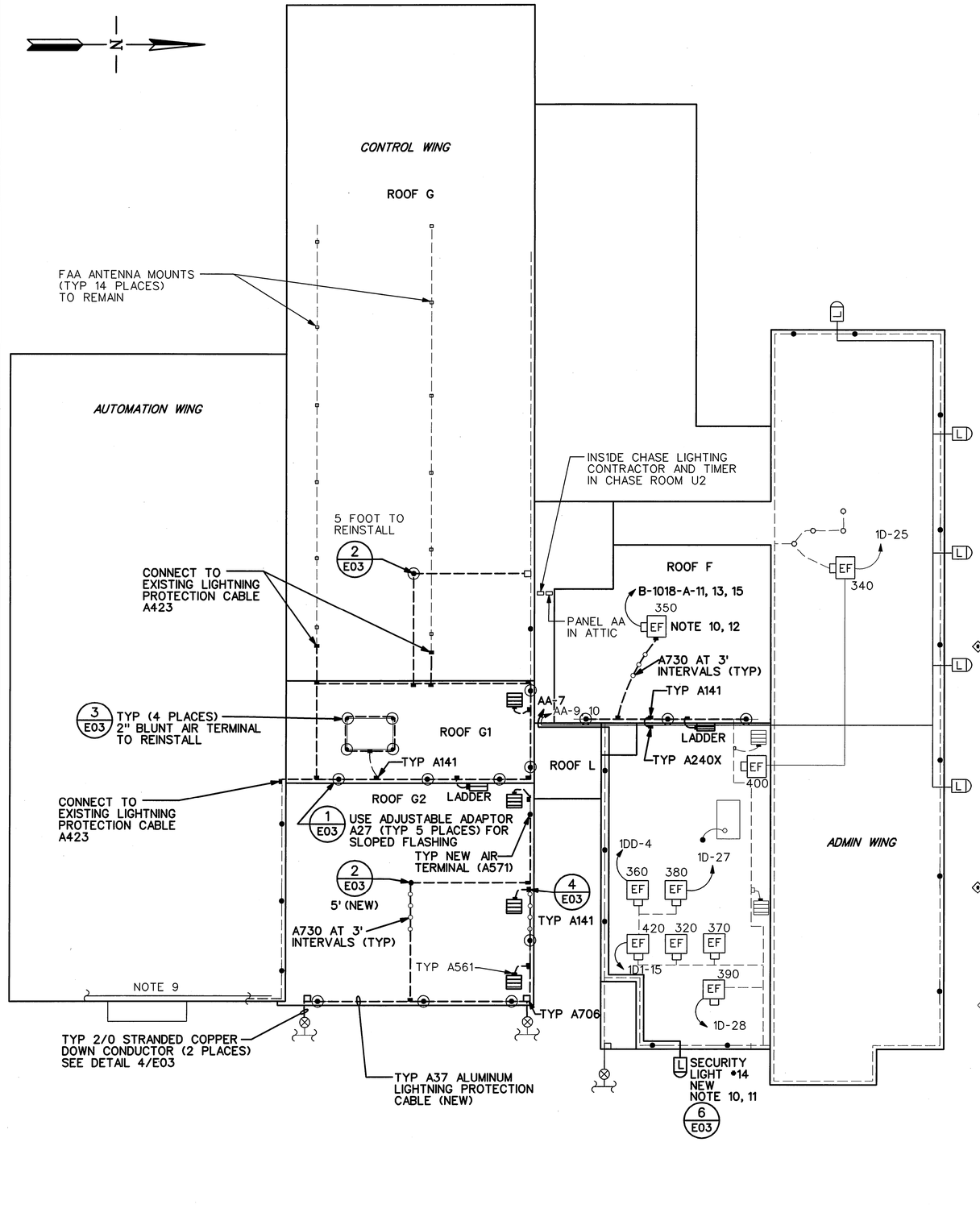

LEGEND

- EXISTING LIGHTNING AIR TERMINAL AND MAIN CONDUCTOR TO REMAIN
- EXISTING LIGHTNING AIR TERMINAL TO REINSTALL
- ROOF DRAIN
- DOWN CONDUCTOR
- SECURITY LIGHT/BOX/CONDUIT
- PARALLEL SPLICER/CONDUCTOR
- THROUGH ROOF CONDUCTOR AND PITCH POCKET
- VERTICAL RUN – MAIN CONDUCTOR
- ROOF LIGHTS
- LIGHTNING CONNECTOR
- EXISTING TO REMAIN
- NEW WORK
- EXHAUST FAN
- ELECTRIC J-BOX
- ANTENNA MOUNT

NOTES

1. MAINTAIN HORIZONTAL OR DOWNWARD COURSING OF MAIN CONDUCTOR AND INSURE THAT ALL BENDS HAVE AT LEAST AN 8" RADIUS AND DO NOT EXCEED 90°.
2. BOND ALL METAL BODIES OF CONDUCTANCE ON ROOF WITH MAIN SIZE CONDUCTORS SHOWN AND AS REQUIRED BY U.L. AND L.P.I.
3. SECURE ALL COMPONENTS (AIR TERMINALS, CONDUCTORS ETC) IN PLACE FREE FROM ANY MOVEMENT.
4. PROVIDE CONNECTION TO EXISTING GROUND DOWN CONDUCTORS.
5. ALL NEW MATERIALS SHALL BE TYPE II AND BE UNDERWRITER'S LABORATORIES LABELED AT THE FACTORY WITH "A" LABEL AT 10'-0" ALONG ALL MAIN CONDUCTORS AND "B" LABEL ON AIR TERMINAL. INSTALLATION BEARS U.L. MASTER LABEL "C" AS PER U.L. CODE 96A.
6. THE INSTALLATION SHALL COMPLY WITH L.P.I. CODE 175 AND L.P.I. CODE 177.
7. CONTRACTOR TO PROVIDE APPROVED SHOP DRAWING SUBMITTAL TO SHOW COMPLIANCE WITH NFPA-780 FROM THE LIGHTING PROTECTION MANUFACTURER PRIOR TO INSTALLATION.
8. FOR THIS DRAWING THOMPSON LIGHTNING PROTECTION HARDWARE IS CALLED OUT TO ESTABLISH A DESIGN. SEE SPECIFICATION FOR SUBMITTAL REQUIREMENTS.
9. ALL EXISTING/REMAIN SECURITY LIGHTS IN AUTOMATION WING ARE IN FULLY OPERATING CONDITION. CONTRACTOR MUST BE RESPONSIBLE TO TERMINATE TO BRANCH CIRCUIT AS PREVIOUS CONDITION.
10. INSTALL NEW CONDUIT 3/4" PVC COATED RGS AND WATERPROOF BOXES/SUPPORTS FOR NEW LIGHT FIXTURE AND EF350.
11. PROVIDE 3 #12 WIRING IN 3/4"C FOR NEW LIGHTING CIRCUIT UON. COMMON/SHARED NEUTRAL OR GROUNDING CONDUCTORS SHALL NOT BE PERMITTED. EACH BRANCH CIRCUIT SHALL HAVE ITS OWN SEPARATE NEUTRAL AND GROUNDING CONDUCTOR. COORDINATE WITH ESU.
12. CONTRACTOR TO PROVIDE NEW BRANCH CIRCUIT 3 #12 & 1 #12 GND THROUGH EF350 CURB ABOVE THE CEILING TO PANELBOARD B1018-A-11, 13, 15, 480V 3Ø 20A CB.

EXISTING PANEL AA

VOLTAGE: 208/120V

MAIN BREAKER — LOCATION: ATTIC

FUNCTION	BREAKER POLE	BREAKER AMP	CKT NO	BUS CONN	CKT NO	BREAKER AMP	BREAKER POLE	FUNCTION
SECURITY LIGHT#4	1	15	1	A B C	2	15	1	SECURITY LIGHT#19
SECURITY LIGHT#1, 2, 3, 5	1	15	3		4	15	1	SECURITY LIGHT#6
SECURITY LIGHT#7, 8, 9	1	15	5		6	15	1	SECURITY LIGHT#18
SECURITY LIGHT#14	1	20	7		8	15	1	SECURITY LIGHT#10, 13
SECURITY LIGHT#15, 17	1	15	9		10	20	1	SECURITY LIGHT#11, 12
SPARE	1	20	11		12	15	1	CONTRACTOR COIL FOR PANEL ELF
BLANK			13		14			BLANK
BLANK			15		16			BLANK
BLANK			17		18			BLANK
BLANK			19		20			BLANK

EXISTING PANEL B-1018-A(REF 1A1)

VOLTAGE: 408/277V
3 PHASE-4 WIRE – 100 AMP BUS

MAIN BREAKER – 70 AMPS – BOTTOM FEED — LOCATION:1ST FLOOR CORRIDOR 1018 FLUSH

FUNCTION	BREAKER POLE	BREAKER AMP	CKT NO	BUS CONN	CKT NO	BREAKER AMP	BREAKER POLE	FUNCTION
LIGHTS 1011,1012,1013,1014	1	20	1	A B C	2	20	1	SPARE
LIGHTS 1008,1009,1010	1	20	3		4	20	1	SPARE
LIGHTS 1018/1019,1020	1	20	5		6	20	1	LIGHTS 1024,1025,1028,1030,1031,1031A
LIGHTS 1015,1016,1017	1	20	7		8	20	1	SPARE
LIGHTS 1007,1007A,1007B	1	20	9		10	20	1	SPARE
EF350	3	20	11		12	20	1	LIGHTS CORRIDOR 1002
			13		14	20	1	SPARE
			15		16	20	1	SPARE
			17		18	20	1	SPARE
			19		20	70	3	MAIN ROOM 1018
			21		22			
			23		24			
			25		26			
			27		28			
			29		30			

◇ NEW BRANCH CIRCUIT SHALL HAVE DEDICATED NEUTRAL AND GREEN GROUNDING CONDUCTOR. SHARE NEUTRALS AND GROUNDS ARE NOT ALLOWED.

8' 0 10' 20' 30' 40'
SCALE: 1/16" = 1'-0"

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
ATLANTA IMPLEMENTATION CENTER — **ATLANTA, GA**

ARTCC
ROOF REPLACEMENT
LIGHTNING PROTECTION &
PANELBOARD SCHEDULE – NEW

MEMPHIS — MEMPHIS CENTER — TN

REVIEWED BY
SUBMITTED BY: V. V. Ho — SR ENGR, ENROUTE PLATFORM
APPROVED BY — MGR PLATFORM OPS, ENROUTE
DESIGNED MH
DRAWN BH
CHECKED
ISSUED BY: NAS IMPLEMENTATION ANI-300
DATE 11/13/2006 JCN 622128
DRAWING NO ZME-D-622128-E02 REV

ISSUED FOR: CONSTRUCTION

$NAME$ $TIME$ $DATE$

EDM: zme-d-622128-e02.dgn

DRAWING PRODUCED ON ASO RO MICROSTATION SYSTEM