TRIUMPHAL ARCH
WASHINGTON, DISTRICT OF COLUMBIA



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SITE LOCATION MAP



MEMORIAL CIRCLE
COLUMBIA ISLAND,
WASHINGTON, DISTRICT OF COLUMBIA

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LEE HOUSE PORTICO - NIGHT - AFTER	JEFFERSON MEMORIAL - BEFORE
ANC - TOMB OF THE UNKNOWN SOLDIER - UNCHANGED	JEFFERSON MEMORIAL - AFTER
ANC - TOMB OF THE UNKNOWN SOLDIER - NIGHT - UNCHANGED	JEFFERSON MEMORIAL - NIGHT - BEFORE
ANC - TOMB OF THE UNKNOWN SOLDIER - UNCHANGED	JEFFERSON MEMORIAL - NIGHT - BEFORE
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ANC - MEMORIAL AMPHITHEATER - UNCHANGED	MARTIN LUTHER KING JR. MEMORIAL - NIGHT - UNCHANGED
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NETHERLANDS CARILLON - BEFORE	WORLD WAR II MEMORIAL - NIGHT - UNCHANGED
NETHERLANDS CARILLON - AFTER	WASHINGTON MONUMENT - BEFORE
NETHERLANDS CARILLON - NIGHT BEFORE	WASHINGTON MONUMENT - AFTER
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MEMORIAL CIRCLE - NIGHT - AFTER	
LEE HOUSE PORTICO - AFTER	
LEE HOUSE PORTICO - NIGHT - BEFORE	

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WASHINGTON, DC

stamps

issue

date	06-05-2026
scale	NTS
drawn	JG, KA
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project no.	266206
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ASSUMPTIONS

- GROUP A–3, GROUP B, GROUP M, GROUP S–1
- HIGH RISE
- BUILDING HEIGHT <180FEET
- X2 STORIES + X2 MEZZANINES + OCCUPIED ROOF
- CONSTRUCTION TYPE TYPE IB REDUCED TO TYPE IIA
- NON SEPARATED MIXED USE
- FIRE SEPARATION DISTANCE >30FEET
- SPRINKLER PROTECTED
- STANDPIPES ONLY IN EXIT STAIRS
- VOICE FIRE ALARM
- PER NPS – 200PERSONS NORMAL, 450 PERSONS SPECIAL EVENT
- X2 EXIT STAIRS, PRESSURIZED, AT LEAST X1 DISCHARGE TO EXTERIOR
- ELEVATOR LOBBIES OR ELEVATORS PRESSURIZED
- FIRE SERVICE ELEVATORS WITH LOBBIES

APPLICABLE CODES

UNDER THE JURISDICTION OF THE NATIONAL PARK SERVICE, NEW BUILDINGS ARE REQUIRED TO COMPLY WITH THE PROVISIONS OF THE 2024 ICC FAMILY OF CODES. THE NPS ALSO REQUIRES COMPLIANCE WITH NFPA 101, LIFE SAFETY CODE, FOR ITEMS THE IBC DOES NOT ADDRESS.

THE FOLLOWING RELEVANT MODEL CODES AND STANDARDS HAVE BEEN ADOPTED BY THE NATIONAL PARK SERVICE:

- 2024 IBC, ICC INTERNATIONAL BUILDING CODE
- 2023 NEC/NFPA 70, NATIONAL ELECTRICAL CODE
- 2024 IMC, ICC INTERNATIONAL MECHANICAL CODE
- 2024 IECC, ICC INTERNATIONAL ENERGY CONSERVATION CODE
- 2024 IPC, ICC INTERNATIONAL PLUMBING CODE
- 2024 IFGC, ICC INTERNATIONAL FUEL GAS CODE
- 2024 IEBC, ICC INTERNATIONAL EXISTING BUILDING CODE
- 2024 IFC, ICC INTERNATIONAL FIRE CODE
- 2024 NFPA 101, THE LIFE SAFETY CODE (ONLY APPLICABLE WHEN THE IBC IS SILENT)
- 2022 NFPA 10, STANDARD FOR PORTABLE FIRE EXTINGUISHERS
- 2022 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLERS
- 2024 NFPA 14, STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS
- 2022 NFPA 20, STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
- 2022 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
- 2022 NFPA 110, STANDARD FOR EMERGENCY AND STANDBY POWER SYSTEMS

OCCUPANCY CLASSIFICATION

§303.4 GROUP A–3
§304.1 GROUP B
§309.1 GROUP M
§311.2 GROUP S–1

NOTE : PRIMARY OCCUPANCY CLASSIFICATIONS GROUP A–3 AND GROUP M. THE OTHER SPACES ARE ANTICIPATED TO BE ACCESSORY OCCUPANCIES IN ACCORDANCE WITH IBC §508.2.

SPECIAL USE - HIGH RISE

§403.2.1.1(2) ALLOWS THE CONSTRUCTION TO BE REDUCED FROM TYPE IB TO TYPE 1IA WITH A NOTABLE EXCEPTION; THE FIRE RESISTANCE RATING FOR COLUMNS SUPPORTING FLOORS SHALL NOT BE REDUCED. TO UTILIZE THE REDUCTION, SPRINKLER CONTROL VALVES EQUIPPED WITH SUPERVISORY INITIATING DEVICES AND WATER–FLOW INITIATING DEVICES FOR EACH FLOOR.
§403.2.2 – FOR RISK CATEGORY III BUILDINGS INTERIOR EXIT STAIRWAYS AND ELEVATOR ENCLOSURES SHALL BE IMPACT RESISTANT IN ACCORDANCE WITH THIS SECTION.
§403.3 – AUTOMATIC SPRINKLERS THROUGHOUT
  §403.3.2 – ONE CONNECTION TO WATER SUPPLY
  §403.3.3 – SECOND WATER SUPPLY FOR SEISMIC DESIGN CATEGORY C, D, E OR F
§403.4 – EMERGENCY SYSTEMS
  §403.4.1 – LIMITED SMOKE DETECTION
  §403.4.2 – AUTOMATIC FIRE ALARM SYSTEM THROUGHOUT
  §403.4.3 – STANDPIPE SYSTEM THROUGHOUT
  §403.4.4 – VOICE FIRE ALARM COMMUNICATION SYSTEM REQUIRED
  §403.4.5, §918 – TWO–WAY EMERGENCY RESPONDER RADIO COVERAGE
  §403.4.6 – FIRE COMMAND CENTER REQUIRED
  §403.4.7 – POST FIRE SMOKE REMOVAL VENTILATION SYSTEM
  §403.4.8 – STANDBY AND EMERGENCY POWER
    §403.4.8.1 – STANDBY AND EMERGENCY POWER, THE GENERATOR SET AND EMERGENCY POWER SYSTEM SHALL BE INCLUDED IN 2HOUR FIRE RATED CONSTRUCTION
    §403.4.8.2 – FUEL PIPING ROUTED IN THE BUILDING SHALL BE ENCLOSED IN 1HOUR FIRE RATED CONSTRUCTION
    §403.4.8.3 – STANDBY POWER FOR VENTILATION AND DETECTION EQUIPMENT FOR SMOKEPROOF ENCLOSURES (STAIR PRESSURIZATION), ELEVATORS, AND FIRE SERVICE ACCESS ELEVATORS
    §403.4.8.4 – EMERGENCY POWER FOR EXIT SIGNS, MEANS OF EGRESS ILLUMINATION, ELEVATOR CAR LIGHTING, FIRE ALARM, ELECTRIC FIRE PUMPS, ELEVATOR CAR LIGHTING, EMERGENCY VOICE ALARM/COMMUNICATION SYSTEM, FIRE PUMP, POWER AND LIGHTING FOR THE FIRE COMMAND CENTER
§403.5.1 – EXIT STAIRWAYS SHALL BE GREATER THAN 30FEET APART
§403.5.3 – EXIT STAIRWAY DOORS MAY BE LOCKED AGAINST REENTRY PROVIDED THE DOORS CAN BE UNLOCKED FROM THE FIRE COMMAND CENTER AND TWO WAY COMMUNICATION TO A CONSTANTLY ATTENDED LOCATION IS PROVIDED FROM WITHIN THE STAIR
§403.5.4 – EXIT STAIRS SHALL BE SMOKE PROOF EXIT ENCLOSURES
§403.5.5 – EXIT STAIRS SHALL BE MARKED WITH LUMINOUS MARKINGS
§403.6 – FIRE SERVICE ACCESS ELEVATORS ARE REQUIRED. FIRE SERVICE ACCESS ELEVATORS SHALL BE PROVIDED WITH THE FEATURES SPECIFIED IN IBC §3007, INCLUDING ELEVATOR LOBBIES CONSTRUCTED WITH A MINIMUM OF 1HR SMOKE BARRIERS. AN ENCLOSED LOBBY IS NOT REQUIRED AT THE LEVEL OF EXIT DISCHARGE.
  §403.6.1 – TWO FIRE SERVICE ACCESS ELEVATORS ARE REQUIRED TO SERVE ALL FLOORS

GENERAL BUILDING HEIGHTS AND AREAS

§502.1 – PREMISES ADDRESS IDENTIFICATION IS REQUIRED. ADDRESS NUMBERS SHALL BE ARABIC NUMBERS OR ALPHABETICAL LETTERS. NUMBERS SHALL NOT BE SPELLED OUT.
TABLE 504.3 – HEIGHT IN FEET
  180FEET – TYPE 1B
TABLE 504.4 – HEIGHT IN STORIES
  12STORIES – TYPE 1B
TABLE 506.2 – AREA
  UNLIMITED AREA

ACTUAL BUILDING HEIGHT – 166FEET
ACTUAL NUMBER OF STORIES – 2 PLUS OCCUPIED ROOF AND 2 MEZZANINES

MEZZANINE

§505.2.1 – EACH MEZZANINE SHALL BE <50% OF THE FLOOR AREA BELOW
§505.2.3 – IN GENERAL MEZZANINES SHALL BE OPEN

OCCUPANCY SEPARATION

§508.2 – ACCESSORY OCCUPANCIES
  §508.2.2 – <10% OF THE FLOOR AREA
§508.3 – NON–SEPARATED MIXED USE

FIRE RESISTANCE BASED ON CONSTRUCTION TYPE

TABLE 601 AND §403.2.1.1 – TYPE IB REDUCED TO TYPE IIA
  STRUCTURAL FRAME: 1 HOUR
  EXTERIOR AND INTERIOR BEARING WALLS: 1 HOUR
  INTERIOR NONBEARING WALLS AND PARTITIONS: 0 HOUR
  EXTERIOR NONBEARING WALLS AND PARTITIONS: 0 HOURS, FIRE SEPARATION DISTANCE > 30 FEET
  FLOOR CONSTRUCTION AND SECONDARY MEMBERS: 1 HOUR
  ROOF CONSTRUCTION AND SECONDARY MEMBERS: 1 HOUR

FIRE AND SMOKE PROTECTION FEATURES

§703.5 – PERMANENT MARKING AND IDENTIFICATION OF ACCESSIBLE CONCEALED FIRE RATED OR SMOKE PROTECTED CONSTRUCTION
§704.1 – FIRE RESISTANCE OF STRUCTURAL MEMBERS SHALL BE PER TABLE 601 – TYPE IB REDUCED TO TYPE IIA
§705.1 – FIRE RESISTANCE OF EXTERIOR WALLS SHALL BE PER TABLE 601 AND TABLE 705.5 – FIRE SEPARATION DISTANCE >30FEET
  BEARING EXTERIOR WALLS – 1HOUR FIRE RESISTANCE
  NON – BEARING EXTERIOR WALLS – 1HOUR FIRE RESISTANCE
§707.3 – FIRE BARRIER – SHAFTS AND EXIT STAIR ENCLOSURES SHALL BE BUILT AS FIRE BARRIERS. SEE §713.4
§707.5 – FIRE BARRIERS SHALL BE CONTINUOUS THROUGH CONCEALED SPACES
§707.6 – OPENING IN FIRE BARRIERS SHALL BE PROTECTED WITH OPENING PROTECTIVES
§707.7 – PENETRATIONS IN FIRE BARRIERS SHALL BE PROTECTED WITH PENETRATION PROTECTIVES
§707.10 – DUCT PENETRATIONS IN FIRE BARRIERS SHALL BE PROTECTED
§708.1 – FIRE PARTITIONS SHALL BE USED FOR ELEVATOR LOBBIES
§708.4 – FIRE PARTITIONS SHALL BE CONTINUOUS TO A FIRE RATED ASSEMBLY
§708.6 – OPENING IN FIRE PARTITIONS SHALL BE PROTECTED WITH OPENING PROTECTIVES
§708.7 – PENETRATIONS IN FIRE PARTITIONS SHALL BE PROTECTED WITH PENETRATION PROTECTIVES
§712.1 – OPENINGS IN FLOORS SHALL BE PROTECTED BY SHAFTS
  §712.1.9 – TWO–STORY OPENING MAY BE ALLOWED WITH LIMITATIONS
  §712.1.12 – EXIT ACCESS STAIR FLOOR OPENINGS ARE PERMITTED PER §1019
§713.4 – SHAFTS
  <4 STORIES 1HOUR FIRE RESISTANCE
  >4 STORIES 2HOUR FIRE RESISTANCE
§713.5 – SHAFTS SHALL BE CONTINUOUS TO FIRE RATED CONSTRUCTION
§713.7 – OPENING IN SHAFTS SHALL BE PROTECTED WITH OPENING PROTECTIVES
§713.8 – PENETRATIONS IN SHAFTS SHALL BE PROTECTED WITH PENETRATION PROTECTIVES
§713.10 – DUCT PENETRATIONS IN SHAFTS SHALL BE PROTECTED
§715.4 – VOIDS AT INTERSECTION OF EXTERIOR CURTAIN WALL AND FIRE RATED FLOOR SHALL BE PROTECTED BY A LISTED ASSEMBLY
§716.6 – OPENING PROTECTIVES (DOORS/ACCESS PANELS) INCLUDE A 90MINUTE RATING WHEN IN 2HOUR FIRE RATED ASSEMBLIES

INTERIOR FINISH WALLS AND CEILING, INTERIOR FLOORS, DECORATIVE MATERIALS, TRIM

TABLE 803.13 INTERIOR WALL AND CEILING FINISH RATING
  EXIT ENCLOSURES – CLASS B
  CORRIDORS – CLASS B
  ROOMS & ENCLOSED SPACES – CLASS C
§804.1 – INTERIOR FLOOR FINISH SHALL – CLASS II
§805.1.1 – UNDER FLOOR SLEEPERS AND SIMILAR ELEMENTS SHALL BE NON COMBUSTIBLE OR THE SPACE SHALL BE FIRE BLOCKED OR FILLED WITH A NON COMBUSTIBLE MATERIAL
§806.2 – DECORATIVE MATERIALS – FABRIC HANGINGS SHALL NOT EXCEED 10% OF THE WALL AREA
§806.6 – TRIM OTHER THAN FOAM PLASTICS SHALL HAVE AT LEAST A CLASS C RATING AND SHALL NOT EXCEED 10% OF WALL AREA

FIRE PROTECTION AND LIFE SAFETY SYSTEMS

§901.6 – FIRE ALARM AND SPRINKLER SYSTEMS WILL BE MONITORED BY AN APPROVED SUPERVISING STATION. A SUPERVISING STATION IS AN APPROVED CONSTANTLY ATTENDED LOCATION (§202)
§903.2.1.3 – A SPRINKLER SYSTEM IS REQUIRED
§905.3.1 – CLASS I STANDPIPES (FIRE DEPARTMENT USE). SUPPLIED BY THE FIRE PUMP AS NFPA 14
§906.1 – PORTABLE FIRE EXTINGUISHERS THROUGHOUT SPACING AND SIZE PER NFPA 10
§907.2.1 – A VOICE FIRE ALARM. PUBLIC PULL STATIONS ARE NOT REQUIRED
  §907.2.13.1 – SMOKE DETECTION IN ELEVATOR MACHINE ROOMS, ELEVATOR LOBBIES, RETURN/EXHAUST AIR SYSTEMS LARGER THAN 2000CFM, AND AT EACH CONNECTION TO A RETURN AIR VERTICAL DUCT OR PLENUM RISER SERVING TWO OR MORE STORIES
  §907.2.13.3 – MULTIPLE CHANNEL VOICE EVACUATION SHALL BE PROVIDED
§909.20.4 – SMOKE PROOF ENCLOSURE VIA STAIR PRESSURIZATION
§911.1 – A FIRE COMMAND CENTER WILL BE PROVIDED WITH THE FEATURES SPECIFIED IN §911.1.6. THE ROOM SHALL BE NOT LESS THAN 200FT^2 WITH A MINIMUM DIMENSION OF 10FEET. THE LOCATION AND ACCESSIBILITY SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
912.1 – FIRE DEPARTMENT CONNECTIONS WILL INSTALLED IN ACCORDANCE WITH NFPA 13 & 14. NFPA 14 §10.7.2.2 REQUIRES AT LEAST TWO REMOTELY LOCATED FIRE DEPARTMENT CONNECTIONS.
§913 – FIRE PUMP ROOM SEPARATED FROM ALL OTHER AREAS OF THE BUILDING BY 2–HOUR FIRE BARRIERS. FIRE PUMP ROOMS WILL TO BE INSTALLED AND PROTECTED IN ACCORDANCE WITH NFPA 20, INCLUDING PROTECTED ACCESS BY THE FIRE DEPARTMENT.
  NFPA 20 §4.14.2 REQUIRES THE FIRE PUMP ROOM TO BE ACCESSIBLE FROM AN ENCLOSED STAIRWAY THROUGH AN ENCLOSED PASSAGEWAY WITH A FIRE RESISTANCE RATING NOT LESS THAN THAT OF THE FIRE PUMP ROOM.
  NFPA 20 §4.14.1.1.5 & 4.14.1.1.6 REQUIRE FIRE PUMP ROOMS TO BE FREE FROM STORAGE, EQUIPMENT, AND PENETRATIONS NOT ESSENTIAL TO THE OPERATION OF THE PUMP AND RELATED COMPONENTS, WITH THE EXCEPTION OF DOMESTIC WATER DISTRIBUTION EQUIPMENT. ITEMS THAT WOULD CREATE AN ADDITIONAL HAZARD, SUCH AS FUEL–FIRED WATER HEATERS, SHOULD NOT BE INSTALLED INSIDE THE PUMP ROOM.
§914 2 – FIRE AND MECHANICAL EQUIPMENT ROOMS SHALL BE LABELED
§915.1 – CARBON MONOXIDE DETECTION IS REQUIRED IF FUEL BURNING APPLIANCES ARE USED
§918.1 – IN–BUILDING TWO–WAY EMERGENCY RESPONDER SYSTEMS SHALL BE INSTALLED

MEANS OF EGRESS

OCCUPANT LOAD (IF CALCULATED)
  TABLE 1004.5 – OCCUPANT LOAD
    ASSEMBLY (UNCONCENTRATED) 15NET
    ASSEMBLY (CHAIRS ONLY) 7NET
    ASSEMBLY (STANDING) 5NET
    BUSINESS (UNCONCENTRATED) 150GROSS
    MERCANTILE 60GROSS
    STORAGE, MECHANICAL AREAS 300GROSS
  §1004.7 – OCCUPANT LOAD OF 'OCCUPIABLE ROOFS' SHALL BE ASSIGNED BY THE CODE OFFICIAL

OCCUPANT LOAD (PER NPS)
  NORMAL OPERATION 200PERSONS
  SPECIAL EVENTS 450PERSONS

MEANS OF EGRESS SIZING AND NUMBER OF EXITS
  §1005.3.1 – STAIR CAPACITY SHALL BE BASED ON .2INCHES/PERSON
  §1005.3.2 – CAPACITY OF OTHER ELEMENTS SHA BE BASED ON .15INCHES/PERSON
  TABLE 1006.2.1 – COMMON PATH OF TRAVEL
    GROUP A, AND M SPACES 75FEET
    GROUP B, AND S–2 SPACES 100FEET
  §1006.3.3 – MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD <500PERSONS MINIMUM 2EXITS

ACCESSIBLE MEANS OF EGRESS
  §1009.1 – 2 ACCESSIBLE MEANS OF EGRESS ARE REQUIRED
  §1009.2.1 – AN ELEVATOR IS REQUIRED TO BE ONE OF THE ACCESSIBLE MEANS OF EGRESS
  §1009.3.2 – EXCEPTION 1 – A 44INCH WIDE STAIR CAN BE AN ACCESSIBLE MEANS OF EGRESS
  §1009.3.3 – EXCEPTION 2 – AN AREA OF REFUGE IS NOT REQUIRED
  §1009.8 – TWO–WAY COMMUNICATIONS IS REQUIRED AT EACH ELEVATOR BANK ON ACCESSIBLE FLOORS

DOORS, EXIT ACCESS, TRAVEL DISTANCE
  §1010.1.2.1 – DOOR SWING – DOORS SERVING >49PERSONS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL
  §1010.2.8 – PANIC OR FIRE EXIT HARDWARE – PANIC HARDWARE IS REQUIRED IN THE MEANS OF EGRESS FROM ASSEMBLY OCCUPANCIES WITH OCCUPANT LOADS 50PERSONS OR MORE
  §1011.9 – CURVED STAIRWAYS AND TREADS SHALL COMPLY WITH THIS SECTION
  §1016.2 – EXIT ACCESS – ACCESS TO NOT LESS THAN ONE OF THE REQUIRED EXITS SHALL BE PROVIDED WITHOUT TRAVEL THROUGH AN ENCLOSED ELEVATOR LOBBY

  TABLE 1017.2 – EXIT ACCESS TRAVEL DISTANCE
    GROUP A 250FEET
    GROUP B 300FEET
    GROUP M 250FEET
    GROUP S–1 250FEET

EXIT ACCESS STAIRWAYS, CORRIDORS, INTERIOR EXIT STAIRWAYS
  §1019.3 – EXIT ACCESS STAIRWAYS CAN BE UNENCLOSED FOR UP TO 4 STORIES
  TABLE 1020.2 – CORRIDOR FIRE – RESISTANCE RATING
    GROUP A, B, S & M 0 HOUR WITH SPRINKLER SYSTEM
  §1020.3 – CORRIDOR WIDTH – MINIMUM 44INCHES IS REQUIRED.
  §1020.5 – DEAD ENDS – IN GROUP A 20FEET. IN GROUP B, M AND S SPACES THE LIMIT IS INCREASED TO 50FEET.
  §1020.6 – AIR MOVEMENT IN CORRIDORS – CORRIDORS SHALL NOT BE USED AS AIR DUCTS.
  §1023.2 – EXIT ENCLOSURES – 2HOUR FIRE RESISTANCE RATING FOR ENCLOSURES EXTENDING 4 OR MORE STORIES
  §1023.9 – FLOOR IDENTIFICATION SIGNS ARE REQUIRED IN EACH STAIR
  §1025.1 – LUMINOUS EGRESS PATH MARKING SERVING GROUPS A, B, AND M IN HIGH–RISE BUILDINGS

EXIT DISCHARGE
  §1028.2 – THE MINIMUM WIDTH OR REQUIRED CAPACITY OF THE EXIT DISCHARGE SHALL NOT BE LESS THAN THE MINIMUM WIDTH OR REQUIRED CAPACITY OF THE EXITS BEING SERVED.
  §1028.2 – NO MORE THAN 50% OF THE NUMBER OF EXITS MAY DISCHARGE THROUGH THE LEVEL OF EXIT DISCHARGE.
  §1028.5 – EXIT DISCHARGES SHALL PROVIDE A DIRECT AND UNOBSTRUCTED ACCESS TO THE PUBLIC WAY.

ELECTRICAL

§2702.1.5 – HOUR DURATION REQUIRED FOR EMERGENCY AND STANDBY POWER
§2702.2.2 – STANDBY POWER FOR ELEVATOR OPERATIONS
§2702.2.3 – STANDBY POWER FOR EMERGENCY RESPONDER RADIO COVERAGE SYSTEMS (NFPA 1221 §9.6.12.2 REQUIRES THE RADIO SYSTEM BATTERY AND/OR GENERATOR TO PROVIDE AT LEAST 12HOURS COMBINED OPERATING CAPACITY AT 100PERCENT RADIO SYSTEM OPERATIONAL LOAD)
§2702.2.4 – STANDBY POWER SHALL BE PROVIDED FOR EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM IN ACCORDANCE WITH NFPA 72
§2702.2.17 – STANDBY POWER SHALL BE PROVIDED FOR SMOKE CONTROL SYSTEMS
ALSO SEE §403.4.8 FOR ADDITIONAL EMERGENCY AND STAND BY POWER LOADS
§2702.3 – CRITICAL CIRCUITS SHALL BE PROTECTED IN ACCORDANCE WITH THIS SECTION

ELEVATORS

GENERAL
§3006.2 – HOISTWAYS SHALL BE PROTECTED PER §3006.3 EXCEPT ON THE GROUND FLOOR
§3006.3 – HOISTWAY PROTECTION SHALL BE PROVIDED IN ONE OF THE FOLLOWING WAYS
  §3006.3.(1) – ENCLOSED LOBBY CONSTRUCTED OF FIRE PARTITIONS
  §3006.3.(2) – ENCLOSED LOBBY CONSTRUCTED OF SMOKE PARTITIONS
  §3006.3.(3) – ADDITIONAL DOOR OVER THE SHAFT DOOR LISTED AS A DRAFT AND SMOKE CONTROL DOOR
  §3006.3.(4) – PRESSURIZED SHAFT
  §3006.3.(5) – SMOKE PROTECTIVE CURTAIN OVER THE SHAFT DOOR LISTED FOR SUCH USE

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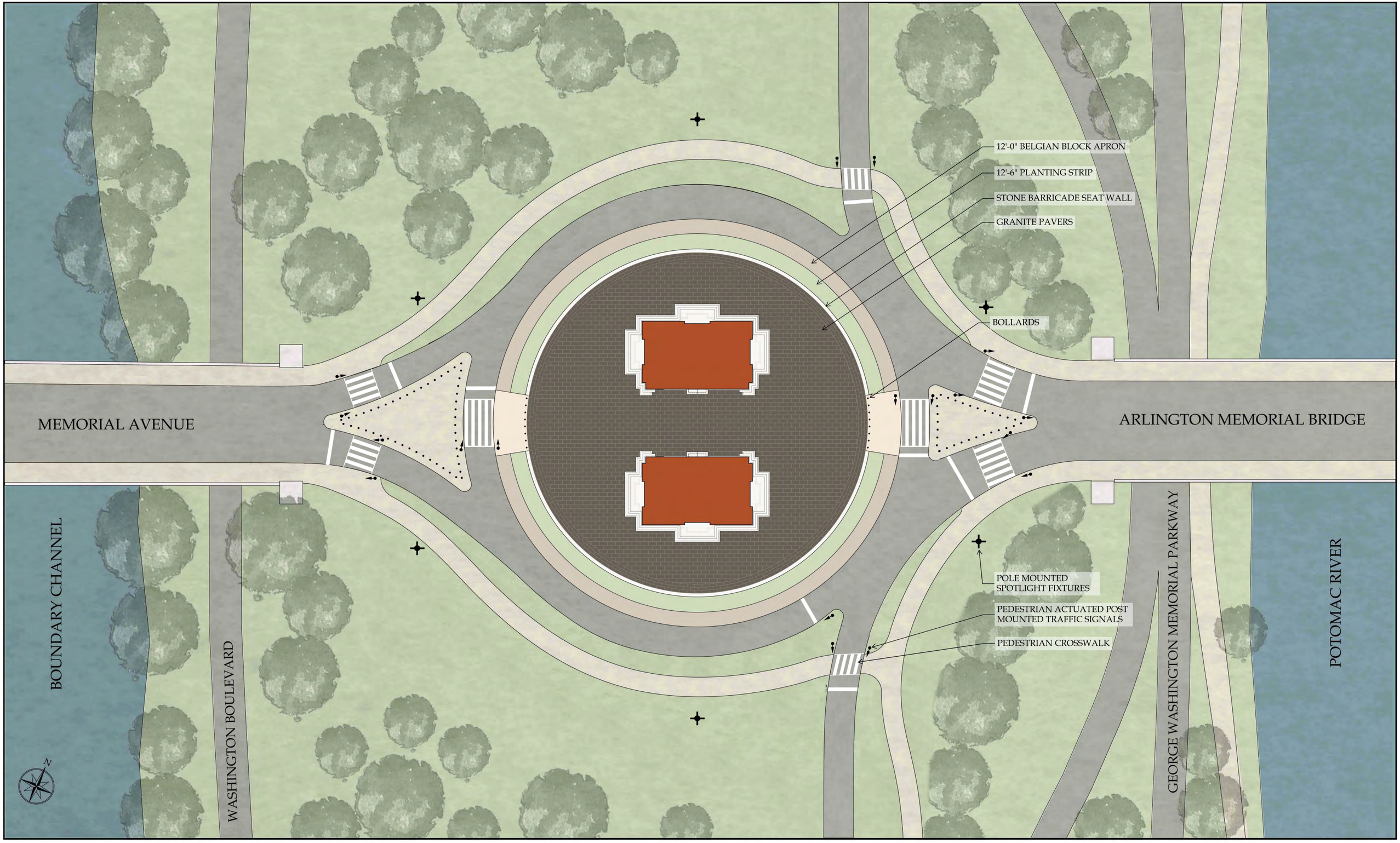
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stamps

issue

date 06-05-2026
scale NTS
drawn JG, KA checked NC
project no. 266206
title NOTES
sheet number A-1.10



SCALE: 1/32" = 1'-0"

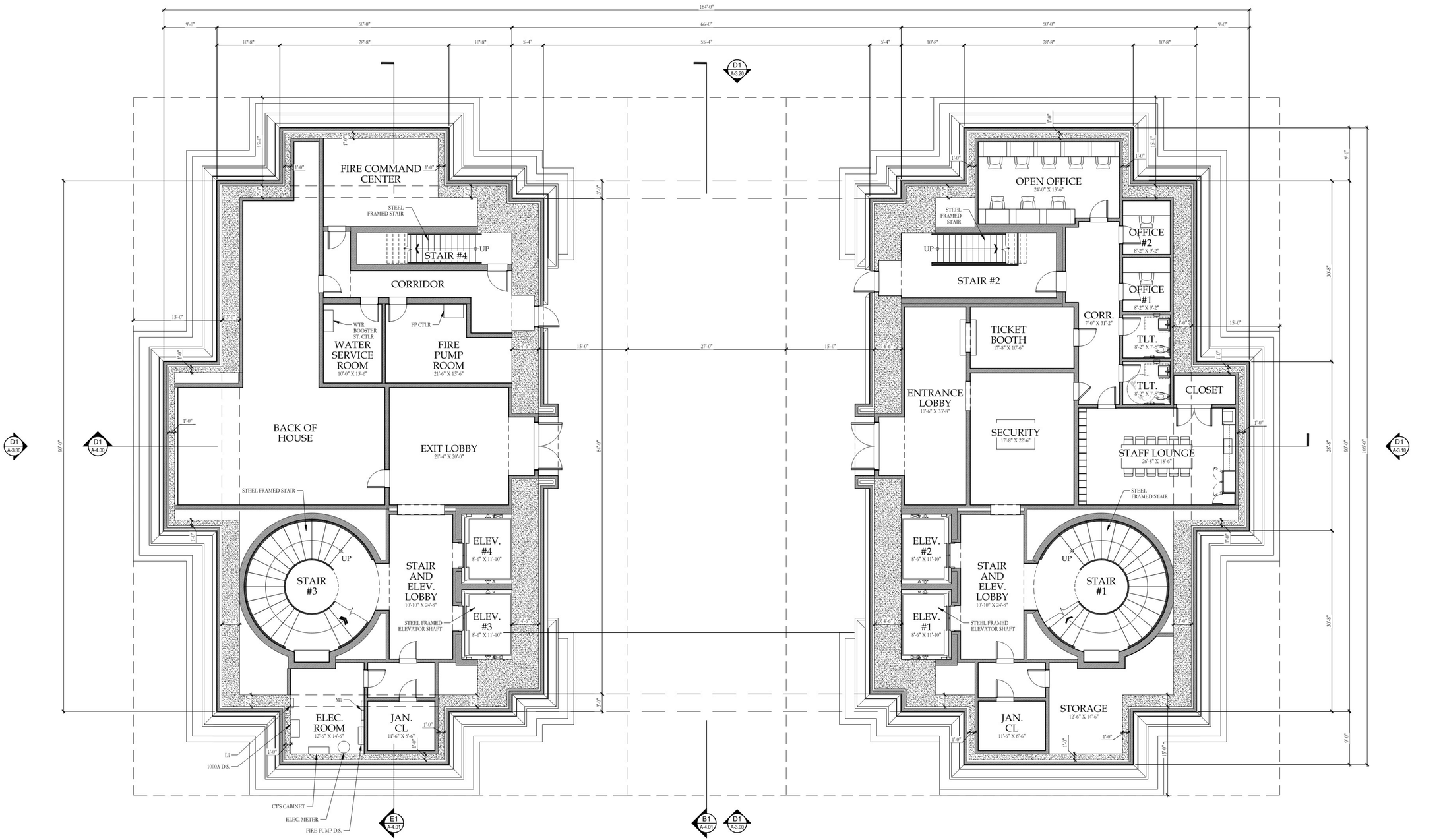
0 10' 20' 40' 80'

AUGUST 14, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

ENLARGED SITE PLAN

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B1 A-2.00 GROUND LEVEL FLOOR PLAN
SCALE: 1/8" = 1'=0"

N

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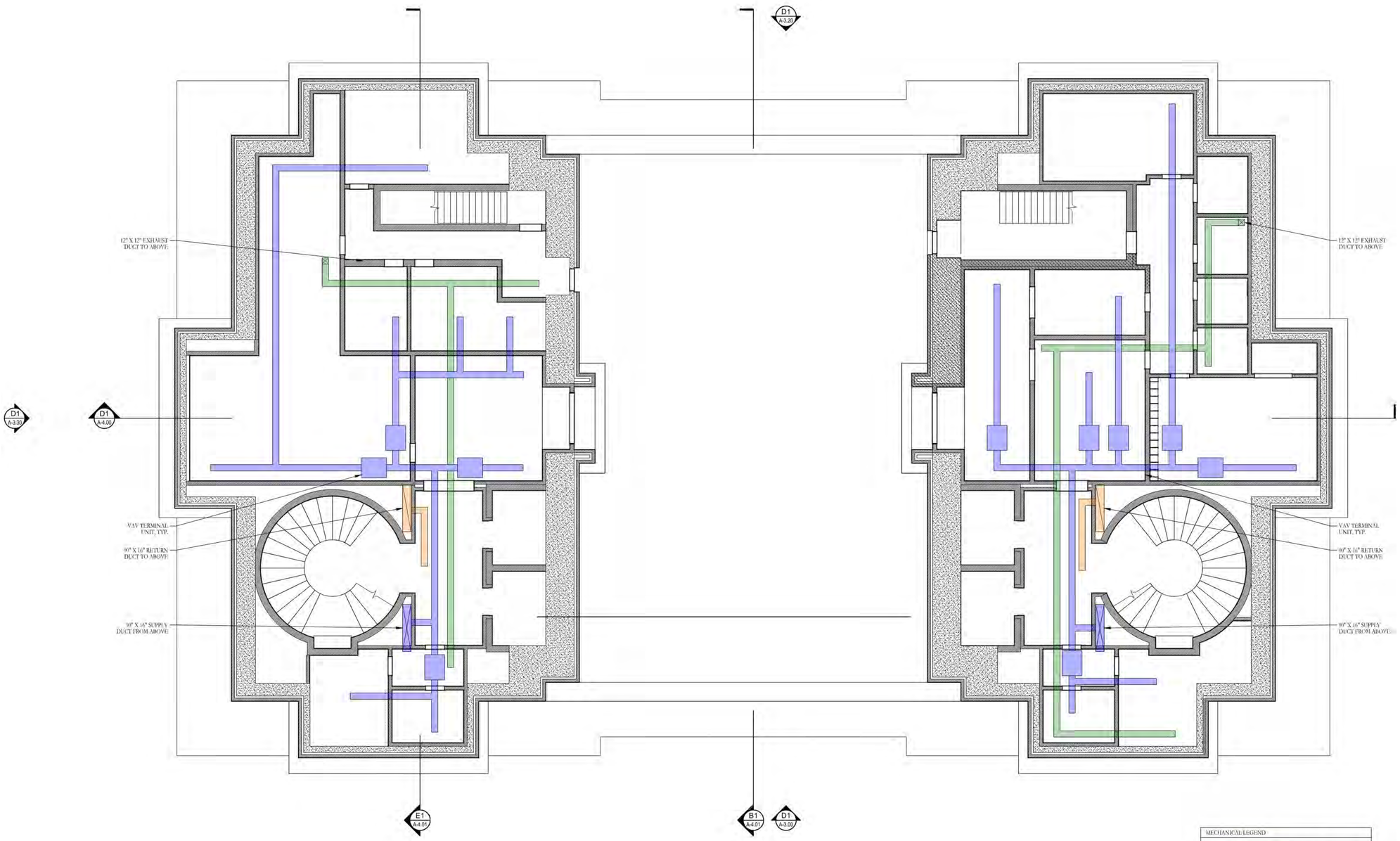
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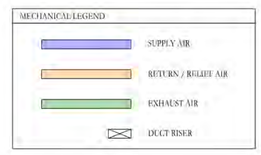
TRIUMPHAL ARCH - WASHINGTON, DC
WASHINGTON, DC

stamps

issue

date	06-05-2026
scale	1/8" = 1'-0"
drawn	JG, KA
checked	NC
project no.	266206
title	GROUND LEVEL FLOOR PLAN
sheet number	A-2.00





B1 / A-2.00 GROUND LEVEL REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

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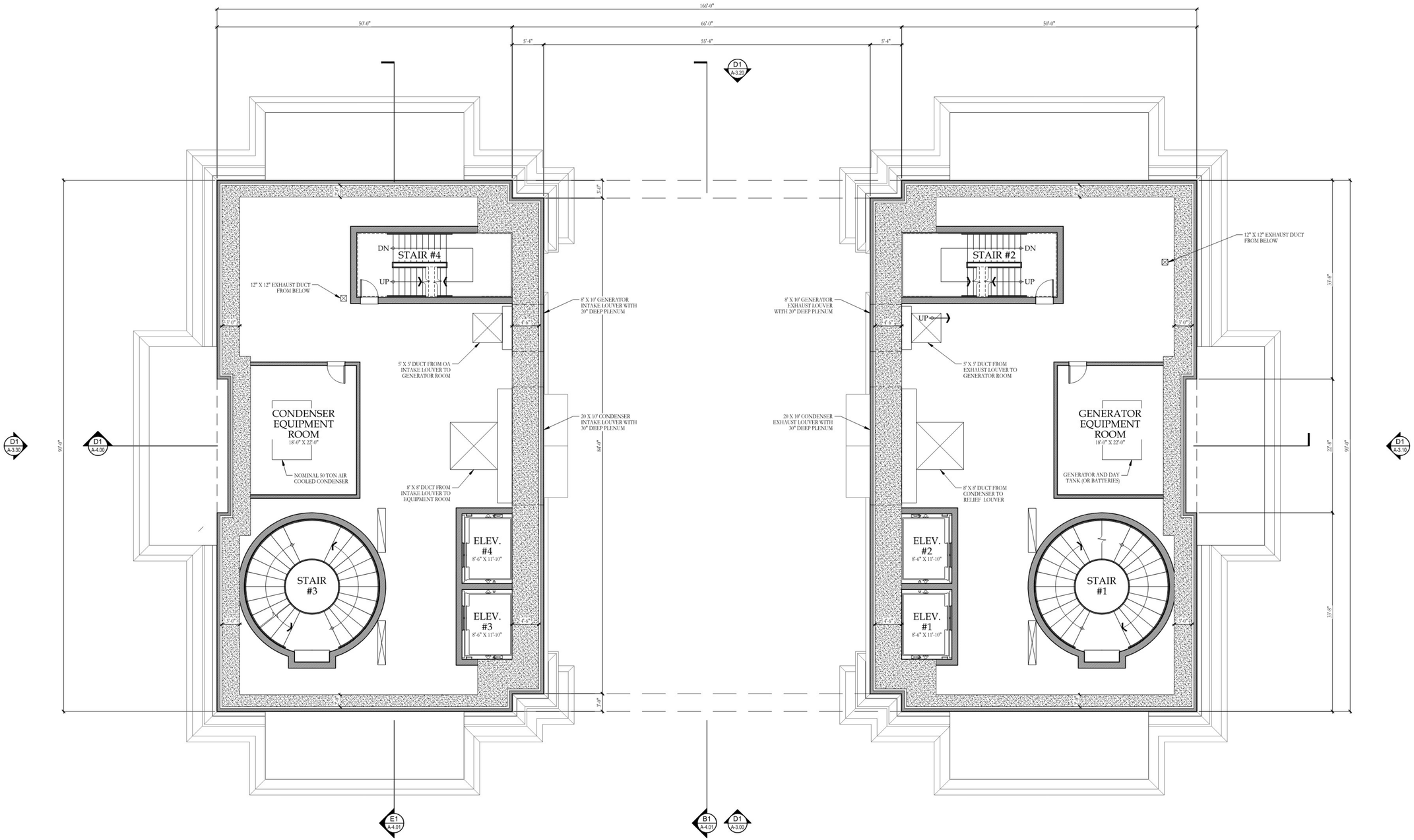
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WASHINGTON, DC

stamps

issue

date 06-05-2026
scale 1/8" = 1'-0"
drawn JG, KA checked NC
project no. 266206
title GROUND LEVEL MECHANICAL REFLECTED CEILING PLAN
sheet number A-2.01



B1
A-2.10
MECHANICAL LEVEL FLOOR PLAN
SCALE: 1/8" = 1'-0"

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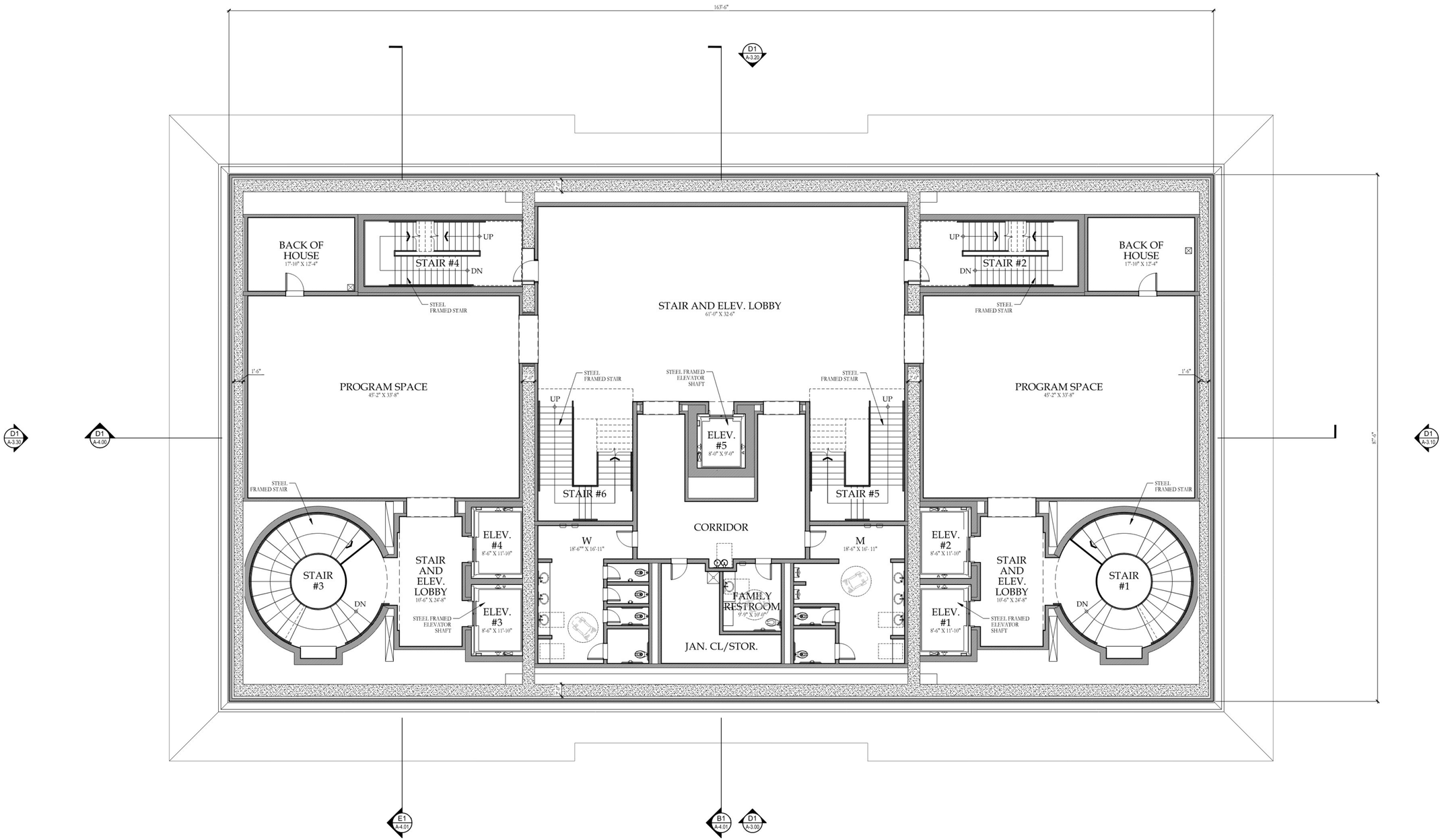
TRIUMPHAL ARCH - WASHINGTON, DC

WASHINGTON, DC

stamps

issue

date	06-05-2026
scale	1/8" = 1'-0"
drawn	JG, KA
checked	NC
project no.	266206
title	LOWER MEZZANINE FLOOR PLAN
sheet number	A-2.10



B1 / A-2.20 GALLERY LEVEL FLOOR PLAN
SCALE: 1/8" = 1'=0"

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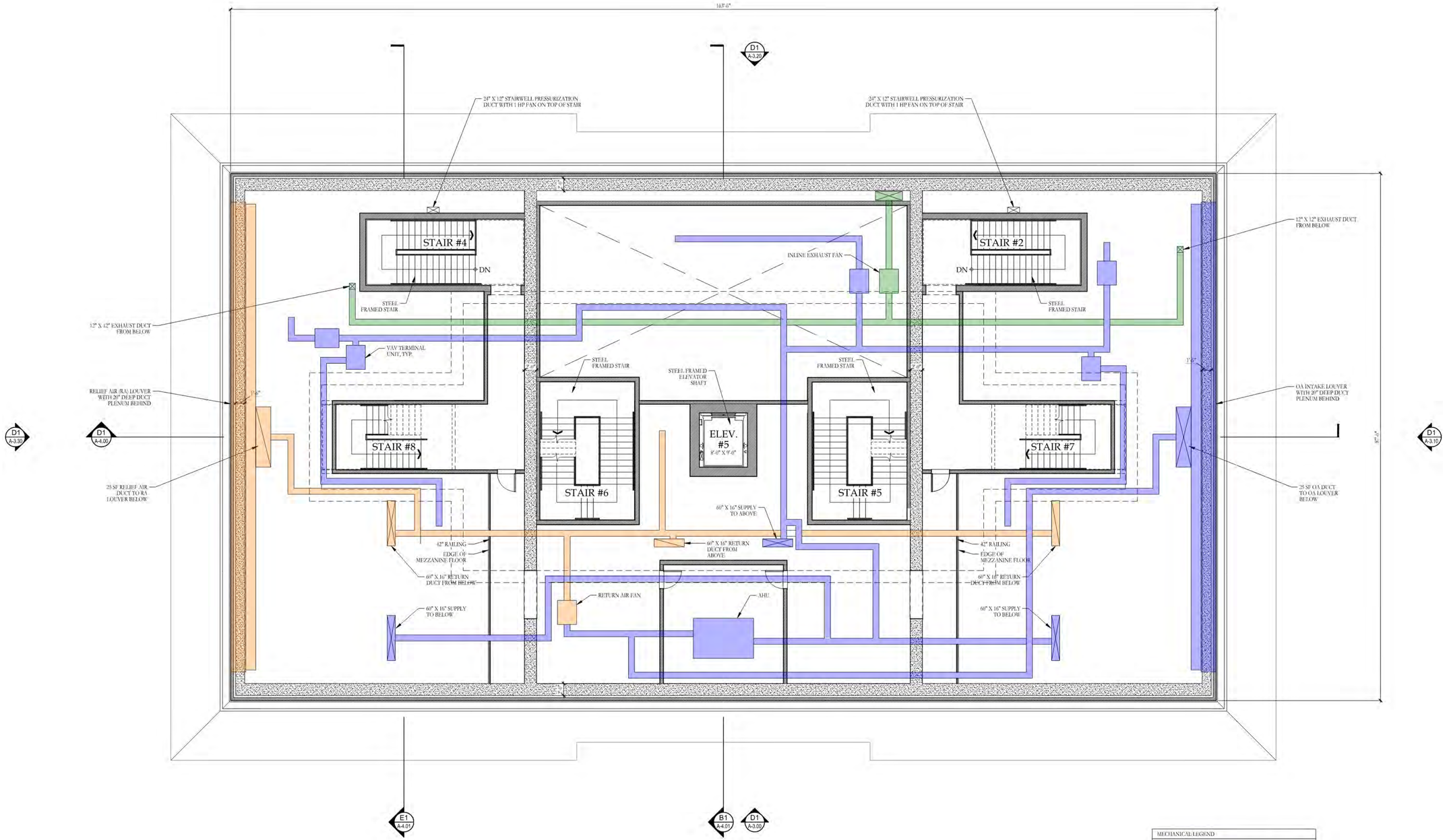
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stamps

issue

date	06-05-2026
scale	1/8" = 1'-0"
drawn	JG, KA
checked	NC
project no.	266206
title	GALLERY LEVEL FLOOR PLAN
sheet number	A-2.20



MECHANICAL LEGEND

- SUPPLY AIR
- RETURN / RELIEF AIR
- EXHAUST AIR
- DUCT RISER

B1 A-2.30 MEZZANINE FLOOR PLAN
SCALE: 1/8" = 1'-0"

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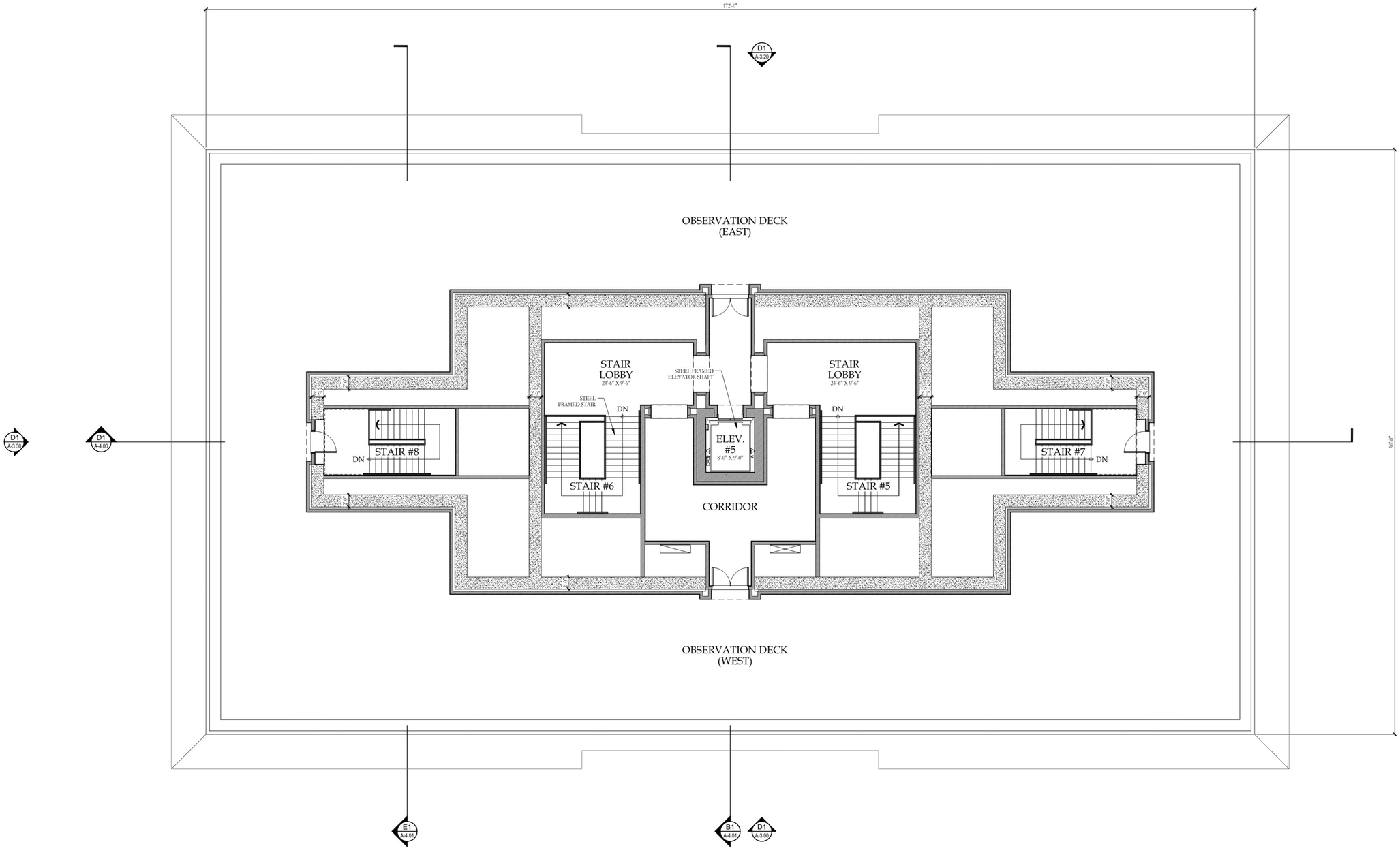
TRIUMPHAL ARCH - WASHINGTON, DC

WASHINGTON, DC

stamps

issue

date 06-05-2026
scale 1/8" = 1'-0"
drawn JG, KA checked NC
project no. 266206
title UPPER MEZZANINE FLOOR PLAN
sheet number A-2.30



B1 / A-2.40 OBSERVATION DECK LEVEL FLOOR PLAN
SCALE: 1/8" = 1'=0"

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stamps

issue

date 06-05-2026

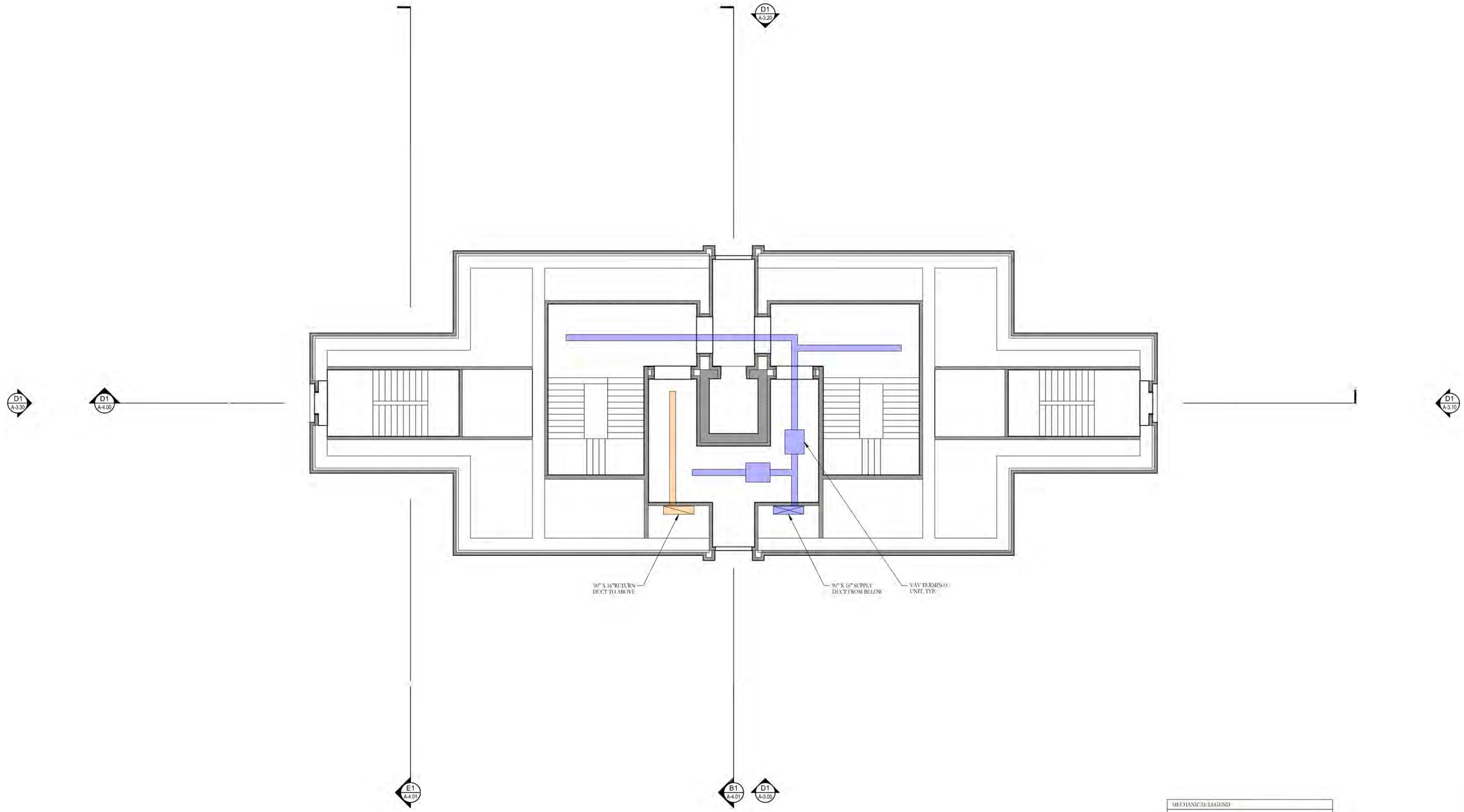
scale 1/8" = 1'-0"

drawn JG, KA checked NC

project no. 266206

title OBSERVATION DECK LEVEL FLOOR PLAN

sheet number A-2.40



MECHANICAL LEGEND

- SUPPLY AIR
- RETURN / RELIEF AIR
- EXHAUST AIR
- DUCT RISER

B1 / A-2.41 OBSERVATION DECK LEVEL REFLECTED CEILING PLAN

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

N

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stamps

issue

date 06-05-2026

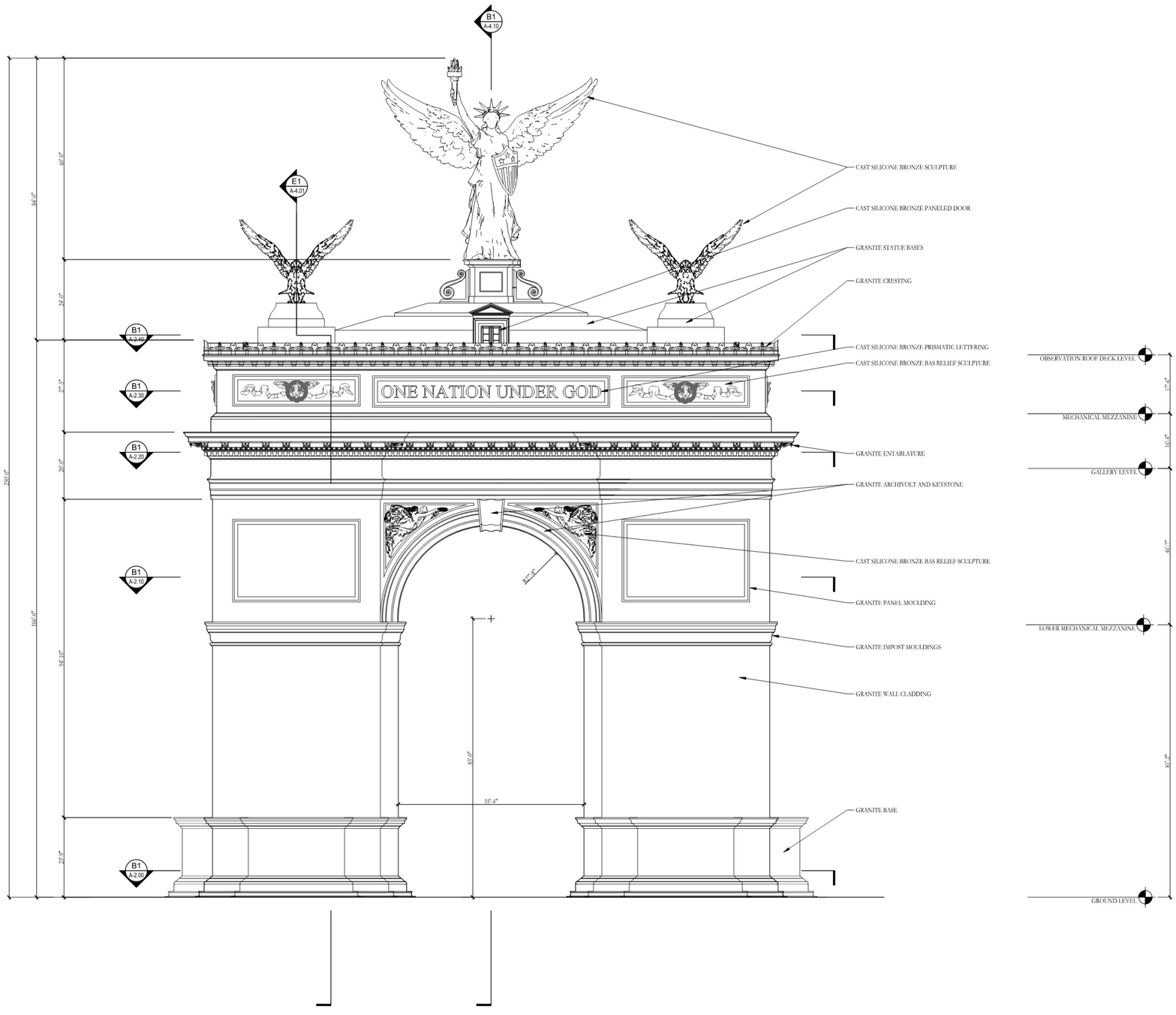
scale 1/8" = 1'-0"

drawn JG, KA checked NC

project no. 266206

title OBSERVATION DECK LEVEL MECHANICAL REFLECTED CEILING PLAN

sheet number A-2.41



D1 / A-3.00 FRONT ELEVATION
SCALE: 1/16" = 1'=0"

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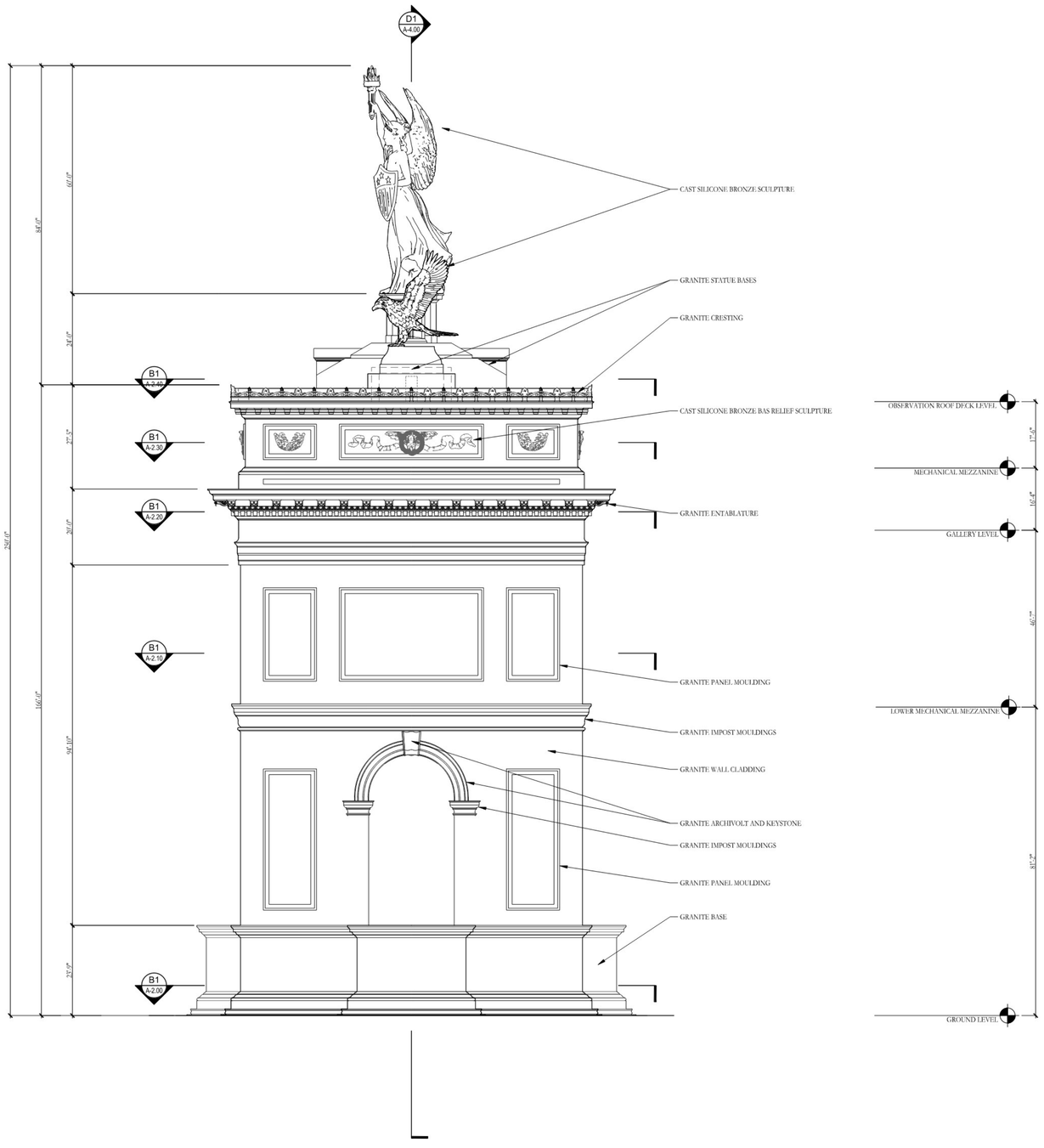
TRIUMPHAL ARCH - WASHINGTON, DC

WASHINGTON, DC

stamps

issue

date	06-05-2026
scale	1/16" = 1'-0"
drawn	JG, KA
checked	NC
project no.	266206
title	FRONT ELEVATION
sheet number	A-3.00



D1 / A-3.10 SIDE ELEVATION
SCALE: 1/16" = 1'=0"

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stamps

issue

date 06-05-2026

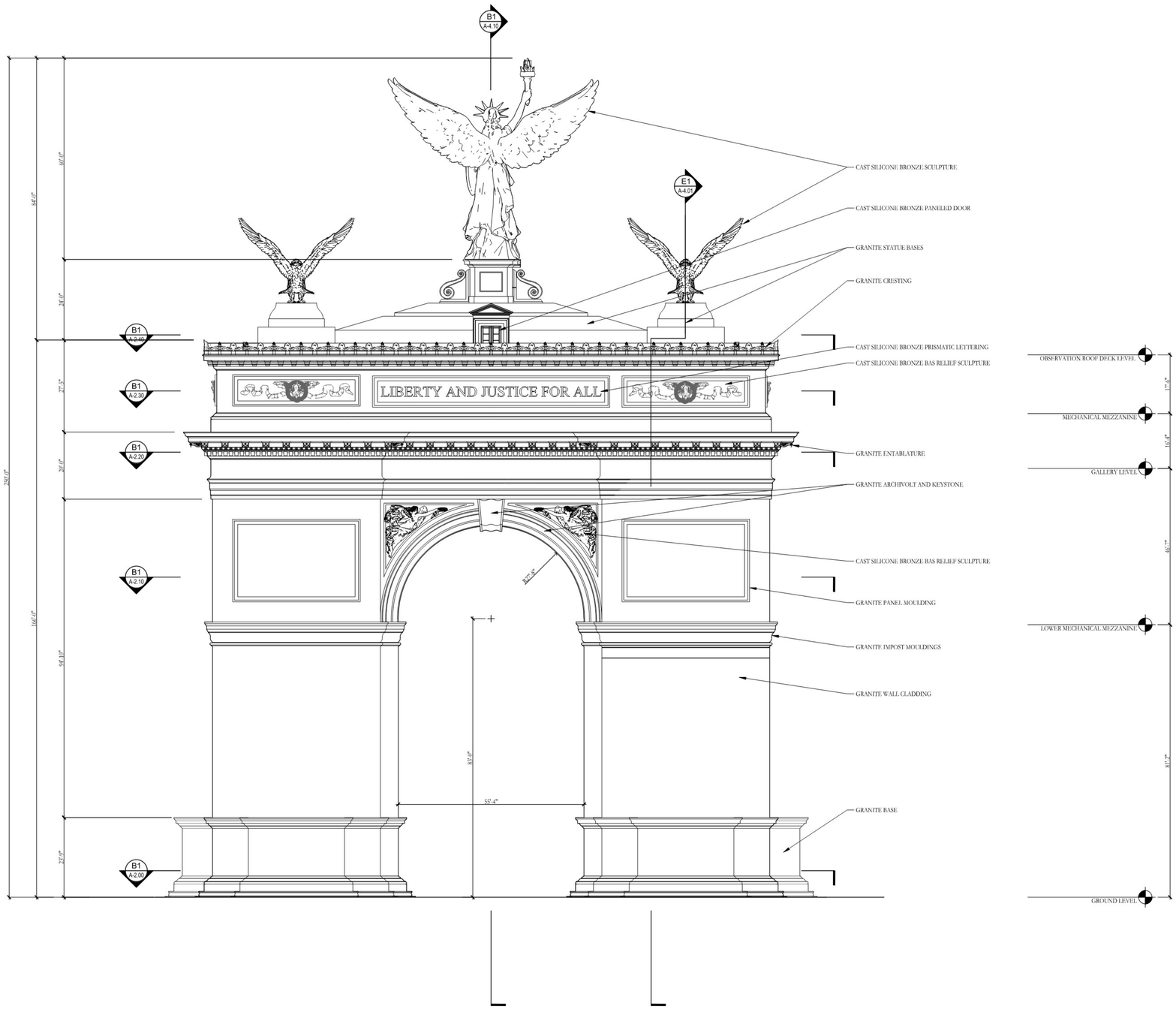
scale 1/16" = 1'-0"

drawn JG, KA checked NC

project no. 266206

title SIDE ELEVATION

sheet number A-3.10



D1 / A-3.20 REAR ELEVATION
SCALE: 1/16" = 1'-0"

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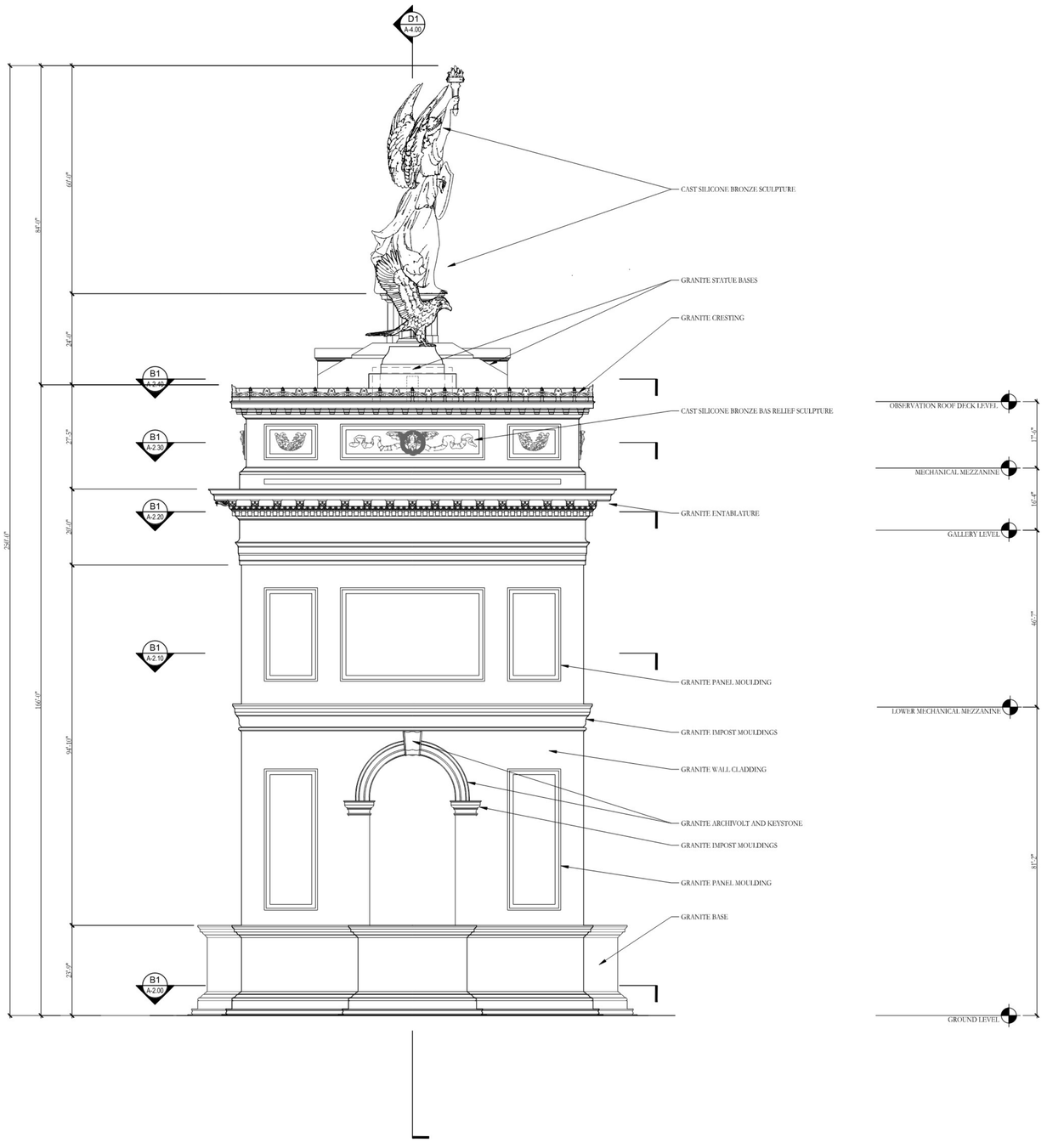
TRIUMPHAL ARCH - WASHINGTON, DC

WASHINGTON, DC

stamps

issue

date	06-05-2026
scale	1/16" = 1'-0"
drawn	JG, KA
checked	NC
project no.	266206
title	REAR ELEVATION
sheet number	A-3.20



D1 / A-3.30 SIDE ELEVATION
SCALE: 1/16" = 1'=0"

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stamps

issue

date 06-05-2026

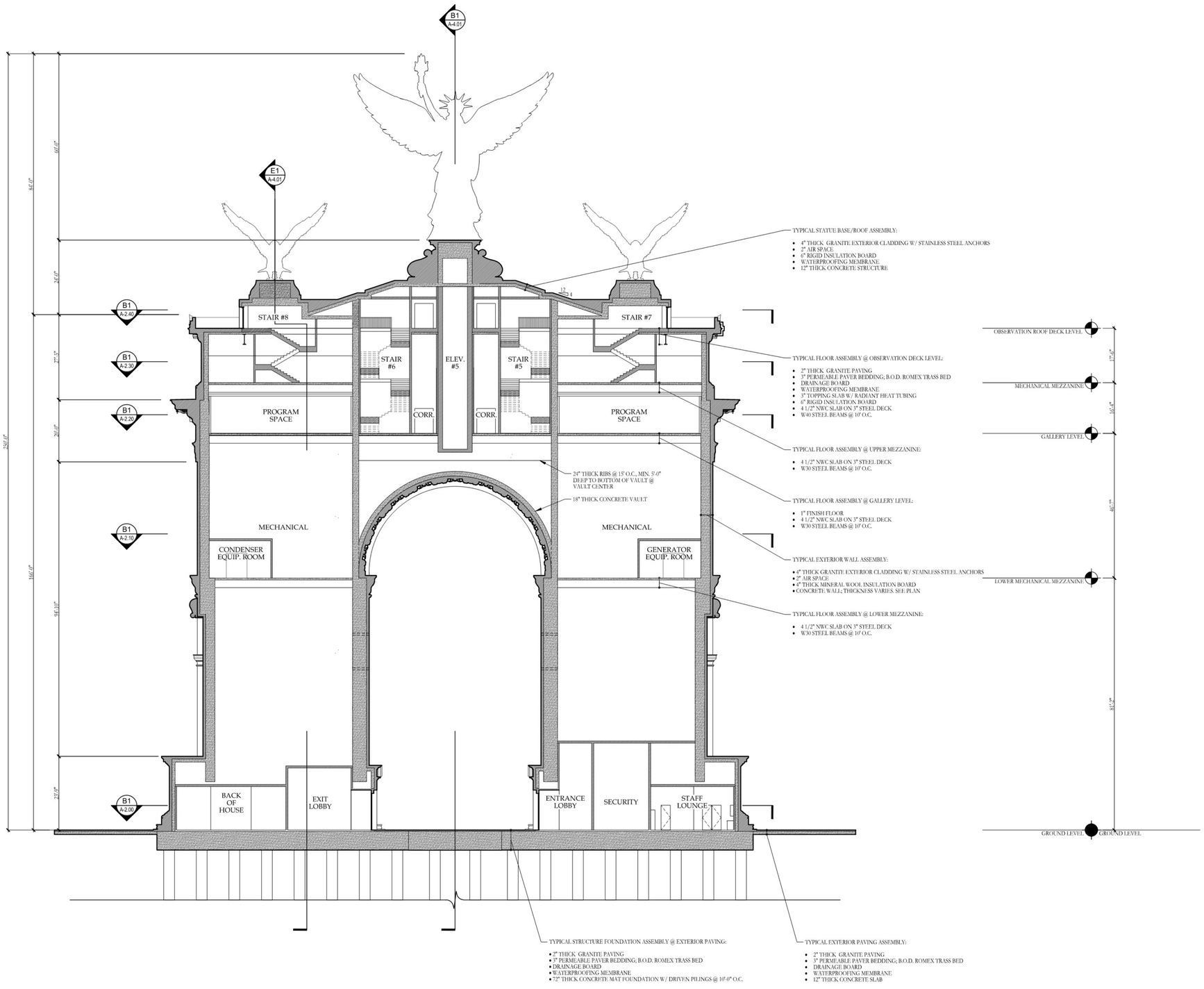
scale 1/16" = 1'-0"

drawn JG, KA checked NC

project no. 266206

title SIDE ELEVATION

sheet number A-3.30



D1
A-4.00
BUILDING SECTION
SCALE: 1/16" = 1'=0"

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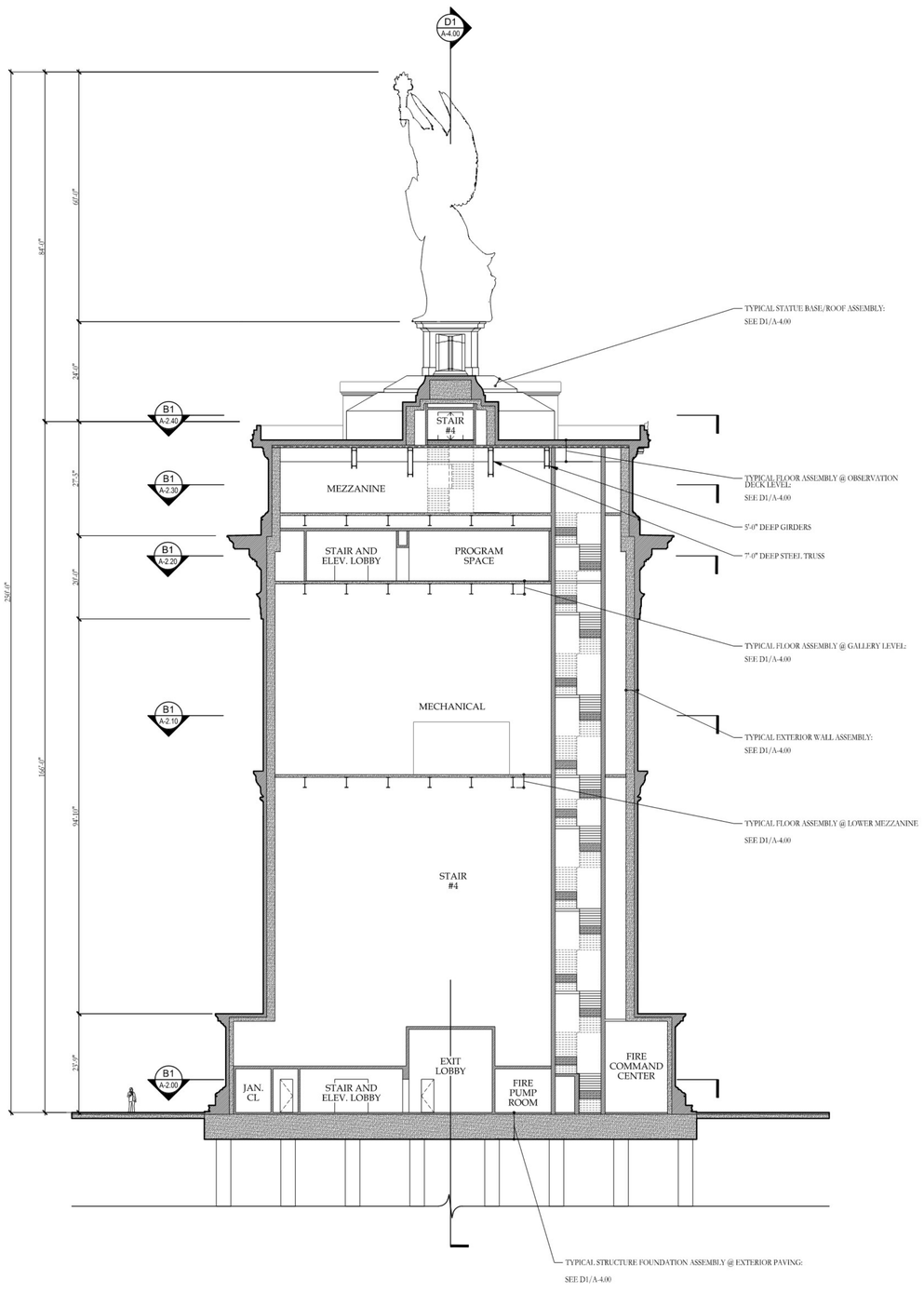
TRIUMPHAL ARCH - WASHINGTON, DC

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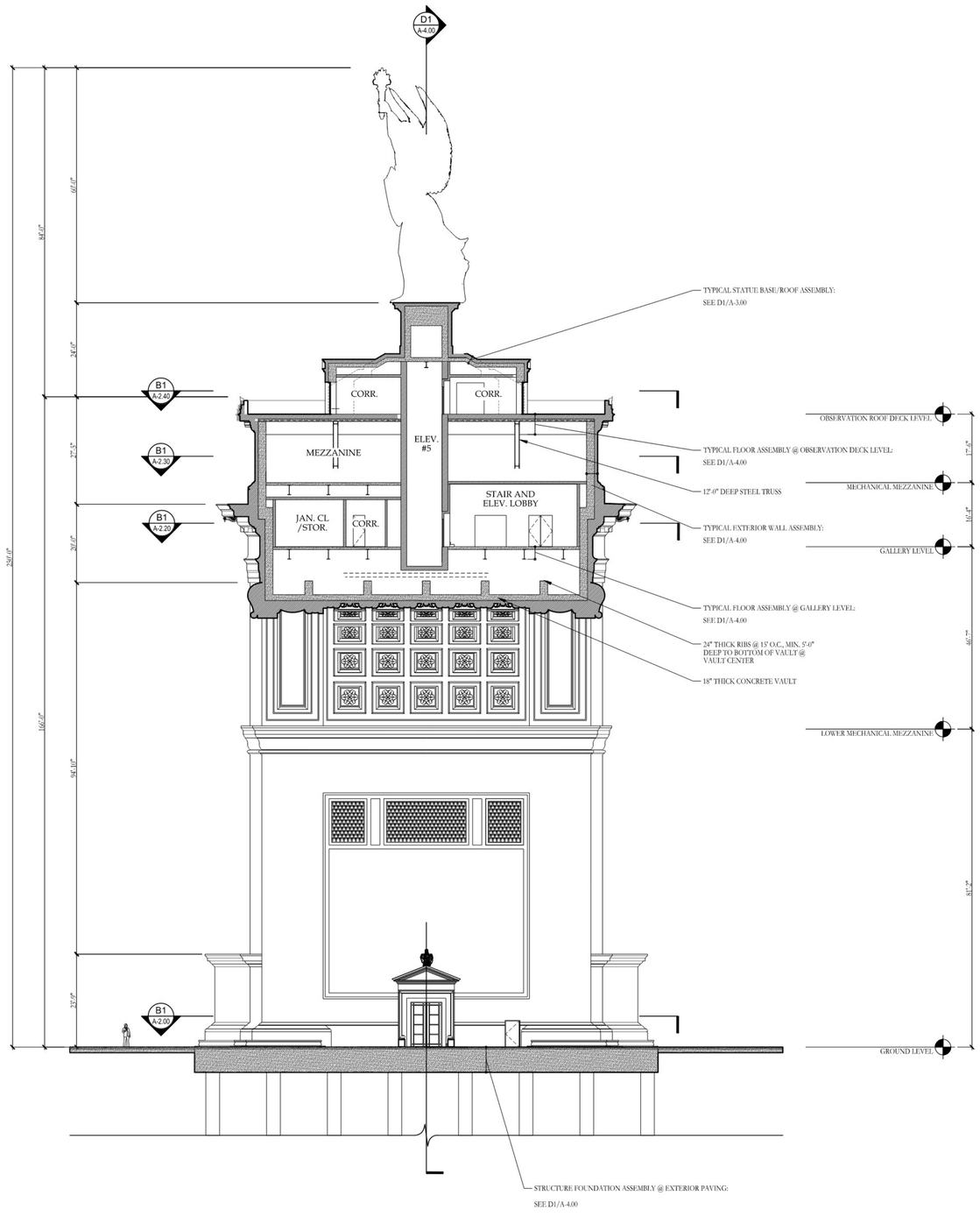
stamps

issue

date	06-05-2026
scale	1/16" = 1'-0"
drawn	JG, KA
checked	NC
project no.	266206
title	BUILDING SECTION
sheet number	A-4.00



E1 A-4.01 BUILDING SECTION
SCALE: 1/16" = 1'=0"



B1 A-4.01 BUILDING SECTION
SCALE: 1/16" = 1'=0"

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WASHINGTON, DC

stamps

issue

date	06-05-2026
scale	1/16" = 1'-0"
drawn	JG, KA
checked	NC
project no.	266206
title	BUILDING SECTIONS
sheet number	A-4.01





A-6.01

JUNE 05, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

FRONT & SIDE ELEVATION

HARRISON DESIGN



A-6.02

AUGUST 21, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

RENDERING

HARRISON DESIGN



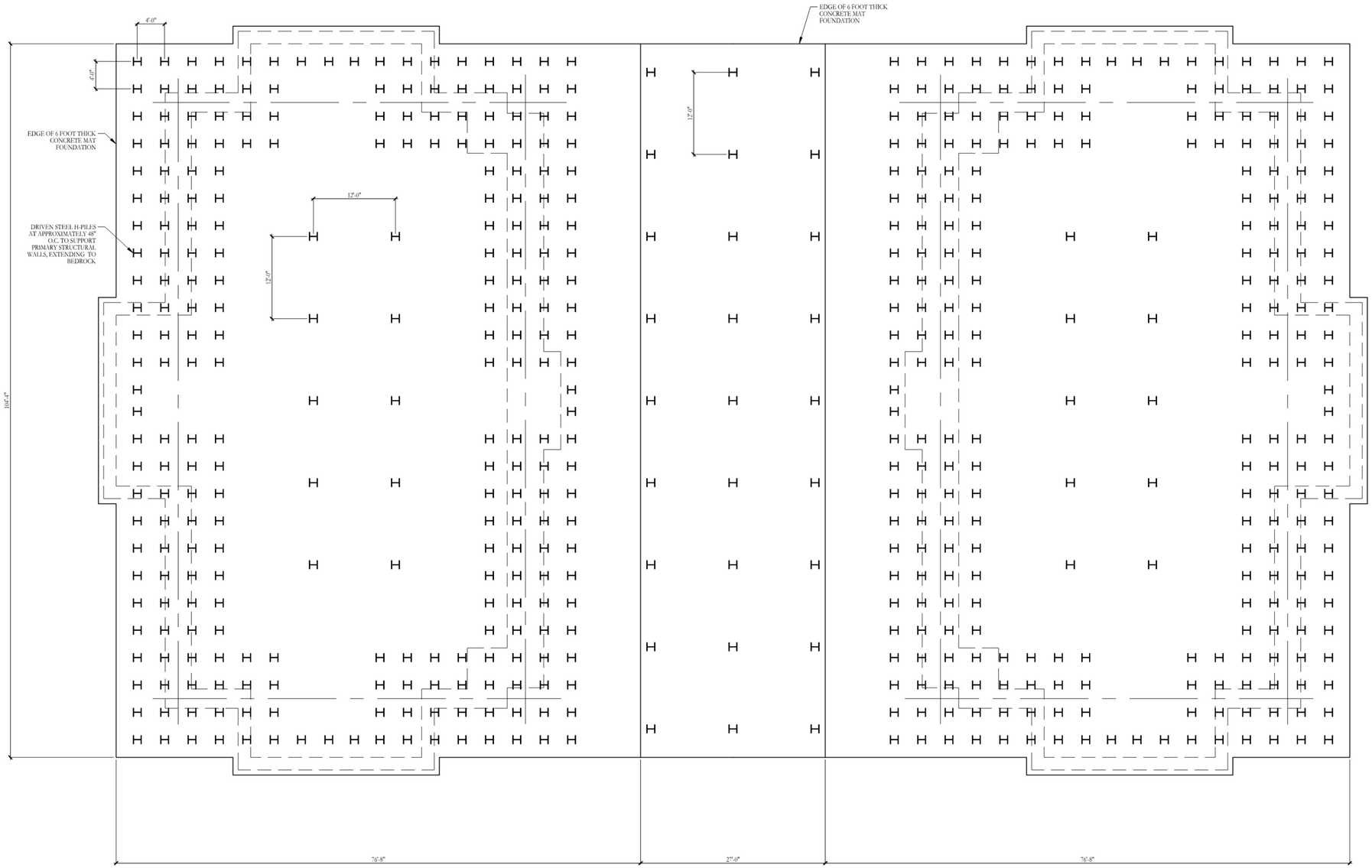
A-6.03

AUGUST 21, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

RENDERING

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B1 / S-1.00 FOUNDATION PLAN - OPTION 1
SCALE: 1/8" = 1'=0"

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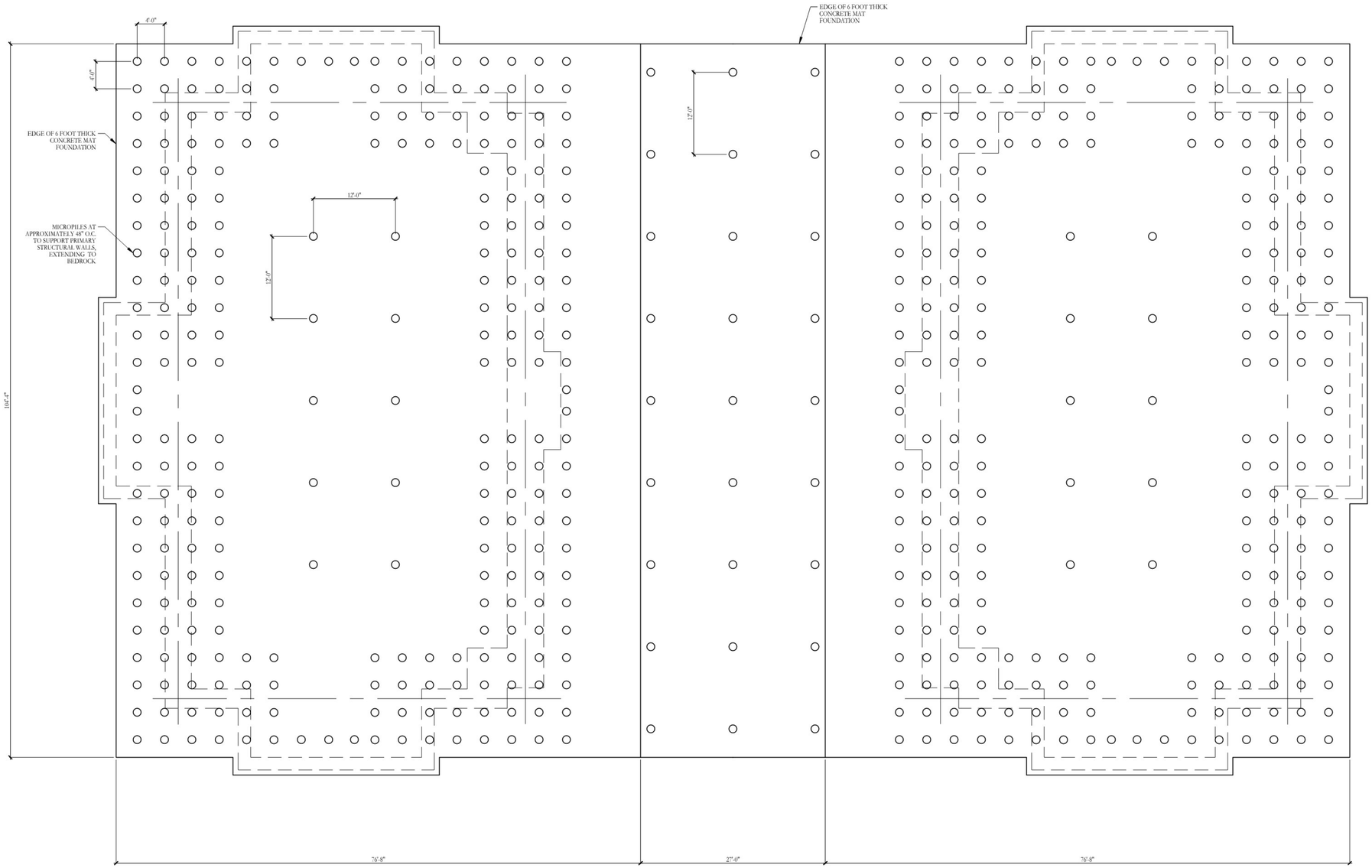
TRIUMPHAL ARCH - WASHINGTON, DC

WASHINGTON, DC

stamps

issue

date	06-05-2026
scale	1/8" = 1'-0"
drawn	JG, KA
checked	NC
project no.	266206
title	FOUNDATION PLAN OPTION 1
sheet number	S-1.00



B1 / S-1.00 FOUNDATION PLAN - OPTION 2
SCALE: 1/8" = 1'=0"

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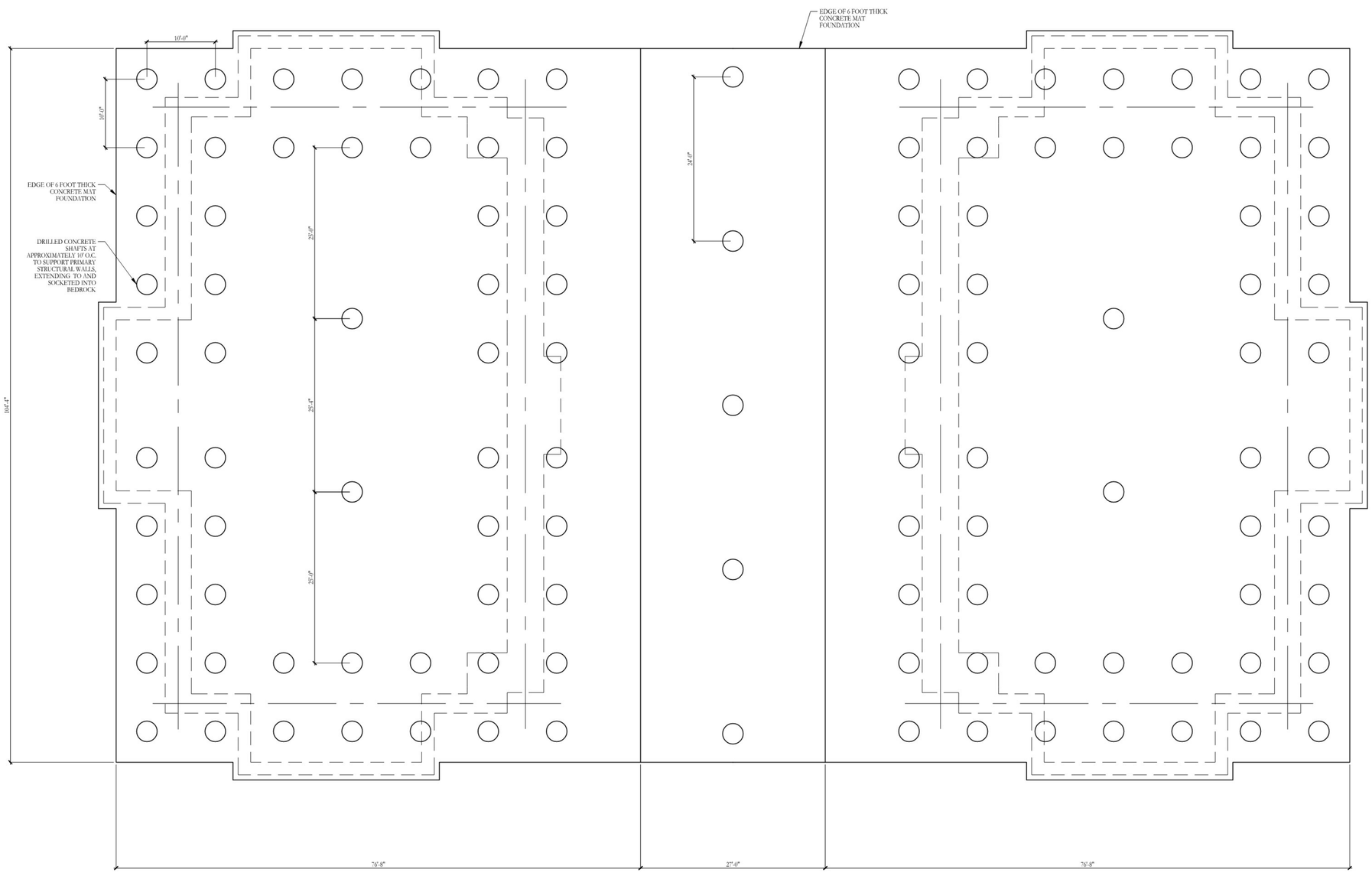
TRIUMPHAL ARCH - WASHINGTON, DC

WASHINGTON, DC

stamps

issue

date	06-05-2026
scale	1/8" = 1'-0"
drawn	JG, KA
checked	NC
project no.	266206
title	FOUNDATION PLAN OPTION 2
sheet number	S-1.01



B1 / S-1.00 FOUNDATION PLAN - OPTION 3
SCALE: 1/8" = 1'-0"

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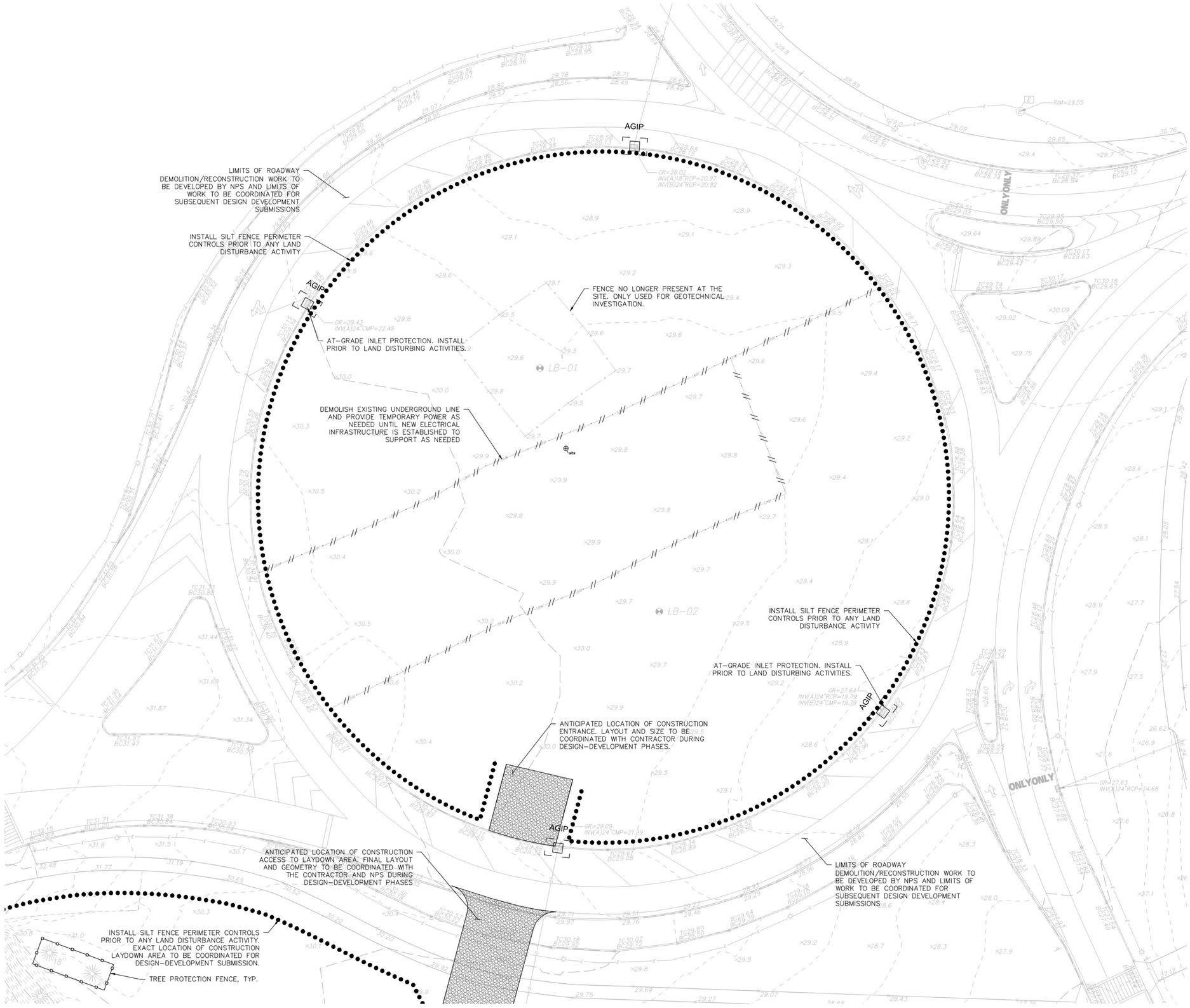
TRIUMPHAL ARCH - WASHINGTON, DC

WASHINGTON, DC

stamps

issue

date	06-05-2026
scale	1/8" = 1'-0"
drawn	JG, KA
checked	NC
project no.	266206
title	FOUNDATION PLAN OPTION 3
sheet number	S-1.02



SITE DEMOLITION AND SITE PREPARATION NOTES:

1. THE CONTRACTOR SHALL INSPECT THE SITE THOROUGHLY AND FIELD-VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES. CONTRACTORS USING THESE PLANS FOR DEMOLITION OR CONSTRUCTION SHALL CONFIRM ALL UTILITIES IN THE FIELD.
2. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONARY AND PROTECTIVE MEASURES, INCLUDING BOT NOT LIMITED TO SIGNS, LIGHTS, FENCES, BARRIERS, AND PEDESTRIAN AND TRAFFIC CONTROL MEASURES DURING DEMOLITION.
3. RECYCLED ASPHALT OR CONCRETE MAY NOT BE USED FOR FILL.

DOEE SOIL EROSION AND SEDIMENT CONTROL PLAN NOTES:

1. FOLLOWING INITIAL LAND DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR INTERIM STABILIZATION MUST BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS FOR THE SURFACES OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES,PERIMETER SLOPES, AND SLOPES GREATER THAN 3H:1V; AND FOURTEEN (14) DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE. THESE REQUIREMENTS DO NOT APPLY TO AREAS SHOWN ON THE PLAN THAT ARE USED FOR MATERIAL STORAGE OTHER THAN STOCKPILING, OR FOR THOSE AREAS ON THE PLAN WHERE ACTUAL CONSTRUCTION ACTIVITIES ARE BEING PERFORMED. MAINTENANCE SHALL BE PERFORMED AS NECESSARY SO THAT STABILIZED AREAS CONTINUOUS MEET THE APPROPRIATE REQUIREMENTS OF THE DISTRICT OF COLUMBIA STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
2. ESC MEASURES SHALL BE IN PLACE BEFORE AND DURING LAND DISTURBANCE.
3. CONTACT DOEE INSPECTION (202 535-2977 TO SCHEDULE A PRE-CONSTRUCTION MEETING AT LEAST THREE (3) DAYS BEFORE THE COMMENCEMENT OF A LAND-DISTURBING ACTIVITY.
4. A COPY OF THE APPROVED PLAN SET WILL BE MAINTAINED AT THE CONSTRUCTION SITE FROM THE DATE THAT CONSTRUCTION ACTIVITIES BEGIN TO THE DATE OF FINAL STABILIZATION AND WILL BE AVAILABLE FOR DOEE INSPECTORS.
5. ESC MEASURES SHALL BE IN PLACE TO STABILIZE AN EXPOSED AREA AS SOON AS PRACTICABLE AFTER CONSTRUCTION ACTIVITY HAS BEEN OR PERMANENTLY CEASED BUT NO LATER THAN FOURTEEN (14) DAYS FOLLOWING CESSATION, EXCEPT THAT TEMPORARY OR PERMANENT STABILIZATION SHALL BE IN PLACE AT THE END OF EACH DAY OF UNDERGROUND UTILITY WORK THAT IS NOT CONTAINED WITHIN A LARGER DEVELOPMENT SITE.
6. STOCKPILED MATERIAL BEING ACTIVELY USED DURING A PHASE OF CONSTRUCTION SHALL BE PROTECTED AGAINST EROSION BY ESTABLISHING AND MAINTAINING PERIMETER CONTROLS AROUND THE STOCKPILE.
7. STOCKPILED MATERIAL NOT BEING ACTIVELY USED OR ADDED TO SHALL BE STABILIZED WITH MULCH, TEMPORARY VEGETATION, HYDRO-SEE OR PLASTIC WITHIN FIFTEEN CALENDAR DAYS AFTER ITS LAST USE OR ADDITION.
8. PROTECT BEST MANAGEMENT PRACTICES FROM SEDIMENTATION AND OTHER DAMAGE DURING CONSTRUCTION FOR PROPER POST CONSTRUCTION OPERATION.
9. REQUEST A DOEE INSPECTOR'S APPROVAL AFTER THE INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
10. REQUEST A DOEE INSPECTOR'S APPROVAL AFTER FINAL STABILIZATION OF THE SITE AND BEFORE THE REMOVAL OF EROSION AND SEDIMENT CONTROLS.
11. FINAL STABILIZATION MEANS THAT ALL LAND-DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND EITHER OF THE FOLLOWING TWO CRITERIA HAVE BEEN MET: (1) A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF SEVENTY PERCENT OF THE NATIVE BACKGROUND VEGETATIVE COVER FOR THE AREA HAS BEEN ESTABLISHED ON ALL UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR (2) EQUIVALENT PERMANENT STABILIZATION MEASURES HAVE BEEN EMPLOYED.
12. FOLLOW THE REQUIREMENTS OF THE UNITED STATED EPS SWPPP AND MAINTAIN A LEGIBLE COPY OF THIS SWPPP ON SITE.
13. POST A SIGN THAT NOTIFIES THE PUBLIC TO CONTACT DOEE IN THE EVENT OF EROSION OR OTHER POLLUTION. THE SIGHT WILL BE PLACED AT EACH ENTRANCE TO THE SITE OR AS DIRECTED BY THE DOEE INSPECTOR. EACH SIGN WILL BE NO LESS THAN 18 x 24 INCHES IN SIZE AND MADE OF MATERIALS THAT WILL WITHSTAND WEATHER FOR THE DURATION OF THE PROJECT. LETTERING WILL BE AT LEAST 1 INCH IN HEIGHT AND EASILY READABLE BY THE PUBLIC FROM A DISTANCE OF TWELVE FEET (12 FT). THE SIGN MUST DIRECT THE PUBLIC, IN SUBSTANTIALLY THE FOLLOWING FORM: " TO REPORT EROSION, RUNOFF OR STORMWATER POLLUTION" AND WILL PROVIDE TEH CONSTRUCTION SITE ADDRESS, DOEE'S TELEPHONE NUMBER, DOEE'S EMAIL ADDRESS AND THE 311 MOBILE APP HEADING.

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Revisions		

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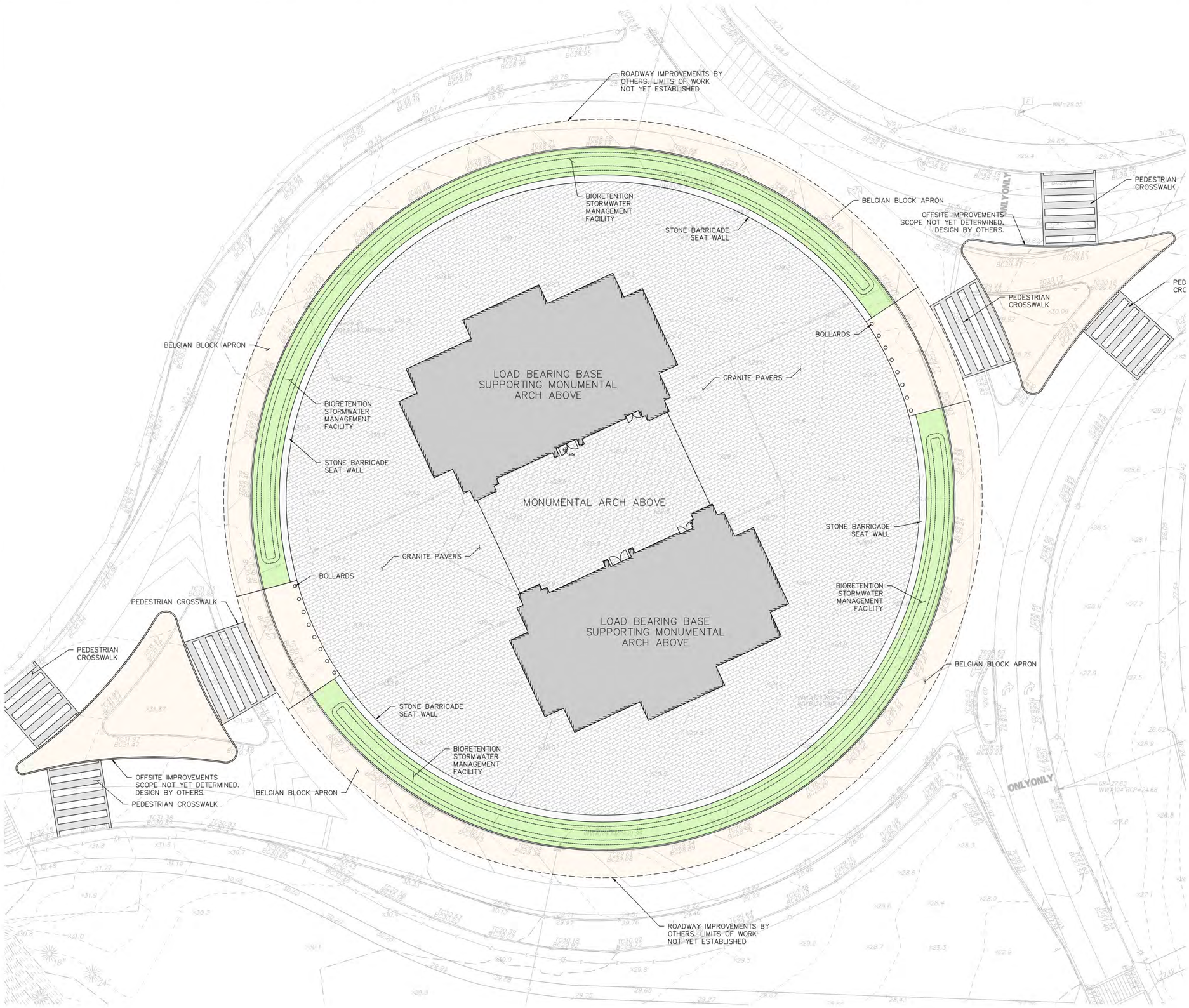
Drawing Title

DEMOLITION AND SITE PREPARATION PLAN

Project No.	Drawing No.
270228201	CD101
Date: 05/22/2026	
Drawn By: AMF	
Checked By: RCL	0

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SITE PLAN NOTES:

1. ALL ELEVATIONS ARE SHOWN IN DATUM NAVD 88.
2. CONSTRUCTION INFORMATION AND REQUIREMENTS ARE LOCATED IN NUMEROUS PROJECT DOCUMENTS SUCH AS DRAWINGS, SPECIFICATIONS, DETAILS, NOTES, ORDINANCES, CODES, PERMITS, STANDARDS, GUIDELINES AND MANUFACTURER DOCUMENTS. THE MOST STRINGENT CRITERIA SHALL APPLY.
3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING COPIES, UNDERSTANDING AND IMPLEMENTING THE REFERENCED PROJECT STANDARDS (I.E. ASTM, AWWA, AASHTO, ETC.), PROJECT PERMIT REQUIREMENTS, REGULATORY CODES AND REGULATIONS, AND MANUFACTURER GUIDELINES AND REQUIREMENTS.
4. UNDERGROUND UTILITIES AND INFRASTRUCTURE ARE LOCATED THROUGHOUT THE SITE AND MAY BE PRESENT IN AREAS OF PROPOSED WORK. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING AND LOCATING UNDERGROUND UTILITIES AND INFRASTRUCTURE PRIOR TO WORK. IF CONFLICTS WITH PROPOSED WORK ARE OBSERVED, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY FOR REVIEW. CONTRACTOR SHALL USE EXTREME CARE WHEN WORKING ADJACENT TO EXISTING UNDERGROUND UTILITIES AND INFRASTRUCTURE.
5. THE ROADWAY IMPROVEMENTS SURROUNDING MEMORIAL CIRCLE AND THE PROPOSED MONUMENT ARE CURRENTLY BEING DEVELOPED BY NPS. THE LIMITS OF ROADWORK SHOWN HEREIN ARE PROVIDED FOR REFERENCE ONLY AND WILL BE COORDINATED WITH NPS DURING THE DESIGN DEVELOPMENT PHASE OF THE PROJECT.

LEGEND:

LOAD BEARING BASE SUPPORTING MONUMENTAL ARCH ABOVE	
ARCH OVERHEAD	
GRANITE PAVERS	
LANDSCAPE	

SCALE: 1 INCH = 20 FEET

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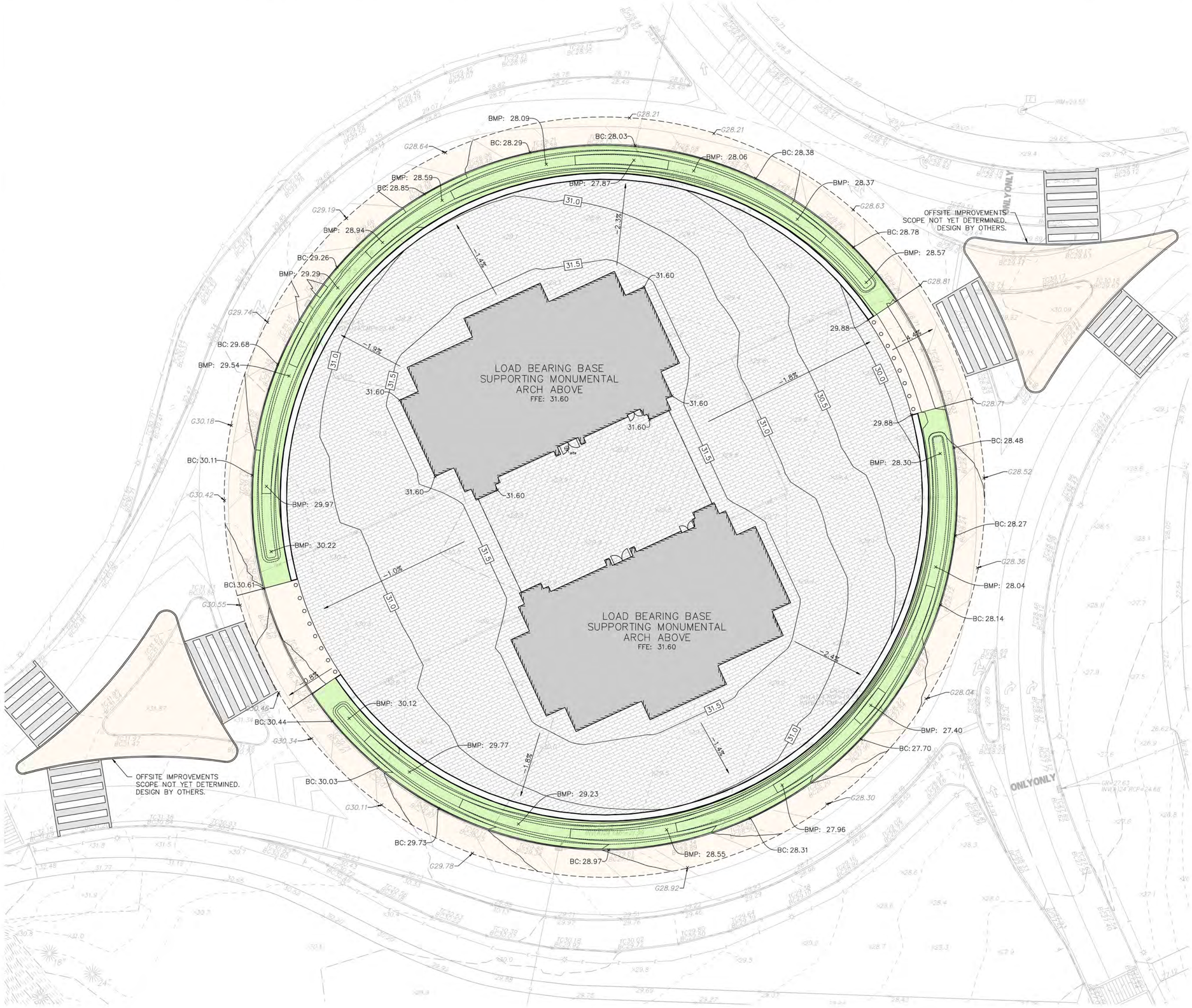
SITE PLAN

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270228201	CS101
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GRADING PLAN NOTES:

1. ALL GRADING, DRAINAGE AND UTILITY INSTALLATION AND/OR CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS OR LOCAL REQUIREMENTS. SHOULD A DIFFERENCE IN REQUIREMENTS OCCUR, THE STRICTER OF THE TWO REGULATIONS WILL APPLY.
2. GRADE ALL AREAS OTHER THAN PAVED GRADED AREAS AND BUILDINGS, INCLUDING EXCAVATED AREAS, FILLED AND TRANSITION AREAS, AND LANDSCAPED AREAS TO FINISH GRADE ELEVATIONS OR CONTOURS AS INDICATED ON DRAWINGS. FINISHED SUBGRADE SURFACE SHALL BE UNIFORM AND SMOOTH, FREE FROM ROCK, DEBRIS, OR IRREGULAR SURFACE CHANGES. FINISHED SUBGRADE SHALL NOT BE MORE THAN 0.01 FEET ABOVE OR BELOW ESTABLISHED FINISHED SUBGRADE ELEVATION, AND ALL GROUND SURFACES SHALL VARY UNIFORMLY BETWEEN INDICATED ELEVATIONS. DITCHES SHALL BE GRADED TO ALLOW FOR PROPER DRAINAGE WITHOUT PONDING AND IN A MANNER THAT WILL MINIMIZE EROSION POTENTIAL.
3. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC LOADING AND BE INSTALLED ACCORDINGLY.
4. SITE GRADING SHALL NOT PROCEED UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
5. CONTRACTOR SHALL REVIEW ALL DRAINAGE CONNECTIONS TO MANHOLES AND CATCH BASINS AND INCREASE THE INLET BOX SIZES AS NECESSARY TO ACCOMMODATE THE PROPOSED INLET AND OUTLET PIPES.
6. ALL GRADING IS TO PROMOTE POSITIVE DRAINAGE AWAY FROM THE BUILDING.
7. ALL PAVING THICKNESSES SHOWN ARE THE COMPACTED THICKNESS.
8. CURB ELEVATIONS INDICATED "BC" ARE BOTTOM OF CURB ELEVATIONS. CURB ELEVATIONS INDICATED AS "TC" ARE TOP OF CURB ELEVATIONS.

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GRADING PLAN

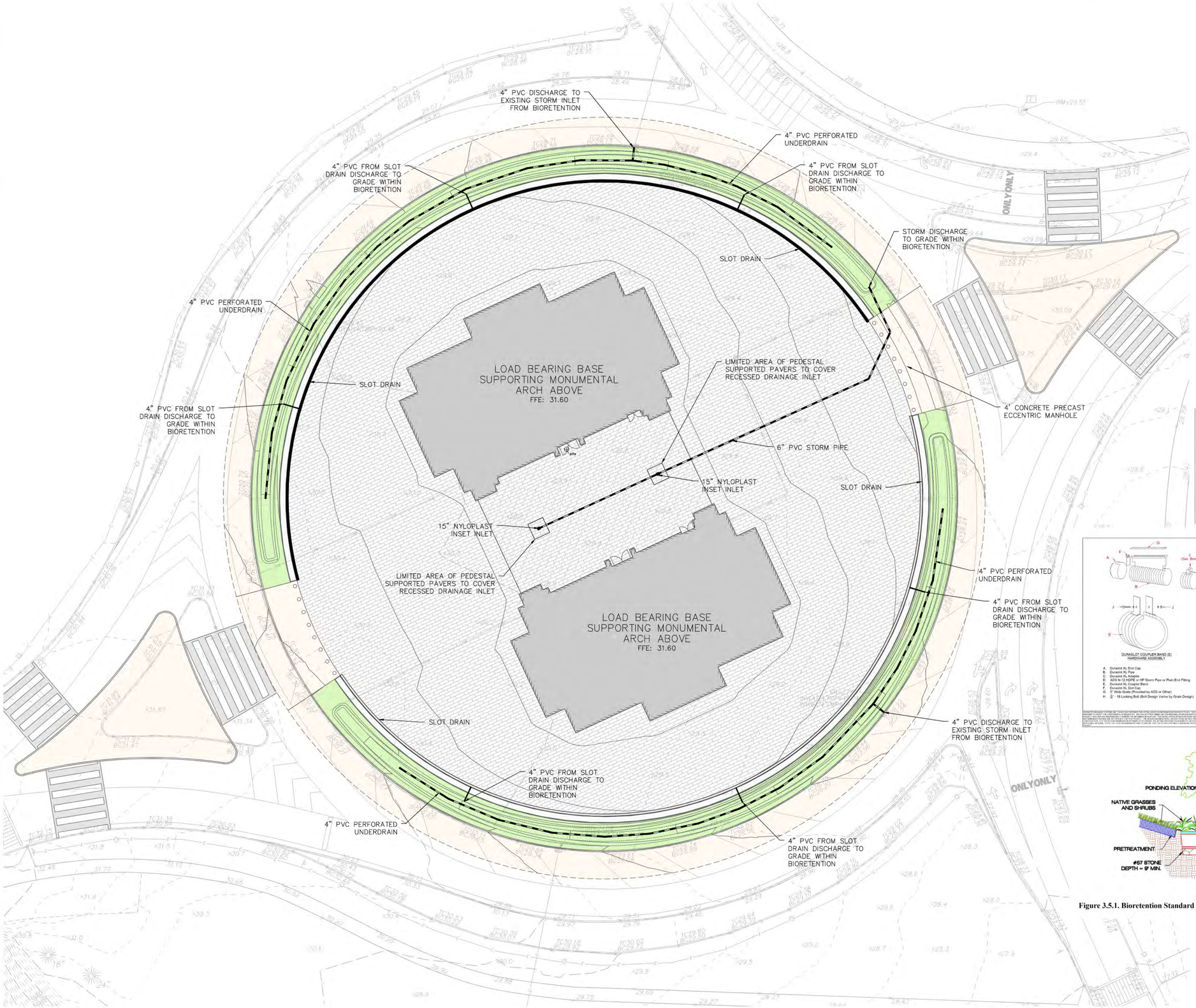
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DRAINAGE PLAN NOTES:

1. ALL GRADING, DRAINAGE AND UTILITY INSTALLATION AND/OR CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS OR LOCAL REQUIREMENTS. SHOULD A DIFFERENCE IN REQUIREMENTS OCCUR, THE STRICTER OF THE TWO REGULATIONS WILL APPLY.
2. GRADE ALL AREAS OTHER THAN PAVED GRADED AREAS AND BUILDINGS, INCLUDING EXCAVATED AREAS, FILLED AND TRANSITION AREAS, AND LANDSCAPED AREAS TO FINISH GRADE ELEVATIONS OR CONTOURS AS INDICATED ON DRAWINGS. FINISHED SUBGRADE SURFACE SHALL BE UNIFORM AND SMOOTH, FREE FROM ROCK, DEBRIS, OR IRREGULAR SURFACE CHANGES. FINISHED SUBGRADE SHALL NOT BE MORE THAN 0.01 FEET ABOVE OR BELOW ESTABLISHED FINISHED SUBGRADE ELEVATION, AND ALL GROUND SURFACES SHALL VARY UNIFORMLY BETWEEN INDICATED ELEVATIONS. DITCHES SHALL BE GRADED TO ALLOW FOR PROPER DRAINAGE WITHOUT PONDING AND IN A MANNER THAT WILL MINIMIZE EROSION POTENTIAL.
3. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC LOADING AND BE INSTALLED ACCORDINGLY.
4. SITE GRADING SHALL NOT PROCEED UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
5. CONTRACTOR SHALL REVIEW ALL DRAINAGE CONNECTIONS TO MANHOLES AND CATCH BASINS AND INCREASE THE INLET BOX SIZES AS NECESSARY TO ACCOMMODATE THE PROPOSED INLET AND OUTLET PIPES.
6. ALL GRADING IS TO PROMOTE POSITIVE DRAINAGE AWAY FROM THE BUILDING.
7. CURB ELEVATIONS INDICATED "BC" ARE BOTTOM OF CURB ELEVATIONS. CURB ELEVATIONS INDICATED AS "TC" ARE TOP OF CURB ELEVATIONS.

STORMWATER CONVEYANCE NARRATIVE

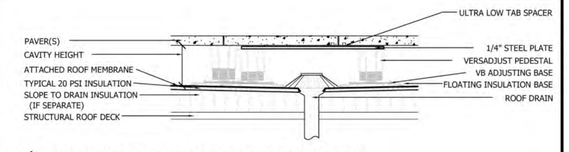
THE PROPOSED STORMWATER CONVEYANCE SYSTEM CONSISTS OF A SERIES OF INLETS AND SLOT DRAINS THAT WILL CAPTURE AND CONVEY STORMWATER RUNOFF FROM THE MONUMENT PLAZA TO SURROUNDING STORMWATER MANAGEMENT INFRASTRUCTURE (IE. BIORETENTION). OVERFLOW DRAINS FROM THE BIO-RETENTION AREA WILL CONNECT TO EXISTING STORM DRAINS LOCATED WITHIN MEMORIAL CIRCLE, BEFORE ULTIMATELY DISCHARGING TO THE POTOMAC RIVER AND BOUNDARY CHANNEL.

STORMWATER MANAGEMENT NARRATIVE

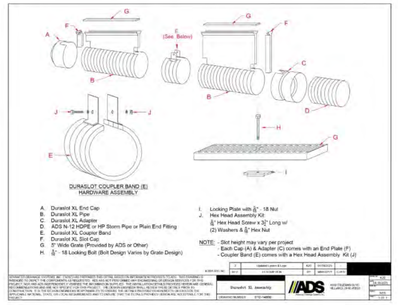
BASED ON DC WATER REGULATIONS AND THE ANTICIPATED LIMITS OF DISTURBANCE (76,000 SQUARE FEET), THE PROJECT IS CONSIDERED A MAJOR LAND DISTURBANCE ACTIVITY. AS SUCH, THE STORMWATER MANAGEMENT RETENTION VOLUME IS DEVELOPED BASED ON A 1.2 INCH STORM, PER DOEE REGULATIONS.

BASED ON A PRELIMINARY CALCULATION FROM THE SURFACE AND GROUNDWATER SYSTEM, THE ANTICIPATED SWRv IS 6,301 CUBIC FEET.

THE PROJECT WILL BE REQUIRED TO RETAIN OR TREAT AT LEAST 50% OF THE SWRv.



A1 **DRAIN PEDESTAL PLACEMENT SECTION DETAIL**



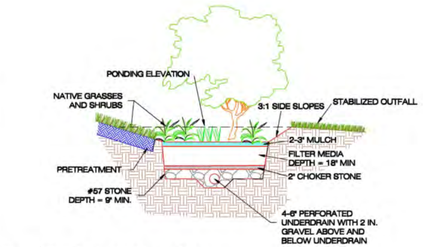


Figure 3.5.1. Bioretention Standard Design.

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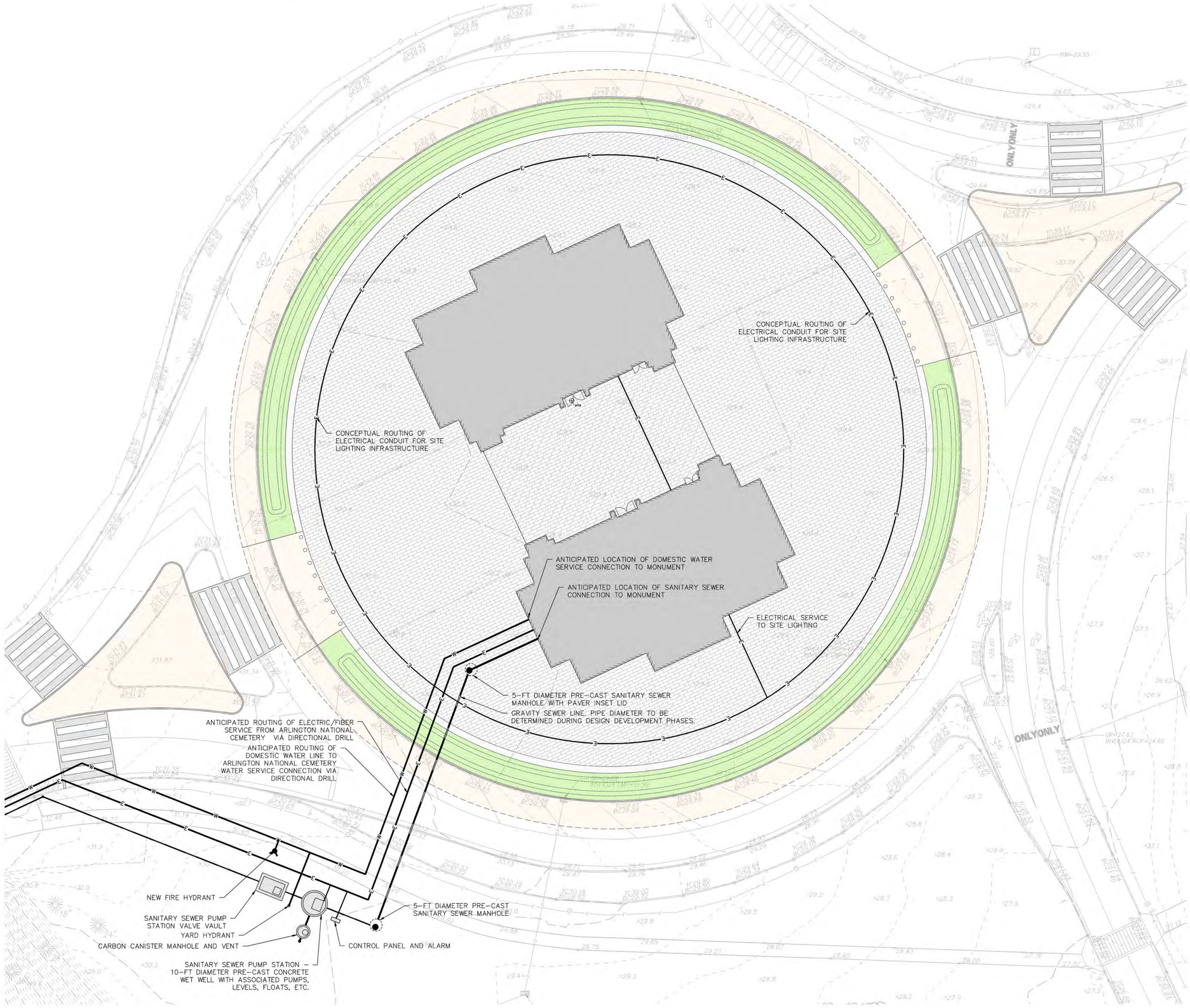
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Drawing Title
DRAINAGE PLAN

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UTILITY PLAN NOTES:

1. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND MEP PLANS AND SPECIFICATIONS FOR ACTUAL LOCATIONS OF ALL UTILITY ENTRANCES TO THE STRUCTURE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, UTILITY LOCATIONS, AND INVERTS PRIOR TO CONSTRUCTION. ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN BY THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
3. ALL SANITARY SEWER AND WATER LINE WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION (DC WATER, ARLINGTON NATIONAL CEMETERY, NATIONAL PARK SERVICE, AND/OR ARLINGTON COUNTY.
4. ALL PLANS SHALL BE SUBMITTED TO ALL AHJs FOR REVIEW AND APPROVAL AS PART OF THE DESIGN DEVELOPMENT AND PERMITTING PROCESS.
5. CONTRACTOR SHALL PERFORM TEST PITS AT THE LOCATIONS OF ALL PROPOSED UTILITY CROSSINGS.
6. ALL UTILITY INFRASTRUCTURE THAT IS INSTALLED ABOVE GRADE (IE. SUSPENDED FROM BRIDGES) SHALL BE INSTALLED WITH INSULATION AND/OR HEAT TRACE TAPE TO ASSURE YEAR ROUND SYSTEM FUNCTIONALITY.
7. DOMESTIC WATER DEMANDS AND SANITARY SEWER LOADS HAVE NOT YET BEEN DEVELOPED BY THE MEP ENGINEER AND THE PROPOSED INFRASTRUCTURE HAS NOT YET BEEN SIZED.

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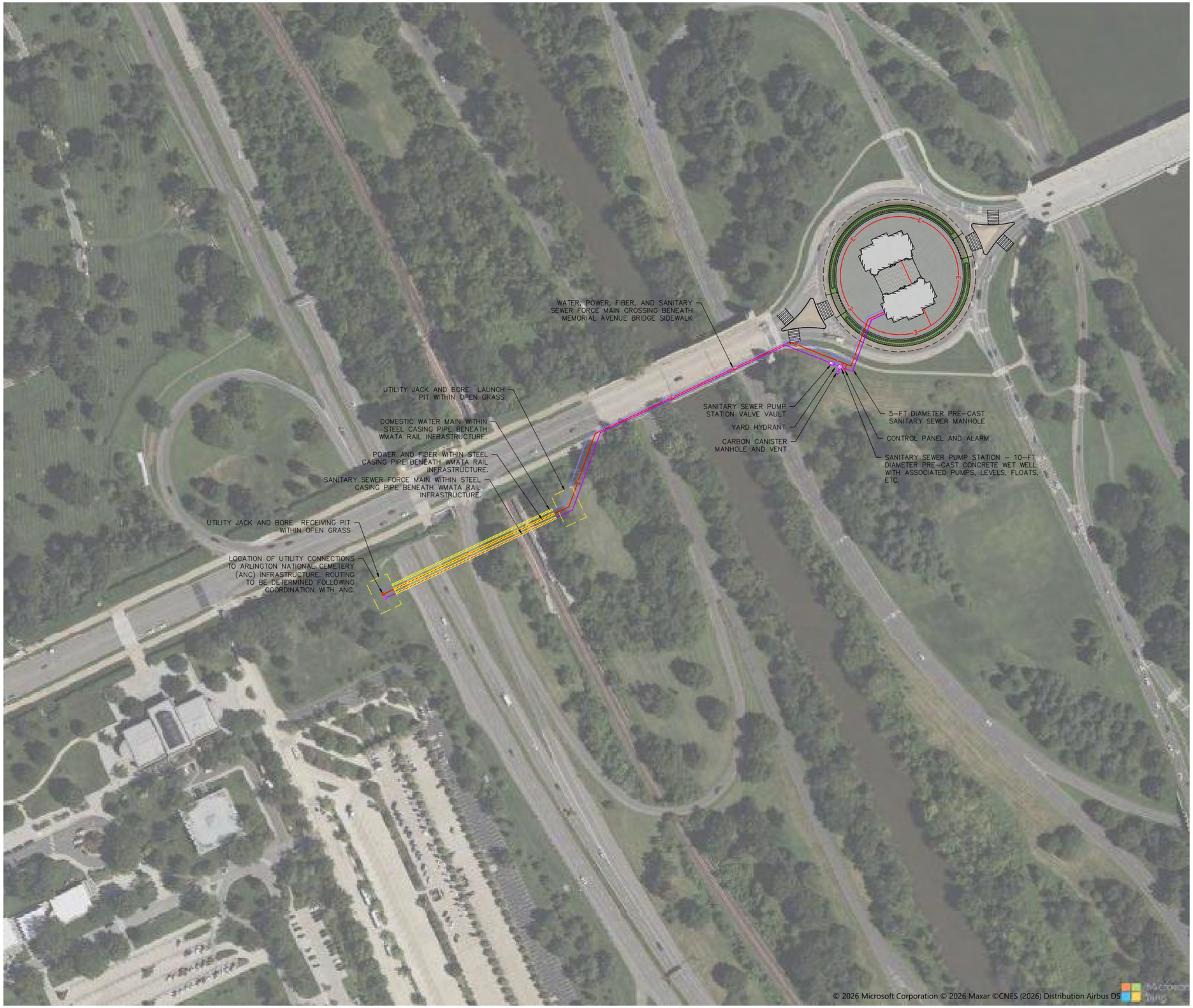
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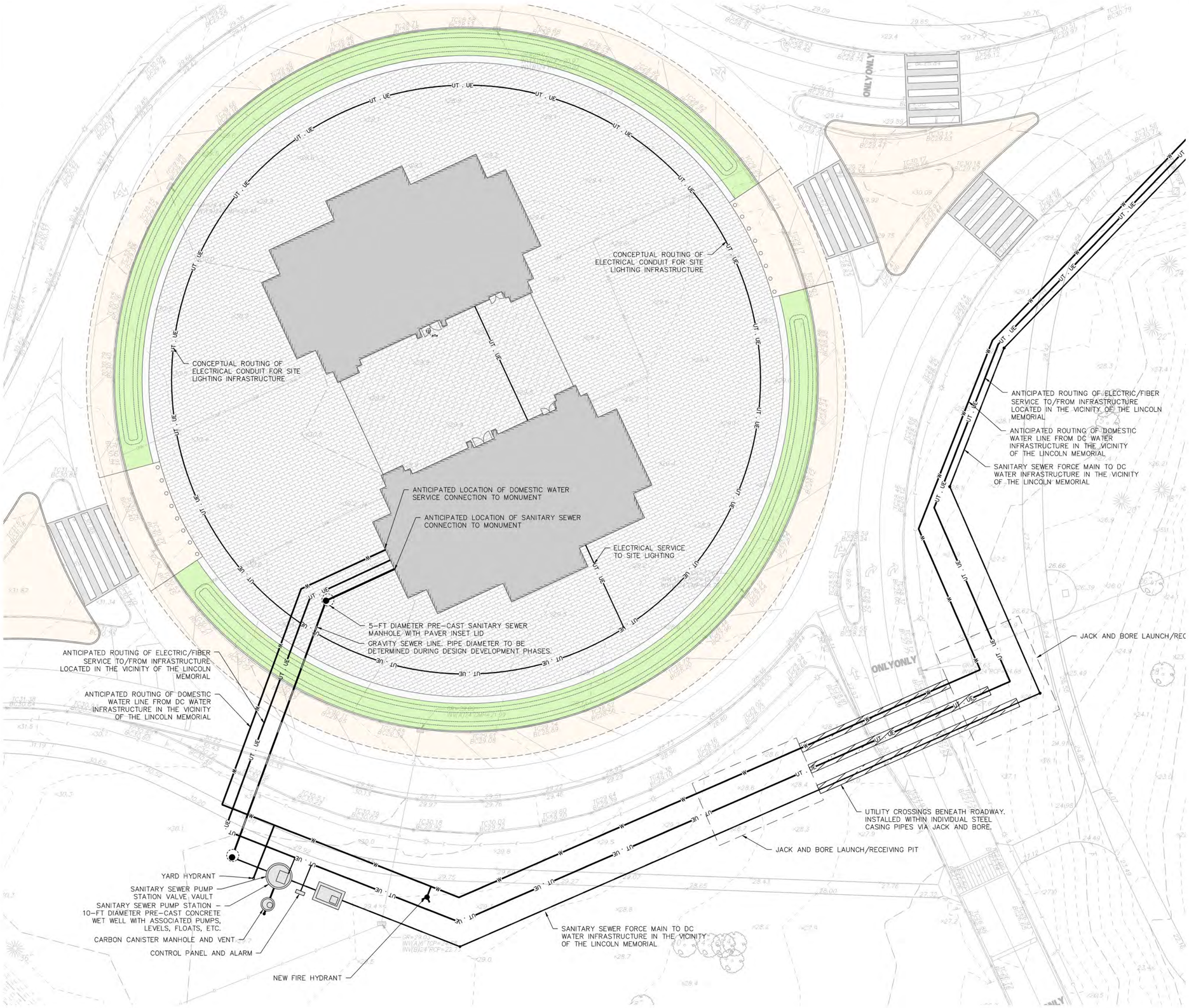
OFFSITE UTILITY ROUTING - OPTION 1

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UTILITY PLAN NOTES:

1. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND MEP PLANS AND SPECIFICATIONS FOR ACTUAL LOCATIONS OF ALL UTILITY ENTRANCES TO THE STRUCTURE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED.
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3. ALL SANITARY SEWER AND WATER LINE WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION (DC WATER, ARLINGTON NATIONAL CEMETERY, NATIONAL PARK SERVICE, AND/OR ARLINGTON COUNTY.
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7. DOMESTIC WATER DEMANDS AND SANITARY SEWER LOADS HAVE NOT YET BEEN DEVELOPED BY THE MEP ENGINEER AND THE PROPOSED INFRASTRUCTURE HAS NOT YET BEEN SIZED.

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Drawing Title

UTILITY PLAN

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Drawing Title

OFFSITE UTILITY ROUTING - OPTION 2

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CONCEPTUAL ROUTING OF ELECTRICAL CONDUIT FOR SITE LIGHTING INFRASTRUCTURE

CONCEPTUAL ROUTING OF ELECTRICAL CONDUIT FOR SITE LIGHTING INFRASTRUCTURE

ANTICIPATED LOCATION OF DOMESTIC WATER SERVICE CONNECTION TO MONUMENT

ANTICIPATED LOCATION OF SANITARY SEWER CONNECTION TO MONUMENT

ELECTRICAL SERVICE TO SITE LIGHTING

5-FT DIAMETER PRE-CAST SANITARY SEWER MANHOLE WITH PAVER INSET LID

GRAVITY SEWER LINE. PIPE DIAMETER TO BE DETERMINED DURING DESIGN DEVELOPMENT PHASES.

ANTICIPATED ROUTING OF ELECTRIC/FIBER SERVICE FROM PENTAGON NORTH FACILITY

ANTICIPATED ROUTING OF DOMESTIC WATER LINE TO PENTAGON NORTH FACILITY

YARD HYDRANT

SANITARY SEWER PUMP STATION VALVE VAULT

SANITARY SEWER PUMP STATION – 10-FT DIAMETER PRE-CAST CONCRETE WET WELL WITH ASSOCIATED PUMPS, LEVELS, FLOATS, ETC.

CARBON CANISTER MANHOLE AND VENT

CONTROL PANEL AND ALARM

NEW FIRE HYDRANT

SANITARY SEWER FORCE MAIN TO PENTAGON NORTH FACILITY

ANTICIPATED ROUTING OF ELECTRIC/FIBER SERVICE FROM PENTAGON NORTH FACILITY

ANTICIPATED ROUTING OF DOMESTIC WATER LINE TO PENTAGON NORTH FACILITY

ONLY

ONLYONLY

UTILITY PLAN NOTES:

1. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND MEP PLANS AND SPECIFICATIONS FOR ACTUAL LOCATIONS OF ALL UTILITY ENTRANCES TO THE STRUCTURE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED.
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Drawing Title

UTILITY PLAN

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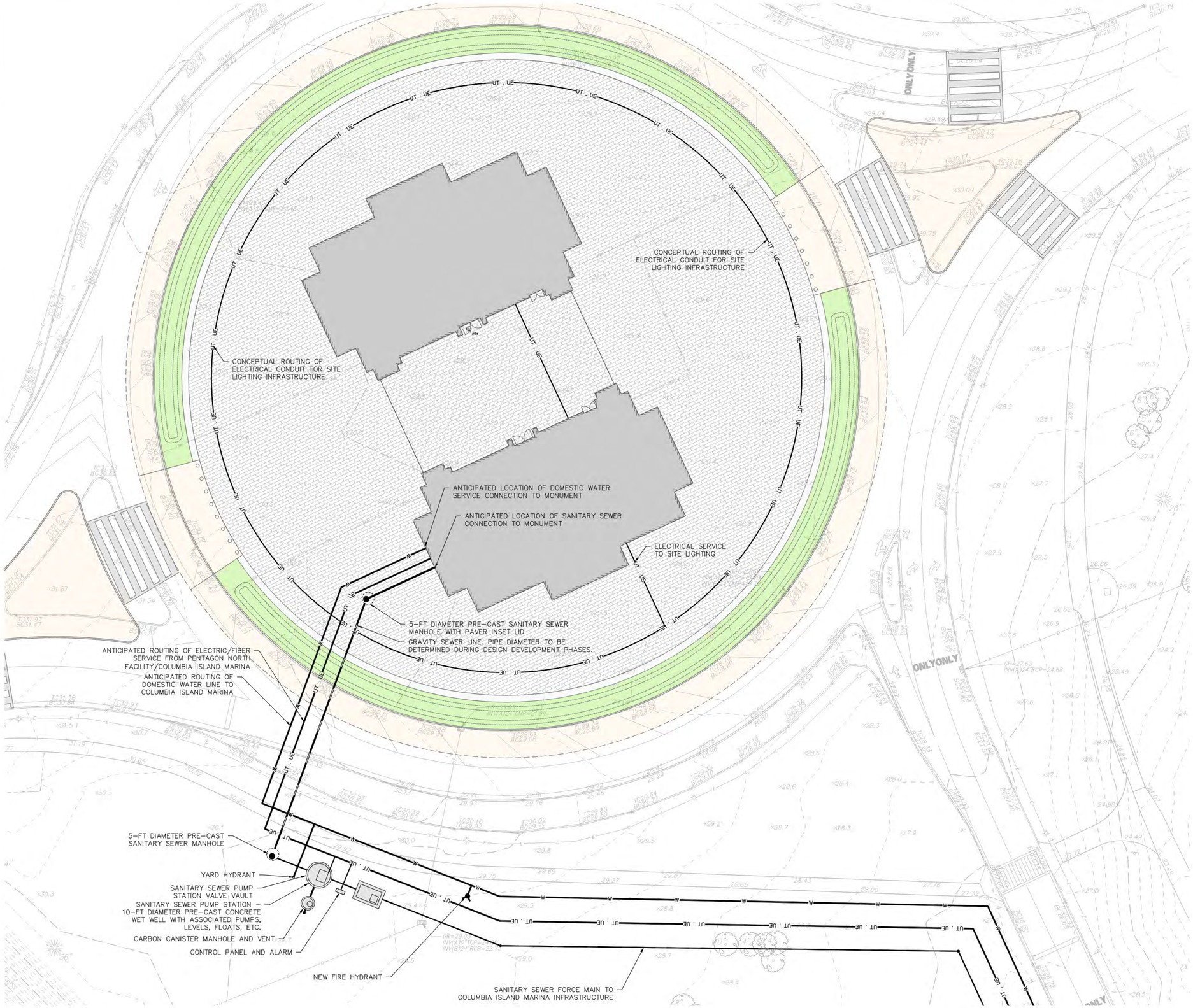
OFFSITE UTILITY ROUTING - OPTION 3

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UTILITY PLAN NOTES:

1. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND MEP PLANS AND SPECIFICATIONS FOR ACTUAL LOCATIONS OF ALL UTILITY ENTRANCES TO THE STRUCTURE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, UTILITY LOCATIONS, AND INVERTS PRIOR TO CONSTRUCTION. ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN BY THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
3. ALL SANITARY SEWER AND WATER LINE WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION (DC WATER, ARLINGTON NATIONAL CEMETERY, NATIONAL PARK SERVICE, AND/OR ARLINGTON COUNTY.
4. ALL PLANS SHALL BE SUBMITTED TO ALL AHJs FOR REVIEW AND APPROVAL AS PART OF THE DESIGN DEVELOPMENT AND PERMITTING PROCESS.
5. CONTRACTOR SHALL PERFORM TEST PITS AT THE LOCATIONS OF ALL PROPOSED UTILITY CROSSINGS.
6. ALL UTILITY INFRASTRUCTURE THAT IS INSTALLED ABOVE GRADE (IE. SUSPENDED FROM BRIDGES) SHALL BE INSTALLED WITH INSULATION AND/OR HEAT TRACE TAPE TO ASSURE YEAR ROUND SYSTEM FUNCTIONALITY.
7. DOMESTIC WATER DEMANDS AND SANITARY SEWER LOADS HAVE NOT YET BEEN DEVELOPED BY THE MEP ENGINEER AND THE PROPOSED INFRASTRUCTURE HAS NOT YET BEEN SIZED.

Date	Description	No.

Revisions

Signature Date

LANGAN
Langan Engineering and Environmental Services, LLC
1300 Wilson Blvd
Arlington, VA 22209
www.langan.com

Project

CONFIDENTIAL PROJECT

GEORGE WASHINGTON MEMORIAL PARKWAY
PAR03170001
WASHINGTON DISTRICT OF COLUMBIA

Drawing Title

UTILITY PLAN

Project No.	Drawing No.
270228201	CU104A
Date: 05/29/2026	
Drawn By: AMF	
Checked By: RCL	

LANGAN
Project No. 001234501

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Date: 5/29/2026 Time: 17:07 User: afletcher Style Table: Langan.stb Layout: Layout1 Document Code: 270228201-0301-CU101-0108



Date	Description	No.

Revisions

Signature Date

LANGAN
Langan Engineering and Environmental Services, LLC
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Arlington, VA 22209
www.langan.com

Project

CONFIDENTIAL PROJECT

GEORGE WASHINGTON MEMORIAL PARKWAY
PAR03170001
WASHINGTON DISTRICT OF COLUMBIA

Drawing Title

OFFSITE UTILITY ROUTING - OPTION 4

Project No.	Drawing No.
270228201	CU104B
Date: 05/29/2026	
Drawn By: AMF	
Checked By: RCL	

LANGAN Project No. 001234501

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Date: 5/29/2026 Time: 16:50 User: afletcher Style Table: Langan.stb Layout: Layout1 Document Code: 270228201-0301-CU101-0105



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 35 - UNCHANGED

AUGUST 21, 2026

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 43 - BEFORE

AUGUST 21, 2026

HARRISON DESIGN

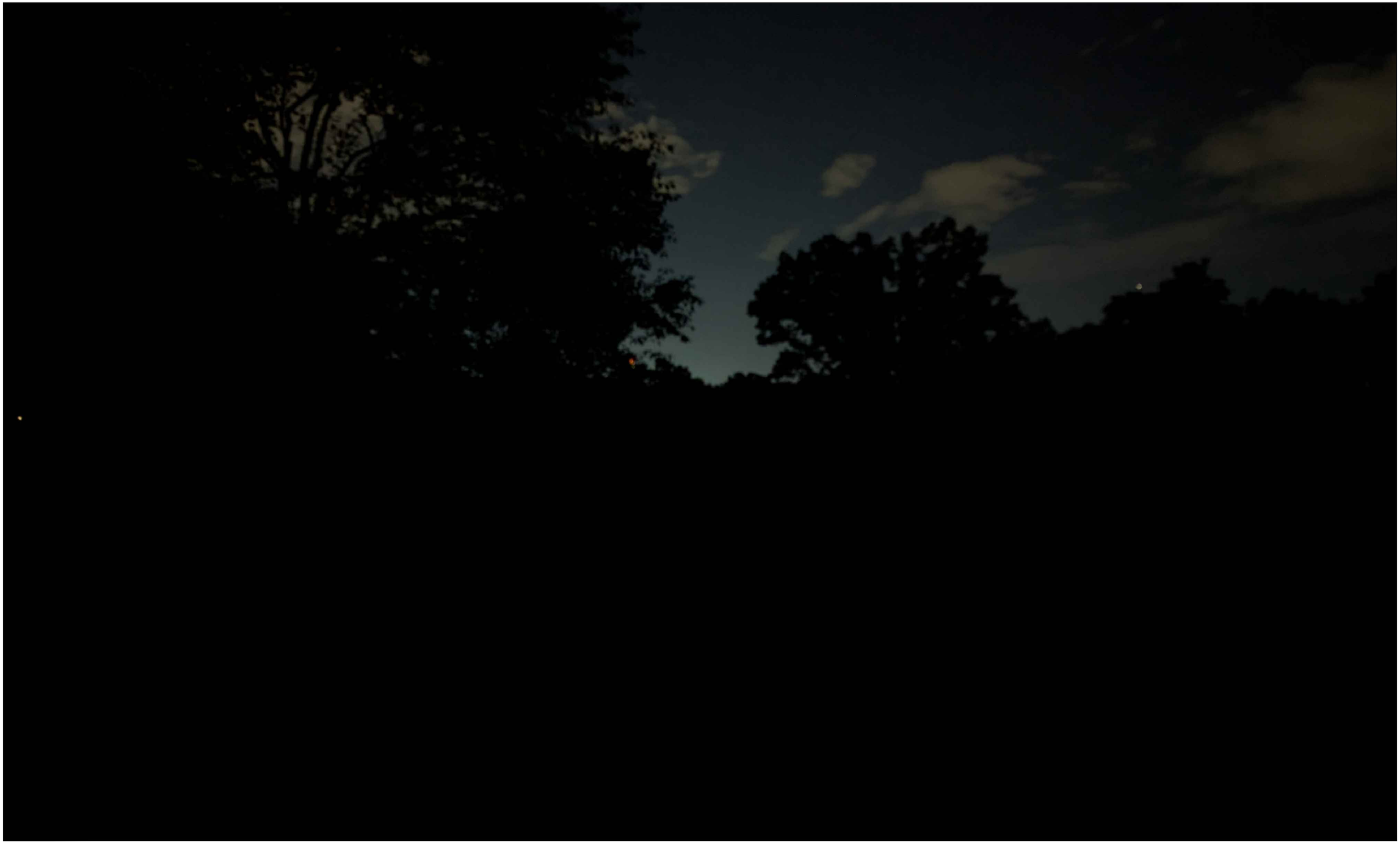


TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 43 - AFTER

AUGUST 21, 2026

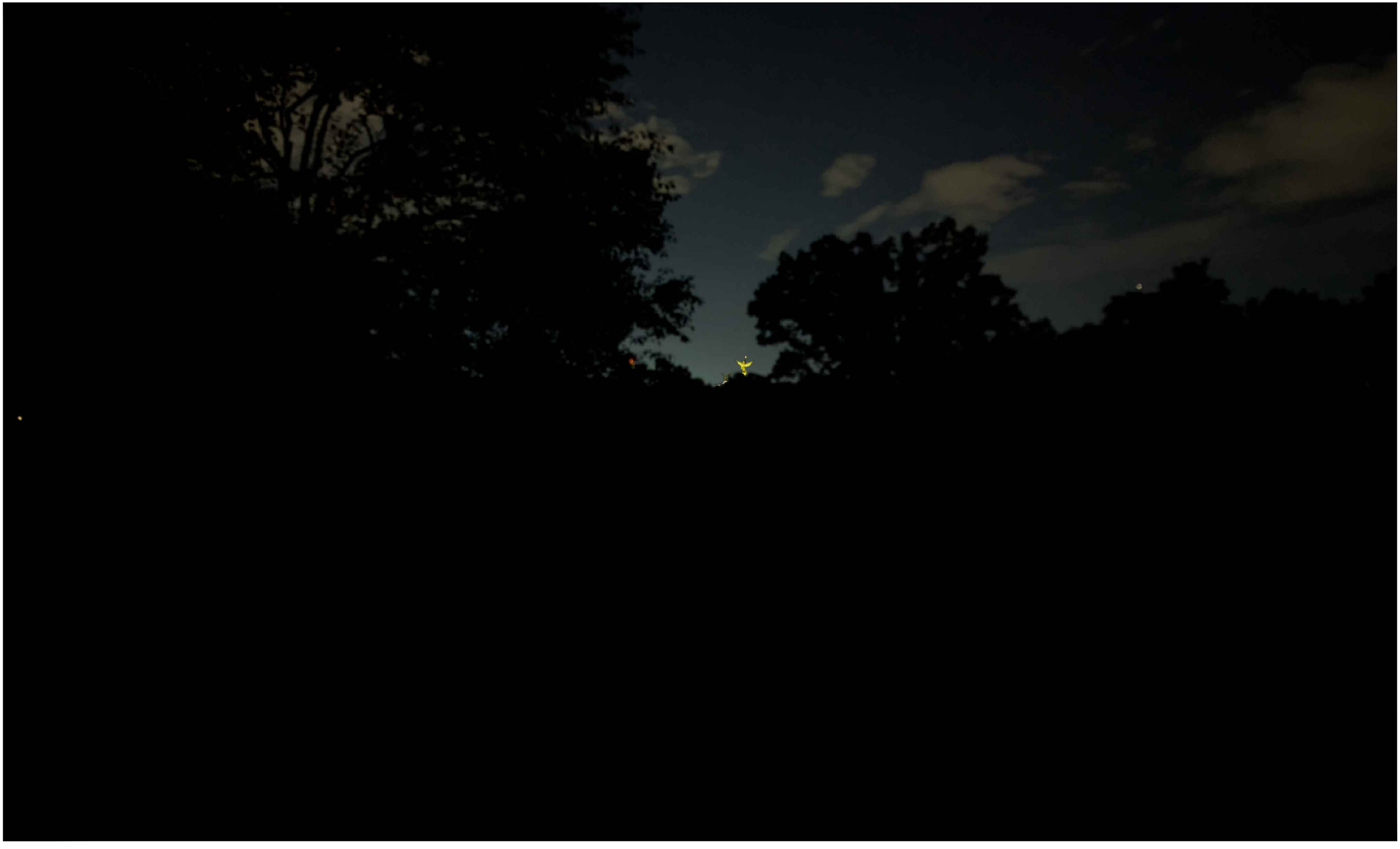
HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 43 - NIGHT - BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 43 - NIGHT - AFTER

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 55 - BEFORE

AUGUST 21, 2026

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 55 - AFTER

AUGUST 21, 2026

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 57 - BEFORE

AUGUST 21, 2026

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 57 - AFTER

AUGUST 21, 2026

HARRISON DESIGN


KEY PLAN: MAP SOURCE: GOOGLE

TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 60 - UNCHANGED

AUGUST 21, 2026

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 60 - NIGHT - UNCHANGED

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 66 - UNCHANGED

AUGUST 21, 2026

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 73 - BEFORE

AUGUST 21, 2026

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 73 - AFTER

AUGUST 21, 2026

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 74 - BEFORE

AUGUST 21, 2026

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 74 - AFTER

AUGUST 21, 2026

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 75 - BEFORE

AUGUST 21, 2026

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 75 - AFTER

AUGUST 21, 2026

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 76 - BEFORE

AUGUST 21, 2026

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY SECTION 76 - AFTER

AUGUST 21, 2026

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

LEE HOUSE PORTICO - BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

LEE HOUSE PORTICO - AFTER

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

LEE HOUSE PORTICO - NIGHT - BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

LEE HOUSE PORTICO - NIGHT - AFTER

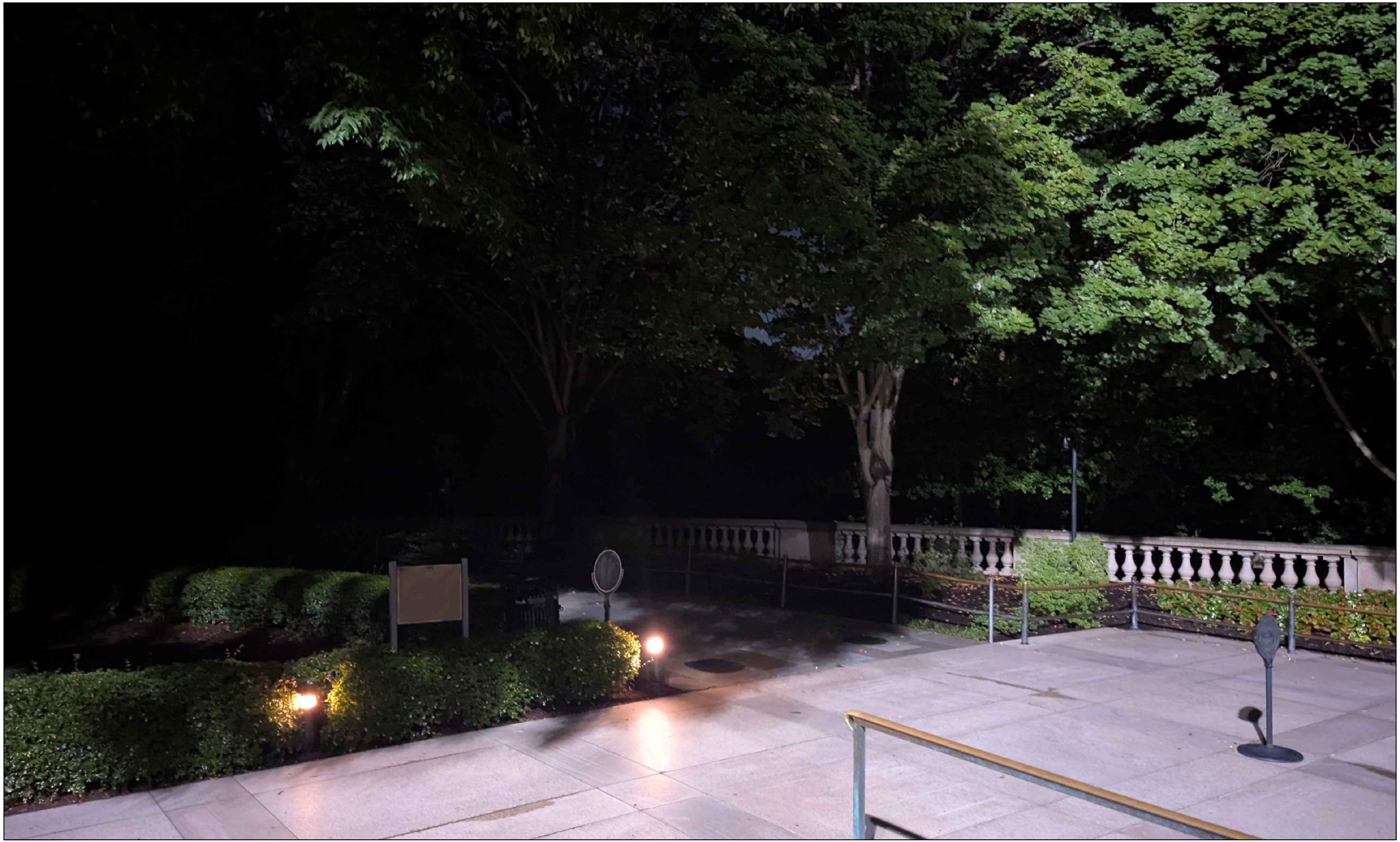
HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY - TOMB OF THE UNKNOWN SOLDIER - UNCHANGED

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY - TOMB OF THE UNKNOWN SOLDIER - UNCHANGED

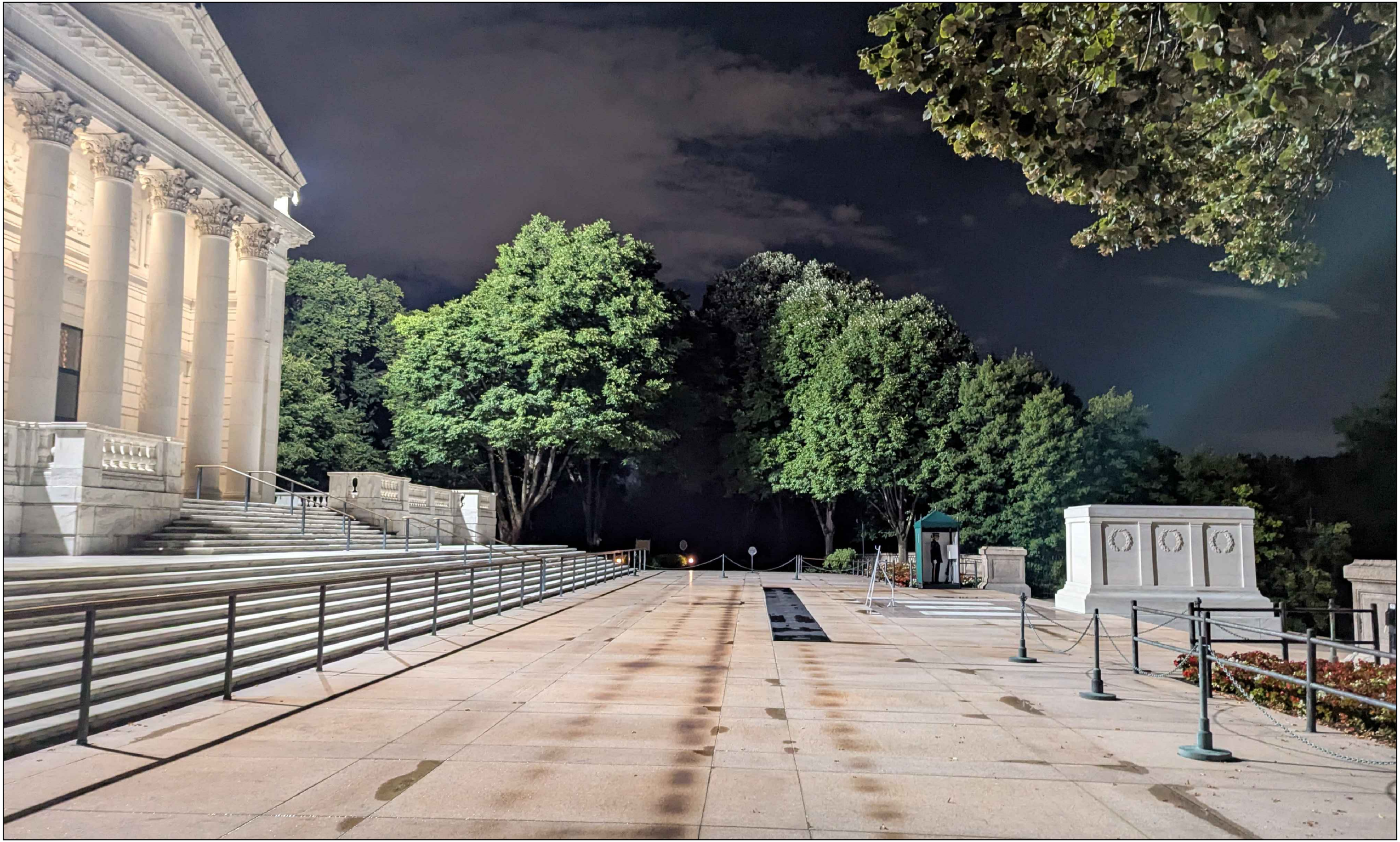
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TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY - TOMB OF THE UNKNOWN SOLDIER - UNCHANGED

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

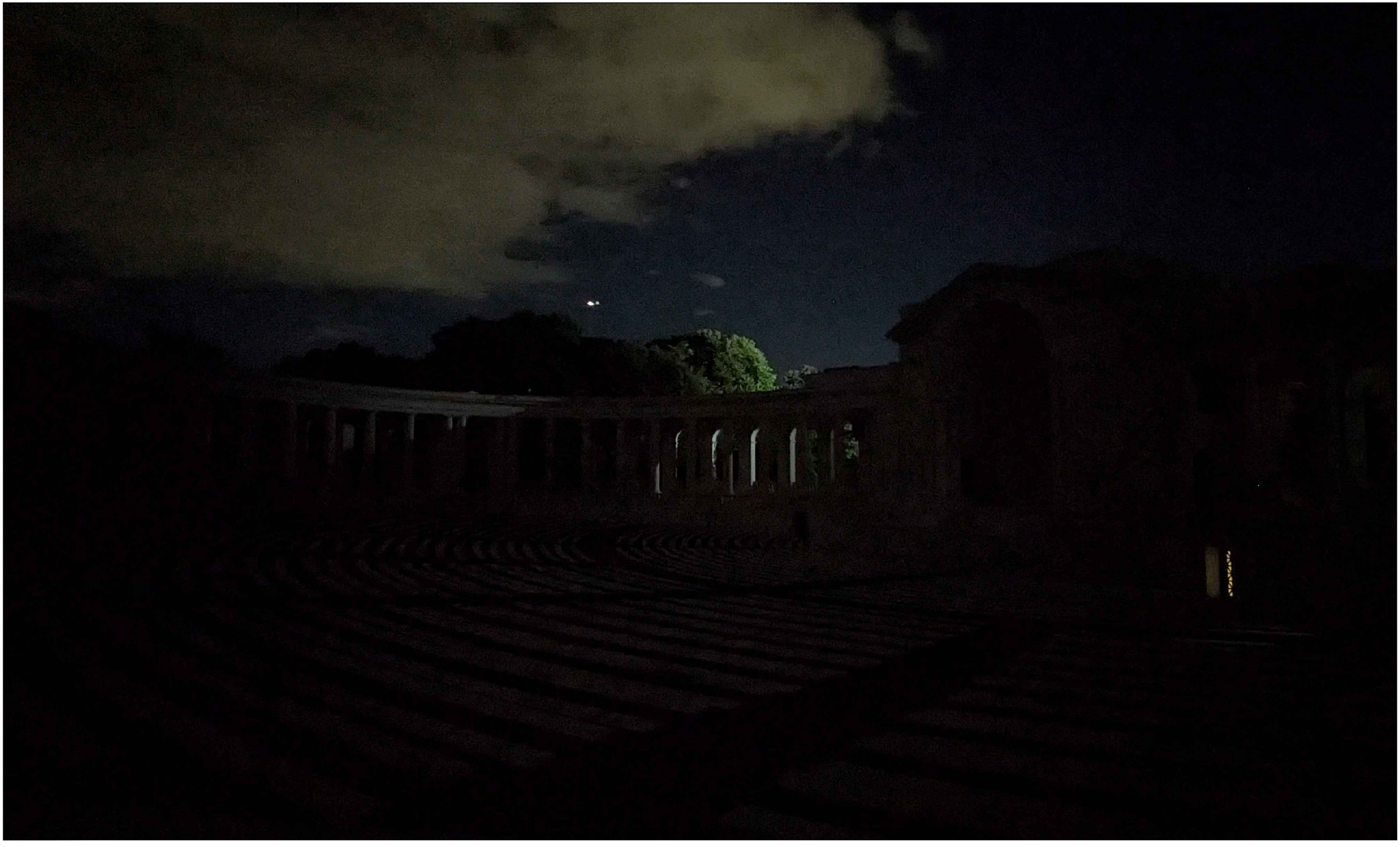
ARLINGTON NATIONAL CEMETERY - TOMB OF THE UNKNOWN SOLDIER - NIGHT - UNCHANGED

HARRISON DESIGN

TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY - MEMORIAL AMPHITHEATER - UNCHANGED

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

ARLINGTON NATIONAL CEMETERY - MEMORIAL AMPHITHEATER - NIGHT - UNCHANGED

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

NETHERLANDS CARILLON - BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

NETHERLANDS CARILLON - AFTER

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

NETHERLANDS CARILLON - NIGHT - BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

NETHERLANDS CARILLON - NIGHT - AFTER

HARRISON DESIGN

TRIUMPHAL ARCH - WASHINGTON, DC

US MARINE CORPS WAR MEMORIAL - BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

US MARINE CORPS WAR MEMORIAL - AFTER

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

US MARINE CORPS WAR MEMORIAL - NIGHT - BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

US MARINE CORPS WAR MEMORIAL - NIGHT - AFTER

HARRISON DESIGN

TRIUMPHAL ARCH - WASHINGTON, DC

MEMORIAL CIRCLE - BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

MEMORIAL CIRCLE - AFTER

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

MEMORIAL CIRCLE - NIGHT - BEFORE

HARRISON
DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

MEMORIAL CIRCLE - NIGHT - AFTER

HARRISON
DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

LINCOLN PORCH - BEFORE

HARRISON DESIGN



KEY PLAN: MAP SOURCE: GOOGLE

TRIUMPHAL ARCH - WASHINGTON, DC

LINCOLN PORCH - AFTER

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

LINCOLN PORCH - NIGHT - BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

LINCOLN PORCH - NIGHT - AFTER

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

WATERGATE STEPS - BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

WATERGATE STEPS - AFTER

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

WATERGATE STEPS - NIGHT- BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

WATERGATE STEPS - NIGHT- AFTER

HARRISON DESIGN

TRIUMPHAL ARCH - WASHINGTON, DC

KEY BRIDGE - BEFORE

HARRISON DESIGN

TRIUMPHAL ARCH - WASHINGTON, DC

KEY BRIDGE - AFTER

HARRISON DESIGN

TRIUMPHAL ARCH - WASHINGTON, DC

KEY BRIDGE - NIGHT - BEFORE

HARRISON DESIGN

TRIUMPHAL ARCH - WASHINGTON, DC

KEY BRIDGE - NIGHT - AFTER

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

JEFFERSON MEMORIAL - BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

JEFFERSON MEMORIAL - AFTER

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

JEFFERSON MEMORIAL - NIGHT - BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

JEFFERSON MEMORIAL - NIGHT - AFTER

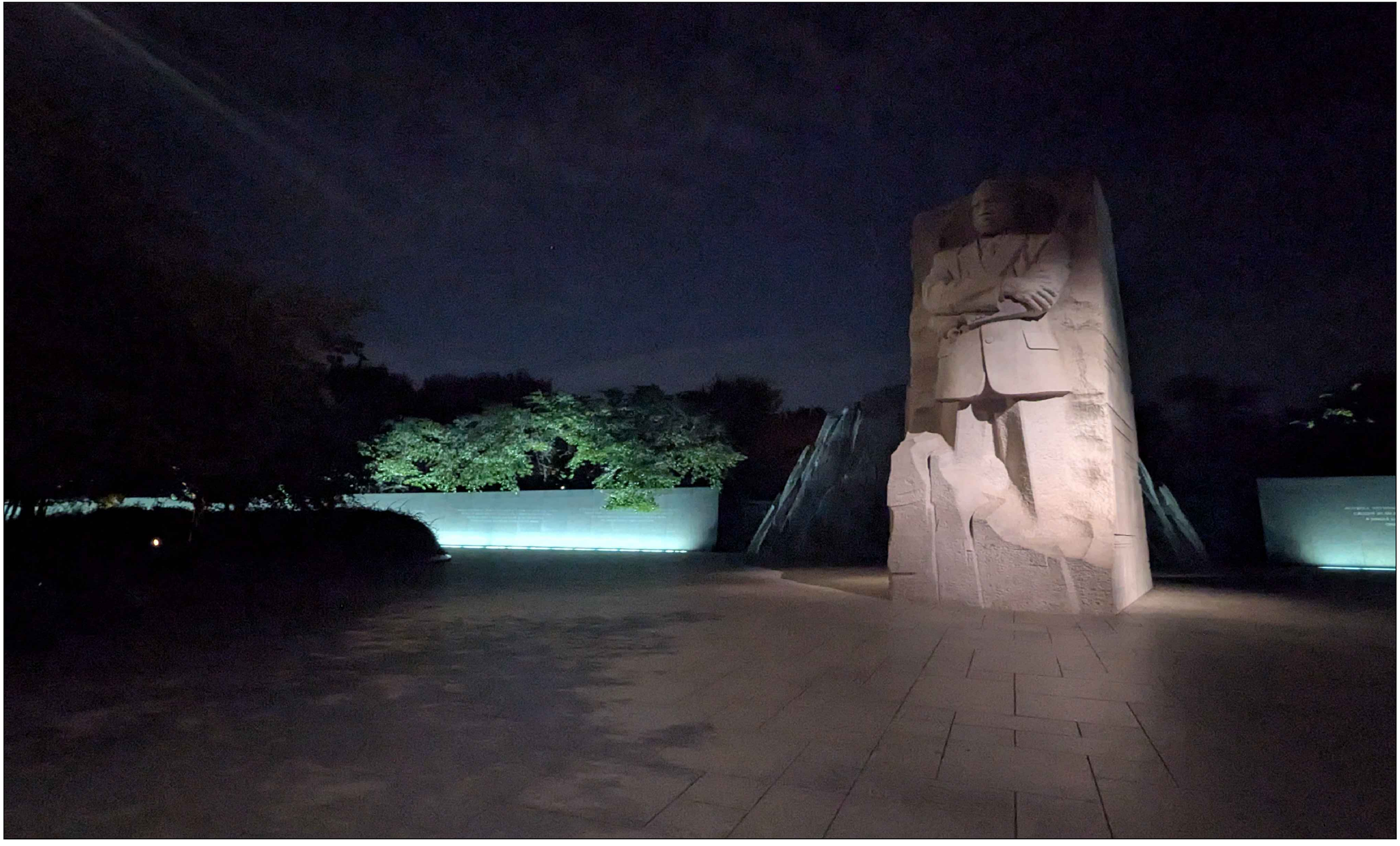
HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

MARTIN LUTHER KING JR. MEMORIAL - UNCHANGED

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

MARTIN LUTHER KING JR. MEMORIAL - NIGHT - UNCHANGED

HARRISON DESIGN

TRIUMPHAL ARCH - WASHINGTON, DC

WORLD WAR II MEMORIAL - UNCHANGED

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

WORLD WAR II MEMORIAL - NIGHT - UNCHANGED

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

WASHINGTON MONUMENT - BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

WASHINGTON MONUMENT - AFTER

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

WASHINGTON MONUMENT - NIGHT - BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

WASHINGTON MONUMENT - NIGHT - AFTER

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

PENTAGON - MALL TERRACE - BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

PENTAGON - MALL TERRACE - AFTER

HARRISON DESIGN

TRIUMPHAL ARCH - WASHINGTON, DC

PENTAGON - RIVER TERRACE - BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

PENTAGON - RIVER TERRACE - AFTER

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

PENTAGON - RIVER TERRACE - NIGHT - BEFORE

HARRISON DESIGN



TRIUMPHAL ARCH - WASHINGTON, DC

PENTAGON - RIVER TERRACE - NIGHT - AFTER

HARRISON DESIGN