SCHEDULE OF DRAWINGS

ARCHITECTURAL

DWG. No.	TITLE
A-A-1	SCHEDULE OF DRAWINGS - ARCHITECTURAL
A-A-2	SCHEDULE OF DRAWINGS - STRUCTURAL
A-A-3	SCHEDULE OF DRAWINGS - MECHANICAL TRADES
A-A-4	FINISH SCHEDULE - ZONE - SUB-7
A-A-5	FINISH SCHEDULE - ZONE - I - II - III
A-A-6	DOOR BUCK DETAIL & DOOR SCHEDULES
A-A-7	UNASSIGNED
A-A-8	SUB-LEVEL-No 5 FLOOR PLAN - ELEV. 260 LOWER LEVEL
A-A-9	SUB-LEVEL-No 4 FLOOR PLAN - ELEV. 253 UPPER LEVEL
A-A-10	SUB-LEVEL-No 3 FLOOR PLAN - ELEV. 266'-0"
A-A-11	SUB-LEVELS No 3 & 5 - CORE PLANS EL 282-253-266
A-A-12	SUB-LEVEL-No 2 - FLOOR PLAN ELEV. 278'0"
A-A-13	SUB-LEVEL-No 2 - CORE PLAN ELEV 276'-0"
A-A-14	SUB-LEVEL-No 1 - FLOOR PLAN ELEV 286'-0"
A-A-15	SUB-LEVEL-No 1 - CORE PLAN ELEV 286'-0"
A-A-16	SERVICE LEVEL - FLOOR PLAN ELEV 296'-0"
A-A-17	SERVICE LEVEL - CORE PLAN ELEV 296'-0"
A-A-18	PLANS & SECTION STAIRS J-A, R-1
A-A-19	FIRST FLOOR PLAN - CONCOURSE LEVEL
A-A-20	FIRST FLOOR CORE PLAN CONCOURSE LEVEL EL 310
A-A-20A	FIRST FLOOR INTERMEDIATE LEVEL PLAN AT ELEV. (14'6")
A-A-21	2ND FLOOR PLAN - PLAZA LEVEL EL 332
A-A-22	2ND FLOOR CORE PLAN - PLAZA LEVEL EL 332
A-A-23	3RD FLOOR PLAN
A-A-24	3RD FLOOR CORE PLAN
A-A-25	4TH FLOOR PLAN
A-A-26	4TH FLOOR CORE PLAN
A-A-27	5TH FLOOR PLAN
A-A-28	5TH FLOOR CORE PLAN
A-A-29	6TH FLOOR PLAN
A-A-30	6TH FLOOR CORE PLAN
A-A-31	7TH FLOOR PLAN LOWER M.E.R.
A-A-32	7TH FLOOR CORE PLAN LOWER M.E.R.
A-A-33	8TH FLOOR PLAN UPPER M.E.R.
A-A-34	8TH FLOOR CORE PLAN UPPER M.E.R.
A-A-35	UNASSIGNED.
A-A-36	UNASSIGNED
A-A-37	9TH TO 16TH FLOOR PLAN
A-A-38	9TH AND 10TH FLOOR CORE PLAN
A-A-39	11TH TO 16TH FLOOR CORE PLAN
A-A-40	17TH AND 18TH FLOOR PLAN
A-A-41	17TH FLOOR CORE PLAN
A-A-42	18TH FLOOR CORE PLAN
A-A-43	19TH TO 23RD FLOOR PLAN
A-A-44	19TH FLOOR CORE PLAN
A-A-45	20TH TO 23RD FLOOR CORE PLAN
A-A-46	24TH FLOOR PLAN
A-A-47	24TH FLOOR CORE PLAN
A-A-48	25TH AND 26TH FLOOR PLAN
A-A-49	25TH FLOOR CORE PLAN
A-A-50	26TH FLOOR CORE PLAN
A-A-51	27TH TO 31ST FLOOR PLAN
A-A-52	27TH TO 31ST FLOOR CORE PLAN
A-A-53	32ND FLOOR PLAN
A-A-54	32ND FLOOR CORE PLAN
A-A-55	33RD AND 34TH FLOOR PLAN.
A-A-56	33RD FLOOR CORE PLAN
A-A-57	34TH FLOOR CORE PLAN
A-A-58	35TH TO 40TH FLOOR PLAN
A-A-59	35TH TO 39TH FLOOR CORE PLAN
A-A-60	40TH FLOOR CORE PLAN
A-A-61	UNASSIGNED
A-A-62	UNASSIGNED
A-A-63	41ST FLOOR PLAN LOWER M.E.R.
A-A-64	41ST FLOOR CORE PLAN LOWER M.E.R.
A-A-65	42ND FLOOR PLAN UPPER M.E.R.
A-A-66	42ND FLOOR CORE PLAN UPPER M.E.R.
A-A-67	STAIR SECTIONS - STAIR #1
A-A-68	STAIR SECTIONS - STAIRS #2 AND #3
A-A-69	ESCALATOR SECTIONS - ESCALATORS A-3, A-4, A-5, A-6
A-A-70	43RD FLOOR PLAN LOWER ESCALATOR LEVEL
A-A-71	43RD FLOOR CORE PLAN LOWER ESCALATOR LEVEL
A-A-72	44TH FLOOR PLAN SKYLOBBY
A-A-73	44TH FLOOR CORE PLAN - SKYLOBBY
A-A-74	45TH FLOOR PLAN UPPER ESCALATOR LEVEL
A-A-75	45TH FLOOR CORE PLAN UPPER ESCALATOR LEVEL

ARCHITECTURAL

DWG. No.	TITLE
A-A-76	46TH FLOOR PLAN
A-A-77	46TH FLOOR CORE PLAN
A-A-78	47TH FLOOR PLAN
A-A-79	47TH FLOOR CORE PLAN
A-A-80	48TH FLOOR PLAN
A-A-81	48TH FLOOR CORE PLAN
A-A-82	49TH FLOOR PLAN
A-A-83	49TH FLOOR CORE PLAN
A-A-84	50TH TO 56TH FLOOR PLAN
A-A-85	50TH TO 56TH FLOOR CORE PLAN
A-A-86	55TH AND 56TH FLOOR PLAN
A-A-87	55TH FLOOR CORE PLAN
A-A-88	56TH FLOOR CORE PLAN
A-A-89	57TH A1.D 58TH FLOOR PLAN
A-A-90	57TH AND 58TH FLOOR CORE PLAN
A-A-91	59TH FLOOR PLAN
A-A-92	59TH FLOOR CORE PLAN
A-A-93	60TH FLOOR PLAN
A-A-94	60TH FLOOR CORE PLAN
A-A-95	61ST FLOOR PLAN
A-A-96	61ST FLOOR CORE PLAN
A-A-97	62ND AND 63RD FLOOR PLAN
A-A-98	62ND FLOOR CORE PLAN
A-A-99	63RD FLOOR CORE PLAN
A-A-100	64TH FLOOR PLAN
A-A-101	64TH FLOOR CORE PLAN
A-A-102	65TH FLOOR PLAN
A-A-103	65TH FLOOR CORE PLAN
A-A-104	66TH FLOOR PLAN
A-A-105	66TH FLOOR CORE PLAN
A-A-106	67TH FLOOR PLAN
A-A-107	67TH FLOOR CORE PLAN
A-A-108	68TH FLOOR PLAN
A-A-109	68TH FLOOR CORE PLAN
A-A-110	69TH FLOOR PLAN
A-A-111	69TH FLOOR CORE PLAN
A-A-112	70TH AND 71ST FLOOR PLAN
A-A-113	70TH AND 71ST FLOOR CORE PLAN
A-A-114	72ND AND 73RD FLOOR PLAN
A-A-115	72ND FLOOR CORE PLAN
A-A-116	73RD FLOOR CORE PLAN
A-A-117	74TH FLOOR PLAN
A-A-118	74TH FLOOR CORE PLAN
A-A-119	UNASSIGNED
A-A-120	UNASSIGNED
A-A-121	75TH FLOOR PLAN LOWER M.E.R.
A-A-122	75TH FLOOR CORE PLAN LOWER M.E.R.
A-A-123	76TH FLOOR PLAN UPPER M.E.R.
A-A-124	76TH FLOOR CORE PLAN UPPER M.E.R.
A-A-125	STAIR SECTIONS - STAIR #1 & #9
A-A-126	STAIR SECTIONS - STAIR #2 AND #3
A-A-127	ELEVATOR MACHINE ROOM & ESCALATOR SECTIONS
	ELEVATORS NO 69-76 & 89 - ESCALATORS A-7, A-8, A-9 & A-10.
A-A-128	77TH FLOOR PLAN LOWER ESCALATOR LEVEL
A-A-129	77TH FLOOR CORE PLAN LOWER ESCALATOR LEVEL
A-A-130	78TH FLOOR PLAN - SKYLOBBY
A-A-131	78TH FLOOR CORE PLAN - SKYLOBBY
A-A-132	79TH FLOOR PLAN UPPER ESCALATOR LEVEL
A-A-133	79TH FLOOR CORE PLAN UPPER ESCALATOR LEVEL
A-A-134	80TH FLOOR PLAN
A-A-135	80TH FLOOR CORE PLAN
A-A-136	81ST FLOOR PLAN
A-A-137	81ST FLOOR CORE PLAN
A-A-138	82ND FLOOR PLAN
A-A-139	82ND FLOOR CORE PLAN
A-A-140	83RD FLOOR PLAN
A-A-141	83RD FLOOR CORE PLAN
A-A-142	84TH TO 86TH FLOOR PLAN
A-A-143	84TH TO 86TH FLOOR CORE PLAN
A-A-144	87TH AND 88TH FLOOR PLAN
A-A-145	87TH FLOOR CORE PLAN
A-A-146	88TH FLOOR CORE PLAN
A-A-147	89TH TO 95TH FLOOR PLAN
A-A-148	89TH TO 95TH FLOOR CORE PLAN
A-A-149	94TH AND 95TH FLOOR PLAN
A-A-150	96TH FLOOR CORE PLAN

ARCHITECTURAL

DWG. No.	TITLE
A-A-151	98TH FLOOR CORE PLAN
A-A-152	99TH TO 100TH FLOOR PLAN
A-A-153	99TH TO 100TH FLOOR CORE PLAN
A-A-154	101ST AND 102ND FLOOR PLAN
A-A-155	101ST FLOOR CORE PLAN
A-A-156	102ND FLOOR CORE PLAN
A-A-157	103RD FLOOR PLAN
A-A-158	103RD FLOOR CORE PLAN
A-A-159	104TH FLOOR PLAN
A-A-160	104TH FLOOR CORE PLAN
A-A-161	105TH FLOOR PLAN
A-A-162	105TH FLOOR CORE PLAN
A-A-163	106TH FLOOR PLAN
A-A-164	106TH FLOOR CORE PLAN
A-A-165	107TH FLOOR PLAN - RESTAURANT LEVEL
A-A-166	107TH FLOOR CORE PLAN - RESTAURANT LEVEL
A-A-167	UNASSIGNED
A-A-168	UNASSIGNED
A-A-169	108TH FLOOR PLAN - LOWER M.E.R.
A-A-170	108TH FLOOR CORE PLAN - LOWER M.E.R.
A-A-171	109TH FLOOR PLAN UPPER M.E.R.
A-A-172	109TH FLOOR CORE PLAN UPPER M.E.R.
A-A-173	113TH FLOOR PLAN
A-A-173A	110TH FLOOR INTERMEDIATE LEVEL PLAN (AT EL. +8'6")
A-A-174	110TH FLOOR UPPER LEVEL PLAN (AT EL. +14'0")
A-A-175	110TH FLOOR CORE PLAN
A-A-176	PENTHOUSE ROOF AND COPING PLAN
12 A-A-176A	ROOF ANTENNA PLAN
A-A-177	TOWER SECTION - SECTION 'A'
A-A-178	TOWER SECTION - SECTION 'B'
A-A-179	TOWER SECTION - SECTION 'C'
A-A-180	TOWER SECTION - SECTION 'D'

ARCHITECTURAL

DWG. No.	TITLE
A-AB-201	CROSS SECTION THRU TOWER
A-AB-202	CROSS SECTION THRU TYPICAL FLOOR
A-AB-203	INTERIOR FINISH DETAILS AT CURTAIN WALL
A-AB-204	TYPICAL STAIR DETAILS
A-AB-205	TYPICAL STAIR DETAILS
A-AB-206	TYPICAL PARTITION & BEAM FIREPROOFING PLAN - ZONE I
A-AB-207	TYPICAL PARTITION & BEAM FIREPROOFING PLAN - ZONE II
A-AB-208	TYPICAL PARTITION & BEAM FIREPROOFING PLAN - ZONE III
A-AB-209	TYPICAL PART., BEAM FIREPROOFING & MISC. INTERIOR DETS
A-AB-210	TYPICAL PART., BEAM FIREPROOFING & MISC. INTERIOR DETS
A-AB-211	TYPICAL PART., BEAM FIREPROOFING & MISC. INTERIOR DETS
A-AB-212	TYPICAL PART., BEAM FIREPROOFING & MISC. INTERIOR DETS
A-AB-213	STANDARD PARTITION DETAILS
A-AB-213A	STANDARD PARTITION DETAILS
A-AB-214	TYPICAL TOILET PLANS AND ELEVATIONS
A-AB-215	TYPICAL CORE REFLECTED CEILING PLAN - ZONE I
A-AB-216	TYPICAL CORE REFLECTED CEILING PLAN - ZONE II
A-AB-217	TYPICAL CORE REFLECTED CEILING PLAN - ZONE III
A-AB-218	CEILING DETAILS
A-AB-219	CEILING DETAILS
A-AB-220	TYPICAL LOCAL ELEVATOR LOBBY PLANS & ELEVATIONS
A-AB-221	TYPICAL LOCAL ELEVATOR LOBBY DETAILS
A-AB-222	TYPICAL ELEVATOR CAB PLANS AND ELEVATIONS
A-AB-223	TYPICAL ELEVATOR CAB DETAILS
A-AB-224	FREIGHT ELEVATOR CAB PLANS AND ELEVATIONS
A-AB-225	ELEVATOR ACCESSORY DETAILS

ARCHITECTURAL

DWG. No.	TITLE
A-AB-226	44TH FLOOR SKYLOBBY PLAN
A-AB-227	78TH FLOOR SKYLOBBY PLAN
A-AB-228	44TH FLOOR SKYLOBBY ELEVATIONS
A-AB-229	78TH FLOOR SKYLOBBY ELEVATIONS
A-AB-230	44TH FLOOR SKYLOBBY REFLECTED CEILING PLAN
A-AB-231	78TH FLOOR SKYLOBBY REFLECTED CEILING PLAN
A-AB-232	SKYLOBBY - MAIN CORRIDOR CEILING DETAILS
A-AB-233	SKYLOBBY - MAIN CORRIDOR DETAILS
A-AB-234	SKYLOBBY - CROSS CORRIDOR, VESTIBULE & ELEVATOR LOBBY DETS
A-AB-235	SKYLOBBY - ESCALATOR DETAILS
A-AB-236	UNASSIGNED
A-AB-237	UNASSIGNED
A-AB-238	MISCELLANEOUS INTERIOR DETAILS
A-AB-239	BUILDING STANDARD DOOR KNOB DETAILS
A-AB-240	ELEVATOR SHAFT DOOR FRAME DETAILS
A-AB-241	UNASSIGNED
A-AB-242	UNASSIGNED
A-AB-243	UNASSIGNED
A-AB-244	UNASSIGNED
A-AB-245	UNASSIGNED
A-AB-246	UNASSIGNED
A-AB-247	UNASSIGNED
A-A-250	MAIN LOBBY, CONCOURSE FLOOR PLAN
A-AB-251	MAIN LOBBY, CONCOURSE CORE PLAN
A-AB-252	MAIN LOBBY, PLAZA FLOOR PLAN
A-A-253	MAIN LOBBY, ELEVATIONS A AND B
A-A-254	MAIN LOBBY, ELEVATIONS C AND D
A-AB-255	MAIN LOBBY, ELEVATIONS E AND F
A-AB-256	MAIN LOBBY, ELEVATIONS G AND H
A-AB-257	MAIN LOBBY, CONCOURSE REFLECTED CEILING PLAN AND DETAILS
A-AB-258	MAIN LOBBY, PLAZA REFLECTED CEILING PLAN
A-AB-259	MAIN LOBBY, PLAZA CEILING DETAILS
A-AB-260	UNASSIGNED
A-AB-261	MAIN LOBBY, ELEVATIONS OF ELEVATOR LOBBIES AT CONCOURSE
A-AB-262	MAIN LOBBY, MAIN CORRIDOR DETAILS
A-AB-263	MAIN LOBBY, LOCAL ELEVATOR LOBBY DETAILS
A-AB-264	MAIN LOBBY, ESCALATOR DETAILS
A-AB-265	MAIN LOBBY, CORE WALLS SECTIONS AND DETAILS
A-AB-266	MAIN LOBBY, CORE WALL PLAN DETAILS
A-AB-267	MAIN LOBBY, EXTERIOR CORNER DETAILS
A-AB-268	MAIN LOBBY, SIGN DETAILS AND DECORATIVE PANEL DETAILS
A-AB-269	ELEVATOR LOBBIES K-3, 4, 5 - J-1, 2, 3 & P-1
A-AB-270	MISCELLANEOUS LOBBY DETAILS
A-AB-271	CATWALK FRAMING BELOW 7TH FLOOR
A-AB-272	CATWALK FRAMING HANGER SUPPORT
A-AB-273	UNASSIGNED
A-AB-274	UNASSIGNED
A-AB-275	UNASSIGNED

ARCHITECTURAL

DWG. No.	TITLE
A-AB-301	NORTH AND SOUTH ELEVATIONS
A-AB-302	EAST AND WEST ELEVATIONS
A-AB-303	TYPICAL FACADE ELEVATION
A-AB-304	FACADE ELEVATIONS, SECTIONS & DETAILS AT TYP COL FL
A-AB-305	NORTH AND EAST BASE ELEVATIONS
A-AB-306	WEST AND SOUTH BASE ELEVATIONS
A-AB-307	COLUMN COVER CONTOURS AT BASE
A-AB-308	FACADE ELEVATIONS AND SECTIONS AT BASE
A-AB-309	FACADE DETAILS AT BASE
A-AB-310	FACADE ENTRANCE DETAILS
A-AB-311	CORNER ELEVATIONS AND PLANS AT BASE
A-AB-312	CORNER DETAILS OF TYPICAL FLOOR
A-AB-313	FACADE ELEVATIONS AND SECTIONS AT 7TH FLOOR M.E.R.
A-AB-314	DETAILS OF FACADE AND LOUVERS AT 7TH FLOOR M.E.R.
A-AB-315	FACADE ELEVATIONS AND SECTIONS AT 41ST & 75TH FL M.E.R.
A-AB-316	DETAILS OF FACADE AND LOUVERS AT 41ST & 75TH FL M.E.R.
A-AB-317	MISCELLANEOUS MECHANICAL LEVEL DETAILS
A-AB-318	ELEVATIONS AND SECTIONS AT CROWN
A-AB-319	CROWN DETAILS
A-A-320	CROWN DETAILS
A-AB-321	CORNER ELEVATIONS AND PLANS OF TYP FL AND CROWN
A-AB-322	CORNER DETAILS OF 7TH - 41ST AND 75TH FLOOR M.E.R'S
A-AB-323	CORNER DETAILS AT CROWN
A-AB-324	ELEVATIONS AND DETAILS OF WINDOW WASHER STORAGE AREA
A-A-325	DETAILS OF ANTENNA BASE AT ROOF
T.L.L. 284	TENANT FACILITIES (SUB LEVEL) FLOOR PLAN EL 284'0"
T.L.L. 284A	TENANT TOILET FACILITIES SUB LEVEL #1, EL 284'0" FLOOR PLANS & FINISH SCHEDULE
T.A.A. 110	110TH FLOOR PLAN - TV BROADCASTERS

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO DRAWING Edit 9-9-64

NO.	DATE	REVISION	BY
1	6-11-70	A-247	L.C.
2	1-24-71	A-251	L.C.
3	10-11-71	A-251	L.M.
4	8-18-71	A-147	G.B.
5	11-4-71	A-105	L.M.
6	6-12-72	A-13	L.M.
7	1-30-74	A-93	L.L.
8	11-30-70	A-27	L.L.
9	7-29-74	A-25	L.L.
10	8-19-75	A-25	L.L.
11	10-21-76	A-25	L.L.

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORINO & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SCHEDULE OF DRAWINGS
ARCHITECTURAL

DRAWN		CHECKED	
SCALE	NONE	DATE	7-11-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-1		

SCHEDULE OF DRAWINGS

STRUCTURAL

DWG. No.	TITLE
	TITLE SHEET
S-A-0	DRAWING INDEX
S-A-1	FOUNDATION PLAN
S-A-2	SUB-LEVEL No. 5 - ELEV 242'-0"
S-A-3	FRAMING PLAN SUB-LEVEL No. 4 - ELEV. 253'-0"
S-A-4	FRAMING PLAN SUB-LEVEL No. 3 - ELEV. 266'-0"
S-A-5	FRAMING PLAN SUB-LEVEL No. 2 - ELEV. 276'-0"
S-A-6	FRAMING PLAN SUB-LEVEL No. 1 - ELEV. 286'-0"
S-A-7	FRAMING PLAN SERVICE LEVEL ELEV 296'-0"
S-A-8	FRAMING PLAN FLOOR 1
S-A-9	FRAMING PLAN INTERMEDIATE LEVEL
S-A-10	FRAMING PLAN FLOOR 2
S-A-11	FRAMING PLAN FLOOR 3
S-A-12	FRAMING PLAN FLOOR 4
S-A-13	FRAMING PLAN FLOOR 5
S-A-14	FRAMING PLAN FLOOR 6
S-A-15	FRAMING PLAN FLOOR 7
S-A-16	FRAMING PLAN FLOOR 8
S-A-17	FRAMING PLAN FLOOR 9
S-A-18	FRAMING PLAN FLOORS 10 AND 11
S-A-19	UNASSIGNED
S-A-20	FRAMING PLAN FLOORS 12-16
S-A-21	UNASSIGNED
S-A-22	UNASSIGNED
S-A-23	UNASSIGNED
S-A-24	UNASSIGNED
S-A-25	FRAMING PLAN FLOOR 17
S-A-26	FRAMING PLAN FLOOR 18
S-A-27	FRAMING PLAN FLOOR 19
S-A-28	FRAMING PLAN FLOOR 20
S-A-29	FRAMING PLAN FLOORS 21-28
S-A-30	UNASSIGNED
S-A-31	UNASSIGNED
S-A-32	FRAMING PLAN FLOOR 24
S-A-33	FRAMING PLAN FLOOR 25
S-A-34	FRAMING PLAN FLOOR 26
S-A-35	FRAMING PLAN FLOOR 27
S-A-36	FRAMING PLAN FLOORS 28-31
S-A-37	UNASSIGNED
S-A-38	UNASSIGNED
S-A-39	UNASSIGNED
S-A-40	FRAMING PLAN FLOOR 32
S-A-41	FRAMING PLAN FLOOR 33
S-A-42	FRAMING PLAN FLOOR 34
S-A-43	FRAMING PLAN FLOOR 35
S-A-44	FRAMING PLAN FLOORS 36-38
S-A-45	UNASSIGNED
S-A-46	UNASSIGNED
S-A-47	FRAMING PLAN FLOOR 39
S-A-48	FRAMING PLAN FLOOR 40
S-A-49	FRAMING PLAN FLOOR 41
S-A-50	FRAMING PLAN FLOOR 42
S-A-51	FRAMING PLAN FLOOR 43
S-A-52	FRAMING PLAN FLOOR 44
S-A-53	FRAMING PLAN FLOOR 45
S-A-54	FRAMING PLAN FLOOR 46
S-A-55	FRAMING PLAN FLOOR 47
S-A-56	FRAMING PLAN FLOOR 48
S-A-57	FRAMING PLAN FLOOR 49
S-A-58	FRAMING PLAN FLOOR 50
S-A-59	FRAMING PLAN FLOORS 51-54
S-A-60	UNASSIGNED
S-A-61	UNASSIGNED
S-A-62	UNASSIGNED
S-A-63	FRAMING PLAN FLOOR 55
S-A-64	FRAMING PLAN FLOOR 56
S-A-65	FRAMING PLAN FLOOR 57
S-A-66	FRAMING PLAN FLOOR 58
S-A-67	FRAMING PLAN FLOOR 59
S-A-68	FRAMING PLAN FLOOR 60
S-A-69	FRAMING PLAN FLOOR 61
S-A-70	FRAMING PLAN FLOOR 62
S-A-71	FRAMING PLAN FLOOR 63
S-A-72	FRAMING PLAN FLOOR 64
S-A-73	FRAMING PLAN FLOOR 65
S-A-74	FRAMING PLAN FLOOR 66

STRUCTURAL

DWG. No.	TITLE
S-A-75	FRAMING PLAN FLOOR 67
S-A-76	FRAMING PLAN FLOOR 68
S-A-77	FRAMING PLAN FLOOR 69
S-A-78	FRAMING PLAN FLOOR 70
S-A-79	FRAMING PLAN FLOOR 71
S-A-80	FRAMING PLAN FLOOR 72
S-A-81	FRAMING PLAN FLOOR 73
S-A-82	FRAMING PLAN FLOOR 74
S-A-83	FRAMING PLAN FLOOR 75
S-A-84	FRAMING PLAN FLOOR 76
S-A-85	FRAMING PLAN FLOOR 77
S-A-86	FRAMING PLAN FLOOR 78
S-A-87	FRAMING PLAN FLOOR 79
S-A-88	FRAMING PLAN FLOOR 80
S-A-89	FRAMING PLAN FLOOR 81
S-A-90	FRAMING PLAN FLOOR 82
S-A-91	FRAMING PLAN FLOOR 83
S-A-92	FRAMING PLAN FLOORS 84-86
S-A-93	UNASSIGNED
S-A-94	UNASSIGNED
S-A-95	FRAMING PLAN FLOOR 87
S-A-96	FRAMING PLAN FLOOR 88
S-A-97	FRAMING PLAN FLOOR 89
S-A-98	FRAMING PLAN FLOOR 90 AND 91
S-A-99	UNASSIGNED
S-A-100	FRAMING PLAN FLOOR 92
S-A-101	FRAMING PLAN FLOOR 93
S-A-102	FRAMING PLAN FLOOR 94
S-A-103	FRAMING PLAN FLOOR 95
S-A-104	FRAMING PLAN FLOOR 96
S-A-105	FRAMING PLAN FLOORS 97-100
S-A-106	UNASSIGNED
S-A-107	UNASSIGNED
S-A-108	UNASSIGNED
S-A-109	FRAMING PLAN FLOOR 101
S-A-110	FRAMING PLAN FLOOR 102
S-A-111	FRAMING PLAN FLOOR 103
S-A-112	FRAMING PLAN FLOOR 104
S-A-113	FRAMING PLAN FLOOR 105
S-A-114	FRAMING PLAN FLOOR 106
S-A-115	FRAMING PLAN FLOOR 107
S-A-116	UNASSIGNED
S-A-117	FRAMING PLAN FLOOR 108
S-A-118	FRAMING PLAN FLOOR 109
S-A-119	FRAMING PLAN FLOOR 110
S-A-120	FRAMING PLAN PENTHOUSE ROOF
S-A-121	UNASSIGNED
S-A-122	FLOOR PANEL FIREPROOFING PLAN
S-A-123	UNASSIGNED
S-A-124	FLOOR PANEL SCHEDULE
S-A-125	EXT. WALL TO 9TH - ELEVATION WALL 100
S-A-126	EXT. WALL TO 9TH - ELEVATION WALL 200
S-A-127	EXT. WALL TO 9TH - ELEVATION WALL 300
S-A-128	EXT. WALL TO 9TH - ELEVATION WALL 400
S-A-129	UNASSIGNED
S-A-130	UNASSIGNED
S-A-131	UNASSIGNED
S-A-132	UNASSIGNED
S-A-133	UNASSIGNED
S-A-134	UNASSIGNED
S-A-135	UNASSIGNED
S-A-136	UNASSIGNED
S-A-137	UNASSIGNED
S-A-138	UNASSIGNED
S-A-139	UNASSIGNED
S-A-140	EXT. WALL ABOVE 9TH - ELEVATION WALL 100
S-A-141	EXT. WALL ABOVE 9TH - ELEVATION WALL 200
S-A-142	EXT. WALL ABOVE 9TH - ELEVATION WALL 300
S-A-143	EXT. WALL ABOVE 9TH - ELEVATION WALL 400
S-A-144	UNASSIGNED
S-A-145	UNASSIGNED
S-A-146	UNASSIGNED
S-A-147	UNASSIGNED
S-A-148	UNASSIGNED
S-A-149	UNASSIGNED
S-A-150	UNASSIGNED

STRUCTURAL

DWG. No.	TITLE
S-A-151	GRILLAGE DETAILS
S-A-152	GRILLAGE DETAILS
S-A-153	UNASSIGNED
S-A-154	UNASSIGNED
S-A-155	UNASSIGNED
S-A-401	T.V. MAST SUPPORT ELEV. LINES 300, 600 & 700
S-A-402	T.V. MAST SUPPORT ELEV. LINES 800, 900 & 1000
S-A-403	T.V. MAST SUPPORT ELEV. LINES 001, 002, 003 & 004
S-A-404	T.V. MAST SUPPORT ELEV. LINES 005, 006, 007 & 008
SCA-1	CONCRETE PLAN SUB-LEVEL #5 EL. 242
SCA-2	CONCRETE PLAN SUB-LEVEL #4 EL. 253
SCA-3	CONCRETE PLAN SUB-LEVEL #3 EL. 266 CORE
SCA-4	CONCRETE PLAN SUB-LEVEL #3 EL. 266 FLOOR
SCA-5	CONCRETE PLAN SUB-LEVEL #2 EL. 276 CORE
SCA-6	CONCRETE PLAN SUB-LEVEL #2 EL. 276 FLOOR
SCA-7	CONCRETE PLAN SUB-LEVEL #1 EL. 286 CORE
SCA-8	CONCRETE PLAN SUB-LEVEL #1 EL. 286 FLOOR
SCA-9	CONCRETE PLAN SERVICE LEVEL EL. 296 CORE
SCA-10	CONCRETE PLAN SERVICE LEVEL EL. 296 FLOOR
SCA-11	CONCRETE PLAN FLOOR 1 EL. 310 CORE
SCA-12	CONCRETE PLAN FLOOR 1 EL. 310 FLOOR
SCA-13	CONCRETE PLAN INTERMEDIATE LEVEL
SCA-14	CONCRETE PLAN FLOOR 2 - CORE
SCA-15	CONCRETE PLAN FLOOR 2 - FLOOR
SCA-16	CONCRETE PLAN FLOORS 3-6 CORE
SCA-17	CONCRETE PLAN FLOOR 7 - CORE
SCA-18	CONCRETE PLAN FLOOR 7 - FLOOR
SCA-19	CONCRETE PLAN FLOOR 8 - CORE
SCA-20	CONCRETE PLAN FLOOR 9 - CORE
SCA-21	CONCRETE PLAN FLOOR 9 - FLOOR
SCA-22	UNASSIGNED
SCA-23	CONCRETE PLAN FLOORS 10-40 - FLOOR
SCA-24	CONCRETE PLAN FLOORS 10-16 - CORE
SCA-25	UNASSIGNED
SCA-26	UNASSIGNED
SCA-27	UNASSIGNED
SCA-28	UNASSIGNED
SCA-29	UNASSIGNED
SCA-30	CONCRETE PLAN FLOOR 17 - CORE
SCA-31	CONCRETE PLAN FLOOR 18 - CORE
SCA-32	CONCRETE PLAN FLOOR 19 - CORE
SCA-33	CONCRETE PLAN FLOOR 20 - CORE
SCA-34	CONCRETE PLAN FLOORS 21-23 CORES
SCA-35	UNASSIGNED
SCA-36	UNASSIGNED
SCA-37	CONCRETE PLAN FLOOR 24 - CORE
SCA-38	CONCRETE PLAN FLOOR 25 - CORE
SCA-39	CONCRETE PLAN FLOOR 26 - CORE
SCA-40	CONCRETE PLAN FLOOR 27 - CORE
SCA-41	CONCRETE PLAN FLOORS 28-31 CORE
SCA-42	UNASSIGNED
SCA-43	UNASSIGNED
SCA-44	UNASSIGNED
SCA-45	CONCRETE PLAN FLOOR 32 - CORE
SCA-46	CONCRETE PLAN FLOOR 33 - CORE
SCA-47	CONCRETE PLAN FLOOR 34 - CORE
SCA-48	CONCRETE PLAN FLOOR 35 CORE
SCA-49	CONCRETE PLAN FLOORS 36-40 CORE
SCA-50	UNASSIGNED
SCA-51	UNASSIGNED
SCA-52	UNASSIGNED

STRUCTURAL

DWG. No.	TITLE
SCA-53	UNASSIGNED
SCA-54	CONCRETE PLAN FLOOR 41 - CORE
SCA-55	CONCRETE PLAN FLOOR 41 - FLOOR
SCA-56	CONCRETE PLAN FLOOR 42 - CORE
SCA-57	CONCRETE PLAN FLOOR 43 - CORE
SCA-58	CONCRETE PLAN FLOOR 43 - FLOOR
SCA-59	CONCRETE PLAN FLOOR 44 - CORE
SCA-60	CONCRETE PLAN FLOOR 44 - FLOOR
SCA-61	CONCRETE PLAN FLOOR 45 - CORE
SCA-62	CONCRETE PLAN FLOOR 45 - FLOOR
SCA-63	CONCRETE PLAN FLOOR 46 - CORE
SCA-64	CONCRETE PLAN FLOOR 46-47-48 FLOOR
SCA-65	CONCRETE PLAN FLOOR 47 CORE
SCA-66	CONCRETE PLAN FLOOR 48 CORE
SCA-67	UNASSIGNED
SCA-68	CONCRETE PLAN FLOORS 49-74 FLOOR
SCA-69	CONCRETE PLAN FLOORS 49-58 CORE
SCA-70	UNASSIGNED
SCA-71	UNASSIGNED
SCA-72	UNASSIGNED
SCA-73	UNASSIGNED
SCA-74	CONCRETE PLAN FLOOR 54 CORE
SCA-75	CONCRETE PLAN FLOOR 55 - CORE
SCA-76	CONCRETE PLAN FLOOR 56 - CORE
SCA-77	CONCRETE PLAN FLOORS 57 & 58 CORE
SCA-78	UNASSIGNED
SCA-79	CONCRETE PLAN FLOOR 59 - CORE
SCA-80	CONCRETE PLAN FLOOR 60 - CORE
SCA-81	CONCRETE PLAN FLOOR 61 - CORE
SCA-82	CONCRETE PLAN FLOOR 62 - CORE
SCA-83	CONCRETE PLAN FLOOR 63 - CORE
SCA-84	CONCRETE PLAN FLOOR 64 - CORE
SCA-85	CONCRETE PLAN FLOOR 65 - CORE
SCA-86	CONCRETE PLAN FLOOR 66 CORE
SCA-87	CONCRETE PLAN FLOOR 67 CORE
SCA-88	CONCRETE PLAN FLOOR 68 CORE
SCA-89	CONCRETE PLAN FLOOR 69 CORE
SCA-90	CONCRETE PLAN FLOORS 70-73 CORE
SCA-91	UNASSIGNED
SCA-92	UNASSIGNED
SCA-93	UNASSIGNED
SCA-94	CONCRETE PLAN FLOOR 74 CORE
SCA-95	CONCRETE PLAN FLOOR 75 - CORE
SCA-96	CONCRETE PLAN FLOOR 75 - FLOOR
SCA-97	CONCRETE PLAN FLOOR 76 - CORE
SCA-98	CONCRETE PLAN FLOOR 77 - CORE
SCA-99	CONCRETE PLAN FLOOR 77 - FLOOR
SCA-100	CONCRETE PLAN FLOOR 78 - CORE
SCA-101	CONCRETE PLAN FLOOR 78 - FLOOR
SCA-102	CONCRETE PLAN FLOOR 79 CORE
SCA-103	CONCRETE PLAN FLOOR 79 FLOOR
SCA-104	CONCRETE PLAN FLOOR 80 CORE
SCA-105	CONCRETE PLAN FLOORS 80-81-82 FLOORS
SCA-106	CONCRETE PLAN FLOOR 81 CORE
SCA-107	CONCRETE PLAN FLOOR 82 CORE
SCA-108	UNASSIGNED
SCA-109	CONCRETE PLAN FLOORS 83-106 FLOOR
SCA-110	UNASSIGNED
SCA-111	CONCRETE PLAN FLOOR 83-CORE
SCA-112	CONCRETE PLAN FLOORS 84-86-CORE
SCA-113	UNASSIGNED
SCA-114	CONCRETE PLAN FLOOR 87 - CORE
SCA-115	CONCRETE PLAN FLOOR 88 - CORE
SCA-116	CONCRETE PLAN FLOORS 89-90-91 - CORE
SCA-117	UNASSIGNED
SCA-118	UNASSIGNED
SCA-119	CONCRETE PLAN FLOOR 92 CORE
SCA-120	CONCRETE PLAN FLOOR 93 CORE
SCA-121	CONCRETE PLAN FLOOR 94 - CORE
SCA-122	CONCRETE PLAN FLOOR 95 CORE
SCA-123	CONCRETE PLAN FLOORS 96-99 CORE
SCA-124	UNASSIGNED
SCA-125	UNASSIGNED
SCA-126	UNASSIGNED
SCA-127	CONCRETE PLAN FLOOR 100 CORE
SCA-128	CONCRETE PLAN FLOOR 101 CORE

STRUCTURAL

DWG. No.	TITLE
SCA-129	CONCRETE PLAN FLOOR 102 - CORE
SCA-130	CONCRETE PLAN FLOORS 103-104 CORE
SCA-131	UNASSIGNED
SCA-132	CONCRETE PLAN FLOOR 105 - CORE
SCA-133	CONCRETE PLAN FLOOR 106 - CORE
SCA-134	CONCRETE PLAN FLOOR 107 FLOOR
SCA-135	CONCRETE PLAN FLOOR 107 CORE
SCA-136	CONCRETE PLAN FLOOR 108 CORE
SCA-137	CONCRETE PLAN FLOOR 108 FLOOR
SCA-138	CONCRETE PLAN FLOOR 109 CORE
SCA-139	CONCRETE PLAN FLOOR 110 CORE
SCA-140	CONCRETE PLAN FLOOR 110 FLOOR
SCA-141	CONCRETE PLAN PENTHOUSE ROOF
SCA-142	CONCRETE PLANS SECONDARY LEVELS
SCA-143	CONCRETE PLANS SUB-STATIONS, ESCALATOR PITS
SCA-144	UNASSIGNED
SCA-145	CONCRETE PLAN EL 264, POST TENSION
SCA-146	CONCRETE PLAN PENTHOUSE ROOF LOWER LEVEL
SCA-147	CONCRETE PLAN PENTHOUSE ROOF UPPER LEVEL

DWG. No.	TITLE
DWG. BK-1	TOWERS A & B - EXTERIOR WALL TO EL. 363
DWG. BK-2	TOWERS A & B - EXTERIOR WALL TREES
DWG. BK-3	TOWERS A & B - CORE COLUMNS
DWG. BK-4	TOWERS A & B - EXTERIOR WALL ABOVE 9TH FLOOR
DWG. BK-5	TOWERS A & B - BEAM SCHEDULES
DWG. BK-6	TOWERS A & B - CONNECTION DETAILS
DWG. BK-7	TOWERS A & B - FLOOR PANELS
DWG. BK-8	TOWERS A & B AND BELOW GRADE - CONCRETE
DWG. BK-9	TOWERS A & B - 107TH FLOOR TO RH. ROOF
DWG. BK-10	BELOW GRADE COLUMNS
DWG. BK-11	BELOW GRADE TRUSSES
DWG. BK-12	BELOW GRADE BEAMS
DWG. BK-13	UNASSIGNED
DWG. BK-14	UNASSIGNED
DWG. BK-15	UNASSIGNED
DWG. BK-16	UNASSIGNED
DWG. BK-17	UNASSIGNED
DWG. BK-18	STRAP ANCHORS
DWG. BK-19	REVISIONS AFTER FABRICATION
DWG. BK-20	STRUCTURAL STEEL
DWG. BK-D	DAMPING UNITS

STRUCTURAL

DWG. No.	TITLE
S-A-B-156	STEEL DECK PLAN FLOOR - 7
S-A-B-157	STEEL DECK PLAN FLOOR - 9
S-A-B-158	STEEL DECK PLAN FLOORS - 21-40
S-A-B-159	STEEL DECK PLAN FLOOR - 41
S-A-B-160	STEEL DECK PLAN FLOOR - 42
S-A-B-161	STEEL DECK PLAN FLOOR - 43
S-A-B-162	STEEL DECK PLAN FLOOR - 44
S-A-B-163	STEEL DECK PLAN FLOORS - 46-49
S-A-B-164	STEEL DECK PLAN FLOORS - 50-56
S-A-B-165	STEEL DECK PLAN FLOORS - 57-62
S-A-B-166	STEEL DECK PLAN FLOORS - 63-66
S-A-B-167	STEEL DECK PLAN FLOORS - 67-70
S-A-B-168	STEEL DECK PLAN FLOORS - 71-74
S-A-B-169	STEEL DECK PLAN FLOORS - 75-78
S-A-B-170	STEEL DECK PLAN FLOOR - 78
S-A-B-171	STEEL DECK PLAN FLOOR - 77
S-A-B-172	STEEL DECK PLAN FLOORS - 78-79
S-A-B-173	STEEL DECK PLAN FLOORS - 80-81
S-A-B-174	STEEL DECK PLAN FLOORS - 82-83
S-A-B-175	STEEL DECK PLAN FLOORS - 84-89
S-A-B-176	STEEL DECK PLAN FLOORS - 90-94
S-A-B-177	STEEL DECK PLAN FLOORS - 95-101
S-A-B-178	STEEL DECK PLAN FLOORS - 102-106
S-A-B-179	STEEL DECK PLAN FLOOR - 107
S-A-B-180	STEEL DECK PLAN FLOOR - 108
S-A-B-181	STEEL DECK PLAN FLOOR - 110

CONTRACT NO. DRAWING NO. S-A-0-66

BULLETINS NOT DATED ARE AT THE PROGRESS OF DRAWINGS

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
5	9-15-76	A-805	L.L.
4	VOID	A-546	D.E.
3	6-17-76	A-5	L.L.
2	4-19-66	A-2	D.G.
1	3-18-66	A-1	V.V.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SCHEDULE OF DRAWINGS
STRUCTURAL

DRAWN		CHECKED	
SCALE	NONE	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-2		

SCHEDULE OF DRAWINGS

H.V.A.C DRAWINGS

DWG. No.	TITLE
	TITLE SHEET
M-A-1	DRAWING INDEX, SYMBOLS AND ABBREVIATIONS
M-A-2	SUB-LEVEL No 5 M.E.R.-LOWER LEVEL PLAN
M-A-3	SUB-LEVEL No 4 M.E.R.-UPPER LEVEL PLAN
M-A-4	SUB-LEVEL No 4 & 5 M.E.R. - SECTIONS
M-A-5	SUB-LEVEL No 4 & 5 M.E.R. - SECTIONS
M-A-6	UNASSIGNED
M-A-7	UNASSIGNED
M-A-8	UNASSIGNED
M-A-9	SUB-LEVEL No 3 - ELEV. 264 FLOOR PLAN
M-A-10	SUB-LEVEL No 2 - ELEV. 274 FLOOR PLAN
M-A-11	SUB-LEVEL No 1 ELEV. 284 FLOOR PLAN
M-A-12	SERVICE LEVEL - ELEV. 294 FLOOR PLAN
M-A-13	1ST FLOOR PLAN - CONCOURSE LEVEL
M-A-14	2ND FLOOR PLAN PLAZA LEVEL
M-A-15	3RD FLOOR PLAN
M-A-16	4TH FLOOR PLAN
M-A-17	5TH FLOOR PLAN
M-A-18	6TH FLOOR PLAN
M-A-19	7TH FLOOR M.E.R.-LOWER LEVEL PLAN
M-A-20	8TH FLOOR M.E.R.-UPPER LEVEL PLAN
M-A-21	7TH & 8TH FLOOR M.E.R.-SECTIONS
M-A-22	7TH & 8TH FLOOR M.E.R. SECTIONS
M-A-23	UNASSIGNED
M-A-24	UNASSIGNED
M-A-25	UNASSIGNED
M-A-26	9TH - 16TH FLOOR PLAN
M-A-27	17TH FLOOR PLAN
M-A-28	18TH FLOOR PLAN
M-A-29	19TH FLOOR PLAN
M-A-30	20TH - 23RD FLOOR PLAN
M-A-31	24TH FLOOR PLAN
M-A-32	25TH FLOOR PLAN
M-A-33	26TH FLOOR PLAN
M-A-34	27TH - 30TH FLOOR PLAN
M-A-35	31ST FLOOR PLAN
M-A-36	32ND FLOOR PLAN
M-A-37	33RD FLOOR PLAN
M-A-38	34TH FLOOR PLAN
M-A-39	35TH - 39TH FLOOR PLAN
M-A-40	40TH FLOOR PLAN
M-A-41	41ST FLOOR M.E.R.-LOWER LEVEL PLAN
M-A-42	42ND FLOOR M.E.R.-UPPER LEVEL PLAN
M-A-43	41ST & 42ND FLOOR M.E.R.-SECTIONS
M-A-44	41ST & 42ND FLOOR M.E.R.-SECTIONS
M-A-45	41ST & 42ND FLOOR M.E.R.-SECTIONS
M-A-46	UNASSIGNED
M-A-47	UNASSIGNED
M-A-48	43RD FLOOR PLAN
M-A-49	44TH FLOOR PLAN SKYLOBBY
M-A-50	45TH FLOOR PLAN
M-A-51	46TH FLOOR PLAN
M-A-52	47TH FLOOR PLAN
M-A-53	48TH FLOOR PLAN
M-A-54	49TH FLOOR PLAN
M-A-55	50TH - 54TH FLOOR PLAN
M-A-56	55TH FLOOR PLAN
M-A-57	56TH FLOOR PLAN
M-A-58	57TH FLOOR PLAN
M-A-59	58TH FLOOR PLAN
M-A-60	59TH FLOOR PLAN
M-A-61	60TH FLOOR PLAN
M-A-62	61ST FLOOR PLAN
M-A-63	62ND FLOOR PLAN
M-A-64	63RD FLOOR PLAN
M-A-65	64TH AND 65TH FLOOR PLAN
M-A-66	66TH FLOOR PLAN
M-A-67	67TH FLOOR PLAN
M-A-68	68TH FLOOR PLAN
M-A-69	69TH FLOOR PLAN
M-A-70	70TH - 72ND FLOOR PLAN
M-A-71	73RD FLOOR PLAN
M-A-72	74TH FLOOR PLAN
M-A-73	75TH FLOOR M.E.R. - LOWER LEVEL PLAN
M-A-74	76TH FLOOR M.E.R. - UPPER LEVEL PLAN
M-A-75	75TH & 76TH FLOOR M.E.R. - SECTIONS

H.V.A.C. DRAWINGS

DWG. No.	TITLE
M-A-76	75TH & 76TH FLOOR M.E.R. - SECTIONS
M-A-77	75TH & 76TH FLOOR M.E.R. - SECTIONS
M-A-78	UNASSIGNED
M-A-79	UNASSIGNED
M-A-80	77TH FLOOR PLAN
M-A-81	78TH FLOOR PLAN SKYLOBBY
M-A-82	79TH FLOOR PLAN
M-A-83	80TH FLOOR PLAN
M-A-84	81ST FLOOR PLAN
M-A-85	82ND FLOOR PLAN
M-A-86	83RD - 86TH FLOOR PLAN
M-A-87	87TH FLOOR PLAN
M-A-88	88TH FLOOR PLAN
M-A-89	89TH AND 90TH FLOOR PLAN
M-A-90	91ST FLOOR PLAN
M-A-91	92ND FLOOR PLAN
M-A-92	93RD FLOOR PLAN
M-A-93	94TH FLOOR PLAN
M-A-94	95TH FLOOR PLAN
M-A-95	96TH - 99TH FLOOR PLAN
M-A-96	100TH FLOOR PLAN
M-A-97	101ST FLOOR PLAN
M-A-98	102ND FLOOR PLAN
M-A-99	103RD FLOOR PLAN
M-A-100	104TH FLOOR PLAN
M-A-101	105TH FLOOR PLAN
M-A-102	106TH FLOOR PLAN
M-A-103	107TH FLOOR PLAN
M-A-104	108TH FLOOR M.E.R. - LOWER LEVEL PLAN
M-A-105	109TH FLOOR M.E.R. - UPPER LEVEL PLAN
M-A-106	108TH & 109TH FLOOR M.E.R. - SECTIONS
M-A-107	108TH & 109 FLOOR M.E.R. - SECTIONS
M-A-108	UNASSIGNED
M-A-109	UNASSIGNED
M-A-110	UNASSIGNED
M-A-111	110TH FLOOR PLAN
M-A-112	MAIN LOBBY - SECTIONS AND DETAILS
M-A-113	MAIN LOBBY - SECTIONS AND DETAILS
M-A-114	UNASSIGNED
M-A-115	UNASSIGNED
M-A-116	RISER DIAG. EXTERIOR WALL SHAFTS SUB-LEVEL 4 - 7TH FLOOR
M-A-117	RISER DIAG INTERIOR CORE SHAFTS SUB-LEVEL 4 - 7TH FLOOR
M-A-118	RISER DIAGRAM - NORTH CORE SHAFTS -9TH - 41ST FLOORS
M-A-119	RISER DIAGRAM - SOUTH CORE SHAFTS -9TH - 41ST FLOORS
M-A-120	RISER DIAGRAM - INTERIOR CORE SHAFTS 9TH - 41ST FLOORS
M-A-121	RISER DIAGRAM - NORTH CORE SHAFTS -43RD - 75TH FLOORS
M-A-122	RISER DIAGRAM - SOUTH CORE SHAFTS -43RD - 75TH FLOORS
M-A-123	RISER DIAGRAM - INTERIOR CORE SHAFT- 43RD - 75TH FLOORS
M-A-124	RISER DIAGRAM - NORTH CORE SHAFTS -77TH - 108TH FLOORS
M-A-125	RISER DIAGRAM - SOUTH CORE SHAFTS -77TH - 108TH FLOORS
M-A-126	RISER DIAGRAM - INTERIOR CORE SHAFTS -77TH - 108TH FLOORS
M-A-127	RISER DIAG. - WEST ZONE PERIPHERAL AIR & WATER 9TH - 41ST FLS.
M-A-128	RISER DIAG - NORTH ZONE PERIPHERAL AIR & WATER 9TH - 41ST FLS.
M-A-129	RISER DIAG. EAST ZONE PERIPHERAL AIR & WATER 9TH - 41ST FLS.
M-A-130	RISER DIAG. SOUTH ZONE PERIPHERAL AIR & WATER 9TH - 41ST FLS.
M-A-131	RISER DIAG WEST ZONE PERIPHERAL AIR & WATER 43RD - 75TH FLS.
M-A-132	RISER DIAG NORTH ZONE PERIPHERAL AIR & WATER 43RD - 75TH FLS.
M-A-133	RISER DIAG. EAST ZONE PERIPHERAL AIR & WATER 43RD - 75TH FLS.
M-A-134	RISER DIAG. SOUTH ZONE PERIPHERAL AIR & WATER 43RD - 75TH FLS.
M-A-135	RISER DIAG. WEST ZONE PERIPHERAL AIR & WATER 77TH - 108TH FLS.
M-A-136	RISER DIAG. NORTH ZONE PERIPHERAL AIR & WATER 77TH - 108TH FLS.
M-A-137	RISER DIAG. EAST ZONE PERIPHERAL AIR & WATER 77TH - 108TH FLS.
M-A-138	RISER DIAG. SOUTH ZONE PERIPHERAL AIR & WATER 77TH - 108TH FLS.
M-A-139	EQUIPMENT SCHEDULE SHEET No. 1
M-A-140	EQUIPMENT SCHEDULE SHEET No. 2
M-A-141	EQUIPMENT SCHEDULE SHEET No. 3
M-A-142	EQUIPMENT SCHEDULE SHEET No. 4
M-A-143	EQUIPMENT SCHEDULE SHEET No. 5
M-A-144	EQUIPMENT SCHEDULE SHEET No. 6
M-A-145	EQUIPMENT SCHEDULE SHEET No. 7
M-A-146	EQUIPMENT SCHEDULE SHEET No. 8
M-A-147	EQUIPMENT SCHEDULE SHEET No. 9
M-A-148	EQUIPMENT SCHEDULE SHEET No. 10
M-A-149	EQUIPMENT SCHEDULE SHEET No. 11
M-A-150	MOTOR CONTROL CENTER SCHEDULE NO. 1 6TH LEVEL NO. 5 M.E.R.
M-A-151	MOTOR CONTROL CENTER SCHEDULE NO. 2 7TH FLOOR M.E.R.

H.V.A.C. DRAWINGS

DWG. No.	TITLE
M-A-152	MOTOR CONTROL CENTER SCHEDULE NO. 3 41ST FLOOR M.E.R.
M-A-153	MOTOR CONTROL CENTER SCHEDULE NO. 4 75TH FLOOR M.E.R.
M-A-154	MOTOR CONTROL CENTER SCHEDULE NO. 5 108TH FLOOR M.E.R.
M-A-155	DETAIL SHEET NO. 1
M-A-156	DETAIL SHEET NO. 2
M-A-157	DETAIL SHEET NO. 3
M-A-158	DETAIL SHEET NO. 4

PLUMBING DRAWINGS

DWG. No.	TITLE
	TITLE SHEET
P-A-1	DRAWING INDEX, GENERAL NOTES, SYMBOLS & FIXTURE CONNECTION SCHEDULE
P-A-2	SUB-LEVEL No. 5 M.E.R. - LOWER LEVEL PLAN EL 242
P-A-3	SUB-LEVEL No. 5 M.E.R. - UPPER LEVEL PLAN EL 253
P-A-4	UNASSIGNED
P-A-5	SUB-LEVEL No 3 - ELEV. 264 FLOOR PLAN -
P-A-6	SUB-LEVEL No. 2 - ELEV. 274 FLOOR PLAN
P-A-7	SUB-LEVEL No 1 - ELEV. 284 FLOOR PLAN
P-A-8	SERVICE LEVEL - ELEV. 294 FLOOR PLAN
P-A-9	1ST FLOOR PLAN - CONCOURSE LEVEL
P-A-10	2ND FLOOR PLAN - PLAZA LEVEL
P-A-11	3RD FLOOR PLAN
P-A-12	4TH FLOOR PLAN
P-A-13	5TH FLOOR PLAN
P-A-14	6TH FLOOR PLAN
P-A-15	7TH FLOOR M.E.R. LOWER LEVEL PLAN
P-A-16	8TH FLOOR M.E.R. UPPER LEVEL PLAN
P-A-17	UNASSIGNED
P-A-18	9TH - 18TH FLOOR PLAN
P-A-19	19TH FLOOR PLAN
P-A-20	20TH - 24TH FLOOR PLAN
P-A-21	25TH AND 26TH FLOOR PLAN
P-A-22	27TH - 32ND FLOOR PLAN
P-A-23	33RD AND 34TH FLOOR PLAN
P-A-24	35TH - 40TH FLOOR PLAN
P-A-25	41ST FLOOR M.E.R. LOWER LEVEL PLAN
P-A-26	42ND FLOOR M.E.R. UPPER LEVEL PLAN
P-A-27	UNASSIGNED
P-A-28	UNASSIGNED
P-A-29	43RD FLOOR PLAN
P-A-30	44TH FLOOR PLAN - SKYLOBBY
P-A-31	45TH FLOOR PLAN
P-A-32	46TH FLOOR PLAN
P-A-33	47TH FLOOR PLAN
P-A-34	48TH FLOOR PLAN
P-A-35	49TH - 54TH FLOOR PLAN
P-A-36	55TH FLOOR PLAN
P-A-37	59TH FLOOR PLAN
P-A-38	60TH AND 61ST FLOOR PLAN
P-A-39	62ND AND 63RD FLOOR PLAN
P-A-40	64TH - 66TH FLOOR PLAN
P-A-41	67TH FLOOR PLAN
P-A-42	74TH FLOOR PLAN
P-A-43	75TH FLOOR M.E.R. - LOWER LEVEL PLAN
P-A-44	76TH FLOOR M.E.R. UPPER LEVEL PLAN
P-A-45	UNASSIGNED
P-A-46	UNASSIGNED
P-A-47	77TH FLOOR PLAN
P-A-48	78TH FLOOR PLAN - SKYLOBBY
P-A-49	79TH FLOOR PLAN
P-A-50	80TH AND 81ST FLOOR PLAN
P-A-51	82ND FLOOR PLAN
P-A-52	83RD - 86TH FLOOR PLAN
P-A-53	87TH - 92ND FLOOR PLAN
P-A-54	93RD FLOOR PLAN
P-A-55	94TH - 108TH FLOOR PLAN
P-A-56	103RD - 106TH FLOOR PLAN
P-A-57	107TH FLOOR PLAN
P-A-58	108TH FLOOR M.E.R. LOWER LEVEL PLAN
P-A-59	109TH FLOOR M.E.R. UPPER LEVEL PLAN
P-A-60	110TH FLOOR PLAN
P-A-61	BULKHEAD ROOF & COPING PLAN
P-A-62	UNASSIGNED

PLUMBING DRAWINGS

DWG. No.	TITLE
P-A-63	UNASSIGNED
P-A-64	DETAIL SHEET No. 1
P-A-65	DETAIL SHEET No. 2
P-A-66	DETAIL SHEET No. 3
P-A-67	DETAIL SHEET No. 4
P-A-68	DETAIL SHEET No. 5
P-A-69	DETAIL SHEET No. 6
P-A-70	DETAIL SHEET No 7
P-A-71	DETAIL SHEET No. 8
P-A-72	DETAIL SHEET No. 9
P-A-73	DETAIL SHEET No. 10
P-A-74	DETAIL SHEET No. 11
P-A-75	SANITARY WATER AND F&P-SUB-LEVEL RISER DIAG.
P-A-76	SANITARY RISER DIAGRAM SHEET No. 1
P-A-77	SANITARY RISER DIAGRAM SHEET No 2
P-A-78	SANITARY RISER DIAGRAM SHEET No. 3
P-A-79	SANITARY RISER DIAGRAM SHEET No 4
P-A-80	SANITARY RISER DIAGRAM SHEET No 5
P-A-81	SANITARY RISER DIAGRAM SHEET No G
P-A-82	WATER RISER DIAGRAM SHEET No. 1
P-A-83	WATER RISER DIAGRAM SHEET No. 2
P-A-84	WATER RISER DIAGRAM SHEET No. 3
P-A-85	WATER RISER DIAGRAM SHEET No. 4
P-A-86	WATER RISER DIAGRAM SHEET No. 5
P-A-87	WATER RISER DIAGRAM SHEET No. G
P-A-88	LEADER, AND F&P RISER DIAGRAM SHEET No. 1
P-A-89	LEADER, AND F&P RISER DIAGRAM SHEET No. 2
P-A-90	LEADER, AND F&P RISER DIAGRAM SHEET No 3
P-A-91	LEADER, AND F&P RISER DIAGRAM SHEET No. 4
P-A-92	LEADER, AND F&P RISER DIAGRAM SHEET No 5
P-A-93	LEADER, AND F&P RISER DIAGRAM SHEET No. G
P-A-94	PLUMBING EQUIPMENT SCHEDULE SHEET No 1
P-A-95	PLUMBING EQUIPMENT SCHEDULE SHEET No. 2
P-A-96	UNASSIGNED
P-A-97	UNASSIGNED

ELEVATOR DRAWINGS

DWG. No.	TITLE
	TITLE SHEET
L-A-1	DRAWING INDEX
L-A-2	ZONE I - PIT PLANS - BANKS A-B-C-D - SHUTTLE & FREIGHT ELEV.
L-A-3	ZONE I - RISER - BANKS A-B - SECONDARY & MACHINE RM. PLANS
L-A-4	ZONE I - RISER - BANKS C-D - SECONDARY & MACHINE RM. PLANS
L-A-5	ZONE I - ELEVATIONS BANKS A-B-C-D
L-A-6	ZONE II - PIT PLANS - BANKS A-B-C-D
L-A-7	ZONE II - RISER - BANKS - A B - SECONDARY & MACHINE RM. PLANS
L-A-8	ZONE II - RISER - BANKS C-D - SECONDARY & MACHINE RM. PLANS
L-A-9	ZONE II - ELEVATION - BANKS A-B-C-D
L-A-10	ZONE III - PIT PLANS - BANKS - A-B-C-D
L-A-11	ZONE III - RISER - BANKS A-D - SECONDARY & MACHINE RM. PLANS
L-A-12	ZONE III - RISER - BANKS B-C - SECONDARY & MACHINE RM. PLANS
L-A-13	ZONE III - ELEVATIONS - BANKS A-B-C-D
L-A-14	FREIGHT ELEVATORS - "A6-49-50 - ELEVATIONS - SEC. & MACH. RM. PLANS
L-A-15	SHUTTLE ELEVATORS Nos 1-11 - HOISTWAY PLANS
L-A-16	SHUTTLE ELEVATORS M.R. ROOMS
L-A-17	ZONE II SHUTTLE ELEVATORS - SECONDARY LEVEL F.E. "99 ELEVATION - SECONDARY LEVEL - "G-7 - F.E. "50
L-A-18	ZONE II - SHUTTLE ELEVATORS - MACHINE ROOM F.E. "99 MACHINE ROOM - F.E. "50 MACHINE ROOM
L-A-19	SHUTTLE ELEVATORS Nos 12-23 - HOISTWAY PLANS
L-A-20	ZONE III SHUTTLE ELEVATORS - SECONDARY LEVEL
L-A-21	ZONE III SHUTTLE ELEVATORS - MACHINE ROOM
L-A-22	ZONE II-III - SHUTTLE ELEVATOR ELEVATIONS
L-A-23	SHUTTLE AND FREIGHT ELEVATORS: RISER & PIT PLAN
L-A-24	TOWER ESCALATOR, NO. A-B THRU A-10 & DETAILS
L-A-25	TOWER ESCALATOR, No. A-1 & A-2
L-A-26	TOWER ESCALATOR, PIT PLAN

ELECTRICAL DRAWINGS

DWG. No.	TITLE
	TITLE SHEET
E-A-1	DRAWING INDEX AND SYMBOL LIST
E-A-2	LIGHTING AND POWER - SUB-LEVEL No. 5 - ELEV. 242 M.E.R.
E-A-3	LIGHTING AND POWER - SUB-LEVEL No. 4 - ELEV. 253 M.E.R.
E-A-4	LIGHTING AND POWER - SUB-LEVEL No 3 - ELEV. 264
E-A-5	LIGHTING AND POWER - SUB-LEVEL No. 2 - ELEV. 274
E-A-6	LIGHTING AND POWER - SUB-LEVEL No. 1 - ELEV. 284
E-A-7	LIGHTING AND POWER - SERVICE LEVEL - ELEV. 294
E-A-8	LIGHTING AND POWER - 1ST FLOOR - CONCOURSE
E-A-9	LIGHTING AND POWER - 2ND FLOOR - PLAZA
E-A-10	LIGHTING AND POWER - 3RD - 5TH FLOORS
E-A-11	LIGHTING AND POWER - 6TH FLOOR
E-A-12	LIGHTING AND POWER - 7TH FLOOR M.E.R.
E-A-13	LIGHTING AND POWER - 8TH FLOOR M.E.R.
E-A-14	UNASSIGNED
E-A-15	UNASSIGNED
E-A-16	LIGHTING AND POWER - 9TH - 16TH FLOORS
E-A-17	LIGHTING AND POWER - 17TH AND 18TH FLOORS B
E-A-18	LIGHTING AND POWER - 19TH - 24TH FLOORS
E-A-19	LIGHTING AND POWER - 25TH AND 26TH FLOORS
E-A-20	LIGHTING AND POWER - 27TH - 32ND FLOORS
E-A-21	LIGHTING AND POWER - 33RD AND 34TH FLOORS
E-A-22	LIGHTING AND POWER - 35TH - 40TH FLOORS
E-A-23	LIGHTING AND POWER - 41ST FLOOR M.E.R.
E-A-24	LIGHTING AND POWER - 42ND FLOOR M.E.R.
E-A-25	UNASSIGNED
E-A-26	UNASSIGNED
E-A-27	LIGHTING AND POWER - 43RD FLOOR
E-A-28	LIGHTING AND POWER - 44TH FLOOR - SKYLOBBY
E-A-29	LIGHTING AND POWER - 45TH FLOOR
E-A-30	LIGHTING AND POWER - 46TH FLOOR
E-A-31	LIGHTING AND POWER - 47TH FLOOR
E-A-32	LIGHTING AND POWER 48TH FLOOR
E-A-33	LIGHTING AND POWER 49TH FLOOR
E-A-34	LIGHTING AND POWER 50TH - 54TH FLOORS
E-A-35	LIGHTING AND POWER 55TH AND 56TH FLOORS
E-A-36	LIGHTING AND POWER - 57TH AND 58TH, 60TH AND 61ST FLS
E-A-37	LIGHTING AND POWER - 59TH FLOOR
E-A-38	LIGHTING AND POWER - 62ND AND 63RD FLOORS
E-A-39	LIGHTING AND POWER - 64TH - 66TH FLOORS
E-A-40	LIGHTING AND POWER - 67TH FLOOR
E-A-41	LIGHTING AND POWER - 68TH AND 69TH FLOORS
E-A-42	LIGHTING AND POWER - 70TH - 73RD FLOORS
E-A-43	LIGHTING AND POWER - 74TH FLOOR
E-A-44	LIGHTING AND POWER - 75TH FLOOR M.E.R.
E-A-45	LIGHTING AND POWER - 76TH FLOOR M.E.R.
E-A-46	UNASSIGNED
E-A-47	UNASSIGNED
E-A-48	LIGHTING AND POWER - 77TH FLOOR
E-A-49	LIGHTING AND POWER - 78TH FLOOR
E-A-50	LIGHTING AND POWER - 79TH FLOOR
E-A-51	LIGHTING AND POWER - 80TH FLOOR
E-A-52	LIGHTING AND POWER - 81ST FLOOR
E-A-53	LIGHTING AND POWER - 82ND FLOOR
E-A-54	LIGHTING AND POWER - 83RD FLOOR
E-A-55	LIGHTING AND POWER - 84TH - 86TH FLOORS
E-A-56	LIGHTING AND POWER - 87TH AND 88TH FLOORS
E-A-57	LIGHTING AND POWER - 89TH - 93RD FLOORS
E-A-58	LIGHTING AND POWER - 94TH AND 95TH FLOORS
E-A-59	LIGHTING AND POWER - 96TH - 100TH FLOORS
E-A-60	LIGHTING AND POWER - 101ST AND 102ND FLOORS
E-A-61	LIGHTING AND POWER - 103RD FLOOR
E-A-62	LIGHTING AND POWER - 104TH FLOOR
E-A-63	LIGHTING AND POWER - 105TH FLOOR
E-A-63A	LIGHTING AND POWER - 106TH FLOOR
E-A-64	LIGHTING AND POWER - 107TH FLOOR RESTAURANT
E-A-65	LIGHTING AND POWER - 108TH FLOOR M.E.R.
E-A-66	LIGHTING AND POWER - 109TH FLOOR M.E.R.
E-A-67	LIGHTING AND POWER - 110TH FLOOR
E-A-68	ROOF AND BULKHEAD PLAN
E-A-69	UNASSIGNED
E-A-70	UNASSIGNED
E-A-71	UNASSIGNED
E-A-72	SUB-STATION 55-P4 - SERVICE LEVEL ELEV. 294'-0"
E-A-73	SUB-STATION 55-7N - 7TH FLOOR NORTH
E-A-74	SUB-STATION 55-7S - 7TH FLOOR SOUTH
E-A-75	SUB-STATION 55-41N - 41ST FLOOR NORTH

ELECTRICAL DRAWINGS

DWG. No.	TITLE
E-A-76	SUB-STATION 55-41S - 41ST FLOOR SOUTH
E-A-77	SUB-STATION 55-75N - 75TH FLOOR NORTH
E-A-78	SUB-STATION 55-75S - 75TH FLOOR SOUTH
E-A-79	SUB-STATION 55-108N - 108TH FLOOR NORTH
E-A-80	SUB-STATION 55-108S - 108TH FLOOR SOUTH
E-A-81	UNASSIGNED
E-A-82	UNASSIGNED
E-A-83	ELECTRIC CLOSET PLANS AND SECTIONS - GENERAL -
E-A-84	ELECTRIC CLOSET - PLANS AND SECTIONS - 48TH TO 64TH FLS (NORTH)
E-A-85	ELECTRIC CLOSET - PLANS AND SECTIONS - 106TH TO 108TH FLS (SOUTH)
E-A-86	ELECTRIC CLOSET PLAN - CLOSET 'C'
E-A-87	UNASSIGNED
E-A-88	UNASSIGNED
E-A-89	LIGHT AND POWER RISER DIAG - SUB-LEVEL No. 5 - 24TH FLOOR
E-A-90	LIGHT AND POWER RISER DIAG - 25TH - 58TH FLOORS
E-A-91	LIGHT AND POWER RISER DIAG - 59TH - 92ND FLOORS
E-A-92	LIGHT AND POWER RISER DIAG - 93RD - 110TH FLOORS
E-A-93	ANTI-INTRUSION ALARM AND TENANT LIGHTING CONTROL RISER DIAGRAM AND DETAILS
E-A-94	EMERG. LTG. AND RECEPT. RISER DIA. - SUB-LEVEL No. 5 - 24TH FLS.
E-A-95	EMERG. LTG AND RECEPT. RISER DIA. - 25TH - 58TH FLOORS
E-A-96	EMERG. LTG AND RECEPT. RISER DIA. - 59TH - 92ND FLOORS
E-A-97	EMERG. LTG AND RECEPT. RISER DIA. - 93RD - 110TH FLOORS
E-A-98	FIRE COMMUNICATION SYSTEM RISER DIAGRAM
E-A-99	EMERG. POWER, CENTER & TRANSFER SWITCH SCHEDULES & WIRING DIAGS.
E-A-100	ELEVATOR DISTRIBUTION PANEL SCHEDULES & ELEVATIONS
E-A-101	UNASSIGNED
E-A-102	UNASSIGNED
E-A-103	UNASSIGNED
E-A-104	MOTOR CONTROL CENTER SCHEDULES - SUB-LEVEL No. 5 & 7TH FL.
E-A-105	MOTOR CONTROL CENTER SCHEDULES - 41ST AND 75TH FLOORS
E-A-106	MOTOR CONTROL CENTER SCHEDULES - 75TH AND 108TH FLOORS
E-A-107	MOTOR, FIRE STANDPIPE AND SMOKE DETECTOR SYSTEM WIRING DIAGRAMS AND SCHEDULES
E-A-108	UNASSIGNED
E-A-109	LIGHTING AND RECEPT. PANEL SCHEDULES - 9TH - 24TH FLS.
E-A-110	LIGHTING AND RECEPT. PANEL SCHEDULES - 25TH - 40TH FLS.
E-A-81	LIGHTING AND RECEPT. PANEL SCHEDULES - 43RD - 58TH FLS.
E-A-112	LIGHTING AND RECEPT. PANEL SCHEDULES - 59TH - 74TH FLS.
E-A-113	LIGHTING AND RECEPT. PANEL SCHEDULES - 77TH - 92ND FLS.
E-A-114	LIGHTING AND RECEPT. PANEL SCHEDULES - 93RD - 107TH FLS.
E-A-115	E.M.E.R.O. AND HOUSE LIGHTING AND RECEPTACLE PANEL SCHEDULES
E-A-116	UNASSIGNED
E-A-87	UNASSIGNED
E-A-118	LIGHTING PANEL REMOTE CONTROL SYSTEM DIAGRAMS
E-A-119	LIGHTING PROTECTION SYSTEM DETAILS
E-A-120	GROUNDING SYSTEM DIAGRAM & DETAILS
E-A-121	FLOOR SYSTEM DETAILS - HEADER DUCTS & ACCESS OPENINGS
E-A-122	FLOOR SYSTEM DETAILS - HEADER DUCTS & ACCESS OPENINGS
E-A-123	FLOOR SYSTEM DETAILS - SERVICE FITTINGS
E-A-124	ALTERNATE 'B' CELL WIRING SYSTEM PERSPECTIVE VIEW AND ASSEMBLY DRAWING
E-A-125	ALTERNATE 'B' CELL WIRING SYSTEM WIRING DEVICE AND FITTING DETAILS
E-A-126	PRIMARY FEEDER, SPLICE DETAILS
E-A-127	PULL & SPLICE CABINET AND CABLE SUPPORT DETAILS
E-A-128	PULL & SPLICE CABINET & PRIMARY CONDUIT RISER ELEVATION
E-A-129	UNASSIGNED
E-A-130	MISCELLANEOUS DETAILS
E-A-131	PANEL BOARD - BUS DUCT & OUTLET BOX SUPPORT DETAILS FOR 6YR PLANK
E-A-132	TEMPORARY PAGING AND LIGHTING AND POWER RISER DIAGRAM SUB-LEVEL No 4 - 7TH FLOOR
E-A-133	TEMPORARY PAGING AND LIGHTING AND POWER RISER DIAGRAM 8TH - 24TH FLOORS
E-A-134	TEMPORARY PAGING AND LIGHTING AND POWER RISER DIAGRAM 25TH - 42ND FLOORS
E-A-135	TEMPORARY PAGING AND LIGHTING AND POWER RISER DIAGRAM 43RD - 110TH FLOORS
E-X-1	PLAN OF HORIZONTAL TELEPHONE AND PRIMARY DISTRIBUTION & TEMPORARY SERVICE DISTRIBUTION - ELEVATION 280'-0" & SECTION 'J'
E-X-2	PLAN OF HORIZONTAL TELEPHONE AND PRIMARY DISTRIBUTION & TEMPORARY SERVICE DISTRIBUTION ELEVATION 280'-0" & SECTION 'K'
E-X-3	PRIMARY DISTRIBUTION - CENTER PLAN, ELEVATIONS AND SCHEDULES
E-X-4	PRIMARY SERVICE AND DISTRIBUTION SECTIONS AND DETAILS
E-X-5	TEMPORARY SERVICE VAULT AND SWITCHBOARD SCHEDULE
E-X-6	PLAN OF LIGHTNING PROTECTION AND GROUNDING SYSTEM AT ELEVATION 280'-0"
E-X-7	13 K.V. SERVICE AND DISTRIBUTION SYSTEM RISER DIAGRAM
E-X-8	SINGLE LINE DIAGRAM - PLAZA
E-X-9	SINGLE LINE DIAGRAM - TOWER 'A'
E-X-9A	SINGLE LINE DIAGRAM - TOWER 'B'
E-X-10	EMERGENCY SINGLE LINE DIAGRAM
E-X-11	DETAIL OF FIRE PUMP CONTROL STATION, TRANSFER SWITCH CONTROL PANEL & EMERGENCY CONTROL SYSTEM RISER DIAGRAM
E-X-12	UNASSIGNED
E-X-13	UNASSIGNED

CONTRACT BID DRAWING date 8-9-66

BULLETINS NOT DATED ARE OF THE PROCESS OF COMPLETION

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
A	9-28-76	A-165	L.J.
B	VOID	A-166	L.J.
C	11-6-70	A-68	L.J.
D	6-15-68	A-5	C.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SCHEDULE OF DRAWINGS
MECHANICAL TRADES

DRAWN		CHECKED	
SCALE	NONE	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-3		

FINISH SCHEDULE

ZONE	LOCATION: SPACE	LOCATION: FLOOR	FLOOR: FINISH	BASE: FINISH	WALLS: MATERIAL	WALLS: FINISH	CEILING: MATERIAL	CEILING: FINISH	REMARKS
			Portland Cement Concrete; Vinyl Asbestos Tile; Ceramic Tile; Terrazzo; Carpeting; Synthetic Surface	Cement; Rubber; Terrazzo; Wood; Marble; Painted; Vinyl; Ceramic Tile; Synthetic Base	Masonry; Face Brick; Glazed Face Brick; Ceramic Tile; Gypsum Plank; Gypsum Board; Metal Curtain Wall; Marble; Wood; Plaster; Vinyl Clad	Painted; Vinyl Covering; Unfurnished; Glazed Ceramic Tile; Cement Plaster	Acoustic Tile; Metal Pan; Plaster; Concrete; Steel Deck; Spray-on F.P.; Luminous Ceil.	Painted; Unfurnished	
	CELLAR STAIR #3	SUB-LEVEL #2 EL. 668'-0"	•						8 SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILING
	CORRIDOR	"	•						
	ELECTRIC CLOSET 'C'	"	•						8 SEE PLANS FOR EXTENT OF PARGING
	CLOSET	"	•						
	A.C. TRANSFER PLENUM	"	•						8 ALL AC PLR WALLS TO RECEIVE MIN THRU WATERPROOFING SEE P.R. SPECIFICATIONS SHAPE AND DETAILS FOR EXTENT OF WATERPROOFING
	MECHANICAL EQUIPMENT ROOM	"	•						
	PITS BELOW 242'-0" SLAB	"	•						
	STAIRS #J-4 AND #K-1 AND VESTIBULES	"	•						
	CELLAR STAIR #3	SUB-LEVEL #2 EL. 671'-0"	•						
	A.C. SHAFT	"	•						8 SEE PLANS FOR EXTENT OF PARGING
	STAIRS #J-4 AND #K-1 AND VESTIBULES	"	•						
	ELECTRIC CLOSET 'C'	"	•						
	CELLAR STAIR #3	SUB-LEVEL #3 EL. 654'-0"	•						
	CORRIDOR	"	•						
	ELECTRIC CLOSET 'C'	"	•						
	TENANT STORAGE	"	•						
	A.C. TRANSFER PLENUM	"	•						8 SEE PLANS FOR EXTENT OF PARGING
	A.C. FAN ROOMS	"	•						
	A.C. PLENUMS	"	•						8 SEE PLANS FOR EXTENT OF PARGING
	ELEVATOR PITS	"	•						
	STAIRS #J-4 AND #K-1 AND VESTIBULES	"	•						
	JANITOR'S CLOSET	"	•						
	MEN'S TOILET AND WOMEN'S TOILET	2ND FLOOR							
	VESTIBULES (MENS AND WOMEN'S TOILETS)	"	•						
	CELLAR STAIR #3	SUB-LEVEL #4 EL. 636'-0"	•						
	CORRIDOR	"	•						
	ELECTRIC CLOSET 'C'	"	•						
	TENANT STORAGE	"	•						
	A.C. TRANSFER PLENUM	"	•						
	A.C. PLENUMS	"	•						
	ELEVATOR PITS	"	•						
	STAIRS #J-4 AND #K-1 AND VESTIBULES	"	•						
	JANITOR'S CLOSET	"	•						
	CLOSET	"	•						
	CELLAR STAIR #3	SUB-LEVEL #1 EL. 695'-0"	•						
	CORRIDOR	"	•						
	ELECTRIC CLOSET 'C'	"	•						
	STORAGE	"	•						
	PUMP ROOM	"	•						
	UNASSIGNED SPACE #1	"	•						
	TELEPHONE CLOSET N.W. & S.E.	"	•						
	ELEVATOR PITS	"	•						
	A.C. TRANSFER PLENUM	"	•						
	TELEPHONE SPLICE ROOM	"	•						
	UNASSIGNED SPACE #2	"	•						
	STAIR #J-4 AND #K-1 VESTIBULES	"	•						
	JANITORS CLOSET	"	•						
	VESTIBULE (MAKING TO QUADRANT #2)	"	•						
	ELECTRIC CLOSETS "E" & "W"	6TH FLOOR							
	UNASSIGNED SPACE	1ST TO 6TH FLOORS							
	LOADING PLATFORM	SERVICE LEVEL EL. 696'-0"							
	CELLAR STAIR #3	SERVICE LEVEL EL. 696'-0"							
	CONDUIT COORDINATOR ROOM	"	•						
	VESTIBULES	"	•						
	ELEC. CLOSET 'C'	"	•						
	PUMP ROOM	"	•						
	ELECTRIC SUB-STATION	"	•						
	ELEVATOR AND STORAGE	"	•						
	U.S. MAIL ROOM	"	•						
	A.C. TRANSFER PLENUM	"	•						8 HEAVY DUTY INDUSTRIAL TYPE VINYL ASBESTOS FLOORING
	JANITORIAL OFFICE AREA	"	•						8 SEE PLANS FOR EXTENT OF PARGING
	PRIMARY PULL CHAMBER	"	•						
	LOADING DOCK VEST.	"	•						
	ELEVATOR PITS	"	•						
	WOMEN'S TOILET	"	•						
	VEST (WOMEN'S TOILET)	"	•						
	MEN'S TOILET	"	•						
	VEST (MEN'S TOILET)	"	•						
	AIR LOCK	"	•						
	CLOSETS	"	•						
	UNASSIGNED SPACE #2	"	•						
	STAIRS #J-4 AND #K-1 AND VESTIBULES	"	•						
	JANITOR CLOSET	"	•						
	TELEPHONE CLOSETS N.W. & S.E.	"	•						
	A.C. FAN ROOM	"	•						
	DUCT TRANSFER SPACE	"	•						
	STAIR #3	1ST FLOOR CONCOURSE LEVEL							
	CELLAR STAIR #3	1ST FLOOR CONCOURSE LEVEL							
	ELECTRIC CLOSET 'C'	1ST TO 6TH	•						
	STEAM SHAFT	2ND FLOOR CONCOURSE LEVEL							
	SERVICE ROOM	"	•						
	ELEVATOR LOBBIES	"	•						
	LOBBY	"	•						
	TELEPHONE CLOSET 'S'	1ST TO 6TH FLOORS							
	JANITORIAL & BUILDING STORAGE	2ND FLOOR							
	JANITOR'S CLOSET	1ST TO 6TH FLOOR							
	STAIRS # 1-2-3	2ND TO 6TH FLOORS							
	STAIR VESTIBULES	"	•						
	CLOSET	3RD TO 6TH FLOORS							
	CORRIDORS	2ND TO 6TH FLOORS							
	BALCONY	2ND FL. ONLY							
	STORAGE-JAN. STORAGE-BUILDING STORAGE	2ND TO 6TH FLOORS							
	SERVICE LOBBY	6TH FL. ONLY							
	MEN'S TOILET AND WOMEN'S TOILETS	3RD TO 6TH FLOORS							
	MAIL ROOM	6TH FL. ONLY							
	MEN'S AND WOMEN'S LOCKER ROOMS	3RD TO 6TH FLOORS							
	VESTIBULE 1, 2, 3, 4, 5 & 6	"	•						
	FIRST AID ROOM	"	•						8 SEE PLANS FOR EXTENT OF PARGING
									8 SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILING
									8 SEE MAIN LOBBY DRAWINGS FOR DETAILS & FINISHES
									8 SEE MAIN LOBBY DRAWINGS FOR DETAILS & FINISHES
									8 SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILINGS.
									8 SEE 3" AND 4" PARTITIONS FOR SUPPORT OF DOORS AND TYPE OF PARTITIONS FOR SUPPORT OF DOORS
									8 SEE MAIN LOBBY DRAWINGS FOR DETAILS AND FINISHES.

ZONE - SUB 7
ELEV. 242'-0" TO 6TH FLOOR

KEY TO MATERIALS

- CONCRETE
- BRICK
- BRICK AND HOLLOW CINDER BLOCK
- BRICK AND SOLID CINDER BLOCK
- CINDER BLOCK
- SOLID CINDER BLOCK
- GLAZED FACE SOLID CONCRETE BLOCK
- LAMINATED GYPSUM PLANK PARTITION
- LAMINATED GYPSUM PLANK PARTITION WITH WALLBOARD (SEE SYMBOLS).
- 4" SCALE METAL STUD AND WALLBOARD PARTITION
- 6" SCALE METAL STUD PARTITION
- SPRAY-ON FIREPROOFING (M.F.)
- 6" SCALE METAL LATH AND FURRING
- 4" SCALE METAL LATH AND FURRING
- DOUBLE BLOCK PARTITION WITH INSULATION 9" CINDER BLOCK OUTER WALLS WITH 4" INSULATION BETWEEN

Note:

GLAZED FACE CONCRETE BLOCK MASONRY UNITS SHALL BE USED IN LIEU OF FACING TILE AS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLAZED MASONRY UNITS SHALL BE EQUAL TO TOTAL THICKNESS OF FACING TILE PLUS MASONRY BACK-UP.

SYMBOLS

- (P 1) PLUMBING STACK
- (L 1) LEADER
- (100) COLUMN NUMBER
- (A-1 / B 7) TOP LETTER DENOTES DOOR TYPE (SEE DOOR SCHEDULE) BOTTOM LEFT LETTER DENOTES BUCK TYPE (SEE BUCK DETAIL) BOTTOM RIGHT NUMBER DENOTES HARDWARE (SEE SPECIFICATIONS) WHERE BOTTOM LETTERS ARE 'N' THIS DENOTES SPECIAL HARDWARE AND OPENING. SEE SPECIFICATIONS AND DETAILS.
- (A-1 / B 5) REINFORCED BUCK SYMBOL - DENOTES SPECIAL REINFORCING AT HEAD AND JAMBS.
- (A / 100) DETAIL SYMBOL. TOP LETTER DENOTES DETAIL. BOTTOM NUMBER DENOTES DWG.
- (A / 100) SECTION CUT SYMBOL. TOP LETTER DENOTES DETAIL BOTTOM NUMBER DENOTES DRAWING.
- PARTITION SYMBOL. NUMBER IN TRIANGLE DENOTES LAYERS OF GYPSUM WALLBOARD. WHERE 1 LAYER IS CALLED FOR, THAT LAYER SHALL BE ½" THICK, WHERE 2 LAYERS ARE CALLED FOR, THOSE LAYERS SHALL BE ⅝" THICK.
- PARTITION SYMBOL. DENOTES WATERPROOF GYPSUM WALLBOARD. A - WHERE 1 LAYER IS CALLED FOR, THAT LAYER IS ½" THICK WATERPROOF GYPSUM WALLBOARD
- B - WHERE 2 LAYERS ARE CALLED FOR, THE LAYER IMMEDIATE TO THE PARTITION IS ½" GYPSUM WALLBOARD. THE OUTER LAYER IS ¼" WATERPROOF GYPSUM WALLBOARD.
- DENOTES STARTING POINT OF TILE CEILING
- DENOTES 'LOOSE LINTEL' OR 'HUNG LINTEL' SEE LINTEL SCHEDULES ON DWG. 16

CONTRACT 'BD' DRAWING 8.1.66

"BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION."

NO.	DATE	BUL. NO.	BY
11	11-18-70	A-138	A.M.
10	1-30-70	A-144	L.J.
9	1-30-70	A-145	L.J.
8	1-30-70	A-147	L.J.
7	5-25-69	A-138	L.R.
6	8-23-68	A-137	Amst.
5	8-23-68	A-125	Amst.
4	11-1-68	A-111	A.M.
3	6-28-68	A-9	D.S.

REVISIONS

NO.	DATE	BUL. NO.	BY
7	12-18-70	A-158	L.J.
6	6-1-70	A-146	L.J.
5	6-18-70	A-140	D.S.L.
4	6-18-70	A-118	D.P.
3	9-1-70	A-132	L.J.
2	9-1-70	A-132	L.J.
1	1-8-70	A-115	L.J.
0	11-6-70	A-108	L.J.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: FINISH SCHEDULE
ZONE - SUB 7

DRAWN: | CHECKED:
SCALE: NONE | DATE: 7-31-67
PROJECT NUMBER: | SHEET: OF
DRAWING NUMBER: A-A-4

FINISH SCHEDULE

ZONE	LOCATION — SPACE *	FLOOR	FLOOR — FINISH	BASE	WALLS — MATERIAL	WALLS — FINISH	CEILING — MATERIAL	CEILING — FINISH	REMARKS
			Bottom/Covers; Vinyl Asbestos; Marble; Ceramic Tile; Terrazzo; Carpeting	Cement Resilient; Terrazzo; Wood; Marble; Painted; Vinyl; Ceramic Tile	Masonry; Face Brick; Gutter Face Brick; Ceramic Tile; Gypsum Plank; Acous. Gypsum Plank; Marble; Wood; Plaster; Metal Stud	Painted; Vinyl Covering; Unfinished; Ceramic Tile; Cement Plaster	Acoustic Tile; Metal Pan; Plaster; Concrete; Steel Deck; Spray-on F.P.; Luminous Ceil.	Painted; Unfinished	
ZONE I 7TH TO 40TH FLOORS	STAIRS * 1-2-3 *	7TH TO 40TH FLR.	•	•	•			•	*SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILINGS.
	STAIR VESTIBULES *	7TH FL.	•	•	•			•	*SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILINGS.
	ELECTRIC CLOSET 'C'	7TH TO 40TH FLR.	•	•	•			•	
	CLOSETS	"	•	•	•			•	
	ELECTRIC SUB-STATIONS	7TH FL.	•	•	•			•	
	RETURN AIR PLENUMS	7TH FL.	•	•	•			•	
	CORRIDOR	9TH TO 40TH FLR.	•	•	•			•	
	SERVICE ROOM	"	•	•	•			•	
	CLOSET (MAIL ROOM)	"	•	•	•			•	
	U.S MAIL VAN ROOM	6'-8"-3" & 6'-9" FLR.	•	•	•			•	
	ELECTRIC CLOSET 'N'	9TH TO 40TH FLR.	•	•	•			•	
	ELECTRIC CLOSET 'S'	"	•	•	•			•	
	TELEPHONE CLOSETS	"	•	•	•			•	
	JANITOR'S CLOSET	"	•	•	•			•	
	WOMEN'S TOILETS	"	•	•	•			•	
	POWDER ROOMS	"	•	•	•			•	
	MEN'S TOILET	"	•	•	•			•	
	VESTIBULE (MEN'S TOILET)	"	•	•	•			•	
	SECONDARY MOTOR ROOMS	17TH, 18TH, 39TH FLR.	•	•	•			•	
	ELEVATOR MACHINE ROOMS	17TH, 18TH, 39TH FLR.	•	•	•			•	
	AIR CONDITIONING ROOMS (EXPANSION TANK ROOM)	18TH FL.	•	•	•			•	
	FIRE RESERVE TANK ROOM	20TH FL.	•	•	•			•	
	MECHANICAL EQUIPMENT ROOMS	7TH & 8TH FLR.	•	•	•			•	
	TENANT SPACE *	7TH TO 40TH FLR.	•	•	•			•	* SEE TENANT ARCHITECTS DRAWINGS FOR SUB-DIVISION OF SPACE DETAILS AND FINISHES
	LOCAL ELEVATOR LOBBIES *	"	•	•	•			•	* SEE LOCAL ELEVATOR LOBBY DRAWINGS FOR DETAILS AND FINISHES
	M.E.R. TOILET	7TH FLOOR	•	•	•			•	* SEE PLANS FOR SUSPENDED GYPSUM BOARD CEIL.
	TOOL STORAGE	7TH FLOOR	•	•	•			•	
	M.E.R. TOILET	40TH FLOOR	•	•	•			•	
	STAIRS * 1-2-3 *	41ST TO 74TH FLR	•	•	•			•	* SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILINGS
	STAIR VESTIBULES *	41ST TO 74TH FLR	•	•	•			•	* SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILINGS
	ELECTRIC CLOSET 'C'	41ST TO 74TH FLR.	•	•	•			•	* SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILINGS
	CLOSETS	43RD TO 74TH FLR.	•	•	•			•	
	ELECTRIC SUB-STATION	41ST FL.	•	•	•			•	
	RETURN AIR PLENUMS	"	•	•	•			•	
	CORRIDOR	43RD TO 74TH FLR.	•	•	•			•	
	SERVICE ROOM	41ST TO 74TH FLR.	•	•	•			•	
	CLOSET (MAIL ROOM)	"	•	•	•			•	
	VESTIBULE (MEN'S TOILET *8)	50TH TO 60TH FLR.	•	•	•			•	
	ELECTRIC CLOSET 'N'	41ST TO 74TH FLR.	•	•	•			•	
	ELECTRIC CLOSET 'S'	"	•	•	•			•	
	TELEPHONE CLOSETS	"	•	•	•			•	
	JANITOR'S CLOSET	"	•	•	•			•	
	WOMEN'S TOILETS	"	•	•	•			•	
	POWDER ROOMS	"	•	•	•			•	
	MEN'S TOILETS	"	•	•	•			•	
	VESTIBULES (MEN'S TOILET)	"	•	•	•			•	
ZONE II 41ST TO 74TH FLOORS	SECONDARY MOTOR ROOMS	43RD, 55TH, 66TH & 68TH FLR.	•	•	•			•	
	ELEVATOR MACHINE ROOMS	43RD, 55TH, 66TH & 68TH FLR.	•	•	•			•	
	MECHANICAL EQUIPMENT ROOMS	41ST, & 67TH FLR	•	•	•			•	
	MOTOR GENERATOR ROOMS	41ST FL.	•	•	•			•	
	STAIR PASSAGES *	42ND FL.	•	•	•			•	
	ELEVATOR PITS	42ND & 68TH FLR	•	•	•			•	
	AIR CONDITIONING ROOMS (EXPANSION TANK ROOMS)	43RD, 45TH, 68TH FLR	•	•	•			•	
	MAIN CORRIDOR (SKYLOBBY) *	44TH FL.	•	•	•			•	
	TENANT SPACE *	43RD TO 74TH FLR	•	•	•			•	
	TRANSFER LOBBY *	44TH FL.	•	•	•			•	
	SHUTTLE SECONDARY LEVELS	45TH FL.	•	•	•			•	
	SHUTTLE SECONDARY MOTOR RM. VEST'S	46TH FL.	•	•	•			•	
	SHUTTLE ELEV. MACHINE ROOMS	47TH FL.	•	•	•			•	
	DUCT SPACES	48TH FL.	•	•	•			•	
	CROSS CORRIDOR *	48TH FL.	•	•	•			•	
	LOCAL ELEVATOR LOBBIES *	48TH FL.	•	•	•			•	
	A.C. PLENUMS	48TH FL.	•	•	•			•	
	LOCAL ELEVATOR LOBBIES *	13'-0" & 24'-0" TO 74TH FLR.	•	•	•			•	
	MEN'S ROOMS & TOILETS & LOCKER ROOMS	43RD FL.	•	•	•			•	
	ELEV. MOTOR GENERATOR & CONTROL ROOM	47TH FL. *	•	•	•			•	
	PUMP ROOM	43RD FL.	•	•	•			•	
	U.S MAIL VAN ROOM	52ND FL.	•	•	•			•	
	STAIR PASSAGES *	76TH & 84TH FLR.	•	•	•			•	
	ELECTRIC CLOSET 'C'	75TH TO 108TH FLR	•	•	•			•	
	CLOSETS	77TH TO 108TH FLR	•	•	•			•	
	ELECTRIC SUB-STATIONS	76TH & 108TH FLR.	•	•	•			•	
	RETURN AIR PLENUMS	75TH FL.	•	•	•			•	
	CORRIDOR	77TH, 78TH TO 108 TH	•	•	•			•	
	SERVICE ROOM	77TH TO 108TH & 109TH FL.	•	•	•			•	
	CLOSET (MAIL ROOM)	77TH TO 108TH FLR.	•	•	•			•	
	LOCAL ELEVATOR LOBBIES *	77TH, 78TH TO 108TH FLR	•	•	•			•	
	ELECTRIC CLOSET 'N'	77TH TO 105TH FLR.	•	•	•			•	
	ELECTRIC CLOSET 'S'	"	•	•	•			•	
	TELEPHONE CLOSETS	"	•	•	•			•	
	JANITOR CLOSETS	"	•	•	•			•	
	WOMEN'S TOILETS	"	•	•	•			•	
	POWDER ROOMS	"	•	•	•			•	
	MEN'S TOILETS	"	•	•	•			•	
	VESTIBULE (MEN'S TOILET)	"	•	•	•			•	
ZONE III 75TH TO 110TH FLOORS	SECONDARY MOTOR ROOMS	78TH, 87TH, 94TH, 102ND & 103RD FLR.	•	•	•			•	
	ELEVATOR MACHINE ROOMS	78TH, 87TH, 94TH, 102ND & 103RD FLR.	•	•	•			•	
	MECHANICAL EQUIPMENT ROOMS	78TH, 87TH, 102ND & 103RD FLR.	•	•	•			•	
	MOTOR GENERATOR ROOMS	78TH & 79TH FLR.	•	•	•			•	
	ELEVATOR PITS	76TH & 77TH FLR	•	•	•			•	
	AIR CONDITIONING ROOMS (EXPANSION TANK ROOMS)	77TH & 78TH FLR.	•	•	•			•	
	MAIN CORRIDOR (SKYLOBBY) *	78TH FL.	•	•	•			•	
	TENANT SPACE *	77TH TO 105TH FLR	•	•	•			•	
	SHUTTLE SECONDARY LEVEL	80TH FL.	•	•	•			•	
	SHUTTLE SECONDARY MOTOR ROOM VEST'S	80TH FL.	•	•	•			•	
	SHUTTLE ELEV. MACHINE ROOMS	81ST FL.	•	•	•			•	
	MAIL ROOM	78TH FL.	•	•	•			•	
	A.C. PLENUMS	82ND FL.	•	•	•			•	
	RESTAURANT *	106TH & 107TH FLR.	•	•	•			•	
	STAIRS #13,2,3 *	75TH TO 105TH FLR.	•	•	•			•	
	CROSS CORRIDOR *	78TH FL.	•	•	•			•	
	LOCAL ELEVATOR LOBBIES *	78TH FL.	•	•	•			•	
	STAIRS #1 & 2 *	106TH TO 110TH FLR.	•	•	•			•	
	DUCT SPACE	82ND FL.	•	•	•			•	
	M.E.R. TOILET	75TH FL.	•	•	•			•	
	UNASSIGNED SPACE	76TH FL.	•	•	•			•	
	OTHR VESTIBULE *	74TH TO 109TH FLR.	•	•	•			•	
	U.S MAIL VAN ROOM	108TH FL.	•	•	•			•	
	M.E.R. TOILET	103RD FL.	•	•	•			•	

*SEE PLANS FOR SUSPENDED GYPSUM BOARD CEILINGS.

GENERAL NOTES

1. ALL DIMENSIONS ON PLANS ARE TO ROUGH WALLS AND PARTITIONS.
2. FOR WINDOW HEIGHTS SEE ELEVATIONS AND DETAILS. WINDOW HEIGHTS ARE NOMINAL, FOR ACTUAL DIMENSIONS SEE WINDOW CONTRACTORS DETAILS AND ERECTION DRAWINGS.
3. ALL DOORS WITH CLOSERS (OTHER THAN SPRING HINGES) TO BE KEPT 6" MIN CLEAR OF ROUGH WALLS ON HINGED SIDE.
4. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" NOMINAL (2" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 78° FROM HORIZONTAL. SEE TYPICAL DETAILS.
5. FOR PRELIMINARY A.C. UNITS, PIPING, AIR CONDITIONING DUCT WORK, & EQUIPMENT AND FOR EXHAUST DUCTS ETC. SEE MECHANICAL DWGS.
6. FOR ALL PLUMBING PIPES, RISERS, DRAINAGE AND DETAILS ETC. SEE PLUMBING DRAWINGS.
7. FOR ALL ELECTRICAL WIRING, RISER DIAGRAMS, LIGHTING, CONVENIENCE OUTLETS AND DETAILS, ETC. SEE ELECTRICAL DRAWINGS.
8. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATION ONE FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
9. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCT WORK SHALL BE MAINTAINED AT 8'-4" MINIMUM ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. WHERE CINDER, BLOCK, FIREPROOFING IS CALLED FOR AROUND COLUMNS, CINDER BLOCK IS 3" THICK BLOCK UNLESS OTHERWISE SHOWN OR NOTED.
11. ALL ELECTRIC CELLS (POWER AND TELEPHONE) THAT ARE EXPOSED OVER ELEVATOR MACHINE ROOMS, SHAFTS AND STAIRS ARE TO BE ENCLOSED AT UNDERSIDE FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE OR FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE. ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DWGS FOR LOCATION AND EXTENT OF ELECTRICAL CELLS AND FIREPROOFING.
12. WHEREVER TAP REGISTERS AND GRILLES ARE SHOWN ON H.V.A.C. DRAWINGS SUCH REGISTERS AND GRILLES SHALL BE MAINTAINED HARD TO FINISHED SUSPENDED CEILINGS UNLESS OTHERWISE SHOWN OR NOTED ON ARCHITECTURAL DRAWINGS.
13. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AD.106 TO A-AD.218.
14. GLAZED TILE CONCRETE BLOCK MASONRY UNITS SHALL BE USED IN LIEU OF FACING TILE AS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLAZED MASONRY UNITS SHALL BE EQUAL TO TOTAL THICKNESS OF FACING TILE AND MASONRY BACK-UP.

ABBREVIATIONS

BM.	BEAM	M.R.	MOP RECEPTOR
COND.	CONDUIT	MEMB.	MEMBRANE
CEIL.	CEILING	M.L.F.	METAL LATH AND FURRING
C.E.	COMBINATION ELEVATOR	M.L.	METAL LATH
CEM.	CEMENT	N.W.	NORTH WEST
CL.	CLOSET	N.E.	NORTH EAST
CONC.	CONCRETE	PL.	PLASTER
COL.	COLUMN	P.H.	PAPER HOLDER
DN.	DOWN	P.E.	PASSENGER ELEVATOR
DET.	DETAIL	R.S.	RESILIENT BASE
ELEC. CL.	ELECTRIC CLOSET	R.A.	RETURN AIR
ELEC.	ELECTRIC	RM.	ROOM
ELEV.	ELEVATOR	R.D.	ROOF DRAIN
EL.	ELEVATION	S.N.D	SANITARY NAPKIN DISPOSAL
FIN.	FINISH	S.N.V.	SANITARY NAPKIN VENDOR
FL.	FLOOR	S.A.	SUPPLY AIR
F.P.S.C.	FIREPROOF SELF CLOSING	S.W.	SOUTH WEST
F.T.	FACING TILE	S.E.	SOUTH EAST
F.E.	FREIGHT ELEVATOR	SUSP.	SUSPENDED
H.R.	HANDRAIL	ST. PIPE	STAND PIPE
HR.	HOUR	T.C. & R.	TOWEL CABINET AND WASTE RECEPTOR
H.P.EL.	HIGH POINT ELEVATION	TEL. CL.	TELEPHONE CLOSET
JAN. CL.	JANITORS CLOSET	TR.	TOILET EXHAUST
K.E.	KITCHEN EXHAUST	VEST.	VESTIBULE
L.P. EL.	LOW POINT ELEVATION	W.P.	WATERPROOFING

CONTRACT BID DRAWING date 9-9-66

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
1	1-8-75	A-410	L.J.
2	1-23-74	A-365	L.J.
3	1-30-73	A-334	L.C.
4	1-30-74	A-322	L.C.

REVISIONS

NO.	DATE	BUL. NO.	BY
6	12-18-71	A-130	GBL
5	6-18-71	A-156	D.T.
4	6-18-71	A-120	D.T.
3	5-1-71	A-122	L.J.
2			
1	11-6-70	A-108	L.J.
	6-16-70	A-18	L.J.
	9-14-70	A-68	L.J.
	1-30-70	A-49	L.J.
	1-30-70	A-44	L.J.

REVISIONS

NO.	DATE	BUL. NO.	BY
	1-30-70	A-43	L.J.
	1-30-70	A-40	L.J.
	1-30-70	A-28	L.J.
5	5-25-68	A-13	H.G.
4	5-23-68	A-17	Mem.
3	5-21-68	A-25	Mem.
2	11-1-68	A-21	M.M.
1	6-19-68	A-5	D.G.
	6-19-68	A-6	D.G.
	5-18-68		J.W.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

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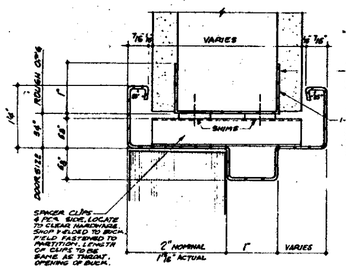
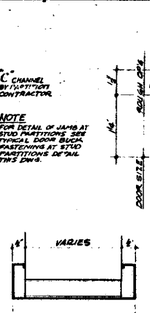
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: FINISH SCHEDULE
ZONE I-II-III

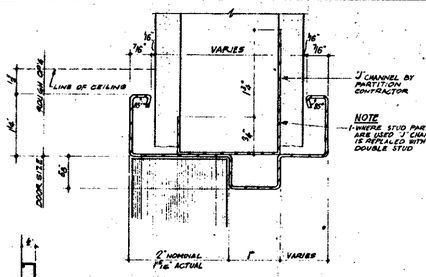
DRAWN		CHECKED	
SCALE	NONE	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER		A-A-5	



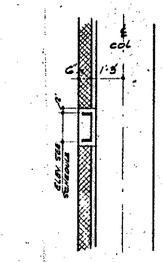
TYPICAL JAMB AT LAMINATED GYPSUM PLANK PARTITION
FULL SIZE



TYPICAL TRIMMED HEAD DETAIL
HALF FULL SIZE



TYPICAL HEAD AT LAMINATED GYPSUM PLANK PARTITION
FULL SIZE

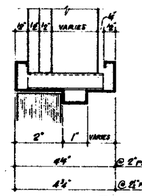


DETAIL OF HUNG LINTEL AT PERIMETER COLUMNS
SEE HUNG LINTEL SCHEDULE
SCALE 1" = 1'-0"

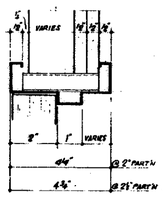
HUNG LINTEL SCHEDULE

NO.	SIZE	LENGTH	SECTION	WALL THICKNESS	BOTTOM ELEV.	REMARKS
HL-1	5x3½x⅜	6'-11"	JL	1'-0"	+9'-0"	HUNG FROM STEEL ABOVE
HL-2	"	11'-11"	"	"	+10'-0"	" " " "
HL-3	"	8'11"	"	"	+9'-0"	" " " "
HL-4	"	11'-11"	"	"	+9'-0"	" " " "
HL-5	"	4'-11"	"	"	+7'-1"	" " " "
HL-6	"	18'-11"	"	"	+10'-6"	" " " "
HL-7	"	8'-11"	"	"	+7'-8"	" " " "
HL-8	"	8'-11"	"	"	+8'-8"	" " " "
HL-9	5x3½x⅝ & 5x3½x½	8'11"	JL	8"	+13'-3"	HUNG FROM STEEL ABOVE & BRACKET
HL-10	5x3½x⅝	6'-9"	L	6"	+8'-0"	" " " "
HL-11	"	8'-11"	"	"	+8'-10"	" " " "
HL-12	"	8'-9"	"	"	+8'-0"	" " " "
HL-13	10"J 19.3	"			82 7/8'-1"	CHANNEL TO BE CUT FROM COL. CH. IN 9'0", SHIM SEE CLIPPED TO COL. AND R.R. WITH 3" CANT. & TYP. HUNG LINTEL DETAIL THIS DWG. (TYPICAL)
HL-14	5x3½x½ & 5x3½x⅜	6'-9"	L	4"	+8'-1"	CLIPPED TO INTER. FACE OF SPANDREL W/ HS HEADS USED ABOVE
HL-15	5x3½x⅝ & 5x3½x½		JL	8"	+13'-0"	HUNG FROM STEEL ABOVE & BRACKET
HL-16	5x3½x⅝	6'-9"	L	6"	78'-11½" TOP OF STEEL	HUNG FROM STEEL ABOVE & BRACKET
HL-17	5x3½x⅝	7'-8"	JL	8"	+8'-8"	HUNG FROM STEEL ABOVE & BRACKET
HL-18	5x3½x⅝	"	JL	8"	+9'-3½"	HUNG FROM STEEL ABOVE & BRACKET

NOTE:
1 ALL FINED LINTELS ARE ¼ STROKE OF OPENING AT EACH END.
2 ALL HANGERS TO BE 5 1/2 x 1 1/4 CLIPPED TO STEEL OR FLAG ABOVE ONE WHERE AT EACH END OF LINTEL SHALL BE NOT MORE THAN 6" FROM THAT END. INTERMEDIATE HANGERS TO BE SPACED NOT TO EXCEED 6'-0" ON CENTER.



A — A_1 DOOR BUCK, NO "C" CAST AT SILL TO RECEIVE STEP. SEE DET. FOR CONFIGURATION (J/309)
A_2 4 SIDED BUCK, SILL DETAIL SIMILAR TO (N)



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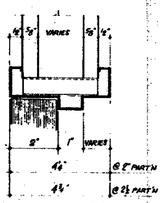
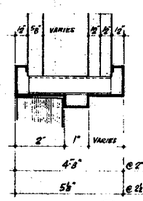
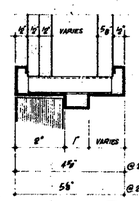


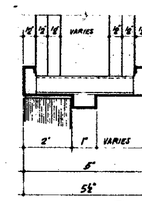
C — C_1 DOOR BUCK, NO "C" CAST AT SILL TO RECEIVE STEP. SEE DET. FOR CONFIGURATION (J/309)



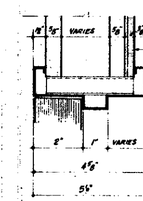
D — D_1 FOUR SIDED BUCK



E — E_1 DOOR BUCK NOTCHED AT SILL TO RECEIVE STEP. SEE DETAIL FOR CONFIGURATION (J/309)



F — F_1 4 SIDED BUCK WITH NEOPRENE GASKETING SILL CONDITION SAME AS DETAIL (N)
F_2 DOOR BUCK NOTCHED AT SILL TO RECEIVE STEP. (J/309)



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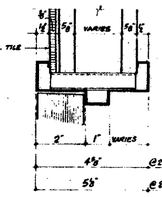

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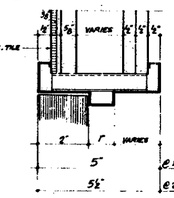
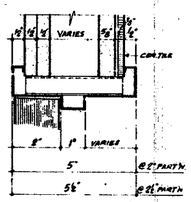
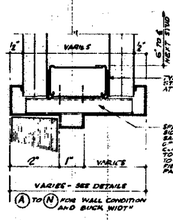


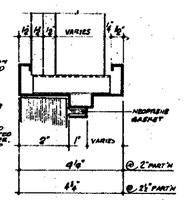
J



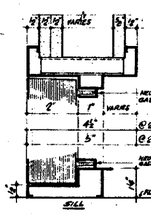
K

TYPICAL DOOR BUCK FASTENING AT STUD PARTITIONS
SCALE: HALF FULL SIZE FOR DETAILS (A) THROUGH (N)

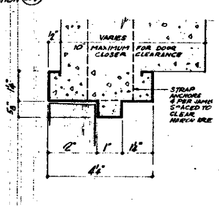




M — (M) 4 SIDED BUCK WITH NEOPRENE GASKETING SILL CONDITION SAME AS BASIC (N)
(M)/(N) AS DETAIL BASIC BUCK NOTCHED AT SILL TO RECEIVE STEP. SEE DETAIL FOR CONFIGURATION (J/309)



N — (N) DOOR BUCK NOTCHED AT SILL TO RECEIVE STEP. SEE DETAIL (J/309) FOR CONFIGURATION.



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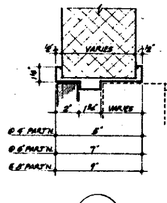

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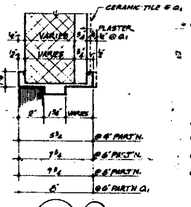
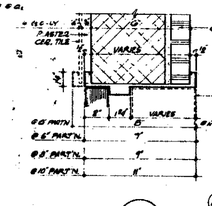
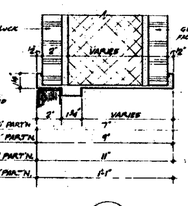


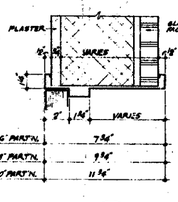
Q — (Q1) WITH CERAMIC TILE ONE SIDE



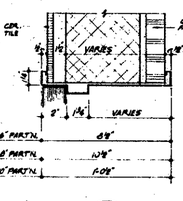
R — (R1) 4 SIDED BUCK WITH NEOPRENE GASKET SILL & GASKETING SAME AS DETAIL (Y)
(R2) GLAZED FACE BLOCK WITH CERAMIC TILE ON ONE SIDE



S



T



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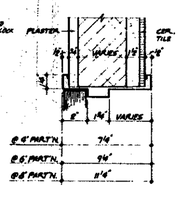
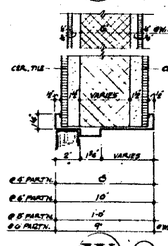
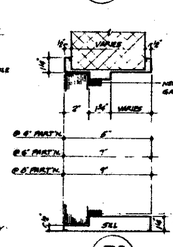


V

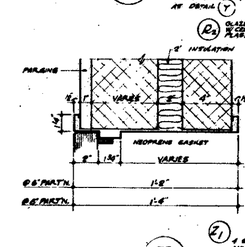
NOTE: FOR DETAILS 'R' THRU 'U'
GLAZED FACE CONCRETE BLOCK MASONRY UNITS SHALL BE USED IN LIEU OF FACING TILE AS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLAZED MASONRY UNITS SHALL BE EQUAL TO TOTAL THICKNESS OF FACING TILE PLUS MORTAR BACKUP.



W — (W1)

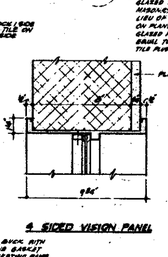


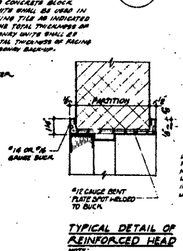
Y



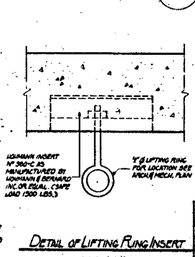
Z — (Z1) 4 SIDED BUCK WITH NEOPRENE GASKET SILL & GASKETING SAME AS DETAIL (Y)

4 SIDED VISION PANEL

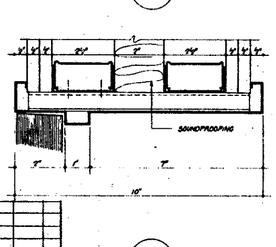




TYPICAL DETAIL OF REINFORCED HEAD
NOTE: SEE SCHEDULE OF BUCK AND REINFORCEMENT GAUGE FOR LOCATION



DETAIL OF LIFTING RING INSERT
SCALE 3"=1'-0"



AA

SCALE: 3"=1'-0" FOR DETAILS (P) THROUGH (Z)

SCHEDULE OF BUCK AND REINFORCEMENT GAUGES

DOOR SIZE	PARTITION THICKNESS	BUCK GAUGE	REINFORCEMENT GAUGE
UP TO 4'-0"	2", 3" & 4"	#16	SEE NOTE #5
UP TO 3'-0"	6"	#16	SEE NOTE #5
3'-1" TO 4'-0"	6"	#16	#12
2'-0" TO 3'-0"	8"	#14	#12
4'-1" TO 8'-0"	2", 3", 4", 6", 8"	#14	#12

NOTES
1- ALL BUCK REINFORCEMENT AS SHOWN ON SCHEDULE APPLIES TO CMU FACE BUCKS IN MASONRY PARTITIONS ONLY.
2- ALL DOOR BUCKS THAT CARRY FACING TILE OR MARBLE TO HAVE #12 GAUGE REINFORCEMENT HEADS
3- ALL DOORS 21" OR LARGER AND ALL ENTRANCE DOORS TO HAVE ANGLE LINTELS.
4- ALL DOOR BUCKS THAT CARRY PARTITIONS 8" OR MORE IN THICKNESS SHALL BE 14 GAUGE BUCKS WITH 12 GAUGE REINFORCEMENT.
5- DETAILS OF DOOR BUCKS ARE SHOWN FOR WIDTH OF BUCK AND WALL CONDITIONS ONLY. FOR ACTUAL DOOR LOCATION AND SWING REFER TO PLANS

LOOSE LINTEL SCHEDULE

No.	Size	Length	Section	Wall Thickness	No.	Size	Length	Section	Wall Thickness
L-1	5"x3½"x⅜"	6'-1"	L	10"	L-8	5"x3½"x⅜"	8'-10"	JL	8"
L-2	5"x3½"x⅝"	6'-4"	L	6"	L-9	5"x3½"x⅝"	6'-0"	JL	8"
L-3	5"x3½"x⅝"	5'-10"	L	6"	L-10	5"x3½"x⅝"	8'-10"	L	6"
L-4	5"x3½"x⅝"	6'-6"	L	6"	L-11	5"x3½"x⅝"	6'-6"	L	10"
L-5	5"x3½"x⅝"	8'-1"	L	6"	L-12	5"x3½"x⅝"	5'-8"	L	6"
L-6	5"x3½"x⅝"	5'-6"	JL	6"	L-13	5"x3½"x⅝"	6'-8"	L	6"
L-7	5"x3½"x⅝"	8'-8"	JL	8"	L-14	5"x3½"x⅝"	5'-8"	L	1'-0"
					L-15	5"x3½"x⅝"	8'-8"	JL	8"

A	A-407	LJ	
A	A-379	WJ	
10-8-73 A	A-348	LJ	
7-17-73 A	A-340	LJ	
5-30-73 A	A-338	LJ	
6-1-72 A	A-267	LJ	
6-1-72 A	A-269	LJ	
1-22-72 A	A-211	LJ	
12-27-71 A	A-212	LJ	
12-27-71 A	A-198	LJ	
A	A-164	LJ	
6-18-71 A	A-178	DM	
4-18-71 A	A-168	DM	

CONTRACT NO. DRAWING date 7-1-64

6-18-71	A-167	DT	
3-12-71	A-110		
1-4-71	A-118	DM	
VOID	A-120	LJ	
11-6-70	A-108	LJ	
6-11-70	A-97	LJ	
6-22-70	A-78	LJ	
4-18-70	A-77	LJ	
2-18-70	A-76	LJ	

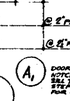
1-30-70	A-66	LJ	
1-30-70	A-67	LJ	
5-23-69	A-25	DM	
6-11-68	A-17	DM	
1-8-68	A-11	DM	
11-1-68	A-11	DM	
4-29-68	A-8	DM	
4-29-68	A-7	DM	
3-18-68		DM	

REVISIONS | REVISIONS | REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

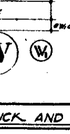
BILLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

ELEVATION



NOTES:
1- TYPE A-6 DOORS AT AUD. LOCKS 5'0" @ LEVEL W 88 HINGES & GALVESTOP AT JAMBS SHIM HEAD WITH 3 BUTTONS & GROUT 90 & 3 AT SILL & GROUT W/ GROUT
2- TYPE A-16 DOORS AT AUD. TO BE PREPARED TO 12'0" SECOND LOCK FOR FUTURE ELECTRONIC LOCK SYSTEM
3- TYPE A-16 DOORS AT AUD. TO BE PREPARED TO 12'0" SECOND LOCK FOR FUTURE ELECTRONIC LOCK SYSTEM

NOTES
1- ALL INLET DOORS TO HAVE THE WIDE X 1'-6" HIGH BOTTOM LOUVRE AND ½" UNDERCUT.



TYPE NO	SIZE WIDTH	SIZE HEIGHT	SIZE THICKNESS	T.F.S.C.	F.P.	1½ HR. LABEL	¾ HR. LABEL CLASS 'B' UNDERWR. APPR.	& DOOR BUCK	INTUMESCENT GASKET	SMOKE SEAL	20' DRAFT CURTAIN	3 HR. CLASS 'A' FIRE RATED	REMARKS
A-1	2'-6"	7'-0"	1¾"	•	•								
A-2	3'-0"	7'-0"	1¾"	•	•								
A-5	3'-0"	7'-0"	1¾"	•	•		•	•					
A-4	3'-0"	7'-0"	1¾"	•	•								
A-5	3'-0"	7'-0"	1¾"	•	•								
A-6	3'-0"	7'-0"	1¾"	•	•								
A-7	3'-9"	7'-0"	1¾"	•	•								
A-8	3'-9"	7'-0"	1¾"	•	•								
A-9	3'-0"	7'-10½"	1¾"	•	•								
A-10	3'-0"	7'-10½"	1¾"	•	•								
A-11	3'-0"	7'-10½"	1¾"	•	•								
A-12	3'-0"	7'-10½"	1¾"	•	•								
A-13	3'-0"	7'-10½"	1¾"	•	•								
A-14	3'-9"	7'-10½"	1¾"	•	•								
A-15	3'-9"	7'-10½"	1¾"	•	•								
A-16	3'-9"	8'-2¼"	1¾"	•	•								
A-17	3'-0"	8'-8¼"	1¾"	•	•								
A-18	3'-0"	8'-2¼"	1¾"	•	•								
A-19	3'-0"	9'-2½"	1¾"	•	•								
A-20	2'-0"	7'-0"	1¾"	•	•								
A-21	2'-0"	7'-10½"	1¾"	•	•								
A-22	3'-0"	7'-0"	1¾"	•	•								
A-23 ⊕	3'-0"	7'-0"	1¾"	•	•								⊕ FOR DOOR BUCK TO DOOR OF ROOF STAIR, SEE DETAILS ON DRAWING #A-38-1956
A-24	3'-9"	7'-0"	1¾"	•	•								
A-25	2'-6"	7'-0"	1¾"	•	•								
A-26 ⊕	2'-0"	7'-0"	1¾"	•	•								⊕ FOR DOOR BUCK TO DOOR OF WISDOM HARBOR, AXEL SEE DETAILS ON DRAWING #A-38-1956
A-27	2'-4"	7'-0"	1¾"	•	•								
A-28	3'-0"	8'-0"	1¾"	•	•								
A-29	3'-0"	8'-0"	1¾"	•	•								
A-30	3'-0"	7'-0"	1¾"	•	•								
A-31 ⊕	3'-0"	7'-0"	1¾"	•	•								⊕ DOOR TO BE PROVIDED TO PROVIDE ACCESS TO ROOF OF THE ROOF STAIR ENCLOSURE. DOOR TO BE SIMILAR TO DOOR A-31 ON THE ROOF PLAN
A-32 ⊕	3'-0"	7'-0"	1¾"	•	•								⊕ DOOR LINTEL ABOVE DOOR AT ELEV. 12'-0" TO BOTTOM OF LINTEL WITH 2 ANGLES (L 6"x4"x ½") WELDED TO LINTEL AT REAR OF LEVEL 6'-0" TO PERIMETER COLUMN. FOR DRAWING #A-38-1956
B-1	3'-0"	7'-0"	1¾"	•	•								
B-2 & 3	5'-0"	7'-0"	1¾"	•	•								
B-3	2'-0"	7'-10½"	1¾"	•	•								
B-4	3'-0"	7'-10½"	1¾"	•	•								
B-5	3'-0"	8'-2¼"	1¾"	•	•								
B-6	3'-0"	8'-8¼"	1¾"	•	•								
B-7	6'-0"	8'-0"	1¾"	•	•								
B-8 ⊕	5'-0"	7'-0"	1¾"	•	•								⊕ DOOR TO BE PREPARED TO 12'0" SECOND LOCK FOR FUTURE ELECTRONIC LOCK SYSTEM
B-9	5'-0"	7'-10½"	1¾"	•	•								
B-10	3'-0"	7'-0"	1¾"	•	•								
B-11	3'-0"	9'-6¼"	1¾"	•	•								
B-12	6'-0"	7'-0"	1¾"	•	•								
B-13	6'0"	6'-0"	1¾"	•	•								
B-14	6'-0"	7'-10½"	1¾"	•	•								
B-15	4'-0"	7'-0"	1¾"	•	•								
C-1	8'-6"	7'-0"	1¾"	•	•								
C-2	3'-0"	7'-0"	1¾"	•	•								
C-3	2'-6"	7'-10½"	1¾"	•	•								
C-4	3'-0"	7'-10½"	1¾"	•	•								
C-5	3'-0"	7'-10½"	1¾"	•	•								
C-6	3'-9"	7'-10½"	1¾"	•	•								
C-7	3'-0"	7'-10½"	1¾"	•	•								
C-8	2'-6"	7'-10½"	1¾"	•	•								
C-9	2'-6"	8'-2¼"	1¾"	•	•								
C-10	2'-6"	8'-0"	1¾"	•	•								
C-11	2'-6"	7'-10½"	1¾"	•	•								
C-12	3'-0"	7'-0"	1¾"	•	•								
C-13	2'-6"	7'-0"	1¾"	•	•								
C-14	3'-0"	7'-10½"	1¾"	•	•								
C-15	2'-6"	7'-0"	1¾"	•	•								
C-16	3'-0"	7'-0"	1¾"	•	•								
C-17	3'-0"	8'-2¼"	1¾"	•	•								
C-18	2'-6"	7'-0"	1¾"	•	•								
C-19	3'-9"	7'-0"	1¾"	•	•								
C-20	2'-6"	7'-0"	1¾"	•	•								
D-1	3'-0"	7'-0"	1¾"	•	•								
D-2	3'-0"	7'-0"	1¾"	•	•								
D-3	3'-0	7'-0"	1¾"	•	•								NO VISION PANEL
E-1	3'-0"	7'-0"	1¾"	•	•								
E-2	3'-9"	7'-0"	1¾"	•	•								
X-1 ⊕													⊕ SEE CURTAIN WALL CONTRACT
X-2 ⊕	3'-9"	7'-5"	1¾"										⊕ SEE CONCOURSE LOBBY DETAILS FOR DOOR, BUCKS & FIN.
X-3 ⊕	3'-0"	9'-6¾"	1¾"										⊕ SEE SKYLOBBY DETAILS FOR DOOR, BUCKS & FIN.
X-4 ⊕	3'-0"	9'-6¾"	1¾"										⊕ SEE SKYLOBBY DETAILS FOR DOOR, BUCKS & FIN.
X-5 ⊕	3'-0"	9'-6¾"	1¾"										⊕ SEE SKYLOBBY DETAILS FOR DOOR, BUCKS & FIN.
X-6 ⊕	3'-0"	8'-8¾"	1¾"										⊕ SEE SKYLOBBY DETAILS FOR DOOR, BUCKS & FIN.
X-7 ⊕	—	—	—										⊕ SEE MAIN LOBBY & MEZZ LEVEL DET'S FOR BUCKS, FIN. STAINLESS STEEL CLAD PANELS & DOOR
F-1 ⊕	4'-0"	7'-10½"	1¾"	•	•								⊕ AT 67TH FLOOR EXEC. AREA

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — ARCHITECTS
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

EMERY ROTH & SONS — ARCHITECTS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: DOOR BUCK DETAILS & DOOR SCHEDULE

DRAWN | CHECKED
SCALE: AS NOTED | DATE: 7-1-67
PROJECT NUMBER | SHEET | OF
DRAWING NUMBER: A-A-6

NORTH

NOTES

1. FOR GENERAL NOTES REF. TO HYDRAULIC, SYMBOLS ABBREVIATIONS, FINISH SCHEDULES, DOOR, SCHEDULE AND SCHEDULES OF DRAWINGS SEE DWG# A-0.01 TO A-0.5
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8 SCALE CORE DRAWING # A-1.0
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DWGS.
5. FINISH FLOOR ELEVATION, 4"TOP OF SLAB ELEVATION (A.F.F. (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. ALL WALLS AND PARTITIONS SHOWN WITH HATCHING ARE INCLUDED IN THIS CONTRACT. ALL WORK OUTSIDE ENLARGED WALLS OR TENURE, SHOWN UNHATCHED IS IN A SEPARATE CONTRACT OR SHALL HAVE WORK BY OTHERS INTERFACE WORK, IN THIS CONTRACT, CONTRACTOR SHALL COORDINATE ALL WORKS SO THAT COMPLETED WORK IS CONTINUOUS AND UNBROKEN. OPENINGS SHOWN ARE, MADE BY OTHERS UNLESS OTHERWISE OF TENANT AREA FOR COORDINATION ONLY.

CONCRETE BASE DETAILS
SCALE 3/8" = 1'-0"

TENANT STORAGE

EMERGENCY GENERATOR ROOM #2

EMERGENCY GENERATOR ROOM #1

MECHANICAL EQUIPMENT ROOM

CONDENSATE PUMP PIT

CONDENSATE PIPE TRENCH

A.C. TRANSFER RISERS

ELEV. LOBBY

ELEV. PIT

CLOSET

ELEC. CL'S

CELLAR STAIR #3

STAIR J-1

STAIR K-1

VEST.

LUGGAGE ROOM

REFRIGERATION ROOM

AMPLIFIER ROOM

HVAC REF. MAINT. RM

BUILDINGS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 6-9-66

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
1	7-20-66	A-67	C.H.L.
2	8-23-66	A-73	"
3	7-12-66	A-68	R.C.H.
4	8-22-66	A-69	D.G.
5	8-29-66	A-70	D.G.
6	8-15-66		J.M.S.

REVISIONS

APPROVED

DEPT. PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SUB-LEVEL "5" FLOOR PL. "A-1"
ELEVATION 242'-0"
LOWER MECH. EQUIP. RM. LEVEL

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-29-67
PROJECT NUMBER		SHEET	
BUSINESS REVIEWER			

A-A-8

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, PARTY SCHEDULE, DOOR, SCHEDULE, AND SCHEDULE OF COLUMNS SEE DWGS T-A-1 TO A-4-0.
2. FOR CONCRETE CHAMFER AND NOTES IN COLS. AREA SEE 4" SCALE DWGS DWG T-A-11.
3. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO PARTIAL SUB-LEVEL "4" EL. (-13'-8 1/2").
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. PARTIAL FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (CONC) UNLESS OTHERWISE SHOWN OR NOTED.
6. ALL WALLS AND PARTITIONS SHOWN WITH BATCHING ARE INCLUDED IN THIS CONTRACT. ALL WORK OUTSIDE PERIMETER WALL OF TOWER, SHOWN UNHATCHED IS IN A SEPARATE CONTRACT BY OTHERS, WHILE WORK BY OTHERS. INTERFACE WORK IN THIS CONTRACT, CONTRACTOR SHALL COORDINATE ALL WORK, SO THAT COMPLETED WORK IS CONTINUOUS AND UNBROKEN. DIMENSIONS SHOWN FOR WORK BY OTHERS ARE FOR TOWER AREA ONLY. COORDINATION ONLY.
7. PROVIDE LOOSE LINTELS AS REQUIRED OVER ALL PIPE AND DUCT OPENINGS IN MASONRY PARTITIONS.

MECHANICAL EQUIPMENT ROOM
UPPER LEVEL

ELEVATOR LOBBY

A.C. SHAFT

FAN PLENUM

ROOF OVER PLENUM

STAIR J-16

TENANT STORAGE

STAIR PASSAGE

STAIR K-1

UPPER PART OF EMERGENCY GENERATOR ROOM #2

UPPER PART OF EMERGENCY GENERATOR R.M. #1

EXHAUST PLENUM

GLASSED BLOCK

UPPER PART OF H.V.A.C. REPAIR MAINT. ROOM

MECHANICAL EQUIPMENT ROOM
UPPER LEVEL

REFRIGERATION ROOM
UPPER PART OF PIPE LEVEL

A.C. TRANSFER PLENUM

RIGID INSULATION

CORRIDOR

SECTION C/7

SECTION 4/7

SECTION 6/7

SECTIONS THRU PLENUM

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
1	11-6-70	A-69	L.L.
2	1-20-71	A-87	L.L.
3	5-13-71	A-95	B.L.
4	1-15-71	A-98	R.T.K.
5	11-1-72	A-12	M.M.
6	6-1-73	A-71	M.M.
7	6-20-74	A-9	D.G.
8	4-21-75	A-7	D.G.
9	2-16-76		J.V.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLER & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SUB-LEVEL 4 FLOOR PLAN
ELEVATION 283'-0"
UPPER MECH. EQUIP. RM. LEVEL

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-8-69
PROJECT NUMBER		SHEET	OF

1/8"=1'-0" 0 5 10 15 20 SCALE FEET

DRAWING NUMBER A-A-9

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SYMBOLS, SEE DRAWING SET DWG # A-A-1 TO A-A-5
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE ½" SCALE CORE PLAN DWG # A-A-11
3. ALL ELEVATIONS SHOWN THUS (99'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL, ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DWGS.
5. FIN. FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (79'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. ALL WALLS AND PARTITIONS SHOWN WITH HATCHING ARE INCLUDED IN THIS CONTRACT. ALL NON-BEARING PARTITIONS, ALL OF TENANT SPACE UNHATCHED IS IN A SEPARATE CONTRACT BY OTHERS. WHERE WORK BY OTHERS AFFECTS CORE, IN THIS CONTRACT CONTRACTORS SHALL COORDINATE ALL WORK, SO THAT COMPLETED WORK IS CONTINUOUS AND UNBROKEN. DIMENSIONS SHOWN FOR WORK BY OTHERS ENTERING OF TENANT ARE FOR COORDINATION ONLY.
7. PROVIDE LOOSE LINTELS AS REQUIRED OVER ALL FAN AND DUCT OPENINGS IN MASONRY PARTITIONS.
8. GLAZED FACE CONCRETE BLOCK MASONRY UNITS SHALL BE USED IN LIEU OF FACING TILE AS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLAZED MASONRY UNITS SHALL BE EQUAL TO TOTAL THICKNESS OF FACING TILE AND MASONRY BACK-UP.

SECTION (A/10) — Scale 3/4"=1'-0"

SECTION (C/10) — Scale 3/4"=1'-0"

SECTION (D/10) — Scale 3/4"=1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. 10 DRAWING DATE 2-1-66

REVISIONS					
		1	1-20-70	A-44	L.A.
		1	1-20-70	A-47	L.A.
		2	2-25-71	A-25	D.L.
		3	4-21-71	A-33	J.V.L.
		4	7-15-71	A-3	R.F.H.
		5	9-1-71	A-15	J.M.
7	7-17-72	A-349	1	11-1-71	A-11	R.F.H.
8	1-28-72	A-30	2	405-66	A-15	P.G.
9	6-28-72	A-48.5	3	4-27-72	A-2	P.G.
10	11-2-72	A-16	4	5-15-72		J.V.L.

REVISIONS

REGISTERED ARCHITECT — PROFESSIONAL ENGINEER — STATE OF NEW YORK

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

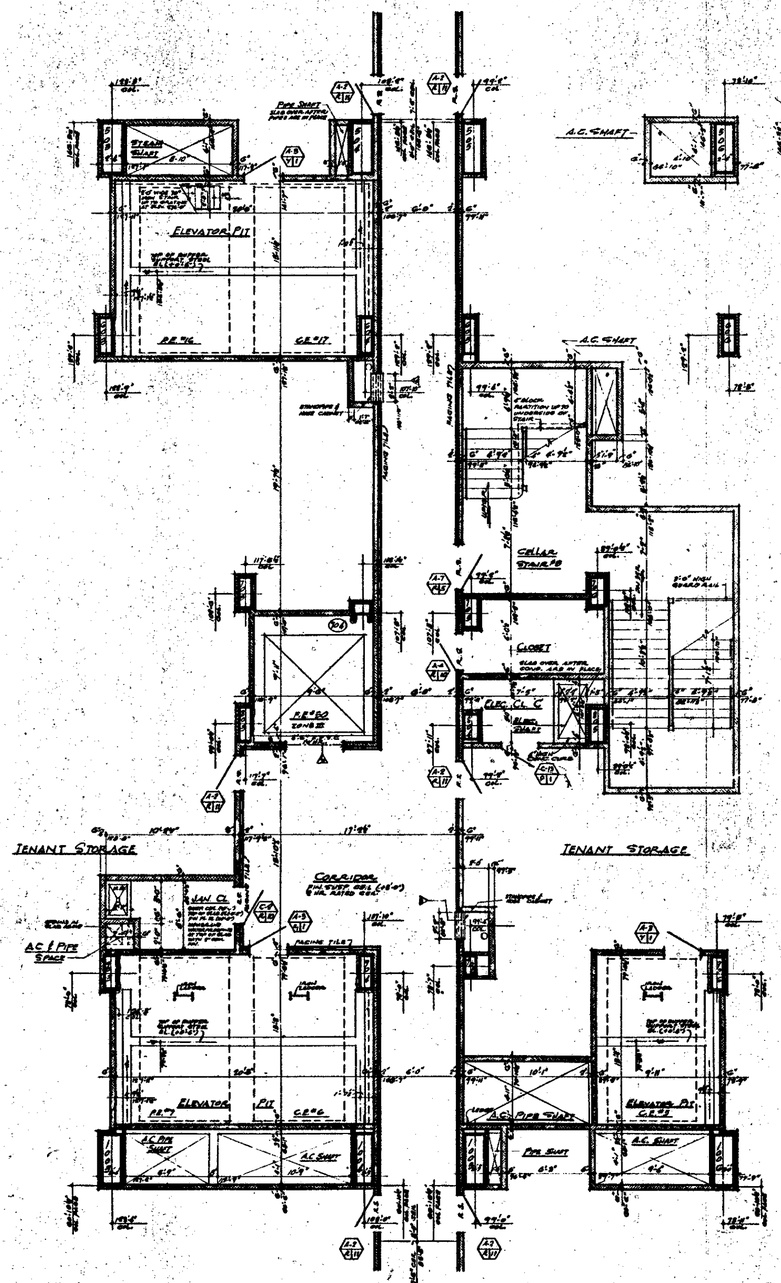
TITLE: SUB-LEVEL #3 FLOOR PLAN

ELEVATION 264'-0"

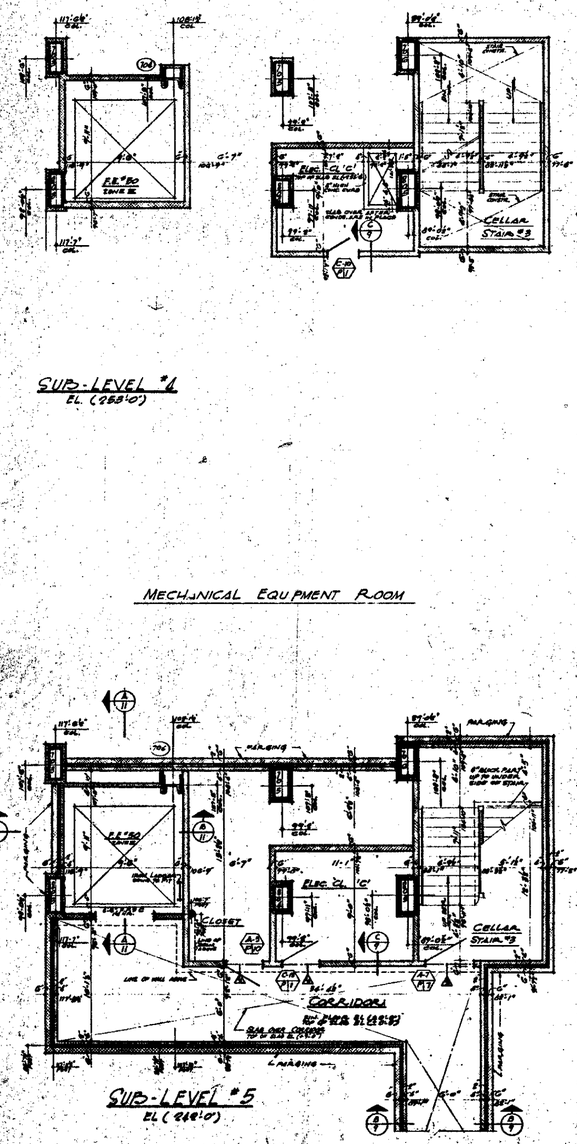
SCALE 1/8"=1'-0" — DATE 7-24-72

PROJECT NO. — CHECKED

DRAWING NO. A-A-10

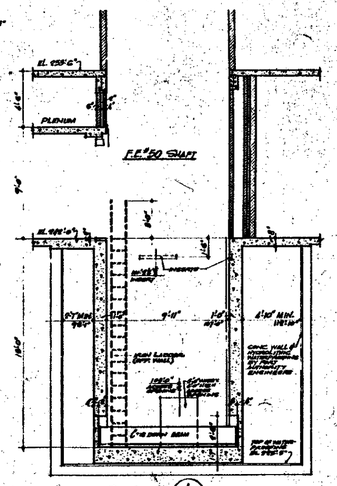


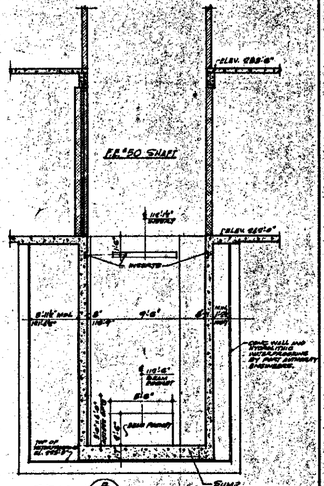
SUB-LEVEL #3
EL. (264'-0")

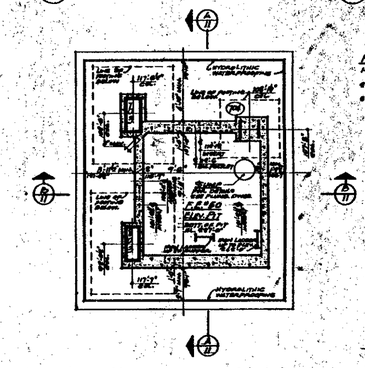


SUB-LEVEL #4
EL. (253'-0")

SUB-LEVEL #5
EL. (238'-0")







PLAN BELOW 242'-0"
AT ELEV. 227'-0"

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, ARCHITECTURAL SYMBOLS, CIVIL, STRUCTURAL AND MECHANICAL SYMBOLS SEE DRAWINGS # A-A-1 TO A-A-5
2. FOR COMPLETE 8" WALLS PLANS, PLAN SEE DRAWINGS # A-A-8 TO A-A-10
3. ALL ELEVATIONS GIVEN THUS (450'0") ARE IN RELATION TO FINISH FLOORS.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE SHEET A-A-20 AND A-A-21
6. PENCIL LINES LISTED AS CONCRETE SITE ARE NOT SHOWN IN DIRECTORY PARTITIONS.
7. GLASS AND CONCRETE GLASS MARQUEE UNITS SHALL BE USED IN LIEU OF FACING TILE AS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLASS MARQUEE UNITS SHALL BE SAME AS TOTAL THICKNESS OF FACING TILE AND MARQUEE FRAME TO TOTAL THICKNESS OF WALLS THIS PLAN MARQUEE SHALL BE

BULLETINS NOT DATED ARE THE PROCESS OF COMPLETION

NO.	DATE	BUL. #
		REVISION

NO.	DATE	BUL. NO.	BY
1	5-2-70	A-73	A.M.
2	8-20-70	A-44	L.M.
3	8-20-70	A-47	L.M.
4	6-11-69	A-28	M.M.
5	11-1-68	A-11	M.R.
6	2-1-68	A-10	D.G.
7	6-20-68	A-5	D.G.
8	4-29-68	A-2	D.G.
9	2-19-68		M.L.

REVISIONS

REGISTERED ARCHITECT

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SUB-LEVELS #3-#4-#5
CORE PLAN
ELEVATIONS: 264'-0", 253'-0", 238'-0"

SCALE: 1/8"=1'-0" | DRAWN: | CHECKED: | DATE: 7-29-70

PROJECT NO.

DRAWING NUMBER: A-A-11

PARKING

A.C. PLENUM

FLEV. LOBBY

A.C. PLENUM

A.C. SHAFT

A.C. SHAFT

A.C. TRANSFER PLENUM

TENANT STORAGE
PAV. FL. EL. (274'-0")

TENANT STORAGE
PAV. FL. EL. 274'-0"

DUCT SPACE

PIPE SHAFT

A.C. SHAFT

UNOCCUPIED SPACE
ELEV. PIT ABOVE

ELEVATOR PIT

UNOCCUPIED SPACE
ELEVATOR PIT ABOVE

A.C. SHAFT

DUCT SPACE

TENANT STORAGE
PAV. FL. EL. (274'-0")

A.C. SHAFT

DUCT SPACE

CELLAR DIVN. #3

SUMP

A.C. SHAFT

TENANT STORAGE

NOTE:
FOR CONTINUATION OF PLAN, DIMENSIONS AND DETAILS SEE SUB-BASEMENT REFRIGERANT ROOM

DUCT SPACE

A.C. SHAFT

UNOCCUPIED SPACE
ELEV. PIT ABOVE

PR.#7

ELEVATOR PIT

C.E.#6

ELEV. PIT

A.C. SHAFT

UNOCCUPIED SPACE
ELEV. PIT ABOVE

A.C. SHAFT

DUCT SPACE

A.C. SHAFT

A.C. TRANSFER PLENUM

A.C. FAN ROOM

TENANT STORAGE
PAV. FL. EL. (274'-0")

TENANT PLENUM

GLAZED BLOCK

8" PARTITION ABOVE SUB-FLOOR SLAB

8" PARTITION ABOVE SUB-FLOOR SLAB

GLAZED BLOCK

8" PARTITION ABOVE SUB-FLOOR SLAB

8" PARTITION ABOVE SUB-FLOOR SLAB

A.C. SHAFT

A.C. SHAFT

A.C. SHAFT

NOTE:
PROVIDE DUCT WITH 3" DIAMETER SLEEVE AT EACH INTERIOR PARTITION FOR FUTURE USE BY OTHERS. SLEEVES TO BE 1'-0" ABOVE SUB-FLOOR SLAB. FOR EXTENT OF PARTITIONING SEE TENANT LAYOUT DRAWINGS.

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULE OF DRAWINGS SEE DWGS. A-0.01 TO A-0.04
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING A-A.01
3. ALL ELEVATIONS GIVEN THUS (8'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER DRAWINGS.
5. FINISH FLOOR ELEVATION 6" TOP OF GLASS (EXCEPTIONS NOTED) UNLESS OTHERWISE SHOWN, DETAILED, OR NOTED.
6. ALL WALLS AND PARTITIONS SHOWN WITH HATCHING ARE INCLUDED IN THIS CONTRACT. ALL WORK OUTSIDE PERIMETER WALLS OF TOWER, SHOWN UNHATCHED IS IN A SEPARATE CONTRACT BY OTHERS. WHERE WORK BY OTHERS INTERFACES WORK IN THIS CONTRACT, CONTRACTOR SHALL COORDINATE ALL WORK. IN THAT CONTRACTOR SHALL BE CONTINUOUS AND UNINTERRUPTED, EXCEPT AS SHOWN FOR WORK BY OTHERS BEFORE OF POWER, AND HVAC, COORDINATION WORK.
7. PROVIDE LOOSE LINTELS AS REQUIRED OVER ALL ALL DOOR OPENINGS IN MASONRY PARTITIONS.
8. GLAZED FACE CONCRETE BLOCK MASONRY UNITS SHALL BE USED AT LINE OF PASSIVE FILE AS INDICATED ON PLANS. TYPICAL THICKNESS OF GLAZED MASONRY UNITS SHALL BE 4" AT TYPICAL PARTITIONS OR PASSIVE FILE PLAN (REFERENCE SHEET A-1.1)

UPPER PART OF PATH OFFICES

NOTE:
FOR CONTINUATION OF PLAN, DIMENSIONS AND DETAILS SEE SUB-BASEMENT CONTRACT DWGS.

TENANT STORAGE

NOTE:
FOR CONTINUATION OF PLAN, DIMENSIONS AND DETAILS SEE SUB-BASEMENT REFRIGERANT ROOM

TENANT STORAGE
PAV. FL. EL. (274'-0")

TENANT PLENUM

GLAZED BLOCK

UPPER PART OF REFRIGERATION RM. OPERATING LEVEL

NOTE:
FOR CONTINUATION OF PLAN, DETAILS AND DIMENSIONS SEE SUB-BASEMENT CONTRACT DWGS.

BULLETINS NOT DATED ARE THE PROCESS OF CC 1242 ON

CONTRACT NO. DRAWING date 2-2-68

				2-15-72	A-7.0	AM	
				1-20-72	A-6.0	CJ	
				1-20-72	A-5.0	LJ	
			A-376	LJ	5-23-69	A-4.0	DL
	9-6-75	A-854	LB	5-11-69	A-3.0	LJ	
	7-17-73	A-549	LJ	11-1-68	A-2.0	MR	
	8-1-72	A-465	LC	8-1-68	A-1.0	DG	
	1-28-72	A-211	LC	6-28-68	A-0.5	DL	
	6-18-71	A-183	DT	4-25-68	A-0	DL	
	11-6-70	A-19	LJ	2-15-68		LJ	

DATE | WHL. NO. | BY — REVISIONS

NO. | DATE | SUB. NO. | BY — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — EMERY ROTH & SONS
MINORU YAMASAKI, ARCHITECT — RICHARD ROTH, ARCHITECT

WORTHINGTON SKILLING, HELLE & JACKE N
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

SUB-LEVEL 1 FLOOR PLAN
ELEVATION 274'-0"

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	2-15-72
FILE NO.			

DIRECTOR'S SIGNATURE

A-1.1

North

TENANT STORAGE

TRANSFER PLENUM

PIPE SHAFT

DUCT SPACE

A.C. SHAFT

STEAM SHAFT

UNOCCUPIED SPACE
ELEV. PITS ABOVE

ELEVATOR PIT CE.+17

ELEVATOR PIT PE.+16

ELEVATOR PIT CE.+6

ELEVATOR PIT PE.+7

ELEVATOR PIT PE.+8

ELEVATOR PIT PE.+30

ELEVATOR PIT PE.+21

ELEVATOR PIT PE.+24

ELEVATOR PIT PE.+23

ELEVATOR PIT PE.+22

ELEVATOR PIT PE.+20

CLOSET

CORRIDOR
ON FIRE RESISTIVE FIRE RATED CORE

A.C. & PIPE SHAFT

DOL SHAFT

CELLAR DRAIN TO

Notes

1. FOR GENERAL NOTES KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES AND GENERAL NOTES OF DRAWINGS, SEE DRAWING A-A-1 TO A-A-4.
2. FOR COMPLETE 16" SCALE PLANS, PLAN SEE DRAWING A-A-12.
3. ALL ELEVATIONS GIVEN THUS (+24.0) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE A-A-2 ENTIRE SHEET INCLUDING DRAWINGS M-A-1, TYPICAL SYMBOLS, AND M-A-2 TO M-A-5.
5. SHEET FL. EL. (TOP OF SLAB ELEVATIONS ARE GIVEN) UNLESS OTHERWISE SHOWN OR NOTED.
6. PROVIDE LOUVRE LINTELS AS REQUIRED WITH ALL FAN AND UNIT OPENINGS IN MASONRY PARTITIONS.
7. GLASED TILE CONCRETE BLOCK MASONRY UNITS SHALL BE USED IN LIEU OF GLAZED TILE IN LOCATIONS OF GLAZED TILE WHERE TOTAL THICKNESS OF GLAZED MASONRY UNITS SHALL BE EQUAL TO TOTAL THICKNESS OF GLAZED TILE (INCL. MASONRY BACK-UP.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-1-68

NO.	DATE	DESCRIPTION	BY
1		A-376	LJ
2	7-17-70	A-549	LB
3	6-18-71	A-1065	DT
4	1-20-72	A-41	LJ
5	1-5-73	A-88	LJL
6	2-1-73	A-1	MM
7	4-20-73	A-6	DT
8	2-27-74	A-	DB
9	5-1-74		LJL

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT

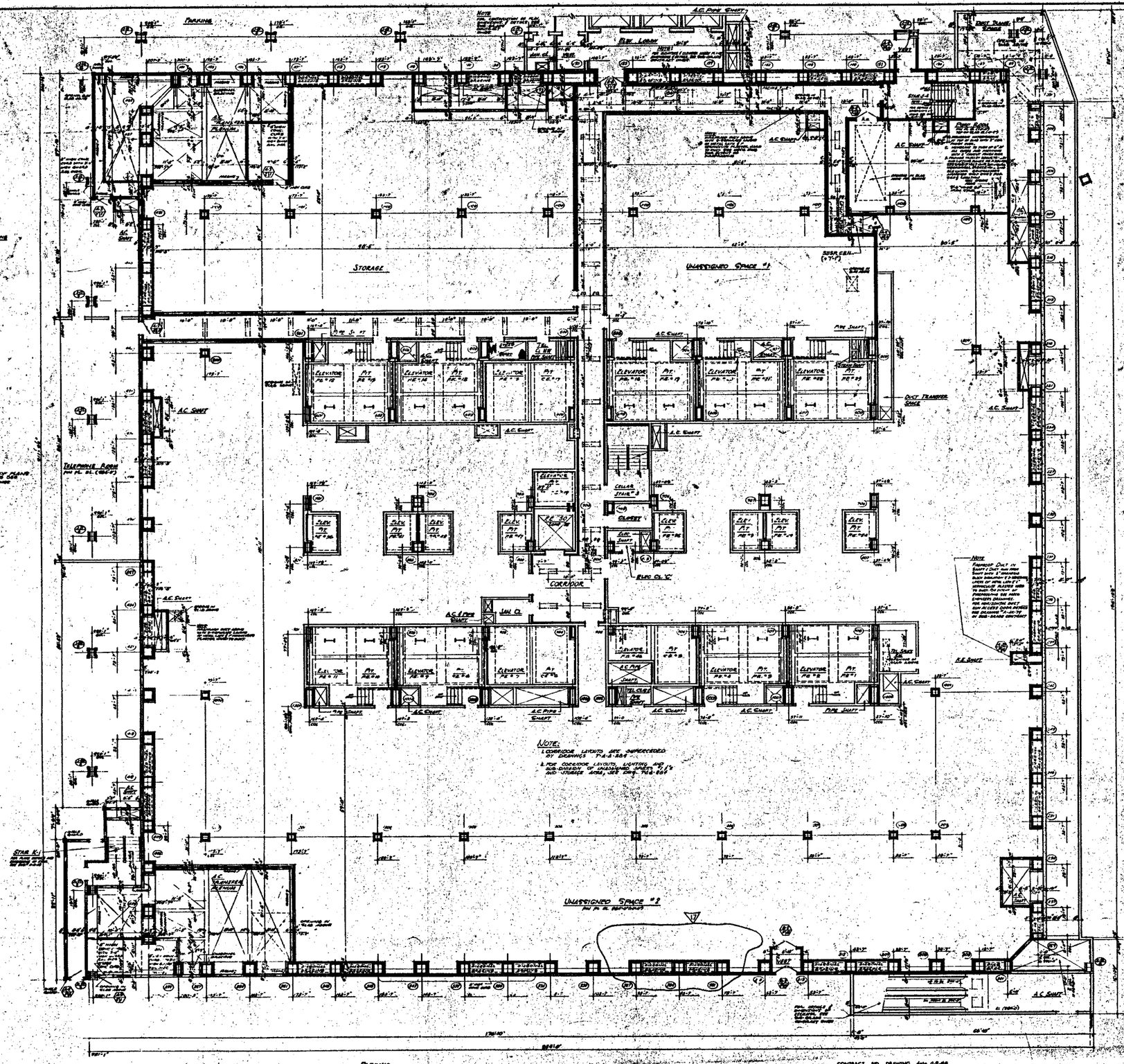
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — EMERY ROTH & SONS
MINORU YAMASAKI, ARCHITECT — RICHARD ROTH, ARCHITECT
SKIDMORE, OWINGS, MERRILL & ADRIANCE — JAROS, BAUM & BOLLES
STRUCTURAL ENGINEERS — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — THE PORT OF NEW YORK AUTHORITY
ELECTRICAL ENGINEERS — PAVING, UTILITIES, FOUNDATIONS

TITLE: Sub-Level "2 Core Plan
Elevation 2'4'-0"

1/16" = 1'-0"

A-A-13



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING T-A-A-1 IN A-A-0
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING T-A-A-11
3. ALL ELEVATIONS GIVEN THUS (1'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUT SEE RESPECTIVE TRADE CODE DRAWINGS.
5. FINISH FLOOR, ELEVATION AND TOP OF SLAB ELEVATION ARE 8'-0" ON LESS OTHERWISE SHOWN OR NOTED
6. ALL WALLS AND PARTITIONS SHOWN WITH HATCHING ARE INCLUDED IN THE CONTRACT. ALL NEW OUTSIDE PERIMETER WALL OR TENANT DIVISION PARTITIONS IS AS A SEPARATE CONTRACT BY OTHERS WHERE NEW BUILDING INTERFACES WORK IN THIS CONTRACT, CONTRACTORS SHALL COORDINATE ALL WORK, SO THAT COMPLETED WORK IS CONTINUOUS AND UNBROKEN, EXCEPTING WHERE SHOWN FOR WORK BY OTHERS OPENING FOR DOORS, AND PIPE, CONDUIT AND DUCT PENETRATIONS.
7. FINISHED LINES LISTED OR REQUIRED SHALL ALL FAIL AND FLUSH WITH ADJACENT UNLESS NOTED OTHERWISE.
8. GLASS AND CONCRETE BLOCK MASONRY UNITS SHALL BE USED IN LIEU OF BRICK MASONRY UNITS WHERE THIS SUBSTITUTION IS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLASS OR CONCRETE BLOCK MASONRY UNITS SHALL BE EQUAL TO EQUAL THICKNESS OF ADJOINING THE BRICK MASONRY SURFACE.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION.

CONTRACT NO.	DRAWING date 6-9-66		
	1-4-71	A-1/5	LETT
	1-20-71	A-1/1	LM
	1-20-71	A-1/7	LM
7-17-73 A-349	L.B. 5-13-69	A-1/3	DL
9-6-73 A-344	L.B. 11-11-69	A-1/3	DL
8-1-73 A-345	L.C.	A-1/3	LML
8-1-73 A-347	L.C. 8-1-66	A-1/0	DG
1-28-74 A-311	L.C. 9-20-66	A-1/0	DG
11-17-71 A-100	L.C. 1-19-68	A-1/0	DG
8-28-71 A-189	D.F. 1-19-68	A-1/0	DG
7-1-71 A-122	LETT 5-15-68		LML

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
RAILWAYS, UTILITIES, FOUNDATIONS

TITLE: Sub-Level 1 Floor Plan

Elevation 28'-0"

1/8"-1'-0"

A-A-14

North

STORAGE

UNASSIGNED SPACE #1

CORRIDOR
SUSP. CEIL. (+7'-1")

PIPE SHAFT

A.C. SHAFT

STAIR SHAFT

ELEVATOR PIT
P.E. #12 · P.E. #13 · P.E. #14 · P.E. #15 · P.E. #16 · C.E. #17 · P.E. #18 · P.E. #19 · P.E. #20 · P.E. #21 · P.E. #22 · P.E. #23 · P.E. #24 · P.E. #25 · P.E. #26 · P.E. #27 · P.E. #28 · P.E. #29 · P.E. #30 · P.E. #31 · P.E. #32 · P.E. #33 · P.E. #34 · P.E. #35 · P.E. #36 · P.E. #37 · P.E. #38 · P.E. #39 · P.E. #40 · P.E. #41 · P.E. #42 · P.E. #43 · P.E. #44 · P.E. #45 · P.E. #46 · P.E. #47 · P.E. #48 · C.E. #49

DUCT TRANSFER SPACE

TEL. CLOSET

CLOSET

CELLAR STAIR #2

CELLAR STAIR #1

AC PIPE SHAFT

DRY SHAFT

TEL. SPACE BELOW

NOTES:
1. FOR CORRIDOR LAYOUTS SEE SUPERCEDED BY DRAWING "A-A-1-554"
2. FOR CORRIDOR LAYOUTS (VERTICAL AND SOUTH-SHOP OF SHAFTWALL) SPACE #1 & #2 AND STORAGE SPACE SEE DWG "A-A-1-554"

CORRIDOR
FIN. SUSP. CEIL. (+7'-1")

UNASSIGNED SPACE #2

NOTES:
1. ALL GENERAL NOTES KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS AND CONVENTIONS, DOOR, SCHEDULE AND SYMBOLS OF DRAWINGS "SEE DRAWING" A-A-1 TO A-A-6
2. FOR COMPLETE "B" BASE PLANS SEE DRAWING" A-A-16
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO PROJECT DATUM.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A-A-6-104 AND A-A-6-105
6. FINISH FL. EL. & TOP OF SLAB ELEVATIONS ARE BASED UNLESS OTHERWISE SHOWN ON 10270.
7. PROVIDE LOOSE LINTELS OR REQUIRED OVER ALL FAN AND T-KIT OPENINGS IN MASONRY PARTITIONS.
8. GLAZED TILE CONCRETE BLOCK MASONRY UNITS SHALL BE USED IN LIEU OF FACING TILE AS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLAZED MASONRY UNITS SHALL BE EQUAL TO TOTAL THICKNESS OF FACING TILE PLUS MASONRY BACK-UP.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. - DRAWING date 6-1-68

NO.	DATE	ISSUE NO.	BY
		6-12-79	A-104	DT
		7-6-79	A-105	LLT
		1-30-70	A-66	LJL
		1-30-70	A-67	LJL
		6-26-69	A-65	LJL
		8-25-69	A-35	[illegible]
		1-11-69	A-29	LJL
		5-28-68	A-8	DG
		4-22-68	A-8	DG
		2-18-69		LJL
	A-370	10		
7-17-78	A-849	L.B.		

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: SUB-LEVEL #1 CORE PLAN
ELEVATION 204'-0"

1/8"=1'-0"

DRAWING NO. A-A-15

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULES OF DASH NO. SEE DRAWINGS A-A-1 TO A-A-6
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE "A" SCALE CORE DRAWINGS A-A-17
3. ALL ELEVATIONS GIVEN THUS (80'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL, ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FIN. FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE 80'-0" UNLESS OTHERWISE SHOWN OR NOTED.
6. ALL WALLS AND PARTITIONS SHOWN WITH MATCHING ARE INCLUDED IN THIS CONTRACT. ALL NEW INTERIOR PARTITIONS, WALLS OR TOWERS SHOWN UNLESS NOTED IN A SEPARATE CONTRACT BY OTHERS, UNLESS NOTED BY OTHERS OTHERWISE, SHALL BE IN THIS CONTRACT. CONTRACTORS SHALL COORDINATE ALL WORK SO THAT COMPLETED WORK IS CONTINUOUS AND 1" GROUNDS SHOWN FOR, WORK BY OTHER CONTRACTORS SHOWN ARE FOR COORDINATION ONLY.
7. MASONRY PARTITIONS AT CEILING WITH 3" DIAMETER LAYERS OF METAL LATH PLASTERED AND 1" VERMICULITE PLASTER, HARD TO UNDERSIDE OF CONCRETE SLAB EXTENDED FULL HEIGHT.
8. PROVIDE LOOSE LINTELS AS REQUIRED OVER ALL PARTITIONS SHOWN OPENINGS IN MASONRY PARTITIONS
9. WHERE CHORD BLOCK FIRE PROOFING IS CALLED FOR ABOVE CERAMIC CHORD BLOCK IS OF SAME NOMINAL THICKNESS AS MASONRY WALL
10. WHERE FACE CONCRETE BLOCK MASONRY UNITS SHALL BE USED IN LIEU OF FACING TILE AS INDICATED ON PLANS, THE TOTAL THICKNESS OF FACED MASONRY UNITS SHALL BE EQUAL TO THE TOTAL THICKNESS OF FACING TILE FOR MASONRY BACK-UP.

PANIC HARDWARE LIST:

SET "X":

8 - PR. BUTTS - FBB 168 4½ x 4 NRP	US?
1 - SET - EXIT DEVICE VON DUPRIN 55ST x 5534 NL x L688 V.D. TRIM X-CORE 124 ACTIVE TRIM	US32D
1 - COORDINATOR, CORBIN 2847	US26D
2 - CLOSERS LCN 4012	SGL
2 - OVERHEAD STOPS GJL 93 x 7" O.S.	US26D
2 - KICK PLATES 8" x 20"	US32D
2 - SILENCERS # 95	

LOADING PLATFORM
- EL. 0'-0" ± 4 by 4'-0"

NOTE:
FOR CONTINUATION OF PLAN DIMENSIONS & DETAILS SEE SUB-BASE CONTRACT DRWGS

NOTE:
FOR EXCAVATION SEE PLATE A-A-1.2

W.T.C. MAINTENANCE STORAGE

ELECTRIC SUB-STATION

A.C. TRANSFER, PERSONNEL

A.C. FAN ROOM

JANITORIAL OFFICE AREA

CUSTOMS

A.C. PIPE SHAFT

ELEVATOR PIT

A.C. SHAFT

PIPE SHAFT

CHILLER STAIR #2

UNASSIGNED SPACE

GROUNDS

U.S. MAIL ROOM

CENTRAL SERVICES COUNTERWAY (NLG)

COMPRESSOR ROOM

DUCT TRANSFER SPACE

CONTRACT BD. DRAWING date 6-1-66

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

REVISIONS			REVISIONS		
7-17-78	A-849	L.B.	5-19-70	A-73	A.H.
1-8-78	A-884	L.C.	1-30-70	A-68	L.L.
8-10-78	A-914	D.R.	1-30-70	A-67	L.L.
6-1-77	A-965	L.C.	1-30-70	A-67	L.L.
5-1-77	A-965	L.L.	1-27-69	A-52	D.R.
6-18-76	A-730	D.R.	1-27-69	A-48	L.L.
6-8-77	A-1118	DP	11-1-68	A-8	M.R.
6-18-76	A-670	J.P.	4-4-68	A-6	D.R.
1-6-76	A-1.0	L.T.	8-22-66	A-2	J.M.
5-7-75	A-17	L.L.	8-8-66		L.L.
DATE	DES. INIT.	BY	DATE	DES. INIT.	BY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PLANNING, ENGINEERING, ARCHITECTURE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

TITLE: SERVICE LEVEL FLOOR PLAN
ELEVATION 294'-0"

SCALE: 1/16" = 1'-0"

PROJECT NO. 66-1

A-A-16

W.T.C. MAINTENANCE STORAGE

JANITORIAL OFFICE AREA

A.C. SHAFT

NORTH

CORRIDOR

PRIMARY FULL CHAMBER

CLOSET

TEL COND SHAFT

FIRE SHAFT

ELEVATOR PE.#12 · PIT PE.#13 · ELEVATOR PE.#14 · PIT PE.#15 · ELEVATOR PIT PE.#16 · ELEVATOR PE.#17 · PIT PE.#18 · ELEVATOR PE.#20 · PIT PE.#21 · ELEVATOR PE.#22 · PIT PE.#23

ELEV. RID STORAGE

OFFICE

VESTIBULE

ELEVATOR PE.#11 · PIT PE.#10 · ELEVATOR PE.#9 · PIT PE.#8 · ELEVATOR PE.#6 · PIT PE.#5 · ELEVATOR PE.#2 · PIT PE.#1

PE.#3 RESTAURANT

CENTRAL SERVICES COMMISSARY (N.I.C.)
FOR ALL INFORMATION SEE CENTRAL SERVICES COMMISSARY CONTRACT DWGS.

U.S. MAIL ROOM
FIN. SUSP CEIL. (+9'-6")

CORRIDOR
FIN. SUSP CEIL. (+9'10")

ELEC. CL. 'C'

CELLAR STAIR 2

UNDERGLAZED

NEW

WEST

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULE AND HARDWARE SEE DRAWING A-A-1.10 A.A.
2. FOR COMPLETE 6" CORE WALL PLAN SEE DRAWING A-A-1.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE DIAGRAMMATIC ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A.A.S-104 AND A.A.S-105.
6. RAISED FLOOR ELEVATION +/- TOP OF SLAB ELEVATIONS ARE (+0'-6") UNLESS OTHERWISE SHOWN OR NOTED.
7. PLUMBING WALL DEPENDENT ON NEW OWNER'S LAYOUT. TO BE DETERMINED. PROV. EACH LAVATORY SEE TYPICAL TOILET DETAILS DWGS. FOR TYPE & LOCATION.
8. PARTS AND EQUIPMENTS, CEILINGS AND CABLED ITEMS SUCH AS CLOSETS, STAIR, PASSAGES ETC. BOTTOM ELEVATIONS OF ALL BEAMS AND DUCTWORK SHALL BE MAINTAINED AT 8'0" ABOVE FINISHED FLOOR TO PROVIDE FOR OUTLET CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. PROVIDE LOUVER LINTELS AS REQUIRED OVER ALL FAN AND DUCT OPENINGS IN MASONRY PARTITIONS.
10. GLAZED FACE CONCRETE BLOCK MASONRY UNITS SHALL BE USED IN LIEU OF FACING TILE AS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLAZED MASONRY UNITS SHALL BE EQUAL TO TOTAL THICKNESS OF FACING TILE PLUS MASONRY BACK-UP.

SCALE 1/16" 1'-0"

CONTRACT 3RD DRAWING date 2-9-68							
10	5-15-73	SG-505	L.J.	1	1-30-70	A-44	L.J.
9	1-17-74	A-501	L.J.	1	1-30-70	A-47	L.M.
8	12-5-73	A-548	L.B.	1	11-24-69	A-25	R.M.
7	7-17-73	A-549	L.B.	1	9-23-69	A-26	R.M.
6	1-21-70	A-554	L.C.	1	7-11-69	A-48	J.V.C.
5	6-18-71	A-156	D.T.	1	11-1-68	A-11	M.M.
4	6-18-71	A-118	D.T.	1	8-1-68	A-10	D.G.
3	7-6-72	A-345	L.B.	1	6-28-68	A-5	D.G.
2	5-15-72	A-73	L.M.	1	4-29-68	A-5	D.G.
1	1-20-72	SG	L.K.	1	3-15-68		J.V.C.

NO.	DATE	SUB. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

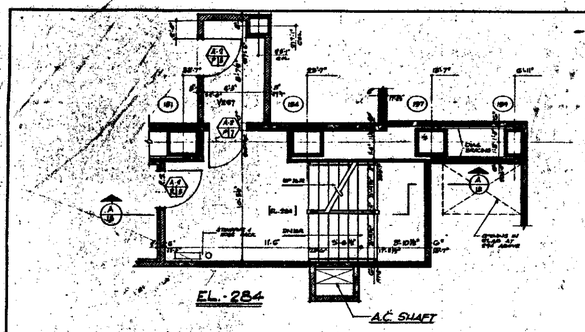
THE WORLD TRADE CENTER

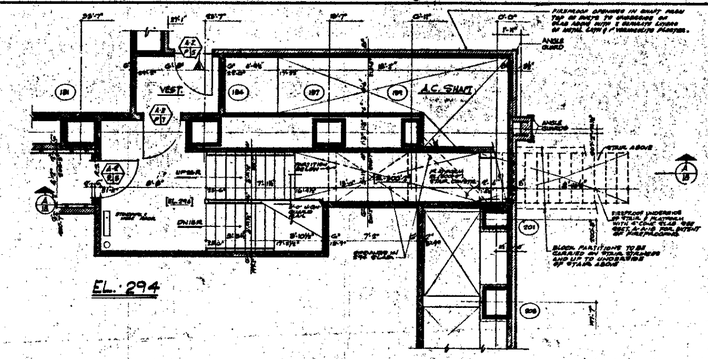
THE PORT OF NEW YORK AUTHORITY

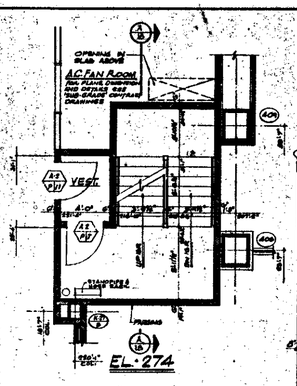
MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PATRON UTILITIES, FUNERAL HOMES

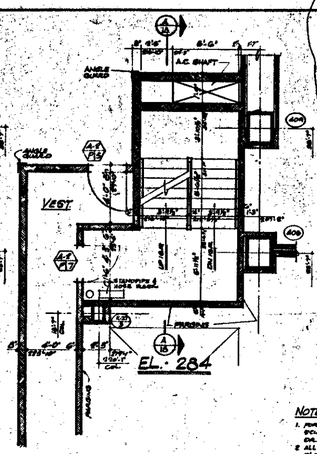
TITLE: SERVICE LEVEL CORE PLAN
ELEVATION 21'-0"

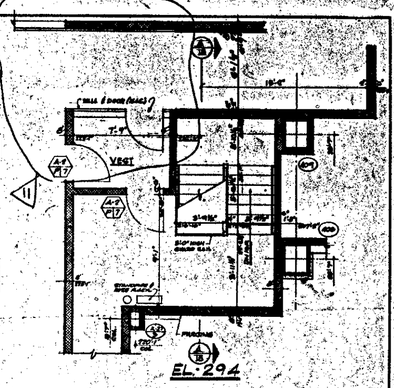
DRAWN — CHECKED — SCALE 1/16" = 1'-0" — DATE — PROJECT NUMBER — DRAWING NUMBER A-A-17

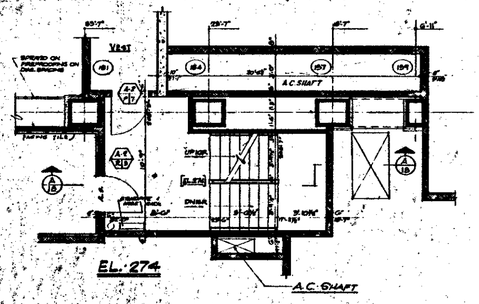


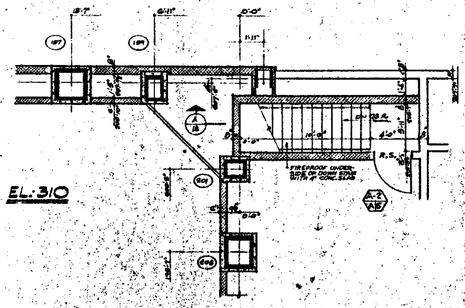


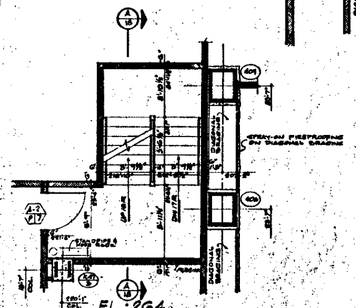






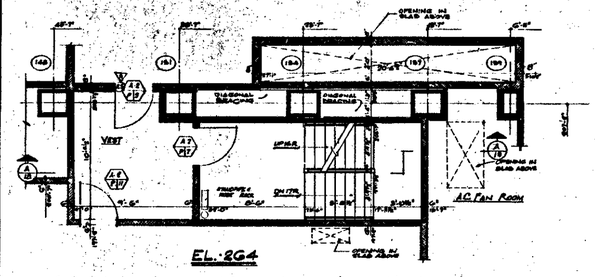


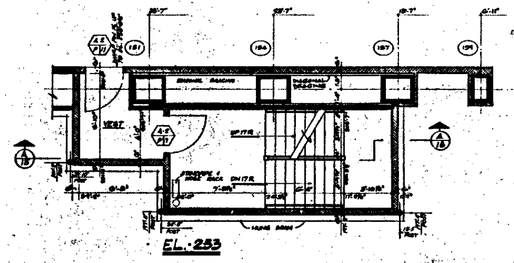


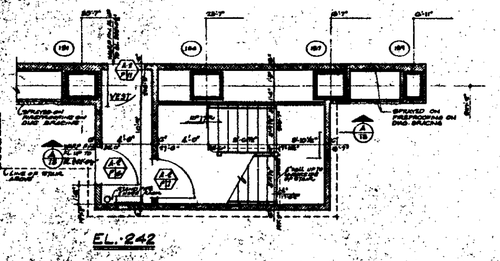


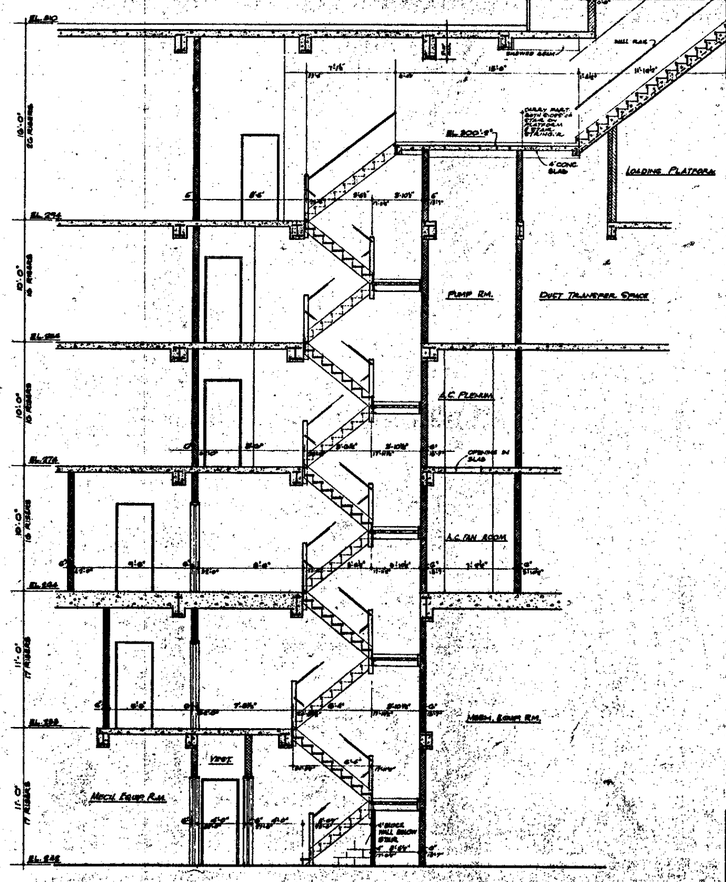
NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, WINDOW SCHEDULE DOOR SCHEDULE, AND REFERENCES OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.5.
2. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.
3. FOR TYPICAL STAIR DETAILS SEE DWGS. A-2.40-204 AND A-2.40-206.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE SUBMITTED DRAWINGS.
5. GLAZED AND CONCRETE BLOCK HIGHWAY UNITS SHALL BE USED IN LIEU OF FACING TILE AS INDICATED ON PLANS. THE TOTAL THICKNESS OF GLAZED HIGHWAY UNITS SHALL BE EQUAL TO TOTAL THICKNESS OF FACING TILE PLUS HIGHWAY BACK-UP.

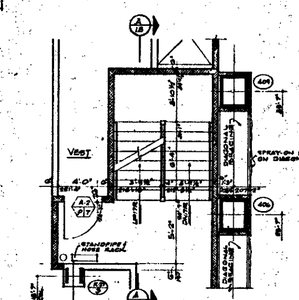


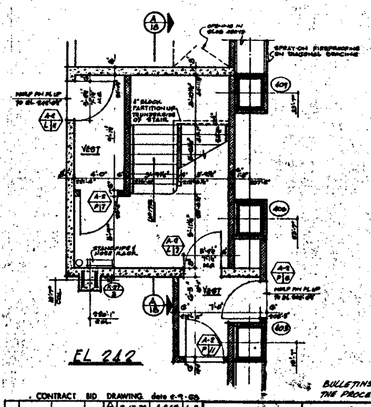


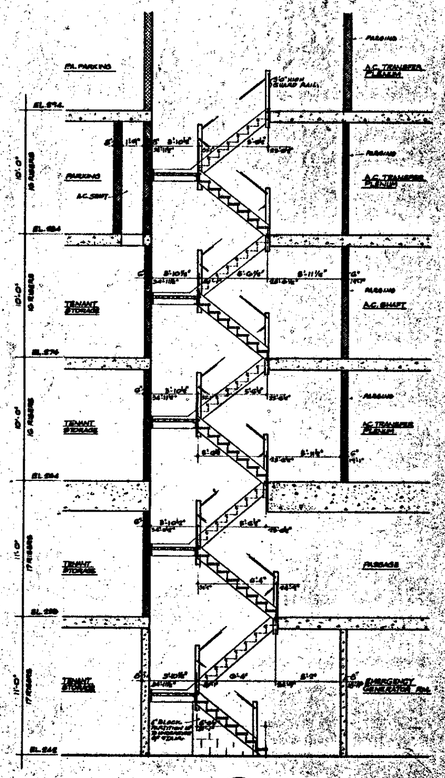




SECTION (A-A / 18) STAIR · J-4







SECTION (A-A / 18) STAIR · K-1

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
		CONTRACT BID DRAWING date 6-1-68	
1	7-17-73	A-245	L.B.
2	1-30-70	A-46	L.M.
3	1-30-70	A-47	L.M.
4	4-11-69	A-28	L.M.L.
5	1-15-69	A-18	R.T.J.
6	11-1-68	A-11	H.M.
7	8-1-68	A-10	C.G.
8	6-26-68	A-9	H.G.
9	4-19-68	A-7	C.G.
10	5-8-73	84-305	C.G.
11	5-18-68		L.M.L.

REVISIONS

APPROVED

CHIEF PLANNING ENGINEER
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

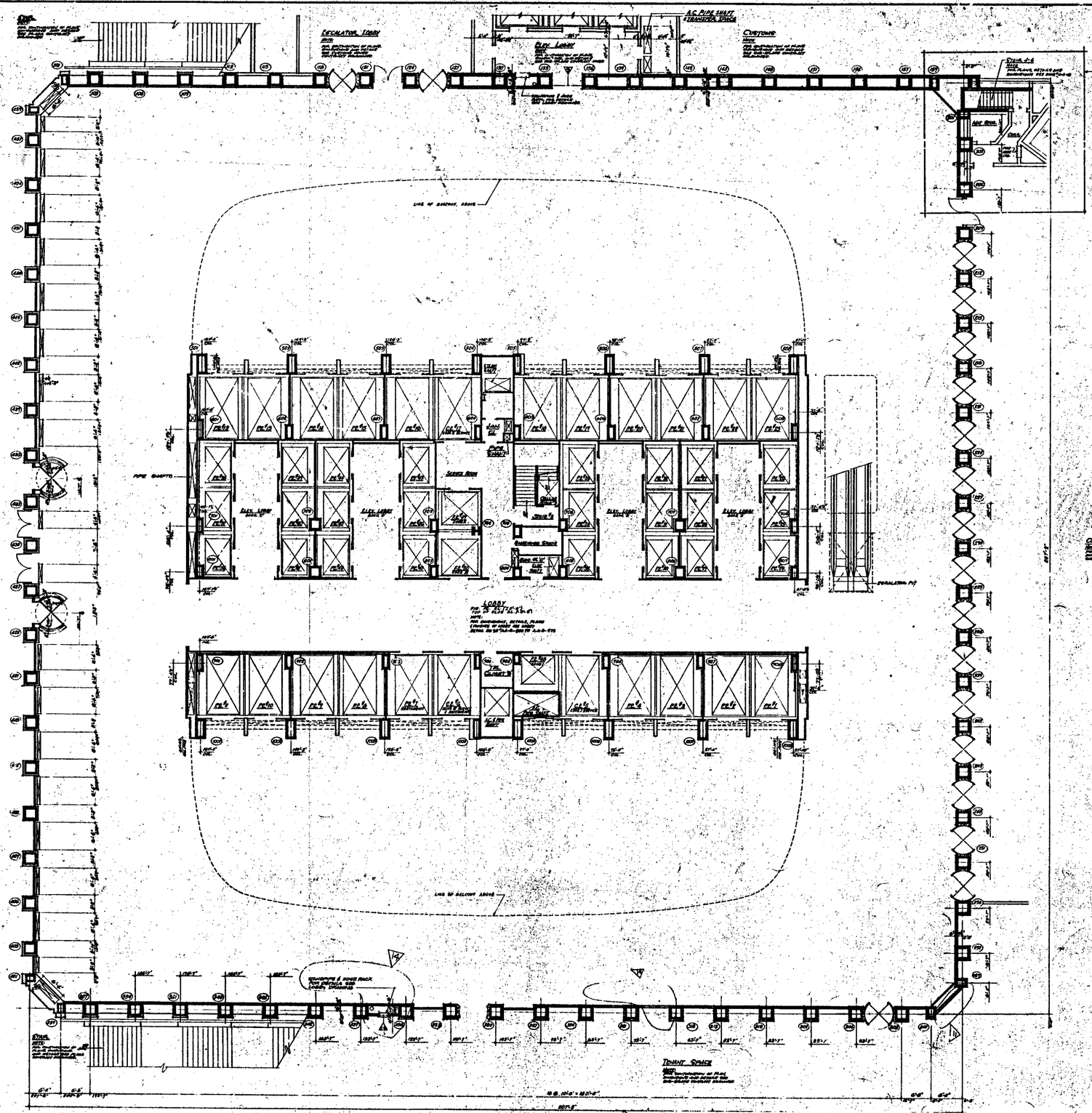
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: PLANS & SECTIONS STAIRS J-4 & K-1

DRAWN | CHECKED
SCALE 1/4" = 1'-0" | DATE 7-26-73
PROJECT MANAGER | QUANTITY
ENGINEER IN CHARGE

A-A-16



NOTES :

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.5
2. FOR COMPLETE DIMENSIONS "A-B" NOTES "W" CORE - BRASS DIA. 8" SMALL CORE DRAWINGS A-1.01 AND A-1.02A.
3. ALL ELEVATIONS GIVEN THUS (100'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FINISH FLOOR, ELEVATION AND TOP OF SLAB ELEVATIONS ARE TO BE AS SHOWN ON CORE DRAWINGS UNLESS OTHERWISE NOTED.
6. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, UTILITY, PASSAGES ETC., BOTTOM ELEVATION OF ALL FINISHED CEILINGS SHALL BE MAINTAINED AT 8'-0" MINIMUM ABOVE FINISH FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
7. ALL WALLS AND PARTITIONS SHOWN NOT NOTED AS BEING INCLUDED IN THIS CONTRACT, ALL WORK NOTHING PERIMETRAL WALLS OF TOWER, SHOWN DIMENSIONED IS IN A SEPARATE CONTRACT BY OTHERS, WHERE WORK BY OTHERS INTERFACES WORK IN THIS CONTRACT, CONTRACTOR SHALL COORDINATE ALL WORK SO THAT COMPLETE WORK IS CONTINUOUS AND UNBROKEN. DIMENSIONS (FROM CORE WALL BY OTHERS UNLESS OF TOWER) ARE FOR COORDINATION ONLY.

CONTRACT NO. DRAWING date 6-9-69

NO.	DATE	BY	REVISIONS
1	11-17-71		A-200
2	9-11-70		A-1
3	5-13-70		A-75
4	1-12-70		A-77
5	10-28-69		A-25
6	10-8-69		A-28
7	9-1-69		A-11
8	7-28-69		A-1
9	6-1-69		A-9
10	5-15-69		

NO.	DATE	BY	REVISIONS

SIGNED ARCHITECT — STATE OF NEW YORK — REGISTERED

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — EMERY ROTH & SONS
MINORU YAMASAKI, ARCHITECT — RICHARD ROTH, ARCHITECT

HOUSTON, SKILLING, HELLE & HOUSTON — JAROS, BAUM, BOLLES
STRUCTURAL ENGINEERS — MECHANICAL & ELECTRICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — THE PORT OF NEW YORK AUTHORITY
CIVIL & STRUCTURAL ENGINEERS — PAVING, UTILITIES, FOUNDATIONS

TITLE: 1st FLOOR PLAN
ELEVATION 110'-0"
"CONCOURSE" LEVEL

SCALE 1" = 1'-0" — DATE 6-9-69 — DRAWN — CHECKED — APPROVED

A-1.01

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWING A-A.01 TO A-A.08.
2. FOR COMPLETE 1st SHELL FLOOR PLAN SEE DRAWING A-A.19.
3. ALL DIMENSIONS GIVEN THUS (1'-0") ARE IN PLASTER OR FINISH FACES.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE SUBSIDIARY DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A-A.10-.20 AND A-A.8-.06.
6. ALL SILL HEIGHTS, ELEVATIONS & TOPS OF GLASS ELEVATIONS ARE TO FACE UNLESS OTHERWISE SHOWN OR NOTED.
7. VERIFY ALL FURRING, SOFFIT & SHELF DIM., SIZES AS W. CLIENTS.
8. STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL RAMPS AND SLOPING SHALL BE MAINTAINED AT 8'-6" MINIMUM ABOVE FINISHED FLOOR, TO ALLOW FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL DOOR OPENING.
9. CAULK REQUIRED ON ALL BEAM PROJECTIONS OVER 4" MINIMUM OF FACING & PARTITIONS IN PLUMBING SHAFTS AND WALLS BY PLUMBING TO FROM HORIZONTAL, SEE TYPICAL DETAILS.
10. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A.8-.06 TO A-A.8-.09.

PIPE DUCT AND CONDUIT SPACE

DUCT AND COND SPACE

DUCT SHAFT

LOBBY

STEAM SHAFT & PIPE SHAFT

SERVICE ROOM

PIPE SHAFT

UNFINISHED SPACE

TEL CLOSET 'B'

A.C. PIPE SHAFT

A.C. DUCT SHAFT

BULLETINS (NOT DATED ARE IN THE PROCESS OF COMPLETION)

CONTRACT	BID		DRAWING	date 4-1-80
			1-30-70	A-17
			10-29-71	A-25
			8-22-73	A-25
			8-22-73	A-17
			6-11-74	A-17
			4-6-77	A-18
2-16-73	A-33.5	LJL	5-1-78	A-10
6-8-73	A-18.6	RT	9-20-78	A-5
9-1-77	A-23.5	LJL	4-19-79	A-6
1-12-78	A-17	DLG	5-11-79	A-6

NO.	DATE	SHT. NO.	BY
REVISIONS			

NO.	DATE	SHT. NO.	BY
REVISIONS			

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
RAPID RAIL TRANSIT, FOUNDATIONS

1/8"=1'-0"

1st FLOOR CORE PLAN
ELEVATION 30'-0"
CONCOURSE LEVEL

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-30-67
PROJECT DIRECTOR		DATE	
DRAWING NO.	A-A.20		

NORTH

NOTES

1. FOR GENERAL NOTES KEY TO MATERIALS & GENERAL ABBREVIATIONS SEE DRAWING A-0.01 TO A-0.03
2. FOR MECHANICAL AND ELECTRICAL SHAFT SEE SEPARATE DRAWINGS
3. A. FOR TYPICAL WALL DETAILS SEE DRAWINGS A-0.04 AND A-0.05
   B. CURB REQUIRED ON ALL AIR PENETRATIONS OVER 48" HORIZONTAL (OPENING) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE 12" MINIMUM FROM HORIZONTAL. SEE TYPICAL DETAILS
4. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-0.06 TO A-0.07

PIPE, DUCT AND CABLE SHAFT

DUCT SHAFT

UPPER PART OF LOBBY

DUCT SHAFT

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT 3RD DRAWING date 6-9-66

1	6-15-71	A-105	D.T.
2	1-20-70	A-67	L.J.
3	12-20-69	A-25	[illegible]
4	5-23-69	A-17	[illegible]
5	1-2-69	A-17	J.W.L.
6	6-2-68	A-28	J.W.L.
7	6-11-68	A-40	J.W.L.
8	4-29-68	A-2	J.W.L.
9	3-15-68	A-2	J.W.L.

NO. - DATE - SUB. NO. OF REVISIONS

NO. DATE SUB. NO. OF REVISIONS

APPROVED: CHIEF, PLANNING DIVISION — DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

NINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

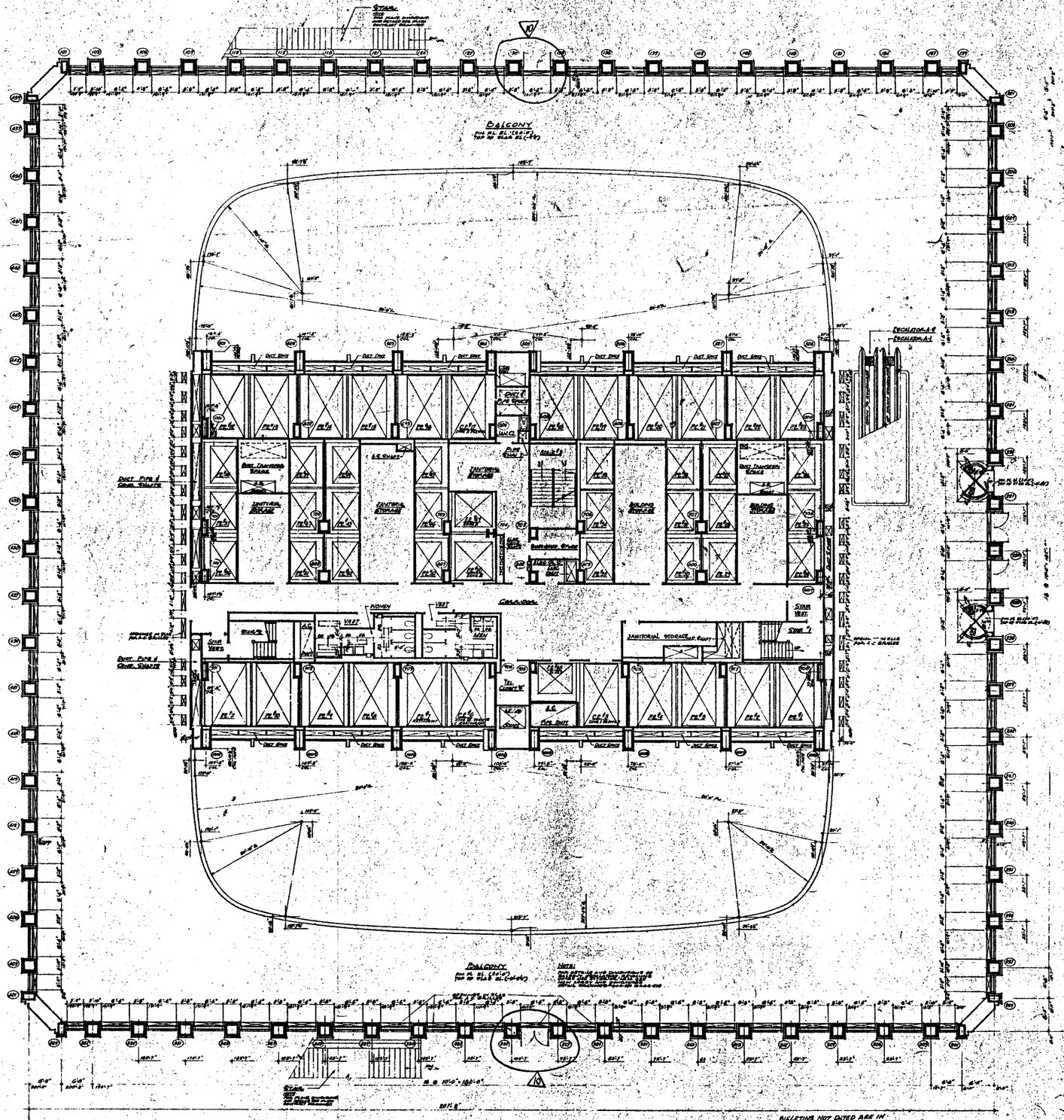
THE PORT OF NEW YORK AUTHORITY — PAVING, STRUCTURES, FOUNDATIONS

1/8"-1'-0"

TITLE: FIRST FLOOR INTERMEDIATE LEVEL PLAN (ELEVATION +61'-0")

DRAWN		CHECKED	
SCALE	1/8"-1'-0"	DATE	1-20-69
PROJECT ENGINEER			
PROJECT ARCHITECT			

DRAWING NO. A-A-20A



NORTH

NOTES:

A. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND NUMBERS OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.6

B. FOR COMPLETE DIMENSIONS AND NOTES IN WORK AREA SEE 1/8" SCALE CORE DRAWINGS A-1.1-02

C. ALL ELEVATIONS GIVEN THUS (100'-0") ARE IN RELATION TO THIRD FLOOR

D. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE SUBTRADES DRAWINGS

E. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (20'-0") UNLESS OTHERWISE SHOWN OR NOTED

G. WHERE NO SUSPENDED CEILING IS CALLED FOR, SLAB AS IN CLOSETS, STAIR LANDINGS ETC., BOTTOM ELEVATION OF ALL BEAMS AND DUCTWORK, SHALL BE MAINTAINED AT 8'-6" MINIMUM ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

BALCONY

NOTES:

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	DESCRIPTION	BY
		CONTRACT BID+ DRAWING date 4-2-66	
1		A-47	MH
2	1-11-74	A-595	L.J.
3	12-16-70	A-575	L.J.
4	10-8-70	A-548	L.B.
5	6-18-71	A-458	D.G.
6	1-30-70	A-47	L.J.
7	5-19-69	A-56	R.L.
8	8-4-67	A-68	J.V.L.
9	2-28-68	A-2	J.V.L.
10			J.V.L.

REVISIONS

APPROVED: CHIEF, PLANNING DIVISION — DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

CRAPPER & LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 2nd FLOOR PLAN
ELEVATION 337'-0"
PLAZA LEVEL

1/8"=1'-0"

DRAWN: [illegible] CHECKED: [illegible]
SCALE: 1/8" DATE: [illegible]
PROJECT NUMBER: [illegible]
RELATED WORK: [illegible] DRAWING NO.: A-A 21

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIAL, SYMBOL, ABBREVIATIONS PLASTER THRESHOLDS, DOOR SCHEDULES AND SCHEDULES OF FINISHES SEE DRAWINGS A-0.01 TO A-0.04
2. FOR ENLARGED 1/8" SCALE PLANS, PLAN SEE DRAWINGS A-2.01 TO A-2.03
3. ALL ELEVATION GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LEGEND SEE ARCHITECTURAL DRAWINGS.
5. FOR TYPICAL TOILET DETAILS SEE DRAWINGS A-2.01-04 AND A-2.02-04.
6. FOR FLOOR ELEVATION & TOP OF SLAB ELEVATIONS AND CEILING HEIGHTS SEE SECTIONS ON DRAWINGS A-3.01 TO A-3.03
7. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CORRIDORS, STORE ROOMS, ETC. BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" MINIMUM ABOVE FINISHED FLOOR TO PROVIDE FOR HEAD CLEARANCE AND CLEARANCE OF FULL HEIGHT DOORS.
8. ESCUTCHEONS REQUIRED ON ALL EXPOSED PIPES PENETRATING WALLS, FLOORS, CEILINGS, ETC. WHERE SUCH PIPES ARE INSULATED, ESCUTCHEONS SHALL BE OF SUFFICIENT DIAMETER TO PROVIDE FOR PASSAGE OF INSULATION AND SHALL BE SECURELY FASTENED TO PIPE.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-2.01-04 TO A-2.02-04.

DUCT SHAFT

DUCT PIPE AND COND SHAFT

DUCT AND COND SHAFT

BALCONY

BALCONY

DUCT TRANSFER SPACE

DUCT TRANSFER SPACE

JANITORIAL STORAGE

JANITORIAL STORAGE

BUILDING STORAGE

BUILDING STORAGE

UNFINISHED SPACE

CORRIDOR

STEAM SHAFT

DUCT SPACE

DUCT SPACE

DUCT SPACE

DUCT SPACE

DUCT SPACE

DUCT SPACE

DUCT SPACE

DUCT SPACE

BULLETINS "NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING date 12-9-68
		1-20-70 A-17 L.A.
		5-21-69 A-3E DL.
1-11-71	A-3E3 L.A.	8-21-69 A-2E L.L.P.
12-16-70	A-2TE L.A.	8-19-69 A-1.7 L.L.P.
10-2-70	A-3E8 L.B.	2-1-69 A-17 J.V.L.
6-29-70	A-1.8B O.A.	2-1-69 A-1.8 J.V.L.
5-21-70	A-1.8A D.T.	8-1-68 A-1.8 D.S.
4-1-70	A-1.2B L.T.	8-28-68 A-2 D.S.
11-6-70	A-1.0B L.A.	8-28-68 A-2 D.S.
5-15-70	A-1.2B L.A.	8-16-68 L.A.L.

REVISIONS

REVISIONS

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

SYNSTELIEN, CRELLING, VOSS & JACKSON — STRUCTURAL ENGINEERS

LEROY, BAUM & GREELEY — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY, PAVING, UTILITIES, FOUNDATIONS

TITLE: 2ND FLOOR CORE PLAN

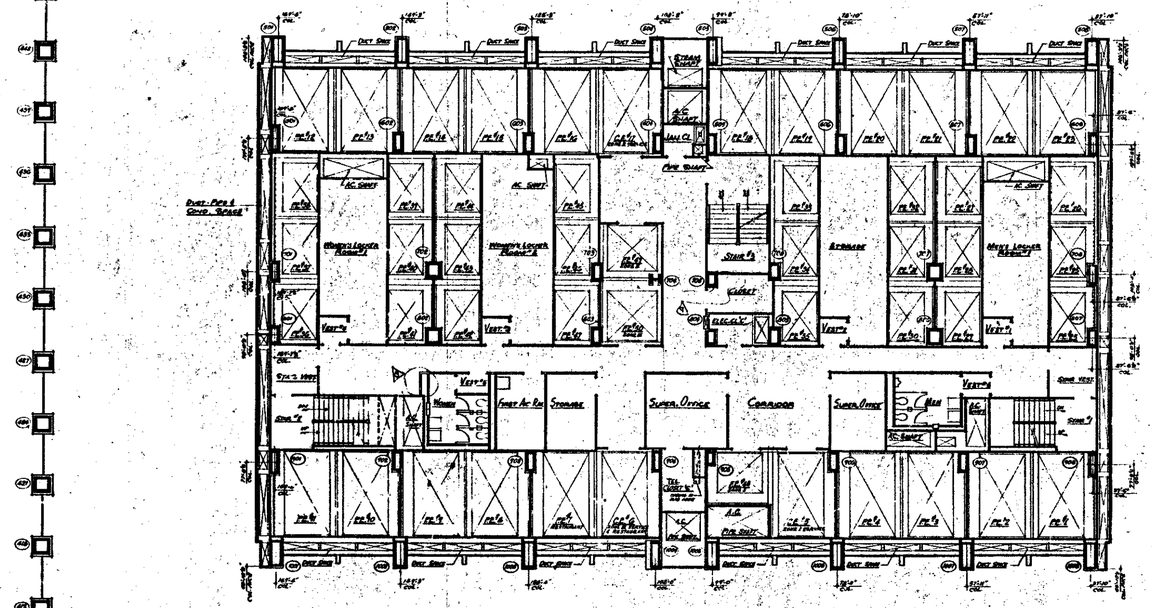
ELEVATION 33'0"

PLAN LEVEL

SCALE: 1/16" = 1'-0"

PROJECT NUMBER

DRAWING NUMBER: A-A-22



UPPER PART OF LOBBY

NOTE:
FOR LOWER PART OF LOBBY SEE DRAWING A-2.1

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND DESIGNATION OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.6.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 'A' SERIES CORE DRAWING A-A-0.6.
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

CONTRACT NO. DRAWING Date 4-9-68

NO.	DATE	DRAWING NO.	BY
1	6-18-71	A-106	D.G.
2	5-13-70	A-78	A.M.
3	1-30-70	A-88	L.L.
4	1-30-70	A-87	L.L.
5	5-23-69	A-33	L.L.
6	9-29-69	A-85	L.L.M.
7	6-11-69	A-98	L.M.L.
8	4-17-68	A-9	D.G.
9	5-15-68		L.M.L.

REVISIONS

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

TITLE: 3rd FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/16"	DATE	7-28-67
PROJECT NUMBER		SHEET	OF
CONTRACT NUMBER		A-A-23	

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS AND/OR SCHEDULES, SEE DRAWING A-0.1 TO A-0.3.
2. FOR ENLARGED 3rd FLOOR PLANS SEE DRAWING A-4.23.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE ELECTRICAL AND MECHANICAL DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-4.6-.9 AND A-4.6-.91
6. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE (-0.17) UNLESS OTHERWISE SHOWN OR NOTED.
7. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, STAIR LANDINGS ETC. BOTTOM ELEVATION OF ALL PIPES AND THE UNDERSIDE OF ALL BEAMS AND FURRED AREAS SHALL BE ESTABLISHED AT 8'-0" ABOVE NEAT FINISHED FLOOR TO ALLOW FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL DOOR OPENING.
8. UNITS STAMPED IN ALL DOOR JAMB JUNCTION BOXES 3/4" MINIMUM (3" ACTUAL) PROJECTION IN ELEVATOR SHAFTS AND SHALL BE MARKED 1ST FLOOR, HORIZONTAL SEE TYPICAL DETAILS.
9. FOR TYPICAL PARTITIONS DETAILS SEE DRAWINGS A-A.8-.606 TO A-A.8-.610.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 6-9-66

NO.	DATE	DWG. NO.	BY
		5-15-67	A-33	L.L.
		5-23-67	A-23	S.L.P.
		5-29-67	A-26	S.L.P.
		5-29-67	A-17	S.L.P.
		6-9-67	A-17	-V.L.
1	6-16-71	A-1006	D.S.	2	6-16-71	A-1006	D.S.
2	8-18-70	A-72	L.M.	3	8-17-67	A-10	C.G.
3	8-18-70	A-79	L.M.	4	8-23-67	A-5	C.G.
4	11-30-70	A-88	L.L.	5	9-29-67	A-2	C.G.
5	12-30-70	A-97	L.L.	6	11-6-67		V.L.

REVISIONS

APPROVED:

CHIEF, PLANNING DIVISION

DATE

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THE PORT OF NEW YORK AUTHORITY

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MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

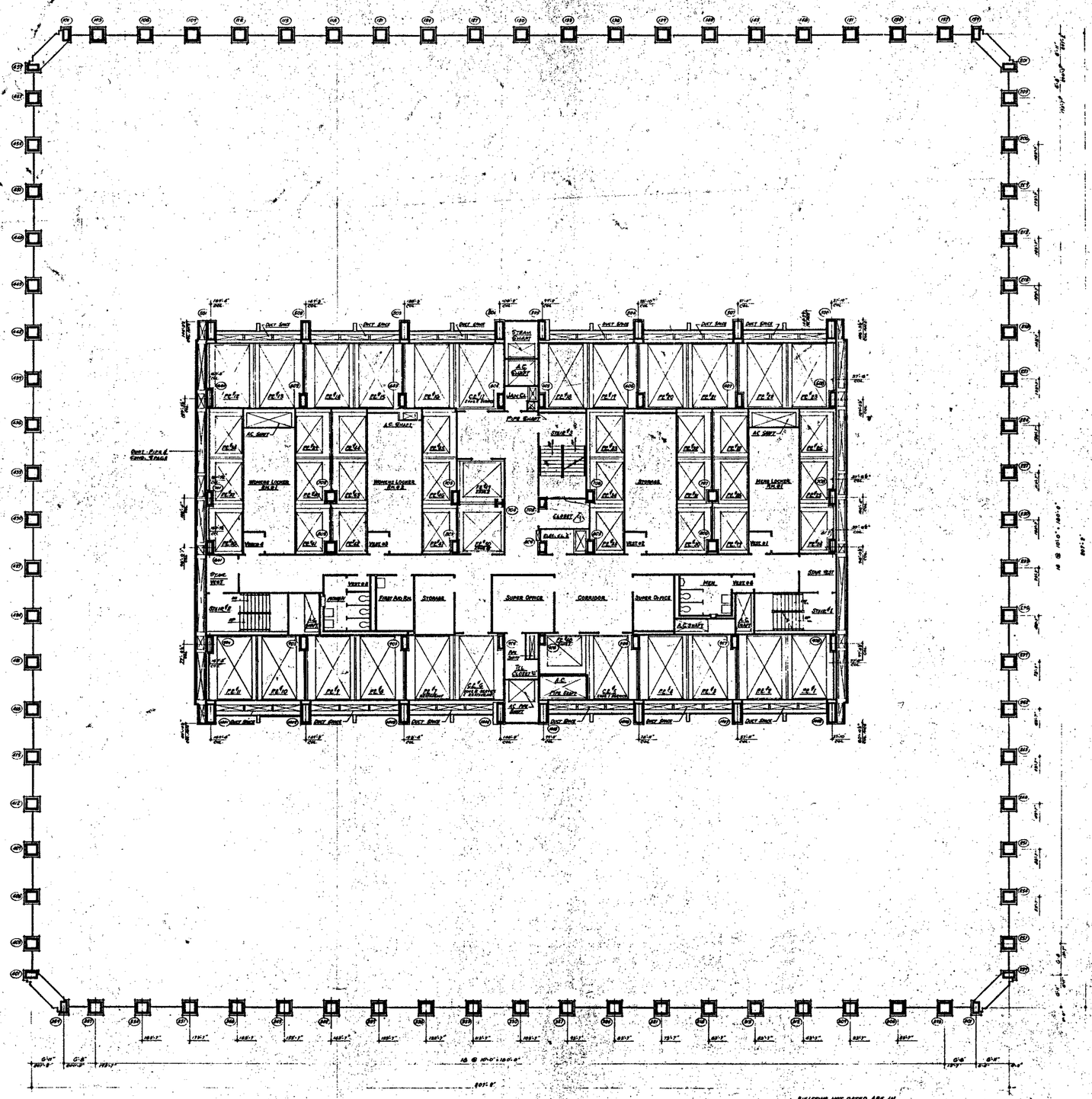
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PLANNING, UTILITIES, FOUNDATIONS

TITLE: 3RD FLOOR CORE PLAN

DESIGN | CHECKED
SCALE: 1/8"=1'-0" | DATE: 7-20-67
PROJECT NUMBER | SHEET
DRAWING NUMBER: A-A.24


NORTH
STAIR
A.C. SHAFT
A.C. SHAFT
PIPE SHAFT
DUCT SPACE
DUCT SPACE
DUCT SPACE

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SYMBOLS OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.4.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING A-4.26
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL TOILET DETAILS SEE DWGS. A-4.0-304 AND A-4.0-306.
6. FINISH FLOOR ELEVATION 1 (TOP OF SLAB ELEVATION) AS (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
7. WHERE RECESSED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STORE, PASSAGE ETC., BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" MINIMUM TO PROVIDE FOR EITHER CEILING FIXTURES AND CORNICES OR FOR PLENUM SPACE.
8. CANTS ALLOWED ON ALL SOLID PARTITIONS OVER 24" IN LENGTH (EXCEPTING DIMENSIONS IN ELEVATION) CANTS AND WALLS BE MINIMUM 7'0" FROM FINISH WALL. SEE TYPICAL DETAILS.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-4.0-306 TO A-4.0-309

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date 2-9-68
		1 10-1-70	A-17 L.H.
		2 5-13-67	A-32 Mann
		3 5-29-69	A-23 Mann
		4 8-22-69	A-26 Mann
		5 6-11-69	A-17 J.V.L.
		6 6-11-69	A-69 J.V.L.
6-15-71	A-194	7 8-1-69	A-10 D.G.
5-13-70	A-79	8 6-22-66	A-5 D.G.
5-13-70	A-79	9 4-22-66	A-5 D.G.
1-20-70	A-59	10 8-18-65	J.V.L.

REVISIONS

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APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

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EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

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MECHANICAL ENGINEERS

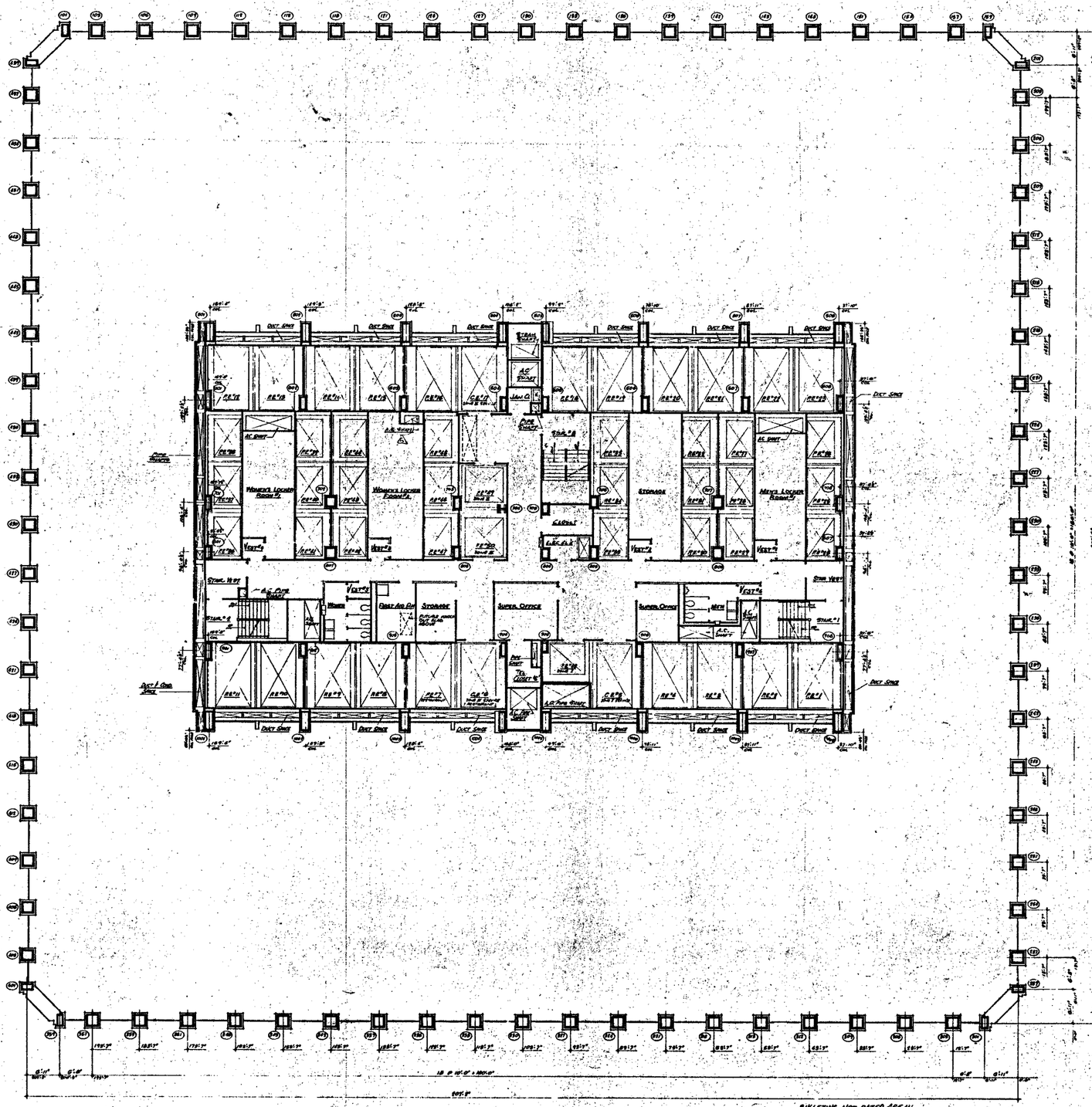
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"-1'0" 0 2 4 8 16 32

TITLE: 4TH FLOOR CORE PLAN

DESIGNED		DRAWN	
SCALE	1/8"=1'0"	DATE	7-31-67
PROJECT LEADER		CHECKED	
DRAWING NUMBER	A-A-26		



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, STANDARD ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SYMBOLOGY OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.4.
2. FOR CONCRETE CONSTRUCTION AND COLUMN SIZES SEE STRUCTURAL CORE DRAWING S-A-0.05.
3. ALL ELEVATIONS WITH (THIS SYMBOL) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE APPROPRIATE SUBSIDIARY DRAWINGS.
5. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (SHOP) UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILING ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL BEAMS AND CONSTRUCTION SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF PIPE, HEIGHT CHANGES, ETC.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
1	8-18-70	A-78	LM
2	10-30-70	A-89	LM
3	11-30-70	A-97	LM
4	2-22-71	A-98	LS
5	3-17-66	A-8	JRB
6	3-18-66		LML

REVISIONS

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PAVING, UTILITIES, FOUNDATIONS

TITLE: 5TH FLOOR PLAN

DRAWING A-A-27

SCALE 1/16" = 1'-0"

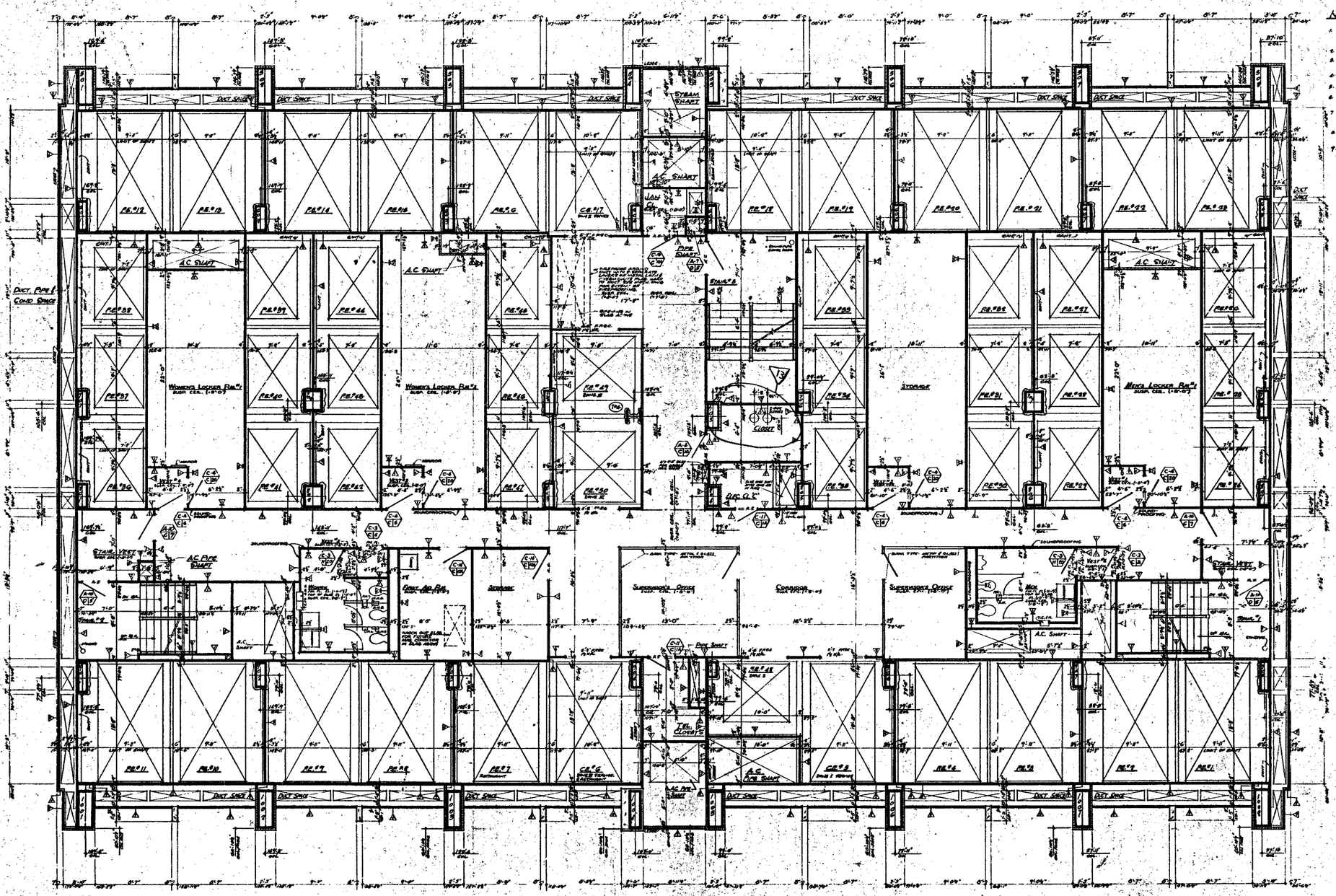
DATE 7-24-71

CHECKED

DRAWN

PROJECT NO.

CHECKED



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FLOOR THICKNESS, CURB, THRESHOLD AND TERRAZZ DIVISIONS SEE DRAWING A-0.1 TO A-0.5
2. FOR COMPLETE "S" SERIES FLOOR PLAN SEE DRAWING A-2.27
3. ALL ELEVATIONS ("EL." THUS (EL 0'-0")) ARE IN RELATION TO FLOOR PLANS.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE ARCHITECTS' DRAWINGS OF SAME.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-0.10 AND A-0.11
6. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE (SLAB)) UNLESS OTHERWISE SHOWN OR NOTED.
7. SHEET TO SHEET CHANGES ARE CALLED FOR SUCH AS N CORNER, STAIR RISERS ETC BOTTOM ELEVATION OF ALL FIRES AND RECESSES SHALL BE CONFORMED AT FLOOR ABOVE UNLESS NOTED OTHERWISE. SEE SECTIONS FOR ADDITIONAL INFORMATION
8. CANTS REQUIRED ON ALL BEAM PROJECTIONS OVER 24" MINIMAL (3"MINIMAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 12" FROM HORIZONTAL SEE TYPICAL DETAILS
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-0.10 TO A-0.11

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPILATION

CONTRACT	BID	LAWNING	date 9-1-66
		1 1-20-70	A-22 L.H.
		2 1-30-70	A-17 L.H.
		3 2-23-69	A-28 L.E.
		4 5-23-69	A-23 [illegible]
		5 8-22-69	A-25 [illegible]
		6 6-11-69	A-17 J.K.S.
		7 8-1-68	A-19 D.G.
A 5-1971	A-104	8 2-12-68	A-26 D.G.
A 5-8-70	A-28	L.H. 9 2-26-68	A-9 [illegible]
A 5-12-70	A-28	L.H. 10 8-8-69	[illegible]

NO.	DATE	SUB. NO.	BY
REVISIONS			

NO.	DATE	SUB. NO.	BY
REVISIONS			

APPROVED
CHIEF, PLANNING DIVISION
DATE

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MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

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ELECTRICAL ENGINEERS

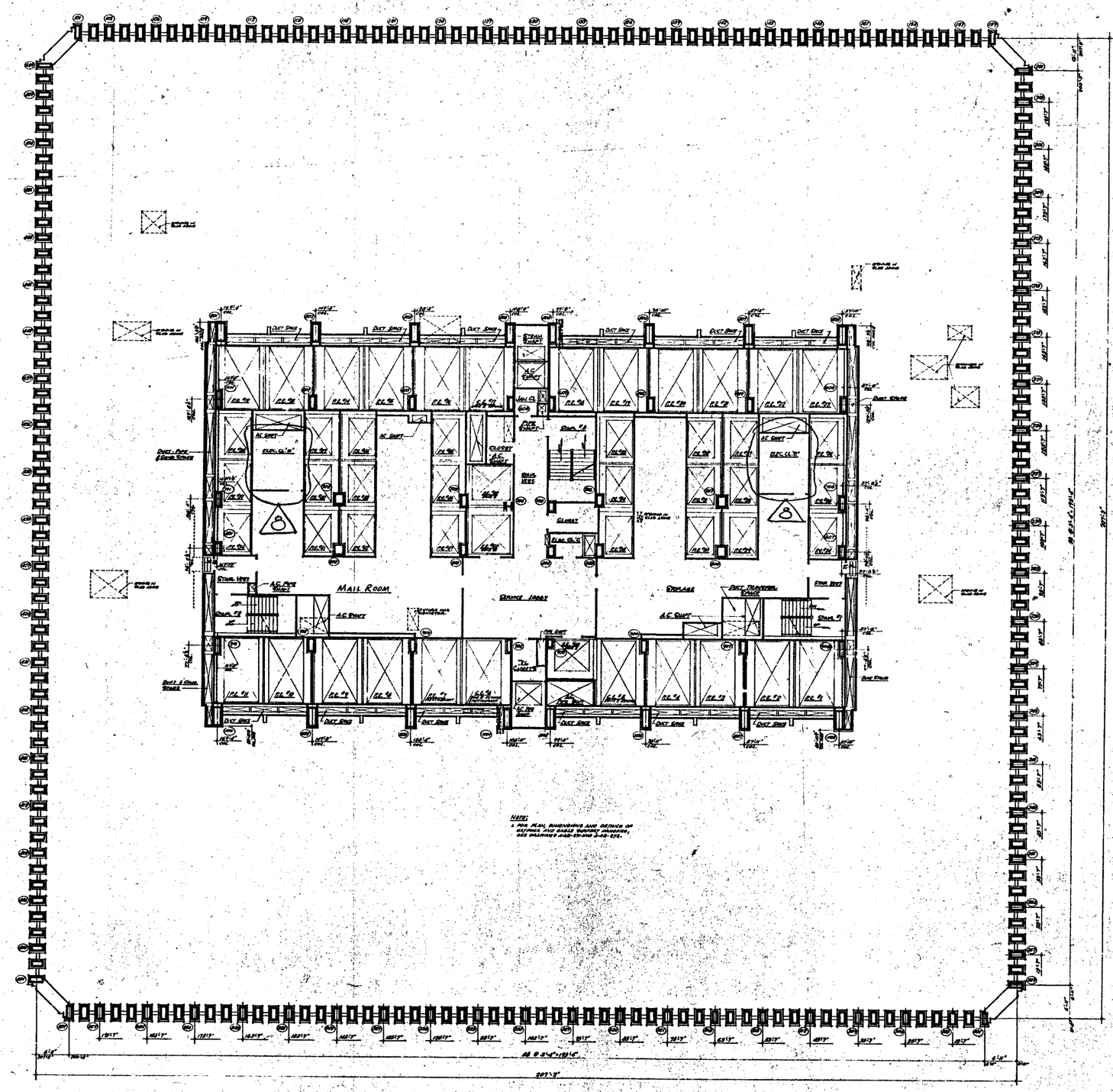
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'0"

TITLE: 5TH FLOOR CORE PLAN

DRAWING
SCALE: 1/8"=1'-0"
PROJECT DIRECTOR
DRAWN BY
CHECKED
DATE: 7-30-69
SHEET OF

A-A-28



NOTE:
1. FOR PLAN, DIMENSIONS AND DETAILS OF RECESS AND EARLY WARNING SYSTEMS, SEE DRAWINGS A-2.0-1 AND A-2.0-1.01.

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, PARTS, FINISHES, DOOR, HARDWARE AND SCHEDULES SEE DRAWING SEE DRAWING A-0.1-1 TO A-0.1-3
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA, SEE 4" SCALE CORE DRAWING A-2.0-1.01
3. ALL ELEVATIONS GIVEN THUS (21'-6") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE SUBMITTAL DRAWINGS.
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS 21'-0"(100'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SLAB AS IN SLABS, STAIR, PLENUMS ETC., BOTTOM ELEVATION OF ALL PIPING AND CONDUITS, SHALL BE MAINTAINED AT 8'-6" MINIMUM ABOVE FINISHED FLOORS, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

REFLECTING "AS BUILT" DATA AS IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING - date 6-9-65

NO.	DATE	REVISIONS	DWG. NO.	BY
1	6-1-71		A 122	LEB
2	8-18-70		A-78	LM
3	1-30-70		A-83	LM
4	1-30-70		A-87	LM
5	5-23-69		A-82	[illegible]
6	1-11-69		A-94	LVL
7	5-29-68		A-8	DG
8	2-13-68		A-1	LVL

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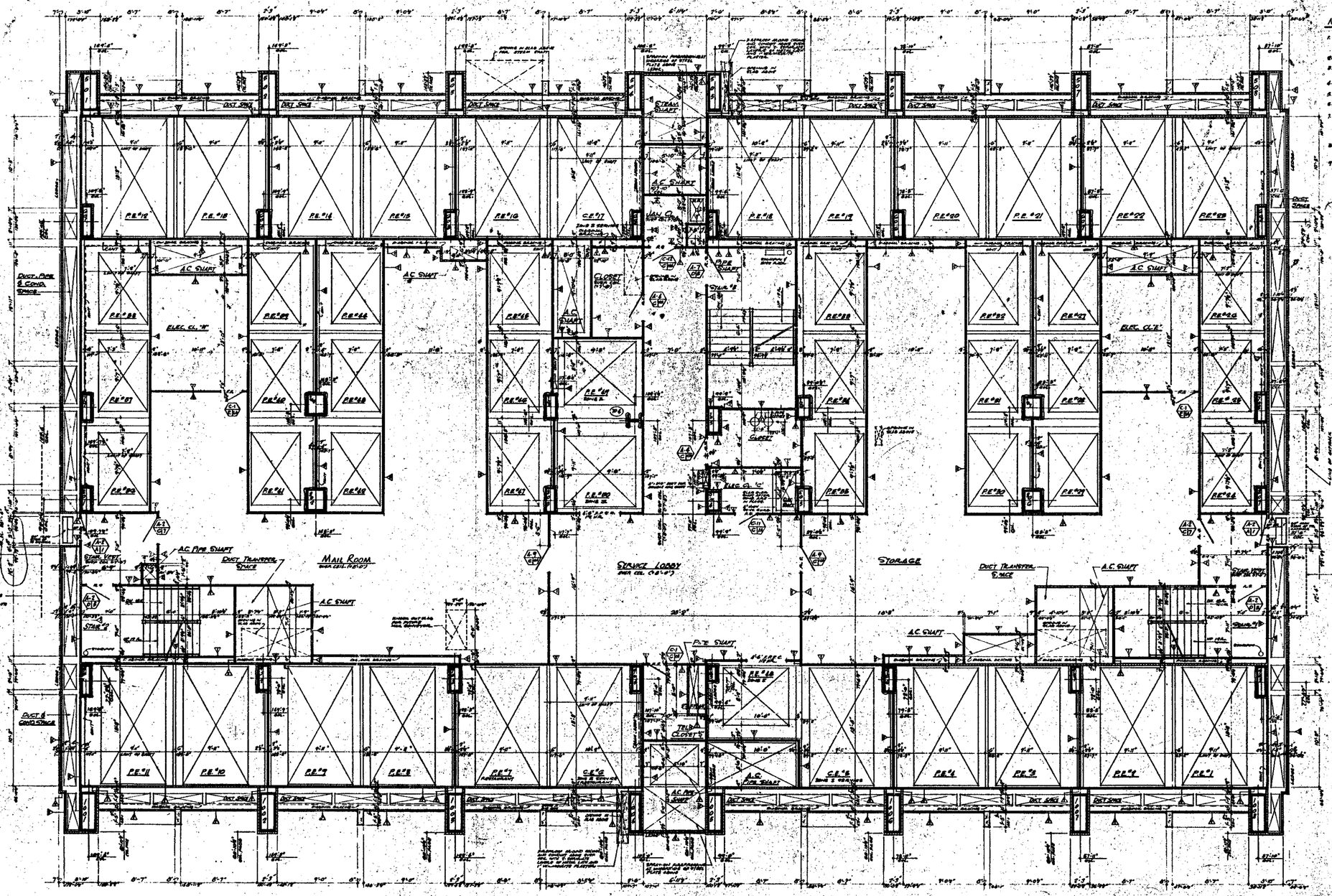
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 6TH FLOOR PLAN

DESIGN | DRAWN | CHECKED
SCALE 1/16"=1'-0" | DATE 7-21-67
PROJECT DEVELOPMENT | DRAWING NO.
WORKING DRAWINGS | A-A-29



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.4.
2. FOR CONCRETE 9" SLAB ALIGN. PLAN SEE DRAWINGS A-2.09
3. ALL ELEVATIONS GIVEN THUS (26'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE ALTERNATIVE SYMPHONIE DRAWINGS.
5. FOR TYPICAL TOILET DETAILS SEE DWGS A-A.6-TH AND A-A.6-TOI.
6. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE GIVEN) UNLESS OTHERWISE SHOWN OR NOTED.
7. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC, WITH ELEVATION OF ALL PIPING AND DUCTWORK, WALLS ARE MAINTAINED AT 9'-2" ABOVE FINISHED FLOOR, TO PROVIDE FOR PROPER CEILING INSTALLATION AND CLEARANCE OF ALL LIGHT FIXTURES.
8. CENTER LINE ALIGNED ON ALL MAIN PARTITIONS ONLY, FOR MINOR OR ACTUAL DIMENSION IN ELEVATION, SHAFTS AND WALLS BE MEASURED TO FACE FROM ADJACENT WALL. SEE TYPICAL DETAILS.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A.6-TOI TO A-A.6-TOS

BULLETINS NOT LISTED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 6-9-66

				5-25-67	A-30	Rev.
				9-22-67	A-30	Rev.
				5-28-68	A-30	Rev.
11-27-71	A-100	L.L.		8-23-68	A-17	Rev.
6-8-71	A-10B	D.T.		6-11-69	A-17	Rev.
6-8-71	A-10A	D.T.		6-11-69	A-18	Rev.
6-1-71	A-10B	LET.		8-1-68	A-10	Rev.
2-2-70	A-10B	L.L.		5-20-68	A-6	P.3
6-26-70	A-7F	L.L.		4-17-68	A-7	Rev.
4-30-70	A-6T	L.L.		3-8-68	A-7	Rev.

NO.	DATE	DESCR. NO.	BY

REVISIONS

NO.	DATE	DESCR. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

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MINORU YAMASAKI, ARCHITECT

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MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

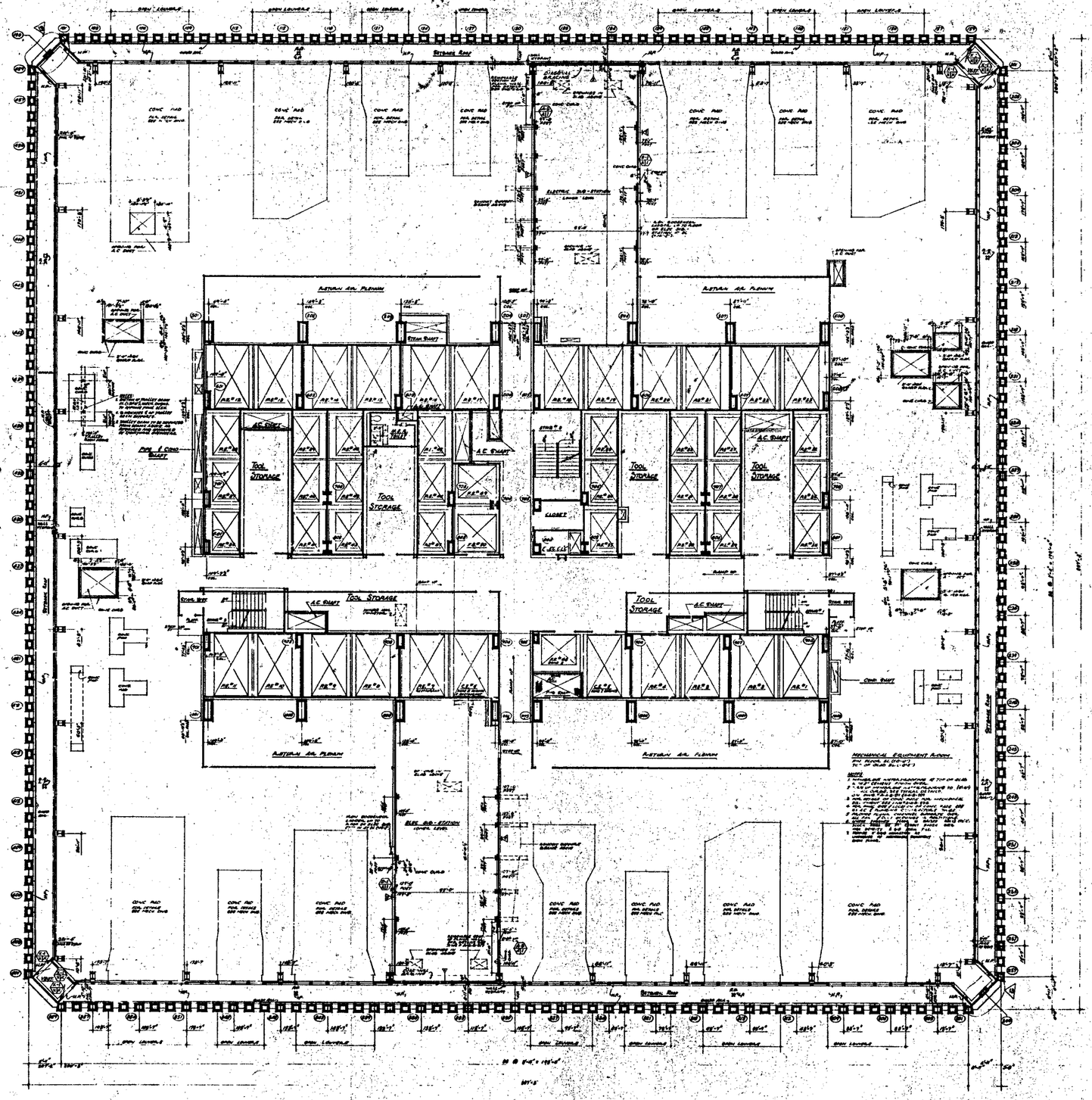
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 6TH FLOOR CORE PLAN

SCALE: 1/8"=1'-0" DATE: 7-26-67

PROJECT DIRECTOR: SHEET OF

DRAWING NUMBER: A-A-30



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS & ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.6.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWINGS A-4.1 TO A-4.5.
3. ALL ELEVATIONS GIVEN THUS (E 0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE DRAWINGS.
5. FINISH FLOOR ELEVATION (E 0'-0") TOP OF SLAB ELEVATION (E 0'-6") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE HUNG CEILING IS CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL FRAMING AND SUSPENSION SHALL BE MAINTAINED AT 9'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION CLEARANCE OF FULL HEIGHT DOORS.
7. ELEVATION TO TOP OF ALL CONCRETE CURBS TO BE (E 0'-0") UNLESS OTHERWISE SHOWN OR NOTED.

BUILDINGS AND GROUNDS ARE IN THE PROCESS OF EXPLOSION

CONTRACT NO. DRAWING date 1-1-66

NO.	DATE	SUB. NO.	BY
10	5-15-70	A-06	A.L.
9	5-15-70	A-79	A.L.
8	1-30-70	A-36	L.L.
7	1-30-70	A-97	L.L.
6	8-22-69	A-27	Gen.
5	1-31-69	A-88	L.L.
4	9-1-68	A-8	M.M.
3	6-26-68	A-5	D.S.
2	4-17-68	A-9	D.S.
1	3-15-68		L.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM, BOLLES — MECHANICAL & ELECTRICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 7th FLOOR PLAN — LOWER, MAIN EXHIBIT HALL LEVEL

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

DRAWING NO. A-A-31

NORTH

NOTES

1. FOR GENERAL NOTES KEY TO NOTES & SYMBOLS, ABBREVIATIONS, FLOOR, BOUNDARY & AXIS DIMENSIONS AND DESIGNATIONS OF DRAWINGS SEE DRAWING A-0.1 TO A-0.5
2. FOR COMPLETE "E" SERIES PLANS SEE DRAWING A-1.01
3. ALL DIMENSIONS GIVEN THUS (10'-0"-0") ARE IN RELATION TO FINISH FLOORS.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE DRAWING SHEET NOS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. A-2.5-106 AND A-2.5-206
6. FINISH FLOOR ELEVATION (10'-0") TOP OF SLAB ELEVATION (10'-0"-3") UNLESS OTHERWISE SHOWN OR NOTED.
7. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN TOILETS, STAIRS, MECHANICAL ETC., BOTTOM ELEVATION OF ALL FINISHED DIRECTIONAL SIGNS TO BE LOCATED AT 8'-0" ABOVE FINISHED FLOOR. TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. JOINTS ARE REQUIRED IN ALL SLAB PILASTER AND WALL BY VERTICAL (E-ASTRIC) DIMENSION N RELATION TO JOINTS AND SHALL BE MINIMUM 75" FROM INTERSECTIONS SEE TYPICAL DETAILS.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A.01-106 TO A-A.01-116
10. ELEVATION TO TOP OF ALL CONCRETE CURBS TO BE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED

NOTES

1. SPRINKLER WATERPROOFING AT TOP OF SLAB 1/2" OR 1" CONDIT
2. TYPE OF ADHESIVE WATERPROOFING TO BE (3/4") AT ALL CONDIT. SEE TYPICAL DETAILS ON DWG. A-2.5-101, (2.5-2.201)
3. FOR DEPTH OF SUMP PUMP FOR REFERENCE, FOOTNOTE DWG. A-2.5-106
4. FOR FINAL SIZE & LOCATION OF CONCRETE PADS SEE M.E.P.C. & PLUMBING CONTRACTORS DRAWINGS.
5. REMOVE FLOOR, CEILING SUPPORTS, ALL PIPE & DUCT BRACING IN PARTITIONS SEE DETAILS A-A.01-106
6. WHERE FINISHED FLOOR IS RAISED ABOVE (10'-0"), FLOOR SHALL BE 3/4" CEMENT FINISH OVER AND DENSITY RAISED SLAB FILL.
7. PROVIDE 2" RIGID INSULATION AT UNDERSIDE OF MECHANICAL EQUIPMENT ROOM FLOOR.

MECHANICAL EQUIPMENT ROOM

Col. #702 & #707

Col. #705

Col. #802 & #806

Col. #805

COLUMN DETAILS

CONTRACT NO.	DRAWING - date 6-1-68
1. 69-76 A-201	1-70-70 A-47
2. 1-75 A-267	2-70-C1 A-17
3. 1-76-76 A-159	2-70-C1 A-17
4. 1-70-71 A-222	2-73-C1 A-23
5. 6-71 A-164	1-71-69 A-17
6. 1-6-70 A-108	1-71-69 A-93
7. 1-8-70 A-85	11-1-68 A-8
8. 1-9-70 A-79	6-1-68 A-10
9. 1-25-71 A-89	6-1-68 A-6
	6-13-68 A-6
	6-1-68

DATE - SHL. NO - BY

REVISIONS

BULLETINS NOT LISTED ARE IN THE PREVIOUS 24" SUBMISSION

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES, MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS, RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON, STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES, LIGHTING CONSULTANTS

JAROS, BAUM & BOLLES, MECHANICAL ENGINEERS

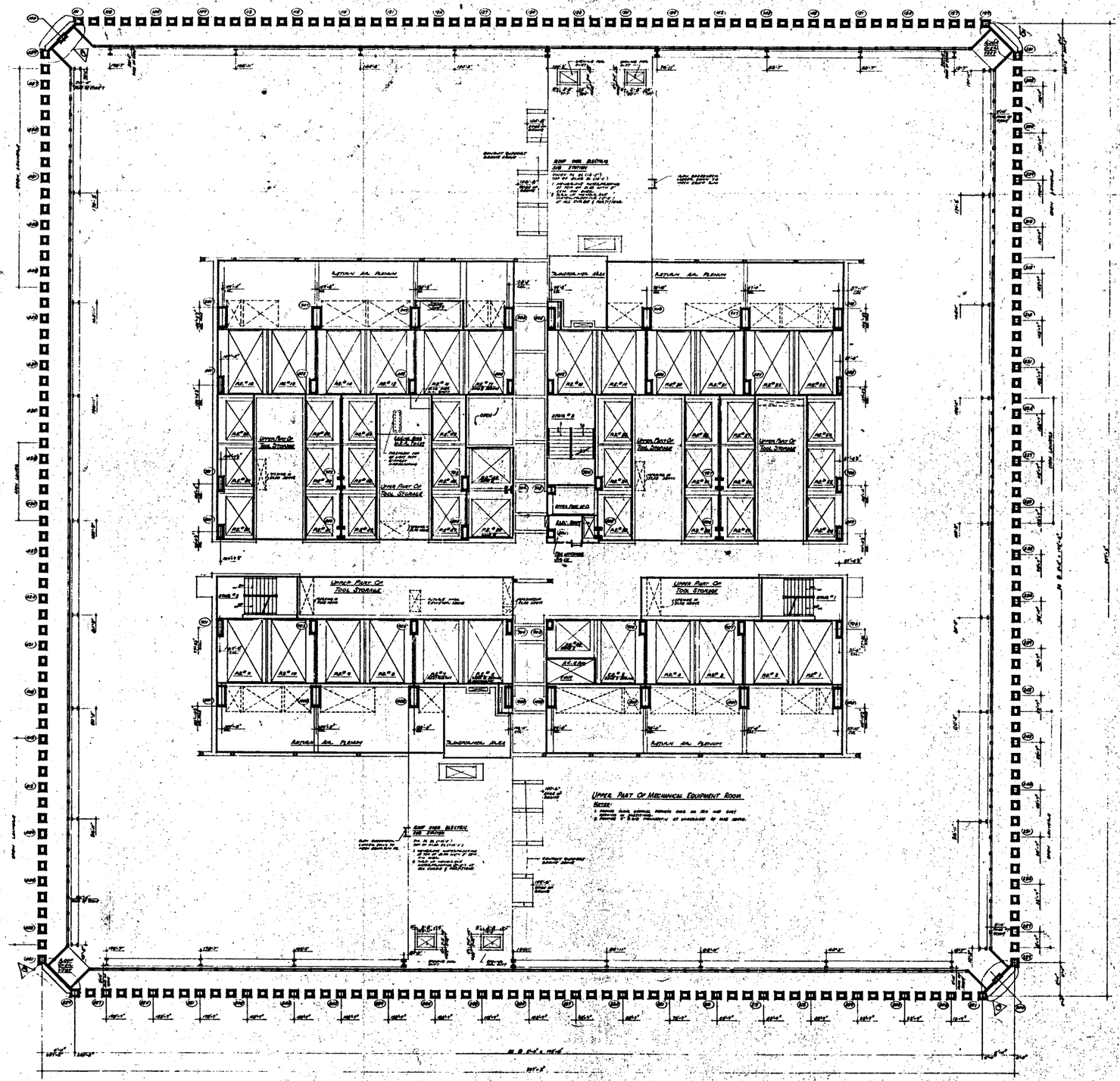
THE PORT OF NEW YORK AUTHORITY, AVIAT. UTILITIES/FOUNDATIONS

TITLE: 7TH FLOOR CORE PLAN

LOWER MECH EQUIP & ELEC SUB-STA LEVEL

SCALE: 1/16" = 1'-0"

DRAWING NO. A-A-32



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.6.
2. FOR COMPLETE DIMENSIONS AND NOTES, IN CASE MISS. OF SCALE USE DRAWING A-1.82.
3. ALL ELEVATIONS GIVEN THUS (5'-0 1/2") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER DRAWINGS.

BUILDING NOTE DATED ARE IN THE PROCESS OF COMPLETION.

NO.	DATE	DWG. NO.	BY

REVISIONS

NO.	DATE	DWG. NO.	BY
4	6-18-70	A-816	DB
3	2-27-70	A-306	L.J.
2	1-30-70	A 223	L.C.
1	8-15-70	A-68	B.H.
1	1-30-70	A-43	L.J.
1	1-30-70	A-88	L.J.
0	11-25-69	A-87	B.H.
0	11-1-68	A-11	M.H.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 8TH FLOOR PLAN
UPPER MECHANICAL LEVEL

DRAWN: [illegible] CHECKED: [illegible]
SCALE: 1/8"=1'-0" DATE: 7-29-67
PROJECT NUMBER: [illegible] SHEET NO.: A-A-33

LOOP OVER ELEC SUB-STATION

RETURN AIR PLENUM

TRANSFORMER AREA

RETURN AIR PLENUM

UPPER PART OF TOOL STORAGE

UPPER PART OF TOOL STORAGE

UPPER PART OF TOOL STORAGE

UPPER PART OF TOOL STORAGE

UPPER PART OF TOOL STORAGE

UPPER PART OF TOOL STORAGE

RETURN AIR PLENUM

TRANSFORMER AREA

RETURN AIR PLENUM

LOOP OVER ELEC SUB-STATION

North

NOTES

1. FOR GENERAL NOTES SEE 1ST DRAWING, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND ENLARGED PLANS SEE DRAWINGS A-1.1 TO A-1.6
2. FOR CONCRETE 'S' SLABS FOR PLAN SEE DRAWINGS S-2.1-2.20
3. ALL ELEVATIONS SHOWN THUS (120'-0") ARE IN RELATION TO FINISH 1ST FLOOR.
4. FOR ARCHITECTURAL AND MECHANICAL LEGENDS SEE ARCHITECTURAL DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWG. S-2.6-2.14 AND S-2.5-2.15
6. CONCRETE SLAB REINFORCED IN ALL BEAM PROJECTIONS OVER TWO INCHES (2") DEPTH) SHRINKAGE REINFORCEMENT CONSISTS AND SHALL BE MAXIMUM 72" FROM ORIGINAL SEE TYPICAL DETAILS.
7. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-2.0-2.06 TO A-2.0-2.12

UPPER PART OF MECHANICAL EQUIPMENT ROOM

NOTES

1. PROVIDE PLASTIC CHANNEL SUPPORTS OVER ALL NON-LOAD BEARING PARTITIONS
2. PROVIDE 6" BOARD INSULATION AT UNDERSIDE OF SLAB.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION.

CONTRACT NO			DRAWING	Date 6-9-66
			1-10-70	A-17 L.H.
			1-20-70	A-25 L.H.
			2-20-67	A-23 E.L.P.
			6-23-67	A-27 E.L.P.
4-29-70	A-304	DS	2-6-67	A-7 J.V.L.
1-20-71	A-253	L.J.	2-6-67	A-29 J.V.L.
1-20-71	A-222	L.C.	11-1-68	A-11 W.G.
5-8-71	A-186	D.P.	8-1-68	A-1" D.G.
3-10-70	A-64	A.H.	4-24-68	A-8 D.G.
5-15-70	A-79	L.H.	5-13-68	J.V.L.

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — EMERY ROTH & SONS
MINORU YAMASAKI, F. AIA ARCHITECT — RICHARD ROTH, ARCHITECT

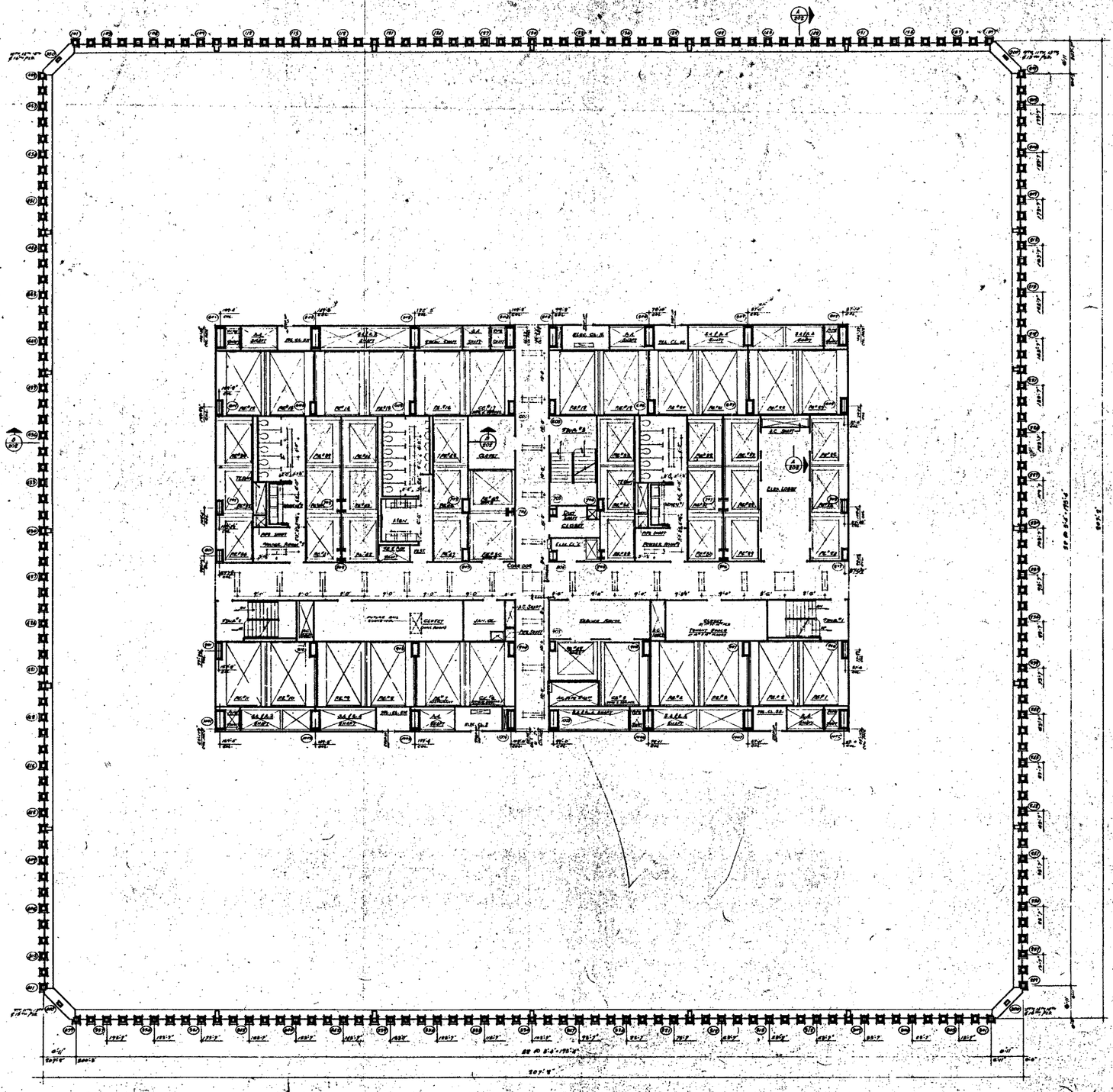
WORTHINGTON, SKILLING, HELLE & JACKSON — JAROS, BAUM & BOLLES
STRUCTURAL ENGINEERS — MECHANICAL ENGINEERS

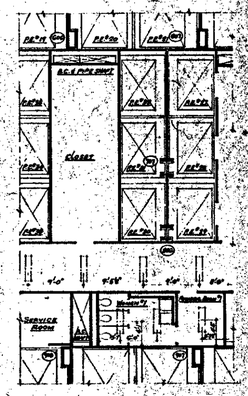
JOSEPH R. LORING & ASSOCIATES — THE PORT OF NEW YORK AUTHORITY
SOILS ENGINEERS & ENGINEERS — PAVING, UTILITIES, FOUNDATIONS

TITLE: 8TH FLOOR CORE PLAN
UPPER MECHANICAL LEVEL

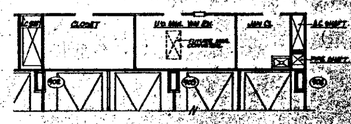
DRAWN	J.C.	CHECKED	
SCALE	1/8"=1'-0"	DATE	7-28-66
APPROVED		SHEET	OF
APPROVED			

A-A-34





PART PLAN AT 16TH FLOOR.



PART PLAN AT 16TH FLOOR

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR FREQUENCY AND WINDOW TYPE SCHEDULE SEE DRAWINGS A-0.1 TO A-0.5.
2. FOR CONCRETE DIMENSIONS AND NOTES SEE GENERAL AREA PLANS & CORE DRAWINGS A-1.01 AND A-1.02.
3. ALL ELEVATIONS GIVEN THUS (100'0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL EQUIPMENT SEE INSTRUCTION DRAWINGS READINGS
5. ALL TRENCH HEADERS TO BE PRE-POURED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'0" WITH A DEPTH AS TYPE PREPOURING. SEE ARCHITECTURAL ELEVATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND WIDTH OF TRENCH HEADER, AND TYPE OF PREPOURING.
6. CORRIDOR & TOILET LIGHTING CIRCUITS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATIONS ARE ONLY UNLESS OTHERWISE SHOWN ON NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, CHECK H.V.H. CLOSET, TOILET, NURSE'S STA., BOTTOM ELEVATION OF ALL PLENUM AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING AS INDICATED THUS [illegible]

BUILDINGS NOT DATED ARE IN THE PROCESS OF CONSTRUCTION

CONTRACT NO.	DRAWING	Rev.	DATE	SUB. NO.	BY
		6	6-18-71	A-170	EBI
		5	6-8-71	A-166	JS
		4	11-6-70	A-88	L.L.
		3	4-6-70	A-80	L.L.
		2	7-13-70	A-87	L.L.
		1	1-30-70	A-83	L.L.
			8-20-69	A-17	L.L.
			9-1-68	A-7	MW
			5-20-68	A-5	DG

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORIMO & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 9TH TO 16TH FLOOR PLAN

DRAWN | CHECKED | DATE
SCALE: 1/16" = 1'-0" | SHEET
PROJECT NUMBER | QUALITY
DESIGNED | DRAWING NUMBER: A·A·37

PART PLAN AT 9TH FLOOR

PART PLAN AT 9TH FLOOR

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS: SEE DRAWINGS # A-A-1 TO A-A-4.
2. FOR COMPLETE ¼" SCALE FLOOR PLAN SEE DRAWING # A-A-37.
3. ALL ELEVATIONS GIVEN THUS (9'-0 1/4") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERING DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS # A-A-2-201, # A-A-2-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 1'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER AND CONTRACTOR SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FL. ELEVATION & TOP OF SLAB ELEVATIONS ARE (9'-0 1/4") UNLESS OTHERWISE SHOWN ON NOTES.
8. PROVIDE SANITARY DISPOSALS IN MEN AND WOMEN TOILETS. SIZE DISTRIBUTION AT EACH LAVATORY: ACCESS DOORS TO SHAFT ENCLOSURES SHALL NOT BE LOCATED IN ACCORDANCE WITH THIS DRAWING. SEE TYPICAL TOILET DETAILS, DRAWING # A-A-2-204.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR LANDINGS, ETC., BOTTOM ELEVATION OF ALL BEAMS AND SOFFITS SHALL BE MAINTAINED AT 9'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - - - - -
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2½" HORIZONTAL (TYPICAL) DIMENSION, IN CENTER, SLANTS AND SHALL BE BEGINNING 7½" FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS # A-A-2-206, 10, A-A-2-208

COL. #806 AT 9TH FL.

COLUMN DETAILS

CONTRACT NO	DRAWING date 2-4-68		
	11-4-70	A-104	L-1
	1-20-70	A-91	L-1
	1-20-70	A-93	L-1
	8-8-70	A-97	L-1
	5-25-071	A-81	ST-1
5-6-71	5-20-071	A-106	L-1
4-6-71	5-20-07	A-17	PLMB
4-1-71	5-20-07	A-95	PLMB
1-5-70	5-1-68	A-10	ST-1
12-5-70	5-12-68	A-100	L-1
DATE	DWG. NO.	BY	

REVISIONS

REVISIONS

APPROVED

OF N.Y. PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 9TH & 10TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	FEB. 20
PROJECT ENGINEER		PROJECT NO.	
DRAWING NUMBER	A-A-38		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO SYMBOLS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF MATERIALS SEE DRAWINGS A-A-1 TO A-A-5.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING A-A-07.
3. ALL ELEVATIONS GIVEN THUS (CW-0) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STUD DETAILS SEE DWG. A-A-P-206 AND A-A-P-208.
6. ALL TRENCH HEADERS TO BE FURNISHED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE OF ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION 2" TYP. AT ALL SLOPING AREAS (ONLY UNLESS OTHERWISE SHOWN OR NOTED).
8. PROVIDE SOAP DISPENSERS IN MEN AND WOMENS TOILETS, ONE DISPENSER AT EVERY LAVATORY; ACCESS DOOR TO SOAP DISPENSER VALVE TO BE LOCATED IN ACCORDANCE WITH TILE COUPONS. SEE TYPICAL TOILET DETAILS, DRAWING A-AB-E06.
9. WATER, HOT DISPOSAL CONDUIT AND PIPING, SHOP DRAWINGS TO BE IN CLOSETS, STAIR PASSAGE ETC., BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PERMIT 7'-0" HIGH DOORS WITH 6" CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ——— ——
11. CARTO TILE ASSUMED ON ALL BEAM PROJECTIONS OVER 6", NOMINAL (ACTUAL) DIMENSIONS IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 70" FROM NON-ESSENTIAL. SEE TYPICAL DETAILS.
12. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-E06 TO A-AB-E12.

PART PLAN AT 16TH FLOOR

ELEVATION

PLAN

DETAILS OF PACKAGED TELEPHONE EQUIPMENT

PART PLAN AT 16TH FLOOR

ELEVATION OF SHELVING IN U.S. MAIL VAN ROOM

SECTION A-A

REVISIONS			BY	CONTRACT BID DRAWING date 2-9-66			
					7-10-70	A-17	L.J.
					1-30-70	A-81	L.
					1-30-70	A-86	L.
					1-30-70	A-87	L.
11-18-74	A-595	J.R.		5-13-69	A-81	ATS
12-17-71	A-300	J.C.		6-29-67	A-86	S.S.H.
6-8-71	A-778	MEL		6-29-67	A-17	MMK
6-8-71	A-176	DT		6-29-67	A-15	MMK
4-1-71	A-165	L.J.		11-1968	A-7	MJM
11-1-70	A-165	L.J.		6-1-68	A-10	DRG
DATE	DWG. NO.	BY		DATE	DWG. NO.	BY

APPROVED

CHIEF, PLANNING DIVISION (TP)

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY RAILWAYS, UTILITIES & TERMINALS

SCALE 11TH TO 16TH FL. CORE PLAN

SCALE 1/8" = 1'-0"

DRAWN

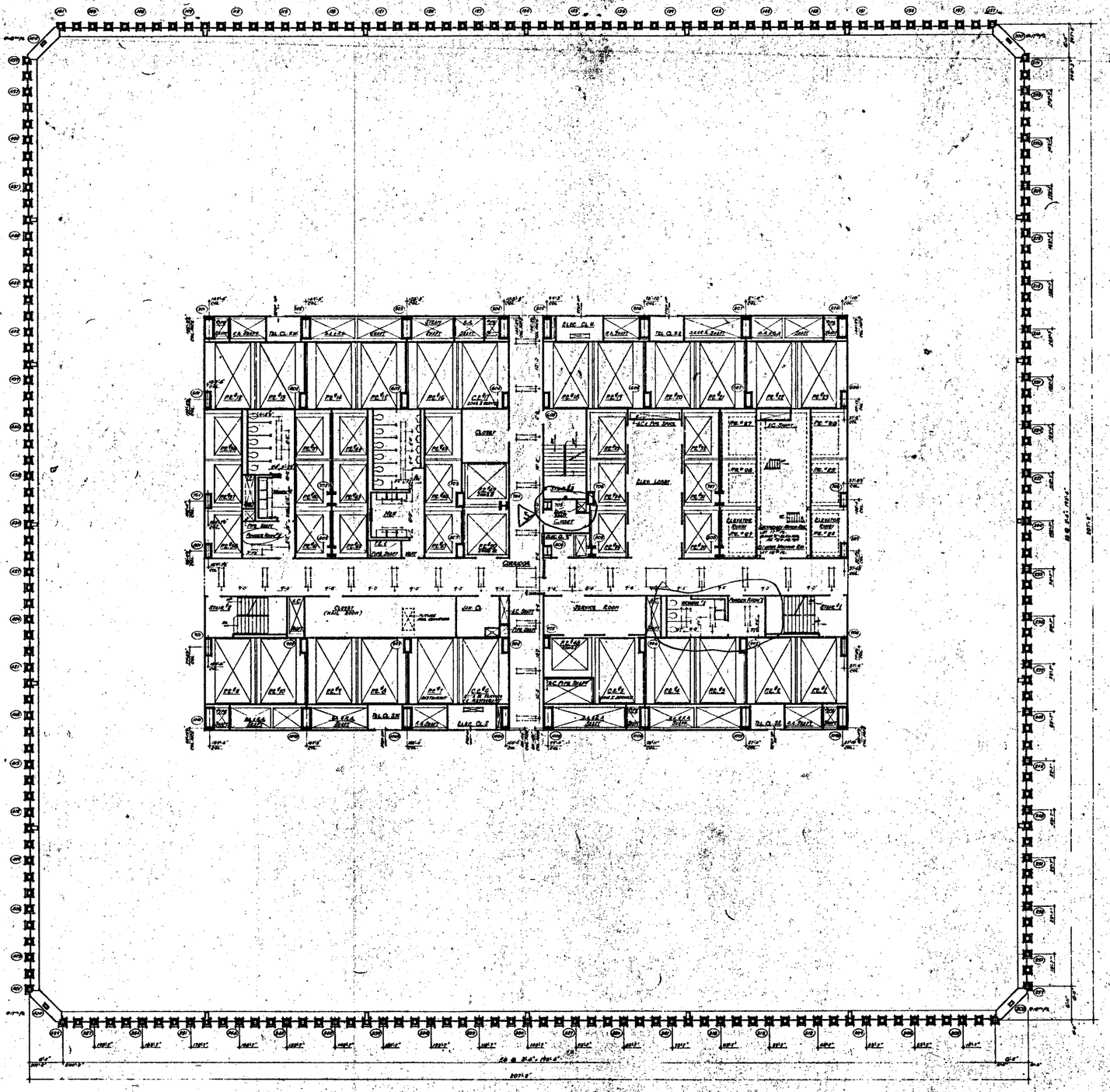
CHECKED

PROJECT

APPROVED

DATE 7-10-70

DRAWING NO. A-A-305



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, PARTITION SCHEDULES, DOOR SCHEDULES AND SYMBOLS OF DRAWINGS SEE DRAWING # A-0.1 TO A-0.4 & CORE DRAWING # A-0.41 AND A-0.42
2. FOR COMPLETE SUBDIVISIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING # A-0.41 AND A-0.42
3. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE CONTRACTS DRAWINGS
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A PRAY-DU TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND LAYOUT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR & TOILET LIGHTING AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (0'-0") UNLESS OTHERWISE NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR, MACHINE ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

QUESTIONS NOT DATED ARE IN THE PROCESS OF CORRECTION

CONTRACT NO. DRAWING date 4-9-68

NO.	DATE	DRAWING NO.	BY
1	6-8-71	A-1.05	DT
2	11-6-70	A-1.05	L.A.
3	1-30-70	A-1.05	L.A.
4	2-25-69	A-1.7	PWG
5	11-1-68	A-1.7	MAL

REVISIONS

ARCHITECT

CHIEF PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

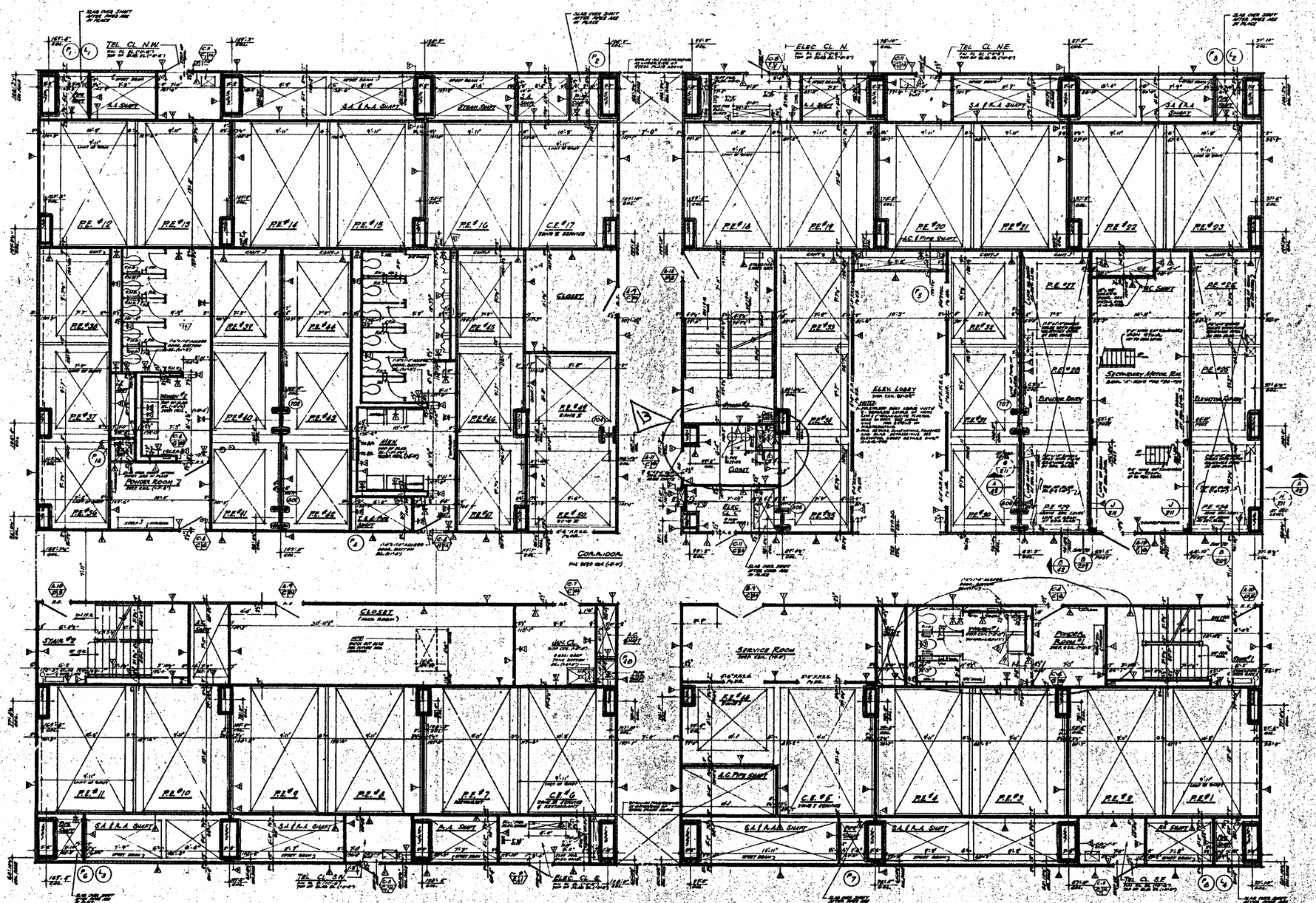
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PLANNING, UTILITIES, FOUNDATIONS

17TH & 18TH FLOOR PLAN

1/16"=1'-0" SCALE

DRAWN	CHECKED
SCALE	DATE
PROJECT NUMBER	SHEET
DRAWING NUMBER	A-A-40


NORTH
TEL. CL. N.W.
ELEC. CL. N.
TEL. CL. N.E.
P.E. #12
P.E. #13
P.E. #14
P.E. #15
P.E. #16
C.E. #17
P.E. #18
P.E. #19
P.E. #20
P.E. #21
P.E. #22
P.E. #23
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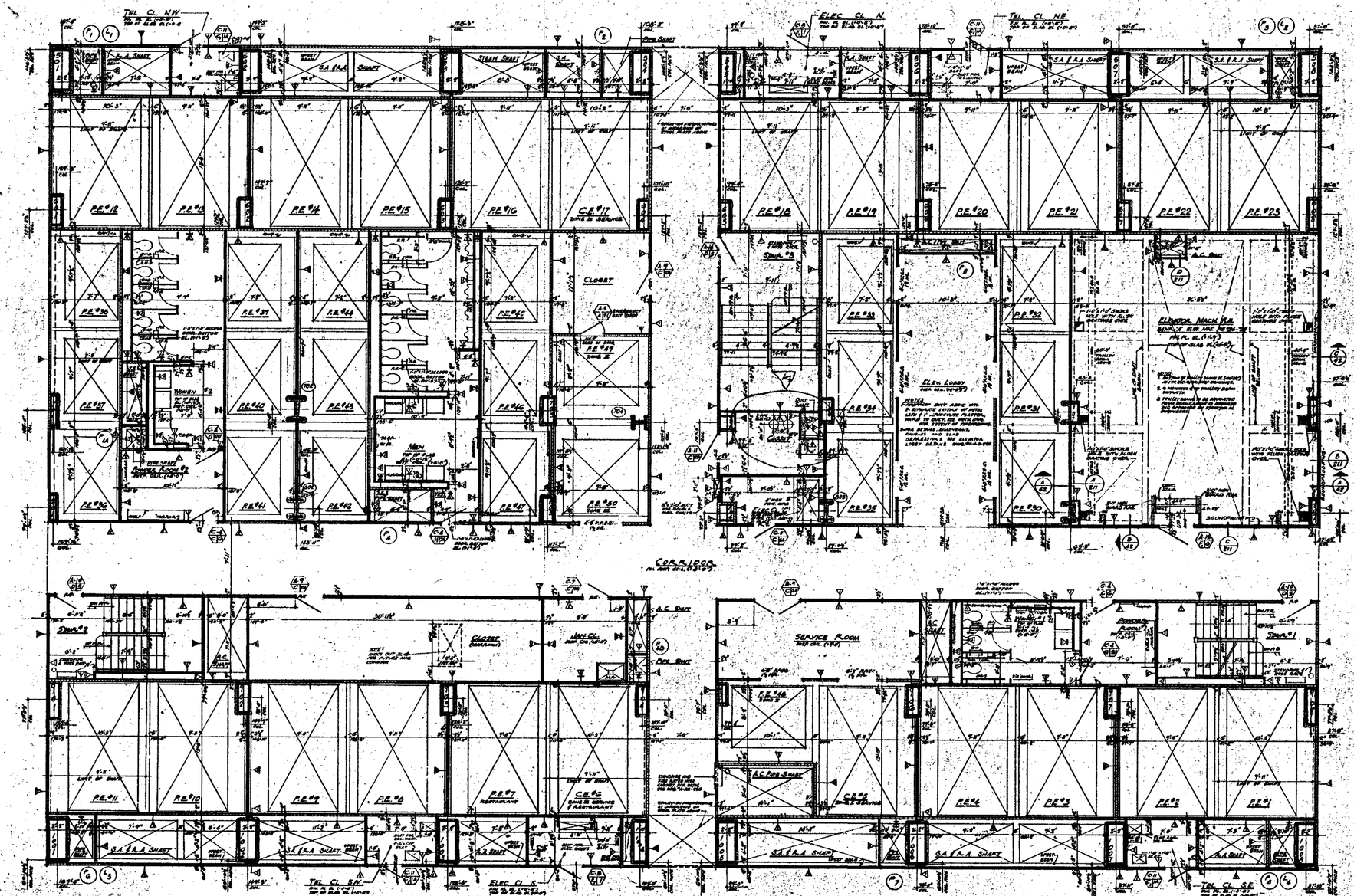
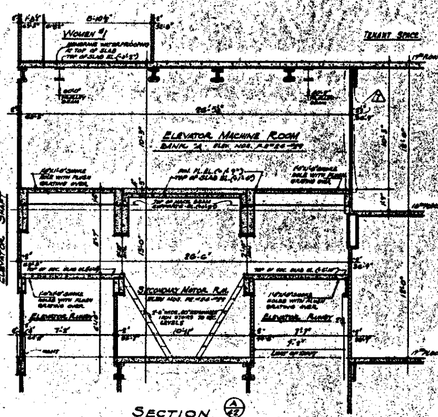
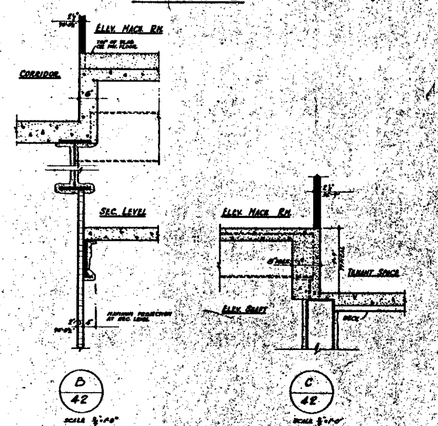






NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISHES, ABBREVIATIONS, FIRE RATINGS, DOOR SCHEDULE AND SYMBOLS OF DRAWINGS, SEE DRAWINGS A-01-1 TO A-01-5.
2. FOR COMPLETE 'Y' RISER DIAGRAM, PLAN AND DIAGRAMS A-01-06 TO A-01-08.
3. ALL DIMENSIONS SHOWN FROM CENTER LINES OF COLUMNS, WALLS AND SLABS, UNLESS OTHERWISE NOTED.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE ARCHITECTS' ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-01-201 AND A-01-202.
6. ALL TRENCH HEADERS TO BE FURNISHED AT UNDERSIDE OF SLAB AND A MINIMUM OF 6" BELOW THE FURRING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL CONTRACTOR TO COORDINATE AMOUNT AND DETAILS FOR LOCATION AND EXTENT OF TRENCH HEADER AND DEPRESSION.
7. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATIONS ARE GIVEN ONLY AT CERTAIN LOCATIONS AS INDICATED. CONTRACTOR SHALL DETERMINE ALL OTHER SUCH ELEVATIONS AS MAY BE REQUIRED FOR THE PROPER INSTALLATION OF HIS WORK.
8. SANITARY FLOOR DRAINS TO BE LOCATED AS SHOWN ON PLAN AND IN ACCORDANCE WITH THE CONDITIONS. SEE TYPICAL TOILET ROOMS DRG. A-01-210.
9. FLOOR DRAINS IN SERVICE ROOMS, ELEV. MACH. RMS. & ELEV. CLOSETS STAIR PASSAGE ETC. BOTTOM ELEVATION OF ALL FLOOR AND BASE OF ALL CURBS TO BE 1/2" BELOW FINISHED FLOOR. TO INSURE FULL RETURN CHILLED WATER FLOW TO HEADER, FULL RETURN CHILLED WATER PIPE SIZE TO BE MAINTAINED AT ALL TIMES.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: .....
11. CONCRETE SLAB REQUIRED ON ALL BEAM TRANSITIONS OVER 12" (TWELVE INCHES) DIMENSION (AS SHOWN, SLAB TO BE MINIMUM 7½" PLUS NOMINAL FURRING). SEE TYPICAL DETAILS.
12. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-02-202 TO A-02-212.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPILATION

CONTRACT	BID	DRAWING	date 2-9-68
		1-20-70	A-47
		8-10-67	A-81
		11-20-67	A-86
		2-20-68	A-17
		5-20-69	A-23
		11-1-68	A-8
6-8-67	A-154	5-1-68	A-10
10-2-67	A-109	4-30-68	A-6
1-20-70	A-81	4-22-68	A-4
1-20-70	A-88	1-15-68	

REVISIONS — NO. | DATE | SUBJ. NO. | BY

REVISIONS — NO. | DATE | SUBJ. NO. | BY

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

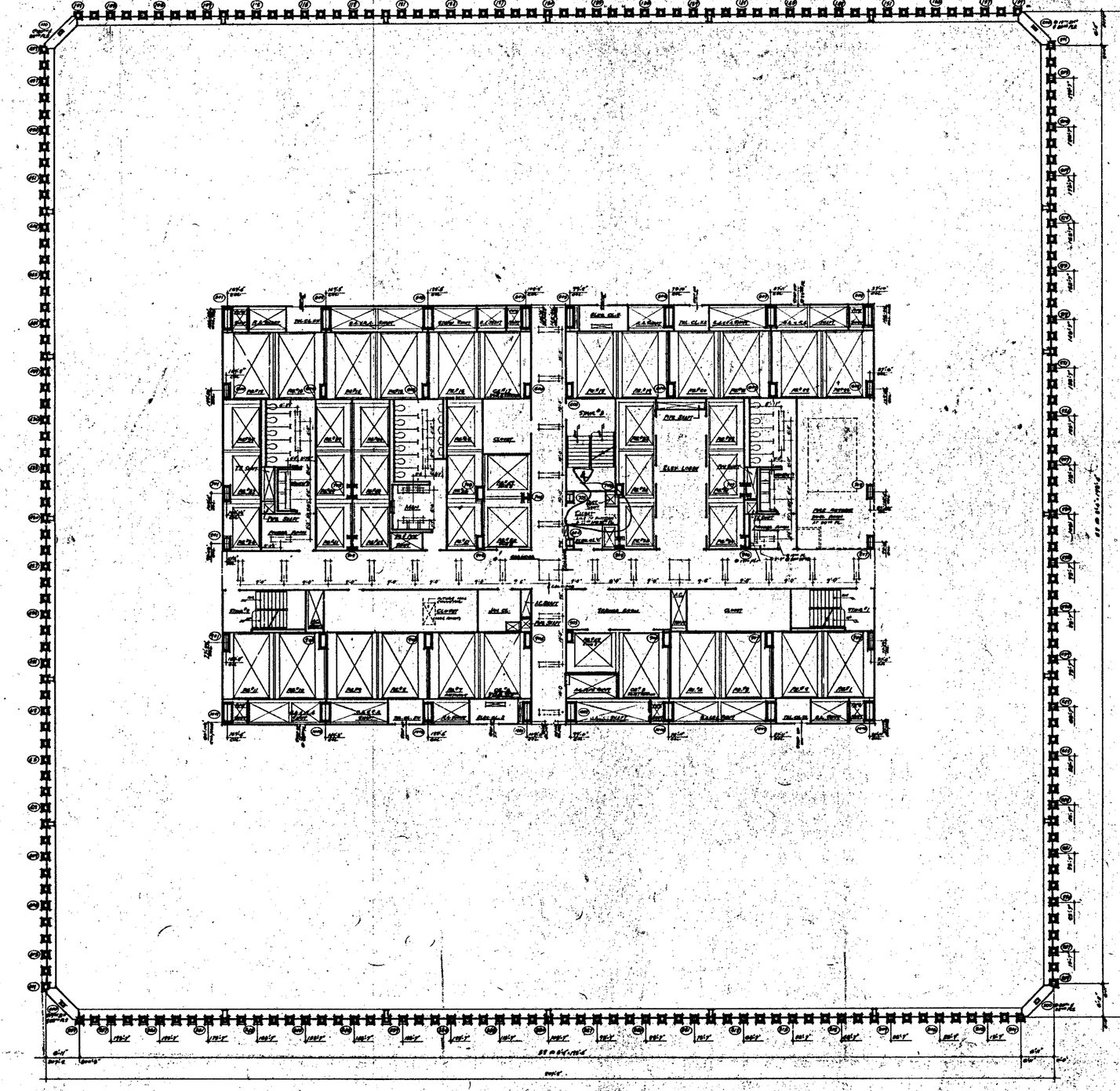
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 18TH FLOOR CORE PLAN

DRAWN | CHECKED | DATE: 7-9-67 | SCALE: 1/8" = 1'-0" | PROJECT | SUBMITTED | APPROVED

A-A-42



NORTH

NOTES

1. ALL DIMENSIONS SHOWN ARE TO FINISHED FACE OF WALL OR PARTITION UNLESS OTHERWISE NOTED.
2. ALL TRENCH HEADERS TO BE FURNISHED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SMOOTH TYPE FINISHING AS ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR AMOUNT AND EXTENT OF TROUGHS AND FINISHING.
3. CEILINGS AND TOILET LIMITING AS SHOWN (SEE ALL OTHER LIMITING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAIL)
4. MINIMUM UNDERSIDE ELEVATION AND TYPE OF SLAB ELEVATIONS ARE (SHOWN) UNLESS OTHERWISE SHOWN AS NOTED.
5. WORK IN SUSPENDED CEILINGS SUCH AS VALVES AND SWITCHES, ETC., DUCTWORK ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK, SHALL BE MAINTAINED AT 9'-0" ABOVE FINISHED FLOOR, TO PERMIT FULL POTENTIAL CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
6. EXTENT OF PUBLIC TOILETS, SHOWN IS INDICATED THUS: _____

BUILDING NOT DATED ARE IN CONTRACT NO DRAWING date 5-1-68

NO.	DATE	DWG. NO.	BY
1	6-8-70	A-104	D.T.
2	11-6-70	A-105	L.A.
3	1-30-70	A-99	L.A.
4	5-20-71	A-17	Amd.

REVISIONS

APPROVED

OWNER, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PARTIAL UTILITIES, CORPORATIONS

19TH TO 23RD FLOOR PLAN

SCALE 1/16" = 1'-0"

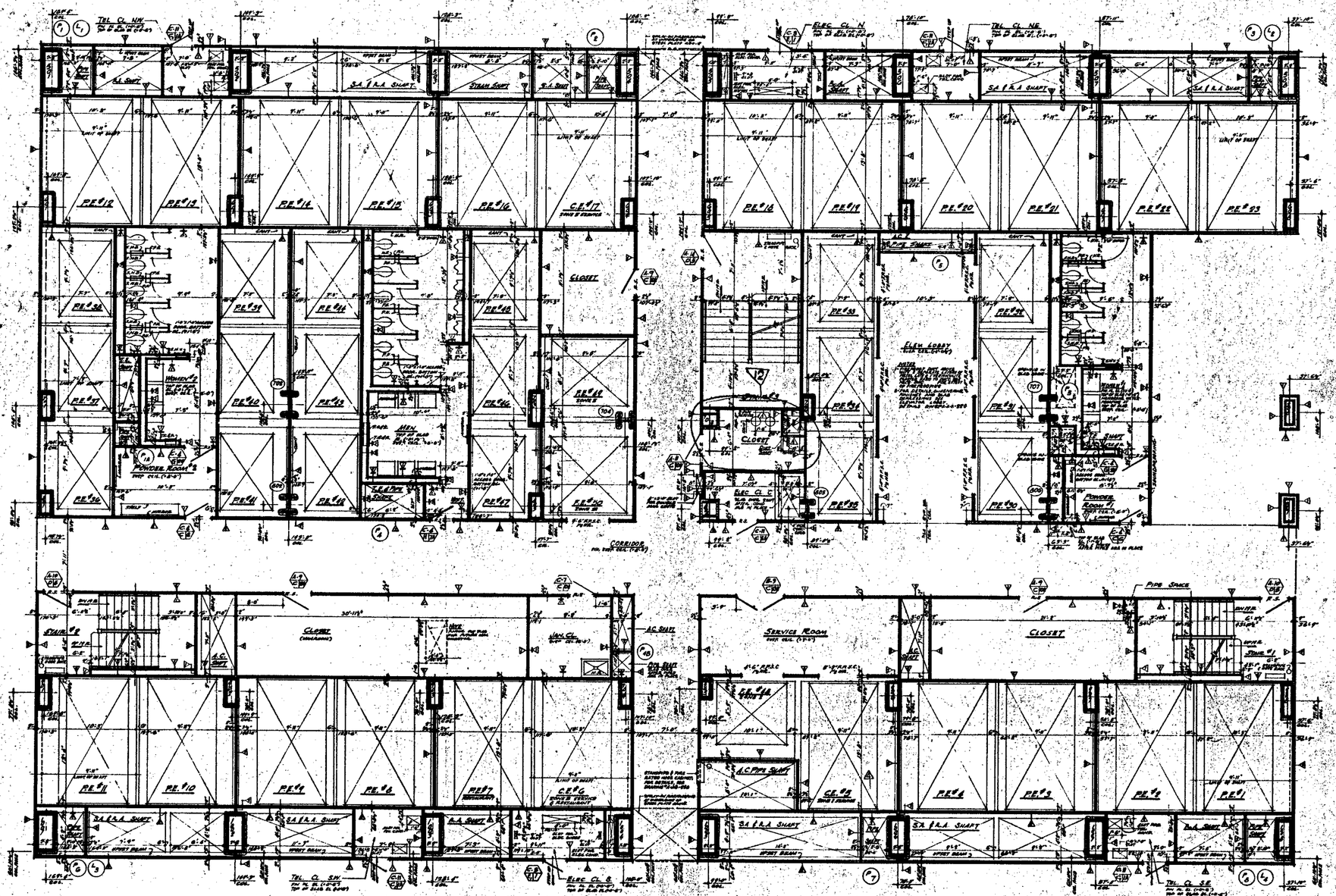
DATE 12-31-71

DRAWN

CHECKED

APPROVED

A-A-43



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING # A-A1 TO A-A16.
2. FOR COMPLETE 8" SCALE FLOOR PLAN SEE DRAWING # A-A-43
3. ALL ELEVATIONS GIVEN THUS (101.0') ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG#AA-A-206 AND AA-208
6. ALL TRENCH HEADERS TO BE PREPARED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION / TOP OF SLAB ELEVATIONS ARE SHOWN UNLESS OTHERWISE SHOWN OR NOTED.
8. PLUMB. LINE PENETRATIONS IN MEN AND WOMENS TOILETS AND THEIR ENTRANCES AT EACH LEVEL ARE TO BE FIRE PROOFED AND CAULKED SAME TO BE EXECUTED IN ACCORDANCE WITH THIS CONTRACT. SEE TYPICAL TOILET DETAILS. DWG. AA-A6 SHT.
9. WALLS OR CLOSURES DELIVERS AND CALLED FOR, SUCH AS IN CLOSETS, STAIR, ELEVATOR, ETC., BOTTOM ELEVATION OF ALL STAIRS AND DOORWAYS SHALL BE MAINTAINED AT 8-1/2" ABOVE FINISHED FLOOR, TO PERMIT FINAL FINISHED CEILING INSTALLATION AND CLEARANCE OF 6'-8" MIN. HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS ——————
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" NOMINAL (8" ACTUAL) DIMENSION IN FLANGE WIDTH AND SHALL BE MINIMUM 1½" FROM HORIZONTAL. SEE TYPICAL DETAILS
12. FOR LOCATION OF FIRE PROOFING, CEILINGS AND VERTICAL PARTITION DETAILS SEE DRAWINGS AA-A3 AND AA-A4 SHT.

BUILDING NOT DATED AS IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 2-7-66

NO.	DATE	BSL. INIT.	BY
1	6-8-71	A-2.4	DT
2	11-2-72	A-105	LJL

REVISIONS

NO.	DATE	BSL. INIT.	BY
12	2-2-72	A-78	LJL
13	7-20-72	A-79	LJL
14	7-20-72	A-85	LJL
15	8-10-72	A-87	LJL
16	8-29-72	A-91	A.T.
17	9-29-72	A-96	LJL
18	9-29-72	A-17	TOTAL
19	9-29-72	A-23	TOTAL
20	5-1-73	A-10	DG
21	6-22-73	A-8	DG

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
DAVIDO, WILLIAMS, FOUNDATION

TITLE: 19TH FLOOR CORE PLAN

1/8"=1'-0"

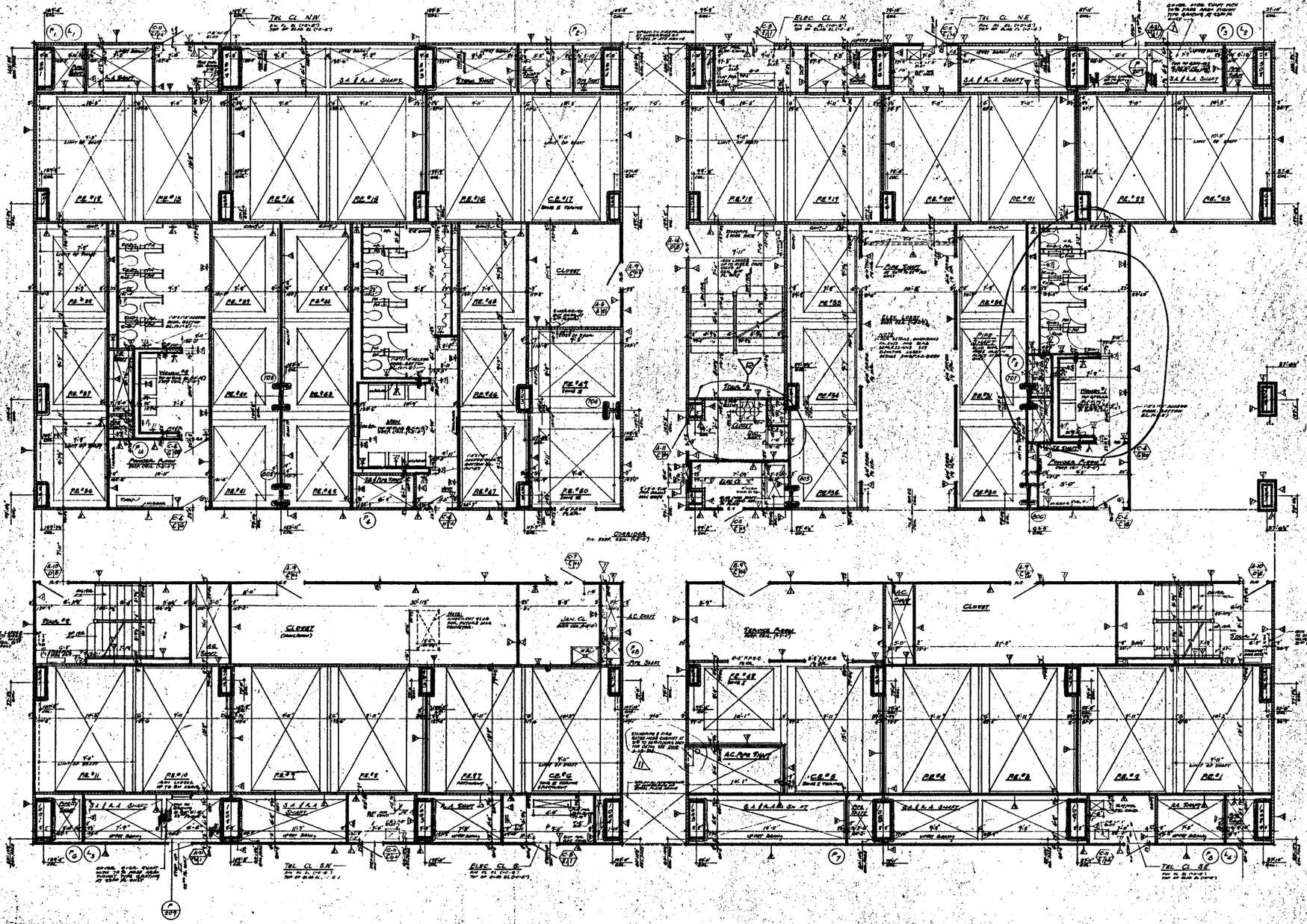
SCALE: 1/8" = 1'-0" | DRAWN: | CHECKED:
DATE: 9/15/66 | DATE: 7-20-67
PROJECT NUMBER: | SHEET NO.

CONTRACT NUMBER: A-A-44

NORTH

NOTES:

1. FOR GENERAL NOTES KEY TO ABBREVIATIONS, SYMBOLS, ABBREVIATIONS, INDEX, SCHEDULES, DOOR SCHEDULES, AND SCHEDULES OF DRAWINGS, SEE DRAWING A-A-1 TO A-A-4.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-A-10
3. ALL ELEVATIONS SHOW THUS (100'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE SUBMISSIBLE DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWGS #A-A-206 AND A-A-A-207.
6. ALL TRENCH HEADERS TO BE ENCROACHED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A STEEL-ON TYPE ENCROACHING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL SUBMISSIBLE AND CONTRACTORS APPROVED SHOP DRAWINGS FOR ACTUAL LOCATION AND EXTENT OF TRENCH HEADER AND ENCROACHING.
7. FINISH FLOOR ELEVATION / TOP OF SLAB ELEVATIONS ARE (MINUS) UNLESS OTHERWISE NOTED.
8. PROVIDE SOAP DISPENSERS IN MEN AND WOMEN'S TOILETS. SOAP DISPENSER AT EACH LAVATORY. HEARING DOORS TO HOLD DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH THE DETAILS. SEE TYPICAL TOILET DETAILS #A-A-A-204.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" TO PERMIT FOR ACOUSTIC CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CANT'S ARE FABRICATED OF ALL SAND PLASTERED STEEL 22½° (NOMINAL) (7'-0" RISE) IN ELEVATOR SHAFTS AND SHALL BE MAXIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS #A-A-205 THRU #A-A-208.



EXISTING NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO	DRAWING	Date	
	1	1-4-71	A-108
	2	1-20-71	A-81
	3	1-20-71	A-88
	4	1-20-71	A-87
	5	3-23-71	A-81
	6	5-25-71	A-26
	7	5-25-71	A-17
	8	5-25-71	A-23
	9	6-1-71	A-10
	10	5-25-71	A-5

NO.	DATE	SUB. NO.	BY
6	6-8-71	A-164	DT
7	7-7-71	A-165	DT

REVISIONS

NO.	DATE	SUB. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

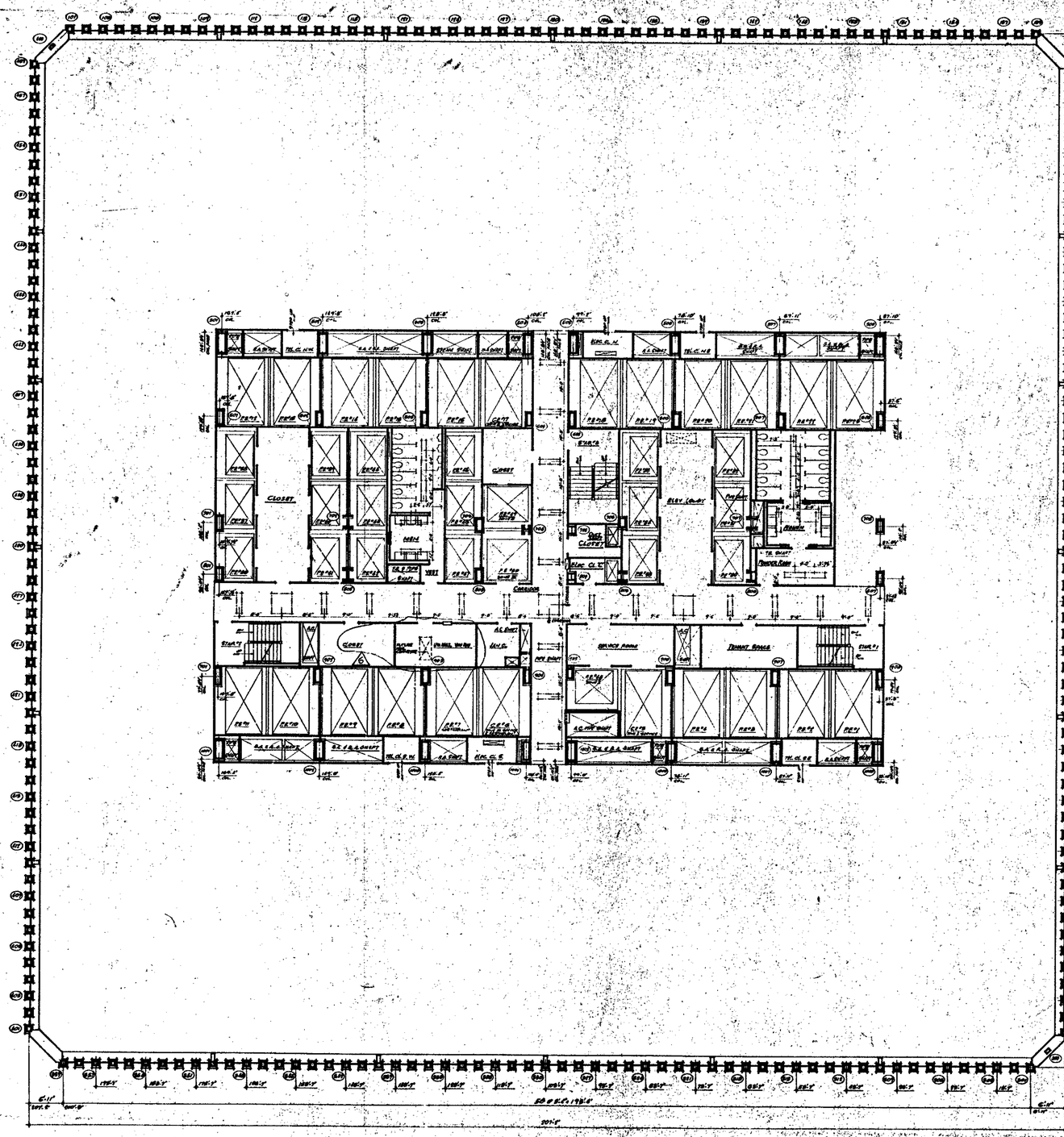
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 20TH TO 23RD FL. CORE PLAN

DRAWN | CHECKED
SCALE: 1/8" = 1'-0" | DATE: 7-9-71
PROJECT NUMBER | SHEET NO. OF
DRAWING NUMBER: A-A-45



ABOVE

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, ENTRY SCHEDULES, DOOR SCHEDULES AND SHADINGS OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-6
2. FOR OFFSETS DIMENSIONS SHOWN IN ONE AREA SEE 1/8" SCALE ONE DRAWINGS A-A-17
3. ALL ELEVATIONS SHOWN THUS (24'-0") ARE IN RELATION TO DATUM ABOVE.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIRE PROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE. ALL ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATIONS ARE TOP OF SLAB ELEVATION. (24'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. MINOR AIR DISTRIBUTION DEVICES ARE CALLED FOR, SUCH AS CLOSURE STRIPS, ETC., BOTTOM ELEVATION OF ALL PANELS AND SUSPENSION SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR. TO PROVIDE FOR PIPING AND DUCT INSTALLATION. SEE CLEARANCE ON ALL ARCHITECTURAL DRAWINGS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	REVISION	Rev.	Date	By
		6	6-18-71	A-176
		5	2-16-71	A-166
		4	2-5-71	A-98
		3	12-8-70	A-87
		2	11-20-70	A-59
		1	9-22-69	A-17

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

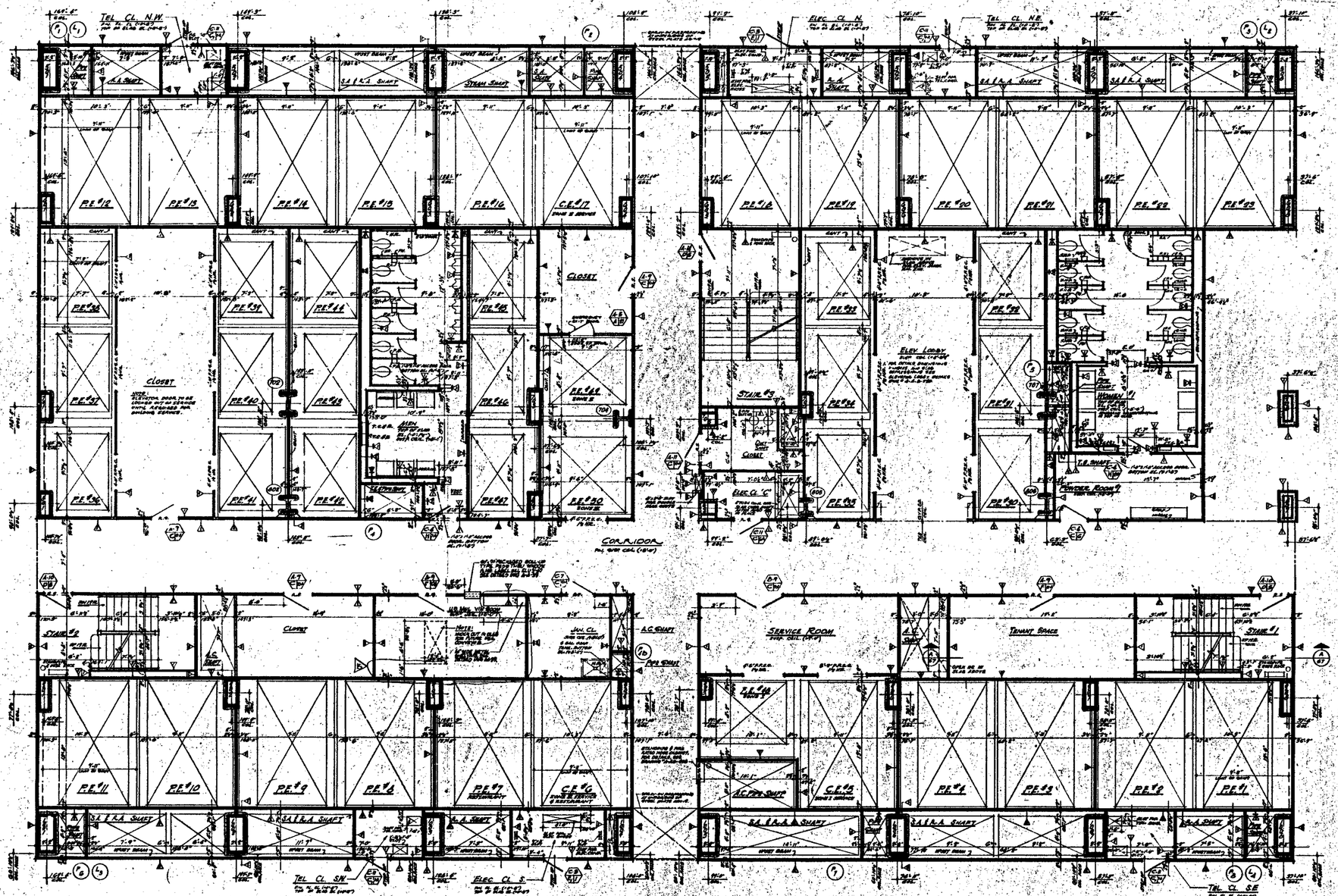
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

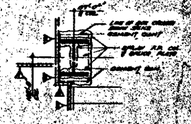
TITLE: 24TH FLOOR PLAN

1/8" = 1'-0"

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT ENGINEER		SUPV.	
APPROVED		DATE	

A-A-46





COL. #706

COLUMN DETAILS

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SHEDULES OF DRAWINGS SEE DRAWINGS # A-0.1 TO A-1.6
2. FOR COMPLETE 0" SCALE FLOOR PLAN SEE DRAWING # A-1.46
3. ALL ELEVATIONS GIVEN, THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWG. # A.A.-506 AND A.A.-507
6. ALL TRENCH HEADERS TO BE PREPARED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS ARMATURE SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND PARAPHERNIA.
7. FINISH FLOOR ELEVATION # TOP OF SLAB, ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PERMIT AND PROVIDE 4 MEN AND WOMEN TOILETS AND DISPENSERS AT EACH LANDING ACCESS SHOWN TO BE LOCATED IN ACCORDANCE WITH THIS DRAWING. SEE TYPICAL TOILET DETAILS DRAWING # A-AB-606.
9. WHERE AN EXPANSION OCCURS AND CALLED FOR, SUCH AS A CONCRETE STAIR, PASSAGE ETC. BETWEEN ALL FLOORS AND PARTITIONS SHALL BE SMOOTHED & PLASTERED BEHIND FLOOR, TO REMOVE FOR FUTURE CABLING INSTALLATION AND CLEANING OF FULL HEIGHT OPENING.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - - - - -
11. CANTS ARE PROVIDED ON ALL BEAM PERIMETERS OVER 12" NOMINAL (ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SMALL OR MINIMUM 36" FROM MECHANICAL. SEE TYPICAL DETAILS.
12. FOR FIRE PROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB 500 THRU A-AB 516.

BULLETIN NOS DATED ARE OF THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING date 2-2-66		
		11-6-70	A-69	L.L.
		1-20-70	A-81	L.L.
		1-20-70	A-88	L.L.
		1-20-70	A-67	E.C.
		5-19-69	A-91	A.Y.
11-12-74	A-915	J.R.	2-20-69	A-86	R.L.
8-15-73	A-710	W.L.	2-20-69	A-17	none
2-28-71	A-164	D.F.	2-20-69	A-83	none
2-1-71	A-408		11-1-68	A-11	M.M.
11-6-70	A-318	L.L.	2-1-66	A-46	D.G.

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
ARCHITECTS-ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

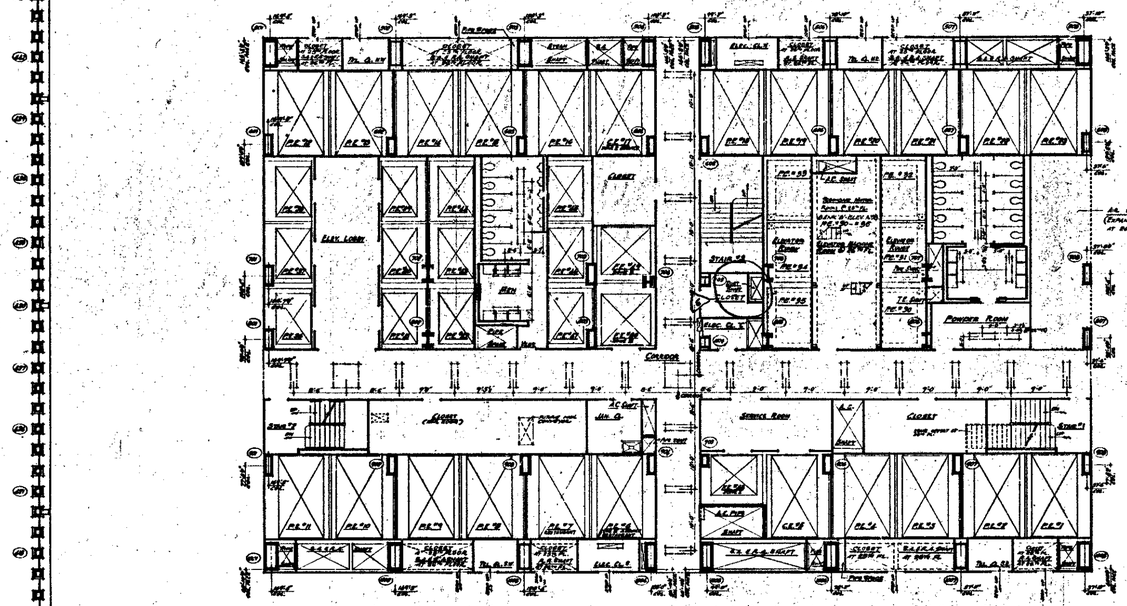
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FORREST HILLS

TITLE: 24th Floor Col. PLAN

SCALE: 1/16" = 1'-0"

DRAWING NO. A-A.47



North

NOTES

1 - FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULES OF DRAWINGS SEE DRAWING A-0.1 TO A-0.4

2 - FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWINGS A-0.49 & A-0.50

3 - ALL ELEVATIONS GIVEN THUS (+) OR (-) ARE IN RELATION TO FINISH FLOOR

4 - FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS

5 - ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING

6 - CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS

7 - FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (29'-0") UNLESS OTHERWISE SHOWN OR NOTED

8 - WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, TOILETS ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" TO ALLOW FOR PIPING COILING INSTALLATION AND CLEARANCE OF ALL LIGHT FIXTURES

9 - EXTENT OF PUBLIC CORRIDOR CEILING IN HOSPITALS THAT _____

BUILDINGS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 8-2-68

NO.	DATE	DWG. NO.	BY
1	6-18-71	A-1.66	D-S
2	11-8-70	A-1.05	L.A.
3	1-30-70	A-1.01	L.A.
4	11-20-69	A-1.7	HMM
5	6-12-69	A-1.5	D.G.
6	2-18-69		J.V.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

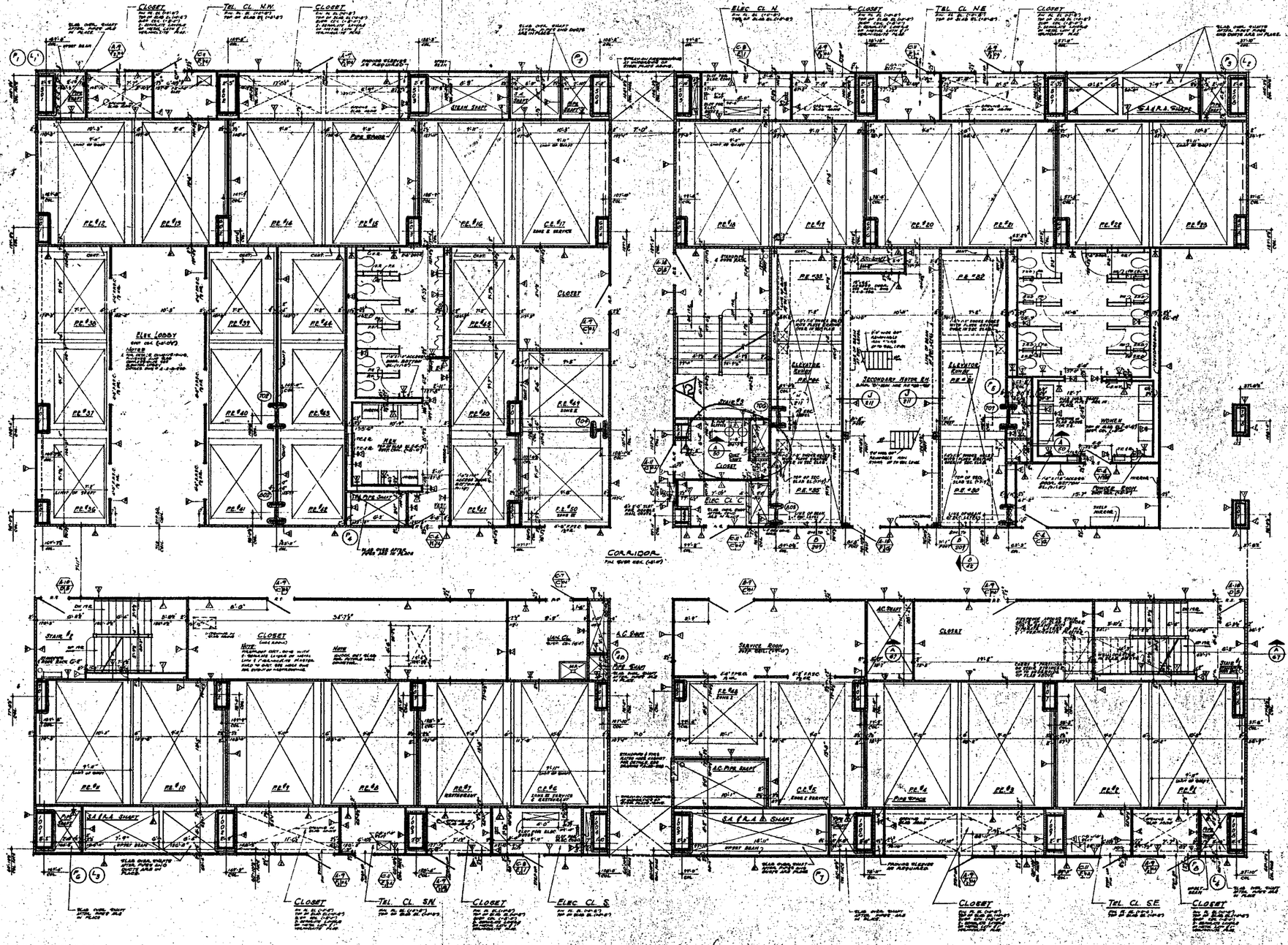
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 25TH & 26TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	10
DRAWING NUMBER	A-A-48		



NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS #A-0.1 TO A-0.6
2. FOR COMPLETE 8" SCALE FLOOR PLAN SEE DRAWING #A-1.66
3. ALL ELEVATIONS GIVEN THUS (104.6') ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS. #A-4.06 AND A-4.07
6. ALL "TRENCH" HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER AND CONTRACTOR'S APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATIONS ARE GIVEN UNLESS OTHERWISE SHOWN ON PLANS.
8. PLUMBING SHALL BE PROVIDED IN NEW ALL NOTATED TOILETS AND DISPENSER AT EACH JANITORS ACCESS ROOM TO SUIT DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE CONTRACT. SEE PLUMBING SPECIFICATIONS FOR #A-16.04.
9. WHERE NO OVERHEAD CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, SOIL PIPESHAFTS ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" TO PERMIT ADEQUATE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: [illegible]
11. CANTS ARE ASSUMED ON ALL BEAM PROJECTIONS OVER 24" NOMINAL DEPTH AND ON ALL ELEVATOR SHAFTS AND SMALL OR NUMEROUS OPENINGS, TYP. FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS #A-4.05.506 THRU #A-4.05.510.

BUILDINGS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 6-9-68

			1	1-30-70	A-21	L.L.
			1	1-30-70	A-38	L.L.
			1	1-30-70	A-47	L.C.
			1	5-18-67	A-15	D.L.
			1	7-13-64	A-21	P.T.
			1	5-29-69	A-16	D.L.
			1	5-21-69	A-17	WWL
			1	8-1-69	A-10	D.G.
1	6-18-71	A-1.66	D.T.	1	6-18-68	A-5	D.G.
1	8-2-72	A-1.69	L.J.	1	8-8-68		L.V.L.

NO.	DATE	DESCRIPTION	BY

REVISIONS

NO.	DATE	DESCRIPTION	BY

REVISIONS

APPROVED:

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, TUNNELS, LIGHTING

1/8" = 1'-0" scale

TITLE: 25TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-9-69
PROJECT NUMBER		SHEET	
DRAWING NUMBER	A-A-49		

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF LOUVERS, SEE DRAWING A-A-50.
2. FOR COMPLETE 96" SCALE ROOM PLAN SEE DRAWING 4 A-A-40.
3. ALL DIMENSIONS WHICH PASS THROUGH AXIS OF ENGAGED TEE INDICATE FINISH FACES.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS, SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. 5-A-B-206 & 5-A-B-207.
6. ALL TOILET ROOMS TO BE FURNISHED AT OWNER'S OPTION AS PLAN FOR 5 UNITS OF 4'-0" WITH TOILET PARTITIONS, ACCESSORIES, MIRRORS, ETC. FOR ADDITIONAL SPECIFICATIONS FOR TOILETS AND ELECTRICAL, PLUMBING AND CONDITIONING EQUIPMENT SEE SECTION FIVE, DIVISIONS 15, 16 AND 17, PROJECT MANUAL, SPECIFICATIONS.
7. TYPICAL FLOOR ELEVATION / TOP OF SLAB ELEVATIONS ARE (EXCEPT WHERE OTHERWISE SHOWN OR NOTED).
8. PAPER TOWEL DISPENSERS IN MEN AND WOMEN'S TOILETS ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO WALL MOUNTED TOWELS SHALL BE 5 SHEETS IN ACCORDANCE WITH TILE ENGINEERING HANDBOOK, TYPICAL TOILET DETAILS, DWG. 5-A-B-206.
9. WHERE ACOUSTICAL CEILINGS ARE CALLED FOR, SUCH AS IN CORRIDORS, SHAFT ENTRANCES ETC., BOTTOM ELEVATION OF ALL FURRING AND SUSPENDED CEILINGS SHALL BE MAINTAINED AT 8'-2" TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING AS INDICATED THUS
11. CANTO ARE MEASURED ON ALL BEAM PROJECTIONS OVER 6" NOMINAL (STRUCTURAL) DIMENSION IN ELEVATION, SHAFTS AND WALLS, BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-B-206 THRU A-A-B-215.

NORTH

SECTION A/50

BULLETINS NOT DATED ARE IN THE PROCESS OF CIRCULATION

CONTRACT BID DRAWING dated 9-9-69

				A	1-20-70	A-A	L.J.L.
				A	1-20-70	A-B	L.J.L.
				A	1-20-70	A-D	L.J.L.
				A	5-22-69	A-21	A.T.H.
				A	5-22-69	A-E6	D.L.
				A	5-22-69	A-1"	Rosen
A	2-6-70	A-10.2	2-7	A	5-22-69	A-25	Rosen
A	4-1-70	A-10.3	L.J.L.	A	11-1-68	A-11	A.L.H.
A	11-4-70	A-100	L.J.L.	A	5-1-68	A-00	D.L.
A	10-6-70	A-108	L.J.L.	A	3-18-68	A-1	J.L.L.

NO. DATE DWG. NO. BY — REVISIONS

NO. DATE DWG. NO. BY — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

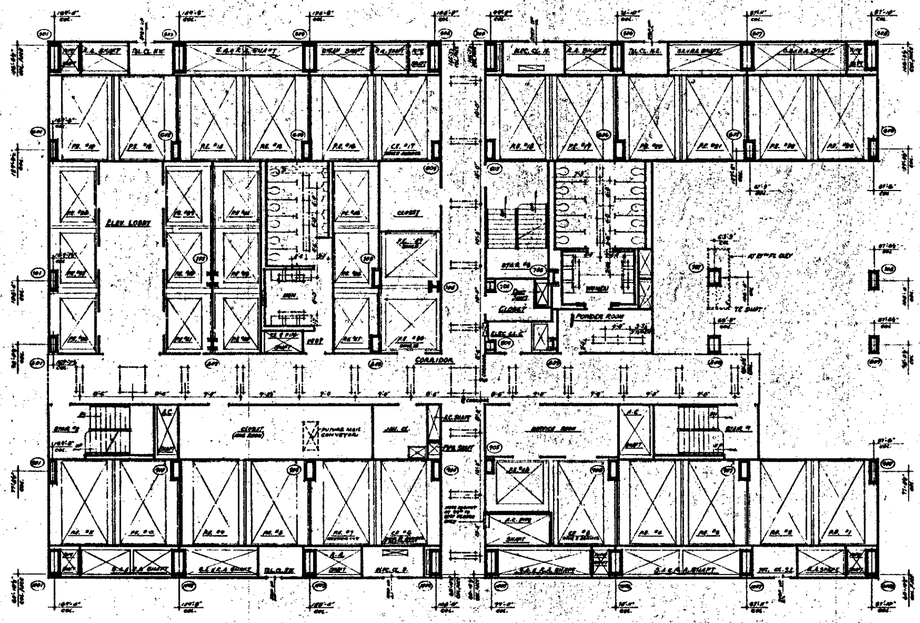
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 26TH FLOOR CORE PLAN

SCALE: 1/4"-1'-0" — DATE: 7-24-69

PROJECT DIRECTOR — SHEET OF

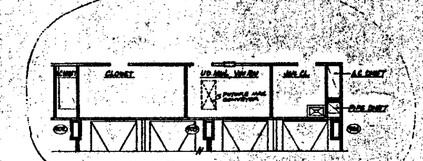
DRAWING NUMBER: A-A-50



NORTH

NOTES

1. FOR GENERAL NOTES, SEE 1ST INTERIOR SYMBOL, ABBREVIATIONS, DOOR SCHEDULE, DOOR DETAILS AND GENERAL NOTES OF DRAWINGS AND DRAWING # A-A1 TO A-A7.
2. FOR COMPLETE DIMENSIONS REFER TO CORE AREA AND SHELL WORK DRAWING # A-A 52.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE OF CONCRETE OR FINISHED FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS AND REFERENCE DRAWINGS SEE DRAWING.
5. ALL TRENCH HEADERS TO BE PRESTRESSED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" WITH A STRAIGHT TYPE PRESTRESSING. SEE ARCHITECTURAL SPECIFICATIONS AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATIONS AND EXTENT OF TRENCH HEADER AND PRESTRESSING.
6. CORE DOOR AND TOILET CUBICLE LAYOUTS AS SHOWN FOR ALL OTHER CUBICLES SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE FIXED UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, VESTIBULES ETC., BOTTOM ELEVATION OF ALL BEAMS AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOORS, TO PROVIDE FOR FUTURE INSTALLATION AND CLEARANCE FULL HEIGHT CEILINGS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____



5

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING Mod. 6-9-69

NO.	DATE	SUB. NO.	BY
6	6-15-71	A-1-30	GBL
5	6-15-71	A-1-24	DT
4	11-6-70	A-1-19	L.J.
3	1-26-70	A-1-8	L.J.
2	6-27-69	A-1-7	Amm.

REVISIONS

NO.	DATE	SUB. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0"

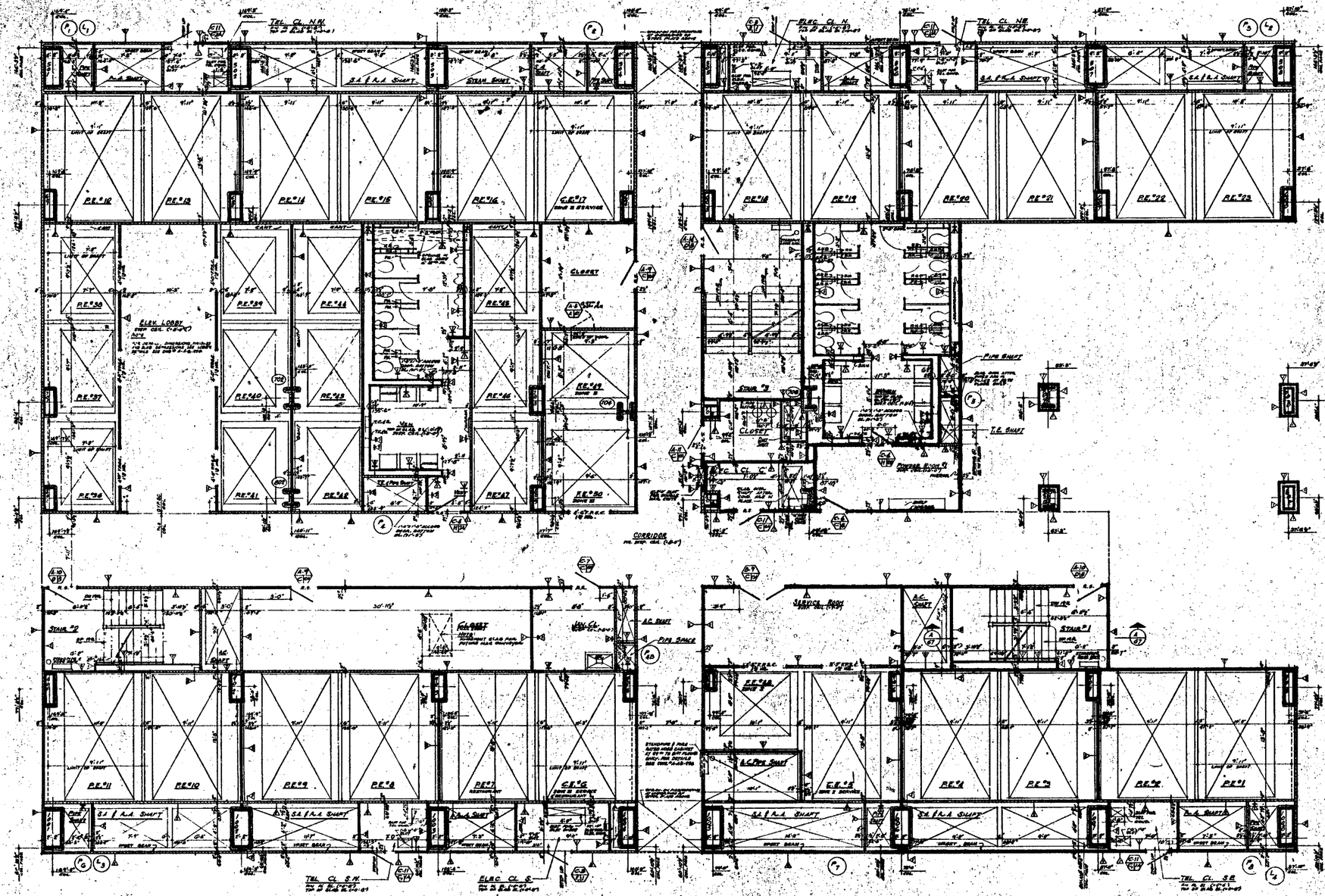
TITLE: 27TH TO 31ST FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7 SHEET
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-51		

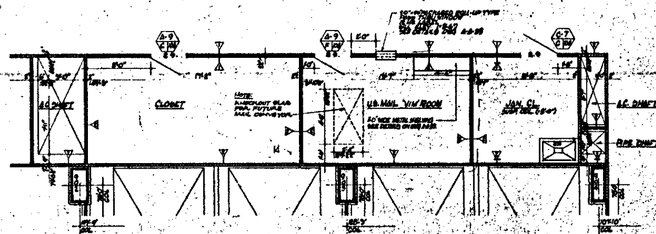
NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, PAINT SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAINAGE SEE DRAWINGS A-A-1 TO A-A-8
2. FOR COMPLETE "B" SCALE PLANS, PLANS "SEE" DRAWING A-A-61
3. ALL ELEVATIONS GIVEN THUS (29'-0") ARE IN RELATION TO PAVING PLANS.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT, SEE ADJACENT ENGINEER DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-A-204 & A-A-205
6. ALL TRENCHES ASSUMED TO BE BACKFILLED AT UNDERSIDE OF SLAB.
7. FOR A WIDTH OF 6'-0" WITH A SHRINK-ON TYPE REINFORCING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND MECHANICAL ENGINEER'S AND CONTRACTOR'S APPLICATIONS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND REINFORCING.
8. PAINT FINISH, ELEVATION AND TOP OF GLAS ELEVATIONS ARE GIVEN UNLESS OTHERWISE SHOWN OR NOTED.
9. PAPER TOWEL DISPENSERS IN MEN AND WOMENS TOILETS AND DISPENSER AT EACH LAVATORY ASSEMBLY SHOWN IN PLAN OMITTED TO BE LOCATED IN ACCORDANCE WITH THE COVERING. SEE TYPICAL TOILET DETAILS, DRAWING A-A-204.
10. WALLS NOT DIMENSIONED OR LABELED ARE 8" UNLESS NOTED. ENCLOSURES AT CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL RISING AND DESCENDING SHALL BE MAINTAINED AT 6'-8" ABOVE FINISHED FLOOR, TO ALLOW FOR INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
11. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
12. CANTS ARE REQUIRED ON ALL BASE PARTITIONS OVER 25" HEIGHT. (OPTIONAL) DIMENSION IN ELEVATOR SHAFTS AND WALLS NOT VARYING 10° FROM HORIZONTAL. SEE TYPICAL DETAILS.
13. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITIONS DETAILS SEE DRAWINGS A-A-5.206 THRU A-A-5.211.

NORTH



PART PLAN AT 27TH FLOOR



PART PLAN AT 31ST FLOOR

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING SCALE 1-1-68

NO.	DATE	BULL. NO.	BY
4	11-15-74	A-345	J.R.
3	6-18-71	A-170	DBL
2	6-8-71	A-166	DT

REVISIONS

NO.	DATE	BULL. NO.	BY
8	11-6-70	A-108	L.H.
7	9-8-70	A-78	A.L.
6	8-20-70	A-61	L.H.
5	7-20-70	A-58	L.H.
4	1-30-70	A-47	E.C.
3	8-13-69	A-31	R.T.A.
2	5-23-69	A-26	L.H.
1	2-24-69	A-17	L.H.
0	12-20-68	A-23	L.H.
0	8-1-68	A-10	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 27TH TO 31ST FL. CORE PLAN

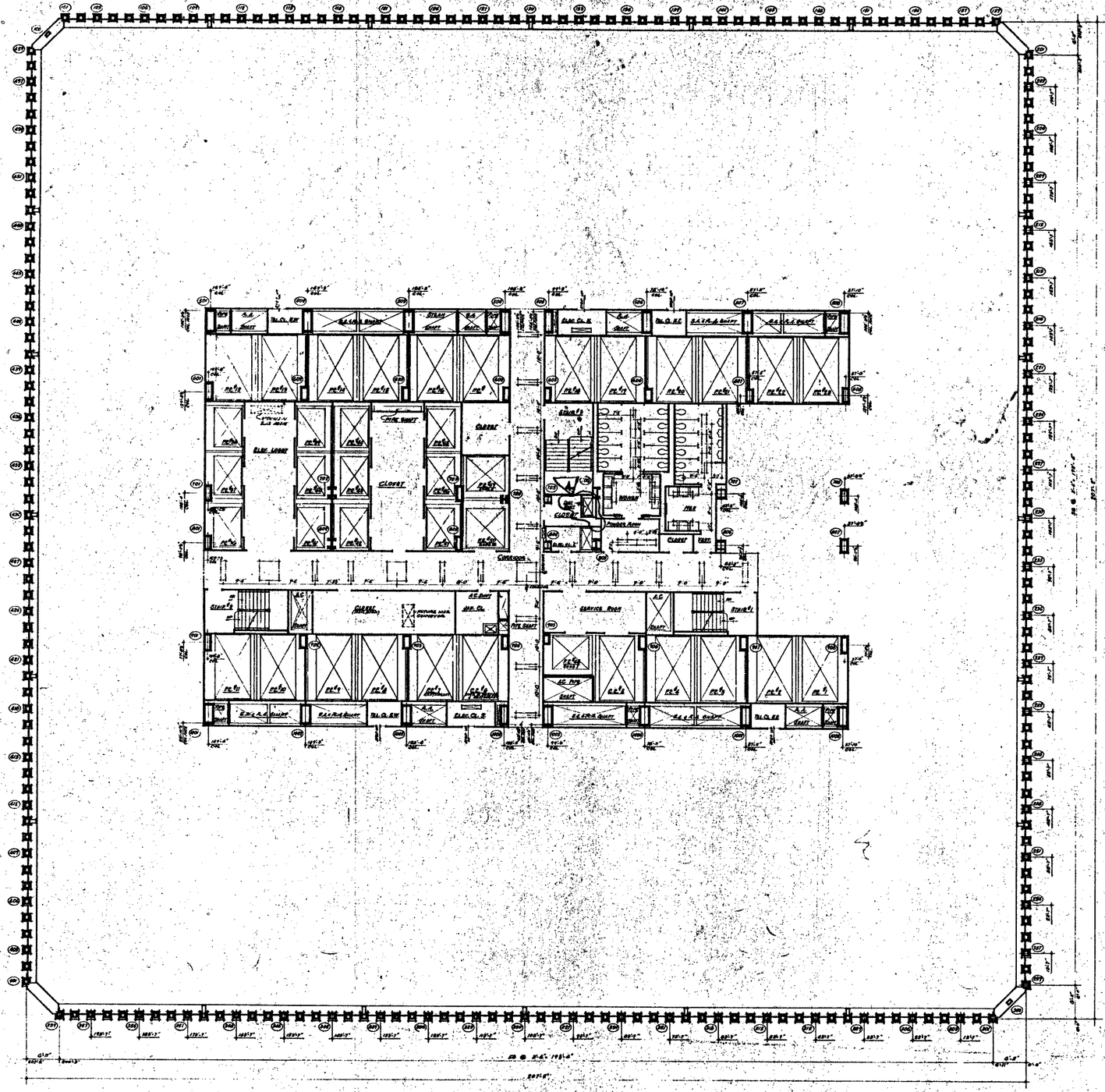
1/4" = 1'0"

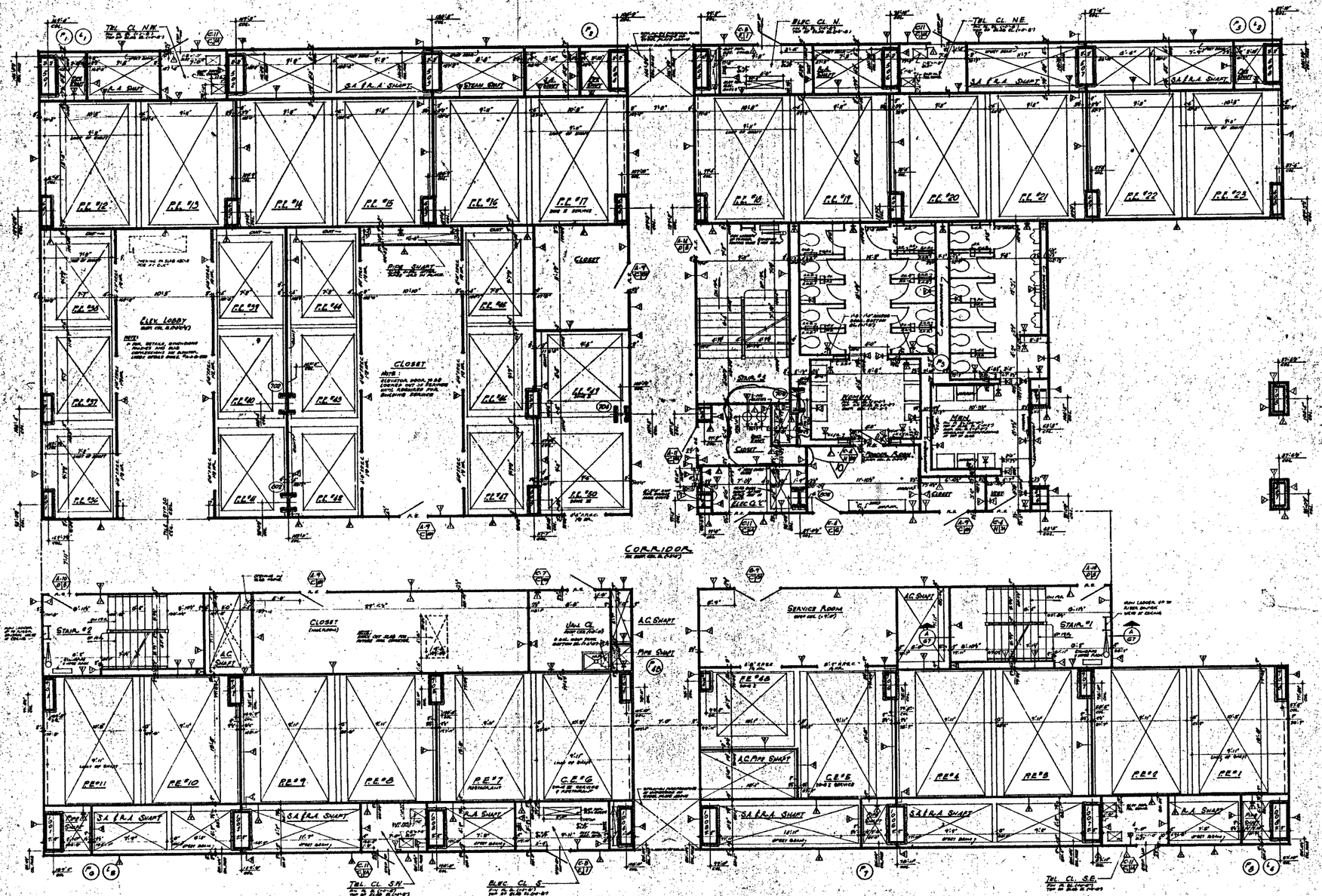
DRAWN — CHECKED — DATE 7-31-67

SCALE 1/4" = 1'0" — SHEET NO.

JOB NO. 6702

A-A-52


CLOSET
ELEV. LOBBY
CORRIDOR
CLOSET
FILE
CLOSET
SERVICE ROOM
GARAGE
STAIR #1
STAIR #2
ELEV. EQUIP. ROOM
ELEV. MACH. ROOM



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-A-1 TO A-A-5
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING # A-A-53
3. ALL ELEVATIONS GIVEN (SUCH CLOSET) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE PERTINENT ENGINEER'S DRAWINGS
5. FOR TYPICAL STAIR, DETAILS SEE STAIR PLANS & SECTIONS # A-A-50, 51
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS) SHALL GOVERN UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE GRAB BARS/RAILS IN MEN AND WOMEN'S TOILETS, ONE INSTALLED AT EACH LAVATORY, ALLOW DOORS TO SWING TOWARDS WALLS TO BE LOCATED IN ACCORDANCE WITH TAS CRITERIA - SEE TYPICAL TOILET DETAILS, DRAWING # A-A-51.
9. WHERE 3D INTERFACE CEILINGS ARE CALLED FOR SHOW AS IN CORRIDOR, STAIR PASSAGE ETC., BOTTOM ELEVATION OF ALL PANELS IN ROOM SHALL BE MAINTAINED TO 8'-0" ABOVE FINISHED FLOOR TO ENSURE FOR PROPER CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS
11. CENTS ARE ARRIVED ON ALL SHAFTWORK OVER 12" NOMINAL (EXTERNAL) DIMENSION IN ELEVATION, SECTION AND SHALL BE MAINTAIN 12" FROM HORIZONTAL SIDE TYPICAL DETAILS.
12. FOR RESPACING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS, SEE DRAWINGS A-A-54 THRU A-A-57.

BUILDING NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 2-9-68

NO.	DATE	SUB. NO.	BY
1	6-18-71	A-1108	DT
2	5-13-70	A-178	A.M.
3	1-30-70	A-91	L.A.
4	8-10-70	A-88	L.A.
5	10-30-70	A-67	K.C.
6	5-15-69	A-81	K.T.A.
7	5-20-69	A-76	Kam.
8	7-24-69	A-77	K.C.
9	8-29-69	A-75	Kam.
10	8-1-68	A-10	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

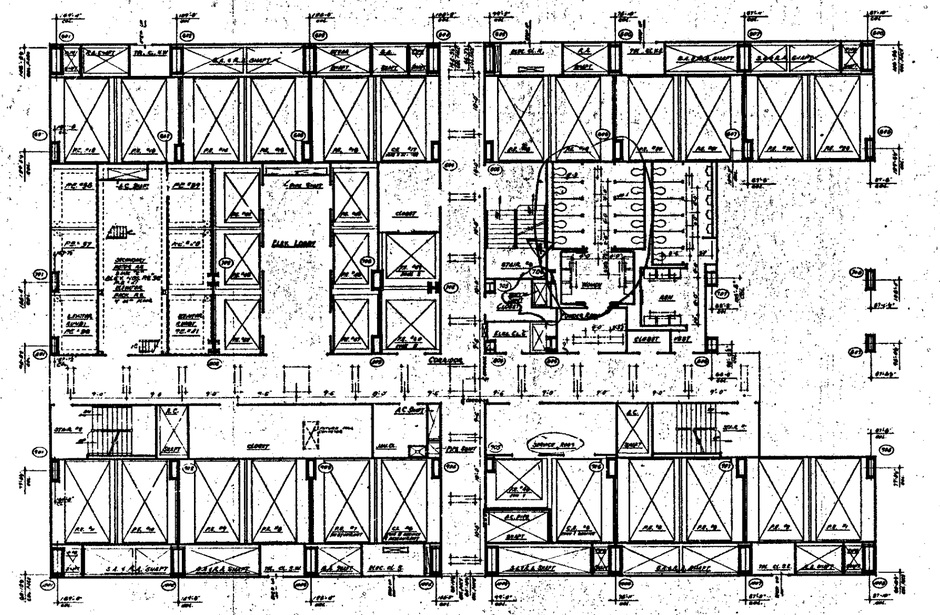
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PLUMB., UTILITIES, FOUNDATIONS

1/8"-1'0" SCALE

TITLE: 32nd FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'0"	DATE	2-9-68
PROJECT ENGINEER		SHEET	OF
DRAWING NO.	A-A-54		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO SYMBOLS, STANDARD ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SYMBOLS OF DRAWINGS SEE DRAWING T-1.1 TO T-1.3 ①
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREAS SEE 1/8" SCALE CORE DRAWINGS A-6.4-CA AND A-6.4-CF
3. ALL DIMENSIONS GIVEN FROM, TO & AT ARE TO CENTERLINE OF FINISH WORK.
4. ALL MECHANICAL AND ELECTRICAL EQUIPMENT AND DIAGRAMMATIC SYMBOLS ARE SCHEMATIC.
5. ALL FINISHES INDICATED TO BE FURNISHED AT UNDERSIDE OF SLAB FOR A HEIGHT OF 9'-0" WITH A STEP IN FINISH AT THIS HEIGHT. SEE SECTIONS AND ELEVATIONS FOR TYPE AND ELECTRICAL DIMENSIONS AND CIRCULATION APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF FINISHES, BASES AND PARTITIONING
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL REFLECTED CEILING, FLOOR, ELEVATION AND TYP. DETAIL DRAWINGS. (TYP. OF "LIFE ELEVATING BAR" TYP. OF "INC" IN STAIRWELL CANOPY, ETC. TYP.) ②
7. VISIBLE 10 SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS A. CLOSETS, STAIR LANDINGS ETC. BOTTOM ELEVATION OF ALL DUCTS AND DIFFUSERS SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PERMIT FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. EXTENT OF PUBLIC TOILETS, SERVICE AND INDUSTRY TOILETS

BULLETINS NOT DATED ARE IN "THE PROCESS OF COMPLETION"

NO.	DATE	DESCRIPTION	BY
CONTRACT BID DRAWING		date 6-1-68	
A	6-10-70	A-166	D.T.
A	8-6-70	A-68	L.J.
A	1-20-71	A-69	L.J.
A	2-22-71	A-17	L.J.

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL-ELECTRICAL

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
(PAVING, UTILITIES, FOUNDATIONS)

TITLE: 33rd & 34th FLOOR PLAN

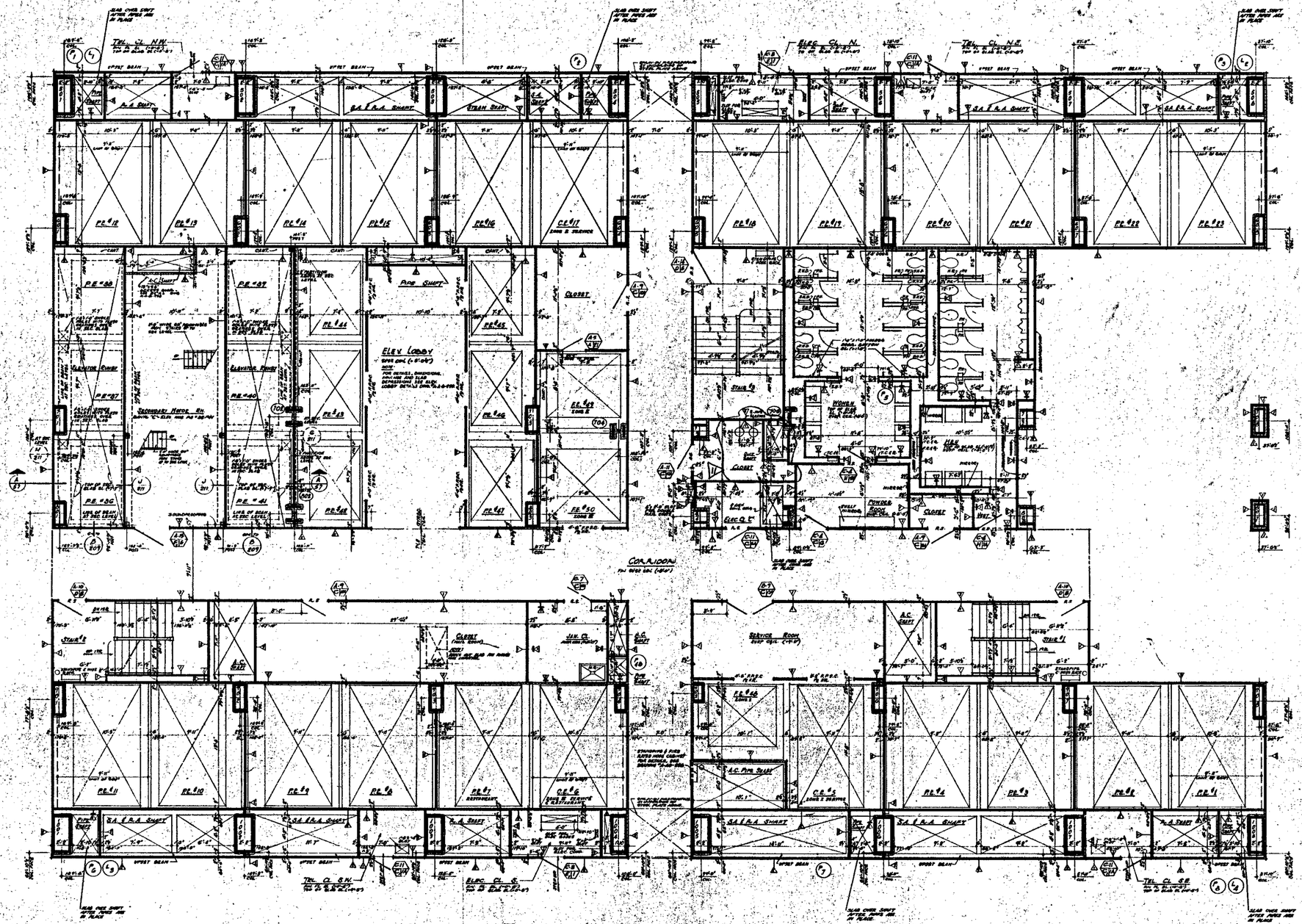
SCALE: 1/16" = 1'-0"

DATE: 12-1-67

PROJECT NO.

SHEET NO.

DRAWING NUMBER: A-A-55



BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING Aug. 9-1-66

NO.	DATE	DESCRIPTION	BY
1	11-3-71	A-109	LH
2	1-20-70	A-21	LH
3	1-20-70	A-88	LH
4	1-20-70	A-97	LH
5	6-23-69	A-81	RTH
6	5-23-69	A-76	Rum
7	5-20-69	A-25	Rum
8	4-24-69	A-17	Rum
9	9-2-68	A-105	DAB
10	8-16-71	A-106	DT

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	8-1-68	A-105	DAB

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORIMB & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 33rd FLOOR CORE PLAN

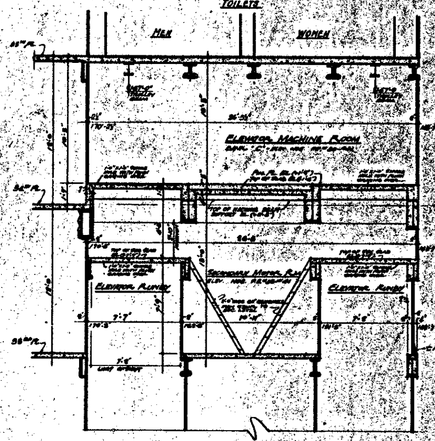
½"=1'-0"

DRAWN | CHECKED | DATE | SCALE 1/2"=1'-0" | PROJECT NUMBER | SHEET NO. | DRAWING NUMBER A-A-56

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, DOOR SCHEDULE, CODE, SPECIFICATIONS AND TECHNICAL INFORMATION SEE DRAWING "A-0-1 TO A-0-5".
2. FOR COMPLETE "A" CORE PLAN, FROM SEE DRAWING "A-2-52".
3. ALL DIMENSIONS GIVEN, TAKE PRECEDENCE OVER SCALE AND ARE NECESSARY TO PROPER FITTING.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE DISTRIBUTION EQUIPMENT DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. NO. A-2.5-206 & A-2.5-207.
6. ALL FLOOR HEADERS TO BE FURNISHED AT DOOR SIDE OF SLAB FOR A WIDTH OF 3'-0" WITH A SINGLE TYPE OF ADJUSTABLE SLAB ACCOMMODATING ALL PARTITION TYPES AND ELECTRICAL DISTRIBUTION (CONTRACTOR'S EQUIPMENT SHOP DRWG. FOR LOCATION) EXTENT OF TRUNCK HEADER AND CONFIGURATION.
7. FINISH FLOOR ELEVATION (TOP OF SLAB) EXCEPTIONS AND DEPTH UNLESS OTHERWISE NOTED, AS SHOWN.
8. FLOOR TOP DEPRESSIONS AT MEN AND WOMEN TOILETS, ELEVATORS, STAIR LANDINGS, ACCESS RAMPS, TO BEAR STRUCTURAL DESIGN TO BE COORDINATED WITH THE CONCRETE SUB-CONTRACTOR. FINISH FLOOR DETAILS ARE SHOWN ON SECTION "A" ON DRAWING A-2-52.
9. WHERE NO SUSPENDED CEILING HAS BEEN NOTED, SUCH AS IN CORRIDORS, STAIRS, VESTIBULES ETC., BOTTOM SURFACE OF ALL FLOOR AND STRUCTURAL SLABS TO BE PAINTED WITH FLAT WHITE PAINTED FINISH. TO FINISH WALL SURFACE ABOVE SUSPENDED CEILING AND BEHIND CASE OF ALL ENCLOSURES.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: [illegible]
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 24" MINIMUM (2'-0" MAX.) DIMENSION AT ELEVATOR SHAFTS AND SHALL BE CONSTRUCTED FROM MASONRY. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF MISC. STEELWORK COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS "A-2.5-205 THRU 208 AND A-2.5-210".



SECTION A/A7

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 6-9-66

NO.	DATE	DWG. NO.	BY
1	8-16-71	A-164	DS
2	11-6-70	A-105	L.M.
3	1-30-70	A-81	L.M.

REVISIONS

NO.	DATE	DWG. NO.	BY
1	1-30-70	A-69	L.M.
2	1-30-70	A-67	L.M.
3	2-20-69	A-81	R.T.A.
4	2-28-69	A-76	[illegible]
5	2-28-69	A-17	[illegible]
6	2-28-69	A-75	[illegible]
7	11-1-68	A-11	M.B.
8	6-1-68	A-6	D.G.
9	5-10-68	A-8	D.G.
10	3-18-68		J.V.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK NO. 31982

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

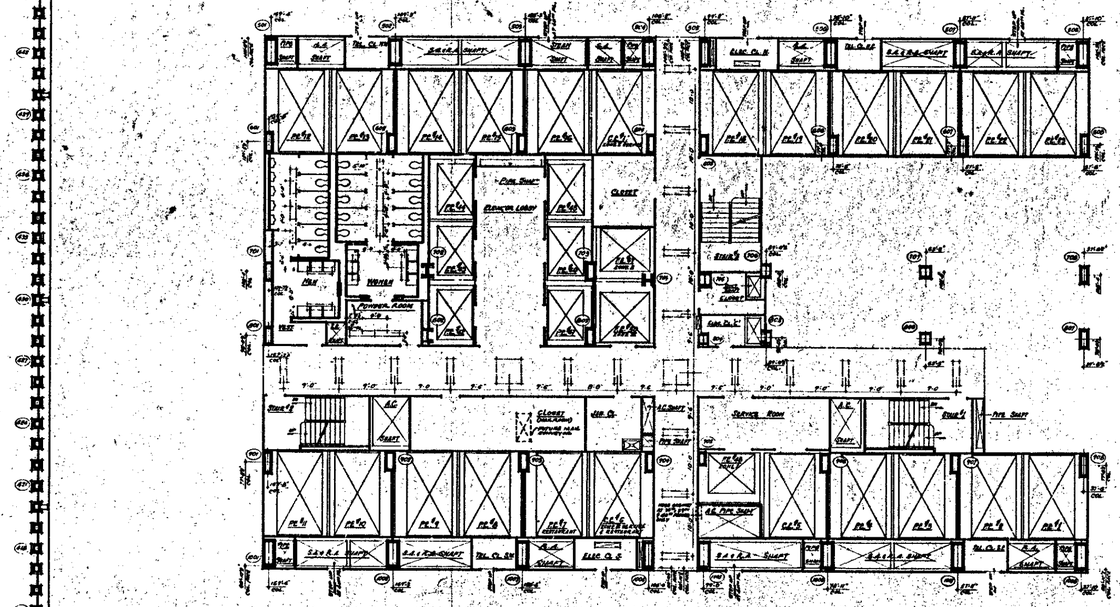
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

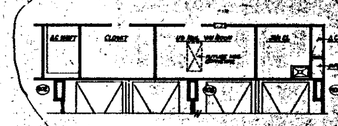
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 34TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	6-9-66
PROJECT NUMBER		SHEET NO.	
DRAWING NUMBER	A-A-57		





FIRST PLAN AT 39TH FLOOR

5

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS P.A.-1 TO P.A.-5
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWINGS A-4-57 & A-4-58
3. ALL ELEVATIONS GIVEN HERE (1467) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. ALL TRUSSED BEAMS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-8" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND STRUCTURAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDORS AND TOILET LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FOR FIRE ELEVATION AND TYPE OF SLAB CONSTRUCTION USE 3'-0" UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, NOTED IN CLARITE WALK OVERHEAD CONSTRUCTION ELEVATION, OF ALL M & P AND STRUCTURAL WILL BE PAINTED AT 8'-0" ABOVE FINISHED FLOORS TO MATCH ON ADJACENT CEILING INSTALLATION, AND CLEARANCE OF FULL HEIGHT PARTITIONS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

REVISIONS			
	6-18-71	A-130	KBL
	6-8-71	A-105	DT
	11-8-70	A-106	LH
	1-30-70	A-97	LH
	12-22-69	A-17	BM

REVISIONS			

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

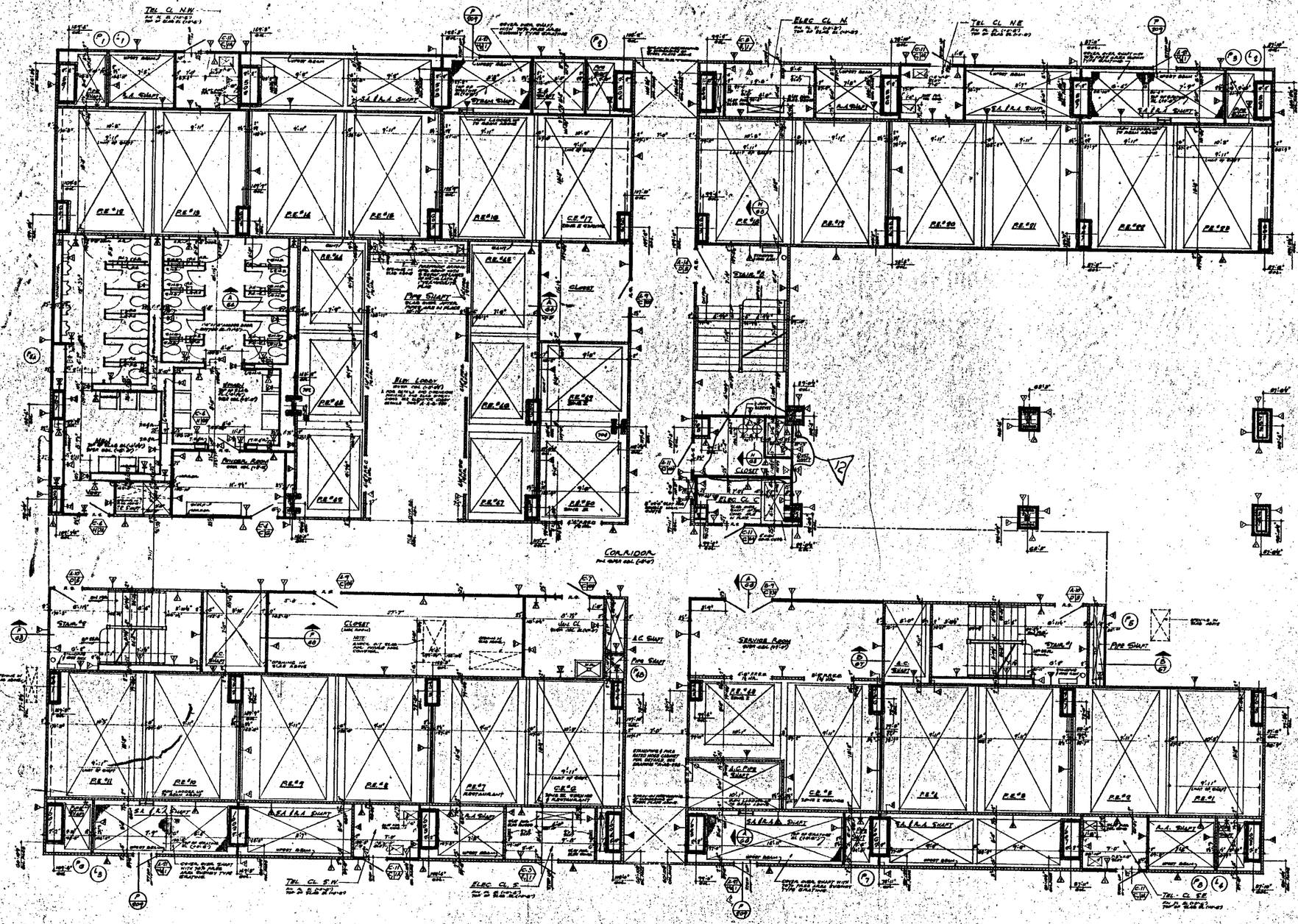
35TH TO 40TH FLOOR PLAN

1/8"-1'-0"

A-A-58

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULE OF CASEMENTS SEE DRAWINGS # A-0.1, A-0.2 & A-0.3.
2. FOR COMPLETE TH"WORLD TRADE PLAN" SEE DRAWING # A-0.4.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE ENGINEERED DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG # A-4.6-104 AND A-4.6-105.
6. ALL TRENCH HEADERS TO BE IMPREGNATED AT INSTALLATION OF SLAB FOR A WIDTH OF 6'-0" WITH A FIRE-PROOF TYPE MATERIAL. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS / CONTRACTORS SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADS AND RACEWAYS.
7. FINISH FLOOR ELEVATION (FFE) OF ELEVATOR LOBBIES (TYPICAL) UNLESS OTHERWISE SHOWN OR NOTED.
8. FINISH FLOOR DEPRESSED 1½" AT ALL TOILET ROOMS, AND DEPRESSED AT EACH LIGHTING OUTLET WHERE TILE FLOOR OCCURS. REFER TO ARCHITECTURAL FINISH SCHEDULES FOR LOCATIONS. SEE TYPICAL TOILET DETAILS DRAWING # A-4.6-104.
9. SHAFT, OR EXPOSED CEILINGS ARE DEFINED AS THOSE WHICH ARE IN CORRIDORS, STAIR ENCLOSURES ETC. BOTTOM ELEVATION OF ALL REFRIG. AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ANY LIGHT FIXTURE.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - -



NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SYMBOLS, DOOR SYMBOLS & SYMBOLS OF BRASSWORK SEE DRAWING # A-A-1 TO A-A-6
2. FOR COMPLETE 6" GRADE FLOOR PLAN SEE DWG # A-A-58
3. ALL ELEVATIONS GIVEN THUS (20'6") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE ABSORPTIVE SUB-MATERIAL DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG # A-A-204 & A-A-205
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS DWGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING
7. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS ARE GIVEN) UNLESS SHOWN OR NOTED.
8. PLANNED FOR DISPENSERS IN MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LOCATION. ALLOW FOR SOAP DISPENSER, VALVES TO BE LOCATED IN ACCORDANCE WITH THE CHOSEN DEVICE OR AS NOTED "A-AB-204". SEE TYPICAL TOILET
9. AREAS NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR. TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING AS INDICATED THUS: _____
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 12" NOMINAL (8" ACTUAL) DIMENSION IN REMOTE AREAS AND SHALL BE MINIMUM 4" FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR DIMENSIONS OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-206 THRU A-A-215.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING	date 4-1-68
	1-20-70	A-51
	1-20-70	A-53
	1-20-70	A-67
	8-18-69	A-81
	5-29-69	A-16
	5-23-69	A-17
	5-23-69	A-15
	8-1-68	A-40
6-8-71 A-184 DF	4-29-68	A-9
11-2-70 A-47	2-26-68	A-5

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT — WORKERS WORK IN THE CITY OF NEW YORK

THE WORLD TRADE CENTER

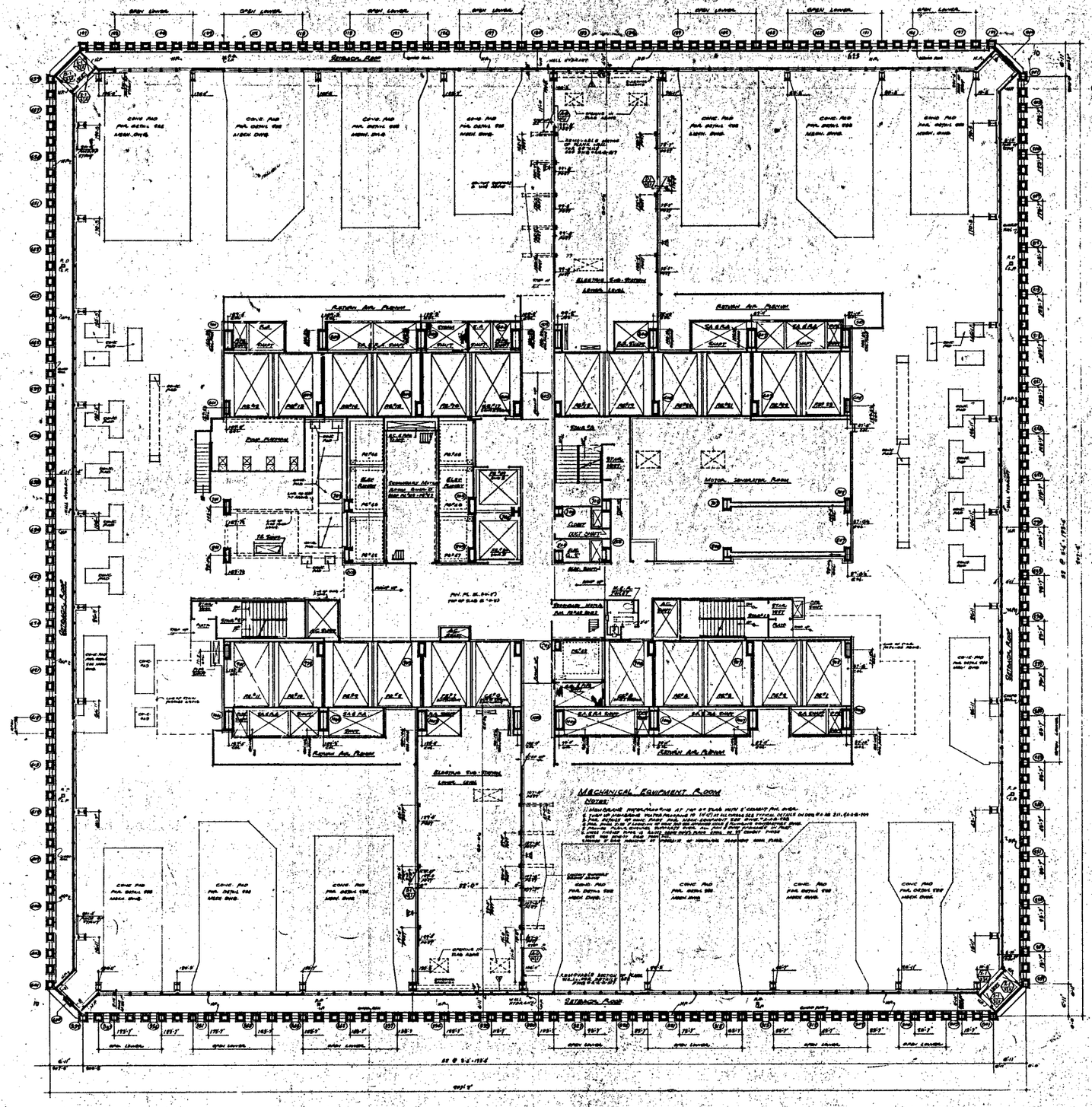
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 40TH FLOOR CORE PLAN

DESIGNED		CHECKED	
SCALE	1/16"=1'-0"	DATE	4-1-68
TRACED		SHEET	OF
APPROVED			

A-A-60



NOTES:

1. FOR GENERAL NOTES KEY TO ABBREVIATIONS, SYMBOLS, CLASSIFICATIONS AND SCHEDULES AND TOLERANCES SEE DWG. NO. A-A-1.10 A-A-1.6
2. FOR COMPLETE 'A' SERIES CODE PLAN SEE DRAWING NO. A-A-1.0.2
3. ALL ELEVATIONS GIVEN THUS (+41'-0") ARE IN RELATION TO FINISHED FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE PROJECTS ENGINEER'S DRAWINGS.
5. FOR TYPICAL STEEL DETAILS SEE DWG. NO. A-A-S-206 & A-A-S-205
6. FINISH FLOOR ELEVATION (+41'-0")
7. TOP OF SLAB ELEVATION (+41'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE TO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STORE ROOMS ETC., BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR PROPER CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. ELEVATION TO TOP OF ALL CONCRETE WORK TO BE 8'-0" UNLESS OTHERWISE SHOWN OR NOTED.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date	9-7-68
		4	4-17-78	A-316	D.B.
		3	8-29-74	A-300	L.J.
		2	6-18-71	A-164	DEL.
		1	5-18-71	A-78	A.H.
		1	1-30-70	A-15	L.J.
		1	1-30-70	A-67	L.J.
		1	5-23-69	A-127	[illegible]
		1	5-15-69	A-17	[illegible]
		1	7-1-68	A-11	M.B.
		1	5-16-68	1.1	[illegible]

NO.	DATE	SHT. NO.	BY

REVISIONS

NO.	DATE	SHT. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 41st Floor Plan
Lower Mech. Equip. Rm. Level

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-9-68
PROJECT NUMBER		SHEET	OF
CONTRACT NUMBER			

A-A-63

NORTH

ELECTRIC SUB-STATION
LOWER LEVEL

RETURN AIR PLENUM

MOTOR GENERATOR R.M.

MER TOILET

ELEC. PIT

TOILET

ELEV. MACH. RM.

MECH. EQUIP. RM.

ELEV. ROOMS

SECONDARY MOTOR R.M.

WOMEN'S TOILET

ELEV. LOBBY

CURB

SECTION 4/A8 BANK 'D'

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, PLANS SYMBOLS, DOOR, WINDOW & FINISHES SCHEDULES SEE DRAWING # A-1.1 TO A-1.5
2. FOR COMPLETE 8" GRID FLOOR PLANS SEE DWG # A-1.6
3. ALL ELEVATIONS GIVEN THUS (+0'0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE APPROPRIATE SUBSIDIARY DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. A-4.0, A-4.1 & A-4.2
6. FOR FINISH ELEVATION (+0'0") AND TOP OF SLAB ELEVATION (-4"±") UNLESS OTHERWISE SHOWN OR NOTED.
7. WHERE NO ROOM NAME GIVEN, A 4" CURB THE SAME AS IN CLOSETS, ETC. MEASURED ETC. BOTTOM ELEVATION OF ALL CURBS AND SILLS TO BE MARKED ON PLANS.
8. 2'-0" ABOVE FINISHED FLOOR, AS PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS.
10. DOOR SIZES (T ACTUAL) INDICATED IN ELEVATION, SHAFTS AND SHALL BE MINIMUM 7'0" FROM HORIZONTAL. SEE TYPICAL DETAILS.
11. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-5.0 TO A-5.2.
12. ELEVATION TO TOP OF ALL CONCRETE CURBS TO BE 12" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.

MECHANICAL EQUIPMENT ROOM

Notes

1. MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 4" CURB, TYP. AT.
2. TURN UP MEMBRANE WATERPROOFING TO (+0'-6") AT ALL OPEN. SEE TYPICAL DETAILS ON DRAWING A-4.0 AND A-4.1 SEE PLAN A-4.0-005.
3. FOR DETAILS OF CONST. AND FOR FLOOR FINISH SEE PLAN A-4.0-005.
4. FOR TYPICAL SIZE & LOCATION OF CONC. PADS SEE P.A.E.C. & PLUMBING CONTRACTORS DRAWINGS.
5. PROVIDE FLOOR CHANNEL SUPPORTS OVER ALL FIRE & SMOKE DIVISIONS IN PARTITIONS, SEE DETAIL DWG. A-4.0-004
6. PROVIDE FINISHED FLOOR, AS RAISED ABOVE (+0'-6") FLOOR, SHALL BE 6" CEMENT FINISH OVER 3000 DENSITY FOAM FOAM FILL.
7. FOR 41ST FLOOR ELEVATION AT UNDERSIDE OF MECHANICAL EQUIPMENT ROOM FLOOR.

1/8" = 1'0"

CONTRACT NO	DRAWING	date 9-1-68
	1-20-70	A-35 EC
	1-20-70	A-47 EC
	5-13-68	A-21 EL
	5-13-68	A-17 EL
6-8-71	A-16.4	CH
4-1-71	A-12.3	LI
11-5-70	A-10.8	LI
8-5-70	A-9.5	LI
5-5-70	A-9	LI
1-20-70	A-8	LI

REVISIONS

REVISIONS

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

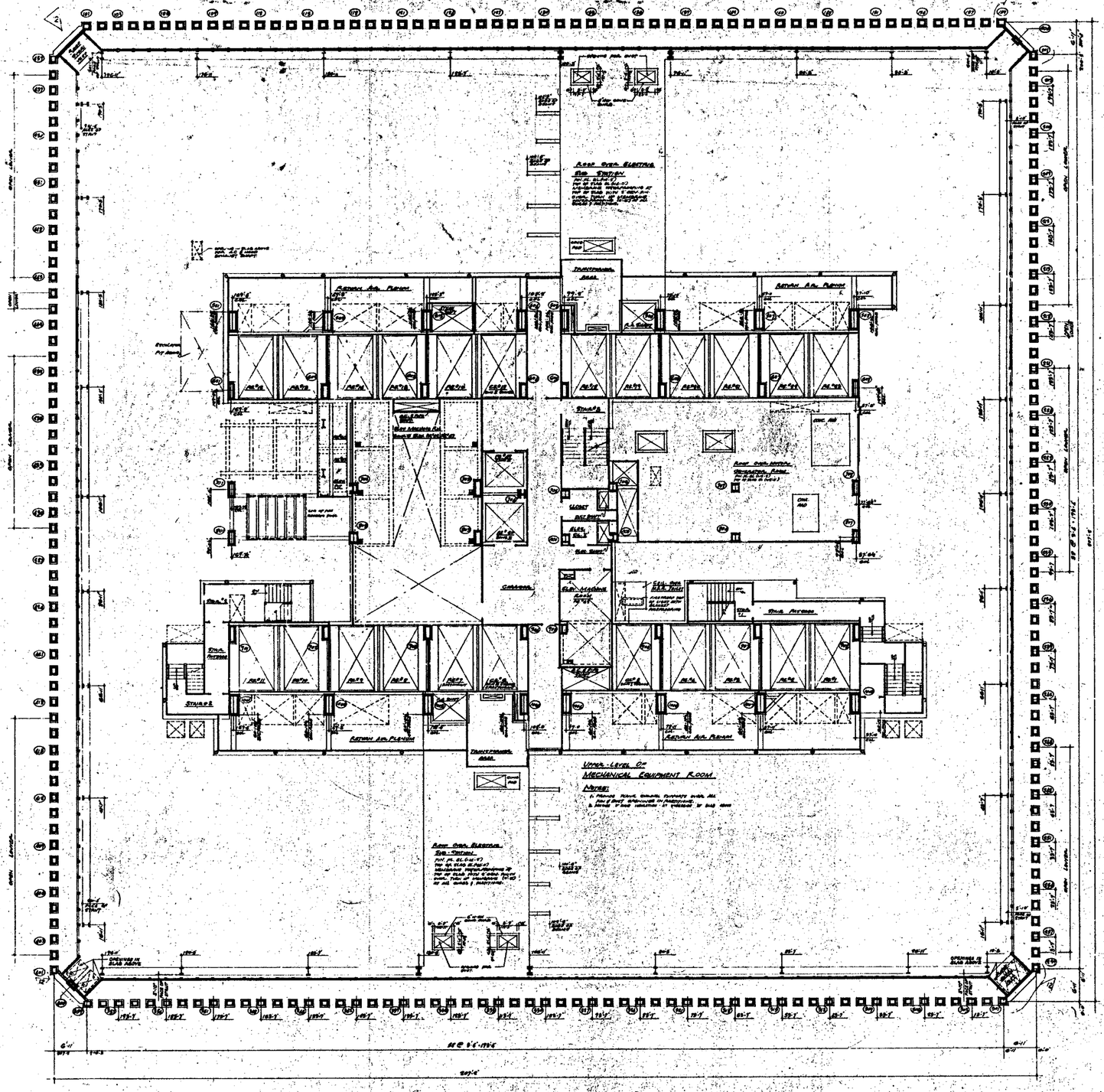
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 41ST FLOOR CORE PLAN

LOWER MECH. EQUIP. RM. LEVEL

DRAWN		SUPERVISED	
SCALE	1/8" = 1'-0"	DATE	1-20-70
APPROVED		DATE APPROVED	

A-A-64


Upper Level Of
MECHANICAL EQUIPMENT ROOM
Mezz. Elec. Electrical
Sub-Station
Roof Over Electrical
Sub-Station
Transformer Area
Stairs
Elev. Machine Room
Elev. Pit
Return Air Plenum
Return Air Room
Chiller Area
Mezz. Over Electrical
Sub-Station
Roof Over Mezzanine
Electrical Sub-Station
Mezz. Over

RETURN AIR PLENUM

TRANSFORMER AREA

ROOF OVER ELECTRIC SUB-STATION

ELEVATOR MACHINE ROOM

ROOF OVER MOTOR GENERATOR ROOM

ROOF OVER STAIR #2

STAIR #2

CORE DOOR

CORE DOOR

STAIR PASSAGE

ROOF OVER STAIR

ROOF OVER H.&R. TOILET

H.&R. TOILET

CLOSET

CORRIDOR

ELEVATOR MACH. RM.

SERVICE ROOM

CORRIDOR

UPPER LEVEL OF MECHANICAL EQUIPMENT ROOM

NORTH

NOTE

SECTION 4/A6 THRU P.E. #16

BUILDING NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO DRAWING date 6-7-68

	1-30-70	A-28	L-4
	5-25-69	A-15	L-3
	5-23-69	A-27	L-2
	9-29-69	A-23	L-1
	8-25-69	A-17	L-5
9-8-75	11-1-68	A-8	M-8
6-18-71	8-1-68	A-10	C-13
6-18-70	6-20-68	A-9	C-12
8-19-74	4-22-68	A-7	C-11
1-30-70	3-8-68	A-6	L-14

REVISIONS REVISIONS

REGISTERED ARCHITECTS

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & MCKENZIE

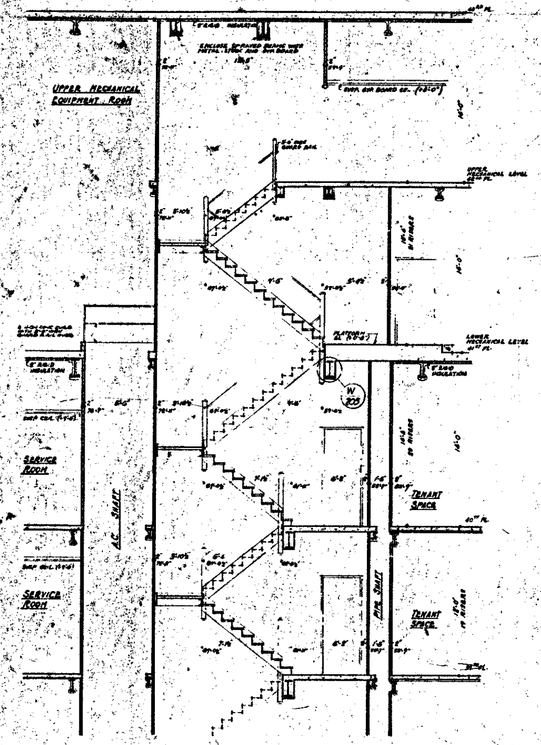
JOSEPH R. LORING & ASSOCIATES

JACKSON, JOYCE & HALLOCK

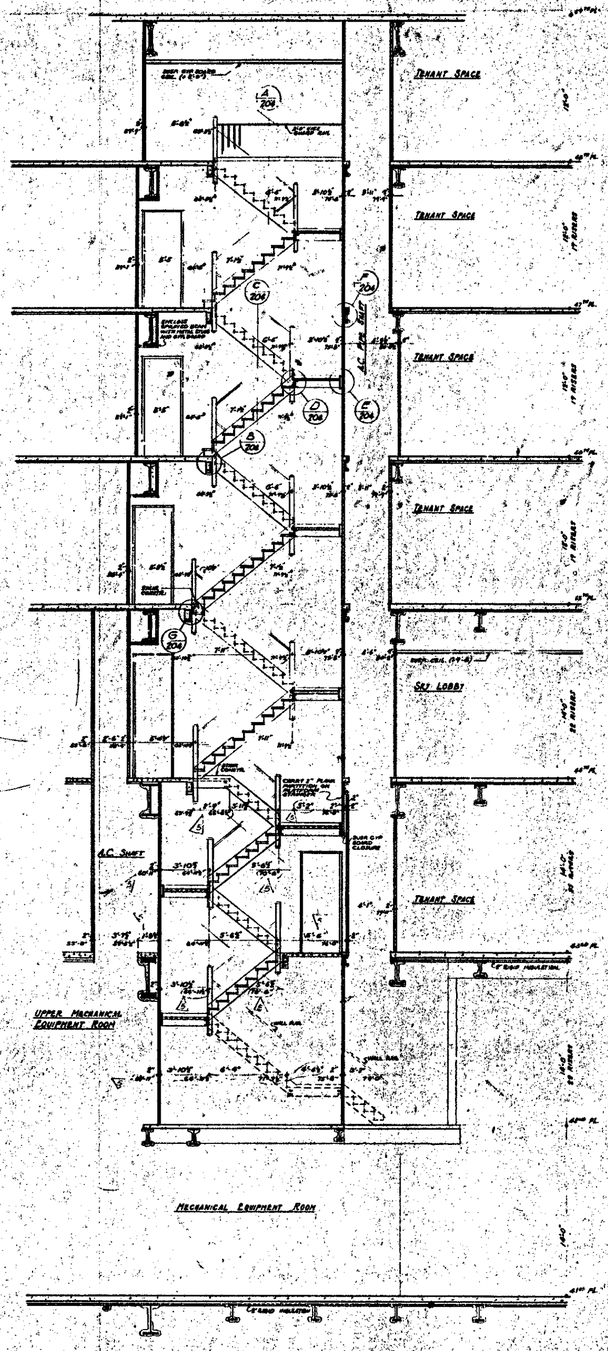
THE PORT OF NEW YORK AUTHORITY
PAYNE, STRATTON & CORNELIUS

TITLE 42ND FLOOR CORE PLAN
Up. & Mech. Equip. Rm. Level

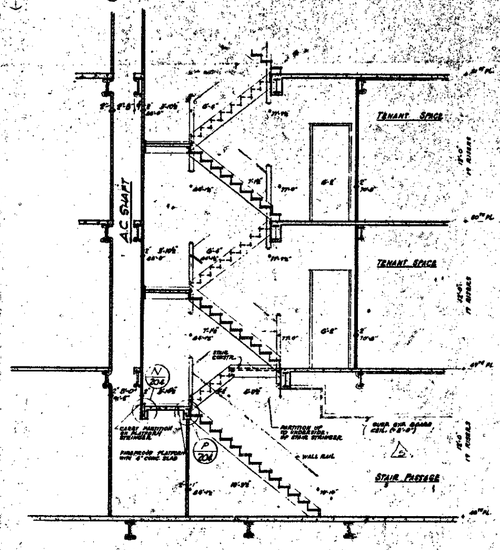
A-A-667



SECTION (B/67) THRU STAIR #1



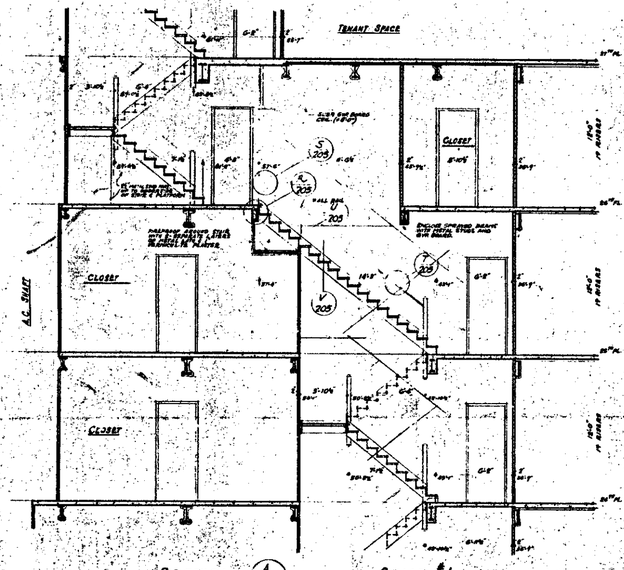
SECTION (C/67) THRU STAIR #1



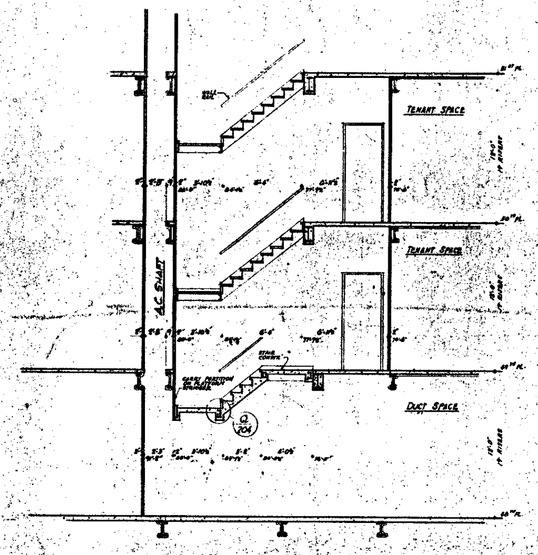
SECTION (D/67) THRU STAIR #1

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULES AND SCHEDULES SEE DRAWINGS A-0.1 TO A-0.5
2. SEE DRAWINGS A-0.1 TO A-0.5
3. ALL ELEVATIONS GIVEN (THUS (104')) ARE IN RELATION TO FINISH FLOOR.
4. FOR TYPICAL STAIR DETAILS SEE DRWGS A-68.04 AND A-68.05
5. WHERE NO DIMENSIONS OR NOTES ARE CALLED FOR, SUCH AS AT CLOSETS, STAIR, PARTITIONS ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR, TO ALLOW FOR FUTURE CEILING INSTALLATION AND CLEARANCE AT ALL DOORS.
6. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-68.01 AND A-68.02.



SECTION (A/67) THRU STAIR #1



SECTION (E/67) THRU STAIR #1

CONTRACT NO.	DRAWING	date 6-1-68

NO.	DATE	REVISIONS	DWG. NO.	BY
1	11-20-70	ADD #7	A-67	E.M.
2	5-23-69	ADD #6	A-13	L.S.
3	5-23-69	ADD #5	A-13	L.S.
4	6-18-68	ADD #4	A-6	D.G.
5	3-18-68	ADD #3	A-6	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

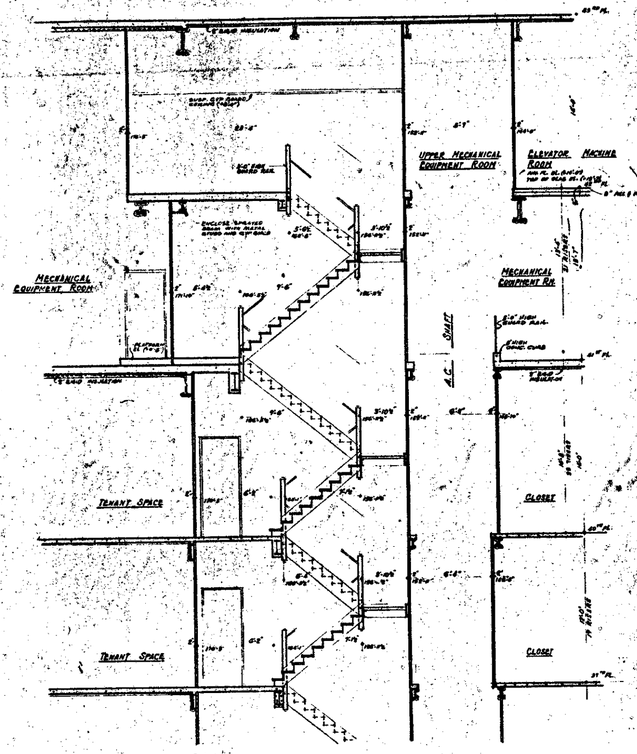
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
POWER, UTILITIES, FOUNDATIONS

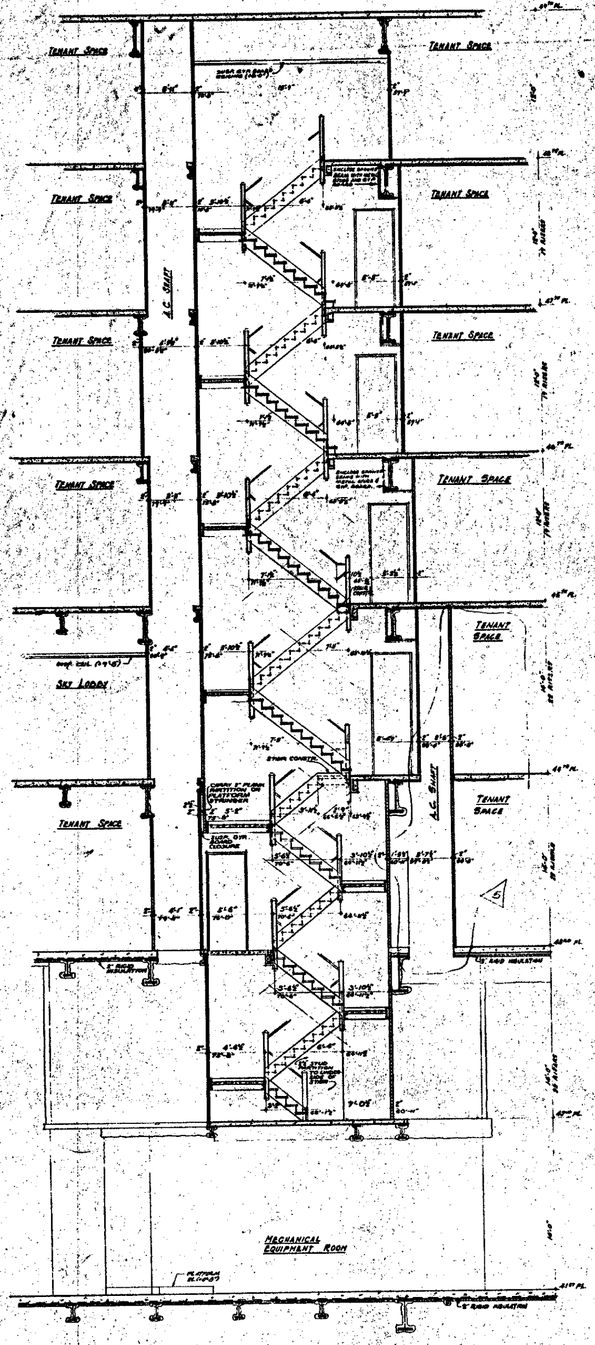
1/16" = 1'-0" scale 0 2 4 6 8 16 feet

TITLE: STAIR SECTIONS STAIR #1

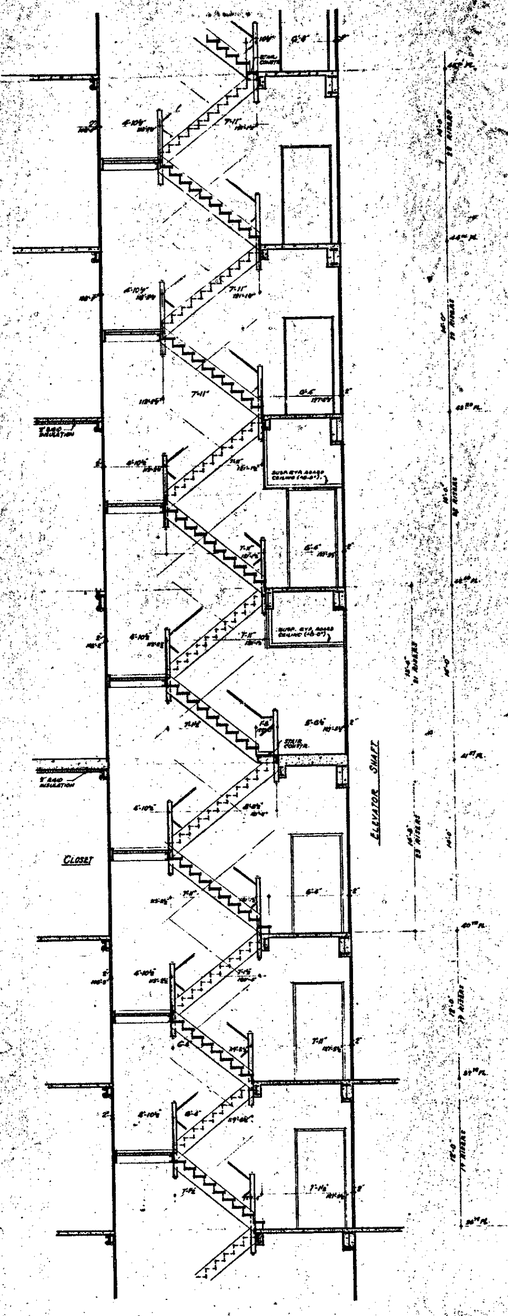
DRAWN		CHECKED	
SCALE	1/16"	DATE	7-23-67
PROJECT NUMBER		SHEET	84 OF [illegible]
DRAWING NUMBER	A-A-67		



SECTION (F/68) THRU STAIR #2



SECTION (G/68) THRU STAIR #2



SECTION (H/68) THRU STAIR #3

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DEMISES SEE DRAWINGS A-0.1 TO A-0.4.
2. ALL ELEVATIONS GIVEN, THUS (5'-10") ARE IN RELATION TO FINISH FLOOR.
3. FOR TYPICAL STAIR DETAILS SEE DWGS A-4.6-304 AND A-4.6-305
4. WHERE IN SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN RECESSED STAIR, PASSAGES ETC. BOTTOM ELEVATION OF ALL TYPES AND DETTINGS SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO ALLOW FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL LIGHTING DEVICES.
5. CHASES AND FURRING ON ALL BEAM PROJECTIONS OVER 6'0" NOMINAL (5'-8" ACTUAL) DIMENSION IN ELEVATOR, SHAFTS AND SHALL BE MINIMUM 7'0" FROM NOMINAL. SEE TYPICAL DETAILS.
6. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-4.6-306 TO A-4.6-308.

CONTRACT NO.	DRAWING date 8-1-68

NO.	DATE	DWG. NO.	BY
1	1-30-70	A-47	LJL
2	9-29-69	A-13	LJL
3	5-23-69	A-11	LJL
4	8-1-68	A-10	EDS
5	6-26-68	A-6	EDS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT PROFESSIONAL ENGINEER STATE OF NEW YORK NO. 019 019

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

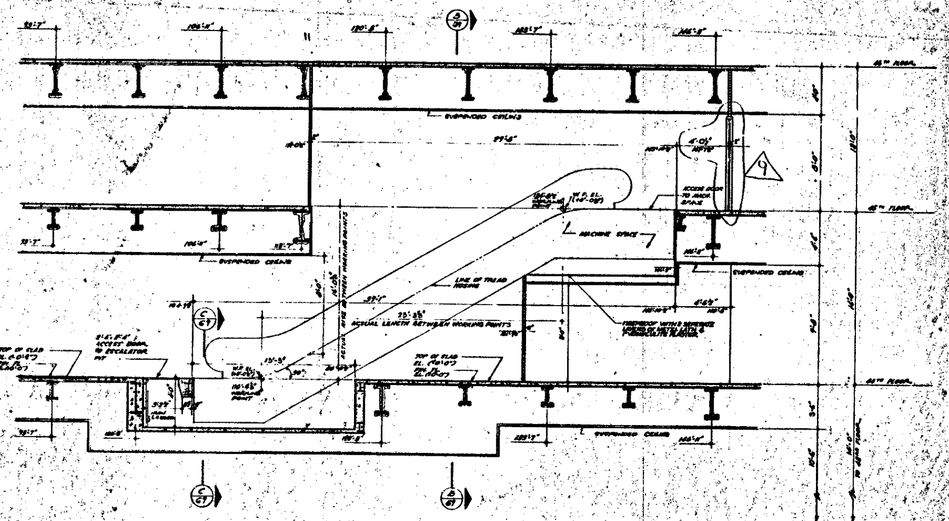
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

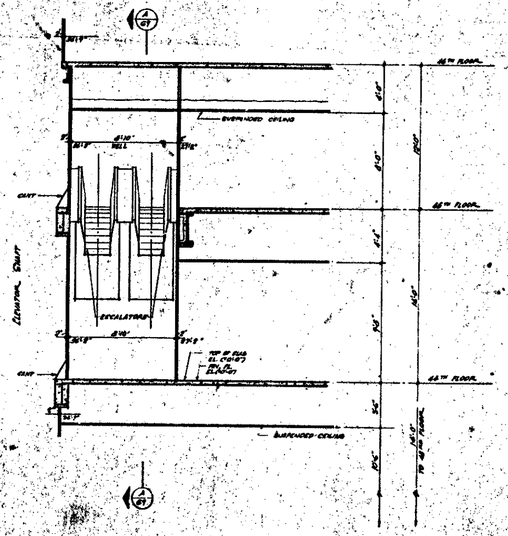
THE PORT OF NEW YORK AUTHORITY
DAVIES, UTILITIES, FOUNDATIONS

TITLE: STAIR SECTIONS STAIRS #2 & #3

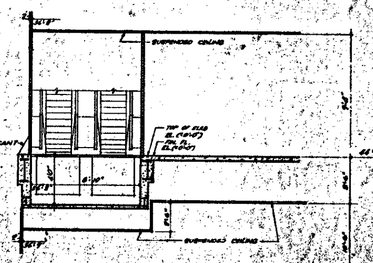
DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-29-67
PROJECT ENGINEER		SHEET	OF
DRAWING NO.	A-A-68		



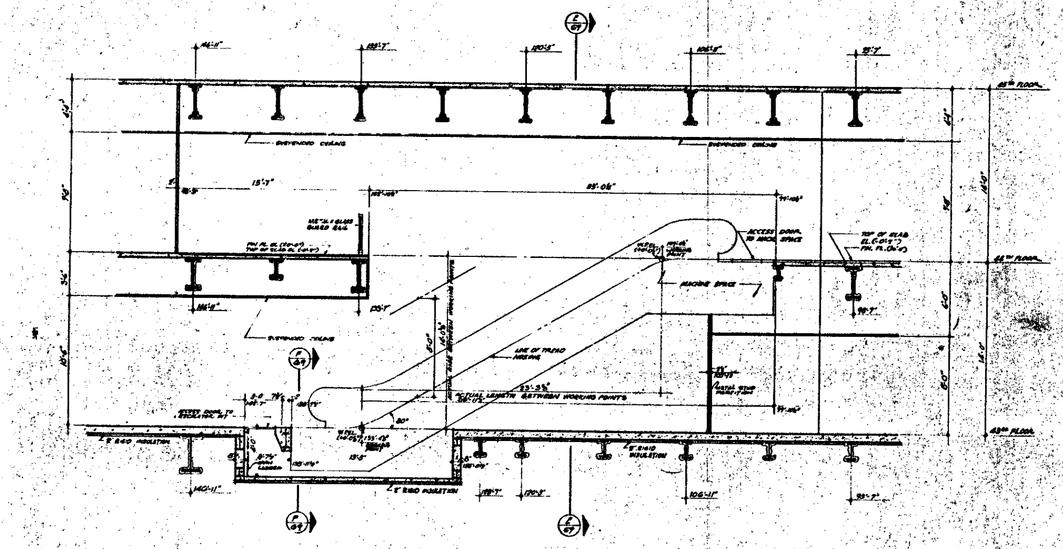
SECTION (A/G1) THRU ESCALATORS A-5 & A-6



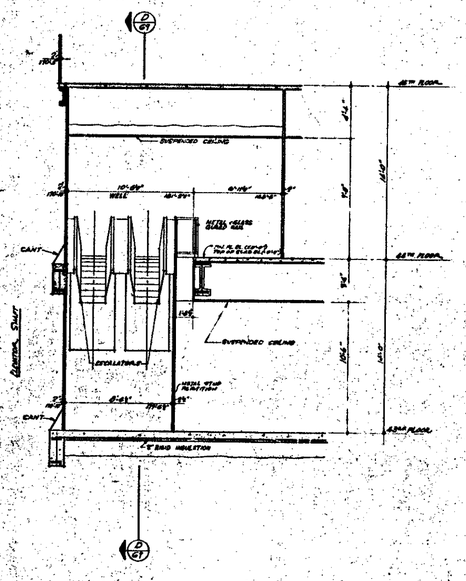
SECTION (D/G1)



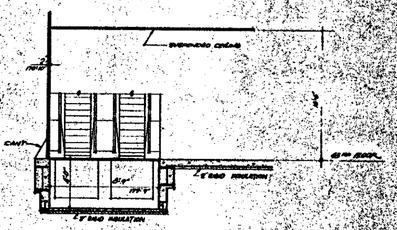
SECTION (C/G1)



SECTION (D/G1) THRU ESCALATORS A-3 & A-4



SECTION (E/G1)



SECTION (F/G1)

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, PLASTER FURRING, CORK, TACKBOARD, AND BASE, SEE DRAWING A-AB-501 TO A-AB-504.
2. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.
3. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE ELECTRICAL DRAWINGS.
4. PAINT FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE EXPOSED UNLESS OTHERWISE SHOWN OR NOTED.
5. VISIBLE AS EXPOSED STRUCTURE AND PAINTED PER, AND SEE M-14 CLARITE, STAIR, HANDRAILS ETC., BOTTOM ELEVATION OF ALL EXPOSED AND CONCEALED SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOORS, TO ALLOWED FOR, PIPING FURRING INSTALLATION AND CLEARANCE OF ALL LIGHT FIXTURES.
6. FOR ADDITIONAL DETAILS AND SECTIONS OF ESCALATORS SEE DWG #A.O.-7.02.
7. CANTS AND FURRINGS AT ALL DRAIN PENETRATIONS SHOWN SPECIFICATIONS (6" ACTUAL) DIMENSION IN SECTIONS, SLOPES TO DRAINS ARE MINIMUMS, TOP FROM HORIZONTAL. SEE TYPICAL DETAILS.
8. FOR ESCALATOR DETAILS, PANELING AND ADDITIONAL SECTIONS SEE DRAWING # A-AE-552.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-506 TO A-AB-510.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.		DRAWING dgs. 1960	
	A 5-17-76	A-1551	L.L
	A	A-1164	LC
	A 6-18-71	A-1165	DBL
	A 11-5-70	A-1139	L.L
	A 2-5-70	A-78	A.K
	A 1-30-70	A-47	L.L
	A 5-11-69	A-25	L.L
	A 5-15-69	A-17	L.L
	A 9-1-68	A-10	DBL
A	L.L A 6-19-68	A-5	D.B

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — EMERY ROTH & SONS
MINORU YAMASAKI, ARCHITECT — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — JAROS, BAUM & BOLLES
STRUCTURAL ENGINEERS — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — THE PORT OF NEW YORK AUTHORITY
ELECTRICAL ENGINEERS — PAVING, UTILITIES & FOUNDATIONS

TITLE: ESCALATOR SECTIONS
ESCALATORS A-3, A-4, A-5 & A-6

SCALE: 1/4"=1'-0" — DATE: 7-24-67

PROJECT NUMBER — SHEET OF

DRAWING NUMBER: A-A-69

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, ETC., SEE GENERAL NOTES, DATA SCHEDULES AND SCHEDULE OF DRAWINGS, SEE DRAWINGS A-1-1 TO A-1-6.
2. FOR CODE FIT COMPLIANCE AND NOTES IN CAPS ABOVE AND 1/4" SCALE CODE DRAWING A-1-71.
3. ALL ELEVATIONS GIVEN THUS (T.O.F.) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE DESIGNATED DRAWINGS, MARKED E.
5. ALL TRENCH HEADERS TO BE PREPARED AT UNDERSIDE OF SLAB FOR A MINIMUM OF 4'-0" WITH A 2'-0" 45° FILLET. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL DRAWINGS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND LAYOUT OF TRENCH HEADERS AND RACEWAYS.
6. CONCRETE AND TILE LIMITING LENGTH AS SHOWN, FOR ALL OTHER LIMITING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF BEAM ELEVATIONS ARE (T.O.F.) UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SHOW 78" A.F.F. CLEARANCE TO FINISH, PIPELESS ETC., BOTTOM ELEVATION OF ALL PIPING AND STRUCTURAL SHALL BE MAINTAINED. IT SHALL BE THE RESPONSIBILITY OF ALL TRADES TO COORDINATE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS _____

A.C. & HOOD EXHAUST SHAFT

A.C. SHAFT

A.C. SHAFT

A.C. SHAFT

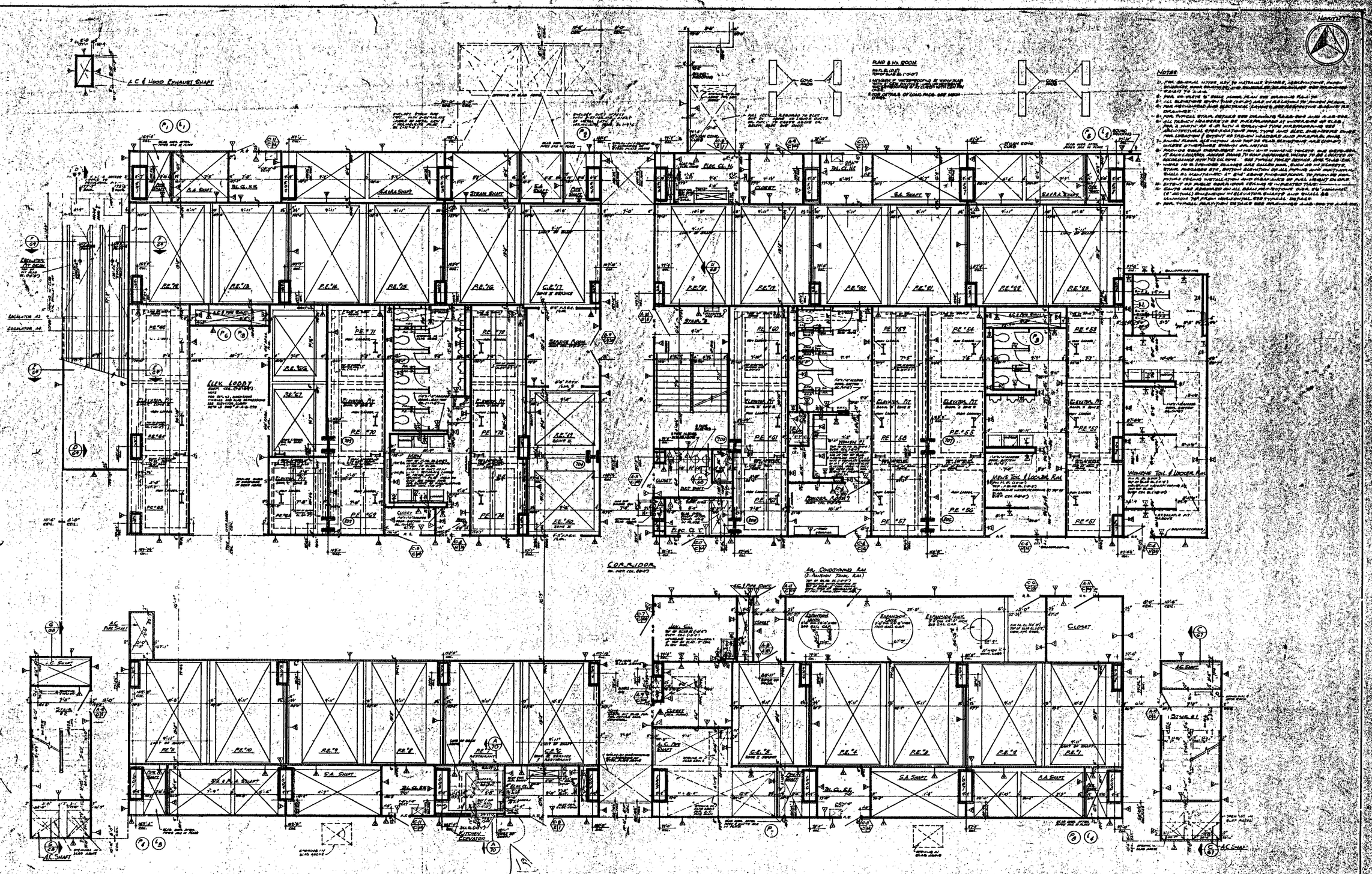
ESCALATOR PIT BELOW

ESCALATOR PIT ABOVE

ELEVATOR CABS

ELEVATOR CABS

ELEVATOR CABS



BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO	DRAWING	date 5-1-68
	1-80-M	A-67
	1-80-M	A-68
67-93-1	4-194	LC	5-23-69	A-13
8-68-71	A-166	GBL	6-28-69	A-81
11-67-70	A-186	LL	5-23-69	A-36
5-1-70	A-78	LL	5-23-69	A-33
5-15-70	A-56	PG	5-23-69	A-17
1-80-M	A-81	LL	5-1-68	A-10
1-80-M	A-83	LL	6-20-68	A-8
1-80-M	A-165	PG	6-27-68	A-7

DATE | NO. | BY — REVISIONS

DATE | NO. | BY — REVISIONS

APPROVED

CHIEF PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

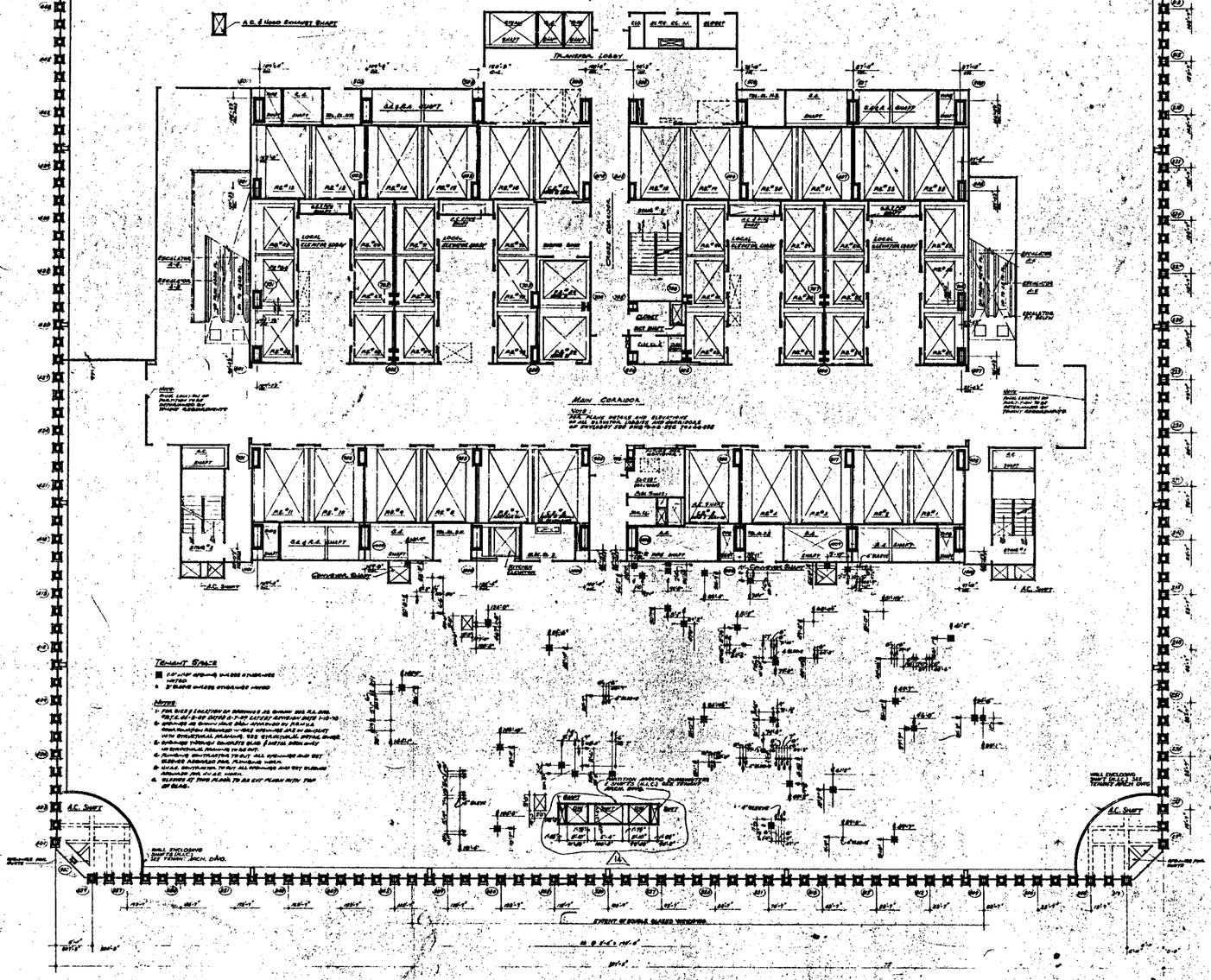
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATION

TITLE: 43rd FLOOR CORE PLAN
LOWER ESCALATOR LEVEL

DRAWN | CHECKED
SCALE: 1/8" = 1'-0" | DATE: 5-1-68
PROJECT NUMBER | SHEET NO.

DRAWING NO. A-A-71



NOTES

1. FOR GENERAL NOTES, KEY TO SYMBOLS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES, SEE DRAWINGS A-A-1 TO A-A-6
2. FOR COMPLETE DIMENSIONS AND NOTES ON CORE AREA SEE 4" SCALE CORE DRAWING A-A-78
3. ALL ELEVATIONS GIVEN THUS (3'-0"-0") ARE IN RELATION TO FINISH FLOOR.
4. ALL MECHANICAL AND ELECTRICAL LAYOUTS ARE RESPECTIVE DRAWINGS.
5. ALL TRENCH WORKING TO BE RESPONSIBLE AT UNDERSIDE OF SLAB FOR 4" WIDTH OF 4" WITH A SPECIAL TYPE PERIMETER SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND EXTENT DIMENSIONS ALL OUTLINES APPROVED SHOP DRAWINGS FOR LOCATION AND DIRECTION FROM WORK AND TERMINATION
6. CHECK AND TEST LIGHTING AS SHOWN FOR ALL STATE LIGHTING SEE ELECTRICAL DRAWING AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (78'-0") UNLESS OTHERWISE SHOWN TO NOTED.
8. WHERE NO OVERALLS, CEILINGS ARE CALLED FOR, SOFFITS AT CLOSETS, STAIR LANDINGS ETC., BOTTOM ELEVATION OF SLAB OR BEAMS AND BOTTOMS SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

BULLETINS NOT DATED ARE IN THE PROCESS OF CANCELLATION

CONTRACT NO.	DRAWING	Rev. 9-1-48		
		4	A-166	CBL
		3	9-1-71	A-163	LLB
		2	2-15-70	A-79	ALL
		1	12-17-70	A-63	CC
		A	1-30-70	A-156	EC
			1-30-70	A-45	DG
8	8-28-70	A-203	LL	1-30-70	A-60	DG
7	8-19-70	A-228	LC	6-25-69	A-17	DL
6	6-18-70	A-166	CBL	5-23-69	A-15	LS
5	6-18-70	A-166	CBL	5-23-69	A-15	S.L.P.

NO. | DATE | DWG. NO. | BY — REVISIONS

NO. | DATE | DWG. NO. | BY — REVISIONS

BULLETINS NOT DATED ARE IN THE PROCESS OF CANCELLATION

APPROVED

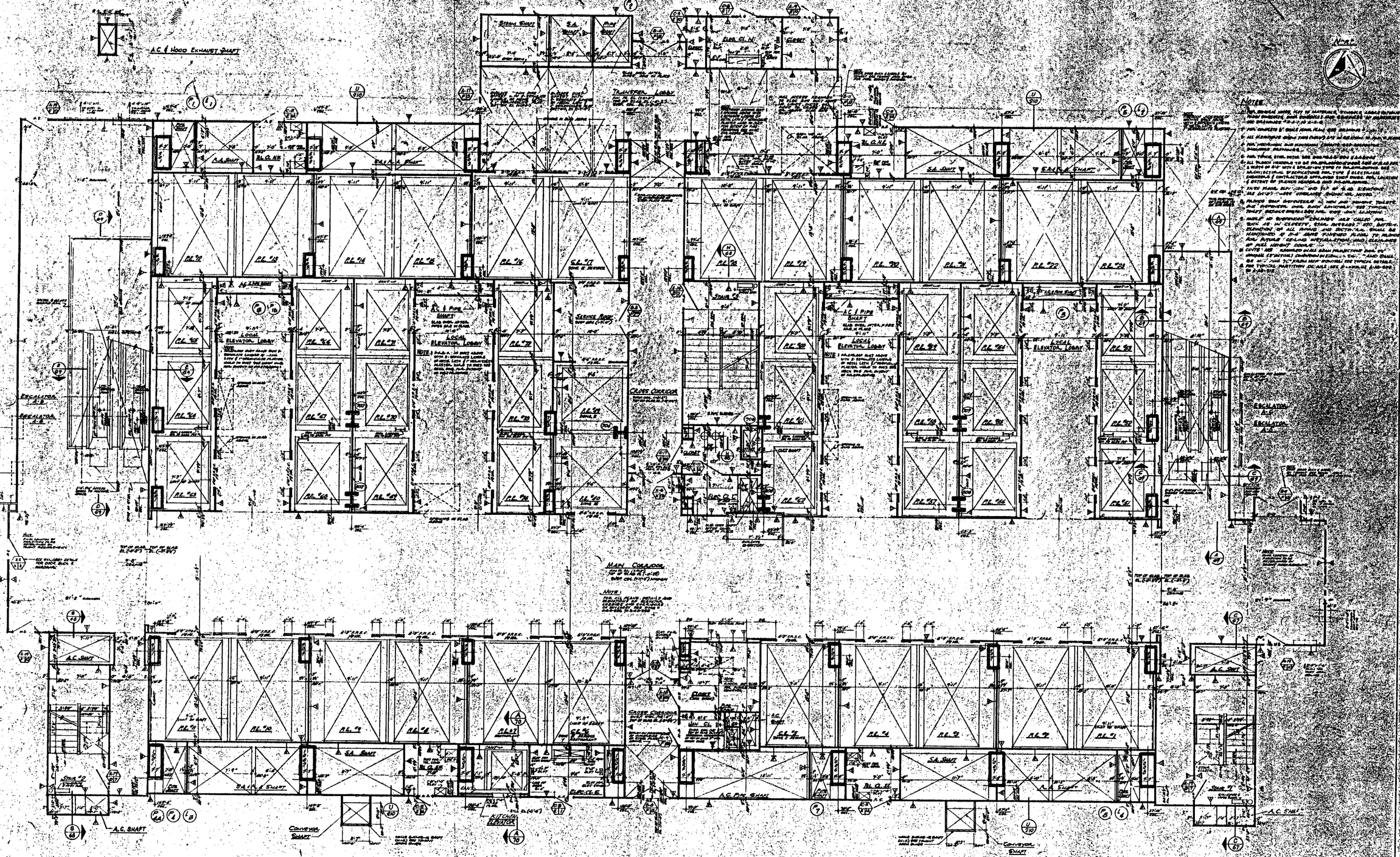
REGISTERED ARCHITECT — STATE OF NEW YORK

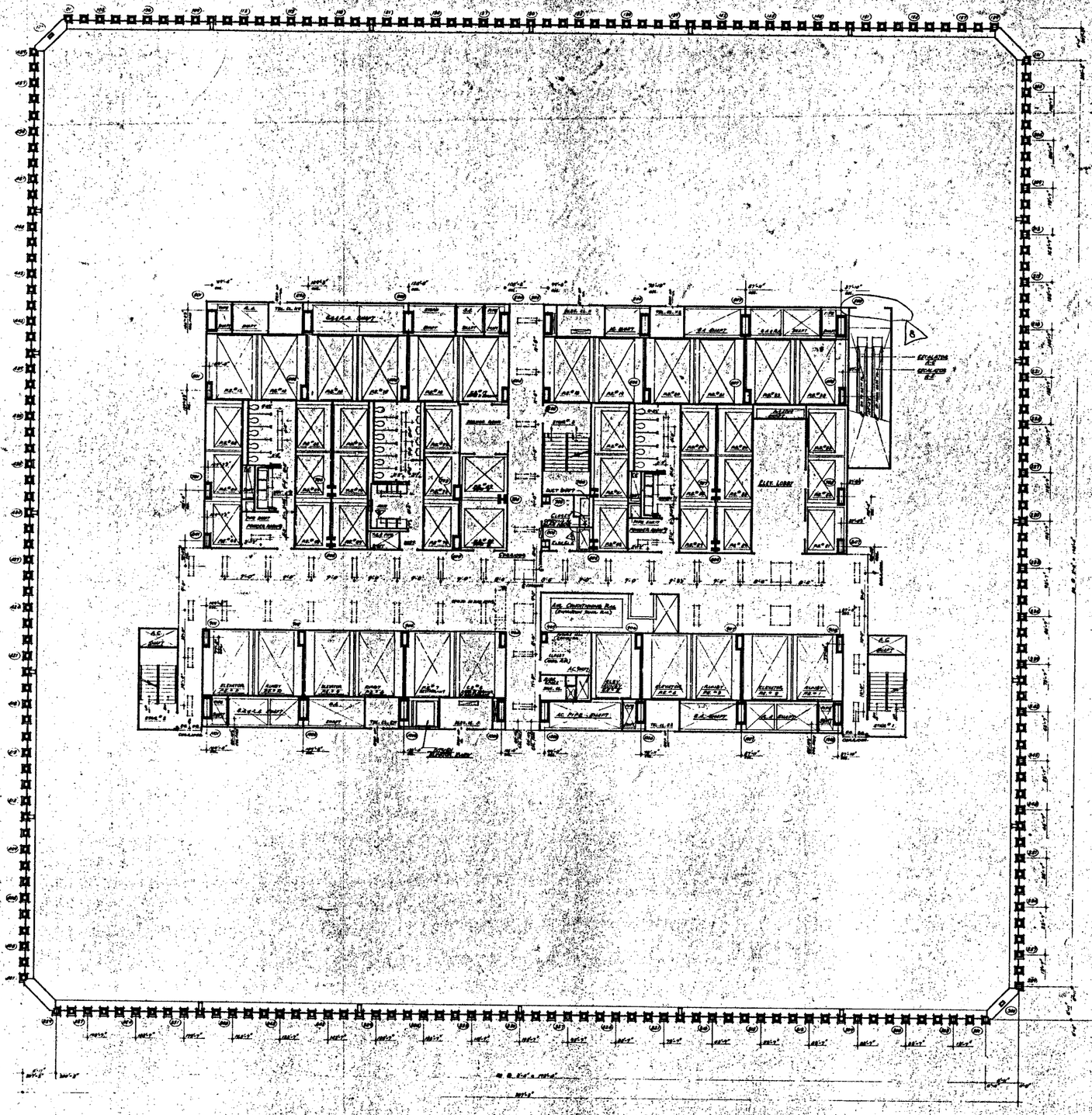
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 44TH FLOOR PLAN — SKY LOBBY
SCALE: 1/16"=1'-0" | DRAWN | CHECKED
BOARD | DATE: 8-31-71
PROJECT NUMBER | SHEET OF
CONTRACT NUMBER: A-A-72


A.C. & Hood Exhaust Shaft
Steel Stair
S.A. Shaft
Elec. Cl. Rm.
Transient Lobby
Closet
R.L. 72
R.L. 74
R.L. 76
R.L. 78
R.L. 80
R.L. 82
R.L. 84
R.L. 86
R.L. 88
R.L. 90
R.L. 92
R.L. 94
R.L. 96
R.L. 98
R.L. 100
R.L. 102
R.L. 104
R.L. 106
R.L. 108
R.L. 110
R.L.


ELEC. LOBBY
ELEVATORS E2
GEN. ELEVS E2
Air Conditioning Duct (Continues from Story Below)
ELEVATOR NO. 2
ELEVATOR NO. 3
ELEVATOR NO. 4
ELEVATOR NO. 5
ELEVATOR NO. 6
ELEVATOR NO. 7
ELEVATOR NO. 8
ELEVATOR NO. 9
ELEVATOR NO. 10
ELEVATOR NO. 11
ELEVATOR NO. 12
ELEVATOR NO. 13
ELEVATOR NO. 14
ELEVATOR NO.

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS AND SCHEDULES, SEE DRAWING A-00.
2. FOR SITE PLAN, SEE DRAWING A-01.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS, SEE DRAWING M-00 AND E-00 RESPECTIVELY.
5. FOR TYPICAL STAIR DETAILS SEE DWG. A-4.0-2.0 & 4.0-3.0.
6. ALL TRADES WORKING IN OR PASSING THROUGH AT UNBUILDER OR SLAB ON A GRADE OF 5'-0" WITH A WALL OF TYPE OR MATERIAL OTHER THAN AS ARCHITECTURAL SPECIFICATIONS SHALL TYPE A STRUCTURAL ENGINEER'S / MECHANICAL ENGINEER'S APPLIANCE SHOP DWGS. FOR LOCATION / EXTENT OF TRENCH HEADER & SLAB OPENINGS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (U.O.N.) UNLESS OTHERWISE SHOWN ON DWG.
8. TOILET AND EXPANSION / JOINTS AND SUNKEN TOILET AND SHOWER FLOORS TO BE PROVIDED AS SHOWN ON SHOP DRAWINGS, WHICH TO BE SUBMITTED IN ACCORDANCE WITH THIS CONTRACT.
9. REF. TYPICAL DETAILS DWG. A-4.0-2.0 FOR JACK AT OF CURTAIN WALL PERIMETER STEEL BEFORE PLACEMENT OF CAP PLATE AND FASTENERS, SHIM AS NECESSARY TO ACHIEVE PROPER FACE ALIGNMENT OF CURTAIN WALL FACING. ALIGN TO MAINTAIN 1/8" JOINT BETWEEN CAP PLATE AND FASTENER. ALIGN CURTAIN WALL AND INSTALLATION AND GRANDEUR OF FINAL FINISH GRADE.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS
11. CANTS ARE PROVIDED AT ALL SLAB PROJECTIONS WITH 45° BEVELS (4" MINIMUM) AT EXTERIOR WALLS, SLOPED ALONG SHALL BE MINIMUM 1/8" PER FOOT, U.O.N. - SEE TYPICAL DETAILS.
12. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-4.0-2.0 & A-4.0-3.0.

TEL. CL. N.W. (TYP. OF 2) (TYP. OF 2 EA. FLR.)
ELEC. CL. N. (TYP. OF 2 EA. FLR.)
TEL. CL. N.E. (TYP. OF 2 EA. FLR.)
STEAM SHAFT
S.A. SHAFT
A.C. SHAFT
A.C. DUCT
A.C. & P. DUCT SHAFT
ESCALATOR A-2
ESCALATOR A-3
STAIR 1
STAIR 2
STAIR 3
ELEV. LOBBY
SERVICE ROOM
MEN
WOMEN
CLOSET
DOUBLE CABLE TV
ELEC. CL. C.
CORRIDOR
AIR CONDITIONING ROOM (SOUNDPROOF TRANS. ROOM)
A.C. PIPE SHAFT
ELEVATOR
RUNDY
ELEVATOR RUNDY
TEL. CL. S.W. (TYP. OF 2)
ELEC. CL. S. (TYP. OF 2)
TEL. CL. S.E. (TYP. OF 2)
COL. P01
COL. P01A
COLUMN DETAILS

BULLETING NOT DATED ARE IN AS FOR "ISSUE FOR CONSTRUCTION"

CONTRACT NO.		DRAWING	date 2-1-68	
		1-30-70	A-46	LnL
		1-30-70	A-47	EC
		1-30-70	A-45	EC
2-17-70	A-176	5-19-69	A-8	EC
12-27-67	A-100	8-28-69	A-81	ATG
	A-164	3-25-69	A-26	LnL
6-6-69	A-166	3-25-69	A-27	LnL
8-8-69	A-166	3-25-69	A-25	LnL
11-6-70	A-108	8-4-70	A-10	DIG
11-30-70	A-81	11-20-69	A-6	DIG

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

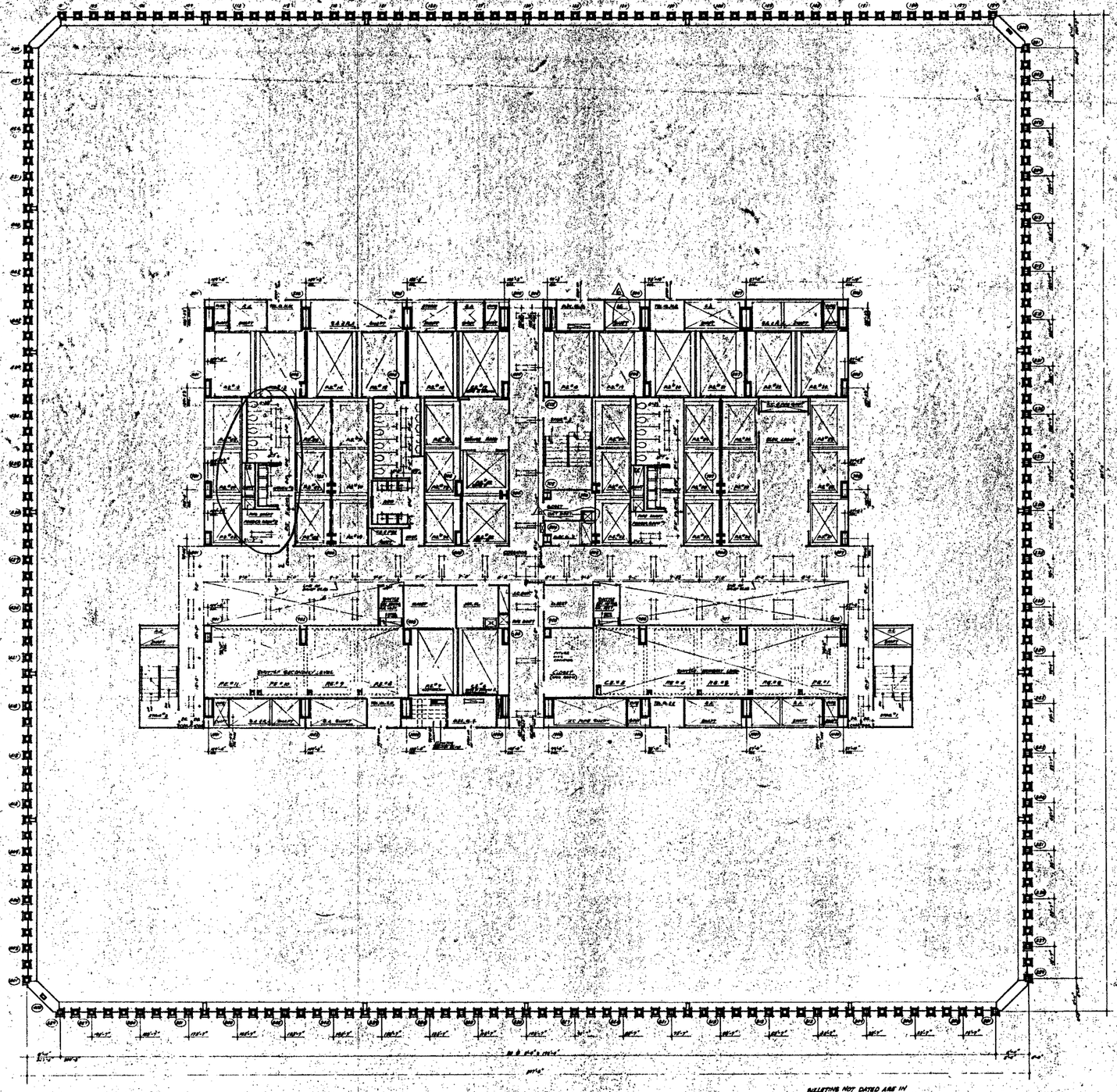
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES COORDINATORS

1/8"-1'0"

TITLE: 45TH FLOOR CORE PLAN
UPPER ESCALATOR LEVEL

DRAWN		CHECKED	
SCALE	1/8"=1'0"	DATE	2-20-67
PROJECT NUMBER		SHEET	
DRAWING NUMBER		A-A-75	



North

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE, ETC., SEE DRAWING A-1.1 TO A-1.5.
2. FOR TOILETS, PANTRIES AND OTHER PLUMBING FIXTURES, SEE DRAWING A-7.11.
3. ALL DIMENSIONS GIVEN ARE TO FACE OF CONCRETE OR MASONRY UNLESS OTHERWISE NOTED.
4. FOR MECHANICAL AND ELECTRICAL EQUIPMENT AND OPERATING ROOMS, SEE DRAWINGS M-1 AND E-1.
5. ALL FINISHES INDICATED TO BE PERFORMED ARE A PART OF THE WORK AS SPECIFIED IN THE PERFORMANCE AND ARCHITECTURAL SPECIFICATIONS AND THE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION SPECIFICATIONS.
6. FOR THE LOCATION, EXTENT OF FINISHES AND DETAILS OF PARTITIONS, SEE DRAWINGS AND SPECIFICATIONS.
7. FOR CEILING AND TOILET LIGHTING LAYOUTS, SEE DRAWING A-7.11.
8. FOR PARTITIONS AND FURRING ADJACENT TO MECHANICAL EQUIPMENT, SEE DRAWINGS M-1 AND E-1.
9. PROVIDE PEDAL EXTENSION AND TEE OR BLADE HANDLE ON ALL SHAFT CONTROL VALVES. SEE DRAWING M-1 AND E-1.
10. WHERE NO ENERGIZED CONTROL HAS BEEN CALLED FOR UNDER ANY OF CLOSURE ITEMS, PNEUMATIC PIC, BOTTOM EXPOSURE OF ALL PANELS AND CONTROL BOXES SHALL BE MOUNTED AT 60" ABOVE FINISHED FLOOR TO FACILITATE THE FUTURE INSTALLATION AND ACCESSIBILITY OF THE CONTROLS THERE.
11. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 8-9-66

NO.	DATE	BUL. NO.	BY
4	6-15-71	A-106	GBL
3	1-20-71	A-85	L.L.
2	12-30-70	A-45	L.L.
1	2-25-67	A-3	B.C.
5	3-13-67	A-17	L.L.S.
6	7-12-72	A-121	L.L.S.

REVISIONS

REGISTERED ARCHITECT — STATE OF NEW YORK

APPROVED

OWNER, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

Joseph R. Loring & Associates — Electrical Engineers

THE PORT OF NEW YORK AUTHORITY — PARKING, UTILITIES, FOUNDATIONS

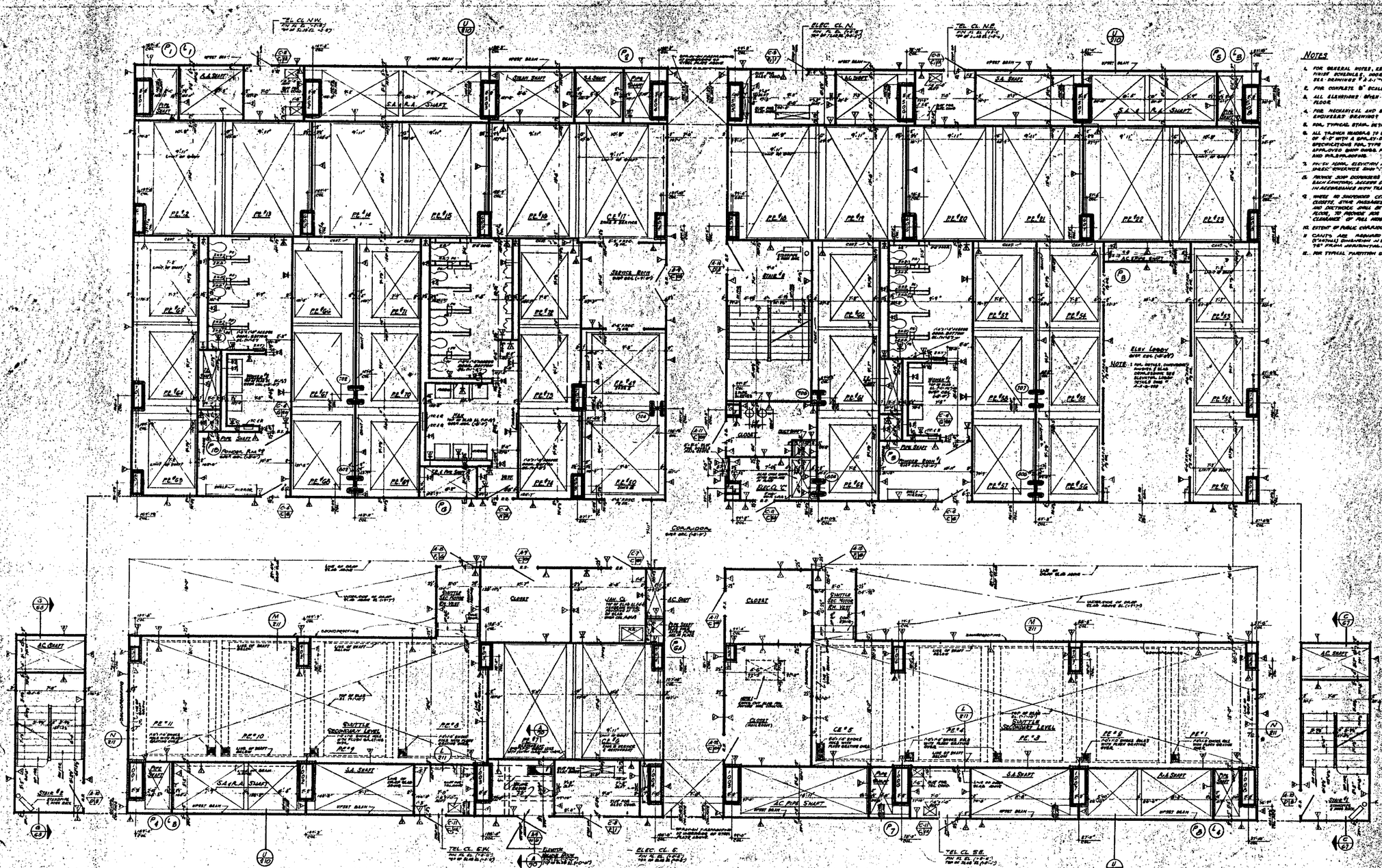
TITLE: 46th FLOOR PLAN

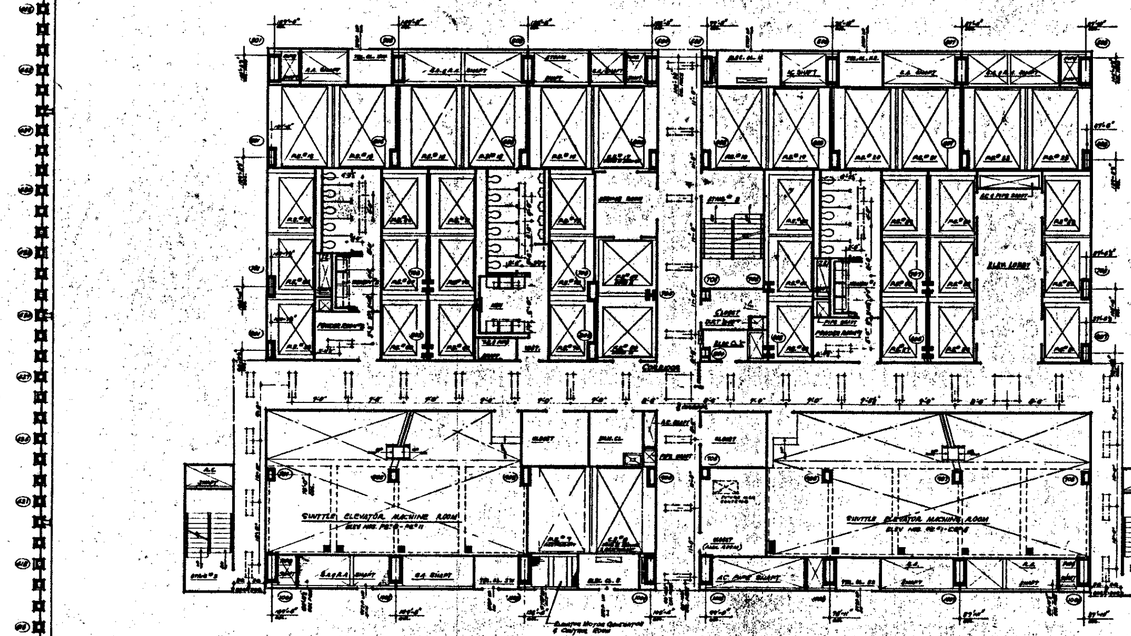
1/16" = 1'-0"

SCALE: 1/16" = 1'-0" — DATE: 7-1-67

PROJECT NUMBER: — AUTHOR:

DRAWING NUMBER: A-A-76


NORTH
NOTES
1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-2.01 TO A-2.03
2. FOR CONTRACT 1/8" SCALE FLOOR PLANS SEE DRAWINGS A-3.01 TO A-3.04
3. ALL ELEVATIONS GIVEN THUS (100'0") ARE IN RELATION TO MAIN FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWG. A-3.01-02 & A-4.01-02
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING
7. FOR LOCAL ELEVATION AND TOP OF SLAB ELEVATIONS SEE DWGS. STRUCTURE SHEET 1, SR. NOTE 1
8. PROVIDE JOHN DOUGLASS 'J' SERIES AND UNISEX TOILETS AND DISPENSERS AT EACH FLOOR, ACCESS GRADE TO BE SHOP DRAWINGS SUBMITTED TO AE & E FOR IN ACCORDANCE WITH THE CONTRACT SEE TYPICAL TOILET DETAILS, DWG. A-3.01-02
9. WHERE TO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CORRIDORS, STAIR PASSAGE ETC., ALL PIPES, DUCTS AND ELECTRICAL CONDUIT SHALL BE MAINTAINED AT SLAB ABOVE FINISHED FLOOR, TO PROVIDE FOR PIPING, CONDUIT INSTALLATION AND CLEARANCE OF ALL HEIGHT BOOMS.
10. EXTENT OF PUBLIC CORRIDOR CEILING AS INDICATED THUS
11. CANTS ARE REQUIRED ON ALL SLOPE TRANSITIONS OVER 1/8" HORIZONTAL DIMENSION IN ELEVATOR SHAFTS AND CLOSE TO MINIMUM 18" FROM JOGGING WALL. SEE TYPICAL DETAILS, SEE TYPICAL DETAILS.
12. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A2-01-2 TO A-A2-01-2
Elev. Lobby
Shaft Dim. (16'-0")
Shuttle Secondary Level
Shuttle Sec. Motor Rm. Vent
Corridor
Elec. Cl. N.
Tel. Cl. N.E.
Tel. Cl. N.W.
Elec. Cl. S.
Tel. Cl. S.E.
Tel. Cl. S.W.
Elec. Cl. E.
Tel. Cl. E.M.
Elec. Cl. W.
Tel. Cl. W.M.
Duct Shaft
Pipe Shaft
Closet
Janitor
Sprinkler Room
Toilet Room
Stair 8
Stair 9
Stair 10
Stair 11
Stair 12
Stair 13
Stair 14
Stair 15
Stair 16
Stair 17
Stair 18
Stair 19
Stair 20
Stair 21
Stair 22
Stair 23
Stair 24
Stair 25
Stair 26
Stair 27
Stair



NORTH

NOTES

1. ALL GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND DRAWINGS OF DOORS AND PARTITIONS A-2.1 TO A-2.5
2. ALL CONCRETE, MASONRY AND NOTES & HOW ARE ON SHEET A-2.77
3. ALL SUBSTANCE, OTHER THAN CLEAN AIR, IN RELATION TO WORK BELOW.
4. ALL MECHANICAL AND ELECTRICAL WORK BY SEPARATE ENGINEERS.
5. ALL FLOOR HEADS TO BE PROTECTED AT EMERGENCE OF FLUE FOR A DEPTH OF 3'0" WITH A SPRAY-ON TYPE FIREPROOFING, SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL, MECHANICAL AND ARCHITECTURAL DRAWINGS FOR LOCATION AND EXTENT OF FIREPROOFING.
6. CHECKING AND TOILET LOCATION LAYOUT AS SHOWN, SEE ALL OTHER LAYOUTS FOR ELECTRICAL, MECHANICAL AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE EQUAL UNLESS OTHERWISE SHOWN OR NOTED.
8. ENTIRE AIR DISTRIBUTION SYSTEMS ARE CALLED FOR, DUCT WORK AS PLENUMS, STEEL MEMBERS ETC., BEFORE ERECTION OF ALL PIPING AND ELECTRICAL SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC TELEPHONE BOOTHS IS INDICATED THUS _____

A-78

BULLETINS NOT DATED ARE IN THE RECORDS AT COMPLETION
CONTRACT NO. DRAWING DATE: 9-1-66

NO.	DATE	SUBJECT	BY
1	6-18-71	A-FLOOR PLAN	
2	1-28-70	A-58	
3	6-23-69	A-19	
4	5-23-69	A-17	

REVISIONS

REGISTERED ARCHITECT

APPROVED

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PIERS, UTILITIES, FOUNDATIONS

TITLE: 47TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	3-30-67
PROJECT NO.		SHEET	20
DRAWING NO.	A-A-78		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND DIMENSIONS OF COLUMNS SEE DRAWINGS A-A-1 TO A-A-6.
2. FOR COMPLETE 47 BOARD FLOOR PLAN SEE DRAWING A-A-78.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. M-A-2 AND A-A-3 SERIES.
6. ALL PLANTER HEADERS TO BE PLASTERBOARD AT MOULDING OF SLAB FOR, A WIDTH OF 4'-0" WITH A SPACER OF TYPE OF FILLER BOARD SEE ARCHITECTURAL SPECIFICATIONS FOR TYPES & MATERIAL DRAWINGS & CONSTRUCTION DETAILS SHOWING SIZE, LOCATION & EXTENT OF PLANTER HEADERS & FILLER BOARDS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE RELATED. PLASTER ENCLOSURE ON SOFFIT OR WALL.
8. PLENUM FURR DIMENSIONS SHOWN ARE MINIMUM. COMPLETE ONE REPRESENTATIVE AT EACH LAVATORY, ADJUST FURR TO SUIT CONDITIONS AS REQUIRED. LOCATIONS IN ACCORDANCE WITH THIS DRAWING, SEE TYPICAL TOILET ROOM DRAWINGS A-A-21 TO A-A-24.
9. DOUBLE 3/8 SUSPENDED CEILINGS, ALSO CEILING FURR, SHOWN AS IN CORRECTED FINAL APPROVED SETS, BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK, SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOORS TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: [illegible]
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 3/4" MINIMUM (3" ACTUAL) PROJECTION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 1/2" FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-3.106 TO A-A-3.116.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING	Bull.	
	1-30-70	A-87	EC
	F-28-69	A-2	EC
	9-15-69	A-81	RTH
	5-21-69	A-84	EC
	5-21-69	A-17	EC
	5-21-69	A-23	EC
6-18-71	A-106	8L	11-1-68	A-11	MM
8-15-70	A-78	LH	8-1-69	A-10	DC
1-30-70	A-81	LH	C-23-69	A-3	DC
1-30-70	A-83	LH	8-29-68	A-7	DC

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT MINORU YAMASAKI NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

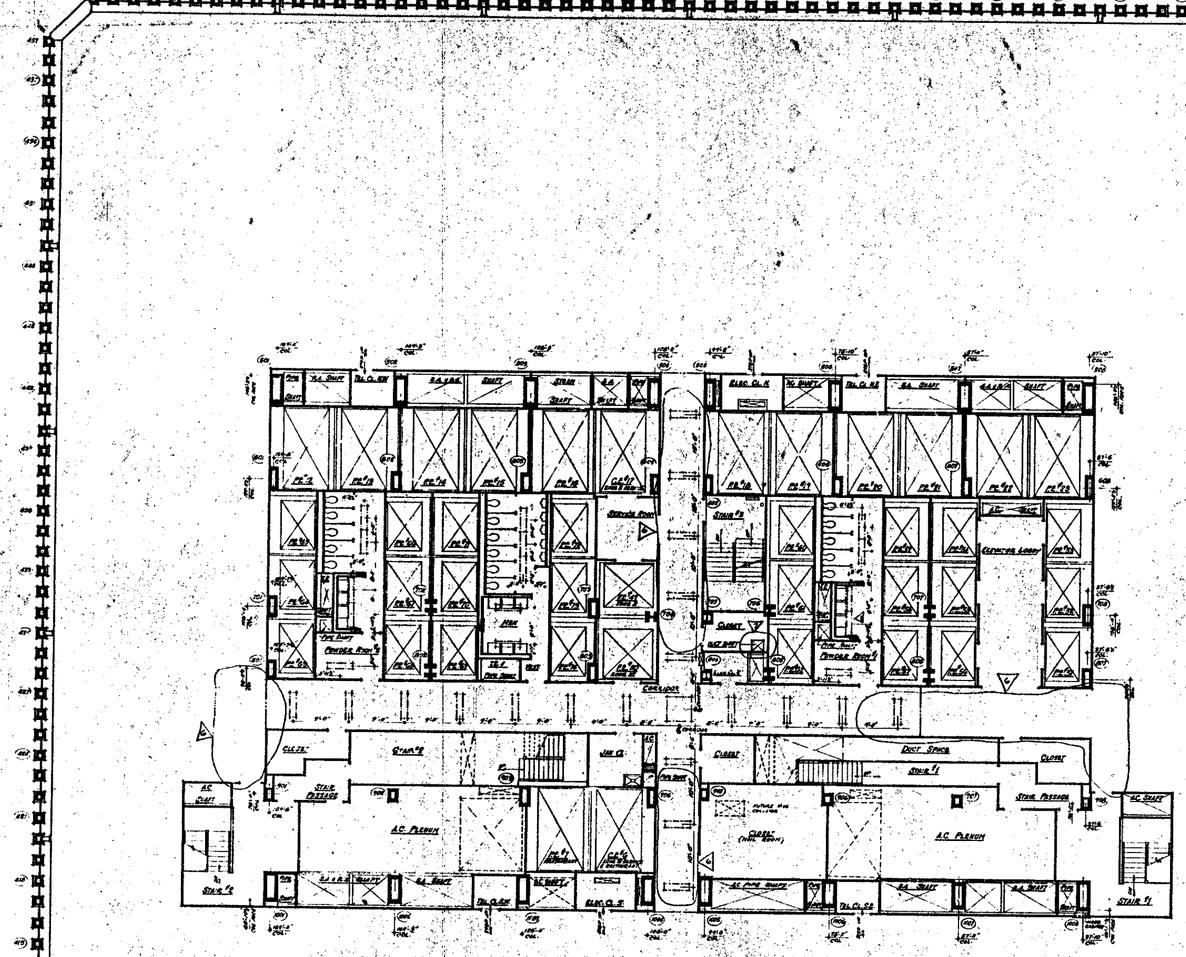
THE PORT OF NEW YORK AUTHORITY
PLANNING, UTILITIES, FOUNDATIONS

TITLE: 47TH FLOOR CORE PLAN

1/8" = 1'-0"

DRAWN: [illegible] | TOP JOISTS: 1/4" = 1'-0"
CHECKED: [illegible] | SLABS: 1/8" = 1'-0"
PROJECT MANAGER: [illegible] | SHEET: [illegible] OF [illegible]
DESIGNER: [illegible]

A-A-79



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND NUMBERING OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-6
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING A-A-81
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE SUBCONTRACT DRAWINGS
5. ALL TRENCH HEADERS TO BE PREPHOOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL CONTRACTOR AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND PREPHOOFING.
6. CORRIDOR AND TOILET LIGHTING AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
7. FINISH FLOOR ELEVATIONS AND TOPS OF SLAB DEPRESSIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO CEILING OR SOFFITS ARE CALLED FOR, SLAB SOFFIT IS CLOSETS, STAIR, TOILETS, ETC. LANDING ELEVATION OF +0'-0" IS ±1" AND DUCTWORK SHALL BE INSTALLED AT 8'-0" ABOVE FINISHED FLOOR TO MAINTAIN FIRE RATING. CEILING HEIGHT ELEVATION AND CLEARANCE OF FULL HEIGHT PARTITIONS
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING No.	1-1-68
	8-20-71	A-276 LJL
		A-280 LJL
	8-30-71	A-104 DBL
	11-8-71	A-98 LJL
	1-30-70	A-93 LJL
	1-28-69	A-91 RZ
	5-22-69	A-77 RZ

REVISIONS

REVISIONS

APPROVED: CHIEF, PLANNING DIVISION — DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PROJECT DIRECTION, FOUNDATIONS

TITLE: 48TH FLOOR PLAN

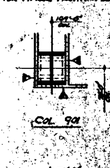
DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	
PROJECT DIRECTOR		PROJECT MANAGER	
DRAWING NUMBER	A-A-30		

1/8"=1'-0" SCALE

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND IDENTITIES OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.4.
2. FOR COMPLETE 1/8" SCALE, FLOOR PLAN SEE DRAWING A-2.1-80
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL DETAIL DETAILS SEE DWGS. A-A.0-206 AND A-A.0-205.
6. ALL TRENCH HEADERS TO BE RE-ENFORCED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A REINF. MESH TYPE OF REINFORCING SEE ON CONTR. TYPICAL SPECIFICATIONS FOR TYPE OF ELECTRICAL HEADERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & RE-ENFORCING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. SECOND DOOR DIMENSIONS IN ( ) ARE AND INDICATE TOILETS, DOOR DISPENSER AT EACH SANITARY, ACCESS DOORS TO SHAFT ENTRANCES, TO BE LOCATED IN FIELD AND APPROVED BY THE ARCHITECT, INSTALLED BY CONTRACTOR DRAWING A-A.0-206.
9. WHERE OR SUSPENDED CEILINGS ARE CALLED FOR, SHOP AS IN COVERS, DIFFUSERS ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR ACTUAL CEILING INSTALLATION AND CLEARANCE FOR SERVICING SYSTEMS.
11. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ———
12. CANTS ARE REQUIRED ON ALL BEAM PERIMETERS OVER 24" NOMINAL (24" ACTUAL) DIMENSION IN ELEVATION. CANTS ARE SHALL BE MINIMUM 12" FROM ANGLE TO FACE. SEE TYPICAL DETAILS.
12. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A0.206 TO A-A0.212



COLUMN DETAILS
SCALE 3/4"=1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date 5-1-68		
		1	1-20-70	A-81	L.A.
		2	1-30-70	A-82	L.A.
		3	2-27-70	A-83	L.A.
		4	5-29-69	A-0	R.C.
		5	5-29-69	A-31	R.C.
5	5-29-70	A-376	L.A.	5	5-25-69	A-16	R.C.
6	4-28-71	A-868	L.A.	6	5-27-69	A-17	R.C.
6	6-18-71	A-868	B.B.L.	7	5-27-69	A-23	R.C.
7	11-6-70	A-109	L.A.	8	6-4-69	A-40	D.G.
8	5-28-70	A-78	L.A.	9	10-16-68	A-6	D.G.
NO.	DATE	DESCRIPTION	BY	NO.	DATE	DESCRIPTION	BY

REVISIONS

REGISTERED ARCHITECT

APPROVED

CHIEF, PLANNING DIVISION

DATE

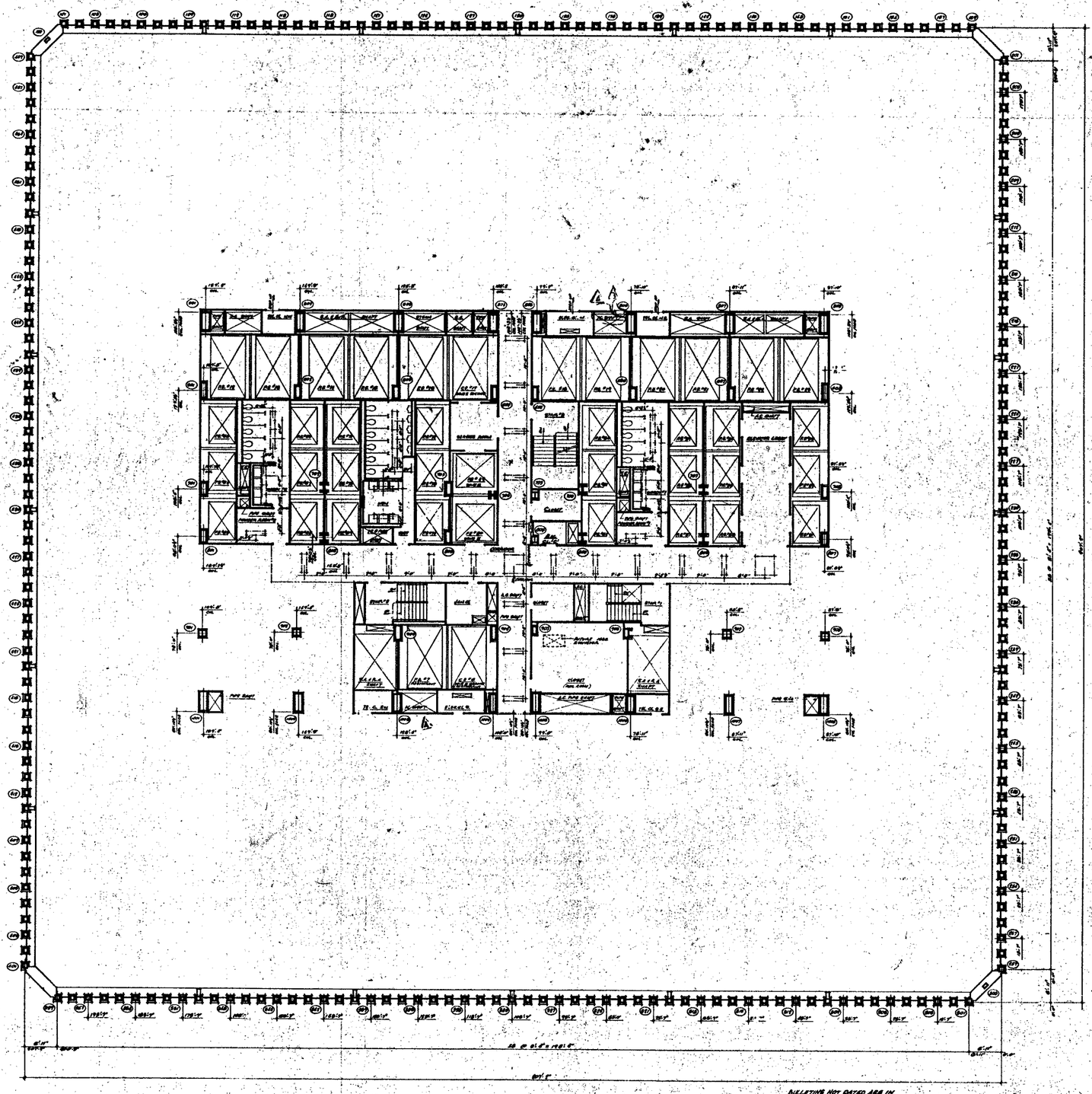
THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES & DRAINAGE

TITLE: 40TH FLOOR CORE PLAN

DRAWN	L.A.	CHECKED	
SCALE	1/8"=1'-0"	DATE	7-21-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A.81		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIAL & SYMBOLS ABBREVIATIONS, FLOOR DESIGNATION SYSTEM, DRAWINGS AND SCHEDULE OF DRAWINGS SEE DRAWINGS P-0.01 TO P-0.08
2. FOR CONCRETE PARTITIONS AND WALLS SEE CONC. WORK SPEC. 4 BOARD CORE DRAWING P-0.09
3. ALL ELEVATOR SHAFTS (TYP.) ARE TO BE RELEASED TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL EQUIPMENT SEE MECHANICAL DRAWINGS.
5. ALL TRENCHES REQUIRED TO BE PENETRATED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS DRAWINGS FOR LOCATIONS AND EXTENT OF TRENCH HEADER AND FIREPROOFING
6. CURTAIN AND TENANT PARTITION LAYOUTS AS SHOWN, FOR ALL OTHER PARTITIONS SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. PARTIAL PLANS, ELEVATIONS AND TYP. OF SLAB ELEVATOR AND DECK OPENINGS SHOWN ON SUBSEQUENT SHEETS OF SERIES
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FIRE & HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: [illegible]

BULLETINS NOT DATED ARE IN THE PROCESS OF CONSULTATION
CONTRACT NO. DRAWING SUB. P-0.49

NO.	DATE	SUBJECT	BY
1	6-18-71	A-66	GBL
2	6-18-71	A-65	GBL
3	7-30-70	A-99	LA
4	5-25-67	A-17	[illegible]

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

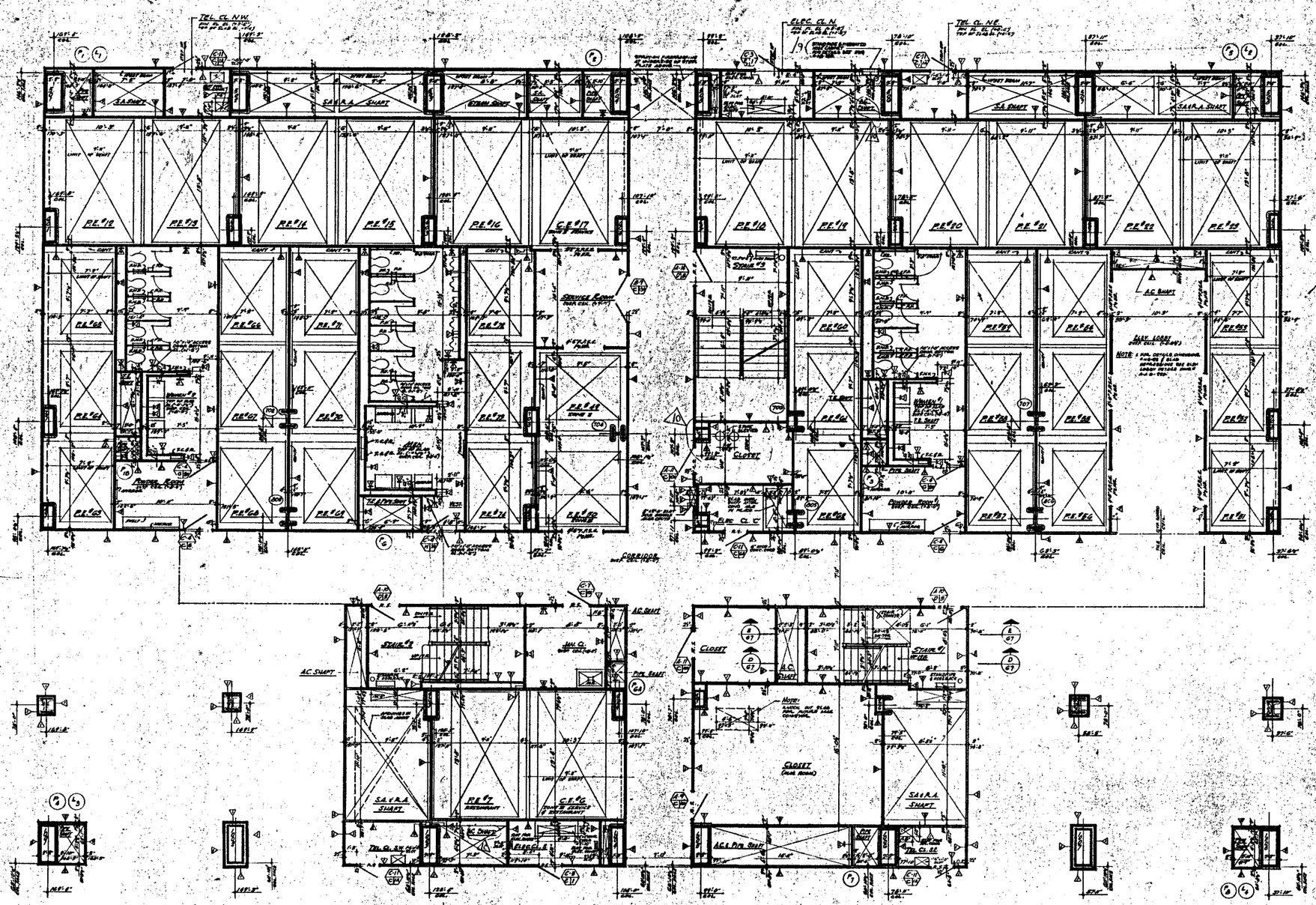
REGISTERED ARCHITECT

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — EMERY ROTH & SONS
MINORU YAMASAKI, ARCHITECT — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — JAROS, BAUM & BOLLES
STRUCTURAL ENGINEERS — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — THE PORT OF NEW YORK AUTHORITY
ELECTRICAL ENGINEERS — PAVING, UTILITIES, FOUNDATIONS

TITLE: 49TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/16"	DATE	7-31-67
PROJECT NUMBER		SHEET NO.	
DRAWING NUMBER			A-A-82



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWING SEE DRAWINGS A-1.01 TO A-1.06
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING A-A-85
3. ALL ELEVATIONS GIVEN THUS (101'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. P.A.A.-206 & A.A.B.-206
6. ALL TRENCH HEADERS TO BE PAINTED WITH ONE COAT OF WORK BLACK OF SLAB FOR A WIDTH OF 4'-0" WITH A GRAY-ON TYPE OF FIRE PROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE OF ELECTRICAL EMBEDMENTS & CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIRE PROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (101'-0") SHALL BE DIFFERENCE BETWEEN AS 10"-0"
8. PLUMBER SHALL DISPENSERS IN MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY ACCESS DOORS TO SOAP DISPENSER VALVES, TO BE LOCATED IN ACCORDANCE WITH THE DRAWING. SEE TYPICAL TOILET DETAILS DWG. A-A-86
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, EACH OF THE CLOSETS, STAIR, TOILETS ETC., BOTTOM ELEVATION OF ALL PIPING AND ELECTRICAL SHALL BE MAINTAINED AT 10'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOOR
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: - - - - - -
11. CANTS ARE MEASURED ON ALL SLOPING PLANES OVER 45° MINIMUM (5" ACTUAL) DIMENSION IN ELEVATION, QUARTS AND SHALL BE MINIMUM 75° FROM HORIZONTAL. SEE TYPICAL DETAILS
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-206 TO A-A-212.

NOTE: FOR DETAILS OF CHANNEL FRAME & SLAB DEPRESSIONS SEE SLAB LAYOUT DETAILS SHEET A-A-B-TYP.

BULLETINS NOT DATED ARE IN THE PROCESS OF CONSTRUCTION

NO.	DATE	BUL. NO.	BY
1	8-18-71	A-166	GBL
2	6-18-71	A-165	GBL
3	1-30-70	A-51	E.C.
4	1-30-70	A-49	L.K.
5	1-30-70	A-47	E.C.
6	5-15-69	5-31	Lum.
7	5-15-69	A-12	Lum.
8	5-15-69	A-17	Lum.
9	8-1-68	A-10	D.G.
10	11-27-68	A-2	D.G.

REVISIONS

REGISTERED ARCHITECT — STATE OF NEW YORK

APPROVED — CHIEF ENGINEER DESIGNS — DATE

THE WORLD TRADE CENTER

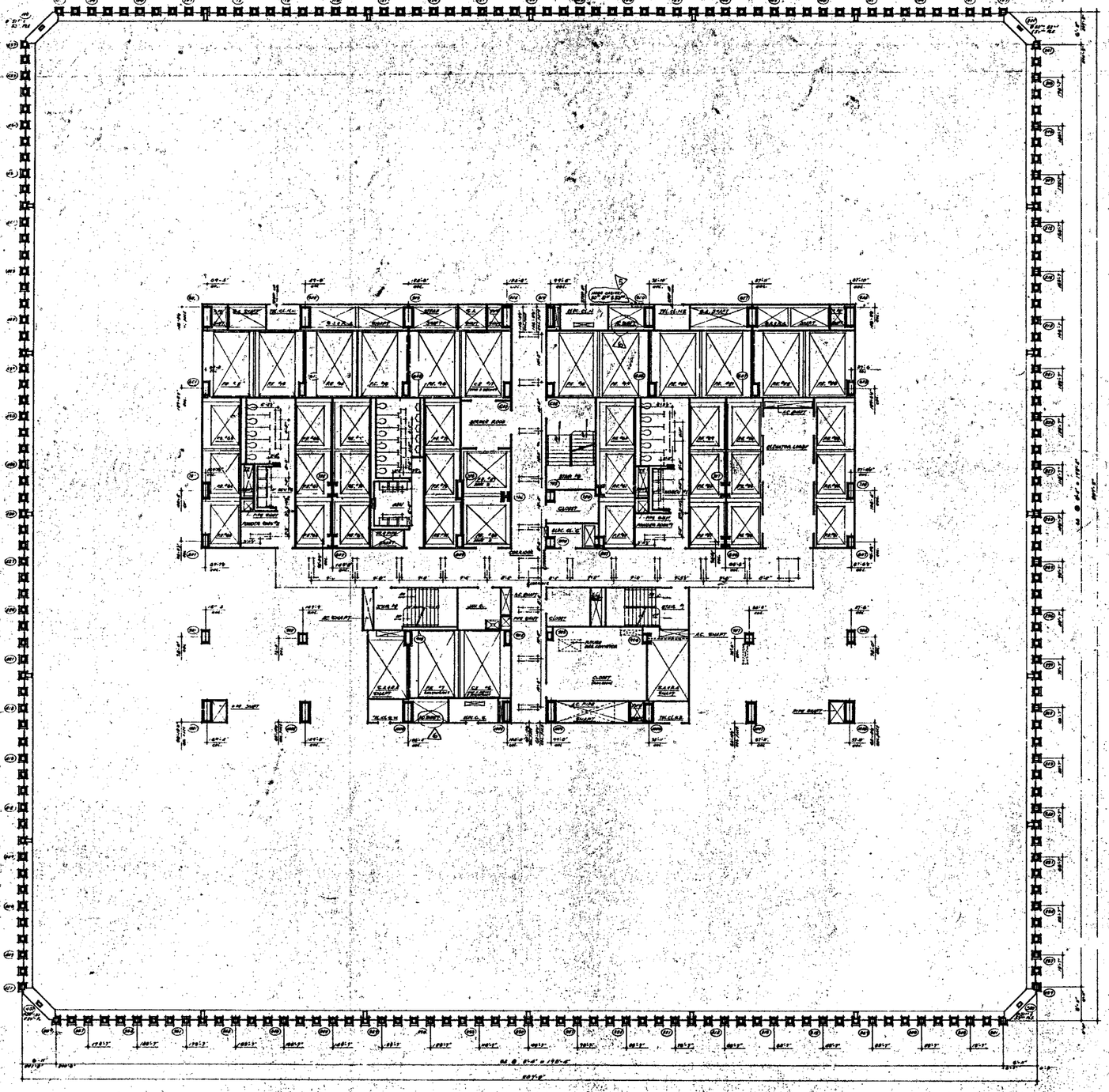
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 47TH FLOOR CORE PLAN

1/8" = 1'-0"

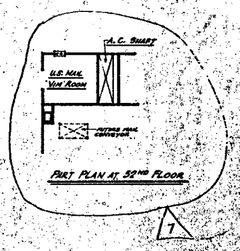
DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-30-69
PROJECT NUMBER		SHEET	OF
CONTRACT NUMBER		DRAWING NUMBER	A-A-83



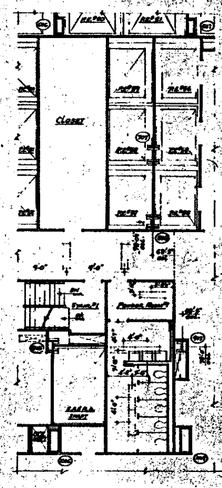
NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, PLANS, SCHEDULES, DOOR, WINDOW AND HARDWARE SCHEDULES SEE DRAWING # A-1-1, THRU A-1-5
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE "A" SERIES CORE DRAWINGS # A-2-82
3. ALL DIMENSIONS GIVEN THUS (+0'-0") ARE RELATIVE TO FINISH FLOORS.
4. FOR MECHANICAL AND ELECTRICAL CABINETS SEE STRUCTURAL DRAWINGS
5. ALL TOILET ROOMS TO BE WATERPROOFED AT UNDERSIDE OF SLAB FOR A HEIGHT OF 4'-0" WITH 3 COATS OF TYPE WATERPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER'S AND CONSULTANT'S APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF FINISH HEIGHT AND WATERPROOFING.
6. DIMENSION AND TOILET LIMITING AT SUMMATION ON ALL STAIR LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR, ELEVATION AND TOP OF MAIN SUPERVISING DECK (+0'-0") ACCESS THEREOF SHOWN AS NOTED
8. WORK TO BE APPROVED (REVISED AND CALLED FOR) SHOWN AS PLUMBING FIXTURES INCLUDING ETC. BOTTOM ELEVATION OF ALL PIPING AND CLOTHWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING
9. INSTALLATION AND CLEARANCE OF ALL MINIMUM FLOORS
10. EXTENT OF PUBLIC OCCUPANCY SHOWN IS INDICATIVE. TYPE _____



PART PLAN AT 52ND FLOOR



PART PLAN AT 54TH FLOOR

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING Date 6-1-68

NO.	DATE	DRAWING NO.	BY
1	6-18-71	A-1.76	C.J.L.
2	6-18-71	A-1.84	C.B.L.
3	6-18-71	A-1.85	C.B.L.
4	11-8-70	A-1.83	C.J.L.
5	9-30-70	A-1.82	C.J.L.
6	5-25-70	A-1.77	D.L.
7	2-1-68	A-1.7	D.L.B.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PIERS, UTILITIES, FOUNDATIONS

1/8"=1'0" 0 5 10 15 20 SCALE

TITLE: 50TH TO 54TH FLOOR PLAN

DRAWN | CHECKED | SCALE | DATE 7-30-71 | PROJECT NUMBER | SHEET | DRAWING NUMBER A-A-84

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULE AND SIGNAGE SEE DRAWINGS A2-001 TO A2-003.
2. FOR COMPLETE 3/8" SCALE FLOOR PLANS SEE DRAWINGS A2-101 TO A2-104.
3. ALL ELEVATIONS GIVEN HERE (C.H.=) ARE IN RELATION TO CHIEF FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LIGHTS SEE RESPECTIVE SPECIALTY DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG'S A2-05, A2-06 & A2-07.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AS UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPLICATION SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB REFERENCE ARE (C.H.=) UNLESS OTH. NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL NEW AND REMOD'D TOILETS. SOAP DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE CHECKLINE, SEE TYPICAL TOILET DETAILS DWG'S A2-08 ETC.
9. WHERE RE-SUSPENDED CEILINGS (AS SHOWN ON, ABOVE AS CLOSETS, STAIR ENCLOSURES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 10'-0" ABOVE FINISHED FLOOR, TO PERMIT PROPER ACCESS INSTALLATION AND REMOVAL OF FIRE & SMOKE DAMPERS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. DUCTS AND PIPES ARE ASSUMED TO BE ALL WITHIN FURRED SPACE OVER CORRIDORS (OTHERWISE) UNLESS OTHERWISE SHOWN. ALL DUCTS AND PIPES PASSING THROUGH FIRE WALLS SHALL BE SEALED WITH NON-COMBUSTIBLE MATERIAL. SEE TYPICAL DETAILS.
12. FOR DIMENSIONS ON FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-006 TO A-AB-008.

PART PLAN AT 52ND FLOOR

PART PLAN AT 54TH FLOOR

CONTRACT NO.	DRAWING	date 3-1-68
	1-30-70	A-61
	1-30-70	A-62
	1-30-70	A-63
11-12-74	5-23-69	A-51
6-25-71	5-23-69	A-55
9-18-71	5-23-69	A-59
6-28-71	5-23-69	A-63
8-28-71	8-1-68	A-67
6-1-72	8-1-68	A-70
11-6-70	4-19-68	A-4

REVISIONS

REVISIONS

APPROVED

CHIEF PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
CIVIL, UTILITIES, FOUNDATIONS

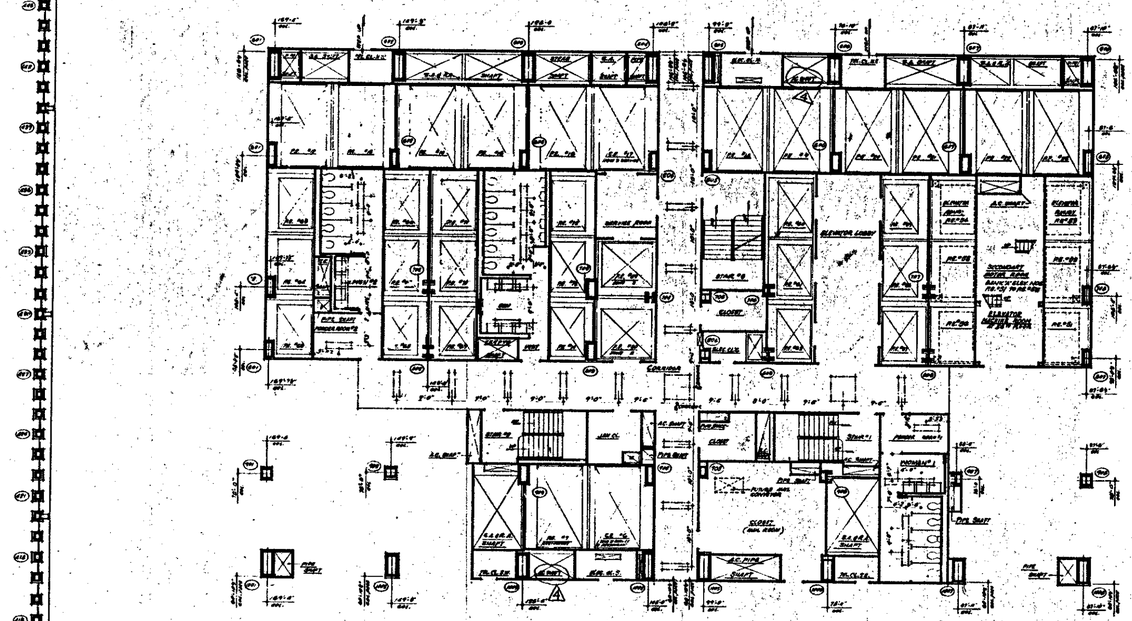
TITLE: 50TH TO 54TH FL. CORE PLAN

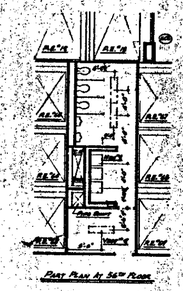
SCALE: 1/16"

DATE: 7-15-70

PROJECT NO.

DRAWING NUMBER: A-A-65





PART PLAN 54TH FLOOR

NORTH

Note

1. FOR GENERAL NOTES, SEE "TYPICAL FLOOR PLAN" DRAWING A-1.
2. FOR CONCRETE SUBWAYS AND VAULTS AT CURB, SEE DWG. A-1.
3. ALL ELEVATIONS GIVEN THUS +12.0 = 12.0 FEET ABOVE THE CURB.
4. FOR MECHANICAL AND ELECTRICAL SERVICES SEE APPROPRIATE DRAWINGS.
5. ALL TRENCH WORKING TO BE PERFORMED AT CHARGEOR OF BLDG. FOR A DEPTH OF 4'-0" BELOW A GRADE AS PER SPECIFICATIONS AND CONTRACT SPECIFICATIONS FOR TYPE AND MATERIAL PLACED AND COMPACTED. APPROVED SHOP DRAWINGS FOR LOCATION AND DETAILS OF TRENCH WORK AND PREPARATION.
6. CAULKING AND TOILET PARTITIONS CARRIED UP TO UNDERSIDE OF SLAB FOR ALL LIGHTING AND ELECTRICAL OUTLETS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (UNLESS OTHERWISE NOTED).
8. FINISH TO SUSPENDED CEILINGS ARE 1'-0" BELOW FLOOR FINISH IN CLOSET, STAIR, PASSAGE ETC. BOTTOM ELEVATION OF SLAB.
9. ALL PIPING AND DUCTWORK SHALL BE SUSPENDED 2'-0" CLEAR FROM UNDERSIDE OF SLAB ABOVE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING AS INDICATED THUS _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING Date 12-1-68

NO.	DATE	SUBJ. NO.	BY
A	6-19-70	A-84	G.L.
A	11-6-70	A-98	L.L.
A	1-30-70	A-69	E.C.
A	5-25-69	A-17	[illegible]

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI / ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — RAVING, UTILITIES, FOUNDATIONS

1/16" = 1'-0"

55TH & 56TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/16" = 1'-0"	DATE	12-1-68
PROJECT NUMBER		SHEET NO.	
DRAWING NO.			A-A-86

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.5.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWINGS A-1.4-2.6.
3. ALL ELEVATIONS GIVEN THUS (70'-0") ARE IN RELATION TO FINISH FLOORS.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. #1.A0-2.04 & A1.A0-2.08.
6. ALL TRENCH HEADERS TO BE FILLED-IN AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A CAPACITY OF FILLED-IN AREA SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEER & CONTRACTORS APPROVED SHOP DRGS. FOR LOCATION & EXTENT OF TRENCH HEADER & FILLED-IN.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (70'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. FLOOR MOUNTED DISPENSERS IN MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY: ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE BREAKING SEE TYPICAL TOILET DETAILS DWG. #A1.A0-2.10
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, VESTIBULES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO ALLOW FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING AS INDICATED THUS: _____
11. EXPOSED & CONCEALED AREAS REQUIRED ON ALL SEMI-MASONRY WORK, OF MINERAL (FIBROUS) SUBSTANCE IN ACCORDANCE WITH SPECIFICATIONS SHALL BE APPLIED BY THE SPRAY METHOD. SEE TYPICAL DETAILS.
12. FOR DIMENSIONS OF FIRE STAIRWAYS, CORRIDORS, CEILINGS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-0.2-2.04, TO A-0.2-2.10.

BULKHEAD NOT DETAILED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date 8-3-66	
		1	1-30-70	A-1.1
		2	1-30-70	A-1.2
		3	1-30-70	A-1.3
		4	5-25-67	A-1.4
		5	5-25-67	A-1.5
		6	5-25-67	A-1.6
		7	5-25-67	A-1.7
		8	11-1-68	A-1.8
8-2-67	A-1.64	9	1-1-68	A-1.9
8-2-67	A-1.7	10	1-24-68	A-1.10

NO. DATE SUB. NO. BY — REVISIONS

NO. DATE SUB. NO. BY — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — SOIL MECHANICS & FOUNDATIONS

THE PORT OF NEW YORK AUTHORITY — CIVIL, UTILITIES, FOUNDATIONS

TITLE: 55TH FLOOR CORE PLAN

1/8" = 1'-0"

DRAWN | CHK'D BY | DATE

SCALE: 1/8" = 1'-0" | JOB NO. | DRAWING NO. A-1.87

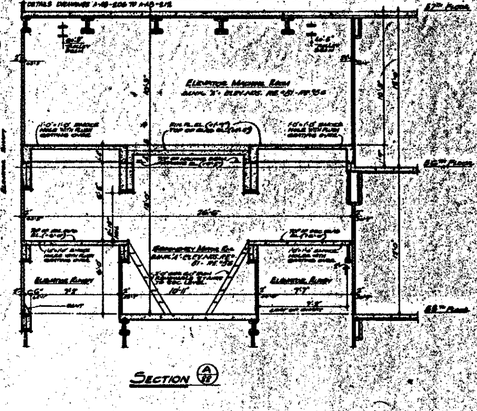
PROJECT NUMBER

DRAWING NUMBER

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF PARTITIONS SEE DRAWINGS A-0.1 TO A-0.6
2. FOR COMPLETE ½" SCALE FLOOR PLAN SEE DRAWING A-1.A-86
3. ALL ELEVATIONS GIVEN THUS (101'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS, SEE EXECUTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A-4.A-0-204 & A-4.A-0-205
6. ALL TRENCH HEADERS TO BE FIRE-PROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATION FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (98'-0") UNLESS OTHERWISE SHOWN OR NOTED
8. PLACE TOILET DISPENSERS AT MEN AND WOMENS' TOILETS. ONE DISPENSER AT EACH LAVATORY ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH THE COUNTING SEE TYPICAL TOILET DETAILS DWG. A-A8-214.
9. PROVIDE NO RECESSED CABINET AND CLOSET FOR, SUCH AS IN-CLOSETS, STAIR, ELEVATOR ETC.; BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK, SHALL BE MAINTAINED AT 8'-3" ABOVE FINISHED FLOOR, TO PROVIDE FOR POSSIBLE CEILING INSTALLATION AND CLEARANCE OF ALL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS: ———
11. GRAVITE ABC. ASPHALTED ON ALL SLABS PROJECTING OVER 36" MINIMUM (4" ASPHALT) DIMENSION FROM ELEVATION, EDGES AND SHALL BE MINIMUM 36" FLAT AND HORIZONTAL. SEE TYPICAL DETAILS
12. FOR FIREPROOFING OF FIRE RESISTING COLUMNS AND TYPICAL PARTITION DETAILS SEE TYPICAL DETAILS DRAWINGS A-4.B-206 TO A-4.B-216



BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

	CONTRACT	BID	DRAWING	date 4-4-68	
			1-24-70	A-88	LJ
			1-30-70	A-87	LJ
			5-25-69	A-34	DL
			5-25-69	A-36	DL
			5-25-69	A-17	DL
			5-25-69	A-25	DL
6-8-71	A-84	DBL	11-1-68	A-15	MR
11-6-70	A-24	LJ	8-4-69	A-10	DBL
2-3-71	A-78	MJ	5-27-68	A-5	DG
10-30-70	A-81	EZ	5-15-68		WL

NO.	DATE	REVISIONS	BY
NO.	DATE	REVISIONS	BY

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT RICHARD ROTH IN THE STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, SEWERS/FOUNDATIONS

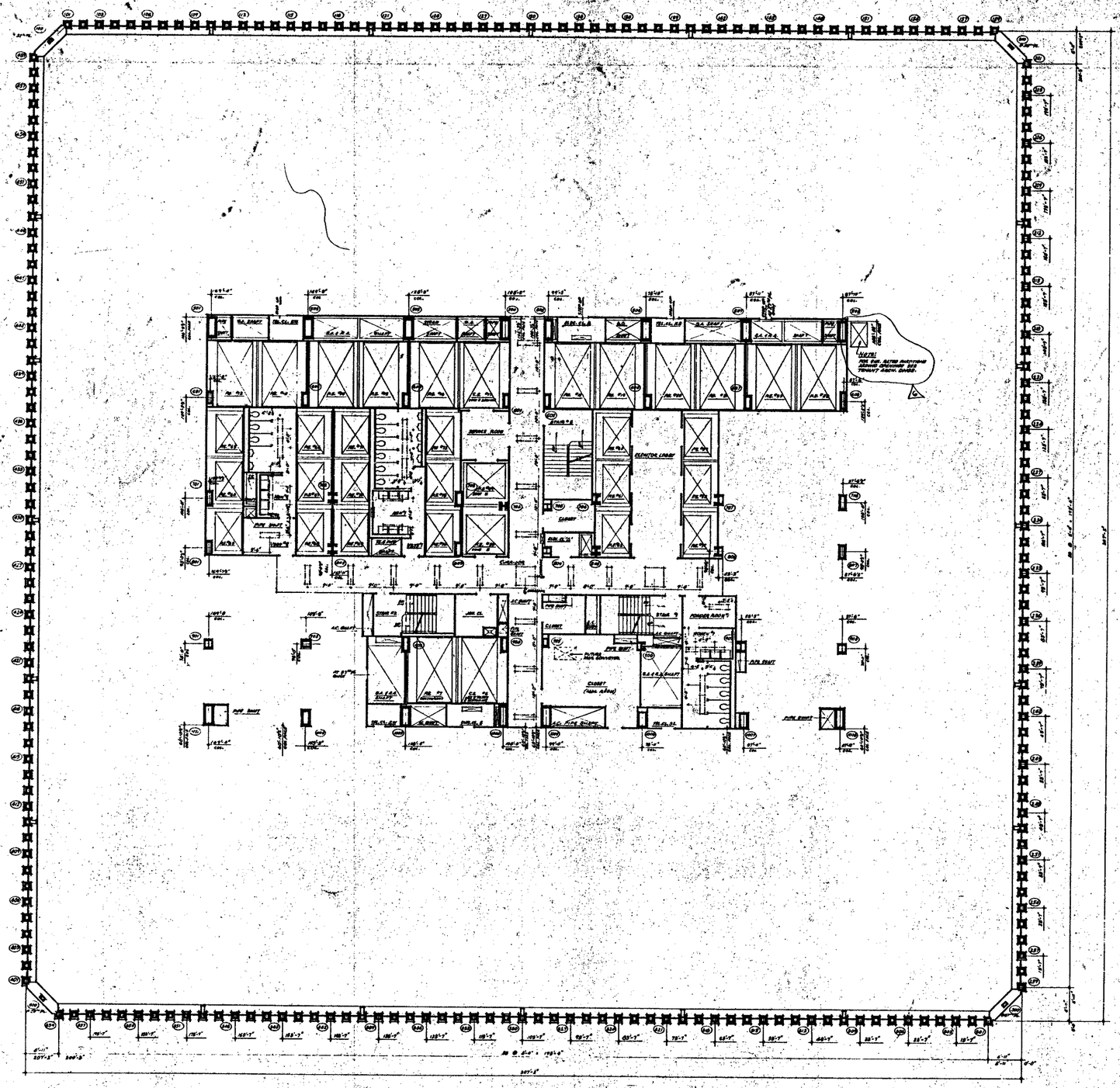
TITLE: 56TH FLOOR CORE PLAN

DRAWN | CHECKED

SCALE: 1/16"=1'-0" | DATE: 7-8-67

PROJECT NUMBER | SHEET NO.

DRAWING NUMBER: A-A 88



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DIAGRAMS SEE DRAWINGS A-1.01 TO A-1.05.
2. FOR COMPLETE DIMENSIONS AND NOTES IN THIS AREA, SEE 1/8" SCALE CORE DRAWING A-2.10.
3. ALL ELEVATIONS SHOWN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL EQUIPMENT AND REMOTELY CONTROLLED DEVICES SEE MECHANICAL SPECIFICATIONS AND ELECTRICAL SPECIFICATIONS AND CONTRACTOR'S APPROVED SHOP DRAWINGS FOR LOCATION AND DETAILS OF TRENCH HEATER, ALL EQUIPMENT.
5. CONDUCTOR AND TOILET ACCESSORY LAYOUTS AS SHOWN FOR ALL STATE LEASING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
6. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
7. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, C.I.S. AS IN CLOSETS, STAIR LANDINGS ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED 4'-0" ABOVE FINISHED FLOOR, TO PERMIT FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE RECORDS AT COMPLETION

CONTRACT AND DRAWING Nos. 5-2-16

1	4-24-71	A-17 L.L.
2	6-8-71	A-AA88 L.L.
3	11-4-70	A-106 L.L.
4	1-30-70	A-63 E.F.
5	5-25-69	A-17 L.L.
6	5-16-69	L.L.

REVISIONS

REGISTERED ARCHITECT

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES SANITARY ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

57th & 58th Floor Plan

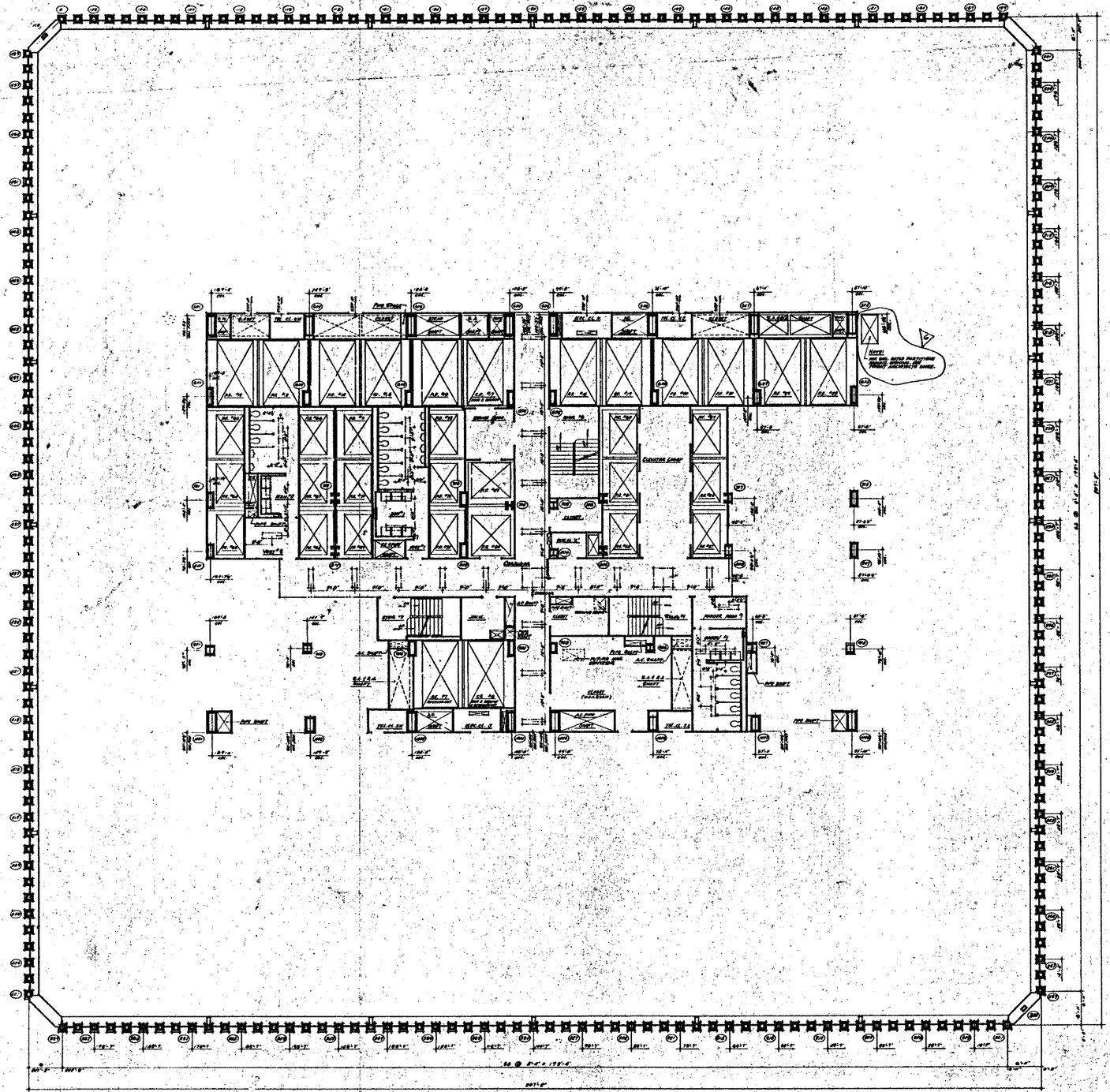
1/8" = 1'-0"

A-A-89

NORTH

Notes

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF PARTITIONS SEE DRAWINGS A-A-1 TO A-A-6.
2. FOR COMPLETE 'G' MODULE FLOOR PLAN SEE DRAWING A-A-89.
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL FLOOR DETAILS SEE DWG. A-A-A-



North

Notes

1. FOR SYMBOL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS, SEE DRAWINGS A-0.1 TO A-0.5.
2. FOR COMPLETE DIMENSIONS AND NOTES SEE CORE AREA REF. & SHELF AREA DRAWING A-0.10
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE + OR - RELATIVE TO FINISH FLOOR.
4. FOR MECHANICAL AND SERVICING LAYOUTS SEE RESPECTIVE DRAWINGS BEARING
5. ALL TRENCH HEADERS TO BE PROVIDED 2" UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A STRAIGHT RUN TYPE PARTITIONING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND PARTITIONING
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL ENGINEER AND ARCHITECTURAL DETAILS
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, JOHN PHILLIPS ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 9'-0" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR, CEILING AS INDICATED THUS: _____

BULLETIN NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING dwg. 6-7-66

NO.	DATE	DWG. NO.	BY
REVISIONS			
6-24-71	A-177	L.J.
5-19-71	A-84	DBL
11-6-70	A-98	L.J.
1-30-70	A-63	E.C.
5-22-69	A-17	W.L.
5-15-68		L.W.L.

NO.	DATE	DWG. NO.	BY
REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

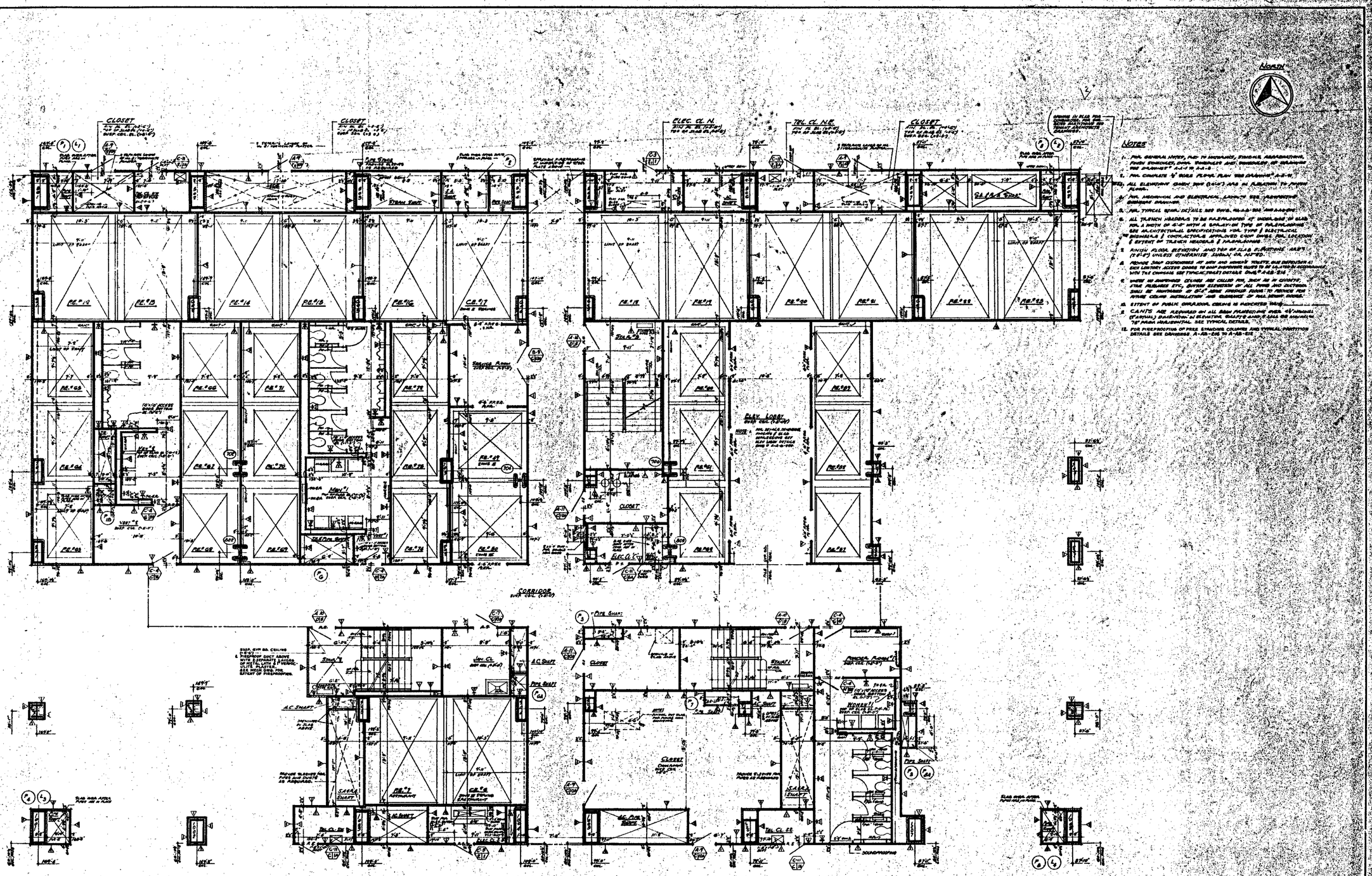
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 59TH FLOOR PLAN

ENGINEER		DRAWN	
SCALE	1/16"=1'-0"	DATE	1-31-67
CHECKED BY		CHECKED	
CHECKED BY		QUANTITY	

A·A·91



BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING date 5-1-68		
—		11-8-70	A-105	L.L.
		6-9-70	A-98	A.M.
		3-26-70	A-87	E.C.
		1-30-70	A-83	L.L.
		9-3-69	A-67	E.C.
		5-12-69	A-31	M.S.
		2-12-69	A-15	M.S.
		9-13-68	A-17	M.S.
		8-1-68	A-10	D.S.
		3-18-68		J.V.L.

REVISIONS			REVISIONS		
NO.	DATE	DWG. NO. BY	NO.	DATE	DWG. NO. BY
6-16-71	A-177	L.L.			
6-8-71	A-106	D.S.L.			

REGISTERED ARCHITECT — STATE OF NEW YORK

APPROVED
DIRECTOR, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

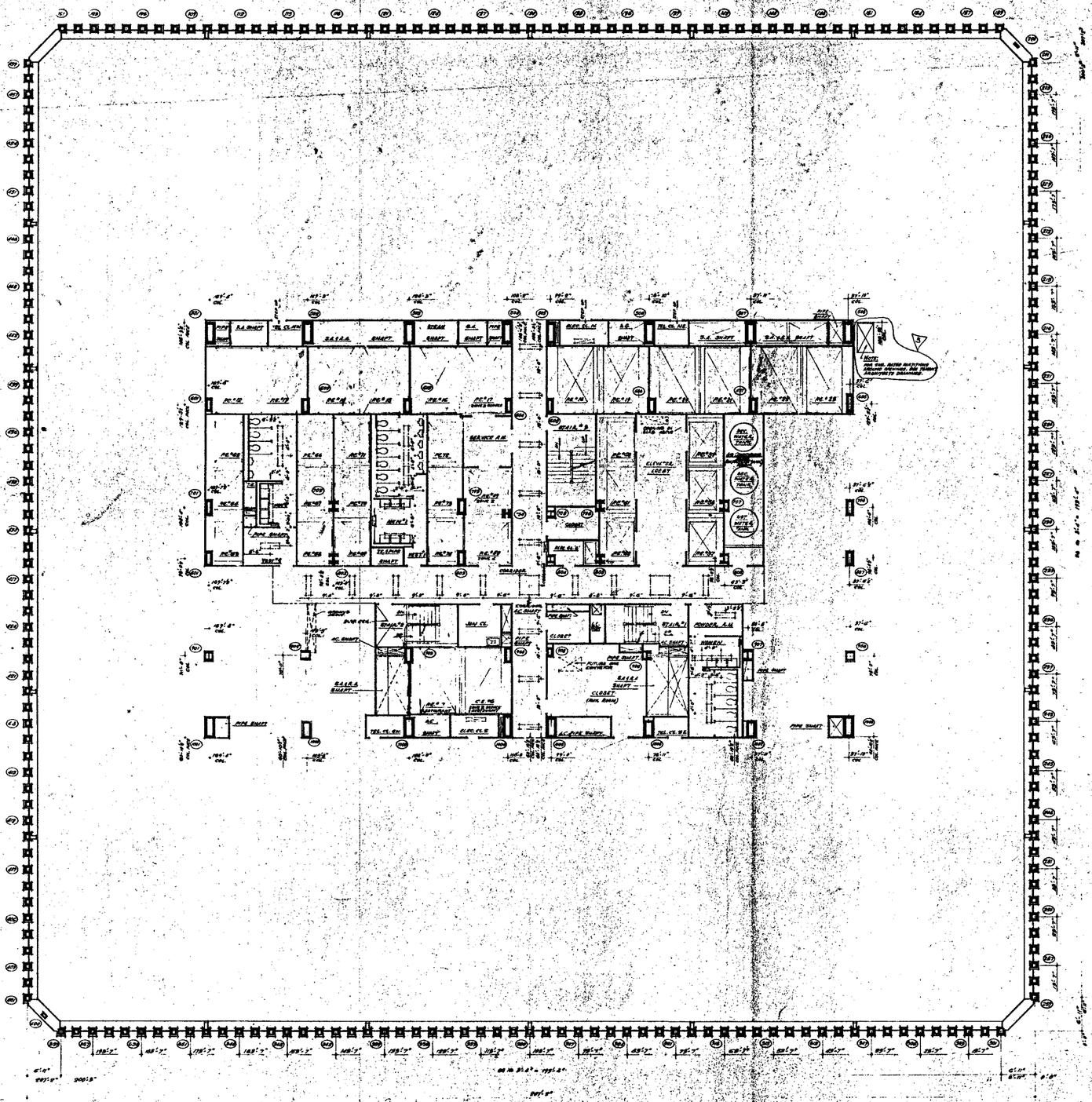
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL/ELECTRICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 59TH FLOOR CORE PLAN

SCALE	1/16" = 1'-0"	CONTRACT	
DRAWN		CHECKED	
TRACED		SHEET	92
RECORDED			

A-A-92



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLIC ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULES AND SYMBOLISM OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-16
2. FOR CORNER ENLARGEMENTS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING A-A-98
3. ALL ELEVATIONS GIVEN THUS 100.47 ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. ALL TELEPHONE RELAY RACKS PREFABRICATED UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY ON TYPE INSULATION SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND PARTITIONS
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN HERE ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS AS REQUIRED
7. FINISH FLOOR ELEVATION AND TYPE OF CORE CONSTRUCTION SEE (SHAFT) PLANS SYMBOLS AS SHOWN OR NOTED
8. LINES TO BUILDING GRIDLINES ARE CALLED FOR EACH IS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 6'-4" ABOVE F.F. LOWER FLOOR, TO PROVIDE FOR FUTURE
9. CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETIN'S NOTE DATED ARE IN THE PROGRESS OF CONSTRUCTION

CONTRACT NO. DRAWING DATE 5-2-69

NO.	DATE	BUL. NO.	BY
3	6-24-71	A-117	L.L.
2	6-8-71	A-104	GBL
1	11-6-70	A-115	L.L.
0	1-30-70	A-69	T.H.
0	5.25.69	A-17	D.L.

REVISIONS

REGISTERED ARCHITECT — NEW YORK STATE

APPROVED _____ CHIEF, PLANNING DIVISION DATE _____

THE WORLD TRADE CENTER

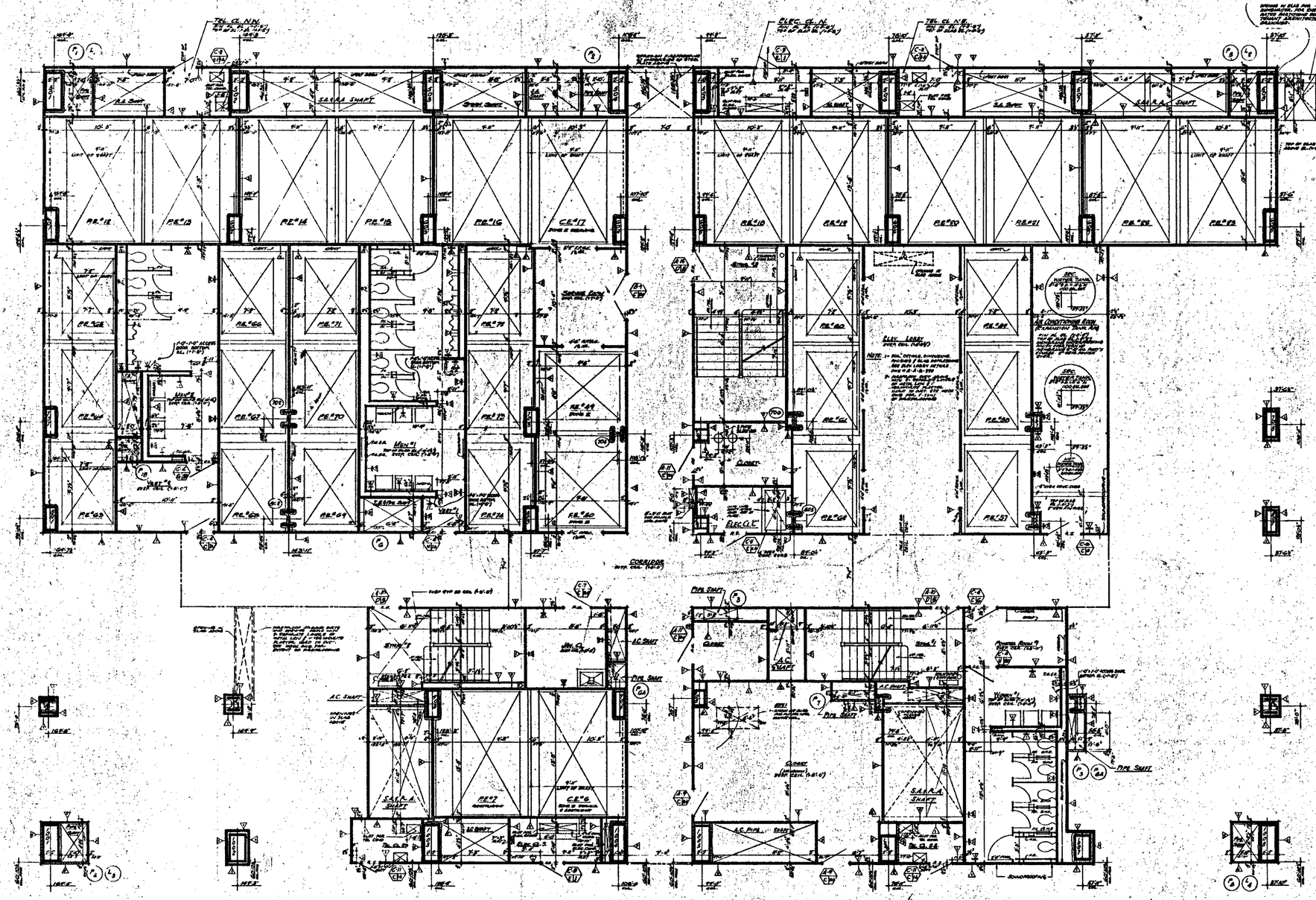
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, STRUCTURE, FOUNDATIONS

0 5 10 15 20 FEET

TITLE: 60TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	12-15-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER		A-A-93	



BUILDING AND CONTRACTS NOW IN THE PROCESS OF CONSTRUCTION

CONTRACT	NO	DRAWING	date 6-1-64
		8-15-70	A-7.8
		1-30-70	A-1.8
		1-30-70	A-2.8
		1-30-70	A-1.0
		5.23.69	A-1.1
		5.23.69	A-1.6
S-36.1	A-177	5.23.69	A-1.7
6-8.9	A-1.2.4	5.15.69	A-2.5
4-1.71	A-1.2.5	8-11-65	A-1.10
15-5.10	A-1.2.6	6-22-66	A-2

NO.	DATE	SCL. NO.	BY
		REVISIONS	

NO.	DATE	SCL. NO.	BY
		REVISIONS	

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT

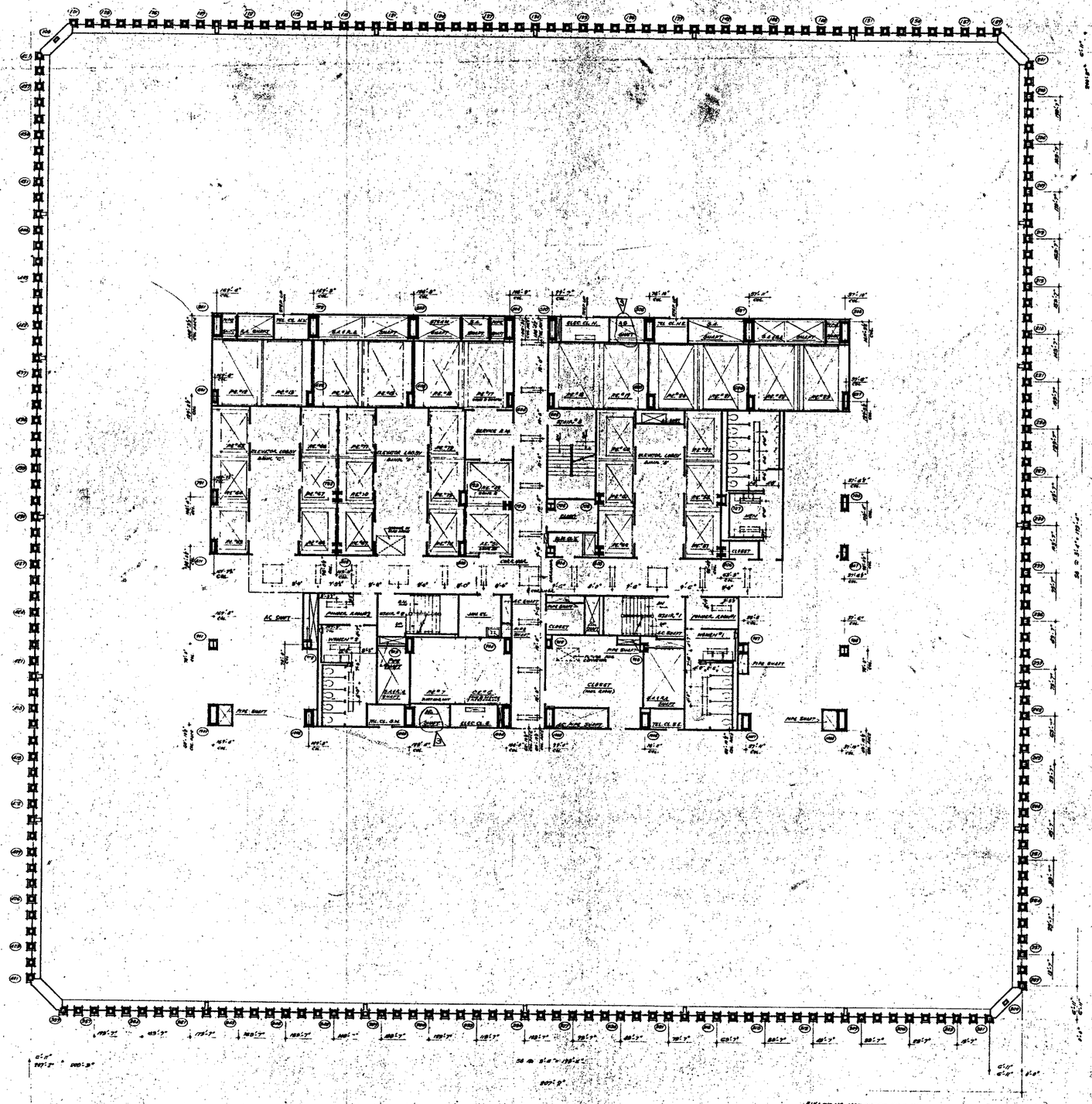
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/4"-1'0"

TITLE: 60TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/4"=1'0"	DATE	5-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER		A-A-94	



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SPECIALTIES OF A GENERAL NATURE SEE DRAWINGS A-1.01 TO A-1.07.
2. FOR CORNER'S DIMENSIONS AND OTHER MORE MAJOR SEE 1/8" SCALE CORE DRAWING A-2.1-95.
3. ALL DIMENSIONS GIVEN, THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL EQUIPMENT SEE ARCHITECTURAL ENGINEERS' DRAWINGS.
5. ALL FLOORS RECESSED FOR MATERIALS IN UNDERSIDE OF SLAB FOR A DEPTH OF 4½" UNLESS OTHERWISE INDICATED. SEE SPECIFICATIONS FOR TYPE AND THICKNESS OF MATERIALS. ALL ELECTRICAL EQUIPMENT AND CONDUIT WILL BE ARRANGED SUCH DRAWINGS FOR LIGHTING AND LOCATION OF OUTLETS, SWITCHES, ETC. IN PARTITIONS.
6. CORE, AREA AND PARTY WALL LAYOUTS AS SHOWN FOR ALL FLOOR LAYOUTS SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATIONS ARE TWO SIX INCHES ELEVATIONS AS SEE (TYP.) UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, TOILET ROOMS, ETC. BOTTOM ELEVATION OF ALL BEAMS AND CONSTRUCTION SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF 7'0" AT 3'0" DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF CANCELLATION

CONTRACT NO. DRAWING ADD. 1-1-66

NO.	DATE	DWG. NO.	BY
1	6-8-6	A-164	SBL
2	1-30-70	A-98	AS
3	5-19-69	A-17	PG

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

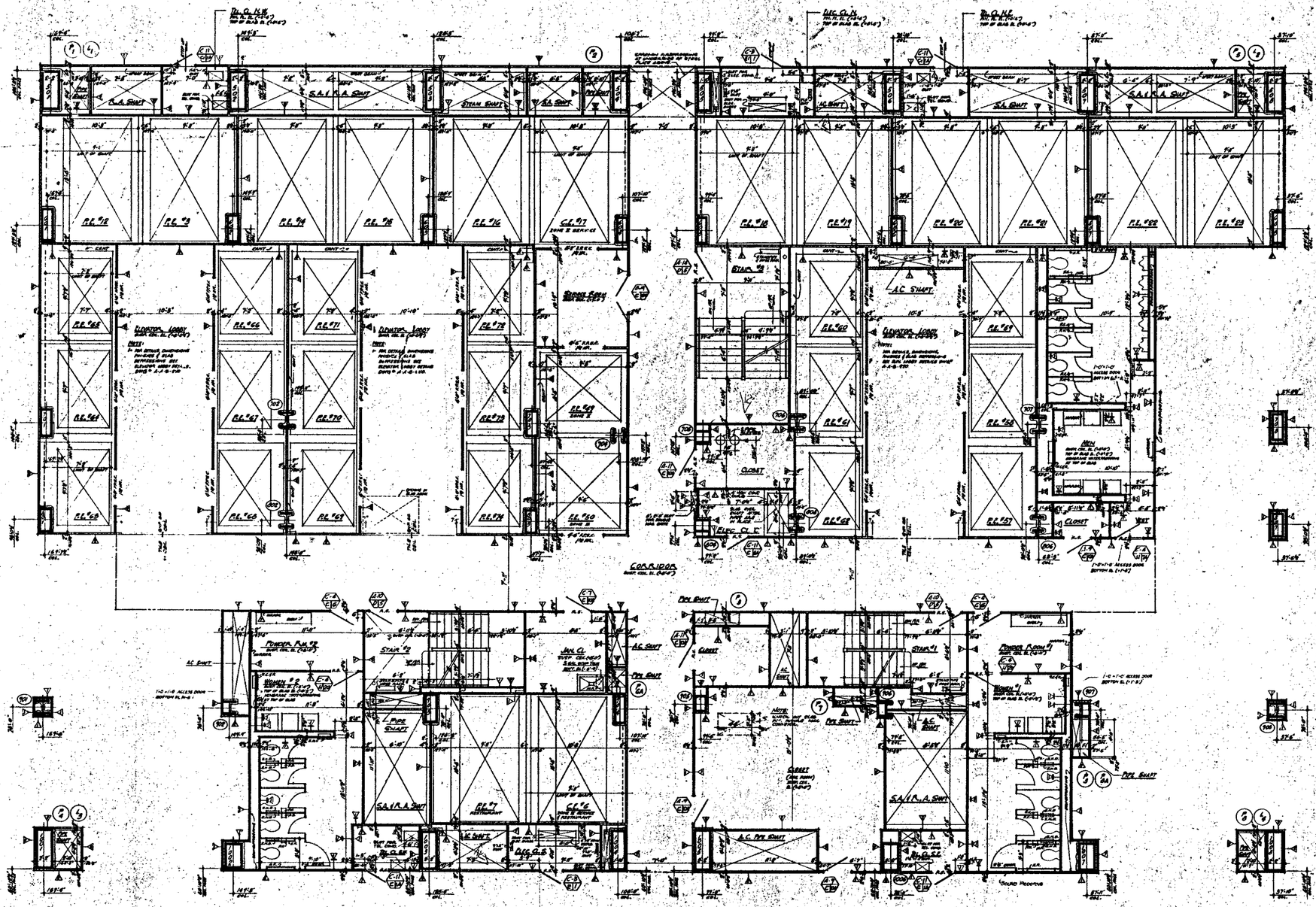
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PIERING, STABILIZED FOUNDATIONS

61st FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8" = 1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET NO.	
DRAWING NUMBER			A-A-95



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-1 TO A-4.0
2. FOR COMPLETE ¼" SCALE FLOOR PLAN SEE DRAWING # A-1-96
3. ALL ELEVATIONS GIVEN THUS (0.0'0") ARE IN RELATION TO MAIN FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG # A-4.0-304 & A-4.0-306
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 8'0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATION FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (0.0'0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PALADIN SOAP DISPENSERS AT ALL MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS DWG. # A-4.0-304.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIRS, PASSAGES, ETC., BOTTOM ELEVATION OF ALL BEAMS AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR. TO FINISH FOR, PITCH & CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. C.J.'S ARE ALIGNED ON ALL BEAM PROJECTIONS OVER 6'0" NOMINAL (5'8" ACTUAL) DIMENSION IN ELEVATION, SHAFTS AND WALLS BE MAXIMUM 30'0" FROM HORIZONTAL SEE TYPICAL DETAILS
12. FOR FIREPROOFING OF ALL FIRE STOPPING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-4.0-306 TO A-4.0-316

BULLETINS NOT LISTED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING DATE 6-9-66		
	5-6-70	A-78	A.H.
	1-30-70	A-81	A.S.
	1-30-70	A-83	L.V.
	1-30-70	A-87	E.C.
	6-20-68	A-51	D.G.
	6-20-68	A-80	D.G.
	6-20-68	A-17	D.G.
	6-20-68	A-93	D.G.
A-6-9	A-164	6-1-70	A-10	D.G.
A-1-9	A-125	4-22-66	A-2	D.G.

NO. DATE SUB. NO. BY — REVISIONS

NO. DATE SUB. NO. BY — REVISIONS

APPROVED _____ CHIEF, PLANNING DIVISION DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

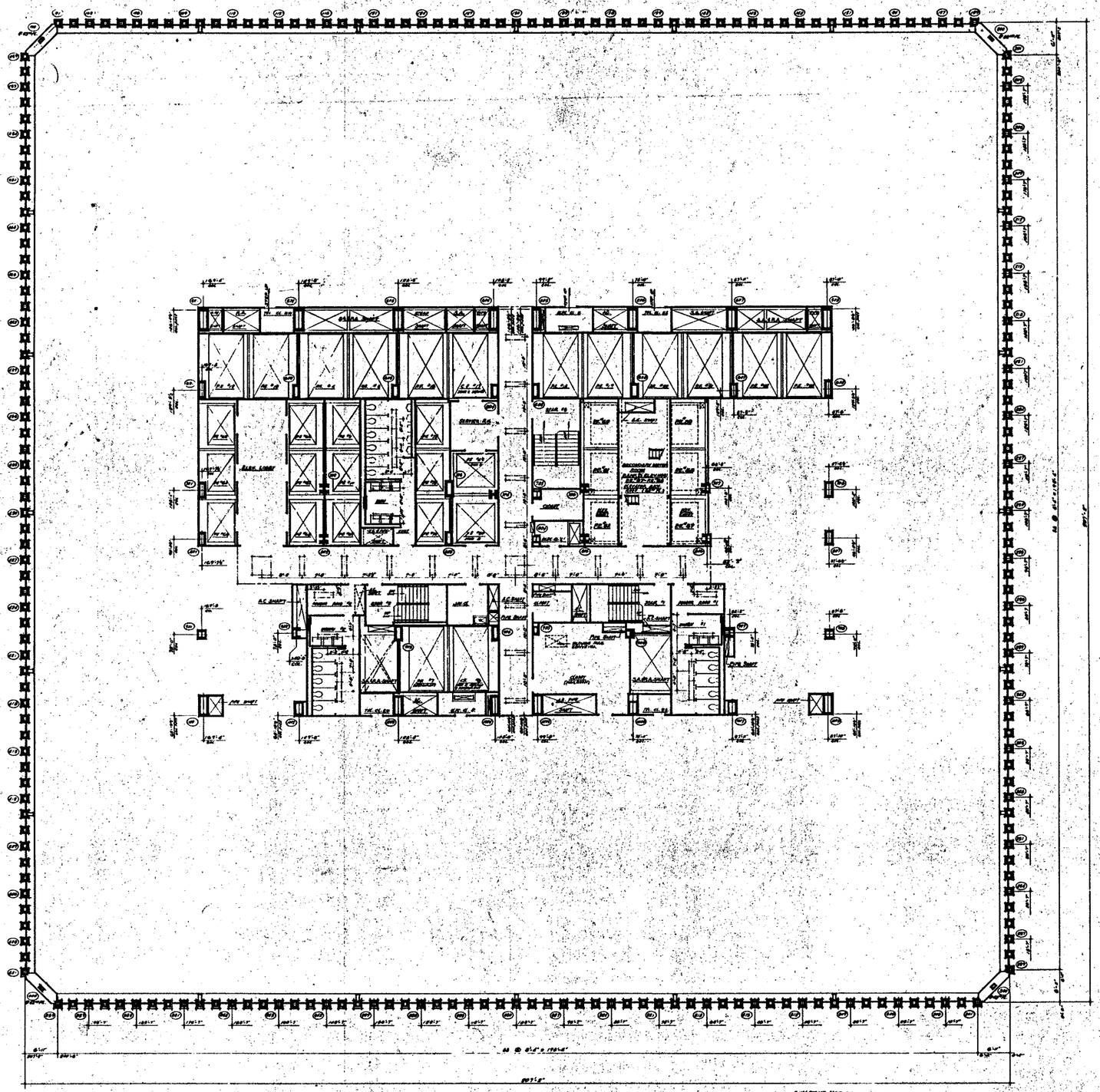
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — SANITARY ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

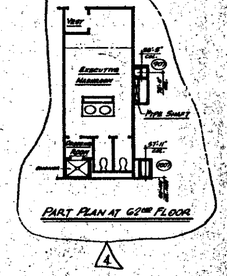
TITLE: 61ST FLOOR CORE PLAN

SCALE: 1/16" = 1'-0" — DATE: 1-30-70 — DRAWING NO. A-A-96



NOTES

1. FOR SHEAR WALL KEYS, ETC. IN MATERIALS, SHEARS, ABBREVIATIONS, FLOOR ANCHORS, ETC., SYMBOLS AND SIGNIFICANCE OF NUMBERS SEE DRAWINGS S-2.1 TO S-2.3
2. FOR CONCRETE STRENGTHS AND GRADES OF STEEL SEE DRAWINGS S-2.1 TO S-2.3
3. ALL ELEVATIONS SHOWN ARE TO BE CONSIDERED AS FINISH FLOOR.
4. FOR HEIGHTS, ALL VERTICAL DIMENSIONS ARE APPROXIMATE.
5. ALL TRADES WORKING IN OR ADJACENT TO ELEVATOR OR SHAFTWAY A MINIMUM OF 24 HOURS BEFORE THEIR WORK IS TO BE STARTED SHALL EXAMINE THE SHAFTWAY AND ALL RELATED WORK AND VERIFY THE TYPE AND ELECTRICAL CHARACTERISTICS OF EQUIPMENT AND FIXTURES TO BE INSTALLED AND ALL CONDITIONS AFFECTING THEIR PROPER AND SATISFACTORY INSTALLATION AND OPERATION.
6. CAR & SHAFT WALLS TO BE FIRE RATED AS FOLLOWS: SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL CHARACTERISTICS OF EQUIPMENT AND FIXTURES TO BE INSTALLED AND ALL CONDITIONS AFFECTING THEIR PROPER AND SATISFACTORY INSTALLATION AND OPERATION.
7. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE EXACTLY AS SHOWN ON ARCHITECTURAL DRAWINGS.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, MALE AND ETC., SECTION ELEVATION OF ALL FLOORS AND CONSTRUCTION SHALL BE MAINTAINED AT 8'-0" BELOW FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOOR.
9. EXTENT OF PUBLIC CORRIDOR CEILING AS INDICATED THUS: _____



PART PLAN AT 62ND FLOOR

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING DATE 8-1-66

NO.	DATE	BUL. NO.	BY
1	8-24-71	A-178	L.G.
2	6-8-72	A-184	G.B.L.
3	1-20-70	A-158	A.P.
4	5-21-69	A-17	

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

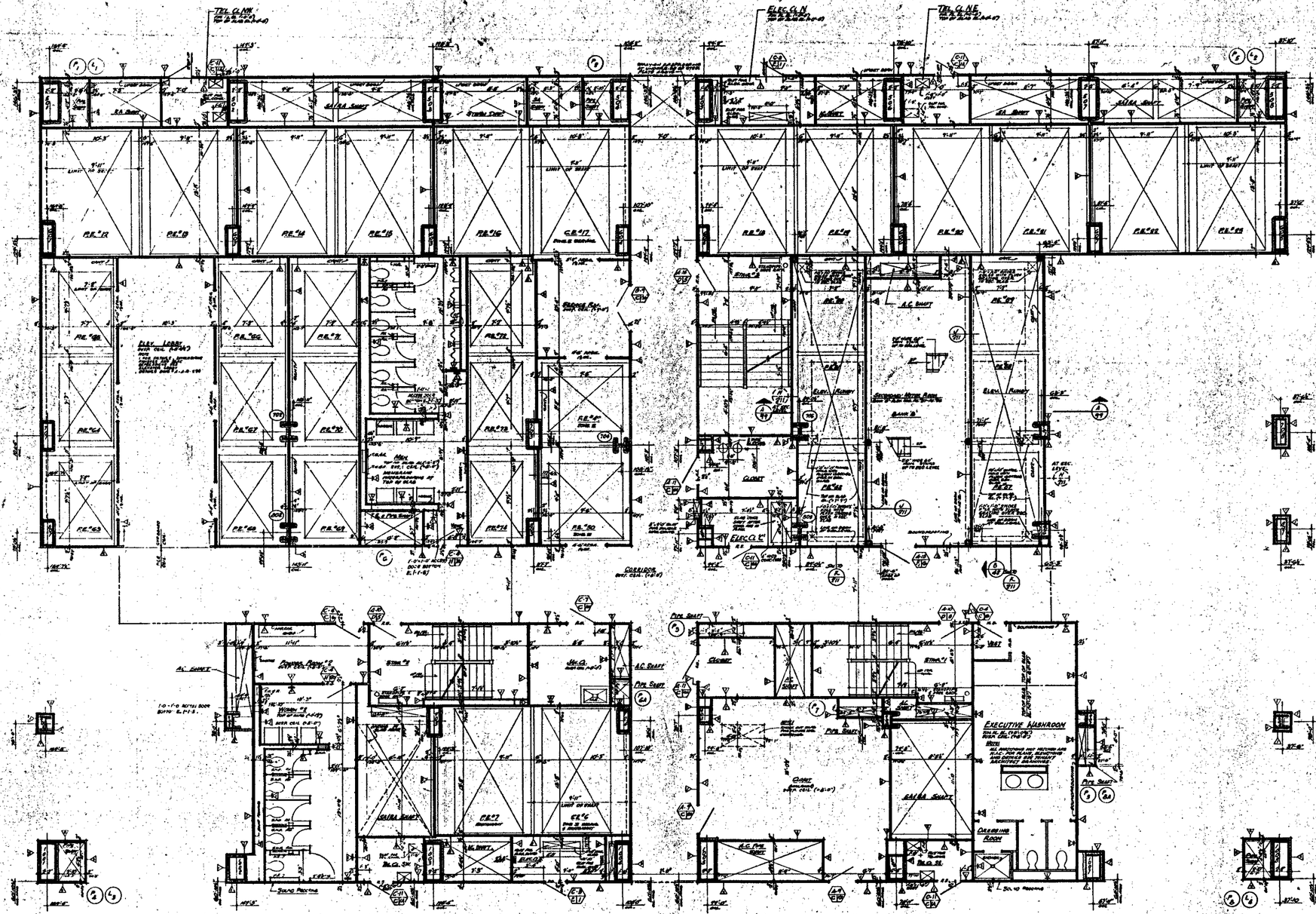
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

62ND & 63RD FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT ENGINEER		SHEET	OF
DESIGN ENGINEER			

A-A-97


NORTH
TEL. C.L.W.
ELEC. C.L.N.
TEL. C.L.NE.
NOTES
1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULE AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-L 1 TO A-L 6.
2. FOR COMPLETE 'B' SCALE FLOOR PLAN SEE DRAWING A-A-97
3. ALL ELEVATIONS GIVEN THUS (62'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG A-A-205 A-A-206
6. ALL TRENCH HEADERS TO BE FURNISHED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A DEPTH OF 1'-0" TYP. OR AS OTHERWISE SHOWN ON ARCHITECTURAL SPECIFICATIONS FOR TYPE. ELECTRICAL ENGINEER & CONTRACTOR TO APPLICATE SHOP DWGS FOR LOCATION & EXTENT OF TRENCH HEADERS & REINFORCING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (62'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS ONE DISPENSER PER 4'-0" LAVATORY. ALTER DOME TO SOAP DISPENSER VALVES TO BE LOCATED IN ACCORDANCE WITH THE CONTAINER SIZE TYPICAL TOILET DETAILS DWG. "A-A-201-24.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS STAIR LANDINGS ETC., BOTTOM ELEVATION OF ALL PIPING AND ELECTRICAL CONDUIT SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PERMIT FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" MINIMUM (6" ATTAIN) DIMENSION IN ELEVATOR CORES TO BE 45° AND OTHER AS INDICATED FROM HORIZONTAL SEE TYPICAL DETAILS
12. FOR FIRE PROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-201-24 TO A-A-201-26.
BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION.
CONTRACT NO DRAWING date 6-1-66
REVISIONS
APPROVED
CHIEF, PLANNING DIVISION
DATE
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT
WORTHINGTON, SKELLING, HELLE & JACKSON
STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY
PAYNE, STELSTEIN, CONSULTANTS
TITLE: 62nd FLOOR CORE PLAN
SCALE: 1/8"=1'-0"
DATE: 7-26-67
PROJECT NUMBER
DRAWING NUMBER
A-A-98

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A1 TO A-A-9.
2. FOR COMPLETE 5" SCALE FLOOR PLAN SEE DRAWING A-A-97.
3. ALL ELEVATIONS GIVEN THUS (50'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL DETAILS, DETAILS SEE DWGS. A-A-5-104 AND A-A-5-105.
6. ALL 17-INCH HEADERS TO BE FASTENED AT UNDERSIDE OF SLAB FOR A WIDTH OF 5'-0" WITH A SPALLY ON TYPE OF FASTENING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEER'S & CONTRACTOR'S APPLIED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FASTENINGS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (NOTED) UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SOAP DISPENSERS WHERE TO BE LOCATED IN BULKHEADS IF WITH TILE COVERING, SEE TYPICAL DWG. A-A-5-104.
9. WHERE NO HUNG CEILINGS ARE CALLED FOR, DUCTS AS IN CORRIDORS, STORE ROOMS ETC., BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL LIGHT FIXTURES.
10. EXTENT OF PUBLIC SPACE FOR CEILING, IS INDICATED THUS _____
11. UNITS ARE ADJUSTABLE ON ALL BEAM PROJECTIONS OVER 12" NOMINAL (8" ACTUAL) PROJECTION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 7'0" FROM HORIZONTAL. SEE TYPICAL DETAILS
12. FOR TREATMENT OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-5-104 TO A-A-5-108

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID - DRAWING date 6-1-68

NO.	DATE	SUB. NO.	BY
6	6-18-71	A-184	DAL
5	6-8-71	A-168	DAL
4	9-1-70	A-123	LH
3	8-18-70	A-78	LH
2	1-30-70	A-31	AB
1	1-30-70	A-29	EC
	9-25-69	A-9	DL
	5-21-69	A-86	DL
	5-13-69	A-77	DL
	5-23-69	A-85	DL
	11-1-68	A-31	DL
	8-1-68	A-40	DMS
	6-10-68	A-2	DMS
	5-16-68		LVL

REVISIONS

REVISIONS

REGISTERED ARCHITECT — STATE OF NEW YORK — No. 11,910

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

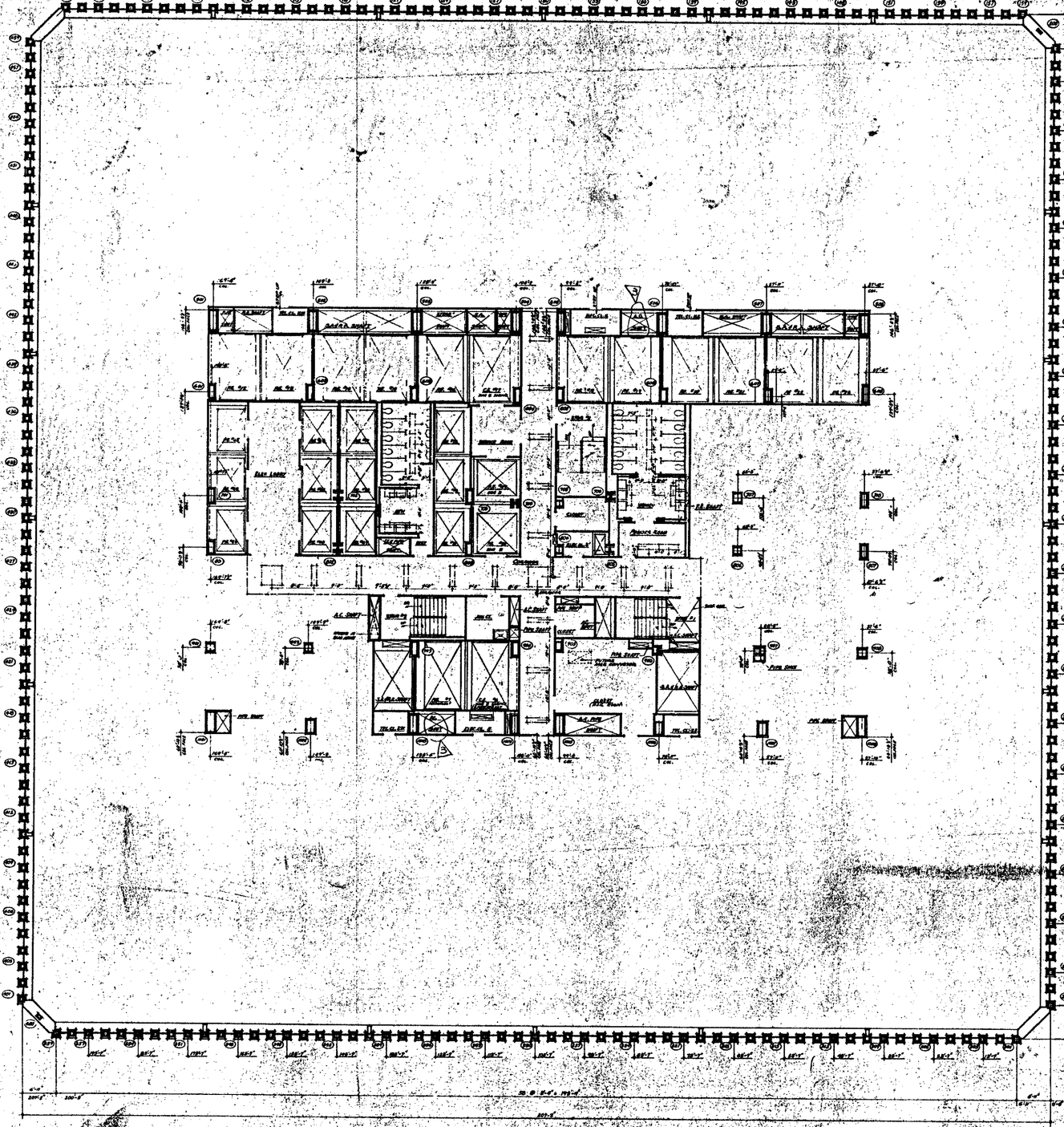
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 63rd FLOOR CORE PLAN

DRAWN		TRACED	
SCALE	1/8" = 1'-0"	DATE	8-1-68
PROJECT ENGINEER		SHEET	OF
APPROVED		DATE	

A-A-99



Notes

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES SEE DRAWINGS A-1.1 TO A-1.5
2. FOR COMPLETE DIMENSIONS AND NOTES OF CORE AREAS SEE 1/8" SCALE CORE DRAWINGS A-4.1-4.5.
3. ALL ELEVATIONS SHOWN THUS 15'-0" ARE IN RELATION TO PORTOF NEW YORK DATUM.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE RECESSED 4" DEEP FOR A WIDTH OF 6'-0" WITH A CERAMIC TYPE FACTORING. SEE ARCHITECTURAL, STRUCTURAL AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND DETAILS OF FLOOR OPENINGS AND PENTHOUSES.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AT SLABS, SEE ALL OTHER LIGHTING LAYOUTS ON ELECTRICAL DRAWINGS E-1.1 TO E-1.5 SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS SERIES.
7. FINISH FLOOR ELEVATIONS ARE TOP OF SLAB ELEVATIONS AND (TOS-4") UNLESS OTHERWISE SHOWN AS NOTED.
8. AREAS TO HAVE PUBLIC CEILINGS ARE SHOWN ON REFLECTED CEILING PLANS AS FINISHED CEILING. ALL OTHER AREAS ARE SHOWN IN CUT AT ELEVATION OF ALL FURRING AND DUCTWORK SHALL BE INSTALLED AT LEAST 6" ABOVE FINISHED CEILING TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL 24" DUCTWORK.
9. EXTENT OF PUBLIC CORRIDOR GRADE IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING DATE 4-1-68

NO.	DATE	SUBJ. DESC.	BY
REVISIONS			
6	6-18-71	A-164	DBL
5	1-30-70	A-122	AB
4	5-15-69	A-17	DG
REVISIONS			

REGISTERED ARCHITECT

APPROVED

CHIEF, PLANNING DIVISION

DATE

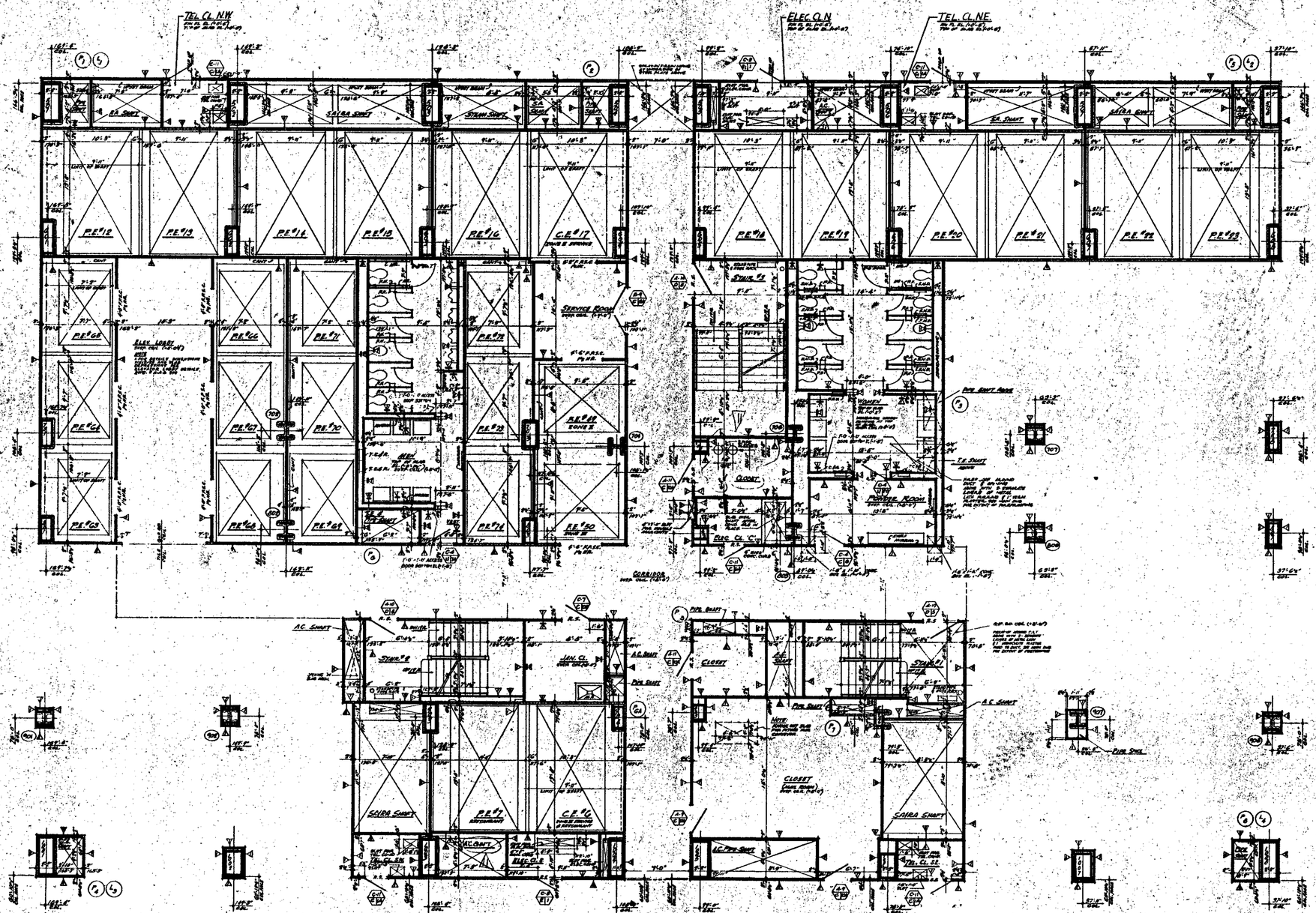
THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES	EMERY ROTH & SONS
MINORU YAMASAKI, ARCHITECT	RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON	JAROS, BAUM & BOLLES
STRUCTURAL ENGINEERS	MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES	THE PORT OF NEW YORK AUTHORITY
ELECTRICAL ENGINEERS	PAVING, UTILITIES, FOUNDATIONS

TITLE: 64TH FLOOR PLAN

DESIGNED		CHECKED	
SCALE	1/8"	DATE	12/21/67
APPROVED		DATE	
DRAWING NUMBER			A-A-100



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND LEGENDS, SEE DRAWINGS A-0-1 TO A-0-4.
2. FOR COMPLETE ½" SCALE FLOOR PLAN SEE DRAWING # A-2-100.
3. ALL ELEVATIONS GIVEN THUS (+0.00') ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE ARCHITECTS ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-0-5 AND A-0-6.
6. ALL TRENCH HEADERS TO BE FURNISHED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SCRATCH COAT TYPE A FOR PLASTERING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & DETAIL. ENGINEER'S & CONTRACTOR'S APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS & FURRING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (NEAT) UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE STOP CONTROLS @ 11 ALL MEN AND WOMENS TOILETS. 1-#8 CONTROL AT EACH JAMB. NOTE: DOORS TO BOTH TOILETS TO BE LOCATED IN RECESSES WITH TILE CLOSURE SL. TYPICAL TOILET DETAILS SHOWN ON A-0-6 & A-0-7.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF FURRING AND STRUCTURAL SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. A 6-0" T.D. IS REQUIRED ON ALL MEN TOILET'S OVER 10'-0" MINIMUM OF INSTALL OWNER'S INSTRUCTIONS AND SHALL BE MINIMUM 7'6" FROM HORIZONTAL SEE TYPICAL DETAILS.
12. FOR PLUMBING OR ANY PIPING ENCLOSING CEILING ALSO TYPICAL PARTITION DETAILS SEE DRAWINGS A-A8-106 TO A-A8-112.

NORTH

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING	DATE 8-2-66
	5-3-71	A-75 AM
	1-8-71	A-51 AB
	1-30-70	A-69 LM
	1-30-70	A-67 LM
	6-23-69	A-21 DG
	6-23-69	A-20 DG
	6-19-69	A-17 DG
	6-19-69	A-69 DG
	5-1-68	A-10 DG
	4-29-68	A-5 DG
0-8-71 A 164 GBS		

REVISIONS

REVISIONS

REGISTERED ARCHITECT

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

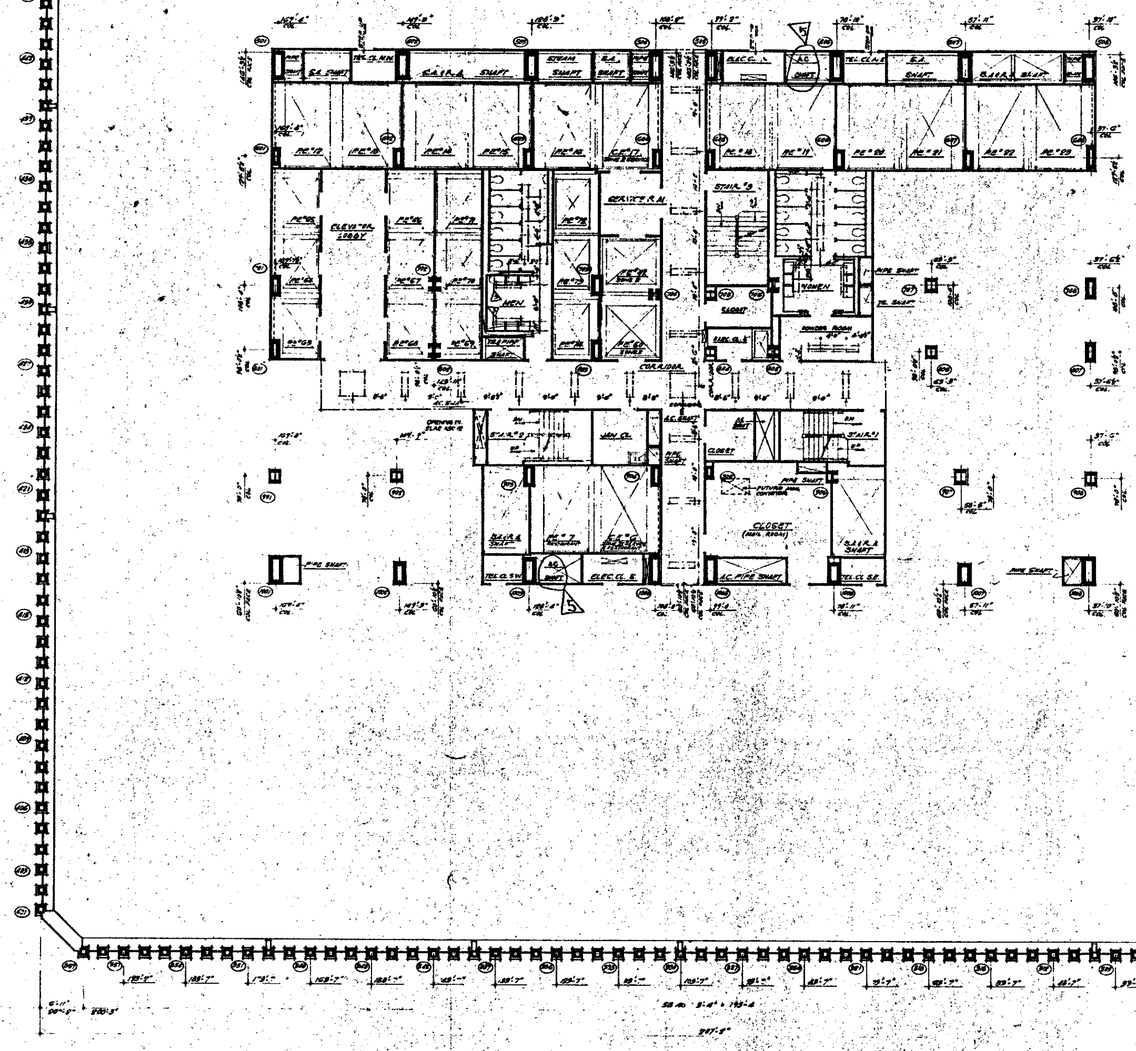
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PLANNING DIVISION

TITLE: 64TH FLOOR CORE "L"

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

DRAWING NUMBER: A-A 101



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SYMBOLS OF MEANINGS SEE DRAWING "AAA TO AAA.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREAS SEE 1" SCALE CORE DRAWING # A-A-105.
3. ALL ELEVATIONS GIVEN THUS (20'-0") ARE AS IN RELATION TO PORT OF NEW YORK DATUM.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. ALL TRENCH HEADERS TO BE FURNISHED AT GRADE 3" OF SLAB AND A WIDTH OF 4'-0" WITH 2 SPRAY OUTLETS (FOR FURTHER DETAILS SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND SIZE OF CELLULAR AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FLOOR OUTLETS.
6. CORE DOOR AND TOILET PARTITION LAYOUTS AS SHOWN ON ALL FLOOR LAYOUTS SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (23'-) UNLESS OTHERWISE NOTED ON A-1-23.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SHOWN IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL FURRING AND SOFFITS ARE TO BE MAINTAINED AT 8'-2" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CONCOURSE DESIGN IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 4-1-68

NO.	DATE	DESCRIPTION	BY
1	6-8-71	A-B4 GBJ	
2	1-30-70	A-B4 AS	
3	1-30-70	A-B5 LS	
4	5-25-69	A-17	
5	5-21-69	A-15	

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK NO. 17,777

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PARKING, UTILITIES, FOUNDATIONS

65TH FLOOR PLAN

SCALE 1/16" = 1'-0"

DRAWN

CHECKED

DATE

SCALE

PROJECT LEADER

DATE

SUPERVISOR

DATE

A-A-102

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.6.
2. FOR COMPLETE '6' SCALE FLOOR PLAN SEE DRAWING A-2.109.
3. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE SHEET A-A-6-204 AND A-A-6-205.
6. ALL TRENCH HEIGHTS TO BE ESTIMATED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH EXCEPTION OF PERIMETER. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEER'S & CONTRACTORS APPROVED SHOP DRGS. FOR LOCATION & EXTENT OF TRENCH HEIGHTS & INSERTIONS.
7. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. RECESS SHAFT DOORFRAMES IN MEN AND WOMEN'S TOILETS: THE DOORFRAMES AT EACH LAVATORY ACCESS DOOR TO SHAFT SPACE SHALL BE LOCATED IN ACCORDANCE WITH TILE COURSING. SEE TYPICAL TOILET DETAILS SHEET A-A-6-201.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS AT CLOSETS STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL BEAMS AND GIRDERS SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOORS TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CANTS ARE ALIGNED BY 45 DEGREE PROJECTION OVER 24" MINIMUM (2'-0" ACTUAL) CONSTRUCTION, W/ ELEVATOR SHAFTS AND SHALL BE MAINTAINED 70° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIRESTOPPING OF FIRE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A.6-206 TO A-A.6-212.

BULLETINS NOT DATED ARE IN THE ARCHITECT'S OR CONTRACTOR'S FILES.

CONTRACT	BID	DRAWING	date	by
		Δ	1-30-70	A-64	AB
		Δ	1-30-70	A-68	E.M.
		Δ	1-30-70	A-67	E.C.
		Δ	5-25-71	A-51	E.M.
		Δ	5-25-71	A-26	E.M.
		Δ	5-25-71	A-17	E.M.
		Δ	5-25-71	A-25	E.M.
6-18-71	A-66-6	GBL	Δ	8-11-66	A-10	DHS
5-13-70	A-73	A.H.	Δ	6-15-66	A-5	DHS
1-30-70	A-61	A.S.	Δ	6-15-66	A-2	DHS

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

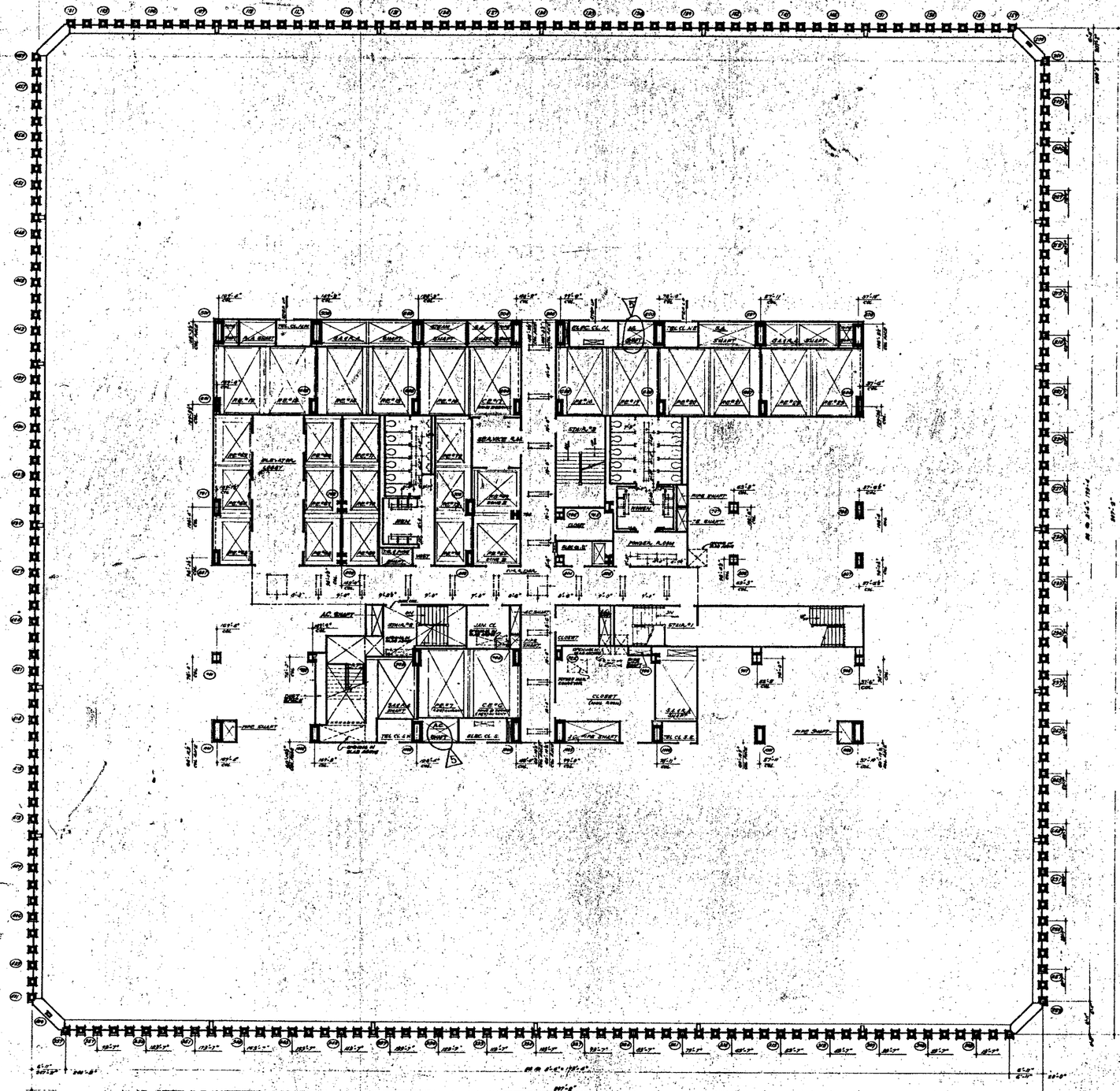
MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORINO & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 65TH FLOOR CORE PLAN

SCALE: 1/8" = 1'-0" — DATE: 7-31-67

PROJECT NUMBER — SHEET NO. —

DRAWING NUMBER: A-A 103



Above

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS & ABBREVIATIONS FINISH SCHEDULES, DOOR SCHEDULES SEE DRAWINGS "A-A-1 TO A-A-5
2. FOR COMPLETE FUNCTIONS AND NOTES ON CORE PLAN SEE 1/8" SCALE CORE DRAWING "A-A-105
3. ALL ELEVATIONS GIVEN THUS (99'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE ASSOCIATE ENGINEERS' DRAWINGS
5. ALL PARTITION HEADERS TO BE FOR FIRE RATED AS INDICATED ON FLOOR PLAN & SHOWN IN 1-1/4" SCALE BY TYPE FACE. FOR LOCATION SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND ELECTRICAL ENGINEERS & CONTRACTORS DRAWINGS SHOP DRAWINGS FOR LOCATION AND LAYOUT OF PARTITION HEADERS AND FIRE PROOFING.
6. CEILINGS AND CONTRACT LIMITS LAYOUTS AS SHOWN FOR ALL OTHER, LIMITING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
7. INVERT ELEVATIONS AND TOP SLAB ELEVATIONS ARE TYPICAL UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, BACK OF FIXTURES, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND CONSTRUCTION SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. POINT OF PUBLIC CHARGING GRADE IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING DATE: 7-1-68

NO.	DATE	SUBJECT	BY
1	6-8-71	A-104	GBL
2	5-13-71	A-74	AH
3	1-20-71	A-69	RC
4	1-30-71	A-69	RC
5	12-21-71	A-17	RC

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH C. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
NATIONAL CAPITAL PLANNING COMMISSION

66TH FLOOR PLAN

SCALE: 1/16" = 1'-0"

DATE: 7-1-68

A-A-104

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-5.
2. FOR COMPLETE 8" SCALE FLOOR PLAN, SEE DRAWING # A-1-104
3. ALL ELEVATIONS GIVEN THUS (234.5) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. # A-A-6-104 AND A-A-6-105.
6. ALL TRENCH HEADERS TO BE PREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE OF PREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE OF ELECTRICAL ENGINEER'S CONTRACTOR APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & PREPROOFING.
7. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (234.5) UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMENS TOILETS ONE DISPENSER AT EACH LAVATORY ACCESS DOORS TO SOAP DISPENSER SHALL BE LOCATED IN ACCORDANCE WITH TILE CONTRACT. SEE TYPICAL TOILET DETAILS DWG # A-AB-104
9. WHERE NO DISPENSERS OR HOOKS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIRS, DUCTS, ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-2" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CENTER ASSUMED ON ALL DRAIN PROJECTIONS OVER 6" NOMINAL ("6" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 10" PIPE IN HORIZONTAL. SEE TYPICAL DETAILS
12. FOR PREFROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-104 TO A-AB-108.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING	DATE 3-7-68	
	1-30-70	A-84	P.C.
	1-30-70	A-85	L.L.
	1-30-70	A-17	L.L.
	5-25-66	A-16	D.L.
	5-25-66	A-16	D.L.
6-1871 1-164	5-25-66	A-17	D.L.
4-1-71 4-188	5-25-66	A-15	D.L.
5-12-76 A-76	8-1-66	A-10	D.G.
5-12-76 A-76	6-10-66	A-5	D.G.
1-30-70 A-81	6-1-66	A-5	D.G.

REVISIONS — DATE | BUL. NO. | BY

REVISIONS — DATE | BUL. NO. | BY

REGISTERED ARCHITECT — STATE OF NEW YORK — NO. 17

APPROVED: CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

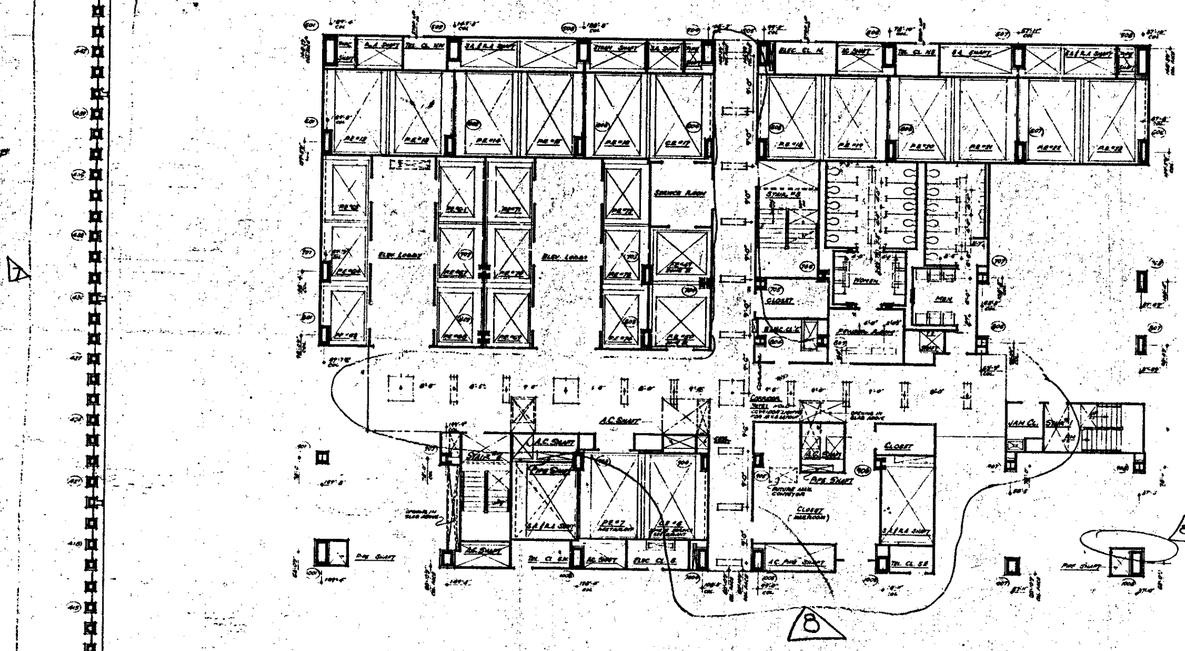
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PLUMBING, UTILITIES, FOUNDATIONS

TITLE: 66TH FLOOR CORE PLAN

SCALE: 1/8" = 1'-0" — DATE: 3-7-68

DRAWING NO. A-A-105



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIAL SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, ETC., SEE DRAWINGS A-1.1 THROUGH A-1.5
2. FOR COMPLETE DIMENSIONS, LAYOUT OF CEILING GRIDS SEE RCP, REFLECTED CEILING PLANS SET
3. ALL ELEVATIONS GIVEN ARE (UNLESS NOTED) AFF IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL / ELECTRICAL LOCATIONS SEE REFLECTIVE CEILING PLANS DRAWINGS
5. ALL PUBLIC CORRIDORS TO BE PAINTED/PAPERED AT INTERVALS OF 15 MIN. FOR A WIDTH OF 4'-0" WITH A CHANGE OF TEXTURE OR PATTERN. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE / TEXTURE, PATTERN / MANUFACTURER INFORMATION. FOR LOCATION / EXTENT OF PAINTING / PAPERING
6. FOR LOCATION / TOILET ACCESSORY LAYOUT SEE DRAWING A-6.1. ALL OTHER LIGHTING SEE ELECTRICAL PLANS / ARCHITECTURAL DETAILS
7. FINISH FLOOR ELEVATION (FOR 1ST FLOOR ELEVATION SEE LEGEND) UNLESS OTHERWISE SHOWN AS NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, DOOR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT NOT ABOVE 8'-11" ELEVATION FROM FINISHED FLOOR TO PROVIDE FOR PROPER CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BUILDING NOT RATED AS IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 5-1-68

NO.	DATE	DESCRIPTION	BY
1	11-19-70	A-118	L.C.
2	4-27-71	A-119	L.C.
3	6-18-71	A-164	O.B.L.
4	6-18-71	A-164	O.B.L.
5	5-15-72	A-74	A.H.
6	1-30-70	A 58	E.C.
7	1-30-70	A 65	E.C.
8	6-15-68	A-17	O.L.B.

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — SOILS ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 67TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/16" = 1'-0"	DATE	9 DEC 69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-106		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, HARDWARE AND FRAME TYPES, SEE DRAWING P-A-0.1 TO A-0.5.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING A-A-100.
3. ALL DIMENSIONS GIVEN ARE (UNLESS NOTED OTHERWISE) TO FINISH FACES.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. P-A-0.1 AND A-A-0.2.
6. ALL TRENCH HEADERS TO BE PROVIDED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A DEPTH OF TYPE PREVAILING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS AND RACEWAYS.
7. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (2.0125') BELOW FINISHED FLOOR, UNLESS NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS. COIN DISPENSERS AT EACH LAVATORY ACCESS DOORS TO SOAP DISPENSER SHALL BE LOCATED IN ACCORDANCE WITH THE CONVENTIONAL USE TYPICAL TOILET DETAILS DWG. P-A-0.1.
9. WHERE NO RAW CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR RECESSES, ETC., BOTTOM ELEVATION OF ALL BEAMS AND ELECTRICAL BOXES SHALL BE MAINTAINED AT 10'-0". FURRING DOWN, TO PROVIDE FOR ACTUAL CEILING INSTALLATION AND CLEARANCE OF ALL HEIGHT BEAMS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING AS INDICATED THUS: _____
11. CENTER PARTITIONS ON ALL REAR PROJECTIONS 2'-0" FROM FACE OF EXTERIOR WALL, UNLESS OTHERWISE NOTED ON INDIVIDUAL DETAILS. DIMENSIONS IN ELEVATION, SHOWN AT FACE OF WALL, ARE TO FINISH FACE OF PARTITIONS. SEE TYPICAL DETAILS.
12. FOR DIMENSIONS OF RAISED FLOORING, CEILINGS AND TYPICAL PARTITION DETAILS SEE DWGS. A-A0.0-100 TO A-A0.0-101.

CORRIDOR

NOTE: NEW DOOR FRAME BY TENANT. DOOR SWING & RATING TO BE MAINTAINED

NOTE: NEW DOOR FRAME BY TENANT. DOOR SWING & RATING TO BE MAINTAINED

NOTE: NEW DOOR AND FRAME BY TENANT. DOOR SWING AND RATING TO BE MAINTAINED.

BULLETINS (NOT DATED ARE IN THE PROCESS OF COMPLETION)

CONTRACT	BID	DRAWING	Date	S-I-S	
			1-30-70	A-61	LC
			1-30-70	A-81	LC
			1-30-70	A-88	LC
			1-30-70	A-97	LJ
6-1-71	A-1067	LJ	6-16-69	A-31	DG
1-15-71	A-1128	LC	6-16-69	A-70	DG
6-18-71	A-1164	DBL	6-16-69	A-17	DG
6-1-71	A-1153	LJ	6-1-68	A-10	DG
7-12-72	A-74	AM	2-13-68	A-3	DG
5-12-72	A-73	AM	4-29-68	A-5	DG

REVISIONS

REVISIONS

APPROVED: _____ DIRECTOR OF PLANNING

DATE: _____

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

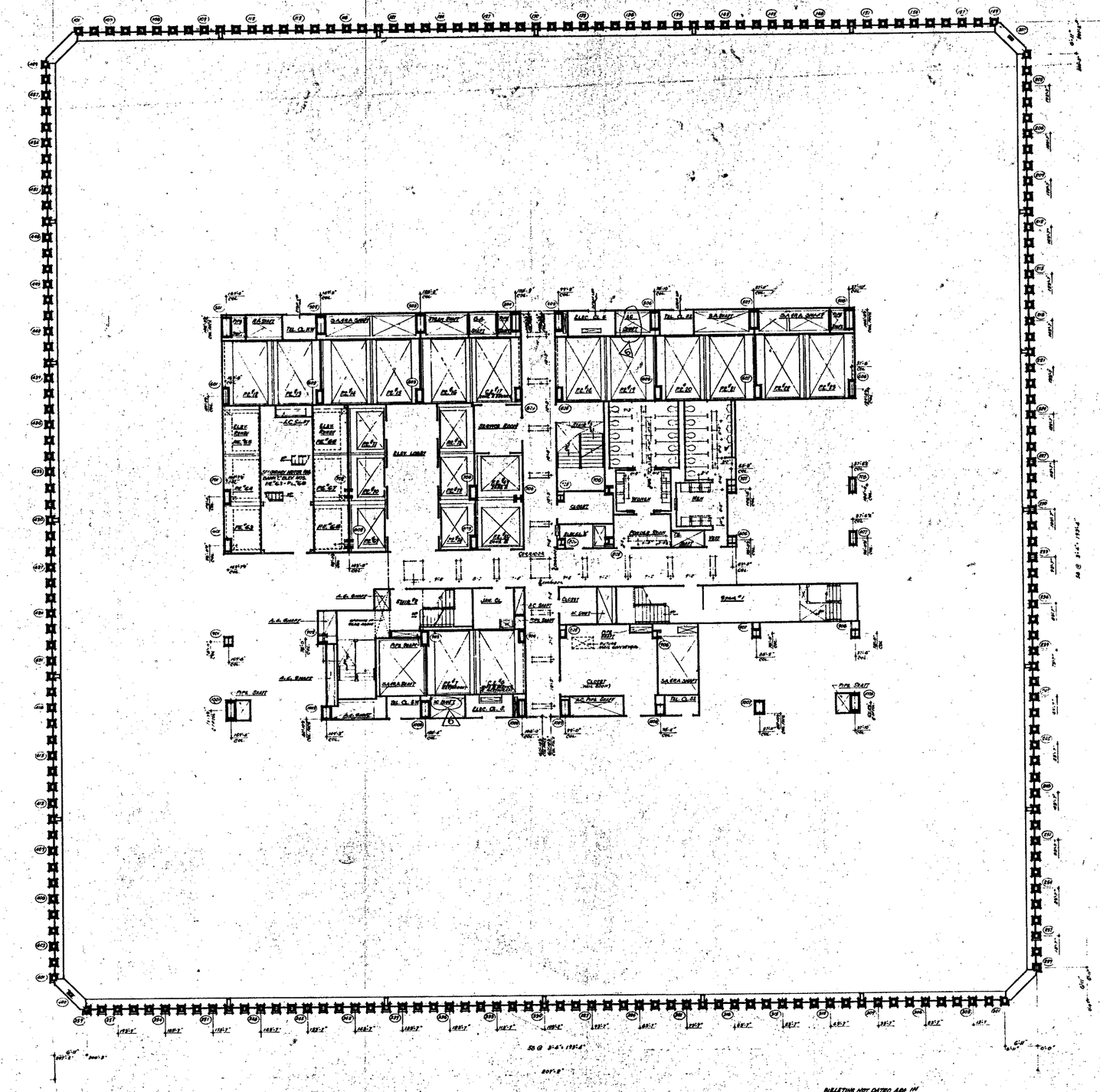
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 6TH FLOOR CORE PLAN

SCALE: 1/8"-0" — DATE: 7-20-67

A-A-107



NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS THESE SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-4
2. FOR COMPLETE DIMENSIONS AND NOTES IN TOILL AREA SEE ¼" SCALE CORE DRAWINGS A-A-101
3. ALL ELEVATIONS GIVEN THUS (104.67) ARE IN RELATION TO TUNNEL FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE SUBSIDIARY DRAWINGS
5. [illegible] SHOWN TO BE PREPARED AT VICINITY OF PLAN OF A SCALE OF 1/4" WITH A DRAWN TYPE PARTITION. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL OUTLETS AND CONDITIONS APPLIED PARTICULARLY TO [illegible] EXTENT OF "FLOOR-HEIGHT PARTITIONS.
6. CORE DOOR AND TOILET LOCATION SHOWN ON ALL OTHER UNITHIS FOR ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE [illegible] UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR ENCLOSURES ETC. PORTION ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED 8'-8½" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: [illegible]

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 9-1-68

NO.	DATE	REVISION	DWG. NO.	BY
1	6-18-71		A-100	DBL
2	5-17-71		A-74	AJ
3	1-20-70		A-64	LJ
4	1-20-70		A-89	LJ
5	5-15-69		A-17	RM
6	5-21-69		A-25	RM

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

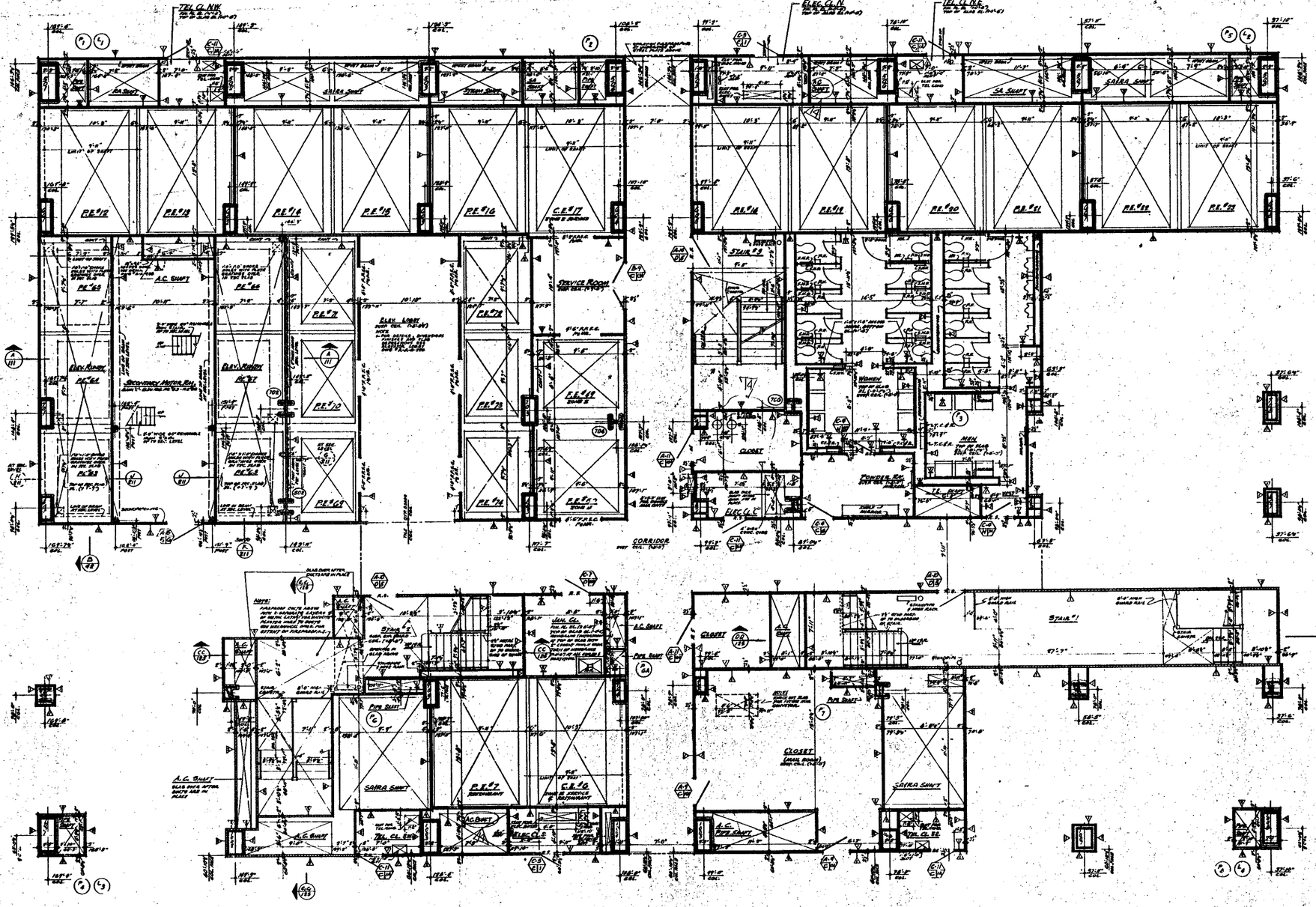
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 60TH FLOOR PLAN

SCALE: 1/16" = 1'-0"

DRAWING NO. A-A-108



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, HARDWARE AND SCHEDULES OF DRAWINGS SEE DRAWINGS #A-A-1 TO A-A-4.
2. FOR COMPLETE 16" SCALE FLOOR PLAN SEE DRAWING #A-A-106.
3. ALL ELEVATIONS GIVEN THUS (70'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG.# A-A-106 AND A-A-0-205.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A GYP-LAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE (ELECTRICAL ENGINEERS (CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION (EXTENT OF TRENCH HEADERS (FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (70'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SUMP DEPRESSED AT ALL MEN AND WOMEN'S TOILETS, GAS DRAINAGE AT EACH LAUNDRY, ACCESS DOORS TO SUMP DRAINAGE VALVES TO BE LOCATED IN ACCORDANCE WITH THE COVERING. SEE TYPICAL TOILET DETAILS DWG.# A-A-B-204.
9. WHERE RS SERVICED CORES ARE CALLED FOR, SUCH AS AT CLOSETS, STAIR LANDINGS ETC, BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC OCCUPANCY CEILING IS INDICATED THUS: ———— — — —
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" NOMINAL (8" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 45° FROM HORIZONTAL SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS #A-A-206 TO A-A-B-208.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION.

CONTRACT	BID	DRAWING	date	by
		1	1-20-70	A-51
		2	1-20-70	A-53
		3	1-20-70	A-47
		4	5-13-71	A-51
		5	5-13-71	A-26
		6	5-13-71	A-17
C-1871	A-164	7	5-13-71	A-35
5-15-70	A-24	8	8-1-69	A-10
5-15-70	A-79	9	7-17-68	A-5
1-20-70	A-54	10	2-21-68	A-8

REVISIONS

REVISIONS

REGISTERED ARCHITECT — EMERY ROTH & SONS — NEW YORK

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

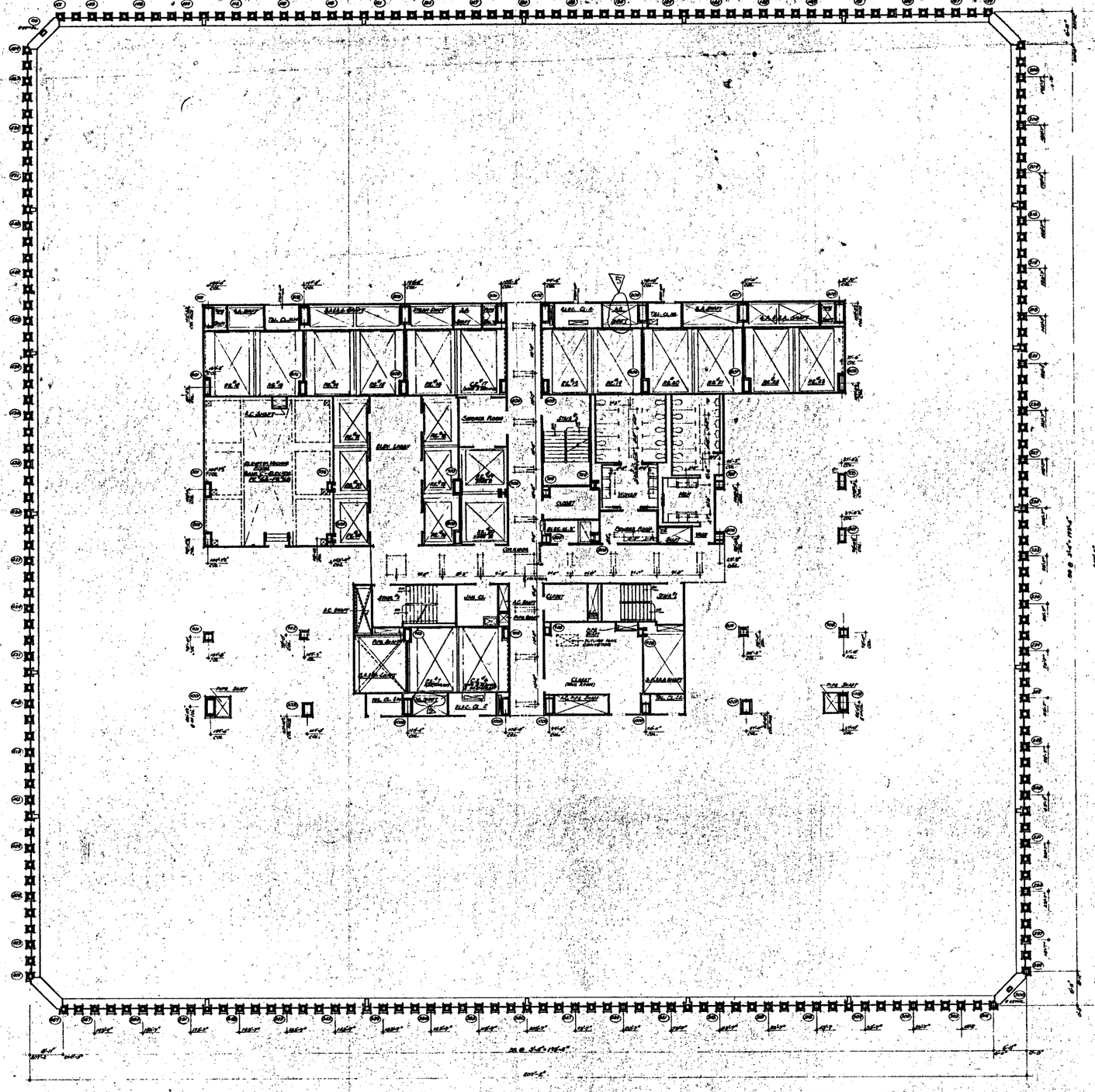
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 68TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1"=1'-0"	DATE	7-31-67
PROJECT MANAGER		SHEET	OF
ASSISTANT DIRECTOR			
DIRECTOR			

A-A-105



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, AND SCHEDULES OF DRAWINGS, SEE DRAWINGS A-A-1 TO A-A-5
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/4" SCALE CORE DRAWING A-A-101
3. ALL ELEVATIONS SHOWN, THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED. WHERE NO CEILING HEIGHTS ARE CALLED FOR SUCH AS AT CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 7'-6" ABOVE FINISHED FLOORS, TO FACILITATE FUTURE CEILING INSTALLATION AND CLEARANCE OF RAILS, RIGHT DOORS.
8. THESE FLOOR ELEVATION AND TOP OF SLAB ELEVATION ARE 0'-0" UNLESS OTHERWISE SHOWN OR NOTED.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _ _ _ _ _ _ _ _

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BULL. NO.	BY
5	8-18-71	A-142	DBL
4	1-20-70	A-83	AA
3	1-20-70	A-47	LM
2	6-23-69	A-17	DAL
1	6-23-69	A-25	DAL

REVISIONS

REVISIONS

REGISTERED ARCHITECT

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

STRUCTURAL ENGINEERS: WORTHINGTON, SKILLMAN, HELLE & JACKSON; JOSEPH R. LORING & ASSOCIATES

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

MECHANICAL ENGINEERS: JAROS, BAUM & BOLLES; THE PORT OF NEW YORK AUTHORITY

PLANNING, UTILITIES, FOUNDATIONS

TITLE: 69TH FLOOR PLAN

SCALE: 1/8" = 1'-0" — DATE: 7-24-69

DRAWING NO. A-A-110

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS ROOM SCHEDULES, DOOR SCHEDULES AND SCHEDULES, OR DRAWINGS SEE DRAWINGS A-1.1 TO A-1.4
2. FOR COMPLETE "A" SCALE FLOOR PLAN SEE DRAWING A-A-110
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TYPES THUS "TYP" OR "TYPICAL" SHALL BE SIMILAR TO SIMILAR AREAS AND LIKE
6. ALL 12 INCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" MIT. A GREAT ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATIONS ARE TOP OF SLAB ELEVATIONS AND (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PLUMBING SHOP DRAWINGS AT ALL MEN AND WOMENS "T" TYPE DRY STANDPIPES AT EACH LEVEL EXIT ACCESS DOORS TO SHOP DRAWINGS (TO BE LOCATED IN ACCORDANCE WITH TILE COLORS). SEE TYPICAL TOILET DETAIL SCALE 3/4"-1'-0" A-A-111.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, EVEN AS IN CLOSETS, STAIR, HOISTWAYS ETC., BOTTOM ELEVATION OF ALL PIPING AND ELECTRICAL SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CANTS ARE REQUIRED SHALL BEAM FURRED TYPE OVER 36" NOMINAL (NOTCHED) DIMENSION ELEVATION SHAFTS AND SHALL BE MINIMUM 10" FROM MEETING SEE TYPICAL DETAILS
12. FOR REMOVING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-1.0-506 TO A-1.0-512.

SECTION A/A

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 6-9-66

NO.	DATE	BULL. NO.	BY
6	6-18-71	A-164	DBL
5	5-15-70	A-75	AH
4	1-30-70	A-51	AS

REVISIONS

NO.	DATE	BULL. NO.	BY
A	1-30-70	A-69	LM
A	1-30-70	A-97	LM
A	5-29-69	A-94	DAL
A	5-28-69	A-86	DAL
A	5-26-69	A-77	DAL
A	6-26-68	A-69	DAL
A	11-1-68	A-41	AM
A	8-1-68	A-40	DAL
A	7-29-68	A-8	DAL
A	5-15-68		DAL

REVISIONS

REGISTERED ARCHITECT

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES & DRAINAGE

1/8"-1'-0"

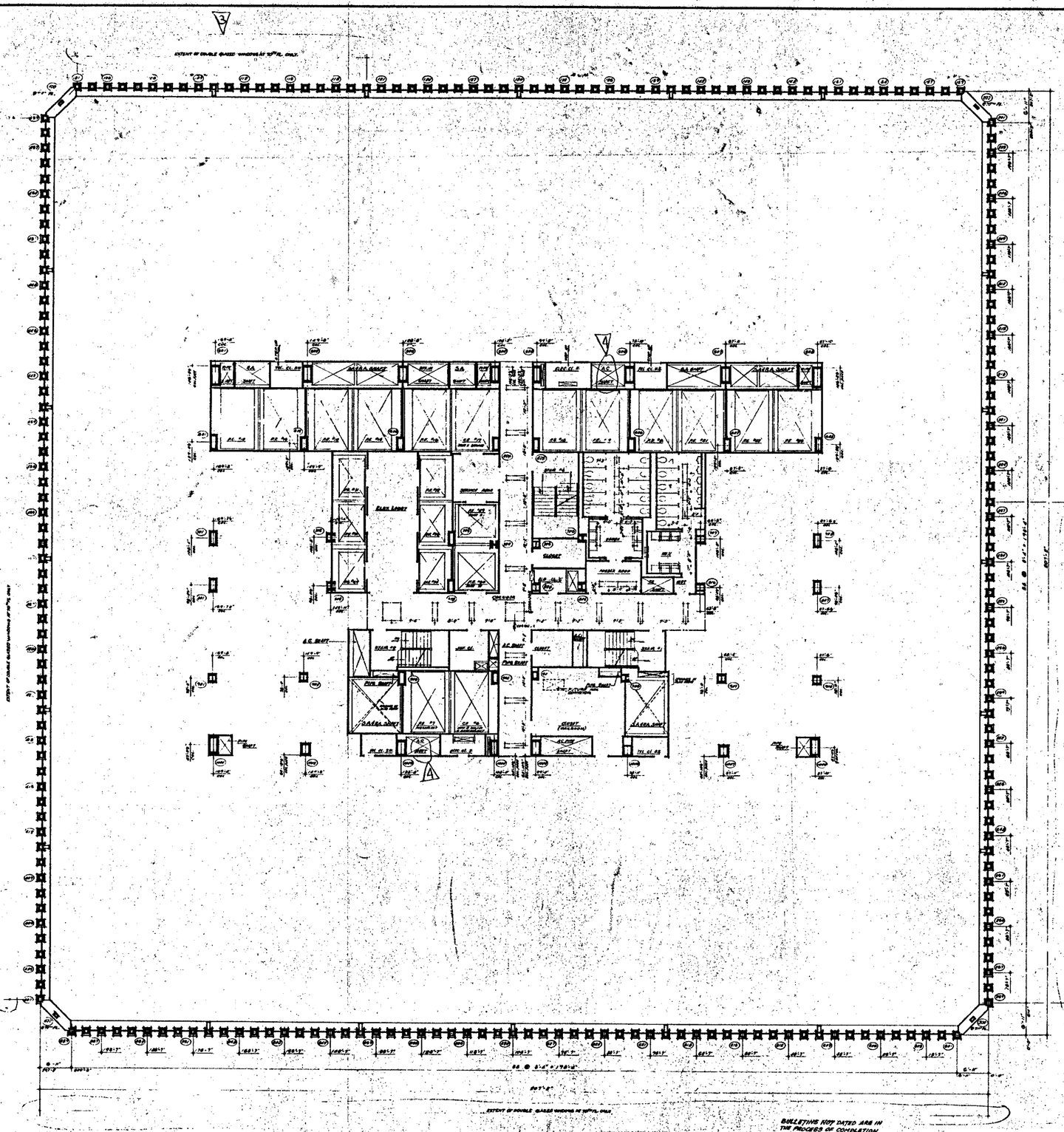
69th Floor - Core Plan

SCALE 1/8"=1'-0" DATE 7-31-67

DRAWN CHECKED

APPROVED

A-A-111


EXTENT OF DOUBLE GLAZED WINDOWS AT 107TH FL. ONLY
EXTENT OF DOUBLE GLAZED WINDOWS AT 107TH FL. ONLY
SKY LOBBY
SKY LOBBY
ELEV. EQ. R
ELEV. EQ. R
SKY LOBBY
SKY LOBBY
SKY LOBBY
SKY LOBBY
A.C. SHAFT
A.C. SHAFT
A.C. SHAFT
A.C. SHAFT
DCW SHAFT
DCW SHAFT
CUTTLE
CUTTLE
GLOBE
GLOBE
GLOBE
GLOBE
ELEV. EQ. R
ELEV. EQ. R
ELEV. EQ. R

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, PANEL SCHEDULES, DOOR SCHEDULES & SCHEDULE OF DRAWINGS SEE DWGS. P-1 & P-2 TO P-5.
2. FOR COMPLETE 9" & 3/4" SCALE PLANS, PLAN AND DWGS. OF AREAS.
3. ALL ELEVATIONS SHOWN THUS (XX'-X") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DWGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. A-A3-201 AND A-A3-202.
6. ALL TRENCH HEADERS TO BE RELAPPED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SIMILAR TYPE OF FOLLOWING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FILLER PLATES.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE EQUAL UNLESS OTHERWISE SHOWN OR NOTED.
8. BLANKED EYES DISPENSERS AT ALL MEN AND WOMEN'S TOILETS.
9. PIPE SLEEVES AT EACH FLOOR ACCESS DOORS TO BE PROVIDED WHERE REQUIRED IN ACCORDANCE WITH C.E. SPEC. SEE TYPICAL DWG. P-A-SS-01.
10. WHERE NO FURRED CEILINGS ARE SHOWN ALL EXPOSED PIPES, EVEN IN CLOSETS, STAIR, ELEVATOR ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR TO FURNISH FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL 12'-0" DOORS.
11. EXTENT OF PUBLIC CEILING IS INDICATED THUS
12. CAUTION REQUIRED ON ALL BEAM PENETRATIONS SEE STRUCTURAL DRAWINGS FOR ALLOWABLE SIZE OF OPENINGS IN ELEVATION, VALUES SHOWN ARE MEASURED FROM HORIZONTAL SEE TYPICAL DETAILS.
13. FOR SHEETROCKING OR BRICK STACKING OF COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A3-503 TO A-A3-507.

NORTH

PART PLAN AT 71ST FLOOR

PART PLAN AT 71ST FLOOR

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	NO.	DRAWING	DATE	BY
		1 1-30-70	A-51	LJL
		2 1-30-70	A-48	LJL
		3 1-30-70	A-47	LJL
		4 5-25-69	A-51	DG
		5 5-25-69	A-50	DG
		6 5-25-69	A-17	DG
		7 5-25-69	A-95	DG
		8 3-1-68	A-10	DG
6-18-71	A-106	CBL 9 4-28-68	A-6	DG
5-15-70	A-75	LJL 10 4-29-66	A-5	DG
NO. DATE	REVISIONS	BY NO. DATE	REVISIONS	BY

REGISTERED ARCHITECT

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

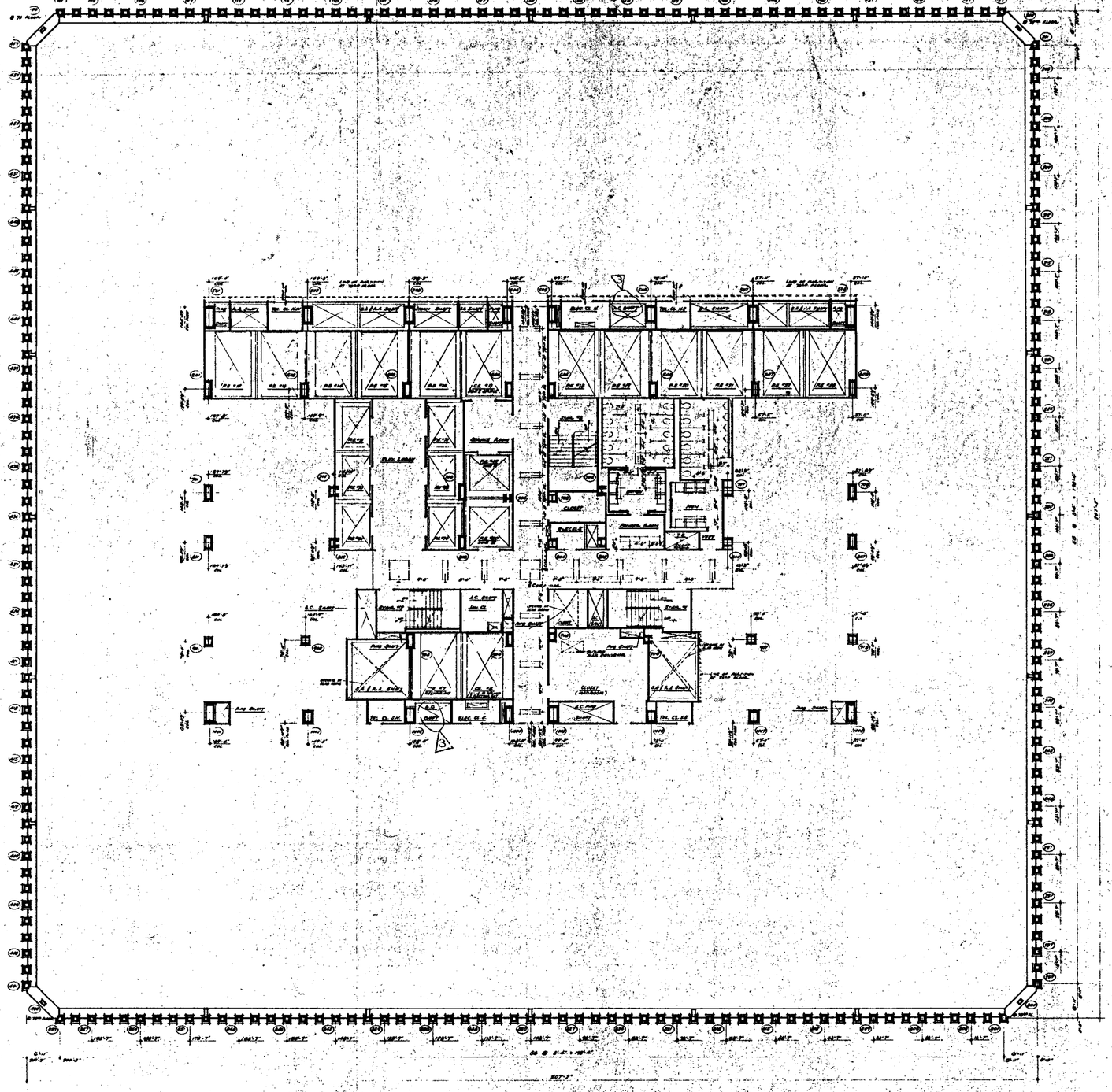
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, RESTITUTED FOUNDATIONS

TITLE: 70TH & 71ST FL. CORE PLAN

DESIGNED		CHECKED	
SCALE	1/8" = 1'-0"	DATE	1-30-70
PROJECT		SHEET	OF
DRAWING NUMBER	A-113		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SYMBOLS SEE DRAWING A-1.
2. FOR COMPLETE DIMENSIONS & NOTES IN CASE NOT SHOWN ON 1/16" SCALE SEE DRAWINGS A-2.1 TO A-2.5.
3. ALL ELEVATIONS GIVEN THUS (+0.00) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LEGENDS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. ALL TRENCH HEADERS TO BE PAINTED AT WORKSHOP OR SLAB EDGE, 3 MILS OF A.C.W.P.S. WITH A STRIP ON TOP OF SLAB DURING THE ARCHITECTURAL SPECIFICATIONS FOR TYPE (ELECTRICAL ENGINEERS) CONTRACTORS TO PAINT THEIR OWN TRENCH HEADERS. (EXCEPTION) EXCEPT AT TRENCH HEADERS & MANHOLES.
6. COLUMNS, (TOILET LIGHTING LOUVERS AS SHOWN) ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS & ARCHITECTURAL DETAILS.
7. OTHER FLOOR ELEVATIONS (TOP OF SLAB ELEVATIONS ARE 8" LESS) UNLESS OTHERWISE NOTED ON PLANS.
8. THERE ARE NO SUSPENDED CEILINGS ARE CALLED FOR, EXCEPT AS IN CORNER AREAS ENTRANCES ETC. EXTENT & ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCES OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF CONSTRUCTION

CONTRACT BID DRAWING date 2-7-68

NO.	DATE	SHEET NO.	BY
1	6-18-71	A-14A	DBL
2	1-20-70	A-23	J.E.
3	3-23-69	A-17	

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PLANNING, UTILITIES, FOUNDATIONS

TITLE: 72nd & 73rd FLOOR PLAN

SCALE: 1/16" = 1'-0"

DATE: 7-31-67

PROJECT NO.

DRAWING NO. A-A-114

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE AND SYMBOLS, SEE DRAWINGS A-0.1 TO A-0.5.
2. FOR GRAPHIC 8" SCALE ROOM PLAN AND SECTIONS SEE DRAWINGS A-1.01 TO A-1.05.
3. ALL ELEVATIONS GIVEN, UNLESS OTHERWISE NOTED, TO TOP OF FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL PARTITIONS SEE DRAWINGS A-2.01 TO A-2.04.
6. ALL TRENCH HEADERS TO BE PROTECTED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'0" WITH A CERAMIC TILE TREATMENT. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS' AND CONTRACTORS' APPROVED SHOP DRAWINGS FOR LOCATION (HEIGHT OF TRENCH HEADERS ARE APPROXIMATE).
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE CLEAR* UNLESS OTHERWISE SHOWN OR NOTED.
8. PLANTER AND CURBSIDE ALL SIDES AND PERIMETER WALLS ARE WATERPROOFED AT EACH PLANTER. ACCESS POINT TO BE PROVIDED AS REQUIRED IN ACCORDANCE WITH THE CODE(S). SEE TYPICAL DETAILS (TYP.) A-2.01-02.
9. WHERE NO DIMENSIONS OTHERWISE ARE CALLED FOR, THERE ARE NO CLEARANCE, TRIM, REVEALS ETC., BETWEEN ADJACENT OR ALL FINISH SURFACES. SHALL BE MAINTAINED AT 0". SEE PLANS, 12 INCH RAISED FLOOR, FUTURE CEILING INSTALLATION AND DEVELOPMENT OF FULL SHAFT DETAILS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS _____
11. CANT'S ARE REQUIRED ON ALL SLOPED PARTITIONING OVER 60° MINIMUM. 1" (TYPICAL) DIMENSION IN ELEVATION, SHAFTS AND SHAFT WALLS ARE CANTED AT 2 PLANES HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIRESTOPPING OF FLOOR STRUCTURE, CEILINGS AND TYPICAL PARTITIONS DETAILS SEE DRAWINGS A-2.05 TO A-2.08.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING	date	by
	1	1-30-70	A-81	AS
	2	1-30-70	A-88	L.H.
	3	1-30-70	A-87	E.C.
	4	5-25-71	A-91	Bmit
	5	5-25-71	A-96	Bmit
	6	5-25-71	A-97	Bmit
	7	5-25-71	A-93	Bmit
4-8-71	A-164	284	8	6-4-71	A-100	15	BS
9-1-71	A-163			6-28-74	A-1.0	245	DAL
5-15-70	A-75	A.L.	4	6-28-74	A-2	245	DAL

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
SOILS ENGINEERS & MARINE CONSULTANTS

THE PORT OF NEW YORK AUTHORITY
ENGINEERING DEPARTMENT
PIER AND BULKHEAD STRUCTURES, FOUNDATIONS

72nd FLOOR CORE PLAN

SCALE 1/16" = 1'-0"

DATE 7-31-72

PROJECT NO.

DRAWING NO. A-A-115

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, KEY ON SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS, SEE DRAWINGS A-A1 TO A-A-5
2. FOR COMPLETE ⅛" SCALE FLOOR PLAN SEE DRAWING A-A-116
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERED DRAWINGS.
5. FOR TYPICAL TOILET ROOMS SEE DWGS. A-A-204 AND A-A-206.
6. ALL TRENCH HEADERS TO BE PAR-LAMINATED AT UNDERSIDE OF SLAB FOR A WIDTH OF 1'-0" WITH A SPRAY-ON TYPE OF FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & FURTHER DETAILS. CONTRACTOR SHALL AND SHOP DWGS. ARE LOCATION & EXTENT OF TRENCH HEADERS & FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE NOTED.
8. PROVIDE SOAP DISPENSERS 1) AT ALL MEN AND WOMENS TOILETS. ONE DISPENSER AT EACH LAVATORY ADJACENT SHOWN TO SOAP DISPENSER MOUNTED TO BE LOCATED IN ACCORDANCE WITH TILE DRAWINGS. SEE TYPICAL TOILET DETAILS DWG. A-AB-204.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, INTERSTITIAL ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION, AND CLEARANCE OF ALL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 6" NOMINAL (8" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 12" PARALLEL/VERTICAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-206 TO A-AB-212.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

(CONTRACT NO.	BID	DRAWING	date 8-7-68
	1	8-16-70	A-104 DBL
	2	9-17-70	A-115 AM
	3	1-30-70	A-81 LM
	4	1-30-70	A-83 LM
	5	1-30-70	A-87 LM
	6	5-25-71	A-21 MG
	7	5-25-71	A-25 MG
	8	9-28-71	A-17 MG
	9	8-1-68	A-99 DMG
	10	8-22-68	A-2 DMG

NO.	DATE	SUL. NO.	BY
REVISIONS			

NO.	DATE	SUL. NO.	BY
REVISIONS			

APPROVED
CHIEF, PLANNING DIVISION
DATE

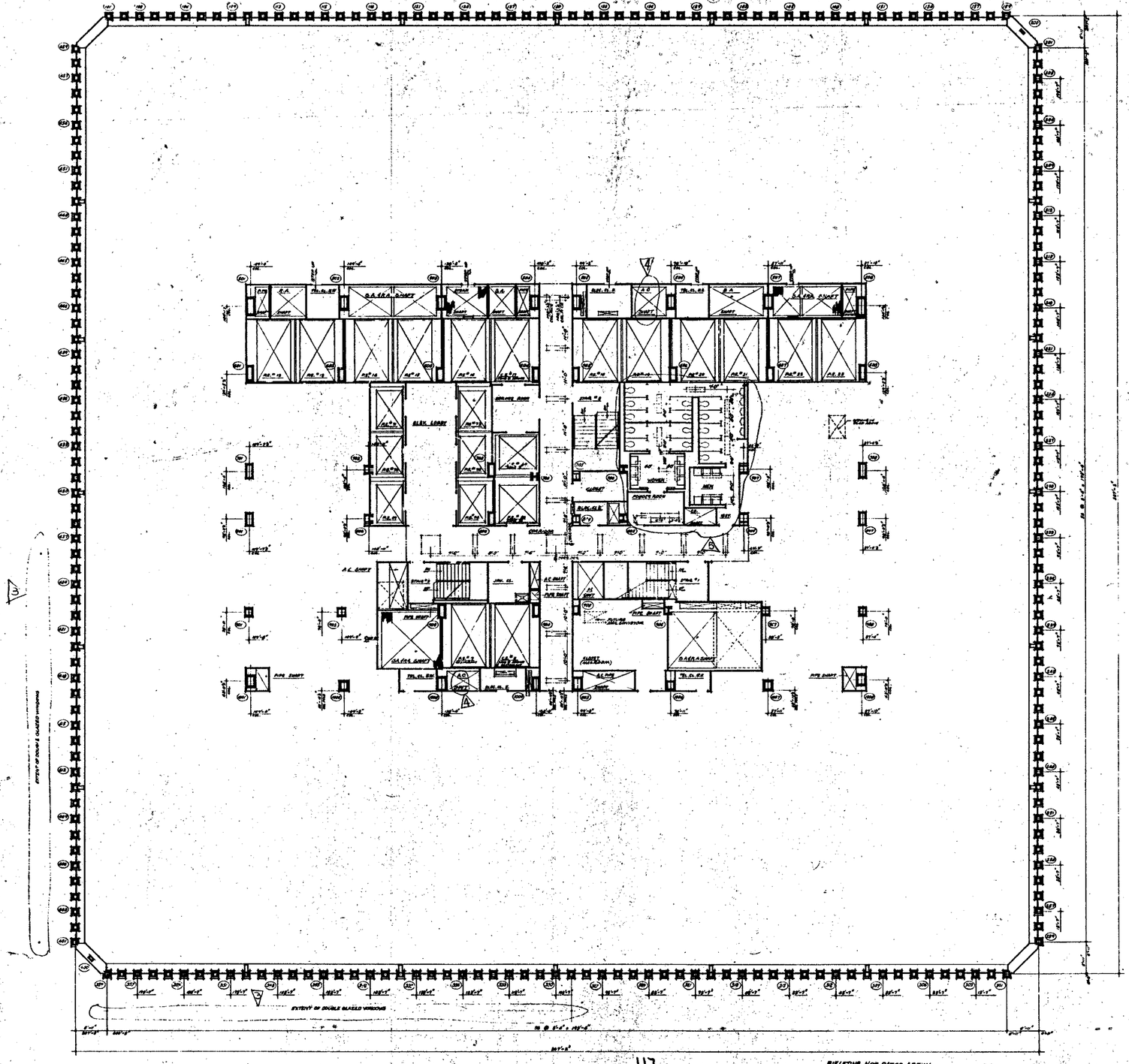
THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — VENT, UTILITIES, FOUNDATIONS

TITLE: 73rd Floor Core Plan

SCALE: ⅛"=1'-0" — DRAWN: — CHECKED: —
PROJECT NO. — SHEET NO. —
DRAWING NO. A-A-116



117

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING# A-A-1 TO A-A-4.
2. FOR COMPLETE PARTITION AND DETAIL PLAN OF CORE AREA SEE 1/4" SCALE CORE DRAWING# A-A-116.
3. ALL DIMENSIONS GIVEN THUS (3'-6 1/2") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. ALL TRENCH HEADERS TO BE PREPOURED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY ON TYPE FIREPROOFING SEE ARCHITECTS' AE SPECIFICATION FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTOR'S APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORE CAR AND TOILET LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, MAIN PASSAGE ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO ENSURE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: ———

BULLETINS NOT DATED ARE IN THE PROCESS OF CONSIDERATION

CONTRACT BID DRAWING ISSUE 6-1-68

NO.	DATE	DWG. NO.	BY
1	6-18-71	A-117	GBL
2	6-18-71	A-164	GBL
3	6-18-71	A-165	GBL
4	7-30-71	A-69	LH
5	12-29-69	A-17	PG

REVISIONS

APPROVED

Chief, Planning Division

DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

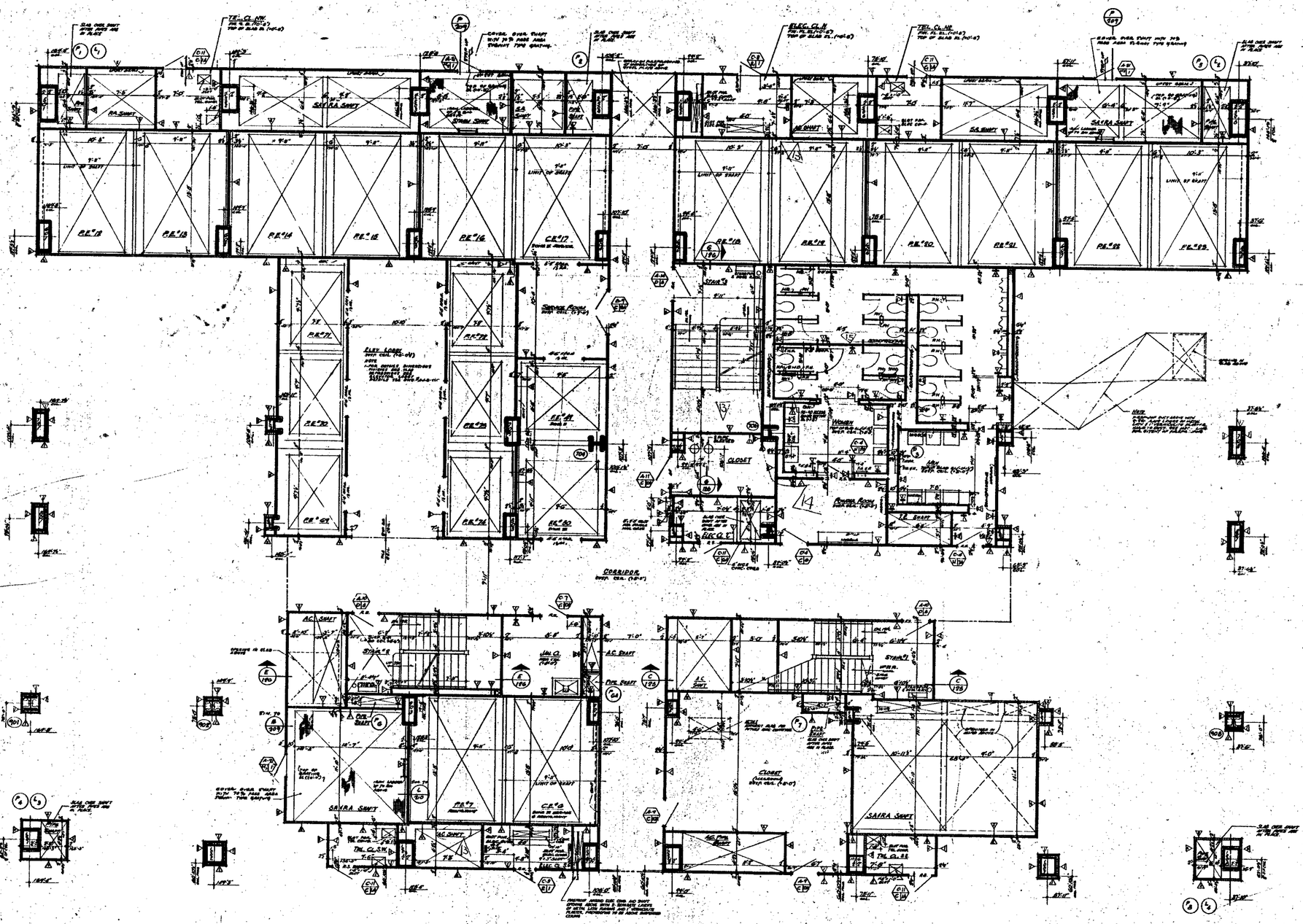
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0"

TITLE: 74TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT DIRECTOR		SHEET	OF
DRAWING NUMBER	A-A-117		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SYMBOLS OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-6.
2. FOR COMPLETE 'A' SERIES FLOOR PLAN SEE DRAWINGS A-A-117.
3. ALL ELEVATIONS GIVEN THUS (10'0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS A-A-B-104 AND A-A-B-105.
6. ALL TRENCH HEADERS TO BE POLISHED ALUMINUM ON UNDERSIDE OF SLAB FOR, 4 INCH, OR 6" WITH 4 GALVANIZED TYPE OF INSULATIONS SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE / ELECTRICAL ENGINEERS / CONTRACTORS APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & FLOOR OPENINGS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (NO'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE JOINT CLOSURES AT ALL MEN AND WOMEN'S TOILETS, ONE OVERHEAD AT EACH LANDING. ACCESS DOORS TO SLAB OVERHEAD MAY NOT BE LOCATED IN ACCORDANCE TILE COVERING. SEE TYPICAL TOILET DETAILS DRAWING A-A-B-104.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, SERVICE ROOMS ETC., BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR BOTTOM CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. GRATES AND PLATFORMS AND ALL SLAB PROJECTIONS OVER 6" (NOMINAL 8" ACTUAL) DIMENSION IN ELEVATOR SHAFTS ALSO SHALL BE CHAMFERED 30° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR PARAPHERNALIA OR PLATE STANDARD CHECKLIST AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-B-00 TO A-A-B-110.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date 2-1-68	
		1-20-70	A-85	LM
		1-30-70	A-87	EC
		5-26-69	A-81	DG
		5-26-69	A-86	DG
		5-26-69	A-11	DG
		5-26-69	A-88	DG
6-18-71	A-114	DG	5-26-69	A-89	DG
6-18-71	A-117	DGL	8-1-68	A-90	DG
6-18-71	A-104	DGL	6-20-68	A-9	DG
5-25-70	A-78	LM	5-26-68	A-9	DG
1-20-70	A-81	LJ	5-15-68		LML

NO.	DATE	REVISIONS	BY
NO.	DATE	REVISIONS	BY

APPROVED: _____ CHIEF, P... HOME DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — EMERY ROTH & SONS
MINORU YAMASAKI, ARCHITECT — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — AMBROSE, RAUM & BOLLERS
STRUCTURAL ENGINEERS — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — THE PORT OF NEW YORK AUTHORITY
ELECTRICAL ENGINEERS — PAVING, SITEFILLS, FOUNDATIONS

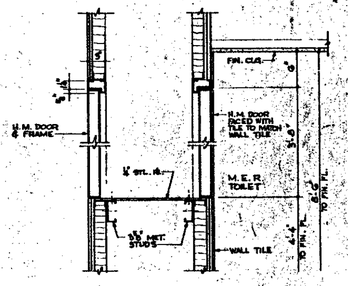
TITLE: 74TH FLOOR CORE PLAN
SCALE: 1/16" = 1'-0" — DATE: 7-8-69
PROJECT DIRECTOR: — SHEET OF
DRAWN: — CHECKED:

A·A·118

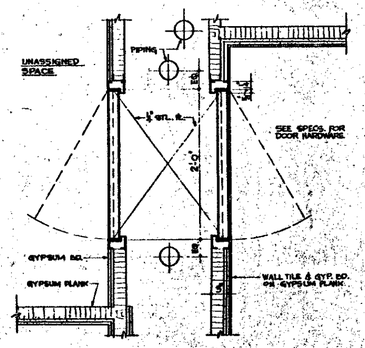
NORTH

NOTES

1. FOR GENERAL NOTES, REF. TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULE AND GLOSSARY OF DRAWINGS SEE DRAWING S-A-A1 TO A-A-6
2. FOR CONCRETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/4" SCALE CORE DRAWING A-A-1.28
3. ALL ELEVATIONS SHOWN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR, PUBLIC TOILET ROOM PLANS AND ELEVATIONS SEE DRAWINGS A-A-2.1 AND A-A-2.2
6. FACTS (FLOOR SURFACE, CEILING) PER 1/4" SCALE FLOOR PLAN
7. WHERE NO DIMENSIONS CHANGE ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL FURRED AND SUSPENDED CEILINGS SHALL BE MAINTAINED AT 8'-0" ABOVE FINISH FLOOR. TO PROVIDE FOR PROPER CEILING INSTALLATION AND CLEARANCE OF ALL LIGHT FIXTURES
8. ELEVATIONS TO TOP OF CONC CURB TO BE (TOP OF) UNLESS OTHERWISE SHOWN OR NOTED.



SECTION



PLAN

DETAILS OF ACCESS DOORS TO UNASSIGNED SPACE

SCALE: 1½" = 1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT + BID			DRAWING dates 2-1-68		
			12-18-71	A-184	DT
			5-13-70	A-175	AM
			1-30-70	A-35	EC
G-4-75	A-69	LJ	1-30-70	A-67	EC
1-3674	A-346	JR	6-13-69	A-28	PG
6	A-379	LJ	6-20-69	A-47	DG
10-8-73	A-346	LJ	6-20-69	A-17	DG
4-12-73	A-316	DG	8-1-68	A-11	AM
6-29-72	A-300	LJ	6-28-68	A-5	PG
6-1-72	A-269	LJ	2-29-68	A-5	DG

NO.	DATE	REVISIONS BULL. NO.	BY

NO.	DATE	REVISIONS BULL. NO.	BY

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

ENERY ROTH & SONS
RICHARD ROTH, ARCHITECT

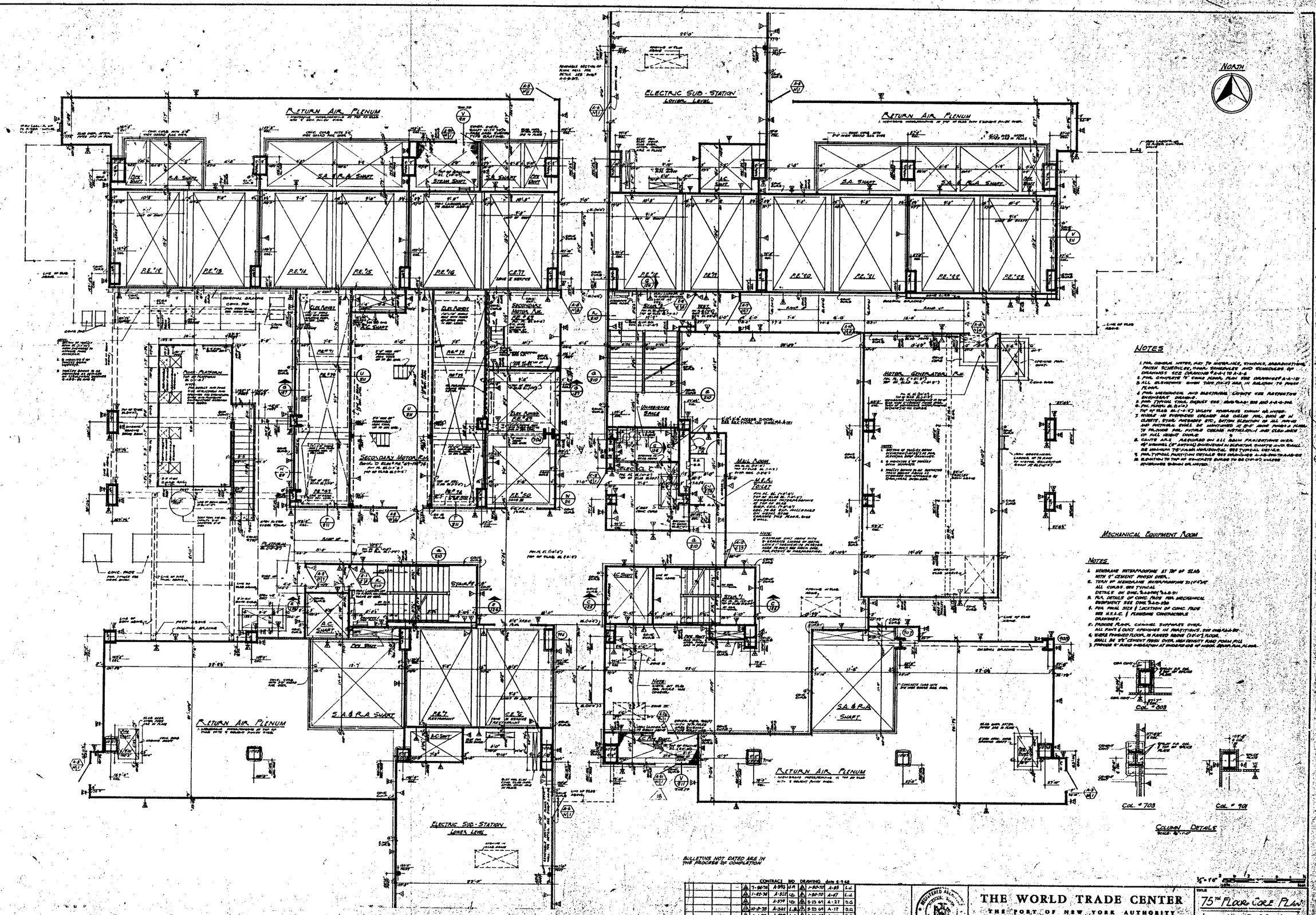
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PARKING, UTILITIES, FOUNDATIONS

TITLE: 75TH FLOOR PLAN
LOWER MECH EQUIP RM LEVEL

DRAWN		CHECKED	
SCALE	1/16"=1'-0"	DATE	7-3-68
PROJECT APPROVED		DATE	
DRAWING APPROVED		DATE	

A-A-121



NOTES

1. FOR GENERAL NOTES, KEY TO ABBREVIATIONS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-6.
2. FOR CONCRETE TO FINISH FLOOR, FLAT SEE DRAWINGS A-A-1.2B
3. ALL ELEVATIONS GIVEN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL TOILET ROOMS SEE DWG. A-A-2.1; A-A-2.2; A-A-2.3 AND A-A-2.4.
6. FOR FLOORS SEE A-A-1.2
7. TOP OF SLAB EL. (-1'-0") UNLESS OTHERWISE SHOWN OR NOTED. THIS SLAB IS DEPRESSED CLEAR AS CALLED FOR, BOTH AT PERIMETER AND AT CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND MATERIAL SHALL BE MAINTAINED AT 8'-0" ABOVE FINISH FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. CANTS A-A-2 MEASURED ON ALL BEAM PROJECTIONS OVER 10" NOMINAL (10" ACTUAL) DIMENSION IN ELEVATION SHAFTS AND SHALL BE AT LEAST 75° FROM HORIZONTAL SEE TYPICAL DETAILS.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-2.1 TO A-A-2.4
10. ELEVATION TO TOP OF CONCRETE CURBS TO BE (-0'-2") UNLESS OTHERWISE SHOWN OR NOTED.

MECHANICAL EQUIPMENT ROOM

NOTES

1. MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 2" CEMENT FINISH OVER.
2. TURN UP MEMBRANE WATERPROOFING TO (+0'-4") ALL CURBS, SEE TYPICAL DETAILS ON DWG. A-A-2.1; A-A-2.2
3. FOR DETAILS OF CONC. PADS FOR MECHANICAL EQUIPMENT SEE DWG. A-A-2.2
4. FOR FINAL SIZE & LOCATION OF CONC. PADS SEE M.E.P.C. & PLUMBING CONTRACTOR'S DRAWINGS.
5. PROVIDE FLOOR CHANNEL SUPPORTS OVER ALL FLOOR & CEILING OPENINGS IN PARTITIONS SEE DWG. A-A-2.1
6. SLABS FINISHED FLOOR IS RAISED 8" (-0'-8") FLOOR SHALL BE 2½" CEMENT FINISH OVER, HIGH DENSITY RIGID FOAM FILL
7. PROVIDE 6" RIGID INSULATION AT EXPOSED SIDES OF FLOOR SLAB AT PERIMETER

COLUMN DETAILS
SCALE: ½"=1'-0"

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING date 5-1-68
1-96-70 A-96	J.R.	1-80-70 A-85 L.L.
1-82-70 A-82	L.L.	1-80-70 A-87 L.L.
A-87	L.L.	5-15-69 A-27 D.G.
10-2-70 A-241	L.L.	5-25-69 A-17 D.G.
6-1-71 A-269	L.L.	5-25-69 A-25 D.G.
6-3-71 A-264	D.T.	8-1-68 A-11 M.M.
6-18-71 A-268	D.T.	8-1-68 A-10 D.G.
3-5-70 A-65	A.M.	5-22-68 A-5 D.G.
3-5-70 A-75	A.M.	6-22-68 A-9 D.G.
1-80-70 A-81	L.L.	5-15-68 V.L.
4-4-72 A-419 L.L.		

REVISIONS — DATE — SUB. NO. — BY

APPROVED: CHIEF, PLANNING DIVISION — DATE

REGISTERED ARCHITECT — STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

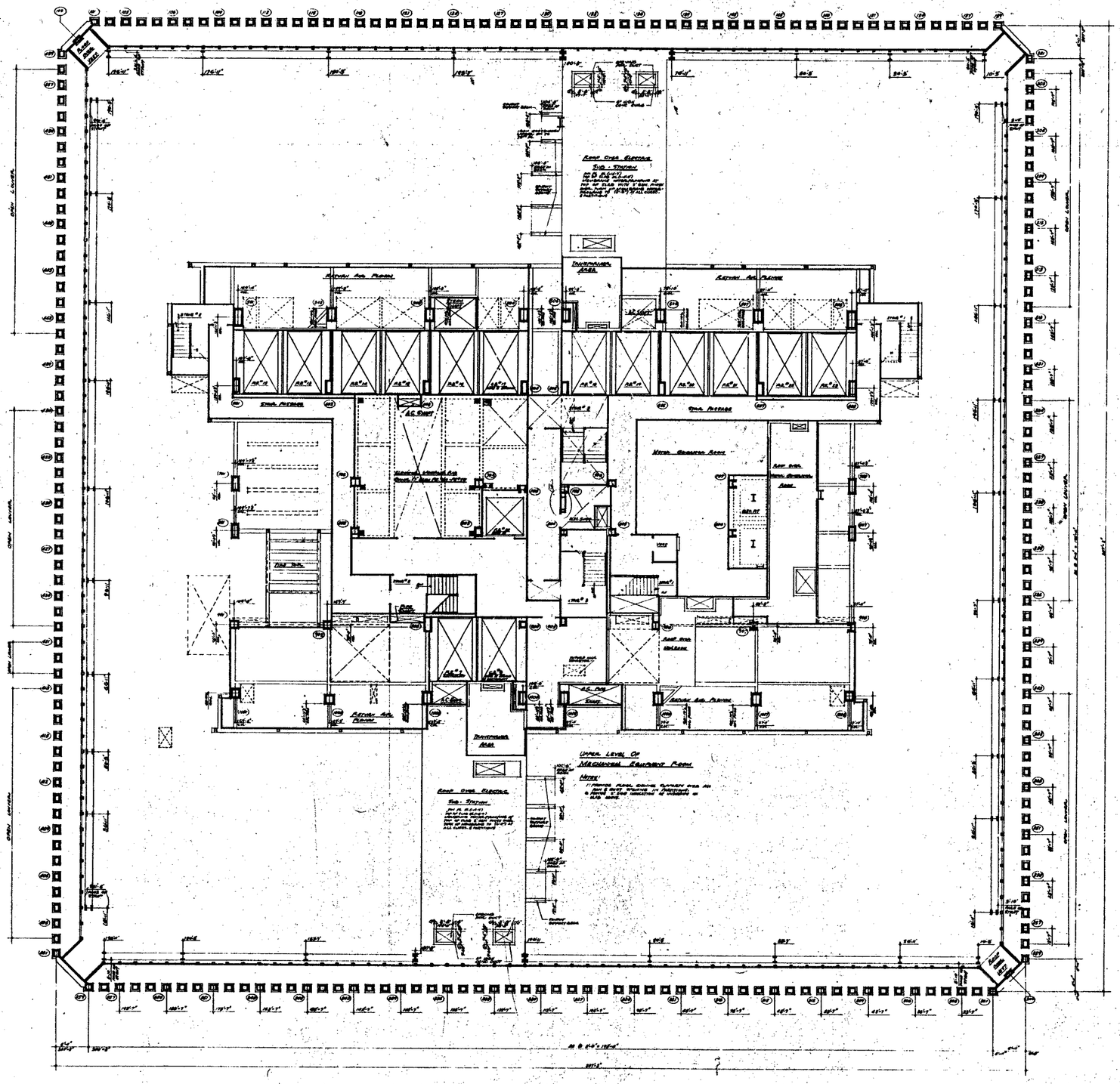
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PATHS, UTILITIES, FOUNDATIONS

TITLE: 75TH FLOOR CORE PLAN
LOWER MECH. EQUIP. RM. LEVEL

SQUARES	1/8"	CHECKED	
SCALE	1/16"	DATE	7-31-68
PROJECT		SHEET	
DRAWN			

A-A-122


NORTH
Roof Over Electric Sub-Station
Transformer Area
Upper Level Of Mechanical Equipment Room
Notes:
Stair Passage
Elev. Machine Room
Elev. Machine Room Addn.
A.C. Duct
A.C. Unit
Toilet Rm.
Vent
Roof Over Addn.
Transformer Addn.
Roof Over Electric Sub-Station
Elev. Machine Addn.
Elev. Machine Room
Roof Over Elev. Machine Room
Roof Over Addn.
Roof Over Elev. Machine Addn.

ROOF OVER ELECTRIC SUB-STATION

RETURN AIR PLENUM

TRANSFORMER AREA

STEAM SHAFT

STAIR 2

STAIR PASSAGE

A.C. SHAFT

ELEVATOR MACHINE RM.

CORRIDOR

STAIR 4

STAIR 4A

MOTOR GENERATOR RM.

ROOF OVER MOTOR GENERATOR RM.

ELEV. PIT

STAIR 5

A.C. PIPE SHAFT

ROOF OVER MAIN RM.

RETURN AIR PLENUM

TRANSFORMER AREA

ROOF OVER ELECTRIC SUB-STATION

NORTH

NOTES:

1. FOR GENERAL NOTES KEY TO MATERIALS SYMBOLS, ABBREVIATION, FINISH SCHEDULE, DOOR SCHEDULES AND SYMBOLOGY OF DRAWINGS SEE DRAWING # A-A-1 TO A-A-5
2. FOR COMPLETE 'U' SHAPE FLOOR PLAN SEE DRAWING # A-A-125
3. ALL ELEVATION SHOWN THUS (W-0") ARE TAKEN IN RELATION TO FINISHED 76TH FL.
4. FOR MECHANICAL AND ELECTRICAL CAPACITY, SIZE, ALTERATION SEE ENGINEER'S DRAWINGS.
5. ALL SUSPENDED CEILING ELEVATIONS ARE TAKEN IN RELATION TO FINISHED 76TH FL.
6. FOR TYPICAL STAIR DETAILS SEE DWG. # A-A-206 AND A-A-208.
7. HANDLE AND SUSPENDED CEILINGS ARE CALLED FOR, BOTH AS IN CORRIDOR, SOUND PARTITIONS ETC. BOTTOM ELEVATION OF ALL BEAMS AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL LIGHT DOWNS.
8. CANTS ARE REQUIRED ON ALL BEAM PENETRATIONS OVER 6" NOMINAL (4" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 70° FROM HORIZONTAL. SEE TYPICAL DETAILS.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A5-206 TO A-A5-215.

UPPER PART OF MECHANICAL EQUIPMENT ROOM

NOTES:

1. FINISH FLOOR, CONCRETE SUPPORTS PER.
2. ALL AIR / DUCT OPENINGS AT PARTITIONS SEE DWG. A-A5-212
3. FLOORS 2" CLEAR ABOVE/BELOW TOP OF SLAB ABOVE.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING NO. A-A-124

NO.	DATE	BUL. NO.	BY
6	6-8-70	A-69	LM
5	10-8-70	A-501	LB
4	9-10-70	A-404	DT
3	11-6-70	A-107	LM

REVISIONS

NO.	DATE	BUL. NO.	BY
3	5-15-70	A-89	LM
2	1-30-70	A-47	E.C.
1	5-23-69	A-27	Illegible
0	5-23-69	A-17	Illegible
0	5-23-69	A-23	Illegible
0	11-1-68	A-11	REL
0	8-1-68	A-10	REL
0	6-28-68	A-6	REL
0	4-19-68	A-5	REL
0	8-15-68	2VL1	

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

YAGER, RAUH & BOLLER
MECHANICAL ENGINEERS

JOSEPH R. LORINE & ASSOCIATES
ELECTRICAL ENGINEERS

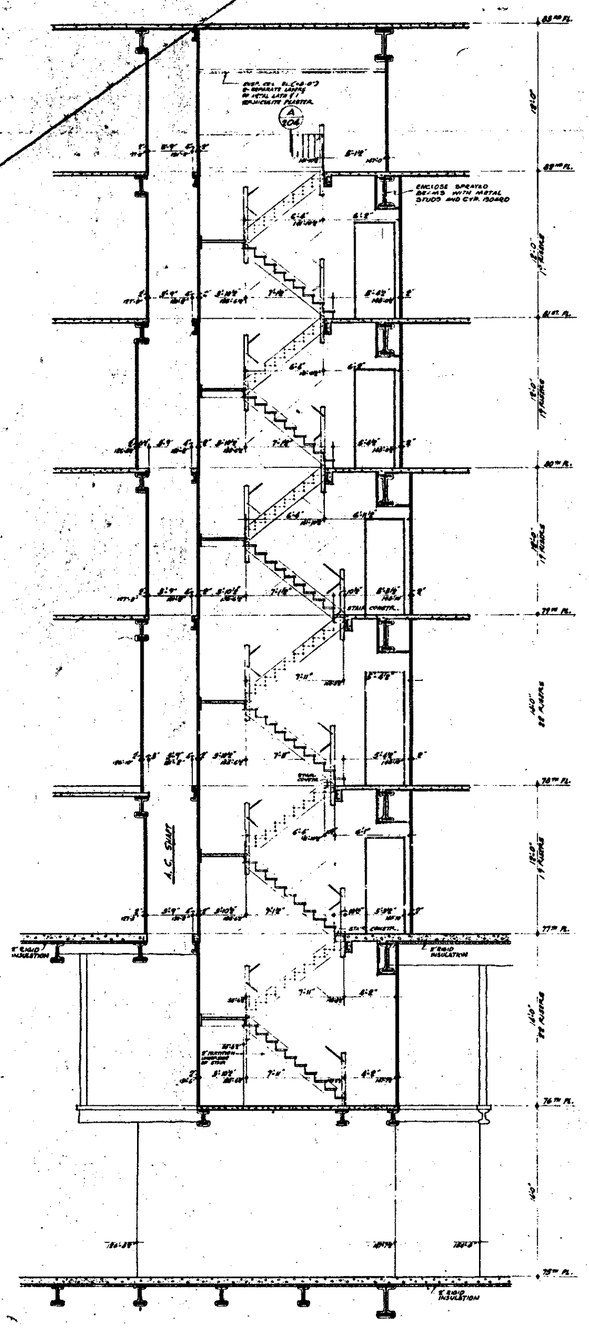
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 76TH FLOOR CORE PLAN
UPPER MECH EQUIP RM LEVEL

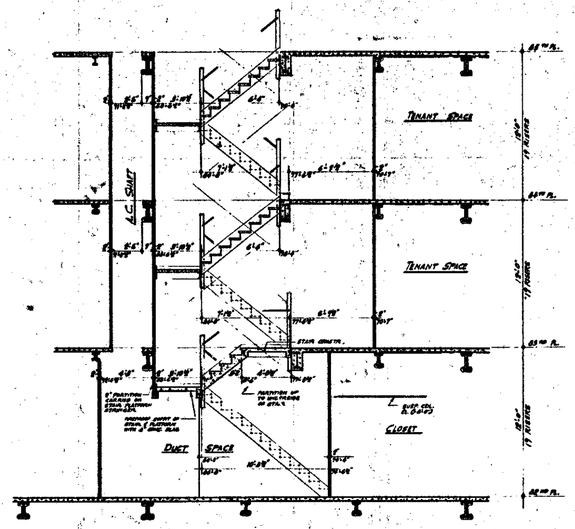
SCALE: 1/8" = 1'-0"

DATE: 7-21-67

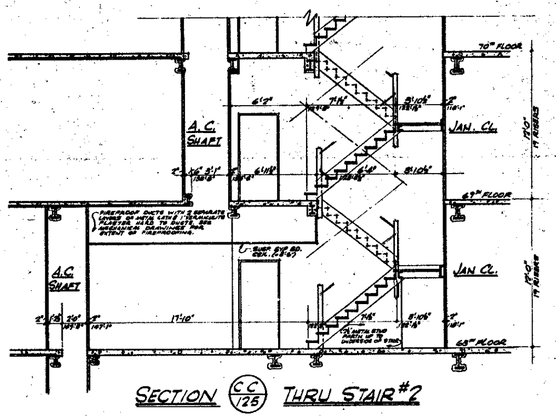
DRAWING NO. A-A-124



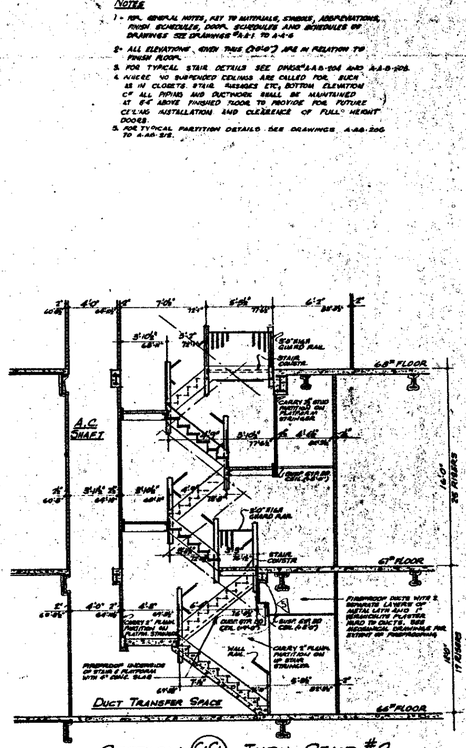
SECTION (A/125) THRU STAIR #1



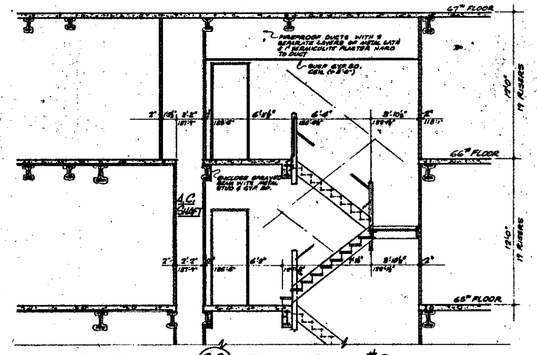
SECTION (B/125) THRU STAIR #1



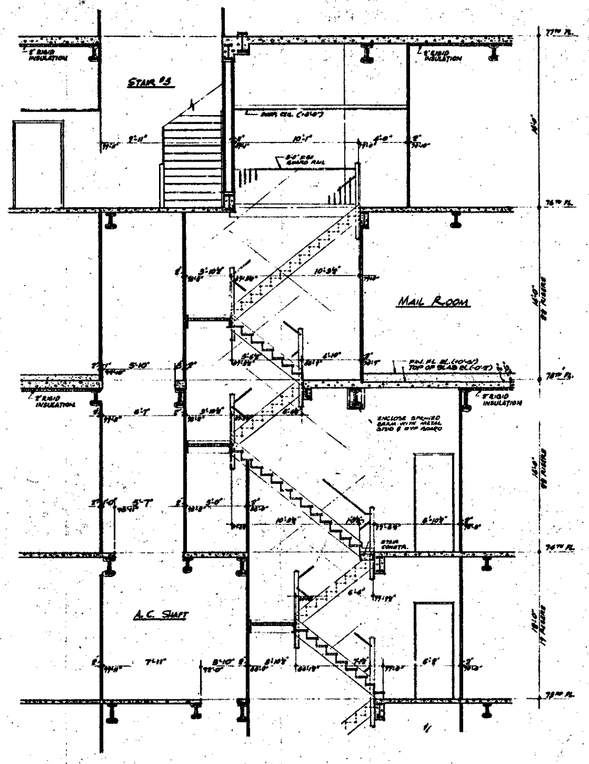
SECTION (CC/125) THRU STAIR #2



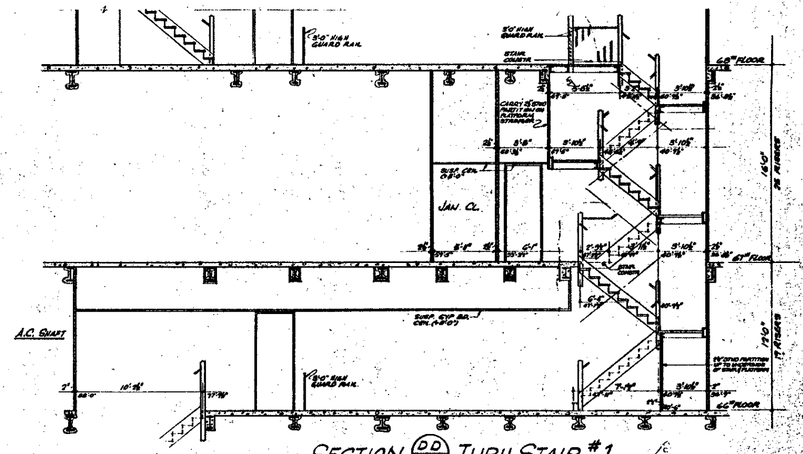
SECTION (C.C.1/125) THRU STAIR #2



SECTION (CC/125) THRU STAIR #2



SECTION (C/125) THRU STAIR #1



SECTION (DD/125) THRU STAIR #1

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.4
2. ALL ELEVATIONS, WHEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.
3. FOR TYPICAL STAIR DETAILS SEE DWGS. A-A.B.-104 AND A-A.B.-105.
4. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, TRESSURES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
5. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A.B.-206 TO A-A.B.-215.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING Rev. 8-1-68

NO.	DATE	SUB. NO.	BY
3	5-13-70	A-74	A.H.
2	1-30-70	A-64	E.C.
1	5-11-69	A-17	D.G.
3	4-29-68	A-9	D.G.
2	4-29-68	A-8	D.G.

REVISIONS

NO.	DATE	SUB. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

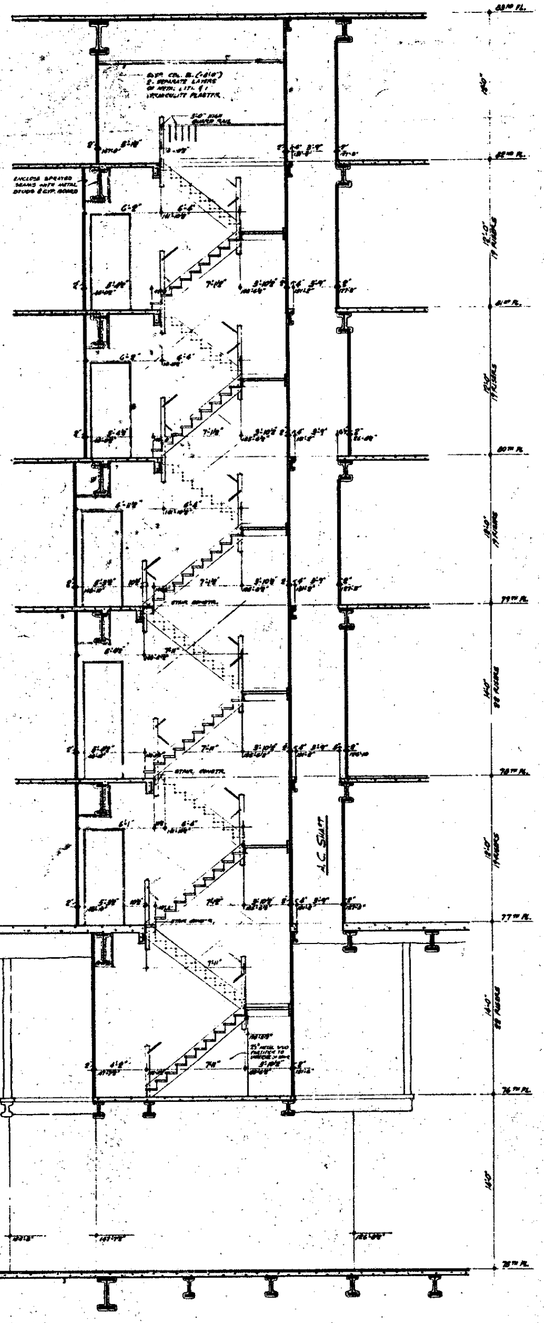
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: STAIR SECTIONS
STAIR #1 & #2

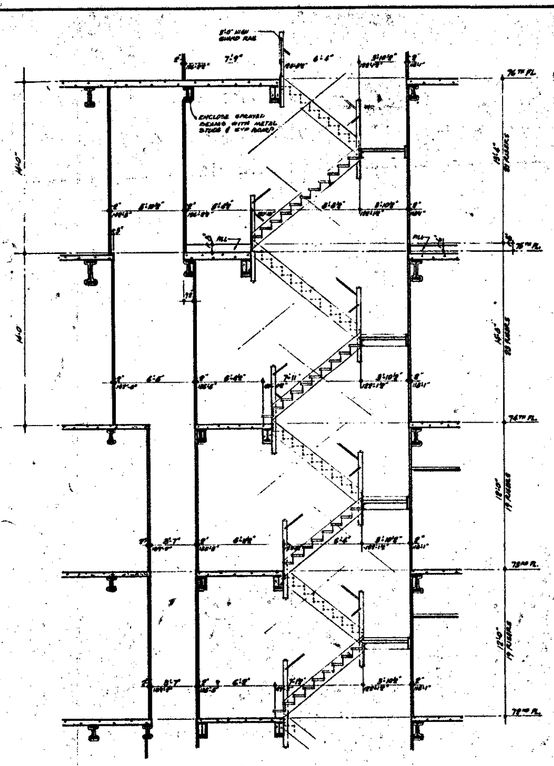
1/8" = 1'-0"

DRAWN | CHECKED
SCALE: 1/8"=1'-0" | DATE: 7-30-69
PROJECT NO. | SHEET NO.

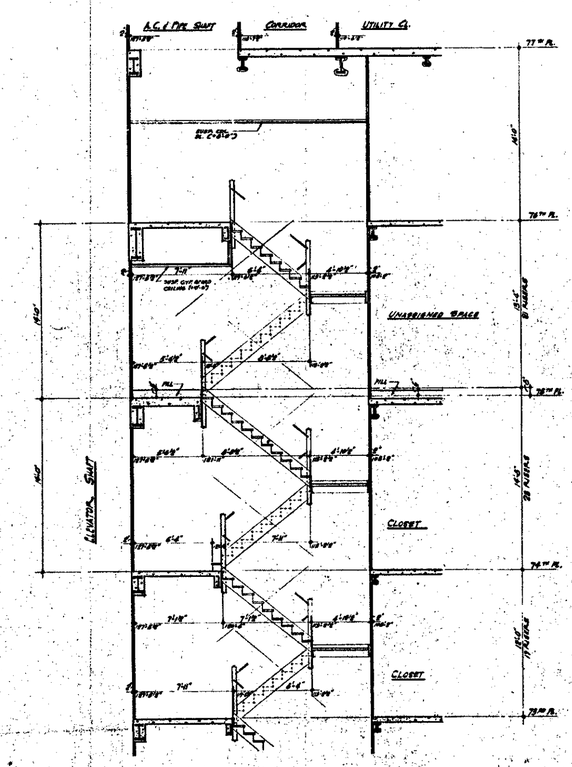
A·A·125



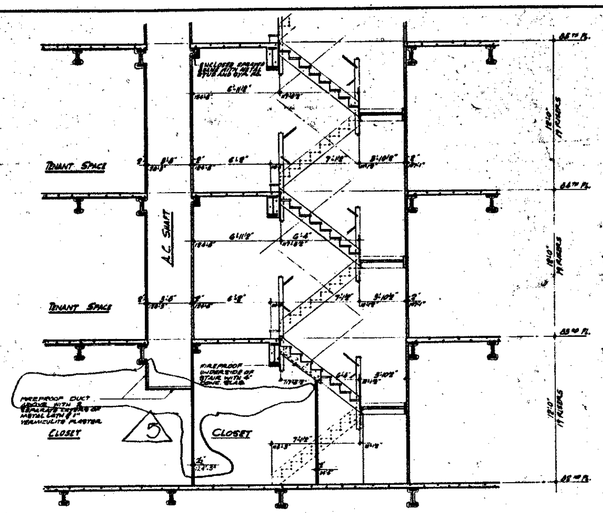
SECTION (D/126) THRU STAIR #2



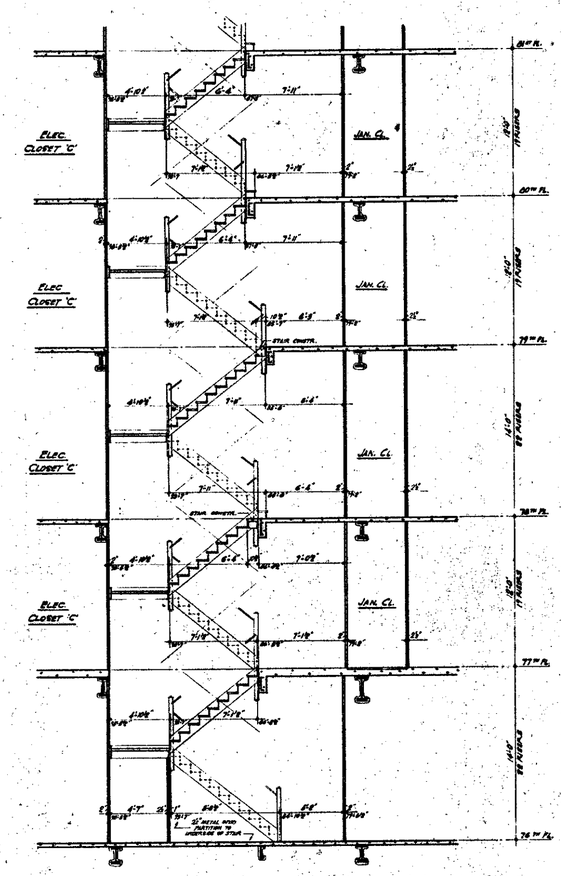
SECTION (E/126) THRU STAIR #2



SECTION (G/126) THRU STAIR #3



SECTION (F/126) THRU STAIR #2



SECTION (H/126) THRU STAIR #3

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS #A-0.1 TO A-0.5
2. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOORS.
3. FOR TYPICAL STAIR DETAILS SEE DWG #A-0.04 AND A-0.05
4. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS AT CLOSETS, STAIR LANDINGS ETC., BOTTOM ELEVATION OF ALL FURRING AND SUBSTRUCTURE SHALL BE MAINTAINED AT 9'-0" ABOVE FINISHED FLOOR, TO ALLOWED FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
5. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER TWO NOMINAL (8" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MAINTAINED 30° FROM HORIZONTAL. SEE TYPICAL DETAILS -.
6. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A6.206 TO A-A6.212.

BUILDINGS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 8-1-68

NO.	DATE	REVISIONS	BY
1	8-1-71	A-125	ELEVS
2	1-30-70	A-33	L.H.
3	6-23-69	A-17	STAIRS
4	8-1-68	A-10	DIG.
5	6-28-68	A-5	DIG.

NO.	DATE	REVISIONS	BY

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

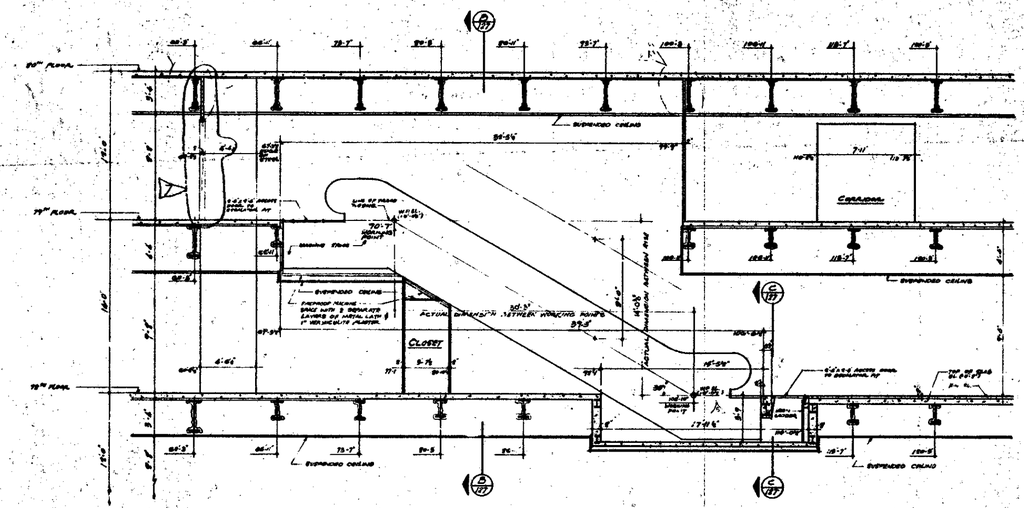
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

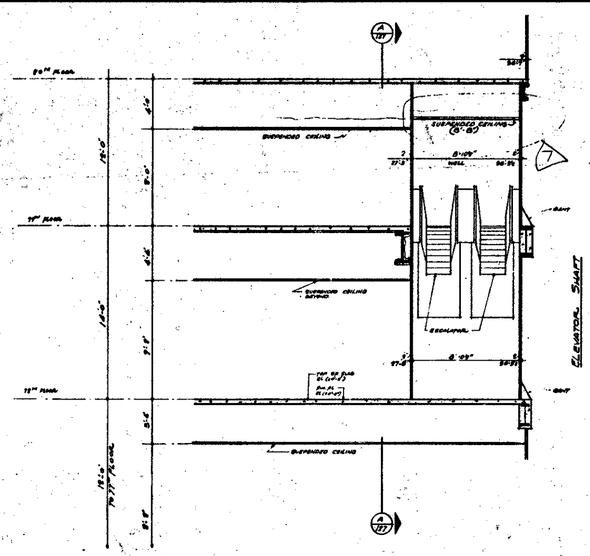
TITLE: STAIR SECTIONS
STAIR #2 & #3

DRAWN		CHECKED	
SCALE	1/4"=1'-0"	DATE	7-31-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-A-126		

1/4"=1'-0"



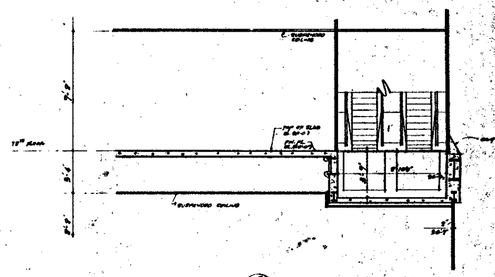
SECTION (A/127) THRU ESCALATOR A-9 & A-10



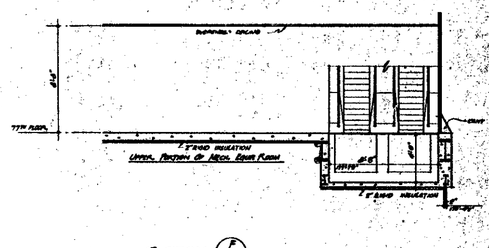
SECTION (B/127)

NOTES:

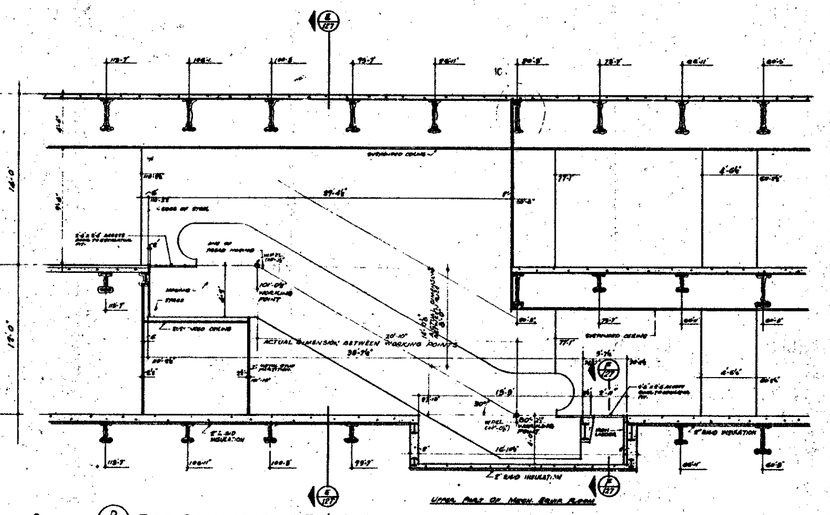
1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISHES, ABBREVIATIONS, PAINT SCHEDULES, SYMBOLS, SCHEDULES, AND SUBJECTS OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.5.
2. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISHED FLOORS.
3. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE APPROVED SHOP DRAWINGS OR AS OTHERWISE SHOWN OR NOTED.
4. FINISH FLOOR ELEVATION AND TOP OF FLOOR ELEVATIONS FOR DEPRESSED SLABS ARE SHOWN THUS: (0'-0") DEPRESS SLAB.
5. WHERE AN SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, SOILS, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL LIGHT FIXTURES.
6. FOR ADDITIONAL DETAILS AND SECTIONS OF ESCALATORS SEE DWG. A-4-226.
7. CURBS ARE 6" HIGH AT ALL DOOR OPENINGS EXCEPT AT ELEVATOR SHAFTS AND SHALL BE MAINTAINED 3/8" FROM HORIZONTAL SEE TYPICAL DETAILS.
8. FOR ESCALATOR DETAILS, FINISHES, AND ADDITIONAL SECTIONS SEE DWG. A-4.8-226.
9. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A.8-206 TO A-A.8-215.



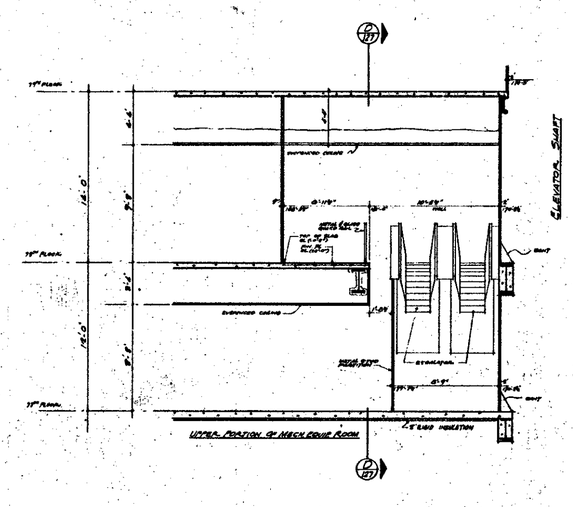
SECTION (C/127)



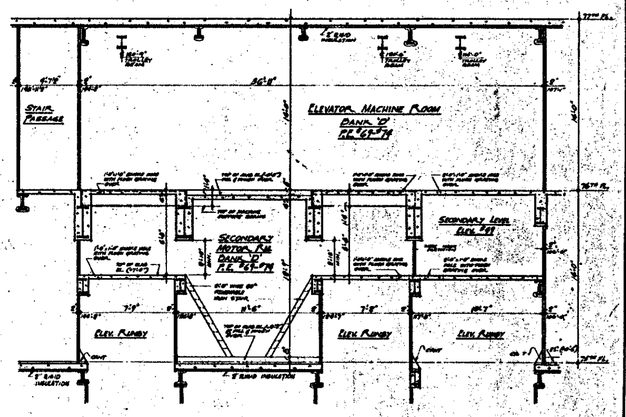
SECTION (F/127)



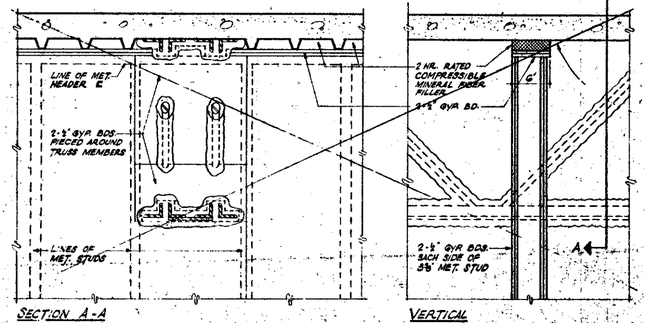
SECTION (D/127) THRU ESCALATOR A-7 & A-8



SECTION (E/127)



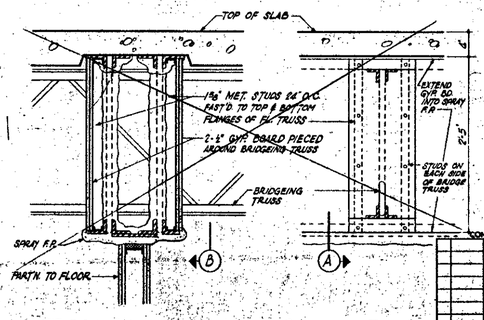
SECTION (G/127) THRU ELEVATOR MACHINE ROOM



SECTION A-A
SCALE: 1½"=1'-0"

VERTICAL

DETAILS (H/127) OF TWO HOUR PARTITION AT TRUSS PENETRATION



TYPICAL TRUSS SECTION A

BRIDGEING TRUSS SECTION B

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BUL. NO.	BY
A			L.J.
A	3-19-74	A-399	L.J.
A	7-17-73	A-345	L.J.
A		A-1064	L.C.
A	6-18-71	A-1064	D.P.
A	1-30-70	A-49	L.J.
A	5-23-69	A-17	[illegible]
A	5-23-69	A-23	[illegible]
A	8-7-68	A-10	[illegible]
A	6-20-68	A-8	D.G.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

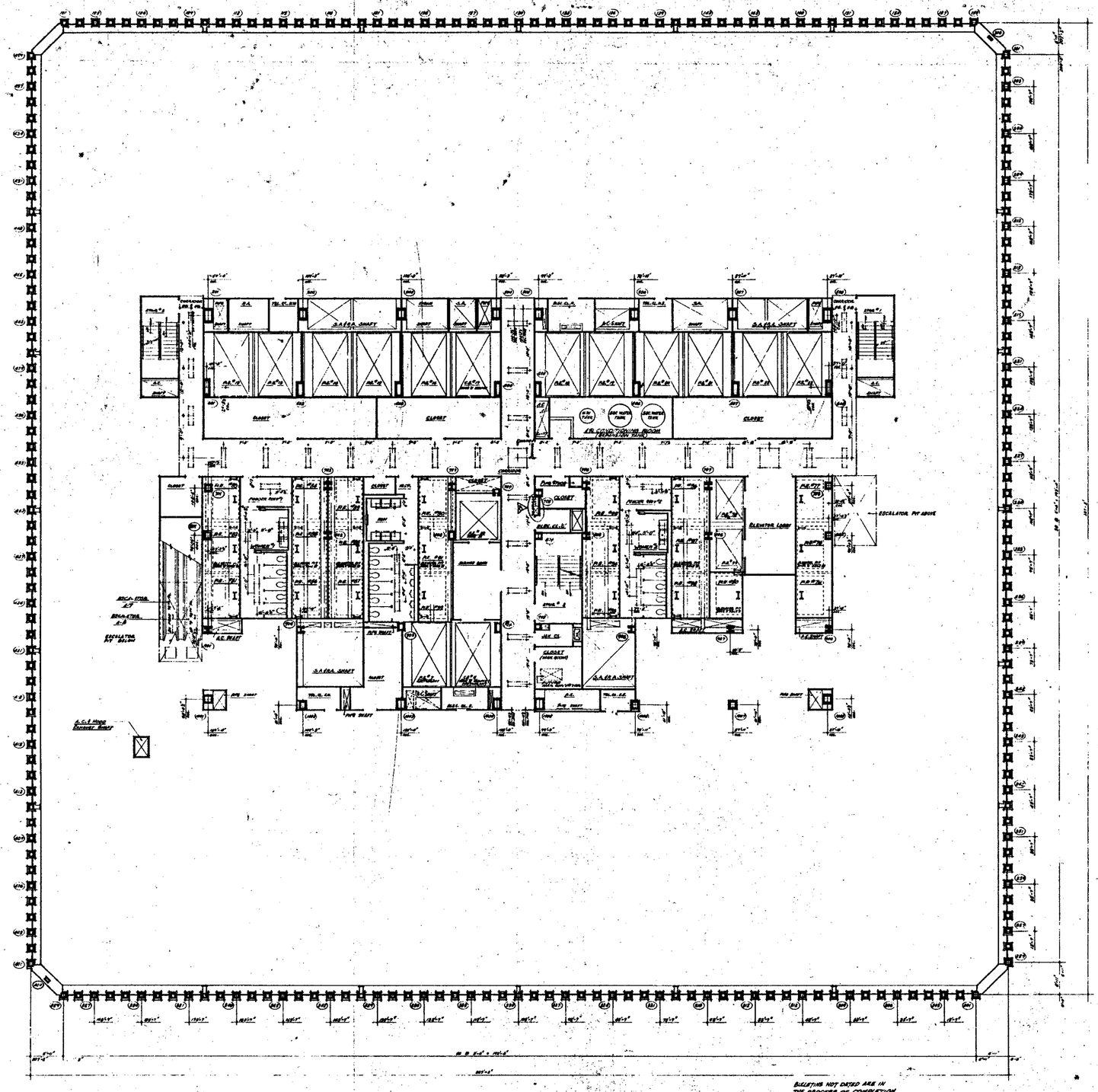
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ELEVATOR MACHINE ROOM & ESCALATOR SECTIONS
DRAWING NO. & SUBJECT: ESCALATORS A-7, A-8, A-9, A-10

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT MANAGER		SHEET	OF
DRAWING NUMBER	A-A-127		



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND, SCHEDULE OF BEARINGS SEE DRAWINGS A-1-1 TO A-1-5.
2. FOR COMPLETE ARRANGEMENT AND NOTES IN ONE AREA SEE 1/8" SCALE CASE DRAWING A-A-127.
3. ALL ELEVATIONS GIVEN THUS (+ 0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE PRE-PLOTTED AT UNDERSIDE OF SLAB FOR LOCATIONS SEE ARCHITECTURAL DRAWINGS AND ELECTRICAL DETAILS.
6. PARTITIONS ARE TRUE LAYOUT LINES AT FINISH FACE OF WALL.
7. FINISH FLOOR ELEVATIONS ARE TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILING IS CALLED FOR, SOFFIT IN ELEVATOR, STAIR, PASSAGE, ETC. BOTTOM OF S.S. BEAMS AND DUCTWORK SHALL BE MAINTAINED 2'-8" ABOVE FINISHED FLOOR. SEE SECTION FOR PERIMETER VENTILATION AND CEILING HEIGHT OF FULL HEIGHT ROOMS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 2-2-68

NO.	DATE	SUB. NO.	BY
1	6-4-75	A-419	L.J.
2	6-19-71	A-464	D.T.
3	11-6-70	A-387	L.J.
4	2-18-70	A-88	L.J.
5	1-30-70	A-88	A.B.
6	5-23-69	A-19	D.L.
7	5-19-69	A-8	D.G.
8	2-18-68		L.W.L.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0"

TITLE: 77TH FLOOR PLAN
LOWER ESCALATOR LEVEL

DRAWN | CHECKED
SCALE: 1/8"=1'-0" | DATE: 7-31-67
PROJECT APPROVED | SHEET OF
RECOMMENDED

A-A-128

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, HATCHES, ABBREVIATIONS, PAPER SCHEDULES AND SYMBOLS OF DRAWINGS SEE DRAWING # A-A-1 TO A-A-5.
2. FOR LOCATION OF GRADE PLANS, PLAN SEE DWG. A-A-150.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO WATER PLANE.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESTRICTIVE EMBRIDAL DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A-A-104 AND A-A-105.
6. ALL FRAMED OPENINGS TO BE RELAMBOARDED AT PERIMETER SIDE OR REAL MAS. 1 INCH OR 2'-0" WITH 1 SPLAY-ON TYPE OF MATERIAL SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE & ELECTRICAL ENGINEERS & CONTRACTORS APPLIED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADERS & RACEWAYS.
7. FINISH FLOOR, ELEVATION AND TOP OF SLAB ELEVATION ARE (SAME) UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE FIRE EXTINGUISHERS AT ALL MEN AND WOMEN'S TOILETS. GIVE EXTINGUISHER AT EACH JANITOR'S CLOSET. SEE DWG. A-A-105 FOR TYPE & LOCATION IN ACCORDANCE WITH THE CODE. SEE TYPICAL DETAILS ON DWG. A-A-101.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN TOILETS, STAIRS, MECH. SHAFTS ETC., BOTTOM ELEVATION OF ALL FURRING AND PARTITION WALL TO BE MINIMUM OF 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSULATION AND CLEARANCE OF ALL METAL DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS [illegible]
11. GRATE AREA PROVIDED ON ALL AREA PAILSHAVE OVER 48" MINIMUM CLEARANCE TO ADJACENT OBJECTS AND SHALL BE MAXIMUM 70% OPEN AREA.
12. FOR PREFABRICATION OF PIPES STRAPS, HANGERS AND TYPICAL PIPING DETAILS SEE DRAWINGS A-BA-506 TO A-BA-510.

CORRIDOR

A.C. SHAFT

A.C. & HOOD EXHAUST SHAFT

ESCALATOR A-1

ESCALATOR A-2

ESCALATOR TO BELOW

COLUMN DETAILS

BULLETINS NOT DATED LIKE IN THE PROGRESS OF COMPLETION

CONTRACT BID DRAWING date 9-1-66

				1-30-70	A-B	A-3
				1-30-70	A-66	L-4
				1-30-70	A-67	EC
4	9-4-75	A-619	LJ	5-25-69	A-16	DL
3	6-18-71	A-1164	DT	9-15-69	A-26	DL
2	6-18-71	A-1165	DT	5-25-69	A-17	DL
1	9-4-70	A-103	LJ	5-26-69	A-25	DL
	10-6-70	A-107	LJ	5-26-69	A-25	DL
3	11-4-70	A-108	LJ	5-1-70	A-10	DG
2	3-19-70	A-97	LJ	4-24-68	A-15	DG
1	3-19-70	A-75	LJ	5-15-68		DG
NO.	DATE	BY	NO.	DATE	BY	

REVISIONS

REVISIONS

REGISTERED ARCHITECT

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

KAHN & JACOBS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, MCKIE & JACKSON
STRUCTURAL ENGINEERS

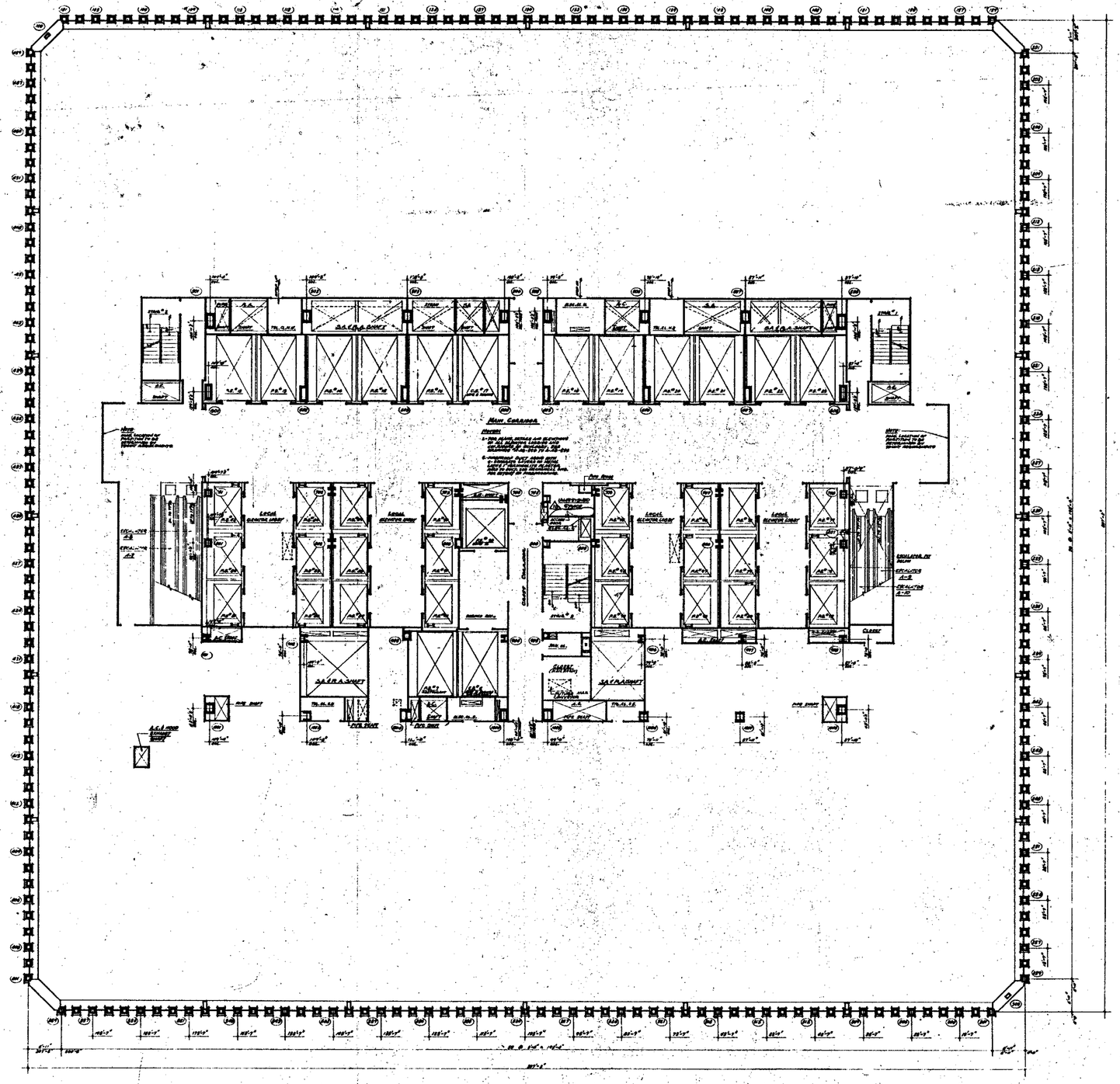
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 77TH FLOOR CORE PLAN
LOWER REGULATOR LEVEL

DRAWN		CHECKED	
SCALE	1/16" = 1'-0"	DATE	7-31-67
PROJECT ENGINEER		SHEET	OF
DEPUTY CHIEF ENGINEER		A-A-129	


NORTH
MAIN CORRIDOR
LOCAL ELEVATOR LOBBY
LOCAL ELEVATOR LOBBY
LOCAL ELEVATOR LOBBY
LOCAL ELEVATOR LOBBY
EXPRESS ELEVATOR LOBBY
EXPRESS ELEVATOR LOBBY
EXPRESS ELEVATOR LOBBY
EXPRESS ELEVATOR LOBBY
SKY LOBBY
SKY LOBBY
SKY

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS AND REFERENCE DATA, MATERIALS AND SCHEDULES OF EQUIPMENT, SEE DRAWING A-0.01 TO A-0.03
2. FOR COMPLETE 8" SCALE ROOM PLAN SEE DRAWING A-0.100.
3. ALL ELEVATIONS SHOWN THUS (EL+0") ARE IN RELATION TO MEAN DATUM.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE PERSPECTIVE DIAGRAMS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-0.04 & A-0.05.
6. ALL TRENCH HEADERS TO BE PREFABRICATED UNDERSIDE OF SLAB FOR A SMOOTH OR "FLAT" TYPE A SLAB OR PATTERN OF "RIB" TYPE B SLAB. SEE ARCHITECTURAL SPECIFICATIONS AND TYPE B ELECTRICAL ENGINEER'S SPECIFICATIONS FOR CONDUIT SIZES AND FOR LOCATION & EXTENT OF TRENCH HEADERS & PREFABRICATION.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE GIVEN UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE FOUR DISPENSERS AT ALL MEN AND WOMENS TOILETS ONE A DISPENSER OVER EACH LAVATORY, SEE TYPICAL TOILET DETAILS. SHEETS A-0.04 AND A-0.05 FOR SIZE AND LOCATION.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIRS, MECHANICAL ETC., ROUGH ELEVATIONS OF ALL PIPING AND SUBSTRUCTURE SHALL BE COORDINATED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING. SEE ALSO SECTIONS OF FLOOR FOR HEIGHT USAGE.
10. SEE ALSO NOTES ON ALL BEAM PENETRATIONS, SLAB OPENINGS, PIPE SLEEVES, ETC. SHEET A-0.01 NOTE 10 SHALL BE COMPLIED WITH BY ALL TRADES. SEE TYPICAL DETAILS.

MAIN CORRIDOR

NOTES:

1. FOR MAIN, REMOTE AND ELEVATIONS OF ALL ELEVATOR LOBBIES AND CORRIDORS SEE SECTIONS, AND DRAWINGS A-0.100 TO A-0.400
2. FOR DUCT WORK WITH ELEVATIONS SEE DRAWINGS A-0.100 TO A-0.400

CONTRACT NO DRAWING date 5-1-68

NO.	DATE	BULL. NO.	BY	REVISIONS
6	6-8-71	A-501	LJA	
5	1-7-71	A-507	LJA	
4	12-7-7	A 800	LJA	
3	6-8-71	A-166	DT	
2	6-8-71	A-166	DT	
1	4-1-71	A-165		

NO.	DATE	BULL. NO.	BY	REVISIONS
11	6-7-70	-108	LJA	
10	11-6-70	A-167	LJA	
9	5-15-70	A-159	AJA	
8	5-5-70	A-75	AJA	
7	1-30-70	A-67	LJA	
6	8-26-69	A-26	LJA	
5	8-25-69	A-19	LJA	
4	8-22-69	A-89	LJA	
3	8-1-69	A-40	LJA	
2	6-24-69	-105	LJA	
1	6-6-69	-104	LJA	

REGISTERED ARCHITECT — RICHARD ROTH — STATE OF NEW YORK

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PLANNING, UTILITIES, FOUNDATIONS

TITLE: 78th Floor Core Plan

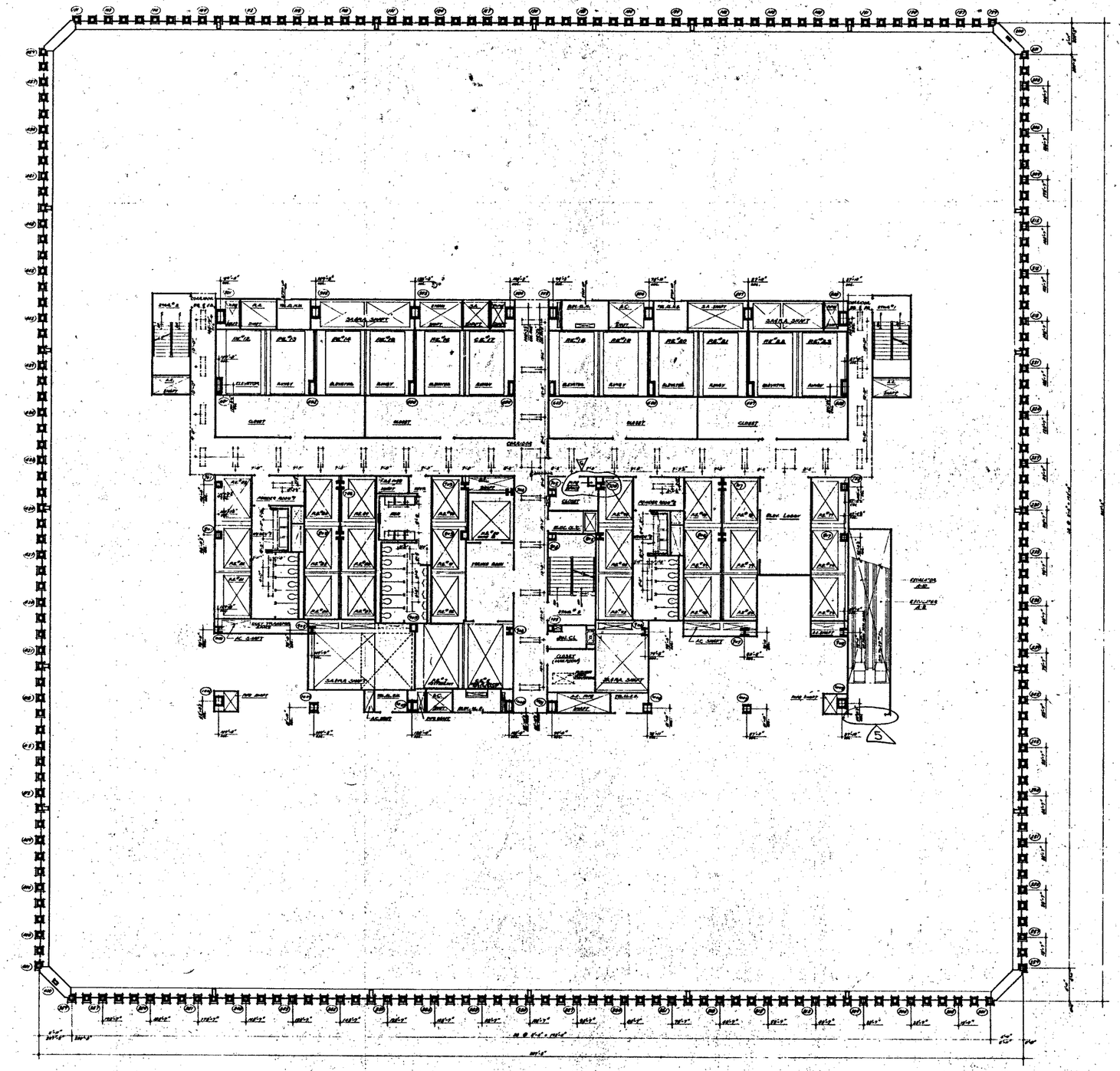
SCALE: 1/16" = 1'-0"

DRAWN | CHECKED

SCALE | DATE

PROJECT | SHEET

DRAWING NO. A-A-171



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, PERMIT NUMBERS, ETC., SEE DRAWING A-001 BUREAUS OF BUILDINGS, SEE DRAWINGS A-1.01 TO A-1.04
2. FOR DEMOLITION DRAWINGS AND NOTES SEE DRAWINGS A-2.01 TO A-2.05
3. ALL DIMENSIONS ARE TO FACE OF STUD OR MASONRY UNLESS OTHERWISE NOTED.
4. FOR ARCHITECTURAL AND MECHANICAL LEGENDS AND ABBREVIATIONS SEE DRAWING A-001
5. ALL TRENCH HEADERS TO BE PREPARED AT DIRECTIONS OF ELEC. FOR A WIDTH OF 2'-0" WITH A SPLASH-IN TYPE PARTITIONING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND SIZE ENCLOSURE & CONTRACTOR'S APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADER AND PARTITIONING.
6. CONTRACTOR TO LAY OUT LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATIONS AND TOP OF HEAD ELEVATIONS ARE FLOOR UNLESS OTHERWISE NOTED. ALL FINISH FLOOR ELEVATIONS ARE SHOWN AT CENTERLINE OF DOORS UNLESS NOTED OTHERWISE. CEILINGS ARE CALLED OUT EXACTLY AS SHOWN ON ELEVATIONS, SPECIAL DRAWINGS WILL NOT BE ISSUED FOR ALL CEILINGS AND DOORWAYS SHALL BE MEASURED AT 84" ABOVE FINISHED FLOOR, NO ALLOWANCE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS
8. EXTENT OF PUBLIC CIRCULATION AREAS IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING SCALE 1:1/16

NO.	DATE	SUBJECT	BY
1	6-1-71	A-103	L.L.
2		A-104	L.C.
3	6-18-71	A-104	D.T.
4	6-18-71	A-104	D.T.
5	1-10-72	A-53	F.L.
6	5-15-74	A-17	[illegible]

REVISIONS

REGISTERED ARCHITECT

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" scale

TITLE: 79TH FLOOR PLAN
UPPER ESCALATOR LEVEL

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	11-30-70
PROJECT NO.		SHEET	OF
CONTRACT NUMBER			

A-A-132

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, CODES, SCHEDULES AND SCHEDULES OF DRAWINGS SEE A1.1a TO A1.1e.
2. FOR CONCRETE 81' SOLID FLOOR PLAN SEE DRAWING # A2.2-102.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. A3.3-104 AND A3.3-105.
6. ALL TRENCHES BACKFILLED TO BE PROTECTED AT UNCOMPACTED FILL FOR A DISTANCE OF 2'-0" WITH A GRAVEL OR TYPE 2 BASE COURSE. FOR ADDITIONAL CONDITIONS FOR TYPE AND CLASS, AMOUNT & CONTINUITY APPROVED FROM TIMES FOR LOCATION & EXTENT OF TRENCH BACKFILL AND PAVEMENTING.
7. FINISH FLOOR, ELEVATION AND TOP OF SLAB ELEVATIONS ARE GIVEN TO NEAREST 1/100TH OF A METER.
8. PROVIDE SOUND ENCLOSURES AT ALL PAY PHONE BOOTHS. THE ENCLOSURE, 5' EACH CENTER, ACCESS DOOR, TO SOUND EXPERIENCE, MUST TO BE LOCATED IN ACCORDANCE WITH TELEPHONE CO. REQUIREMENTS. CHART DETAIL DWG. # A1.1-101.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIRS, PASSAGES ETC., ALL BOTTOM ELEVATION OF PIPING AND DUCTWORK SHALL BE PAINTED AT A MINIMUM FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF 6'-6" ABOVE FINISH FLOOR.
10. EXTENT OF PUBLIC CORRIDOR, CEILING TO EXISTING THIS.
11. COUNTS ARE REQUIRED ON ALL DOOR PROVIDING OVER 50 PERSONS (OCCUPANT) COMPARTMENT ELEVATOR SHALL BE OF SUCH SIZE AS TO ACCOMMODATE THE HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR SUBSTRUCTURE AT FACE STRADDLING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A2.2-202 TO A2.2-210.

BUILDING NOT OPENED FOR USE IN THE PORTION OF COMPLETION

CONTRACT	BID DRAWING	date 8-1-68	
	5-15-70	A-75	AA
	1-30-70	A-82	FA
	1-30-70	A-83	FA
	1-30-70	A-87	LA
	5-15-69	A-81	Basement
	5-15-69	A-86	Basement
	5-15-69	A-17	Basement
	5-15-69	A-85	Basement
	5-1-68	A-10	CAS
	8-20-68	A-5	CAS

NO.	DATE	REVISIONS	BY
1	8-1-71	A-267	L.J.
2	12-29-71	A-300	L.C.
3		A-166	L.C.
4	6-15-71	A-176	L.J.
5	4-18-71	A-164	D.F.
6	6-15-71	A-164	D.F.
7	6-15-71	A-165	D.F.
8	11-6-70	A-108	L.J.

NO.	DATE	REVISIONS	BY

REGISTERED ARCHITECT — STATE OF NEW YORK — No. 11

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

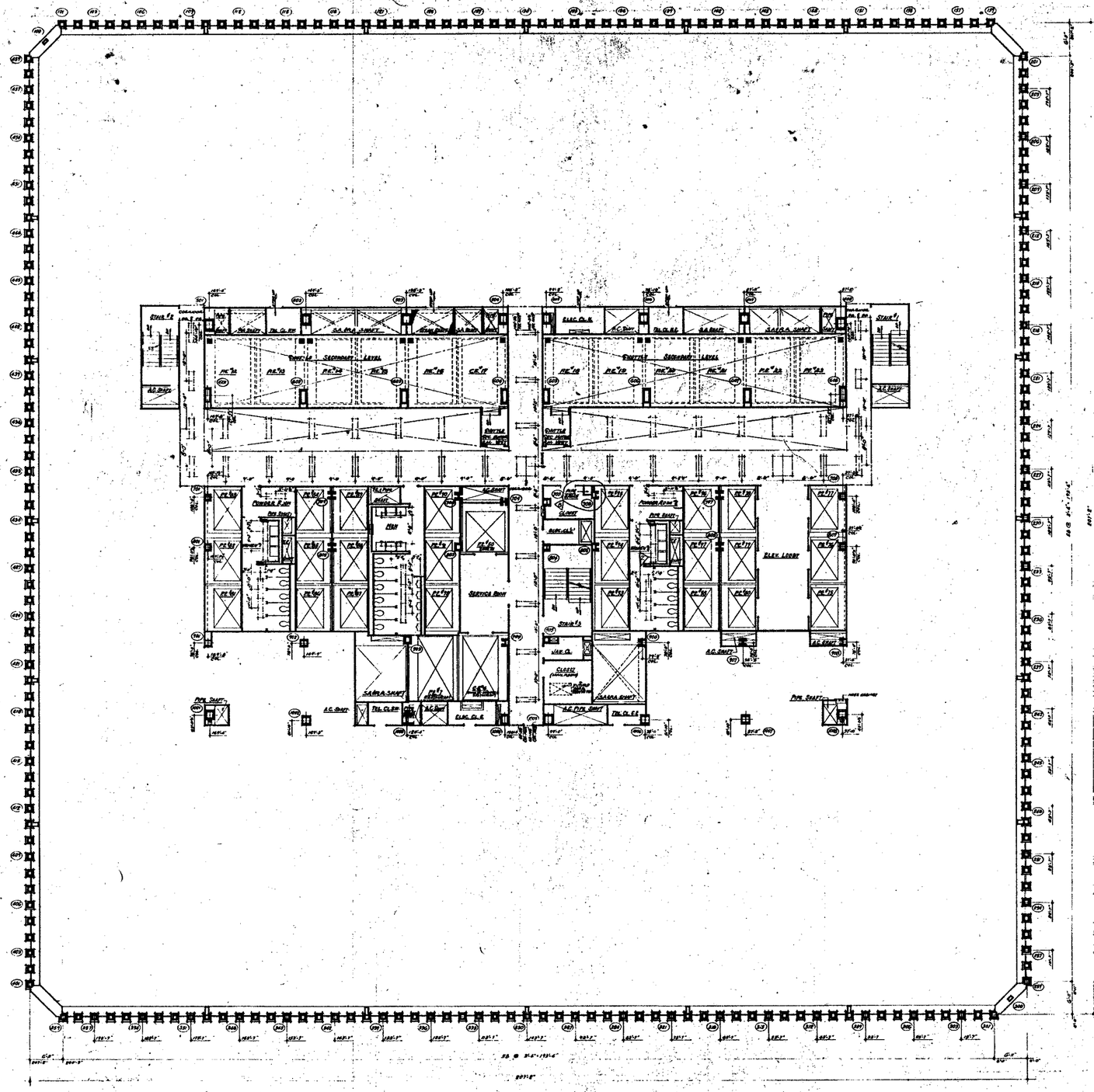
THE PORT OF NEW YORK AUTHORITY

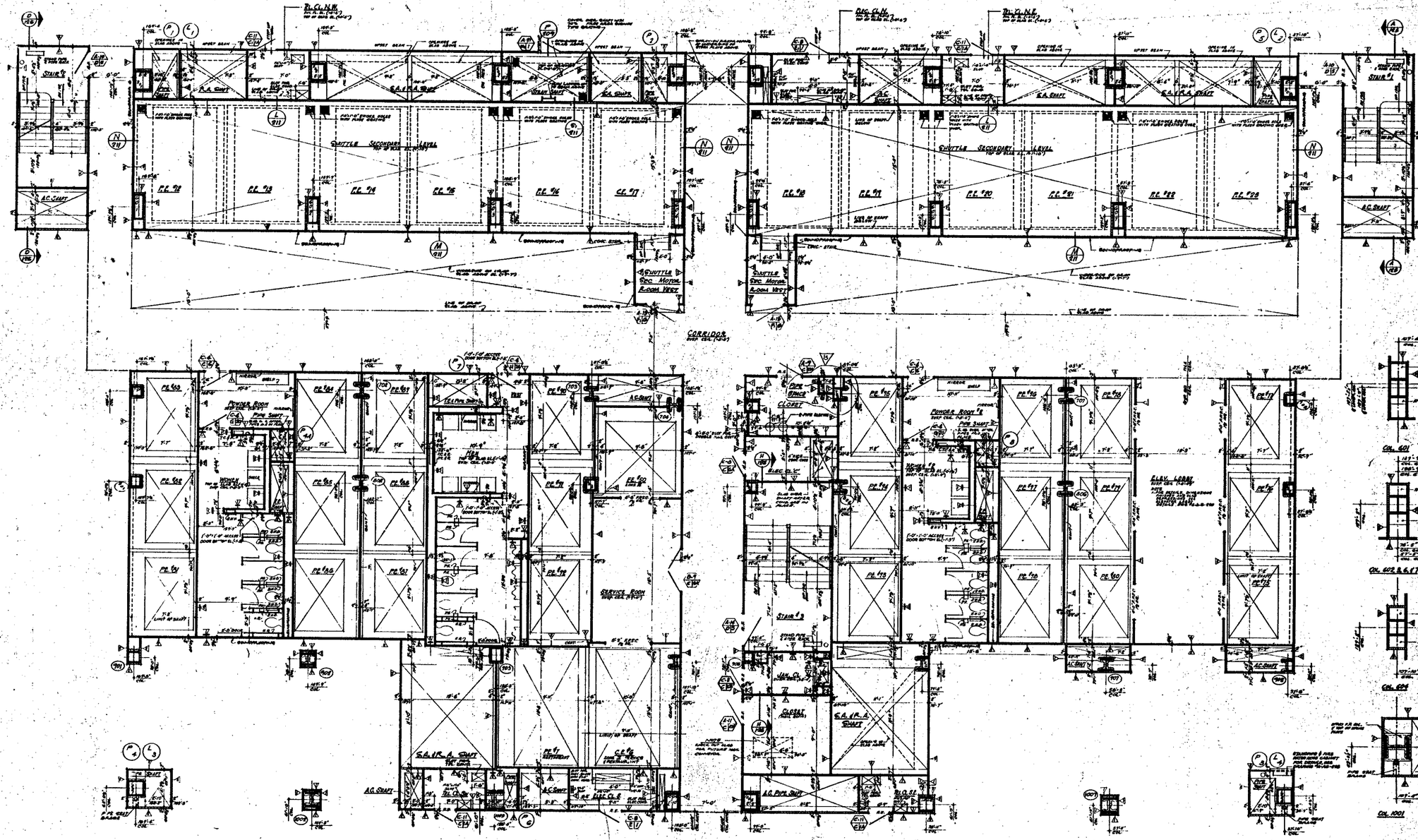
MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH W. LORING & ASSOCIATES — SOILS & GEOLOGICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/8"-1'0"

TITLE: 79TH FLOOR CORE PLAN
UPPER ESCALATOR LEVEL

DRAWN		CHECKED	
SCALE	1/8"=1'0"	DATE	7-30-68
PROJECT ENGINEER		SHEET	OF
DRAWING NO.	A-A-137		


STAIR #2
STAIR #1
A.C. SHAFT
TEL. CLOS.
ELEC. CL.
SANITARY SECONDARY LEVEL
SERVICE AREA
PIPE SHAFT
ELEV. LOBBY
STAIR #3
VAR. CL.
CLOSET
CLOS. CL.
SANITARY SHAFT
PIPE DUCT
TEL. CL. EX.
TEL. CL. CT.
ELEC. CL. EX.
SANITARY SHAFT
SANITARY SHAFT
SANITARY SHAFT



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIAL SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF SHEET, SEE SHEET A-0-1 TO A-0-6
2. FOR COMPLETE 1" SCALE FLOOR PLAN SEE SHEET A-1-154
3. ALL ELEVATIONS SHOWN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWG. 6.A.S.-004 & 6.A.S.-005
6. ALL TRADES DESIRING TO BE FIRE PROOFED AT UNDERSIDE OF SLAB FOR A HEIGHT OF 4'-0" INTO A SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. CONTRACTORS & CONTRACTORS ATTACHED BOND SHEET FOR LOCATION & EXTENT OF TREATMENT REQUIRED AND FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE FLOOR DEPRESSIONS AT ALL MEN AND WOMENS TOILETS, BAR CONTAINERS, OR ANY LOCATION WHERE FLOOR TO FLOOR CONSTRUCTION IS TO BE LOCATED IN ACCORDANCE WITH TILE FLOORING SEE TYPICAL TOILET DETAILS.
9. INSERTS IN SLAB FOR SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CORRIDORS, ETC. THE ARCHITECT, BOTTOM ELEVATION OF ALL PIPING AND FIXTURES SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND ALL EQUIPMENT SHALL BE SO LOCATED.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS
11. CAULTE AD-S APPLIED BY AIR SPRAY PROJECTION OVER 1/2" MINERAL (FIBERS) COMPOSITION (A SUBSTRATE BY-LAYER SHALL BE APPLIED TO IRON HORIZONTAL SEE TYPICAL DETAILS
12. FOR PREPARING TO PAD STUDS & CEILINGS AND TYPICAL PARTITION DETAILS SEE DRAWINGS 6.A.S.-006 THRU 6.A.S.-010

COLUMN DETAILS

BUILDING NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING	DWG. NO.	DATE
	1	1-30-70	A-82	1.2
	2	1-30-70	A-83	1.3
	3	1-30-70	A-87	5.C
	4	5-29-69	A-91	D.5
	5	5-29-69	A-26	D.5
6-1-71	A-167	L.J.	6	5-29-69	A-17	D.5
6-1-71	A-168	L.J.	7	5-29-69	A-25	D.5
6-1-71	A-169	D.T.	8	5-1-68	A-10	D.5
11-6-70	A-108	L.J.	9	1-28-68	A-5	D.5
11-6-70	A-108	L.J.	10	5-9-68		L.V.L.

NO.	DATE	SUB. NO.	BY
REVISIONS			

NO.	DATE	SUB. NO.	BY
REVISIONS			

REGISTERED ARCHITECT

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

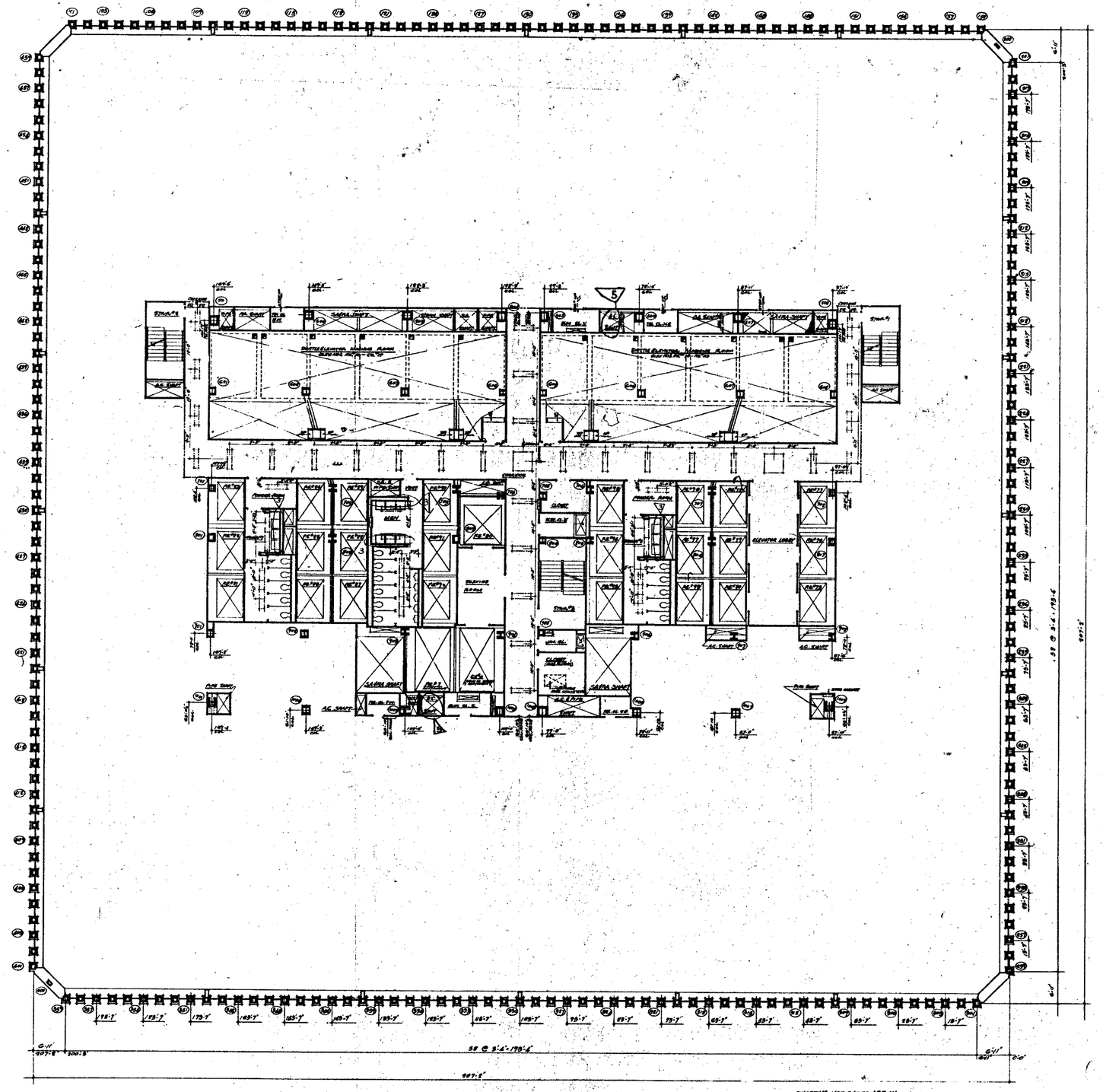
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 80TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/16"	DATE	1-30-69
PROJECT NUMBER		SHEET	1 OF 1
DRAWING NUMBER	A-A-176		



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY PLANS, PLANS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-6.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE ½" SCALE CORE DRAWINGS A-A-107.
3. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. ALL TRENCH HEADERS TO BE PREFRAMED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A STRAIGHT TYPE PREFRAMING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEER'S & CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADER AND PREFRAMING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATIONS AND TOP OF SLAB ELEVATIONS ARE (FIN-F) UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS AT CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____.

BULLETINS NOT DATED ARE IN THE PERIODS OF COMPLETION

CONTRACT NO.	DRAWING dats 4-1-68

NO.	DATE	REVISION NO.	BY
1	4-18-69	A-104	DT
2	11-6-70	A-119	L.M.
3	1-30-70	A-53	T.L.
4	5-15-69	A-17	E.P.C.
5	5-12-69		J.V.L.

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

1/16" = 1'-0"

TITLE: 81ST FLOOR PLAN

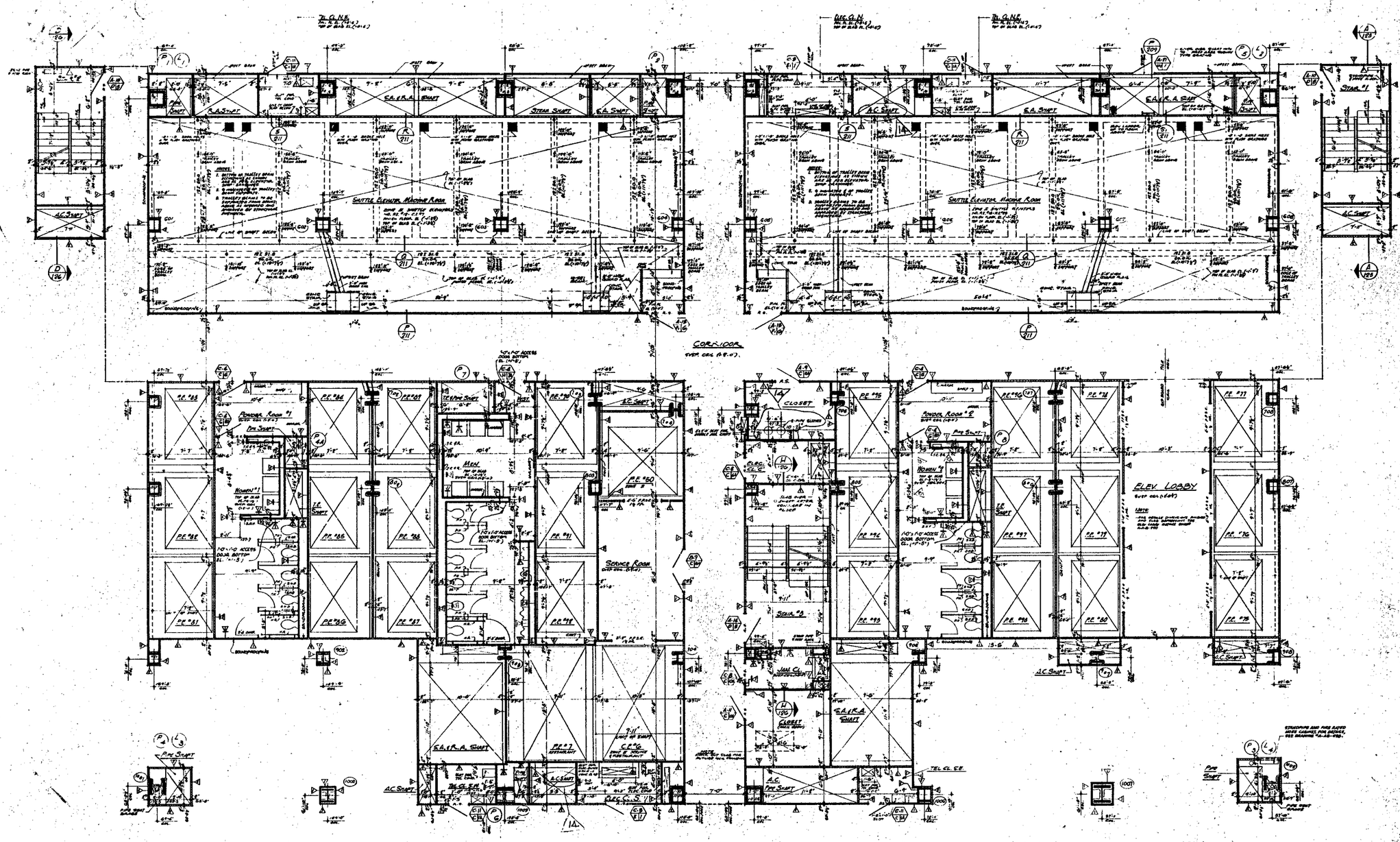
DRAWN		CHECKED	
SCALE	1/16" = 1'-0"	DATE	9-21-67
PROJECT		SHEET	OF

DRAWING NUMBER: A-A-136

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, HARDWARE AND TOILETROOM SCHEDULES SEE DRAWING "A-0.1 TO A-0.4".
2. FOR "CONCRETE 'B' SCALE FLOOR PLAN" SEE DWG. P-A-1.1B.
3. ALL ELEVATIONS SHOW TRUE ELEVATIONS AND IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE ADJACENT ARCHITECTURAL DWGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A-0.6-1 TO A-0.6-3.
6. ALL TRENCH HEADERS TO BE FURNISHED AT LOCATION OF SLAB EDGE & WIDTH OF 6'-0" WITH A SPECIAL SLAB TYPE DESIGNATION. SEE ARCHITECTURAL SPECIFICATIONS & FOR TYPE AND MATERIAL. FOR LOCATIONS & CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADER AND PREFABRICATION.
7. WHERE FLOOR ELEVATION IS 1/2" TOP OF SLAB ELEVATIONS ARE 0'-0" UNLESS OTHERWISE SHOWN OR NOTED.
8. REFER FOR LOCATIONS OF ALL PIPE, ACCESS TOILET, DRINKING FOUNTAIN, JANITOR CLOSET, SERVICE SINK, TOILET ROOM LIGHTING & POWER SYSTEMS, ETC. SEE DRAWINGS A-1.1A & A-1.1B.
9. MARBLE OR TERRAZZO CURBING AND CASED SOIL STOP IN CORRIDOR, STAIR, PASSAGES ETC., BOTTOM ELEVATIONS OF ALL PIPING AND CONDUITS SHALL BE ESTABLISHED AT 8'-0" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL ADJACENT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, IS NOT CARPET.
11. CONTR. HAS APPROVED ON ALL BEAM PENETRATIONS LOCATED ON "SHEARWALLS & BEAMS" IN REINFORCED CONC. FLOOR SYSTEMS. SEE ALSO NOTE NO. 7 ON DWG. A-0.1.
12. FOR DIMENSIONS OF FIRE STOPPING, SLEEVES AND TYPICAL MASTIC DETAILS, SEE DWGS. A-0.5A TO A-0.5D.



BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT	NO.	DRAWING	date 2-9-68
	1	1-30-70	A-53
	2	1-30-70	A-47
	3	6-13-69	A-81
	4	6-13-69	A-16
	5	5-13-69	A-11
0-10-71	6	5-13-69	A-15
8-18-71	7	11-1-68	A-11
11-8-70	8	8-1-68	A-10
11-8-70	9	5-13-68	A-8
1-30-70	10	5-13-68	ALL

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

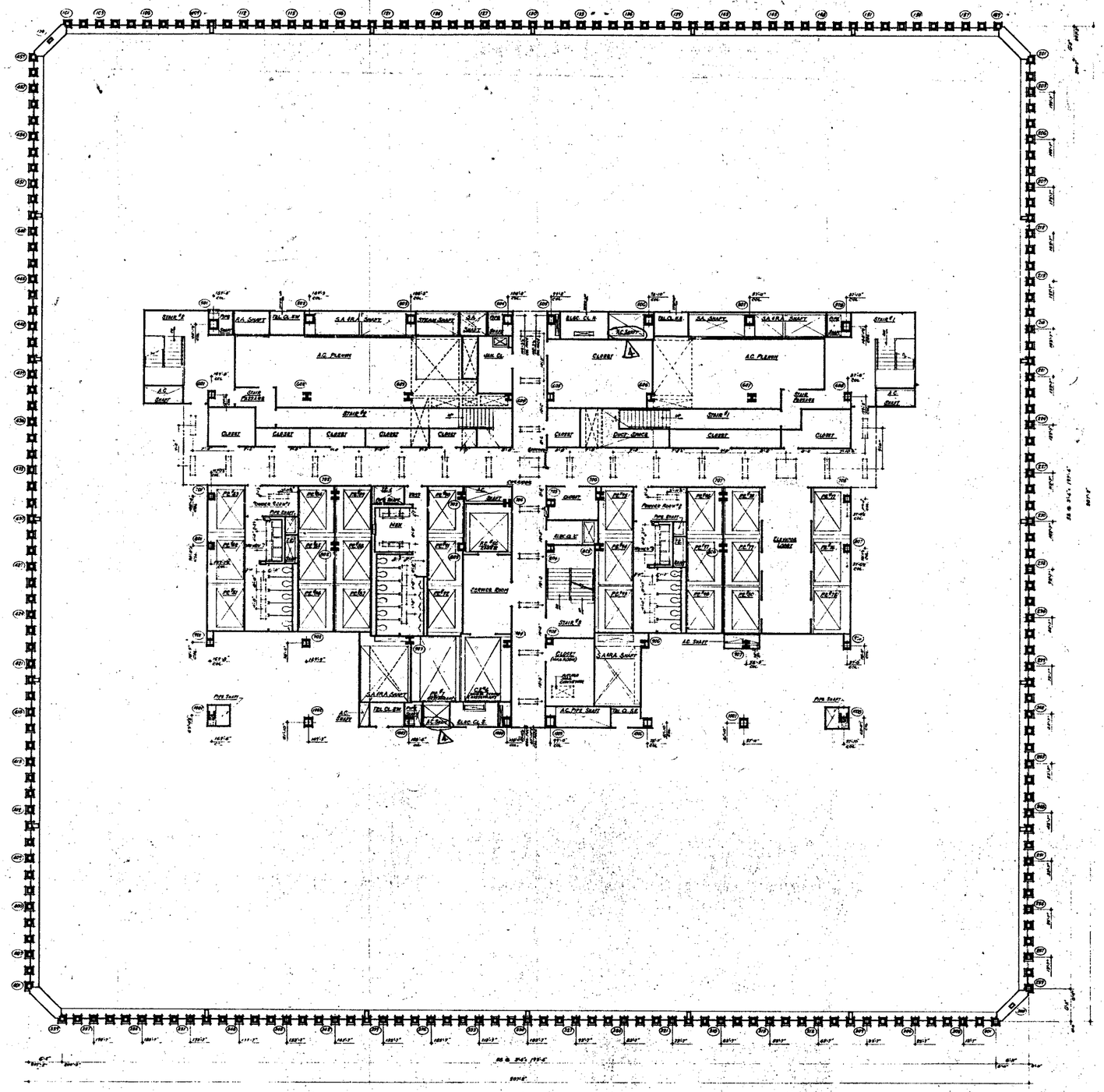
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS & DRAINAGE

TITLE: 61ST FLOOR CORE PLAN

DRAWN | CHECKED
SCALE 1/8"=1'-0" | DATE 7-8-68
PROJECT NUMBER | SHEET 65

A-A-137



North

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING# A-A-1 TO A-A-8.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 1/8" SCALE CORE DRAWING # A-A-100.
3. ALL ELEVATIONS OVER TRUE (1040') ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL FRENCH READERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" W. "K & G SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS & CONTRACTOR APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF FRENCH READER AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL 24'-0" LS.
7. FINISH FLOOR FIXTURING AND TOP OF SLAB ELEVATIONS ARE T.F.F., SLAB, STAIRS SEE SCHEDULE OF NOTES.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CLOSETS, STAIR LANDINGS ETC. FURRING ELEVATION ON ALL PLANS, SPOT LIGHTING SHALL BE MAINTAINED AT 8'-6" A.F.F. IN ALL CLOSETS TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION
CONTRACT BID DRAWING date 5-1-68

NO.	DATE	BUL. NO.	BY

REVISIONS

NO.	DATE	BUL. NO.	BY
6	6-20-71	A-164	D.T.
5	11-9-70	A-149	L.L.
4	1-20-70	A-58	A.B.
3	5-25-69	A-17	D.L.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 82nd FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT NUMBER	1	SHEET	82
DRAWING NUMBER	A-A-138		

NORTH

NOTES

A. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES AND SCHEDULES OF DOORS SEE DRAWINGS A-A-01 TO A-A-04.

B. FOR COMPLETE & SCALE PLANS, PLAN SEE DWG. # A-A-100.

C. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR.

D. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS

E. FOR TYPICAL STAIR DETAILS SEE DWG. # A-A-104 AND A-A-105.

F. ALL TRENCH HEADERS TO BE FIREPROOFED AT THICKNESS OF 4" FOR 1 HOUR & 6" FOR 3 HOUR WITH A SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS & CONTRACTORS SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING.

G. FINISH FLOOR, ELEVATION AND TOP OF SLAB ELEVATIONS ARE (-0'-0") UNLESS OTHERWISE SHOWN OR NOTED.

H. PROVIDE SUNK DEPRESSIONS AT ALL MEN AND WOMEN'S TOILETS, ONE DEPRESSION 4" INCH LOW FOR ACCESS DOOR TO MAIN DEPRESSION TO BE LOCATED IN ACCORDANCE WITH THE FOLLOWING SEE TYPICAL TOILET DETAILS DWG # A-A5-04.

I. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO ENSURE HEAD ROOM, INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

J. EXTENT OF PUBLIC CORRIDOR, AS INDICATED THUS: [illegible]

K. CURTS ARE REQUIRED ON ALL BEAM PENETRATIONS OVER 6" MINIMUM, (6" ACTUAL) DIMENSION IN ELEVATION. CURTS SHALL BE 1/4" THICK x 2" MIN. WIDE OR AS PER TYPICAL DETAILS

L. FOR FURRING OF PIPES STANDARD CEILINGS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A5-01C TO A-A5-12.

SECTION A/139

SECTION B/139

C/139 D/139 SCALE 1/8"=1'-0"

E/139 F/139 SCALE 1/8"=1'-0"

BULLETINS NOT DRAWN HERE IN THE PROCESS OF COMPLETION

CONTRACT	BID	DRAWING	date 8-7-68	
		3	5-15-70	A-13
		2	1-30-70	A-5A
		1	1-30-70	A-5A
		0	1-23-70	A-6A
6-18-11	A-178	L-J	5.25.69	A-5A
6-18-71	A-104	D-1	5.25.69	A-2A
6-18-71	A-185	D-1	5.25.69	A-1A
9-1-71	A-123		5.25.69	A-8A
11-8-70	A-118	L-J	5-1-68	A-4A
11-8-70	A-256	L-J	5-25-68	A-2A

NO.	DATE	DWG. NO.	BY

REVISIONS

NO.	DATE	DWG. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

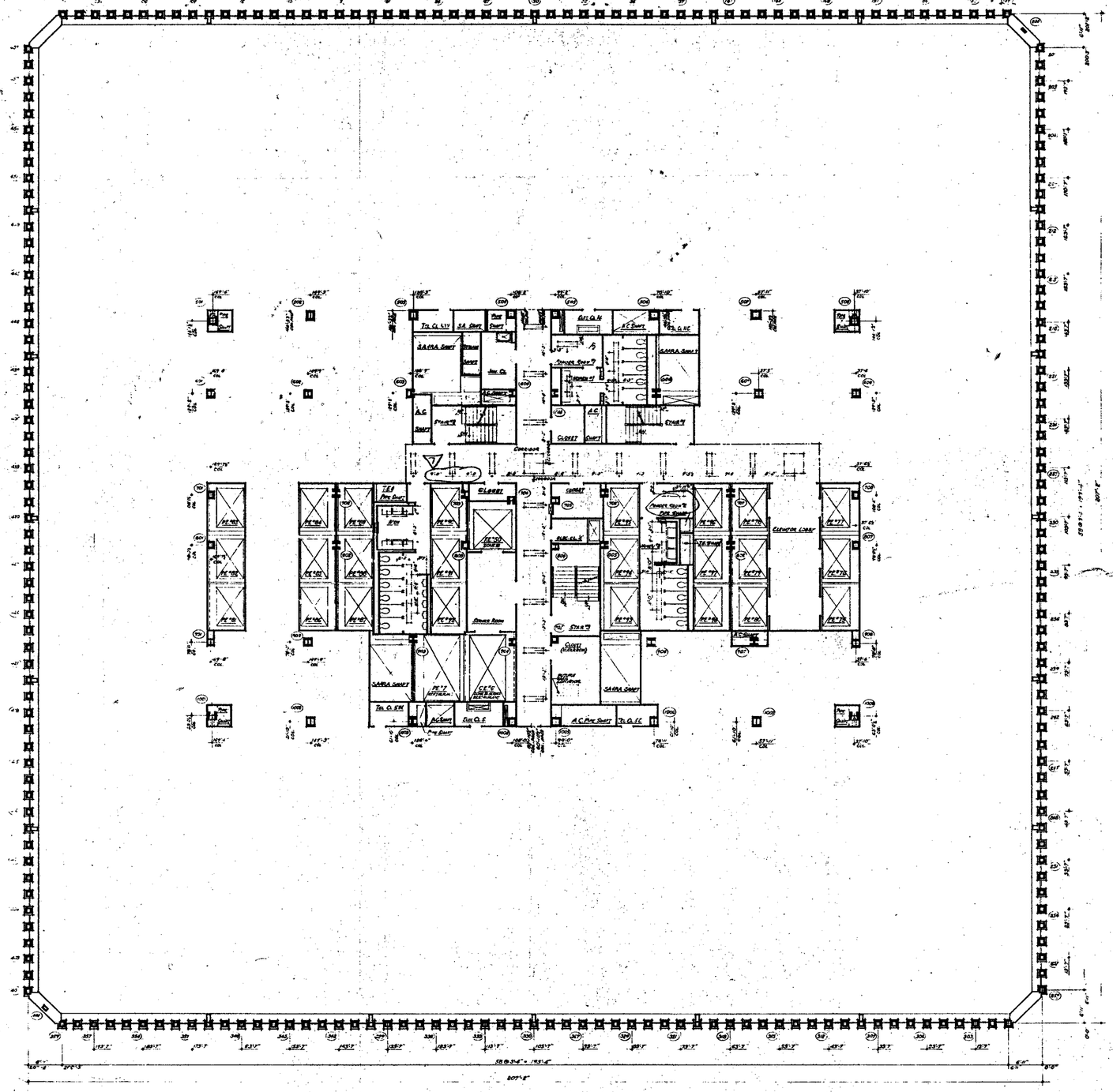
MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 2 4 8 16 SCALE IN FEET

TITLE: 82ND FLOOR CORE PLAN

DRAWN	CHECKED
DATE	7-31-67
PROJECT NO.	SHEET OF

A-A-139



NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF OTHER SEE SHEET A-A.1 TO A-A.4.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE ¼" SCALE CORE DRAWING "A-A-1.181."
3. ALL ELEVATIONS GIVEN THUS (0'-0") ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. ALL TRENCH HEADERS TO BE PREPROOFED AT UNDERSIDE OF SLABS FOR A WIDTH OF 2'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING
6. CORRIDOR & TOILET LIGHTING AS SHOWN, FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (752'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. THERE TO SUSPENDED CEILINGS ARE CA.FL. FOR SUCH AS P. CLOSETS ETC. THE PROPER ELEVATION OF ALL PIPING, M.C. DUCTWORK, SHALL BE MAINTAINED 7'-6" ABOVE FINISHED FLOORS TO ALLOW FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION.

CONTRACT BID DRAWING date 2-1-66

NO.	DATE	DWG. NO.	BY
1	6-1-71	A-B87	LC
2	6-18-71	A-164	DS
3	6-18-71	A-150	DS
4		A-160	
5	1-30-72	A-88	AR
6	5-25-72	A-17	LA
7	5-22-72	A-29	LA

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0" 0 5 10 1' 20

TITLE: 83rd FLOOR PLAN

DRAWN | CHECKED
SCALE: 1/8"=1'-0" | DATE: 7-31-67
PROJECT NUMBER | SHEET NO.
DRAWING NUMBER: A-A-140

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND INDEXES OF DRAWINGS SEE DRAWINGS A-1.1 TO A-1.5.
2. FOR COLUMNS & SCALE ROOM, PLAN SEE DRAWING A-4.1-10.
3. ALL ELEVATIONS SHOWN THUS (14'-0") ARE IN RELATION TO PROJECT DATUM.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-4.0-04 AND A-4.0-05.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS AND CONTRACTORS APPROVED EQUIVALENCE. FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION (TYP. OF SLAB ELEVATIONS ARE 0.0-0.5 UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE ROOF DEPRESSIONS AT ALL MEN AND WOMEN'S TOILETS, CORE DEPRESSIONS AT EACH LAUNDRY. ALSO DOORS TO SHAFT DEPRESSED UNLESS THEY ARE LOCATED IN ACCORDANCE WITH THE EXISTING 3RD TYPICAL TOILET DETAIL ON DWG. 1.1-A-01.
9. WHERE NO DEPRESSED CEILINGS ARE CALLED FOR SUCH AS AT CORRIDORS, STAIR LANDINGS ETC., BOTTOM ELEVATIONS OF ALL PIPING AND ELECTRICAL SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO ENSURE FOR ENTIRE CEILING INSTALLATION AND CLEARANCE OF TALL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDORS, CEILING IS INDICATED THUS: ———————
11. CANTS ARE REQUIRED AT ALL BEAM PENETRATIONS OVER 24" NOMINAL (EXTERNAL) DIMENSION IN REMOTE SHAFTS AND SHALL BE MIN. OF 75° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF STEEL STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS 1.1-A-3.05 TO 1.1-A-3.13.

COL. *501

COL. *502

COL. *503

COL. *504 & *507

COL. *506

COLUMN DETAILS

BUILDING NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING	date 8-1-68	
	11-6-70	A-1.08	L.J.
	11-6-70	A-1.09	L.J.
	1-30-70	A-1.01	A.B.
	1-30-70	A-1.02	A.B.
	1-30-70	A-1.03	E.C.
6-8-67 A-1.14	3-25-69	A-1.31	L.J.
4-18-67 A-1.04	3-28-69	A-1.26	L.J.
6-18-67 A-1.00	3-25-69	A-1.17	L.J.
	3-25-69	A-1.21	L.J.
9-1-67 3-1.00	8-1-68	A-1.10	D.G.

NO.	DATE	REVISIONS	BY
NO.	DATE	REVISIONS	BY

APPROVED
CHIEF, PLANNING DIVISION
DATE

BOUWSTAAL ARCHITECT

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

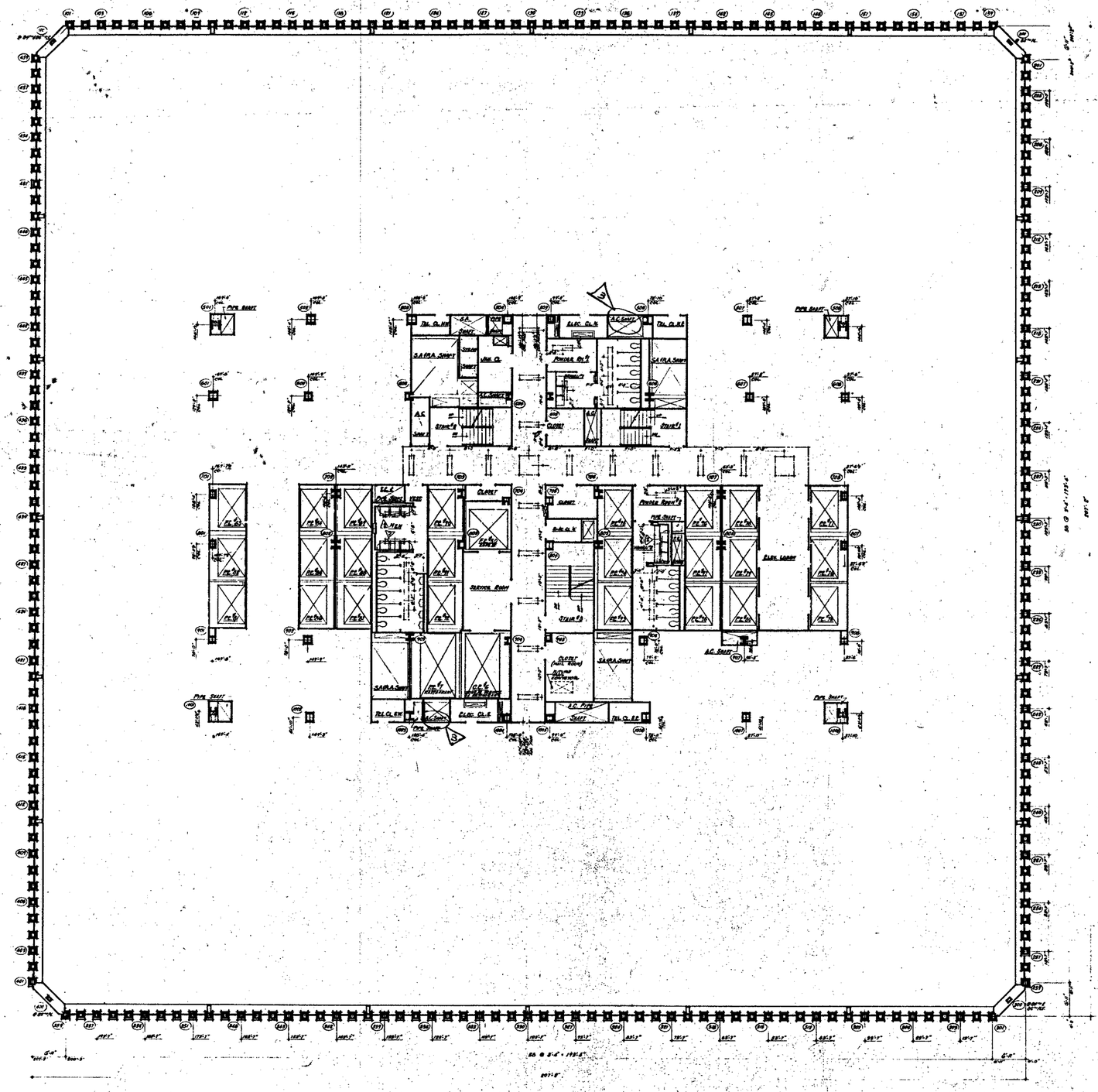
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

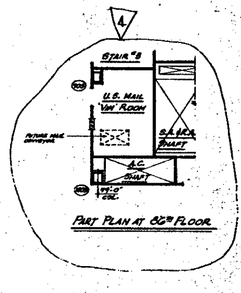
TITLE: 83rd FLOOR CORE PLAN

SCALE: 1/8"=1'-0" DATE: 7-8-69

PROJECT NO. SHEET OF

DRAWING NO. A-A-1.14k





PART PLAN AT 85TH FLOOR

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-A-1 TO A-A-6
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREA SEE 6" SCALE CORE DRAWING # A-A-148
3. ALL ELEVATIONS (FIVE FEET (5'-0") SEE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE RESPECTIVE ENGINEERS' DRAWINGS
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS / CONTRACTOR'S APPROVED SHOP DWGS. FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING
6. CORRIDOR AND TOILET LIGHTING AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL SCHEDULE
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (FIVE-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED 7'-6" ABOVE FINISHED FLOOR, TO ENSURE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF WALL MEDIUM DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 2-1-68

NO.	DATE	DESCRIPTION	BY
1	6-15-71	A-170	L.J.
2	7-12-71	A-164	D.T.
3	1-20-72	A-69	L.J.
4	12-28-72	A-17	R.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES	EMERY ROTH & SONS
MINORU YAMASAKI, ARCHITECT	RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON	JAROS, BAUM & BOLLES
STRUCTURAL ENGINEERS	MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES	THE PORT OF NEW YORK AUTHORITY
ELECTRICAL ENGINEERS	PAVING, UTILITIES, FOUNDATIONS

TITLE: 84TH TO 86TH FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/16"	DATE	7-1967
APPROVED		SHEET	OF
PROJECT			

A-A-142

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, RAISED GUIDELINES, FINAL FINISHES AND GLOSSARY OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.5.
2. FOR CHAMFERS @ WALLS, FLOOR, PLAN SEE DRAWING A-1.1A
3. ALL ELEVATIONS GIVEN THUS (24'0") ARE IN RELATION TO PROJECT DATUM.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE ACCEPTED ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS A-4.0-SH AND A-4.0-STR.
6. ALL TRENCH HEADERS TO BE WATERPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A BITUTHENE TYPE WATERPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELEC. ENGINEERS & CONTRACTORS APPROVED SHOP DWGS FOR LOCATION & EXTENT OF TRENCH HEADS AND INSULATIONS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (8.0.0.) UNLESS OTHERWISE SHOWN OR NOTED.
8. 1 MINIMUM SOUND ATTENUATED AT ALL MEN'S AND WOMEN'S TOILETS, AND DISPENSER, AT EACH LOUNGE, ACCESS DOORS TO BE SO LOCATED AS TO BE CONCEALED IN ACCORDANCE WITH TILE COURSING SEE TYPICAL TOILET DETAILS DWG. A-A.0-STR.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SUCH AS IN CORRIDORS, STAIRS, TOILET ROOMS ETC., FINISH FURNISHING OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR. ABOVE 7'-0" A.F.F. PIPEWORK CEILING INSULATION AND CLEARANCE OF NOT LESS THAN 6".
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS
11. GIANTS ARE REQUIRED ON ALL BEAM PENETRATIONS OVER 6" HIGH (EXISTING) PLUMBING AND MECHANICAL DUCTS AND PIPES AS SHOWN ON MECHANICAL SEE TYPICAL DETAILS.
12. FOR WATERPROOFING OF FIRE STANDING COLUMNS AND PARTITIONS SEE DETAIL SEE DRAWINGS A-A.0-SOG TO A-A.0-STR.

COLUMN DETAILS AT 86TH FLOOR

PART PLAN AT 86TH FLOOR

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING NO. A-1.46

NO.	DATE	BUL. NO.	BY
11-12-26	A-3.15	JR	
5-18-71	A-1.26	LW	
3-18-71	A-1.26	LW	
9-18-70	A-1.26	DP	

REVISIONS

NO.	DATE	BUL. NO.	BY
	11-2-70	A-1.08	L.W.
	1-20-70	A-0.1	L.W.
	1-20-70	A-0.3	L.W.
	1-20-70	A-0.7	L.W.
	5-25-69	A.01	R.C.
	5-25-69	M.G.	R.C.
	5-25-69	A.17	R.C.
	5-25-69	A.23	R.C.
	5-5-69	A-1.0	D.G.
	5-20-68		J.W.L.

REVISIONS

REGISTERED ARCHITECT

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

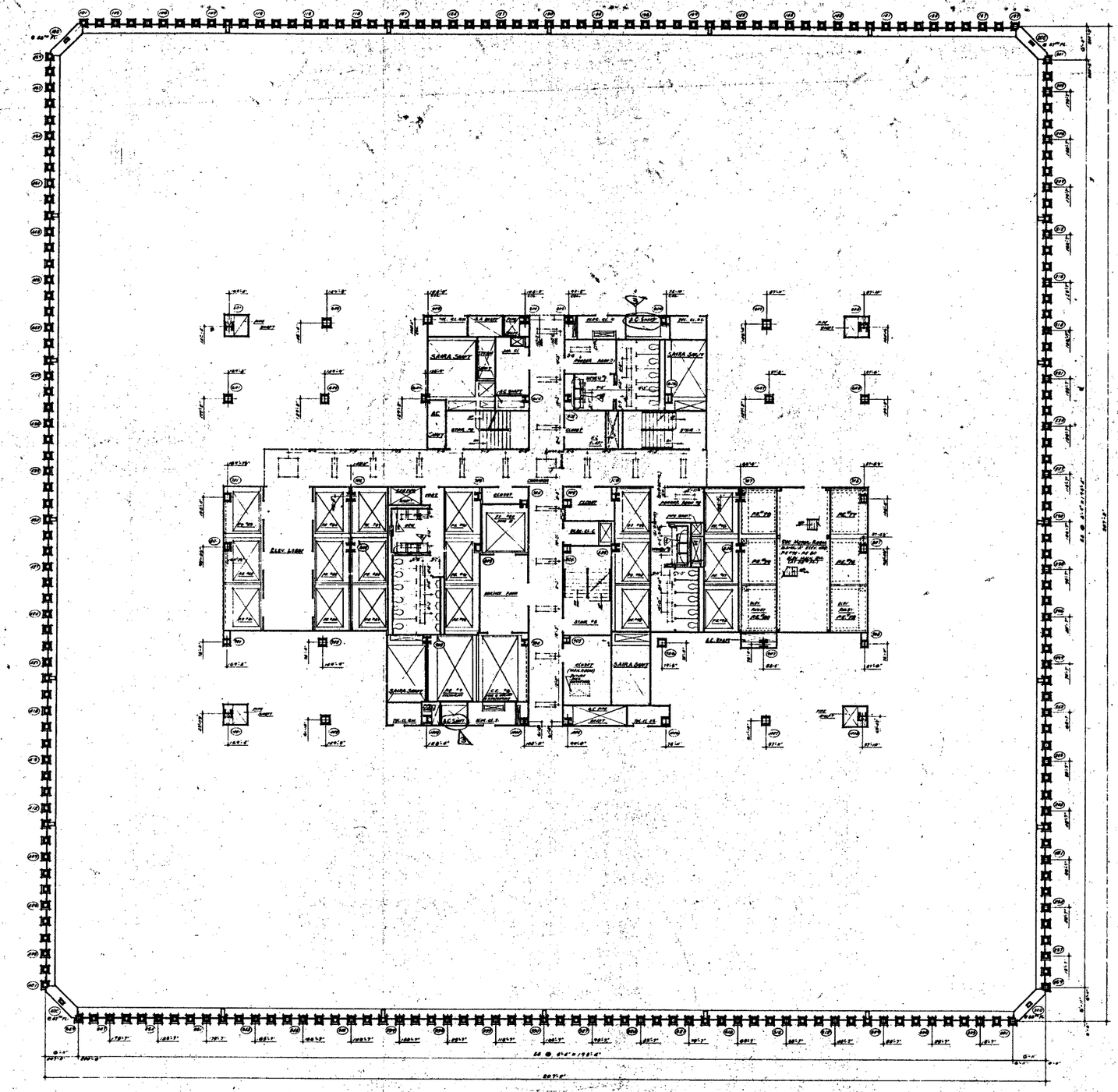
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

1/8"=1'-0"

TITLE: 64TH TO 86TH FL. CORE PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-21-67
PROJECT LEADER		SHEET	143
PROJECT ARCHITECT			

A-A 143


SAMA SHAFT
ELEV. LOBBY
CLOSET
MECH. EQ.
STAIR 78
CLOSET (FUTURE DUCTWORK)
SAMA SHAFT
SAMA SHAFT
SAMA SHAFT
A.C. SHAFT
A.C. SHAFT
A.C.

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND GENERALLY OF DRAWINGS, SEE DRAWINGS A-1.1 TO A-1.5.
2. FOR COMPLETE 8" SCALE PLANS, PLAN SEE DRAWINGS A-2.1-2.2.
3. ALL ELEVATIONS GIVEN THUS (19'-0") ARE IN RELATION TO FINISH FLOORS.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS A-2.5-2.6 & A-3.4-3.5-3.6-3.7.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" WITH 1 SPACE OR TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND SLAB, ENGINEERS & CONTRACTORS' APPROVED SHOP DWGS FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. PARTIAL FLOOR ELEVATIONS (TOP OF SLAB ELEVATIONS ARE 0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE ANY DIFFERENCE IN ALL ARE ANY MINOR TRADES, THE DIFFERENCE IS EACH LOCATION, ACCESS DOORS TO SHAFT DOOR WALLS TO BE LOCATED IN ACCORDANCE WITH THIS DRAWING. SEE TYPICAL TOILET ENTRANCE DRAWING A-3.3-3.4.
9. PROVIDE METAL SUSPENDED CEILING GRID FOR EACH AS FLOORS, SLAB, BEAMS ETC., BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE DETERMINED BY 8'-0" ABOVE FINISHED FLOOR TO ANYONE PER PIPING, CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS _____
11. CANTS ARE REQUIRED ON ALL SLAB PROJECTIONS OVER 1/2" MINIMUM (1" MINIMUM) DIMENSION IN ELEVATION, SPLAYS AND SHALL BE SLOPED 1:12" FROM HORIZONTAL. SEE TYPICAL DETAILS
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A5-2.6.5 TO A-A5-3.1.2

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING Sch. A-1.4

NO.	DATE	DWG. NO.	BY
1	11-8-70	A-1.05	L.L.
1	1-8071	A-B1	L.L.
1	1-20-71	A-B9	L.L.
1	1-20-70	A-B7	E.C.
2	2-23-69	A-B1	L.S.
2	2-23-69	A-B5	L.S.
2	2-23-69	A-1.7	L.S.
3	3-23-69	A-2.3	L.S.
3	3-19-71	A-1.10	D.G.
4	4-22-69	A-2	D.G.

REVISIONS

NO.	DATE	DWG. NO.	BY
6	6-8-71	A-1.14	L.L.
6	6-8-71	A-1.6.4	D.T.

REVISIONS

REGISTERED ARCHITECT — RICHARD ROTH — STATE OF NEW YORK

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 67TH FLOOR, CORE PLAN

1/8"=1'0" 0 1 2 3 4 5 6

DESIGN		CHECKED	
SCALE	1/8"=1'0"	DATE	7-8-71
DRAWN		SHEET	OF

DRAWING NO. A-A-145

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-6.
2. FOR COMPLETE 8" SCALE FLOOR PLAN SEE DRAWING A-A-144.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-A-604 AND A-A-605.
6. ALL TRENCH GRATES TO BE RECESSED AT FACE/EDGE OF SLAB FOR A WIDTH OF 3/4" WITH A SPLASH-TYPE WATERPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TILE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND FITTING OF TRENCH HEADS, AND TERMINATIONS.
7. FINISH FLOOR ELEVATION (FINISH OF SLAB ELEVATION) (SLAB ELEV.) UNLESS OTHERWISE SHOWN OR NOTED.
8. NON-SLIP STRIP DEVICES AT ALL MEN AND WOMEN'S TOILETS AND SHOWERS AT EACH LANDING. ACCESS DOORS TO WAY DISTRIBUTION VALVES TO BE LOCATED IN ACCORDANCE WITH THIS DRAWING. SEE TYPICAL TOILET DETAILS A-A-A-610.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SHOWN IN CLOSETS, EQUIP. PASSAGES, ETC. SECTION-ELEVATION OF ALL CAP. VS AND DUCTWORK SHALL BE MAINTAINED ABOVE STONE FINISHED FLOOR, TO PROVIDE FOR PROPER CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS
11. CANTS ARE MEASURED ON ALL BEAM PROJECTIONS OVER 6" NOMINAL (4" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 2" FROM HOISTWAY SILL TO 5'-0" VERTICAL DISTANCE.
12. FOR TREATMENT OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-606 TO A-A-608 INCL.

CORRIDOR
SHOP DWG. SCALE 1/4"=1'-0"

ELEV. LOBBY
SHOP DWG. SCALE 1/4"=1'-0"

ELEVATOR MACHINE ROOM
SHOP DWG. SCALE 1/4"=1'-0"

TENANT SPACE

ELEVATOR MACHINE ROOM

SECONDARY MOTOR R.R.

ELEVATOR PENTHOUSE

SECTION A/146

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING NUM. A-A-146

NO.	DATE	BUL. NO.	BY
4	8-18-71	A-174	LJL
3	6-8-71	A-164	DT
2	10-8-70	A-108	LJL
1	1-30-70	A-81	LJL

REVISIONS

NO.	DATE	BUL. NO.	BY
1	1-30-70	A-88	LJL
2	1-30-70	A-87	E.C.
3	3-23-69	A-31	L.S.
4	3-23-69	A-26	L.C.
5	3-23-69	A-17	L.C.
6	3-23-69	A-13	L.C.
7	1-1-68	A-11	M.R.
8	5-1-67	A-10	D.G.
9	4-25-67	A-9	D.G.
10	3-15-67		LJL

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

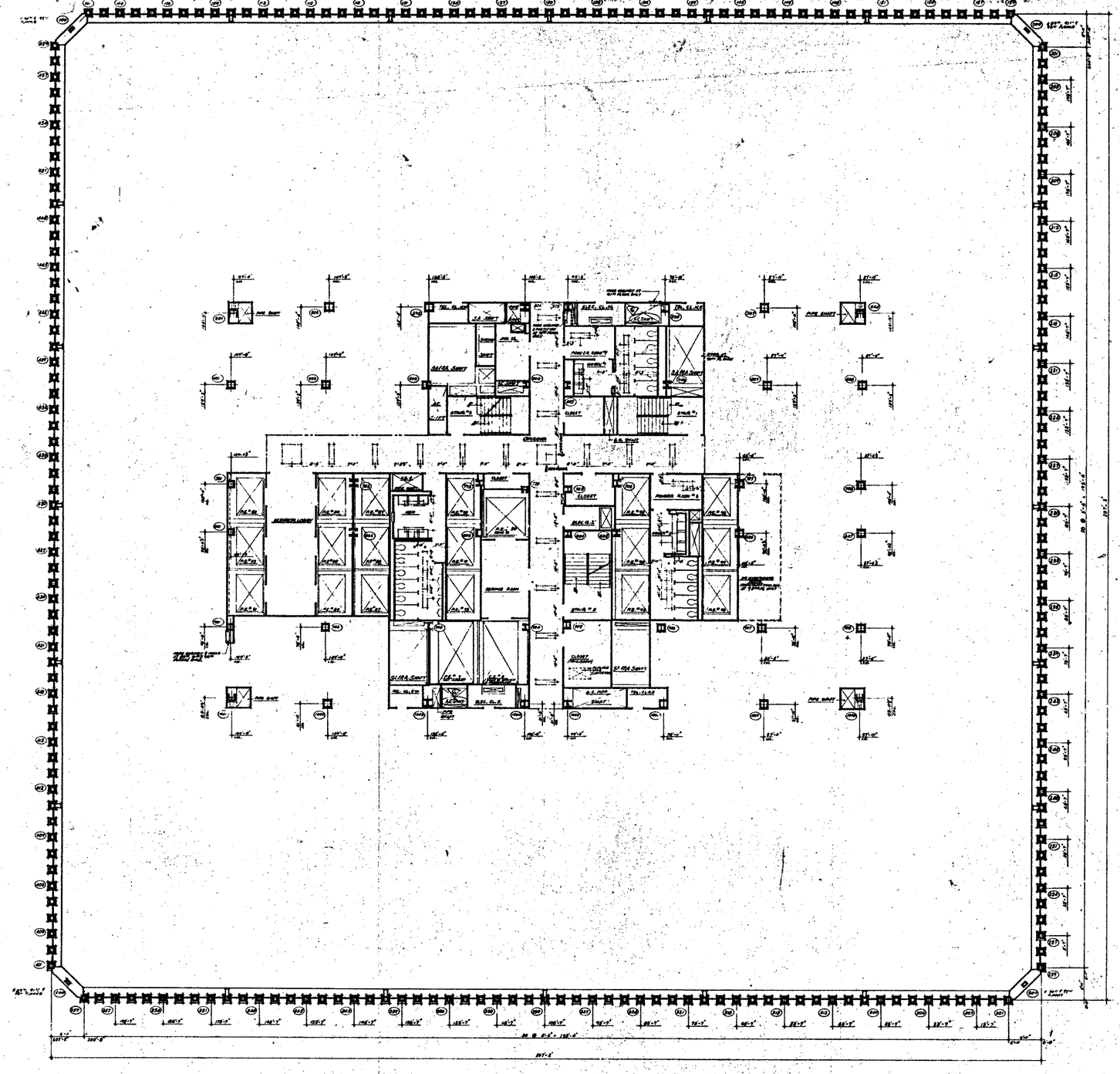
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

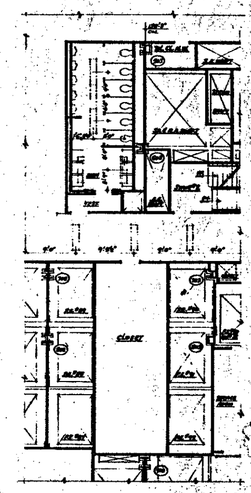
TITLE: 66TH FLOOR CORE PLAN

1/8"=1'-0"

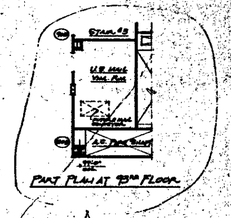
DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-21-67
TRACED		SHEET	37
APPROVED			

A-A-146





PART PLAN AT 93RD FLOOR



PART PLAN AT 73RD FLOOR

GRID

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING A-A-1 TO A-A-5.
2. FOR TOILETS, DRESSINGS AND NOTES IN CORE AREA SEE 1/2" SCALE CORE DRAWING A-A-148
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
6. ALL TRADES HELPERS TO BE PROVIDED AT BACKS OF ALL SLAB PENS A WIDTH OF 8'-0" WITH A BURKE-GH TYPE WATERSTOP. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND P.C. ENGINEERS & CONTRACTORS LAYOUTS FOR CHASE AND LOCATION. | 8 FEET ON TRENCH AND WATERPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (T.S.+0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PACKAGES ETC., BOTTOM ELEVATION OF ALL BEAMS AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION, AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS _____

BULLETINS NOT DATED ARE IN THE PROPOSED CONTRACT FORM

CONTRACT NO. DRAWING, date 3-1-68

NO.	DATE	DESCRIPTION	BY
1	5-15-71	A-1-70	DHL
2	6-28-71	A-1-84	DK
3	11-5-70	A-1-109	LJ
4	1-20-70	A-1-88	LJ
5	2-25-69	A-1-113	RC
6	5-23-69	A-1-7	RC
7	5-1-68	A-1	MM

REVISIONS

APPROVED

CHIEF PLANNING ENGINEER

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES, ARCHITECT — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS, ARCHITECT — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON, STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES, MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES, ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY, PAYING, UTILITIES, FOUNDATIONS

TITLE: 69TH TO 93RD FLOOR PLAN

SCALE: 1/16"=1'-0" — DATE: 1-20-70

DRAWING NO. A-A-147

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, FOREMAN AND SCHEDULES OF DRAWINGS SEE DWGS. A-1 TO A-14.
2. FOR EXPANSION JOINTS SEE DRAWING A-A-105.
3. ALL ELEVATIONS GIVEN THUS (101'0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUT SEE PERTINENT SHOP DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWGS. A-A-3 TO A-A-5 AND A-A-9 TO A-A-12.
6. ALL TILES ON HEADERS TO BE PRESHAPED AT MANUFACTURE OF SIZE AND SHAPE AS SHOWN AT SPECIAL CONDITIONS ON ARCHITECTURAL SPECIFICATION SECTION 09250, AND SEE FOOTNOTE 7 ON FINISH SCHEDULE. TILE SHALL COVER FULL DIMENSION OF HEADER AND JAMB TO FINISH FLOOR AND PROJECTIONS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB REFERENCE ARE (101'0") UNLESS OTHERWISE SHOWN AND NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMENS TOILETS - ONE DISPENSER AT EACH LAVATORY, EXCEPT WHERE TWO OR MORE LAVATORIES ARE TO BE LOCATED IN ACCESSIBLE UNITS THEY SHALL BE SERVED BY TWO DISPENSERS MINIMUM.
9. WHERE NO TOWELETTE CABINETS ARE CALLED FOR, THERE AS IN TOILETS, STAIR PASSAGES ETC., PROVIDE DISPENSERS AT ALL SINKS AND RECESSES SHALL BE MAINTAINED 8'-0" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE TOWELETTE INSTALLATION AND REMOVAL OF FULL HEIGHT BOARD.
10. EXTENT OF CERAMIC TILE IS INDICATED THUS
11. CAPITOL GRID - 24" SPACED ON ALL MAIN PARTITIONS ON 1'-0" MODULE (ELECTRICAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE A - MARK 79" FROM MASTER MARK. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF FIRE WINDOW COLUMNS AND TYPICAL PARTITIONS DETAILS, SEE DRAWINGS A-A-10 TO A-A-12.

PART PLAN AT 93RD FLOOR.

PART PLAN AT 93RD FLOOR

PART PLAN AT 92ND FLOOR

COL. #107 AT 89TH FL.

COL. #108 AT 78TH FL.

COLUMN DETAILS

PART PLAN AT 89TH TO 93RD FL. CORE PLAN

BULLETIN NOT DATED SEE # IN THE PRICES OF COMPLETION

CONTRACT NO.	DRAWING	date 2-1-68			
		1	A-B01	A-11	LJ
		2	A-B01	A-B8	LJ
		3	A-B01	A-17	LJ
11-1-136	A-B16	LR	4	A-B02	A-11	BE
6-15-71	A-114	DM	5	A-B02	A-11	BE
6-15-71	A-116	DM	6	A-B03	A-11	BE
6-8-71	A-104	DT	7	A-B03	A-19	BE
9-1-71	A-123	LJ	8	11-1-68	A-1	MM
11-6-70	A-118	LJ	9	8-1-68	A-10	DM
11-6-70	A-108	LJ	10	5-15-68		LJ

NO.	DATE	SUB. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JACOBS, RAHN & BOLLER
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

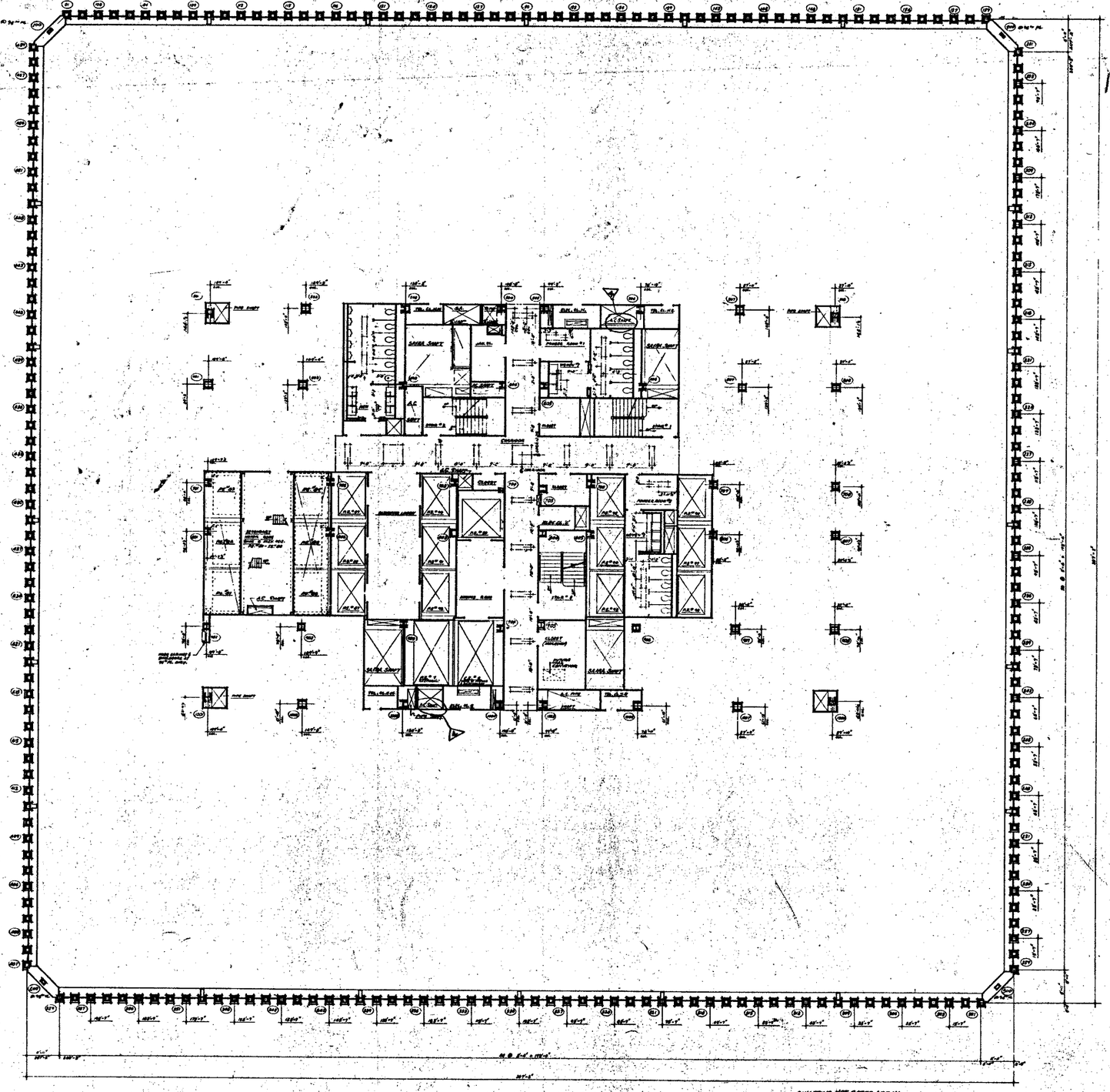
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 89TH TO 93RD FL. CORE PLAN

SCALE: 1/16" DATE: 7-30-71

PROJECT NO.

DRAWING NO. A-A-14



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-1.1 TO A-1.5.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CASE AREA IS "X", SCALE CORE DRAWINGS A-1.101 AND A-1.121.
3. ALL ELEVATIONS SHOWN THUS (23'-0") ARE IN RELATION TO PORTS PLANE.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS, SEE SUBCONTRACTORS DRAWINGS.
5. ALL TRENCH HEADERS TO BE PREPARED AT UNDERSIDE OF SLAB PAN, A WIDTH OF 6'-0" WITH A STRAP ON TYPE PERFORMING SEE ARCHITECTURAL SPECIFICATIONS FOR JOISTS AND ELEC. ENGINEERS & CONTRACTOR APPROVED TYPE JOISTS FOR LOCATION & EXTENT OF TRENCH HEADER, AND FIRE PROOFING.
6. COORDINATE AND TOILET LIGHTING LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICIAN'S DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (7'0"-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE SUSPENDED 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS _____

BUILDINGS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING Date 9-1-66

NO.	DATE	DRWG. NO.	BY
3	6-16-71	A-1.04	D.T.
2	11-6-70	A-1.03	L.L.
1	1-29-70	A-1.02	L.L.
0	5-23-69	A-1.1	E.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

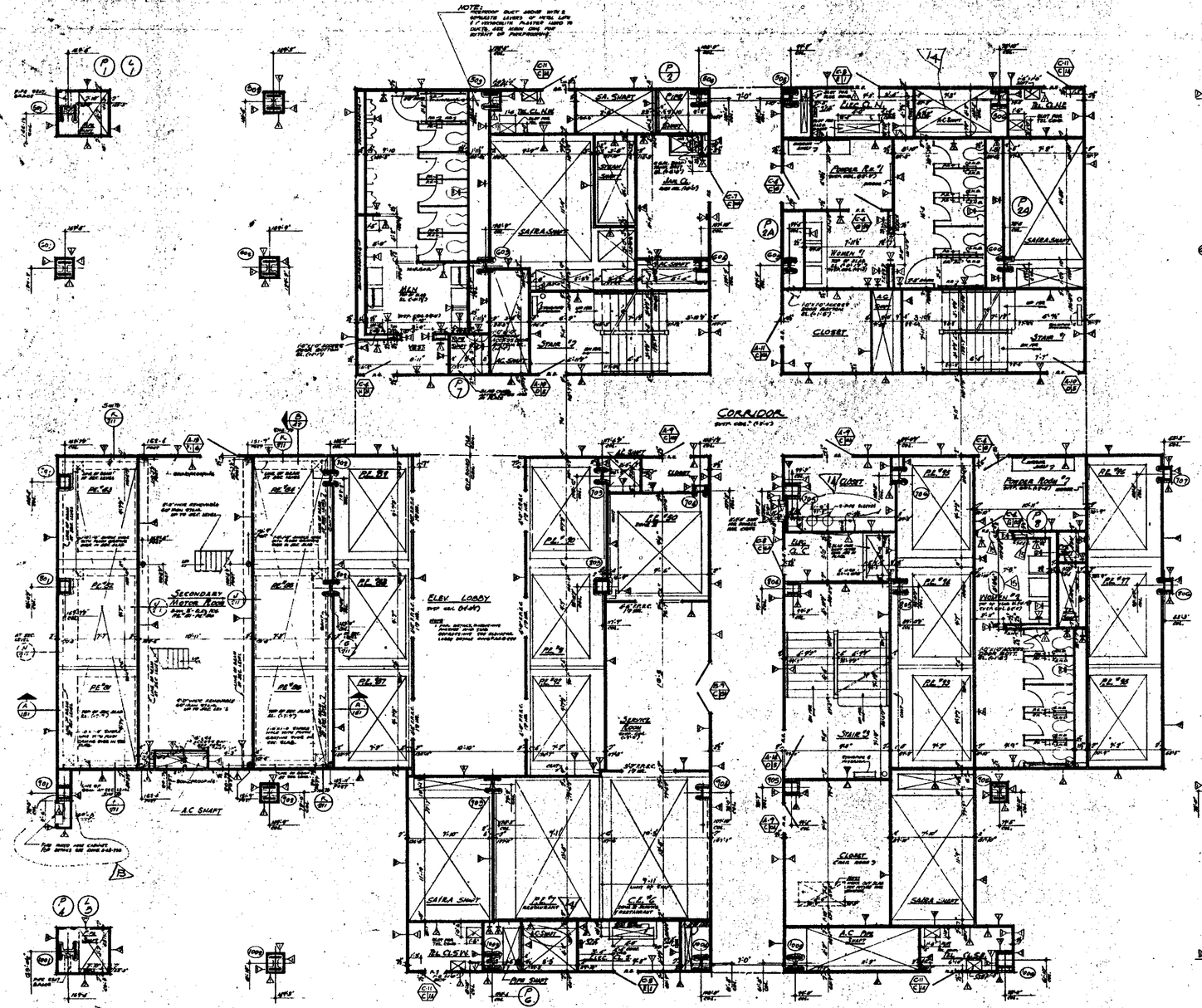
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PLANNING, DIRECTION, FOUNDATIONS

1/8"-1'0"

94TH & 95TH FLOOR PLAN

SCALE 1/8"=1'-0" DATE 11-24-69
PROJECT NUMBER SHEET OF
DRAWING NUMBER A-A-149



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-1.1 TO A-1.4.
2. FOR COMPLETE "B" SCALE FLOOR PLAN SEE DRAWING A-2.149.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STEEL FRAMING SEE DWGS. S-A.0-1.04 AND S-A.0-1.05.
6. ALL TRENCH HEADERS TO BE TYPE I, POURED-IN-PLACE 4" REINFORCED CONC. SLAB FOR A WIDTH OF 4'-0" WITH A STEEL I-BEAM TYPE PARTITIONING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND SIZE. FOR DETAILS & CONSTRUCTION SEQUENCE SEE DWGS. FOR LOCATION & EXTENT OF TRENCH HEADER AND PARTITIONING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE EQUAL UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS. ONE DISPENSER AT EACH LAVATORY. ACCESS DOORS TO SHAFT OVERHEAD VALVES TO BE LOCATED IN ACCORDANCE WITH TILE CONTROL DIAGRAM. SEE TYPICAL TOILET DETAILS DWG. A-4.278.
9. GUIDE TO EXPOSED COLUMNS AS CALLED FOR SUCH AS 4 CONCRETE, STEEL ENCASED ETC. BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE UNIFORM AT EACH FINISHED FLOOR TO PROVIDE FOR PIPING, CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CANT'S ARE PROVIDED ON ALL BEAM PROJECTIONS OVER 6" MINIMUM (6"MIN.) DIMENSION IN ELEVATION, SLANTS AND SHALL BE MINIMUM 30° FROM HORIZONTAL. SEE TYPICAL DETAILS.
12. FOR FIREPROOFING OF PIPE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-1.06 TO A-AB-1.13.

BULLETINS, NOT DATED, ARE IN THE PROCESS OF COMPLETION

CONTRACT NO.	DRAWING	DATE	BY
	A-1.1	2-1-68	E.C.
	A-1.2	1-30-70	E.C.
	A-1.3	1-30-70	E.C.
	A-1.4	1-30-70	E.C.
	A-3.1	5-28-69	E.C.
	A-3.6	5-28-69	E.C.
	A-1.7	5-28-69	E.C.
	A-2.9	6-26-69	E.C.
	A-1.7	11-1-68	M.M.
	A-4.0	6-1-68	D.G.
	A-4.2	4-29-68	D.G.

REVISIONS

REGISTERED ARCHITECT — STATE OF NEW YORK

APPROVED: CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PARTIAL UTILITIES, FOUNDATIONS, PAVING

TITLE: 94TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/16"	DATE	7-30-69
PROJECT MANAGER		SHEET	OF
DRAWING NO.	A-A-150		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-1.1 TO A-1.5.
2. FOR COMPLETE "B" SCALE FLOOR PLAN SEE DRAWING A-B-101
3. ALL ELEVATIONS GIVEN THUS 7'0" ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FOR TYPICAL STAIR DETAILS SEE DWGS A-B-004 AND A-A-207.
6. ALL TRENCH HEADERS TO BE PREFORMED AT WORKFACE OF SLAB FOR A WIDTH OF 6'0" WITH A STAY-IN TYPE REINFORCING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER AND CONTRACTOR'S APPROVED SHOP DRAWING FOR LOCATION AND EXTENT OF TRENCH HEADER AND INSERTIONS.
7. FIN. FL. ELEV. ELEVATION AND TOP OF SLAB ELEVATIONS ARE 0'0" UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE DEPRESSIONS AT ALL MEN AND WOMENS TOILETS, [illegible] FOR LAVATORY ACCESS DOORS TO FINISH FLOOR [illegible] AS INDICATED ON FLOOR PLANS WITH FINISHED TILE FLOOR TO FINISH FLOOR.
9. PARTITIONS [illegible] ON LINE AND CALLED FOR SHOWN AS [illegible] AND ARE TO BE CONSTRUCTED FULL HEIGHT FROM [illegible] FINISHED FLOOR TO UNDERSIDE OF [illegible] SLAB, EXCEPT PARTITIONS AT ALL RAMPING AND ESCALATOR WELLS WHICH SHALL BE CONSTRUCTED AT SLOPE AS REQUIRED TO PROVIDE PROPER CEILING INSTALLATION AND CLEARANCE 7'-6" FROM SLOPE TO FLOOR.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS [illegible]
11. CHUTES ARE PLANNED ON ALL BEAM PROJECTIONS OVER 24" NOMINAL (8" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MAXIMUM OF FOUR HORIZONTAL SET TYPICAL DETAILS.
12. FOR PREFABRICATION OF FIRE PROOFING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-201 TO A-A-205.

NOTE: PATCHES OVER DUCTS ABOVE WITH 6 NEWMAT'S LAYERS OF METAL LATH 1½" SYNTHOMENTE PLASTER. RAKE TO DUCT. SEE SHEET A-11.1 FOR PENETRATIONS.

CORRIDOR

ELEVATOR MACHINE RM.

ELEV. LOBBY

ELEVATOR MACHINE RM.

TENANT SPACE

SECONDARY WATER PUMP RM.

ELEVATOR PENTHS.

ELEVATOR SHAFT

SECTION

COL. 701 & 801

COL. 803

COL. DETAILS

BULLETINS NOT DATED ARE IN THEIR APPROPRIATE PLACE OF CONSTRUCTION							
CONTRACT	BID	DRAWING	date 5-1-68				
				Δ	1-30-70	A-61	E.C.
				Δ	1-30-70	A-65	E.C.
				Δ	1-30-70	A-67	E.C.
				Δ	8-28-61	A-96	P.P.
				Δ	8-28-69	A-97	P.P.
				Δ	8-28-69	A-98	P.P.
				Δ	11-1-68	A-11	M.M.
Δ	6-18-71	A-114	L.L.	Δ	6-18-69	A-109	P.P.
Δ	6-18-71	A-104	D.T.	Δ	6-19-69	A-2	P.P.
Δ	7-1-71	A-103		Δ	" " 69		J.V.
NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
REVISIONS				REVISIONS			

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES MINORU YAMASAKI, ARCHITECT	EMERY ROTH & SONS RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON STRUCTURAL ENGINEERS	JAROS, BAUM & BOLLES MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES ELECTRICAL ENGINEERS	THE PORT OF NEW YORK AUTHORITY PAVING, UTILITIES, FOUNDATIONS

TITLE: 95TH FLOOR CORE PLAN

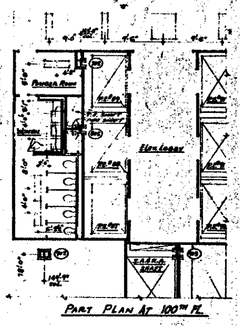
DRAWN		TRACED	
SCALE	1/8"	DATE	7-1-67
PROJECT MANAGER		CHECK	
SUBMITTED NUMBER			

A-A-151

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING A-0.1 TO A-0.4.
2. FOR COMPLETE DIMENSIONS AND NOTES IN ONE AREA SEE "A" SCALE UNIT DRAWING A-0.100.
3. ALL ELEVATIONS GIVEN (EX. 15'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIREPROOFED 4" UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A FIRM APPROVED BY THE ARCHITECTURAL SPECIFICATIONS FOR TYPE OF ELEC. CONDUITS & CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION & EXTENT OF TRENCH HEADERS AND FIREPROOFING.
6. CORRIDOR AND "DUST LIGHTING" LAYOUTS AS SHOWN. FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATIONS ARE TOP OF SLAB ELEVATIONS AND (T.S.F.) UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILINGS SEE "ELEC. FOR SUCH AS IN CLOSETS, STAIR, PARAPETS ETC. BOTTOM ELEVAT. OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'4" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____


Passenger Elevs
Elev Lobby
Elev Lobby
Service Elevs
Service Elevs

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS "A-A-1 TO A-A-6.
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DRAWING "A-A-100.
3. ALL ELEVATIONS GIVEN THUS (100') ARE IN RELATION TO PORT DATUM.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE APPROPRIATE ENGINEERS DRAWING.
5. FOR TYPICAL STAIR DETAILS SEE SHEETS "A-A-206 AND "A-A-207.
6. ALL TRENCH HEADERS TO BE LOCATED AT DIRECTION OF ENGINEER OR ARCHITECTURAL SPECIFICATIONS. FOR TYPE AND SIZE REFERENCE TO CONTRACTORS APPROVED SHOP DWG. PLANS FOR PLACEMENT OF ELECTRIC TRENCH HEADER AND FINISHING.
7. FACTOR POWER, ELEVATION OF TRAP TO SEAL DEPTHS AND CUT-OFF SHEETS COMPLIANCE CHANGE NO. NOTICE.
8. PLUMBING SHOP DRAWINGS OF ALL HOT AND CHILLED WATER, VENT SYSTEMS, AT NEW LOCATIONS, ACCESS DOORS TO HOUSE EXPANSION TRUNTS TO BE SUB-MITTED TO THE CONSULTING ENGINEERS FOR APPROVAL BEFORE INSTALLATION IN ACCORDANCE WITH THE SUBMITTED CHANGE ORDER CALLED FOR, SUCH AS IN SHEETS, STAIR ENCLOSURES ETC. BOTTOM ELEVATION OF ALL PIPING AND ENCLOSURES SHALL BE DETERMINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR PROPER CEILING HEIGHT AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR, CEILING IS INDICATED THUS:
11. LIGHTS, ARE PROVIDED ON ALL DRAIN PROTECTORS OVER 48" HORIZONTAL (CONCEALED IN CEILING) AND SHALL BE MAINTAINED TO GRADE HORIZONTAL. SEE TYPICAL DETAILS.
12. ALL ELEVATIONS AND DIMENSIONS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A.105 TO A-A.115.

NOTE: CONTRACT DUCT SHOWN WITH A DASHED LINE IS TO BE INSTALLED AFTER STRUCTURE IS ERECTED AND TO PLACE SEE WHICH ONE HAS PRIOR EXTENT OF CONSTRUCTION

PART PLAN AT 100TH FLOOR

PART PLAN AT 100TH FLOOR

PART PLAN AT 100TH FL.

PART PLAN AT 100TH FLOOR

DELETIONS NOT DATED JAN. 11 '68 PROCESS OF CONSTRUCTION

CONTRACT	BID	DRAWING	date 2-1-68
		2-1-71	A-1.13
		1-30-71	A-5.1
		1-30-71	A-6.3
		1-30-71	A-6.1
		5-23-69	A-24
		5-23-69	A-26
		5-23-69	A-17
		5-23-69	A-23
		11-1-68	A-7
		2-1-68	A-10

REVISIONS

REVISIONS

REGISTERED ARCHITECT

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKELLING, HELLE & GOLDSTONE
STRUCTURAL ENGINEERS

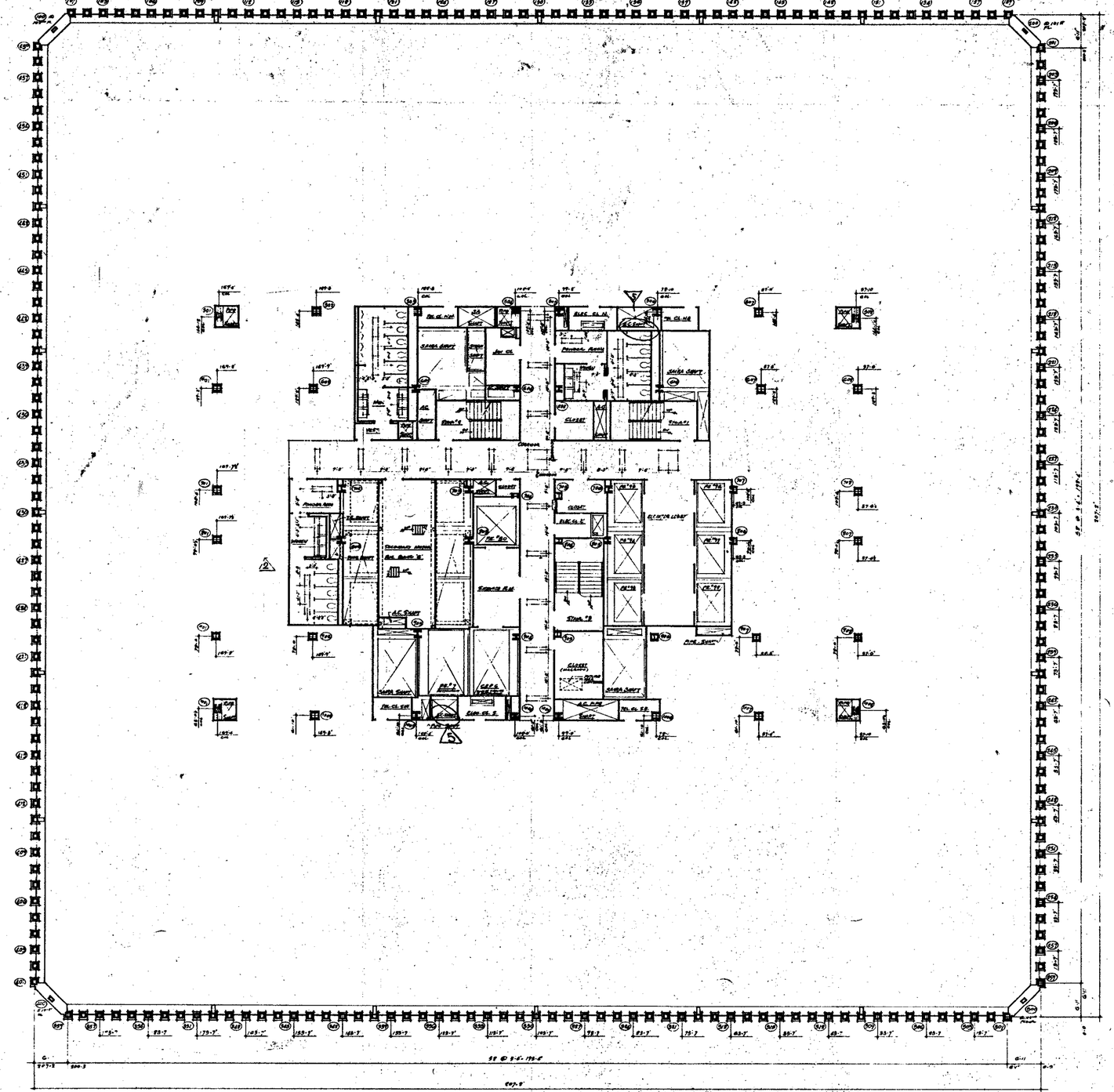
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
POWER, UTILITIES, FOUNDATIONS

TITLE: 96TH TO 100TH FL. CORE PLAN

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-67
PROJECT DIRECTOR		JOB NO.	
DRAWING NUMBER	A-A-151		



NORTH

NOTE:

1. FOR GENERAL NOTES KEY TO MATERIALS SYMBOLS ABBREVIATIONS FINISH SCHEDULE DOOR SCHEDULE, AND SYMBOLS ON DRAWINGS SEE ARCHITECTURAL DRAWING NO. A-A-1.
2. FOR COMPLETE DIMENSIONS AND NOTES IN CORE AREAS SEE 1/4" SCALE CORE DRAWINGS # A-A-185 AND A-A-186
3. ALL ELEVATIONS SHOWN THUS (+0.0) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A SPRAY-ON TYPE FIREPROOFING SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND ELEC. ENGINEERS & CONTRACTORS ATTENTION SHALL CHECK FOR LOCATION & EXTENT OF TRENCH HEADER AND FIREPROOFING.
6. CORRIDOR AND TOILET LIGHTING LAYOUTS AS SHOWN FOR ALL OTHER LIGHTING SEE ELECTRICAL DRAWINGS AND ARCHITECTURAL DETAILS.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0.0") UNLESS OTHERWISE SHOWN OR NOTED.
8. WHERE NO SUSPENDED CEILING ARE CALLED FOR SUCH AS IN CLOSETS, STAIR HALLWAYS ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHTS DOORS.
9. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____.

ADDENDA NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 9-1-66

NO.	DATE	DWG. NO.	BY
6	10-11	A-164	D.T.
5	9-1-71	A-125	W.T.
4	1-30-70	A-53	E.L.
3	5-12-69	A-17	M.S.
2	5-12-69	A-23	M.S.

REVISIONS

NO.	DATE	DWG. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

REGISTERED ARCHITECT STATE OF NEW YORK

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — EMERY ROTH & SONS
MINORU YAMASAKI, ARCHITECT — RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — JAROS, BAUM & BOLLES
STRUCTURAL ENGINEERS — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — THE PORT OF NEW YORK AUTHORITY
ELECTRICAL ENGINEERS — PAVING, UTILITIES, FOUNDATIONS

1/16" = 1'-0"

TITLE: 101ST & 102ND FLOOR PLAN

DRAWN — CHECKED —
SCALE 1/16 DATE 7-1-67
PROJECT No. — SHEET OF
DRAWING No. A-A-154

NOTE:
FURNISH DUCTS ABOVE MIN 8 DEPRESS LATERAL OF METAL LATH W/REMOVABLE FLASHING AS IF TO SUITS SEE MECH DWG FOR EXTENT OF PERFORMING

NOTES

1. FOR GENERAL NOTES, KEY TO ABBREVIATIONS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS # A-1.1 TO A-1.6.
2. FOR COMPLETE 1" SCALE FLOOR PLAN SEE DRAWING # A-A-104.
3. ALL ELEVATIONS GIVEN THUS (13'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE DRAWINGS DRAWING.
5. FOR TYPICAL STAIR DETAILS SEE DRWG'S A-A-104 AND A-A-106.
6. ALL TRENCH HEADERS TO BE INCORPORATED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" WITH 1 STEEL OR TYPE PREFORMING SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTOR'S APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND PREFORMING.
7. FINISH FLOOR ELEVATION AND "TOP OF SLAB ELEVATIONS ARE (10'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE TOILET PARTITIONS AT ALL MEN AND WOMEN'S TOILETS (SEE DETAILS) ACCESS DOORS TO SOAP DISPENSER VALVES TO BE LOCATED IN CORRIDOR AND NOT IN THE CUBICLES. SEE TOILET DETAILS ON DRWG. # A-A-106.
9. PROVIDE TOILET ROOMS WITH CERAMIC TILE WALLS AND FLOORS AS PER SPECIFICATIONS. TILE PATTERN AND COLOR TO BE SELECTED BY ARCHITECT. TILE TO BE INSTALLED AT 42" HEIGHT ABOVE FINISH FLOOR, SECTION PARTITION OF 6'-0" HIGH WITH 12" HIGH TILE BASE AT PERIMETER OF TOILET ROOMS. ALSO TO PROVIDE TILE PATTERN AT CERAMIC TILE WALLS AT SHOWERS AND ELEVATOR LOBBIES AS PER SPECIFICATIONS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CURTS ARE REQUIRED AT ALL RAIN PROJECTIONS OVER 8'0" HORIZONTAL (6" APART) DOWNSPOUT LOCATION, QUANTITY AND SIZE SHOWN WITH TYP. FRAME AND CURTAIL SEE TYPICAL DETAILS.
12. FOR PROPOSED USE OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-105 TO A-A-106 INC.

BULLETINS NOT DATED ARE IN THE PROCESS OF PREPARATION

CONTRACT NO. DRAWING date 2-2-68

NO.	DATE	SUB. NO.	BY
6	6-8-71	A-114	L.L.
5	4-8-71	A-144	D.Z.
4	2-1-71	A-116	L.L.
3	9-1-71	A-113	L.L.
2	1-30-70	A-61	E.C.
1	1-30-70	A-63	E.C.

REVISIONS

NO.	DATE	SUB. NO.	BY
1	1-30-70	A-67	L.L.
2	5-23-69	A-31	L.S.
3	5-23-69	A-26	L.S.
4	5-23-69	A-17	L.S.
5	5-23-68	A-23	L.S.
6	8-1-68	A-7	M.M.
7	8-1-68	A-20	D.G.
8	8-28-68	A-5	D.G.
9	1-29-68	A-6	D.G.
10	3-18-68		J.W.L.

REVISIONS

REGISTERED ARCHITECT

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE
101ST FLOOR-CORE PLAN

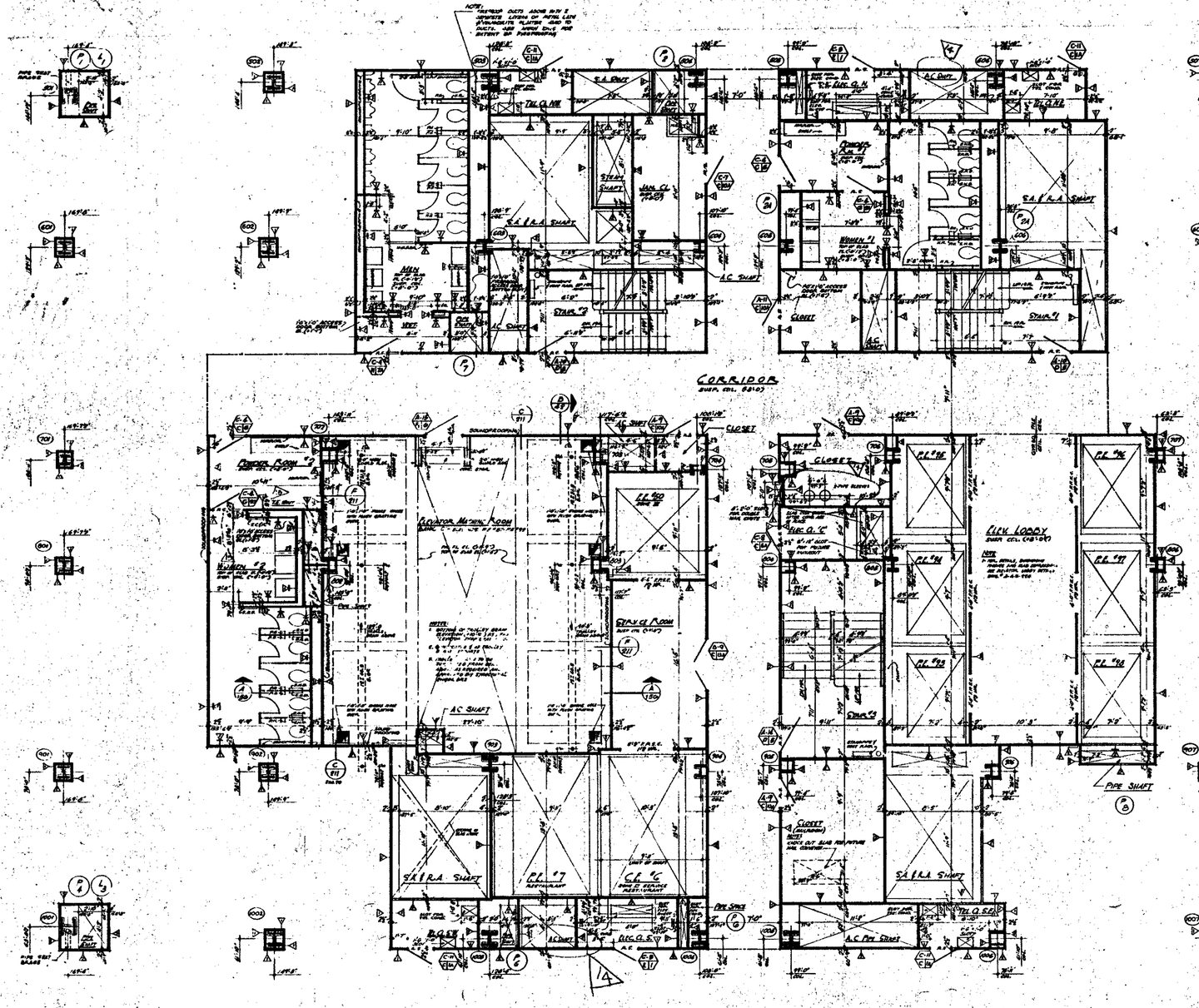
SCALE 1/8"=1'-0" | DRAWN | CHECKED | DATE 7-8-71
PROJECT DIRECTOR | SHEET OF
PROJECT MANAGER

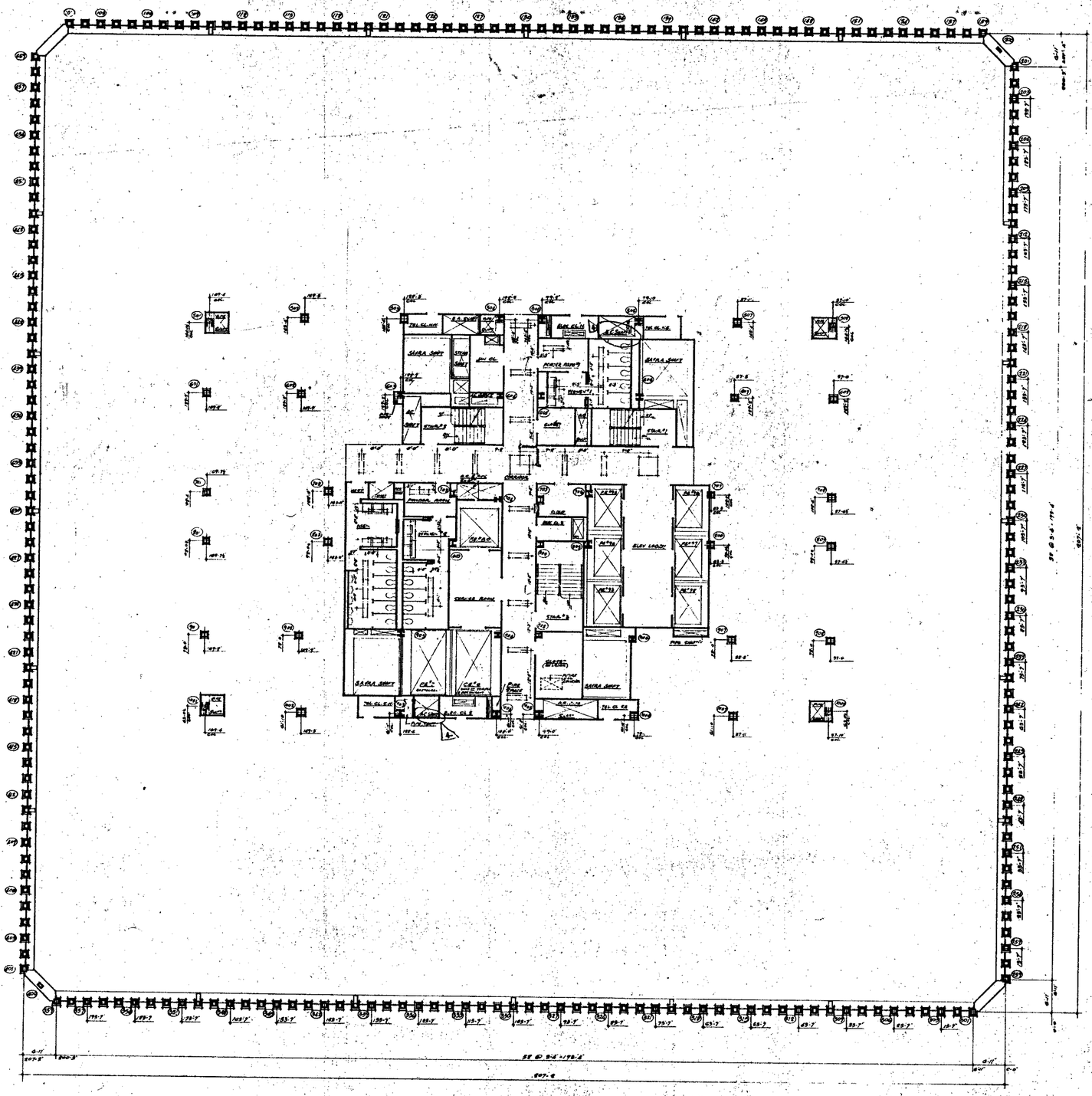
DRAWING NO. A-A-135

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.5.
2. FOR COMPLETE 6 WALL FLOOR PLAN SEE DRAWING A-A-156.
3. ALL ELEVATIONS GIVEN THUS (10.00') ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWGS A-A.5-108 AND A-A.5-206.
6. ALL TRENCH HEADERS TO BE PREFINISHED IN UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A EPOXY-TYPE PAINT-COATING, SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL DRAWINGS AND CONTRACTORS APPROVED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADERS AND PARTITIONING.
7. EACH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS) (A.S.L.) UNLESS OTHERWISE SHOWN ON NOTED.
8. FINISH SLOPE (GRADES) OF ALL MEN AND WOMEN'S TOILETS, DUCT ENCLOSURES AT (A.S.L.) FLOORS, SHALL BE SLOPED TO DRAIN FLOOR DRAINS, WHICH TO BE LOCATED IN ACCORDANCE WITH TITLE DRAWINGS AND TYPICAL TOILET DETAILS DWG. NO. A-A.5-206.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPES AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR TO ALLOW FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CANTS ARE REQUIRED IN ALL BEAM PARTITIONS OVER 8'0" NOMINAL (4" METAL STUD PARTITIONS, SLABS TO U.S. SEE SECTIONS FOR MIN. HORIZONTAL.
12. FOR DIMENSIONING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A5 206 TO A-A0.5.6





NORTH

NOTES:

1. FOR GENERAL NOTES SEE TYPICAL FLOOR PLAN.
2. FOR FINISHES, DOOR SCHEDULE AND LEGEND OF SYMBOLS SEE TYPICAL FLOOR PLAN.
3. FOR COLUMN NUMBERS SEE KEY PLAN.
4. ALL ELEVATIONS GIVEN "AWE (10'-0") ARE IN RELATION TO PROJECT DATUM.
5. FOR MECHANICAL AND ELECTRICAL SYMBOLS AND ABBREVIATIONS SEE DRAWING P-1.
6. ALL TRENCH HEADERS TO BE PREFABRICATED AT LOCATIONS OF SLAB PAD, A RUN AT 6'-0" WITH A CAPACITY OF TWO PIPE RISERS. SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND ELEC. DRAWINGS E-1 & E-2 FOR SIZE AND LOCATION. REFERENCE SHOP DRAWING FOR LOCATION & SIZE OF TRENCH HEADER AND PENETRATIONS.
7. CONTRACTOR SHALL VERIFY LOCATION OF ALL OPENINGS WITH ALL OTHER TRADES.
8. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE FIGURED UNLESS OTHERWISE NOTED.
9. WHERE NO SUPERELEV. SHOWN USE SLOPE TO ½" GUTTER, STAIR PREPARED ETC. BOTTOM ELEVATION OF SLAB AND STRUCTURAL SHALL BE MAINTAINED AT 8'-4" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE 2½" INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
10. EXTENT OF PUBLIC OCCUPANCY LEASE IS INDICATED THUS: _____

BULLETINS NOT LISTED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date 2-1-68

NO.	DATE	SUBJ. NO.	BY
4	6-18-71	A-184	D.T.
3	4-1-71	A-183	L.T.
2	1-20-70	A-38	A.A.
1	2-12-69	A-17	M.D.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/16"-1'-0" 0 5 10 15 20

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
DRAINAGE, UTILITIES & FOUNDATIONS

TITLE: 103rd FLOOR PLAN

DRAWN		CHECKED	
SCALE	1/16"-1'-0"	DATE	12-1-67
PROJECT MGR.		SHEET	OF
DRAWING NO.	A-A-157		

NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULE AND INDEXES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-6.
2. FOR COMPLETE ½" SCALE FLOOR PLAN SEE DRAWING A-A-157.
3. ALL ELEVATIONS GIVEN THUS (EL+0) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-A-104 AND A-A-105.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 2'-0" WITH A SPRAYED FIRE PROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEER AND CONTRACTORS EMPLOYED SHOP DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN'S AND WOMEN'S TOILETS. FOR LOCATIONS, SEE PLANS. FOR SPECIFICATIONS REFER TO ARCHITECTURAL SPECIFICATIONS.
9. WHERE AIR SUPPLIED DIFFUSERS IN CEILING ARE SHOWN IN CORRIDORS, FOR REQUIRED ELEV. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL AIR DUCTS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CURTS ARE REQUIRED ON ALL BEAM PENETRATIONS OVER 18" DEEP (ACTUALLY DIMENSIONED IN LOCATION PLANS) AND SHALL BE 24" WIDE AT 10'-0" VERTICAL SEE TYPICAL DETAILS
12. FOR FIREPROOFING OF PIPE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A8-206 TO A-A8-212

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING - dated 3-1-68

NO.	DATE	SUBJ.	INIT.
1	11-5-70	A-156	LJL
2	1-10-70	A-151	AS
3	1-30-70	A-158	AS
4	1-30-70	A-147	EC
5	5-23-69	A-131	LJL
6	5-23-69	A-126	LJL
7	5-23-69	A-117	LJL
8	5-23-69	A-123	LJL
9	11-1-68	A-111	MJL
10	4-1-68	A-100	DJB

REVISIONS

REGISTERED ARCHITECT — NEW YORK STATE

APPROVED

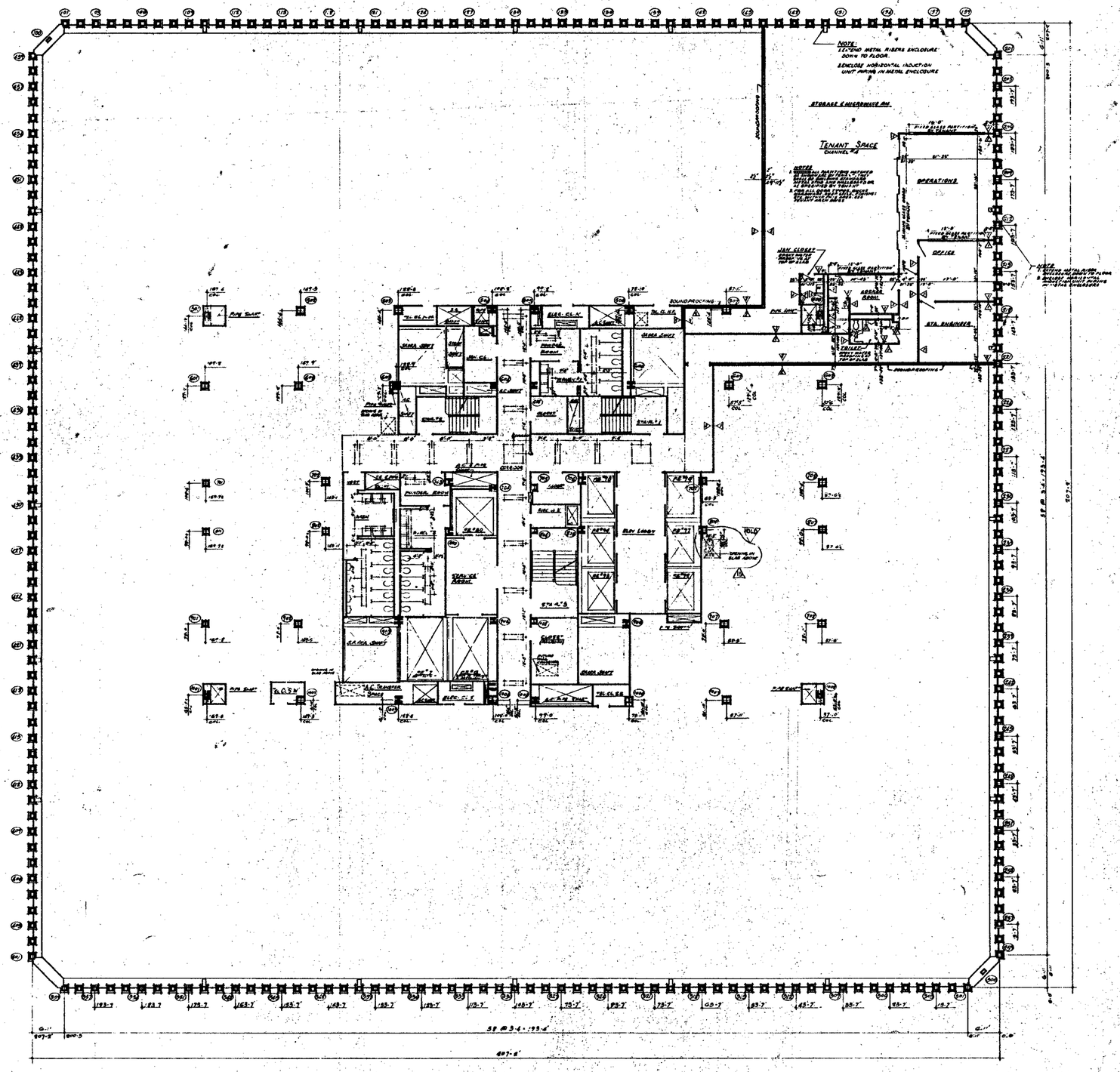
CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, OPERATIONS

TITLE: 103rd FLOOR CORE PLAN

SCALES: ½" = 1'-0" — SUBMITTED — 12-4-67
PROJECT — SHEET — OF
DRAWING NUMBER: A-A-158


NOTE:
1. ENCLOSE METAL RISERS ENCLOSURE DOWN TO FLOOR.
2. ENCLOSE HORIZONTAL INDUCTION UNIT PIPING IN METAL ENCLOSURE
STORAGE & MICROWAVE RM.
TENANT SPACE
CHANNEL #4
OPERATIONS
OFFICE
ELEC. CLOSET
SOUNDPROOFING
SOUNDPROOFING
STAIR #1
STAIR #2
ELEV. LOBBY
MECH. EQUIP. ROOM
ELEC. CLOSET
A.C. TRANSFER SPACE
ELEC. CLOSET
STAIR #3
STAIR #4
SOUNDPROOFING
SOUNDPROOFING
SOUNDPROOFING

NORTH

TENANT SPACE
CHANNEL "A"

CORRIDOR

SAIBA SHAFT

CLEK LOBBY

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR, INTERIORS AND INTERIORS OF DRAWINGS SEE DRAWINGS # A-A1 TO A-A9.
2. FOR COMPLETE 16" SCALE FLOOR PLAN SEE DRAWING # A-A-15.
3. ALL ELEVATIONS GIVEN THUS (+00.0) ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS, SEE PROPERTIES ENGINEERS DRAWING
5. FOR TYPICAL STAIR, DETAILS SEE SHEETS A-B-104 AND A-A-B-104
6. ALL FINISH MARBLE TO BE PREPARED AT ENCLOSURE OF 6.48 / MIN. 3 WIDTH OF 4'0" WITH 1 SPEAKER TYPE WATERPROOFING, SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS APPLYING AND PLACING FOR LOCATION AND EXTENT OF FINISH MARBLE AND WATERPROOFING.
7. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0.0) UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SOAP DISPENSERS AT ALL MEN AND WOMEN'S TOILETS AND DISPENSERS AT EACH LAVATORY BOWL. SOAPS TO BE SOAP DISPENSER VALVE TO BE APPROVED BY ARCHITECTS AND ENGINEERS SEE TYPICAL TOILET DETAILS SHEET No. A-A-B-104.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR SHOP AS IN CLOSETS, STAIR LANDINGS ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK TO BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL LIGHT DOORS.
10. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
11. CANTS ARE REQUIRED ON ALL BEAMS PROJECTING OVER 4'0" NOMINAL (STARTING) DIMENSION IN ELEVATION. CANTS ARE SHALL BE MINIMUM 2'0" FROM HORIZONTAL. SEE TYPICAL DETAILS
12. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A9-B14 TO A-A9-B12.

1/8"-1'0"

REVISION			REVISIONS			REVISIONS		
NO.	DATE	BULL. NO. BY	NO.	DATE	BUL. NO. BY	NO.	DATE	BUL. NO. BY
3	9-15-76	A-880 LJ	6	9-28-74	A-406 LJ	11	11-6-70	A-108 LJ
			5	9-25-74	A-396 LJ	10	4-29-70	A-81 "
			4	6-1-73	A-253 LJ	9	1-30-70	A-51 AB
			3	VOID	A-246 LJ	8	1-30-70	A-38 AB
			2	8-28-72	A-235 LC	7	1-30-70	A-47 LJ
			1	11-21-71	A-197 LC	6	5-25-69	A-51 LJ
			0	8-18-71	A-183 DT	5	3-25-69	A-16 LJ
				6-14-71	A-164 DT	4	8-23-68	A-17 LJ
				4-1-71	A-133 LJ	3	5-24-68	A-23 LJ
				1-1-71	A-125 LJ	2	6-11-68	A-10 DB

CONTRACT NO. DRAWING: date 8-2-68

REGISTERED ARCHITECT

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

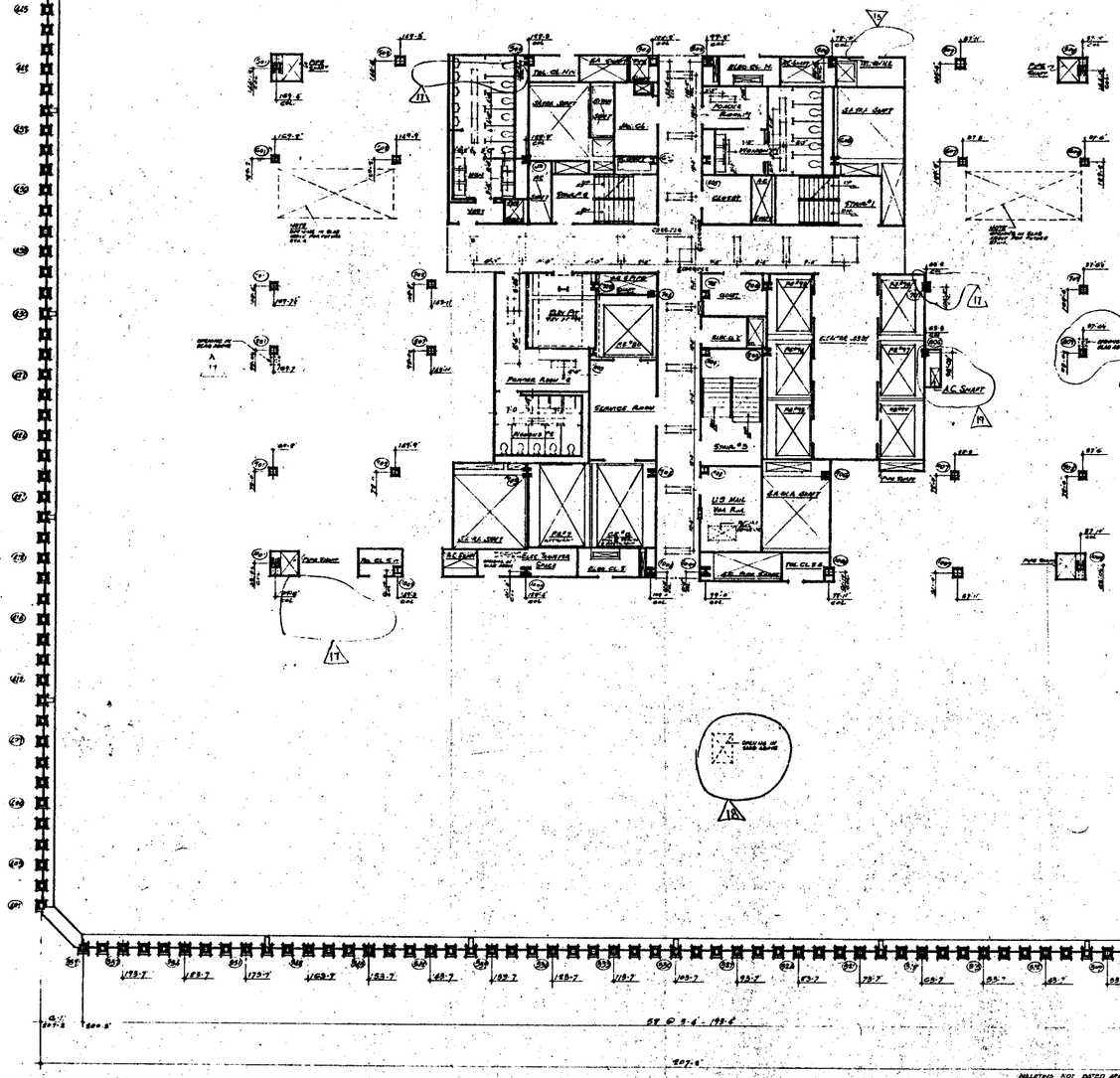
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 104TH FLOOR CORE PLAN

DRAWN		CHECKED	
SCALE	1/8"-1'0"	DATE	7-8-68
TRACED		CHECKED	
APPROVED		DATE	

A-A-160



NORTH

NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, FINISHES, FOOTINGS, SYMBOLS AND ABBREVIATIONS SEE DRAWING A-001 SERIES.
2. FOR EXACT DIMENSIONS AND NOTES IN CORE AREA SEE
3. ALL ELEVATION SHOWN THUS (+47.62) ARE IN RELATION TO PORT AUTHORITY DATUM.
4. FOR MECHANICAL AND ELECTRICAL UTILITY AND DISTRIBUTION SYSTEMS SEE
5. ALL TRADES INVOLVED TO BE PREPARED TO COORDINATE THEIR WORK WITH ALL OTHER TRADES. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE ANY WORK IS INSTALLED. FINAL LOCATION & DETAILS OF TRADES SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER.
6. CHECK ALL TRUE LIGHTING LAYOUTS AT STRUCTURE, ALL OTHER LIGHTING AND ELECTRICAL WORK SHALL BE AS SHOWN ON ELECTRICAL DRAWINGS.
7. FINISH FLOOR OUT TOP AND TOP OF SLAB ELEVATIONS ARE FROM; UNLESS OTHERWISE NOTED IN NOTES.
8. WHERE NO FURRING DETAILS ARE CALLED FOR, ALL EXPOSED CONCRETE WALLS AND CEILINGS SHALL BE FURRED AS SHOWN ON TYPICAL FURRING DETAILS. ALL FURRING SHALL BE STOPPED AT 8'-0" ABOVE FINISH FLOOR OR AS NOTED ON PLANS.
9. EXTENT OF FIRE RESISTIVE CONSTRUCTION AS INDICATED THUS: ———————

BULLETINS NOT DATED APE AT THE TIME OF COMPLETION

CONTRACT NO	DRAWING DATE	2-9-66			
				6-18-71	A-105
1-23-74	A-106	L.J.		4-1-71	A-125
1-22-74	A-106	L.J.		4-1-71	A-123
1-21-74	A-106	L.J.		4-1-71	A-77
8-1-72	A-260	L.J.		6-15-70	A-86
VOID	A-260	L.J.		6-22-70	A-81
7-17-71	A-177	L.C.		6-22-70	A-84
7-17-71	A-100	L.C.		1-26-70	A-84
6-18-71	A-170	D.G.		5-15-69	A-72
6-18-71	A-168	D.T.		5-15-69	A-77

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & MCKENZIE
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 105TH FLOOR PLAN

DESIGNED		CHECKED	
DRAWN		DATE	1 JULY
PROJECT MANAGER		SCALE	
APPROVED		DATE	

A·A·161

NORTH

NOTES

1. FOR GENERAL "NOTES", KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-9.
2. FOR COMPLETE "B" SCALE FLOOR PLAN SEE DRAWING A-A-101.
3. ALL ELEVATIONS GIVEN THUS (EL00'0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE REFLECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRWGS A-A-5-106 AND A-A-5-108.
6. ALL TRENCH HEADERS TO BE WATERPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 6'-0" WITH A BITUMEN TYPE WATERPROOFING AND ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTORS METHODS AND DRAWINGS FOR LOCATION AND EXTENT OF TRENCH HEADER AND PENETRATIONS.
7. FINISH FLOOR ELEVATION (TOP OF SLAB ELEVATIONS) ARE (00'-0") UNLESS OTHERWISE SHOWN OR NOTED.
8. PROVIDE SHOP DRAWINGS AT ALL NEW AND REMOVED TRUNKS.
9. THE DOOR CODES (F, C&P, LAUNDRY, ACCESS DOORS TO SHAFT, DISPOSERS, VALVES TO BE LOCATED IN ACCORDANCE WITH THE CODING SHOWN ON TYPICAL TOILET PLANS A-A-5-101 AND 102.
10. WHERE DIMENSIONS ARE NOT GIVEN FOR CLOSETS, SHAFTS, ETC. (EXCEPT IN ELEVATOR), ITEMS ARE TO BE CENTERED ON GRID LINES.
11. ALL PIPING AND DUCTWORK SHALL BE CONCEALED AT SLAB FINISH. PROVIDE BLOCK TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
12. EXTENT OF PUBLIC CORRIDOR CEILING IS INDICATED THUS: _____
13. CENTS ARE DERIVED BY ALL DIMENSIONS GIVEN, ALL NOMINAL (ACTUAL) DIMENSIONS ALLOWANCE SHOULD BE MINIMUM 7/8" FROM (CMU) TYP. SEE TYPICAL DETAILS.
14. FOR PREFIXING OF FREE STANDING CEILINGS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-AB-106 TO A-AB-108.

NOTE: THERMOUP DUCTS ABOVE MEN'S & WOMEN'S TOILETS LOCATED AT WEST SIDE OF BUILDING TO BE INSULATED WITH 1" MINIMUM PLASTER PIPE TO DUCT. SEE MECHANICAL DRAWINGS FOR EXTENT OF PERIMETER.

NOTE: SEE DRWG. A-A-5-106 FOR ADDITIONAL INFORMATION

NOTE: SEE DRWG. A-A-5-106 FOR ADDITIONAL INFORMATION

CORRIDOR

NOTE: PROVIDE 1" RIGID INSULATION ON UNDERSIDE OF SLAB AT ELEVATOR MACHINE ROOM AND ELEVATOR SHAFT WALLS. SEE MECHANICAL DRAWINGS FOR EXTENT OF INSULATION.

NOTE: SEE DRWG. A-A-5-106 FOR ADDITIONAL INFORMATION

NOTE: PROVIDE 1" RIGID INSULATION ON UNDERSIDE OF SLAB AT ELEVATOR MACHINE ROOM AND ELEVATOR SHAFT WALLS. SEE MECHANICAL DRAWINGS FOR EXTENT OF INSULATION.

"SKELETON" NOT UNITED ARE IN THE PROCESS OF COMPLETION

CONTRACT BID DRAWING date 6-9-66

NO.	DATE	SUBJ.	BY
1	9-25-74	A-606	L.J.
2	9-26-74	A-646	L.J.
3	9-27-74	A-654	L.J.
4	11-15-74	A-695	L.J.
5	2-1-75	A-866	L.J.
6	VOID	A-868	L.J.
7	1-23-76	A-913	L.C.
8	10-27-7	A-997	L.C.

REVISIONS

NO.	DATE	SUBJ.	BY
A	6-15-7	A-170	D.G.
B	6-8-7	A-186	D.T.
C	6-18-7	A-185	L.J.
D	9-1-7	A-125	L.J.
E	9-1-7	A-126	L.J.
F	9-1-7	A-123	L.J.
G	9-1-70	A-97	R.T.K.
H	6-22-70	A-96	L.J.
I	6-22-70	A-97	L.J.
J	6-22-70	A-96	L.J.

REVISIONS

NO.	DATE	SUBJ.	BY
A	5-13-70	A-73	A.L.
B	1-30-70	A-81	E.K.
C	1-30-70	A-83	E.C.
D	1-30-70	A-87	E.C.
E	5-13-91	A-91	D.L.
F	5-13-91	A-92	D.L.
G	5-13-91	A-96	D.L.
H	5-13-91	A-97	D.L.
I	81-66	A-10	D.G.
J	81-66	A-	D.G.

REVISIONS

SUBMITTED: _____ DATE: _____

CHIEF, FE. MECHANICAL DIVISION

DATE: _____

REGISTERED ARCHITECT

THE WORLD TRADE CENTER

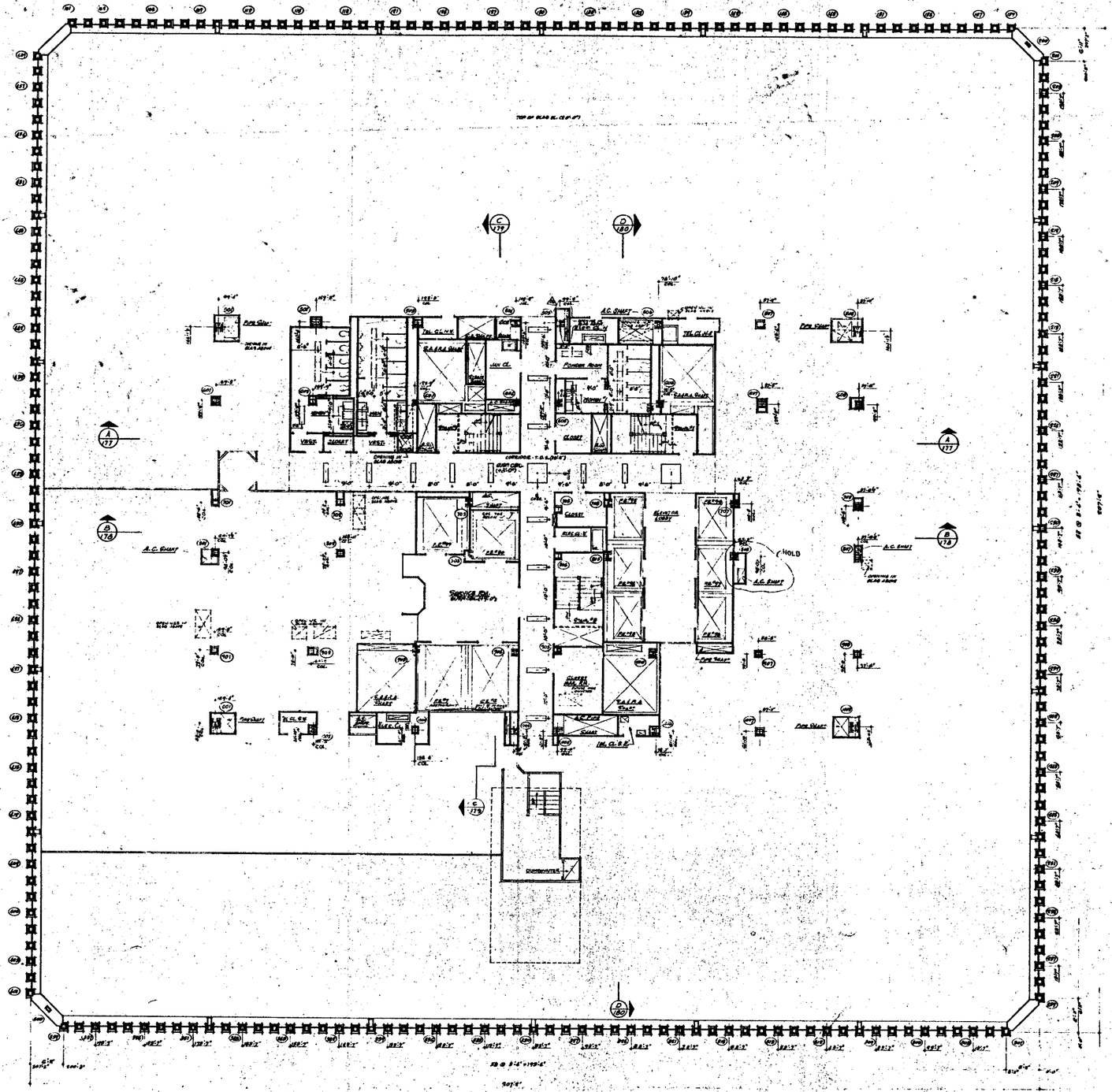
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH P. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/8"-1'-0"

TITLE: 105TH FLOOR CORE PLAN

BAY SIZE		CHECKED	
SCALE	1/8"=1'-0"	DATE	6-67
PROJECT NUMBER		TYPING	
DRAWING NUMBER	A-A-162		


A.C. SHAFT
TEL. CLOSET
ELEVATOR LOBBY
CLOSET
SERVICE RM.
HOLD
A.C. SHAFT
ELEVATOR LOBBY
CLOSET
A.C. SHAFT
CLOSET
A.C. SHAFT
CLOSET
A.C. SHAFT

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS & CODE SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWING A-1.1 TO A-1.4.
2. FOR COMPLETE 5" SCALE FLOOR PLAN SEE DRAWING A-2.0-102
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO FINISH FLOOR.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-2.0-206 AND A-2.0-208.
6. ALL HEAVY LINES TO BE INTERPRETED AS UNDERCUTS AT FLOOR FOR A NOMINAL 4 1/2" HIGH GYPSUM TYPE K ASBESTOS PLASTER. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL SERVICE AND CONTINUITY OF FINISHED FLOOR ELEVATIONS.
7. FOR LOCATION AND EXTENT OF TELEPHONE BOARDS AND CABINETS SEE ELECTRICAL DRAWINGS.
8. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE SHOWN ON SECTIONS WHERE NOTED.
9. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, EACH AS IN CORRIDOR, STAIR, TOILET ROOMS ETC., BOTTOM ELEVATION OF ALL PIPING AND ELECTRICAL SHALL BE INVERTED AT ELEVATIONS SHOWN TO PROVIDE FOR ACTUAL INSTALLATION AND CLEARANCE OF FULL HEIGHT DUCTS.
10. ONLY THOSE FLOOR OPENINGS OVER 25" NOMINAL (24" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 36" FROM WINDOW WALL. SEE TYPICAL DETAILS.
11. FOR FIREPROOFING OF HOSE STANDING COLUMNS AND TYPICAL PARTITION DETAILS SEE DRAWINGS A-A2.0-206 TO A-A2.0-212.
12. FOR FINISH SCHEDULES SEE DRAWING A-A.1-103.
13. FOR TOILET ROOM CHECKLISTS AT ALL MEN AND WOMEN'S TOILETS, ONE DISPENSER AT EACH LAVATORY, ACCESS DOORS TO PLUMBING SHUTOFF VALVES TO BE LOCATED AS SHOWN, FINISH TILE FLOORING AND TYPICAL PARTITIONS SEE DRAWING A-A2.0-214.
14. ALL SLAB NOTES SHOWN OTHER THAN 5'-0" SLAB ARE N.I.C. RAISED SLAB.
15. EXTENT OF PUBLIC CORRIDOR, CEIL., AS INDICATED THUS
16. ALL WALL & PARTITIONS SHOWN HATCHED, ARE IN THIS CONTRACT ALL WORK NOT HATCHED IS IN A SEPARATE CONTRACT BY OTHERS. WHERE WORK IS IN THIS CONTRACT, CONTRACTOR SHALL COORDINATE WITH OTHERS & HAVE ALL WORK SO THAT COMPLETED WORK IS CONTINUOUS AND UNIFORM UNLESS OTHERWISE SHOWN FOR WORK BY OTHERS, A PIPE CHROMIUM ONLY.

PART PLAN OF INTERMEDIATE LEVEL

1/8" = 1'-0"

9-8-75	A-421	LJ	7-17-73	A-250	LJ	6-6-71	A-105	LJ	1-1-71	A-47	LJ												
9-8-75	A-420	LJ	6-1-73	A-966	LJ	9-1-71	A-109	LJ	5-27-69	A-31	RC												
9-17-75	A-416	LJ	V010	A-966	LJ	9-1-71	A-103	LJ	5-19-69	A-21	RC												
1-8-75	A-410	LJ	1-28-74	A-213	LC	11-6-70	A-108	LJ	5-19-69	A-24	RC												
9-23-76	A-408	LJ	12-27-73	A-197	LJ	9-11-70	A-97	LJ	5-19-69	A-7	RC												
5-28-76	A-406	LJ	12-27-73	A-196	LC	8-25-70	A-96	LJ	5-19-69	A-29	RC												
9-23-76	A-405	RB	6-18-73	A-183.1	DT	8-25-70	A-91	LJ	11-1-68	A-11	MH												
9-15-76	A350 SHEET 5	LJ	6-15-73	A-104.1	DT	6-25-70	A-98	LJ	8-16-68	A-10	DG												
11-26-74	A-382	LJ	6-18-71	A 104	DT	1-24-	A-51	LJ	8-23-68	A-8	DG												
9-15-72	A-377	DS	6-18-71	A-367	LJ	1-30-71	A-53	LJ	5-16-68		LVL												

CONTRACT BID DRAWING date 5 7-65

NO.	DATE	REVISION	BY
		REVISIONS	

NO.	DATE	REVISION	BY
		REVISIONS	

NO.	DATE	REVISION	BY
		REVISIONS	

APPROVED

DATE

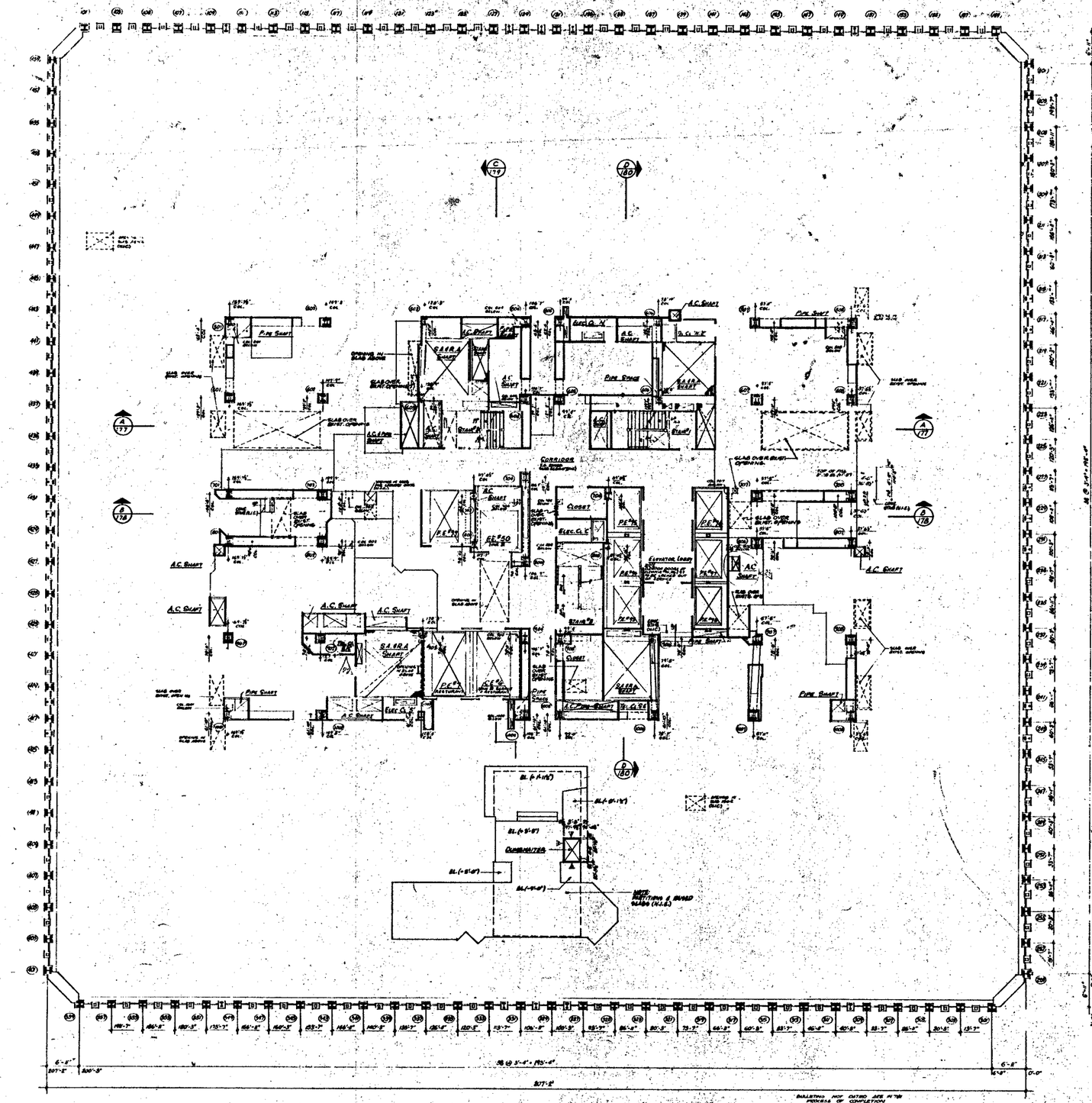
THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL AND ELECTRICAL ENGINEERS
JOSEPH R. LORINO & ASSOCIATES — SOILS AND GEOLOGICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 106TH FLOOR CORE PLAN

DRAWING NO. A-A-164



NORTH

NOTES

1 - FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DWGS. A-1.0-1.1 TO A-1.0-1.8.
2 - FOR COMPLETE 'W' SERIES CORE PLANS SEE DWG. A-A-100.
3 - ALL ELEVATIONS SHOWN THUS (10'-0") ARE IN RELATION TO FINISH FLOOR OF 'B' METROPOLITAN DATUM UNLESS OTHERWISE SHOWN OR NOTED.
4 - FOR MECHANICAL, CIVIL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DWGS.
5 - FOR TYPICAL STAIR DETAILS SEE DWGS. A-A-204 AND A-A-205.
6 - WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN ELEVATOR LOBBIES, CORRIDORS, ETC., TOP OF ELEVATOR DOORS, 8'-0" AND DOOR FRAMES, 8'-0" ABOVE FINISH FLOOR.
7 - ALL DOORS TO BE FLUSH TYPE, PROVIDE CLEARANCE AS REQUIRED FOR OPENING DIMENSIONS AND CLEARANCE OF THE NATURE SHOWN.
8 - REFERENCE FLOOR LEVEL (+0'-0") AS NOTED ON RESPECTIVE DRAWINGS.

FINISH SCHEDULE

SPACE	FLOOR FINISH	BASE	WALLS MATERIALS	WALLS FINISH	CEILINGS MATERIALS	CEILINGS FINISH	REMARKS
STAIR "J, G, E"							
TEL. CL. 'W'							
ELEC. CL. 'W'							
ELEC. CL. 'E'							
CLOSETS							
TENANT SPACE							
ELEVATOR LOBBY							
CORRIDOR							

PART PLAN - INTER. LEVEL (N.I.C.)

CONTRACT NO	DRAWING	DATE
9-8-73	A-690	L.J.
1-8-74	A-810	L.J.
9-13-74	A-808	L.J.

REVISIONS

DRAWING	DATE
A-10-1	L.J.
A-100	L.J.
A-101	L.J.
A-103	L.J.
A-105	L.J.
A-97	R.T.A.
A-98	L.J.
A-99	L.J.
A-99	L.J.
A-100	E.K.
A-97	E.K.
A-101	POMA

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS & LIGHTING

THE PORT OF NEW YORK AUTHORITY
SAVING UTILITIES; FOUNDATIONS

TITLE: 107th Floor Plan
RESTAURANT LEVEL

SCALE: 1/8"-1'-0"
DATE: 10-01-74
PROJECT NO.
DRAWING NO. A-A-165

NORTH

NOTE:

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A1 TO A-A6.
2. FOR COMPLETE 'G' SCALE PLANS, PLAN AND SECTIONS, SEE DRAWINGS A-A10 TO A-A15.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO PROJECT FLOOR, WHICH IS EL 110'-0" UNLESS OTHERWISE SHOWN OR NOTED.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-A6-101 AND A-A6-102.
6. ALL TRENCH HEADERS TO BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING. SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND ELECTRICAL ENGINEERS AND CONTRACTOR ARE ADVISED PRIOR TO LOCATION AND EXTENT OF TRENCH HEADER AND FIREPROOFING.
7. WHERE NO SUSPENDED CEILING ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR, PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" (+8'-6") ABOVE FINISH FLOOR. FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
8. CENTS ARE REQUIRED ON ALL DRAIN PIPE RUNNING OVER 5% NO 1 INCH (+5'-0") DIAMETER IN FLOORS SHOWN ON PLANS AND SHALL BE GRADED TO FROM HORIZONTAL. SEE TYPICAL DETAILS.
9. FOR FIREPROOFING OF FREE STANDING COLUMNS AND TYPICAL BEAM/FLOOR JUNCTION DETAILS SEE DRAWINGS A-A6-104 TO A-A6-106.
10. FOR FINISH SCHEDULE SEE DRAWING A-A1-101.
11. FOR DIAGONAL BRACING THAT IS SHOWN UNDISCLOSED SEE TYPICAL DETAILS OF DIAGONAL BRACING FOR EXTENT OF ENCASEMENTS.
12. REFERENCE FLOOR LINE IS UNLESS NOTED OTHERWISE.
13. ALL WALLS OR PARTITIONS MARKED WITH SUBSCRIPTS ARE IN THIS CONTRACT. ALL WORK AND MATERIALS IN THE ALTERATIONS, INSTALLATIONS OF EQUIPMENT, ETC. IN EXISTING AREAS SHALL BE PERFORMED IN A MANNER THAT WILL NOT INTERFERE WITH THE NORMAL OPERATIONS OF THE BUILDING. EXISTING SERVICES WHICH MAY HAVE TO BE MOVED, IN ORDER TO CARRY OUT THE WORK SHALL BE MAINTAINED IN USE.
14. ALL WORK NOTED SHALL APPLY TO BOTH THE EAST SIDE AND WEST SIDE BUILDINGS.

SECTION A/166 THRU STAIR "3"

DRAWINGS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BSL. NO.	BY
1	9-6-75	A-460	LJ

REVISIONS

CONTRACT	BID DRAWING	date					
9-17-75	A-416	LJ	8	6-27-75	A-46	LJ
1-5-76	A-410	LJ	8	5-5-76	A-79	EC
9-29-76	A-408	LJ	8	1-30-76	A-47	EC
9-23-76	A-408	EC	8	5-23-69	A-77	QL
6-18-76	A 387	DS	8	5-23-69	A-76	QL
9-1-76	A-250	DS	8	5-23-69	A-17	QL
VOID	A-168	QL	8	11-1-68	A-11	MM
1-18-76	A-215	LC	8	6-1-68	A-10	QG
11-17-71	A-197	LC	8	4-22-68	A-2	QG
11-17-71	1-198	LC	8	3-0-68		MV

NO.	DATE	BSL. NO.	BY

REVISIONS

NO.	DATE	BSL. NO.	BY

REVISIONS

NO.	DATE	BSL. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

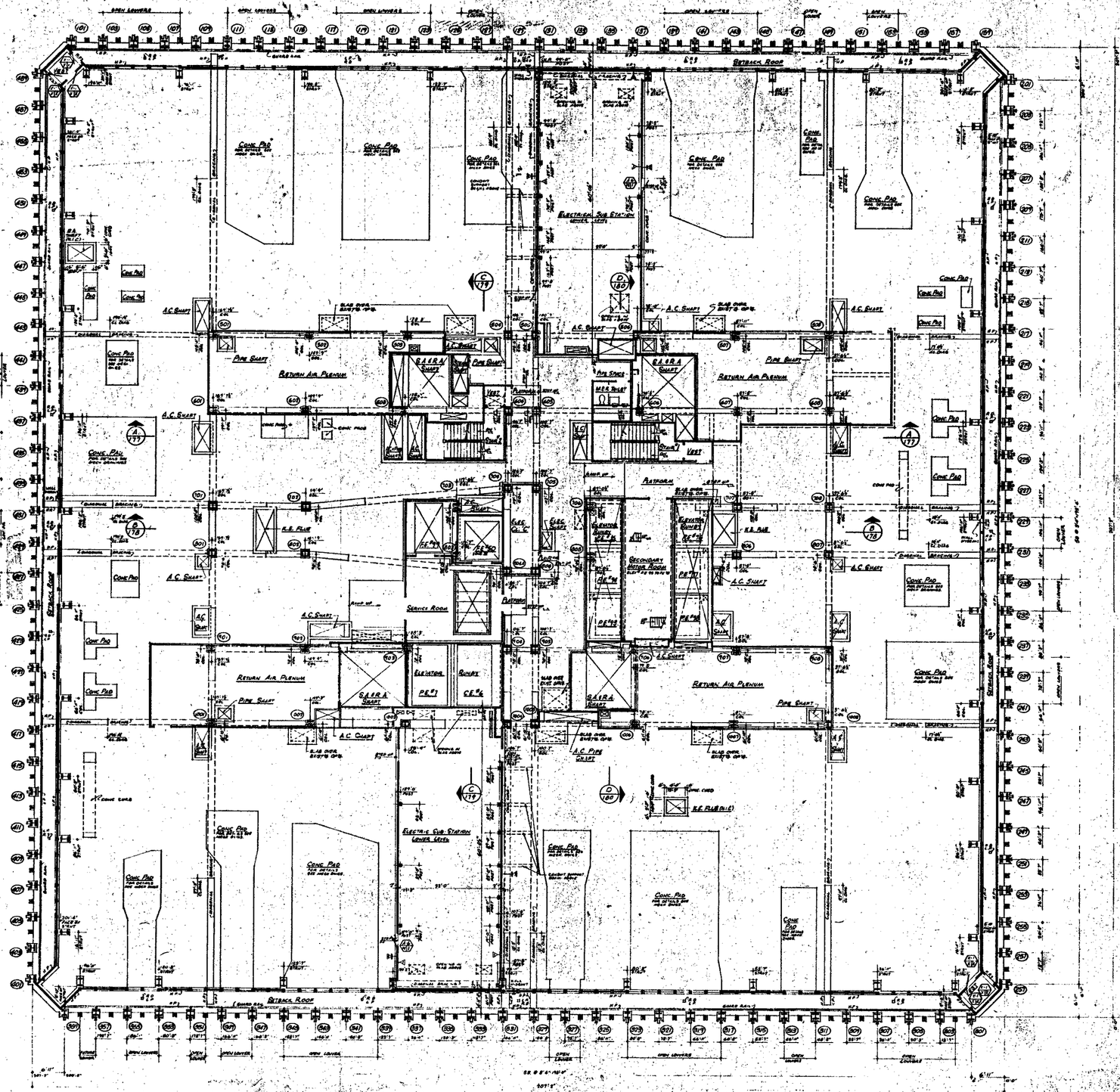
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: 107TH FLOOR CORE PLAN
RESTAURANT LEVEL

1/16"-1'-0"

DRAWN		CHECKED	
SCALE	1/16"	DATE	9-30-67
PROJECT NO.		SHEET	69
DRAWING NO.	A-A-166		



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES, & SCHEDULE OF DRAWINGS SEE DWG. A-1.1 TO A-1.5
2. FOR COMPLETE & SCALE CORE PLAN SEE DWG. A-A-170
3. ALL ELEVATIONS SHOWN THUS (70'-0") ARE IN RELATION TO TOP OF SLAB
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FINISH FLOOR ELEVATION (70'-0") TOP OF SLAB ELEVATION (69'-8") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILING IS CALLED FOR, SUCH AS IN CLOSETS, ETC. PARAPET, ETC., BOTTOM SURFACE OF ALL FLOORS & DECKS SHALL BE MAINTAINED 6'-8" ABOVE FINISH FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL HEIGHT DOORS
7. PROVIDE STEEL CURB SLEEVE AROUND ALL CHECKERED PENETRATING PLATE, CURB TO EXTEND 4" ABOVE INTERSECTION OF CHECKERED PLATE, TYP. AS SHOWN

MECHANICAL EQUIPMENT ROOM LOWER LEVEL NOTES

1. MEMBRANE WATERPROOFING AT TOP OF SLAB WITH 2" CEMENT FINISH
2. TURN UP MEMBRANE WATERPROOFING 10" (0'-10") AT ALL CURBS SEE TYPICAL DETAILS ON SHEETS A-A6-1 & A-A6-11
3. FOR DETAILS OF CONC. PADS FOR MECHANICAL EQUIPMENT SEE SHEETS A-A6-1 & A-A6-11
4. FOR FINAL SIZE & LOCATION OF CONC. PADS SEE HVAC ENGINEERS CONTRACTORS SHEETS
5. PROVIDE PLANK COVERING SUPPORTS OVER ALL RAILROAD TRACK OPENINGS IN PARTITIONS
6. WHERE FINISH FLOOR & RAISED CONC. PADS OCCUR ROOM WALL OR TO CEMENT FINISH, SHALL BE 4" ABOVE FINISH FLOOR OR PAD.
7. PROVIDE STEEL INSULATION AT UNDERSIDE OF MECHANICAL EQUIPMENT ROOM FLOOR.
8. PROVIDE TROLLY BEAMS, TROLLEYS AND LIFTING RINGS AS REQUIRED SEE SPECIFICATIONS "STRUCTURAL, MECHANICAL, ELECTRICAL" AND ELEVATOR CONTRACTORS APPROVED SHOP DRAWINGS FOR DETAIL OF LIFTING RING SEE DWG. A-A 6

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

		CONTRACT	BID DRAWING	date			
9-8-75	A-210	LJ	10-17-73	A-197	LC	6-17-70	A-15 LJ
9-18-74	A-148	LJ	10-17-73	A-200	LC	6-17-70	A-26 LJ
9-18-74	A-206	LJ	10-17-73	A-164	LC	6-17-70	A-36 LJ
4-14-75	A-214	DS	5-18-71	A-174	DS	6-2-70	A-38 AH
4-14-75	A-216	DS	5-18-71	A-184	DS	6-30-70	A-58 LJ
8-27-75	A-300	LJ	5-18-71	A-168	DT	6-30-69	A-47 LJ
6-4-75	A-260	LJ	6-1-71	A-128	LJT	8-28-69	A-58 DS
8-1-75	A-267	LJ	9-1-71	A-128	LJT	8-28-69	A-59 DS
1969	A-265	LJ	9-1-71	A-128	LJT	8-28-69	A-57 DS
10-28-74	A-253	LC	10-1-71	A-71	KA	11-1-68	A-11 MS

REVISIONS			REVISIONS			REVISIONS		
NO.	DATE	APPR.	NO.	DATE	APPR.	NO.	DATE	APPR.

CHIEF, PLANNING DIVISION — DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: 108TH FLOOR PLAN — LOWER MECH EQUIP LEVEL

DRAWN		CHECKED	
SCALE	1/16"=1'-0"	DATE	6-21-67
PROJECT NO.		SHEET NO.	
DRAWING NO.	A-A-169		

NORTH

ELECTRIC SUB-STATION LOWER LEVEL

A.C. SHAFT

SA&RA SHAFT

M&R TOILET

RETURN AIR PLENUM

DISE SHAFT

PLATFORM

SERVICE ROOM

ELEVATOR RUNWAY

ELEVATOR PIT

SECONDARY MOTOR ROOM

ELEC. SHAFT

A.C. PIPE SHAFT

STAIR

VENT SHAFT

SLAB OVER EXISTING OPENING

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS ABBREVIATIONS FINISH SCHEDULES DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWING A-1.1 TO A-1.6
2. FOR CONCRETE ½" SCALE FLOOR PLAN SEE DRAWING A-1.101
3. ALL ELEVATIONS GIVEN THUS (70'0") ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER'S DRAWINGS
5. FINISH FLOOR ELEVATION (70'0") TOP OF SLAB ELEVATION (69'9") UNLESS OTHERWISE SHOWN OR NOTED
6. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-1.6 TO A-1.8 AS SUCH
7. CURBS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 3½" NOMINAL (3" ACTUAL) DEPTH IN ELEVATOR SHAFTS AND SHALL BE MINIMUM 7½" HIGH HORIZONTAL SEE TYPICAL DETAILS
8. ELEVATION TO TOP OF ALL CONCRETE CURBS TO BE (70'8") UNLESS OTHERWISE SHOWN OR NOTED
9. FINISH 8" MIN CONC. FLOOR ENDING ALL DIAGONALS (PARALLEL TO FLOOR PLANE) RUNS TO WITHIN 4" BEYOND INTERSECTION OF DIAGONALS IN FLOOR, ON TOP OF SLAB

MECHANICAL EQUIPMENT ROOM NOTES

1. MEMBRANE WATERPROOFING 11" TOP OF SLAB WITH 3" CEMENT FINISH OVER
2. TURN UP MEMBRANE WATERPROOFING AT ALL CURBS SEE TYPICAL DETAILS ON DWG. A-1.6 & DWG. A-1.8
3. SEE DETAILS ON CONCRETE PADS FOR MECHANICAL EQUIPMENT SEE DWG. A-1.6 & A-1.8
4. FOR FINAL SIZE & LOCATION OF CONCRETE PADS SEE RELAC & PLUMBING CONTRACTORS DRAWINGS.
5. PROVIDE FLASH, CAULK, SUBMERTE OVER ALL RUN & CONST. OPENINGS IN PARTITIONS. SEE DETAILS ON DWG. A-1.6 & A-1.7
6. WHERE FINISH FLOOR IS 4" OR LESS ABOVE (70'-0") FLOOR SHALL BE ½" CEMENT FINISH OVER HIGH DENSITY RIGID FOAM FILL
7. PROVIDE 6" RIGID INSULATION AT UNDERSIDE OF MECHANICAL EQUIPMENT ROOM FLOOR.
8. PROVIDE TOILET ROOM FACILITIES AND LIFTING RINGS AS REQUIRED SEE SPECIFICATIONS, STRUCTURAL, MECHANICAL, ELECTRICAL AND ELEVATOR CONTRACTORS APPROVED SHOP DRAWINGS FOR DETAILS OF LIFTING RINGS SEE DRAWING A-1.6 & A-1.8

BULLETINS PROCESS NOT DATED ARE IN THE PROCESS OF COMPILATION

CONTRACT	BID DRAWING	date
A-166	A-125	1-1-71
A-168	A-123	6-1-71
A-133	A-123	6-1-71
A-177	A-106	11-5-70
A-100	A-97	9-1-70
A-176	A-73	6-23-70
A-164	A-62	6-23-70
A-162	A-46	6-23-70
A-164	A-65	5-15-70
A-163	A-75	5-12-70

REVISIONS				REVISIONS				REVISIONS			
0-1-72	A-166	LJ	A	9-1-71	A-125	LJT	A	1-30-70	A-51	LJ
VOID	A-168	LJ	A	6-1-71	A-123	LJT	A	1-30-70	A-55	EC
6-16-71	A-133	LC	A	6-1-71	A-123	LJT	A	1-30-70	A-67	EC
11-17-71	A-177	LC	A	11-5-70	A-106	LJ	A	5-13-68	A-88	RC
11-17-71	A-100	LC	A	9-1-70	A-97	DG	A	2-25-69	A-21	RC
6-16-71	A-176	DG	A	6-23-70	A-73	LJ	A	2-23-69	A-17	RC
6-16-71	A-164	DG	A	6-23-70	A-62	LJ	A	2-23-69	A-28	RC
6-16-71	A-162	DG	A	6-23-70	A-46	LJ	A	11-1-68	A-11	MH
6-16-71	A-164	DT	A	5-15-70	A-65	AJ	A	9-1-68	A-10	DG
6-16-71	A-163	LJ	A	5-12-70	A-75	AJ	A	6-10-68	A-5	DG

APPROVED

Director of Planning

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

J. G. KING & ASSOCIATES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

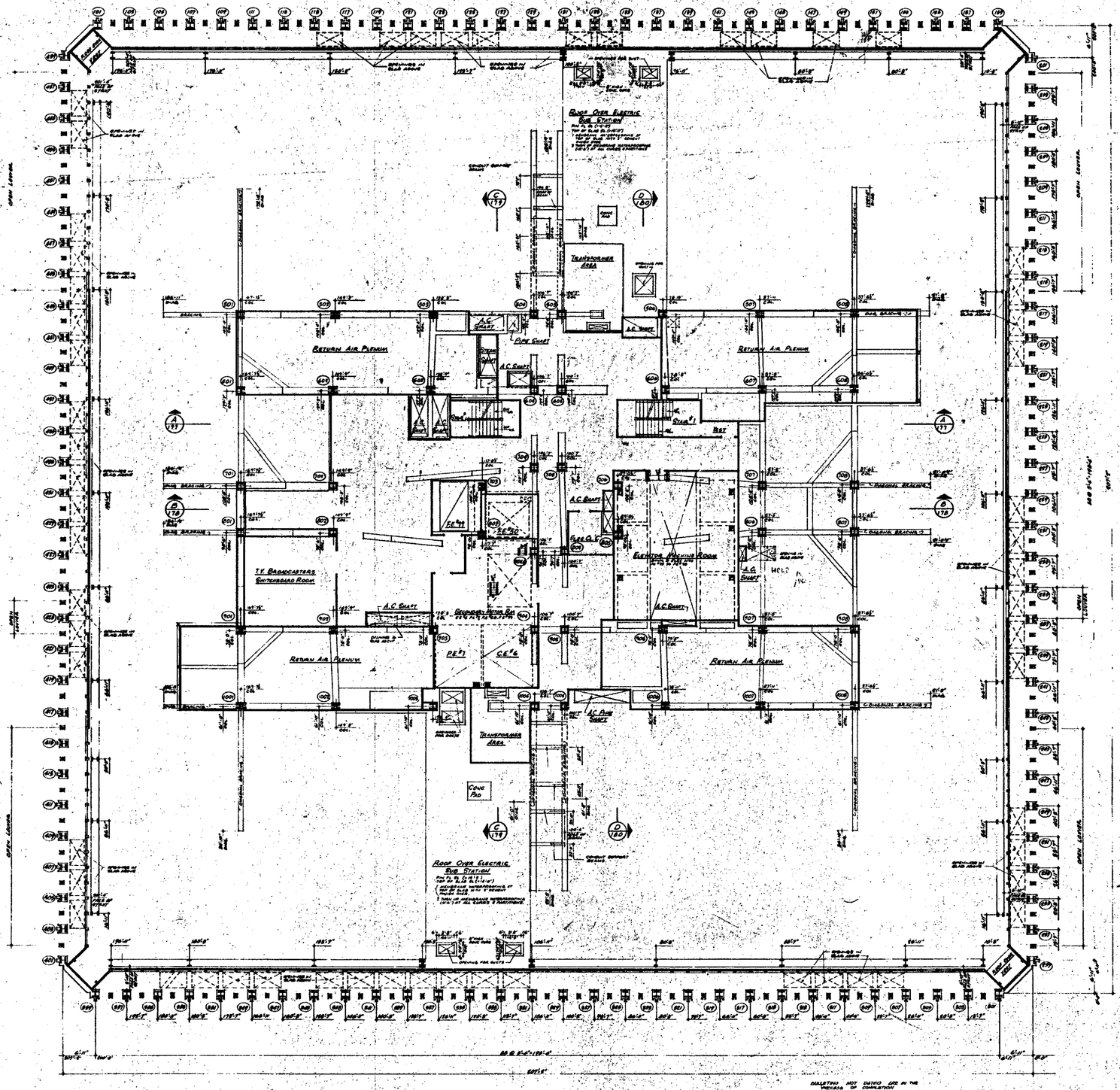
THE PORT OF NEW YORK AUTHORITY
PIERS, STRUCTURE, FOUNDATIONS

TITLE: 108TH FLOOR CORE PLAN
LOWER MECH. EQUIP. RM LEVEL

SCALE 1/8" = 1'-0" | DRAWN | CHECKED
SCALE 1/2" | DATE 5-31-67 | SHEET OF

CONTRACT NO.

A-A-170



NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS, SEE DRAWINGS "A-0-1" TO A-0-3.
2. FOR COMPLETE 4 SCALE CORE PLAN SEE DRAWING "A-A-172.
3. ALL ELEVATIONS GIVEN THUS (2.6'6") ARE IN RELATION TO THE DF SLAB.
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS, SEE RESPECTIVE ENGINEERS DRAWING.
5. FOR TYPICAL STAIR DETAILS, SEE DRAWINGS "A-A-1004 & A-A-1005.
6. WHERE NO DIMENSIONS OR LINES ARE GIVEN FOR SUCH AS IN CLOSETS, STAIR, MALPAIRS ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF ALL HEIGHT DOORS.

MECHANICAL EQUIPMENT ROOM
UPPER LEVEL

NOTES:

1. PROVIDE PLANK CHANNEL SUPPORTS WHERE PIPE / DUCT CROSSES IN PARTITIONS.
2. PROVIDE 6" CURB ADJACENT TO OPENINGS IN SLAB ABOVE, FOR DETAILS SEE DETAILS.

1/8"=1'-0"

CONTRACT & DRAWING	Date						
	VOID	A-168	L.J.	9-1-71	A-183		
	1-15-76	A-225	L.C.	8-1-74	A-123		
	11-17-7	A-197	L.C.	7-11-74	A-97	P.G.	
	12-17-7	A-199	L.C.	6-12-74	A-18	A.R.	
7-2-75	A-680	L.J.	6-18-71	A-104	D.G.	6-27-74	A-83	A.R.
7-15-74	A-606	L.J.	6-8-71	A-103	L.J.	6-27-74	A-66	A.R.
7-15-74	A-614	R.B.	6-18-71	A-164	L.J.	6-20-74	A-47	L.C.
4-5-74	A-814	D.B.	6-18-71	A-164	L.J.	4-29-74	A-93	D.B.
4-29-74	A-300	L.J.	6-18-71	A-164	L.J.	2-11-68	A-11	M.M.
4-1-75	A-606	L.J.	9-1-71	A-125		2-16-68		L.V.L.

REVISIONS			REVISIONS			REVISIONS		
NO.	DATE	DWG. NO.	BY	NO.	DATE	DWG. NO.	BY	NO.	DATE	DWG. NO.	BY

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLER & MCKENZIE — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING & UTILITIES, FOUNDATIONS

TITLE: 109TH FLOOR PLAN
UPPER MECH. EQUIP. RM. LEVEL

DRAWN		CHECKED	
SCALE	1/8"=1'-0"	DATE	7-31-70
PROJECT		SHEET	OF
DRAWING NUMBER	A-A-171		

ROOF OVER ELECTRIC SUB STATION

TRANSFORMER AREA

RETURN AIR PLENUM

A.C. SHAFT

STAIR #1

STAIR #2

ELEVATOR MACHINE ROOM

T.V. BROADCASTERS' SWITCHBOARD ROOM

SECONDARY MOTOR ROOM

A.C. PIPE SHAFT

ELEC. CL. C

FE #99

FE #60

FE #7

CE #6

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIAL SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE, DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DWGS A-0.1 TO A-0.4.
2. FOR CONDITIONS SHOWN THUS (T.O.S.) SEE DWG A-1.17.
3. ALL ELEVATIONS SHOWN THUS (T.O.F.) ARE GIVEN IN RELATION TO FINISH 109TH FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEER DRAWINGS.
5. ALL SUSPENDED CEILINGS ARE TAKEN IN RELATION TO FINISH 109TH FLOOR.
6. FOR TYPICAL STAIR DETAILS SEE DWGS A-4.10 SHT 4 & A-4.10 SHT 5.
7. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIRS PASSAGES ETC. BOTTOM ELEVATIONS OF ALL FURRING & SOFFITS SHALL BE MAINTAINED AT +8'-4" ABOVE FINISHED FLOOR.
8. CAULKS ARE REQUIRED IN ALL BEAM PROJECTIONS OVER 15" NOMINAL (1'-3" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MAINTAINED 10" FROM HORIZONTAL SEE TYPICAL DETAILS
9. TOP ELEVATION OF ALL CURBS TO BE (-0.2) UNLESS OTHERWISE SHOWN OR NOTED.

NOTES

1. PROVIDE FLASH CHANNEL SUPPORTS OVER ALL FAN & DUCT OPENINGS IN PARTITIONS. SEE DWG # A-8.5 SHT 2
2. PROVIDE 1" FIBER INSULATION AT UNDERSIDE OF SLAB ABOVE FOR EXTENT, SEE DETAILS

UPPER PART OF MECHANICAL EQUIPMENT ROOM

NOTES

1. PROVIDE FLASH CHANNEL SUPPORTS OVER ALL FAN & DUCT OPENINGS IN PARTITIONS. SEE DWG # A-8.5 SHT 2
2. PROVIDE 1" FIBER INSULATION AT UNDERSIDE OF SLAB ABOVE FOR EXTENT, SEE DETAILS

NORTH

1/16"-1'-0"

CONTRACT	BID DRAWING	date			
	A-268	L-1	9-11-70	A-97	L-4
	A-197	L-2	6-16-70	A-18	L-4
	A-199	L-2	6-16-70	A-66	L-4
	A-200	L-2	6-30-70	A-67	L-2
	A-164	D-5	6-30-70	A-67	L-2
	A-165	L-1	6-15-71	A-68	L-5
7-8-75 A-220	L-1	6-1-71	A-125	LT	6-15-71	A-17	L-5
7-18-74 A-208	L-1	6-1-71	A-123	LT	11-1-68	A-11	M-1
7-18-74 L-46	R-2	6-1-71	A-163	LT	6-1-68	A-10	D-5
8-1-74 A-166	L-1	6-1-71	A-165	LT	6-15-68	A-6	D-5

NO	DATE	BILL NO. BY	NO	DATE	BILL NO. BY	NO	DATE	BILL NO. BY
REVISIONS			REVISIONS			REVISIONS		

BULLETINS NOW ISSUED ARE AT THE PROJECT OF COMPLETION

APPROVED

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

SYNSTELIEN, JENSEN, ROLLES & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — DAVID ROBERTSON, CONSULTING FOUNDATIONS

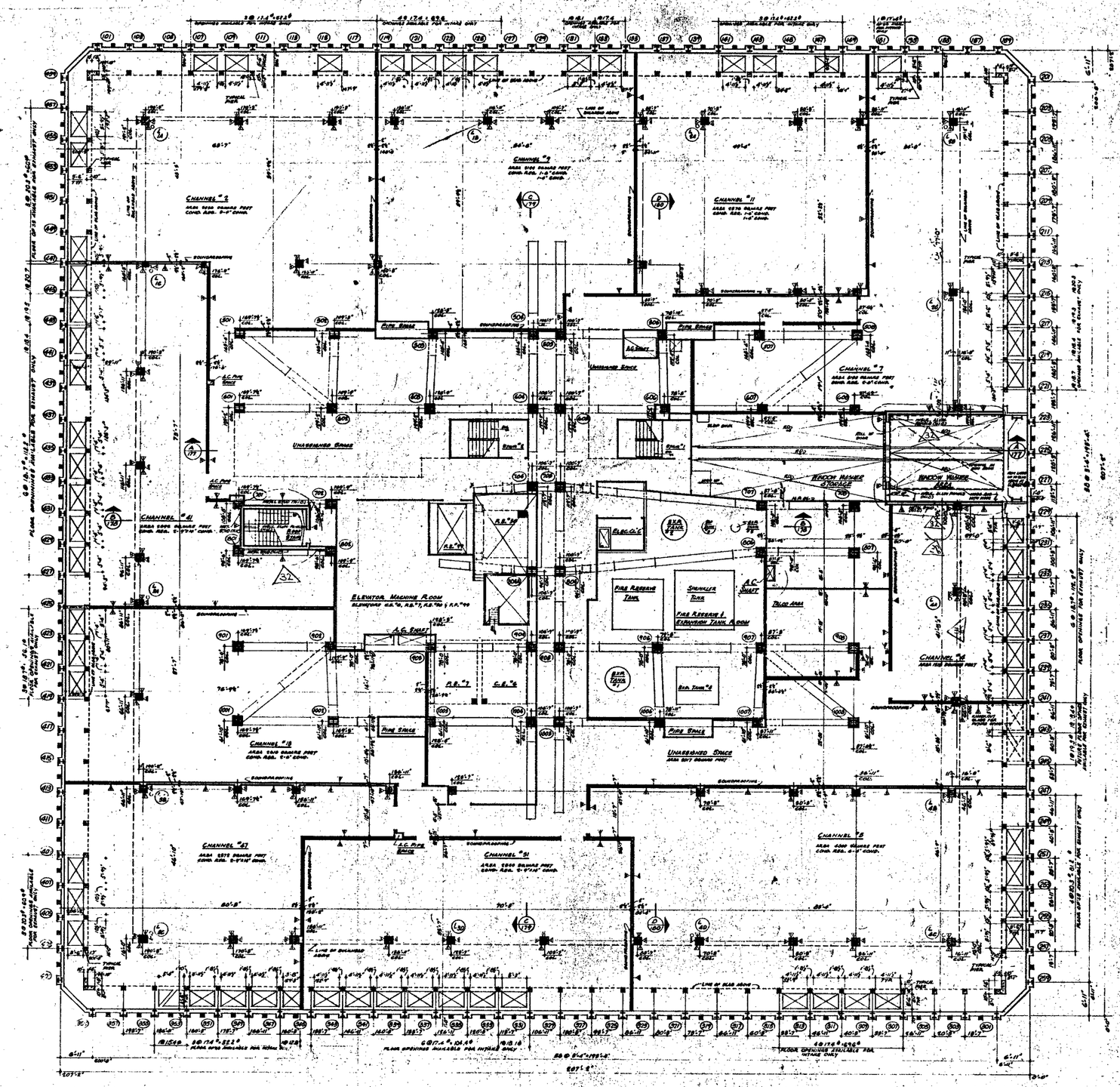
TITLE: 109TH FLOOR CORE PLAN

UPPER MECH EQUIP RM 110TH

DRAWN | DATE | CHECKED | DATE | APPROVED | DATE

SCALE: 1/16"-1'-0" | DATE: 7-15-67

PROJECT NO. A-A-172



NORTH

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, DOOR SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWING A-AA-170 & A-AA-171.
2. FOR COMPLETE 1/8" SCALE CORE PLAN, SEE DWG. A-AA-175.
3. ALL ELEVATIONS GIVEN THUS (+0'-0") ARE IN RELATION TO TOP OF SLAB.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE RESPECTIVE DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DWG. A-AB-1045 & A-AB-1051.
6. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR PASSAGES ETC., BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-6" ABOVE FINISHED FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.

FINISH SCHEDULE

SPACE	FLOOR FINISH	BASE	WALLS MATERIALS	WALLS FINISH	CEILINGS MATERIALS	CEILINGS FINISH	REMARKS
	NORTHERN CONC. CORP. TILE CERAMIC TILE	CERAMIC TILE RESILIENT TILE WOOD CERAMIC TILE	PLASTERED CONC. CERAMIC TILE GYPSUM PLASTER METAL STUD PANEL STUD FINISH	PAINTED VINYL COVERING SPRAY FIREPROOFED CEM. CERAMIC TILE	ACOUSTIC TILE GYPSUM BD. PLASTER ON F.R. GYPSUM BD. FIBER BOARD	PAINTED UNFINISHED	
STAIRS "1&2"	•	•	•	•	•	•	
ROOF STAIR "	•	•	•	•	•	•	
ELEV. MACH. RM.	•	•	•	•	•	•	
FIRE RM. FOR DAN RM.	•	•	•	•	•	•	
WINDOW WASHER STOR.	•	•	•	•	•	•	
WINDOW WASHER AREA	•	•	•	•	•	•	
UNASSIGNED SPACE	•	•	•	•	•	•	
TELCO	•	•	•	•	•	•	
CHANNELS	•	•	•	•	•	•	

CHANNEL NUMBERS	TOTAL AIR REQUIRED FOR INTAKE ONLY AIR. FOR EXHAUST	AREA OF OPENINGS REQUIRED FOR INTAKE (SAME REQ. FOR EXHAUST)	AIR INTAKE: FLOOR OPENINGS NUMBER	AIR INTAKE: FLOOR OPENINGS TOTAL AREA	AIR INTAKE: ROOF OPENINGS NUMBER	AIR INTAKE: ROOF OPENINGS TOTAL AREA	AIR EXHAUST: FLOOR OPENINGS NUMBER	AIR EXHAUST: FLOOR OPENINGS TOTAL AREA	AIR EXHAUST: ROOF OPENINGS NUMBER	AIR EXHAUST: ROOF OPENINGS TOTAL AREA
1	46,000	96	38/17.4 / 22.2	62.2			36 20.3 / 60.9	60.9		166.8
—	—	—	—	—			—	—		—
4	51,000	106	—	—			—	196.8		196.8
5	35,000	70	28/17.4 / 22.2	69.6			36 20.3 / 61.2	81.2		232.9
—	—	—	—	—			—	—		—
7	40,000	80	38/17.4 / 17.4	17.4			—	78.7		87.6
—	—	—	—	—			—	—		—
9	56,000	49	28/19.870 (6)(6)(18.1)	105.1			—	—		188.0
11	40,000	80	38/17.4 / 22.2	52.2			—	—		189.9
13	14,3000	29	—	—			36 18.3 / 36.1	36.1		—
51	73,000	146	68/18.1 (6)(6)(18.1)	122.5			—	—		256.8
41	87,000	174	—	—			—	170.8		—
47	68,000	136	38/17.4 / 18.1 / 17.5	80.4			36 20.3 / 60.9	60.9		188.4
—	—	—	—	—			—	—		—
UNASSIGNED SPACE	—	—	—	—			—	37.7		—

NOTES:
1. SIZE OF FLOOR OPENINGS VARY SEE SCHEDULE ABOVE FOR SIZE.
2. ALL ROOF OPENINGS ARE AT INNER WELLS 103'-0" AND 41'-0" OUTER WELLS 44'-0" UNLESS OTHERWISE SHOWN ON NOTED.
3. FLOOR OPENINGS AT NORTH AND SOUTH SIDES ARE FOR INTAKE ONLY.
4. FLOOR OPENINGS AT EAST AND WEST SIDES ARE FOR EXHAUST ONLY.
5. ALL FLOOR OPENINGS AND ROOF OPENINGS AT INNER WELLS NOT UTILIZED SHALL REMAIN AS PART OF STRUCTURAL CONCRETE SLABS.
6. ALL PERIMETER ROOF OPENINGS TO BE PROVIDED WITH GRATINGS, RAILINGS OR DUCTWORK BY TENANT.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION
COVERAGE AND WORKING status

NO.	DATE	BULL. NO.	BY
	7-17-73	A-841	L.J.
	6-19-74	A-981	L.J.
	6-19-74	A-308	L.J.
	6-1-76	A-864	L.J.
	6-1-76	A-801	L.J.
	6-1-76	A-964	L.J.
	7-30-74	A-1000	L.J.
	6-1-76	A-856	L.J.
	6-19-74	A-1220	L.J.
	8-17-71	A-197	L.C.
	11-17-71	A-199	L.C.
	11-17-71	A-198	L.C.
	11-17-71	A-200	L.C.
	8-24-71	A-119	L.J.
	8-26-71	A-180	L.J.
	8-18-71	A-178	L.J.
	8-18-71	A-181	D.T.
	8-18-71	A-164	D.T.
	8-19-71	A-167	D.G.
	8-18-71	A-166	L.J.
	6-18-71	A-168	L.J.
	6-18-71	A-165	L.J.
	9-1-71	A-185	L.J.
	6-1-71	A-183	L.J.
	9-11-70	A-91	L.C.
	9-17-70	A-78	L.J.
	6-29-70	A-48	L.J.
	6-19-70	A-8	D.G.

REVISIONS

ARCHITECT'S SEAL

APPROVED
CHIEF PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

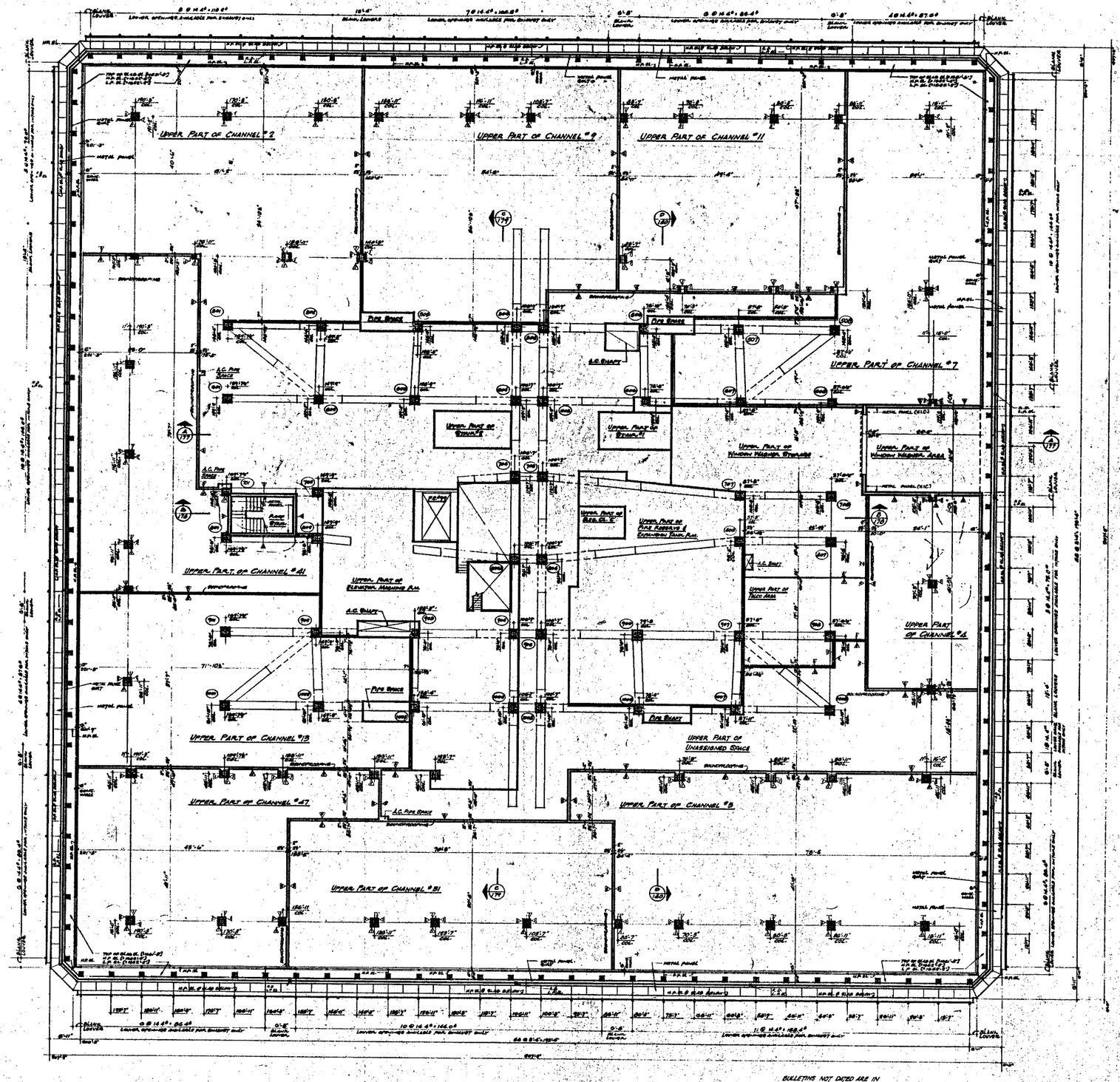
MINORU YAMASAKI & ASSOCIATES — ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — STRUCTURAL ENGINEERS
EMERY ROTH & SONS — ARCHITECT
JAROS, BAUM & BOLLES — MECHANICAL CONSULTANTS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

1/16"-1'-0"

TITLE: 110TH FLOOR PLAN

DESIGNED		DRAWN	
SCALE	1/16"-1'-0"	DATE	7-31-67
APPROVED		DATE	
CONTRACT NO.			

A-A-173



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, ROOM, DOOR AND GLAZING OF EXTERIOR SEE DRAWINGS A-A-1 TO A-A-5.
2. FOR ENLARGED 16" SCALE CORE PLANS SEE DWG. A-A-170.
3. ALL DIMENSIONS GIVEN FROM CENTER LINES OF PARTITIONS TO FINISH FACE WALLS.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE APPROPRIATE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR, DETAILS SEE DWGS. A-A-245 & A-A-246.
6. ALL ELEVATIONS GIVEN FOR FINISH AREAS OR FLOORING, TO BOTTOM OF SLAB.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BULL. NO.	BY
1	9-17-75	A-416	M.K.

REVISIONS

CONTRACT	BID	DRAWING	date
1	9-8-75	A-480	L.J.
2	9-22-76	L-606	L.J.
3	9-28-76	L-649	R.S.
		A-407	J.M.
4	1-28-76	A-503	L.J.
5	7-17-75	A-541	L.B.
6	11-10-75	A-346	D.E.
7	6-1-76	A-596	L.J.
8	4-1-76	A-542	L.J.
V.O.	10	A-868	L.J.

REVISIONS

NO.	DATE	BULL. NO.	BY
1	6-1-76	A-596	L.J.
2	5-25-76	A-220	L.C.
3	12-17-75	A-197	L.C.
4	12-17-75	A-199	L.C.
5	12-17-75	A-198	L.C.
6	12-17-75	A-200	L.C.
7	8-26-75	A-480	L.J.
8	6-10-76	A-596	L.J.
9	4-15-75	A-222	L.J.
10	4-15-75	A-1664	D.T.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
HIROSHI YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PARSONS BRINCKERHOFF-TUDOR-BECHTEL

SCALE 1/16"=1'-0" 0 4" 8" 16" 24"

TITLE: 110TH FLOOR INTERMEDIATE LEVEL PLAN (AT EL. +1140'-0")

DRAWN		CHECKED	
SCALE	1/16"=1'-0"	DATE	
PROJECT MANAGER		ARCHITECT	
PROJECT NO.	A-A-173A		

NORTH

NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, DOOR & FINISH SCHEDULES AND REFERENCE OR DIAGRAMMATIC DRAWINGS SEE DWGS. A-001 TO A-018.
2. ALL ELEVATIONS GIVEN THUS (0.00') ARE TAKEN IN RELATION TO FINISH 1st FLOOR.
3. FOR ESCALATORS & SCALE CURB PLAN SEE DRAWING # A-170.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS # 1-B THRU # 4-B-SHR.
6. FOR REMOVALS AS NOTED & EXHAUST OPENINGS FOR CHANNELS SEE CHART ON DRAWING # A-1.75
7. FOR WINDOW WASHER TRACK SUPPORTS, TURN TABLE SUPPORTS & TURNTABLE SEE STRUCTURAL ENGINEERS & WINDOW WASHER CONTRACTORS APPROVED SHOP DRAWINGS.
8. FOR FINISH SCHEDULE SEE DRAWING A-6.98.

PENTHOUSE ROOF PLAN
SCALE 1/16"=1'-0"

TYPICAL DETAIL
SCALE 1"=1'-0"

NOTE: REINF. BARS ARE FURNISHED IN 20'-0" LENGTHS WHERE PRACTICAL JOINTS SHALL BE 20'-0" TO 20'-6" ON CENTER.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	BULL. NO.	BY
1	9-17-70	A-416	J.K.
2	9-15-70	A-420	L.J.
3	9-29-70	A-400	L.J.
4	9-29-70	A-419	L.C.
5	9-29-70	A-419	L.C.
		A-407	J.K.

REVISIONS

NO.	DATE	BUL. NO.	BY
1	7-17-70	A-341	L.J.
2	11-10-70	A-316	D.B.
3	8-19-70	A-303	D.B.
4	8-19-70	A-301	L.J.
5	8-1-70	A-254	L.J.
6	8-1-70	A-198	L.J.
7	10/10	A-245	L.C.
8	8-1-70	A-200	L.C.
9	8-19-70	A-278	L.C.
10	8-19-70	A-199	L.C.

REVISIONS

NO.	DATE	BUL. NO.	BY
11	8-17-70	A-197	L.C.
12	11-17-71	A-198	L.C.
13	12-21-71	A-200	L.C.
14	9-15-71	A-172	D.B.L.
15	6-18-71	A-167	D.S.
16	6-18-71	A-164	L.J.
17	6-8-71	A-165	L.J.
18	4-1-71	A-183	L.J.
19	3-31-71	A-92	L.J.
20	3-22-71	A-18	L.J.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

CONTRACT NO. DRAWING data

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES FOUNDATIONS

TITLE: 110TH FLOOR UPPER LEVEL PLAN (AT EL 44'-0")

DESIGN: E.B.C. | CHECKED: | DATE:
SCALE: 1/16"=1'-0" | DRAWN: | DATE: 4-30-70
SUPERVISED: | DATE:

A-A-174

NORTH

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, DOOR SCHEDULE AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.6
2. FOR COMPLETE 1/8" SCALE FLOOR PLAN SEE DWG. A-P178.1 A-A-176.
3. ALL ELEVATIONS GIVEN SHUB DATA AND IN RELATION TO FINISH ROOMS
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE REPRINTED DWG. NOTES DRAWING
5. FOR TYPICAL STAIR DETAILS SEE DRAWINGS A-0.1 AND A-0.2
6. CURTS ARE REQUIRED ON ALL BEAM PENETRATIONS OVER 4" NOMINAL (4" ACTUAL) DIMENSION IN ELEVATION SHAFTS AND SHALL BE MINIMUM 18" FROM HORIZONTAL
7. FOR FINISH SCHEDULE SEE DRAWING A-A-179.
8. PROVIDE CONCRETE INSERTS IN SLAB ABOVE. FOR NUMBER AND LOCATION OF INSERTS SEE TENANT DWG No 8006888.
9. ALL WALLS AND PARTITIONS SHOWN WITH NOTHING ABUTTING THEM CONTINUE PAST ALL WORK NOT MATCHED IN A SUBSEQUENT CONTRACT, BY OTHERS WHERE WORK BY OTHERS INTERSECTS WORK IN THIS CONTRACT, CONTRACTORS SHALL COORDINATE ALL WORK SO THAT COMPLETED WORK IS CONTINUOUS AND UNBROKEN. DIMENSIONS SHOWN FOR WORK BY OTHERS IS FOR COORDINATION ONLY.

BUILDINGS NOT DATED ARE IN THE PERIODS OF CONSTRUCTION

CONTRACT	BID DRAWING date								
			8-24-70	A-387	L.J.	11-17-71	A-200	L.C.	9-1-71 A-183
			8-24-70	A-388	L.J.	11-17-71	A-198	L.C.	9-1-70 A-97
9-17-70	A-416	L.J.	6-11-70	A-268	L.J.	11-17-71	A-199	L.C.	6-22-70 A-19
9-8-70	A-420	L.J.	6-1-70	A-269	L.J.	8-26-71	A-179	L.J.	1-30-70 A-67
9-29-70	A-208	L.J.	6-1-70	A-268	L.J.	6-26-71	A-180	L.J.	8-25-69 A-28
9-29-70	A-206	P.E.	6-1-70	A-266	L.J.	6-18-71	A-178	DBA	11-1-68 A-11
	A-407	J.H.	10/0	A-264	L.J.	6-18-71	A-186	D.A.	8-1-68 A-10
1-26-70	A-206	L.J.	6-1-70	A-266	L.J.	6-18-71	A-186	D.A.	6-22-68 A-2
7-17-70	A-349	L.J.	11-26-70	A-218	L.C.	6-18-71	A-185	L.J.	6-22-68 A-12
11-17-70	A-341	L.J.	11-17-71	A-177	L.C.	7-1-71	A-182		5-16-68

REVISIONS												
NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — ARCHITECT
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — ARCHITECTS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES — ENGINEERING CONSULTANTS

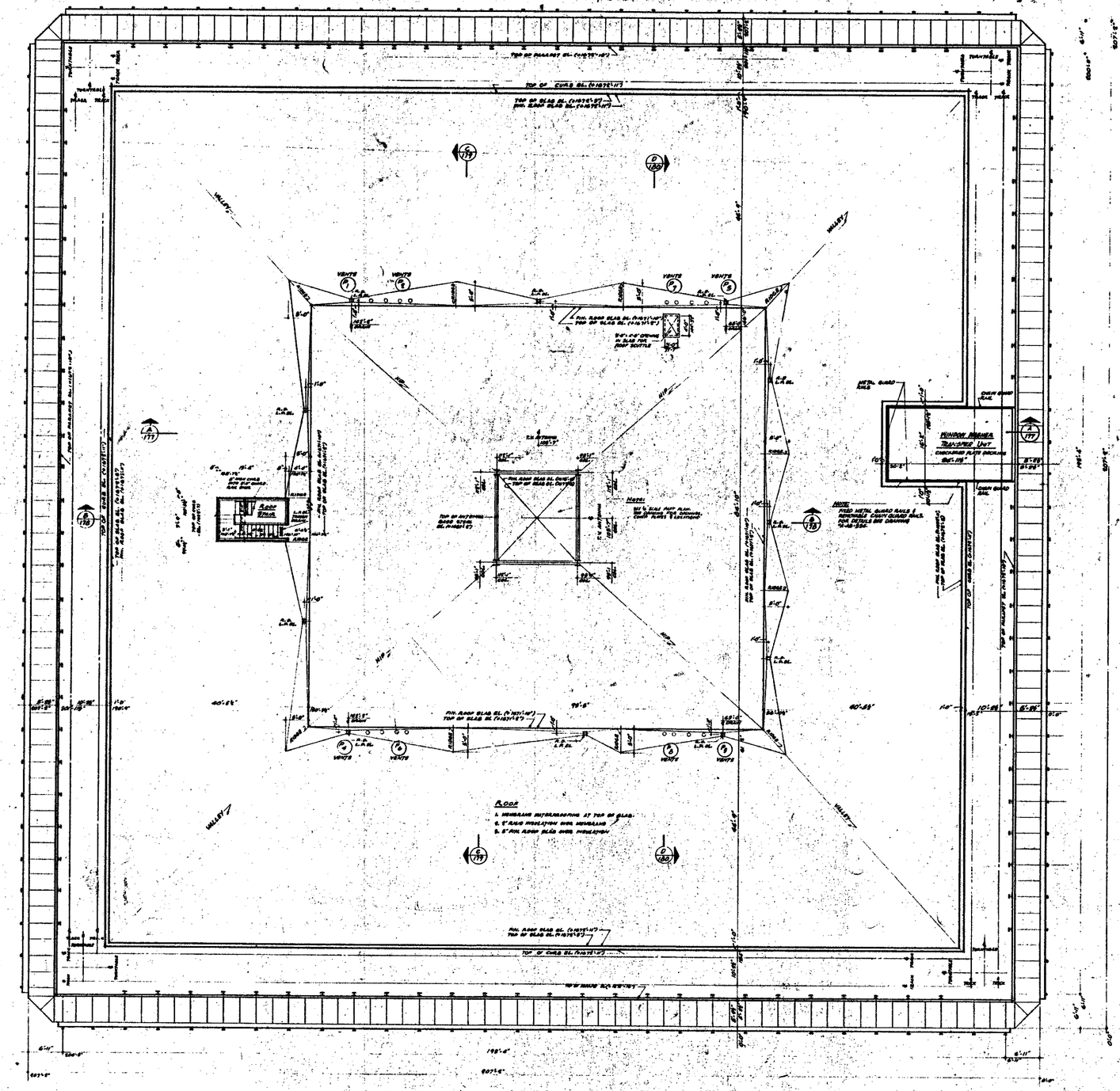
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

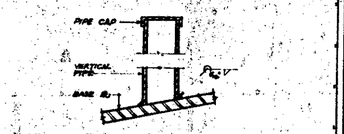
1/8"=1'-0"

TITLE: 110TH FLOOR CORE PLAN

DESIGN		DRAWN	
SCALE	1/8"	DATE	7-31-67
APPROVED		DATE	
CONTRACT NUMBER			

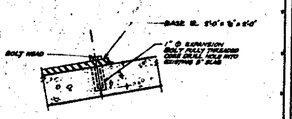
A-A-175


TOP OF PARAPET EL. (+1675'-11")
TOP OF CURB EL. (+1675'-11")
TOP OF SLAB EL. (+1675'-11")
TOP OF SLAB EL. (+1675'-11")
VENTS
VENTS
VENTS
VENTS
VENTS
VENTS
VENTS
VENTS
VALLEY
VALLEY
VALLEY
VALLEY
2 PIPE ROOF DRAIN
9'-6" x 4'-0" OPENING IN SLAB FOR ROOF SCUTTLE
Roof Stair
Roof Stair
ROOF STAIR
ROOF STAIR
TV ANTENNA
TV ANTENNA
TOP OF ANTENNA EL. (+1677'-11")
TOP OF ANTENNA EL. (+1677'-11")
TOP OF SLAB EL. (+1675'-11")
TOP OF SLAB EL. (+1675'-11")
TOP OF SLAB EL. (+1675

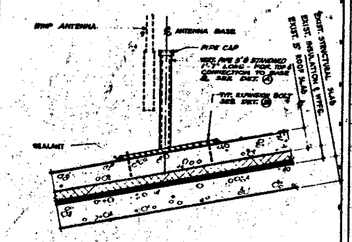


DETAIL Ⓐ
3"=1'-0"

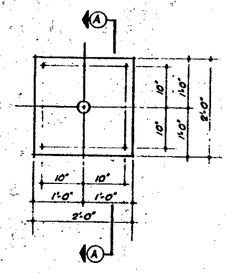
NOTE: PIPE PLATE ALLOWED TO BE CELEBRATED AFTER VERTICAL PIPE TO BE MAINTAINED IN A VERTICAL POSITION



DETAIL Ⓑ
3"=1'-0"

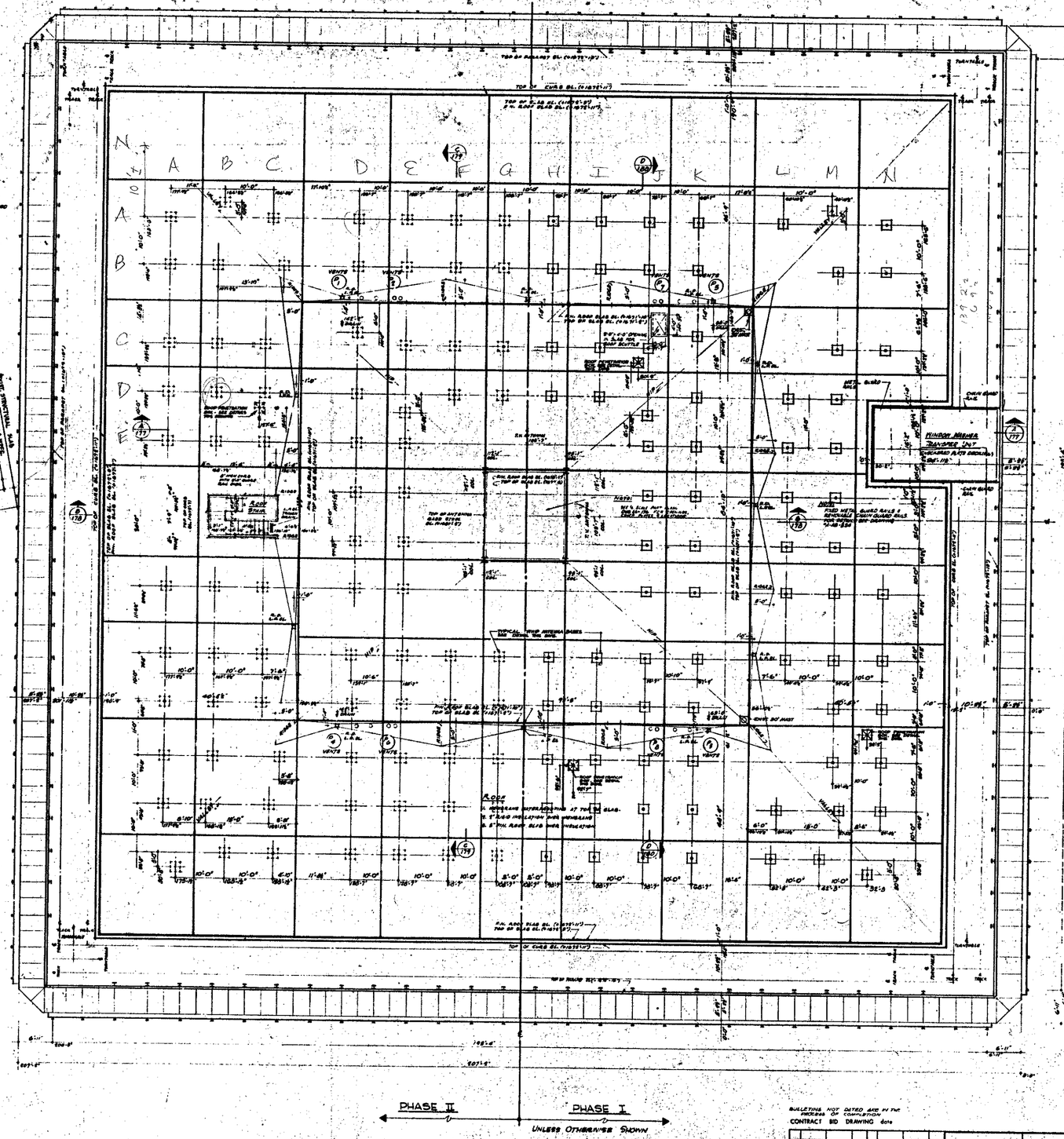


SECTION 'A-A'
1"=1'-0"



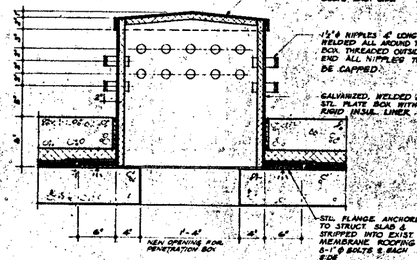
TYPICAL BASE PLATE
SCALE: 1"=1'-0"

WHIP ANTENNA BASES

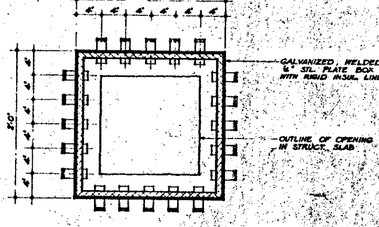


PHASE I
PHASE II

NOTES:
1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SYMBOLS ON DRAWINGS, SEE DRAWING A-0.1 TO A-0.5.
2. ALL ELEVATIONS SHOWN THUS (+0'-0") ARE IN RELATION TO DATUM.
3. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
4. ALL EXPOSED EXTERIOR FERROUS INSTALD. ITEMS, BASE PLATES & ANCHOR BOLTS TO BE PAINTED.



SECTION



PLAN

ROOF PENETRATION BOX FOR 40 CABLES TO SERVE WHIP ANTENNAS
1½"=1'-0"
TWO BOXES EACH PHASE

BULLETINS NOT DATED ARE AT THE STAGES OF COMPLETION
CONTRACT BID DRAWING date

NO.	DATE	REVISIONS	BY	NO.	DATE	REVISIONS	BY

APPROVED
CHIEF, PLANNING DIVISION
DATE

1/16"=1'-0" 0 4' 8' 16' 32'

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
ASSOCIATED ARCHITECTS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ROOF ANTENNA PLAN PHASE I AND II

DRAWN | CHECKED
SCALE: 1/16"=1'-0" | DATE | JOB NO.
DRAWING NUMBER: A-A-176A | SHEET | OF

NOTES

1- FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS FINISH SCHEDULES, DOOR, SCHEDULES AND SCHEDULE OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-8.

2- FOR COMPLETE FLOOR PLANS SEE DRAWINGS A-A-100 TO A-A-175

3- ALL ELEVATIONS SHOWN THUS (80'-0") ARE IN RELATION TO FINISH FLOOR.

4- FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS' DRAWINGS

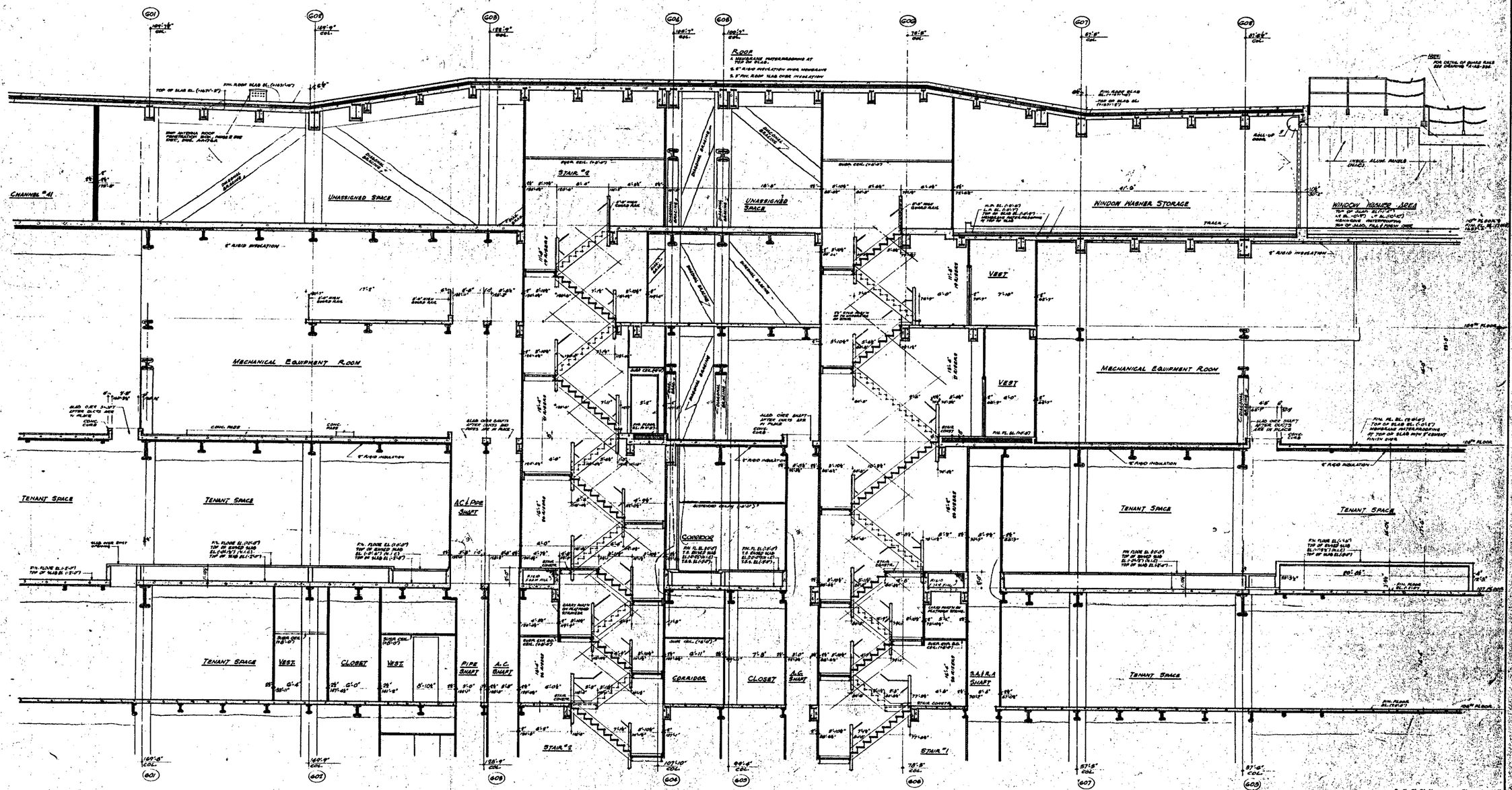
5- FOR TYPICAL STAIR DETAILS SEE SHOP A-A.D.-206, A-A.D.-216

6- FINISH FLOOR AND TOP OF SLAB ELEVATIONS ARE (80'-0") UNLESS OTHERWISE SHOWN OR NOTED.

7- FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A.D.-200 TO A-A.D.-216.

8- FOR MECHANICAL EQUIPMENT ROOM NOTES SEE DRAWINGS A-A-167 TO A-A-174

9- ALL WALLS & PARTITIONS & SLABS ABOVE WITH WHICH ARE IN THIS CONTRACT, ARE WHERE NOT MATCHED IN N & S SEMI-MATE CONTACT BY OTHERS. WHERE WHEE BY OTHERS INTERSECT WORK IN THIS CONTRACT, CONTRACTOR SHALL COORDINATE ALL MAKE-UP THAT CONCRETED WORK IS CONTINUOUS AND IN GENERAL CONDITIONS SHOWN FOR WORK BY OTHERS IS FOR COORDINATION ONLY.



CONTRACT BID DRAWING date

NO.	DATE	DESCRIPTION	BY
		A-607	L.J.
9	9-22-72	A-606	G.K.
		A-604	J.K.
5	5-30-74	A-594	L.J.
4	7-17-73	A-548	L.B.
	VOID	A-548	L.J.
3	6-15-71	A-165	L.J.
2	5-1-71	A-163	L.J.
1	4-1-71	A-163	L.J.
	5-1-70	A-167	L.J.

REVISIONS

APPROVED

OWNER'S AUTHORIZED APPROVAL DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

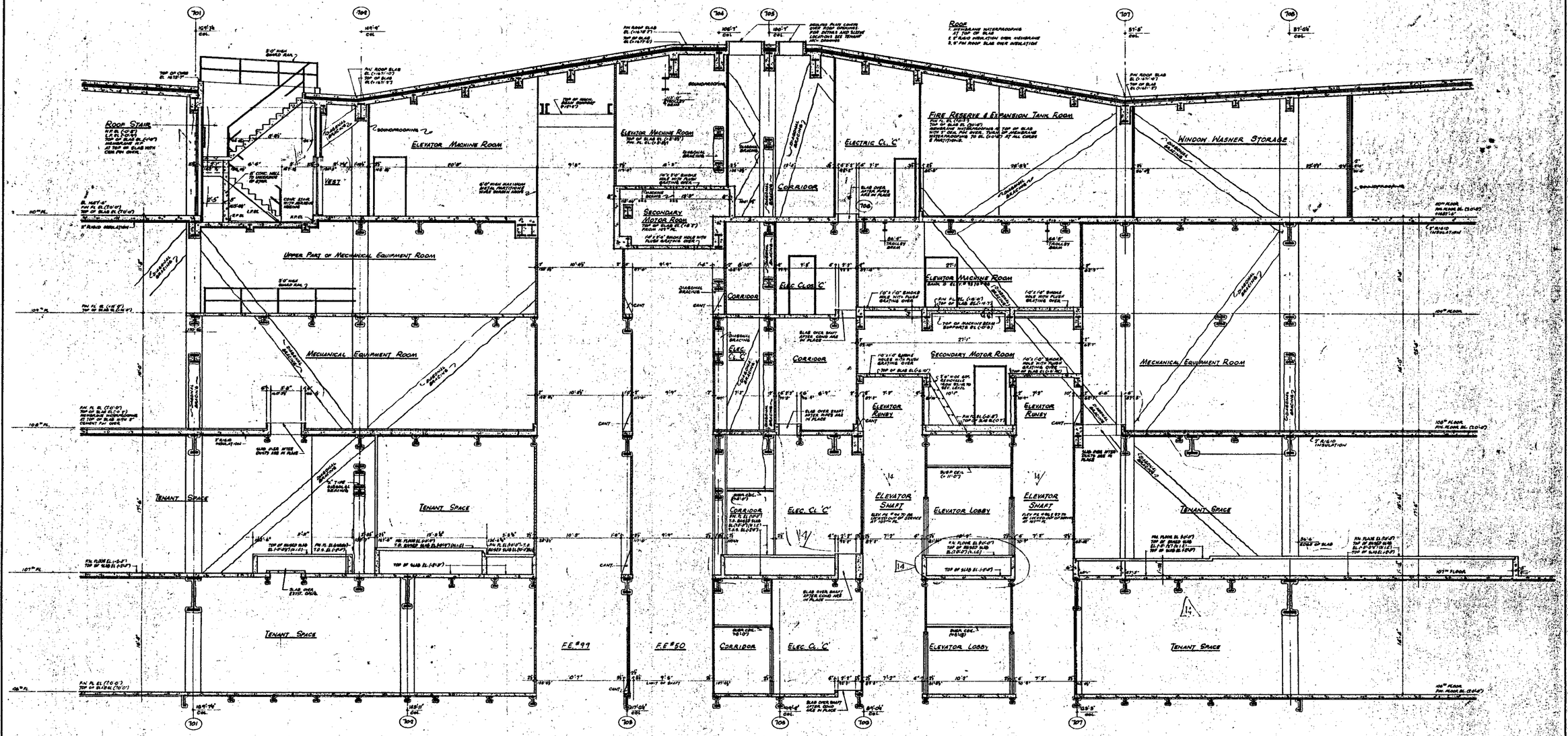
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, DRAINAGE

TITLE: TOWER SECTION "A"

DRAWN		CHECKED	
SCALE	1/16"=1'-0"	DATE	1-8-70
APPROVED		SHEET	
RELEASED		DRAWING NO.	A-A-177



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULE & DOOR SCHEDULE & SCHEDULE OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-4.
2. FOR COMPLETE FLOOR PLANS SEE DRAWINGS A-A-140 TO A-A-170.
3. ALL ELEVATIONS GIVEN THUS (70'0") ARE IN RELATION TO N.Y.C.D. FLOOR.
4. FOR MECHANICAL & ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS.
5. FINISH FLOOR ELEVATION & TOP OF SLAB ELEVATIONS ARE (70'0") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO SUSPENDED CEILINGS ARE CALLED FOR, SUCH AS IN CLOSETS, STAIR LANDINGS ETC., BOTTOM ELEVATION OF ALL FURRING & PARTITIONS SHALL BE MAINTAINED AT 8'-6" ABOVE FINISH FLOOR, TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS.
7. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 2½" MINIMUM (3" ACTUAL) DIMENSION IN ELEVATOR SHAFTS AND SHALL BE MIN. HOUR 12" FROM HORIZONTAL SEE TYPICAL DETAILS.
8. FOR TYPICAL PARTITION DETAILS SEE DRAWING "A" AND PARTITION SCHEDULE ON DRAWING A-A-1 TO A-A-175.
9. FOR MECHANICAL EQUIPMENT ROOM HEIGHTS SEE DRAWINGS A-A-160 TO A-A-175.
10. ALL WALLS, PARTITIONS (ALSO SHOWN WITH HATCHING) ARE IN THIS CONTRACT, ALL WORK NOT BETWEEN IS IN A SEPARATE CONTRACT BY OTHERS. WHERE WORK BY OTHERS INTERSECTS WORK IN THIS CONTRACT, CONTRACTOR SHALL COORDINATE ALL WORK SO THAT COMPLETED WORK IS CONTINUOUS AND UNIFORM. ALL DIMENSIONS SHOWN ON WORK BY OTHERS IS FOR COORDINATION ONLY.

SUBSEQUENT NOTE DATED ARE IN THE RECORD OF CORRECTION

CONTRACT	BID	DRAWING	date		
			9-25-72	A-857	DC
			10 I D	A-868	L.J.
			6-1-73	A-856	L.J.
			12-27-73	A-199	L.C.
			11-27-74	A-196	L.C.
			9-19-11	A-176	GBL
9-25-74	A-859	J.R.	6-18-75	A-166	D.T.
	A-807	J.R.	6-18-75	A-164	L.J.
1-29-76	A-868	L.J.	2-1-77	A-163	
1-17-75	A-868	L.J.	6-1-170	A-97	L.J.

NO.	DATE	REVISIONS	BY
NO.	DATE	REVISIONS	BY

APPROVED
CHIEF, PLANNING DIVISION
DATE

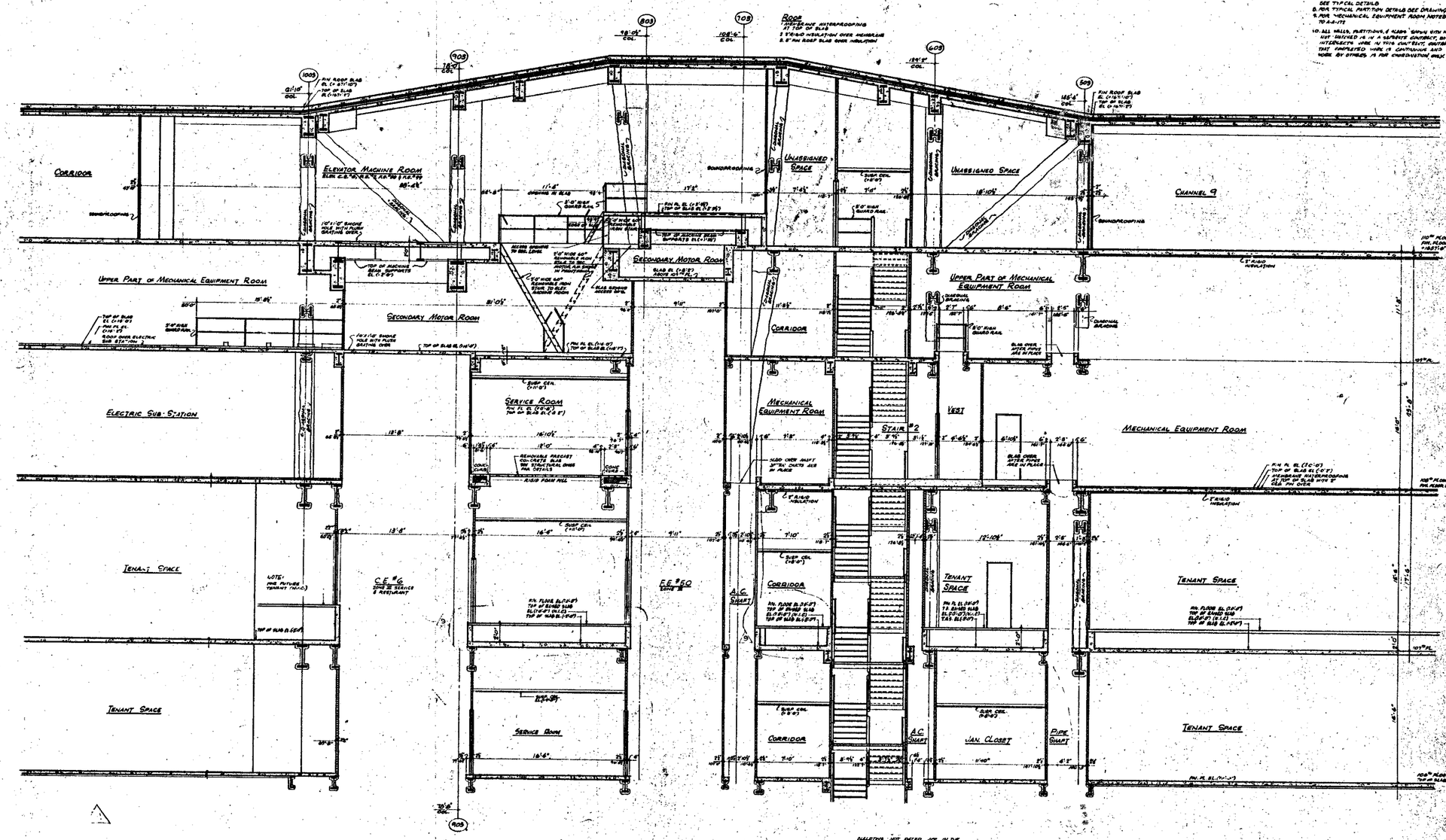
THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: TOWER SECTION SECTION 'B'

DRAWN	E.P.C.	CHECKED	
SCALE	1/16"	DATE	6-1-70
PROJECT			
DRAWING NO.	A-A-175		

1/16"-1'-0" 0 1' 2' 3' 4' 8' 12'



NOTES:

1. FOR GENERAL NOTES, KEY TO MATERIALS, BY-LOCO, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULE OF DRAWING SEE DRAWINGS A-A-103 & A-A-104 TO A-A-6
2. FOR COMPLETE FLOOR PLAN SEE DRAWINGS A-A-105 TO A-A-176
3. ALL ELEVATION GIVEN THUS (00'-0") ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE (+0'-0") UNLESS OTHERWISE SHOWN OR NOTED.
6. WHERE NO DOOR NOTED C.F. & D.S. ARE CALLED FOR EACH 10" IN CLOSET, STAIR PASSAGES, ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK, SHALL BE MAINTAINED AT 8'-0" ABOVE FINISHED FLOOR, TO PROVIDE FOR SUSPENDED CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOORS
7. CANT SLABS REQUIRED ON ALL BEAM PROJECTIONS OVER 2" NOMINAL (3" ACTUAL) DIMENSION. ALL ELEVATOR SHAFTS AND WALLS SHALL BE MAINTAINED 75° FROM HORIZONTAL. SEE TYPICAL DETAILS
8. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A-105 TO A-A-151
9. FOR MECHANICAL EQUIPMENT ROOM NOTES SEE DRAWINGS A-A-152 TO A-A-176
10. ALL WALLS, PARTITIONS, FLOORS SHOWN WITH HATCHING ARE IN THIS CONTRACT, ALL OTHER BUT LIMITED AS IN A SEPARATE CONTRACT, BY OTHERS, UNLESS NOTED. ALL INTERFACES WORK IN THIS CONTRACT, CONTRACTORS SHALL COORDINATE AS NEED TO THAT COMPLETED WORK IS CONTINUOUS AND UNINTERRUPTED. INSTALLATIONS SHOULD FOR WORK BY OTHERS, IN FOR CONSTRUCTION ONLY.

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

CONTRACT NO. DRAWING date

NO.	DATE	SUB. NO.	BY
1	9-20-74	L-606	R.B.
2	9-20-73	W-SHEAR B	L.L.
3	9-26-73	A-207	D.D.
4	VOID	A-660	L.L.
5	11-27-73	A-199	L.C.
6	11-27-73	A-196	L.C.
7	2-1-74	A-163	L.L.
8	2-1-74	A-663	L.L.
9	6-11-74	A-97	L.C.

REVISIONS

REGISTERED ARCHITECT

APPROVED

DIRECTOR, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL & ELECTRICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
SOILS ENGINEERING & ENGINEERS

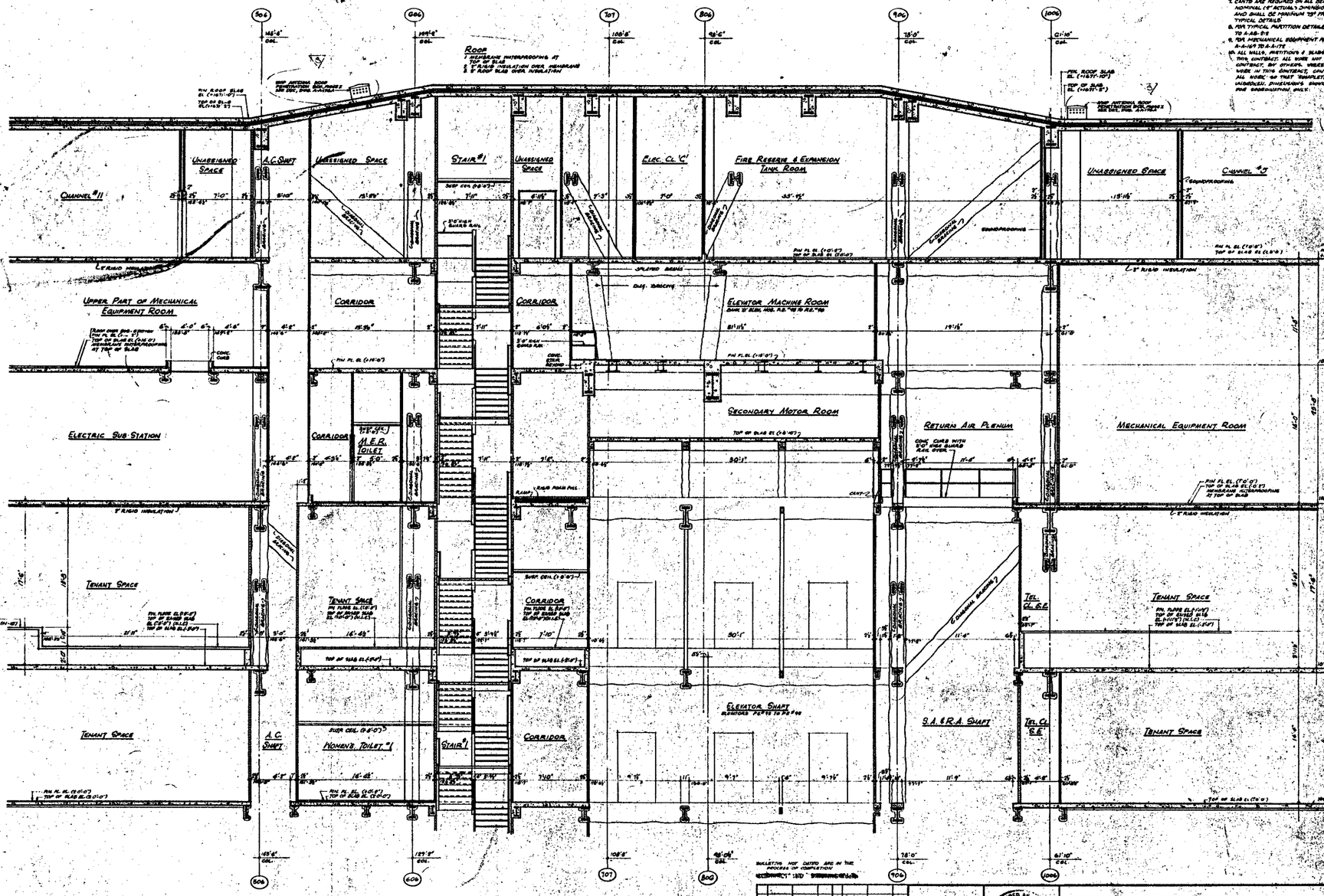
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: TOWER SECTION & SECTION "C"

1/4"-1'-0"

DESIGNED		APPROVED	
SCALE	1/4"=1'-0"	DATE	9-26-73
PROJECT MANAGER		CHIEF	
DRAWN BY		DATE	

A-A-179



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, FINISH SCHEDULES, DOOR SCHEDULES AND SCHEDULES OF DRAWINGS SEE DRAWINGS A-A-1 TO A-A-6
2. FOR COMPLETE FLOOR PLANS SEE DRAWINGS A-A-103 TO A-A-176
3. ALL ELEVATION DATA THUS (10'-0") ARE IN RELATION TO FINISH FLOOR
4. FOR MECHANICAL AND ELECTRICAL LAYOUTS SEE RESPECTIVE ENGINEERS DRAWINGS
5. FINISH FLOOR ELEVATION AND TOP OF SLAB ELEVATIONS ARE GIVEN UNLESS OTHERWISE SHOWN OR NOTED
6. WHERE NO SUSPENDED CEILING ARE CALLED FOR SUCH AS IN CLOSETS, OTHER PARTITIONS, ETC. BOTTOM ELEVATION OF ALL PIPING AND DUCTWORK SHALL BE MAINTAINED AT 8'-0" ABOVE FINISH FLOOR TO PROVIDE FOR FUTURE CEILING INSTALLATION AND CLEARANCE OF FULL HEIGHT DOOR
7. CANTS ARE REQUIRED ON ALL BEAM PROJECTIONS OVER 9½" NOMINAL (8" ACTUAL) DIMENSION IN ELEVATOR SHAFTS, AND SHALL BE MINIMUM "D" FROM HORIZONTAL SEE TYPICAL DETAILS
8. FOR TYPICAL PARTITION DETAILS SEE DRAWINGS A-A5-204 TO A-A5-213
9. FOR MECHANICAL EQUIPMENT ROOM NOTES SEE DRAWINGS A-A-169 TO A-A-176
10. ALL WALLS, PARTITIONS & SLABS SHOWN WITH HATCHING ARE BY CONTRACT. ALL WORK NOT HATCHED IS BY A SEPARATE CONTRACT, BY OTHERS. WHERE WORK BY OTHERS INTERFACES WORK IN THIS CONTRACT, CONTRACTORS SHALL COORDINATE ALL WORK SO THAT "COMPLETED" WORK IS ENTHUSIASTIC AND UNDISCLOSED. DRAWINGS SHOW ONLY WORK OF OTHERS AS FOR ORIENTATION SPACE

BULLETINS NOT DATED ARE IN THE PROCESS OF COMPLETION

NO.	DATE	DESCRIPTION	BY
7	7-22-74	A-405	GG
14	12-9-74	A-405	J.M.
15	1-28-75	A-130 thru 135	L.J.
16	VOID	A-666	L.J.
17	4-17-75	A-179	L.C.
18	5-23-75	A-176	L.C.
19	6-18-75	A-178	L.J.
20	9-11-75	A-165	L.J.
21	9-11-75	A-87	L.J.

REVISIONS

APPROVED
OWNER, PLANNING MANAGER
DATE

REGISTERED ARCHITECT

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: TOWER SECTION — SECTION "D"

DRAWN	K.R.C.	CHECKED	
SCALE	1/16" = 1'-0"	DATE	9-30-74
PROJECT LEADER			
PROJECT NO.			

A-A-180

DRAWING INDEX

L-A-1 — DRAWING INDEX

L-A-2 — ZONE I - PIT PLAN - BANKS A, B, C & D SHUTTLE & FREIGHT ELEVATORS

L-A-3 — ZONE I - RISER - BANKS A & B - SECONDARY & MACHINE ROOM PLANS

L-A-4 — ZONE I - BANKS C & D - SECONDARY & MACHINE ROOM PLANS

L-A-5 — ZONE I - ELEVATIONS - BANKS A, B, C & D

L-A-6 — ZONE II - PIT PLAN - BANKS A, B, C & D

L-A-7 — ZONE II - RISER - BANKS A & B - SECONDARY & MACHINE ROOM PLANS

L-A-8 — ZONE II - BANKS C & D - SECONDARY & MACHINE ROOM PLANS

L-A-9 — ZONE II - ELEVATIONS - BANKS A, B, C & D

L-A-10 — ZONE III - PIT PLAN - BANKS A, B, C & D

L-A-11 — ZONE III - RISER - BANKS A & D - SECONDARY & MACHINE ROOM PLANS

L-A-12 — ZONE III - BANKS B & C - SECONDARY & MACHINE ROOM PLANS

L-A-13 — ZONE III - ELEVATIONS - BANKS A, B, C & D

L-A-14 — FREIGHT ELEVATORS 48, 49 & 50 - ELEVATIONS, SECONDARY & MACHINE ROOM PLANS

L-A-15 — SHUTTLE ELEVATORS 1—11, HOISTWAY PLAN

L-A-16 — SHUTTLE ELEVATOR M.G. ROOMS

L-A-17 — ZONE II SHUTTLE ELEVATORS, SECONDARY LEVEL - F.E. 99 ELEVATION - SECONDARY LEVEL NO. 6, 7 & F.E. 50

L-A-18 — ZONE II SHUTTLE ELEVATORS - MACHINE ROOM - F.E. 99 & F.E. 50 MACHINE ROOM

L-A-19 — SHUTTLE ELEVATORS 12—23, HOISTWAY PLAN

L-A-20 — ZONE III SHUTTLE ELEVATORS - SECONDARY LEVEL

L-A-21 — ZONE III SHUTTLE ELEVATORS - MACHINE ROOM

L-A-22 — ZONE II & III SHUTTLE ELEVATORS - ELEVATIONS

L-A-23 — SHUTTLE & FREIGHT ELEVATORS - RISER & PLOT PLAN

L-A-24 — TOWER ESCALATORS - NOS A-3 THRU A-10

L-A-25 — TOWER ESCALATORS - NOS A-1 & A-2

L-A-26 — TOWER ESCALATORS - PLOT PLAN

REVISIONS

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT

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JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

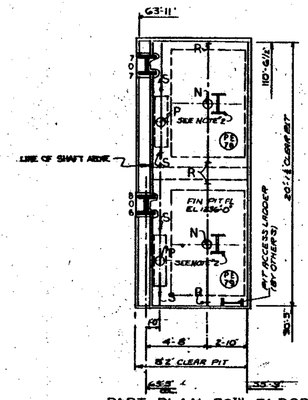
TITLE: DRAWING INDEX

DRAWN: JMM | CHECKED: CLK

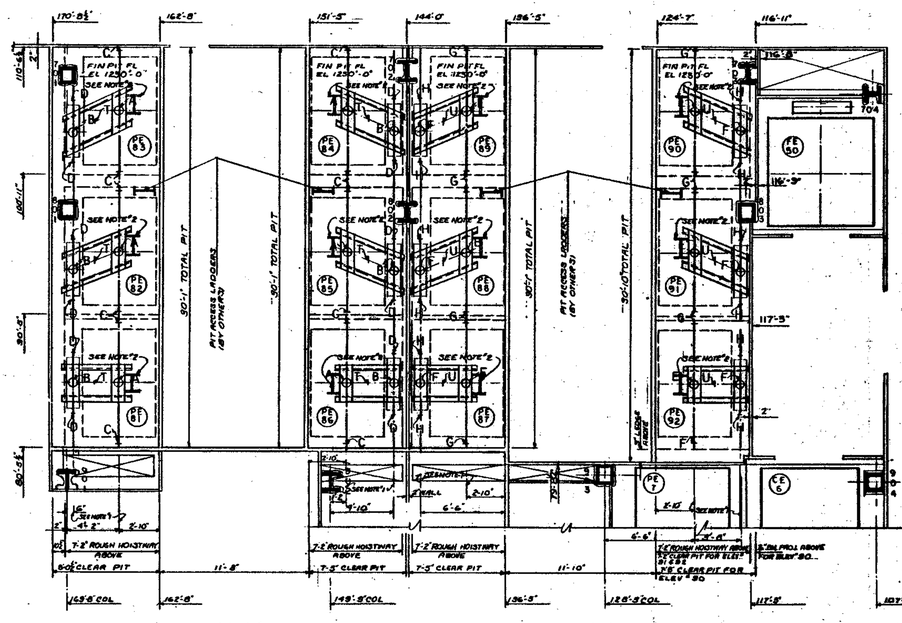
SCALE: NO. SCALE | DATE: 5-15-67

PROJECT NUMBER: | SHEET: OF

DRAWING NUMBER: L-A-1

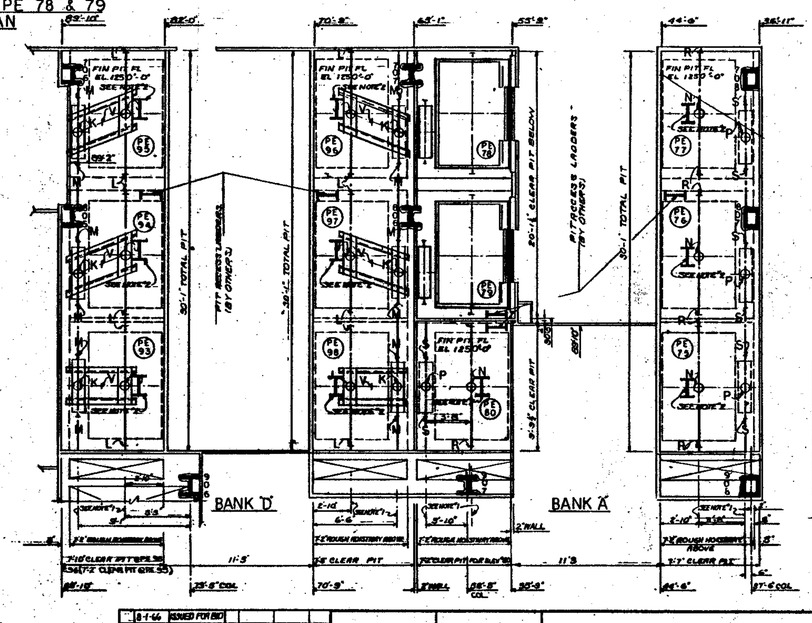


PART PLAN 76TH FLOOR
ELEVATORS NOS PE 78 & 79
PIT PLAN



BANK 'B'

BANK 'C'



BANK 'D'

BANK 'A'

PIT REACTIONS

CAR BUFFER IMPACT	A-48.7*	E-48.9*	J-43.4*	N-48.8*
CWT BUFFER IMPACT	B-51.9*	F-51.4*	K-32.1*	P-51.0*
CAR RAIL IMPACT	C-26.7*	G-22.0*	L-27.4*	R-26.8*
CWT RAIL IMPACT	D-23.8*	H-23.7*	M-23.9*	S-23.0*
UP-PULL	P-20.8*	U-20.8*	V-22.0*	

1) CAR RAILS, CAR BUFFERS, COUNTERWEIGHT RAILS & COUNTERWEIGHT BUFFERS ACT INDEPENDENTLY OF EACH OTHER. ADJACENT ELEVATORS ACT INDEPENDENTLY OF EACH OTHER
2) CAR OR COUNTERWEIGHT RAIL IMPACTS DO NOT OCCUR SIMULTANEOUSLY WITH TIE-DOWN COMPENSATION UP-PULL

PART PLAN 77TH FLOOR
ELEVATORS NOS PE 75 - 77 & 80 - 98
PIT PLAN

NOTES:
1) SUPPORT BEAMS MIN 8" WIDE FLANGE (BY OTHERS)
2) BUFFER STEEL RUNG LADDERS (BY OTHERS) LOCATED AS DIRECTED BY ELEV MANUFACTURER
3) SEE DWG. L-A-16 FOR PIT SECTIONS

NO.	DATE	REVISIONS	BY
0	8-1-66	ZONED FOR BID	
1	8-14-67	—	MM
2	10-5-67	—	MM

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
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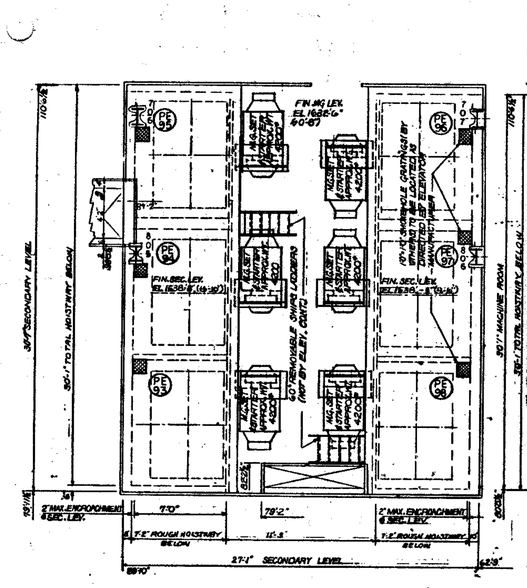
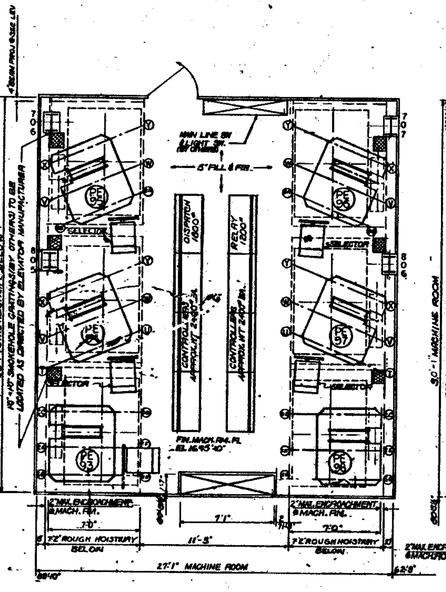
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE III - PIT PLAN BANKS A B C & D

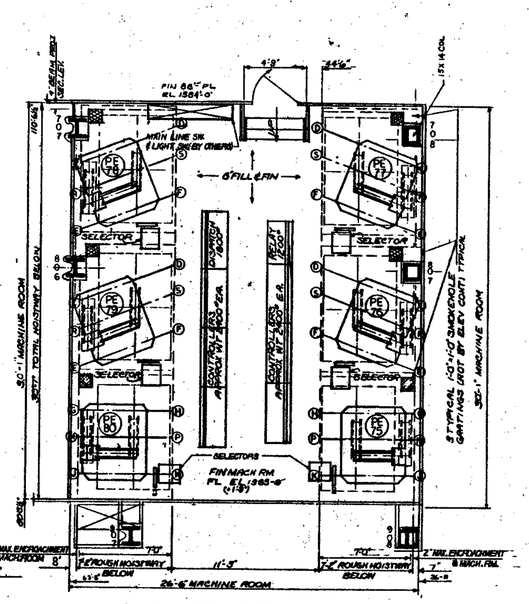
DRAWN	RSC	CHECKED	CLR
SCALE	1/8"=1'-0"	DATE	7-15-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-10		



MG & SECONDARY LEVEL
BANK 'D' ZONE III
108TH FLOOR



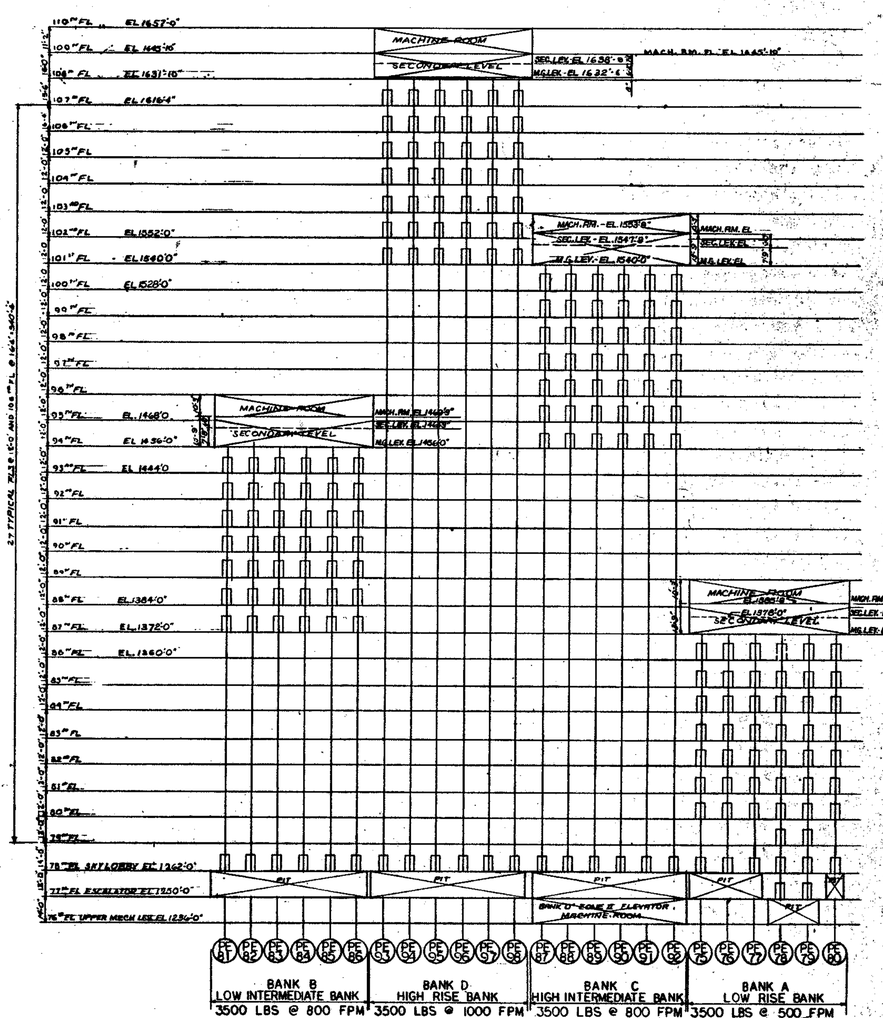
MACHINE ROOM
BANK 'D' ZONE III
109TH FLOOR



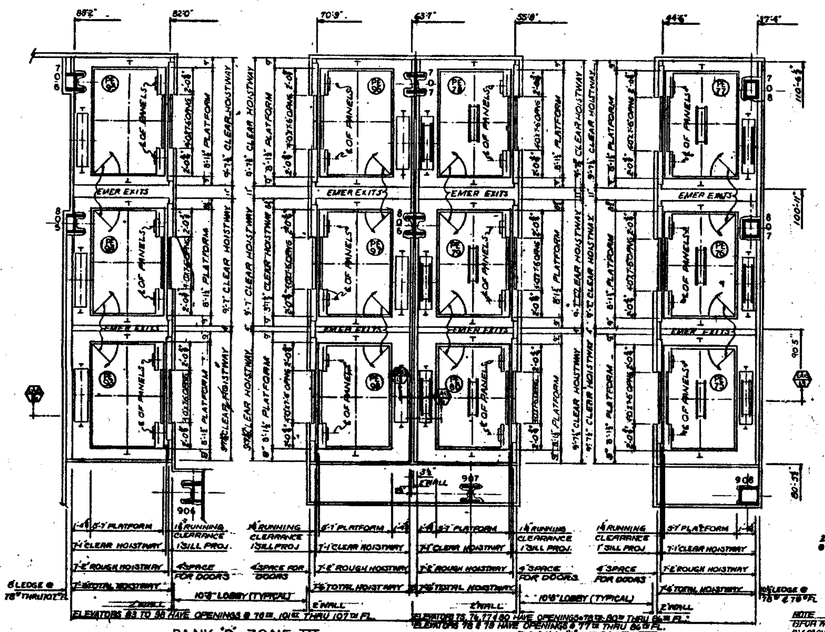
MACHINE ROOM
BANK 'A' ZONE III
88TH FLOOR

REACTIONS									
A*	13.4*	G	6.2*	N	3.6*	Y	4.9*	CC	22.0*
B*	10.4*	H	5.8*	P	5.2*	W	3.6*	DD	16.0*
C	10.4*	J	14.4*	R	4.8*	X	23.7*	EE	8.1*
D	8.8*	K	9.0*	S	2.2*	Y	18.0*	FF	2.5*
E	12.6*	L*	19.6*	T	11.6*	AA	15.4*	GG	17.0*
F	11.4*	M*	14.0*	U	18.4*	BB	11.6*	HH	10.0*

*NOTE
1) ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT
2) REACTION S MARKED WITH AS TRACK (1) OCCUR AT SECONDARY LEVEL

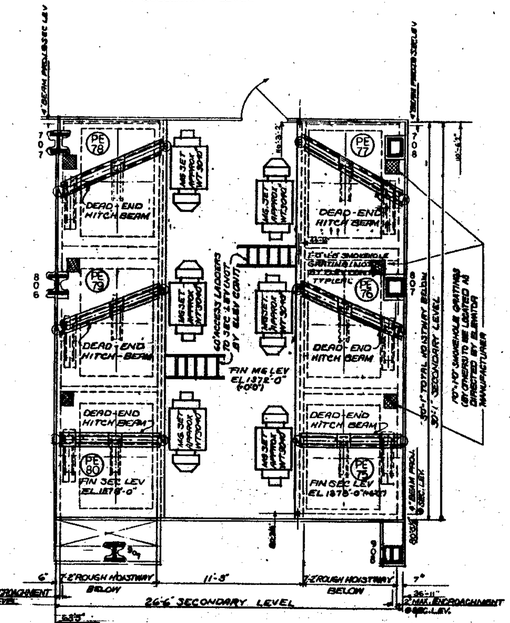


SCHEMATIC SECTION
TOWER 'A' RISER DIAGRAM
ZONE III LOCAL ELEVATORS
NO SCALE



BANK 'D' ZONE III

BANK 'A' ZONE III



MG & SECONDARY LEVEL
BANK A ZONE III
87TH FLOOR

NOTE
1) FOR WALL LOCATION SEE DWG. NO. L-A13
2) 60" GUARDS REQ'D. ON ALL BEAM PROJ.
3) 4 ADJACENT 87TH ELEV. CONT'D
4) ELEV. CONT. TO PROVIDE CHANNEL TRACKING AS REQUIRED

NO.	DATE	REVISIONS	BY
1	3-24-67		
2	11-3-67		

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

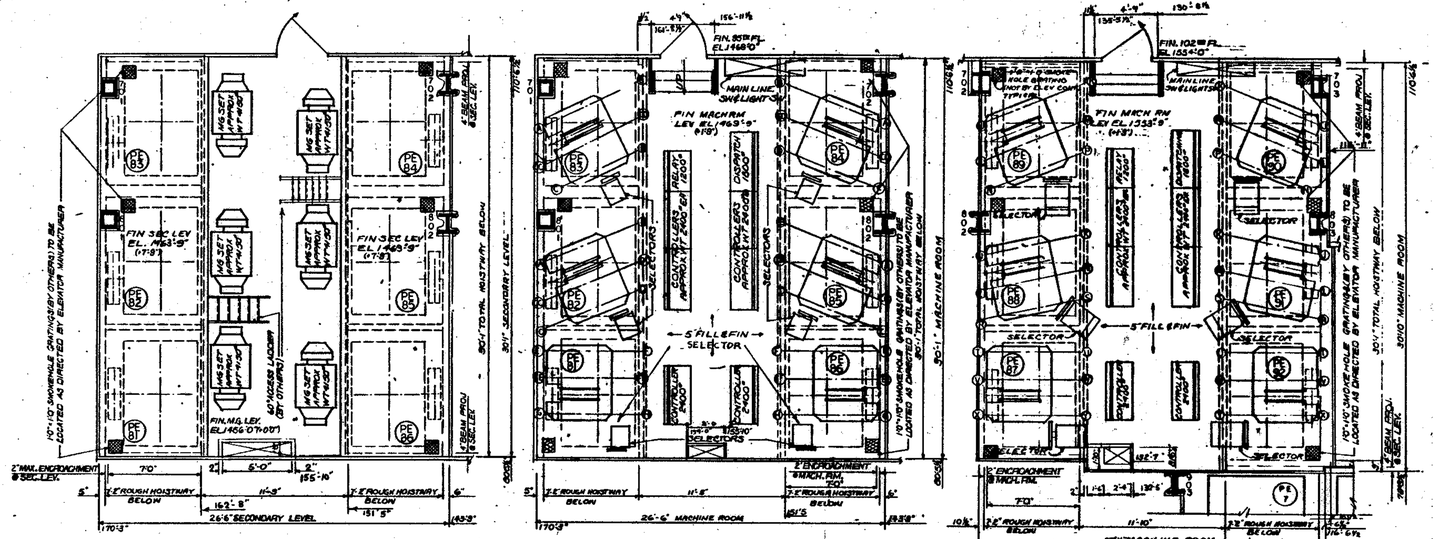
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

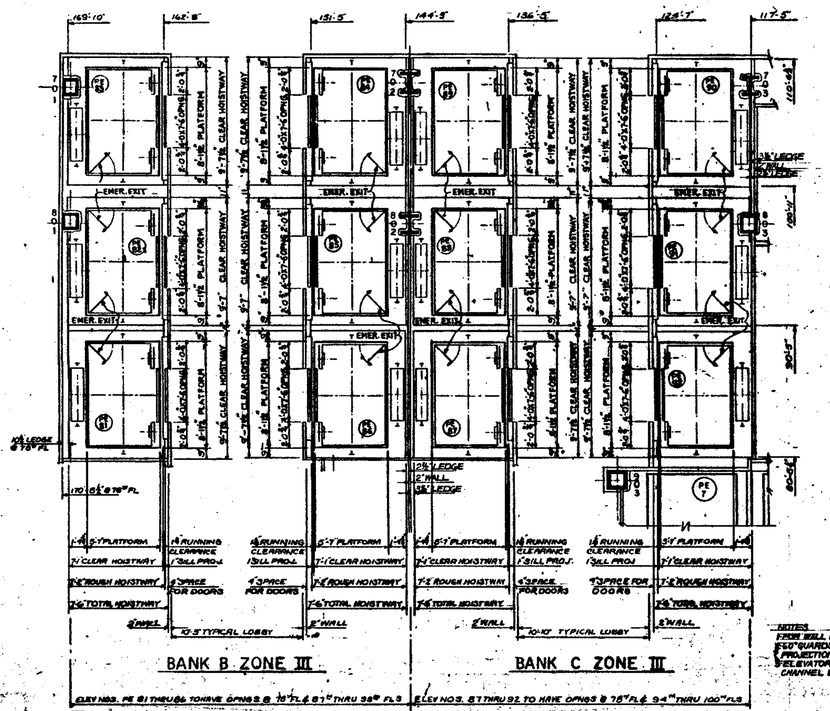
TITLE: ZONE III - RISER BANKS A & D - SECONDARY & MACHINE ROOM PLANS

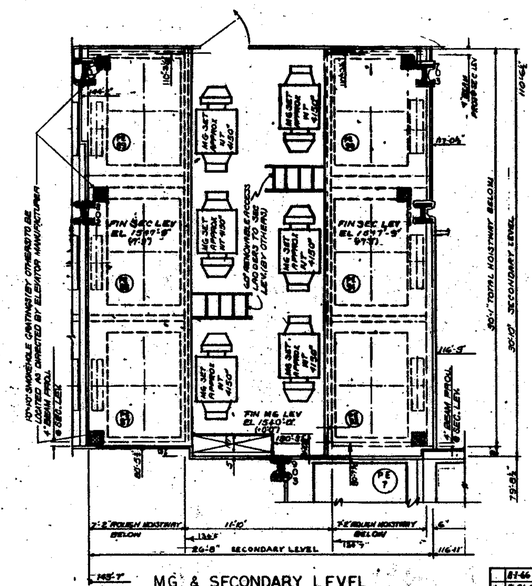
DRAWN	RSC	CHECKED	CLK
SCALE	1/8"=1'-0"	DATE	7-13-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-11		



REACTIONS									
A	27.0°	G	26.0°	N	12.4	V	5.0°	EE	4.9°
B	15.5°	H	16.9°	P	14.1	W	5.0°	FF	3.1°
C	11.6°	J	28.2°	R	12.9°	X	26.1°		
D	12.3°	K	13.3°	S	14.1°	Y	15.4°		
E	14.6°	L	4.6°	T	16.7°	CC	4.5°		
F	9.5°	M	3.4°	U	10.1°	DD	8.5°		

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT





NOTES
1. DOOR WELL LOCATIONS SEE DWG. L-A-8
2. 5'-0" GUARDS PROVIDED ALL BEAM PROJECTIONS & 6 ABOVE (BY OTHERS)
3. ELEVATOR CONTRACTOR TO PROVIDE CHANNEL BACKING AS REQUIRED

NO.	DATE	ISSUED FOR BID	BY
1	8-21-67	—	JMC
2	11-3-67	—	JMC

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
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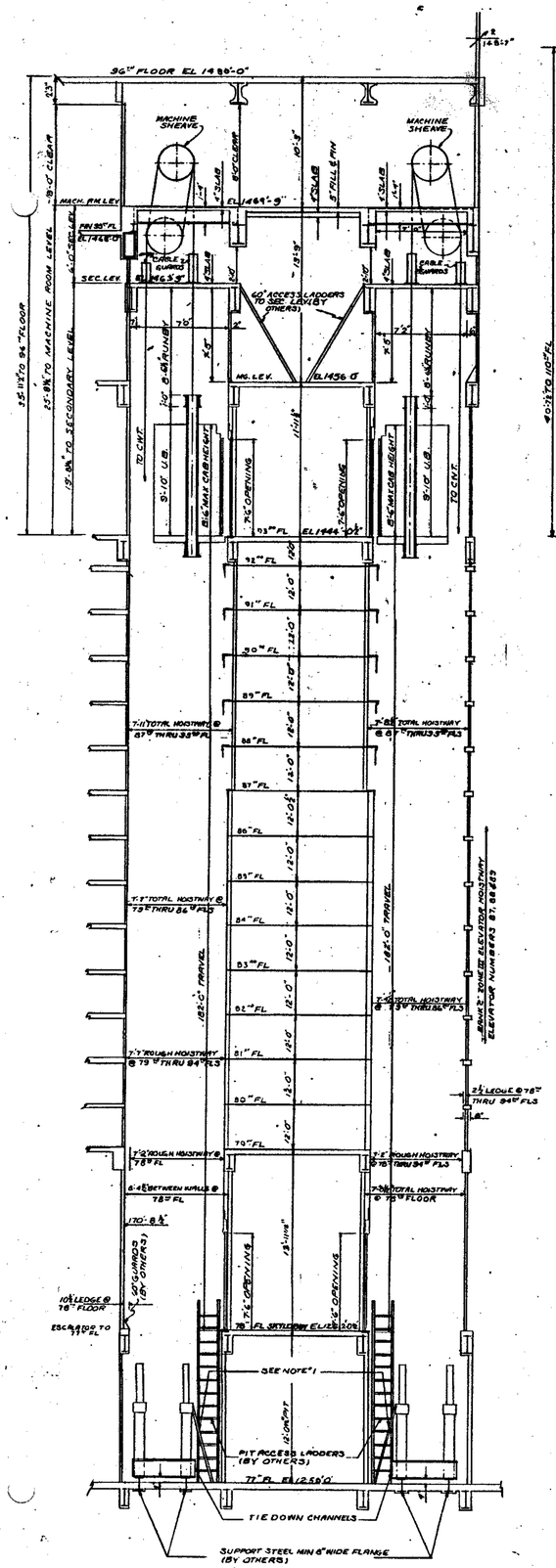
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE III BANKS 'B' & 'C' - SECONDARY & MACHINE ROOM PLANS

DRAWN	RSC	CHECKED	CLR
SCALE	1/4"=1'-0"	DATE	7-15-66
PROJECT ENGINEER		SHEET	OF
DRAWING NO.	L-A-12		



NO.	DATE	REVISION NO.	BY
1	9-29-67	—	JMM
2	10-6-67	—	JMM

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

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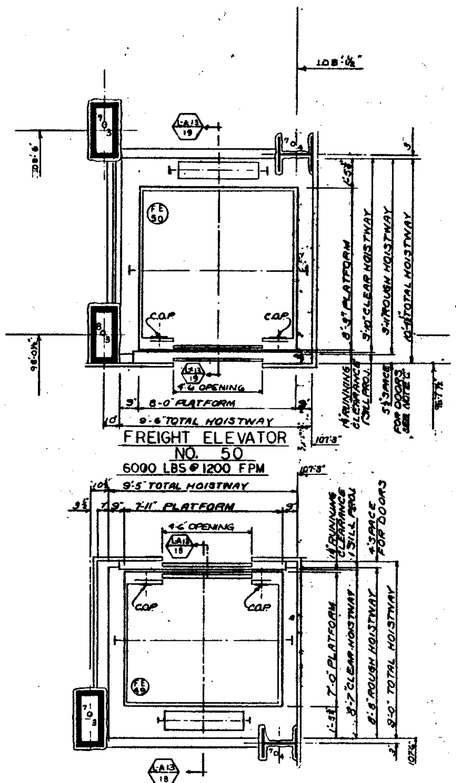
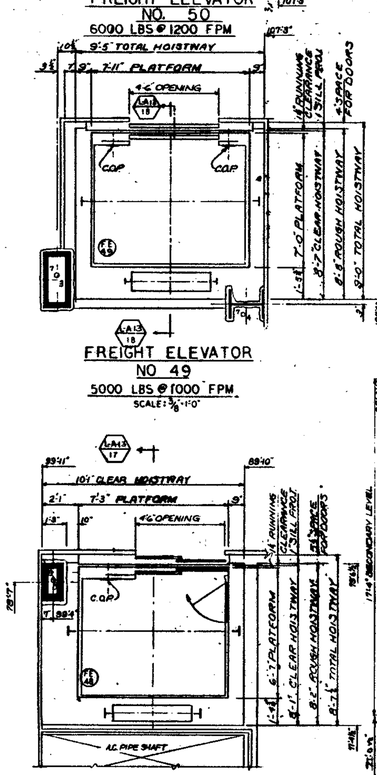
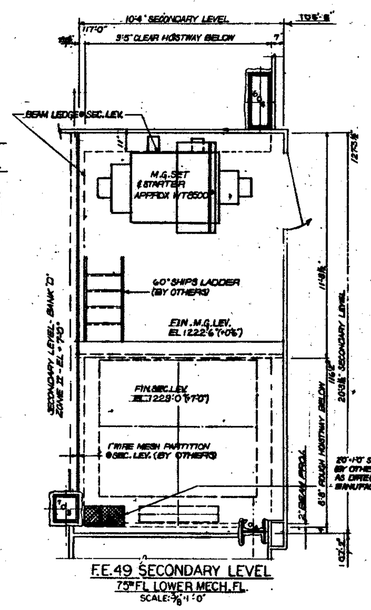
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

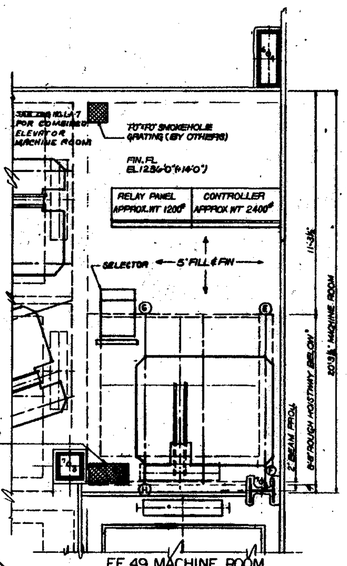
TITLE: ZONE III - ELEVATIONS BANKS A B C & D

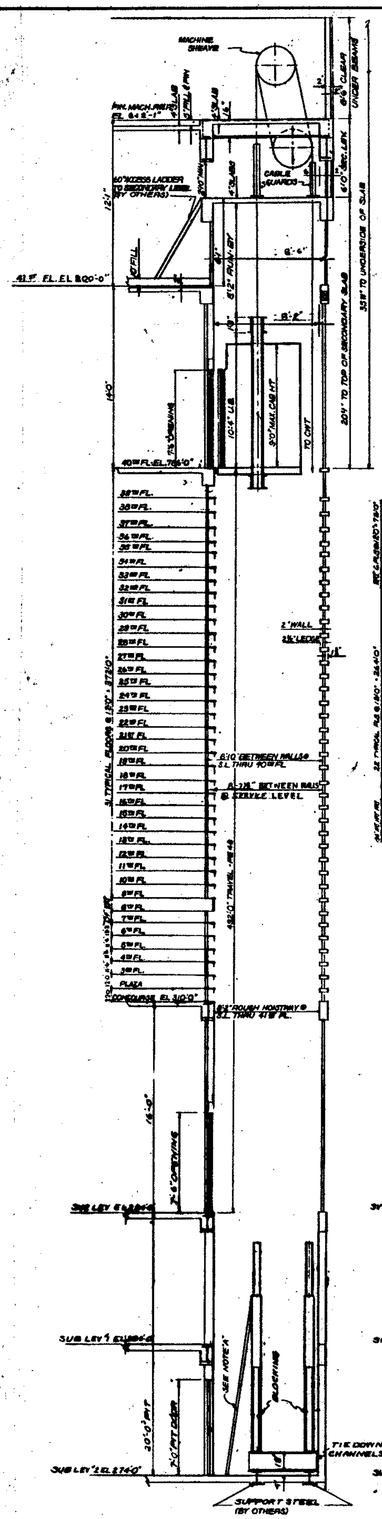
DRAWN	RSC	CHECKED	CLK
SCALE	1/4"=1'-0"	DATE	7-15-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-13		

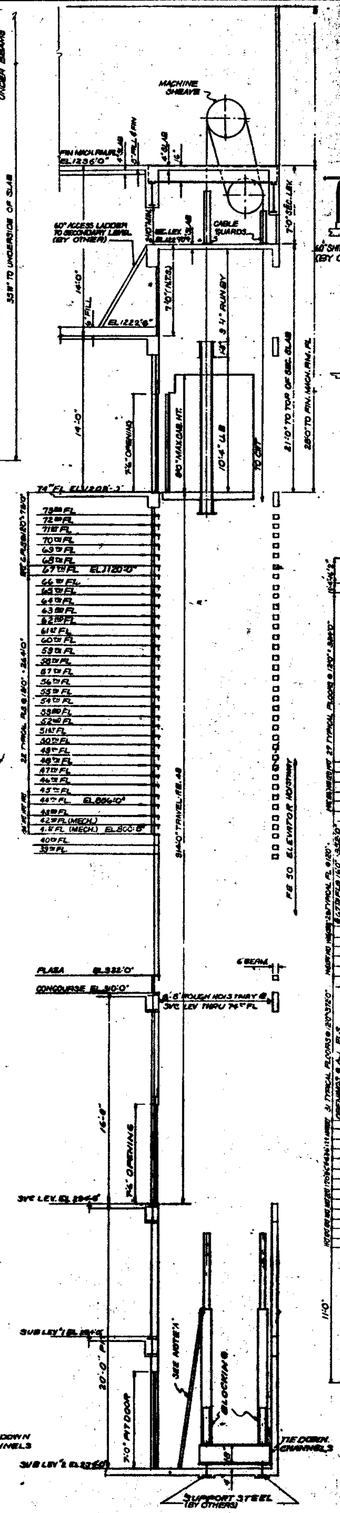


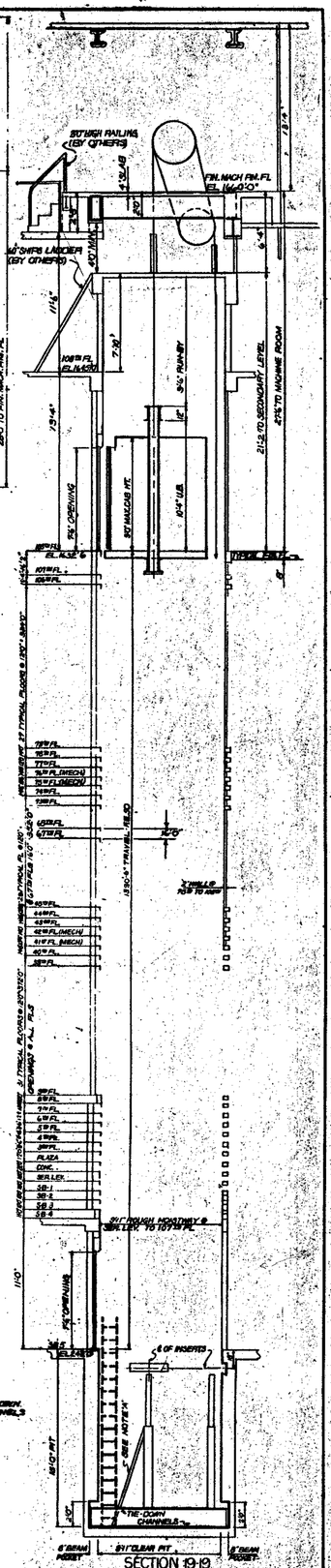


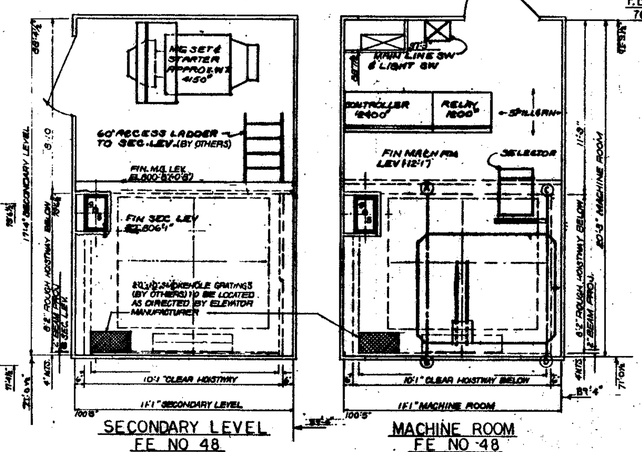












REACTIONS			
A		E	15.0K
B		F	20.0K
C		G	29.0K
D		H	40.0K

NOTE ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT

NOTES
A- BUFFER STEEL RUNG LADDERS- TYPICAL-(BY OTHERS) TO BE LOCATED AS DIRECTED BY ELEVATOR MANUFACTURER.
B- ALL PLAN VIEW ELEVATIONS PERTAINING TO 48 FL. FE/FE 48 ARE WITH REFERENCE TO 41'0" SLAB EL 1222'0" ELEVATIONS PERTAINING TO 49 FL. FOR FE. 49 ARE WITH REFERENCE TO 76'0" FL. SLAB EL 1223'0"
C- 6" SPACE FOR DOORS @ 58'-3, 38'-6, 58'-6, 76TH THRU 108TH FL.

NO.	DATE	SUBM. NO.	BY
	8-1-66	ISSUED FOR BID	
1	3-24-67	—	JMM
2	5-4-67	—	JMM
3	9-22-67	—	RSC

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

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STRUCTURAL ENGINEERS

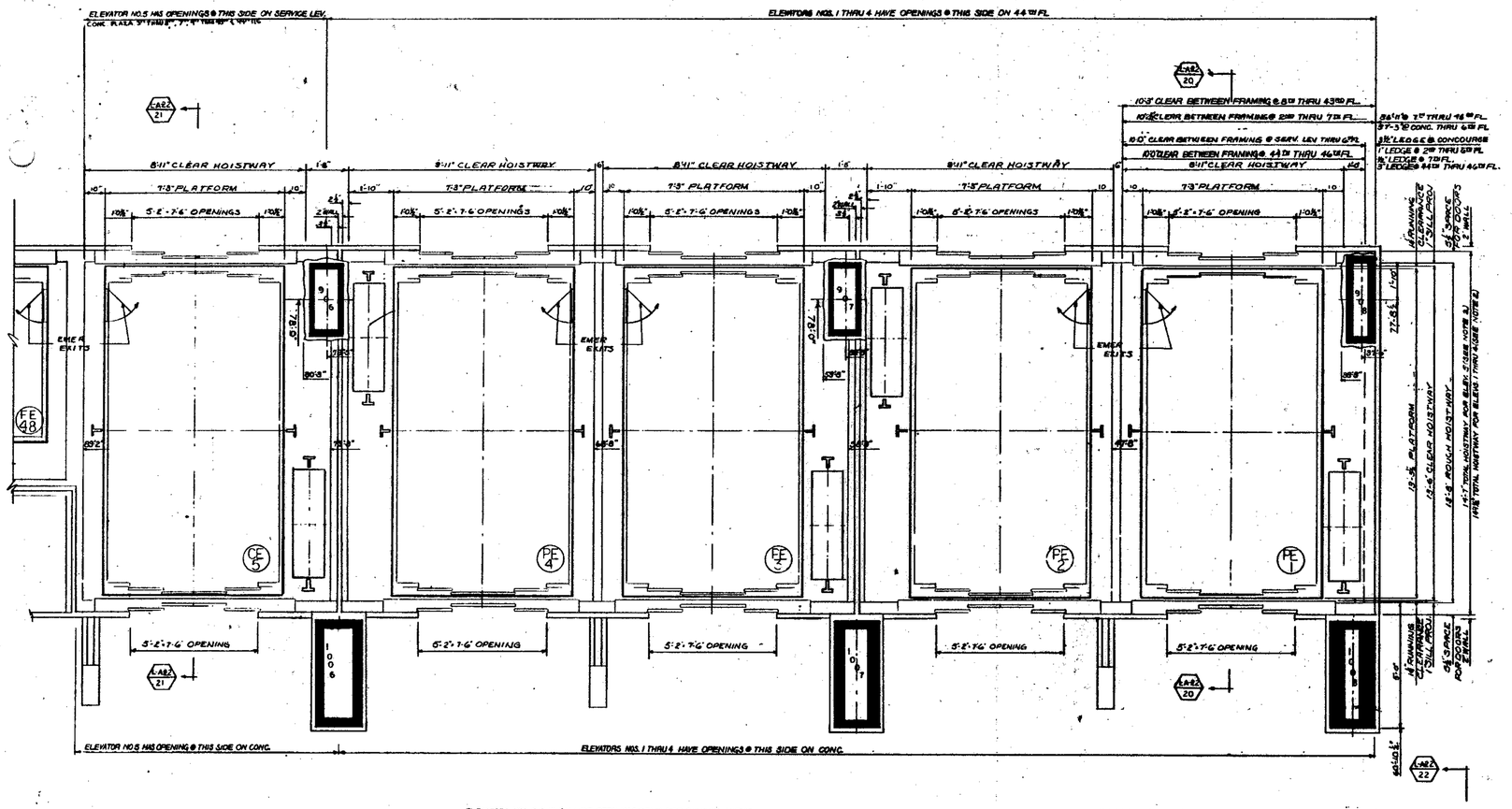
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

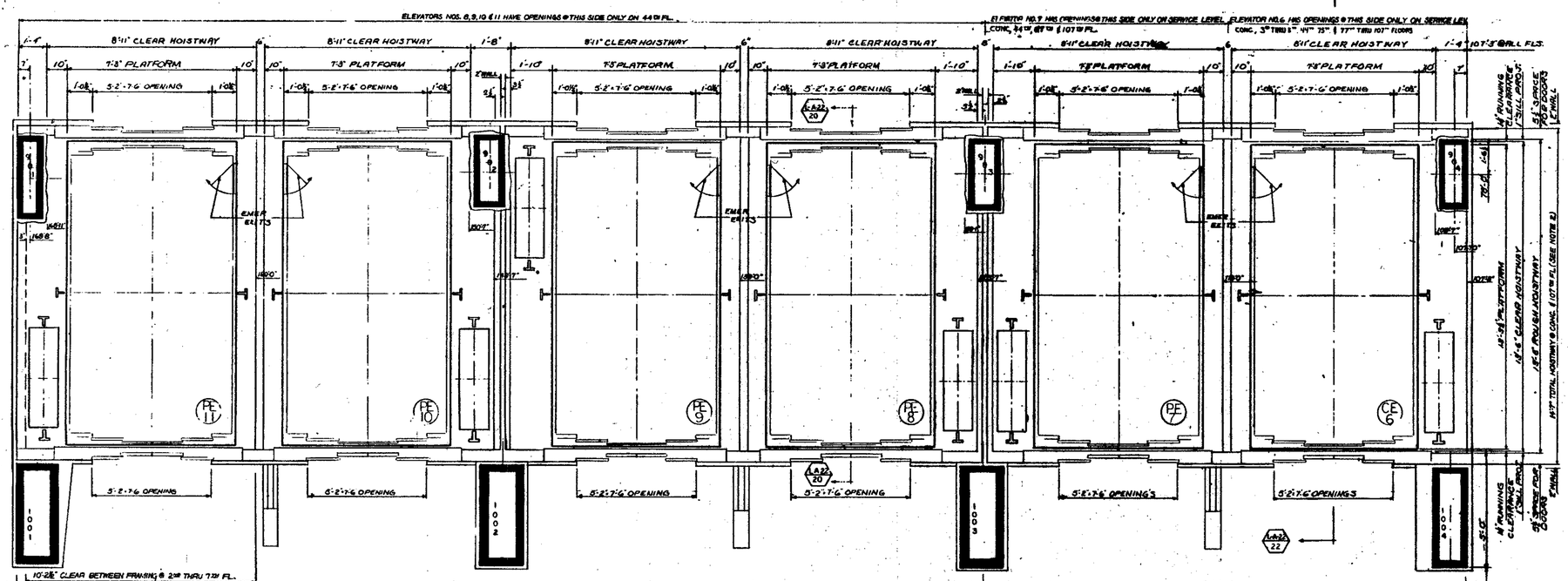
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: FREIGHT ELEVATOR 48,49 & 50 - ELEVATIONS SECONDARY & MACHINE ROOM PLANS

DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	AS NOTED	DATE	7-15-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-14		





NOTE
1) MAXIMUM DISTANCE BETWEEN TOP OF RAIL SUPPORT STEEL AT ONE FLOOR TO BOTTOM OF RAIL SUPPORT STEEL ABOVE TO BE 13'-0" IN.
2) FOR MILL LOCATIONS SEE DWG NO. L-A-22
3) FOR SCHEDULE OF OPENINGS SEE DWG NO. L-A-23
4) 60 CEMENT CANTS REQ'D. ON BEAM PROJECTIONS 6" & ABOVE (BY OTHERS)

NO.	DATE	REVISIONS	BY
1	5-22-67	—	JRM
2	5-5-67	—	JRM

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

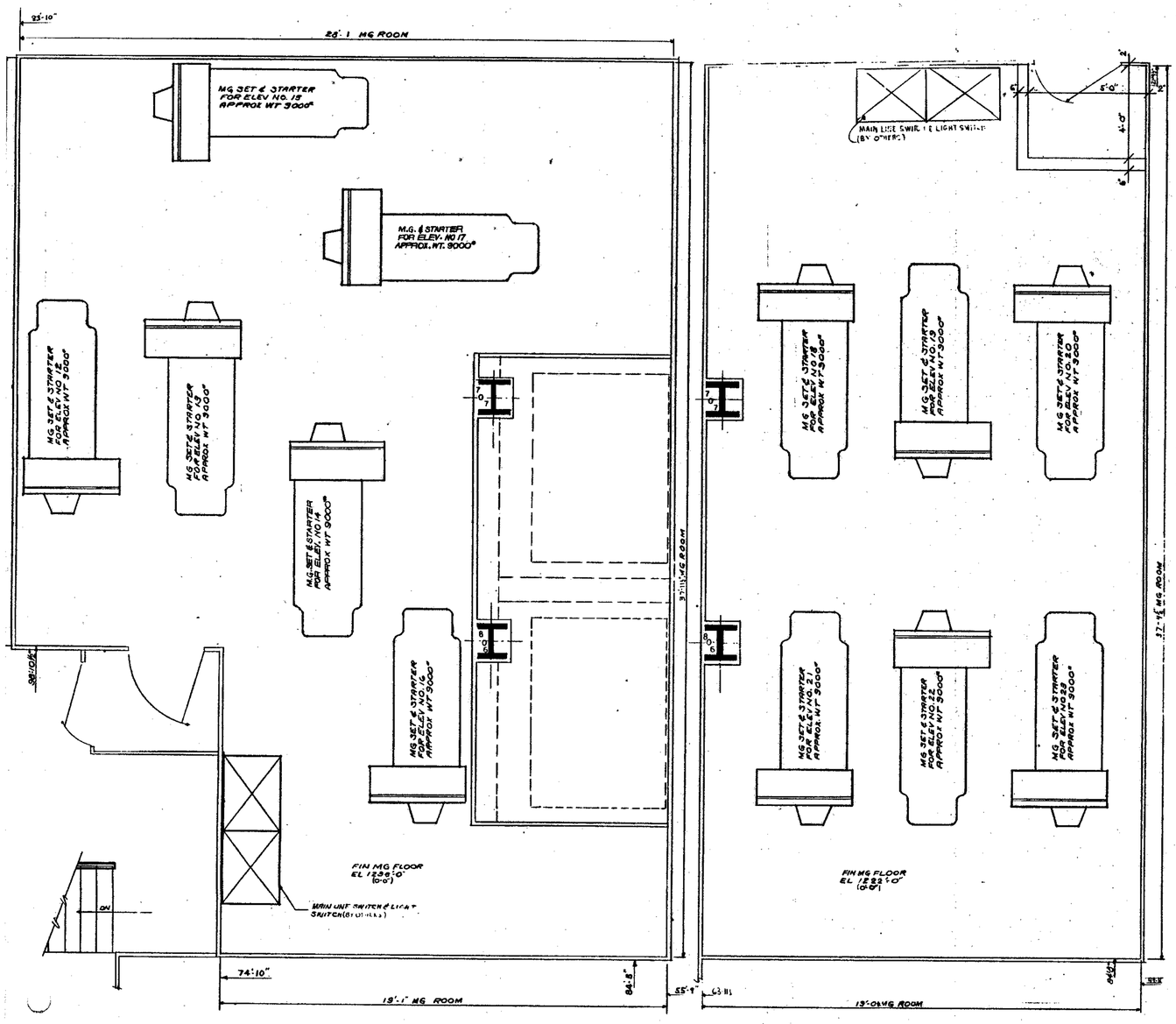
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SHUTTLE ELEVATORS NO. 1-11 HOISTWAY PLANS

DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	1/4"-1'-0"	DATE	7-15-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-15		



MG ROOM ZONE III SHUTTLE ELEVATORS,
76TH FLOOR
UPPER MECH LEVEL

MG ROOM ZONE III SHUTTLE ELEVATORS
75TH FLOOR
LOWER MECH LEVEL

MG ROOM ZONE II SHUTTLE ELEVATORS
41ST FLOOR

NO.	DATE	ISSUED FOR	BY
1	9-22-67	—	JMH
2	5-5-67	—	JMH

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
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JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

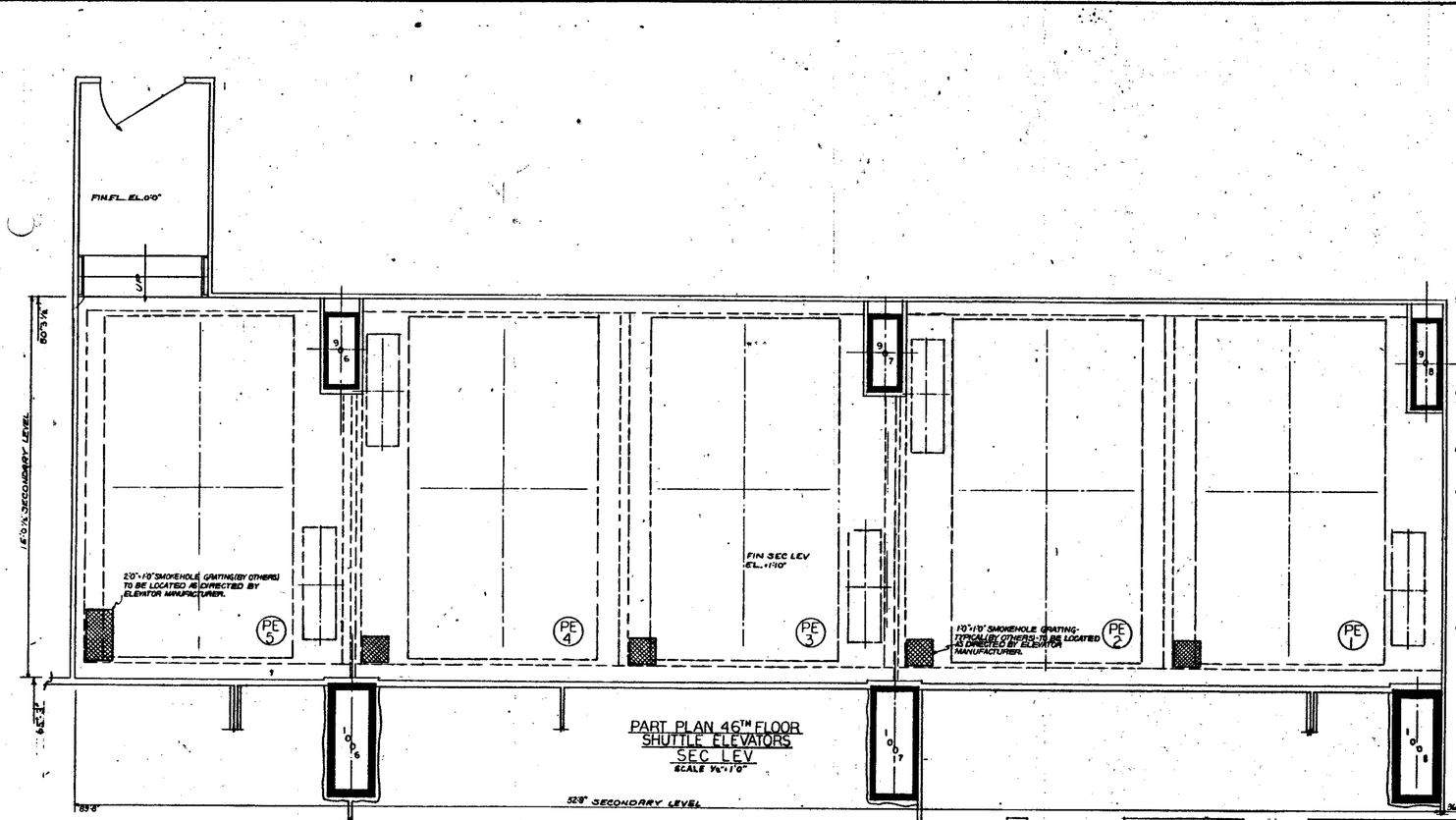
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

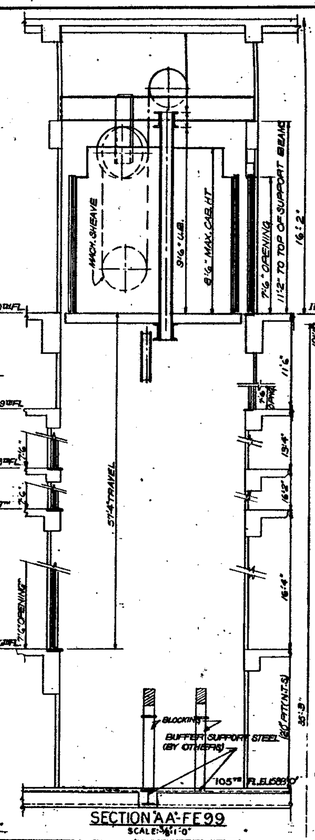
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: SHUTTLE ELEVATORS MG. ROOMS

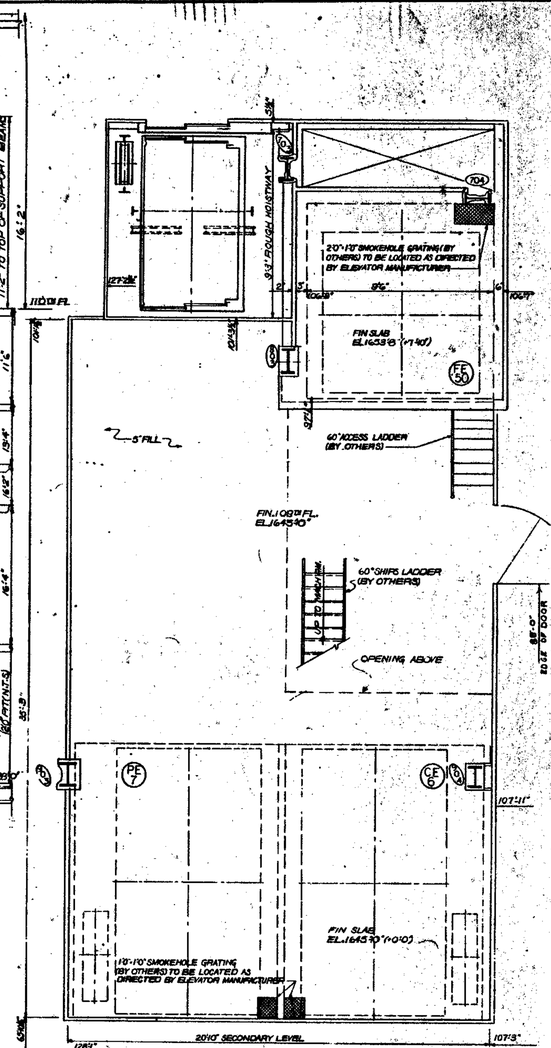
DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	1/4"=1'-0"	DATE	1-15-68
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	LA-16		



PART PLAN 46TH FLOOR
SHUTTLE ELEVATORS
SEC LEV
SCALE ⅛"=1'0"



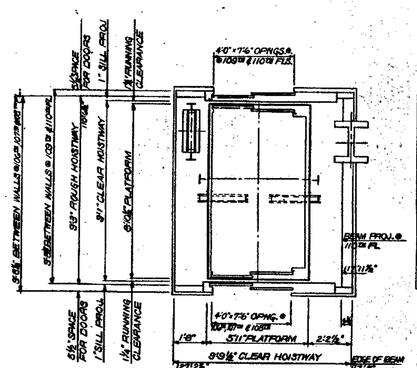
SECTION 'AA' FE 99
SCALE ⅛"=1'0"



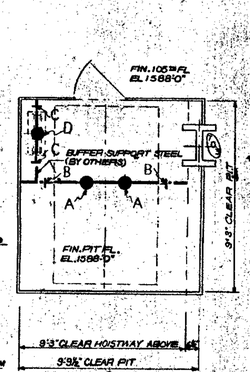
109TH FL SECONDARY LEVEL
ELEVATORS PE 6, CE 7, FE 50 & FE 99
SCALE ⅜"=1'0"

PIT REACTIONS	
CAR BUFFER IMPACT	A=18.0"
CWT BUFFER IMPACT	C=82.0"
CAR RAIL IMPACT	B=20.0"
CWT RAIL IMPACT	C=16.0"

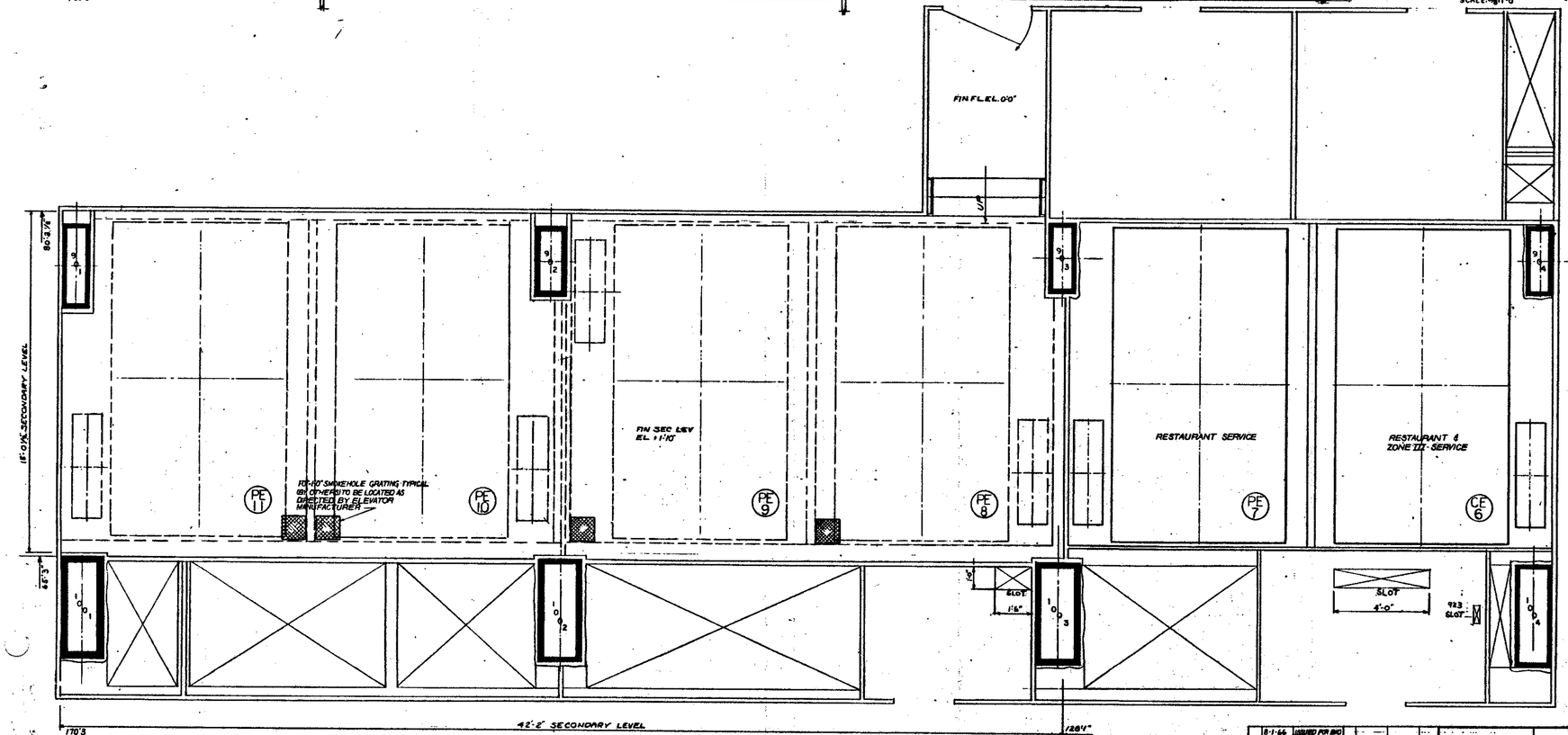
ALL ELEVATIONS ARE TAKEN WITH REFERENCE TO THE 109'0 FL WHICH IS 164'5"-10"



ELEVATOR FE 99
4000 LBS @ 100 FPM
SCALE ⅜"=1'0"



PIT PLAN
ELEVATOR FE 99
SCALES ⅜"=1'0"



PART PLAN-46TH FLOOR
SHUTTLE ELEVATORS
SEC LEV
SCALE ⅛"=1'-0"

NO.	DATE	REVISIONS	BY
1	5-21-67	—	JMM
2	5-5-67	—	JMM
3	5-22-67	—	RSC

NO. DATE REVISIONS BY

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

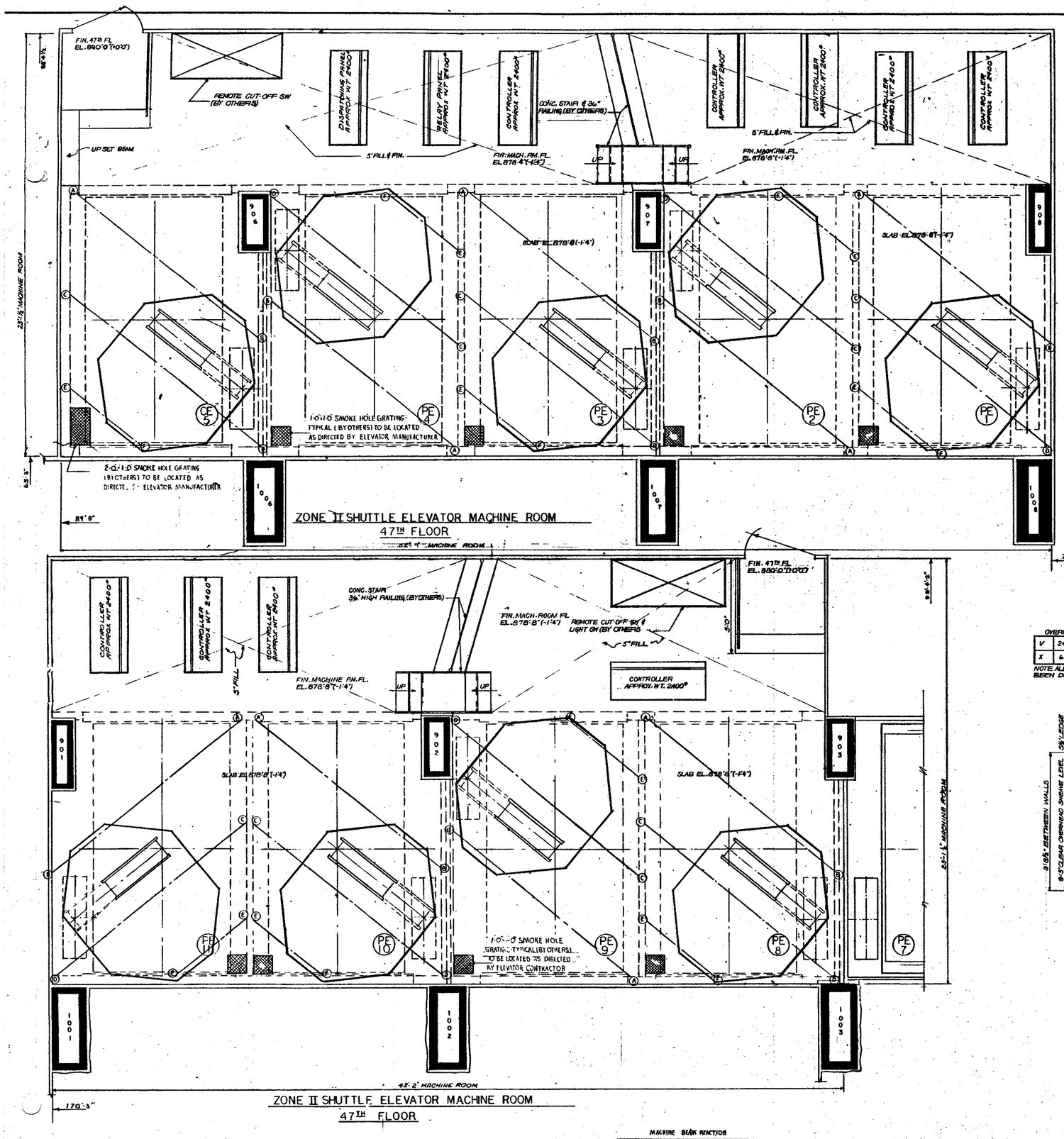
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

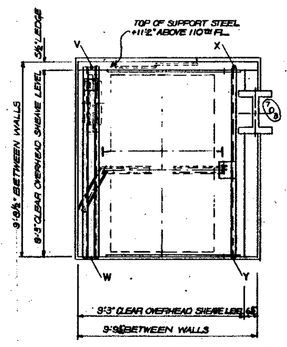
TITLE: ZONE II SHUTTLE ELEVATOR SEC. LEVEL-FE 99 ELEVATION-SEC. LEVEL NO. 6, 7 & FE. 50

DRAWN	R.S.C.	CHECKED	C.I.K.
SCALE	AS NOTED	DATE	7-15-66
PROJECT NUMBER		SHEET	64
DRAWING NUMBER	L-A-17		



OVERHEAD SHEAVE			
V	24.5"	W	20.5"
X	6.2"	Y	6.3"

NOTE ALL LIVE LOADS HAVE BEEN DOUBLED



OVERHEAD SHEAVE LEVEL
ELEVATOR FE 99
SCALE: 3/8"=1'-0"

MACHINE BEAM REACTION

A	38.0"	G	125.0"	N	29.0"
B	105.7"	H	130"	P	90.0"
C	5.5"	J	7.2"	R	9.0"
D	9.5"	K	7.8"	S	3.8"
E	37.0"	L	49.4"	T	68.0"
F	90.0"	M	37.6"	U	60.0"

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT

NO.	DATE	ISSUE NO.	BY
	8-1-66	ISSUED FOR BID	
1	9-23-67	—	JMM
2	5-5-67	—	JMM
3	9-22-67	—	RSC

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

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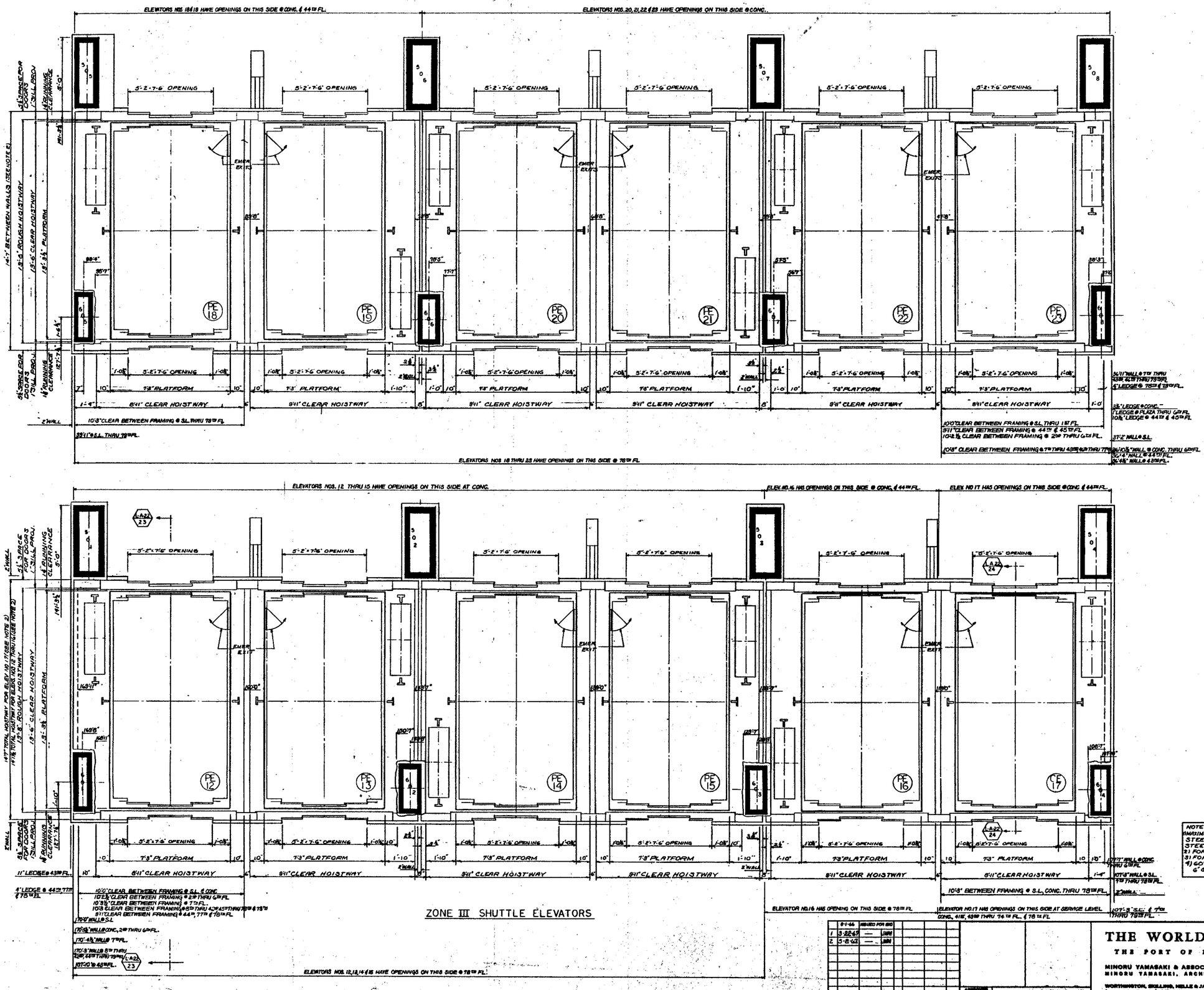
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE II-SHUTTLE ELEVATOR MACHINE ROOM-FE 99 & FE 50 MACHINE ROOM

DRAWN	RSC	CHECKED	CLK
SCALE	AS NOTED	DATE	7-15-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-18		



NOTE:
MAXIMUM DISTANCE BETWEEN TOP OF RAIL SUPPORT STEEL AT ONE FLOOR TO BOTTOM OF RAIL SUPPORT STEEL ABOVE TO BE 13FT.-0IN.
2) FOR WALL LOCATIONS SEE DWG NO. L-A-22
3) FOR OPENINGS SEE RISER DIAGRAM, DWG NO L-A-23
4) 60# CEMENT GNTS REQUIRED ON ALL BEAM PROJECTIONS 6" & ABOVE (BY OTHERS)

	DATE	ISSUED FOR BID					
1	5-22-67	—	JMM				
2	5-8-68	—	JMM				

NO. DATE EXPL. NO. BY — REVISIONS — NO. DATE EXPL. NO. BY — REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

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MECHANICAL ENGINEERS

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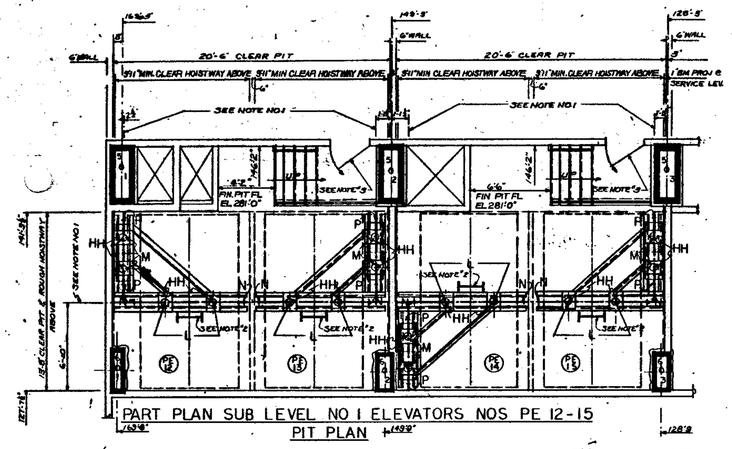
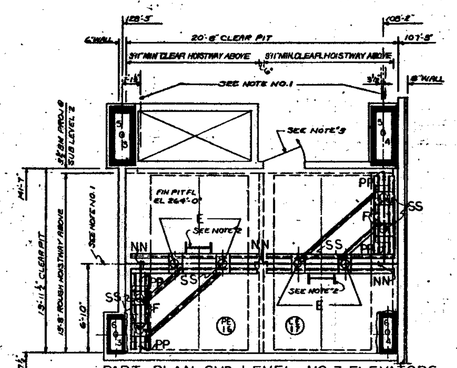
PAVING, UTILITIES, FOUNDATIONS

TITLE: SHUTTLE ELEVATORS NOS 12-23 HOISTWAY PLANS

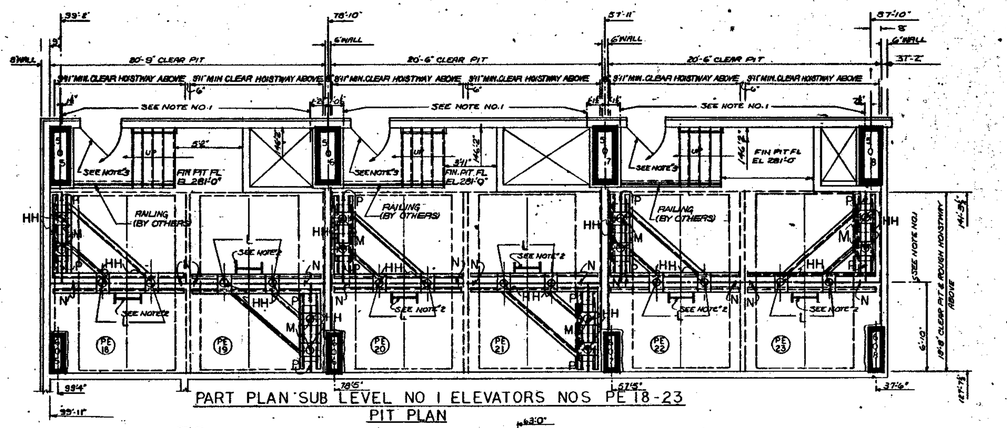
DRAWN	RSC	CHECKED	CLK
SCALE	1/4"=1'-0"	DATE	7-15-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-19		



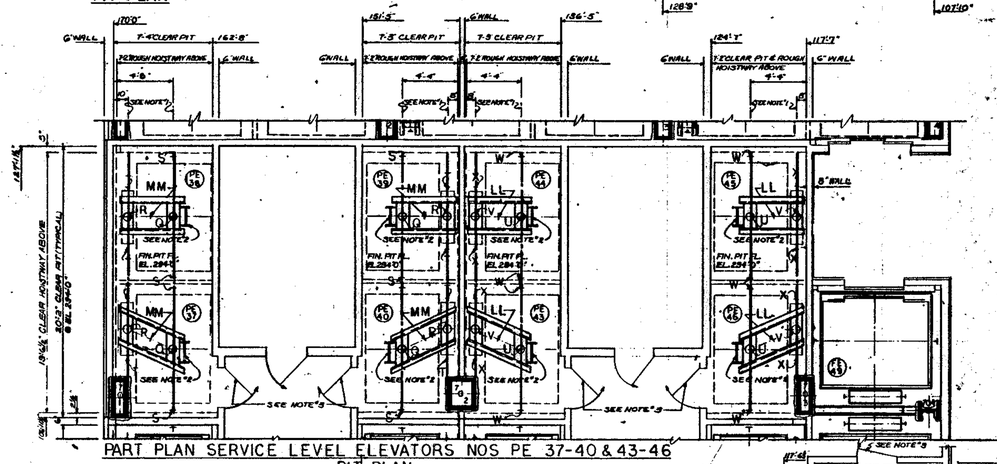
PART PLAN SUB LEVEL NO 1 ELEVATORS NOS PE 12-15
PIT PLAN



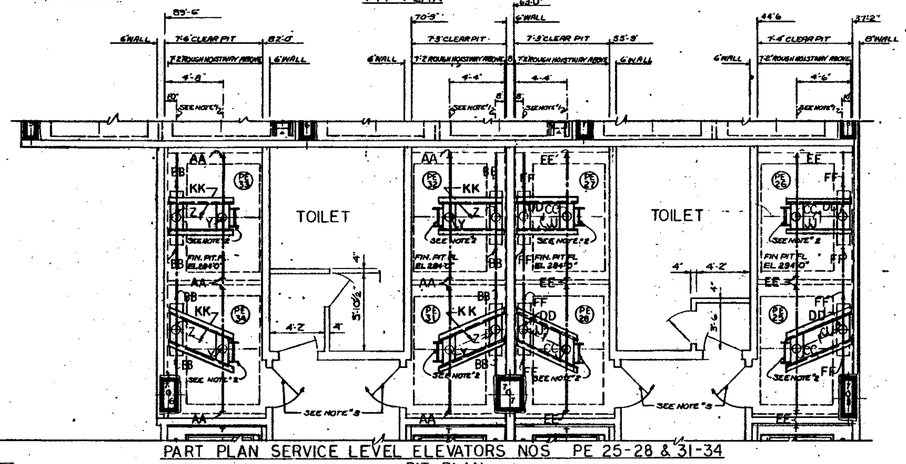
PART PLAN SUB LEVEL NO 3 ELEVATORS
NOS PE 16 & CE 17 PIT PLAN



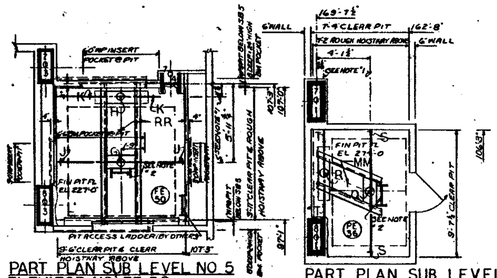
PART PLAN SUB LEVEL NO 1 ELEVATORS NOS PE 18-23
PIT PLAN



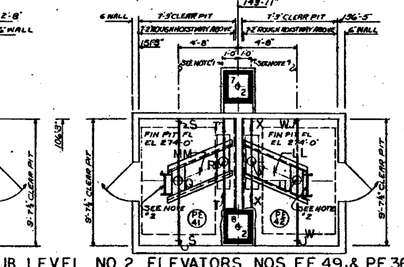
PART PLAN SERVICE LEVEL ELEVATORS NOS PE 37-40 & 43-46
PIT PLAN



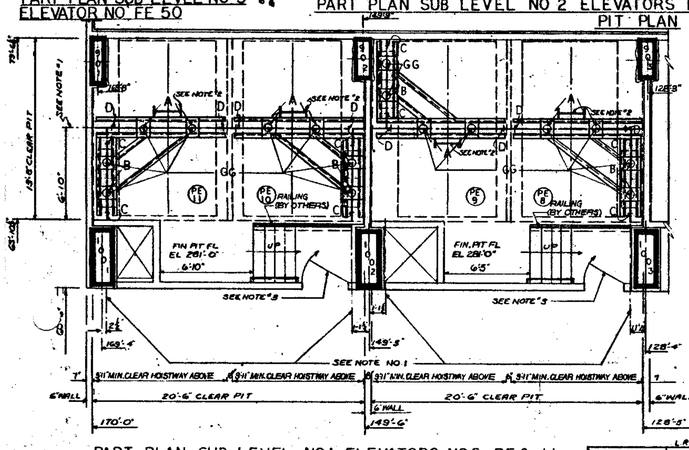
PART PLAN SERVICE LEVEL ELEVATORS NOS PE 25-28 & 31-34
PIT PLAN



PART PLAN SUB LEVEL NO 5
ELEVATOR NO. FE 50



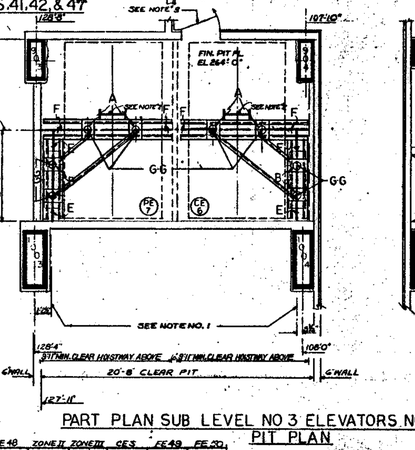
PART PLAN SUB LEVEL NO 2 ELEVATORS NOS FE 49 & PE 36, 41, 42, & 47
PIT PLAN



PART PLAN SUB LEVEL NO 1 ELEVATORS NOS PE 8-11
PIT PLAN

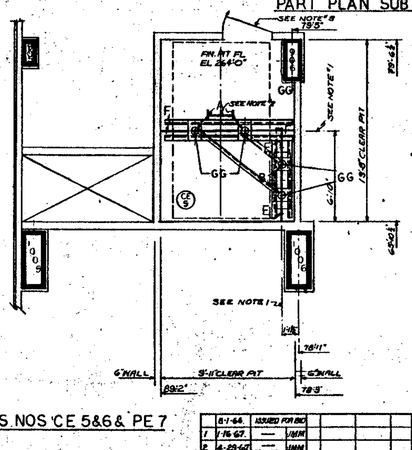
	PIT REACTIONS L.R.	H.R.	FE 48	ZONE II	ZONE III	CE 5	FE 49	FE 20
CAR BUFFER IMPACT	CC-50°	Y-52.0°	Q-54.0°	U-56.0°	G-31.0°	A-45.5°	L-45.6°	C-46.6°	TT-42.5°	G-80.6°
CAR RAIL IMPACT	CE-24.4°	AA-25.2°	S-25.0°	N-27.0°	J-32.1°	D-54.0°	N-63.0°	NN-43.5°	VV-38.0°	U-47.0°
COUNTERWEIGHT BUFFER IMPACT	DD-49.5°	Z-52.0°	R-54.3°	V-57.0°	H-33.0°	B-44.8°	M-66.8°	F-67.9°	UU-53.0°	H-80.0°
COUNTERWEIGHT RAIL IMPACT	FF-26.0°	BB-20.1°	P-21.7°	X-22.8°	K-28.8°	C-42.8°	P-50.8°	PP-50.8°	WW-30.4°	K-80.0°
UP-PULL	JJ-21.6°	KK-20.0°	MM-23.7°	LL-24.8°	RR-38.4°	GG-37.6°	NN-29.0°	SS-29.9°	XX-55.2°	RR-35.0°

CAR RAILS, CAR BUFFERS, CWT RAILS & CWT BUFFERS ACT INDEPENDENTLY OF EACH OTHER REGARDLESS OF WHETHER ELEVATORS ACT INDEPENDENTLY OF EACH OTHER, CAR OR CWT RAIL IMPACTS OCCUR SIMULTANEOUSLY WITH TO BOTH COMPENSATION UP-PULL

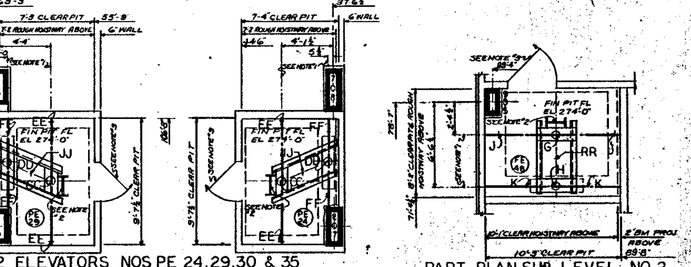


PART PLAN SUB LEVEL NO 3 ELEVATORS NOS CE 5&6 & PE 7
PIT PLAN

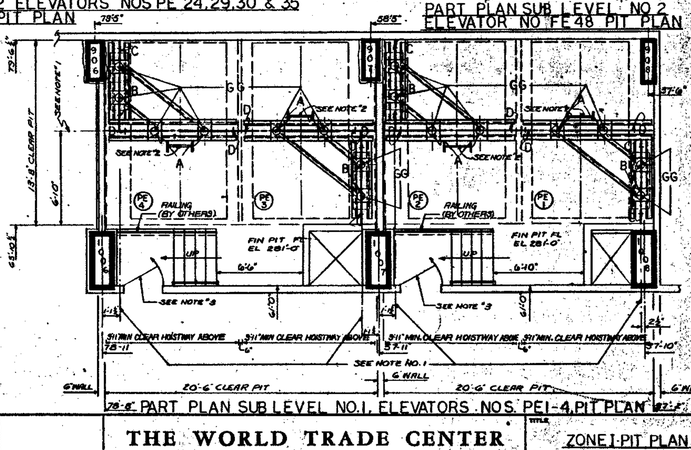
NOTES
1) SUPPORT BEAMS MIN 8" WIDE FLANGE BY OTHERS
2) BUFFER STEEL RUNS, LOCATIONS BY OWNERS LOCATED AS DIRECTED BY ELEVATOR MANUFACTURER
3) ALL PIT DOORS ARE TO BE 3'-0"x7'-0" (BY OTHERS)



PART PLAN SUB LEVEL NO 2 ELEVATORS NOS PE 24, 29, 30 & 35
PIT PLAN



PART PLAN SUB LEVEL NO 2
ELEVATOR NO. FE 48 PIT PLAN



PART PLAN SUB LEVEL NO.1, ELEVATORS NOS. PE1-4, PIT PLAN

NO.	DATE	SUB. NO.	BY
0	8-1-66	ISSUED FOR BID	
1	1-15-67	—	JMM
2	4-25-67	—	JMM

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

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MINORU YAMASAKI, ARCHITECT

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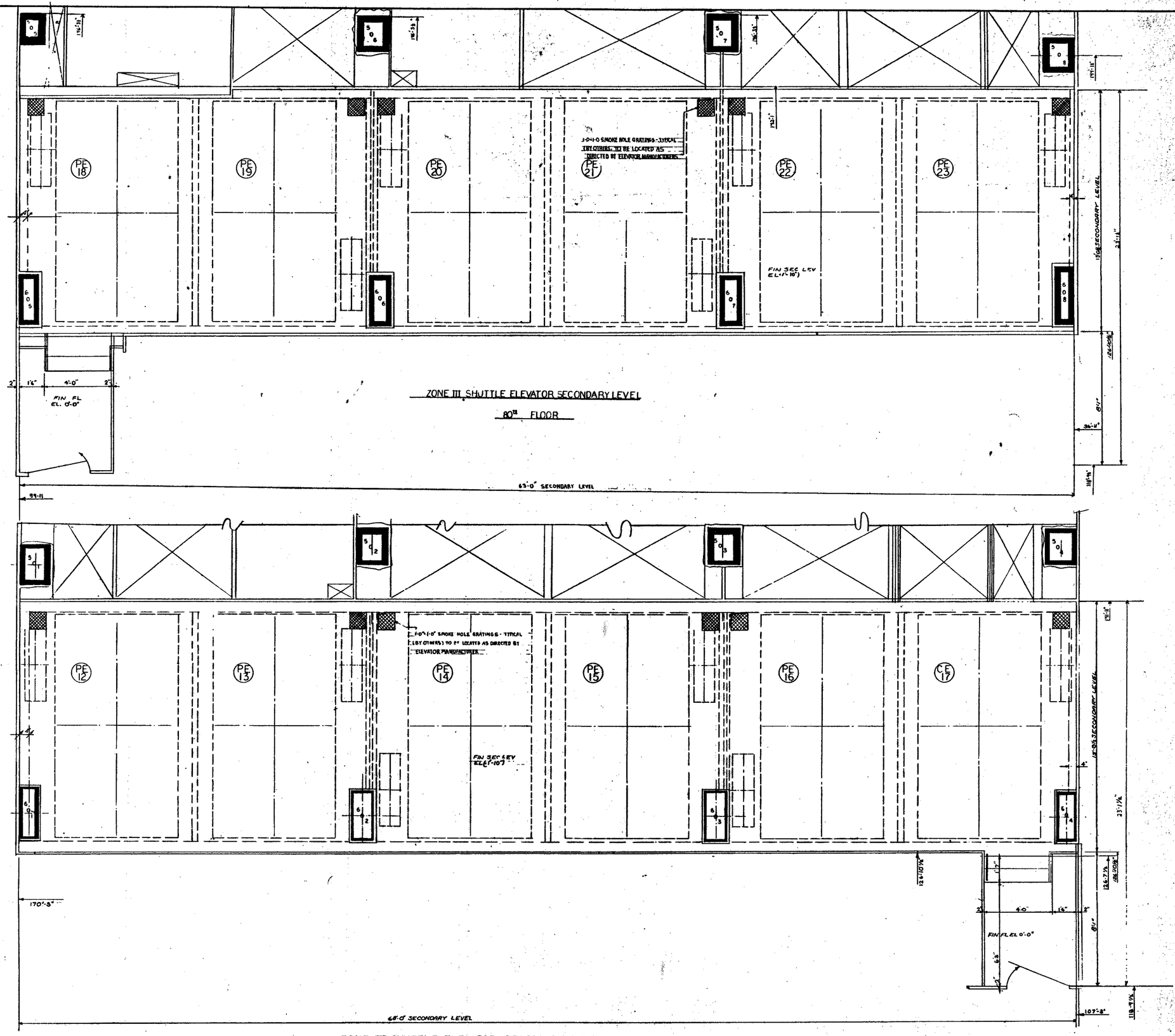
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE I-PIT PLAN
BANKS A B C & D, SHUTTLE
& FREIGHT ELEVATORS

DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	1/4"=1'-0"	DATE	7-15-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-2		



ZONE III SHUTTLE ELEVATOR SECONDARY LEVEL
80TH FLOOR

NO.	DATE	REVISIONS	BY
	8-1-66	ISSUED FOR BID	
1	3-22-67		JNM
2	5-8-67		JNM
3	5-22-67		RSC

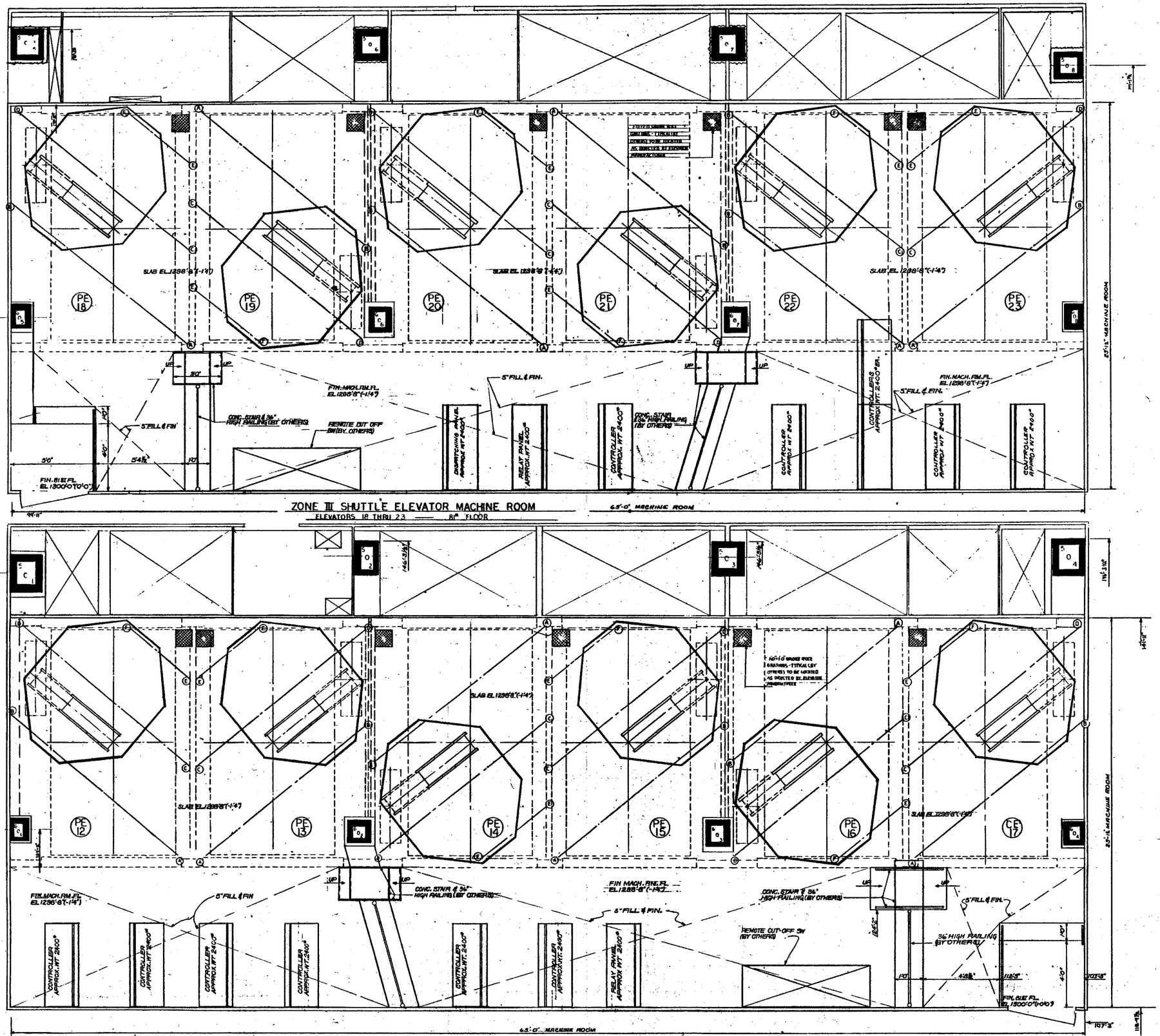
APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE III SHUTTLE ELEVATOR SECONDARY LEVEL

DRAWN	RSC	CHECKED	CLK
SCALE	1/4"=1'-0"	DATE	7-15-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-20		



NO.	DATE	ISSUED FOR BID	BY
	8-1-66	ISSUED FOR BID	
1	5-22-67	—	JMM
2	5-8-67	—	JMM
3	5-22-67	—	RSC

REVISIONS

NO.	DATE	SUB. NO.	BY

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

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THE PORT OF NEW YORK AUTHORITY

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MINORU YAMASAKI, ARCHITECT

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ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

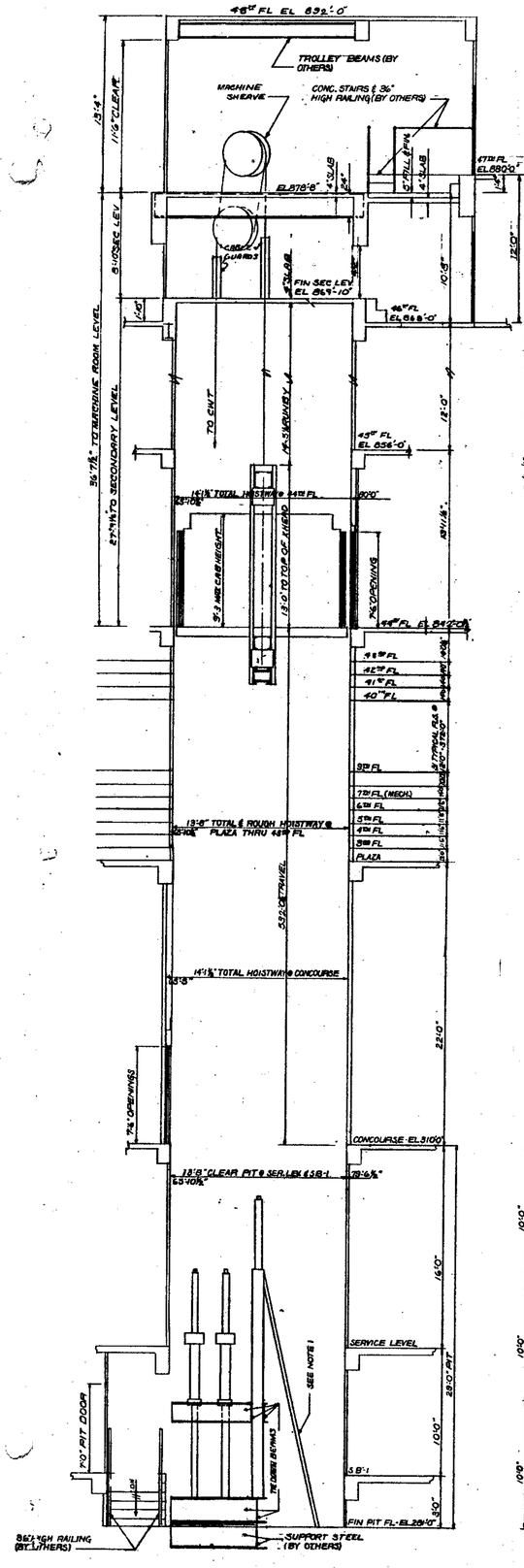
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

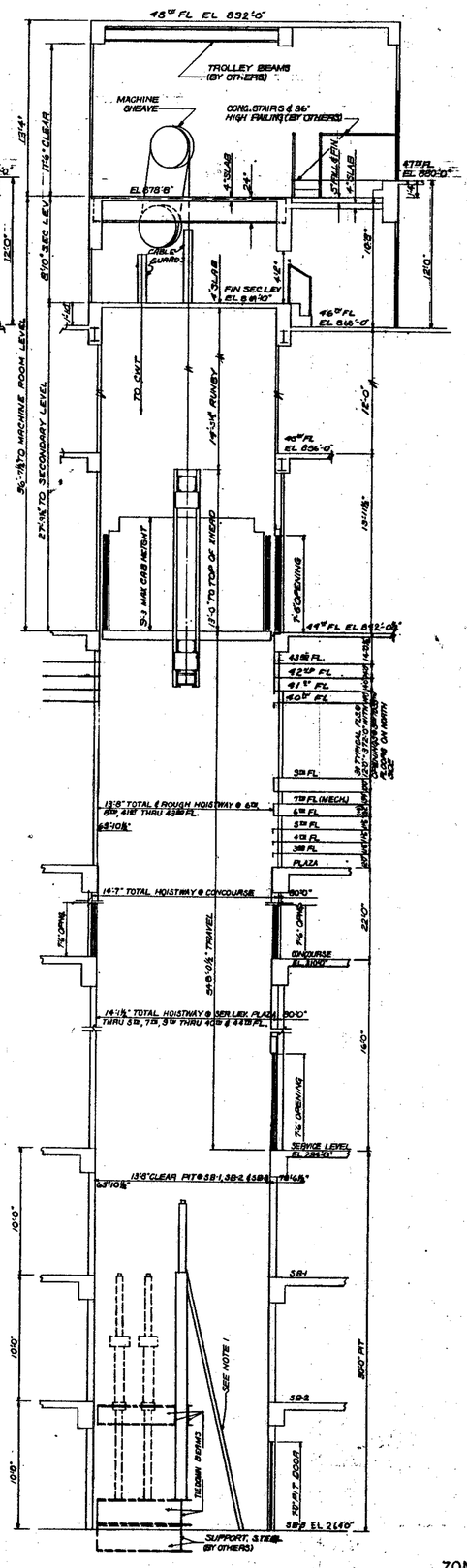
TITLE: ZONE III SHUTTLE ELEVATORS MACHINE ROOM

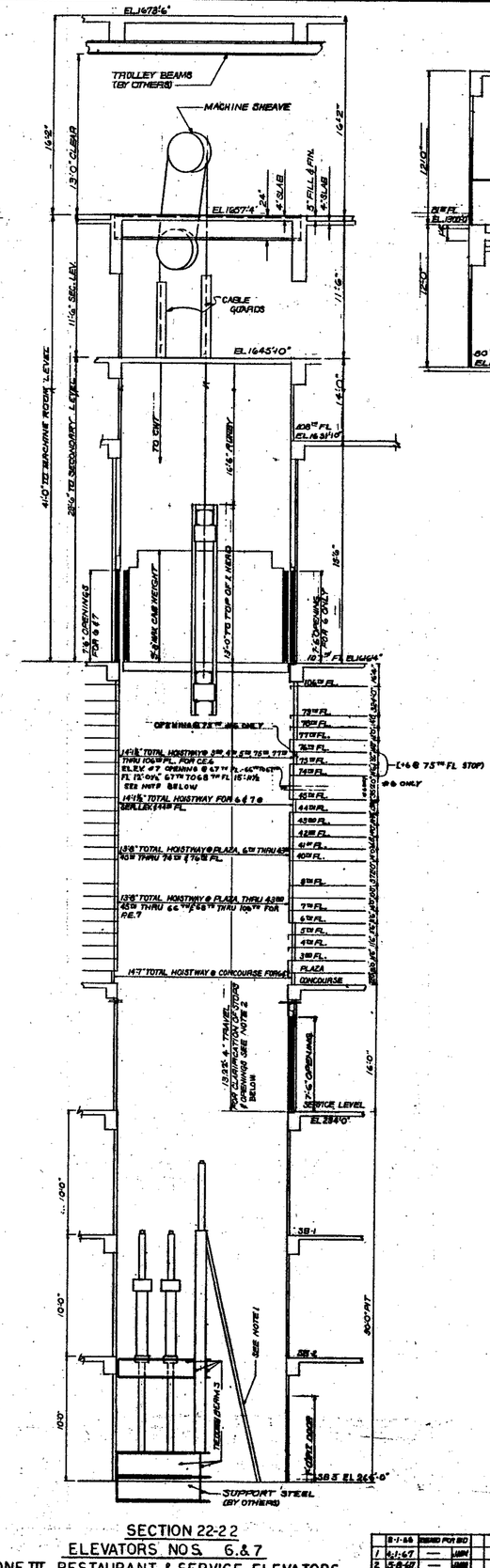
DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	1/4"=1'-0"	DATE	7-12-66
PROJECT		SHEET	OF

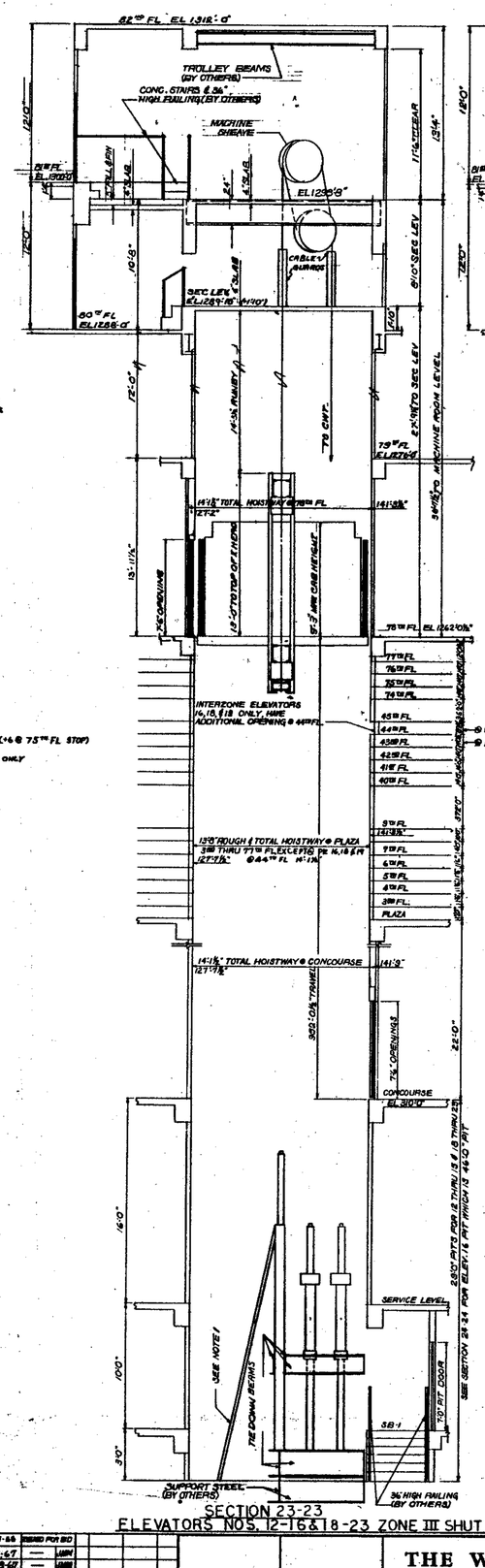
CONTRACT NO.

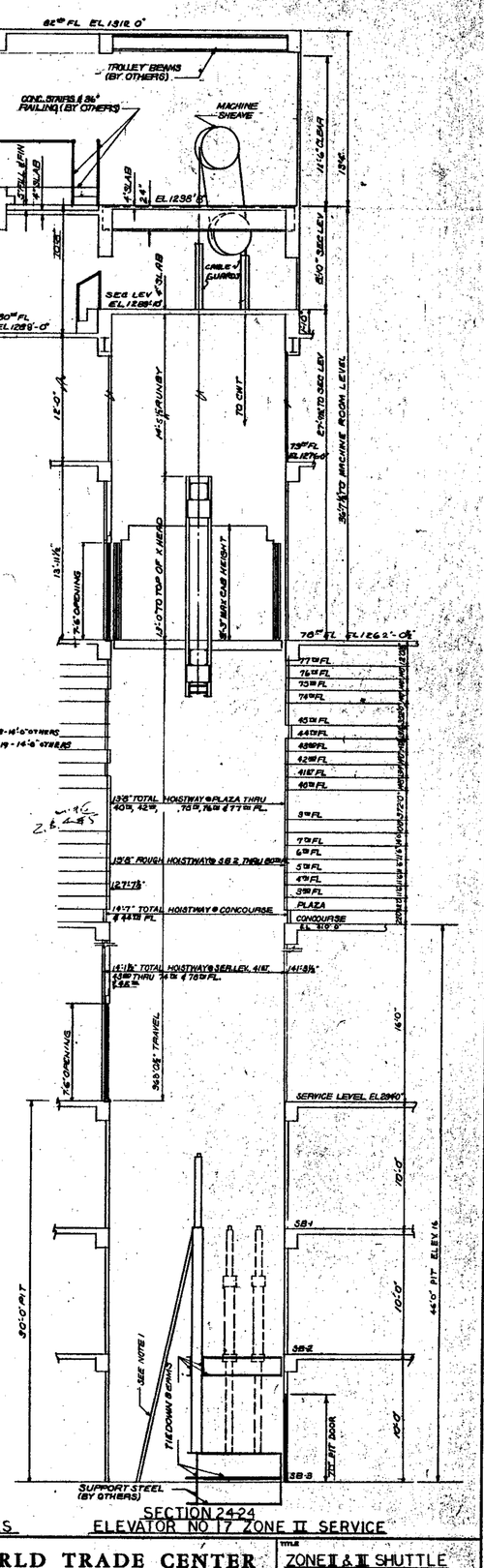
L-A-21











NOTES
1. BUMPER STEEL, RUNS, LADDERS (BY OTHERS) TO BE LOCATED AS DIRECTED BY ELEVATOR CONTRACTOR
2. FOR SCHEDULE OF OPENINGS SEE DWG NO L-A-22
3. BUMPER BLOCKING BY ELEV. CONT.

NO.	DATE	REVISED FOR BID	BY
1	4-1-67	—	MBM
2	5-8-67	—	MBM

REVISIONS

APPROVED
OWNER, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

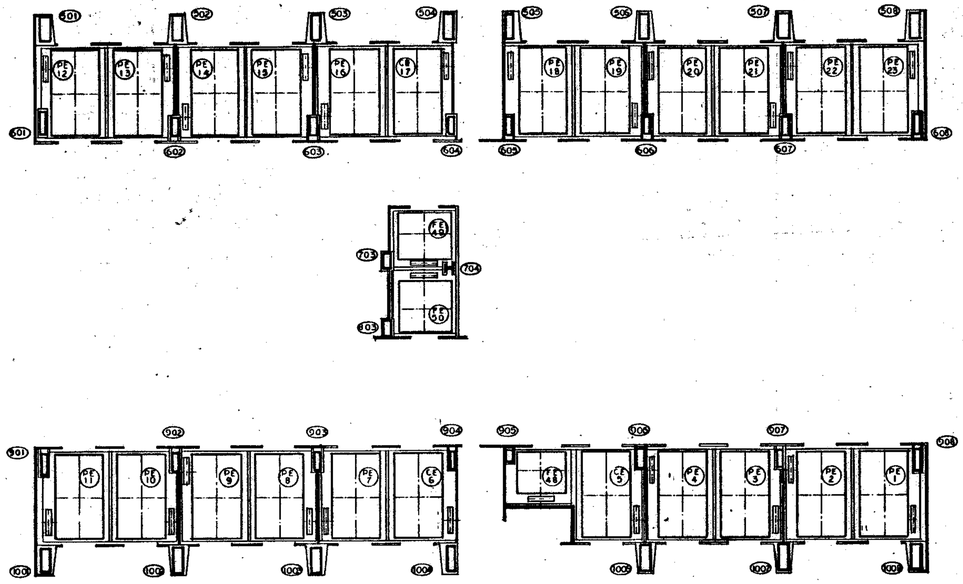
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE I & II SHUTTLE ELEVATORS-ELEVATIONS

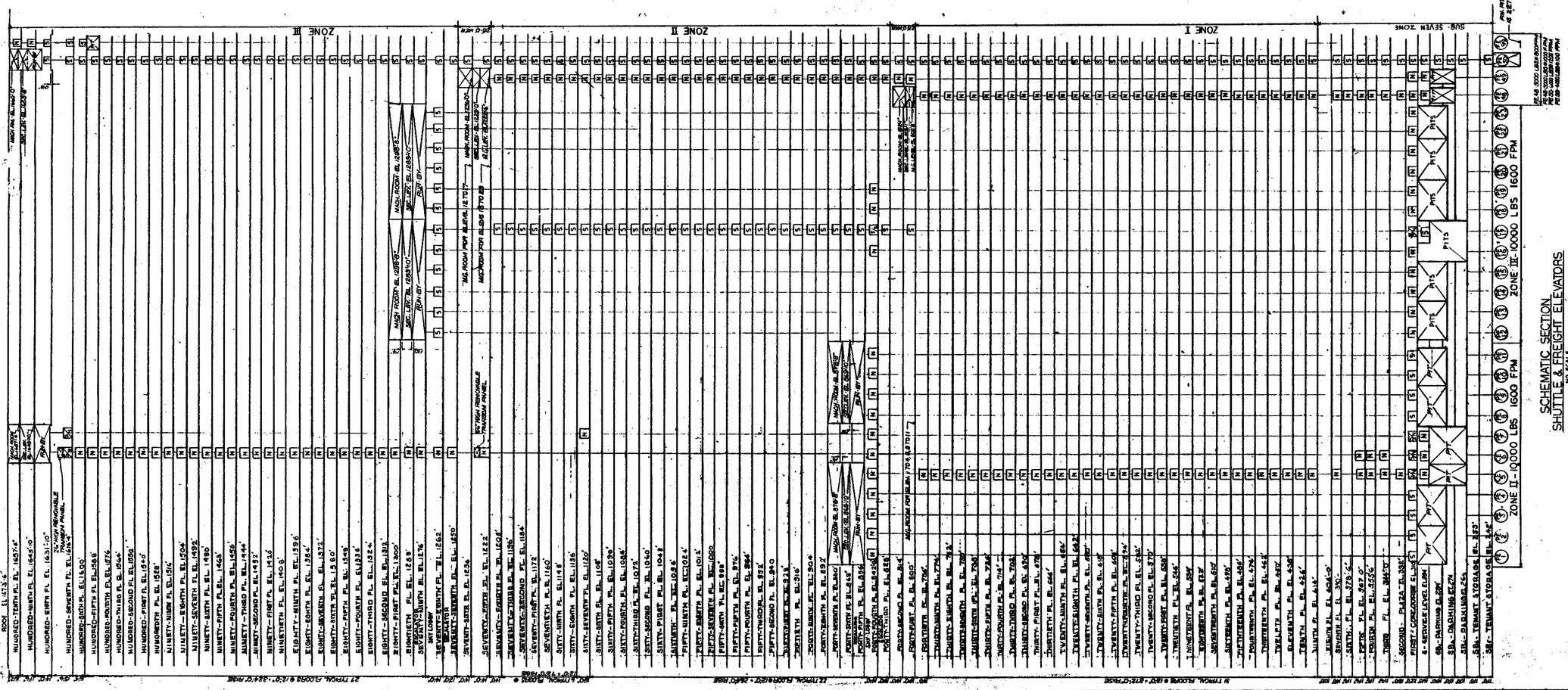
DRAWN: R&C | CHECKED: CLK
SCALE: 1/4"=1'-0" | DATE: 7-15-66
PROJECT MANAGER | DESIGNED
DRAWING NO. L-A-22



NORTH
TOWER A

Elev 17 to open @ 2,5,4&5
" 49 " @ 23 45'

PLOT PLAN SHUTTLE AND FREIGHT ELEVATORS



SCHEMATIC SECTION
SHUTTLE & FREIGHT ELEVATORS
NO SCALE

NO.	DATE	ISSUED FOR BID	BY
1	9-21-67	—	MM
2	12-12-67	—	MM

REVISIONS

APPROVED
Comm. of Planning Services
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

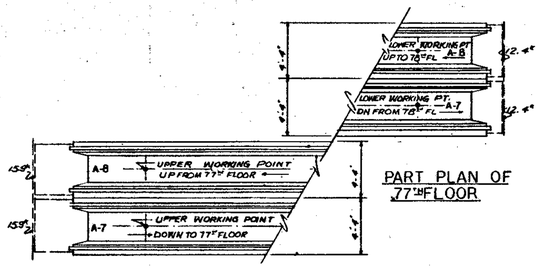
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

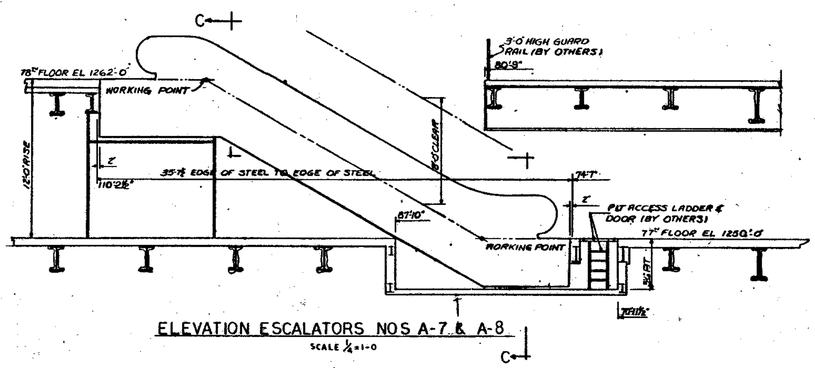
TITLE: SHUTTLE & FREIGHT ELEVATORS - RISER & PLOT PLAN

DRAWN: R.S.C. | CHECKED: C.L.S.
SCALE: NO SCALE | DATE: 4-1-66
PROJECT NUMBER: | SHEET:
DRAWING NUMBER: L-A-23

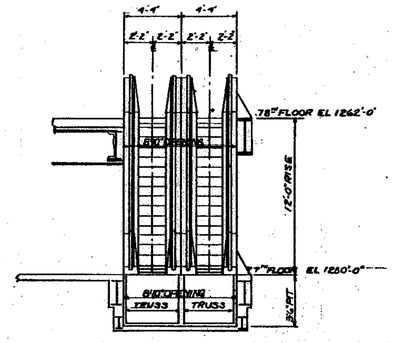


PART PLAN OF 77TH FLOOR

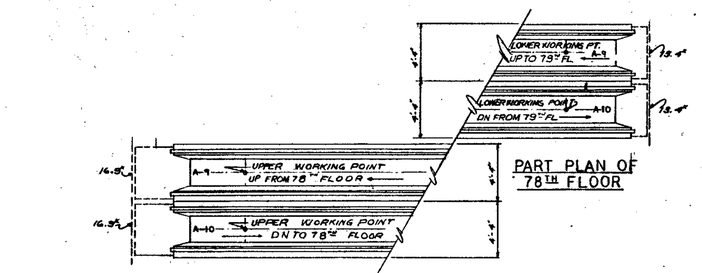
PART PLAN OF 78TH FLOOR



ELEVATION ESCALATORS NOS A-7 & A-8
SCALE ¼"=1'-0

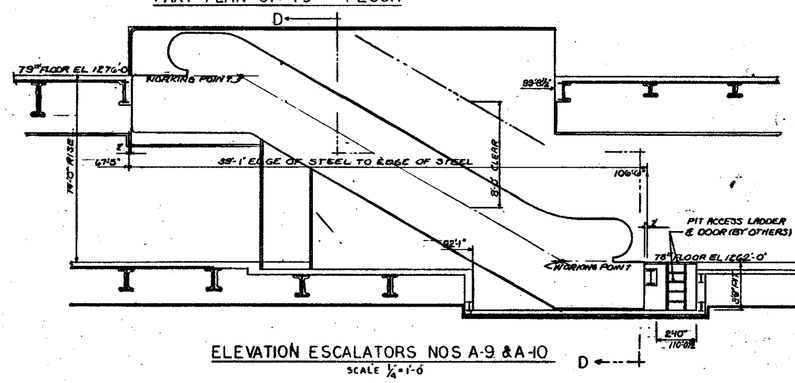


SECTION C-C

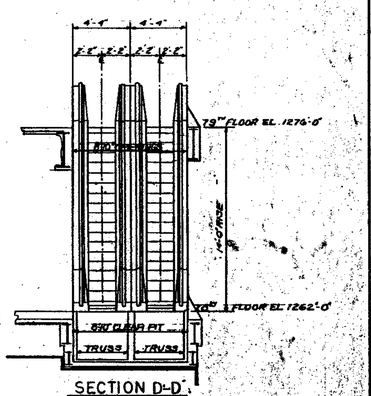


PART PLAN OF 78TH FLOOR

PART PLAN OF 79TH FLOOR

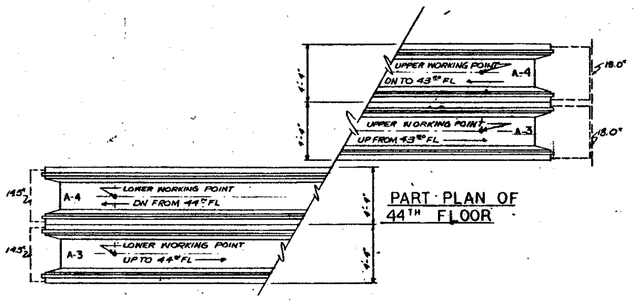


ELEVATION ESCALATORS NOS A-9 & A-10
SCALE ¼"=1'-0



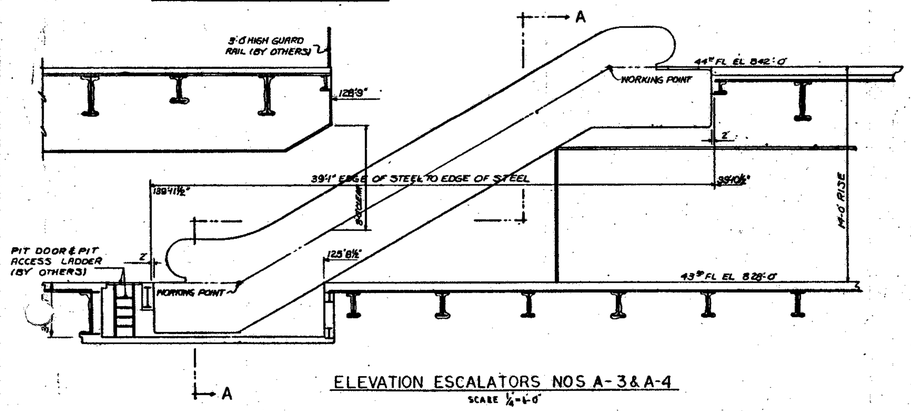
SECTION D-D

NOTE TO STRUCTURAL ENGINEER!
LOADS ARE UNIFORMALY DISTRIBUTED & A FURTHER APPROPRIATE ALLOWANCE SHOULD BE MADE FOR DYNAMIC STRESSES DUE TO MOVING LOADS WHICH ARE APPROXIMATLY 35% TOTAL LOAD GIVEN

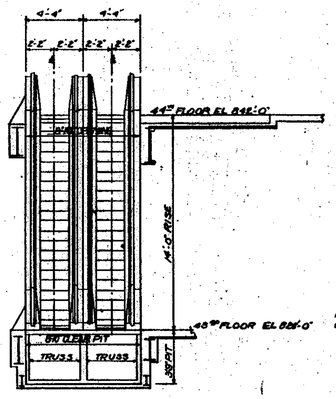


PART PLAN OF 44TH FLOOR

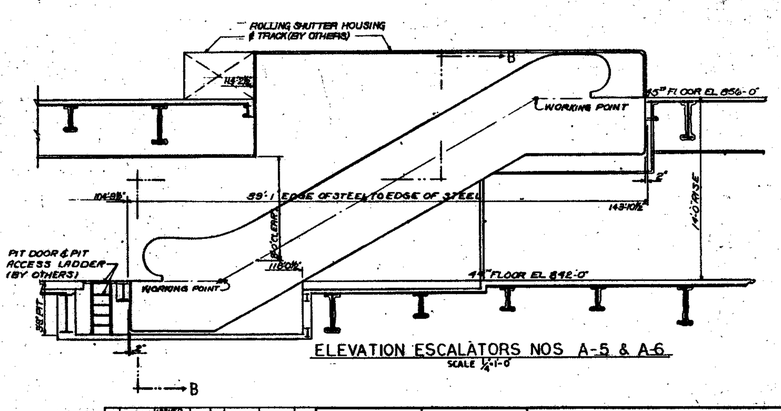
PART PLAN OF 43RD FLOOR



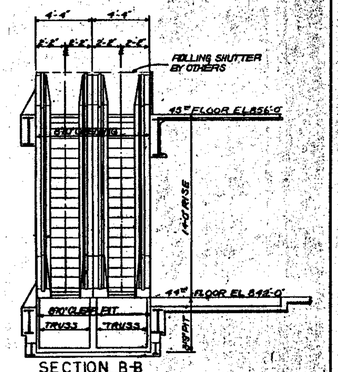
ELEVATION ESCALATORS NOS A-3 & A-4
SCALE ½"=1'-0"



SECTION A-A



ELEVATION ESCALATORS NOS A-5 & A-6
SCALE ¼"=1'-0



SECTION B-B

8-15-66	33-10 Rev Bldg		
1 12-2-67	—	3 MIN.	
2 12-10-67	—	WIDE	

NO. DATE SUB. NO. BY — REVISIONS

NO. DATE SUB. NO. BY — REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

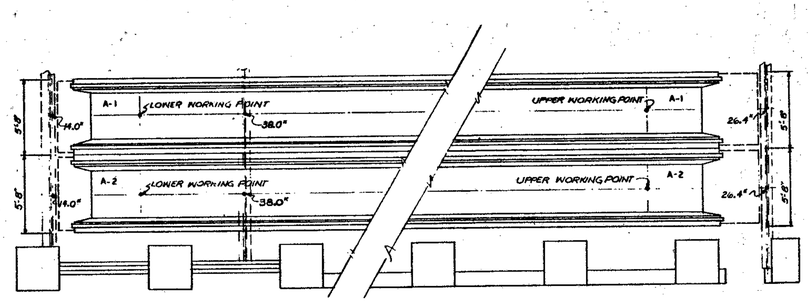
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE
TOWER ESCALATORS NOS. 3 THRU 10-DETAILS

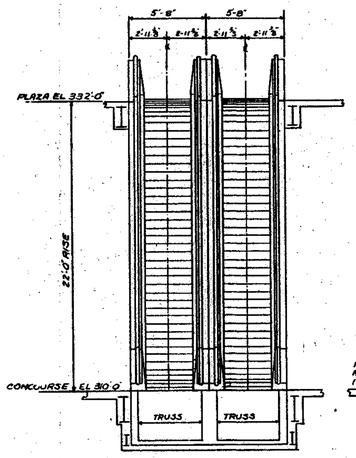
DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	¼"=1'-0"	DATE	8-1-66
PROJECT APPROVED		SURVEY NO.	
DIRECTOR ENGINEER		DRAWING NO.	L-A-24

NOTE TO STRUCTURAL ENGINEER
1. LOADS ARE UNIFORMLY DISTRIBUTED & A FURTHER APPROPRIATE ALLOWANCE SHOULD BE MADE FOR DYNAMIC STRESSES DUE TO MOVING LOADS WHICH ARE APPROXIMATELY 33% TOTAL LOAD GIVEN
2. TOP OF SUPPORT BEAMS TO BE LOCATED A MIN. OF 4½" BELOW FIN. FLOOR.

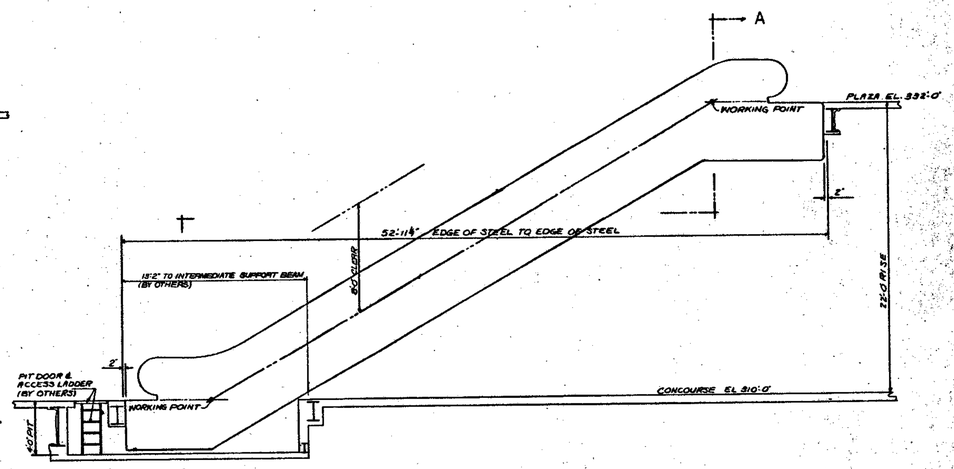


PART PLAN CONCOURSE LEVEL

PART PLAN PLAZA LEVEL



SECTION A-A



ELEVATION ESCALATORS NOS A-1 & A-2
SCALE ⅛"=1'-0"

NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
	8-15-66	ISSUED FOR BID.					
1	9-22-66	—	UM				
2	4-5-67	—	JMM				
3	5-13-67	—	JMM				
4	9-28-67	—	R.S.C.				

REVISIONS | REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

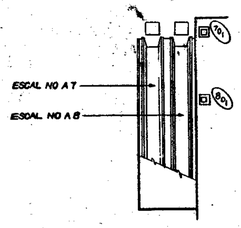
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

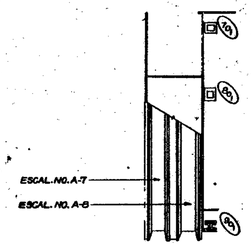
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: TOWER ESCALATORS NOS A-1 & A-2

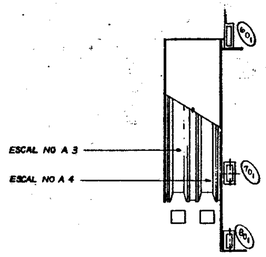
DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	¼"=1'-0"	DATE	8-1-66
PROJECT NUMBER		SHEET	60
DRAWING NUMBER	L-A-25		



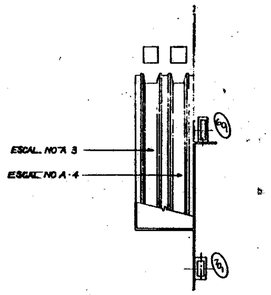
PART PLAN-78TH FL



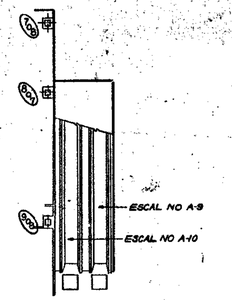
PART PLAN 77TH FL



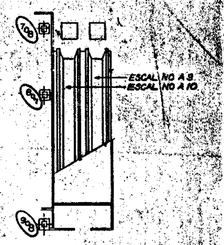
PART PLAN 44TH FL



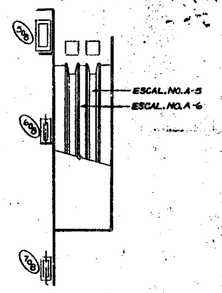
PART PLAN 43RD FL



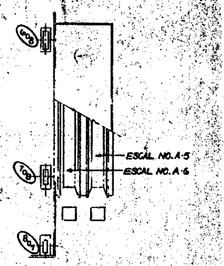
PART PLAN 79TH FL



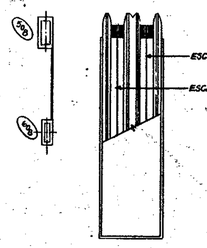
PART PLAN 78TH FL



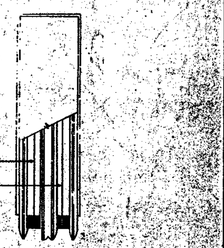
PART PLAN-45TH FL



PART PLAN-44TH FL



PART PLAN PLAZA



PART PLAN PLAZA

REVISIONS							
NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
1	5-18-67	—	JMM				

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

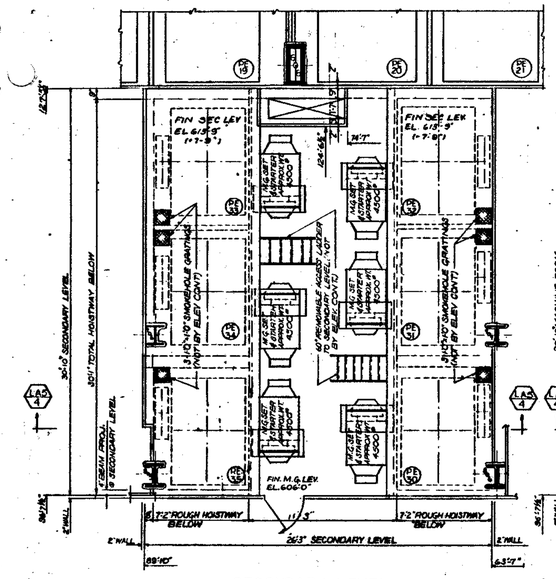
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

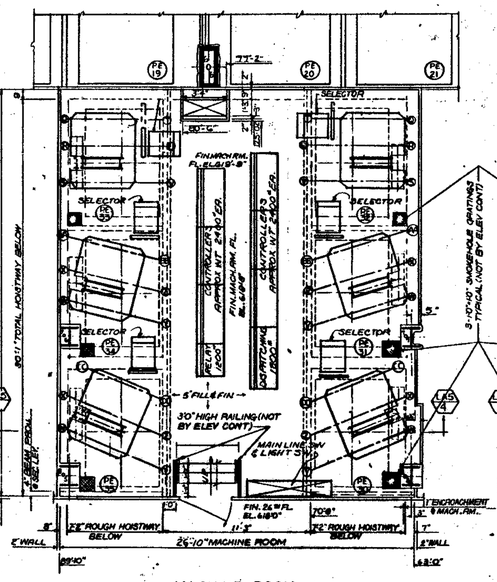
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: TOWER ESCALATOR PLOT PLAN

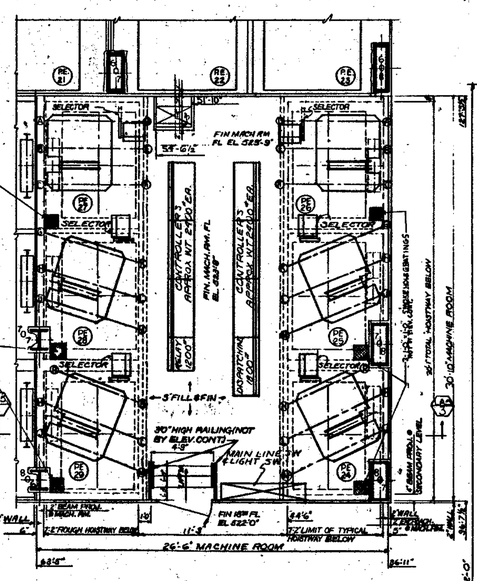
DRAWN	V.M.R	CHECKED	C.L.K
SCALE	1/8"=1'-0"	DATE	4-7-67
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-26		



SECONDARY LEVEL
BANK 'B'
25TH FLOOR



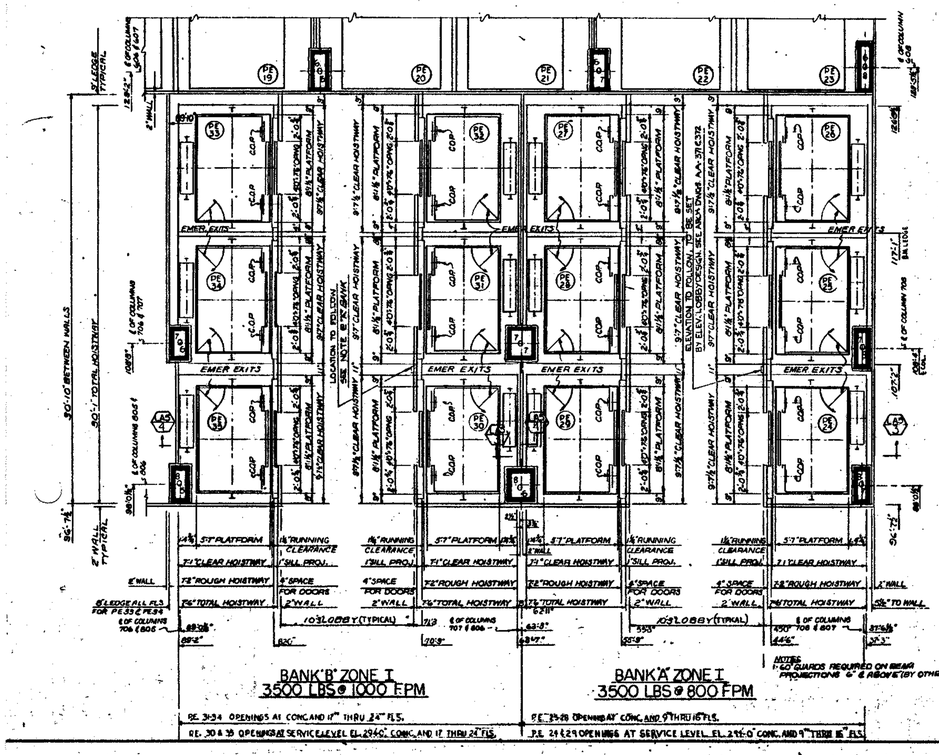
MACHINE ROOM
BANK 'B'
26TH FLOOR

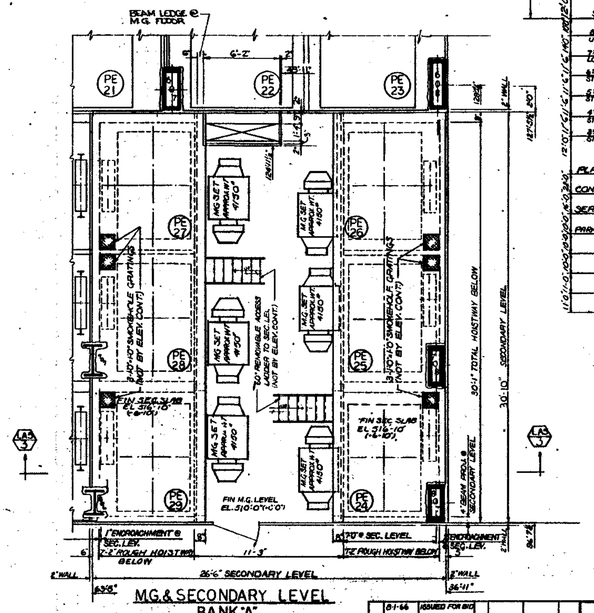


MACHINE ROOM
BANK 'A'
18TH FLOOR

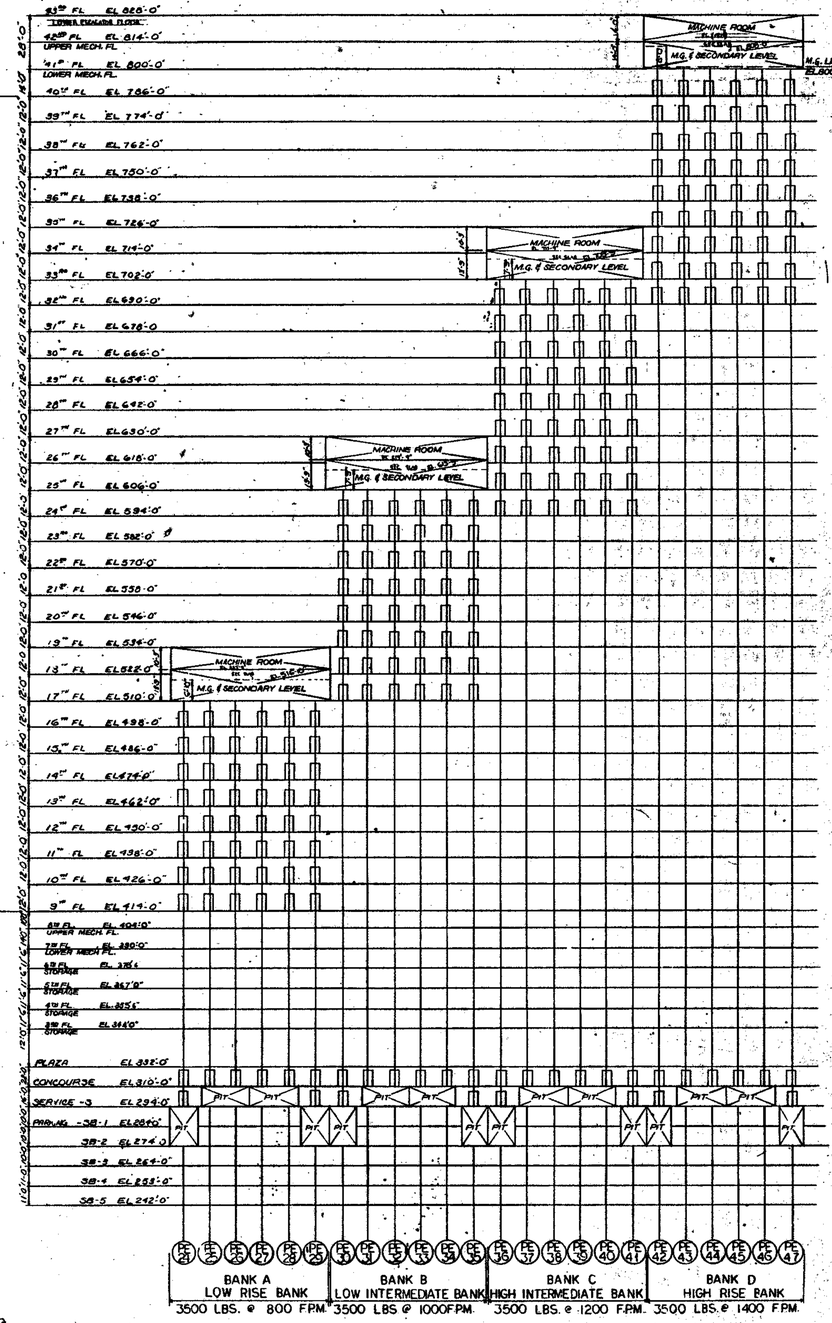
REACTIONS								
A	16.0K	H	5.6K	Q	16.3K	X	4.6K
B	4.9K	J	28.6K	R	4.9K	Y	15.0K
C	25.7K	K	14.5K	S	26.0K	Z	8.2K
D	9.8K	L	4.4K	T	9.9K	AA	14.0K
E	3.1K	M	13.0K	U	3.1K	BB	12.2K
F	15.8K	N	14.5K	V	16.0K	CC	14.0K
G	11.6K	P	11.4K	W	27.0K	DD	12.2K

NOTE ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT.





M.G. & SECONDARY LEVEL
BANK 'A'
17TH FLOOR



SCHEMATIC SECTION
TOWER 'A' RISER DIAGRAM
ZONE I-LOCAL ELEVATORS
NO SCALE

NOTE:
ELEVATION GIVEN ARE T.I.P. @ FLOOR
ELEVATOR STOP (FOYER) ABOVE FLOOR
SEE SECTIONS ON DWG L-A5

NO.	DATE	SUB. NO.	BY
0	8-1-66	ISSUED FOR BID	
1	1-16-67	—	HMH
2	5-1-67	—	HMH

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

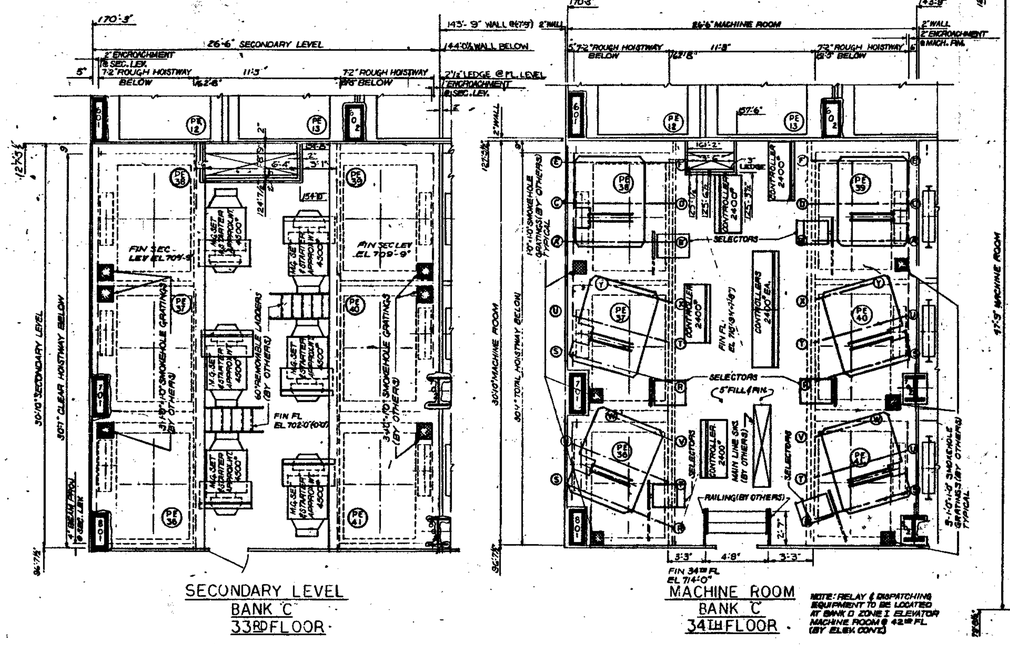
TITLE
ZONE I - RISER
BANKS 'A' & 'B' - SECONDARY & MACHINE ROOM PLANS

DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	1/4"=1'-0"	DATE	7-15-66
PROJECT NUMBER		SHEET NUMBER	OF
DRAWING NUMBER	L-A-3		

REACTIONS

A	42.2ᵏ	H	16.4ᵏ	R	18.0ᵏ	Y	13.8ᵏ
B	16.3ᵏ	J	37.8ᵏ	S	39.0ᵏ	A'	36.5ᵏ
C	4.7ᵏ	K	23.1ᵏ	T	5.3ᵏ	B'	20.5ᵏ
D	5.3ᵏ	L	5.1ᵏ	U	4.7ᵏ	C'	5.1ᵏ
E	15.3ᵏ	M	2.9ᵏ	V	17.0ᵏ	D'	2.9ᵏ
F	16.4ᵏ	N	20.3ᵏ	W	13.6ᵏ	E'	18.8ᵏ
G	18.3ᵏ	P	11.4ᵏ	X	17.0ᵏ	F'	11.0ᵏ

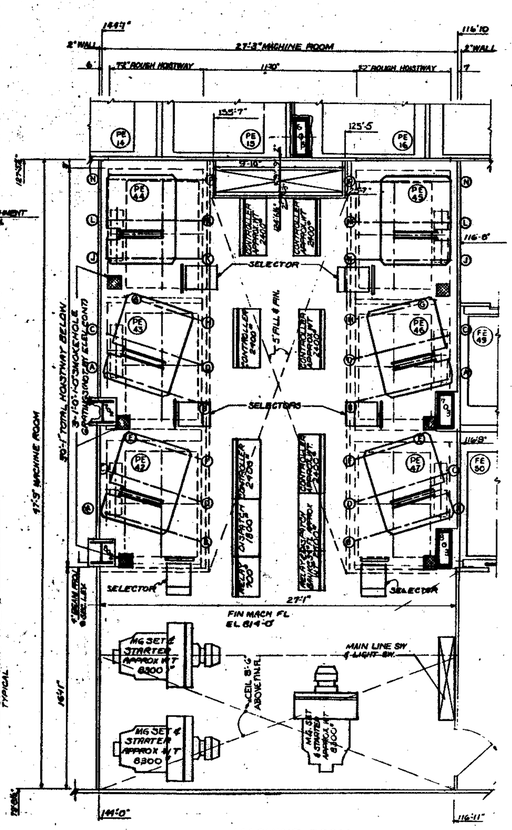
NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT.



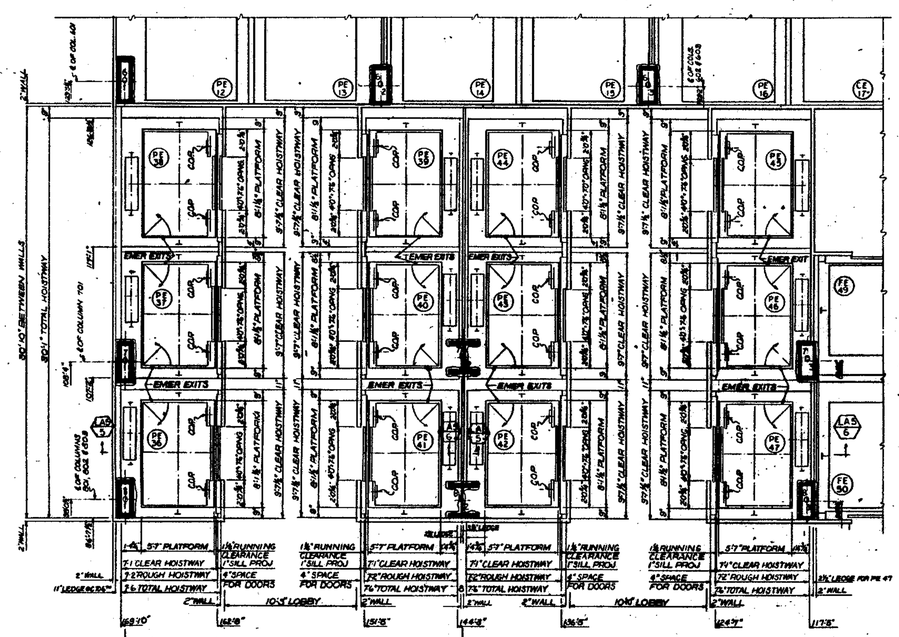
SECONDARY LEVEL
BANK 'C'
33RD FLOOR

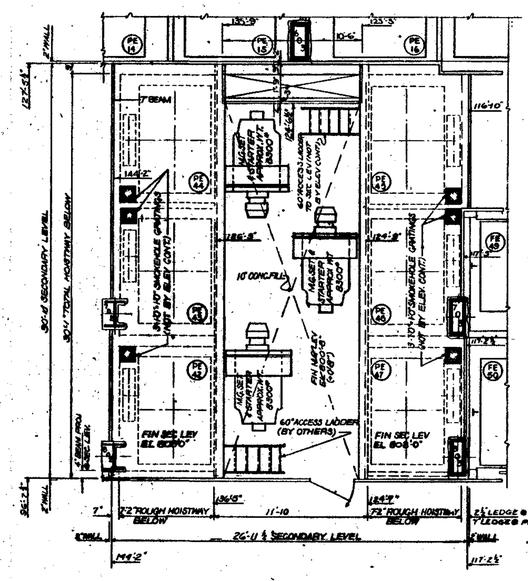
MACHINE ROOM
BANK 'C'
34TH FLOOR

NOTE: RELAY & DISPATCHING EQUIPMENT TO BE LOCATED AT BANK D ZONE I ELEVATOR MACHINE ROOM @ 42ND FL. (BY ELEV. CONT.)



MACHINE ROOM
BANK D
42ND FL. – MECH





SECONDARY LEVEL
BANK 'D'
41ST FLOOR LOWER LEVEL

NO.	DATE	REVISED FOR BID	BY
1	1-16-67	—	LJDC
2	5-1-67	—	MMC
3	5-22-67	—	RSC

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & MCKENZIE
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

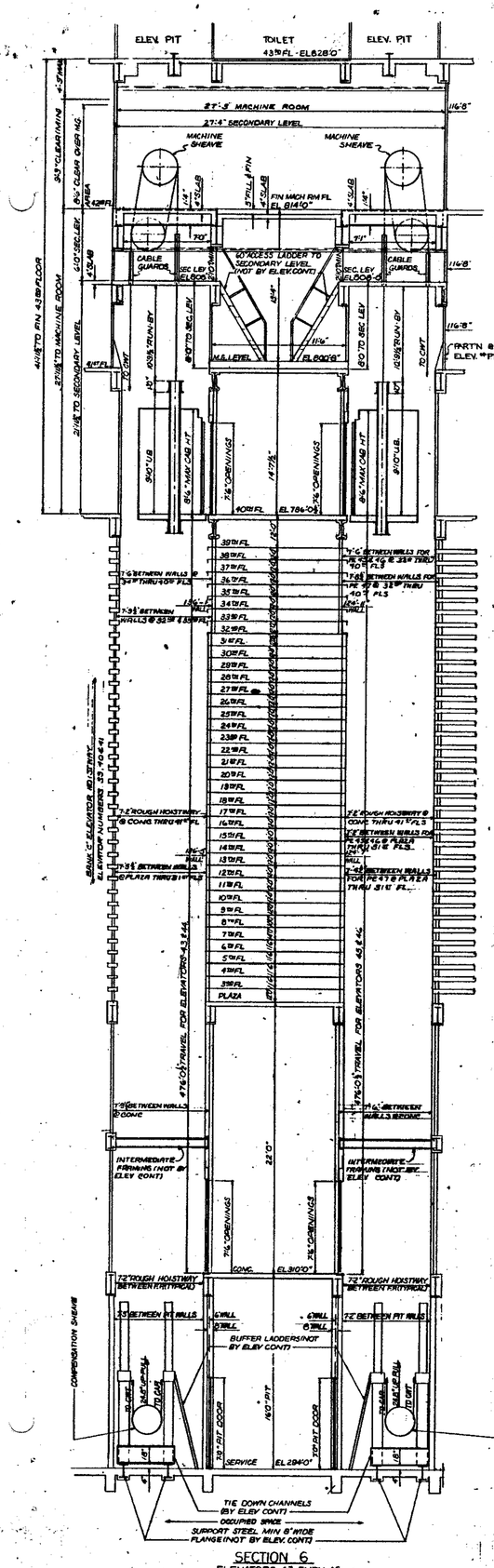
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, STRUCTURES, FOUNDATIONS

TITLE: ZONE 1
BANKS 'C' & 'D' SECONDARY & MACHINE ROOM PLANS

DRAWN	R.S.C.	CHECKED	C.A.P.C.
SCALE	1/4"=1'-0"	DATE	7-1-1966
PROJECT		SHEET	OF

L-A-4



SECTION 6
ELEVATORS 43 THRU 46
ZONE 1 - BANK 'D'

SECTION 5
ELEVATORS 37 THRU 40
ZONE 1 - BANK 'C'

SECTION 4
ELEVATORS 31 THRU 34
ZONE 1 - BANK 'B'

SECTION 3
ELEVATORS 25 THRU 28
ZONE 1 - BANK 'A'

COMPOSITE ELEVATION
ELEVATORS PE 24, 29, 30, 35, 36, 41, 42 & 47

NO.	DATE	REVISED FOR BID	BY
1	1-16-67	—	J.E.M.
2	5-1-67	—	J.M.M.

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

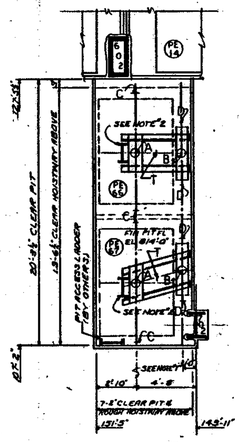
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

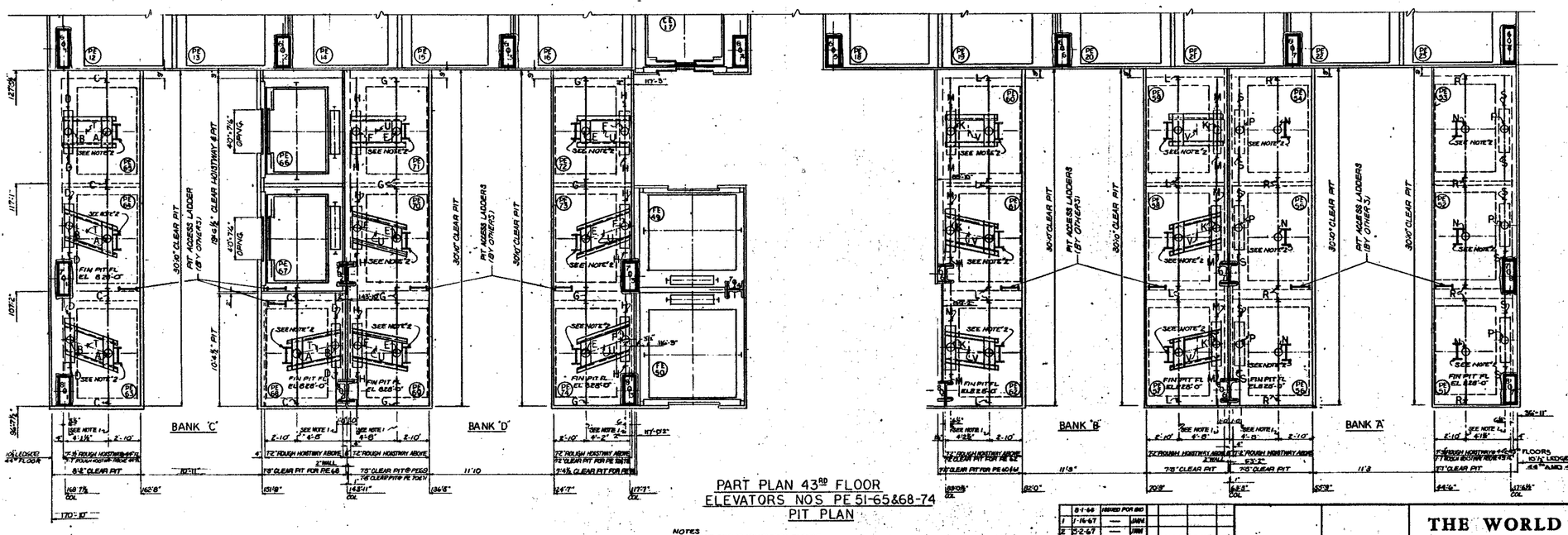
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE 1 ELEVATIONS BANK A, B, C & D

DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	1/4"-1'-0"	DATE	7-15-66
PROJECT ENGINEER		SHEET	OF
DRAWING NUMBER	L-A-5		



PART PLAN 42ND FLOOR
ELEVATORS NOS PE 66 & 67
PIT PLAN



PART PLAN 43RD FLOOR
ELEVATORS NOS PE 51-65&68-74
PIT PLAN

PIT REACTIONS

CAR BUFFER IMPACT	A-46.8*	E-48.4*	J-48.7*	N-48.3*
CWT BUFFER IMPACT	B-51.8*	F-52.1*	K-51.4*	P-51.0*
CAR RAIL IMPACT	C-27.0*	G-27.6*	L-26.7*	R-26.3*
CWT RAIL IMPACT	D-23.7*	H-23.9*	M-23.3*	S-23.0*
UP-PULL	T-21.2*	U-22.0	V-20.0*	

1-CAR RAILS, CAR BUFFERS, COUNTERWEIGHT RAILS, & COUNTERWEIGHT BUFFERS ACT INDEPENDENTLY OF EACH OTHER. ADJACENT ELEVATORS ACT INDEPENDENTLY OF EACH OTHER.
2-CAR OR COUNTERWEIGHT RAIL IMPACTS OCCUR SIMULTANEOUSLY WITH TIE DOWN COMPENSATION UP-PULL.

NOTES
1) SUPPORT BEAMS MIN 8" WIDE FLANGE (BY OTHERS)
2) BUFFER STEEL RUNS (ADDERS (BY OTHERS LOCATED AS DIRECTED BY ELEVATOR MANUFACTURER)

NO.	DATE	REVISIONS	BY
	8-1-66	ISSUED FOR BID	
1	1-16-67	—	JMH
2	5-2-67	—	JMH
3	5-22-67	—	TSC

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

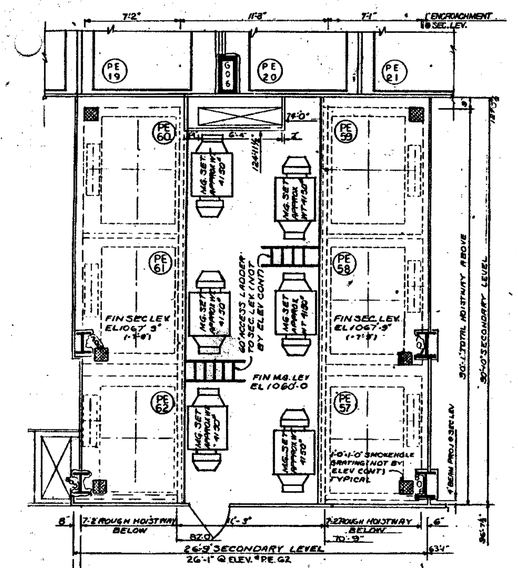
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

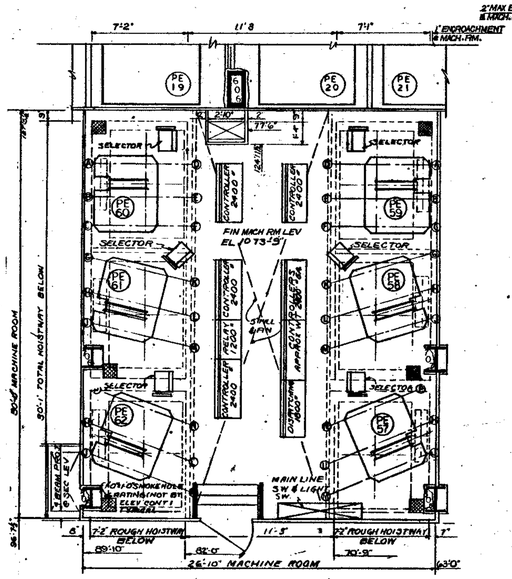
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE II - PIT PLAN
BANKS A, B, C & D

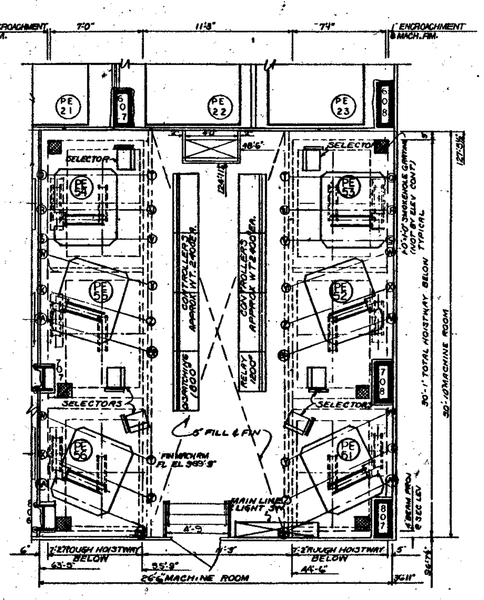
DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	1/8"-1'-0"	DATE	7-15-66
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	L-A-6		



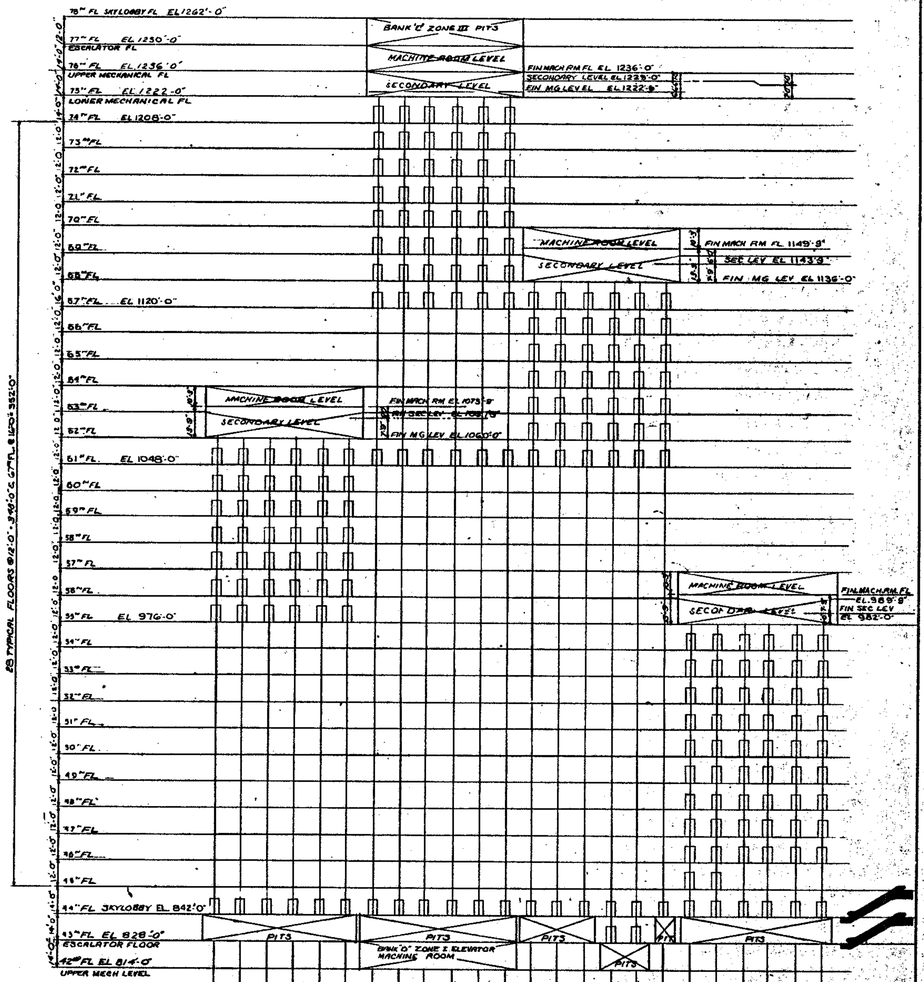
MG & SECONDARY LEVEL
BANK 'B'
62ND FLOOR



MACHINE ROOM
BANK 'B'
63ND FLOOR



MACHINE ROOM
BANK 'A'
56TH FLOOR



KEY TO SYMBOLS

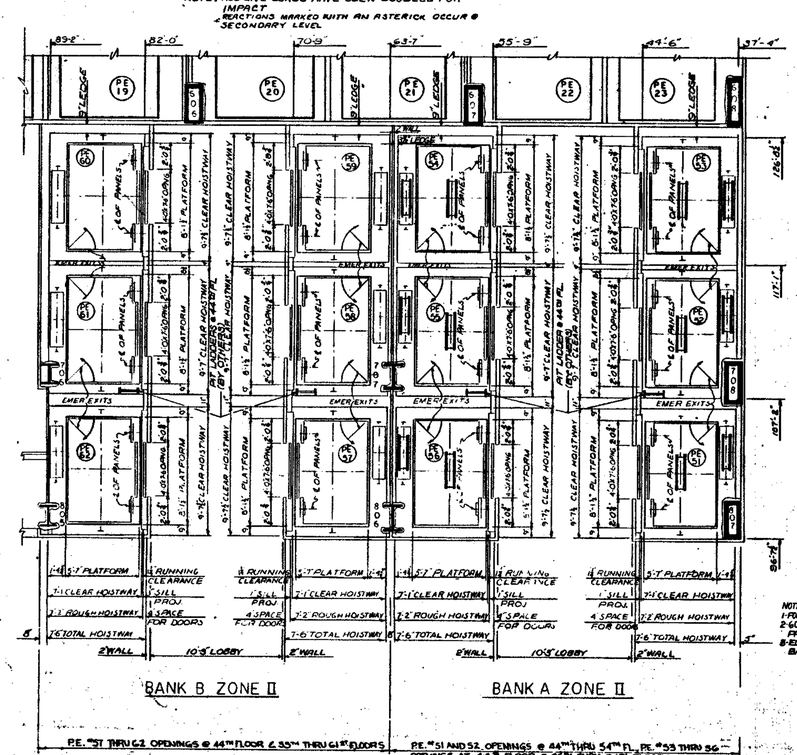
- 40"+76" OPENINGS
- TWO (2) 32" ESCALATORS

SCHEMATIC SECTION
TOWER 'A' RISER DIAGRAM
ZONE II LOCAL ELEVATOR
NO SCALE

NOTE ELEVATIONS GIVEN ARE TIP AT FLOOR
ELEV. STOP (CONTACT) ABOVE FLOOR

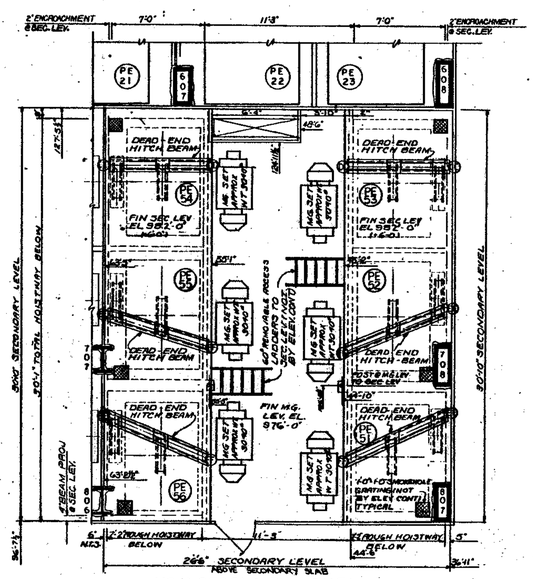
REACTIONS									
A	24.0"	G	11.8"	N	12.3"	U	3.4"	AA	19.8"
B	4.9"	H	4.5"	P	11.8"	V	8.6"	BB	7.2"
C	14.6"	J	27.0"	Q	8.2"	W	4.9"	CC	19.4"
D	16.3"	K	12.3"	R	3.8"	X	3.2"	DD	10.4"
E	3.1"	L	3.3"	S	19.4"	Y	8.1"	EE	16.3"
F	9.0"	M	15.9"	T	5.8"	Z	2.8"	FF	10.9"

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT
REACTIONS MARKED WITH AN ASTERICK OCCUR @ SECONDARY LEVEL



BANK B ZONE II

BANK A ZONE II



MG & SECONDARY LEVEL
BANK A
55 FLOOR

NOTES
1-FOR WALL LOCATIONS SEE DWG NO L-A-9
2-60 CEMENT CANTS. REQ'D ON ALL BEAM PROJ. & 6" ABOVE (BY OTHERS)
3-ELEV. CONT. TO PROVIDE CHANNEL BACKING AS REQ'D.

REVISIONS								REVISIONS			
NO.	DATE	ENGR. INIT.	BY	NO.	DATE	ENGR. INIT.	BY	NO.	DATE	ENGR. INIT.	BY
0	8-1-66	ISSUED FOR BID									
1	2-9-67	—	JMM								
2	5-2-67	—	JMM								

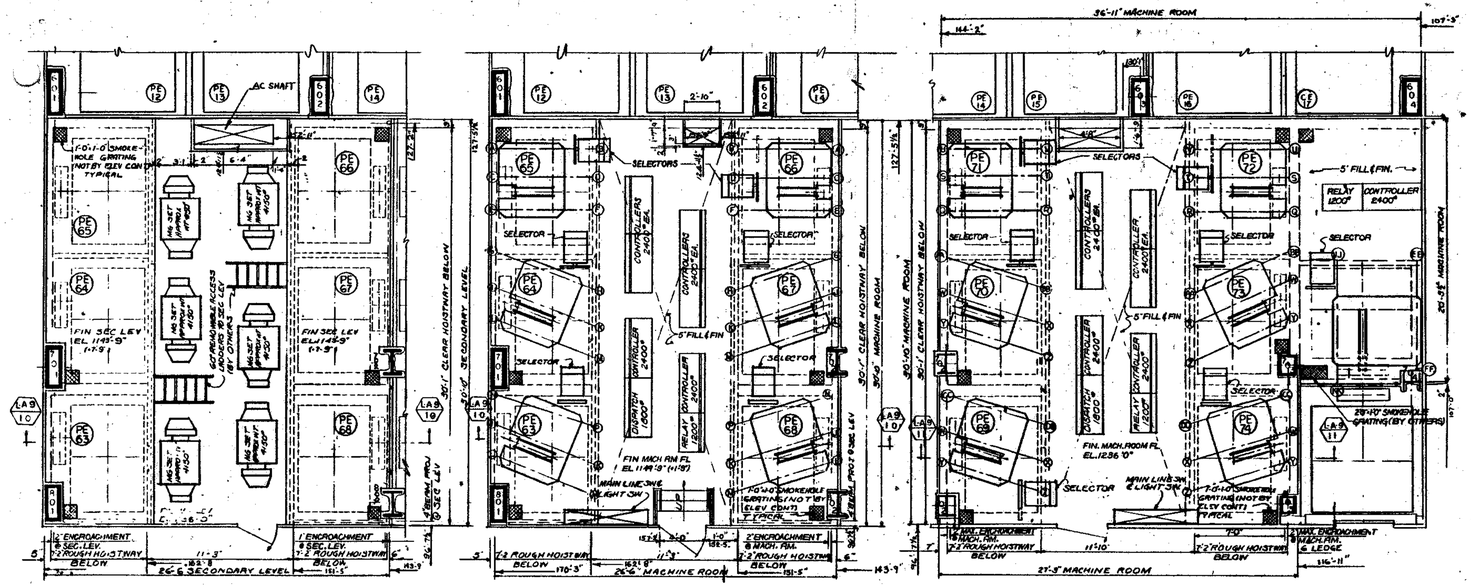
APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

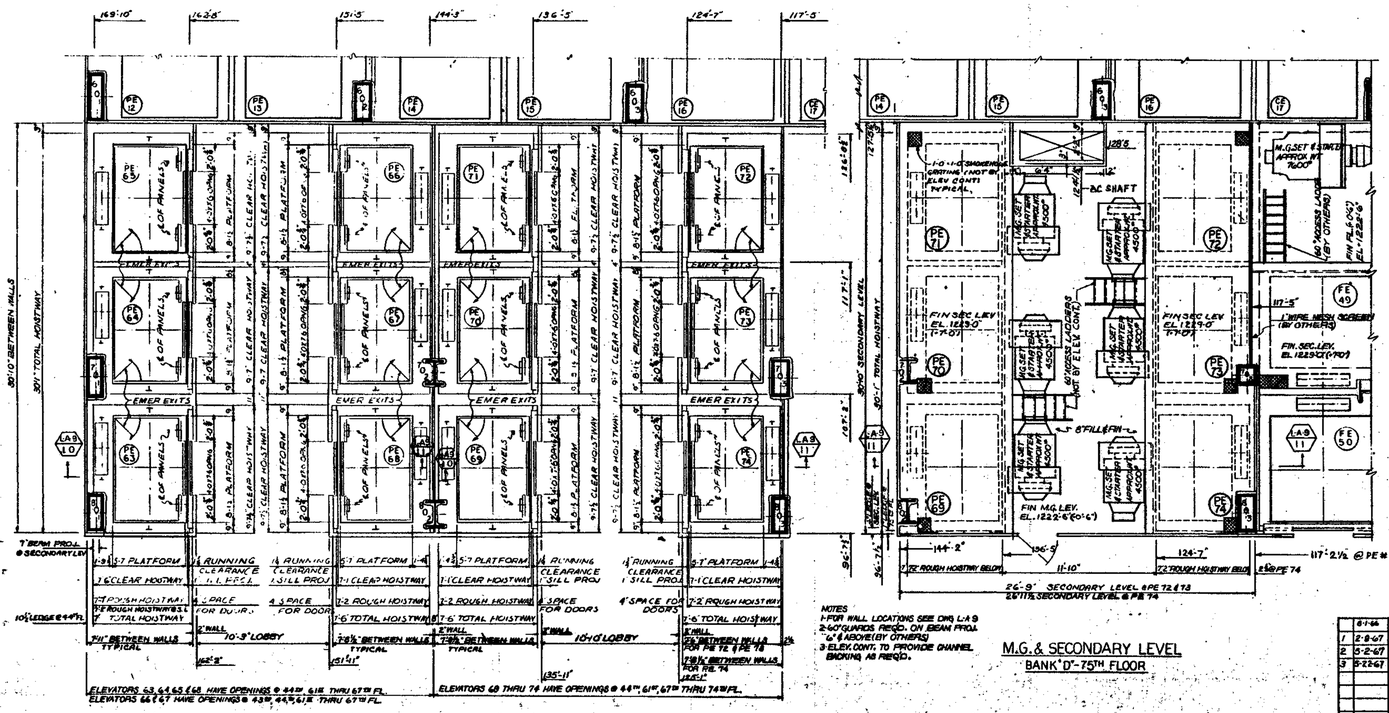
TITLE: ZONE II-RISER, BANKS A & B-SECONDARY & MACHINE ROOM PLANS

DRAWN	R.S.C.	CHECKED	C.L.H.
SCALE	1/4"=1'-0"	DATE	7-15-66
PROJECT NUMBER		SHEET	49
DRAWING NUMBER	L-A-7		



REACTIONS									
A	26.1°	H	14.1°	Q	29.5°	X	9.0°	EE	15.0°
B	15.4°	J	46°	R	17.5°	Y	27.5°	FF	20.0°
C	3.0°	K	3.4°	S	9.6°	Z	14.9°		
D	3.0°	L	26.2°	T	3.4°	AA	17.1°		
E	16.7°	M	13.5°	U	13.4°	BB	10.0°	JJ	29.0°
F	10.1°	N	12.4°	V	11.6°	CC	17.1°	KK	40.0°
G	12.4°	P	14.1°	W	9.0°	DD	10.0°		

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT



NOTES
1-FOR WALL LOCATIONS SEE DWG. L-A 9
2-HOISTWAYS RECD. ON BEAM PROJ. 6" ø ABOVE (BY OTHERS)
3-ELEV. CONT. TO PROVIDE CHANNEL SHOWING AS REQ'D.

NO.	DATE	SUB. NO.	BY
1	2-8-67	—	J.M.K.
2	5-2-67	—	J.M.K.
3	5-23-67	—	R.S.C.

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

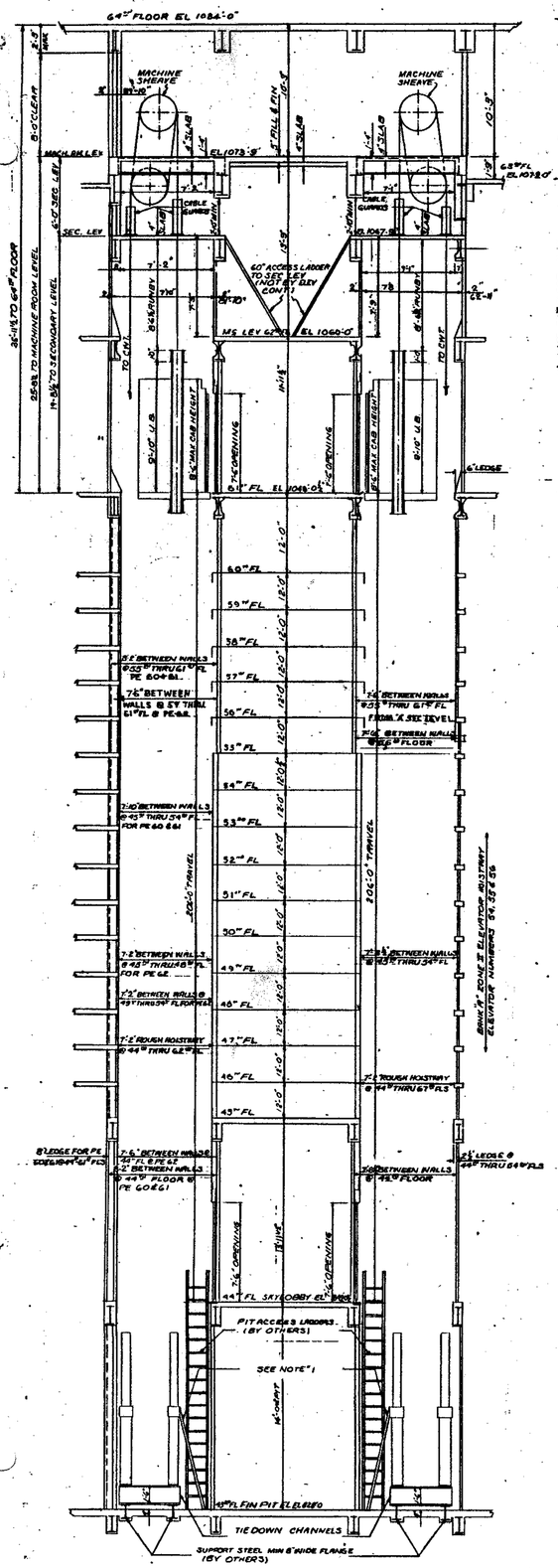
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

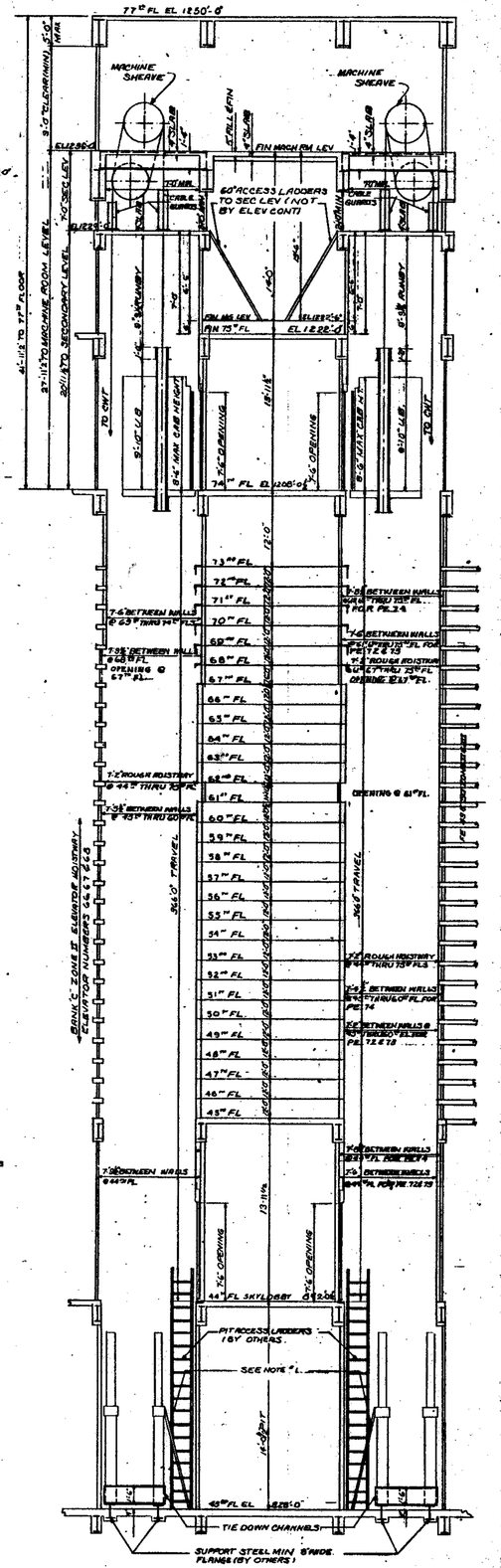
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE II
BANKS 'C' & 'D'-SECONDARY & MACHINE ROOM PLANS

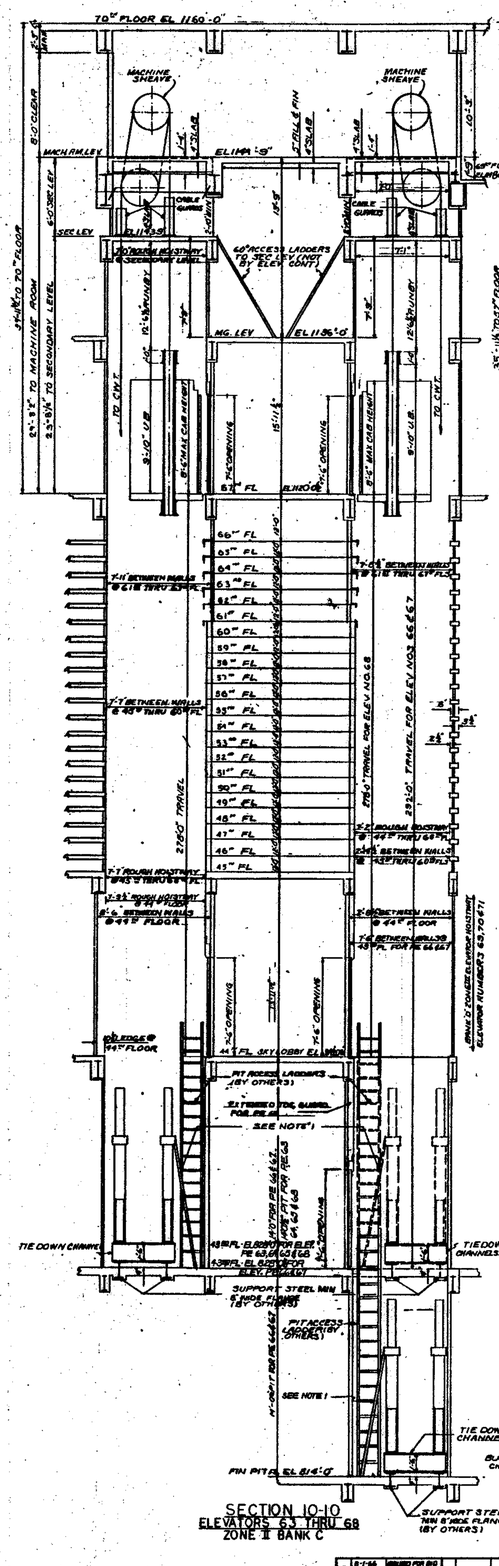
DRAWN	RS	CHECKED	CLK
SCALE	1/4"-1'-0"	DATE	7-15-66
PROJECT NUMBER		SHEET	36
DRAWING NUMBER	L-A-8		



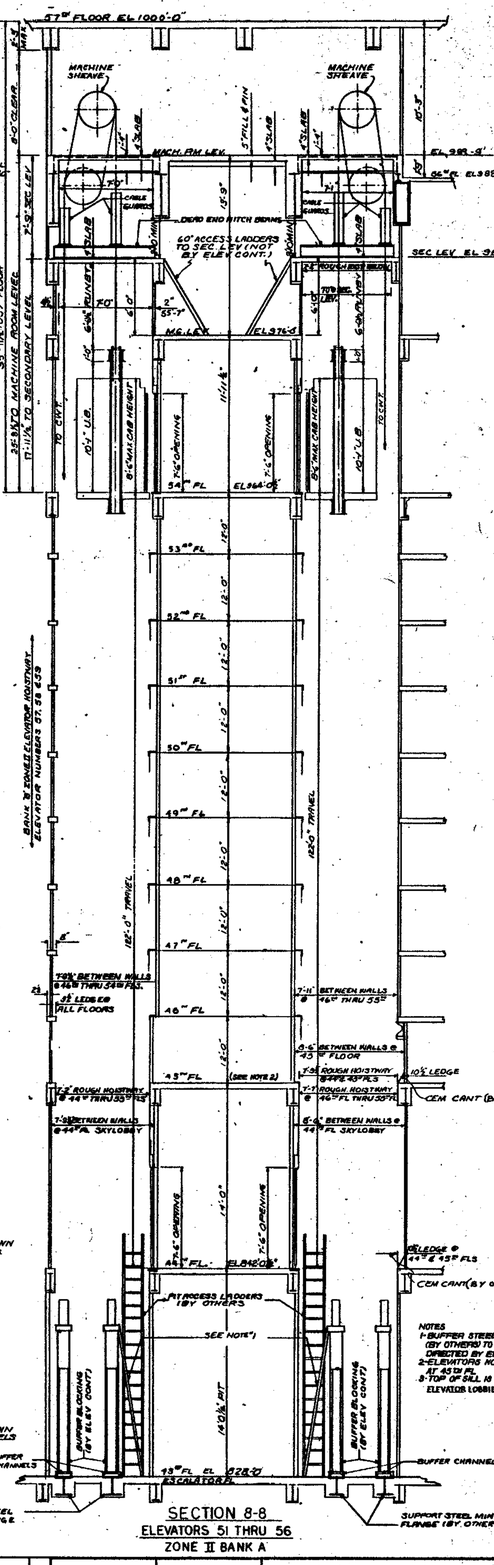
SECTION 9-9
ELEVATORS 57 THRU 62
ZONE II BANK B



SECTION 11-11
ELEVATORS 69 THRU 74
ZONE II BANK D



SECTION 10-10
ELEVATORS 63 THRU 68
ZONE II BANK C



SECTION 8-8
ELEVATORS 51 THRU 56
ZONE II BANK A

NOTES
1-BUFFER STEEL RUNG LADDERS (BY OTHERS) TO BE LOCATED AS DIRECTED BY ELEVATOR MANUFACTURER
2-ELEVATORS NOS. 57 & 58 HAVE OPENINGS AT 45TH FL.
3-TOP OF SILL IS ½" ABOVE FIN. FL. AT ALL ELEVATOR LOBBIES TO ALLOW FOR CARPETING.

NO.	DATE	REVISED FOR BID
-	8-1-66	
1	3-6-67	—
2	11-8-67	—
3	5-26-67	—

REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

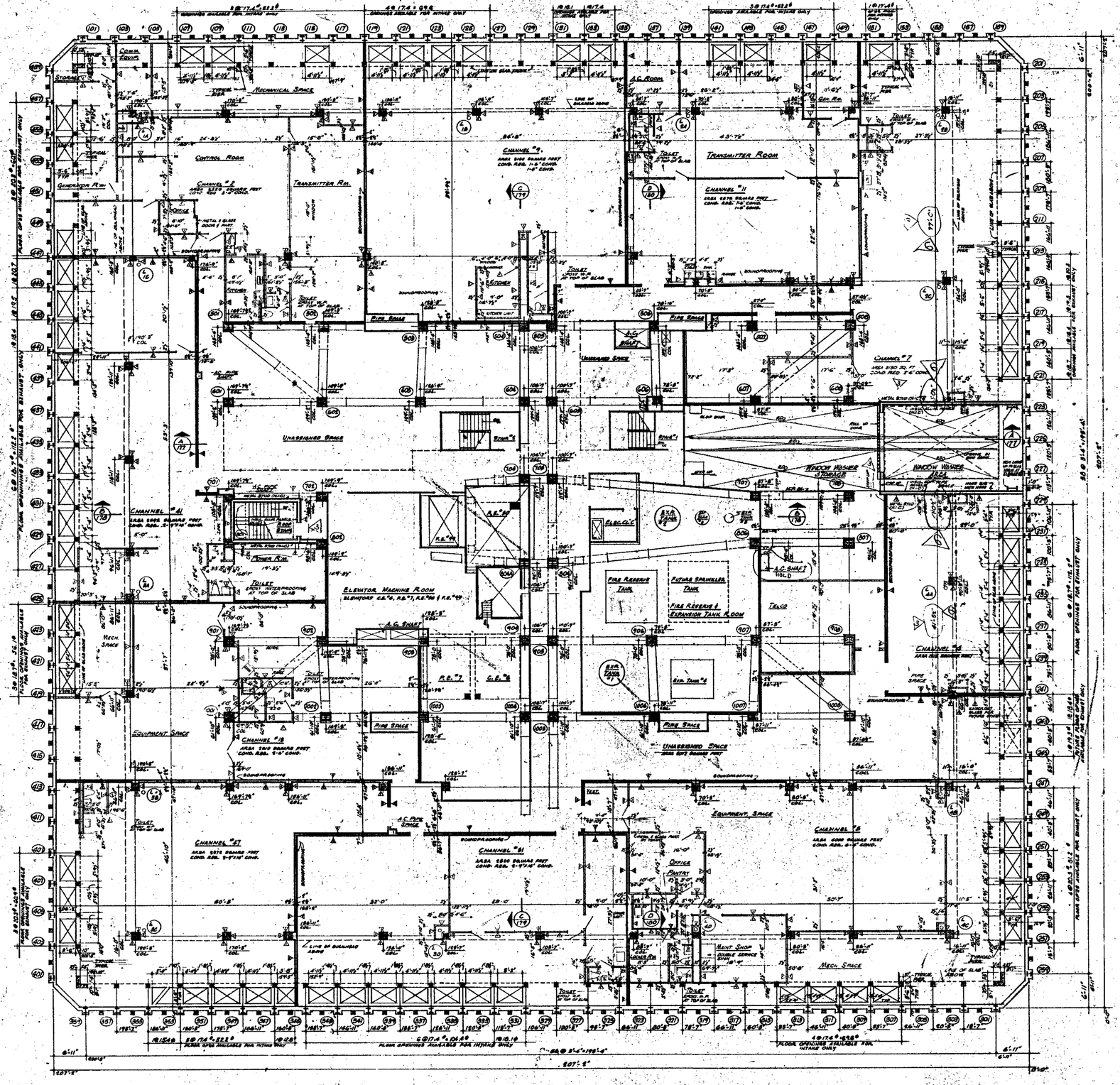
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: ZONE II ELEVATIONS BANKS A, B, C & D

DRAWN: RSC | CHECKED: CLR
SCALE: 1/4"=1'-0" | DATE: 7/15/66
PROJECT NUMBER: | SHEET: OF

DRAWING NUMBER: L-A-9



NOTES

1. FOR GENERAL NOTES, KEY TO MATERIALS, SYMBOLS, ABBREVIATIONS, DOOR SCHEDULES AND SENSORS OF DRAWINGS SEE DRAWINGS A-0.1 TO A-0.4.
2. FOR SCHEDULE & SCALE CODE PLAN SEE DWG. A-0.1/78.
3. ALL ELEVATIONS GIVEN ARE TO TOP OF SLAB, UNLESS NOTED OTHERWISE.
4. FOR MECHANICAL AND ELECTRICAL LEGENDS SEE ABBREVIATION DRAWINGS M-0.1 & E-0.1.
5. FOR TYPICAL STAIR DETAILS SEE DWG. A-0.1; 0.2 & A-0.3.
6. WHERE NO DIMENSIONS OR LEGEND ARE SHOWN ON PLANS, THEY ARE IN FLOOR'S, STUD PARTITIONS ACT., EXTERIOR ELEVATIONS OF ALL PURPOSE AIR DISTRIBUTION, SHALL BE ADJUSTABLE AT TIME OF INSTALLATION AS REQUIRED TO PROVIDE FOR PROPER CIRCULATION AND CLEARANCE OF FULL PERIMETER RADIATION.
7. ALL PARTITIONS INDICATED AS SHOWN ARE BY OTHERS. WHERE PARTITIONS ARE INSTALLED BY TENANT, THEY SHALL BE BUILDING STANDARD METAL STUD & WALLBOARD, OR AS SPECIFIED BY TENANT.
8. FOR ALL DOOR TYPES, BUCKS, HARDWARE, SUSP. CEIL., FINISHES, ETC. WITHIN BROADCASTERS SPACES SEE RESPECTIVE BROADCASTERS ARCH. DWGS.

REVISIONS											
NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
3	9-17-75	A-416	J.K.								
4	11-15-75	A-420	L.J.								
5	2-23-76	A-408	L.J.								
6		A-407	L.J.								
7	6-16-76	A-502	L.J.								
8	11-9-76	A-548	L.J.								

SUBSTITUTIONS NOT DATED ARE IN THE CONTRACT AND FOLLOWING ADDENDA

REGISTERED ARCHITECT — STATE OF NEW YORK — No. 21120

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING CONSULTING FOUNDATIONS

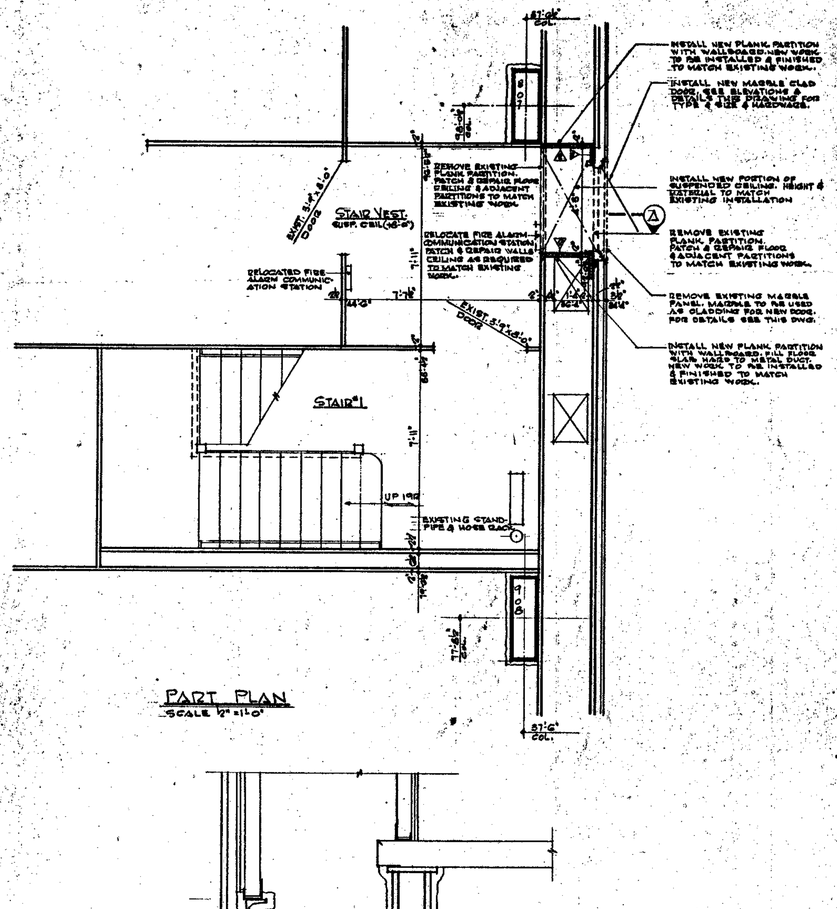
TITLE: 110TH FLOOR PLAN

BROADCASTERS

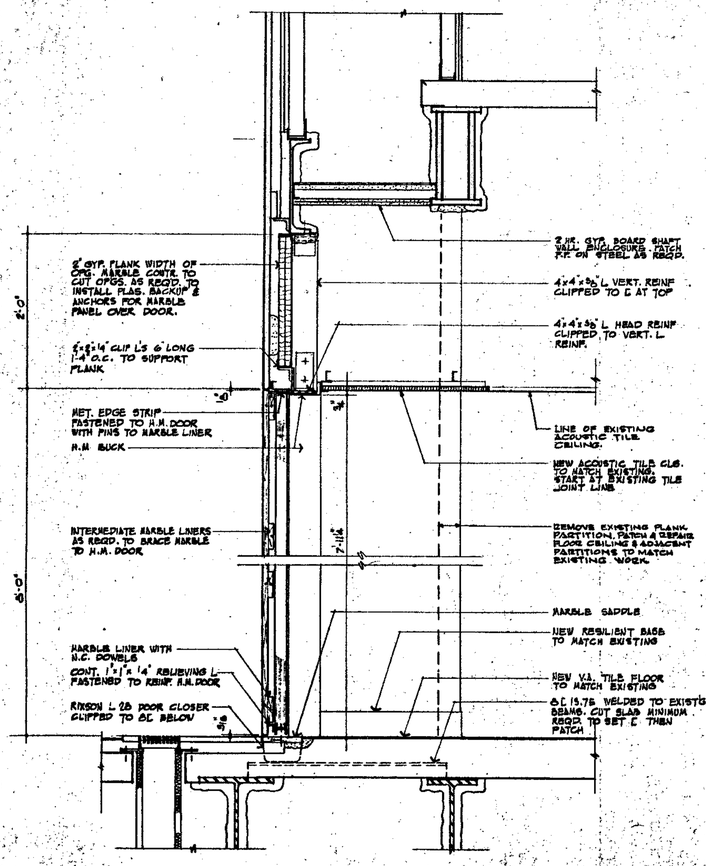
SCALE: 1/16"-0" | DATE: 6-7-76

PROJECT NO. | DRAWING NO.

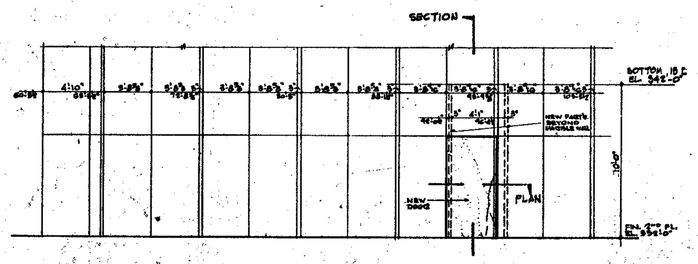
T·A·A·T·C·O



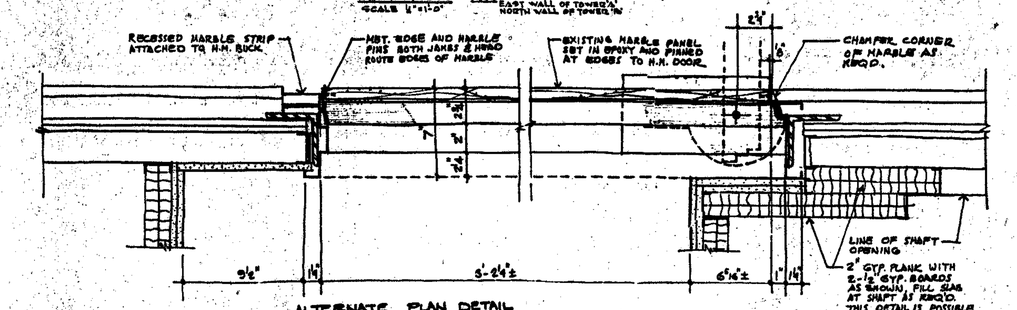
PART PLAN
SCALE 1/2" = 1'-0"



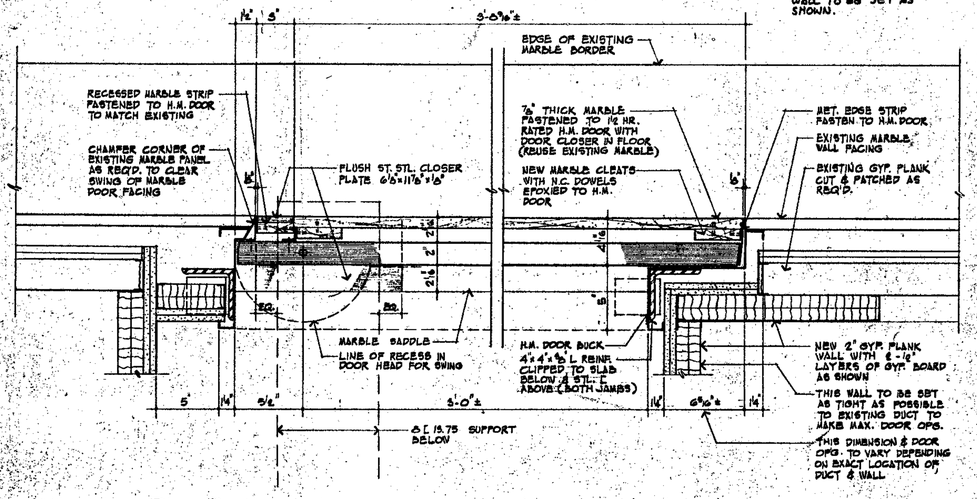
SECTION
SCALE 1" = 1'-0"



ELEVATION
SCALE 1" = 1'-0"
NOTE: EAST WALL OF TOWER 'A', NORTH WALL OF TOWER 'B'



ALTERNATE PLAN DETAIL



PLAN DETAIL
SCALE 3" = 1'-0"

NOTES
1. CONTRACTOR TO VERIFY ALL CONDITIONS AT THE SITE BEFORE PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES BETWEEN THIS DRAWING AND FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

REVISIONS

APPROVED

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL/ELECTRICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — SOILS & GEOLOGICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: MEZZANINE LEVEL EXIT DOORS AT TOWERS A & B
SCALE: AS NOTED
DATE: 11-8-73
DRAWING NO.: TA-AB-M-D-1

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

Complete.

TOWER A

ARCH

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

SKILLING HELLE CHRISTIANSEN & ROBERTSON
STRUCTURAL ENGINEERS
FORMERLY WORTHINGTON SKILLING HELLE & JACKSON

JAROS BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
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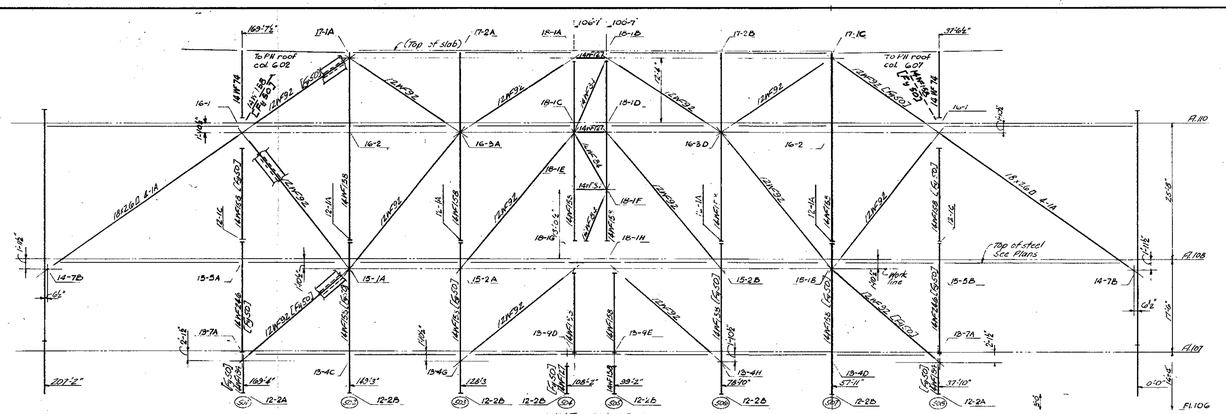
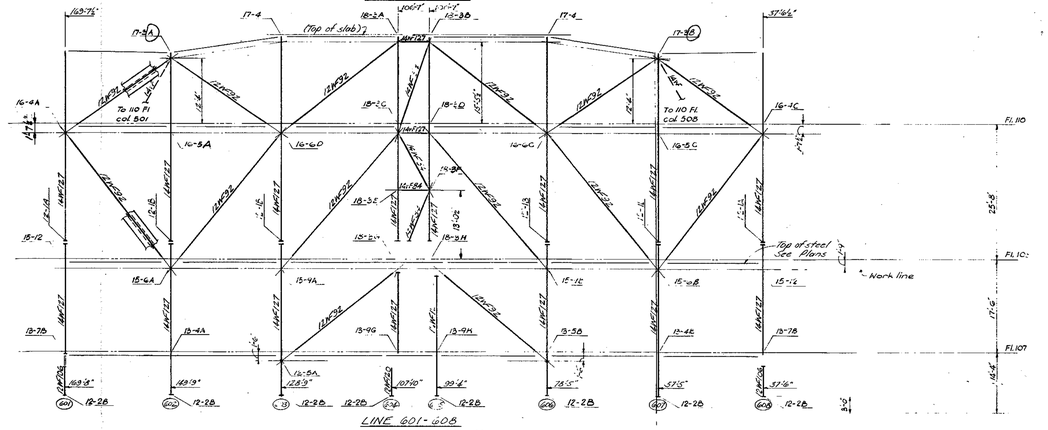
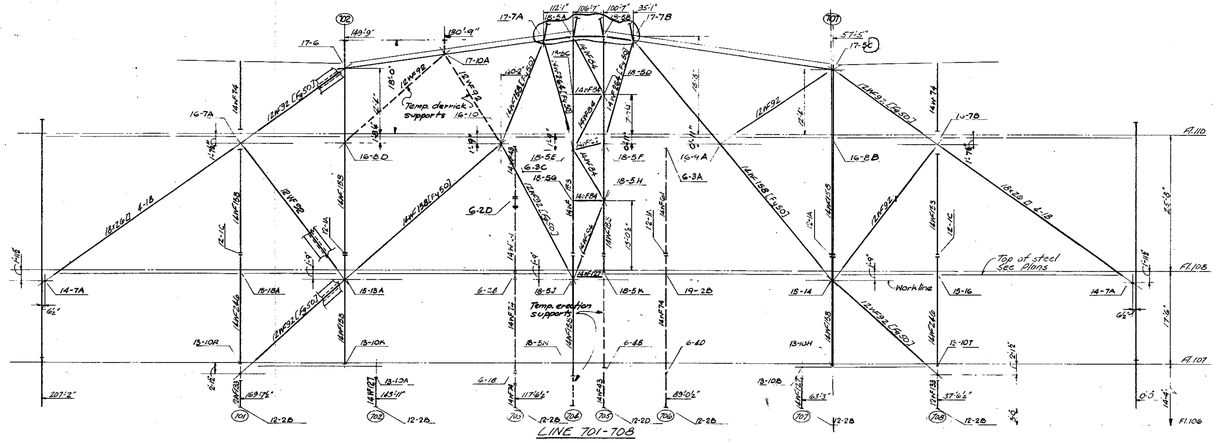
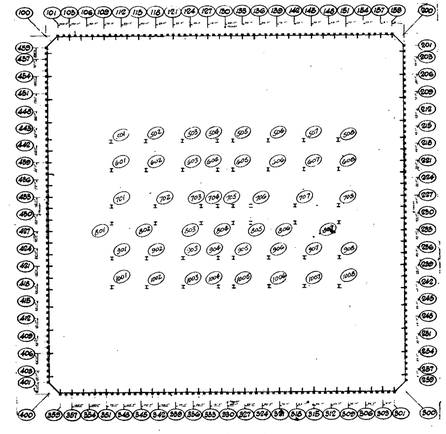
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS





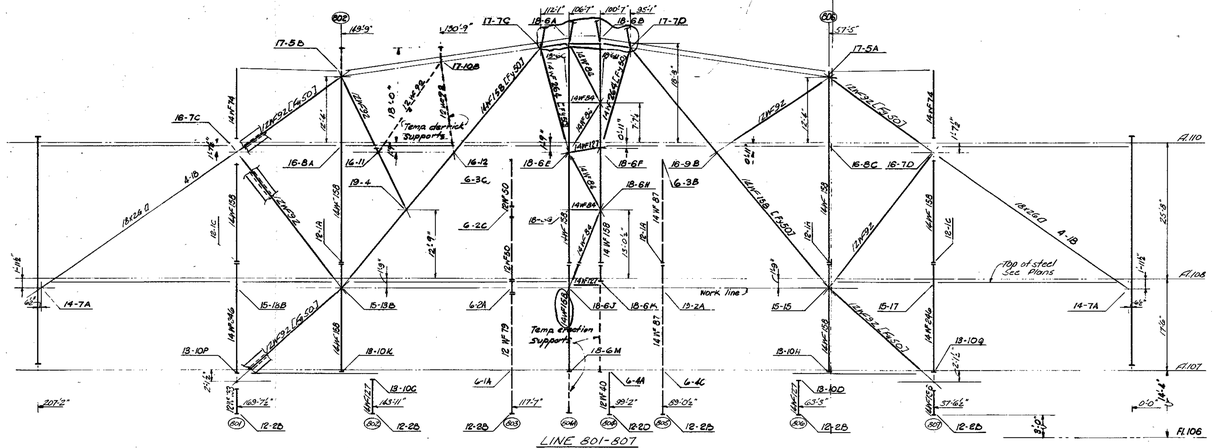


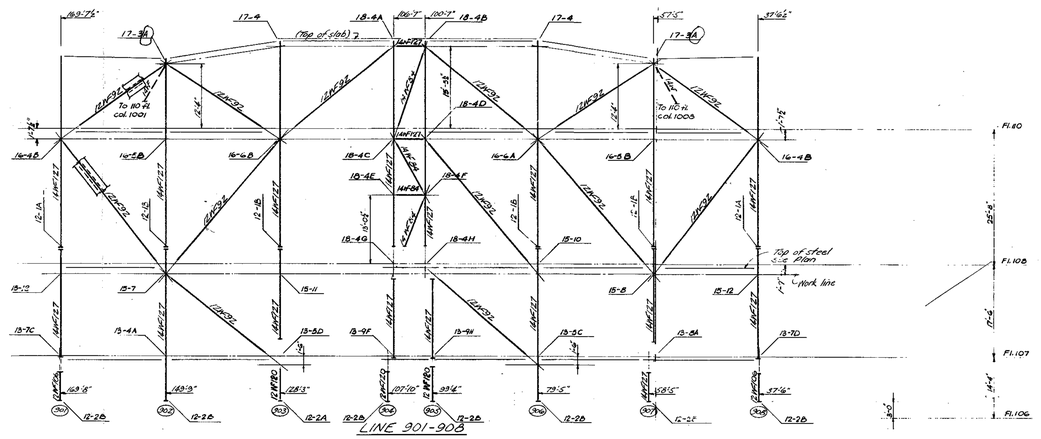


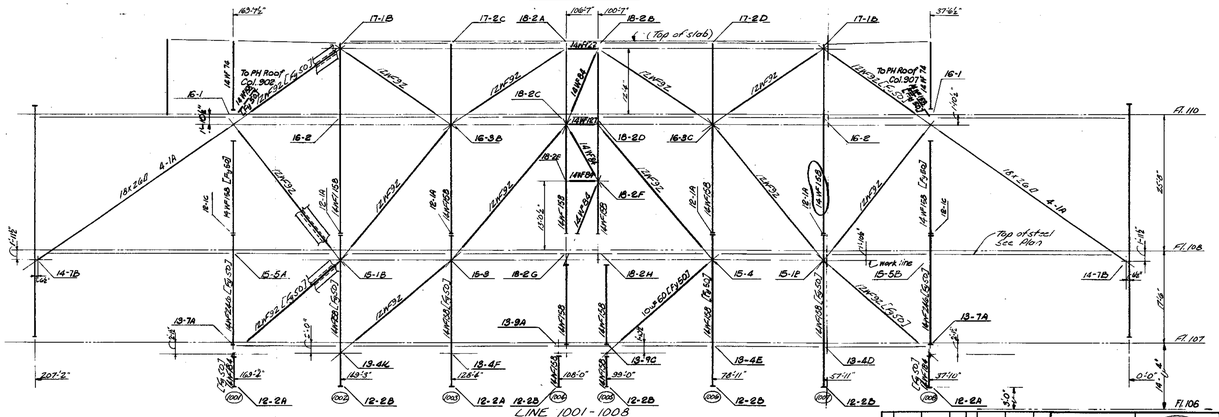
KEY PLAN

Notes
1. Steel Fy 36 unless noted.
2. See Drawing Book 9 for General Notes, schedules and details
3. References thus 16-9/ refer to Drawing Book 9-AB16-9 and 12-5B/ refer to Drawing Book 9-AB12-5 Detail B

NO.	DATE	REVISIONS	BUL. NO.	BY







REVISIONS				REVISIONS			
NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
					12/14/70		
					1-10-70		
					6-15-70		
					9/21/70		
				△	4/11/70		

APPROVED

CHIEF, PLANNING DIVISION

DATE

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MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

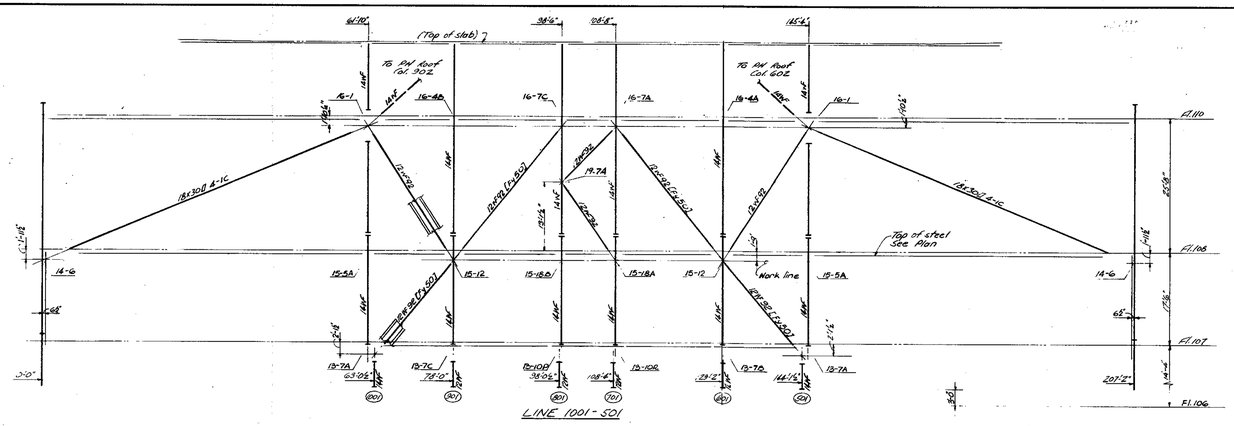
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

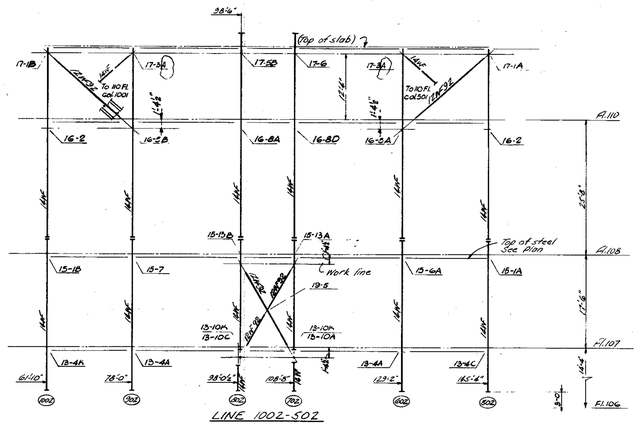
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

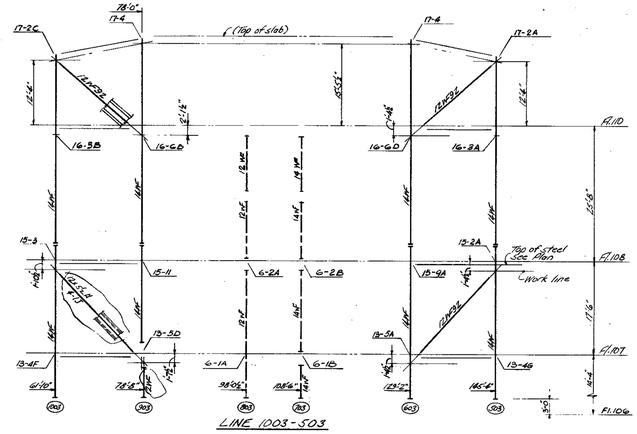
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

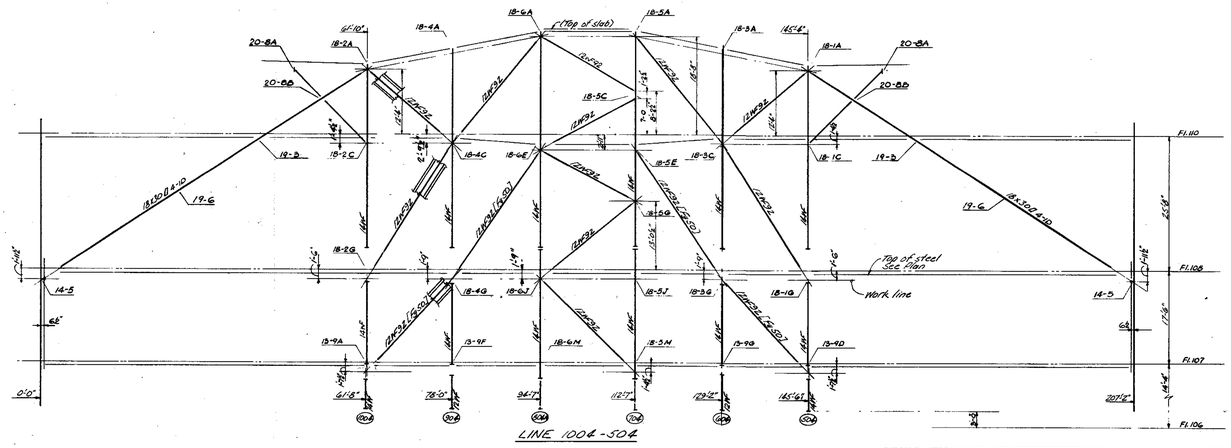
TITLE: TV MAST SUPPORT ELEVATIONS LINES 800, 900 & 1000

DRAWN	[illegible]	CHECKED	W Baum
SCALE	3/16"	DATE	4-1-70
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	SA-402		









REVISIONS					
NO.	DATE	SUB. NO.	BY	DATE	SUB. NO.
				1-10-70	
				6-15-70	
				7-27-70	
				8-27-70	

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CHIEF, PLANNING DIVISION

DATE

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RICHARD ROTH, ARCHITECT

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STRUCTURAL ENGINEERS

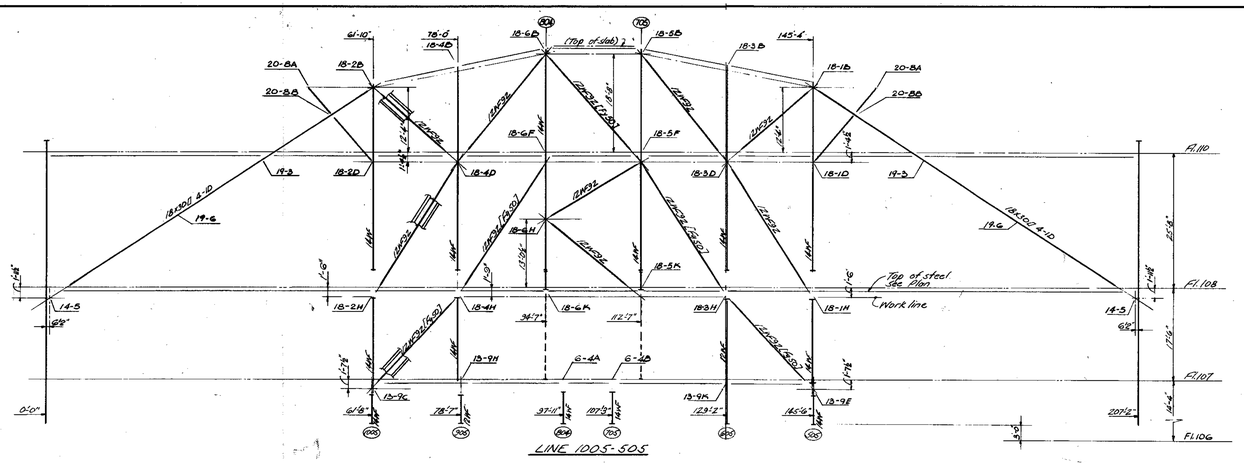
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

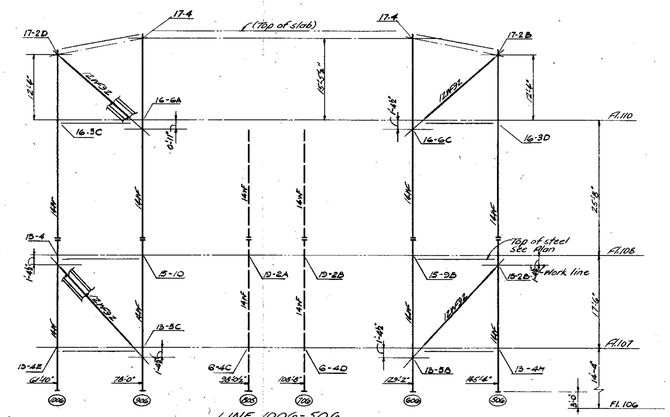
JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

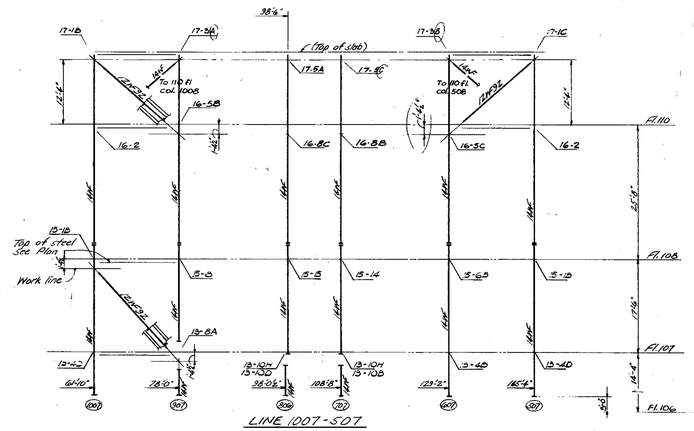
THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

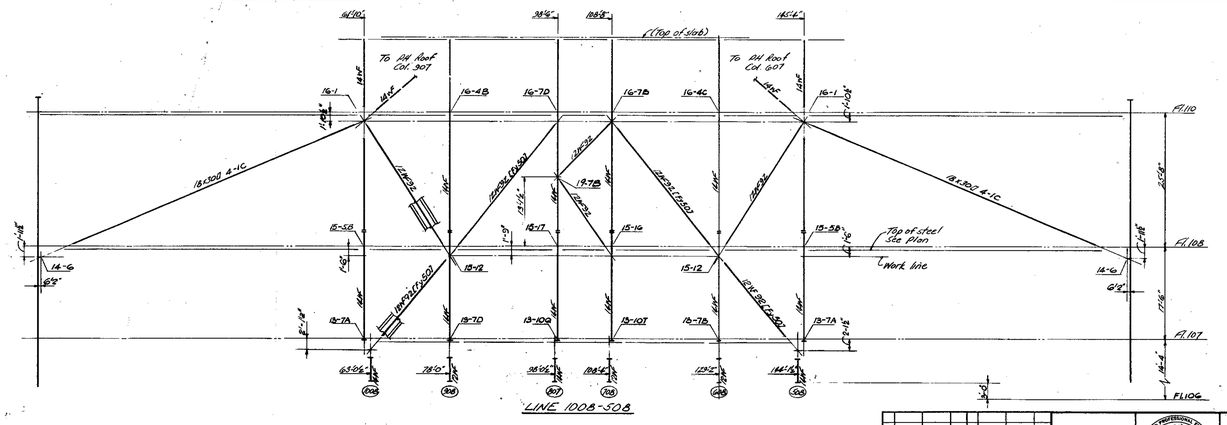
TITLE: TV MAST SUPPORT ELEVATIONS LINES 001,002,003,004

DRAWN	[illegible]	CHECKED	W.B. Stewart
SCALE	1/8"=1'-0"	DATE	6-1-70
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	SA-403		









REVISIONS				REVISIONS			
NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
				1	1-21-70		
				2	2-5-70		
				3	3-27-70		
				4	4-17-70		

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

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WORTHINGTON, SKILLING, HELLE & JACKSON
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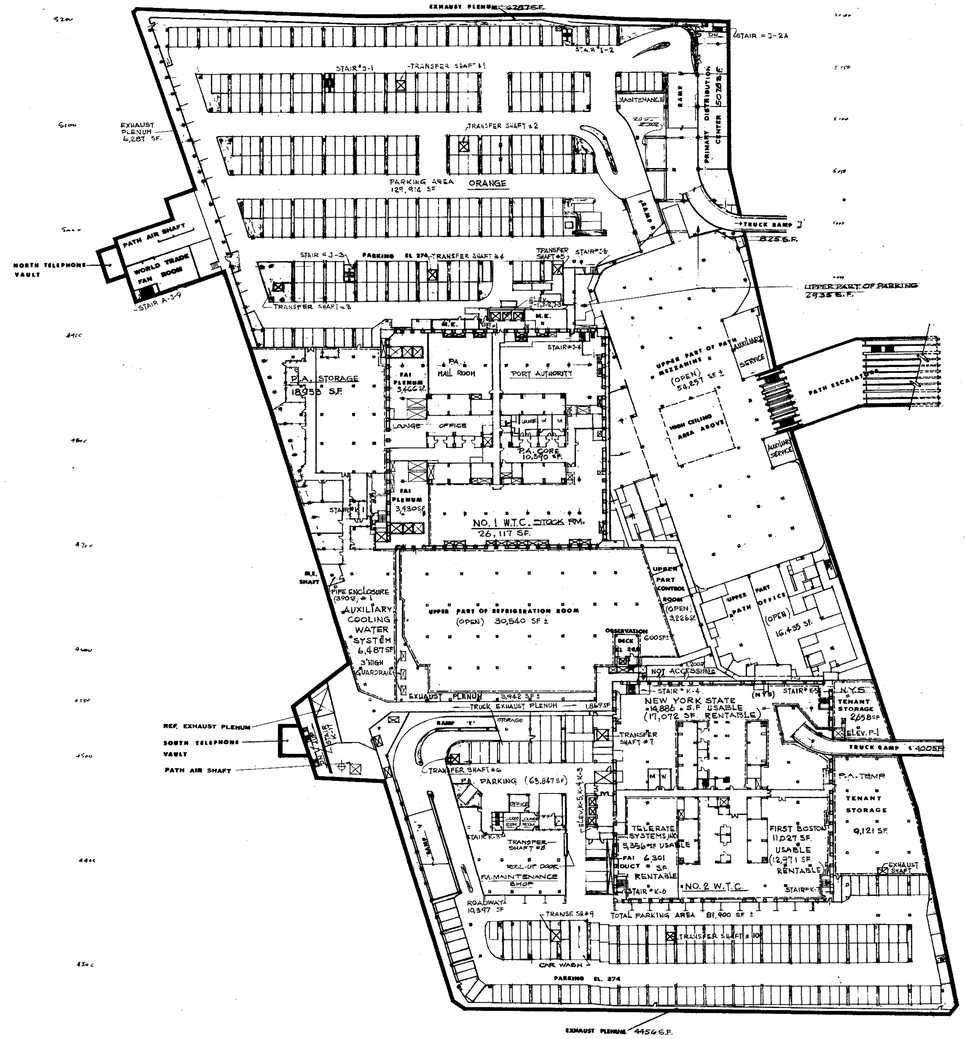
EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

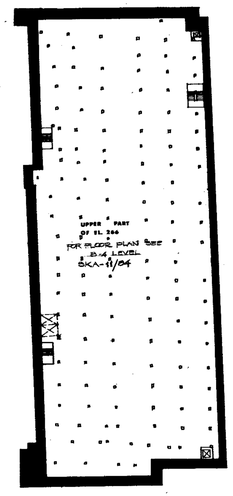
TITLE: TV MAST SUPPORT ELEVATIONS LINES 1005-506 & 1007-508

DRAWN	J. Adams	CHECKED	W. Brown
SCALE	1/16"	DATE	4-1-70
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	SA-404		



FLOOR PLAN

Scale: 1" = 40'-0" as shown



LEGEND
ELEVATION 274'

NORTH TOWER

	SQ. FT.
A.C. TRANSFER PLENUM	6,896
PORT AUTHORITY	26,117
CORE (INCLUDES SHAFTS, STAIRS, CLOSETS ETC.)	10,830
TOTAL	43,843

SOUTH TOWER

NEW YORK STATE	14,886 U. (17,072 R.)
CORE (INCLUDES, STAIRS, SHAFTS, TRUCK RAMP, CLOSETS ET C.)	12,789
TELERATE (WT-8005-S 274)	5,356 U. (6,301 R.)
FIRST BOSTON (WT-8006-S 274)	11,027 U. (12,971 R.)
TOTAL	44,058

PLAZA

MECH. EQUIP.	
UPPER PART OF OBJERVATION DECK	600
UPPER PART OF REFRIGERATION RM.	30,541
UPPER PART OF CONTROL RM.	3,226
TRUCK EXHAUST PLENUM	1,869
NORTH EXHAUST PLENUM	6,287
SOUTH EXHAUST PLENUM	4,456
M.E. SHAFT	390
UPPER PART OF EXHAUST PLENUM REFR. RM.	3,942
TENANT STORAGE	9,121
UPPER PART OF UNASSIGNED SPACE	1,200
TRUCK RAMP	1,225
NEW YORK STATE	2,658
P.A. PARKING (INCLUDING ROAD, CAR & POOL FACILITIES)	81,900
SHAFTS, DUCTS, ELEVATORS, ETC. WITHIN P.A. PARKING AREA	2,769
PARKING NORTH SIDE	169,914
SHAFTS, DUCTS, ELEVETORS, ETC. WITHIN	
NORTH SIDE PARKING	3,127
UPPER PART OF PARKING	2,935
PRIMARY ELECTR. DISTRIBUTION CENTER	5,676
UPPER PART OF PATH MEZZANINE	70,692
PORT AUTHORITY STORAGE	18,953
AUXILIARY COOLING WATER SYSTEM	6,487
TOTAL	387,370

NORTH PROJECTION

PATH	3,376
GARAGE	2,842
	6,218

SOUTH PROJECTION

PATH	3,124
TRUCK DOCK EXHAUST	2,080
	5,204

TOWER	A	26,117	SQ.FT.
TOWER	B	36,344	"
PLAZA		30,732	"

NO.	DATE	REVISIONS	NO.	DATE	REVISIONS
2	9-26-84	K.G.			
1	8-15-84				

APPROVED

CHIEF, PLANNING DIVISION

DATE

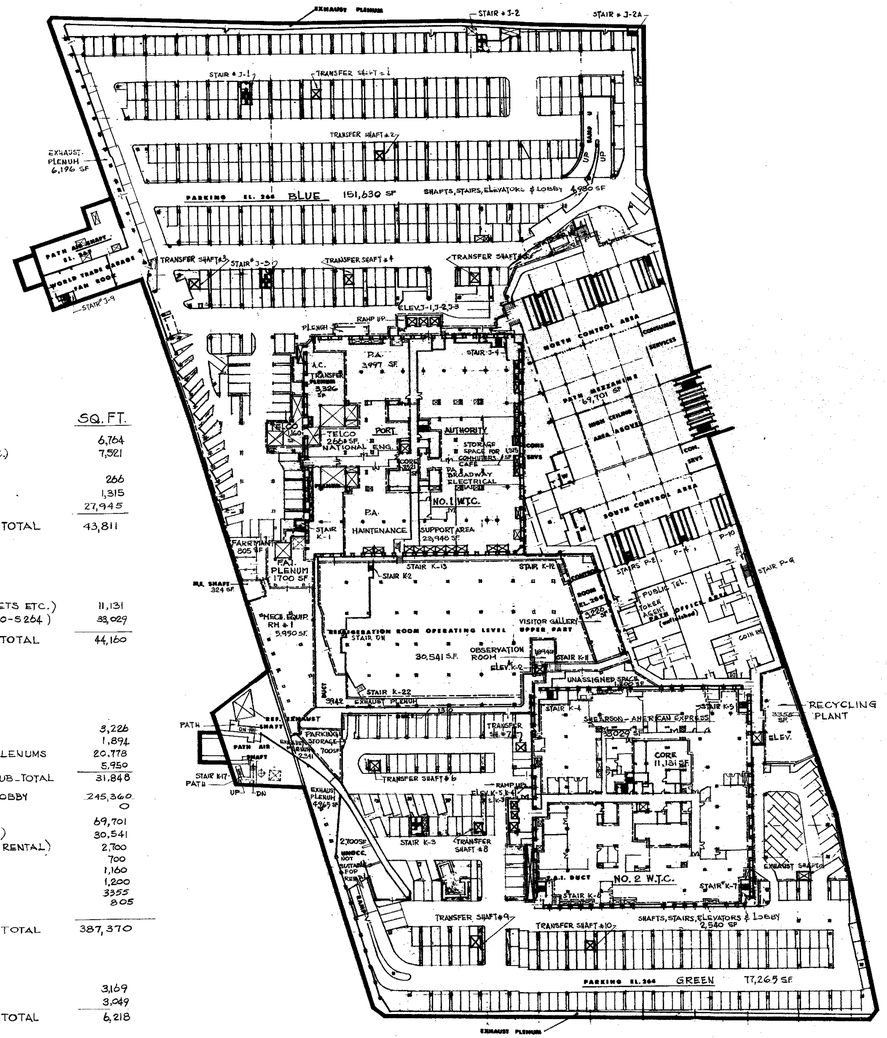
THE WORLD TRADE CENTER

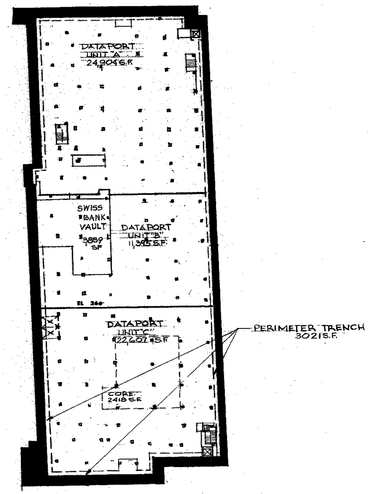
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: FLOOR PLAN AT ELEVATION 274 B-3 LEVEL

DRAWN	SW	CHECKED	T.G.
SCALE	1" = 40'-0"	DATE	2-9-84
PROJECT NUMBER		SHEET	
DRAWING NUMBER	SKA 10/84		





LEGEND
ELEVATION 264'

NORTH TOWER

	SQ. FT.
A.G. TRANSFER PLENUMS	6,764
CORE (INCLUDES STAIRS, SHAFTS, CLOSETS ETC.)	7,521
TELCO	266
COMMUTERS CAFE	1,315
MAINT. SUPPORT AREA (INCL. CORR.)	27,945
TOTAL	43,811

SOUTH TOWER

CORE (INCLUDES STAIRS, SHAFTS CLOSETS ETC.)	11,131
SHEARSON - AMERICAN EXPRESS (WT-2000-S 264)	33,029
TOTAL	44,160

PLAZA

MECH. EQUIPMENT	
CONTROL RM.	3,226
OBSERVATION RM.	1,894
P.A.I. DUCTS & SHAFTS & ALL PLENUMS	20,778
MECH. EQUIP. RM. # 1	5,950
SUB-TOTAL	31,848
PARKING, SHAFTS, STAIRS, ELEV. & ELEV. LOBBY	245,360
TENANT STORAGE	0
PATH MEZZANINE	69,701
OPEN (UPPER PART REFRIGERATION ROOM)	30,541
UNASSIGNED SPACE (NOT SUITABLE FOR RENTAL)	2,700
PARKING STORAGE	700
TELCO	1,160
UNASSIGNED SPACE	1,200
RECYCLING PLANT	3255
FARRYMAN (WT-2562-S264)	805
TOTAL	387,370

NORTH PROJECTION

PATH	3,169
GARAGE	3,049
TOTAL	6,218

SOUTH PROJECTION

PATH	
FIRE STAIR	173
SHAFT FOR EXHAUST	200
OPEN	4,831
TOTAL	5,204

OLD H&M

DATAPORT (WT-2528-S266)	58,906
SWISS BANK VAULT (WT-1075266)	3859
CORE (INCLUDES STAIRS, ELEVATORS, MACH. RMS, SUMPS)	2418
PERIMETER TRENCH	3021
TOTAL	68,204

RENTABLE SPACE

TOWER A	29,526 SQ. FT.
TOWER B	33,029 SQ. FT
OUTSIDE OF TOWERS	1965 SQ. FT.

FLOOR PLAN
scale: As shown.

2 12-24-84 MG
1 8-15-84 DC
NO. DATE SUB. NO. BY REVISIONS

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

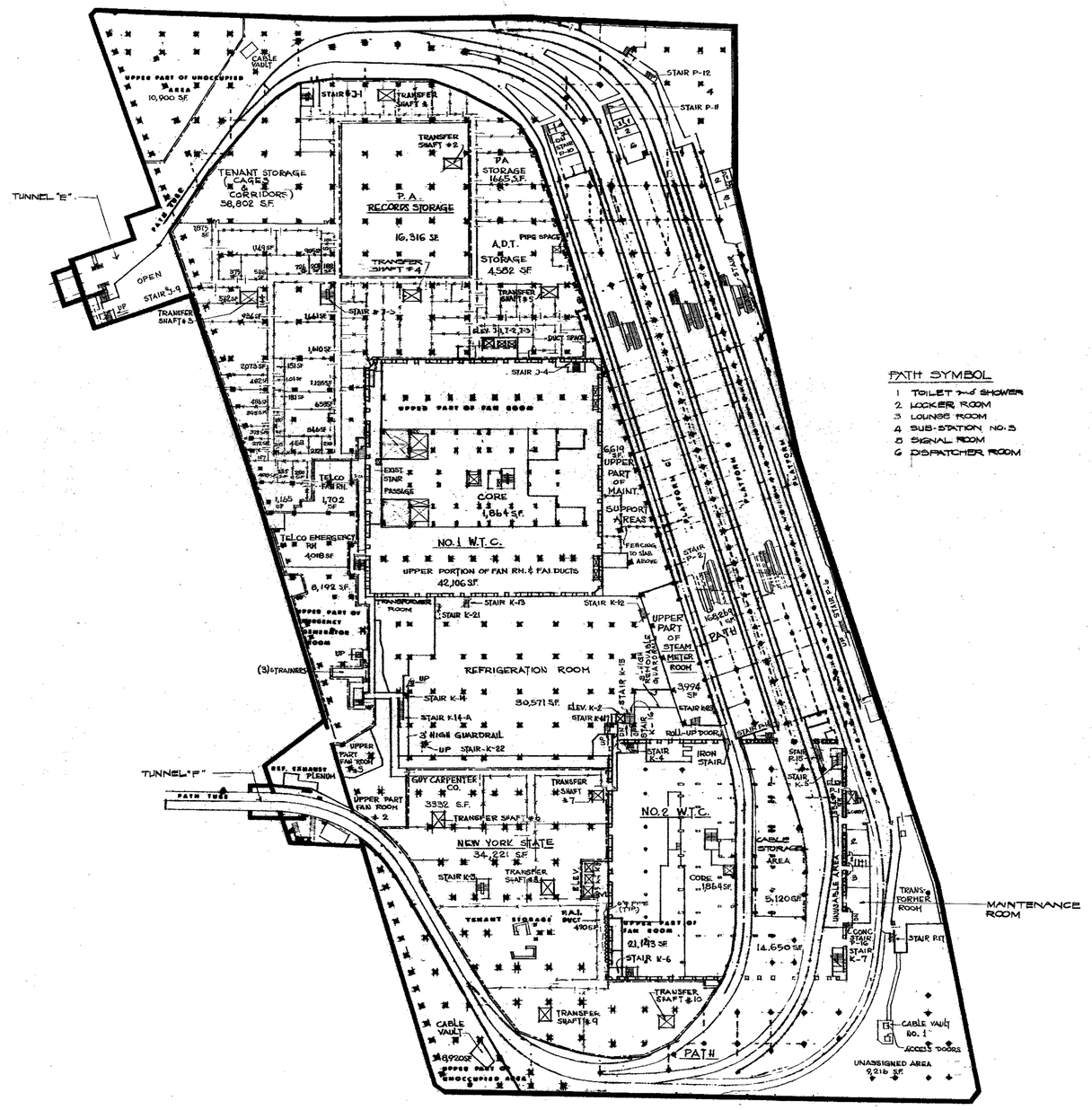
JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: FLOOR PLAN AT ELEVATION 264 B-4 LEVEL

DRAWN	SR	CHECKED	T.G.
SCALE	1"=40'-0"	DATE	2-9-84
PROJECT NUMBER		SHEET	4 OF 5
DRAWING NUMBER	SKA 11/84		



PATH SYMBOL

1. TOILET & SHOWER
2. LOCKER ROOM
3. LOUNGE ROOM
4. SUB-STATION NO. 5
5. SIGNAL ROOM
6. DISPATCHER ROOM

FLOOR PLAN
scale : as shown

NORTH

LEGEND

ELEVATION 250'-253'

NORTH TOWER	SQ.FT. AREA
CORE (INCLUDES STAIRS, SHAFTS, CLOSETS ETC.)	1,864
UPPER PORTION OF FAN RM. & F.A.I. DUCTS	42,106
TOTAL	43,970

SOUTH TOWER	
CORE (INCLUDES STAIRS, SHAFTS, CLOSETS ETC.)	1,864
OPEN	21,143
PATH	14,650
UPPER PART OF UNUSABLE AREA	6,674
TOTAL	44,331

PLAZA	
TELCO FAN ROOM	1,702
UPPER PART OF TELCO GEN. RM. & FUEL TANK	4,018
UPPER PART OF EMERGENCY GEN. R.M.	8,192
UPPER PART OF MAINT. SUPPORT AREA	6,619
UPPER PART OF STEAM METER ROOM	3,994
UPPER PART OF UNASSIGNED & UNOCCUPIED AREA	29,036
UPPER PART OF REFRIGERATION EXHAUST FAN ROOM & EXHAUST PLENUMS	9,087
F.A.I. DUCT	490
REFRIGERATION ROOM	30,541
(3) N.Y. STATE	34,221
PATH	168,269
(3) TENANT STORAGE (CAGES & CORRIDORS)	58,802
(3) P.A. RECORDS STORAGE	16,316
(3) P.A. WORLD TRADE STORAGE	1,665
(3) A.D.T. STORAGE (WT-1708 - S 253)	4,582
SHAFTS, DUCTS, STAIRS, PIPE SPACE, ELEVATOR LOBBIES JANITORS CLOSET WITHIN STORAGE AREA	6,554
(3) GUY CARPENTER (WT-8010 - S 253)	3,332
TOTAL	387,370

SOUTH PROJECTION	
PATH	2,800
REFRIGERATION	2,209
TOTAL	5,009

NORTH PROJECTION	
PATH	2,000
OPEN	3,332
TOTAL	5,332

(1) 0 SQUARE FEET (TOWER A)
(2) 0 SQUARE FEET (TOWER B)
(3) 118,918 SQUARE FEET (PLAZA)

REVISIONS					REVISIONS				
NO	DATE	REVISION NO	BY		NO	DATE	REVISION NO	BY	
2	9-26-84		KC						
1	8-15-84		DC						

APPROVED

CHIEF PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

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JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: FLOOR PLAN AT ELEVATION 250/253 B-5 LEVEL

DRAWN	SR	CHECKED	T.G.
SCALE	1"=40'-0"	DATE	2-9-84
PROJECT NUMBER		SHEET	5 OF 6
DRAWING NUMBER	SKA 12/84		