



NATIONAL TRANSPORTATION SAFETY BOARD
Investigative Hearing

Washington Metropolitan Area Transit Authority Metrorail train 302 that encountered heavy smoke in the tunnel between the L'Enfant Plaza Station and the Potomac River Bridge on January 12, 2015

GROUP	B
EXHIBIT	
2.1	

Agency / Organization

NTSB

Title

Fire Investigation: Fire Alarm Reporting - Summary



January 14, 2015

**Fire Alarm Reporting – Summary
L'Enfant Plaza Station F-03, D-03 Incident
January 12, 2015**

**Compiled by:
CENI – COMM
SMNT - COMM**

L' Enfant Incident Fire Alarms January 12, 2015

ALARMS

Station	Zone	Area	Room & Number	Device Type	Time
F03	Z22	Drainage Pump Station L-1	Drain Pump L-1 Center	Smoke Detector Photoelectric	3:04:54 PM
C05	Z18	Traction Power Lower Level South		Smoke Detector Photoelectric	3:09:11 PM
C05	Z18	Traction Power Lower Level North		Smoke Detector Photoelectric	3:10:55 PM
C05	Z18	Traction Power Upper Level South		Smoke Detector Photoelectric	3:13:35 PM
F03	Z02	SW Platform Service Rooms	AC Service Room S101	Smoke Detector Photoelectric	3:19:19 PM
F03	Z13	SW Platform Service Rooms	DC Tie Breaker Room S103	Smoke Detector Photoelectric	3:20:15 PM
F03	Z02	SW Platform Service Rooms	Battery Room S102	Smoke Detector Photoelectric	3:20:19 PM
F03	Z10	South Platform Escalators	Escalator 10	Smoke Detector Photoelectric	3:22:35 PM
D03	Z07	Mezz To Platform Escalator East	Escalator 4-5-6	Smoke Detector Photoelectric	3:23:13 PM
F03	Z10	South Platform Escalators	Escalator 11	Smoke Detector Photoelectric	3:25:48 PM
D03	Z07	Mezz To Platform Escalator West	Escalator 7-8-9	Smoke Detector Photoelectric	3:28:07 PM
D03	Z07	Mezz To Platform Escalator East	Escalator 7-8-9	Smoke Detector Photoelectric	3:28:11 PM
F03	Z14	NE Platform Service Rooms	DC Tie Breaker Room N107	Smoke Detector Photoelectric	3:28:27 PM
D03	Z01	West Platform Service Rooms	Mechanical Equipment Rm W101	Smoke Detector Photoelectric	3:32:28 PM
F03	Z10	South Platform Escalators	Escalator 13	Smoke Detector Photoelectric	3:33:43 PM
D03	Z07	Mezz To Platform Escalator West	Escalator 4-5-6	Smoke Detector Photoelectric	3:34:15 PM

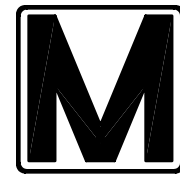
Occurred during incident but appears to be unrelated
 Occurred during incident but appears to be unrelated
 Occurred during incident but appears to be unrelated

RESTORED

Station	Zone	Area	Room & Number	Device Type	Time
C05	Z18	Traction Power Upper Level South		Smoke Detector Photoelectric	3:29:50 PM
C05	Z18	Traction Power Lower Level North		Smoke Detector Photoelectric	3:29:54 PM
C05	Z18	Traction Power Lower Level South		Smoke Detector Photoelectric	3:29:58 PM
D03	Z07	Mezz To Platform Escalator East	Escalator 7-8-9	Smoke Detector Photoelectric	6:30:25 PM
D03	Z07	Mezz To Platform Escalator East	Escalator 4-5-6	Smoke Detector Photoelectric	6:30:29 PM
D03	Z07	Mezz To Platform Escalator West	Escalator 7-8-9	Smoke Detector Photoelectric	6:30:33 PM
D03	Z07	Mezz To Platform Escalator West	Escalator 4-5-6	Smoke Detector Photoelectric	6:30:37 PM
D03	Z01	West Platform Service Rooms	Mechanical Equipment Rm W101	Smoke Detector Photoelectric	6:30:41 PM
F03	Z14	NE Platform Service Rooms	DC Tie Breaker Room N107	Smoke Detector Photoelectric	7:19:25 PM
F03	Z10	South Platform Escalators	Escalator 13	Smoke Detector Photoelectric	7:19:29 PM
F03	Z10	South Platform Escalators	Escalator 10	Smoke Detector Photoelectric	7:19:33 PM
F03	Z10	South Platform Escalators	Escalator 11	Smoke Detector Photoelectric	7:19:37 PM
F03	Z02	SW Platform Service Rooms	Battery Room S102	Smoke Detector Photoelectric	7:19:41 PM
F03	Z02	SW Platform Service Rooms	AC Service Room S101	Smoke Detector Photoelectric	7:19:46 PM
F03	Z13	SW Platform Service Rooms	DC Tie Breaker Room S103	Smoke Detector Photoelectric	7:19:50 PM
F03	Z22	Drainage Pump Station L-1	Drain Pump L-1 Center	Smoke Detector Photoelectric	7:19:54 PM

Occurred during incident but appears to be unrelated
 Occurred during incident but appears to be unrelated
 Occurred during incident but appears to be unrelated

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

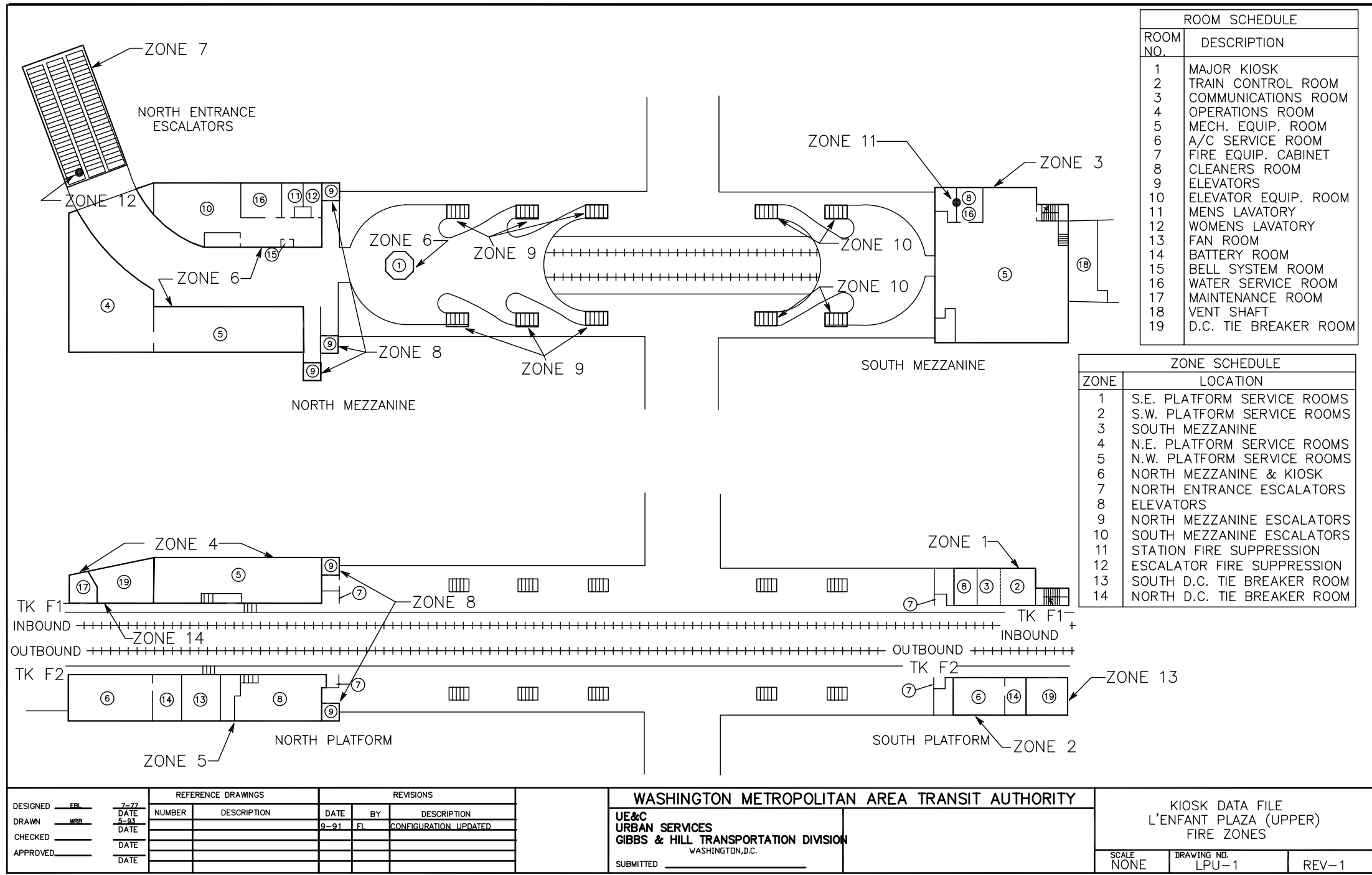


metro

KIOSK DATA FILE

L'ENFANT PLAZA
(UPPER)

F03



ROOM SCHEDULE	
ROOM NO.	DESCRIPTION
1	MAJOR KIOSK
2	TRAIN CONTROL ROOM
3	COMMUNICATIONS ROOM
4	OPERATIONS ROOM
5	MECH. EQUIP. ROOM
6	A/C SERVICE ROOM
7	FIRE EQUIP. CABINET
8	CLEANERS ROOM
9	ELEVATORS
10	ELEVATOR EQUIP. ROOM
11	MENS LAVATORY
12	WOMENS LAVATORY
13	FAN ROOM
14	BATTERY ROOM
15	BELL SYSTEM ROOM
16	WATER SERVICE ROOM
17	MAINTENANCE ROOM
18	VENT SHAFT
19	D.C. TIE BREAKER ROOM

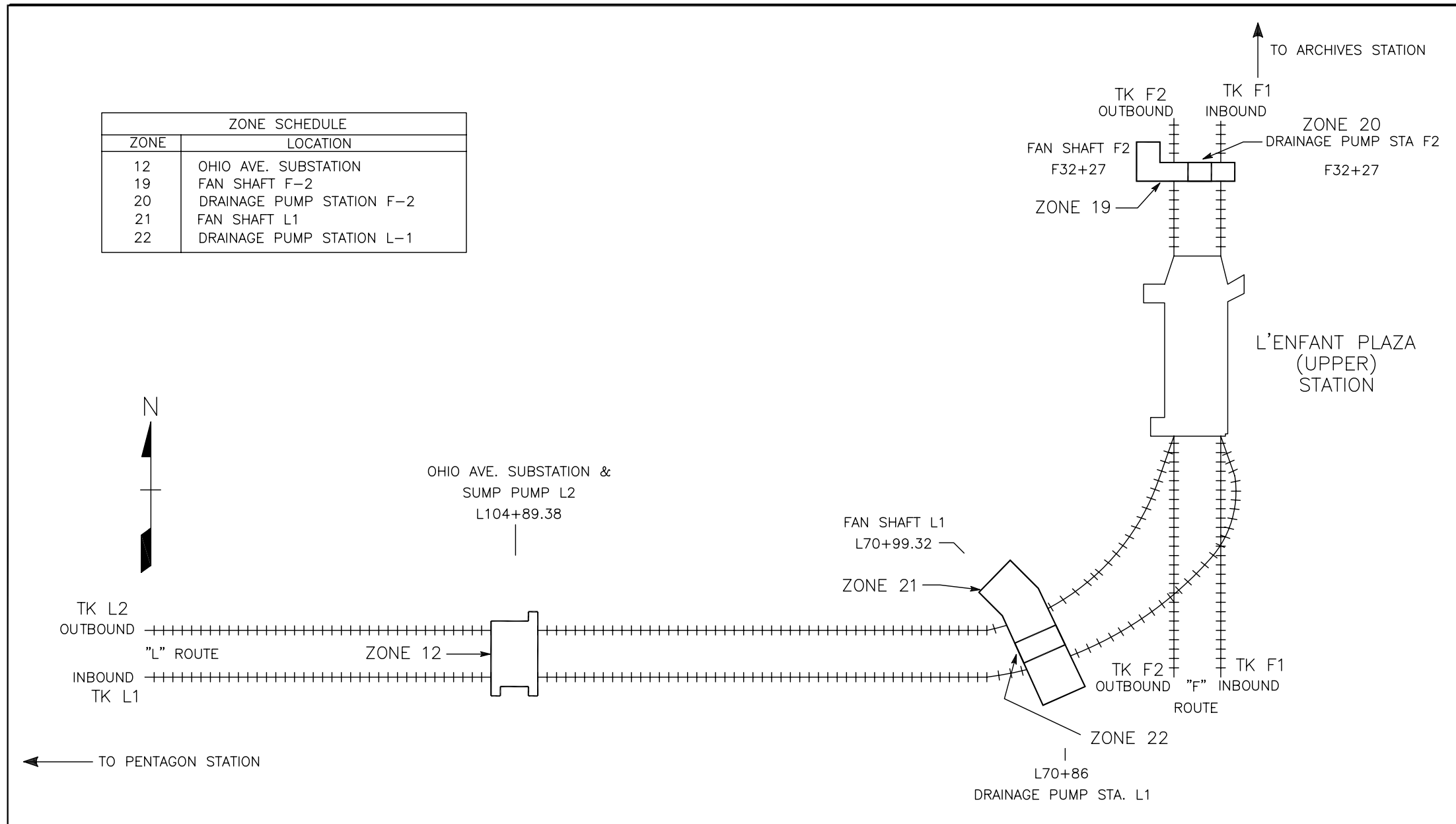
ZONE SCHEDULE	
ZONE	LOCATION
1	S.E. PLATFORM SERVICE ROOMS
2	S.W. PLATFORM SERVICE ROOMS
3	SOUTH MEZZANINE
4	N.E. PLATFORM SERVICE ROOMS
5	N.W. PLATFORM SERVICE ROOMS
6	NORTH MEZZANINE & KIOSK
7	NORTH ENTRANCE ESCALATORS
8	ELEVATORS
9	NORTH MEZZANINE ESCALATORS
10	SOUTH MEZZANINE ESCALATORS
11	STATION FIRE SUPPRESSION
12	ESCALATOR FIRE SUPPRESSION
13	SOUTH D.C. TIE BREAKER ROOM
14	NORTH D.C. TIE BREAKER ROOM

DESIGNED	FBI	DATE	REFERENCE DRAWINGS		REVISIONS		
			NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
DRAWN	WRB	5-93			9-91	FI	CONFIGURATION UPDATED
CHECKED							
APPROVED							

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 UE&C
 URBAN SERVICES
 GIBBS & HILL TRANSPORTATION DIVISION
 WASHINGTON, D.C.
 SUBMITTED _____

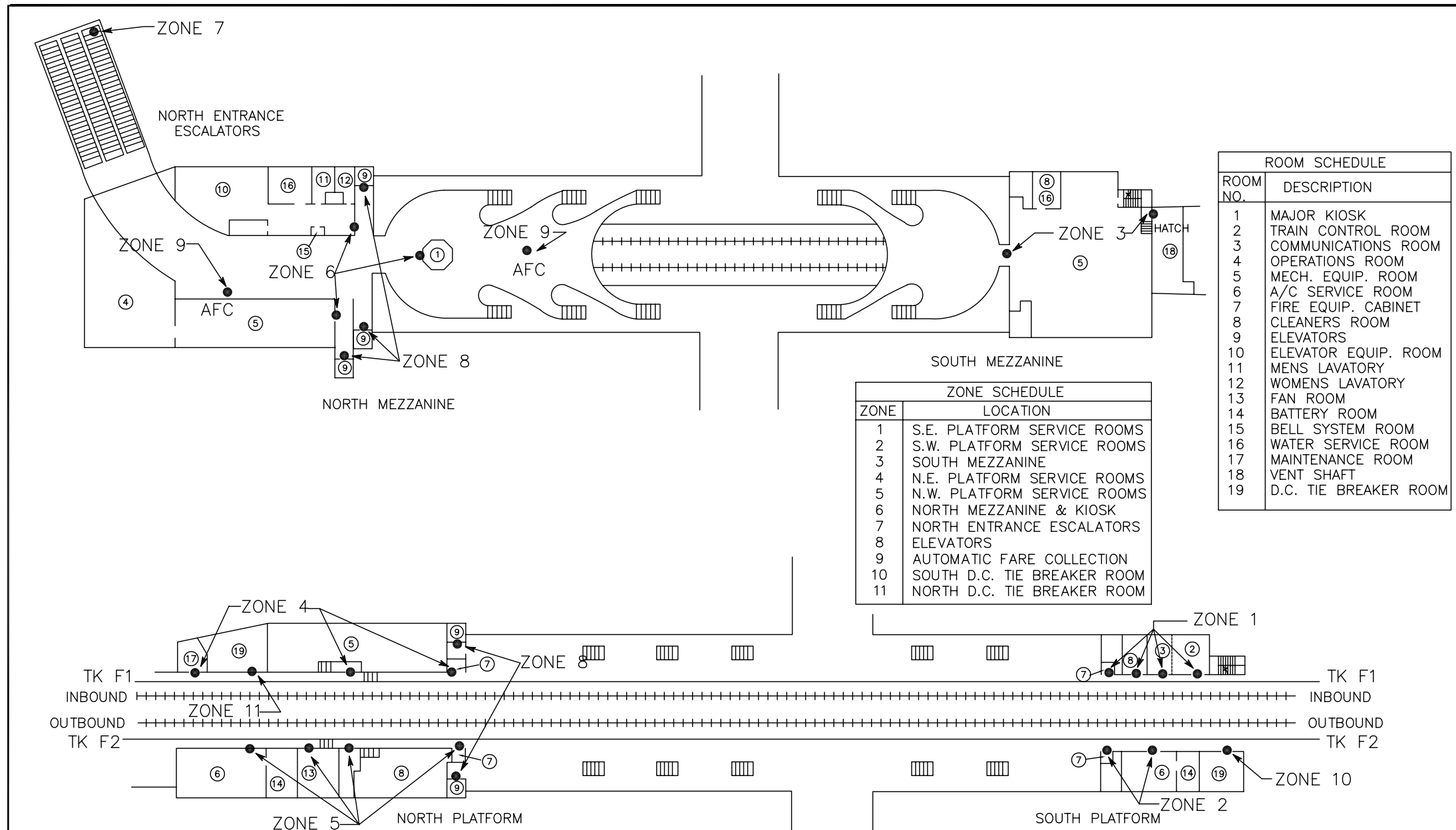
KIOSK DATA FILE L'ENFANT PLAZA (UPPER) FIRE ZONES		
SCALE NONE	DRAWING NO. LPU-1	REV-1

ZONE SCHEDULE	
ZONE	LOCATION
12	OHIO AVE. SUBSTATION
19	FAN SHAFT F-2
20	DRAINAGE PUMP STATION F-2
21	FAN SHAFT L1
22	DRAINAGE PUMP STATION L-1



DESIGNED <u>FBI</u>	DATE <u>7-77</u>	REFERENCE DRAWINGS		REVISIONS		WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY		KIOSK DATA FILE L'ENFANT PLAZA (UPPER) ANCILLARY BUILDINGS FIRE ZONES	
DRAWN <u>WRB</u>	DATE <u>5-93</u>	NUMBER	DESCRIPTION	DATE	BY				
CHECKED _____	DATE _____			9-91	FL	CONFIGURATION UPDATED			
APPROVED _____	DATE _____								

UE&C
 URBAN SERVICES
 GIBBS & HILL TRANSPORTATION DIVISION
 WASHINGTON, D.C.
 SUBMITTED _____



ROOM SCHEDULE	
ROOM NO.	DESCRIPTION
1	MAJOR KIOSK
2	TRAIN CONTROL ROOM
3	COMMUNICATIONS ROOM
4	OPERATIONS ROOM
5	MECH. EQUIP. ROOM
6	A/C SERVICE ROOM
7	FIRE EQUIP. CABINET
8	CLEANERS ROOM
9	ELEVATORS
10	ELEVATOR EQUIP. ROOM
11	MENS LAVATORY
12	WOMENS LAVATORY
13	FAN ROOM
14	BATTERY ROOM
15	BELL SYSTEM ROOM
16	WATER SERVICE ROOM
17	MAINTENANCE ROOM
18	VENT SHAFT
19	D.C. TIE BREAKER ROOM

ZONE SCHEDULE	
ZONE	LOCATION
1	S.E. PLATFORM SERVICE ROOMS
2	S.W. PLATFORM SERVICE ROOMS
3	SOUTH MEZZANINE
4	N.E. PLATFORM SERVICE ROOMS
5	N.W. PLATFORM SERVICE ROOMS
6	NORTH MEZZANINE & KIOSK
7	NORTH ENTRANCE ESCALATORS
8	ELEVATORS
9	AUTOMATIC FARE COLLECTION
10	SOUTH D.C. TIE BREAKER ROOM
11	NORTH D.C. TIE BREAKER ROOM

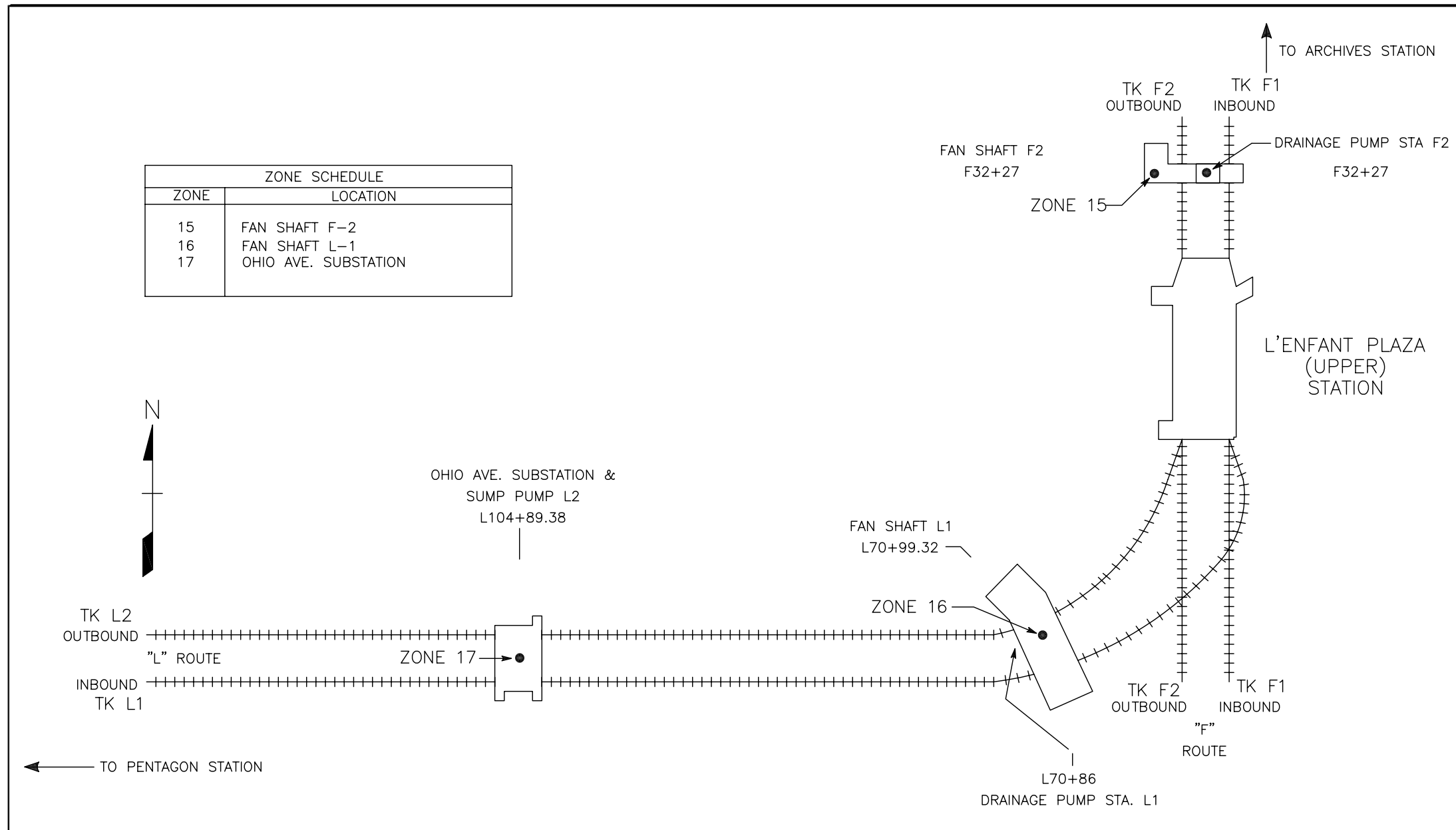
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FBI	7-77				
DRAWN	5-93			9-91	FI CONFIGURATION UPDATED
CHECKED					
APPROVED					

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 UE&C
 URBAN SERVICES
 GIBBS & HILL TRANSPORTATION DIVISION
 WASHINGTON, D.C.
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KIOSK DATA FILE
 L'ENFANT PLAZA (UPPER)
 INTRUSION ZONES

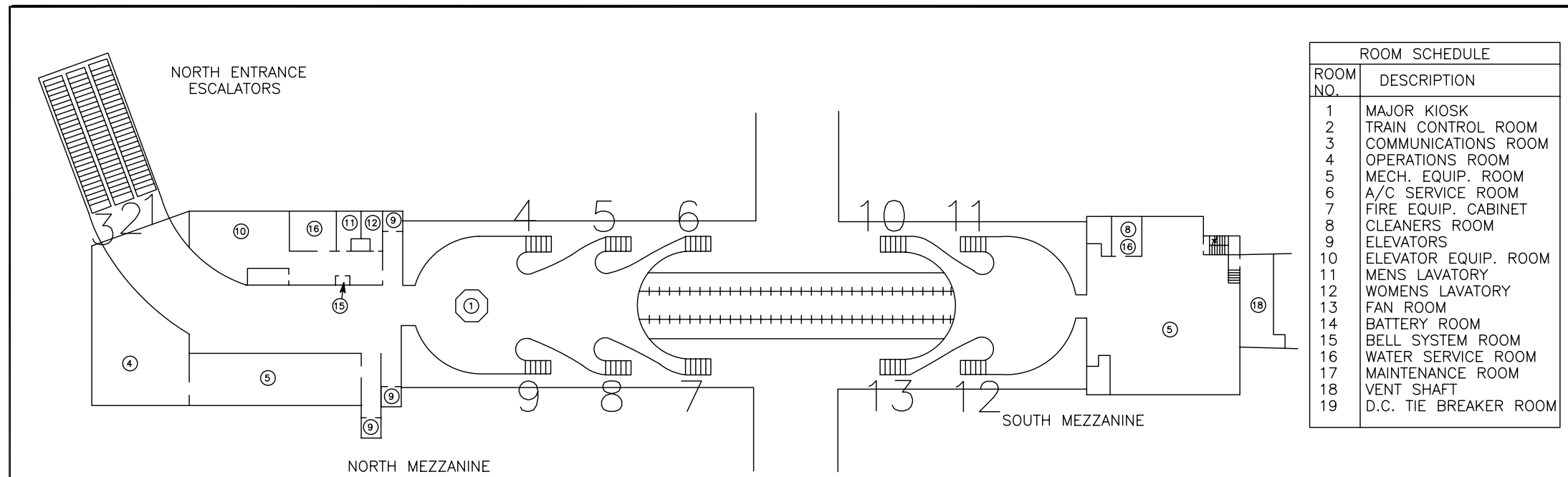
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ZONE SCHEDULE	
ZONE	LOCATION
15	FAN SHAFT F-2
16	FAN SHAFT L-1
17	OHIO AVE. SUBSTATION



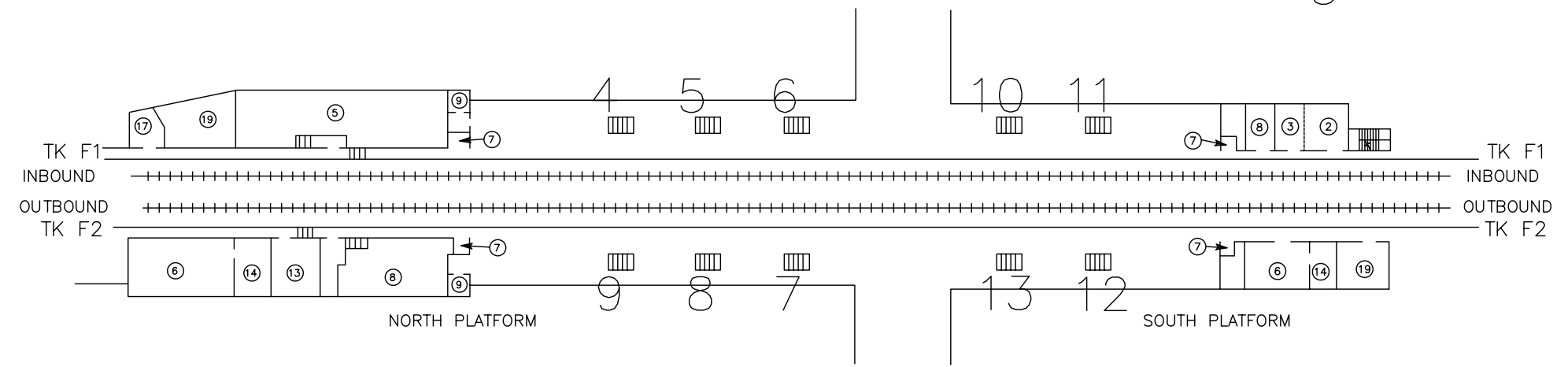
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DRAWN <u>WRB</u>	DATE <u>5-93</u>	NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION	L'ENFANT PLAZA (UPPER)		SCALE
CHECKED _____	DATE _____			9-91	FL	CONFIGURATION UPDATED	ANCILLARY BUILDINGS		DRAWING NO.
APPROVED _____	DATE _____						INTRUSION ZONES		LPU-4
									REV-1

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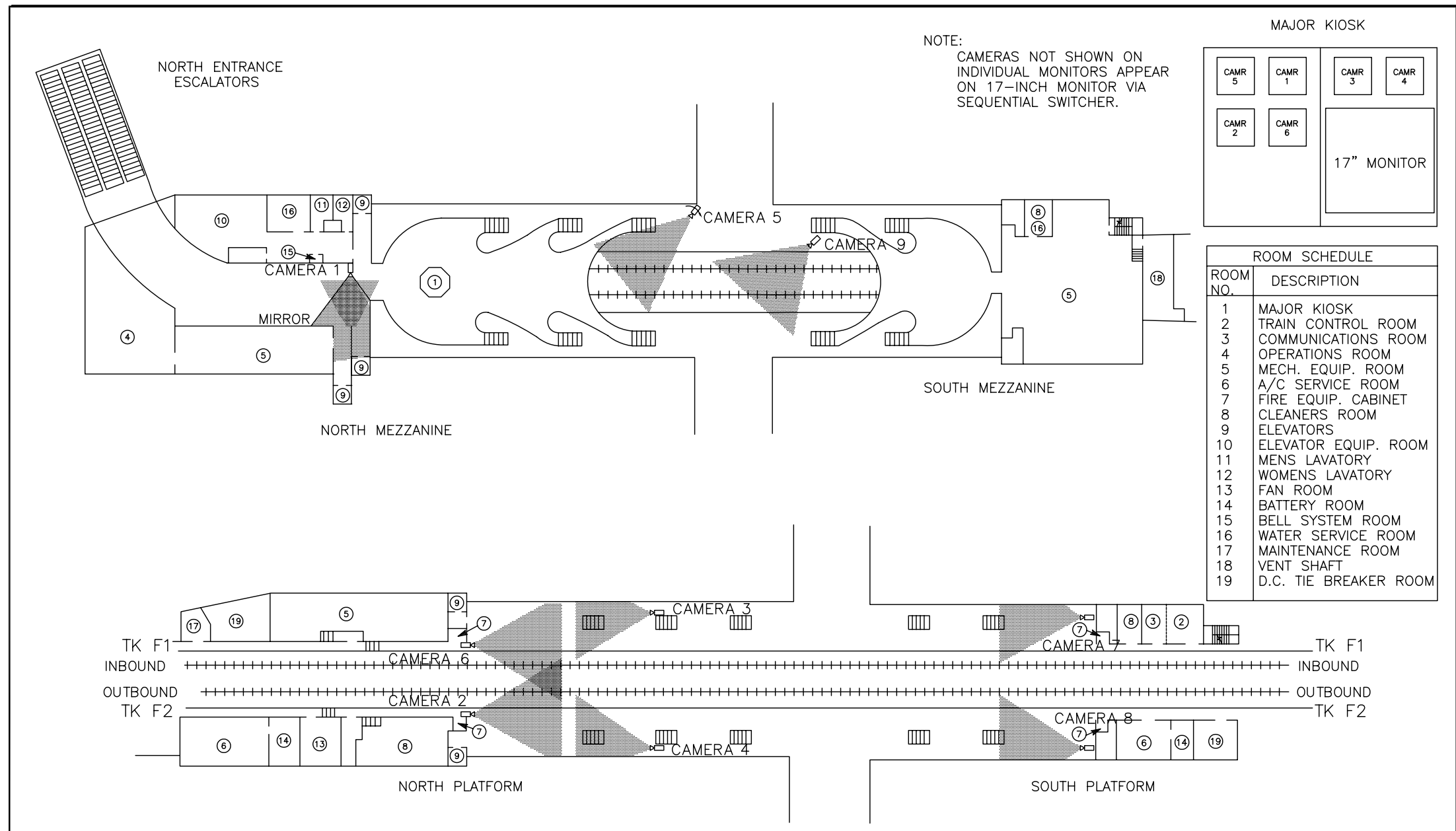
ROOM SCHEDULE	
ROOM NO.	DESCRIPTION
1	MAJOR KIOSK
2	TRAIN CONTROL ROOM
3	COMMUNICATIONS ROOM
4	OPERATIONS ROOM
5	MECH. EQUIP. ROOM
6	A/C SERVICE ROOM
7	FIRE EQUIP. CABINET
8	CLEANERS ROOM
9	ELEVATORS
10	ELEVATOR EQUIP. ROOM
11	MENS LAVATORY
12	WOMENS LAVATORY
13	FAN ROOM
14	BATTERY ROOM
15	BELL SYSTEM ROOM
16	WATER SERVICE ROOM
17	MAINTENANCE ROOM
18	VENT SHAFT
19	D.C. TIE BREAKER ROOM

LEGEND:
5—ESCALATOR NUMBER

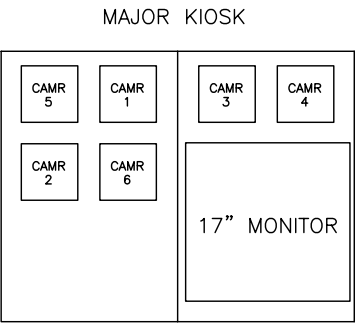


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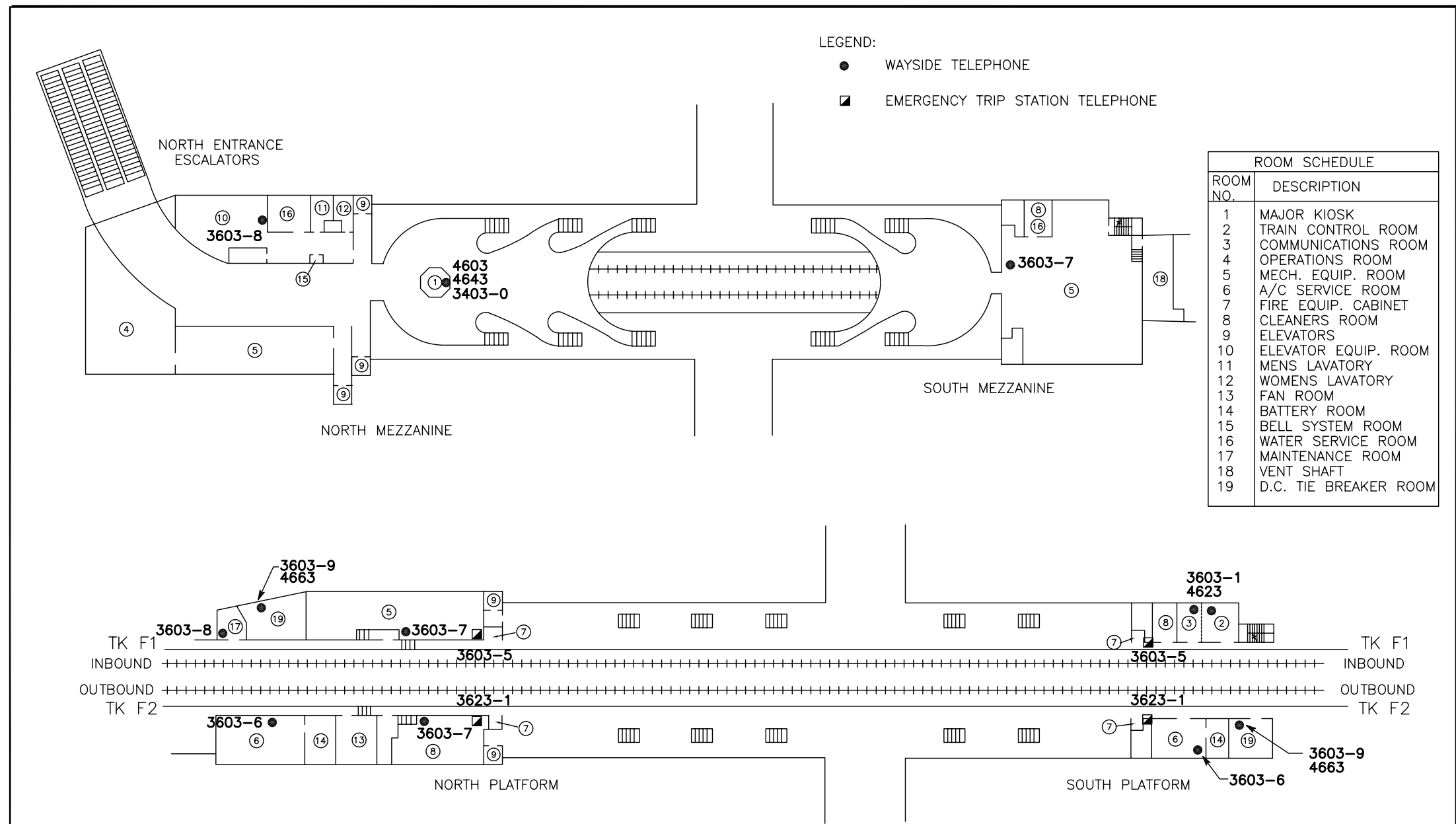


NOTE:
CAMERAS NOT SHOWN ON
INDIVIDUAL MONITORS APPEAR
ON 17-INCH MONITOR VIA
SEQUENTIAL SWITCHER.



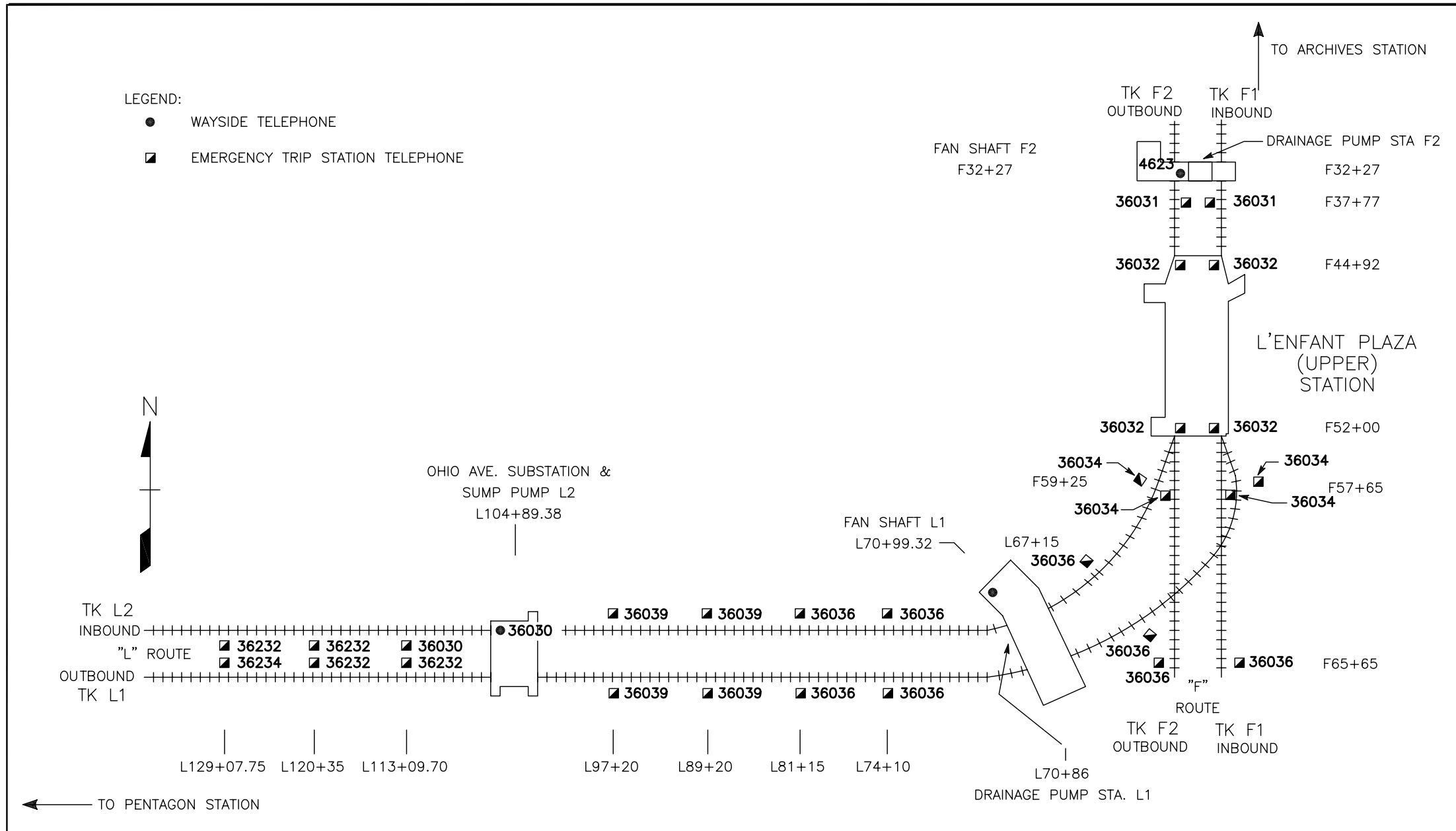
ROOM SCHEDULE	
ROOM NO.	DESCRIPTION
1	MAJOR KIOSK
2	TRAIN CONTROL ROOM
3	COMMUNICATIONS ROOM
4	OPERATIONS ROOM
5	MECH. EQUIP. ROOM
6	A/C SERVICE ROOM
7	FIRE EQUIP. CABINET
8	CLEANERS ROOM
9	ELEVATORS
10	ELEVATOR EQUIP. ROOM
11	MENS LAVATORY
12	WOMENS LAVATORY
13	FAN ROOM
14	BATTERY ROOM
15	BELL SYSTEM ROOM
16	WATER SERVICE ROOM
17	MAINTENANCE ROOM
18	VENT SHAFT
19	D.C. TIE BREAKER ROOM

DESIGNED <u>FBI</u>	DATE <u>7-77</u>	REFERENCE DRAWINGS		REVISIONS		WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY UE&C URBAN SERVICES GIBBS & HILL TRANSPORTATION DIVISION WASHINGTON, D.C. SUBMITTED _____	KIOSK DATA FILE L'ENFANT PLAZA (UPPER) CCTV	
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CHECKED _____	DATE _____			9-91	FL			CONFIGURATION UPDATED
APPROVED _____	DATE _____							
		SCALE	DRAWING NO.					REV-1
		NONE	LPU-6					



DESIGNED		REFERENCE DRAWINGS		REVISIONS		WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	KIOSK DATA FILE	
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DRAWN	5-93							REV-1
CHECKED	DATE							
APPROVED	DATE							

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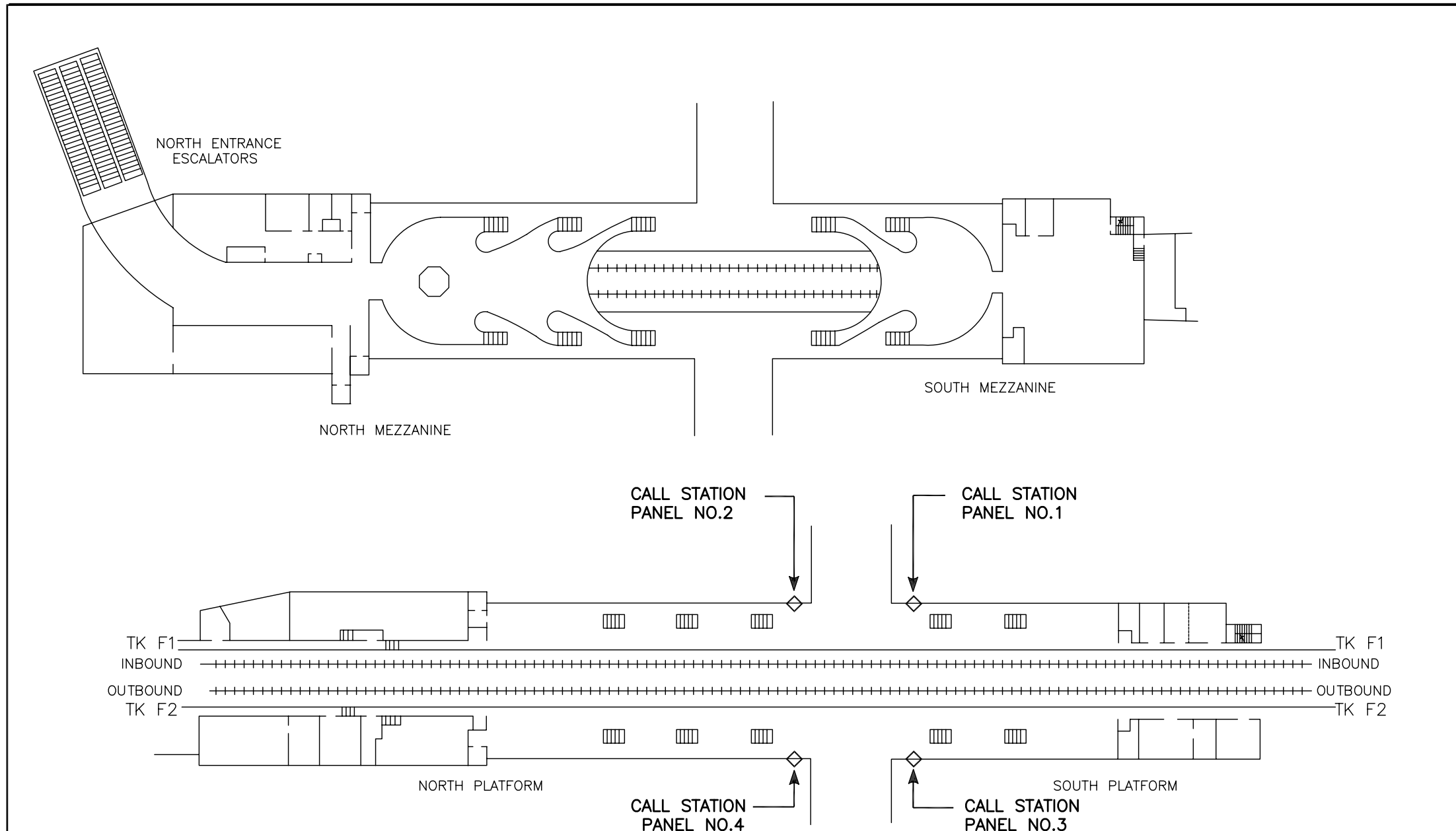


LEGEND:
 ● WAYSIDE TELEPHONE
 ◻ EMERGENCY TRIP STATION TELEPHONE

DESIGNED <u>FL</u>	<u>5-93</u>	REFERENCE DRAWINGS		REVISIONS		WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY		KIOSK DATA FILE L'ENFANT PLAZA (UPPER) ANCILLARY BUILDINGS TELEPHONE LOCATIONS AND NUMBERS	
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CHECKED _____	DATE			5-93	FL	CONFIGURATION UPDATED		LPU-8	REV-1
APPROVED _____	DATE								

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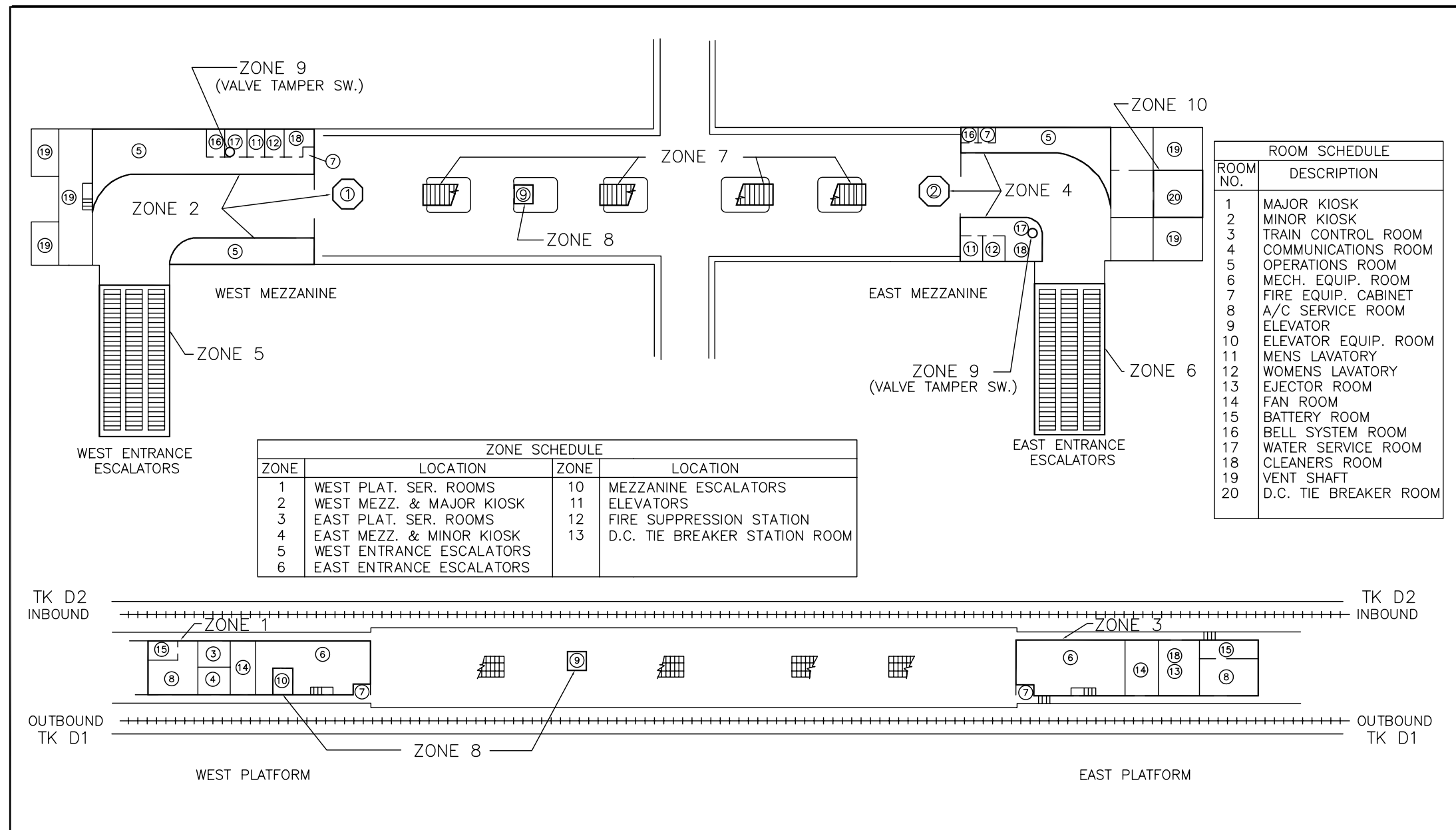
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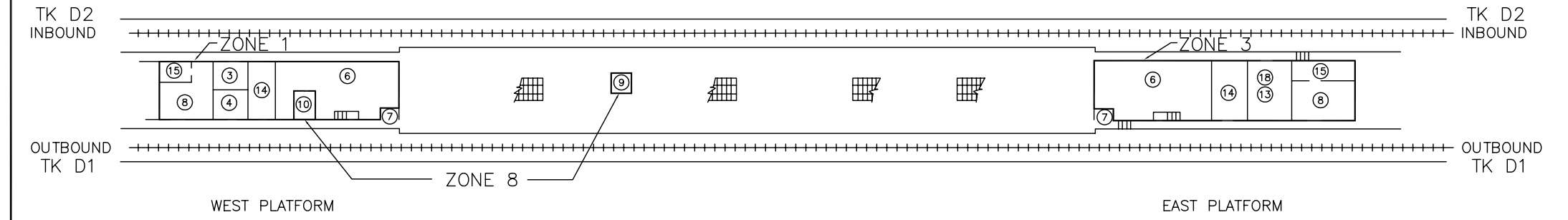
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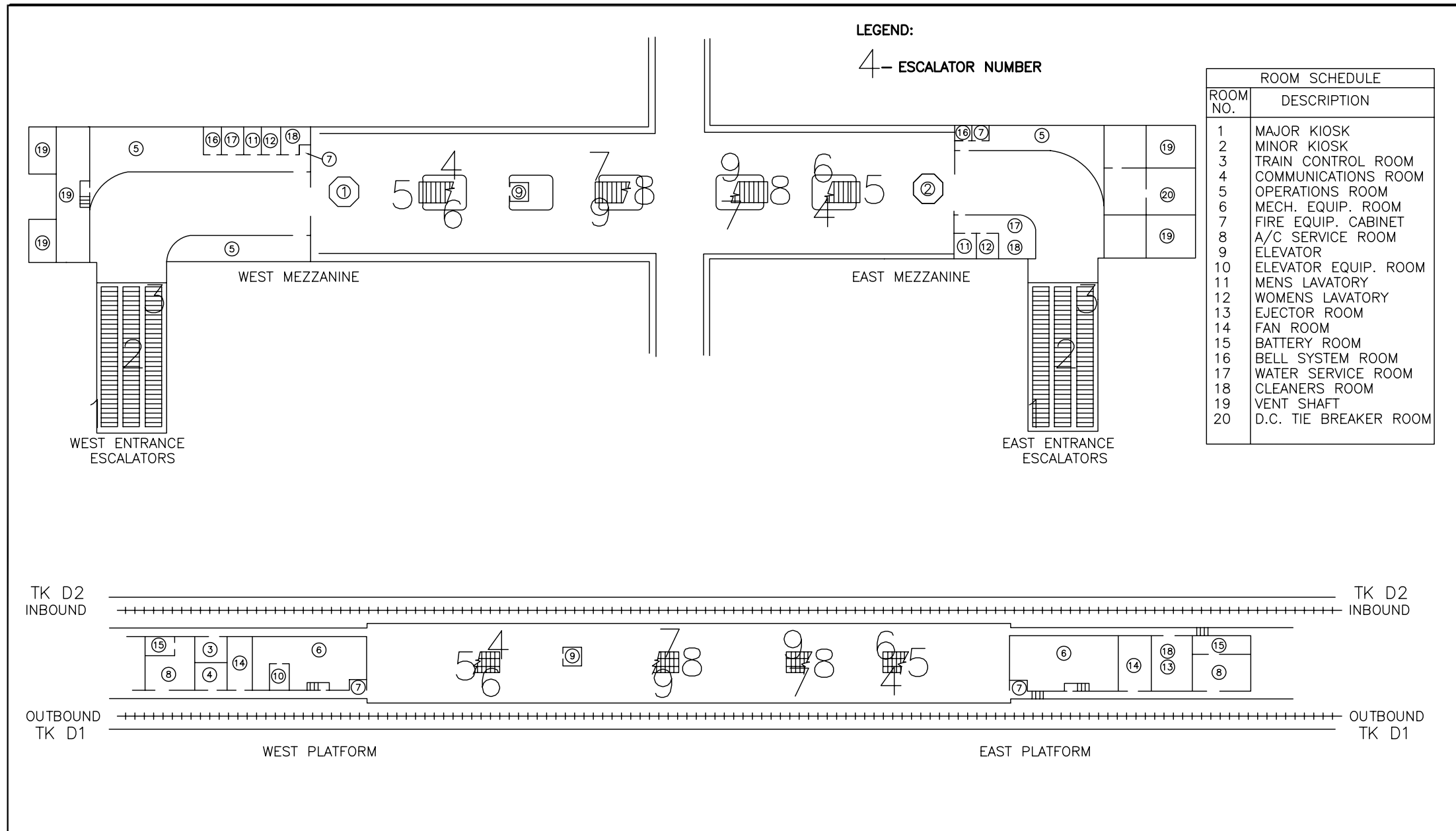
ZONE SCHEDULE			
ZONE	LOCATION	ZONE	LOCATION
1	WEST PLAT. SER. ROOMS	10	MEZZANINE ESCALATORS
2	WEST MEZZ. & MAJOR KIOSK	11	ELEVATORS
3	EAST PLAT. SER. ROOMS	12	FIRE SUPPRESSION STATION
4	EAST MEZZ. & MINOR KIOSK	13	D.C. TIE BREAKER STATION ROOM
5	WEST ENTRANCE ESCALATORS		
6	EAST ENTRANCE ESCALATORS		

ROOM SCHEDULE	
ROOM NO.	DESCRIPTION
1	MAJOR KIOSK
2	MINOR KIOSK
3	TRAIN CONTROL ROOM
4	COMMUNICATIONS ROOM
5	OPERATIONS ROOM
6	MECH. EQUIP. ROOM
7	FIRE EQUIP. CABINET
8	A/C SERVICE ROOM
9	ELEVATOR
10	ELEVATOR EQUIP. ROOM
11	MENS LAVATORY
12	WOMENS LAVATORY
13	EJECTOR ROOM
14	FAN ROOM
15	BATTERY ROOM
16	BELL SYSTEM ROOM
17	WATER SERVICE ROOM
18	CLEANERS ROOM
19	VENT SHAFT
20	D.C. TIE BREAKER ROOM



DESIGNED <u>FBL</u> DRAWN <u>WRB</u> CHECKED _____ APPROVED _____	REFERENCE DRAWINGS NUMBER DESCRIPTION DATE BY DESCRIPTION 7-77 _____ 5-91 FL CONFIGURATION UPDATED	REVISIONS DATE BY DESCRIPTION	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY UE&C URBAN SERVICES GIBBS & HILL TRANSPORTATION DIVISION WASHINGTON, D.C. SUBMITTED _____	KIOSK DATA FILE L'ENFANT PLAZA (LOWER) FIRE ZONES SCALE NONE DRAWING NO. LPL-1 REV-1
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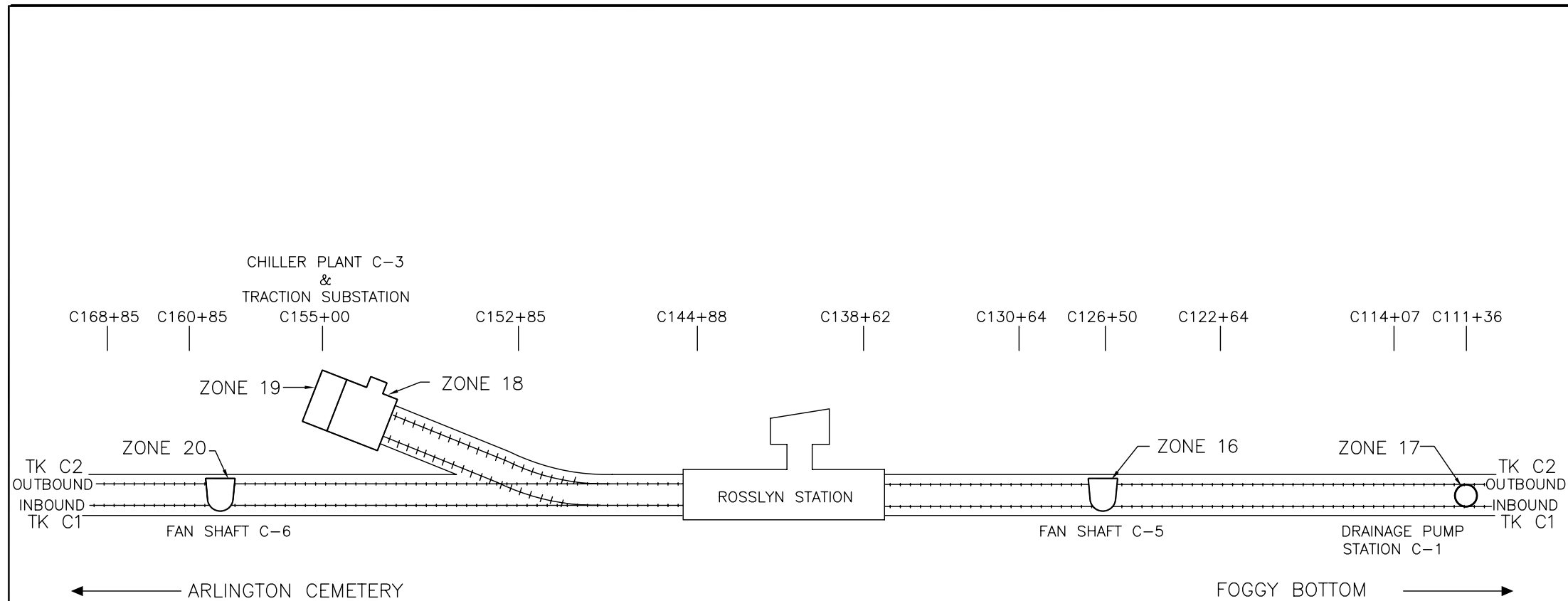
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ROOM SCHEDULE	
ROOM NO.	DESCRIPTION
1	MAJOR KIOSK
2	MINOR KIOSK
3	TRAIN CONTROL ROOM
4	COMMUNICATIONS ROOM
5	OPERATIONS ROOM
6	MECH. EQUIP. ROOM
7	FIRE EQUIP. CABINET
8	A/C SERVICE ROOM
9	ELEVATOR
10	ELEVATOR EQUIP. ROOM
11	MENS LAVATORY
12	WOMENS LAVATORY
13	EJECTOR ROOM
14	FAN ROOM
15	BATTERY ROOM
16	BELL SYSTEM ROOM
17	WATER SERVICE ROOM
18	CLEANERS ROOM
19	VENT SHAFT
20	D.C. TIE BREAKER ROOM

LEGEND:
4-- ESCALATOR NUMBER

DESIGNED <u>FBI</u> DRAWN <u>WRB</u> CHECKED _____ APPROVED _____	REFERENCE DRAWINGS NUMBER DESCRIPTION DATE BY DESCRIPTION 7-77 _____ 5-91 _____	REVISIONS DATE BY DESCRIPTION 5-91 FL CONFIGURATION UPDATED	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY UE&C URBAN SERVICES GIBBS & HILL TRANSPORTATION DIVISION WASHINGTON, D.C. SUBMITTED _____	KIOSK DATA FILE L'ENFANT PLAZA (LOWER) ESCALATOR	
	SCALE NONE	DRAWING NO. LPL-5		REV-2	



ZONE SCHEDULE	
ZONE	LOCATION
16	FAN SHAFT C-5
17	DRAINAGE PUMP STATION C-1
18	TRACTION POWER SUBSTATION
19	CHILLER PLANT C-3
20	FAN SHAFT C-6

DESIGNED <u>FBI</u>	DATE <u>4-77</u>	REFERENCE DRAWINGS		REVISIONS		WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY		KIOSK DATA FILE ROSSLYN ANCILLARY BUILDINGS FIRE ZONES	
DRAWN <u>WB</u>	DATE <u>5-93</u>	NUMBER	DESCRIPTION	DATE	BY				
CHECKED _____	DATE _____			05-10-91	FL	CONFIGURATION UPDATED	SUBMITTED _____		
APPROVED _____	DATE _____								

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