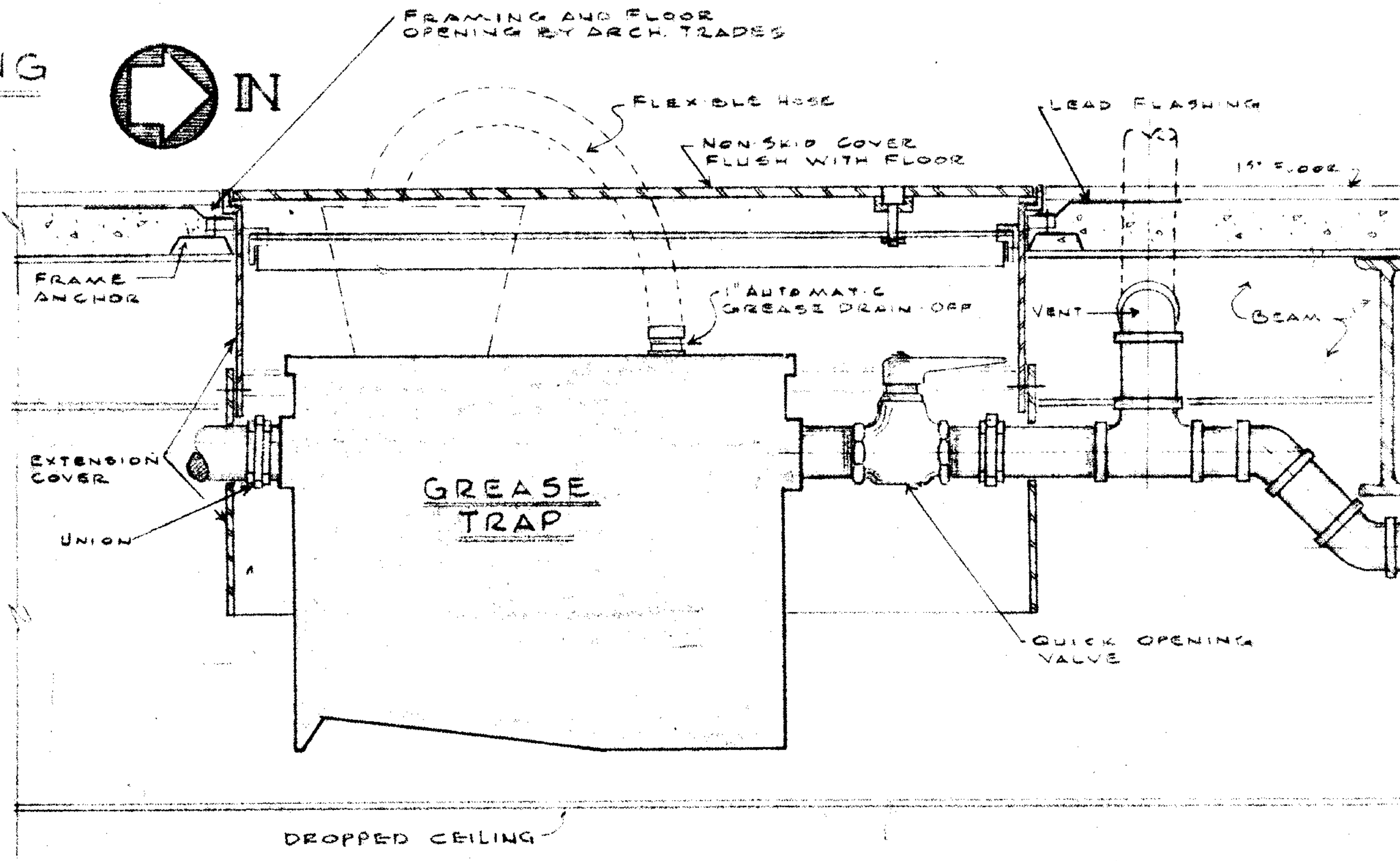
(ITEM Nº K-12)

NO SCALE


GATE VALVE
CHECK VALVE
STRAINER
TRAP
UNION
UNION
GATE VALVE
REDUCER
STEAM PRESS. REDUCING VALVE BY K.E.C.
INCREASER
SAFTY VALVE PIPE TO F.D.
GLOBE VALVE
STEAM JACKETED KETTLE

SCHEMATIC DIAGRAW SHOWING TYPICAL STEAM & CONDENSATE PIPING CONN'S TO STEAM JACKETED KETTLE

(OTHER EQUIP. SIMILAR)


FRAMING AND FLOOR OPENING BY ARCH. TRADES
FLEXIBLE HOSE
NON-SKID COVER FLUSH WITH FLOOR
LEAD FLASHING
1ST FLOOR
FRAME ANCHOR
1" AUTOMATIC GREASE DRAIN-OFF
VENT
BEAM
EXTENSION COVER
UNION
GREASE TRAP
QUICK OPENING VALVE
DROPPED CEILING

GREASE TRAPS #5-6 & 7 FOR 1ST FLOOR KITCHEN

NO SCALE

DR.	D.R.C.
CK.	J.P.Y.
APP.	J.S.B.

BULLETIN NO. 23 DEC. 6. 66

REVISIONS

ALDEN B. DOW ASSOCIATES, INC. - ARCHITECT — MIDLAND, MICHIGAN
ROBERT J. DAVIS — STRUCTURAL ENGINEER — DETROIT, MICHIGAN
HYDE & BOBBIO INC. — MECHANICAL ENGINEER — DETROIT, MICHIGAN
D.C. OSTERHELD — FOOD SERVICE CONSULTANT — MADISON, WISCONSIN

UNIVERSITY CENTER BUILDING
WAYNE STATE UNIVERSITY
DETROIT MICHIGAN

BASEMENT CEILING KITCHEN PLAN AND DETAILS
SCALE: 1/4" = 1'-0"
DATE: 6 MAY 1966

M 9