

**Executive Secretary** 

# PLANNING AND BUILDING DEPARTMENT PLANNING DIVISION RECEIVED

2850 Fairlane Court, Placerville, CA 95667

924 B Emerald Bay Road, South Lake Tahoe, CA 96150

Phone: (530) 621-5355 Email: planning@edcgov.us https://www.eldoradocounty.ca.gov/Land-Use/Planning-Services

FEB - 5 2005

EL DORADO COUNTY BUILDING DEPARTMENT

APPLICATION TYPE: Design Review	FILE#
ASSESSOR'S PARCEL NO.(s) 083-383-010, 082-383-011	P HOUSE
PROJECT NAME/REQUEST: (Describe proposed use) Cam	bridge Plaza,
Facade upgrade and addition of three ornamental towers to exist	ing buildings FFP 2025
APPLICANT/AGENT_Agent, Sutton & Associates, Inc., Steve	Sutton Planting AND PARTITION
Mailing Address6130 Freeport Blvd. #100-C	Sacramento CA 95822
P.O. Box or Street	City State & Zip
Phone (916) 476-3911 Em	ail:_suttonarch@yahoo.com
PROPERTY OWNER Singh Satnam	
Mailing Address Cambridge Liquor Store 3960 Cambrid	dge Road Cameron Park CA
P.O. Box or Street	City State & Zip
Phone (530) 391-1352 Em	ailsukhbhangu43@gmail.com
LIST ADDITIONAL PROPERTY OWN	ERS ON SEPARATE SHEET IF APPLICABLE
ENGINEER/ARCHITECT Sutton & Associates, Inc., Patrice A.	Stafford PE
Mailing Address 6130 Freeport Blvd. #100-C	Sacramento CA 95822
P.O. Box or Street	City State & Zip
Phone (916) 476-3911 Em	ail_pasdesign1@gmail.com, suttonarch@yahoo.com
LOCATION: The property is located on the North	side of HWY 50
N/E/W/S	Street or Road
0feet/miles Northof the inte	rsection with Cambridge Road & Mary Chase Dr.
N/E/W/S	Major Street or Road
in the Cameron Park area.	Property Size:
	acreage/square footage
XDate_	1/16/2025 acreage/square rootage
Signature of property owner or authorized agent	, ,
Date 1-23-2025 Fee 274(0.28) Receipt # K	CE USE CHLY
	Rec'd by Census
Zoning CL GPD Cupervisor Di	strict Sec 4 Twn 9 Rng 7
ACTION BYPLANNING COMMISSION	ACTION BY BOARD OF SUPERVISORS
ZONING ADMINISTRATOR	
PLANNING DIRECTOR	
Hearing Date	Hearing Date
ApprovedDenied	ApprovedDenied
Findings and/or conditions attached	Findings and/or conditions attached
	APPEAL
Χ	ApprovedDenied

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FEB - 5 2025 EL DORADO COUNTY BUILDING DEPARTMENT

### COUNTY OF EL DORADO CAMPAIGN CONTRIBUTION DISCLOSURE FORM

Application of Solicitation Number:		
Application or Solicitation Title:		
	icer on or afte	ount, made to any member of the El Dorado County Board or January 1, 2023, by the applicant, or, if applicable, any t's agent or lobbyist?
Yes No_ X		
If no, please sign and date below.		
If yes, please provide the following information	ion:	
Applicant's Name:		
Contributor or Contributor Firm's Name:		
Contributor or Contributor Firm's Address:		
Is the Contributor:		
o The Applicant	Yes	No
o Subcontractor	Yes	No
o The Applicant's agent/ or lobbyist		No
and/or agent/lobbyist made campaign contributes of contribution(s) and dollar amount of year of the contribution.	butions on or f the contribu	Agency Officer(s) to whom you, your subcontractors, after January 1, 2023, the name of the contributor, the tion. Each date must include the exact month, day, and
Name of Board of Supervisors Member or C Name of Contributor:		
Date(s) of Contribution(s): Amount(s):		
		oard Members or County Agency Officer to whom you,
your subconsultants, and/or agent/lobbyist	made campaig	n contributions)
County any future contributions made to Be applicable, any of the applicant's proposed	oard Members subcontractor	in are true and correct. I also agree to disclose to the sor County Agency Officers by the applicant, or, if so r the applicant's agent or lobbyist after the date of ving the approval, renewal, or extension of the requested
2/3/2025		
Date	<del></del>	Signature of Applicant
		Singh Satnam
Print Firm Name if applicable		Print Name of Applicant
		- come a resident and a shift presents

DR25-0002



#### EL DORADO COUNTY BUILDING SAFETY DIVISION

FER - 5 2025

EL DORADO COUNTY

BUILDING DEPARTMENT

#### PERMIT APPLICATION SUPPLEMENT (PART 4)

ASSESSOR'S PARCEL NUMBER 082-383-	011 APPLICATION	#	
IMPORTANT	NOTICE TO PROPERTY OWNER	<b>.</b>	
Dear Property Owner:			
An application for a building permit has been submitting improvements specified at:	ted in your name, listing yourself as the	e builder of the prope	erty
3960 Cambridge Road	Cameron Park	CA.	95682
Street	City	State	Zip

We are providing you with an Owner-Builder Acknowledgement and Information Verification Form to make you aware of your responsibilities and the possible risks you may incur by having this permit issued in your name as the Owner-Builder. **We will not issue a building permit until you have read, indicated your understanding of each provision, signed and returned this form to our office.** An agent of the owner cannot execute this notice unless you, the property owner, obtain prior approval from El Dorado County Building Safety Division.

#### 1. OWNER'S ACKNOWLEDGEMENT AND VERIFICATION

Owner-Builder Acknowledgement And Verification Information State of California Health and Safety Code Section 19825 -19829

DIRECT	IONS: Read and initial each statement below to signify you understand or verify this information.
	I understand a frequent practice of unlicensed persons is to have the property owner obtain an "Owner-Builder" building permit that erroneously implies that the property owner is providing his or her own labor and material personally. I, as an Owner-Builder, may be held liable and subject to serious financial risk for any injuries sustained by an unlicensed person and his or her employees while working on my property. My homeowner's insurance may not provide coverage for those injuries. I am willfully acting as an Owner-Builder and am aware of the limits of my insurance coverage for injuries to workers on my property.
	I understand building permits are not required to be signed by property owners unless they are responsible for the construction and are not hiring a licensed Contractor to assume this responsibility.
	I understand as an "Owner-Builder", I am the responsible party of record on the permit. I understand that I may protect myself from potential financial risk by hiring a licensed Contractor and having the permit filed in his or her name instead of my own.
	I understand Contractors are required by law to be licensed and bonded in California and to list their license numbers on permits and contracts.
	I understand if I employ or otherwise engage any persons, other than California licensed Contractors, and the total value of my construction is at least five hundred dollars (\$500), including labor and materials, I may be considered an "employer" under state and federal law.
	I understand if I am considered an "employer" under state and federal law, I must register with the state and federal government, withhold payroll taxes, provide workers' compensation disability insurance, and contribute to unemployment compensation for each "employee." I also understand my failure to abide by these laws may subject me to serious financial risk.
	I understand under California Contractors' State License Law, an Owner-Builder who builds single-family residential structures, cannot legally build them with the intent to offer them for sale, unless all work is performed by licensed subcontractors and the number of structures does not exceed four within any calendar year, or all of the work is performed under the contract with a licensed general building Contractor.

PERMIT APPLICATION
DISCLOSURES & FORMS FOR OWNER-BUILDERS APPLYING FOR CONSTRUCTION PERMITS
(PART 4) (PAGE 2 OF 2)

_ ==-			(PART 4) (PART 4)	AGE 2 OF 2)
I understand as an O	wner-Builder, if I sell the property for which this njuries sustained by any subsequent owner(s) naterials.			
I understand I may ob Service, the United S California Division of	otain more information regarding my obligations tates Small Business Administration, the Califor Industrial Accidents. I also understand that I m B) at 1-800-321-CSLB (2752) or www.cslb.ca.go	nia Department of Benefit ay contact the California C	Payments, a ontractors' S	and the
	onsent to an Owner-Builder building permit appl ncially responsible for proposed construction a			at I am the
I agree that, as the pa	arty legally and financially responsible for this pe equirements that govern Owner-Builders as we		ty, I will abid	e by all
	ssuer of this form immediately of any additions, form.	deletions, or changes to ar	ny of the info	rmation I
license, the Contractors' State a complaint. Your only remedy that if an unlicensed Contractor liable for damages. If you obta	ated by laws designed to protect the public. If y License Board may be unable to assist you with against unlicensed Contractors may be in civil or employee of that individual or firm is injured in a permit as Owner-Builder and wish to hire Cors are properly licensed and the status of their was a second or the contract of their was a second or their w	any financial loss you ma court. It is also important the while working on your pro- contractors, you will be resp	y sustain as for you to un perty, you m ponsible for y	a result of derstand ay be held verifying
<b>Dorado County Building Safety</b>	e issued, this form must be completed and signe Division. Note: In order to verify the property or rnment-issued identification at permit issuance.	wner's signature, you will l	oe required t	
Property Owner's Signature:		Date: 7/29	/2024	
	F AGENT TO ACT ON PROPERTY OWNER'S t complete the following Authorization Form wh for the Owner-Builder.		the property	owner to
the following person(s) to act a	ty Owner, the execution of which I understand is s my agent, to apply for, sign, and file the docu of Construction Project (or Description of Work):			
Face lift which includes towers.	s a wainscot, color coating, mansar	d roofing thoughout	and 3 nev	w accent
Property Location or Address:	3960 Cambridge Road	Cameron Park	CA.	95682
	Street	City	State	Zip
Name of Authorized Agent:	Steve Sutton	Phone: 916-476-39	11	
Address of Authorized Agent: _	6130 Freeport Blvd. Suite 100-C	Sacramento	CA.	95822
	Street	City	State	Zip
personally completed the above	ury, that I am the owner of the property listed all e information and certify its accuracy. Please Ner's license or other government-issued identific	lote: In order to verify your ation at permit issuance.	signature, y	
		7/29	10001	



## PLANNING AND BUILDING DEPARTMENT PLANNING DIVISION

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EL DORADO COUNTY BUILDING DEPARTMENT

2850 Fairlane Court, Placerville, CA 95667 924 B Emerald Bay Road, South Lake Tahoe, CA 96150

Phone: (530) 621-5355 Email: planning@edcgov.us

https://www.eldoradocounty.ca.gov/Land-Use/Planning-and-Building/Planning-Division

#### **DESIGN REVIEW**

The following items 1 through 9 must be provided with all applications. The remaining items shall be required where applicable. If all the required and applicable information is not provided, the application will be deemed incomplete and will not be accepted. For your convenience, please use the applicant column on the right to be sure you have all the required and applicable information. All plans and maps must be folded to 8½" x 11".

	REQUIRED SUBMITTAL INFORMATION	Applicant	County
1)	Completed and signed application form and Agreement for Payment of Processing Fees form.	V'	
2)	Letter of authorization from all property owners authorizing agent to act as applicant, when applicable.	V	OW
3)	Proof of ownership (Grant Deed) if the property has changed title since the last tax roll.	NA	/
4)	A copy of the official Assessor's map, showing the property outlined in red.	V	/
5)	An $8\%$ " x 11" vicinity map showing the location of the project in relation to major roads, intersections, and town sites.	1	
6)	Completed and signed Environmental Questionnaire form.	V	6
7)	Provide the name, mailing address, phone number, and email address of all property owners and their agents.	レ	
8)	A record search for archaeological resources shall be conducted through the North Central Information Center located at CSU-Sacramento, 7667 Folsom Blvd., Folsom Hall, Suite 2042, Sacramento, CA 95826, phone number (916) 278-6217, email <a href="mailto:ncic@csus.edu">ncic@csus.edu</a> . Email is preferred. If the record search identifies a need for a field survey, a survey shall be required. A list of Archaeological Consultants and survey requirements is available from the Planning Division. Archaeological surveys shall meet the "Guidelines for Cultural Resource Studies" approved by the	N/A	V
9)	Board of Supervisors and available from the Planning Division.  A traffic impact determination shall be provided utilizing El Dorado County's  "Transportation Impact Study (TIS) – Initial Determination Form, located on the Planning Division website under "Applications".		0
10)	If public sewer or water service is proposed, obtain, and provide a Facilities Improvement Letter if the project is located within the EID service area, or a similar letter if located in another sewer/water district.		/
11)	If off-site sewer or water facilities are proposed to serve the project, provide four (4) copies of a map showing the location and size of proposed facilities. If ground water is to be used for domestic water, submit a report noting well production data for adjacent parcels, or submit a hydrological report prepared by a geologist noting the potential for water based on the nature of project site geology.		1
12)	In an accompanying report, provide the following data for area on each proposed parcel which is to be used for sewage disposal:	1	1

	a) The percolation rate and location of test on 4.5 acres or smaller.	NA	1
	b) The depth of soil and location of test.	ì	1
	c) The depth of groundwater and location of test.		
	d) The direction and percent of slope of the ground.		
	e) The location, if present, of rivers, streams, springs, areas subject to inundation, rock outcroppings, lava caps, cuts, fills, and easements.		
	f) Identify the area to be used for sewage disposal.		
13)	g) Such additional data and information as may be required by the Director of Environmental Management to assess the source of potable water, the disposal of sewage and other liquid wastes, the disposal of solid wastes, drainage, and erosion control.  Preceding parcel map, final map, or record of survey if any exists.		
14)	Preliminary grading, drainage plan, and report. The plan should be of sufficient detail to identify the scope of grading, including quantities, depths of cuts and fills		
-	(for roads and driveways where cuts/fills exceed 6 feet and mass pad graded lots), location of existing drainage, proposed modifications, and impacts to downstream facilities. See Section 110.14.200 of the County Grading Ordinance for submittal detail.		
15)	If located within on of the five Ecological Preserve – EP overlay zones (Mitigation Area 0) or in gabbro soils areas (Mitigation Area 1), rare plants may exist on-site. The State Department of Fish and Wildlife will require an on-site biological plant survey to determine the extent and location of rare plants on the project site. Such a survey can only occur from March 15 through August 15 when plants are readily visible. Therefore, if the State Department of Fish and Wildlife requires the plant survey, a substantial delay in the processing of your application could result. To avoid potential delays, you may choose to provide this survey with application submittal. A list of possible Botanical Consultants is available from the Planning		
16)	Division.  Name and address of Homeowners' Association, CSA 9 Zone of Benefit, or other road maintenance entity if it exists in the project area.		
17)	A site-specific wetland investigation shall be required on projects with identified wetlands as delineated on the applicable U.S.G.S. Quadrangle and/or by site visit, when proposed improvements will directly impact the wetland (reduce the size of the wetland area) or lie near the wetlands. Available from the Planning Division are the U.S. Army Corps of Engineers requirements for a wetlands delineation study. A list of qualified consultants is also available.		
18)	An acoustical analysis shall be provided whenever a noise-sensitive land use (residences, hospitals, churches, libraries, etc.) are proposed adjacent to a major transportation source, or adjacent or near existing stationary noise sources. Such study shall define the existing and projected noise levels and define how the project will comply with the standards set forth in the General Plan.		
19)	Where potential for special status plant and/or animal habitats are identified on the parcel(s), an on-site biological study shall be required to determine if the site contains special status plant or animal species or natural communities and habitats.		

20)	An air quality impact analysis shall be provided utilizing the El Dorado County Air	11/4		
	Quality Management District's "Guide to Air Quality Assessment".	N/A	,	

#### OAK TREE/OAK WOODLAND REMOVAL

The following supplemental information shall be required if any Oak Woodlands, Individual Native Oak Trees, or Heritage Trees, as defined in Section 130.39.030 (Definitions) will be impacted by the project (i.e., cut down) consistent with Section 130.39.070 (Oak Tree and Oak Woodland Removal Permits – Discretionary Development Projects).

	FORMS AND MAPS REQUIRED	Applicant	County
1)	Completed and signed Oak Resources Code Compliance Certificate.	N/A	1
2)	Oak Resources Technical Report prepared by a qualified professional consistent with Section 2.5 (Oak Resources Technical Reports) of the Oak Resources Management Plan.		
3)	Completed Oak Resources Technical Report Checklist, including supplemental data for impacted Individual Native Oak Trees within Oak Woodlands, as applicable.		
4)	Security deposit for on-site oak tree/oak woodland retention and/or replacement planting (if proposed as part of project mitigation) consistent with Section 130.39.070.F (Security Deposit for On-Site Oak Tree/Oak Woodland Retention) and Section 130.39.070.G (Security Deposit for On-Site Oak Tree/Oak Woodland Replacement Planting).		V
5)	Reason and objective for impact to oak trees and/or oak woodlands.	<b>V</b>	

#### **SITE PLAN REQUIREMENTS**

Five copies plus an electronic copy (CD-ROM or other medium) of the site plan detailing what exists on the site at time of application shall be submitted on 24" x 36" sheets or smaller, drawn to scale, and of sufficient size to clearly show all details and required data. All plans must be folded to 8 ½" x 11", plus one 8½" x 11" reduction. No rolled drawings will be accepted. For your convenience, please check the Applicant column on the right to be sure you have all the required submittal information.

	FORMS AND MAPS REQUIRED	Applicant	County'
1)	Project name, if applicable.	V	/
2)	Name and address of applicant and designed, if applicable.	V	
3)	Date, north arrow, and scale.	V	
4)	Entire parcel of land showing perimeter with dimensions.	V	
5)	All roads, alleys, streets, and their names.	V	
6)	Location of easements, their purpose and width.	V	
7)	All existing and proposed uses (i.e., buildings, driveways, dwellings, utility transmission lines, etc.).	V	/
8)	Parking and loading stalls with dimensions, refer to Zoning Ordinance Chapter 130.35 – Parking and Loading, and the Community Design Standards – Parking and Loading Standards.	V	V

9)	Trash and litter storage or collection areas, and propane tank location(s).	(王)	
10)	Total gross square footage of proposed buildings.	(E)	N
11)	Existing and proposed fences or walls.	レ	V
12)	Sign locations and sizes, if proposed. Refer to Zoning Ordinance Chapter 130.16 – Signs (Ordinance No. 5025).	L-	1
13)	Pedestrian walkways, courtyards, etc., if proposed.	( <u>F</u> )	1
14)	Exterior lighting, if proposed. Refer to Zoning Ordinance Chapter 130.34 and the Community Design Standards – Outdoor Lighting Standards.	NA	/
15)	Existing and proposed water, sewer, septic systems, and wells, if applicable.	VN/A	
16)	Existing and proposed fire hydrants.	V	
17)	Tentative subdivision or parcel map, if applicable.	NA	1
18)	Adjacent parcel owner(s) Assessor's Parcel Number, unless this is included on the tentative map.		/
19)	Public uses (schools, parks, etc.).	N/A	
20)	The location, if present, of rock outcroppings, lava caps, drainage courses, lakes, canals, reservoirs, rivers, streams, spring areas subject to inundation and wetlands. Show respective 100-foot and 50-foot septic system setbacks when a septic system is proposed.		~
21)	Identify areas subject to a 100-year flood on perennial streams or creeks and show high water level (100-year) on map. Where this data is not readily available, January 1997 flood level can be shown if known. Refer to the Federal Emergency Management Agency (FEMA) website.		1
22)	Note any proposed trails within the project, and where applicable, connection to existing or proposed trail systems.	$\bigvee$	

#### PRELIMINARY LANDSCAPE PLAN REQUIREMENTS

Required when parking facilities are proposed or otherwise at planner's discretion. Refer to Zoning Ordinance Chapter 130.35. Five copies plus an electronic copy (CD-ROM or other medium), folded to  $8\frac{1}{2}$  x 11", plus one 11" x 17" reduction.

	FORMS AND MAPS REQUIRED	Applicant	County
1)	Location, quantity, and a gallon size of proposed plant material. See Zoning Ordinance Chapter 130.33 – Landscaping Standards, and the Community Design Standards – Landscaping and Irrigation Standards.	WA	1
2)	Note quantity and type of trees to be removed.		1
3)	Location, general type (pine, oak, etc.) and size of all existing trees, in those areas that are subject to grading or otherwise may be removed or affected by proposed improvements.		1
4)	List of both common and botanical names of plant material, use of drought tolerant species is highly recommended. A recommended list of drought tolerant species is available from the Planning Division.	V	

			/	
5)	Location of irrigation proposed. <b>NOTE:</b> The final Landscape Plan will ultimately be required to meet the County's Water Conserving Landscape Standards. Copies are available from the Planning Division.	(哲)		
	•			

#### **PRELIMINARY GRADING AND DRAINAGE PLAN**

Required whenever any grading is proposed. Five copies plus an electronic copy (CD-ROM or other medium), folded to 8½" x 11", plus one 11" x 17" reduction.

	FORMS AND MAPS REQUIRED	Applicant	County
1)	Contours or slope data, pursuant to Chapter 110.14 of the County Grading, Erosion, and Sediment Control Ordinance.	N/A	/
2)	Drainage improvements, culverts, drains, etc.		V
3)	Limits of cut and fill.		/

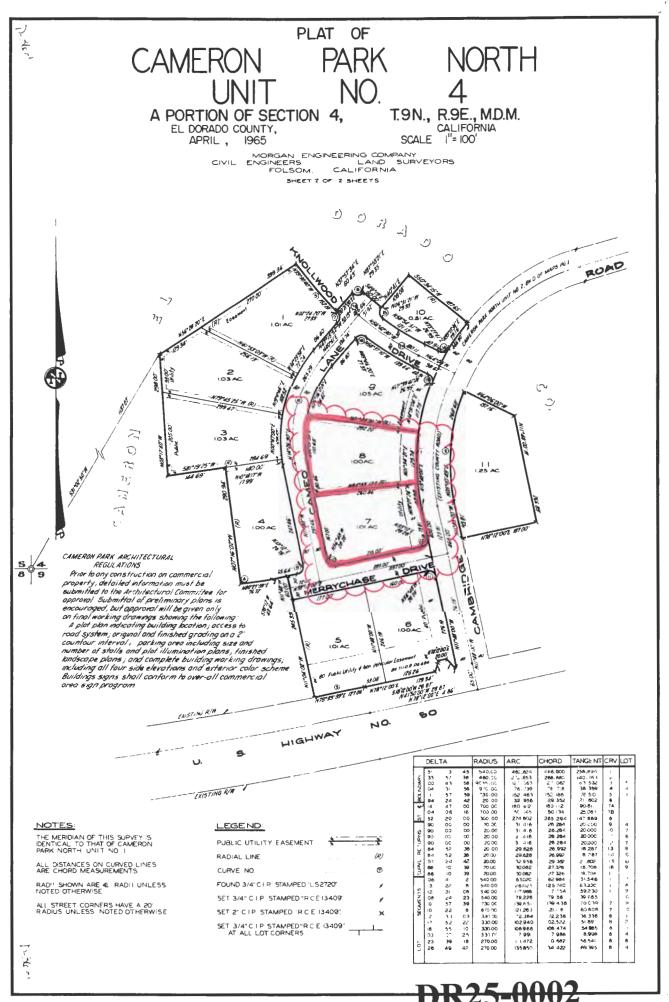
#### **PLAN OF BUILDING ELEVATIONS**

Required whenever a new structure or addition is proposed. Five copies plus an electronic copy (CD- ROM or other medium), folded to 8½" x 11", plus one 11" x 17" reduction.

	FORMS AND MAPS REQUIRED	Applicant	County
1)	Building design, elevations of all sides.	V	V
2)	Exterior materials, finishes, and colors.	V	1/
3)	Existing and proposed signs showing location, height, and dimensions. Include sign plan for project with multiple businesses.	V	V

The Planning Division reserves the right to required additional project information as provided by Section 15060 of the California Environmental Quality Act, or as required by the General Plan development policies, when such is necessary to complete the environmental assessment.

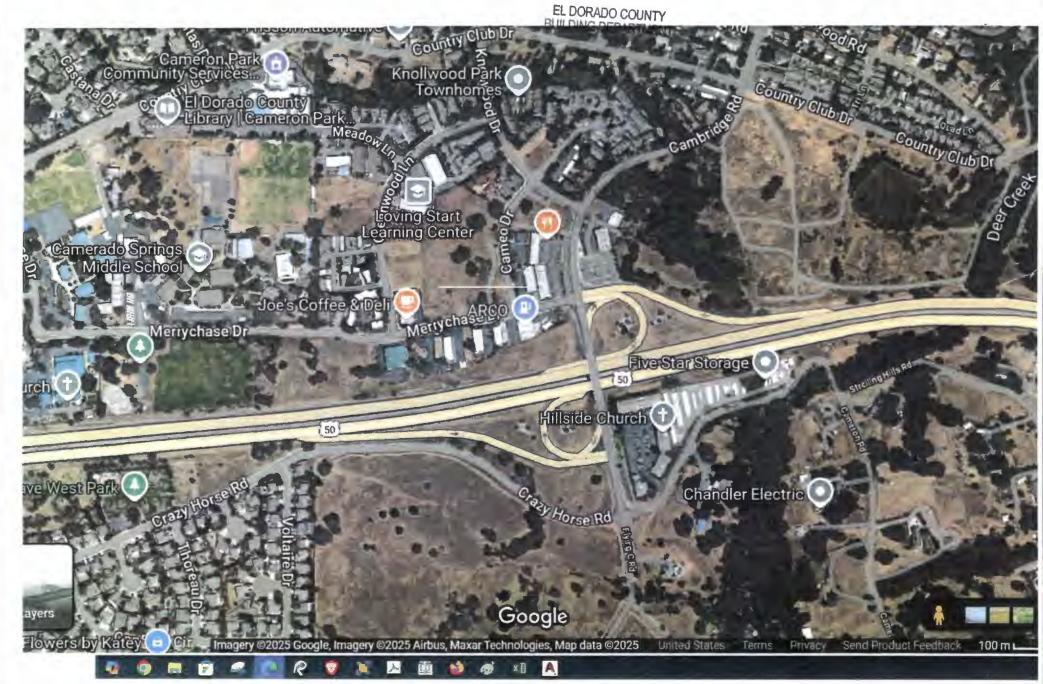
377118 3960 377120 3950 Cambridge Steve Julion

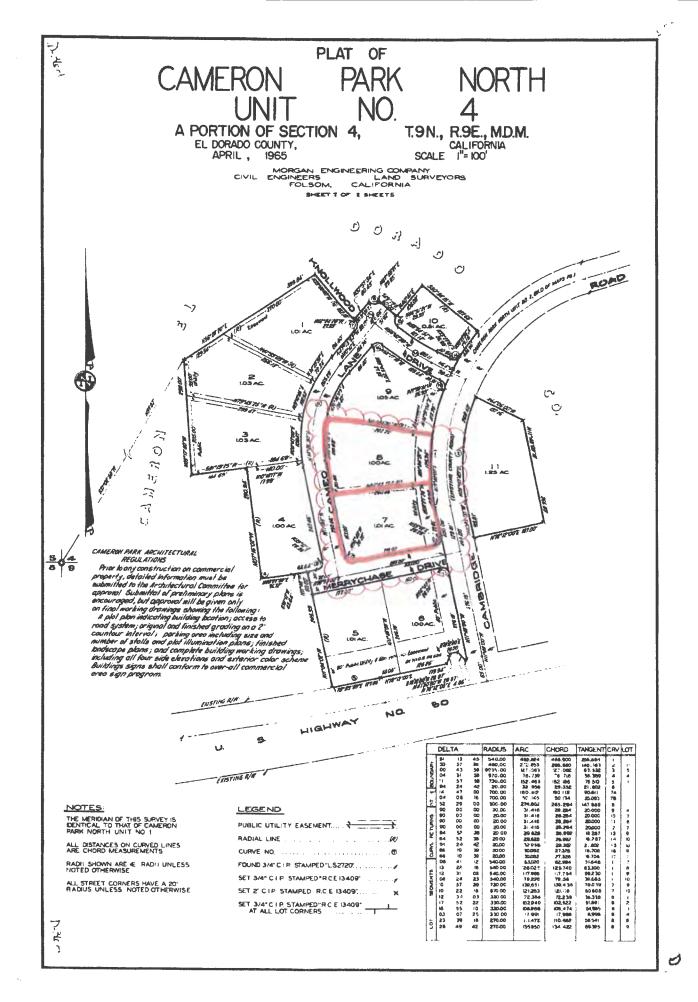


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### RECEIVED

FEB - 5 2025





## **PVDF Cool Coatings**

### **Product Specifications**



. NUCOR company

## Solar Reflectance, Thermal Emittance and Solar Reflectance Index (SRI)

#### Solar Reflectance

To be considered "cool," products must have a Solar Reflectance of at least .25. Solar Reflectance is the fraction of the total solar energy that is reflected away from a surface.

#### Thermal Emittance

Thermal Emittance is the measure of a panel's ability to release heat that it has absorbed.

#### Solar Reflectance Index (SRI)

Put Solar Reflectance and Thermal Emittance together and you get the Solar Reflectance Index (SRI). SRI is calculated by using the values of solar reflectance, thermal emittance and a medium wind coefficient. The higher the SRI value, the lower its surface temperature and consequently, the heat gain into the building. Metal roofs coated with pigmented PVDF resin achieve an SRI of 26-88, depending on the color.

Conventional roof surfaces have low reflectance (0.05 to 0.25) and high thermal emittance (typically over .85). Roof panels with both high reflectance and high emittance can reduce the surface temperature by as much as 30-50% based on color and geographic location, which will result in a reduced heat gain to the building, therefore reducing the energy demand.

GALVALUME® is a registered trademark of BIEC International Inc., and some of its licensed producers.

#### **PVDF COOL PANEL COLORS**

PVDF Cool Color	Initial Solar Reflectance (IR)	Initial Thermal Emittance	Solar Reflectance Index (SRI)
Regal White	.72	0.85	88
Reflective White	.63	0.86	76
Warm White	.63	0.86	76
Pearl Gray	.47	0.86	54
Desert Sand	.57	0.86	67
Surrey Beige	.50	0.85	56
Slate Gray	.37	0.85	40
Royal Blue	.30	0.85	30
Terra Cotta	.36	0.85	38
Cypress Green	.31	0.85	31
Dark Bronze	.32	0.86	33
Brite Red	.38	0.84	40
Charcoal	.32	0.86	34
Midnight Black	.27	0.85	26
Galvalume*	.77	0.08	72

#### **PVDF COOL TECHNICAL INFORMATION**

Test	Test Methods	Performance  0.15 - 0.30 mil primer 0.70 - 0.90 mil topcoat		
Dry Film Thickness	ASTM D1400			
Gloss	ASTM D523 @ 60°	25 - 35		
Solar Reflectance	ASTM E903 Steep Slope: Low Slope:	>25% Initial >15% after 3 years >65% Initial >50% after 3 years		
Emissivity	ASTM C1371, ASTM E408	0.80 (80%) min.		
Pencil Hardness	ASTM D3363	F-2H		
Flexibility	T-Bend, ASTM D4145	0 - 2 T-Bend; No pick off		
Adhesion	ASTM D3359	No adhesion loss		
Reverse Impact	ASTM D2794	No cracking or adhesion loss		
Abrasion, Falling Sand	ASTM D968	65 - 85 Vmil		
Mortar Resistance	ASTM C267	No effect		
Detergent Resistance	ASTM D2248 3% detergent @ 100°F (72 hrs.)	No Effect		
Acid Resistance	ASTM D1308 10% muriatic acid - 24 hrs. 20% sulfuric acid - 18 hrs.	No effect No effect		
Acid Rain Test	Kesternich SO2, DIN 50018	15 cycles min. No objectionable color change		
Alkali Resistance	ASTM D1308 10% , 25% NaOH, 1 hr.	No effect		
Salt Spray Resistance	ASTM B117 5% salt fog @ 95°F	None or few #8 blisters; Max. average 1/8" Scribe creep Passes 1000 hrs.		
Humidity Resistance	ASTM D714, ASTM D2247 100% relative humidity @ 95°F	Passes 1500 hrs. No #8 blisters		
Exterior Exposure	ASTM D2244, ASTM D 4214 10 yrs. @ 45°F, South Florida	Max. 5 fade Max. 8 chalk		

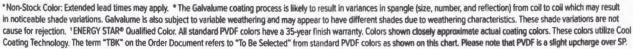
www.nucorbuildingsystems.com

## **PVDF Cool Coatings**

PVDF utilizes a two-coat system featuring fade resistant color, incredible durability, and environmentally-friendly "cool" technology.









### **Castle Gate**



#### **Colonial Collection - Information Sheet**



Pictured: Tumbled Castle Gate | Grey mortar

## Red clay variations as a base with pops of burnt mocha, white wash, and earthly contrasts.

Available Sizes	2 1/4" Modular  Tumbled  C1088 *special shapes, corners, trim pieces & loose brick slabs.			
Available Textures				
ASTM Specifications				
ASTM Type	TBS - grade SW			
ASTM Dimensions	2 1/4" x 7 5/8" x 1/2"			
Comprehensive Strength	3,000 lbs psi			
System Designs	Residential: Commercial: TMS 402 TMS 402 ACI 530 ACSE 5			
Cleaning Recommendations	See BIA Technical Note 20 "Cleaning Brick"			

Colors, flustrated above are fairly represented, but may be deposted differently through photography limitations.

#### **Available Formats**



Brickwebb Sheets - Flats BW-37006CS



Thin Brick Singles - Flats TB-27006CS



Thin Brick Sample S-27006



Brickwebb Sheets - Corners BWC-37006CS



Thin Brick Singles - Corners TBC-27006CS

oldmillbrick.com

## **Nucor Buildings Group Loc Seam Standing Seam Roof Panel**



The Loc Seam Standing Seam Roof System is a vertical rib, flat profile, raised seam metal roof designed to float to accommodate thermal expansion and contraction. Available in both 90 degree and 360 degree mechanically rolled seams, it has been extensively tested to ensure the highest level of performance for weathertightness and structural integrity.



#### **Panel Credentials**

- ASTM E108 Test Methods for Fire Tests of Roof Coverings Class A
- ASTM E1592 Test Method for Wind Uplift Performance of Sheet Metal Roofing Systems
- · ASTM E1646 Test Method for Water Penetration of Exterior Roof Systems
- ASTM E1680 Test Method for Rate of Air Leakage Through Exterior Roof Systems
- ASTM E2140 Test Method for Water Penetration of Metal Roof Panel Systems by Static Water Head
- US Army Corps of Engineers Approved per CEGS 07416 Test Specification
- · FM 4471 Class 1 Approval
- UL 580 Class 90 Approval (Const. No's 331, 332 and 336)
- · State of Florida Product Approval
- · Miami-Dade County Approved
- · SREF (SSTD-97) Impact Testing

#### **Panel Specifications**

						TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
6age	Thickness (in.)	Yield (ksi)	Tensile (ksi)	Panel Wt. (psf)	▶ (Gross) (in⁴)	Sx (eff.) (in³)	M <sub>*</sub> (kip-in)	Sx (eff.) (in³)	Ma (kip-in)
90 seam	0.0225	50	65	1.26	0.1673	0.0986	2.9535	0.0806	1.5285
360 seam	0.0225	50	65	1.26	0.1470	0.0783	2.3453	0.0555	1.3868

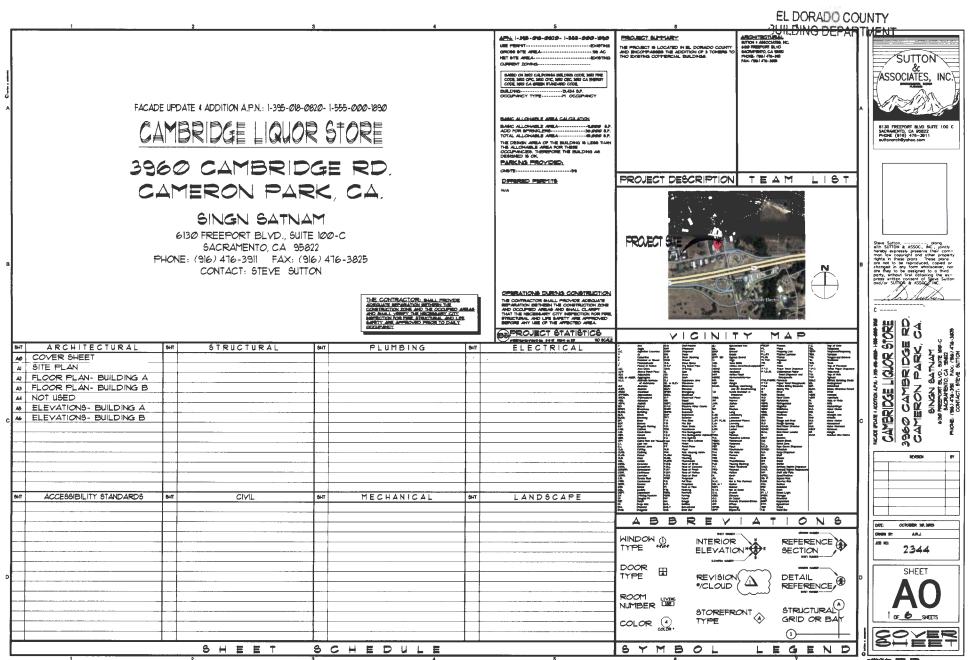
#### Panel Capacity (psf)

	90 SEAM	24 GAGE	360 SEAM	- 24 GAGE	
SPAN (ft.)	Gravity	Uplift	Gravity	Uplift	
2.0	290	75	275	115	
2.5	192	68	179	97	
3.0	135	63	126	87	
3.5	101	59	93	77	
4.0	78	54	71	68	
4.5	62	50	56	58	
5.0	50	45	46	48	
5.27	45	43	41	42	

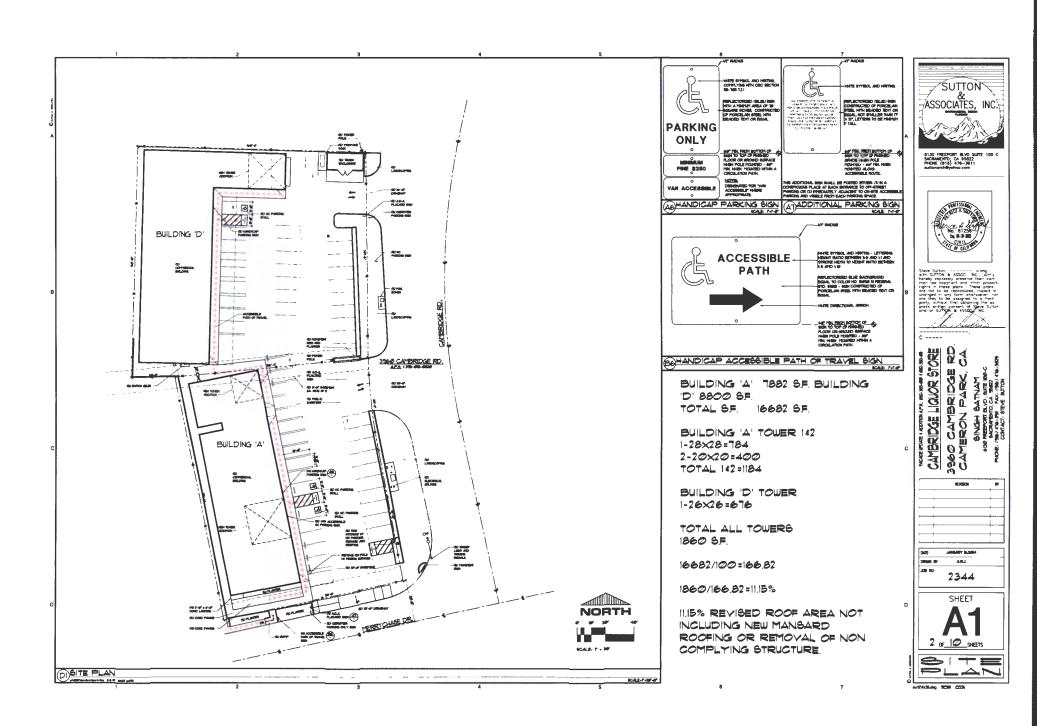
#### NOTES

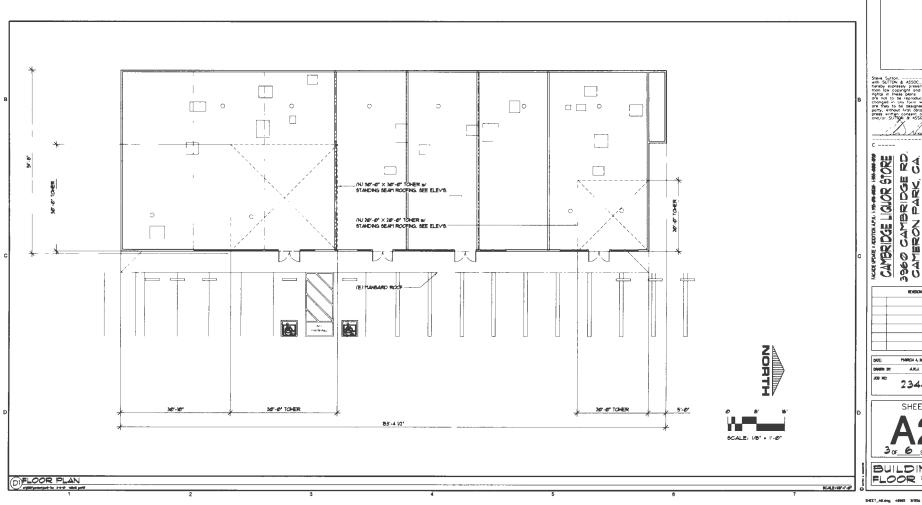
- 1. Section properties were calculated in accordance with AISI S100/CSA S136, 2016 Edition.
- 2. Panels were checked for bending, shear, combined bending and shear, and deflection.
- 3. Deflection is limited to Span/60.
- Uplift loads shown are achieved using the standard panel clip and either the Loc Seam 90 or Loc Seam 360 degree seaming profile noted.
- Uplift loads shown do not include increases in wind Zones 2 and 3 as allowed by AISI S100.
- 6. Thermal load has not been considered.
- 7. Capacities are based on a 3-span condition with equal length spans.
- 8. "Gravity" load is applied inward on the outer surface towards supports.
- 9. "Uplift" load is applied outward on the inner surface away from panel supports.

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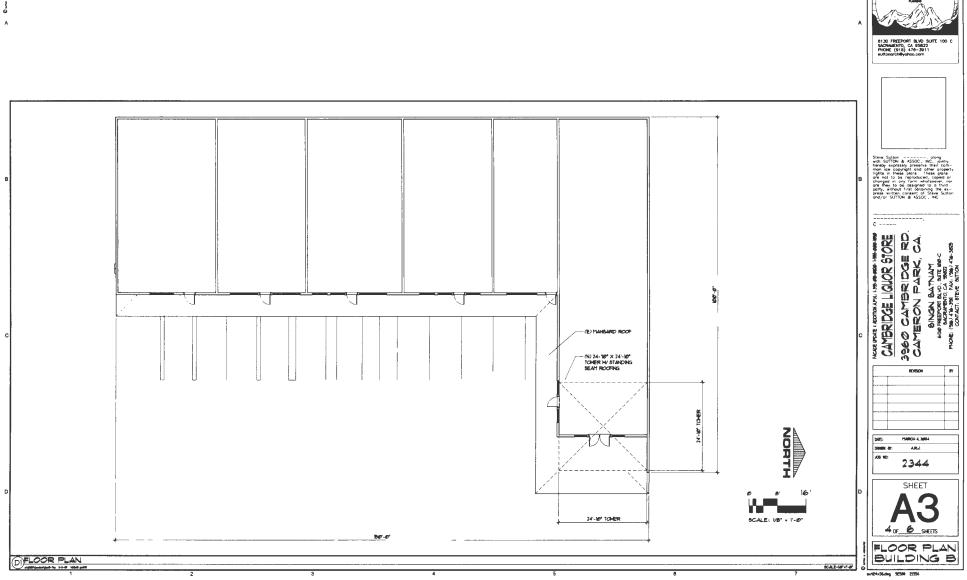


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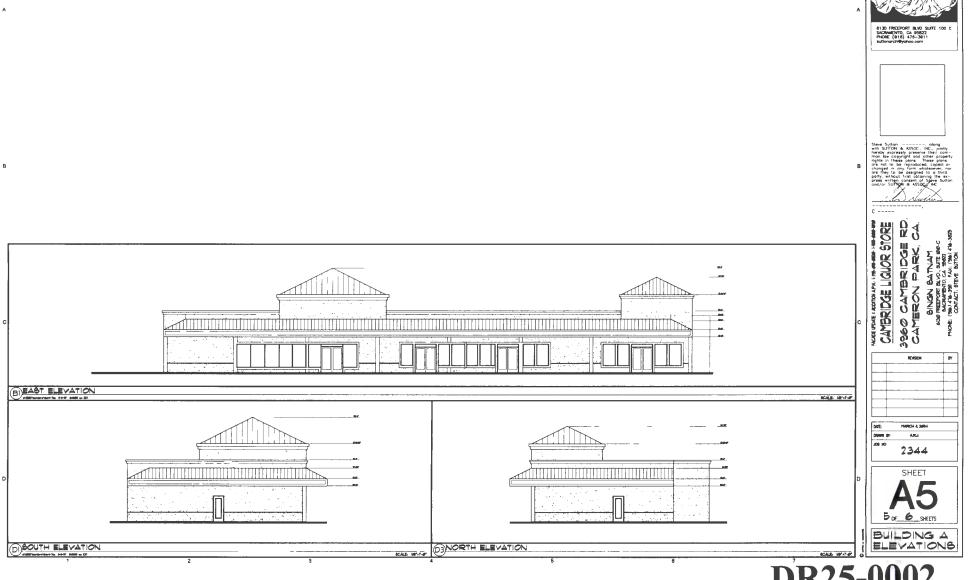




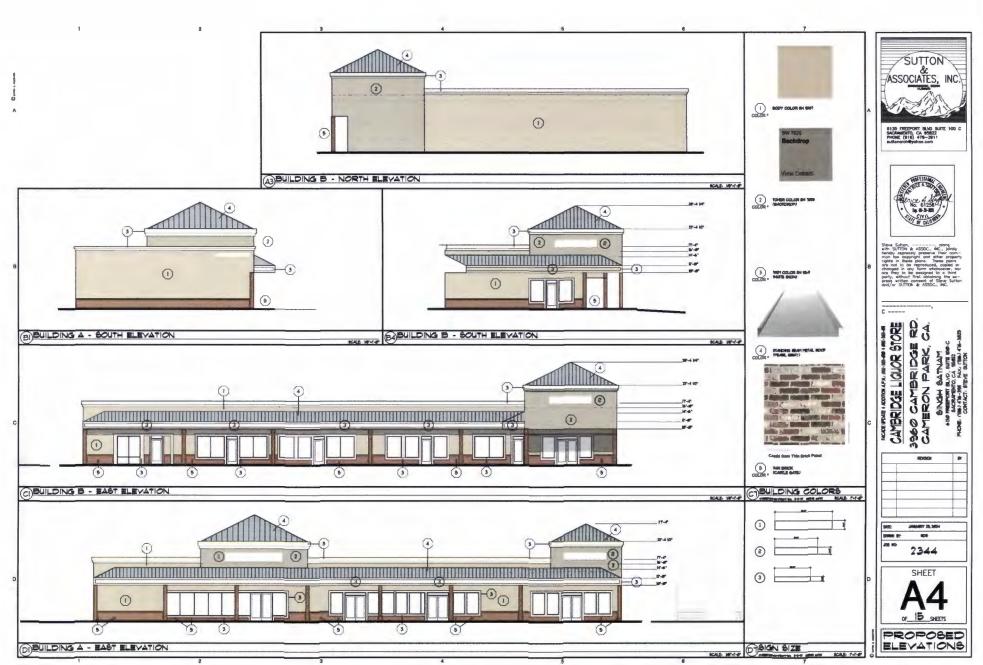




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