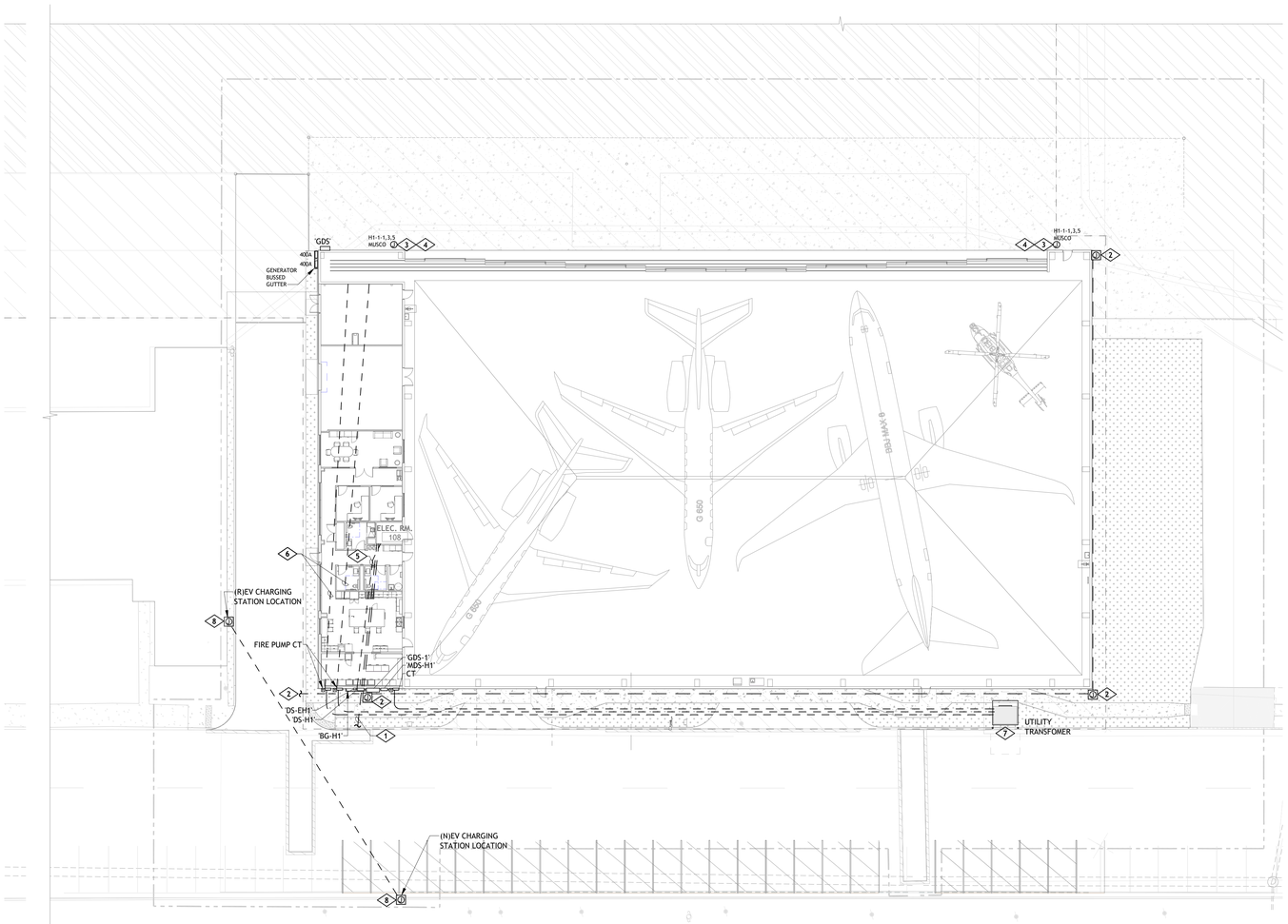

1 | ELECTRICAL SITE PLAN
E010 | 1" = 20'-0"

NORTH

SITE GENERAL NOTES

A.	ALL EXTERIOR LIGHTING CIRCUITS SHALL UTILIZE A MINIMUM OF WIRE SIZE #8AWG COPPER, UON.
B.	UNDERGROUND SITE LIGHTING BRANCH CIRCUITS INCLUDING THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE UPSIZED TO ACCOMMODATE VOLTAGE DROP PER NEC 250.122(B).

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
1	APPROXIMATE ANTICIPATED ROUTING OF LOW VOLTAGE CONDUIT SYSTEMS BETWEEN ELECTRICAL ROOM LOCATION AND SITE TELEPHONE AND CATV COMPANY UTILITY POLE LOCATIONS. PROVIDE UNDERGROUND CONDUIT PER LOW VOLTAGE RISER DIAGRAM A MINIMUM OF 30" BELOW GRADE, REFER TO DETAIL #2/E6601.
2	APPROXIMATE LOCATION OF EXISTING UNDERGROUND CCTV CONDUIT ROUTED TO EXISTING SIGNATURE TERMINAL IS LOCATED AT PLAN NORTHEAST CORNER OF BUILDING. PRIOR TO ANY DEMOLITION OR CONCRETE SLAB POUR, EC SHALL LOCATE EXACT CCTV ROUTING TO EXISTING SIGNATURE TERMINAL AND REVISE ROUTING UNDERGROUND TOWARDS 1ST STREET. PROVIDE TIER 22 IN-GRADE JUNCTION BOX AS NECESSARY, SIZED AS NECESSARY. ROUTING SHALL BE TO NEW HANGAR AND CONTINUE BACK TO EXISTING SIGNATURE TERMINAL. COORDINATE ALL REQUIREMENTS AND SCHEDULE OF REROUTING WITH SIGNATURE FLIGHT SUPPORT. REFER TO #2/E601 FOR ADDITIONAL INFORMATION.
3	PROVIDE 480V/3PH POWER CONNECTION TO APRON LIGHTING POLE. LIGHTING POLE SYSTEM, COMPONENTS INCLUDE, BUT ARE NOT LIMITED TO: CONCRETE BASE, POLE, ARMS, HEADS, DISTRIBUTION CENTER, WIRING, AND OVERCURRENT PROTECTION. EC SHALL PROVIDE FINAL WIRING CONNECTION AND COORDINATE INSTALLATION WITH GC. LIGHTING CONTROL PHOTOCELL/CONTACTOR SHALL BE PROVIDED BY MUSCO AND EC SHALL PROVIDE CONNECTION TO PHOTOCELL/CONTACTOR.
4	(1) FAA L-810 LISTED DUAL L810 RED OBSTRUCTION LIGHT SHALL BE INCLUDED ON EACH AIRSIDE LIGHT POLE. ALL OBSTRUCTION LIGHTS SHALL BE CONNECTED AND HAVE THEIR OWN 120V/1PH CIRCUIT ON PANEL L1-1 AND SHALL BE CONTINUOUSLY OPERATIONAL PER FAA REGULATION.
5	REFER TO ONE-LINE DIAGRAM AND ELECTRICAL POWER PLAN FOR UNDERGROUND FEEDER/CONDUIT REQUIREMENTS.
6	APPROXIMATE UNDERGROUND ROUTING OF FEEDERS TO FIRE PUMP CONTROLLER.
7	ANTICIPATED LOCATION OF BUILDING TRANSFORMER AND CONCRETE PAD. CENTRAL HUDSON GAS AND ELECTRIC (CHG&E) SHALL INSTALL UTILITY TRANSFORMER PURCHASED VIA CONTRACTOR AND STAKE TRENCH AND EQUIPMENT LOCATIONS. CONTRACTOR SHALL PERFORM ALL TRENCHING AND BACKFILLING WORK PER CHG&E DIRECTION ON THE PRIMARY AND SECONDARY SIDE OF THE TRANSFORMER. CONTRACTOR SHALL ALSO PROVIDE AND INSTALL CONDUIT AND EQUIPMENT PAD AS REQUIRED BY CHG&E. THE CONTRACTOR SHALL FURNISH AND INSTALL THE CONDUIT/CABLING ON THE SECONDARY SIDE OF THE TRANSFORMER. CHG&E SHALL MAKE ALL CONNECTIONS ON THE PRIMARY AND SECONDARY CABLING AT THE TRANSFORMER LANDINGS. ALL COSTS FOR WORK DESCRIBED ABOVE TO BE PERFORMED BY CHG&E SHALL BE BILLED TO THE PROJECT METER AND PAID BY THE OWNER.
8	EXISTING EV CHARGERS AT BANQUET BUILDING SHALL BE RELOCATED FROM EXISTING LOCATION TO NEW LOCATION SHOWN. CONTRACTOR SHALL REVIEW THE EXISTING CHARGER AND REQUIREMENTS, REMOVE THE EV CHARGER, EXTEND THE EXISTING FEED TO THE NEW LOCATION, PROVIDE APPROPRIATE PEDESTAL/BASE/STRUCTURE AND RE-INSTALL FIXTURE. PROVIDE TIER 22 IN-GRADE JUNCTION BOX AT REMOVED EV CHARGER LOCATION, SIZED AS NECESSARY. COORDINATE EXACT LOCATION OF NEW EV CHARGER WITH CIVIL DRAWINGS AND PANYNJ. TOTAL DISTANCE OF CIRCUIT EXTENSION SHALL BE VERIFIED WITH VOLTAGE DROP PRIOR TO ROUGH-IN. CONTRACTOR SHALL ACCOUNT FOR ANY VOLTAGE DROP OR PROVIDE CONDUCTOR SIZE, EV CHARGER INFORMATION WITH LOAD REQUIREMENTS, BREAKER FEEDING CIRCUIT, AND CIRCUIT DISTANCE FROM EXISTING BUILDING PANEL TO NEW EV LOCATION FOR ENGINEER TO VERIFY IF VOLTAGE DROP WILL REQUIRE UPSIZING OF CONDUCTORS. COORDINATE EXACT EV REQUIRMENTS, INCLUDE BASE REQUIREMENTS WITH MANUFACTURER'S INSTALLATION GUIDE.

HDg Architecture
127 W. FAIRBANKS AVENUE, SUITE 140
WINTER PARK, FL 32789
(PH): 407-739-9000

AE DESIGN
Integrated Lighting, Technology, and Electrical Solutions
1900 Wazee Street #205 | Denver, CO 80202 | 303.296.3034
aedesign-inc.com
Project #: 6468.00

SEAL

STATE OF NEW YORK
JEFFREY E. MULLIKIN
LICENSED PROFESSIONAL ENGINEER
083299
08/12/2024

REVISIONS

MARK	DESCRIPTION	DATE
3	BID RFI Responses	08/12/2024

Digitally signed by Jeffrey E Mullikin
DN: E=jmullikin@aedesign-inc.com, CN=Jeffrey E Mullikin, O=AE Design, SERIALNUMBER=ART-20240222093840, L=Denver, S=Colorado, C=US
Location: Denver, CO
Reason: I am approving this document
Contact Info: (303)296-3034
Date: 2024.08.12 09:51:53-06'00'

SIGNATURE STEWART (SWF)
HANGAR

1188 1ST STREET, NEW WINDSOR, NY 12553

SIGNATURE AVIATION

SIGNATURE FLIGHT SUPPORT
13485 Veteran's Way Suite 600
Orlando, FL 32827

ISSUE DATE: 06/12/24
COMM. NO.: 23715

DRAWN BY: TW, BYF CHECKED BY: BJJ

ELECTRICAL SITE PLAN

E010

100% PERMIT SET