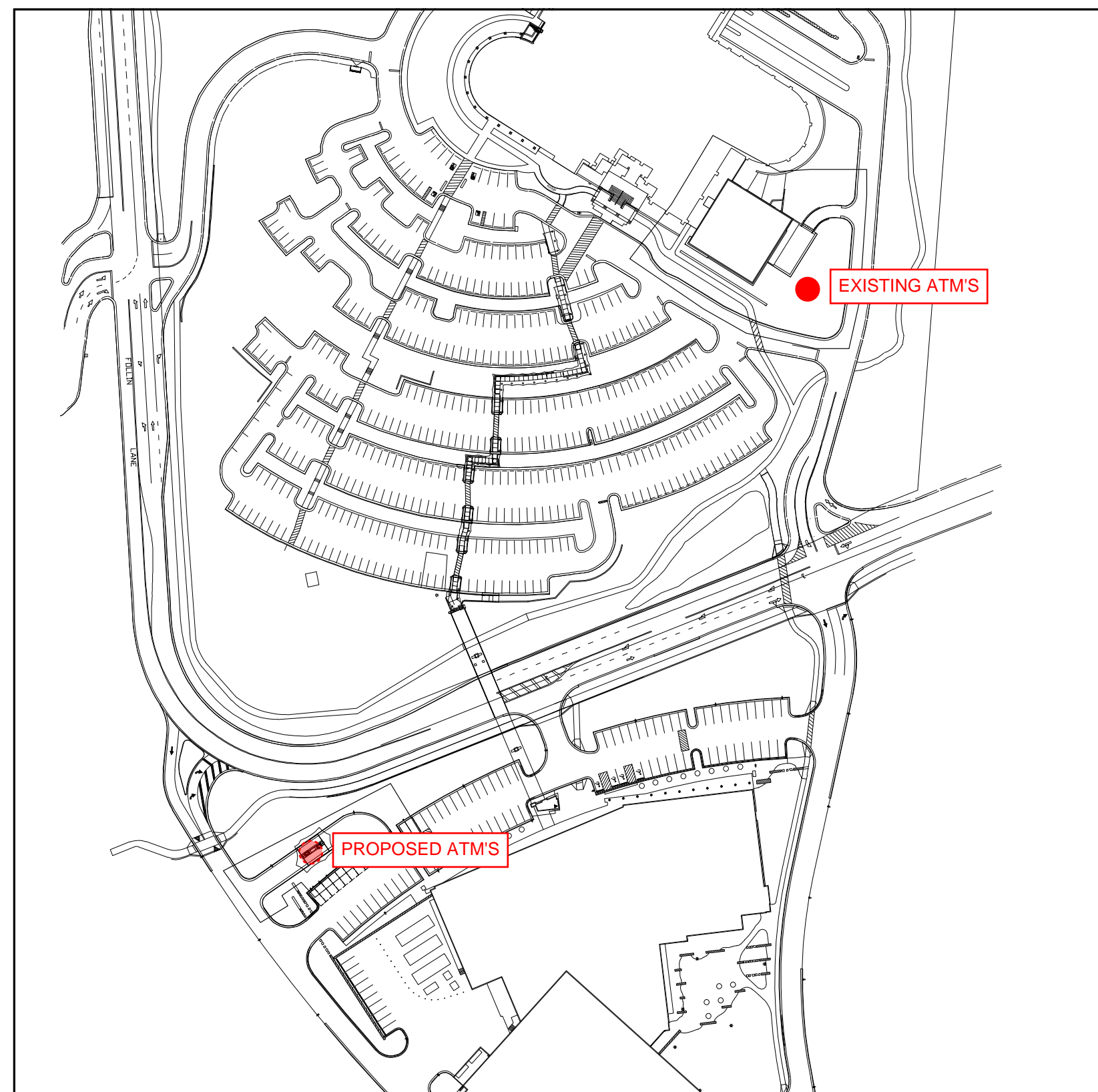




\*SEE PAGE 21 FOR PHOTOS OF ADJACENT  
RESIDENTIAL AND WNOD TRAIL









NAVY FEDERAL CREDIT UNION  
HQ2 ATM ADDITION

1007 ELECTRIC AVE  
VIENNA, VIRGINIA 22180

**OWNER:**  
NAVY FEDERAL CREDIT UNION (NFCU)  
820 FOLLIN LANE, SE  
VIENNA, VA 22180  
703.206.3984 / CONTACT: TIM MARKLE

**ARCHITECT:**  
ASD, INC.  
3030 CLARENDON BLVD, SUITE 350  
ARLINGTON, VA 22201  
404.688.3318 / CONTACT : EVAN BURCH

**CIVIL ENGINEER**  
DEWBERRY  
8401 ARLINGTON BLVD  
FAIRFAX, VA 22031  
703.849.0497 / CONTACT: TIM CULLEITON

**LANDSCAPE**  
DEWBERRY  
8401 ARLINGTON BLVD  
FAIRFAX, VA 22031  
703.840.1900 / CONTACT: JACK STORY

**STRUCTURAL ENGINEER**  
DEWBERRY  
8401 ARLINGTON BLVD  
FAIRFAX, VA 22031  
919.424.3754 / CONTACT: JOE WOLHAR

**ELECTRICAL ENGINEER**  
DEWBERRY  
8401 ARLINGTON BLVD  
FAIRFAX, VA 22031  
703.645.9711 / CONTACT: RAY HOLDENER

**LOW VOLTAGE, SECURITY, TELECOM**  
NEWCOMB & BOYD  
303 PEACHTREE CENTER AVE NE SUITE 525  
ATLANTA, GA 30303  
404.293.5577 / CONTACT: MATT HOLLAND

ISSUED FOR: CONFORMED SET  
ISSUE DATE: 04/24/25











VIEW FROM NORTH

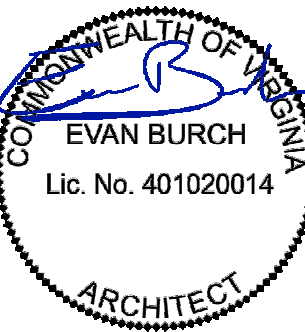
ASD | SKY

3030 Clarendon Blvd.  
Suite 350  
Arlington, VA 22201  
T 703.876.9600  
www.asdsky.com

NAVY  
FEDERAL  
CREDIT UNION

HQ1 AUDITORIUM  
ADDITION AND  
INTERIOR  
RENOVATIONS

820 FOLLIN LANE SE, VIENNA,  
VA 22180



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Associated Space Design, Inc. 2025

NO.	DATE	REVISIONS
0	04/07/25	FOR PERMIT AND PRICING
0	03/28/25	FOR PERMIT
C	02/21/25	90% CD
B	12/13/24	100% DD
A	11/08/24	50% DD

DRAWING TITLE:  
PROJECT INFORMATION

PROJECT NO:	ISSUE DATE:
71473.00	04/07/25
DRAWN BY:	CHECKED BY:
MP/EB	GC
SHEET NUMBER:	

A0.01





VIEW FROM NORTHWEST

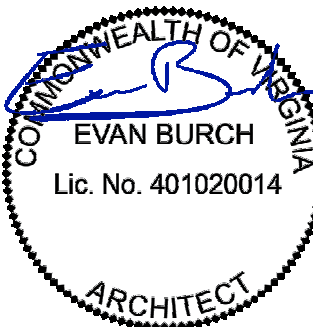
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Arlington, VA 22201  
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www.asdsky.com

NAVY  
FEDERAL  
CREDIT UNION

HQ1 AUDITORIUM  
ADDITION AND  
INTERIOR  
RENOVATIONS

820 FOLLIN LANE SE, VIENNA,  
VA 22180



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Associated Space Design, Inc. 2025

NO.		DATE	REVISIONS
1	04/07/25	FOR PERMIT AND PRICING	
2	03/28/25	FOR PERMIT	
3	02/11/25	90% CD	
4	12/13/24	100% DD	
5	11/08/24	50% DD	

PROJECT INFORMATION

PROJECT NO:	71473.00	ISSUE DATE:	04/07/25
DRAWN BY:	MP/EB	CHECKED BY:	GC
SHEET NUMBER:			

A0.01





VIEW FROM SOUTH

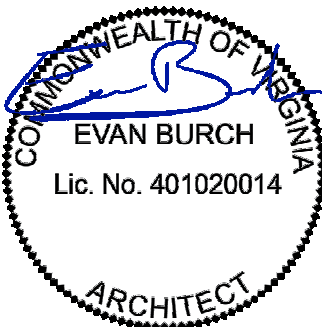
ASD | SKY

3030 Clarendon Blvd.  
Suite 350  
Arlington, VA 22201  
T 703.876.9600  
www.asdsky.com

NAVY  
FEDERAL  
CREDIT UNION

HQ1 AUDITORIUM  
ADDITION AND  
INTERIOR  
RENOVATIONS

820 FOLLIN LANE SE, VIENNA,  
VA 22180



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NO.	DATE	REVISIONS
0	04/07/25	FOR PERMIT AND PRICING
0	03/28/25	FOR PERMIT
C	02/11/25	90% CD
B	12/13/24	100% DD
A	11/08/24	50% DD

PROJECT INFORMATION	
PROJECT NO:	ISSUE DATE:
71473.00	04/07/25
DRAWN BY:	CHECKED BY:
MP/EB	GC
SHEET NUMBER:	

A0.01



CODE ANALYSIS

I. AUTHORITIES HAVING JURISDICTION:		TOWN OF VIENNA / FAIRFAX COUNTY	
A. JURISDICTION		CONTACT: JILL G. COOPER – 703-246-4800	
B. PLANNING		CONTACT: JOHN WALSER – 703-246-4800	
C. FIRE MARSHAL			
II. APPLICABLE BUILDING CODES:			
A. BUILDING/DWELLING CODE	2021	VIRGINIA CONSTRUCTION CODE	
B. PLUMBING CODE	2021	VIRGINIA PLUMBING CODE	
C. MECHANICAL CODE:	2021	VIRGINIA MECHANICAL CODE	
D. ELECTRICAL CODE:	2021	VIRGINIA ELECTRICAL CODE	
E. FIRE CODE	2021	VIRGINIA FIRE CODE	
F. GAS CODE	2021	VIRGINIA GAS CODE	
G. ENERGY CODE	2021	VIRGINIA ENERGY CONSERVATION CODE	
H. LIFE SAFETY CODE	2021	VIRGINIA CONSTRUCTION CODE	
I. ACCESSIBILITY:	2017	ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (ICC / ANSI A117.1)	
IV. GENERAL BUILDING FEATURES::			
A. CONSTRUCTION TYPE:	TYPE V-B	VIRGINIA CONSTRUCTION CODE,	TABLE 601
B. BUILDING HEIGHT:	15'-4"	VIRGINIA CONSTRUCTION CODE,	TABLE 504.3
C. NO. OF STORIES:	1	VIRGINIA CONSTRUCTION CODE,	TABLE 504.4
D. BUILDING AREA:	1148 SF	VIRGINIA CONSTRUCTION CODE,	TABLE 506.2
E. NO. EXITS PER FLOOR:	—		
F. FIRE RESISTANCE RATINGS FOR BUILDING ELEMENTS:			
1. PRIMARY STRUCTURAL FRAME	0	VIRGINIA CONSTRUCTION CODE,	TABLE 601
2. BEARING WALLS:	0		
a. EXTERIOR	0		
b. INTERIOR	0		
3. NON BEARING WALLS + PARTITIONS			
a. EXTERIOR			
1. IF LESS THAN 5 FEET	0		
2. IF BETWEEN 5 FEET AND 10 FEET	0		
3. IF OVER 30 FEET	0		
4. NON BEARING WALLS + PARTITIONS			
b. INTERIOR	N/A		
5. FLOOR CONSTRUCTION	N/A		
6. ROOF CONSTRUCTION:	0		
7. CORRIDOR / TENANT SEPARATION	N/A		
8. SHAFT ENCLOSURES	N/A		
G. ELEVATOR LOBBY:	N/A		
H. HORIZONTAL EXIT:	N/A		
J. EXIT ACCESS CORRIDORS:	N/A		
V. OCCUPANCY CLASSIFICATION			
A. CLASSIFICATION TYPE:	U – UTILITY AND MISCELLANEOUS	VIRGINIA CONSTRUCTION CODE,	312.1
B. CONSTRUCTION AREA:	1148 SF		
C. OCCUPANT LOAD:	UNOCCUPIED		
D. FIXTURE REQUIREMENTS:	N/A		
VI. EGRESS REQUIREMENTS			
A. MAXIMUM TRAVEL DISTANCE	100'		
B. MAXIMUM DEAD END CORRIDOR	N/A		
C. COMMON PATH OF TRAVEL	N/A		
D. EXIT SEPARATION	N/A		
E. MINIMUM OPENING OF EXIT DOORS	N/A		
F. MINIMUM EXIT RAMP / STAIR WIDTH	N/A		
G. MINIMUM CORRIDOR WIDTH	N/A		
H. EGRESS CAPACITY (WIDTH PER PERSON)	N/A		

PROJECT DESCRIPTION

This project includes the addition of a new two-way drive-through ATM located in the front yard setback of the existing NFCU HQ2 building. The site is a grass field with sparse trees. We propose to build a new driveway to accommodate the ATMS and a fabric tensile structure to provide shade and cover from the weather.

The new driveway approach will accommodate up to twelve stacked vehicles within the new drive area without backing up onto the campus roadways or parking lots.

These two new ATMs are intended to replace the two existing ATMs on the HQ1 building site. The existing ATMs are anticipated to be removed as soon as the new ones are constructed.

A Special Use Variance will be required by the Zoning Department to allow drive-through ATMs to be located in the front yard setback of the property.

Refer to BZA-25136 Variance Request that was submitted on 3/28/25 and approved by Town of Vienna Board of Zoning Appeals on 4/16/25.

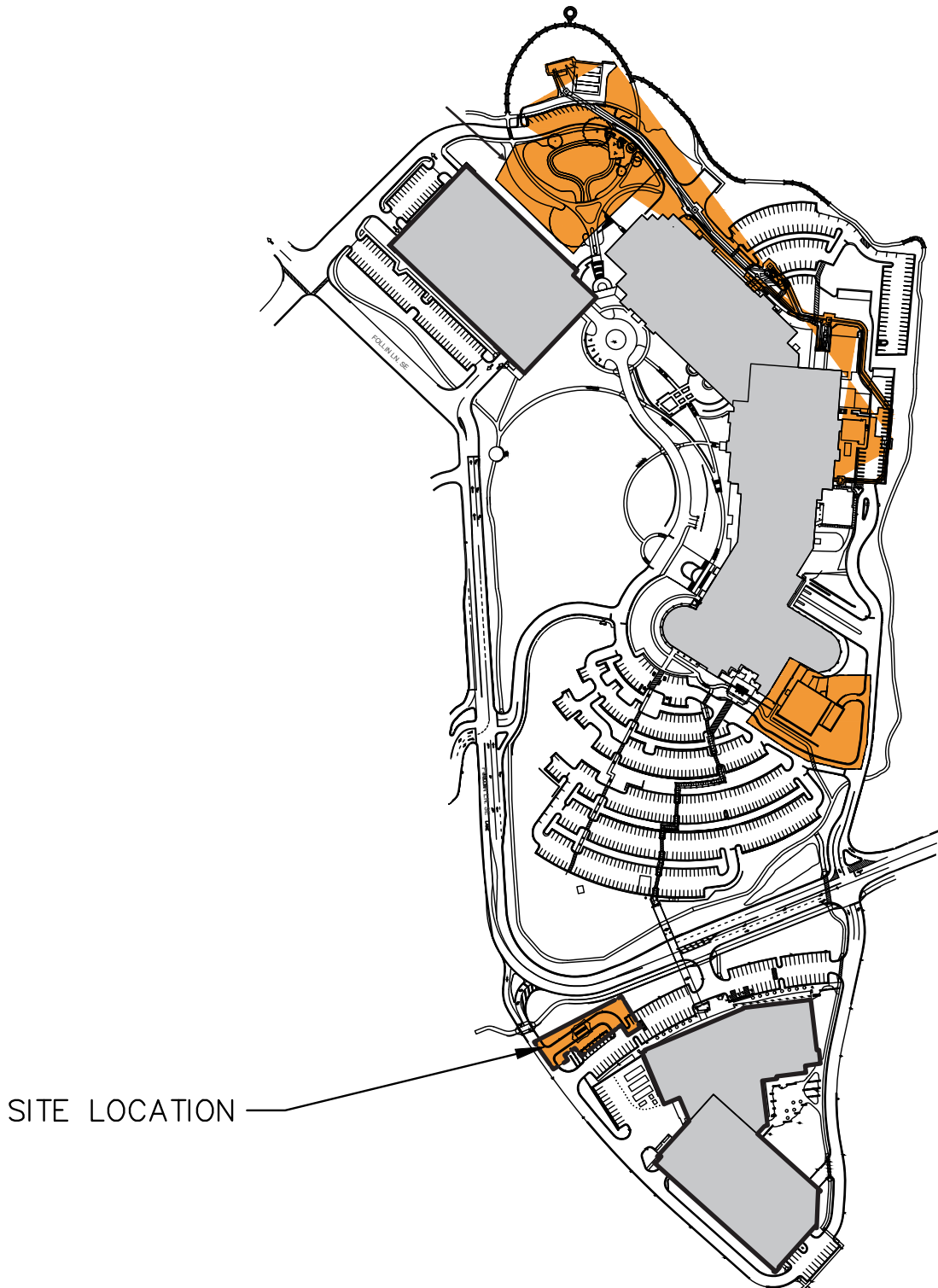
INDEX OF DRAWINGS

SHEET NO.	SHEET TITLE	ORIGINAL ISSUE DATE	REVISION NO.	REVISION ISSUE DATE
CIVIL				
C-001	COVER SHEET	01.24.2025	0	
C-002	ABBREVIATIONS, NOTES & LEGEND	01.24.2025	0	
C-101	EXISTING CONDITIONS AND DEMO PLAN	01.24.2025	0	
C-102	SITE PLAN	01.24.2025	0	
C-103	PAVEMENT PLAN	01.24.2025	0	
C-201	EROSION & SEDIMENT CONTROL PLAN PH I	01.24.2025	0	
C-202	EROSION & SEDIMENT CONTROL PLAN PH II	01.24.2025	0	
C-203	EROSION & SEDIMENT CONTROL NARRATIVE	01.24.2025	0	
C-204	EROSION & SEDIMENT CONTROL DETAILS	01.24.2025	0	
C-205	EROSION & SEDIMENT CONTROL DETAILS	01.24.2025	0	
C-301	STORM SEWER PROFILES	01.24.2025	0	
C-501	CONSTRUCTION DETAILS	01.24.2025	0	
SW-200	SWM DRAINAGE MAP (PRE-DEVELOPMENT)	01.24.2025	0	
SW-201	SWM DRAINAGE MAP (POST-DEVELOPMENT)	01.24.2025	0	
SW-300	SWM NARRATIVE	01.24.2025	0	
SW-301	VRRM SPREADSHEET	01.24.2025	0	
SW-302	SWM COMPUTATIONS	01.24.2025	0	
SW-400	SWM DETAILS	01.24.2025	0	
SW-401	SWM DETAILS	01.24.2025	0	
SW-402	SWM DETAILS	01.24.2025	0	
SW-403	SWM DETAILS	01.24.2025	0	
SW-404	SWM DETAILS	01.24.2025	0	
LANDSCAPE				
L-101	LANDSCAPE PLAN	01.24.2025	0	
L-201	LANDSCAPE SCHEDULE & DETAILS	01.24.2025	0	
ARCHITECTURAL AND SIGNAGE				
G0.00	COVER SHEET	01.24.2025	1	04.24.2025
G0.01	INDEX AND PROJECT INFORMATION	01.24.2025	3	04.24.2025
A1.01	NFCU CAMPUS DEVELOPMENT PLAN	01.24.2025	0	
A2.01	ARCHITECTURAL AND SIGNAGE DEMOLITION PLAN	01.24.2025	0	
A3.01	ARCHITECTURAL AND SIGNAGE PLAN	01.24.2025	0	
A4.01	ENLARGED PLANS, ELEVATIONS, AND DETAILS	01.24.2025	0	
A4.02	ENLARGED PLANS, ELEVATIONS, AND DETAILS	01.24.2025	0	
A4.03	SIGNAGE DETAILS	01.24.2025	0	
	LIGHTING FOOTCANDLE STUDY	01.27.2025	0	
	NFCU DESIGN DIRECTIVE COVER	07.16.2024	0	
	NFCU DESIGN DIRECTIVE A-404	07.15.2024	0	
	NFCU DESIGN DIRECTIVE A-404	07.15.2024	0	
	NFCU DESIGN DIRECTIVE PULLBOX	01.09.2015	0	
STRUCTURAL				
S-001	GENERAL STRUCTURAL NOTES, ABBREVIATIONS, AND SCHEDULES	01.24.2025	0	
S-101	STRUCTURAL FOUNDATION PLAN & DETAILS	01.24.2025	0	
ELECTRICAL				
E0.00	ELECTRICAL COVER SHEET	01.24.2025	2	04.02.2025
E1.01	ELECTRICAL NEW WORK PLAN	01.24.2025	2	04.02.2025
E5.01	ELECTRICAL DETAILS	01.24.2025	0	
E6.01	ELECTRICAL DIAGRAMS AND SCHEDULES	01.24.2025	3	04.02.2025
E7.01	ELECTRICAL SCHEDULES	04.02.2025	1	04.02.2025
TELECOM				
LVD1.00	TELECOM - DEMOLITION SITE PLAN	01.24.2025	0	
LV0.01	LOW VOLTAGE LEGEND & NOTES	01.24.2025	0	
LV0.02	BILL OF MATERIALS	01.24.2025	0	
LV0.03	LOW VOLTAGE PROJECT NOTES	01.24.2025	0	
LV1.03A	TELECOM - HQ2 LOWER LEVEL - AREA A	01.24.2025	0	
LV2.01	TELECOM AND SECURITY - NEW WORK OVERALL SITE PLAN	01.24.2025	0	
LV2.02	TELECOM AND SECURITY - NEW WORK PARTIAL SITE PLAN	01.24.2025	0	
LV5.00	TELECOM AND SECURITY - DETAILS	01.24.2025	0	

ARCHITECTURAL SYMBOLS

	ELEVATION INDICATOR: ELEV. NUMBER - SHEET NUMBER		ROOM TAG
	SECTION INDICATOR: DRAWING NUMBER SHEET NUMBER		REVISION NUMBER
	ENLARGED PLAN/DETAIL: DRAWING NUMBER SHEET NUMBER		CODED NOTE
	ELEVATION HEIGHT INDICATOR: HEIGHT DESCRIPTION		MILLWORK NOTE
	ALIGN ELEMENTS		DOOR & ROOM NUMBER DOOR TYPE HARDWARE SET
	WINDOW TYPE SYMBOL		EQUIPMENT NOTE
			WALL TYPE NOTE

KEY PLAN



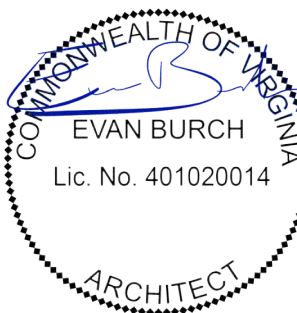
LOCATION MAP



ASD | SKY

NAVY FEDERAL  
CREDIT UNION  
HQ2 ATM ADDITION

1007 ELECTRIC AVE  
VIENNA, VIRGINIA 22180



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Associated Space Design, Inc. 2025

3	04.24.25	CONFORMED SET
2	04.02.25	ADDENDUM #2
1	03.24.25	ADDENDUM #1
0	01.24.25	PRICING AND PERMIT
NO.	DATE	REVISIONS

DRAWING TITLE:  
GENERAL PROJECT  
INFORMATION SHEET

PROJECT NO.: 71498.00	ISSUE DATE: 01.24.2025
DRAWN BY: JLV	CHECKED BY: GC
SHEET NUMBER: G0.01	



**NAVY FEDERAL  
CREDIT UNION  
HQ2 ATM ADDITION**

1007 ELECTRIC AVE  
VIENNA, VIRGINIA 22180



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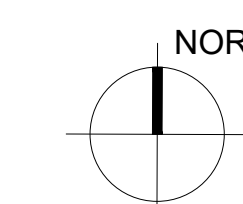
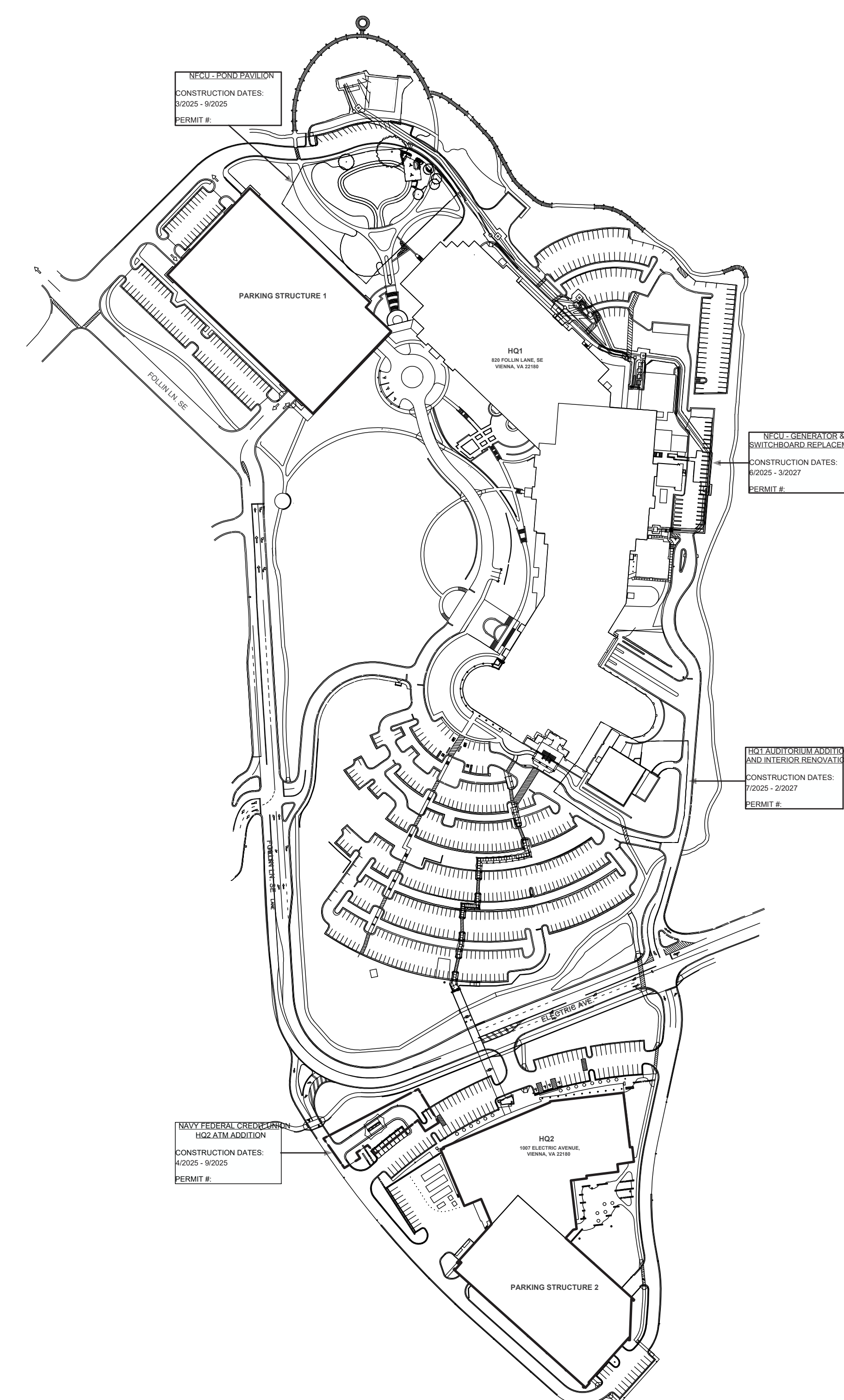
Associated Space Design, Inc. 2025

[illegible]

DRAWING TITLE:  
**NFCU CAMPUS  
DEVELOPMENT PLAN**

PROJECT NO.: <b>71498.00</b>	ISSUE DATE: <b>01.24.2025</b>
DRAWN BY: <b>JLV</b>	CHECKED BY: <b>GC</b>

NUMBER: **A1.01**



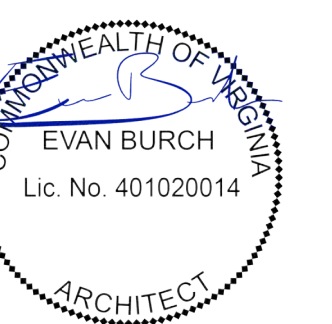






**NAVY FEDERAL  
CREDIT UNION  
HQ2 ATM ADDITION**

1007 ELECTRIC AVE  
LENNA, VIRGINIA 22180



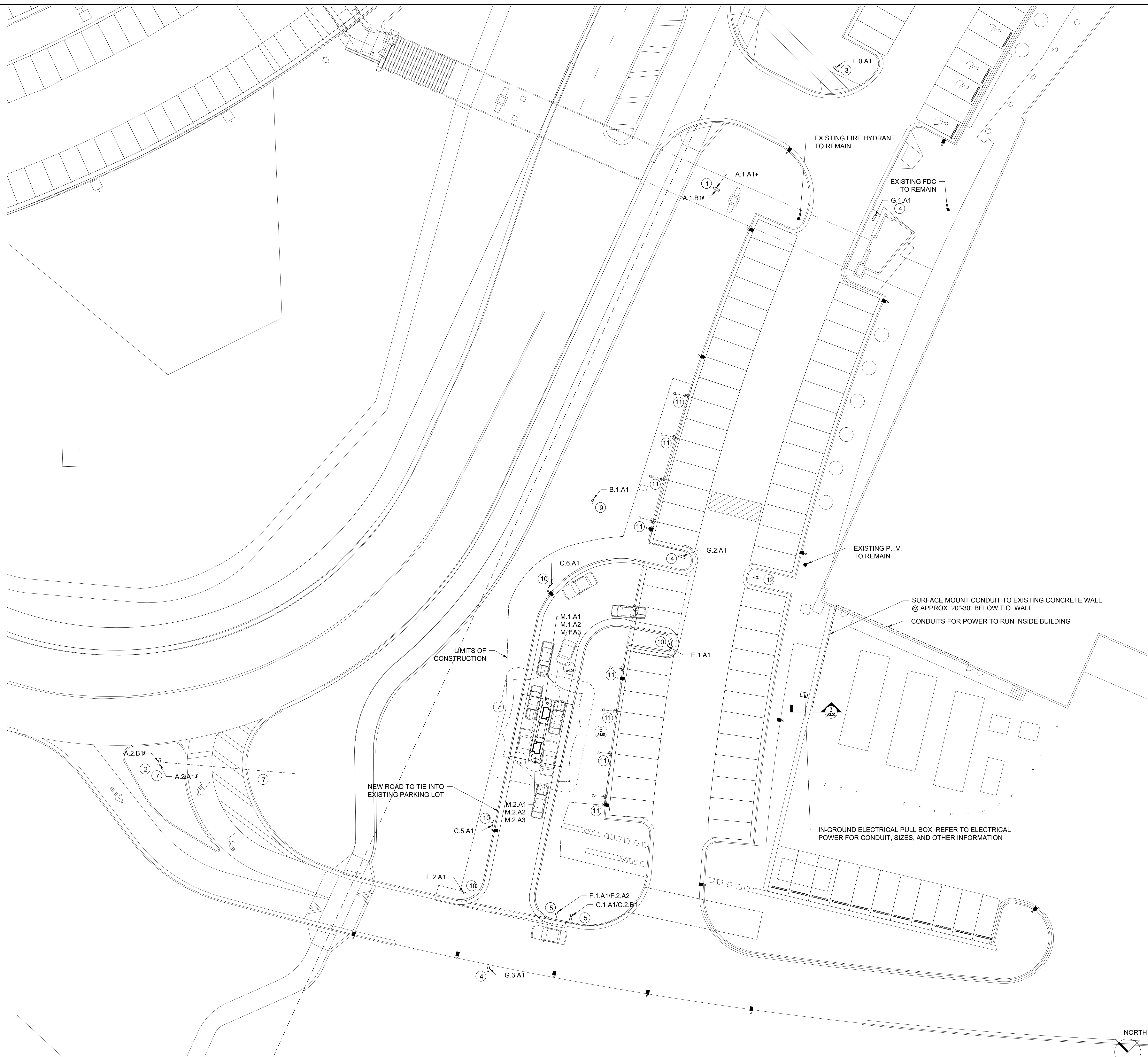
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**Associated Space Design, Inc. 2025**

[illegible]

DRAWING TITLE:	
ARCHITECTURAL AND SIGNAGE SITE PLAN	
PROJECT NO:	ISSUE DATE:
71498.00	01.24.2025
DRAWN BY:	CHECKED BY:
JLV	GC

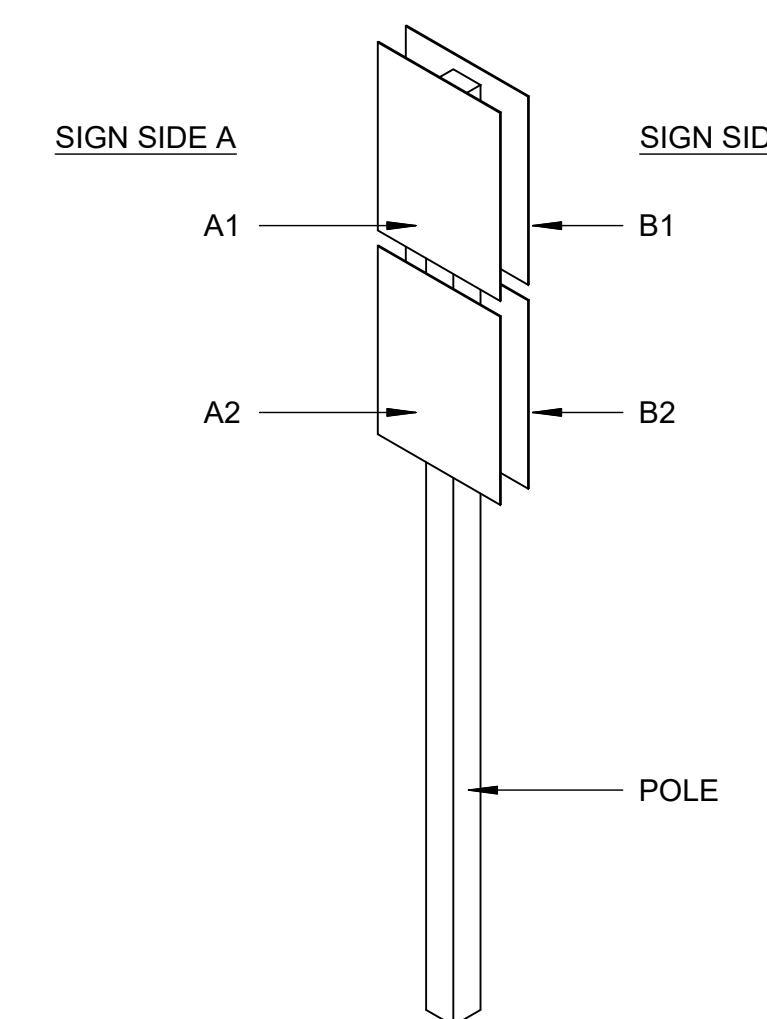
### A3.01



- ① INSTALL NEW SURFACE MOUNTED ACRYLIC BAND SIGN TO EACH SIDE OF EXISTING SIGN. BAND TO BE 8" HIGH BY WIDTH OF SIGN AND INSTALLED AT 4" ABOVE BOTTOM OF BOX SIGN
- ② INSTALL NEW SURFACE MOUNTED ACRYLIC BAND SIGN TO EACH SIDE OF RELOCATED SIGN. BAND TO BE 12" HIGH BY WIDTH OF SIGN AND INSTALLED AT 4" ABOVE BOTTOM OF BOX SIGN
- ③ EXISTING BOX SIGN TO BE COPIED FOR NEW TYPE L SIGNS
- ④ NEW BOX SIGN AND CONCRETE BASE IN EXISTING PLANTED AREA
- ⑤ REINSTALL EXISTING POLE AND SIGNS IN NEW LOCATION TO BE STAKED BY ARCHITECT
- ⑥ INSTALL NEW TENSILE STRUCTURE PER SHEET 7/A3.01
- ⑦ INSTALL NEW CONCRETE FOUNDATION AND REINSTALL RELOCATED MONUMENT SIGN, EXISTING EXISTING POWER CIRCUIT TO NEW LOCATION
- ⑧ REINSTALL SIGN IN LOCATION DIRECTED BY OWNER
- ⑨ INSTALL NEW SIGN AND POLE
- ⑩ INSTALL EXISTING SIGN AND POLE FROM OWNER'S ATTIC STOCK
- ⑪ FUTURE EV CHARGING STATION, REFER TO ELECTRICAL
- ⑫ REINSTALL "SMOKE FREE CAMPUS" SIGN ON THIS POLE. REFER TO NOTE 5 ON A1.01

4	PLAN CODED NOTES
---	------------------

① CODED NOTE



3	SIGN SIDE DIAGRAM
---	-------------------

SIGN TYPE:	A	B	C	D	E	F	_____
SIGN NUMBER:	1	2	3	4	5	_____	_____
SIGN SIDE:	A1	A2	B1	B2	_____	_____	_____

ELECTRICAL:  \_\_\_\_\_

FUTURE ELECTRIC VEHICLE CHARGING STATION:	EV
---	----

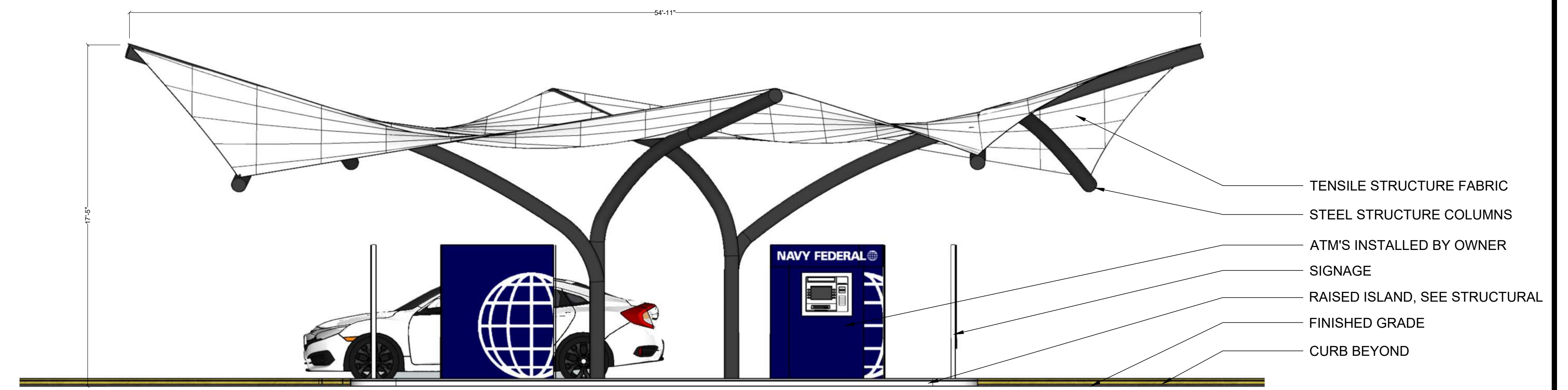
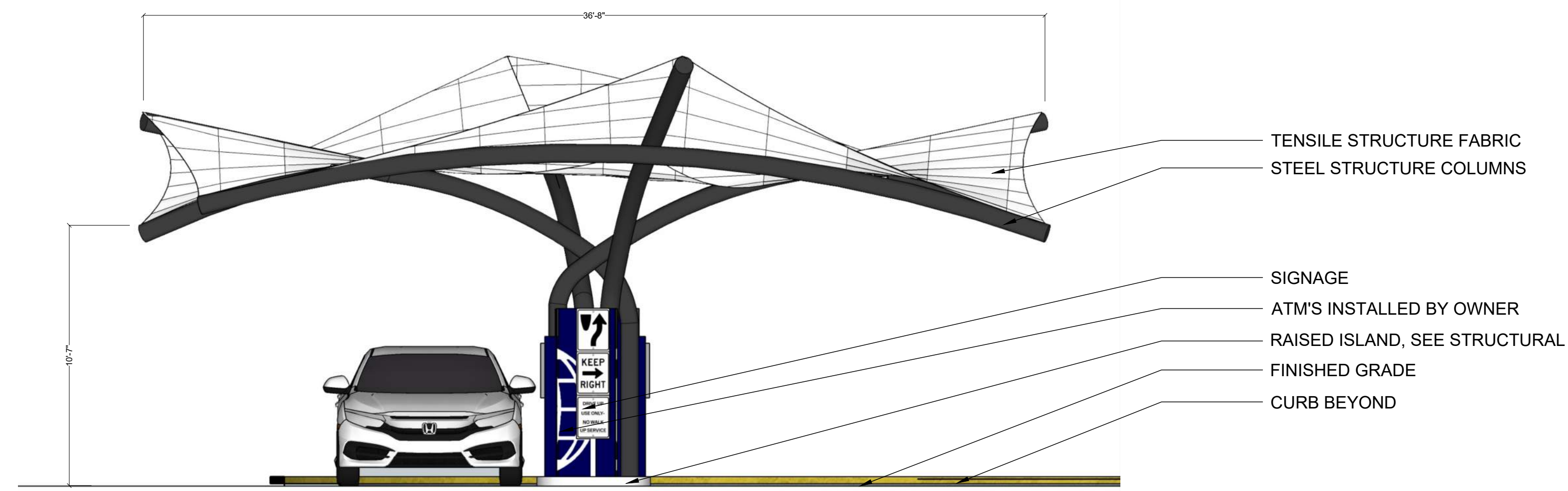
- A MONUMENT SIGN
- B SINGLE SIGN WITH POLE
- C VEHICULAR DIRECTIONAL SIGN
- D SLOGAN SIGNAGE
- E STOP SIGN
- F PEDESTRIAN SIGN
- G VISITOR PARKING SIGN

1 SITE PLAN

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

2	SIGNAGE LEGEND
---	----------------





## NAVY FEDERAL CREDIT UNION HQ2 ATM ADDITION

1007 ELECTRIC AVE  
VIENNA, VIRGINIA 22180

2 NORTH & SOUTH ELEVATION

SCALE: 1/4" = 1'-0"

1 EAST & WEST ELEVATION

SCALE: 1/4" = 1'-0"

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Associated Space Design, Inc. 2025

[illegible]

04.28.2025	ASI 1
NO:	DATE: REMARKS:
REVISIONS:	

DRAWING TITLE:  
STRUCTURE ELEVATIONS

**Figure 1**

SUBJECT NO.:	ISSUE DATE:
71498.00	04.28.2025

OWN BY: JLV	CHECKED BY: GC
----------------	-------------------

## A5.01



TENSILE STRUCTURE (ATM CANOPY)

ARCHITECT'S SPECIFICATION

- PART 2 PRODUCTS
- 2.01 MANUFACTURERS
- A. G.H Bruce, LLC, Custom Tensile Sculptures, www.ghbruce.com,
1. 525 E Rogers Road, Tucson, AZ 85705,
2. 520-903-9005, ghbruce.com.
- 2.02 FABRICATION
- A. Fit and shop assemble items in largest practical sections, for delivery to site.
- B. Fabricate items with joints tightly fitted and secured.
- C. Grind exposed joints flush and smooth with adjacent finish surface. Make exposed joints butt tight, flush, and hairline. Ease exposed edges to small uniform radius.
- D. Furnish components required for anchorage of fabrications. Fabricate anchors and related components of same material and finish as fabrication, except where specifically noted otherwise.
- E. Shop weld and finish welds for junction box mounting brackets and hand holes.
- 2.03 FINISHES - STEEL
- A. Prime paint all other steel items except those noted. Refer to Painting Section for specific requirements.
1. Exceptions: Galvanize bollards.
2. Tensile shade structure to be pre-finished by the fabricator in the shop.
- B. Prepare surfaces to be primed in accordance with SSPC-SP2.
- C. Clean surfaces of rust, scale, grease, and foreign matter prior to finishing.
- D. Galvanizing of Structural Steel Members: Galvanize after fabrication to ASTM A123/A123M requirements. Provide minimum 1.7 oz/sq ft galvanized coating.
- E. Galvanizing of Non-structural Items: Galvanize after fabrication to ASTM A123/A123M requirements.

REFERENCE IMAGES  
(THE IMAGES BELOW ARE SIMILAR IN COLOR/STYLE/SPECIFICATION)



REGARDING SAMPLES  
THE SAMPLES PROVIDED FOR BAR REVIEW ARE REPRESENTATIVE OF THE BASIS OF DESIGN PRODUCT. THE GENERAL CONTRACTOR (TBD) MAY ELECT TO PROCURE A DIFFERENT, BUT COMPARABLE, PRODUCT THAT MEETS THE DETAILS OF THE ARCHITECT'S SPECIFICATIONS (SEE LEFT).

MANUFACTURER DATA SHEETS

ARCHITEC 400® is an extremely strong knitted shade cloth that has been designed for very large commercial tension membrane structures and shade sails.

Protecting people just like you

ARCHITEC 400® EXTRA HEAVY DUTY KNITTED SHADE CLOTH

www.PolyfabUSA.com

polyfab USA

ARCHITEC 400® EXTRA HEAVY DUTY KNITTED SHADE CLOTH

Architect 400® is tough under the sun

Architect 400® is a 400gsm High Density Polyethylene (HDPE) fabric with an excellent weight to strength ratio. It has very good tensile strength and is extremely resistant to tearing.

Architect 400® incorporates the latest in Ultra Violet (UV) stabilizers. These new generation stabilizers extend the UV life of the fabric so that Polyfab can now offer a 15 year warranty - the best industry warranty available (conditions apply). These new UV stabilizers also provide improved color consistency and colorfastness.

Ovalon™ is our propriety monofilament yarn

Architect 400® contains no flat tapes. Instead it is made from a combination of monofilament yarn and our new Ovalon™ monofilament yarn.

Ovalon™ provides excellent strength and has minimal stretch in both the Warp and Weave direction of the stitch pattern and will maintain its tension. It also provides very high UV protection over 90%.

With Ovalon™ you get the strength of monofilament yarns combined with the UV protection of tape.

Architect 400® is good under tension

Shade sails using Architect 400® should be well designed and engineered to hold the fabric under the tension it deserves.

The fabric should be supported by using appropriate strength poles and footings as determined by a professional engineer and fabricated and installed by a qualified contractor in accordance with local building codes.

Architect 400® is easy to work with

Architect 400® has been pre-stentored to reduce shrinkage and improve the stability of the fabric. This process improves the workability of the fabric during the fabrication and installation of the shade sails or shade structure.

Available sizes:

12.5 feet / 3.8 meters (width) x 55 yards / 50 meters (length) straight rolls (not folded)

Minimal weight:

12 oz. per square yard / 400 gsm

Architect 400® is available in 12 designer colors.

COLOR	COLOUR	SHADE	UVN	ULTRAVIOLET	PROTECTION	SPF
Factor	Factor	Factor	Factor	Factor	Category	Rating
1. Turquoise	92.6	94.7	92.6	94.7	Effective	NA
2. Porcelain	93.5	73.0	92.3	93.0	Very Effective	87
3. Cappuccino	94.1	86.0	92.8	93.0	Most Effective	36
4. Aquamarine	95.2	91.0	94.5	93.0	Very Effective	31
5. Navy Blue	95.2	92.4	94.3	94.0	Very Effective	NA
6. Midnight Green	94.7	93.1	94.6	93.0	Very effective	NA
7. Orange	94.7	84.7	94.8	93.0	Very effective	61
8. Lemon	91.4	69.1	91.4	89.0	Effective	75
9. Lime	82.3	77.6	87.8	88.0	Effective	NA
10. Lime	95.3	88.0	95.3	94.0	Very Effective	56
11. Slate	95.3	95.0	95.2	94.0	Very Effective	NA
12. Black	96.6	97.2	96.5	95.0	Most Effective	1

TABLE 3-1.5 Ultraviolet Effectiveness (UVE) Classification System

UVE (%)	Protection category
90.0 to 94.9	Effective
95.0 to 94.9	Very effective
95.0+	Most effective

Technical Specifications

WARP	WEAVE
Breaking Force (per ASTM D-4539)	Ibs 342 270
Elongation at Break (per ASTM D-5034)	% 87 96
Tearing Strength (per ASTM D-2264)	Ibs 41 38
Wuhan Burst (per ASTM D-3797)	Ibs/in Fash 593
Ball Burst (per ASTM D-3797)	Ibs Fash 450*

\*Remarks: \* Exceeds respective of fabric

Pre Standard Compliance: Architect 400® complies with the standard ASTM D-3023 (Table 1 and 4 adding)

EXISTING TENSILE STRUCTURE  
CONNECTOR CANOPIES





DRAWING KEYED NOTES:

- APPROXIMATE LOCATION OF NEW EVSE PANEL. REFER TO DETAIL 2 FOR ADDITIONAL INFORMATION.
- APPROXIMATE LOCATION OF EXISTING PANEL INTENDED TO SERVE NEW OUTDOOR ATM. REFER TO DETAIL 2 FOR ADDITIONAL INFORMATION.
- LOCATION OF NEW OUTDOOR ATM. REFER TO ARCHITECTURAL DRAWING A3.01 FOR LOCATIONS, DIMENSIONS, AND ADDITIONAL INFORMATION. COORDINATE WITH ATM REQUIREMENTS, SERVICE ENTRY LOCATIONS, ETC.
- ROUTE (2) SETS OF CONDUIT FROM ATM LOCATION INTO THE EXISTING BUILDING FOR UPS POWER WIRING. THE CONDUIT SHALL BE ROUTED IN THE FOLLOWING MANNER: ROUTE (2) NEW SETS OF CONDUIT FROM EXISTING UPS POWER PANEL UPWL-1A TO THE NEW ATM LOCATION. COORDINATE CONDUIT PATHWAY IN THE FIELD PER FIELD CONDITIONS. REFER TO THE ELECTRICAL DISTRIBUTION DIAGRAM ON DRAWING E6.01 AND PANEL SCHEDULES ON DRAWING E7.01 FOR FEEDER AND CONDUIT SIZES. COORDINATE WITH ATM REQUIREMENTS, SERVICE ENTRY LOCATIONS, ETC.
- CIRCUIT (2) NEW SECURITY CAMERAS WITHIN THE CANOPY LIGHTING STRUCTURE TO EXISTING UPS POWER PANEL UPWL-1A. ROUTE (1) CONDUIT FROM THE NEW SECURITY CAMERA LOCATION TO THE EXISTING UPS POWER PANEL UPWL-1A WITHIN THE EXISTING BUILDING. COORDINATE CONDUIT PATHWAY IN THE FIELD PER FIELD CONDITIONS. CONTRACTOR TO COORDINATE WITH THE SECURITY INSTALLER TO DETERMINE SECURITY CAMERA LOCATION WITHIN THE ATM CANOPY LIGHTING STRUCTURE. REFER TO DETAIL 11 ON DRAWING E5.01 FOR ADDITIONAL INFORMATION. REFER TO THE ELECTRICAL DISTRIBUTION DIAGRAM ON DRAWING E6.01 AND PANEL SCHEDULES ON DRAWING E7.01 FOR FEEDER AND CONDUIT SIZES.
- ROUTE (2) NEW CONDUIT FROM OUTDOOR PULL BOX TO EACH OF THE (8) FUTURE EVSE HAND HOLES INDICATED. INSTALL CONDUITS VIA DIRECTIONAL DRILLING BELOW EXISTING PARKING LOT AREA AND SIDEWALKS; REFER TO DETAIL 9 ON DRAWING E5.01. CONDUIT DEPTH IN PARKING LOT TO BE A MINIMUM DEPTH OF 24" PER NEC TABLE 300.5. REFER TO THE ELECTRICAL DISTRIBUTION DIAGRAM ON DRAWING E6.01 AND PANEL SCHEDULES ON DRAWING E7.01 FOR FEEDER AND CONDUIT SIZES.
- ROUTE (16) NEW CONDUITS FROM OUTDOOR PULL BOX TO THE NEW ELECTRICAL POWER PANEL EVSE WITHIN THE EXISTING BUILDING. INSTALL CONDUITS VIA DIRECTIONAL DRILLING BELOW EXISTING PARKING LOT AREA AND SIDEWALKS. REFER TO THE ELECTRICAL DISTRIBUTION DIAGRAM AND PANEL SCHEDULES ON DRAWING E6.01 FOR FEEDER AND CONDUIT SIZES.
- PROVIDE NEW HANDHOLE FOR FUTURE EVSE. REFER TO KEYED NOTE 5, DETAIL 1 ON E6.01 FOR SIZING AND ADDITIONAL INFORMATION.
- PROVIDE NEW 36" X 36" X 16" (MINIMUM SIZE INDICATED PER NEC) OUTDOOR PULL BOX FOR ROUTING OF CONDUIT FOR FUTURE EVSE HANDHOLES AND NEW ATM UNITS. ONLY POWER CONDUCTORS WILL BE CONTAINED WITHIN THIS BOX. NO DATA CONDUCTORS ARE INTENDED.
- NEW LOCATION OF RELOCATED EXTERIOR ILLUMINATED SIGN BY OWNER. EXTEND EXISTING CIRCUIT PREVIOUSLY SERVING THE EXTERIOR SIGN TO THE PREVIOUS SIGN LOCATION TO THE NEW LOCATION INDICATED. MATCH/EXTEND WIRING AND RACEWAY TO FACILITATE THE NEW LOCATION. INSTALL CONDUITS VIA DIRECTIONAL DRILLING BELOW EXISTING STREET AND SIDEWALKS. THE CONDUIT DEPTH IN THE DRIVEWAY IS TO BE A MINIMUM DEPTH OF 24" PER NEC TABLE 300.5.
- PREVIOUS LOCATION OF RELOCATED ILLUMINATED EXTERIOR SIGN BY OWNER. PROVIDE A NEW IN-GROUND RATED HANDHOLE AT THE EXISTING SIGN LOCATION FOR EXISTING WIRE TERMINATION AND FOR EXTENDING THE EXISTING CIRCUIT TO THE NEW SIGNAGE LOCATION AS REQUIRED BY KEYED NOTE 10.
- NEW TYPE H 120V EXTERIOR LAMP FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. ROUTE (1) CONDUIT FROM THE NEW LAMP POST LOCATION TO THE EXISTING CIRCUIT CURRENTLY SERVING EXTERIOR LIGHTING FIXTURES WITHIN THE AREA INDICATED. MATCH EXISTING BUILDING SITE EXTERIOR LAMP BASIS OF DESIGN. CONNECT TO EXISTING CONTROLS SERVING EXISTING LIGHTING FIXTURES WITHIN THE AREA INDICATED. COORDINATE CONDUIT PATHWAY IN THE FIELD PER FIELD CONDITIONS BELOW GRADE. CONFIRM CIRCUIT DOES NOT EXCEED 16 AMPS. PER AS-BUILT DOCUMENTATION, THIS PANEL SHOULD BE PANEL GPH WITH EXISTING LIGHTING CONTROLS BEING PROVIDED BY MASTER LIGHTING CONTROL PANEL LCP1. PROVIDE 24" ROUND CONCRETE BASE FOR 3" POLE WITH CAP. REFER TO DETAIL 10 ON DRAWING E5.01 FOR ADDITIONAL INFORMATION. REFER TO THE ELECTRICAL DISTRIBUTION DIAGRAM AND PANEL SCHEDULES ON DRAWING E6.01 FOR FEEDER AND CONDUIT SIZES. REFER TO THE LUMINAIRE SCHEDULE ON DRAWING E7.01 FOR ADDITIONAL LIGHTING FIXTURE INFORMATION.
- PROVIDE 120V WEATHERPROOF DUPLEX RECEPTACLE FOR CONNECTION TO OUTDOOR TELECOM ENCLOSURE AND MEDIA CABINET. ROUTE (1) NEW CONDUIT FROM EXISTING UPS POWER PANEL UPWL-1A WITHIN EXISTING BUILDING HQ2 TO THE NEW OUTDOOR TELECOM ENCLOSURE AND MEDIA CABINET LOCATION. REFER TO THE ELECTRICAL DISTRIBUTION DIAGRAM ON DRAWING E6.01 AND PANEL SCHEDULES ON DRAWING E7.01 FOR FEEDER AND CONDUIT SIZES.
- APPROXIMATE LOCATION OF NEW ATM CANOPY LIGHTING STRUCTURE BY OTHERS. ROUTE (1) CONDUIT FROM THE NEW CANOPY LIGHTING STRUCTURE TO PANEL GPH WITHIN THE EXISTING BUILDING. COORDINATE CONDUIT PATHWAY IN THE FIELD PER FIELD CONDITIONS BELOW GRADE. CONNECT TO EXISTING CONTROLS SERVING EXISTING LIGHTING FIXTURES WITHIN THE AREA INDICATED. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY CONTRACTORS, RELAYS, INTERFACE DEVICES, PROGRAMMING REQUIRED FOR A COMPLETE OPERATIONAL INSTALLATION. REFER TO DETAIL 11 ON DRAWING E5.01 FOR ADDITIONAL INFORMATION. REFER TO THE ELECTRICAL DISTRIBUTION DIAGRAM ON E6.01 AND PANEL SCHEDULES ON E7.01 FOR FEEDER AND CONDUIT SIZES. REFER TO THE LUMINAIRE SCHEDULE ON DRAWING E7.01 FOR ADDITIONAL INFORMATION ON THE TYPE I LIGHTING FIXTURES INDICATED. COORDINATE WITH THE CANOPY STRUCTURE FABRICATOR AND STRUCTURAL CONTRACTOR AS REQUIRED.
- ROUTE (1) CONDUIT FROM ATM LOCATION INTO THE EXISTING BUILDING FOR UPS POWER WIRING. THE CONDUIT SHALL BE ROUTED IN THE FOLLOWING MANNER: ROUTE (1) NEW CONDUIT FROM EXISTING UPS POWER PANEL UPWL-1A TO THE NEW ATM LOCATION. COORDINATE CONDUIT PATHWAY IN THE FIELD PER FIELD CONDITIONS INSIDE THE SPACE AND BELOW GRADE. REFER TO THE ELECTRICAL DISTRIBUTION DIAGRAM ON DRAWING E6.01 AND PANEL SCHEDULES ON DRAWING E7.01 FOR FEEDER AND CONDUIT SIZES.
- ROUTE (2) CONDUIT FROM THE NEW CANOPY LIGHTING STRUCTURE TO PANEL GPH WITHIN THE EXISTING BUILDING. COORDINATE CONDUIT PATHWAY IN THE FIELD PER FIELD CONDITIONS BELOW GRADE. REFER TO THE ELECTRICAL DISTRIBUTION DIAGRAM ON DRAWING E6.01 AND PANEL SCHEDULES ON DRAWING E7.01 FOR FEEDER AND CONDUIT SIZES. COORDINATE WITH THE CANOPY STRUCTURE FABRICATOR AND STRUCTURAL CONTRACTOR AS REQUIRED.
- ROUTE (1) CONDUIT FROM THE NEW SECURITY CAMERA LOCATION TO THE EXISTING UPS POWER PANEL UPWL-1A WITHIN THE EXISTING BUILDING. COORDINATE CONDUIT PATHWAY IN THE FIELD PER FIELD CONDITIONS. CONTRACTOR TO COORDINATE WITH THE SECURITY INSTALLER TO DETERMINE SECURITY CAMERA LOCATION WITHIN THE ATM CANOPY LIGHTING STRUCTURE. REFER TO DETAIL 11 ON DRAWING E5.01 FOR ADDITIONAL INFORMATION. REFER TO THE ELECTRICAL DISTRIBUTION DIAGRAM ON DRAWING E6.01 AND PANEL SCHEDULES ON DRAWING E7.01 FOR FEEDER AND CONDUIT SIZES. COORDINATE WITH THE CANOPY STRUCTURE FABRICATOR AND STRUCTURAL CONTRACTOR AS REQUIRED.
- PROVIDE NEW IN-GROUND RATED JUNCTION BOX FOR ROUTING NEW FEEDERS AND CONDUIT TO NEW ATM CANOPY STRUCTURE.
- PROVIDE NEW 36" X 36" X 16" WALL MOUNTED NEMA 4 EXTERIOR RATED HOFFMAN BOX FOR ROUTING OF CONDUIT TO BE INSTALLED VIA DIRECTIONAL DRILLING. PROVIDE HINGED, LATCHABLE/LOOKABLE RAIN TIGHT COVER. ONLY POWER CONDUCTORS WILL BE CONTAINED WITHIN THIS BOX. NO DATA CONDUCTORS ARE INTENDED.
- THE INDICATED CONDUITS, LOCATED BETWEEN THE EXTERIOR RATED HOFFMAN BOX AND THE POINT OF PENETRATION INTO THE EXISTING BUILDING, ARE TO BE ROUTED HIGH ON THE EXPOSED BACK OF THE RETAINING WALL ON THE GENERATOR SIDE, ABOVE THE EXISTING SOUND PANELS. CONDUIT WILL THEN DROP DOWN BEHIND THE SOUND PANELS BEFORE PENETRATING THE RETAINING WALL AT THE LOCATION INDICATED IN KEYED NOTE 19 ABOVE. SOUND PANELS TO BE REMOVED AS NEEDED TO ACCOMMODATE CONDUIT INSTALLATION, AND THEN REINSTALLED FOLLOWING CONSTRUCTION.
- CONDUITS INSTALLED UNDER THE EXISTING PARKING LOT, DRIVEWAY, AND SIDEWALKS SHALL BE INSTALLED USING DIRECTIONAL DRILLING SO AS TO AVOID HAVING TO CUT THE PARKING LOT, DRIVEWAY, AND SIDEWALKS. TRENCHING SHALL NOT BE ALLOWED UNLESS SPECIFICALLY STATED IN WRITING BY THE OWNER. IF TRENCHING IS PERFORMED, THE PARKING LOT, DRIVEWAY, AND SIDEWALKS SHALL BE RESTORED TO MATCH EXISTING TO THE SATISFACTION OF THE OWNER.
- CONDUITS INSTALLED ALONG THE EXTERIOR SURFACE OF THE EXISTING BUILDING ARE TO BE INSTALLED ALONG THE PRECAST JUST BELOW THE FIRST FLOOR WINDOWS. COORDINATE WITH NFCU AND ARCHITECT PRIOR TO COMMENCING.
- CONDUITS INSTALLED ALONG THE EXTERIOR SURFACE OF THE EXISTING BUILDING WILL DROP AT THE LOCATION INDICATED, TO A HEIGHT BELOW THE TOP OF THE RETAINING WALL. COORDINATE WITH NFCU AND ARCHITECT PRIOR TO COMMENCING.
- APPROXIMATE LOCATION OF NEW SECURITY CAMERAS WITHIN THE CANOPY LIGHTING STRUCTURE, DENOTED BY SUBSCRIPT "C" AND REFERENCE WITHIN KEYED NOTE 5 ABOVE.
- NEW KEYED NOTE: ALL CONDUITS PENETRATING THE RETAINING WALL BELOW GRADE SHALL BE SEALED BETWEEN THE OUTER SIDE OF THE CONDUIT AND THE CONCRETE WITH SUITABLE WATERPROOF WATER SEALANT AS APPROVED BY THE ARCHITECT.
- ROUTE (1) CONDUIT FROM THE NEW 120V WEATHERPROOF TELECOM ENCLOSURE DUPLEX RECEPTACLE TO THE EXISTING UPS POWER PANEL UPWL-1A WITHIN THE EXISTING BUILDING. COORDINATE CONDUIT PATHWAY IN THE FIELD PER FIELD CONDITIONS. REFER TO THE ELECTRICAL DISTRIBUTION DIAGRAM ON DRAWING E6.01 AND PANEL SCHEDULES ON DRAWING E7.01 FOR FEEDER AND CONDUIT SIZES.
- ROUTE (2) NEW 1-1/4" CONDUITS FROM OUTDOOR PULL BOX TO THE NEW ELECTRICAL POWER PANEL EVSE WITHIN THE EXISTING BUILDING. INSTALL CONDUITS VIA DIRECTIONAL DRILLING BELOW EXISTING PARKING LOT AREA AND SIDEWALKS.

HANDHOLE SCHEDULE	
#	HANDHOLE FOR FUTURE EVSE CHARGER. ANTICIPATED BASIS OF DESIGN: DUAL PORT CHARGE POINT 6000 SERIES. NUMBERS INDICATED ARE ONLY INTENDED TO IDENTIFY THE EVSE CHARGER LOCATION NUMBER. REFER TO KEYED NOTE 5, DETAIL 1 ON E6.01 FOR HANDHOLE SIZING AND ADDITIONAL INFORMATION. # DESIGNATES THE FUTURE EVSE CHARGER LOCATION NUMBER.

1 ELECTRICAL NEW WORK PLAN  
SCALE: 1/8" = 1'-0"

NEW WORK PLAN DRAWING GENERAL NOTES:

- FIXTURES AND DEVICES INDICATED WITH AN "N" ARE NEW.
- ALL FIXTURES AND DEVICES INDICATED ARE EXISTING TO REMAIN, UNLESS NOTED OTHERWISE. FIXTURES INDICATED WITH AN "E" ARE ALSO EXISTING TO REMAIN. FIXTURES AND DEVICES TO MAINTAIN CONNECTION TO EXISTING CIRCUITS. CONTRACTOR MAY RE-USE FIXTURES (LIGHTS OR EXIT SIGNS), PROVIDED THEY ARE DEEMED IN ACCEPTABLE QUALITY BY THE OWNER AND ARCHITECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANNING, LAYING OUT, COORDINATING, AND INSTALLING THE NEW ELECTRICAL CIRCUITING IN A MANNER THAT IS AS CLEAR AND CONCISE AS FEASIBLE. THE INTENT IS FOR THE CIRCUITING BETWEEN FIXTURES AND OTHER DEVICES TO BE MANAGEABLE AND CLEAR TO NFCU FACILITIES AND CONTRACTORS IN THE FUTURE SHOULD TRACING AND REPAIR BE NECESSARY. THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR REVIEW BY NFCU, THE ARCHITECT, AND THE ENGINEER, A DETAILED SHOP DRAWING SHOWING THE ROUTING/LOCATIONS, SIZES (CONDUIT AND WIRING), PANEL NAME/CIRCUIT NUMBER, AND DEPTH BELOW GRADE. THE CONTRACTOR SHALL NOT PROCEED WITH A PATH OR MEANS OTHER THAN THE BASE BID WITHOUT THE OWNER'S WRITTEN APPROVAL. ANY ALTERNATE PATH AND MEANS THAT INVOLVES CUTTING, TRENCHING, AND PATCHING THE PAVED AREA SHALL BE REQUIRED TO RESTORE THE PAVED AREA SURFACE AND APPEARANCE TO MATCH EXISTING TO THE APPROVAL OF THE OWNER WHO RESERVES THE RIGHT TO REJECT ANY WORK BY PROPOSING AN ALTERNATE APPROACH. THE CONTRACTOR ACCEPTS THESE REQUIREMENTS AND CONDITIONS. REFER TO THE SPECIFICATIONS AND GENERAL CONDITIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS APPLICABLE TO ALTERNATE APPROACHES.
- SEE ELECTRICAL DISTRIBUTION DIAGRAM ON DRAWING E6.01 FOR INFORMATION REGARDING FEEDER SIZING.
- CONDUIT ROUTING INDICATED ON PLANS IS DIAGRAMMATIC ONLY. EXACT ROUTING TO BE COORDINATED WITH FIELD CONDITIONS AND BETWEEN ALL TRADES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK AND FOR DAMAGES WHICH OCCUR BY HIS FAILURE TO LOCATE OR PRESERVE THESE UNDERGROUND UTILITIES. IF DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER AND TAKE NECESSARY AND PROPER STEPS TO PROTECT THE FACILITY AND ASSURE THE CONTINUANCE OF SERVICE. CONTRACTOR IS RESPONSIBLE FOR CONTACTING MISS UTILITY PRIOR TO DEMOLITION OR EXCAVATION.
- CONTRACTOR SHALL ERECT ALL NECESSARY PROTECTIVE DEVICES AROUND THE LIMITS OF CONSTRUCTION AND PROVIDE PEDESTRIAN AND VEHICULAR TRAFFIC CONTROL MEASURES DURING CONSTRUCTION AS NEEDED.
- DIRECTIONAL DRILL UNDER EXISTING CURBS AND SIDEWALKS TO EXTENT POSSIBLE TO MINIMIZE DISTURBANCE.

CANOPY LIGHTING FIXTURES ARE DIRECTED DOWN, NOT UP

FIXTURE A IS INTENDED TO MATCH ALL EXISTING PARKING LOT LIGHTING

SITE LIGHTING

THE FOLLOWING SHEETS SHOW  
LIGHT FIXTURE CUTSHEETS AND  
FOOTCANDLES FOR EACH FIXTURE

01 - LUMINAIRE SCHEDULE										
MARK	DESCRIPTION	MOUNTING	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL NUMBER	LAMPS			VOLTS	BALLAST/DRIVER OR DIMMING	REMARKS
					NO.	WATTS	TYPE			
H	OUTDOOR POLE LIGHT	MATCH BASE BUILDING	MATCH BASE BUILDING	MATCH BASE BUILDING	1	38 W	LED	120	MATCH BASE BUILDING	FITTURE, LAMP, AND POLE PROVIDED BY NCUI
L	RETAIL LED	300 HD	B-K LIGHTING	DE-LED-TR-0125-WVL-G-C-010-277	1	21 W	LED	277	0-10V	

- WHERE THE NEW EQUIPMENT LOCATIONS INTERFERE WITH EXISTING BUSHES, THE CONTRACTOR SHALL REMOVE BUSHES INCLUDING ROOTS, BACKFILL WITH SUITABLE SOIL, AND REPLACE WITH SOIL. COORDINATE ALL WORK WITH NFCU, ARCHITECT, AND LANDSCAPE ARCHITECT PRIOR TO ANY WORK THAT IMPACTS LANDSCAPING.
- CONTRACTOR SHALL COORDINATE SUBSURFACE UTILITY MARKOUT PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL SUBMIT A DETAILED PROPOSED WORK PLAN FOR THE INSTALLATION OF UNDERGROUND CONDUIT PRIOR TO CONSTRUCTION START. REFER TO DRAWING E1.01 FOR REQUIREMENTS AND INFORMATION.
- THESE DRAWINGS INDICATE A PROPOSED BASIS OF DESIGN PATH AND MEANS OF EXTENDING NEW CONDUITS/CIRCUITS FROM ONE SIDE OF THE PAVED AREA (INCLUDING SIDEWALK) AND THE OTHER SIDE, NAMELY DIRECTIONAL DRILLING, WITH PULL BOXES ON EACH END. THE INTENT OF THE BASIS OF DESIGN IS TO AVOID CUTTING, TRENCHING, AND PATCHING THE PAVED AREA. THE OWNER, ARCHITECT, AND ENGINEER WILL CONSIDER SUGGESTIONS OFFERED BY THE CONTRACTOR IN THE BIDDING PHASE FOR ALTERNATE PATH(S) AND/OR MEANS OF EXTENDING NEW CONDUITS/CIRCUITS FROM ONE SIDE TO THE OTHER SIDE. ALL SUCH SUGGESTIONS SHALL BE COMPLETE WITH DETAILED DESCRIPTION AND DIAGRAM/DRAWING OF THE CONTRACTOR'S PROPOSED ROUTING AND MEANS, IMPACT ON PROJECT SCHEDULE, AND IMPACT ON BID COST (WHETHER DEDUCTIVE OR ADDITIVE). THE CONTRACTOR SHALL NOT PROCEED WITH A PATH OR MEANS OTHER THAN THE BASE BID WITHOUT THE OWNER'S WRITTEN APPROVAL. ANY ALTERNATE PATH AND MEANS THAT INVOLVES CUTTING, TRENCHING, AND PATCHING THE PAVED AREA SHALL BE REQUIRED TO RESTORE THE PAVED AREA SURFACE AND APPEARANCE TO MATCH EXISTING TO THE APPROVAL OF THE OWNER WHO RESERVES THE RIGHT TO REJECT ANY WORK BY PROPOSING AN ALTERNATE APPROACH. THE CONTRACTOR ACCEPTS THESE REQUIREMENTS AND CONDITIONS. REFER TO THE SPECIFICATIONS AND GENERAL CONDITIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS APPLICABLE TO ALTERNATE APPROACHES.
- ALL EXPOSED WORK SHALL BE FULLY PRESENTED TO AND APPROVED BY NFCU PRIOR TO COMMENCING ANY OF THE WORK. THIS INCLUDES, BUT IS NOT LIMITED TO, CONDUITS AND OTHER ITEMS INSTALLED ON THE EXTERIOR OF THE BUILDING AND ON THE RETAINING WALL. IN ADDITION, ALL LOCATIONS OF IN-GROUND BOXES AND OTHER DEVICES SHALL BE APPROVED BY NFCU AND THE ARCHITECT PRIOR TO COMMENCING THE INSTALLATION.
- CONTRACTOR SHALL SUBMIT 1/8" SCALE SHOP DRAWING SET INCLUDING ALL INTENDED INSTALLATION METHODS, CONDUIT RUNS, PULL BOXES, AND OTHER PERTINENT INFORMATION.

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Associated Space Design, Inc. 2024

NO.	DATE	REVISIONS
2	4/20/2025	ADDENDUM 2
1	3/13/2025	ISSUED FOR PERMIT AND PRICING
0	1/24/2025	ISSUED FOR PERMIT AND PRICING
NO.	DATE	REMARKS
REVISIONS:		

DRAWING TITLE:  
ELECTRICAL NEW WORK  
PLAN

PROJECT NO.: 50184423	ISSUE DATE: 04.02.25
DRAWN BY: CB	CHECKED BY: RH
SHEET NUMBER: E1.01	





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**CapitalTristate**  
THE ELECTRIC BROTHER OF HDDE

**Job Name:**  
HAWAII FEDERAL CREDIT UNION -  
HIGG CAMPUS DEVELOPMENT

**Catalog Number:**  
GLEON-AE-02-LED-E1-SL4-BZ-700/  
LSH45H  
**Notes:**

**Type:**  
**H1**  
PROJECT# 1649677

# ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	150° Apart
GLEON-AE-01	7" Arm (Fixed)	17" Arm (Fixed)
GLEON-AE-02	7" Arm (Fixed)	17" Arm (Fixed)
GLEON-AE-03	17" Arm (Fixed)	17" Arm (Fixed)
GLEON-AE-04	17" Arm (Fixed)	17" Arm (Fixed)
GLEON-AE-05	10" Extended Arm (Fixed)	17" Arm (Fixed)
GLEON-AE-06	10" Extended Arm (Fixed)	17" Arm (Fixed)
GLEON-AE-07	10" Extended Arm (Fixed)	17" Extended Arm (Fixed)
GLEON-AE-08	10" Extended Arm (Fixed)	17" Extended Arm (Fixed)
GLEON-AE-09	10" Extended Arm (Fixed)	17" Extended Arm (Fixed)
GLEON-AE-10	10" Extended Arm (Fixed)	17" Extended Arm (Fixed)

2 @ 180°

4 @ 90°

2 @ 90°

2 @ 135°

NOTES: 6 Round poles in 3 @ 100' Diameter in 4 @ 90° 3 Round poles in 2 @ 90°

## STANDARD WALL MOUNT

## MAST ARM MOUNT

## QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)

### QM Quick Mount Arm (Standard)

### QMEA Quick Mount Arm (Extended)

## QUICK MOUNT ARM DATA

Number of Light Fixtures - 1	14" Weight with QM Arm (lbs.)	Weight with QM Arm (lbs.)	Weight with QM Arm (lbs.)
SL4	82.57 (374N)	28 (12.7 kg)	28 (12.7 kg)
SL4	21.93 (98N)	46 (20.9 kg)	41 (18.7 kg)
7-6	21.93 (98N)	54 (24.5 kg)	53 (24.0 kg)


NOTES: 1-6 pole arm with 1-14" pole configurations. 2- QMEA color arm with 1-14" light arms configurations. 3- QMEA arm to be used when mounting two fixtures 90° on an angle pole.

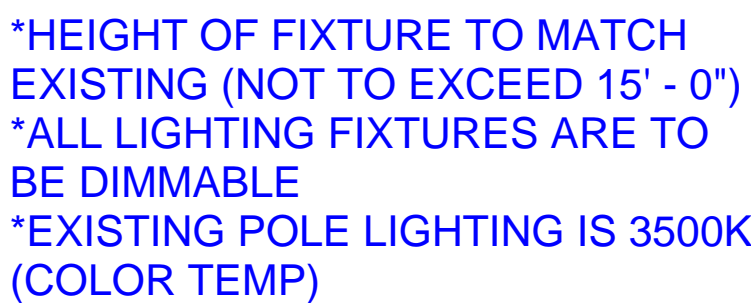
**Eaton**  
Power Quality Division  
Hawthorne, NJ 07032

For more information, visit:  
Power Quality Division  
www.eaton.com/lighting

Specifications and  
drawings subject to  
change without notice.

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2016-09-29 10:52:03

Designed by Chesapeake Lighting		Job Name:		Catalog Name:		Type:						
 <b>Caplight Tristate</b> <small>THE QUALITY AUTHORITY OF LED</small>		<b>NEW YORK CAPITAL CREDIT UNION -</b> <b>IDC COMMERCIAL DEVELOPMENT</b>		<b>GLEON-AE-024-ED-E1-SL4-BZ-700/</b> <b>LSHSS-BZ</b> <b>N/A</b>		<b>H1</b>  <b>PROJECT NUMBER:</b>						
							<b>GLEON GLEON LED</b>					
<b>NOMINAL POWER AND LUMENS (FOOTCA)</b>												
Number of Light Spaces	1	2	3	4	5	6	7	8				
Drive Current	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA				
Nominal Power (W)	28	72	105	138	170	210	243	276				
Beam Spread (°)	52.0	53.0	53.6	54.4	55.4	56.2	57.0	57.8				
Input Current @ 300V AC	0.21	0.35	0.51	0.67	0.87	1.07	1.18	1.30				
Input Current @ 240V AC	0.18	0.32	0.45	0.59	0.77	0.98	1.10	1.20				
Input Current @ 277V AC	0.15	0.27	0.40	0.51	0.69	0.90	0.97	1.07				
Output												
T2	Lumens	5,054	7,507	11,237	14,500	18,300	22,010	25,030				
	LED Rating	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02				
	Lumens	4,091	7,866	11,809	15,762	19,329	23,078	26,832				
T3	LED Rating	B04-01-01	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02				
	Lumens	3,568	7,675	11,482	15,101	18,790	22,457	26,061				
T4	LED Rating	B04-01-01	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02				
	Lumens	3,568	7,675	11,482	15,101	18,790	22,457	26,061				
T4T	LED Rating	B04-01-01	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02				
	Lumens	3,568	7,675	11,482	15,101	18,790	22,457	26,061				
T4T	LED Rating	B04-01-01	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02				
	Lumens	3,568	7,675	11,482	15,101	18,790	22,457	26,061				
T5	LED Rating	B04-01-01	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02				
	Lumens	3,568	7,675	11,482	15,101	18,790	22,457	26,061				
T6	LED Rating	B04-01-01	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02				
	Lumens	3,568	7,675	11,482	15,101	18,790	22,457	26,061				
T6	LED Rating	B04-01-01	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02				
	Lumens	3,568	7,675	11,482	15,101	18,790	22,457	26,061				
T6	LED Rating	B04-01-01	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02				
	Lumens	3,568	7,675	11,482	15,101	18,790	22,457	26,061				
T6	LED Rating	B04-01-01	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02				
	Lumens	3,568	7,675	11,482	15,101	18,790	22,457	26,061				
T6	LED Rating	B04-01-01	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02				
	Lumens	3,568	7,675	11,482	15,101	18,790	22,457	26,061				
T6	LED Rating	B04-01-01	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02				
	Lumens	3,568	7,675	11,482	15,101	18,790	22,457	26,061				
T6	LED Rating	B04-01-01	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02	B04-01-02				
	Lumens	3,568	7,675	11,482	15,101	18,790	22,457	26,061				
T6	LED Rating	B04-01-01	B04-01-02	B04-01-02	B04-01-02							



## EXISTING POLE LIGHT

## MANUFACTURERS SPECIFICATIONS - LIGHTING



SCALE:

ASD SKY



B

CANOPY LIGHTING

DENALI LED (INTEGRAL)			IP66 RATED																					
DATE:	PROJECT:	TYPE:																						
CATALOG NUMBER LOGIC																								
<div> <div>  </div> <div> <p><b>CATALOG NUMBER LOGIC</b></p> <p>Example: DE - LED - TR - x88 - SP - 82W - 9 - 11 - A - NON - 120 - 25</p> <p><b>MATERIAL</b></p> <p>Aluminum</p> <p><b>SERIES</b></p> <p>DE - Denali</p> <p><b>SOURCE</b></p> <p>LED - Chip on Board (COB) Technology</p> <p><b>HOUSING</b></p> <p>TR - Integral Driver</p> <p><b>LED TYPE</b></p> <table> <tr> <td>x88 - 13W/2700K/80CRI</td><td>x101 - 13W/2700K/90CRI</td><td>✔</td></tr> <tr> <td>x89 - 13W/3000K/80CRI</td><td>x102 - 13W/3000K/90CRI</td><td>✔</td></tr> <tr> <td>x103 - 13W/3500K/80CRI</td><td>x104 - 13W/3500K/90CRI</td><td>✔</td></tr> <tr> <td>x109 - 13W/4000K/80CRI</td><td>x121 - 13W/4000K/90CRI</td><td>✔</td></tr> <tr> <td>x122 - 21W/2700K/80CRI</td><td>x126 - 21W/2700K/90CRI</td><td>✔</td></tr> <tr> <td>x123 - 21W/3000K/80CRI</td><td>x127 - 21W/3000K/90CRI</td><td>✔</td></tr> <tr> <td>x124 - 21W/3500K/80CRI</td><td>x128 - 21W/3500K/90CRI</td><td>✔</td></tr> </table> <p><b>OPTICS</b></p> <p>SP - Spot (17°)    FL - Flood (48°)    <b>WFL - Wide Flood (95°)</b></p> <p><b>FINISH (See page 3 for full-color swatches)</b></p> <p>Standard Finishes (BZP, BZW, BLP, BLW, WHF, WHW, SAP, VER)</p> <p>Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRM, HUG, NBP, OCP, RMG, SDS, SMG, TFC, WCP, WIR)</p> <p>Also available in RAL Finishes</p> <p><b>LENS TYPE*</b></p> <p>9 - Clear (Standard)</p> <p><b>SHIELDING*</b></p> <p>11 - Honeycomb Baffle</p> <p><b>CAP STYLE</b></p> <p>A - 45°</p> <p>B - 90°</p> <p><b>C - Flush</b></p> <p>D - 45° Less Weephole (Downward Aiming Only)</p> <p>E - 90° Less Weephole (Downward Aiming Only)</p> <p><b>CONTROLS</b></p> <p>NON - Non Dimming</p> <p>ELV - Dimming Driver (For use with Electronic Low Voltage Dimmer)**</p> <p>INC - Dimming Driver (For use with Incandescent dimmer)**</p> <p>010 - 0-10V Dimming Driver (Dimming 5-100%)</p> <p><b>INPUT VOLTAGE</b></p> <p>120 - 120 VAC</p> <p>277 - 277 VAC</p> </div> </div>				x88 - 13W/2700K/80CRI	x101 - 13W/2700K/90CRI	✔	x89 - 13W/3000K/80CRI	x102 - 13W/3000K/90CRI	✔	x103 - 13W/3500K/80CRI	x104 - 13W/3500K/90CRI	✔	x109 - 13W/4000K/80CRI	x121 - 13W/4000K/90CRI	✔	x122 - 21W/2700K/80CRI	x126 - 21W/2700K/90CRI	✔	x123 - 21W/3000K/80CRI	x127 - 21W/3000K/90CRI	✔	x124 - 21W/3500K/80CRI	x128 - 21W/3500K/90CRI	✔
x88 - 13W/2700K/80CRI	x101 - 13W/2700K/90CRI	✔																						
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x103 - 13W/3500K/80CRI	x104 - 13W/3500K/90CRI	✔																						
x109 - 13W/4000K/80CRI	x121 - 13W/4000K/90CRI	✔																						
x122 - 21W/2700K/80CRI	x126 - 21W/2700K/90CRI	✔																						
x123 - 21W/3000K/80CRI	x127 - 21W/3000K/90CRI	✔																						
x124 - 21W/3500K/80CRI	x128 - 21W/3500K/90CRI	✔																						
*Accommodates up to 2 lens/shielding media.																								
**120V only.																								
<div> <div>  </div> <div> <p>TITLE 24, JAS COMPLIANT</p> </div> </div>																								

DENALI LED (INTEGRAL)

IP66 RATED

DATE: PROJECT: TYPE:

**"A"/"D" CAP**

**"B"/"E" CAP**

**"C" CAP**

**"A"/"D" CAP**

**"B"/"E" CAP**

**"C" CAP**

**360HD**  
Patented 360HD Mounting System

**STANDARD FINISHES**


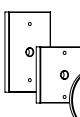
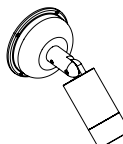
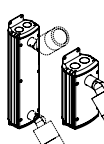




Satin Black (BLP)	Satin Bronze (BZP)	Satin White (WHP)	Satin Aluminum (SAP)
Black Winkles (BLW)	Bronze Winkles (BZW)	White Winkles (WHW)	Verde (VER)

**PREMIUM FINISHES**

Cascade Mtn. Granite (CMG)	Rocky Mtn. Granite (RMG)	Siena Mtn. Granite (SMG)	Abluzion Mtn. Granite (AMG)	Textured Forest (TXF)
Black Chrome (BCM)	Bolge (BGE)	Weathered Copper (WCP)	Old Copper (OCP)	Marian Green (HUG)
Antique Brass Powder (ABP)	Brown Paint Powder (BPP)	Sonoran Desert Sandstone (SDS)	Weathered Iron (WIR)	Clear Anodized Powder (CAP)
Cream (CRM)	Antique White (AQW)	Natural Brass Powder (NBP)		


Click here to view larger, full-color swatches of all available finishes on our website.

**TITLE 24, JAS COMPLIANT**

DENALI LED (INTEGRAL)			IP66 RATED
DATE:	PROJECT:	TYPE:	
Accessories (Configure separately)			
<div><div></div><div></div><div></div><div></div></div>			
Power Pipe	Canopies	Power Canopy	PM2D & PM2I
<h2>SPECIFICATIONS</h2>			
ELECTRICAL	WATTAGE	13W or 21W LED	
	LED	COB technology and modular design with electrical quick disconnects allow for easy field upgrade and maintenance. LM-80 modified. Title 24 LM compliant options available. Minimum 50,000 hour rated life at 70% of initial lumens (L70).	
	COLOR MANAGEMENT	COB technology delivers natural white light. Exact color point conformity exceeds ANSI C78.317 standard. Module exceeds 80 CRI (RA80, RA98). Color point uniformity ± 2SDCM color control for 2700K-4000K. CCT. INCandescent/ELV Color Control Option Driver. Dimming driver for use with standard Incandescent or electronic low voltage dimmers (80-100% range). 120VAC, 50/60 Hz. UL350E rated wire	
	WIRING	INCandescent/ELV Color Control Option Driver. Dimming driver for use with standard Incandescent or electronic low voltage dimmers (80-100% range). 120VAC, 50/60 Hz. 0-10 V Control Option Driver. Dimming driver for use with standard 0-10V dimmers (15-100% dim, range). 20-277VAC. WHH11H 400mA / 700mA (WHV) 50/60Hz. >15 Power Factor, >90% THD, >2500mA in-rush current, >20% THD (nominal at 120VAC full load). Output over-voltage, over-current, and short circuit protection with auto recovery. Class 2 power supply. FCC/CE/UL Part 15 Compliant Class B (120VAC)/Class A (277VAC).	
PHYSICAL	MATERIALS	Furnished in copper-free aluminum (6061-T6)	
	BODY	Unibody design with enclosed, water-proof wiring and integral heat sink fully machined from solid block. Anti-condensation and corrosion wet-equivalents future proof and eliminates potential for damage to internal components.	
	KNUCKLE	360HD Mounting System features a mechanical slipjoint, allowing full 360° vertical adjustment without the use of tam-evident serrated lugs. High temperature, silicone 37 Ring provides water-tight seal and compressive resistance to maintain future position. Design withstands 75 lbs. static load prior to movement for optical alignment with a 1/4" pin thread for mounting. Blended source control additionally provides 360° horizontal rotation in addition to vertical adjustment. And, LED technology allows precision adjustment without the redundant tightening and loosening of knuckle screw.	
	CAP	Fully machined and accommodates two (2) lens or lower media.	
	LENS	Shock resistant, tempered glass lens is factory added to future cap and provides hermetically sealed optical compartment.	
	HARDWARE	Tamper-resistant, stainless steel hardware. 360HD hardware is black oxide treated for additional corrosion resistance.	
	OPTICS	Interchangeable optics permit changes in the field.	
	FINISH	StarGuard, our 5-stage chemical-free process, cleans, dears and conversion coats aluminum components prior to application of Class A TG TGC protective powder coating and a R9Hs compliant.	
	WARRANTY	5-year limited warranty	
	CERTIFICATION & LISTING	UL tested to UL878 (LM 79-01). Listed, Certified to CAN/CSA/ANSI Standards, R9Hs compliant components. Suitable for indoor or outdoor use, in wet locations, and for installation within e of the ground. IP66 Rated. Made in the USA with sustainable processes.	
<div><div></div><div>TITLE 24, JAS</div></div> <div><div></div><div>UL</div></div> <div><div></div><div>RoHS</div></div> <div><div></div><div>USA</div></div>			

\*DIMMABLE CANOPY LIGHTING FIXTURES  
ARE DIRECTED DOWN, NOT UP  
\*ALL NEW LIGHTING IS TO BE 3500K  
(COLOR TEMP)

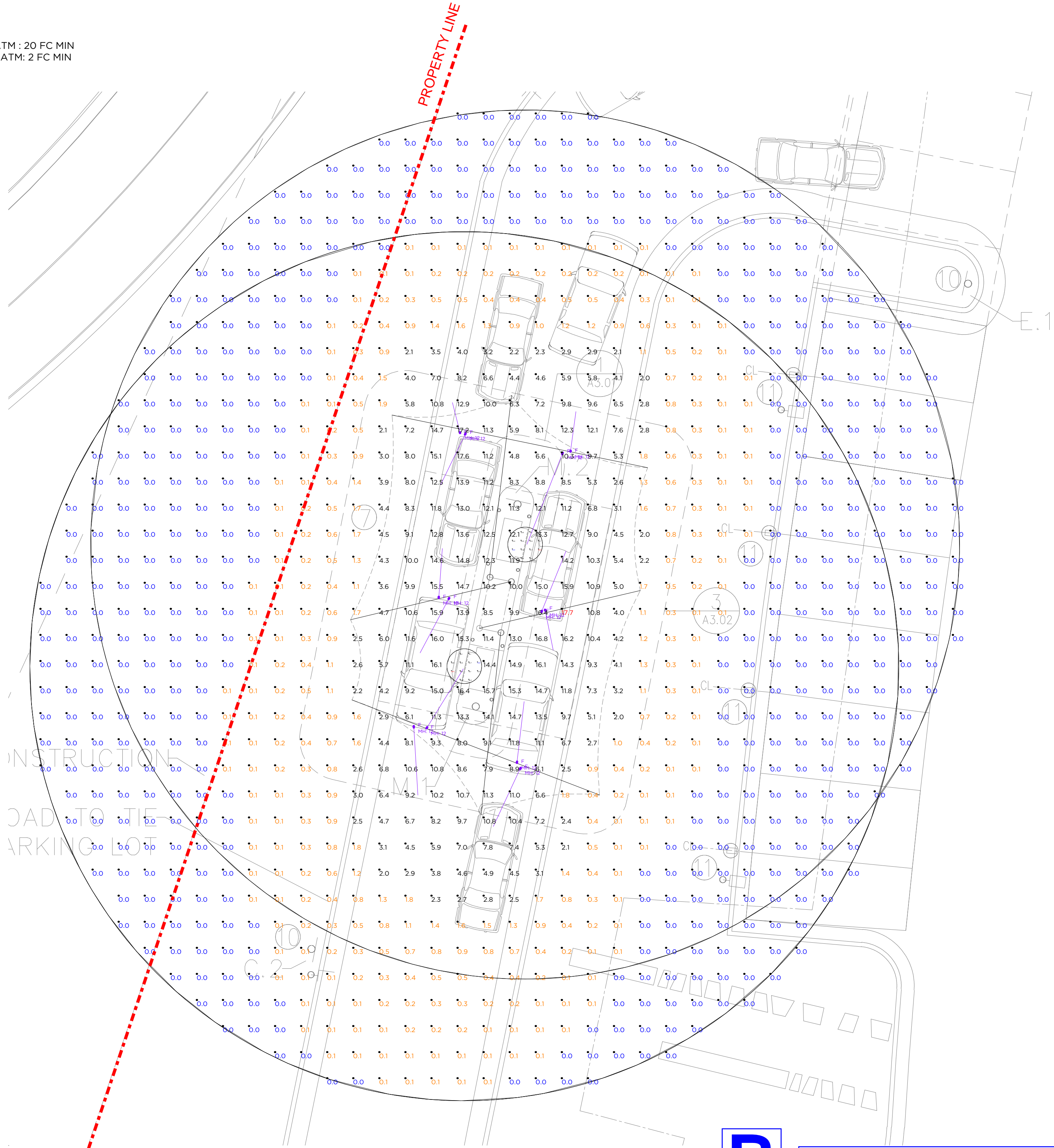


Luminaire Schedule									
Symbol	Qty	Label	Arrangement	[MANUFAC]	Description	LLF	Luminaire Lumens	Luminaire Watts	Total Watts
	12	F	Single	B-K Lighting INC	DE-LED-TR-X125-WFL-9-C-PROTOTYPE(4000K)	0.900	1627	21.7766	261.319

Calculation Summary									
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	PtSpcLr	Grid Z
ATM 1 - 2FT RADIUS ZONE	Illuminance	Fc	13.17	14.0	12.3	1.07	1.14	1	0
ATM 2 - 2FT RADIUS ZONE	Illuminance	Fc	16.08	16.9	14.9	1.08	1.13	1	0
ATM ZONE	Illuminance	Fc	1.78	17.7	0.0	N.A.	N.A.	3	0
ATM 1 - 50FT RADIUS ZONE	Illuminance	Fc	2.48	17.7	0.0	N.A.	N.A.		
ATM 2 - 50FT RADIUS ZONE	Illuminance	Fc	2.49	17.7	0.0	N.A.	N.A.		

NOTES:  
- WHEN THE LLF IS NOT 0.9 OR 1.0 THEN THE WATTAGE INFORMATION WILL NOT BE CORRECT  
- FIXTURE LOCATIONS AS PROPOSED  
- FIXTURE GLARE HAS NOT BEEN FACTORED INTO THE LAYOUT CONSIDERATION

TARGET:  
ATM  
- WITHIN 2' OF ATM : 20 FC MIN  
- WITHIN 50' OF ATM: 2 FC MIN



PHOTOMETRY  
Scale: 1 inch= 8 Ft.

**B** FOOTCANDLE STUDY

CANOPY LIGHTING FIXTURES ARE DIRECTED DOWN, NOT UP

Disclaimer:  
SESCO Lighting provides this photometric report for purposes of comparison within the SESCO Lighting product line only. The information provided is based on standardized industry procedures.  
This laboratory performance will always differ from that observed in the field due to a great number of variables, both known and unknown (installation methods, power quality, lamping, recoverable and non-recoverable light loss factors, etc.)  
In general, SESCO Lighting considers numerical studies to be predictive in that they cannot characterize the visual performance of any luminaire, single or grouped. As such, specification decisions must be thoroughly based upon experience, consultation with the manufacturer, and, above all, common sense.

Sales Rep: Kent Gainey

Office: Atlanta, GA

Contact No: (770) 449-7045

Processed By: J.Garner

Filename: 01-27-2025 NAVY FEDERAL CREDIT UNION ATMS.AGI

Navy Federal Credit Union  
ATM Addition





PHOTOS TAKEN 5/16/25

**REGARDING VEHICLE HEADLIGHT PROJECTION**  
 WE BELIEVE THE SITE (TOPOGRAPHY, VEGETATION BUFFERS, FENCING),  
 WILL NOT ALLOW ANY LIGHT POLLUTION TO EXTEND PAST THE CURRENT  
 PROPERTY LINES ONTO NEIGHBORING PROPERTIES

