Rule 1200 Health Risk Assessment

Facility Name:	Aztec Shops, Ltd. San Diego State University
Facility ID:	APCD2025-SITE-04931
Application:	APCD2025-APP-008916
Project Engineer:	Priscilla Castanon
Modeler:	Bill Reeve
Toxics Risk Analyst:	Ben Wong
Date Submitted to Toxics:	12/18/2025
Date Completed by Toxics:	12/19/2025
HRA Tools Used:	Lakes-AERMOD (Version 24142)/HARP (v 22118)

The following estimated risks are valid only for the input data provided by the Project Engineer.

Estimated worker risk does not exceed the residential risk. Therefore, only residential risk is presented in the following results.

Estimated Risk Levels:

Maximum Individual Cancer Risk (Residential)	0.308 in one million
Chronic Noncancer Health Hazard Index (Residential)	= 1.04E-04
8-Hour Noncancer Health Hazard Index (Worker)	= N/A
Acute Health Hazard Index (*PMI)	= 1.10E-01

*Point of Maximum Impact

The proposed application is for a stationary diesel emergency engine powering an emergency generator 50 hours per year for testing and maintenance purposes. The CARB Air Toxics Control Measure (ATCM) limits non-emergency operations to 50 hours per year.

The estimated cancer risk for the application <u>is less than</u> the Rule 1200 limit of 10 in one million (equipped with T-BACT) at <u>50</u> operating hours per year.

Input Data Provided by Project Engineer:

Type of Source: Emergency Diesel IC Engine.
Controls Description: Tier 3 with DPF.

Worst-Case TAC Emissions Increase:

Toxic Air Contaminant	Hourly Emission Rate (lb/hr)	Annual Emission Rate (lb/yr)
DIESEL PARTICULATE*	N/A	4.50E-01
ACETALDEHYDE	1.45E-02	7.24E-01
ACROLEIN**	6.27E-04	3.14E-02
ARSENIC COMPOUNDS	2.96E-05	1.48E-03
BENZENE	3.45E-03	1.72E-01
BUTADIENE, 1,3-	4.01E-03	2.01E-01
CADMIUM AND COMPOUNDS	2.78E-05	1.39E-03
CHLOROBENZENE	3.70E-06	1.85E-04
CHROMIUM (HEXAVALENT)	1.85E-06	9.25E-05
COPPER AND COMPOUNDS	7.59E-05	3.79E-03
ETHYL BENZENE	2.02E-04	1.01E-02
FORMALDEHYDE	3.19E-02	1.60E+00
HEXANE-N	4.98E-04	2.49E-02
HYDROCHLORIC ACID	3.45E-03	1.72E-01
LEAD & COMPOUNDS	1.54E-04	7.68E-03
MANGANESE AND COMPOUNDS	5.74E-05	2.87E-03
MERCURY AND COMPOUNDS	3.70E-05	1.85E-03
NAPHTHALENE	3.64E-04	1.82E-02
NICKEL AND NICKEL COMPOUNDS	7.22E-05	3.61E-03
POLYCYCLIC AROM. HC (PAH) [Treat as B(a)P for HRA]	6.70E-04	3.35E-02
PROPYLENE	8.64E-03	4.32E-01
SELENIUM AND COMPOUNDS	4.07E-05	2.04E-03
TOLUENE	1.95E-03	9.75E-02
AMMONIA (only if SCR)	N/A	N/A
XYLENES	7.84E-04	3.92E-02

Source: Acute TACs – Ventura County, 5/17/01.
*Diesel particulate exhaust is a surrogate for all toxic air contaminant annual emissions from diesel-fueled engines when determining the potential cancer risk and noncancer chronic hazard index. Speciated toxic air contaminant hourly emissions are used when determining the potential noncancer acute hazard index.
**Acrolein generated from combustion was not used to evaluate risk due to issues with its source testing methods accuracy
(See https://ww2.arb.ca.gov/acrolein-test-method-advisory-and-data for more information)

Process Data:

Operation Parameter	Value
Diesel particulate emission factor (g/hp-hr)	0.0105
Engine horsepower (bhp)	389
Fuel Consumption (gal/hr)	18.50
Annual hours of operation	50

Release Parameters:

Stack Height (ft)	8.4
Stack Diameter (ft)	0.67
Temperature deg F	1000
Exhaust Flow Rate (acfm)	1550
Stack Orientation	Vertical (Flapper)

Discussion

The HRA was conducted in accordance with EPA and OEHHA guidance and District standard procedures. A point source was modeled with refined air dispersion modeling using EPA's AERMOD model, AERMET (Version 24142) processed Kearny Villa Road (KVR) 2020/2022 sigma theta meteorology data, AERMAP terrain processing, and urban dispersion coefficients. Building downwash effects were calculated using the EPA BPIP-Prime model. The receptor grid was sufficiently dense to identify maximum impacts.

Since there is no school within a 1 in one million residential cancer risk isopleth, a fraction of time (FAH) was applied to ages less than 16 years.

These risk results are based on the risk scenario calculations and health data at the time of the review, and should not be scaled with revised emissions rates without consulting with the Toxics Section.

HARP2 - HRACalc (dated 22118) 12/19/2025 10:04:02 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors

Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk saved to: C:\Users\bwong\Desktop\8916_Aztec Shops, Ltd. SDSU\Initial Risk\FAHAll_CancerRisk.csv
Calculating chronic risk
Chronic risk saved to: C:\Users\bwong\Desktop\8916_Aztec Shops, Ltd. SDSU\Initial Risk\FAHAll_NCChronicRisk.csv
Calculating acute risk
Acute risk saved to: C:\Users\bwong\Desktop\8916_Aztec Shops, Ltd. SDSU\Initial Risk\FAHAll_NCAcuteRisk.csv
HRA ran successfully

*HARP - HRACalc v22118 12/19/2025 10:04:02 AM -**Cancer Risk** - Input File: C:\Users\bwong\Desktop\8916_Aztec Shops Ltd. SDSU\Initial Risk\FAHAll_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO
1	Engine		9901	DieselExhPM	0.00052	3.08E-07	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
2	Engine		75070	Acetaldehyde	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
3	Engine		107028	Acrolein	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
4	Engine		7440382	Arsenic	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
5	Engine		71432	Benzene	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
6	Engine		106990	1,3-Butadiene	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
7	Engine		7440439	Cadmium	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
8	Engine		108907	Chlorobenzn	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
9	Engine		18540299	Cr(VI)	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
10	Engine		7440508	Copper	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
11	Engine		100414	Ethyl Benzene	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
12	Engine		50000	Formaldehyde	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
13	Engine		110543	Hexane	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
14	Engine		7647010	HCl	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
15	Engine		7439921	Lead	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
16	Engine		7439965	Manganese	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
17	Engine		7439976	Mercury	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
18	Engine		91203	Naphthalene	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
19	Engine		7440020	Nickel	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
20	Engine		1151	PAHs-w/o	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
21	Engine		115071	Propylene	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
22	Engine		7782492	Selenium	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
23	Engine		108883	Toluene	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
24	Engine		7664417	NH3	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
25	Engine		1330207	Xylenes	0	0.00E+00	30YrCancerRMP_InhSoilDermMMilk_FAH3to70
						3.08E-07	

*HARP - HRACalc v22118 12/19/2025 10:04:02 AM - **Chronic Risk** - Input File: C:\Users\bwong\Desktop\8916_Aztec Shops Ltd. SDSU\Initial Risk\FAHAll_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	RESP
1	Engine		9901	DieselExhPM	0.00052	NonCancerChronicDerived_InhSoilDermMMilk	1.04E-04
2	Engine		75070	Acetaldehyde	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
3	Engine		107028	Acrolein	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
4	Engine		7440382	Arsenic	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
5	Engine		71432	Benzene	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
6	Engine		106990	1,3-Butadiene	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
7	Engine		7440439	Cadmium	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
8	Engine		108907	Chlorobenzn	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
9	Engine		18540299	Cr(VI)	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
10	Engine		7440508	Copper	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
11	Engine		100414	Ethyl Benzene	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
12	Engine		50000	Formaldehyde	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
13	Engine		110543	Hexane	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
14	Engine		7647010	HCl	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
15	Engine		7439921	Lead	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
16	Engine		7439965	Manganese	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
17	Engine		7439976	Mercury	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
18	Engine		91203	Naphthalene	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
19	Engine		7440020	Nickel	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
20	Engine		1151	PAHs-w/o	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
21	Engine		115071	Propylene	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
22	Engine		7782492	Selenium	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
23	Engine		108883	Toluene	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
24	Engine		7664417	NH3	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
25	Engine		1330207	Xylenes	0	NonCancerChronicDerived_InhSoilDermMMilk	0.00E+00
							1.04E-04

*HARP - HRACalc v22118 12/19/2025 10:04:02 AM - **Acute Risk** - Input File: C:\Users\bwong\Desktop\8916_Aztec Shops

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	EYE
1	Engine		9901	DieselExhPM	0	NonCancerAcute	0.00E+00
2	Engine		75070	Acetaldehyde	2.61	NonCancerAcute	5.55E-03
3	Engine		107028	Acrolein	0	NonCancerAcute	0.00E+00
4	Engine		7440382	Arsenic	0.00532	NonCancerAcute	0.00E+00
5	Engine		71432	Benzene	0.62	NonCancerAcute	0.00E+00
6	Engine		106990	1,3-Butadiene	0.722	NonCancerAcute	0.00E+00
7	Engine		7440439	Cadmium	0.00499	NonCancerAcute	0.00E+00
8	Engine		108907	Chlorobenzn	0.000666	NonCancerAcute	0.00E+00
9	Engine		18540299	Cr(VI)	0.000333	NonCancerAcute	0.00E+00
10	Engine		7440508	Copper	0.0136	NonCancerAcute	0.00E+00
11	Engine		100414	Ethyl Benzene	0.0363	NonCancerAcute	0.00E+00
12	Engine		50000	Formaldehyde	5.74	NonCancerAcute	1.04E-01
13	Engine		110543	Hexane	0.0895	NonCancerAcute	0.00E+00
14	Engine		7647010	HCl	0.62	NonCancerAcute	2.95E-04
15	Engine		7439921	Lead	0.0276	NonCancerAcute	0.00E+00
16	Engine		7439965	Manganese	0.0103	NonCancerAcute	0.00E+00
17	Engine		7439976	Mercury	0.00666	NonCancerAcute	0.00E+00
18	Engine		91203	Naphthalene	0.0656	NonCancerAcute	0.00E+00
19	Engine		7440020	Nickel	0.013	NonCancerAcute	0.00E+00
20	Engine		1151	PAHs-w/o	0.12	NonCancerAcute	0.00E+00
21	Engine		115071	Propylene	1.55	NonCancerAcute	0.00E+00
22	Engine		7782492	Selenium	0.00732	NonCancerAcute	0.00E+00
23	Engine		108883	Toluene	0.351	NonCancerAcute	7.02E-05
24	Engine		7664417	NH3	0	NonCancerAcute	0.00E+00
25	Engine		1330207	Xylenes	0.141	NonCancerAcute	6.41E-06
							1.10E-01

FACILITY NAME: Aztec Shops ltd. SDSU

Fuel Consumption (gal/hr):	18.50
Diesel Particulate Emission Factor (g/hp-hr):	0.0105
Brake Horsepower (hp):	389
Annual Hours of Operation (hrs):	50
FACILITY ID:	APCD2025-SITE-04931
APPLICATION NO.:	APCD2025-APP-008916
ENGINEER:	**Priscilla Castanon**

RISK ANALYST ONLY

DISPERSION MODELING DATA

Annual Receptor Type:	Resident
ANNUAL DISPERSION FACTOR (µg/m3)/(g/s):	**80.4**
Distance (m):	
Hourly Receptor Type:	PMI
HOURLY DISPERSION FACTOR (µg/m3)/(g/s):	**1427.7**
Distance (m):	

CHEMICAL NAME	Emission Factor lb/1000 gal	Acute Emission Rate lb/hr	Annual Emission Rate lb/yr	Acute Emissions Rate g/s	Annual Emission Rate g/s	Hourly GLC µg/m³	Annual GLC µg/m³
DIESEL PARTICULATE			4.50E-01		6.47E-06		5.20E-04
ACETALDEHYDE	7.83E-01	1.45E-02	7.24E-01	1.83E-03		2.61E+00	
ACROLEIN*	3.39E-02	6.27E-04	3.14E-02	7.90E-05			
ARSENIC COMPOUNDS	1.60E-03	2.96E-05	1.48E-03	3.73E-06		5.32E-03	
BENZENE	1.86E-01	3.45E-03	1.72E-01	4.34E-04		6.20E-01	
BUTADIENE, 1,3-	2.17E-01	4.01E-03	2.01E-01	5.06E-04		0.722149	
CADMIUM AND COMPOUNDS	1.50E-03	2.78E-05	1.39E-03	3.50E-06		4.99E-03	
CHLOROBENZENE	2.00E-04	3.70E-06	1.85E-04	4.66E-07		6.66E-04	
CHROMIUM (HEXAVALENT)	1.00E-04	1.85E-06	9.25E-05	2.33E-07		3.33E-04	
COPPER AND COMPOUNDS	4.10E-03	7.59E-05	3.79E-03	9.56E-06		1.36E-02	
ETHYL BENZENE	1.09E-02	2.02E-04	1.01E-02	2.54E-05		3.63E-02	
FORMALDEHYDE	1.73E+00	3.19E-02	1.60E+00	4.02E-03		5.74E+00	
HEXANE-N	2.69E-02	4.98E-04	2.49E-02	6.27E-05		8.95E-02	
HYDROCHLORIC ACID	1.86E-01	3.45E-03	1.72E-01	4.34E-04		6.20E-01	
LEAD & COMPOUNDS	8.30E-03	1.54E-04	7.68E-03	1.93E-05		2.76E-02	
MANGANESE AND COMPOUNDS	3.10E-03	5.74E-05	2.87E-03	7.23E-06		1.03E-02	
MERCURY AND COMPOUNDS (INORGANIC)	2.00E-03	3.70E-05	1.85E-03	4.66E-06		6.66E-03	
NAPHTHALENE	1.97E-02	3.64E-04	1.82E-02	4.59E-05		6.56E-02	
NICKEL AND NICKEL COMPOUNDS	3.90E-03	7.22E-05	3.61E-03	9.09E-06		1.30E-02	
POLYCYCLIC AROM. HC (PAH) [Treat as B(a)P for I	3.62E-02	6.70E-04	3.35E-02	8.44E-05		1.20E-01	
PROPYLENE	4.67E-01	8.64E-03	4.32E-01	1.09E-03		1.55E+00	
SELENIUM AND COMPOUNDS	2.20E-03	4.07E-05	2.04E-03	5.13E-06		7.32E-03	
TOLUENE	1.05E-01	1.95E-03	9.75E-02	2.46E-04		3.51E-01	
AMMONIA (only if SCR)							
XYLENES	4.24E-02	7.84E-04	3.92E-02	9.88E-05		1.41E-01	

PROJECT TITLE:

D:\Modeling Projects\8916_Aztec\8916_Aztec.isc

COMMENTS:	SOURCES: **1**	COMPANY NAME:	
	RECEPTORS: **19937**	MODELER:	
	OUTPUT TYPE: **Concentration**	SCALE: 1:1,573 (0 — 0.05 km)	
	MAX: **92.0 ug/m^3**	DATE: **12/19/2025**	PROJECT NO.:

PROJECT TITLE:

D:\Modeling Projects\8916_Aztec\8916_Aztec.isc

COMMENTS:	SOURCES: **1**	COMPANY NAME:	
	RECEPTORS: **19937**	MODELER:	
	OUTPUT TYPE: **Concentration**	SCALE: 1:1,594 0 0.05 km	
	MAX: **1428 ug/m^3**	DATE: **12/19/2025**	PROJECT NO.:

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.10000E+01	492973.1	3625818.5	141.9	2.56	810.93	22.33	0.20	YES	YES	NO	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options
* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 1 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 1141000.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions

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     * NOTURBST - Meteorological data Ignore turbulence - stable hours
     * Model Assumes No FLAGPOLE Receptor Heights.
     * The User Specified a Pollutant Type of: OTHER

**Model Calculates  1 Short Term Average(s) of:   1-HR
    and Calculates PERIOD Averages

**This Run Includes:      1 Source(s);       1 Source Group(s); and   19937 Receptor(s)

               with:      1 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:      0 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                and:      0 SWPOINT source(s)


**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date:  24142

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   134.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      5.7 MB of RAM.
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 **Input Runstream File:          aermod.inp
 **Output Print File:             aermod.out

 **Detailed Error/Message File:   8916_Aztec.err
 **File for Summary of Results:   8916_Aztec.sum
 *** AERMOD - VERSION 24142  ***   *** D:\Modeling Projects\8916_Aztec\8916_Aztec.isc                    ***        12/18/25
 *** AERMET - VERSION  24142 ***   ***                                                                  ***        16:49:21
                                                                                                                   PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                        *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                          (1=YES; 0=NO)

          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

              NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                   *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                         (METERS/SEC)

                                              1.54,   3.09,   5.14,   8.23,  10.80,
 *** AERMOD - VERSION 24142  ***   *** D:\Modeling Projects\8916_Aztec\8916_Aztec.isc                    ***        12/18/25
 *** AERMET - VERSION  24142 ***   ***                                                                  ***        16:49:21
                                                                                                                   PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

                                     *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

   Surface file:   C:\Users\breeve\OneDrive - County of San Diego\Meteorology Documents\AERMET File   Met Version:  24142
```

Profile file: C:\Users\breeve\OneDrive - County of San Diego\Meteorology Documents\AERMET File
Surface format: FREE
Profile format: FREE
Surface station no.: 93107 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2020 Year: 2020

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
20	01	01	1	01	-10.8	0.101	-9.000	-9.000	-999.	77.	8.6	0.04	1.12	1.00	2.82	57.	10.0	283.1	10.0
20	01	01	1	02	-6.6	0.081	-9.000	-9.000	-999.	56.	7.2	0.06	1.12	1.00	2.06	73.	10.0	282.6	10.0
20	01	01	1	03	-7.6	0.085	-9.000	-9.000	-999.	60.	7.2	0.04	1.12	1.00	2.37	54.	10.0	283.5	10.0
20	01	01	1	04	-6.0	0.075	-9.000	-9.000	-999.	50.	6.4	0.04	1.12	1.00	2.10	59.	10.0	283.0	10.0
20	01	01	1	05	-9.1	0.095	-9.000	-9.000	-999.	70.	8.5	0.06	1.12	1.00	2.41	63.	10.0	282.4	10.0
20	01	01	1	06	-6.1	0.078	-9.000	-9.000	-999.	52.	6.9	0.06	1.12	1.00	1.97	64.	10.0	282.6	10.0
20	01	01	1	07	-5.8	0.076	-9.000	-9.000	-999.	50.	6.7	0.06	1.12	1.00	1.92	70.	10.0	282.5	10.0
20	01	01	1	08	-1.9	0.049	-9.000	-9.000	-999.	26.	5.6	0.10	1.12	0.50	1.12	129.	10.0	282.4	10.0
20	01	01	1	09	35.0	0.125	0.383	0.005	58.	106.	-5.0	0.09	1.12	0.30	1.03	112.	10.0	286.4	10.0
20	01	01	1	10	86.9	0.261	0.897	0.005	297.	321.	-18.4	0.10	1.12	0.23	2.46	148.	10.0	289.0	10.0
20	01	01	1	11	122.3	0.218	1.240	0.005	558.	246.	-7.6	0.07	1.12	0.21	2.01	225.	10.0	290.5	10.0
20	01	01	1	12	139.1	0.279	1.433	0.005	756.	353.	-13.9	0.07	1.12	0.20	2.77	211.	10.0	291.3	10.0
20	01	01	1	13	136.5	0.296	1.559	0.005	991.	386.	-16.9	0.07	1.12	0.20	3.00	210.	10.0	291.2	10.0
20	01	01	1	14	114.7	0.311	1.526	0.005	1105.	417.	-23.4	0.07	1.12	0.21	3.26	234.	10.0	290.8	10.0
20	01	01	1	15	75.0	0.316	1.351	0.005	1173.	425.	-37.3	0.07	1.12	0.24	3.44	227.	10.0	290.3	10.0
20	01	01	1	16	20.5	0.251	0.881	0.005	1189.	304.	-68.8	0.05	1.12	0.33	3.08	244.	10.0	289.4	10.0
20	01	01	1	17	-5.7	0.078	-9.000	-9.000	-999.	92.	7.5	0.07	1.12	0.61	1.92	236.	10.0	288.2	10.0
20	01	01	1	18	-7.6	0.092	-9.000	-9.000	-999.	67.	9.1	0.15	1.12	1.00	1.92	193.	10.0	287.3	10.0
20	01	01	1	19	-5.9	0.080	-9.000	-9.000	-999.	54.	7.7	0.10	1.12	1.00	1.83	140.	10.0	286.6	10.0
20	01	01	1	20	-2.6	0.053	-9.000	-9.000	-999.	29.	5.1	0.10	1.12	1.00	1.21	144.	10.0	286.2	10.0
20	01	01	1	21	-2.5	0.051	-9.000	-9.000	-999.	28.	4.7	0.09	1.12	1.00	1.21	99.	10.0	285.3	10.0
20	01	01	1	22	-4.1	0.065	-9.000	-9.000	-999.	40.	5.9	0.06	1.12	1.00	1.65	76.	10.0	284.8	10.0
20	01	01	1	23	-1.7	0.042	-9.000	-9.000	-999.	20.	3.8	0.09	1.12	1.00	0.98	99.	10.0	284.5	10.0
20	01	01	1	24	-3.6	0.060	-9.000	-9.000	-999.	35.	5.3	0.06	1.12	1.00	1.52	78.	10.0	283.8	10.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
20	01	01	01	10.0	1	57.	2.82	283.2	99.0	-99.00	-99.00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (26304 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	92.00796	AT (493051.59, 3625833.12, 142.05, 142.05, 0.00)	DC	
	2ND HIGHEST VALUE IS	91.54978	AT (493051.55, 3625837.68, 141.96, 141.96, 0.00)	DC	
	3RD HIGHEST VALUE IS	90.03376	AT (493053.00, 3625839.00, 141.98, 141.98, 0.00)	DC	
	4TH HIGHEST VALUE IS	89.34055	AT (493051.63, 3625828.56, 142.14, 142.14, 0.00)	DC	
	5TH HIGHEST VALUE IS	89.02087	AT (493053.00, 3625829.00, 142.15, 142.15, 0.00)	DC	
	6TH HIGHEST VALUE IS	88.12624	AT (493051.52, 3625842.24, 141.88, 141.88, 0.00)	DC	
	7TH HIGHEST VALUE IS	83.73414	AT (493051.67, 3625823.99, 142.17, 142.17, 0.00)	DC	
	8TH HIGHEST VALUE IS	82.39796	AT (493051.48, 3625846.80, 141.80, 141.80, 0.00)	DC	
	9TH HIGHEST VALUE IS	80.34814	AT (493063.00, 3625839.00, 142.17, 142.17, 0.00)	DC	
	10TH HIGHEST VALUE IS	79.76141	AT (493063.00, 3625829.00, 141.80, 141.80, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

```
                                   ** CONC OF OTHER    IN MICROGRAMS/M**3                          **

                                                      DATE                                                         NETWORK
GROUP ID                        AVERAGE CONC     (YYMMDDHH)            RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS    1427.65606  ON 20022806: AT (  492973.00,  3625799.00,   141.82,   141.82,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION 24142  ***   *** D:\Modeling Projects\8916_Aztec\8916_Aztec.isc                    ***        12/18/25
 *** AERMET - VERSION  24142 ***   ***                                                                   ***        16:49:21
                                                                                                                    PAGE   6
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  SigA Data

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of           0 Fatal Error Message(s)
 A Total of           9 Warning Message(s)
 A Total of       15629 Informational Message(s)

 A Total of       26304 Hours Were Processed

 A Total of         654 Calm Hours Identified

 A Total of         761 Missing Hours Identified (  2.89 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
```

```
MX W403     102       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data
MX W403       1       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data
MX W403       2       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data
MX W403       3       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data
MX W403       4       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data
MX W403       5       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data
MX W403       6       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data
MX W403       7       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data
MX W403       8       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data
```

Facility Name:	Aztec Shops ltd. SDSU
Application Number:	APCD2025-APP-008916
Site ID Number:	APCD2025-SITE-04931
Equipment Address:	5555 Montezuma Rd.
	San Diego, CA 92115
Contact Name:	Kathleen Beresh
Contact Title:	Energy Systems Consultant
Contact Affiliation:	Aztec Shops ltd. SDSU
Contact Number:	800-845-8519
Contact E-Mail:	kberesh@energysystems.com
Project Engineer:	Priscilla Castanon

Item
General Application
Emergency Engine Supplen
Toxics Form
with required locations
Engine Manufacturer Specs
Engine Emissions Data
Engine CARB/EPA Certifica
Control Equipment Specs (i
BACT Analysis (if applicable

Make:	Iveco/FPT		
Model:	F2CE9685A*E		
S/N:	TBD		
Fuel Type:	diesel		
BHP Rating:	389		
Model Year:	2025		
Tier Level:	3		
Engine Family Number:	SFPXL08.7TR3		
Device Driven:	250 kW generator		
	JM-SDPF-2-N-CS-EITO-8/8-LP		
NOx, g/BHP-hr:	4.54		g/kW-hr
CO, g/BHP-hr:	0.03		g/kW-hr
NMHC, g/BHP-hr:	0.07		g/kW-hr
PM10, g/BHP-hr:	0.01		g/kW-hr
NH3 Slip from SCR (yes/no)	no	0	ppm (default 10 ppm if applicable)

	Reductions	g/bhp-hr	Reduced emissions
NOx	None	4.541	NA
CO	80%	0.132	0.0264
NMHC	70%	0.239	0.0717
PM10	85%	0.07	0.0105

*PM10 emission from EPA family

Fuel Usage, gal/hr:	18.5	
Operating Schedule, hrs/day:	24	
Operating Schedule, hrs/yr:	50	
Exhaust Flow Rate, cfm:	1550	
Exhaust Temperature, °F:	1000	
Stack Height above ground, ft:	8.4	
Stack Diameter, ft:	0.67	8in.

Nearest School, ft:	474		
Residential Receptor, m:	25.00	40	ft
Occupational Receptor, m:	239.57	786	ft
Acute Receptor, m:	25.00	40	ft

If less than 1000 ft from source of emissions to school property line and increase in toxic emissions, AB3205 notice may be required.

Notice Needed?	Need Notice
Consult Toxics?	Consult Toxics

Vertical Exhaust? (yes/no):	yes
Flapper Valve? (flapper/raincap):	Flapper
Plot Plan? (yes/no):	yes
Flow Obstructions*:	no

*Also Indicate yes if there is a flow obstruction similar to a capped stack

Exhaust Stack Additional Notes:

Verified with site that the DPF will be mounted on top of the top of the enclosure. -
The exiting exhaust height is 8.4 feet with a flapper type raincap with an 8 inch diameter.

San Diego Air Pollution Control District
Supplemental Application Information
Rule 1200 Toxics Evaluation

(ALL REQUESTED INFORMATION IS IMPORTANT - PLEASE FILL BLUE CELLS)

Facility Name: Aztec Shops ltd. SDSU
Equipment Location: 5555 Montezuma Rd. San Diego, CA 92115

Project Description: Emergency Diesel Engine
Control Equipment: None
Operating Schedule: Hours per Day: 1 Weeks per Year: 50
Days per Week: 1 Days per Year: 50

RELEASE POINT DATA

How are the emissions from this project released into the outdoor air? (Check all that apply)

Point Source	Non-Point Source		
☑ Exhaust Stack	☐ Passive Ventilation	☐ Released through windows and/or roll-up doors	☐ Fugitive Emissions

Point Source

Parameter	Point Source #1	Point Source #2	Point Source #3
Height of release above ground (ft)	8.4		
Stack Diameter (or length x width) (ft)	0.67		
Exhaust Gas Temperature (°F)[1]	1000		
Exhaust Gas Flow (ACFM)	1550		
Direction of Flow[2]	vertical		
Flow Obstruction[3]	no		
Distance to Nearest Property Line (+/- 10ft)	40.00		

[1] Use "70 °F" or "Ambient" if unknown
[2] if "other" describe:
[3] if "other" describe:

AERIAL MAP AND FACILITY PLOT PLAN must be attached and labeled with **Release Point(s) and Building(s)**
(includes facility and neighboring buildings within 5x the release height of a point source(s)).

Parameter	Building A	Building B	Building C
Point Source(s)			
Point Source Location			
Building Length (ft) (optional)			
Building Width (ft) (optional)			
Building Height above ground (ft)	41' 8"		

San Diego APCD Use Only

Additional Rule 1200 Submittal Information

Submittal Date:		Site ID:	APCD2025-SITE-04931
Project Engineer:	Priscilla Castanon	Appl. Number(s):	APCD2025-APP-008916
Fees Collected:		PTO No. (if existing):	

Engine Location Map

5555 Montezuma Rd., San Diego, CA 92115

SDSU University Towers East
5555 Montezuma Rd
San Diego, CA 92115

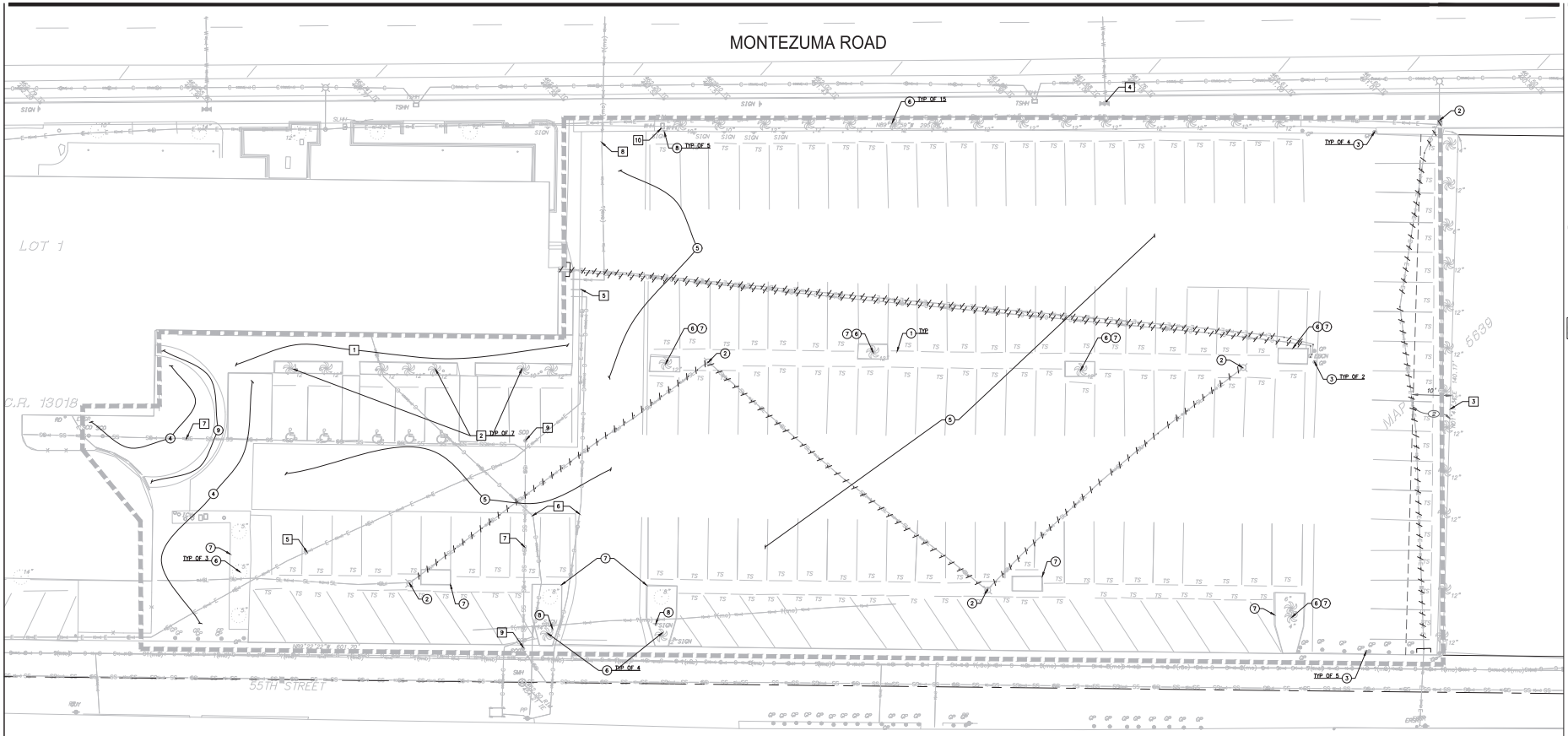
Emission Release Parameters - Building Dimensions

Building #	Building Name	Height (ft)	Width (ft)	Length (ft)
B1	SDSU University Towers student housing	135	42	135
B2	SDSU University Towers student housing	15	82	107
B3	Atzec Corner Apartments	45	41	166
B4	Atzec Corner Apartments	45	38	98
B5	Atzec Corner Apartments	45	82	43
B6	Atzec Corner Apartments	45	52	97
B7	Atzec Corner Apartments	45	52	68
B8	College Campanile Apartments	30	64	113
B9	Residence	15	51	62
B10	Residential Garage	15	25	25
B11	Residence	15	47	68
B12	Residential Garage	15	28	28
B13	Residence	15	53	61
B14	Residential Garage	15	26	26
B15	Residence	15	53	62
B16	Residential Garage	15	26	26
B17	Residence	15	47	64
B18	Residence	15	53	65
B19	Residence	15	53	92
B20	Residential Garage	15	25	39
B21	Residence	15	45	48
B22	Residence	15	53	92
B23	Residence	15	55	92
B24	Residence	15	41	89
B25	Residence	15	52	88
B26	Residence	15	45	54
B27	Residence	15	53	68
B28	Residence	15	52	77
B29	Residence	15	46	64
B30	Residence	15	53	93
B31	Residence	15	52	53
B32	Residence	15	55	62

Refer to Engine Location Map for building locations.

Nearest Receptors Map

5555 Montezuma Rd., San Diego, CA 92115



GENERAL DEMOLITION NOTES:

1. CONTRACTOR TO CLEAR PROJECT SITE AREA WITHIN THE CONFINES OF THE DEMOLITION LIMIT LINE. THE CONTRACTOR SHALL DEMOLISH AND REMOVE FROM THE SITE ALL EXISTING UTILITIES, STRUCTURES, PLANTERS, TREES, AND ALL OTHER SITE FEATURES, UNLESS OTHERWISE NOTED ON THE PLAN.
2. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIALS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS AND SHALL PAY ALL FEES NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION AND DISPOSAL OF SAID MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK.
5. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING ABOVE AND UNDERGROUND UTILITIES. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE SHOWN FOR GENERAL INFORMATION ONLY.
6. DAMAGE TO ANY EXISTING UTILITIES AND SERVICES TO REMAIN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.
7. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PREVENT DEBRIS AND UNSUITABLE MATERIALS FROM ENTERING STORM DRAINS, SANITARY SEWERS AND STREETS.
8. DUST CONTROL SHALL BE IMPLEMENTED DURING DEMOLITION.
9. DEMOLITION IS LIMITED TO WITHIN DEMOLITION LIMIT LINE UNLESS NOTED OTHERWISE.
10. THE CONTRACTOR SHALL VERIFY THE LOCATION AND QUANTITY OF EXISTING SURFACE STRUCTURES AND SHALL BE SOLELY RESPONSIBLE FOR ANY UNIDENTIFIED UTILITIES, IMPROVEMENTS, TREES, ETC. TO BE DEMOLISHED AND REMOVED WITHIN THE DEMOLITION LIMIT LINE, INCLUDING APPURTENANT FOUNDATIONS OR SUPPORTS.
11. DEMOLITION CALLOUTS IN THIS SECTION ARE REPRESENTATIVE OF WHAT IS TO BE DONE, NOT AN ITEMIZED ACCOUNTING FOR EACH PIPE, CATCH BASIN, MANHOLE, VAULT, ETC. THAT IS TO BE DEMOLISHED, REMOVED AND DISPOSED OF.

DEMOLITION NOTES:

PROTECT-IN-PLACE

1. CONCRETE PAVING
2. TREES
3. FENCE
4. FIRE HYDRANT
5. ELECTRICAL LINE
6. TELECOMMUNICATION LINE
7. SEWER LINE
8. WATER LINE
9. SEWER CLEANOUT
10. IRRIGATION WATER METER

DEMOLISH & REMOVE

1. CONCRETE PARKING STOPS
2. LIGHT POLE
3. BOLLARDS
4. CONCRETE PAVING
5. ASPHALT PAVING
6. TREES
7. MEDIAN
8. SIGNS
9. DOMES

LEGEND:

- LIMIT LINE OF DEMOLITION
- PROPERTY LINE
- DEMOLITION LINE
- UTILITY CAP

N

0 5' 10'

SCALE: 1"=10'

DSA APPLICATION # : TBD
OPS APPLICATION # : 24-8-4125-CP-CR

San Diego State University

UNIVERSITY TOWERS EAST
MONTEZUMA RD. SAN DIEGO CA 92115

SWINERTON

16798 W. Bernardo Dr.
San Diego, CA 92127
United States
Tel: 619.987.3912

kpff

700 South Flower Street
Suite 2100
Los Angeles, CA 90017
O: 213.418.0201
www.kpff.com

Date	Description
03/26/2025	50% PRELIMINARY DESIGN
04/29/2025	100% PRELIMINARY DESIGN

Seal / Signature

NOT FOR CONSTRUCTION

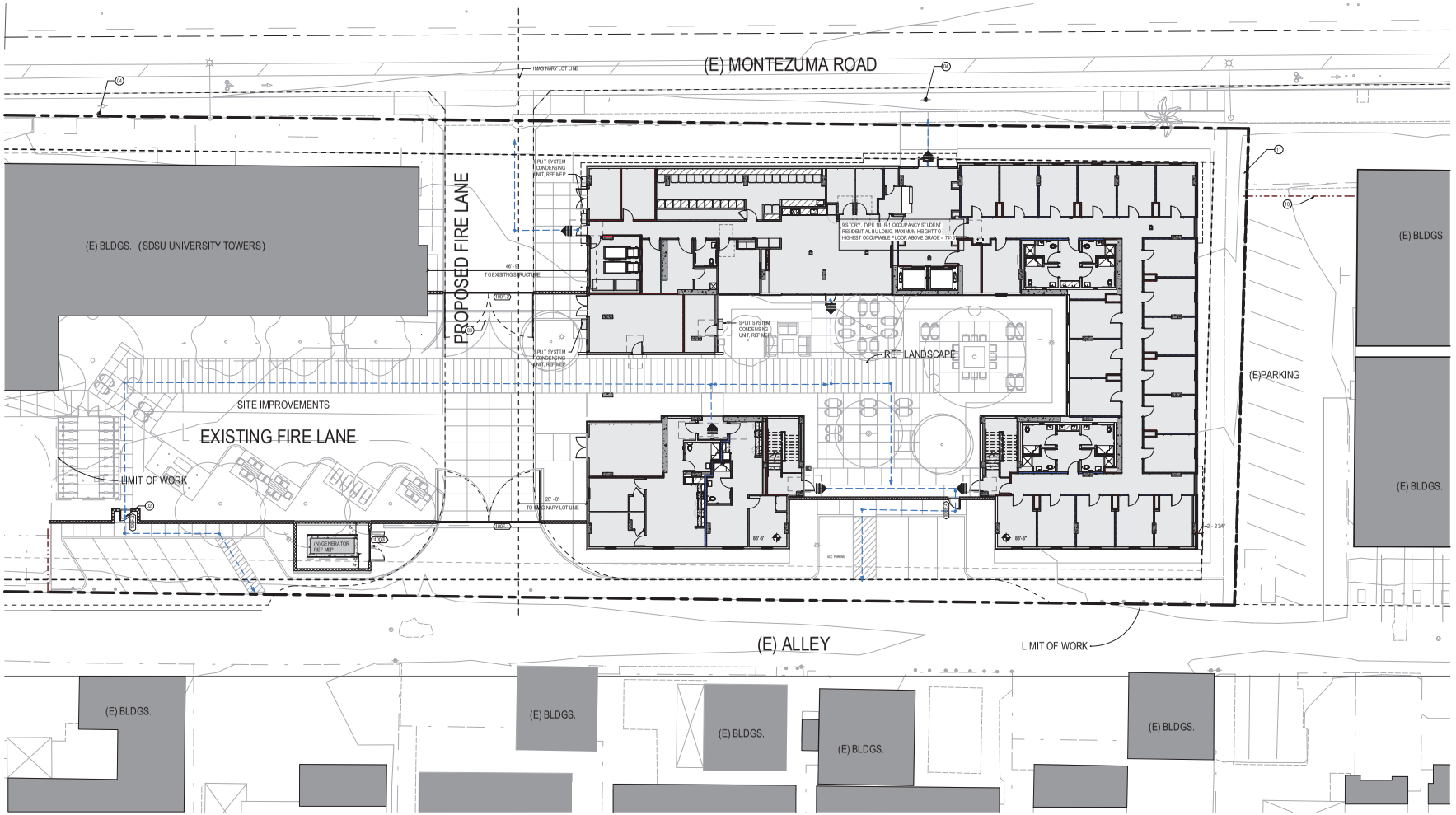
Project Name
SDSU_Evolve Student Housing - Project 1B - UT East

Project Number
55.0072.001

Description
DEMOLITION PLAN

Scale

C3.00



01 SITE PLAN - ARCHITECTURAL
SCALE: 3/32" = 1'-0"

SHEET NOTES

01 ROLLING 3-PANEL GATE, FIRE ACCESS
02 ACCESSIBLE PEDESTRIAN GATE COMPLYING WITH 11B-404
03 VEHICULAR SWING GATE
04 PUBLIC FIRE HYDRANT,REF CIVIL
05 PASS THROUGH ATL1
10 (E)STING FENCE
11 PROPERTY LINE
12 SPLIT SYSTEM CONDENSING UNIT,REF MEP.
13 REFLANDSCAPE
14 ONE HOUR RATED EXTERIOR WALL, SEE SHEET G2.011 FOR EXTERIOR OPENING DIAGRAM

GENERAL NOTES

LEGEND

EXISTING BUILDING
ACCESSIBLE PATH
LIMIT OF WORK
FENCE LINE
FIRE HYDRANT
TRANSFORMER
EGRESS AT GRADE PATH
KNOX BOX
SETBACK

DSA APPLICATION #: TBD
OPS APPLICATION #: 24-S-4125-CP-DR

San Diego State University
UNIVERSITY TOWERS EAST
MONTEZUMA RD. SAN DIEGO CA 92115

SWINERTON
16798 W. Bernardo Dr.
San Diego, CA 92127
United States
Tel 619.987.3912

Gensler
225 Broadway
Suite 100
San Diego, CA 92101
United States
Tel 619.557.2500
Fax 619.557.2520

Date	Description
04/29/2025	100% PRELIMINARY DESIGN

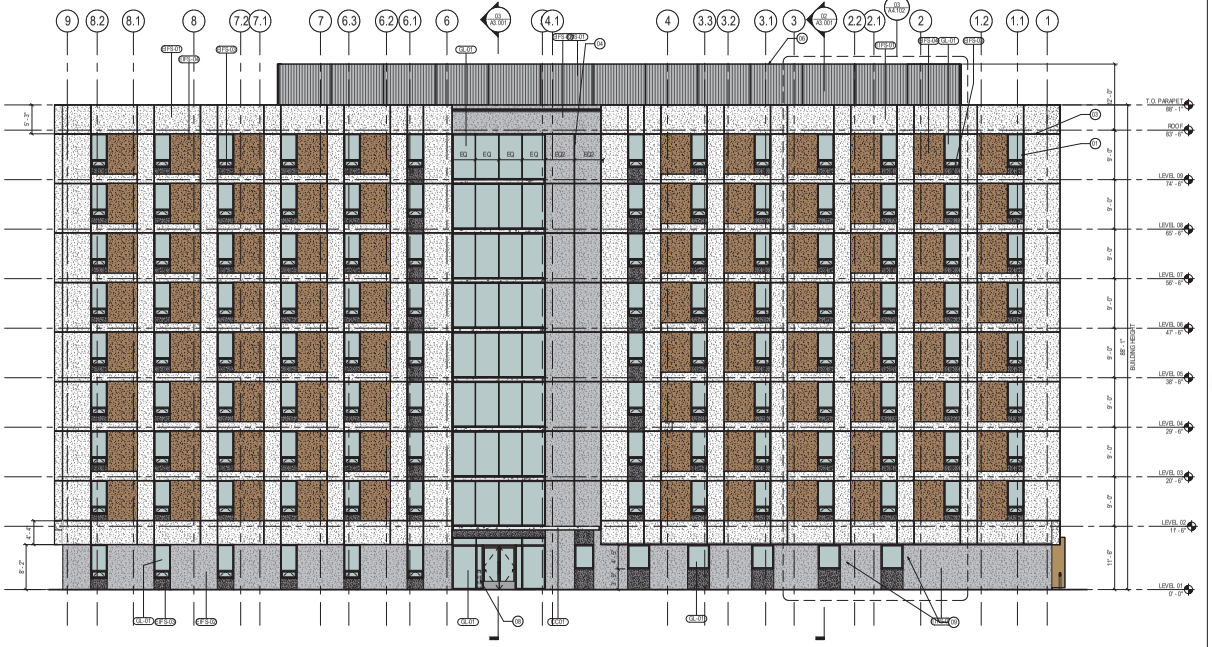
Seal / Signature

NOT FOR CONSTRUCTION

Project Name
SDSU_Evolve Student Housing - Project 1B - UT East
Project Number
55.0072.001
Description
SITE PLAN

Scale
As indicated

A0.001



02 BUILDING ELEVATION-NORTH
SCALE 1/8" = 1'-0"

03 BUILDING ELEVATION-WEST
SCALE 1/8" = 1'-0"

01 BUILDING ELEVATION-EAST
SCALE 1/8" = 1'-0"

SHEET NOTES

01 WINDOW UNIT ASSEMBLY WITH OPERABLE AWNING WINDOW WITH SECURITY SCREEN, 4" LIMITER
02 OPERABLE SLIDING WINDOW
03 DEFLECTION JOINT AT BOTTOM OF SLAB, TYP.
04 1" SQ. METAL REVEAL, PAINTED, TYP.
05 STRUCTURAL CONCRETE SLAB PROJECTS 4'
06 MECHANICAL SCREEN BY HSS STEEL FRAME ANCHORED TO CONCRETE ROOF SLAB, POST SPACED AT @ 10'-0" SPACE, PREFINISHED CORRUGATED METAL PANELS
07 DASHED FOR CLARITY, SEE PLANS
08 SITE PEDESTAL FOR ADD AND CARD READER
09 METAL LOUVERS FOR VENTILATION
10 REFERENCE THE COURTYARD SOUTH ELEVATION ON THIS PAGE

GENERAL NOTES

1. EIFS FACADE ON LT TO BE HIGH-IMPACT EIFS, TYPICAL

LEGEND

- EIFS-01 - WATER-DRAINAGE EIFS SYSTEM — FINISH: SANDPEBBLE FINE, COLOR: 1013T SUPER WHITE 4" CONT. INSULATION THICKNESS
- EIFS-02 - WATER-DRAINAGE EIFS SYSTEM — FINISH SANDPEBBLE FINE, COLOR: 616T KINGS GRAY 2" CONT. INSULATION THICKNESS
- EIFS-03 - WATER-DRAINAGE EIFS SYSTEM — FINISH: WEATHERLASTIC ADOBE, COLOR: 152ST ANTHRACITE COAL 2" CONT. INSULATION THICKNESS
- EIFS-04 - WATER-DRAINAGE EIFS SYSTEM — FINISH: WEATHERLASTIC ADOBE, COLOR: SPICE TAN, 2" CONT. INSULATION THICKNESS
- GL-01 - INSULATED GLAZING UNIT
- MS-01 - MECHANICAL SCREEN — METAL SALES T 1.5/8 WALL PANEL, VERTICAL SPAN 22 GA., GALVALUME, EXPOSED FASTENER, PREFINISHED
- CO-01 - EXPOSED STRUCTURAL CONCRETE

DSA APPLICATION #: TBD
OFS APPLICATION #: 24-S-4125-CP-DR

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Date	Description
04/29/2025	100% PRELIMINARY DESIGN

Seal / Signature

NOT FOR CONSTRUCTION

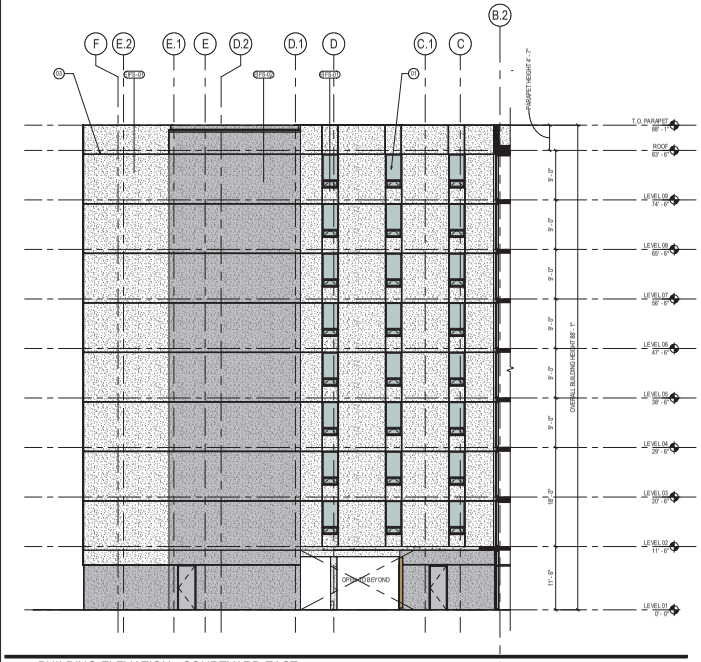
Project Name
SDSU_Evolve Student Housing - Project 1B - UT East

Project Number
55.0072.001

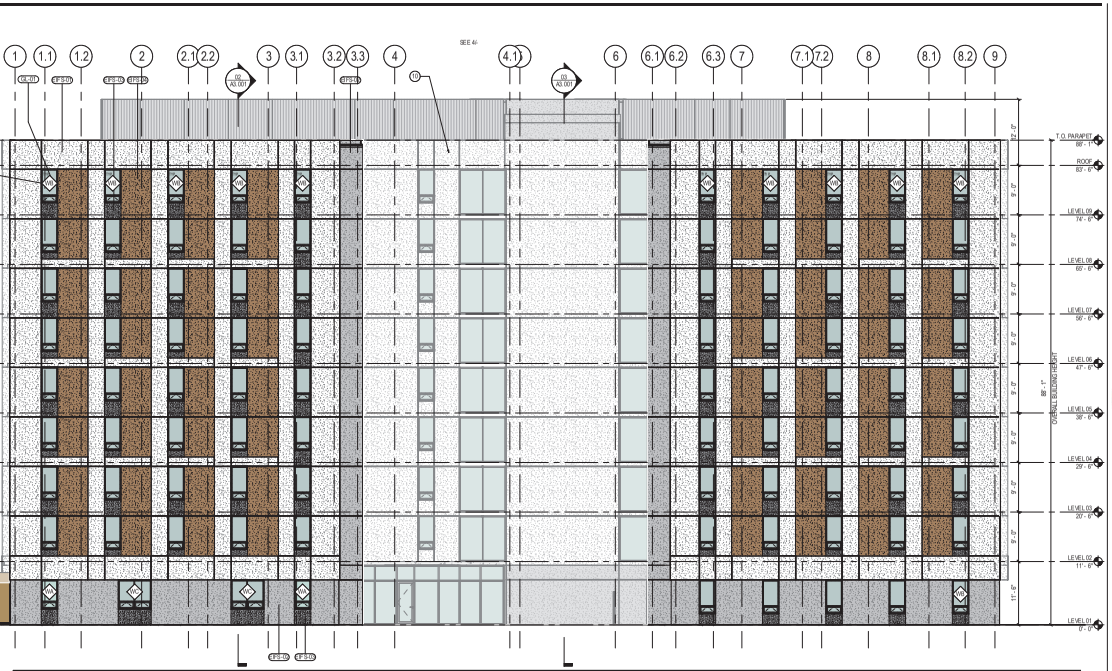
Description
BUILDING ELEVATIONS 01

Scale
As indicated

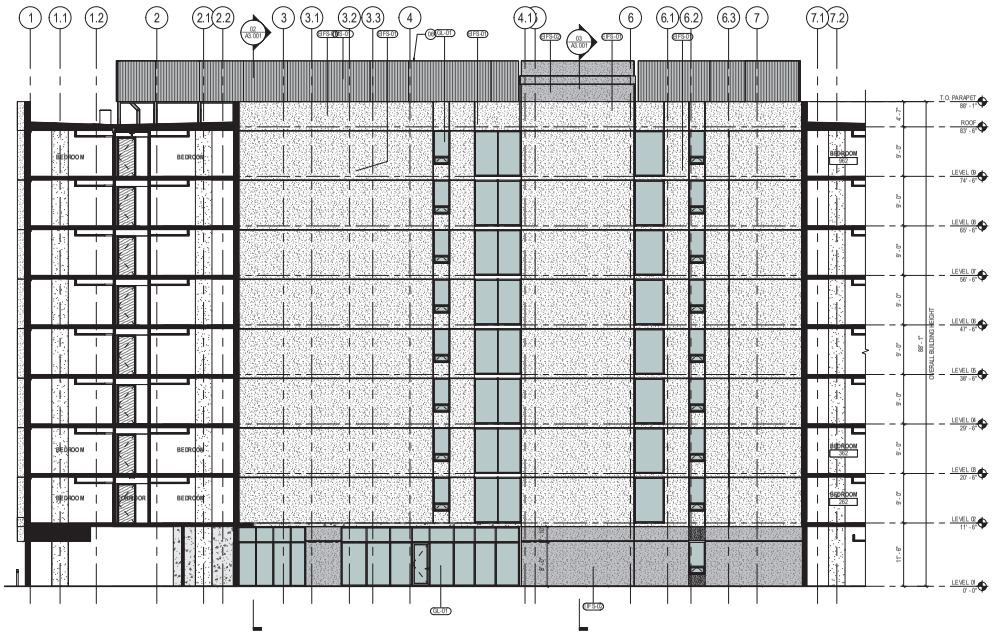
A2.001



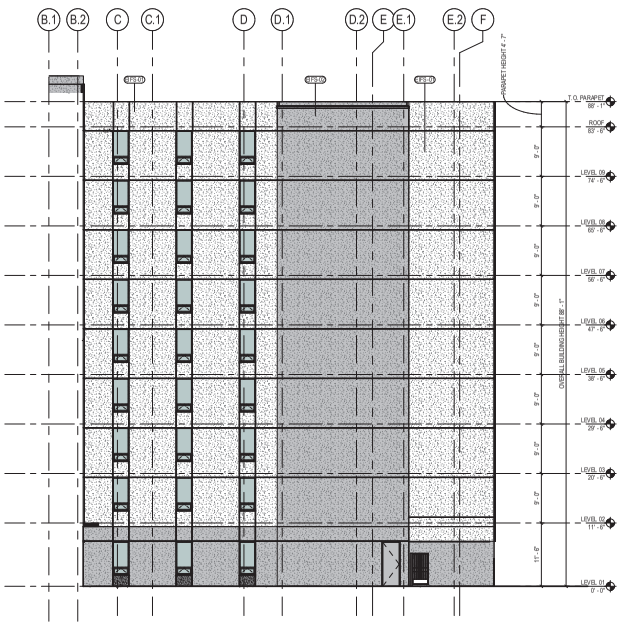
04 BUILDING ELEVATION - COURTYARD EAST
SCALE: 1/8" = 1'-0"



02 BUILDING ELEVATION-SOUTH
SCALE: 1/8" = 1'-0"



03 BUILDING ELEVATION - COURTYARD SOUTH
SCALE: 1/8" = 1'-0"



01 BUILDING ELEVATION - COURTYARD WEST
SCALE: 1/8" = 1'-0"

SHEET NOTES

01 WINDOW UNIT ASSEMBLY WITH OPERABLE AWNING WINDOW WITH SECURITY SCREEN, 4" LIMITER
03 DEFLECTION JOINT AT BOTTOM OF SLAB, TYP.
06 MECHANICAL SCREEN BY HSS STEEL FRAME ANCHORED TO CONCRETE ROOF SLAB/POST SIMILAR TO @ 10'-0" SPACE, PREFINISHED CORRUGATED METAL PANELS
10 REFERENCE THE COURTYARD SOUTH ELEVATION ON THIS PAGE.

GENERAL NOTES

1. EIFS FACADE ON LT TO BE HIGH-IMPACT EIFS, TYPICAL

LEGEND

- EIFS-01 - WATER-DRAINAGE EIFS SYSTEM — FINISH: SANDPEBBLE FINE, COLOR: 101ST SUPER WHITE 4" CONT. INSULATION THICKNESS
- EIFS-02 - WATER-DRAINAGE EIFS SYSTEM — FINISH: SANDPEBBLE FINE, COLOR: 616T KINGS GRAY 2" CONT. INSULATION THICKNESS
- EIFS-03 - WATER-DRAINAGE EIFS SYSTEM — FINISH: WEATHERLASTIC ADOBE, COLOR: 192 ST ANTHRACITE CO.AL 2" CONT. INSULATION THICKNESS
- EIFS-04 - WATER-DRAINAGE EIFS SYSTEM — FINISH: WEATHERLASTIC ADOBE, COLOR: SPICE TAN, 2" CONT. INSULATION THICKNESS
- GL-01 - INSULATED GLAZING UNIT
- MS-01 - MECHANICAL SCREEN — METAL SALES TS 3-8 WALL PANEL, VERTICAL SPAN 22 GA., GALVALUME, EXPOSED FASTENER, PREFINISHED
- CO01 - EXPOSED STRUCTURAL CONCRETE

DSA APPLICATION #: TBD
OPS APPLICATION #: 24-S-4125-CP-DR

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Date	Description
04/29/2025	100% PRELIMINARY DESIGN

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
SDSU_Evolve Student Housing - Project 1B - UT East

Project Number
55.0072.001

Description
BUILDING ELEVATIONS 02

Scale
As indicated

A2.002